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Date: December 29, 2021
Our Ref: ARC86277
Subject: 2021 Groundwater Sampling Report
Von Roll Isola USA, Inc. (Riverview) Site
Rotterdam, New York
Site No.: 447005

Dear Ms. Curley,

On behalf of the General Electric Company (GE), attached for your review is the 2021 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). Additionally, the laboratory analytical data will be submitted to NYSDEC electronically via EQUIS. Should you have any questions on this report, please contact me at (518) 250-7378, or Mr. Tom Gavagan from GE at (203) 913-2562.

Sincerely,
Arcadis of New York, Inc.



Doug Weeks
Project Manager

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CC. Thomas Gavagan, GE
Andrew Gibson, Arcadis
Harolyn Hood, NYSDOH
Lewis Streeter, GE
Hitesh Surti, Von Roll Isola USA, Inc.

Enclosure

General Electric Company

2021 Groundwater Sampling Report

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

December 2021

2021 Groundwater Sampling Report

Von Roll Isola USA Inc. (Riverview) Site

Rotterdam, New York

Site No.: 447005

December 2021

Prepared By:

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Prepared For:

General Electric Company

Schenectady, New York

Our Ref:

ARC86277

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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 (see Site Location Map 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 was 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, based on the recommendations made by GE in the 2019 annual groundwater report, additional groundwater monitoring was completed in 2020 and 2021. The 2020 and 2021 sampling events included a round of water level gauging at all 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). The results of the 2020 groundwater sampling were presented in a report entitled 2020 Groundwater Sampling Report, which was submitted to the NYSDEC on April 8, 2021. This 2021 Groundwater Sampling Report (Report) presents the results of the 2021 sampling event. This Report also includes a summary of historical groundwater monitoring data for the Site and GE's recommendations for future activities.

2 Groundwater Sampling and Analysis

The 2021 groundwater sampling event was conducted by Arcadis between August 31 and September 01, 2021. Nine groundwater samples were collected from seven monitoring wells (VRI-1, VRI-3, VRI-4, VRI-9, 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**. Sampling was performed in accordance with the RD/RA Work Plan and the Site Health and Safety Plan (HASP).

Prior to sampling, each 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 casing¹. The measured groundwater elevations and potentiometric surface contours are shown on **Figure 3**.

Wells 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 (PE) 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 all 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 Eurofins TestAmerica, Amherst, NY (Eurofins). Quality Assurance/Quality Control (QA/QC) samples included one Matrix Spike/Matrix Spike Duplicate (MS/MSD) pair collected from IW-6, 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. 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. All analyses were performed by Eurofins, which is a National Environmental Laboratory Accreditation Program (NELAP)-certified laboratory. A copy of the COC documentation is provided in the laboratory analytical data package provided in **Appendix B**.

3 Groundwater Analytical Results

The analytical results for the 2021 groundwater sampling event are summarized in **Table 1** and in **Figure 3**. A copy of the complete laboratory analytical report is provided in **Appendix B** and the data will be provided to NYSDEC electronically using the EQulS database. The groundwater data were validated by Arcadis and a Data Usability Summary Report (DUSR) was prepared (**Appendix C**). All of the data are considered valid and useable.

The 2021 groundwater VOC data are presented, along with historical VOC sampling results, in **Figure 4**. 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-14, VRI-3, and VRI-4 exhibited no detections for VOCs in 2021. There were no exceedances of any individual water quality standards at monitoring wells GT-14, VRI-3, VRI-4, and VRI-9. Trichloroethylene (TCE) was detected at a concentration exceeding the NYS standard of 5 µg/L at one well (GT-16, 18 µg/L); however, this concentration is generally within the range of concentrations detected at this well during historical monitoring events. In addition, the VOC compounds 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, isopropylbenzene, n-propylbenzene, and total xylenes were detected at levels exceeding the NYS Ambient Water Quality Standards in IW-3, IW-6 and VRI-1; and total xylene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene

¹ Monitoring well VRI-2 was buried beneath large piles of trees and vegetation which had been 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.

were detected at concentrations exceeding the NYS Ambient Water Quality Standards in GT-9R. No other VOC compounds were detected at levels exceeding the NYS Ambient Water Quality Standards (Table 1).

4 Recommendations

Historical analytical results (**Figure 4**) show that the groundwater impacts are primarily localized to a small area in the vicinity of VRI-1 and slightly to the east at GT-9R. The three monitoring wells located downgradient from VRI-1 and GT-9R at the perimeter of the Von Roll Site (i.e., GT-14, VRI-3, and VRI-4) have shown low or no detections of site-related COCs for the last several monitoring events dating back to 2016. Additionally, there are no potential downgradient groundwater receptors between the Site and the Mohawk River, located approximately one mile to the northeast².

Based on the results of the groundwater monitoring conducted at the Site in 2021, GE recommends that the groundwater monitoring program at the site be continued. GE recommends that future groundwater monitoring events continue to include water level gauging at all accessible Site wells and sampling the subset of nine wells that were sampled in 2020 and 2021 (injection wells IW-3 and IW-6, and monitoring wells VRI-1, VRI-3, VRI-4, VRI-9, GT-9R, GT-14, GT-16). The nine wells proposed for continued sampling provide sufficient spatial coverage and allow for monitoring of groundwater conditions at the downgradient (eastern) perimeter of the Von Roll Site. Sampling of wells IW-6, IW-3, and VRI-1 provide sufficient data for monitoring groundwater conditions in and around VRI-1.

The data from the monitoring events will continue to be reported to NYSDEC and submitted electronically via EQUIS. Should the groundwater monitoring trends show a significant decline in groundwater quality or Site-related impacts migrating downgradient off the Von Roll property, the need for additional active remediation measures would be re-evaluated and a recommendation would be provided to NYSDEC. Should the data from the future monitoring events show a significant improvement in groundwater quality, the continued need for, and/or scope of, the groundwater monitoring program will be re-evaluated.

5 References

- Arcadis. 2017. Draft Site Management Plan. Prepared for GE-Corporate Environmental Programs, Von Roll Site, Schenectady, NY. September.
- Arcadis. 2020. 2020 Groundwater Sampling Report. Prepared for General Electric Company, Von Roll Site, Schenectady, NY. April.
- Arcadis. 2020. Site-Specific Health and Safety Plan. Prepared for General Electric Company, Von Roll Site, Schenectady, NY. July.
- Conestoga-Rovers & Associates. 2014. Remedial Design/Remedial Action Work Plan. Prepared for GE-Corporate Environmental Programs, Von Roll Site, Schenectady, NY. February.

² Groundwater beneath the Site is not in direct hydraulic connection with the Schenectady and Rotterdam well field aquifer (O'Brien & Gere Engineers, Inc.1998)

New York State Department of Environmental Conservation. 1998. Technical & Operational Guidance Series (TOGS) 1.1.1 - Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Division of Water Technical and Operational Guidance Series. June (and subsequent amendments). Available at: <http://www.dec.ny.gov/regulations/2652.html>.

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

Location ID: Date Collected:	CAS Number	NYSDEC TOGS 1 1 1 (GW Standard)	Units	GT-9R 8/31/2021	GT-14 9/1/2021	GT-16 9/1/2021	IW-3 9/1/2021	IW-6 9/1/2021	VRI-1 9/1/2021	VRI-3 9/1/2021	VRI-4 9/1/2021	VRI-9 9/1/2021
Volatile Organics												
1,1,1-Trichloroethane	71-55-6	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 UJ [20 U]	2.0 U	1.0 U	2.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 UJ [20 U]	2.0 U	1.0 U	2.0 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
1,1-Dichloroethane	75-34-3	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
1,1-Dichloroethene	75-35-4	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
1,2,4-Trimethylbenzene	95-63-6	5	ug/l	15	2.0 U	2.0 U	23	4500	190 [220]	2.0 U	1.0 U	2.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
1,2-Dibromoethane	106-93-4	0.0006	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
1,2-Dichloroethane	107-06-2	0.6	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
1,2-Dichloropropane	78-87-5	1	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
1,3,5-Trimethylbenzene	108-67-8	5	ug/l	17	2.0 U	2.0 U	360 D	2200	510 [580]	2.0 U	1.0 U	2.0 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
2-Butanone (MEK)	78-93-3	50	ug/l	10 U	20 U	20 U	20 U	2000 U	80 U [200 U]	20 U	10 U	20 U
4-Methyl-2-Pentanone	108-10-1	- -	ug/l	5.0 U	10 U	10 U	10 U	1000 U	40 U [100 U]	10 U	5.0 U	10 U
Acetone	67-64-1	50	ug/l	10 U	20 U	20 U	11 J	2000 U	80 UJ [200 U]	20 U	10 U	20 U
Benzene	71-43-2	1	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
Bromodichloromethane	75-27-4	50	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
Bromoform	75-25-2	50	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
Bromomethane	74-83-9	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 UJ [20 U]	2.0 U	1.0 U	2.0 U
Carbon Disulfide	75-15-0	60	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 UJ [20 U]	2.0 U	1.0 U	2.0 U
Carbon Tetrachloride	56-23-5	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 UJ [20 U]	2.0 U	1.0 U	2.0 U
CFC-11	75-69-4	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
CFC-12	75-71-8	5	ug/l	1.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	200 UJ	8.0 UJ [20 UJ]	2.0 UJ	1.0 UJ	2.0 UJ
Chlorobenzene	108-90-7	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
Chlorodibromomethane	124-48-1	50	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
Chloroethane	75-00-3	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
Chloroform	67-66-3	7	ug/l	1.0 U	2.0 U	1.0 J	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
Chloromethane	74-87-3	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
cis-1,2-Dichloroethene	156-59-2	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
Cyclohexane	110-82-7	- -	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 UJ [20 U]	2.0 U	1.0 U	2.0 U
Dichloromethane	75-09-2	5	ug/l	1.0 U	2.0 U	3.0 UB	5.3 UB	260 UB	8.0 U [30 UB]	2.0 U	1.0 U	3.3 UB
Ethylbenzene	100-41-4	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
Isopropylbenzene	98-82-8	5	ug/l	2.5	2.0 U	2.0 U	48	280	19 [20]	2.0 U	1.0 U	2.0 U
Methyl Acetate	79-20-9	- -	ug/l	2.5 U	5.0 U	5.0 U	5.0 U	500 U	20 U [50 U]	5.0 U	2.5 U	5.0 U
Methyl N-Butyl Ketone (2-Hexanone)	591-78-6	50	ug/l	5.0 U	10 U	10 U	10 U	1000 U	40 U [100 U]	10 U	5.0 U	10 U
Methylcyclohexane	108-87-2	- -	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 UJ [20 U]	2.0 U	1.0 U	2.0 U
Methyl-tert-butylether	1634-04-4	10	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
n-Propylbenzene	103-65-1	5	ug/l	2.0	2.0 U	2.0 U	60	290	18 [20]	2.0 U	1.0 U	2.0 U
Styrene (Monomer)	100-42-5	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
Tetrachloroethene	127-18-4	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
Toluene	108-88-3	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
Total Xylenes	1330-20-7	5	ug/l	15	4.0 U	4.0 U	14	3200	40 [48]	4.0 U	2.0 U	4.0 U
trans-1,2-Dichloroethene	156-60-5	5	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
Trichloroethene	79-01-6	5	ug/l	1.0 U	2.0 U	18	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U
Vinyl chloride	75-01-4	2	ug/l	1.0 U	2.0 U	2.0 U	2.0 U	200 U	8.0 U [20 U]	2.0 U	1.0 U	2.0 U

- Notes:**
1. Samples were collected by Arcadis of New York, Inc. and submitted to TestAmerica Laboratories, Inc. 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.

UB - Compound is considered non-detect at the listed value due to associated blank contamination.

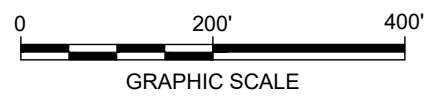
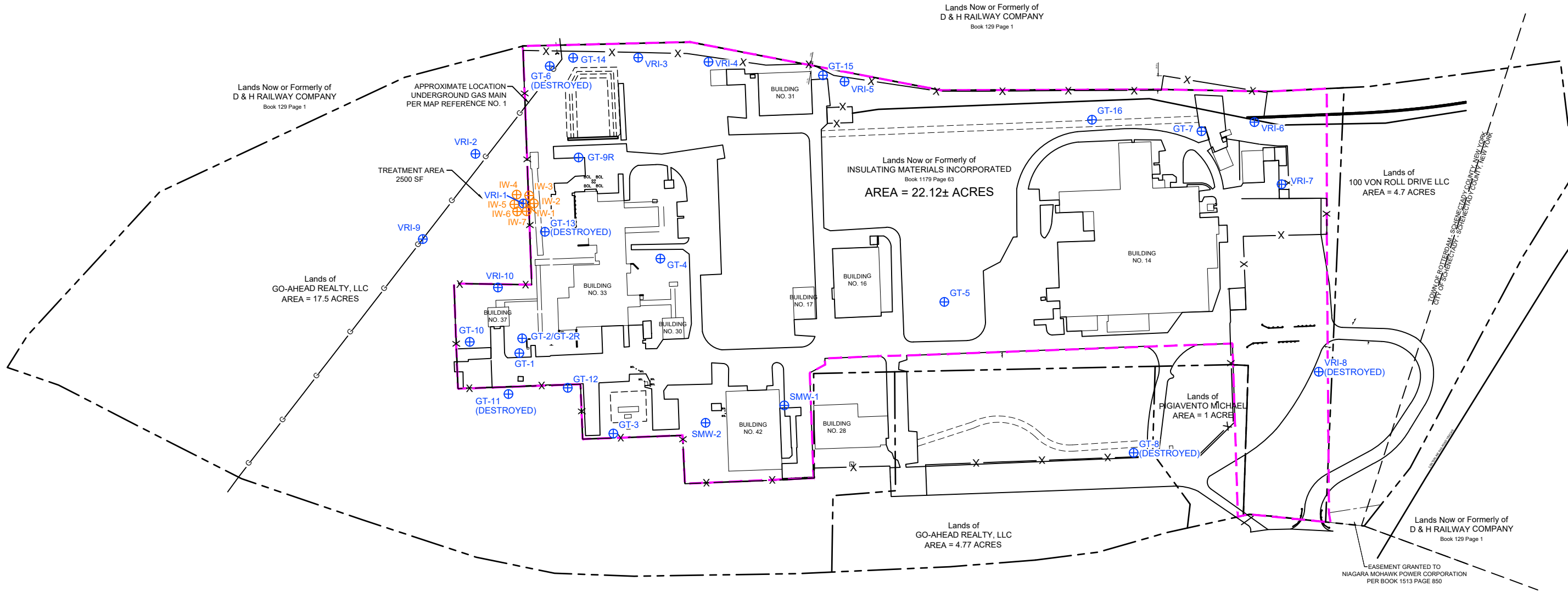
D - Concentration is based on a diluted sample analysis.

Figures



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

SITE LOCATION MAP



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

NOTE:

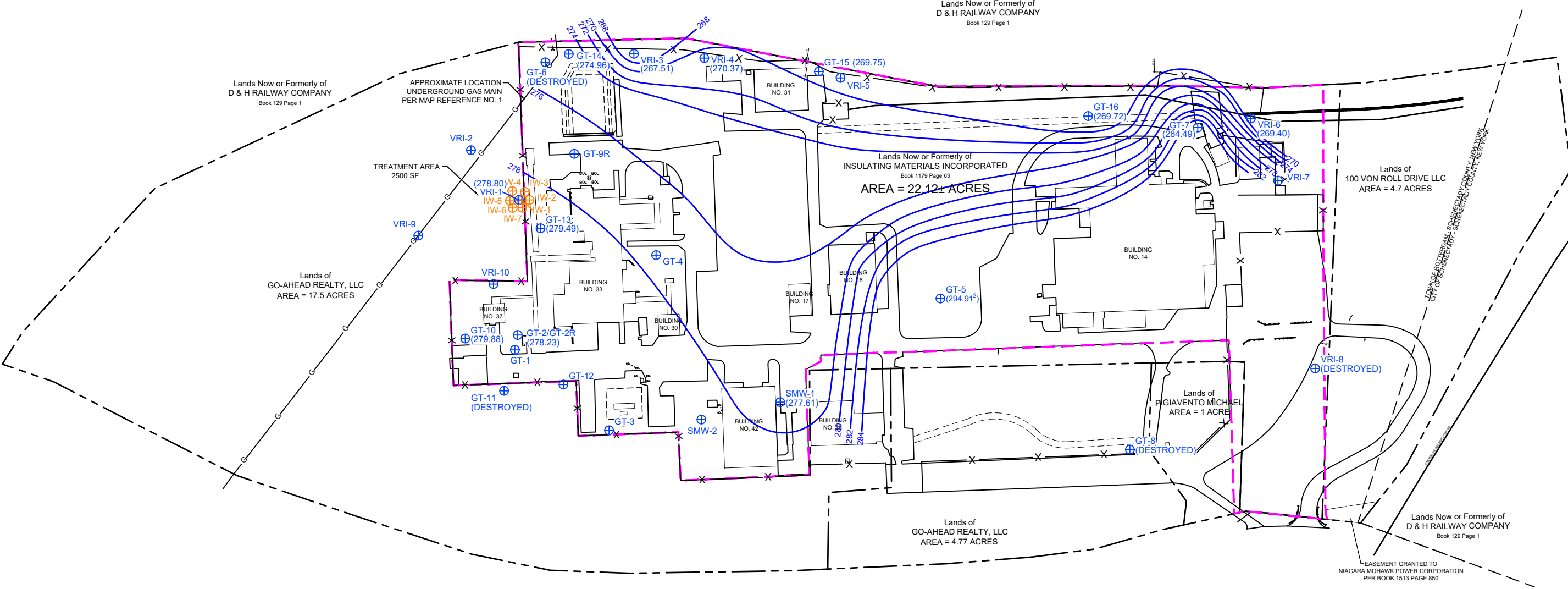
1. ALL PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE.

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

SITE PLAN

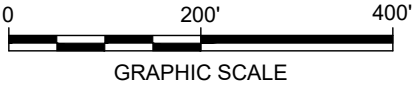
Design & Consultancy
for natural and built assets

FIGURE
2



- NOTES:**
1. ALL PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE.
 2. THE GROUNDWATER ELEVATION MEASURED AT GT-5 ON AUGUST 31, 2021 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.

LEGEND:	
	APPROXIMATE VON ROLL ISOLA USA, INC. PROPERTY BOUNDARY
	PROPERTY BOUNDARY LINE
	CHAIN LINK FENCE
	BUILDING
	GAS
	GROUNDWATER MONITORING WELL
	ISCO INJECTION WELL
	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT, AMSL)
	POTENTIOMETRIC SURFACE CONTOUR (FT, AMSL)

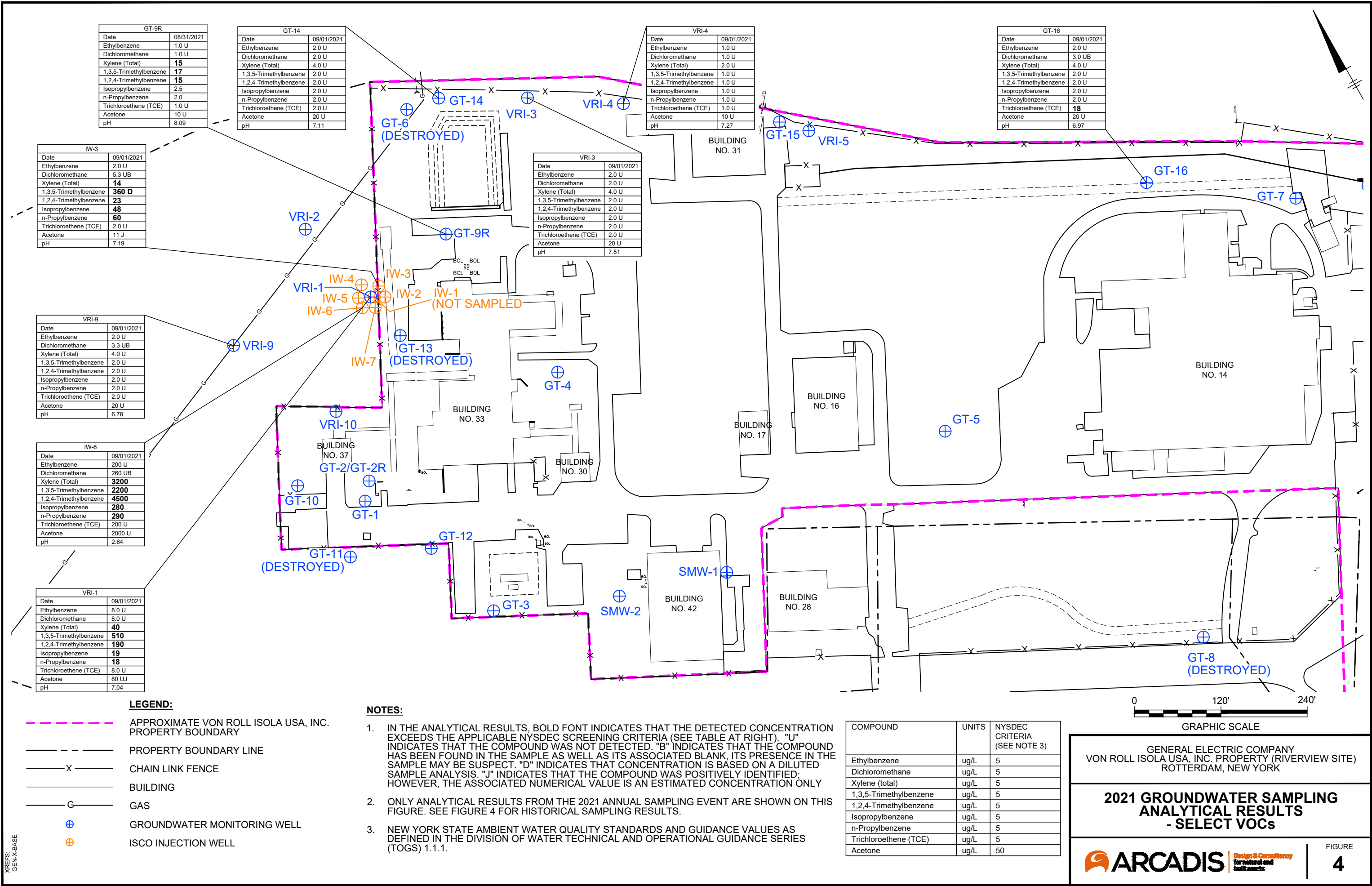


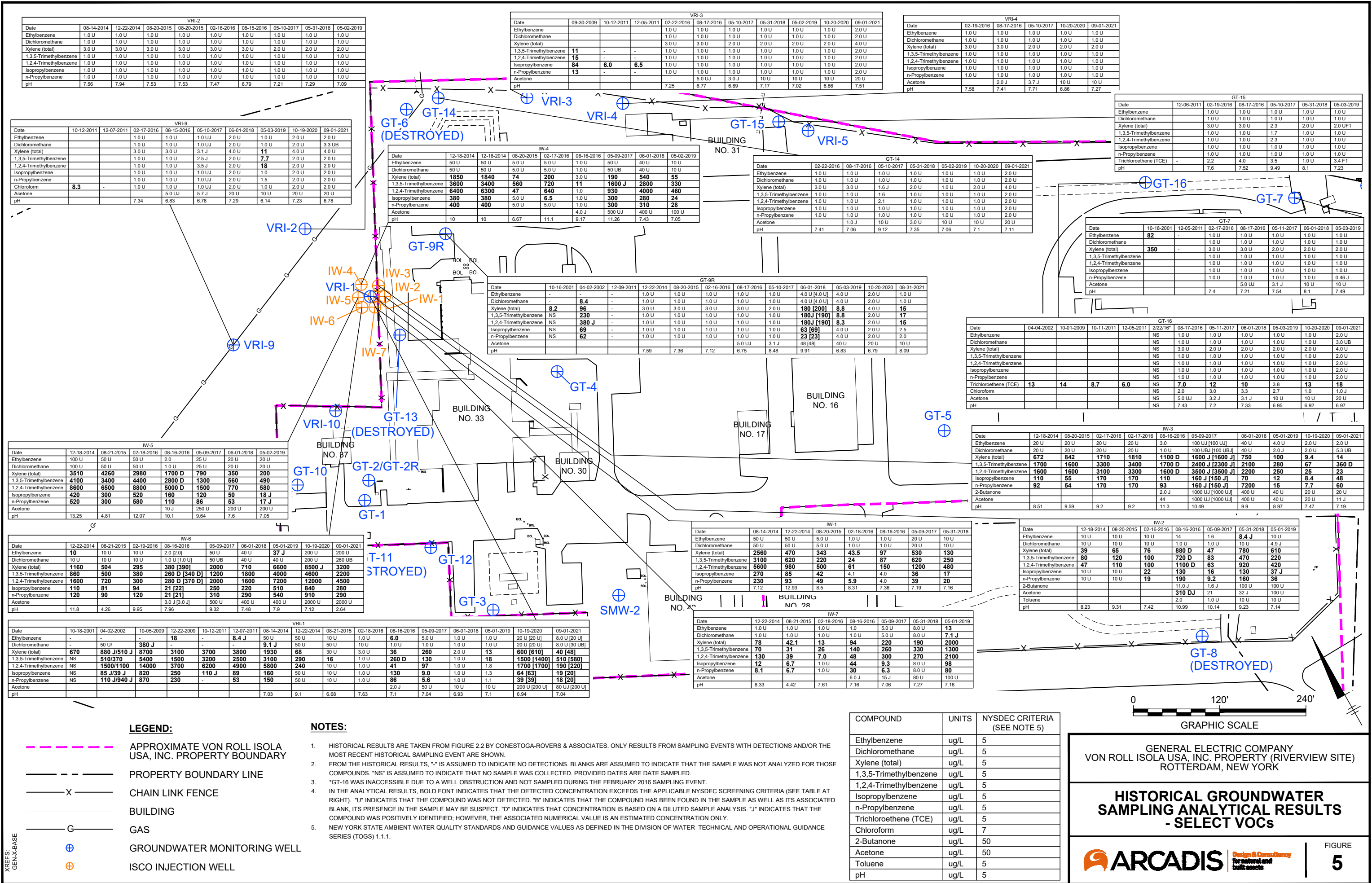
GENERAL ELECTRIC COMPANY
VON ROLL ISOLA USA, INC. PROPERTY (RIVERVIEW SITE)
ROTTERDAM, NEW YORK

**OVERBURDEN POTENTIOMETRIC
SURFACE ELEVATION CONTOURS
AUGUST 31, 2021**

ARCADIS Design & Consultancy
for natural and
built assets

FIGURE
3





Appendix A

Groundwater Sampling Event Field Data Sheets

GROUNDWATER SAMPLING LOG



Project No. 30006483 Well ID GT-14 Page of

Date 09/01/2021

Project Name/Location GE Riverview, Schenectady, NY

Weather 60's Rain

Measuring Pt. Description TOC Screen Setting (ft-bmp) Casing Diameter (in.) 2"

Well Material ☒ PVC ☐ SS ☐ Other

Total Depth (ft-bmp) 72.75 Static Water Level (ft-bmp) 65.07 Water Column in Well 7.68 Gallons in Well 123

Gallons Purged Pump Intake (ft-bmp) ~1' Purge Method: Centrifugal Submersible Bladder pump Sample Method Grab

Disp. Bailer Pump On/Off

Other Sampled by KL & BH

Sample Time 1555 Replicate/Code No. NA

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	Odor
1505	0	0	65.15		7.10	0.999	88	3.16	14.93	-4		
1510	5	250	65.29		7.21	0.658	122	5.34	14.29	70		
1515	10	250			7.14	0.644	49.6	5.06	12.66	85		
1520	15	250	65.3		7.11	0.655	88.6	5.16	12.34	90		
1525	20	250	65.3		7.10	0.654	13.8	5.31	12.12	95		
1530	25	250	65.3		7.10	0.653	11.4	5.33	12.09	96		
1535	30	250	65.3		7.11	0.651	7.9	5.49	12.07	99		
1540	35	250	65.3		7.11	0.651	5.8	5.57	12.02	103		
1545	40	250	65.3		7.11	0.651	5.3	5.56	12.02	104		
1550	45	250	65.3		7.11	0.652	4.2	5.58	11.99	107		

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL glass vial	3	HCl

Well Information

Well Location: 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	

GROUNDWATER SAMPLING LOG

ARCADIS

Page ____ of ____

Project No. 30006483

Well ID VRI-1

Date 10/01/2020

Project Name/Location GE Riverview, Schenectady, NY

Weather

Measuring Pt.
Description TOCScreen
Setting (ft-bmp)Casing
Diameter (in.) 2"Well Material ☒ PVC
☐ SS
☐ Other

Total Depth (ft-bmp)

Static Water
Level (ft-bmp) 64.8

Water Column in Well

Gallons in Well

Gallons Purged

Pump Intake (ft-bmp)

Purge Method:

Centrifugal
Submersible Bladder pumpSample
Method Grab

Sample Time 0940

Replicate/

Code No. Yes (Time on bottle = 1200)
Duplicate - 20210901

Pump On/Off

Sampled by KL & BH

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	Odor
0835	0	200	64.8	0	6.42	10.6	78.7	4.94	15.58	-81	Dark Grey	
0840	5	200	64.8		6.52	1.05	76.6	2.52	15.31	-96		
0845	10	200	64.9		6.67	1.02	71.2	0.83	14.62	-113		
0850	15	200	65.0		6.75	0.991	62.5	1.37	13.89	-110		
0855	20	200	65.0		6.80	0.968	53	2.09	13.53	-100		
0900	25	200	65.0		6.84	0.942	47.3	2.61	13.49	-88		
0905	30	200	65.0		6.88	0.912	41.5	3.07	13.39	-75	Clear	
0910	35	200	65.0		6.92	0.887	35.3	3.39	13.24	-65		
0915	40	250	65.0		6.95	0.871	33.6	3.64	13.13	-56		
0920	45	250	65.0		7.00	0.854	31.6	3.88	13.09	-52		
0925	50	250	65.1		7.03	0.838	27.4	4.05	13.09	-47		
0930	55	250	65.1		7.04	0.826	23.5	4.06	13.03	-44		
0935	60	250	65.1		7.04	0.813	20.9	4.16	13.02	-40		

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL glass vial	3	HCl

Well Information

Well Location: Outside vonbell fence	Well Locked at Arrival: Yes / No
Condition of Well: OK	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	

GROUNDWATER SAMPLING LOG



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Project No. 30006483

Well ID IW-3

Date 09/01/2021

Project Name/Location GE Riverview, Schenectady, NY

Weather 60's

Measuring Pt. Description TOC

Screen Setting (ft-bmp)

Casing Diameter (in.) 2"

Well Material ☒ PVC
☐ SS
☐ Other

Total Depth (ft-bmp) 71.15

Static Water Level (ft-bmp) 64.2

Water Column in Well 6.95

Gallons in Well 1.112

Gallons Purged

Pump Intake (ft-bmp) ~1'

Purge Method:

Centrifugal
Submersible Bladder pump

Sample Method Grab

Sample Time 10:00 11:15

Replicate/ Code No. N/A

Disp. Bailer
Other

Pump On/Off 10:06

Sampled by KL & BH

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	Odor
1030	0	250	64.39		7.17	0.879	237	7.68	15.70	60	Brown	
1035	5	250	64.43		7.14	0.865	180	7.57	14.78	58		
1040	10	250	64.45		7.11	0.856	93.4	7.26	13.58	54	Slight Brown	
1045	15	250	64.50		7.11	0.850	34.1	6.80	13.04	48	Clear	
1050	20	250	64.5		7.12	0.837	15.2	6.37	12.79	34	Clear	
1055	25	250	64.5		7.16	0.817	4.0	5.34	12.61	-2	Clear	
1100	30	250	64.5		7.17	0.815	3.8	5.29	12.63	-3	Clear	
1105	35	250	64.5		7.17	0.814	3.2	5.18	12.59	-6	Clear	
1110	40	250	64.5		7.19	0.815	2.5	5.20	12.54	-12	Clear	

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL glass vial	3	HCl

Well Information

Well Location: 2100 Voorhies Property - Just inside gate	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	

Field Forms.xls
GW Samp Form



ARCADIS

Groundwater Sampling Form

Page 1 of 2Project No. 30006483.3000Well ID GT-9RDate 8-31-2021Project Name/Location GE Riverview - 200 Von Roll Dr., Schenectady, NY 12306Weather 70'sMeasuring Pt.
DescriptionScreen
Setting (ft-bmp)Casing
Diameter (in.) 2"Well Material ☒ PVC
☐ SS
☐ OtherTotal Depth (ft-bmp) 66.5Static Water
Level (ft-bmp) 63.07Water Column in Well 3.43Gallons in Well 0.54Calc. Gallons
PurgedPump Intake (ft-bmp) ~1.00

Purge Method:

Centrifugal
Submersible ☒
Disp. Bailer
OtherSample
Method Bladder Pump

Gallons Purged

MP Elevation

Pump On/Off

Sample Time: Label

Replicate/

Code No. N/ASampled by KL

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	Odor
1355			63.1		6.17	1.00	0.0	5.31	25.95	235	Tan	swirl sand
1400	5		63.2		6.59	0.940	0.0	4.94	24.16	222	Tan	
1405	5		63.3		6.72	0.871	377	4.47	19.84	214	Tan	
1410	5		63.4		6.83	0.908	827	4.5	17.71	216		
1415	5		63.5		6.90	0.955	375	4.36	16.74	218	Tan	
1420	5		63.4		6.99	0.986	232	4.15	16.35	217	Clear	
1425	5		63.4		7.10	1.01	209	3.95	16.16	215		
1430	5		63.4		7.20	1.03	193	3.66	16.01	213		
1435	5		63.4		7.27	1.03	187	3.51	15.91	211		
1440	5		63.4		7.35	1.04	176	3.41	15.94	208		
1445	5		63.4		7.44	1.04	157	4.93	15.86	205		
1450	5				7.68	1.05	155	3.03	15.86	200		
1455	5				7.68	1.05	144	2.95	15.87	199		

Constituents Sampled

VOC - 8260C

Container

40 mL VOC

Number

3

Preservative

HCL

Well Information

Well Location:

Well Locked at Arrival: Yes / ☒ No

Condition of Well:

Well Locked at Departure: Yes / ☒ No

Well Completion:

Flush Mount / Slot Dr

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 2 of 2

Project No. 30006483.3000 Well ID GT-9R Date 8-31-2009

Project Name/Location GE Riverview - 200 Von Roll Dr., Schenectady, NY 12306 Weather 70's

Measuring Pt. Description _____ Screen Setting (ft-bmp) _____ Casing Diameter (in.) 2" Well Material PVC

Total Depth (ft-bmp) 66.5 Static Water Level (ft-bmp) 63.07 Water Column in Well 3.43 Gallons in Well 0.54

Calc. Gallons Pumped 5 Pump Intake (ft-bmp) ~1.00 Purge Method: Centrifugal Submersible ✓ Sample Method Bladder Pump

Gallons Purged _____ MP Elevation _____ Disp. Bailor _____ Pump On/Off _____

Sample Time: Label 1610 Replicate/Code No. N/A Other _____

Sampled by KL

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	Odor
1505	10		63.4		8.01	1.05	158	3.12	17.26	118		
1510	5		63.4		8.23	1.05	156	2.59	17.26	118		
1513			63.4		8.07	1.06	126	3.12	17.28	103		
1520			63.4		7.96	1.04	109	3.01	16.98	101		
1525			63.4		7.98	1.04	90.9	3.08	16.02	113		
1530			63.4		7.74	1.05	94.1	3.07	15.73	128		
1535			63.4		7.75	1.05	92.5	3.00	15.72	131		
1540			63.4		7.95	1.05	90.2	2.75	15.67	137		
1545			63.4		7.95	1.05	88.2	2.72	15.68	138		
1550			63.4		8.01	1.05	80.5	2.71	15.63	143		
1555			63.4		8.07	1.05	76.5	2.63	15.66	144		
1600			63.4		8.09	1.05	76.3	2.57	15.66	145		
1605			63.4		8.09	1.05	76.3	2.53	15.66	145		

Constituents Sampled	Container	Number	Preservative
<u>vol's</u>	<u>40 mL VOA</u>	<u>3</u>	<u>HCL</u>

Well Information

Well Location: _____ Well Locked at Arrival: Yes / No

Condition of Well: OK 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	

Well ID GT-16

Date 10/1/2021

Weather 60's Rain

Casing Diameter (in.) 3"

Well Material	<u> X </u>	PVC
	<u> </u>	SS
	<u> </u>	Other

Water Column in Well ~~7.83~~ 7.83

Gallons in Well 1.25

Pump Intake (ft-bmp) 21

Purge Method:

Centrifugal	_____
Submersible	Bladder pump
Disp. Bailer	_____
Other	_____

Sample Method	Grab

Replicate/
Code No. NA

Pump On/Off 1314

Sampled by KL & BH

[illegible]

Well Location:		Well Locked at Arrival:	Yes	/	No
Condition of Well:		Well Locked at Departure:	Yes	/	No
Well Completion:	Flush Mount / Stick Up	Key Number To Well:			

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 1Project No. 30006483.3000Well ID IW-6Date 9/1/21Project Name/Location GE Riverview - 200 Von Roll Dr., Schenectady, NY 12306Weather 70° CloudyMeasuring Pt.
DescriptionTop of PVCScreen
Setting (ft-bmp)—

Casing

Diameter (in.) 2"

Well Material

☒ PVC☐ SS☐ Other

Total Depth (ft-bmp)

70.49Static Water
Level (ft-bmp)63.84

Water Column in Well

6.65

Gallons in Well

1.08 galCalc. Gallons
Purged—Pump Intake (ft-
bmp)~69.5

Purge Method:

Centrifugal

Submersible

Disp. Bailer

Other

hopperhopperhopperhopperSample
Methodhopper

Pump On/Off

1025/1120

Sampled by

K. Stilson

Sample Time: Label

1110

Replicate/

Code No.

MS/MSD

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. (°F)	Redox (mV)	Appearance	
											Color	Odor
1030	5	250	64.04	0.33	7.69	0.977	89.0	1.71	15.8	clear	81.6	slight
1035	10	250	64.23	0.66	7.67	0.977	46.2	0.37	10.80	clear	81.6	slight
1040	15	250	64.36	0.99	7.68	0.969	31.9	0.17	10.60	26	81.6	slight
1045	20	250	64.43	1.32	7.68	0.938	18.5	0.00	10.37	-9	81.6	slight
1050	25	250	64.43	1.65	7.69	0.900	16.4	0.00	10.32	-23	"	"
1055	30	250	64.49	1.98	7.69	0.849	13.8	0.00	10.24	-23	"	"
1100	35	250	64.46	2.31	7.68	0.823	13.7	0.01	10.24	-25	"	"
1105	40	250	64.52	2.64	7.68	0.810	13.1	0.00	10.32	-27	"	"

Constituents Sampled

Container

Number

Preservative

VOCVOA3x3 = 9 (MS/MSD)HCl2 VOA Broke2MS2MSD

Well Information

Well Location:

cluster by fence entrance

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

Page 1 of 1Project No. 30006483.3000Well ID VRI-9Date 9/1/2021Project Name/Location GE Riverview - 200 Von Roll Dr., Schenectady, NY 12306Weather 65 (cloudy)Measuring Pt. Top of
Description PVCScreen
Setting (ft-bmp) —Casing
Diameter (in.) 2"Well Material ☒ PVC
☐ SS
☐ OtherTotal Depth (ft-bmp) 70.82'Static Water
Level (ft-bmp) 65.10'Water Column in Well 5.72'Gallons in Well 0.93 galCalc. Gallons
Purged —Pump Intake (ft-bmp) ~69.5'

Purge Method:

Centrifugal
Submersible bladder
Disp. Bailer
OtherSample
Method Bladder PumpGallons Purged 1.32 galMP Elevation —Pump On/Off 0855/0918Sample Time: Label
9/1/21 - 1645Replicate/
Code No. NASampled by K. Stilson

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	Odor
9/1 0900	5	250	66.72	0.33	6.77	0.624	21000	10.87	13.72	172	brown	none
0905	10	250	67.64	0.66	7.28	0.539	21000	8.37	10.43	157	brown	None
0910	15	250	68.10	0.99	7.35	0.536	21000	7.77	11.38	155	light brown	None
0915	20	250	68.33	1.32	7.37	0.534	21000	7.58	12.05	158	"	"
9/1 0918	23	250	DRY	1.32	—	—	—	—	—	—	—	—
1645			Sample grabbed @ 1645.									
1645			67.8		6.78	0.523	119	15.69	15.23	145	Clear	

Constituents Sampled

Container

Number

Preservative

<u>VOC</u>	<u>VOA</u>	<u>3</u>	<u>HCl</u>

Well Information

Well Location: <u>In fenced area along gas line clearly</u>	Well Locked at Arrival: ☒ Yes / ☐ No
Condition of Well: <u>GOOD</u>	Well Locked at Departure: ☒ Yes / ☐ No
Well Completion: <u>Flush Mount</u> / <u>Stick Up</u>	Key Number To Well: <u>—</u>

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. 30006483.3000 Well ID VRI-3 Date 9/1/2024

Project Name/Location GE Riverview - 200 Von Roll Dr., Schenectady, NY 12306 Weather 75° Rain

Measuring Pt. Description Top of PVC Screen Setting (ft-bmp) - Casing Diameter (in.) 2" Well Material PVC

Total Depth (ft-bmp) 78.10' Static Water Level (ft-bmp) 75.8' Water Column in Well 2.3' Gallons in Well 0.37 gal

Calc. Gallons Pumped 4.29' Pump Intake (ft-bmp) 76.0' Purge Method: Centrifugal Submersible bladder

Gallons Purged 4.29' MP Elevation - Sample Method bladder

Sample Time: Label 1640 Replicate/Code No. NA Pump On/Off 1530 Sampled by K. Stibon

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	Odor
1535	5	250	71.63	0.33	7.54	0.493	287	3.22	14.32	132	slight brown	none
1540	10	250	71.90	0.66	7.51	0.493	244	2.72	13.78	134	"	"
1545	15	250	71.91	0.99	7.52	0.507	213	2.47	12.88	135	"	"
1550	20	250	71.90	1.32	7.53	0.513	206	2.23	12.49	136	"	"
1555	25	250	71.89	1.65	7.52	0.518	200	1.83	12.44	137	"	"
1600	30	250	71.93	1.98	7.51	0.519	183	1.70	12.31	137	clear	"
1605	35	250	72.12	2.31	7.51	0.522	127	1.34	12.32	136	"	"
1610	40	250	72.07	2.64	7.51	0.523	87.2	1.12	12.28	136	"	"
1615	45	250	71.94	2.97	7.51	0.523	64.32	1.00	12.19	133	"	"
1620	50	250	72.00	3.30	7.50	0.523	47.2	0.98	12.15	131	"	"
1625	55	250	71.99	3.63	7.51	0.523	37.2	0.98	12.10	127	"	"
1630	60	250	71.95	3.96	7.51	0.523	34.1	0.99	12.10	125	"	"
1635	65	250	72.00	4.29	7.51	0.523	31.5	0.98	12.09	125	"	"

Constituents Sampled	Container	Number	Preservative
VOC	VOA	3	Hg

Well Information

Well Location: behind maintenance shed Well Locked at Arrival: Yes / No

Condition of Well: fair 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

Page 1 of 1Project No. 30006483.3000Well ID VRI-4Date 9/1/21Project Name/Location GE Riverview - 200 Von Roll Dr., Schenectady, NY 12306Weather 70° RainMeasuring Pt. Description Top of PVCScreen Setting (ft-bmp) —Casing Diameter (in.) 2"Well Material ☒ PVC☐ SS☐ OtherTotal Depth (ft-bmp) 78.08'Static Water Level (ft-bmp) 72.56'Water Column in Well 5.52'Gallons in Well 0.89 galCalc. Gallons Purged —Pump Intake (ft-bmp) ~76'Purge Method: ☒ CentrifugalSample Method bladderGallons Purged 2.97 galMP Elevation —Submersible bladderPump On/Off 1355/1455Sample Time: Label 1445Replicate/Code No. —Disp. Bailer —Other —Sampled by K. Stinson

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (umhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1400	5	250	72.91	0.33	7.34	2.57	71000	1.47	14.28	141	brown	none
1405	10	250	73.07	0.66	7.32	2.61	71000	1.01	13.92	142	brown	none
1410	15	250	73.09	0.99	7.31	2.73	71000	0.73	13.69	142	"	"
1415	20	250	73.07	1.32	7.29	2.77	71000	0.53	13.55	143	"	"
1420	25	250	73.09	1.65	7.28	2.81	71000	0.45	13.50	143	"	"
1425	30	250	73.11	1.98	7.30	2.94	71000	0.64	13.06	144	"	"
1430	35	250	73.09	2.31	7.29	3.00	71000	0.50	12.90	144	"	"
1435	40	250	73.12	2.64	7.27	3.01	71000	0.48	12.88	145	"	"
1440	45	250	73.10	2.97	7.27	3.03	71000	0.47	12.87	145	"	"

Constituents Sampled	Container	Number	Preservative
<u>10A VOC</u>	<u>VOA 40 mL</u>	<u>3</u>	<u>HCl</u>

Well Information

Well Location: <u>Behind maintenance shed</u>	Well Locked at Arrival: ☒ Yes / ☐ No
Condition of Well: <u>Good</u>	Well Locked at Departure: ☒ Yes / ☐ No
Well Completion: <u>Flush Mount</u> / ☒ <u>Stick Up</u>	Key Number To Well: <u> </u>

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

Appendix B

2021 Groundwater Analytical Data Package

ANALYTICAL REPORT

Job Number: 480-189085-1

Job Description: GE Riverview

Contract Number: TAAT092507-R010110

For:

ARCADIS U.S., Inc.

855 Route 146

Suite 210

Clifton Park, NY 12065

Attention: Mr. Doug Weeks

Designee for

John R Schove, Project Manager II

10 Hazelwood Drive, Amherst, NY, 14228-2298

(716)504-9838

John.Schove@Eurofinset.com

09/14/2021

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report.

TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

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 TestAmerica Project Manager.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Eurofins TestAmerica, Buffalo

10 Hazelwood Drive, Amherst, NY 14228-2298

Tel (716) 691-2600 Fax (716) 691-7991 www.testamericainc.com



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Job Narrative
480-189085-1

Comments

No additional comments.

Receipt

The samples were received on 9/3/2021 8:00 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 was 2.9° C.

GC/MS VOA

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: GT-16-20210901 (480-189085-6), GT-14-20210901 (480-189085-7), VRI-3-20210901 (480-189085-9) and VRI-9-20210901 (480-189085-10). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: IW-3-20210901 (480-189085-2), IW-6-20210901 (480-189085-4), IW-6-20210901 (480-189085-4[MS]), IW-6-20210901 (480-189085-4[MSD]) and Duplicate-20210901 (480-189085-11). Elevated reporting limits (RLs) are provided.

Method 8260C: The surrogate recovery for 1,2-Dichloroethane-d4 (Surr) was outside the 20%D limits on the continuing calibration verification (CCV) but was within laboratory limits. The following samples are impacted: GT-9R-20210831 (480-189085-1), IW-3-20210901 (480-189085-2), IW-6-20210901 (480-189085-4), IW-6-20210901 (480-189085-4[MS]), IW-6-20210901 (480-189085-4[MSD]), FB-20210901 (480-189085-5), GT-16-20210901 (480-189085-6), GT-14-20210901 (480-189085-7), VRI-4-20210901 (480-189085-8), VRI-3-20210901 (480-189085-9), VRI-9-20210901 (480-189085-10), Duplicate-20210901 (480-189085-11) and Trip Blank (480-189085-12).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: IW-3-20210901 (480-189085-2) and VRI-1-20210901 (480-189085-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-595662 recovered outside acceptance criteria, low biased, for 1,1,1-Trichloroethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, Carbon disulfide, Carbon tetrachloride, Cyclohexane and Methylcyclohexane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

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 Riverview

Job ID: 480-189085-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-189085-1	GT-9R-20210831	Water	08/31/21 16:10	09/03/21 08:00
480-189085-2	IW-3-20210901	Water	09/01/21 11:15	09/03/21 08:00
480-189085-3	VRI-1-20210901	Water	09/01/21 09:40	09/03/21 08:00
480-189085-4	IW-6-20210901	Water	09/01/21 11:10	09/03/21 08:00
480-189085-5	FB-20210901	Water	09/01/21 14:15	09/03/21 08:00
480-189085-6	GT-16-20210901	Water	09/01/21 14:25	09/03/21 08:00
480-189085-7	GT-14-20210901	Water	09/01/21 15:55	09/03/21 08:00
480-189085-8	VRI-4-20210901	Water	09/01/21 14:45	09/03/21 08:00
480-189085-9	VRI-3-20210901	Water	09/01/21 16:40	09/03/21 08:00
480-189085-10	VRI-9-20210901	Water	09/01/21 16:45	09/03/21 08:00
480-189085-11	Duplicate-20210901	Water	09/01/21 12:00	09/03/21 08:00
480-189085-12	Trip Blank	Water	09/01/21 00:00	09/03/21 08:00

Detection Summary

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

Job ID: 480-189085-1

Client Sample ID: GT-9R-20210831

Lab Sample ID: 480-189085-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	15		1.0	0.75	ug/L	1		8260C	Total/NA
1,3,5-Trimethylbenzene	17		1.0	0.77	ug/L	1		8260C	Total/NA
Isopropylbenzene	2.5		1.0	0.79	ug/L	1		8260C	Total/NA
N-Propylbenzene	2.0		1.0	0.69	ug/L	1		8260C	Total/NA
Xylenes, Total	15		2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: IW-3-20210901

Lab Sample ID: 480-189085-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	23		2.0	1.5	ug/L	2		8260C	Total/NA
1,3,5-Trimethylbenzene	330	E	2.0	1.5	ug/L	2		8260C	Total/NA
Acetone	11	J	20	6.0	ug/L	2		8260C	Total/NA
Isopropylbenzene	48		2.0	1.6	ug/L	2		8260C	Total/NA
Methylene Chloride	5.3		2.0	0.88	ug/L	2		8260C	Total/NA
N-Propylbenzene	60		2.0	1.4	ug/L	2		8260C	Total/NA
Xylenes, Total	14		4.0	1.3	ug/L	2		8260C	Total/NA
1,2,4-Trimethylbenzene - DL	25		5.0	3.8	ug/L	5		8260C	Total/NA
1,3,5-Trimethylbenzene - DL	360		5.0	3.9	ug/L	5		8260C	Total/NA
Isopropylbenzene - DL	56		5.0	4.0	ug/L	5		8260C	Total/NA
N-Propylbenzene - DL	69		5.0	3.5	ug/L	5		8260C	Total/NA
Xylenes, Total - DL	14		10	3.3	ug/L	5		8260C	Total/NA

Client Sample ID: VRI-1-20210901

Lab Sample ID: 480-189085-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	190		8.0	6.0	ug/L	8		8260C	Total/NA
1,3,5-Trimethylbenzene	510		8.0	6.2	ug/L	8		8260C	Total/NA
Isopropylbenzene	19		8.0	6.3	ug/L	8		8260C	Total/NA
N-Propylbenzene	18		8.0	5.5	ug/L	8		8260C	Total/NA
Xylenes, Total	40		16	5.3	ug/L	8		8260C	Total/NA

Client Sample ID: IW-6-20210901

Lab Sample ID: 480-189085-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	4500		200	150	ug/L	200		8260C	Total/NA
1,3,5-Trimethylbenzene	2200		200	150	ug/L	200		8260C	Total/NA
Isopropylbenzene	280		200	160	ug/L	200		8260C	Total/NA
Methylene Chloride	260		200	88	ug/L	200		8260C	Total/NA
N-Propylbenzene	290		200	140	ug/L	200		8260C	Total/NA
Xylenes, Total	3200		400	130	ug/L	200		8260C	Total/NA

Client Sample ID: FB-20210901

Lab Sample ID: 480-189085-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.62	J	1.0	0.44	ug/L	1		8260C	Total/NA

Client Sample ID: GT-16-20210901

Lab Sample ID: 480-189085-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.0	J	2.0	0.68	ug/L	2		8260C	Total/NA
Methylene Chloride	3.0		2.0	0.88	ug/L	2		8260C	Total/NA
Trichloroethene	18		2.0	0.92	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-189085-1

Client Sample ID: GT-14-20210901

Lab Sample ID: 480-189085-7

No Detections.

Client Sample ID: VRI-4-20210901

Lab Sample ID: 480-189085-8

No Detections.

Client Sample ID: VRI-3-20210901

Lab Sample ID: 480-189085-9

No Detections.

Client Sample ID: VRI-9-20210901

Lab Sample ID: 480-189085-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.3		2.0	0.88	ug/L	2		8260C	Total/NA

Client Sample ID: Duplicate-20210901

Lab Sample ID: 480-189085-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	220		20	15	ug/L	20		8260C	Total/NA
1,3,5-Trimethylbenzene	580		20	15	ug/L	20		8260C	Total/NA
Isopropylbenzene	20		20	16	ug/L	20		8260C	Total/NA
Methylene Chloride	30		20	8.8	ug/L	20		8260C	Total/NA
N-Propylbenzene	20		20	14	ug/L	20		8260C	Total/NA
Xylenes, Total	48		40	13	ug/L	20		8260C	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-189085-12

No Detections.

Method Summary

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

Job ID: 480-189085-1

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

Protocol References:

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

Laboratory References:

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

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: GT-9R-20210831

Lab Sample ID: 480-189085-1

Date Collected: 08/31/21 16:10

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 05:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/04/21 05:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/04/21 05:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/04/21 05:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/04/21 05:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/04/21 05:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/04/21 05:15	1
1,2,4-Trimethylbenzene	15		1.0	0.75	ug/L			09/04/21 05:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/04/21 05:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/04/21 05:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/04/21 05:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/04/21 05:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/04/21 05:15	1
1,3,5-Trimethylbenzene	17		1.0	0.77	ug/L			09/04/21 05:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/04/21 05:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/04/21 05:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/04/21 05:15	1
2-Hexanone	ND		5.0	1.2	ug/L			09/04/21 05:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/04/21 05:15	1
Acetone	ND		10	3.0	ug/L			09/04/21 05:15	1
Benzene	ND		1.0	0.41	ug/L			09/04/21 05:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/04/21 05:15	1
Bromoform	ND		1.0	0.26	ug/L			09/04/21 05:15	1
Bromomethane	ND		1.0	0.69	ug/L			09/04/21 05:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/04/21 05:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/04/21 05:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/04/21 05:15	1
Chloroethane	ND		1.0	0.32	ug/L			09/04/21 05:15	1
Chloroform	ND		1.0	0.34	ug/L			09/04/21 05:15	1
Chloromethane	ND		1.0	0.35	ug/L			09/04/21 05:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/04/21 05:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/04/21 05:15	1
Cyclohexane	ND		1.0	0.18	ug/L			09/04/21 05:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/04/21 05:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/04/21 05:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/04/21 05:15	1
Isopropylbenzene	2.5		1.0	0.79	ug/L			09/04/21 05:15	1
Methyl acetate	ND		2.5	1.3	ug/L			09/04/21 05:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/04/21 05:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/04/21 05:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/04/21 05:15	1
N-Propylbenzene	2.0		1.0	0.69	ug/L			09/04/21 05:15	1
Styrene	ND		1.0	0.73	ug/L			09/04/21 05:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/04/21 05:15	1
Toluene	ND		1.0	0.51	ug/L			09/04/21 05:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/04/21 05:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/04/21 05:15	1
Trichloroethene	ND		1.0	0.46	ug/L			09/04/21 05:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/04/21 05:15	1

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: GT-9R-20210831

Lab Sample ID: 480-189085-1

Date Collected: 08/31/21 16:10

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 05:15	1
Xylenes, Total	15		2.0	0.66	ug/L			09/04/21 05:15	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		77 - 120					09/04/21 05:15	1
4-Bromofluorobenzene (Surr)	100		73 - 120					09/04/21 05:15	1
Dibromofluoromethane (Surr)	115		75 - 123					09/04/21 05:15	1
Toluene-d8 (Surr)	103		80 - 120					09/04/21 05:15	1

Client Sample ID: IW-3-20210901

Lab Sample ID: 480-189085-2

Date Collected: 09/01/21 11:15

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			09/04/21 05:38	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			09/04/21 05:38	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			09/04/21 05:38	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			09/04/21 05:38	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			09/04/21 05:38	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			09/04/21 05:38	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			09/04/21 05:38	2
1,2,4-Trimethylbenzene	23		2.0	1.5	ug/L			09/04/21 05:38	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			09/04/21 05:38	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			09/04/21 05:38	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 05:38	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			09/04/21 05:38	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			09/04/21 05:38	2
1,3,5-Trimethylbenzene	330 E		2.0	1.5	ug/L			09/04/21 05:38	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 05:38	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			09/04/21 05:38	2
2-Butanone (MEK)	ND		20	2.6	ug/L			09/04/21 05:38	2
2-Hexanone	ND		10	2.5	ug/L			09/04/21 05:38	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			09/04/21 05:38	2
Acetone	11 J		20	6.0	ug/L			09/04/21 05:38	2
Benzene	ND		2.0	0.82	ug/L			09/04/21 05:38	2
Bromodichloromethane	ND		2.0	0.78	ug/L			09/04/21 05:38	2
Bromoform	ND		2.0	0.52	ug/L			09/04/21 05:38	2
Bromomethane	ND		2.0	1.4	ug/L			09/04/21 05:38	2
Carbon disulfide	ND		2.0	0.38	ug/L			09/04/21 05:38	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			09/04/21 05:38	2
Chlorobenzene	ND		2.0	1.5	ug/L			09/04/21 05:38	2
Chloroethane	ND		2.0	0.64	ug/L			09/04/21 05:38	2
Chloroform	ND		2.0	0.68	ug/L			09/04/21 05:38	2
Chloromethane	ND		2.0	0.70	ug/L			09/04/21 05:38	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			09/04/21 05:38	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			09/04/21 05:38	2
Cyclohexane	ND		2.0	0.36	ug/L			09/04/21 05:38	2
Dibromochloromethane	ND		2.0	0.64	ug/L			09/04/21 05:38	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			09/04/21 05:38	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: IW-3-20210901

Lab Sample ID: 480-189085-2

Date Collected: 09/01/21 11:15

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		2.0	1.5	ug/L			09/04/21 05:38	2
Isopropylbenzene	48		2.0	1.6	ug/L			09/04/21 05:38	2
Methyl acetate	ND		5.0	2.6	ug/L			09/04/21 05:38	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			09/04/21 05:38	2
Methylcyclohexane	ND		2.0	0.32	ug/L			09/04/21 05:38	2
Methylene Chloride	5.3		2.0	0.88	ug/L			09/04/21 05:38	2
N-Propylbenzene	60		2.0	1.4	ug/L			09/04/21 05:38	2
Styrene	ND		2.0	1.5	ug/L			09/04/21 05:38	2
Tetrachloroethene	ND		2.0	0.72	ug/L			09/04/21 05:38	2
Toluene	ND		2.0	1.0	ug/L			09/04/21 05:38	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			09/04/21 05:38	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			09/04/21 05:38	2
Trichloroethene	ND		2.0	0.92	ug/L			09/04/21 05:38	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			09/04/21 05:38	2
Vinyl chloride	ND		2.0	1.8	ug/L			09/04/21 05:38	2
Xylenes, Total	14		4.0	1.3	ug/L			09/04/21 05:38	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		09/04/21 05:38	2
4-Bromofluorobenzene (Surr)	104		73 - 120		09/04/21 05:38	2
Dibromofluoromethane (Surr)	103		75 - 123		09/04/21 05:38	2
Toluene-d8 (Surr)	101		80 - 120		09/04/21 05:38	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			09/09/21 12:12	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			09/09/21 12:12	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			09/09/21 12:12	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			09/09/21 12:12	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			09/09/21 12:12	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			09/09/21 12:12	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			09/09/21 12:12	5
1,2,4-Trimethylbenzene	25		5.0	3.8	ug/L			09/09/21 12:12	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			09/09/21 12:12	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			09/09/21 12:12	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			09/09/21 12:12	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			09/09/21 12:12	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			09/09/21 12:12	5
1,3,5-Trimethylbenzene	360		5.0	3.9	ug/L			09/09/21 12:12	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			09/09/21 12:12	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			09/09/21 12:12	5
2-Butanone (MEK)	ND		50	6.6	ug/L			09/09/21 12:12	5
2-Hexanone	ND		25	6.2	ug/L			09/09/21 12:12	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			09/09/21 12:12	5
Acetone	ND		50	15	ug/L			09/09/21 12:12	5
Benzene	ND		5.0	2.1	ug/L			09/09/21 12:12	5
Bromodichloromethane	ND		5.0	2.0	ug/L			09/09/21 12:12	5
Bromoform	ND		5.0	1.3	ug/L			09/09/21 12:12	5
Bromomethane	ND		5.0	3.5	ug/L			09/09/21 12:12	5
Carbon disulfide	ND		5.0	0.95	ug/L			09/09/21 12:12	5

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: IW-3-20210901

Lab Sample ID: 480-189085-2

Date Collected: 09/01/21 11:15

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.0	1.4	ug/L			09/09/21 12:12	5
Chlorobenzene	ND		5.0	3.8	ug/L			09/09/21 12:12	5
Chloroethane	ND		5.0	1.6	ug/L			09/09/21 12:12	5
Chloroform	ND		5.0	1.7	ug/L			09/09/21 12:12	5
Chloromethane	ND		5.0	1.8	ug/L			09/09/21 12:12	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			09/09/21 12:12	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			09/09/21 12:12	5
Cyclohexane	ND		5.0	0.90	ug/L			09/09/21 12:12	5
Dibromochloromethane	ND		5.0	1.6	ug/L			09/09/21 12:12	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			09/09/21 12:12	5
Ethylbenzene	ND		5.0	3.7	ug/L			09/09/21 12:12	5
Isopropylbenzene	56		5.0	4.0	ug/L			09/09/21 12:12	5
Methyl acetate	ND		13	6.5	ug/L			09/09/21 12:12	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			09/09/21 12:12	5
Methylcyclohexane	ND		5.0	0.80	ug/L			09/09/21 12:12	5
Methylene Chloride	ND		5.0	2.2	ug/L			09/09/21 12:12	5
N-Propylbenzene	69		5.0	3.5	ug/L			09/09/21 12:12	5
Styrene	ND		5.0	3.7	ug/L			09/09/21 12:12	5
Tetrachloroethene	ND		5.0	1.8	ug/L			09/09/21 12:12	5
Toluene	ND		5.0	2.6	ug/L			09/09/21 12:12	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			09/09/21 12:12	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			09/09/21 12:12	5
Trichloroethene	ND		5.0	2.3	ug/L			09/09/21 12:12	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			09/09/21 12:12	5
Vinyl chloride	ND		5.0	4.5	ug/L			09/09/21 12:12	5
Xylenes, Total	14		10	3.3	ug/L			09/09/21 12:12	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		09/09/21 12:12	5
4-Bromofluorobenzene (Surr)	102		73 - 120		09/09/21 12:12	5
Dibromofluoromethane (Surr)	107		75 - 123		09/09/21 12:12	5
Toluene-d8 (Surr)	102		80 - 120		09/09/21 12:12	5

Client Sample ID: VRI-1-20210901

Lab Sample ID: 480-189085-3

Date Collected: 09/01/21 09:40

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			09/09/21 12:35	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			09/09/21 12:35	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			09/09/21 12:35	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			09/09/21 12:35	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			09/09/21 12:35	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			09/09/21 12:35	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			09/09/21 12:35	8
1,2,4-Trimethylbenzene	190		8.0	6.0	ug/L			09/09/21 12:35	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			09/09/21 12:35	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			09/09/21 12:35	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			09/09/21 12:35	8

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: VRI-1-20210901

Lab Sample ID: 480-189085-3

Date Collected: 09/01/21 09:40

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		8.0	1.7	ug/L			09/09/21 12:35	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			09/09/21 12:35	8
1,3,5-Trimethylbenzene	510		8.0	6.2	ug/L			09/09/21 12:35	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			09/09/21 12:35	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			09/09/21 12:35	8
2-Butanone (MEK)	ND		80	11	ug/L			09/09/21 12:35	8
2-Hexanone	ND		40	9.9	ug/L			09/09/21 12:35	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			09/09/21 12:35	8
Acetone	ND		80	24	ug/L			09/09/21 12:35	8
Benzene	ND		8.0	3.3	ug/L			09/09/21 12:35	8
Bromodichloromethane	ND		8.0	3.1	ug/L			09/09/21 12:35	8
Bromoform	ND		8.0	2.1	ug/L			09/09/21 12:35	8
Bromomethane	ND		8.0	5.5	ug/L			09/09/21 12:35	8
Carbon disulfide	ND		8.0	1.5	ug/L			09/09/21 12:35	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			09/09/21 12:35	8
Chlorobenzene	ND		8.0	6.0	ug/L			09/09/21 12:35	8
Chloroethane	ND		8.0	2.6	ug/L			09/09/21 12:35	8
Chloroform	ND		8.0	2.7	ug/L			09/09/21 12:35	8
Chloromethane	ND		8.0	2.8	ug/L			09/09/21 12:35	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			09/09/21 12:35	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			09/09/21 12:35	8
Cyclohexane	ND		8.0	1.4	ug/L			09/09/21 12:35	8
Dibromochloromethane	ND		8.0	2.6	ug/L			09/09/21 12:35	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			09/09/21 12:35	8
Ethylbenzene	ND		8.0	5.9	ug/L			09/09/21 12:35	8
Isopropylbenzene	19		8.0	6.3	ug/L			09/09/21 12:35	8
Methyl acetate	ND		20	10	ug/L			09/09/21 12:35	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			09/09/21 12:35	8
Methylcyclohexane	ND		8.0	1.3	ug/L			09/09/21 12:35	8
Methylene Chloride	ND		8.0	3.5	ug/L			09/09/21 12:35	8
N-Propylbenzene	18		8.0	5.5	ug/L			09/09/21 12:35	8
Styrene	ND		8.0	5.8	ug/L			09/09/21 12:35	8
Tetrachloroethene	ND		8.0	2.9	ug/L			09/09/21 12:35	8
Toluene	ND		8.0	4.1	ug/L			09/09/21 12:35	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			09/09/21 12:35	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			09/09/21 12:35	8
Trichloroethene	ND		8.0	3.7	ug/L			09/09/21 12:35	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			09/09/21 12:35	8
Vinyl chloride	ND		8.0	7.2	ug/L			09/09/21 12:35	8
Xylenes, Total	40		16	5.3	ug/L			09/09/21 12:35	8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		09/09/21 12:35	8
4-Bromofluorobenzene (Surr)	105		73 - 120		09/09/21 12:35	8
Dibromofluoromethane (Surr)	105		75 - 123		09/09/21 12:35	8
Toluene-d8 (Surr)	104		80 - 120		09/09/21 12:35	8

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: IW-6-20210901

Lab Sample ID: 480-189085-4

Date Collected: 09/01/21 11:10

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 06:24	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			09/04/21 06:24	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62	ug/L			09/04/21 06:24	200
1,1,2-Trichloroethane	ND		200	46	ug/L			09/04/21 06:24	200
1,1-Dichloroethane	ND		200	76	ug/L			09/04/21 06:24	200
1,1-Dichloroethene	ND		200	58	ug/L			09/04/21 06:24	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			09/04/21 06:24	200
1,2,4-Trimethylbenzene	4500		200	150	ug/L			09/04/21 06:24	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			09/04/21 06:24	200
1,2-Dibromoethane	ND		200	150	ug/L			09/04/21 06:24	200
1,2-Dichlorobenzene	ND		200	160	ug/L			09/04/21 06:24	200
1,2-Dichloroethane	ND		200	42	ug/L			09/04/21 06:24	200
1,2-Dichloropropane	ND		200	140	ug/L			09/04/21 06:24	200
1,3,5-Trimethylbenzene	2200		200	150	ug/L			09/04/21 06:24	200
1,3-Dichlorobenzene	ND		200	160	ug/L			09/04/21 06:24	200
1,4-Dichlorobenzene	ND		200	170	ug/L			09/04/21 06:24	200
2-Butanone (MEK)	ND		2000	260	ug/L			09/04/21 06:24	200
2-Hexanone	ND		1000	250	ug/L			09/04/21 06:24	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			09/04/21 06:24	200
Acetone	ND		2000	600	ug/L			09/04/21 06:24	200
Benzene	ND		200	82	ug/L			09/04/21 06:24	200
Bromodichloromethane	ND		200	78	ug/L			09/04/21 06:24	200
Bromoform	ND		200	52	ug/L			09/04/21 06:24	200
Bromomethane	ND		200	140	ug/L			09/04/21 06:24	200
Carbon disulfide	ND		200	38	ug/L			09/04/21 06:24	200
Carbon tetrachloride	ND		200	54	ug/L			09/04/21 06:24	200
Chlorobenzene	ND		200	150	ug/L			09/04/21 06:24	200
Chloroethane	ND		200	64	ug/L			09/04/21 06:24	200
Chloroform	ND		200	68	ug/L			09/04/21 06:24	200
Chloromethane	ND		200	70	ug/L			09/04/21 06:24	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			09/04/21 06:24	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			09/04/21 06:24	200
Cyclohexane	ND		200	36	ug/L			09/04/21 06:24	200
Dibromochloromethane	ND		200	64	ug/L			09/04/21 06:24	200
Dichlorodifluoromethane	ND		200	140	ug/L			09/04/21 06:24	200
Ethylbenzene	ND		200	150	ug/L			09/04/21 06:24	200
Isopropylbenzene	280		200	160	ug/L			09/04/21 06:24	200
Methyl acetate	ND		500	260	ug/L			09/04/21 06:24	200
Methyl tert-butyl ether	ND		200	32	ug/L			09/04/21 06:24	200
Methylcyclohexane	ND		200	32	ug/L			09/04/21 06:24	200
Methylene Chloride	260		200	88	ug/L			09/04/21 06:24	200
N-Propylbenzene	290		200	140	ug/L			09/04/21 06:24	200
Styrene	ND		200	150	ug/L			09/04/21 06:24	200
Tetrachloroethene	ND		200	72	ug/L			09/04/21 06:24	200
Toluene	ND		200	100	ug/L			09/04/21 06:24	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			09/04/21 06:24	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			09/04/21 06:24	200
Trichloroethene	ND		200	92	ug/L			09/04/21 06:24	200
Trichlorofluoromethane	ND		200	180	ug/L			09/04/21 06:24	200

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: IW-6-20210901

Lab Sample ID: 480-189085-4

Date Collected: 09/01/21 11:10

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		200	180	ug/L			09/04/21 06:24	200
Xylenes, Total	3200		400	130	ug/L			09/04/21 06:24	200

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120					09/04/21 06:24	200
4-Bromofluorobenzene (Surr)	103		73 - 120					09/04/21 06:24	200
Dibromofluoromethane (Surr)	110		75 - 123					09/04/21 06:24	200
Toluene-d8 (Surr)	102		80 - 120					09/04/21 06:24	200

Client Sample ID: FB-20210901

Lab Sample ID: 480-189085-5

Date Collected: 09/01/21 14:15

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 06:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/04/21 06:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/04/21 06:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/04/21 06:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/04/21 06:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/04/21 06:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/04/21 06:47	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/04/21 06:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/04/21 06:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/04/21 06:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/04/21 06:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/04/21 06:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/04/21 06:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/04/21 06:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/04/21 06:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/04/21 06:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/04/21 06:47	1
2-Hexanone	ND		5.0	1.2	ug/L			09/04/21 06:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/04/21 06:47	1
Acetone	ND		10	3.0	ug/L			09/04/21 06:47	1
Benzene	ND		1.0	0.41	ug/L			09/04/21 06:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/04/21 06:47	1
Bromoform	ND		1.0	0.26	ug/L			09/04/21 06:47	1
Bromomethane	ND		1.0	0.69	ug/L			09/04/21 06:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/04/21 06:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/04/21 06:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/04/21 06:47	1
Chloroethane	ND		1.0	0.32	ug/L			09/04/21 06:47	1
Chloroform	ND		1.0	0.34	ug/L			09/04/21 06:47	1
Chloromethane	ND		1.0	0.35	ug/L			09/04/21 06:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/04/21 06:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/04/21 06:47	1
Cyclohexane	ND		1.0	0.18	ug/L			09/04/21 06:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/04/21 06:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/04/21 06:47	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: FB-20210901

Lab Sample ID: 480-189085-5

Date Collected: 09/01/21 14:15

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 06:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/04/21 06:47	1
Methyl acetate	ND		2.5	1.3	ug/L			09/04/21 06:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/04/21 06:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/04/21 06:47	1
Methylene Chloride	0.62	J	1.0	0.44	ug/L			09/04/21 06:47	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/04/21 06:47	1
Styrene	ND		1.0	0.73	ug/L			09/04/21 06:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/04/21 06:47	1
Toluene	ND		1.0	0.51	ug/L			09/04/21 06:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/04/21 06:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/04/21 06:47	1
Trichloroethene	ND		1.0	0.46	ug/L			09/04/21 06:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/04/21 06:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/04/21 06:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/04/21 06:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		77 - 120		09/04/21 06:47	1
4-Bromofluorobenzene (Surr)	103		73 - 120		09/04/21 06:47	1
Dibromofluoromethane (Surr)	114		75 - 123		09/04/21 06:47	1
Toluene-d8 (Surr)	103		80 - 120		09/04/21 06:47	1

Client Sample ID: GT-16-20210901

Lab Sample ID: 480-189085-6

Date Collected: 09/01/21 14:25

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			09/04/21 07:10	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			09/04/21 07:10	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			09/04/21 07:10	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			09/04/21 07:10	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			09/04/21 07:10	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			09/04/21 07:10	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			09/04/21 07:10	2
1,2,4-Trimethylbenzene	ND		2.0	1.5	ug/L			09/04/21 07:10	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			09/04/21 07:10	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			09/04/21 07:10	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 07:10	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			09/04/21 07:10	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			09/04/21 07:10	2
1,3,5-Trimethylbenzene	ND		2.0	1.5	ug/L			09/04/21 07:10	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 07:10	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			09/04/21 07:10	2
2-Butanone (MEK)	ND		20	2.6	ug/L			09/04/21 07:10	2
2-Hexanone	ND		10	2.5	ug/L			09/04/21 07:10	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			09/04/21 07:10	2
Acetone	ND		20	6.0	ug/L			09/04/21 07:10	2
Benzene	ND		2.0	0.82	ug/L			09/04/21 07:10	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: GT-16-20210901

Lab Sample ID: 480-189085-6

Date Collected: 09/01/21 14:25

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		2.0	0.78	ug/L			09/04/21 07:10	2
Bromoform	ND		2.0	0.52	ug/L			09/04/21 07:10	2
Bromomethane	ND		2.0	1.4	ug/L			09/04/21 07:10	2
Carbon disulfide	ND		2.0	0.38	ug/L			09/04/21 07:10	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			09/04/21 07:10	2
Chlorobenzene	ND		2.0	1.5	ug/L			09/04/21 07:10	2
Chloroethane	ND		2.0	0.64	ug/L			09/04/21 07:10	2
Chloroform	1.0	J	2.0	0.68	ug/L			09/04/21 07:10	2
Chloromethane	ND		2.0	0.70	ug/L			09/04/21 07:10	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			09/04/21 07:10	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			09/04/21 07:10	2
Cyclohexane	ND		2.0	0.36	ug/L			09/04/21 07:10	2
Dibromochloromethane	ND		2.0	0.64	ug/L			09/04/21 07:10	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			09/04/21 07:10	2
Ethylbenzene	ND		2.0	1.5	ug/L			09/04/21 07:10	2
Isopropylbenzene	ND		2.0	1.6	ug/L			09/04/21 07:10	2
Methyl acetate	ND		5.0	2.6	ug/L			09/04/21 07:10	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			09/04/21 07:10	2
Methylcyclohexane	ND		2.0	0.32	ug/L			09/04/21 07:10	2
Methylene Chloride	3.0		2.0	0.88	ug/L			09/04/21 07:10	2
N-Propylbenzene	ND		2.0	1.4	ug/L			09/04/21 07:10	2
Styrene	ND		2.0	1.5	ug/L			09/04/21 07:10	2
Tetrachloroethene	ND		2.0	0.72	ug/L			09/04/21 07:10	2
Toluene	ND		2.0	1.0	ug/L			09/04/21 07:10	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			09/04/21 07:10	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			09/04/21 07:10	2
Trichloroethene	18		2.0	0.92	ug/L			09/04/21 07:10	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			09/04/21 07:10	2
Vinyl chloride	ND		2.0	1.8	ug/L			09/04/21 07:10	2
Xylenes, Total	ND		4.0	1.3	ug/L			09/04/21 07:10	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		77 - 120		09/04/21 07:10	2
4-Bromofluorobenzene (Surr)	105		73 - 120		09/04/21 07:10	2
Dibromofluoromethane (Surr)	115		75 - 123		09/04/21 07:10	2
Toluene-d8 (Surr)	104		80 - 120		09/04/21 07:10	2

Client Sample ID: GT-14-20210901

Lab Sample ID: 480-189085-7

Date Collected: 09/01/21 15:55

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			09/04/21 07:33	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			09/04/21 07:33	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			09/04/21 07:33	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			09/04/21 07:33	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			09/04/21 07:33	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			09/04/21 07:33	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			09/04/21 07:33	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: GT-14-20210901

Lab Sample ID: 480-189085-7

Date Collected: 09/01/21 15:55

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		2.0	1.5	ug/L			09/04/21 07:33	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			09/04/21 07:33	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			09/04/21 07:33	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 07:33	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			09/04/21 07:33	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			09/04/21 07:33	2
1,3,5-Trimethylbenzene	ND		2.0	1.5	ug/L			09/04/21 07:33	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 07:33	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			09/04/21 07:33	2
2-Butanone (MEK)	ND		20	2.6	ug/L			09/04/21 07:33	2
2-Hexanone	ND		10	2.5	ug/L			09/04/21 07:33	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			09/04/21 07:33	2
Acetone	ND		20	6.0	ug/L			09/04/21 07:33	2
Benzene	ND		2.0	0.82	ug/L			09/04/21 07:33	2
Bromodichloromethane	ND		2.0	0.78	ug/L			09/04/21 07:33	2
Bromoform	ND		2.0	0.52	ug/L			09/04/21 07:33	2
Bromomethane	ND		2.0	1.4	ug/L			09/04/21 07:33	2
Carbon disulfide	ND		2.0	0.38	ug/L			09/04/21 07:33	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			09/04/21 07:33	2
Chlorobenzene	ND		2.0	1.5	ug/L			09/04/21 07:33	2
Chloroethane	ND		2.0	0.64	ug/L			09/04/21 07:33	2
Chloroform	ND		2.0	0.68	ug/L			09/04/21 07:33	2
Chloromethane	ND		2.0	0.70	ug/L			09/04/21 07:33	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			09/04/21 07:33	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			09/04/21 07:33	2
Cyclohexane	ND		2.0	0.36	ug/L			09/04/21 07:33	2
Dibromochloromethane	ND		2.0	0.64	ug/L			09/04/21 07:33	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			09/04/21 07:33	2
Ethylbenzene	ND		2.0	1.5	ug/L			09/04/21 07:33	2
Isopropylbenzene	ND		2.0	1.6	ug/L			09/04/21 07:33	2
Methyl acetate	ND		5.0	2.6	ug/L			09/04/21 07:33	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			09/04/21 07:33	2
Methylcyclohexane	ND		2.0	0.32	ug/L			09/04/21 07:33	2
Methylene Chloride	ND		2.0	0.88	ug/L			09/04/21 07:33	2
N-Propylbenzene	ND		2.0	1.4	ug/L			09/04/21 07:33	2
Styrene	ND		2.0	1.5	ug/L			09/04/21 07:33	2
Tetrachloroethene	ND		2.0	0.72	ug/L			09/04/21 07:33	2
Toluene	ND		2.0	1.0	ug/L			09/04/21 07:33	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			09/04/21 07:33	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			09/04/21 07:33	2
Trichloroethene	ND		2.0	0.92	ug/L			09/04/21 07:33	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			09/04/21 07:33	2
Vinyl chloride	ND		2.0	1.8	ug/L			09/04/21 07:33	2
Xylenes, Total	ND		4.0	1.3	ug/L			09/04/21 07:33	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		77 - 120		09/04/21 07:33	2
4-Bromofluorobenzene (Surr)	100		73 - 120		09/04/21 07:33	2
Dibromofluoromethane (Surr)	109		75 - 123		09/04/21 07:33	2
Toluene-d8 (Surr)	104		80 - 120		09/04/21 07:33	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: VRI-4-20210901

Lab Sample ID: 480-189085-8

Date Collected: 09/01/21 14:45

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 07:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/04/21 07:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/04/21 07:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/04/21 07:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/04/21 07:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/04/21 07:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/04/21 07:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/04/21 07:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/04/21 07:56	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/04/21 07:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/04/21 07:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/04/21 07:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/04/21 07:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/04/21 07:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/04/21 07:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/04/21 07:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/04/21 07:56	1
2-Hexanone	ND		5.0	1.2	ug/L			09/04/21 07:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/04/21 07:56	1
Acetone	ND		10	3.0	ug/L			09/04/21 07:56	1
Benzene	ND		1.0	0.41	ug/L			09/04/21 07:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/04/21 07:56	1
Bromoform	ND		1.0	0.26	ug/L			09/04/21 07:56	1
Bromomethane	ND		1.0	0.69	ug/L			09/04/21 07:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/04/21 07:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/04/21 07:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/04/21 07:56	1
Chloroethane	ND		1.0	0.32	ug/L			09/04/21 07:56	1
Chloroform	ND		1.0	0.34	ug/L			09/04/21 07:56	1
Chloromethane	ND		1.0	0.35	ug/L			09/04/21 07:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/04/21 07:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/04/21 07:56	1
Cyclohexane	ND		1.0	0.18	ug/L			09/04/21 07:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/04/21 07:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/04/21 07:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/04/21 07:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/04/21 07:56	1
Methyl acetate	ND		2.5	1.3	ug/L			09/04/21 07:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/04/21 07:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/04/21 07:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/04/21 07:56	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/04/21 07:56	1
Styrene	ND		1.0	0.73	ug/L			09/04/21 07:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/04/21 07:56	1
Toluene	ND		1.0	0.51	ug/L			09/04/21 07:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/04/21 07:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/04/21 07:56	1
Trichloroethene	ND		1.0	0.46	ug/L			09/04/21 07:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/04/21 07:56	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: VRI-4-20210901

Lab Sample ID: 480-189085-8

Date Collected: 09/01/21 14:45

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 07:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/04/21 07:56	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120					09/04/21 07:56	1
4-Bromofluorobenzene (Surr)	101		73 - 120					09/04/21 07:56	1
Dibromofluoromethane (Surr)	111		75 - 123					09/04/21 07:56	1
Toluene-d8 (Surr)	101		80 - 120					09/04/21 07:56	1

Client Sample ID: VRI-3-20210901

Lab Sample ID: 480-189085-9

Date Collected: 09/01/21 16:40

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			09/04/21 08:19	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			09/04/21 08:19	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			09/04/21 08:19	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			09/04/21 08:19	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			09/04/21 08:19	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			09/04/21 08:19	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			09/04/21 08:19	2
1,2,4-Trimethylbenzene	ND		2.0	1.5	ug/L			09/04/21 08:19	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			09/04/21 08:19	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			09/04/21 08:19	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 08:19	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			09/04/21 08:19	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			09/04/21 08:19	2
1,3,5-Trimethylbenzene	ND		2.0	1.5	ug/L			09/04/21 08:19	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 08:19	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			09/04/21 08:19	2
2-Butanone (MEK)	ND		20	2.6	ug/L			09/04/21 08:19	2
2-Hexanone	ND		10	2.5	ug/L			09/04/21 08:19	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			09/04/21 08:19	2
Acetone	ND		20	6.0	ug/L			09/04/21 08:19	2
Benzene	ND		2.0	0.82	ug/L			09/04/21 08:19	2
Bromodichloromethane	ND		2.0	0.78	ug/L			09/04/21 08:19	2
Bromoform	ND		2.0	0.52	ug/L			09/04/21 08:19	2
Bromomethane	ND		2.0	1.4	ug/L			09/04/21 08:19	2
Carbon disulfide	ND		2.0	0.38	ug/L			09/04/21 08:19	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			09/04/21 08:19	2
Chlorobenzene	ND		2.0	1.5	ug/L			09/04/21 08:19	2
Chloroethane	ND		2.0	0.64	ug/L			09/04/21 08:19	2
Chloroform	ND		2.0	0.68	ug/L			09/04/21 08:19	2
Chloromethane	ND		2.0	0.70	ug/L			09/04/21 08:19	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			09/04/21 08:19	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			09/04/21 08:19	2
Cyclohexane	ND		2.0	0.36	ug/L			09/04/21 08:19	2
Dibromochloromethane	ND		2.0	0.64	ug/L			09/04/21 08:19	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			09/04/21 08:19	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: VRI-3-20210901

Lab Sample ID: 480-189085-9

Date Collected: 09/01/21 16:40

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		2.0	1.5	ug/L			09/04/21 08:19	2
Isopropylbenzene	ND		2.0	1.6	ug/L			09/04/21 08:19	2
Methyl acetate	ND		5.0	2.6	ug/L			09/04/21 08:19	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			09/04/21 08:19	2
Methylcyclohexane	ND		2.0	0.32	ug/L			09/04/21 08:19	2
Methylene Chloride	ND		2.0	0.88	ug/L			09/04/21 08:19	2
N-Propylbenzene	ND		2.0	1.4	ug/L			09/04/21 08:19	2
Styrene	ND		2.0	1.5	ug/L			09/04/21 08:19	2
Tetrachloroethene	ND		2.0	0.72	ug/L			09/04/21 08:19	2
Toluene	ND		2.0	1.0	ug/L			09/04/21 08:19	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			09/04/21 08:19	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			09/04/21 08:19	2
Trichloroethene	ND		2.0	0.92	ug/L			09/04/21 08:19	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			09/04/21 08:19	2
Vinyl chloride	ND		2.0	1.8	ug/L			09/04/21 08:19	2
Xylenes, Total	ND		4.0	1.3	ug/L			09/04/21 08:19	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		09/04/21 08:19	2
4-Bromofluorobenzene (Surr)	99		73 - 120		09/04/21 08:19	2
Dibromofluoromethane (Surr)	109		75 - 123		09/04/21 08:19	2
Toluene-d8 (Surr)	101		80 - 120		09/04/21 08:19	2

Client Sample ID: VRI-9-20210901

Lab Sample ID: 480-189085-10

Date Collected: 09/01/21 16:45

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			09/04/21 08:43	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			09/04/21 08:43	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			09/04/21 08:43	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			09/04/21 08:43	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			09/04/21 08:43	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			09/04/21 08:43	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			09/04/21 08:43	2
1,2,4-Trimethylbenzene	ND		2.0	1.5	ug/L			09/04/21 08:43	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			09/04/21 08:43	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			09/04/21 08:43	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 08:43	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			09/04/21 08:43	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			09/04/21 08:43	2
1,3,5-Trimethylbenzene	ND		2.0	1.5	ug/L			09/04/21 08:43	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 08:43	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			09/04/21 08:43	2
2-Butanone (MEK)	ND		20	2.6	ug/L			09/04/21 08:43	2
2-Hexanone	ND		10	2.5	ug/L			09/04/21 08:43	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			09/04/21 08:43	2
Acetone	ND		20	6.0	ug/L			09/04/21 08:43	2
Benzene	ND		2.0	0.82	ug/L			09/04/21 08:43	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: VRI-9-20210901

Lab Sample ID: 480-189085-10

Date Collected: 09/01/21 16:45

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		2.0	0.78	ug/L			09/04/21 08:43	2
Bromoform	ND		2.0	0.52	ug/L			09/04/21 08:43	2
Bromomethane	ND		2.0	1.4	ug/L			09/04/21 08:43	2
Carbon disulfide	ND		2.0	0.38	ug/L			09/04/21 08:43	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			09/04/21 08:43	2
Chlorobenzene	ND		2.0	1.5	ug/L			09/04/21 08:43	2
Chloroethane	ND		2.0	0.64	ug/L			09/04/21 08:43	2
Chloroform	ND		2.0	0.68	ug/L			09/04/21 08:43	2
Chloromethane	ND		2.0	0.70	ug/L			09/04/21 08:43	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			09/04/21 08:43	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			09/04/21 08:43	2
Cyclohexane	ND		2.0	0.36	ug/L			09/04/21 08:43	2
Dibromochloromethane	ND		2.0	0.64	ug/L			09/04/21 08:43	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			09/04/21 08:43	2
Ethylbenzene	ND		2.0	1.5	ug/L			09/04/21 08:43	2
Isopropylbenzene	ND		2.0	1.6	ug/L			09/04/21 08:43	2
Methyl acetate	ND		5.0	2.6	ug/L			09/04/21 08:43	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			09/04/21 08:43	2
Methylcyclohexane	ND		2.0	0.32	ug/L			09/04/21 08:43	2
Methylene Chloride	3.3		2.0	0.88	ug/L			09/04/21 08:43	2
N-Propylbenzene	ND		2.0	1.4	ug/L			09/04/21 08:43	2
Styrene	ND		2.0	1.5	ug/L			09/04/21 08:43	2
Tetrachloroethene	ND		2.0	0.72	ug/L			09/04/21 08:43	2
Toluene	ND		2.0	1.0	ug/L			09/04/21 08:43	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			09/04/21 08:43	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			09/04/21 08:43	2
Trichloroethene	ND		2.0	0.92	ug/L			09/04/21 08:43	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			09/04/21 08:43	2
Vinyl chloride	ND		2.0	1.8	ug/L			09/04/21 08:43	2
Xylenes, Total	ND		4.0	1.3	ug/L			09/04/21 08:43	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		09/04/21 08:43	2
4-Bromofluorobenzene (Surr)	110		73 - 120		09/04/21 08:43	2
Dibromofluoromethane (Surr)	111		75 - 123		09/04/21 08:43	2
Toluene-d8 (Surr)	104		80 - 120		09/04/21 08:43	2

Client Sample ID: Duplicate-20210901

Lab Sample ID: 480-189085-11

Date Collected: 09/01/21 12:00

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			09/04/21 09:06	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			09/04/21 09:06	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			09/04/21 09:06	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			09/04/21 09:06	20
1,1-Dichloroethane	ND		20	7.6	ug/L			09/04/21 09:06	20
1,1-Dichloroethene	ND		20	5.8	ug/L			09/04/21 09:06	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			09/04/21 09:06	20

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: Duplicate-20210901

Lab Sample ID: 480-189085-11

Date Collected: 09/01/21 12:00

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	220		20	15	ug/L			09/04/21 09:06	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			09/04/21 09:06	20
1,2-Dibromoethane	ND		20	15	ug/L			09/04/21 09:06	20
1,2-Dichlorobenzene	ND		20	16	ug/L			09/04/21 09:06	20
1,2-Dichloroethane	ND		20	4.2	ug/L			09/04/21 09:06	20
1,2-Dichloropropane	ND		20	14	ug/L			09/04/21 09:06	20
1,3,5-Trimethylbenzene	580		20	15	ug/L			09/04/21 09:06	20
1,3-Dichlorobenzene	ND		20	16	ug/L			09/04/21 09:06	20
1,4-Dichlorobenzene	ND		20	17	ug/L			09/04/21 09:06	20
2-Butanone (MEK)	ND		200	26	ug/L			09/04/21 09:06	20
2-Hexanone	ND		100	25	ug/L			09/04/21 09:06	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			09/04/21 09:06	20
Acetone	ND		200	60	ug/L			09/04/21 09:06	20
Benzene	ND		20	8.2	ug/L			09/04/21 09:06	20
Bromodichloromethane	ND		20	7.8	ug/L			09/04/21 09:06	20
Bromoform	ND		20	5.2	ug/L			09/04/21 09:06	20
Bromomethane	ND		20	14	ug/L			09/04/21 09:06	20
Carbon disulfide	ND		20	3.8	ug/L			09/04/21 09:06	20
Carbon tetrachloride	ND		20	5.4	ug/L			09/04/21 09:06	20
Chlorobenzene	ND		20	15	ug/L			09/04/21 09:06	20
Chloroethane	ND		20	6.4	ug/L			09/04/21 09:06	20
Chloroform	ND		20	6.8	ug/L			09/04/21 09:06	20
Chloromethane	ND		20	7.0	ug/L			09/04/21 09:06	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			09/04/21 09:06	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			09/04/21 09:06	20
Cyclohexane	ND		20	3.6	ug/L			09/04/21 09:06	20
Dibromochloromethane	ND		20	6.4	ug/L			09/04/21 09:06	20
Dichlorodifluoromethane	ND		20	14	ug/L			09/04/21 09:06	20
Ethylbenzene	ND		20	15	ug/L			09/04/21 09:06	20
Isopropylbenzene	20		20	16	ug/L			09/04/21 09:06	20
Methyl acetate	ND		50	26	ug/L			09/04/21 09:06	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			09/04/21 09:06	20
Methylcyclohexane	ND		20	3.2	ug/L			09/04/21 09:06	20
Methylene Chloride	30		20	8.8	ug/L			09/04/21 09:06	20
N-Propylbenzene	20		20	14	ug/L			09/04/21 09:06	20
Styrene	ND		20	15	ug/L			09/04/21 09:06	20
Tetrachloroethene	ND		20	7.2	ug/L			09/04/21 09:06	20
Toluene	ND		20	10	ug/L			09/04/21 09:06	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			09/04/21 09:06	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			09/04/21 09:06	20
Trichloroethene	ND		20	9.2	ug/L			09/04/21 09:06	20
Trichlorofluoromethane	ND		20	18	ug/L			09/04/21 09:06	20
Vinyl chloride	ND		20	18	ug/L			09/04/21 09:06	20
Xylenes, Total	48		40	13	ug/L			09/04/21 09:06	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		77 - 120		09/04/21 09:06	20
4-Bromofluorobenzene (Surr)	101		73 - 120		09/04/21 09:06	20
Dibromofluoromethane (Surr)	114		75 - 123		09/04/21 09:06	20
Toluene-d8 (Surr)	99		80 - 120		09/04/21 09:06	20

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-189085-12

Date Collected: 09/01/21 00:00

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 09:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/04/21 09:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/04/21 09:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/04/21 09:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/04/21 09:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/04/21 09:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/04/21 09:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/04/21 09:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/04/21 09:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/04/21 09:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/04/21 09:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/04/21 09:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/04/21 09:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/04/21 09:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/04/21 09:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/04/21 09:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/04/21 09:29	1
2-Hexanone	ND		5.0	1.2	ug/L			09/04/21 09:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/04/21 09:29	1
Acetone	ND		10	3.0	ug/L			09/04/21 09:29	1
Benzene	ND		1.0	0.41	ug/L			09/04/21 09:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/04/21 09:29	1
Bromoform	ND		1.0	0.26	ug/L			09/04/21 09:29	1
Bromomethane	ND		1.0	0.69	ug/L			09/04/21 09:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/04/21 09:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/04/21 09:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/04/21 09:29	1
Chloroethane	ND		1.0	0.32	ug/L			09/04/21 09:29	1
Chloroform	ND		1.0	0.34	ug/L			09/04/21 09:29	1
Chloromethane	ND		1.0	0.35	ug/L			09/04/21 09:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/04/21 09:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/04/21 09:29	1
Cyclohexane	ND		1.0	0.18	ug/L			09/04/21 09:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/04/21 09:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/04/21 09:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/04/21 09:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/04/21 09:29	1
Methyl acetate	ND		2.5	1.3	ug/L			09/04/21 09:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/04/21 09:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/04/21 09:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/04/21 09:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/04/21 09:29	1
Styrene	ND		1.0	0.73	ug/L			09/04/21 09:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/04/21 09:29	1
Toluene	ND		1.0	0.51	ug/L			09/04/21 09:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/04/21 09:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/04/21 09:29	1
Trichloroethene	ND		1.0	0.46	ug/L			09/04/21 09:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/04/21 09:29	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-189085-12

Date Collected: 09/01/21 00:00

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 09:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/04/21 09:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		09/04/21 09:29	1
4-Bromofluorobenzene (Surr)	104		73 - 120		09/04/21 09:29	1
Dibromofluoromethane (Surr)	106		75 - 123		09/04/21 09:29	1
Toluene-d8 (Surr)	103		80 - 120		09/04/21 09:29	1

Surrogate Summary

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

Job ID: 480-189085-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-189085-1	GT-9R-20210831	120	100	115	103
480-189085-2	IW-3-20210901	115	104	103	101
480-189085-2 - DL	IW-3-20210901	103	102	107	102
480-189085-3	VRI-1-20210901	98	105	105	104
480-189085-4	IW-6-20210901	112	103	110	102
480-189085-4 MS	IW-6-20210901	115	103	107	103
480-189085-4 MSD	IW-6-20210901	115	103	115	101
480-189085-5	FB-20210901	117	103	114	103
480-189085-6	GT-16-20210901	118	105	115	104
480-189085-7	GT-14-20210901	118	100	109	104
480-189085-8	VRI-4-20210901	112	101	111	101
480-189085-9	VRI-3-20210901	110	99	109	101
480-189085-10	VRI-9-20210901	114	110	111	104
480-189085-11	Duplicate-20210901	120	101	114	99
480-189085-12	Trip Blank	114	104	106	103
LCS 480-595264/6	Lab Control Sample	112	100	109	101
LCS 480-595662/5	Lab Control Sample	101	110	111	102
MB 480-595264/8	Method Blank	113	106	107	101
MB 480-595662/7	Method Blank	103	98	107	97

Surrogate Legend

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

QC Sample Results

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

Job ID: 480-189085-1

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

Lab Sample ID: MB 480-595264/8

Matrix: Water

Analysis Batch: 595264

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			09/04/21 01:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/04/21 01:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/04/21 01:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/04/21 01:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/04/21 01:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/04/21 01:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/04/21 01:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/04/21 01:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/04/21 01:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/04/21 01:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/04/21 01:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/04/21 01:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/04/21 01:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/04/21 01:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/04/21 01:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/04/21 01:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/04/21 01:22	1
2-Hexanone	ND		5.0	1.2	ug/L			09/04/21 01:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/04/21 01:22	1
Acetone	ND		10	3.0	ug/L			09/04/21 01:22	1
Benzene	ND		1.0	0.41	ug/L			09/04/21 01:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/04/21 01:22	1
Bromoform	ND		1.0	0.26	ug/L			09/04/21 01:22	1
Bromomethane	ND		1.0	0.69	ug/L			09/04/21 01:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/04/21 01:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/04/21 01:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/04/21 01:22	1
Chloroethane	ND		1.0	0.32	ug/L			09/04/21 01:22	1
Chloroform	ND		1.0	0.34	ug/L			09/04/21 01:22	1
Chloromethane	ND		1.0	0.35	ug/L			09/04/21 01:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/04/21 01:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/04/21 01:22	1
Cyclohexane	ND		1.0	0.18	ug/L			09/04/21 01:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/04/21 01:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/04/21 01:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/04/21 01:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/04/21 01:22	1
Methyl acetate	ND		2.5	1.3	ug/L			09/04/21 01:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/04/21 01:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/04/21 01:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/04/21 01:22	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/04/21 01:22	1
Styrene	ND		1.0	0.73	ug/L			09/04/21 01:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/04/21 01:22	1
Toluene	ND		1.0	0.51	ug/L			09/04/21 01:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/04/21 01:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/04/21 01:22	1
Trichloroethene	ND		1.0	0.46	ug/L			09/04/21 01:22	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-189085-1

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

Lab Sample ID: MB 480-595264/8

Matrix: Water

Analysis Batch: 595264

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			09/04/21 01:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/04/21 01:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/04/21 01:22	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		77 - 120					09/04/21 01:22	1
4-Bromofluorobenzene (Surr)	106		73 - 120					09/04/21 01:22	1
Dibromofluoromethane (Surr)	107		75 - 123					09/04/21 01:22	1
Toluene-d8 (Surr)	101		80 - 120					09/04/21 01:22	1

Lab Sample ID: LCS 480-595264/6

Matrix: Water

Analysis Batch: 595264

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	23.6		ug/L		94	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.7		ug/L		95	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.2		ug/L		85	61 - 148
1,1,2-Trichloroethane	25.0	22.5		ug/L		90	76 - 122
1,1-Dichloroethane	25.0	23.0		ug/L		92	77 - 120
1,1-Dichloroethene	25.0	20.3		ug/L		81	66 - 127
1,2,4-Trichlorobenzene	25.0	23.1		ug/L		92	79 - 122
1,2,4-Trimethylbenzene	25.0	22.8		ug/L		91	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	19.8		ug/L		79	56 - 134
1,2-Dibromoethane	25.0	24.7		ug/L		99	77 - 120
1,2-Dichlorobenzene	25.0	23.6		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	24.5		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	23.0		ug/L		92	76 - 120
1,3,5-Trimethylbenzene	25.0	23.1		ug/L		92	77 - 121
1,3-Dichlorobenzene	25.0	23.5		ug/L		94	77 - 120
1,4-Dichlorobenzene	25.0	23.2		ug/L		93	80 - 120
2-Butanone (MEK)	125	136		ug/L		109	57 - 140
2-Hexanone	125	130		ug/L		104	65 - 127
4-Methyl-2-pentanone (MIBK)	125	116		ug/L		93	71 - 125
Acetone	125	156		ug/L		124	56 - 142
Benzene	25.0	22.9		ug/L		92	71 - 124
Bromodichloromethane	25.0	23.4		ug/L		93	80 - 122
Bromoform	25.0	21.6		ug/L		86	61 - 132
Bromomethane	25.0	16.9		ug/L		67	55 - 144
Carbon disulfide	25.0	18.6		ug/L		74	59 - 134
Carbon tetrachloride	25.0	22.4		ug/L		90	72 - 134
Chlorobenzene	25.0	23.1		ug/L		92	80 - 120
Chloroethane	25.0	17.9		ug/L		72	69 - 136
Chloroform	25.0	22.8		ug/L		91	73 - 127
Chloromethane	25.0	18.6		ug/L		74	68 - 124
cis-1,2-Dichloroethene	25.0	22.3		ug/L		89	74 - 124
cis-1,3-Dichloropropene	25.0	23.6		ug/L		94	74 - 124
Cyclohexane	25.0	21.7		ug/L		87	59 - 135

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-189085-1

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

Lab Sample ID: LCS 480-595264/6

Matrix: Water

Analysis Batch: 595264

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	24.0		ug/L		96	75 - 125
Dichlorodifluoromethane	25.0	15.2		ug/L		61	59 - 135
Ethylbenzene	25.0	21.9		ug/L		88	77 - 123
Isopropylbenzene	25.0	22.6		ug/L		91	77 - 122
Methyl acetate	50.0	50.7		ug/L		101	74 - 133
Methyl tert-butyl ether	25.0	22.9		ug/L		92	77 - 120
Methylcyclohexane	25.0	20.8		ug/L		83	68 - 134
Methylene Chloride	25.0	23.0		ug/L		92	75 - 124
N-Propylbenzene	25.0	22.5		ug/L		90	75 - 127
Styrene	25.0	22.4		ug/L		89	80 - 120
Tetrachloroethene	25.0	23.1		ug/L		92	74 - 122
Toluene	25.0	21.8		ug/L		87	80 - 122
trans-1,2-Dichloroethene	25.0	22.2		ug/L		89	73 - 127
trans-1,3-Dichloropropene	25.0	22.3		ug/L		89	80 - 120
Trichloroethene	25.0	24.8		ug/L		99	74 - 123
Trichlorofluoromethane	25.0	21.7		ug/L		87	62 - 150
Vinyl chloride	25.0	17.1		ug/L		68	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	112		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Dibromofluoromethane (Surr)	109		75 - 123
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: 480-189085-4 MS

Matrix: Water

Analysis Batch: 595264

Client Sample ID: IW-6-20210901

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		5000	4710		ug/L		94	73 - 126
1,1,2,2-Tetrachloroethane	ND		5000	4530		ug/L		91	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5000	4060		ug/L		81	61 - 148
1,1,2-Trichloroethane	ND		5000	4610		ug/L		92	76 - 122
1,1-Dichloroethane	ND		5000	4610		ug/L		92	77 - 120
1,1-Dichloroethene	ND		5000	3870		ug/L		77	66 - 127
1,2,4-Trichlorobenzene	ND		5000	4670		ug/L		93	79 - 122
1,2,4-Trimethylbenzene	4500		5000	9080		ug/L		91	76 - 121
1,2-Dibromo-3-Chloropropane	ND		5000	4170		ug/L		83	56 - 134
1,2-Dibromoethane	ND		5000	4860		ug/L		97	77 - 120
1,2-Dichlorobenzene	ND		5000	4630		ug/L		93	80 - 124
1,2-Dichloroethane	ND		5000	5180		ug/L		104	75 - 120
1,2-Dichloropropane	ND		5000	4850		ug/L		97	76 - 120
1,3,5-Trimethylbenzene	2200		5000	6700		ug/L		89	77 - 121
1,3-Dichlorobenzene	ND		5000	4610		ug/L		92	77 - 120
1,4-Dichlorobenzene	ND		5000	4400		ug/L		88	78 - 124
2-Butanone (MEK)	ND		25000	28600		ug/L		114	57 - 140
2-Hexanone	ND		25000	25000		ug/L		100	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		25000	22800		ug/L		91	71 - 125

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-189085-1

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

Lab Sample ID: 480-189085-4 MS

Matrix: Water

Analysis Batch: 595264

Client Sample ID: IW-6-20210901

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		25000	31200		ug/L		125	56 - 142
Benzene	ND		5000	4640		ug/L		93	71 - 124
Bromodichloromethane	ND		5000	5110		ug/L		102	80 - 122
Bromoform	ND		5000	4410		ug/L		88	61 - 132
Bromomethane	ND		5000	4320		ug/L		86	55 - 144
Carbon disulfide	ND		5000	4060		ug/L		81	59 - 134
Carbon tetrachloride	ND		5000	4670		ug/L		93	72 - 134
Chlorobenzene	ND		5000	4570		ug/L		91	80 - 120
Chloroethane	ND		5000	4120		ug/L		82	69 - 136
Chloroform	ND		5000	4610		ug/L		92	73 - 127
Chloromethane	ND		5000	4010		ug/L		80	68 - 124
cis-1,2-Dichloroethene	ND		5000	4590		ug/L		92	74 - 124
cis-1,3-Dichloropropene	ND		5000	4640		ug/L		93	74 - 124
Cyclohexane	ND		5000	4120		ug/L		82	59 - 135
Dibromochloromethane	ND		5000	4900		ug/L		98	75 - 125
Dichlorodifluoromethane	ND		5000	3250		ug/L		65	59 - 135
Ethylbenzene	ND		5000	4220		ug/L		84	77 - 123
Isopropylbenzene	280		5000	4530		ug/L		85	77 - 122
Methyl acetate	ND		10000	10700		ug/L		107	74 - 133
Methyl tert-butyl ether	ND		5000	4880		ug/L		98	77 - 120
Methylcyclohexane	ND		5000	4060		ug/L		81	68 - 134
Methylene Chloride	260		5000	5140		ug/L		98	75 - 124
N-Propylbenzene	290		5000	4480		ug/L		84	75 - 127
Styrene	ND		5000	4500		ug/L		90	80 - 120
Tetrachloroethene	ND		5000	4560		ug/L		91	74 - 122
Toluene	ND		5000	4250		ug/L		85	80 - 122
trans-1,2-Dichloroethene	ND		5000	4490		ug/L		90	73 - 127
trans-1,3-Dichloropropene	ND		5000	4280		ug/L		86	80 - 120
Trichloroethene	ND		5000	4820		ug/L		96	74 - 123
Trichlorofluoromethane	ND		5000	4810		ug/L		96	62 - 150
Vinyl chloride	ND		5000	4040		ug/L		81	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	115		77 - 120
4-Bromofluorobenzene (Surr)	103		73 - 120
Dibromofluoromethane (Surr)	107		75 - 123
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: 480-189085-4 MSD

Matrix: Water

Analysis Batch: 595264

Client Sample ID: IW-6-20210901

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		5000	4800		ug/L		96	73 - 126	2	15
1,1,1,2-Tetrachloroethane	ND		5000	4760		ug/L		95	76 - 120	5	15
1,1,1,2-Trichloro-1,1,2,2-trifluoroethane	ND		5000	4230		ug/L		85	61 - 148	4	20
1,1,2-Trichloroethane	ND		5000	4550		ug/L		91	76 - 122	1	15
1,1-Dichloroethane	ND		5000	4720		ug/L		94	77 - 120	2	20

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-189085-1

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

Lab Sample ID: 480-189085-4 MSD

Matrix: Water

Analysis Batch: 595264

Client Sample ID: IW-6-20210901

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-Dichloroethene	ND		5000	4120		ug/L		82	66 - 127	6	16
1,2,4-Trichlorobenzene	ND		5000	4610		ug/L		92	79 - 122	1	20
1,2,4-Trimethylbenzene	4500		5000	9210		ug/L		94	76 - 121	1	20
1,2-Dibromo-3-Chloropropane	ND		5000	4660		ug/L		93	56 - 134	11	15
1,2-Dibromoethane	ND		5000	4940		ug/L		99	77 - 120	2	15
1,2-Dichlorobenzene	ND		5000	4610		ug/L		92	80 - 124	0	20
1,2-Dichloroethane	ND		5000	5120		ug/L		102	75 - 120	1	20
1,2-Dichloropropane	ND		5000	4450		ug/L		89	76 - 120	8	20
1,3,5-Trimethylbenzene	2200		5000	6700		ug/L		89	77 - 121	0	20
1,3-Dichlorobenzene	ND		5000	4720		ug/L		94	77 - 120	2	20
1,4-Dichlorobenzene	ND		5000	4660		ug/L		93	78 - 124	6	20
2-Butanone (MEK)	ND		25000	28100		ug/L		113	57 - 140	2	20
2-Hexanone	ND		25000	25100		ug/L		101	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	ND		25000	23100		ug/L		92	71 - 125	1	35
Acetone	ND		25000	30800		ug/L		123	56 - 142	1	15
Benzene	ND		5000	4570		ug/L		91	71 - 124	2	13
Bromodichloromethane	ND		5000	4860		ug/L		97	80 - 122	5	15
Bromoform	ND		5000	4800		ug/L		96	61 - 132	9	15
Bromomethane	ND		5000	4360		ug/L		87	55 - 144	1	15
Carbon disulfide	ND		5000	3970		ug/L		79	59 - 134	2	15
Carbon tetrachloride	ND		5000	4590		ug/L		92	72 - 134	2	15
Chlorobenzene	ND		5000	4500		ug/L		90	80 - 120	2	25
Chloroethane	ND		5000	4220		ug/L		84	69 - 136	2	15
Chloroform	ND		5000	4660		ug/L		93	73 - 127	1	20
Chloromethane	ND		5000	3880		ug/L		78	68 - 124	3	15
cis-1,2-Dichloroethene	ND		5000	4650		ug/L		93	74 - 124	1	15
cis-1,3-Dichloropropene	ND		5000	4570		ug/L		91	74 - 124	2	15
Cyclohexane	ND		5000	4110		ug/L		82	59 - 135	0	20
Dibromochloromethane	ND		5000	4830		ug/L		97	75 - 125	1	15
Dichlorodifluoromethane	ND		5000	3070		ug/L		61	59 - 135	6	20
Ethylbenzene	ND		5000	4210		ug/L		84	77 - 123	0	15
Isopropylbenzene	280		5000	4570		ug/L		86	77 - 122	1	20
Methyl acetate	ND		10000	11000		ug/L		110	74 - 133	2	20
Methyl tert-butyl ether	ND		5000	4910		ug/L		98	77 - 120	1	37
Methylcyclohexane	ND		5000	4030		ug/L		81	68 - 134	1	20
Methylene Chloride	260		5000	5200		ug/L		99	75 - 124	1	15
N-Propylbenzene	290		5000	4520		ug/L		85	75 - 127	1	15
Styrene	ND		5000	4570		ug/L		91	80 - 120	2	20
Tetrachloroethene	ND		5000	4410		ug/L		88	74 - 122	3	20
Toluene	ND		5000	4150		ug/L		83	80 - 122	2	15
trans-1,2-Dichloroethene	ND		5000	4440		ug/L		89	73 - 127	1	20
trans-1,3-Dichloropropene	ND		5000	4280		ug/L		86	80 - 120	0	15
Trichloroethene	ND		5000	4900		ug/L		98	74 - 123	2	16
Trichlorofluoromethane	ND		5000	4760		ug/L		95	62 - 150	1	20
Vinyl chloride	ND		5000	4190		ug/L		84	65 - 133	4	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	115		77 - 120

QC Sample Results

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

Job ID: 480-189085-1

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

Lab Sample ID: 480-189085-4 MSD

Matrix: Water

Analysis Batch: 595264

Client Sample ID: IW-6-20210901

Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		73 - 120
Dibromofluoromethane (Surr)	115		75 - 123
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: MB 480-595662/7

Matrix: Water

Analysis Batch: 595662

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			09/09/21 10:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/09/21 10:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/09/21 10:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/09/21 10:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/09/21 10:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/09/21 10:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/09/21 10:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/09/21 10:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/09/21 10:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/09/21 10:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/09/21 10:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/09/21 10:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/09/21 10:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/09/21 10:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/09/21 10:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/09/21 10:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/09/21 10:32	1
2-Hexanone	ND		5.0	1.2	ug/L			09/09/21 10:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/09/21 10:32	1
Acetone	ND		10	3.0	ug/L			09/09/21 10:32	1
Benzene	ND		1.0	0.41	ug/L			09/09/21 10:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/09/21 10:32	1
Bromoform	ND		1.0	0.26	ug/L			09/09/21 10:32	1
Bromomethane	ND		1.0	0.69	ug/L			09/09/21 10:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/09/21 10:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/09/21 10:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/09/21 10:32	1
Chloroethane	ND		1.0	0.32	ug/L			09/09/21 10:32	1
Chloroform	ND		1.0	0.34	ug/L			09/09/21 10:32	1
Chloromethane	ND		1.0	0.35	ug/L			09/09/21 10:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/09/21 10:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/09/21 10:32	1
Cyclohexane	ND		1.0	0.18	ug/L			09/09/21 10:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/09/21 10:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/09/21 10:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/09/21 10:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/09/21 10:32	1
Methyl acetate	ND		2.5	1.3	ug/L			09/09/21 10:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/09/21 10:32	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-189085-1

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

Lab Sample ID: MB 480-595662/7

Matrix: Water

Analysis Batch: 595662

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		1.0	0.16	ug/L			09/09/21 10:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/09/21 10:32	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/09/21 10:32	1
Styrene	ND		1.0	0.73	ug/L			09/09/21 10:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/09/21 10:32	1
Toluene	ND		1.0	0.51	ug/L			09/09/21 10:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/09/21 10:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/09/21 10:32	1
Trichloroethene	ND		1.0	0.46	ug/L			09/09/21 10:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/09/21 10:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/09/21 10:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/09/21 10:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		09/09/21 10:32	1
4-Bromofluorobenzene (Surr)	98		73 - 120		09/09/21 10:32	1
Dibromofluoromethane (Surr)	107		75 - 123		09/09/21 10:32	1
Toluene-d8 (Surr)	97		80 - 120		09/09/21 10:32	1

Lab Sample ID: LCS 480-595662/5

Matrix: Water

Analysis Batch: 595662

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	21.7		ug/L		87	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.0		ug/L		100	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	17.9		ug/L		72	61 - 148
1,1,2-Trichloroethane	25.0	23.0		ug/L		92	76 - 122
1,1-Dichloroethane	25.0	25.1		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	22.4		ug/L		90	66 - 127
1,2,4-Trichlorobenzene	25.0	27.5		ug/L		110	79 - 122
1,2,4-Trimethylbenzene	25.0	25.4		ug/L		102	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	25.1		ug/L		100	56 - 134
1,2-Dibromoethane	25.0	25.8		ug/L		103	77 - 120
1,2-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	22.7		ug/L		91	75 - 120
1,2-Dichloropropane	25.0	24.4		ug/L		98	76 - 120
1,3,5-Trimethylbenzene	25.0	25.1		ug/L		100	77 - 121
1,3-Dichlorobenzene	25.0	26.0		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	25.1		ug/L		100	80 - 120
2-Butanone (MEK)	125	138		ug/L		110	57 - 140
2-Hexanone	125	145		ug/L		116	65 - 127
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	71 - 125
Acetone	125	151		ug/L		121	56 - 142
Benzene	25.0	23.7		ug/L		95	71 - 124
Bromodichloromethane	25.0	22.1		ug/L		88	80 - 122
Bromoform	25.0	24.4		ug/L		98	61 - 132
Bromomethane	25.0	23.0		ug/L		92	55 - 144

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-189085-1

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

Lab Sample ID: LCS 480-595662/5

Matrix: Water

Analysis Batch: 595662

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	25.0	20.2		ug/L		81	59 - 134
Carbon tetrachloride	25.0	20.5		ug/L		82	72 - 134
Chlorobenzene	25.0	24.1		ug/L		96	80 - 120
Chloroethane	25.0	25.4		ug/L		101	69 - 136
Chloroform	25.0	23.4		ug/L		94	73 - 127
Chloromethane	25.0	22.7		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	25.1		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	24.8		ug/L		99	74 - 124
Cyclohexane	25.0	18.1		ug/L		73	59 - 135
Dibromochloromethane	25.0	22.4		ug/L		90	75 - 125
Dichlorodifluoromethane	25.0	20.2		ug/L		81	59 - 135
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
Isopropylbenzene	25.0	24.8		ug/L		99	77 - 122
Methyl acetate	50.0	50.6		ug/L		101	74 - 133
Methyl tert-butyl ether	25.0	28.4		ug/L		114	77 - 120
Methylcyclohexane	25.0	18.9		ug/L		75	68 - 134
Methylene Chloride	25.0	23.4		ug/L		94	75 - 124
N-Propylbenzene	25.0	25.1		ug/L		100	75 - 127
Styrene	25.0	24.6		ug/L		98	80 - 120
Tetrachloroethene	25.0	22.4		ug/L		90	74 - 122
Toluene	25.0	22.6		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	25.7		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	24.8		ug/L		99	80 - 120
Trichloroethene	25.0	22.7		ug/L		91	74 - 123
Trichlorofluoromethane	25.0	21.7		ug/L		87	62 - 150
Vinyl chloride	25.0	24.0		ug/L		96	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	110		73 - 120
Dibromofluoromethane (Surr)	111		75 - 123
Toluene-d8 (Surr)	102		80 - 120

Definitions/Glossary

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

Job ID: 480-189085-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

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

Job ID: 480-189085-1

GC/MS VOA

Analysis Batch: 595264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-189085-1	GT-9R-20210831	Total/NA	Water	8260C	
480-189085-2	IW-3-20210901	Total/NA	Water	8260C	
480-189085-4	IW-6-20210901	Total/NA	Water	8260C	
480-189085-5	FB-20210901	Total/NA	Water	8260C	
480-189085-6	GT-16-20210901	Total/NA	Water	8260C	
480-189085-7	GT-14-20210901	Total/NA	Water	8260C	
480-189085-8	VRI-4-20210901	Total/NA	Water	8260C	
480-189085-9	VRI-3-20210901	Total/NA	Water	8260C	
480-189085-10	VRI-9-20210901	Total/NA	Water	8260C	
480-189085-11	Duplicate-20210901	Total/NA	Water	8260C	
480-189085-12	Trip Blank	Total/NA	Water	8260C	
MB 480-595264/8	Method Blank	Total/NA	Water	8260C	
LCS 480-595264/6	Lab Control Sample	Total/NA	Water	8260C	
480-189085-4 MS	IW-6-20210901	Total/NA	Water	8260C	
480-189085-4 MSD	IW-6-20210901	Total/NA	Water	8260C	

Analysis Batch: 595662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-189085-2 - DL	IW-3-20210901	Total/NA	Water	8260C	
480-189085-3	VRI-1-20210901	Total/NA	Water	8260C	
MB 480-595662/7	Method Blank	Total/NA	Water	8260C	
LCS 480-595662/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

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

Job ID: 480-189085-1

Client Sample ID: GT-9R-20210831

Lab Sample ID: 480-189085-1

Date Collected: 08/31/21 16:10

Matrix: Water

Date Received: 09/03/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	595264	09/04/21 05:15	AXK	TAL BUF

Client Sample ID: IW-3-20210901

Lab Sample ID: 480-189085-2

Date Collected: 09/01/21 11:15

Matrix: Water

Date Received: 09/03/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C	DL	5	595662	09/09/21 12:12	AXK	TAL BUF
Total/NA	Analysis	8260C		2	595264	09/04/21 05:38	AXK	TAL BUF

Client Sample ID: VRI-1-20210901

Lab Sample ID: 480-189085-3

Date Collected: 09/01/21 09:40

Matrix: Water

Date Received: 09/03/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	595662	09/09/21 12:35	AXK	TAL BUF

Client Sample ID: IW-6-20210901

Lab Sample ID: 480-189085-4

Date Collected: 09/01/21 11:10

Matrix: Water

Date Received: 09/03/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	595264	09/04/21 06:24	AXK	TAL BUF

Client Sample ID: FB-20210901

Lab Sample ID: 480-189085-5

Date Collected: 09/01/21 14:15

Matrix: Water

Date Received: 09/03/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	595264	09/04/21 06:47	AXK	TAL BUF

Client Sample ID: GT-16-20210901

Lab Sample ID: 480-189085-6

Date Collected: 09/01/21 14:25

Matrix: Water

Date Received: 09/03/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	595264	09/04/21 07:10	AXK	TAL BUF

Client Sample ID: GT-14-20210901

Lab Sample ID: 480-189085-7

Date Collected: 09/01/21 15:55

Matrix: Water

Date Received: 09/03/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	595264	09/04/21 07:33	AXK	TAL BUF

Lab Chronicle

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

Job ID: 480-189085-1

Client Sample ID: VRI-4-20210901

Lab Sample ID: 480-189085-8

Date Collected: 09/01/21 14:45

Matrix: Water

Date Received: 09/03/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	595264	09/04/21 07:56	AXK	TAL BUF

Client Sample ID: VRI-3-20210901

Lab Sample ID: 480-189085-9

Date Collected: 09/01/21 16:40

Matrix: Water

Date Received: 09/03/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	595264	09/04/21 08:19	AXK	TAL BUF

Client Sample ID: VRI-9-20210901

Lab Sample ID: 480-189085-10

Date Collected: 09/01/21 16:45

Matrix: Water

Date Received: 09/03/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	595264	09/04/21 08:43	AXK	TAL BUF

Client Sample ID: Duplicate-20210901

Lab Sample ID: 480-189085-11

Date Collected: 09/01/21 12:00

Matrix: Water

Date Received: 09/03/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	595264	09/04/21 09:06	AXK	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-189085-12

Date Collected: 09/01/21 00:00

Matrix: Water

Date Received: 09/03/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	595264	09/04/21 09:29	AXK	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 480-189085-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

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 #
GT-9R-20210831	480-189085-1	115	120	103	100
IW-3-20210901	480-189085-2	103	115	101	104
IW-3-20210901 DL	480-189085-2 DL	107	103	102	102
VRI-1-20210901	480-189085-3	105	98	104	105
IW-6-20210901	480-189085-4	110	112	102	103
FB-20210901	480-189085-5	114	117	103	103
GT-16-20210901	480-189085-6	115	118	104	105
GT-14-20210901	480-189085-7	109	118	104	100
VRI-4-20210901	480-189085-8	111	112	101	101
VRI-3-20210901	480-189085-9	109	110	101	99
VRI-9-20210901	480-189085-10	111	114	104	110
Duplicate-20210901	480-189085-11	114	120	99	101
Trip Blank	480-189085-12	106	114	103	104
	MB 480-595264/8	107	113	101	106
	MB 480-595662/7	107	103	97	98
	LCS 480-595264/6	109	112	101	100
	LCS 480-595662/5	111	101	102	110
IW-6-20210901 MS	480-189085-4 MS	107	115	103	103
IW-6-20210901 MSD	480-189085-4 MSD	115	115	101	103

	<u>QC LIMITS</u>
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 TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N5765.D
 Lab ID: LCS 480-595264/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	23.6	94	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.7	95	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.2	85	61-148	
1,1,2-Trichloroethane	25.0	22.5	90	76-122	
1,1-Dichloroethane	25.0	23.0	92	77-120	
1,1-Dichloroethene	25.0	20.3	81	66-127	
1,2,4-Trichlorobenzene	25.0	23.1	92	79-122	
1,2,4-Trimethylbenzene	25.0	22.8	91	76-121	
1,2-Dibromo-3-Chloropropane	25.0	19.8	79	56-134	
1,2-Dibromoethane	25.0	24.7	99	77-120	
1,2-Dichlorobenzene	25.0	23.6	95	80-124	
1,2-Dichloroethane	25.0	24.5	98	75-120	
1,2-Dichloropropane	25.0	23.0	92	76-120	
1,3,5-Trimethylbenzene	25.0	23.1	92	77-121	
1,3-Dichlorobenzene	25.0	23.5	94	77-120	
1,4-Dichlorobenzene	25.0	23.2	93	80-120	
2-Butanone (MEK)	125	136	109	57-140	
2-Hexanone	125	130	104	65-127	
4-Methyl-2-pentanone (MIBK)	125	116	93	71-125	
Acetone	125	156	124	56-142	
Benzene	25.0	22.9	92	71-124	
Bromodichloromethane	25.0	23.4	93	80-122	
Bromoform	25.0	21.6	86	61-132	
Bromomethane	25.0	16.9	67	55-144	
Carbon disulfide	25.0	18.6	74	59-134	
Carbon tetrachloride	25.0	22.4	90	72-134	
Chlorobenzene	25.0	23.1	92	80-120	
Chloroethane	25.0	17.9	72	69-136	
Chloroform	25.0	22.8	91	73-127	
Chloromethane	25.0	18.6	74	68-124	
cis-1,2-Dichloroethene	25.0	22.3	89	74-124	
cis-1,3-Dichloropropene	25.0	23.6	94	74-124	
Cyclohexane	25.0	21.7	87	59-135	
Dibromochloromethane	25.0	24.0	96	75-125	
Dichlorodifluoromethane	25.0	15.2	61	59-135	
Ethylbenzene	25.0	21.9	88	77-123	
Isopropylbenzene	25.0	22.6	91	77-122	
Methyl acetate	50.0	50.7	101	74-133	
Methyl tert-butyl ether	25.0	22.9	92	77-120	
Methylcyclohexane	25.0	20.8	83	68-134	
Methylene Chloride	25.0	23.0	92	75-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N5765.D
 Lab ID: LCS 480-595264/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
N-Propylbenzene	25.0	22.5	90	75-127	
Styrene	25.0	22.4	89	80-120	
Tetrachloroethene	25.0	23.1	92	74-122	
Toluene	25.0	21.8	87	80-122	
trans-1,2-Dichloroethene	25.0	22.2	89	73-127	
trans-1,3-Dichloropropene	25.0	22.3	89	80-120	
Trichloroethene	25.0	24.8	99	74-123	
Trichlorofluoromethane	25.0	21.7	87	62-150	
Vinyl chloride	25.0	17.1	68	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C7451.D
 Lab ID: LCS 480-595662/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	21.7	87	73-126	
1,1,2,2-Tetrachloroethane	25.0	25.0	100	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	17.9	72	61-148	
1,1,2-Trichloroethane	25.0	23.0	92	76-122	
1,1-Dichloroethane	25.0	25.1	100	77-120	
1,1-Dichloroethene	25.0	22.4	90	66-127	
1,2,4-Trichlorobenzene	25.0	27.5	110	79-122	
1,2,4-Trimethylbenzene	25.0	25.4	102	76-121	
1,2-Dibromo-3-Chloropropane	25.0	25.1	100	56-134	
1,2-Dibromoethane	25.0	25.8	103	77-120	
1,2-Dichlorobenzene	25.0	25.7	103	80-124	
1,2-Dichloroethane	25.0	22.7	91	75-120	
1,2-Dichloropropane	25.0	24.4	98	76-120	
1,3,5-Trimethylbenzene	25.0	25.1	100	77-121	
1,3-Dichlorobenzene	25.0	26.0	104	77-120	
1,4-Dichlorobenzene	25.0	25.1	100	80-120	
2-Butanone (MEK)	125	138	110	57-140	
2-Hexanone	125	145	116	65-127	
4-Methyl-2-pentanone (MIBK)	125	130	104	71-125	
Acetone	125	151	121	56-142	
Benzene	25.0	23.7	95	71-124	
Bromodichloromethane	25.0	22.1	88	80-122	
Bromoform	25.0	24.4	98	61-132	
Bromomethane	25.0	23.0	92	55-144	
Carbon disulfide	25.0	20.2	81	59-134	
Carbon tetrachloride	25.0	20.5	82	72-134	
Chlorobenzene	25.0	24.1	96	80-120	
Chloroethane	25.0	25.4	101	69-136	
Chloroform	25.0	23.4	94	73-127	
Chloromethane	25.0	22.7	91	68-124	
cis-1,2-Dichloroethene	25.0	25.1	100	74-124	
cis-1,3-Dichloropropene	25.0	24.8	99	74-124	
Cyclohexane	25.0	18.1	73	59-135	
Dibromochloromethane	25.0	22.4	90	75-125	
Dichlorodifluoromethane	25.0	20.2	81	59-135	
Ethylbenzene	25.0	24.3	97	77-123	
Isopropylbenzene	25.0	24.8	99	77-122	
Methyl acetate	50.0	50.6	101	74-133	
Methyl tert-butyl ether	25.0	28.4	114	77-120	
Methylcyclohexane	25.0	18.9	75	68-134	
Methylene Chloride	25.0	23.4	94	75-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C7451.D
 Lab ID: LCS 480-595662/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
N-Propylbenzene	25.0	25.1	100	75-127	
Styrene	25.0	24.6	98	80-120	
Tetrachloroethene	25.0	22.4	90	74-122	
Toluene	25.0	22.6	90	80-122	
trans-1,2-Dichloroethene	25.0	25.7	103	73-127	
trans-1,3-Dichloropropene	25.0	24.8	99	80-120	
Trichloroethene	25.0	22.7	91	74-123	
Trichlorofluoromethane	25.0	21.7	87	62-150	
Vinyl chloride	25.0	24.0	96	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-189085-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: N5789.D

Lab ID: 480-189085-4 MS

Client ID: IW-6-20210901 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	5000	ND	4710	94	73-126	
1,1,2,2-Tetrachloroethane	5000	ND	4530	91	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	5000	ND	4060	81	61-148	
1,1,2-Trichloroethane	5000	ND	4610	92	76-122	
1,1-Dichloroethane	5000	ND	4610	92	77-120	
1,1-Dichloroethene	5000	ND	3870	77	66-127	
1,2,4-Trichlorobenzene	5000	ND	4670	93	79-122	
1,2,4-Trimethylbenzene	5000	4500	9080	91	76-121	
1,2-Dibromo-3-Chloropropane	5000	ND	4170	83	56-134	
1,2-Dibromoethane	5000	ND	4860	97	77-120	
1,2-Dichlorobenzene	5000	ND	4630	93	80-124	
1,2-Dichloroethane	5000	ND	5180	104	75-120	
1,2-Dichloropropane	5000	ND	4850	97	76-120	
1,3,5-Trimethylbenzene	5000	2200	6700	89	77-121	
1,3-Dichlorobenzene	5000	ND	4610	92	77-120	
1,4-Dichlorobenzene	5000	ND	4400	88	78-124	
2-Butanone (MEK)	25000	ND	28600	114	57-140	
2-Hexanone	25000	ND	25000	100	65-127	
4-Methyl-2-pentanone (MIBK)	25000	ND	22800	91	71-125	
Acetone	25000	ND	31200	125	56-142	
Benzene	5000	ND	4640	93	71-124	
Bromodichloromethane	5000	ND	5110	102	80-122	
Bromoform	5000	ND	4410	88	61-132	
Bromomethane	5000	ND	4320	86	55-144	
Carbon disulfide	5000	ND	4060	81	59-134	
Carbon tetrachloride	5000	ND	4670	93	72-134	
Chlorobenzene	5000	ND	4570	91	80-120	
Chloroethane	5000	ND	4120	82	69-136	
Chloroform	5000	ND	4610	92	73-127	
Chloromethane	5000	ND	4010	80	68-124	
cis-1,2-Dichloroethene	5000	ND	4590	92	74-124	
cis-1,3-Dichloropropene	5000	ND	4640	93	74-124	
Cyclohexane	5000	ND	4120	82	59-135	
Dibromochloromethane	5000	ND	4900	98	75-125	
Dichlorodifluoromethane	5000	ND	3250	65	59-135	
Ethylbenzene	5000	ND	4220	84	77-123	
Isopropylbenzene	5000	280	4530	85	77-122	
Methyl acetate	10000	ND	10700	107	74-133	
Methyl tert-butyl ether	5000	ND	4880	98	77-120	
Methylcyclohexane	5000	ND	4060	81	68-134	
Methylene Chloride	5000	260	5140	98	75-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: N5789.D
Lab ID: 480-189085-4 MS Client ID: IW-6-20210901 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
N-Propylbenzene	5000	290	4480	84	75-127	
Styrene	5000	ND	4500	90	80-120	
Tetrachloroethene	5000	ND	4560	91	74-122	
Toluene	5000	ND	4250	85	80-122	
trans-1,2-Dichloroethene	5000	ND	4490	90	73-127	
trans-1,3-Dichloropropene	5000	ND	4280	86	80-120	
Trichloroethene	5000	ND	4820	96	74-123	
Trichlorofluoromethane	5000	ND	4810	96	62-150	
Vinyl chloride	5000	ND	4040	81	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-189085-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: N5790.D

Lab ID: 480-189085-4 MSD

Client ID: IW-6-20210901 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	5000	4800	96	2	15	73-126	
1,1,2,2-Tetrachloroethane	5000	4760	95	5	15	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	5000	4230	85	4	20	61-148	
1,1,2-Trichloroethane	5000	4550	91	1	15	76-122	
1,1-Dichloroethane	5000	4720	94	2	20	77-120	
1,1-Dichloroethene	5000	4120	82	6	16	66-127	
1,2,4-Trichlorobenzene	5000	4610	92	1	20	79-122	
1,2,4-Trimethylbenzene	5000	9210	94	1	20	76-121	
1,2-Dibromo-3-Chloropropane	5000	4660	93	11	15	56-134	
1,2-Dibromoethane	5000	4940	99	2	15	77-120	
1,2-Dichlorobenzene	5000	4610	92	0	20	80-124	
1,2-Dichloroethane	5000	5120	102	1	20	75-120	
1,2-Dichloropropane	5000	4450	89	8	20	76-120	
1,3,5-Trimethylbenzene	5000	6700	89	0	20	77-121	
1,3-Dichlorobenzene	5000	4720	94	2	20	77-120	
1,4-Dichlorobenzene	5000	4660	93	6	20	78-124	
2-Butanone (MEK)	25000	28100	113	2	20	57-140	
2-Hexanone	25000	25100	101	1	15	65-127	
4-Methyl-2-pentanone (MIBK)	25000	23100	92	1	35	71-125	
Acetone	25000	30800	123	1	15	56-142	
Benzene	5000	4570	91	2	13	71-124	
Bromodichloromethane	5000	4860	97	5	15	80-122	
Bromoform	5000	4800	96	9	15	61-132	
Bromomethane	5000	4360	87	1	15	55-144	
Carbon disulfide	5000	3970	79	2	15	59-134	
Carbon tetrachloride	5000	4590	92	2	15	72-134	
Chlorobenzene	5000	4500	90	2	25	80-120	
Chloroethane	5000	4220	84	2	15	69-136	
Chloroform	5000	4660	93	1	20	73-127	
Chloromethane	5000	3880	78	3	15	68-124	
cis-1,2-Dichloroethene	5000	4650	93	1	15	74-124	
cis-1,3-Dichloropropene	5000	4570	91	2	15	74-124	
Cyclohexane	5000	4110	82	0	20	59-135	
Dibromochloromethane	5000	4830	97	1	15	75-125	
Dichlorodifluoromethane	5000	3070	61	6	20	59-135	
Ethylbenzene	5000	4210	84	0	15	77-123	
Isopropylbenzene	5000	4570	86	1	20	77-122	
Methyl acetate	10000	11000	110	2	20	74-133	
Methyl tert-butyl ether	5000	4910	98	1	37	77-120	
Methylcyclohexane	5000	4030	81	1	20	68-134	
Methylene Chloride	5000	5200	99	1	15	75-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N5790.D
 Lab ID: 480-189085-4 MSD Client ID: IW-6-20210901 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
N-Propylbenzene	5000	4520	85	1	15	75-127	
Styrene	5000	4570	91	2	20	80-120	
Tetrachloroethene	5000	4410	88	3	20	74-122	
Toluene	5000	4150	83	2	15	80-122	
trans-1,2-Dichloroethene	5000	4440	89	1	20	73-127	
trans-1,3-Dichloropropene	5000	4280	86	0	15	80-120	
Trichloroethene	5000	4900	98	2	16	74-123	
Trichlorofluoromethane	5000	4760	95	1	20	62-150	
Vinyl chloride	5000	4190	84	4	15	65-133	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Lab File ID: N5767.D Lab Sample ID: MB 480-595264/8
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: HP5973N Date Analyzed: 09/04/2021 01:22
 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 480-595264/6	N5765.D	09/04/2021 00:36
GT-9R-20210831	480-189085-1	N5777.D	09/04/2021 05:15
IW-3-20210901	480-189085-2	N5778.D	09/04/2021 05:38
IW-6-20210901	480-189085-4	N5780.D	09/04/2021 06:24
FB-20210901	480-189085-5	N5781.D	09/04/2021 06:47
GT-16-20210901	480-189085-6	N5782.D	09/04/2021 07:10
GT-14-20210901	480-189085-7	N5783.D	09/04/2021 07:33
VRI-4-20210901	480-189085-8	N5784.D	09/04/2021 07:56
VRI-3-20210901	480-189085-9	N5785.D	09/04/2021 08:19
VRI-9-20210901	480-189085-10	N5786.D	09/04/2021 08:43
Duplicate-20210901	480-189085-11	N5787.D	09/04/2021 09:06
Trip Blank	480-189085-12	N5788.D	09/04/2021 09:29
IW-6-20210901 MS	480-189085-4 MS	N5789.D	09/04/2021 09:52
IW-6-20210901 MSD	480-189085-4 MSD	N5790.D	09/04/2021 10:15

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
SDG No.: _____
Lab File ID: C7453.D Lab Sample ID: MB 480-595662/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973C Date Analyzed: 09/09/2021 10:32
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 480-595662/5	C7451.D	09/09/2021 09:46
IW-3-20210901 DL	480-189085-2 DL	C7457.D	09/09/2021 12:12
VRI-1-20210901	480-189085-3	C7458.D	09/09/2021 12:35

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
SDG No.: _____
Lab File ID: C7185.D BFB Injection Date: 09/01/2021
Instrument ID: HP5973C BFB Injection Time: 14:15
Analysis Batch No.: 594935

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	24.3
75	30.0 - 60.0 % of mass 95	46.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	78.6
175	5.0 - 9.0 % of mass 174	6.1 (7.7) 1
176	95.0 - 101.0 % of mass 174	78.2 (99.5) 1
177	5.0 - 9.0 % of mass 176	4.8 (6.1) 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 480-594935/16	C7187.D	09/01/2021	15:06
	IC 480-594935/17	C7188.D	09/01/2021	15:29
	IC 480-594935/18	C7189.D	09/01/2021	15:52
	IC 480-594935/19	C7190.D	09/01/2021	16:15
	IC 480-594935/20	C7191.D	09/01/2021	16:38
	ICIS 480-594935/21	C7192.D	09/01/2021	17:01
	IC 480-594935/22	C7193.D	09/01/2021	17:23
	IC 480-594935/23	C7194.D	09/01/2021	17:46
	ICV 480-594935/37	C7208.D	09/01/2021	23:05

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Lab File ID: C7448.D BFB Injection Date: 09/09/2021
 Instrument ID: HP5973C BFB Injection Time: 08:36
 Analysis Batch No.: 595662

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.7
75	30.0 - 60.0 % of mass 95	44.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.2
173	Less than 2.0 % of mass 174	0.4 (0.4) 1
174	Greater than 50% of mass 95	82.0
175	5.0 - 9.0 % of mass 174	5.7 (6.9) 1
176	95.0 - 101.0 % of mass 174	78.4 (95.5) 1
177	5.0 - 9.0 % of mass 176	4.8 (6.1) 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 480-595662/3	C7449.D	09/09/2021	9:01
	LCS 480-595662/5	C7451.D	09/09/2021	9:46
	MB 480-595662/7	C7453.D	09/09/2021	10:32
IW-3-20210901 DL	480-189085-2 DL	C7457.D	09/09/2021	12:12
VRI-1-20210901	480-189085-3	C7458.D	09/09/2021	12:35

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Lab File ID: N5350.D BFB Injection Date: 08/26/2021
 Instrument ID: HP5973N BFB Injection Time: 11:52
 Analysis Batch No.: 594200

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	32.9
75	30.0 - 60.0 % of mass 95	47.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.5
173	Less than 2.0 % of mass 174	0.4 (0.5) 1
174	Greater than 50% of mass 95	88.7
175	5.0 - 9.0 % of mass 174	7.4 (8.4) 1
176	95.0 - 101.0 % of mass 174	87.2 (98.3) 1
177	5.0 - 9.0 % of mass 176	5.8 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-594200/7	N5352.D	08/26/2021	12:40
	IC 480-594200/8	N5353.D	08/26/2021	13:03
	IC 480-594200/9	N5354.D	08/26/2021	13:26
	IC 480-594200/10	N5355.D	08/26/2021	13:49
	IC 480-594200/11	N5356.D	08/26/2021	14:12
	ICIS 480-594200/12	N5357.D	08/26/2021	14:35
	IC 480-594200/13	N5358.D	08/26/2021	14:58
	IC 480-594200/14	N5359.D	08/26/2021	15:22
	ICV 480-594200/28	N5373.D	08/26/2021	20:46

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
SDG No.: _____
Lab File ID: N5762.D BFB Injection Date: 09/03/2021
Instrument ID: HP5973N BFB Injection Time: 23:25
Analysis Batch No.: 595264

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	30.5
75	30.0 - 60.0 % of mass 95	49.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.4
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	82.3
175	5.0 - 9.0 % of mass 174	6.3 (7.6) 1
176	95.0 - 101.0 % of mass 174	78.6 (95.5) 1
177	5.0 - 9.0 % of mass 176	5.0 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-595264/4	N5763.D	09/03/2021	23:48
	LCS 480-595264/6	N5765.D	09/04/2021	0:36
	MB 480-595264/8	N5767.D	09/04/2021	1:22
GT-9R-20210831	480-189085-1	N5777.D	09/04/2021	5:15
IW-3-20210901	480-189085-2	N5778.D	09/04/2021	5:38
IW-6-20210901	480-189085-4	N5780.D	09/04/2021	6:24
FB-20210901	480-189085-5	N5781.D	09/04/2021	6:47
GT-16-20210901	480-189085-6	N5782.D	09/04/2021	7:10
GT-14-20210901	480-189085-7	N5783.D	09/04/2021	7:33
VRI-4-20210901	480-189085-8	N5784.D	09/04/2021	7:56
VRI-3-20210901	480-189085-9	N5785.D	09/04/2021	8:19
VRI-9-20210901	480-189085-10	N5786.D	09/04/2021	8:43
Duplicate-20210901	480-189085-11	N5787.D	09/04/2021	9:06
Trip Blank	480-189085-12	N5788.D	09/04/2021	9:29
IW-6-20210901 MS	480-189085-4 MS	N5789.D	09/04/2021	9:52
IW-6-20210901 MSD	480-189085-4 MSD	N5790.D	09/04/2021	10:15

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Sample No.: ICIS 480-594935/21 Date Analyzed: 09/01/2021 17:01
 Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): C7192.D Heated Purge: (Y/N) N
 Calibration ID: 42361

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	146070	4.80	307186	7.11	372807	8.98	
UPPER LIMIT	292140	5.30	614372	7.61	745614	9.48	
LOWER LIMIT	73035	4.30	153593	6.61	186404	8.48	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-594935/37		138778	4.80	290648	7.11	390892	8.98
CCVIS 480-595662/3		153880	4.80	309396	7.11	369303	8.98

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

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Sample No.: CCVIS 480-595662/3 Date Analyzed: 09/09/2021 09:01
 Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): C7449.D Heated Purge: (Y/N) N
 Calibration ID: 42364

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	153880	4.80	309396	7.11	369303	8.98	
UPPER LIMIT	307760	5.30	618792	7.61	738606	9.48	
LOWER LIMIT	76940	4.30	154698	6.61	184652	8.48	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-595662/5		135995	4.80	287781	7.11	348736	8.98
MB 480-595662/7		141425	4.80	315365	7.11	388099	8.98
480-189085-2 DL	IW-3-20210901 DL	150758	4.80	298225	7.11	360051	8.98
480-189085-3	VRI-1-20210901	150389	4.80	302242	7.11	377236	8.98

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

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Sample No.: ICIS 480-594200/12 Date Analyzed: 08/26/2021 14:35
 Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): N5357.D Heated Purge: (Y/N) N
 Calibration ID: 42327

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	154502	5.41	561213	8.41	306828	10.80	
UPPER LIMIT	309004	5.91	1122426	8.91	613656	11.30	
LOWER LIMIT	77251	4.91	280607	7.91	153414	10.30	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-594200/28		160753	5.41	589311	8.41	315024	10.80
CCVIS 480-595264/4		105662	5.41	412232	8.40	222432	10.80

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

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Sample No.: CCVIS 480-595264/4 Date Analyzed: 09/03/2021 23:48
 Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): N5763.D Heated Purge: (Y/N) N
 Calibration ID: 42329

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		105662	5.41	412232	8.40	222432	10.80
UPPER LIMIT		211324	5.91	824464	8.90	444864	11.30
LOWER LIMIT		52831	4.91	206116	7.90	111216	10.30
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-595264/6		128421	5.41	503501	8.41	260004	10.80
MB 480-595264/8		113720	5.41	450830	8.41	246708	10.80
480-189085-1	GT-9R-20210831	106342	5.41	432187	8.41	232902	10.80
480-189085-2	IW-3-20210901	116567	5.41	453110	8.41	247396	10.80
480-189085-4	IW-6-20210901	114821	5.41	451067	8.41	248472	10.80
480-189085-5	FB-20210901	111369	5.41	434922	8.41	231690	10.80
480-189085-6	GT-16-20210901	109696	5.41	413343	8.41	226718	10.80
480-189085-7	GT-14-20210901	110891	5.41	435116	8.41	228503	10.80
480-189085-8	VRI-4-20210901	106454	5.41	383655	8.41	214678	10.80
480-189085-9	VRI-3-20210901	113495	5.41	430100	8.40	231805	10.80
480-189085-10	VRI-9-20210901	112106	5.41	423814	8.41	225949	10.80
480-189085-11	Duplicate-20210901	104220	5.41	406826	8.41	219525	10.80
480-189085-12	Trip Blank	112034	5.41	428438	8.41	235251	10.80
480-189085-4 MS	IW-6-20210901 MS	107918	5.41	439804	8.41	240132	10.80
480-189085-4 MSD	IW-6-20210901 MSD	109824	5.41	448245	8.41	240574	10.80

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

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: GT-9R-20210831 Lab Sample ID: 480-189085-1
 Matrix: Water Lab File ID: N5777.D
 Analysis Method: 8260C Date Collected: 08/31/2021 16:10
 Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 05:15
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 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	15		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	17		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
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: GT-9R-20210831 Lab Sample ID: 480-189085-1
 Matrix: Water Lab File ID: N5777.D
 Analysis Method: 8260C Date Collected: 08/31/2021 16:10
 Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 05:15
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	2.5		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	2.0		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	15		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	115		75-123
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5777.D
 Lims ID: 480-189085-A-1
 Client ID: GT-9R-20210831
 Sample Type: Client
 Inject. Date: 04-Sep-2021 05:15:30 ALS Bottle#: 48 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-189085-A-1
 Misc. Info.: 480-0100806-018
 Operator ID: AK/LH Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Sep-2021 09:21:38 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1604

First Level Reviewer: kiwana

Date: 07-Sep-2021 09:21:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.412	5.406	0.006	97	106342	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.399	0.006	89	432187	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	95	232902	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	93	157800	28.8	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.138	5.139	-0.001	98	210313	30.0	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	550793	25.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	89	165713	25.1	
11 Dichlorodifluoromethane	85		1.282				ND	
13 Chloromethane	50		1.452				ND	
14 Vinyl chloride	62		1.549				ND	
15 Bromomethane	94		1.854				ND	
16 Chloroethane	64		1.933				ND	
18 Trichlorofluoromethane	101		2.164				ND	
21 112TCTFE	101		2.650				ND	
22 1,1-Dichloroethene	96		2.657				ND	
23 Acetone	43		2.772				ND	
25 Carbon disulfide	76		2.857				ND	
28 Methyl acetate	43		3.070				ND	
30 Methylene Chloride	84		3.168				ND	
32 Methyl tert-butyl ether	73		3.381				ND	
33 trans-1,2-Dichloroethene	96		3.393				ND	
36 1,1-Dichloroethane	63		3.812				ND	
43 cis-1,2-Dichloroethene	96		4.366				ND	
44 2-Butanone (MEK)	43		4.403				ND	
50 Chloroform	83		4.676				ND	
51 1,1,1-Trichloroethane	97		4.792				ND	
52 Cyclohexane	56		4.798				ND	
53 Carbon tetrachloride	117		4.926				ND	
55 Benzene	78		5.145				ND	
57 1,2-Dichloroethane	62		5.212				ND	
60 Trichloroethene	95		5.753				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.869				ND	
63 1,2-Dichloropropane	63		5.996				ND	
67 Dichlorobromomethane	83		6.282				ND	
71 cis-1,3-Dichloropropene	75		6.702				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.848				ND	
73 Toluene	92		6.982				ND	
75 trans-1,3-Dichloropropene	75		7.268				ND	
78 1,1,2-Trichloroethane	83		7.457				ND	
79 Tetrachloroethene	166		7.511				ND	
82 2-Hexanone	43		7.688				ND	
83 Chlorodibromomethane	129		7.852				ND	
84 Ethylene Dibromide	107		7.961				ND	
85 Chlorobenzene	112		8.430				ND	
88 Ethylbenzene	91		8.527				ND	
90 m-Xylene & p-Xylene	106	8.649	8.655	0.000	96	10332	0.9448	
91 o-Xylene	106	9.075	9.081	0.000	98	145582	13.8	
92 Styrene	104		9.099				ND	U
93 Bromoform	173		9.355				ND	
95 Isopropylbenzene	105	9.458	9.458	0.000	97	70952	2.47	
98 1,1,2,2-Tetrachloroethane	83		9.872				ND	
100 N-Propylbenzene	91	9.890	9.890	0.000	99	66539	1.97	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	96	384389	16.6	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	98	361173	15.2	
110 1,3-Dichlorobenzene	146		10.729				ND	
113 1,4-Dichlorobenzene	146		10.821				ND	
116 1,2-Dichlorobenzene	146		11.174				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.904				ND	
119 1,2,4-Trichlorobenzene	180		12.579				ND	
S 126 Xylenes, Total	1				0		14.8	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5777.D

Injection Date: 04-Sep-2021 05:15:30

Instrument ID: HP5973N

Operator ID: AK/LH

Lims ID: 480-189085-A-1

Lab Sample ID: 480-189085-1

Worklist Smp#: 18

Client ID: GT-9R-20210831

Purge Vol: 5.000 mL

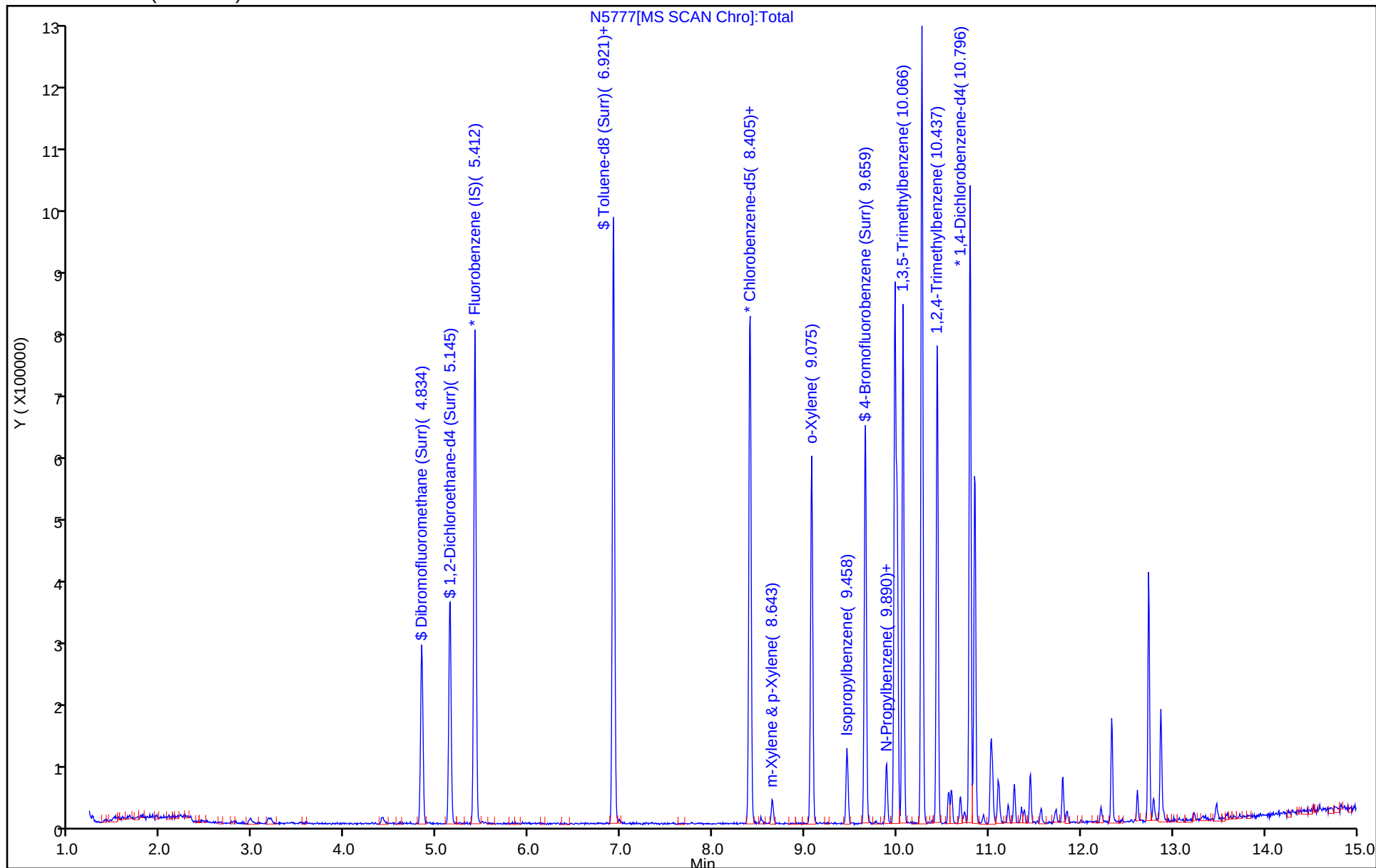
Dil. Factor: 1.0000

ALS Bottle#: 48

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5777.D

Injection Date: 04-Sep-2021 05:15:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-1

Lab Sample ID: 480-189085-1

Client ID: GT-9R-20210831

Operator ID: AK/LH

ALS Bottle#: 48

Worklist Smp#: 18

Purge Vol: 5.000 mL

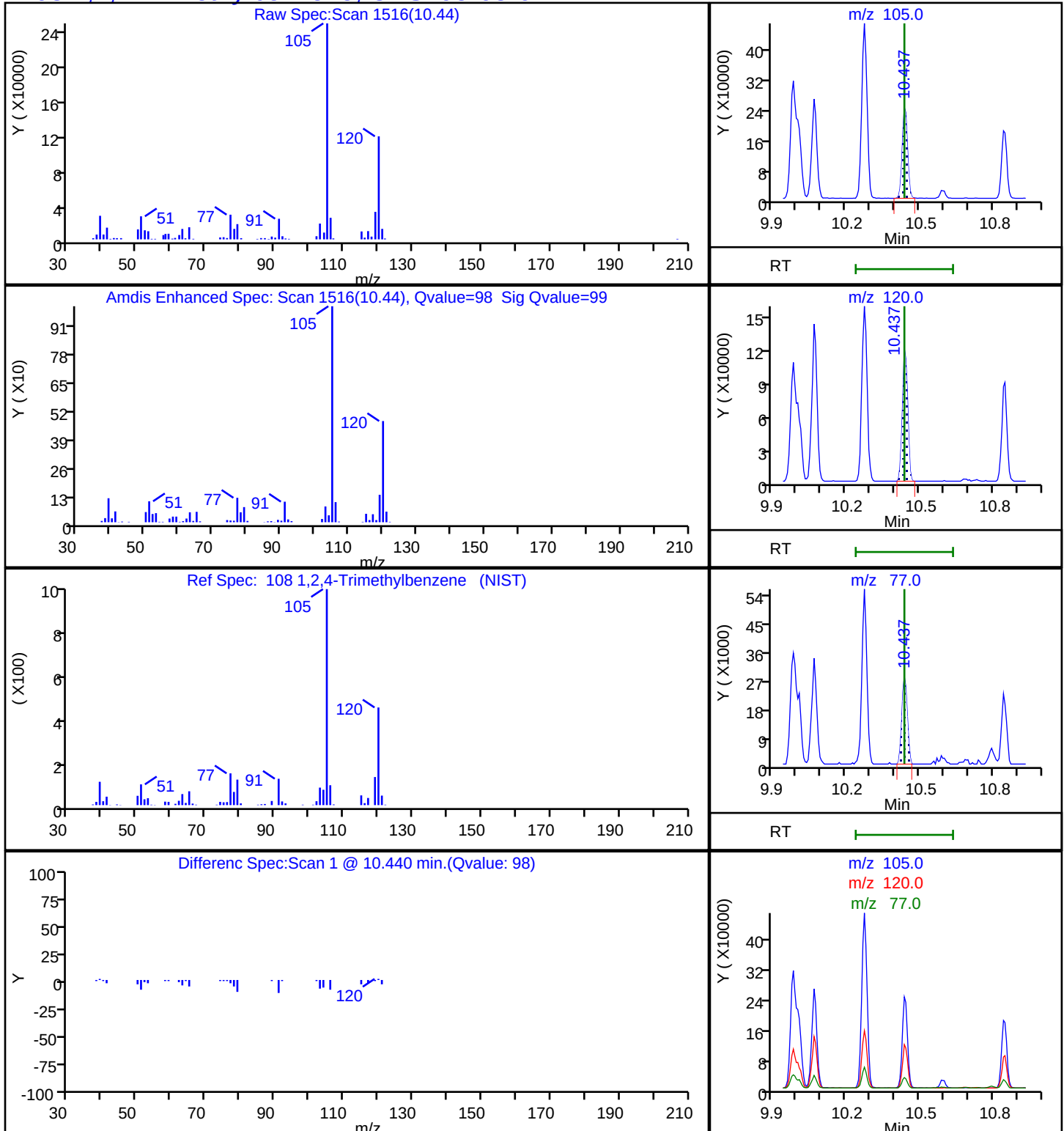
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5777.D

Injection Date: 04-Sep-2021 05:15:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-1

Lab Sample ID: 480-189085-1

Client ID: GT-9R-20210831

Operator ID: AK/LH

ALS Bottle#: 48

Worklist Smp#: 18

Purge Vol: 5.000 mL

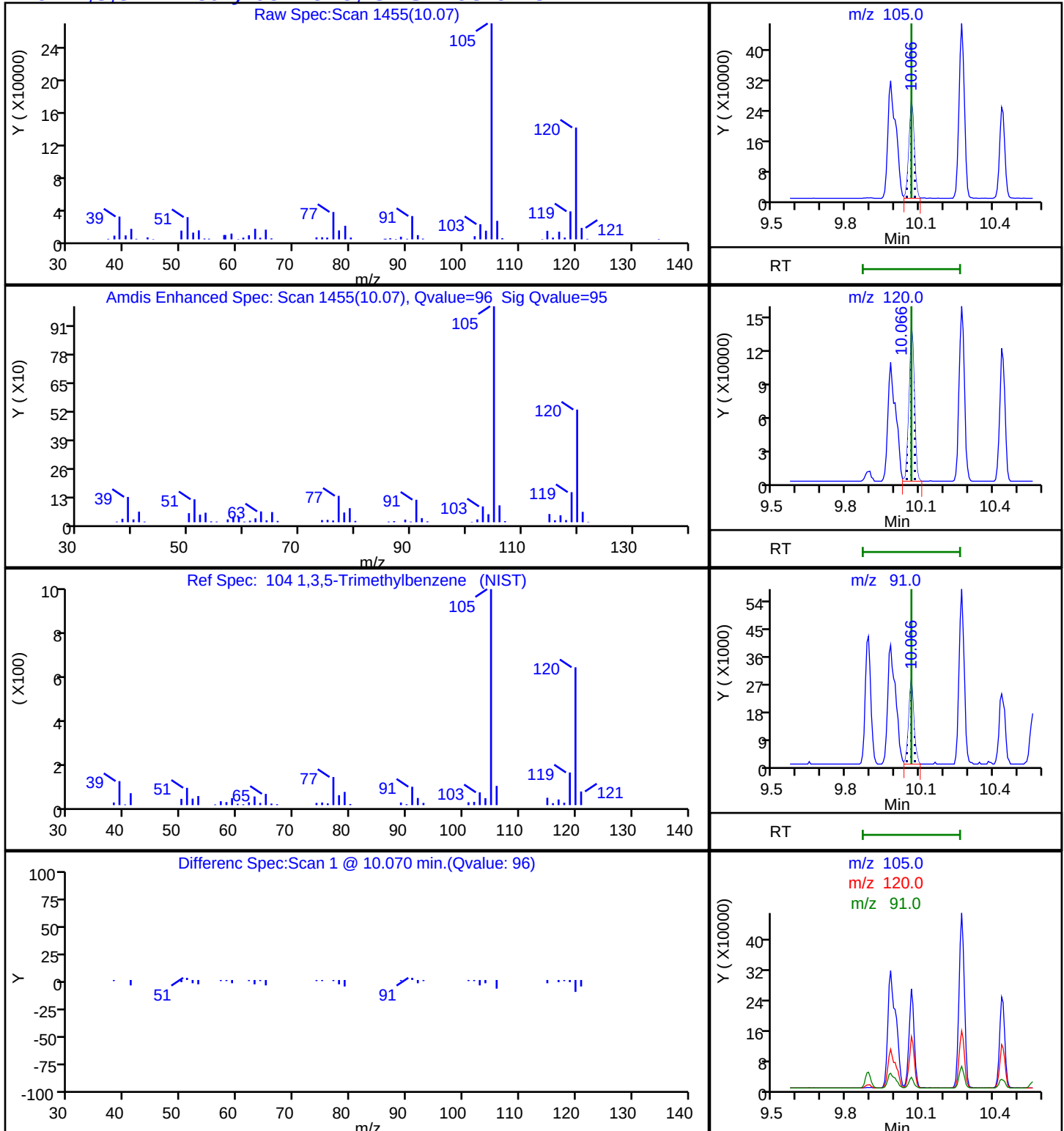
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5777.D

Injection Date: 04-Sep-2021 05:15:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-1

Lab Sample ID: 480-189085-1

Client ID: GT-9R-20210831

Operator ID: AK/LH

ALS Bottle#: 48

Worklist Smp#: 18

Purge Vol: 5.000 mL

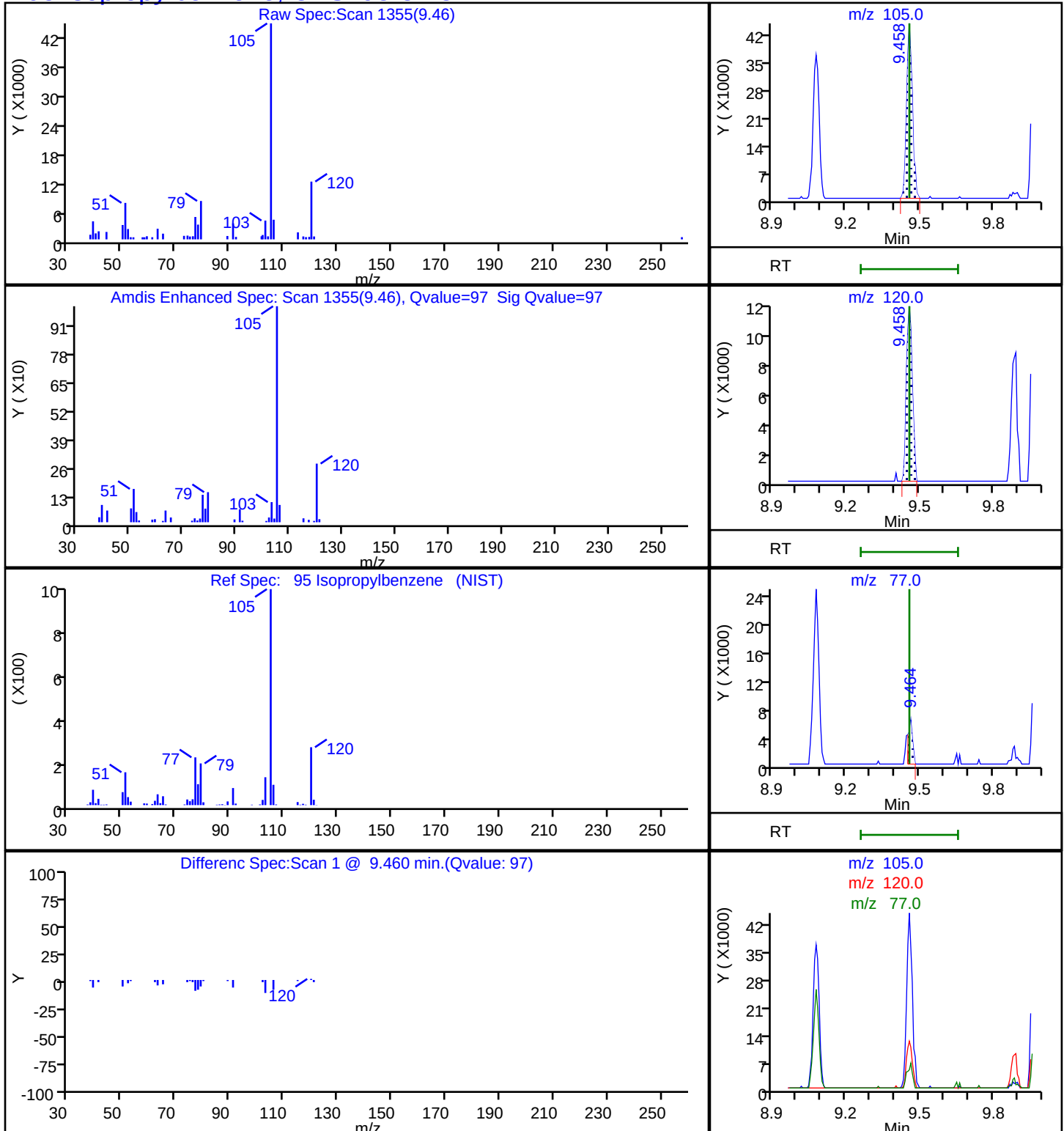
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

95 Isopropylbenzene, CAS: 98-82-8

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5777.D

Injection Date: 04-Sep-2021 05:15:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-1

Lab Sample ID: 480-189085-1

Client ID: GT-9R-20210831

Operator ID: AK/LH

ALS Bottle#: 48

Worklist Smp#: 18

Purge Vol: 5.000 mL

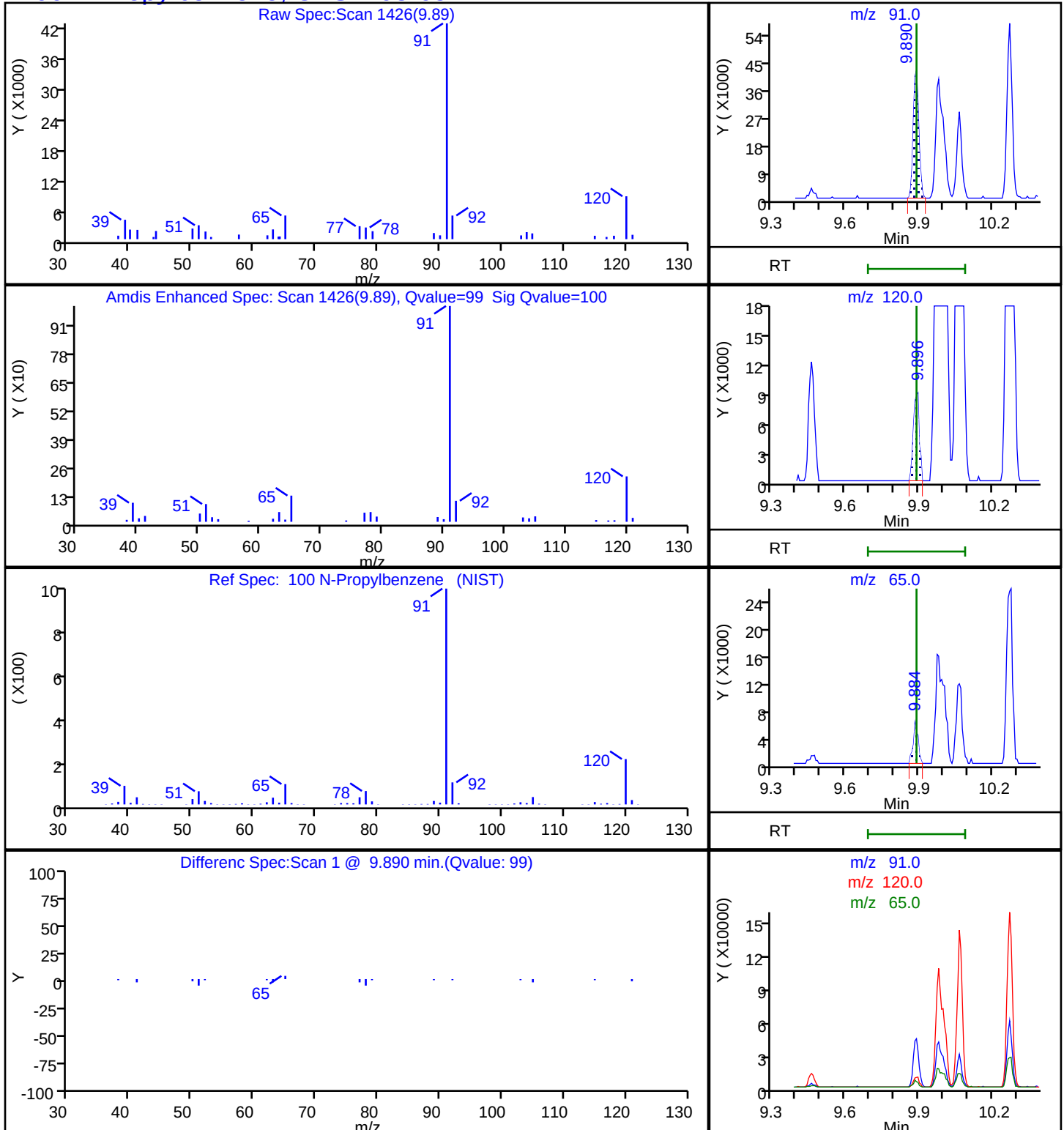
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5777.D

Injection Date: 04-Sep-2021 05:15:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-1

Lab Sample ID: 480-189085-1

Client ID: GT-9R-20210831

Operator ID: AK/LH

ALS Bottle#: 48

Worklist Smp#: 18

Purge Vol: 5.000 mL

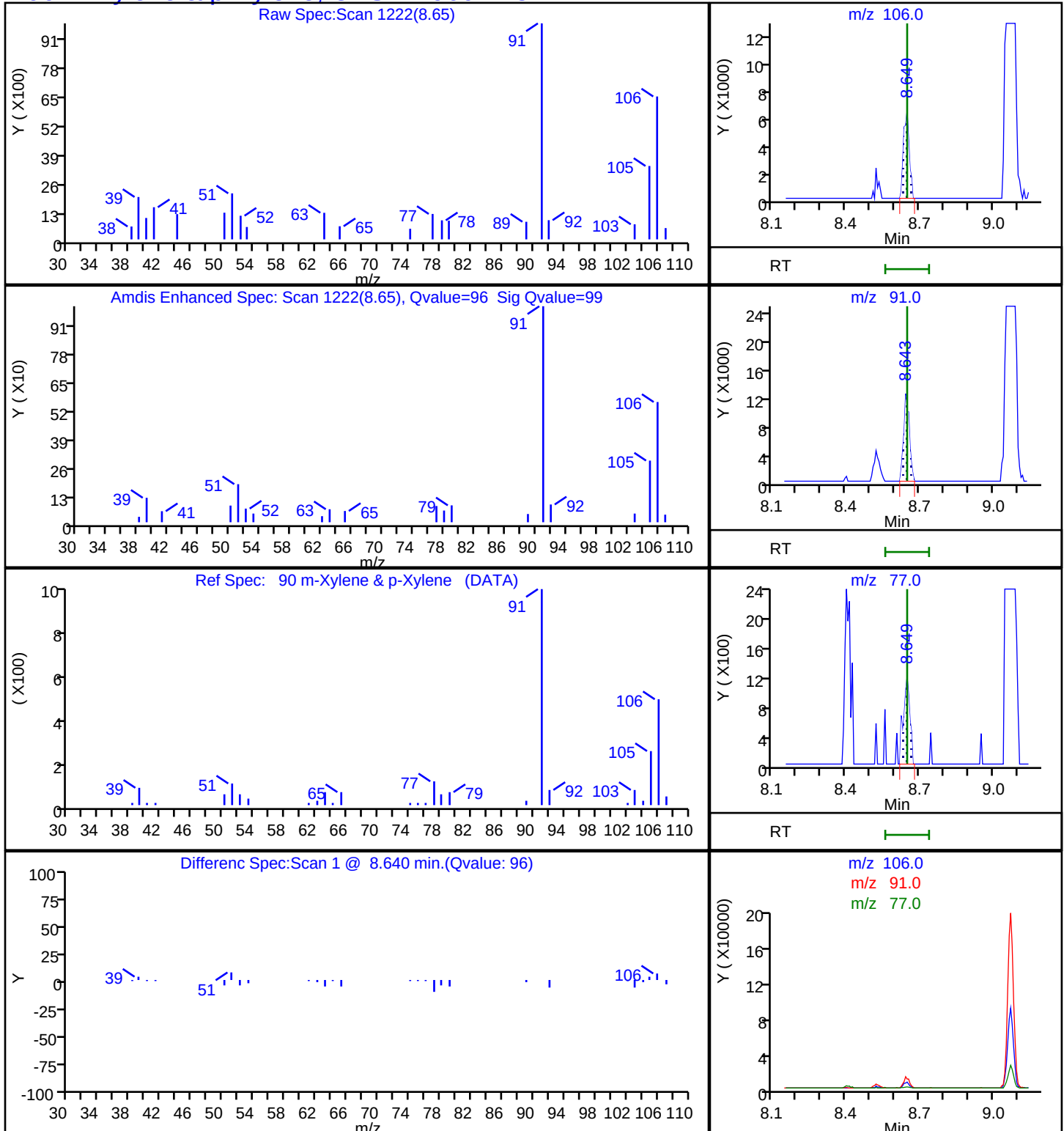
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5777.D

Injection Date: 04-Sep-2021 05:15:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-1

Lab Sample ID: 480-189085-1

Client ID: GT-9R-20210831

Operator ID: AK/LH

ALS Bottle#: 48

Worklist Smp#: 18

Purge Vol: 5.000 mL

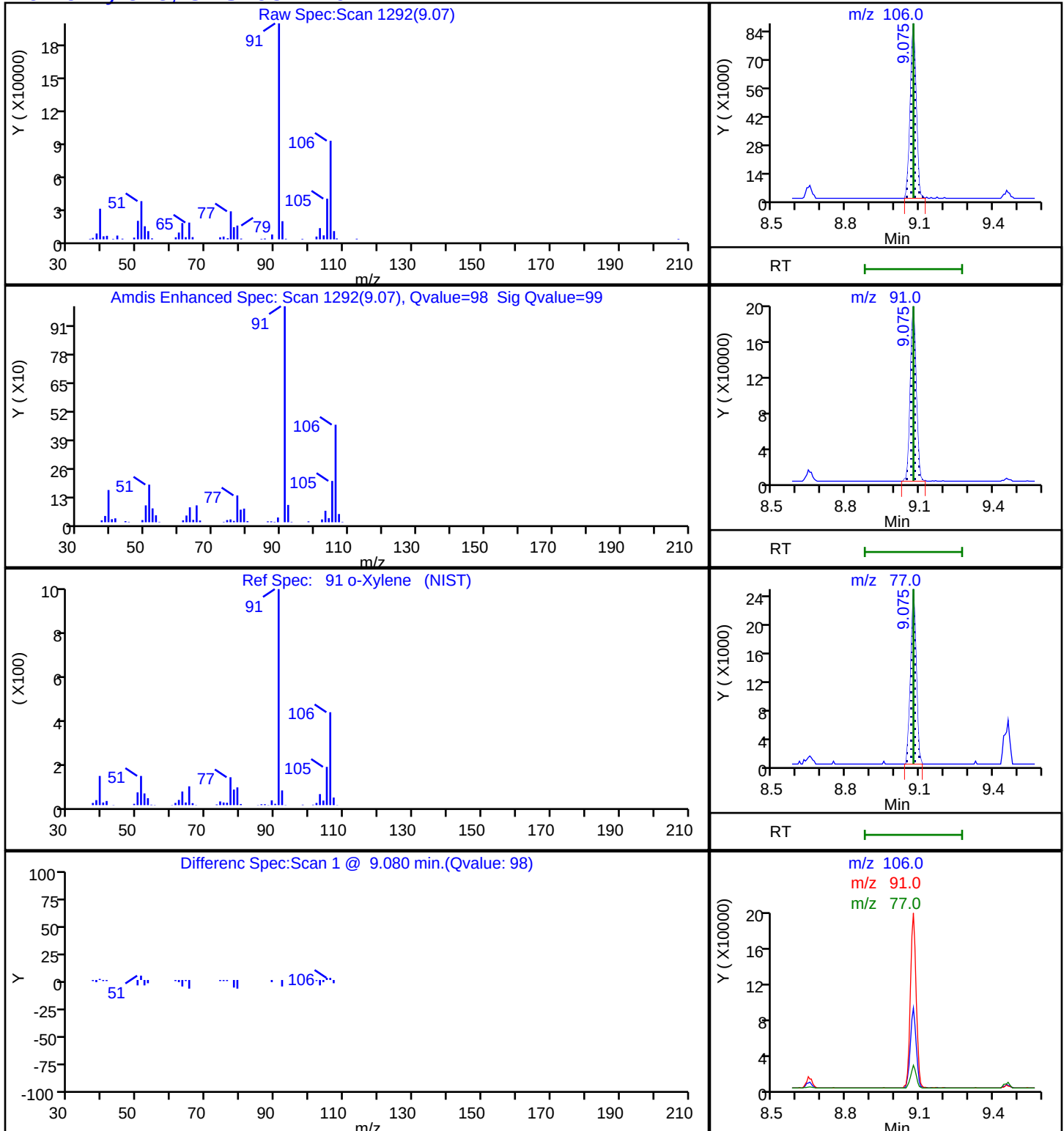
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5777.D

Injection Date: 04-Sep-2021 05:15:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-1

Lab Sample ID: 480-189085-1

Client ID: GT-9R-20210831

Operator ID: AK/LH

ALS Bottle#:

48

Worklist Smp#: 18

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

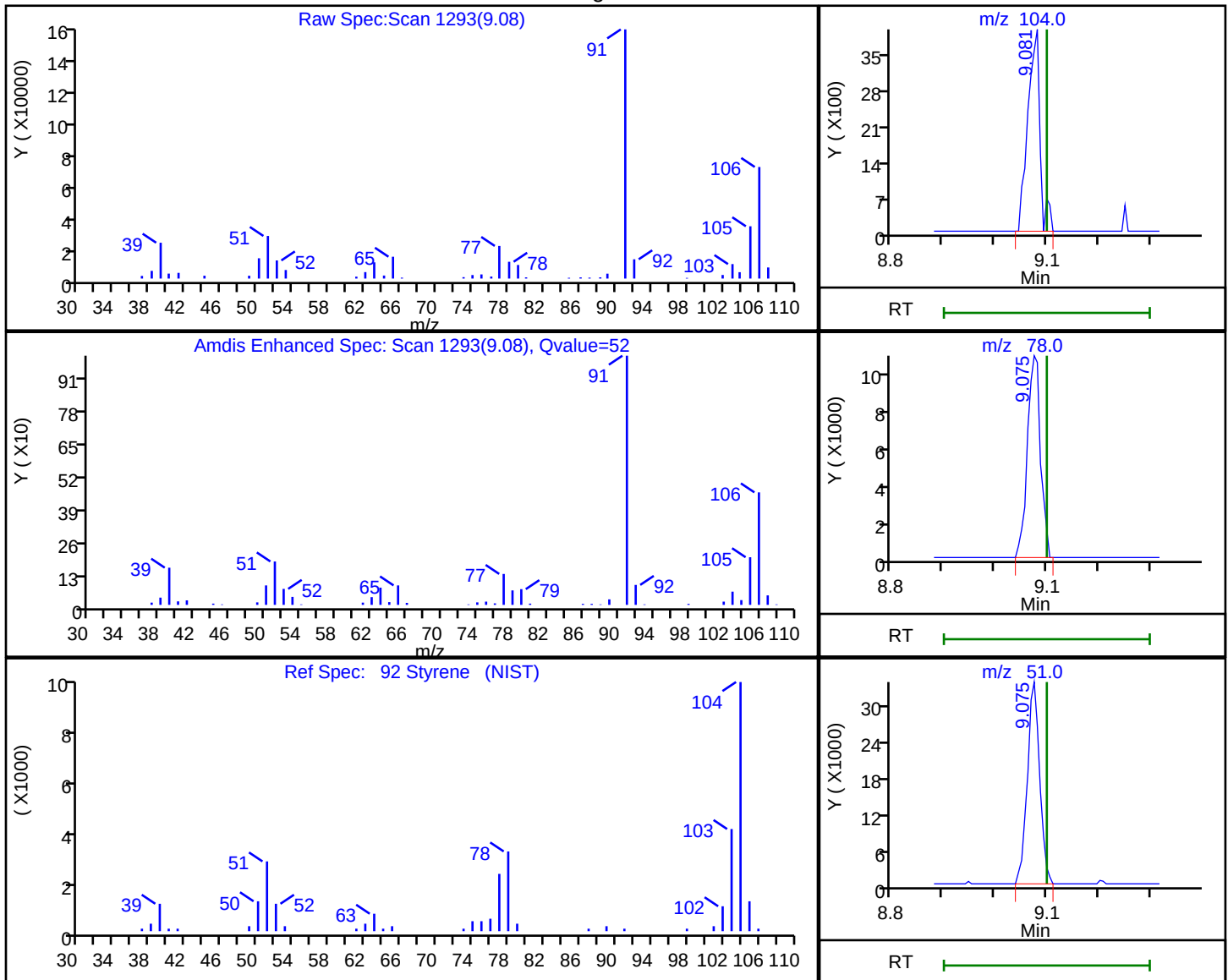
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

92 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
9.08	104.00	6479	0.359130
9.07	78.00	19153	
9.07	51.00	56455	

Reviewer: kiwana, 07-Sep-2021 09:21:21

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: IW-3-20210901 Lab Sample ID: 480-189085-2
 Matrix: Water Lab File ID: N5778.D
 Analysis Method: 8260C Date Collected: 09/01/2021 11:15
 Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 05:38
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
95-63-6	1,2,4-Trimethylbenzene	23		2.0	1.5
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
108-67-8	1,3,5-Trimethylbenzene	330	E	2.0	1.5
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	11	J	20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	ND		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: IW-3-20210901 Lab Sample ID: 480-189085-2
 Matrix: Water Lab File ID: N5778.D
 Analysis Method: 8260C Date Collected: 09/01/2021 11:15
 Sample wt/vol: 5(mL) Date Analyzed: 09/04/2021 05:38
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		2.0	1.5
98-82-8	Isopropylbenzene	48		2.0	1.6
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	5.3		2.0	0.88
103-65-1	N-Propylbenzene	60		2.0	1.4
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	ND		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	ND		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	ND		2.0	1.8
1330-20-7	Xylenes, Total	14		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5778.D
 Lims ID: 480-189085-A-2
 Client ID: IW-3-20210901
 Sample Type: Client
 Inject. Date: 04-Sep-2021 05:38:30 ALS Bottle#: 49 Worklist Smp#: 19
 Purge Vol: 5.000 mL Dil. Factor: 2.0000
 Sample Info: 480-189085-A-2
 Misc. Info.: 480-0100806-019
 Operator ID: AK/LH Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Sep-2021 09:24:17 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1604

First Level Reviewer: kiwana

Date: 07-Sep-2021 09:24:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.412	5.406	0.006	98	116567	25.0	
* 2 Chlorobenzene-d5	117	8.406	8.399	0.007	88	453110	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	95	247396	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	91	153880	25.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	97	220216	28.6	
\$ 6 Toluene-d8 (Surr)	98	6.915	6.921	-0.006	96	563788	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	91	180750	26.1	
11 Dichlorodifluoromethane	85		1.282				ND	
13 Chloromethane	50		1.452				ND	
14 Vinyl chloride	62		1.549				ND	
15 Bromomethane	94		1.854				ND	
16 Chloroethane	64		1.933				ND	
18 Trichlorofluoromethane	101		2.164				ND	
21 112TCTFE	101		2.650				ND	
22 1,1-Dichloroethene	96		2.657				ND	
23 Acetone	43	2.778	2.772	0.006	94	21564	5.68	
25 Carbon disulfide	76		2.857				ND	
28 Methyl acetate	43		3.070				ND	
30 Methylene Chloride	84	3.174	3.168	0.006	88	18891	2.63	
32 Methyl tert-butyl ether	73		3.381				ND	
33 trans-1,2-Dichloroethene	96		3.393				ND	
36 1,1-Dichloroethane	63		3.812				ND	
43 cis-1,2-Dichloroethene	96		4.366				ND	
44 2-Butanone (MEK)	43	4.403	4.403	0.000	66	6450	0.9353	
50 Chloroform	83		4.676				ND	
51 1,1,1-Trichloroethane	97		4.792				ND	
52 Cyclohexane	56		4.798				ND	
53 Carbon tetrachloride	117		4.926				ND	
55 Benzene	78		5.145				ND	
57 1,2-Dichloroethane	62		5.212				ND	
60 Trichloroethene	95		5.753				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.869				ND	
63 1,2-Dichloropropane	63		5.996				ND	
67 Dichlorobromomethane	83		6.282				ND	
71 cis-1,3-Dichloropropene	75		6.702				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.848				ND	
73 Toluene	92		6.982				ND	
75 trans-1,3-Dichloropropene	75		7.268				ND	
78 1,1,2-Trichloroethane	83		7.457				ND	
79 Tetrachloroethene	166		7.511				ND	
82 2-Hexanone	43		7.688				ND	
83 Chlorodibromomethane	129		7.852				ND	
84 Ethylene Dibromide	107		7.961				ND	
85 Chlorobenzene	112		8.430				ND	
88 Ethylbenzene	91	8.527	8.533	0.000	94	12921	0.4303	
90 m-Xylene & p-Xylene	106	8.649	8.655	0.000	91	3031	0.2644	
91 o-Xylene	106	9.075	9.081	0.000	99	76864	6.96	
92 Styrene	104		9.099				ND	U
93 Bromoform	173		9.355				ND	
95 Isopropylbenzene	105	9.458	9.458	0.000	97	729313	23.9	
98 1,1,2,2-Tetrachloroethane	83		9.872				ND	
100 N-Propylbenzene	91	9.884	9.890	-0.006	99	1066867	29.8	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	96	4011709	162.9	E
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	97	292728	11.6	
110 1,3-Dichlorobenzene	146		10.729				ND	
113 1,4-Dichlorobenzene	146		10.821				ND	
116 1,2-Dichlorobenzene	146		11.174				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.904				ND	7
119 1,2,4-Trichlorobenzene	180		12.579				ND	
S 126 Xylenes, Total	1				0		7.23	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5778.D

Injection Date: 04-Sep-2021 05:38:30

Instrument ID: HP5973N

Operator ID: AK/LH

Lims ID: 480-189085-A-2

Lab Sample ID: 480-189085-2

Worklist Smp#: 19

Client ID: IW-3-20210901

Purge Vol: 5.000 mL

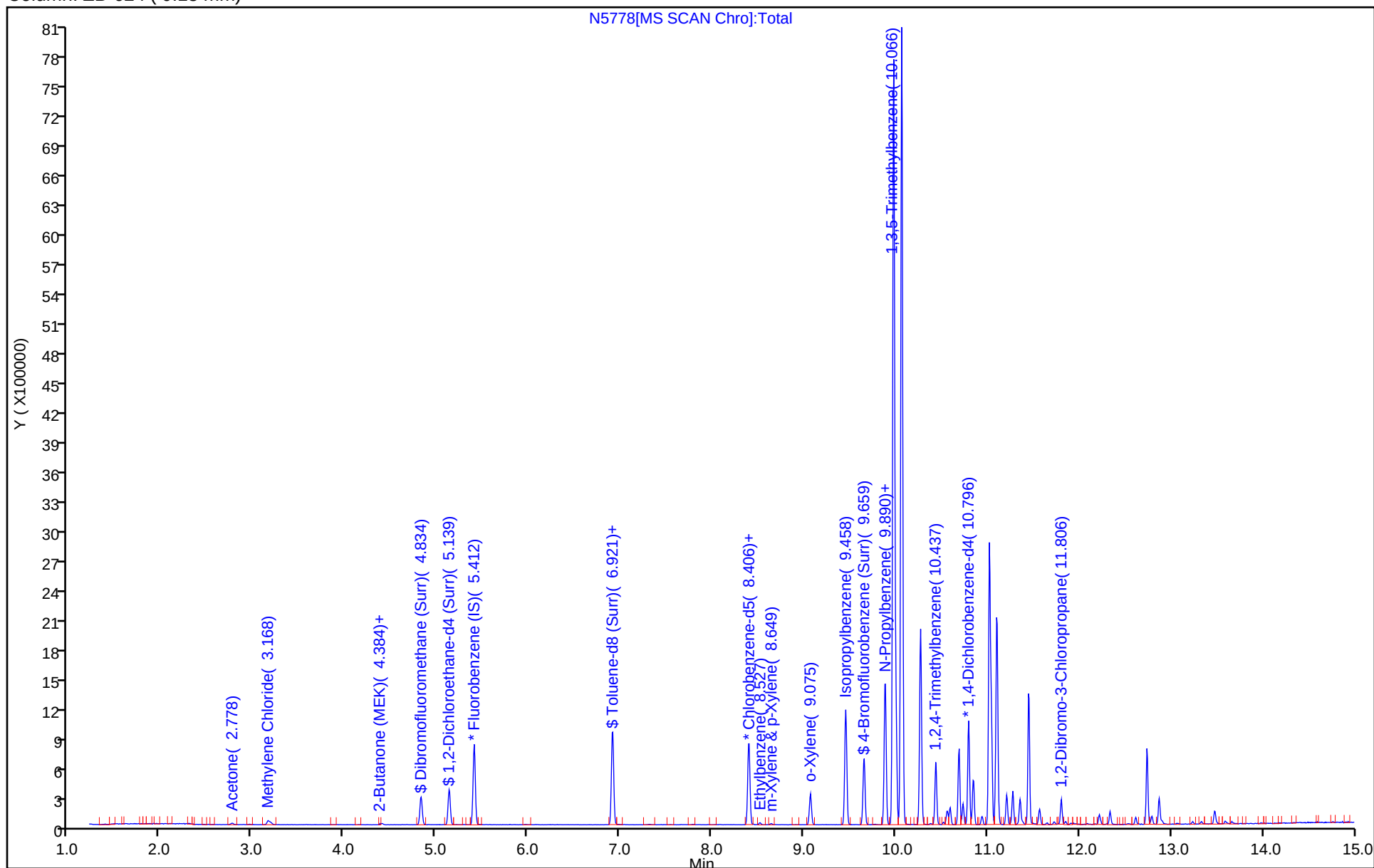
Dil. Factor: 2.0000

ALS Bottle#: 49

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5778.D

Injection Date: 04-Sep-2021 05:38:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-2

Lab Sample ID: 480-189085-2

Client ID: IW-3-20210901

Operator ID: AK/LH

ALS Bottle#: 49

Worklist Smp#: 19

Purge Vol: 5.000 mL

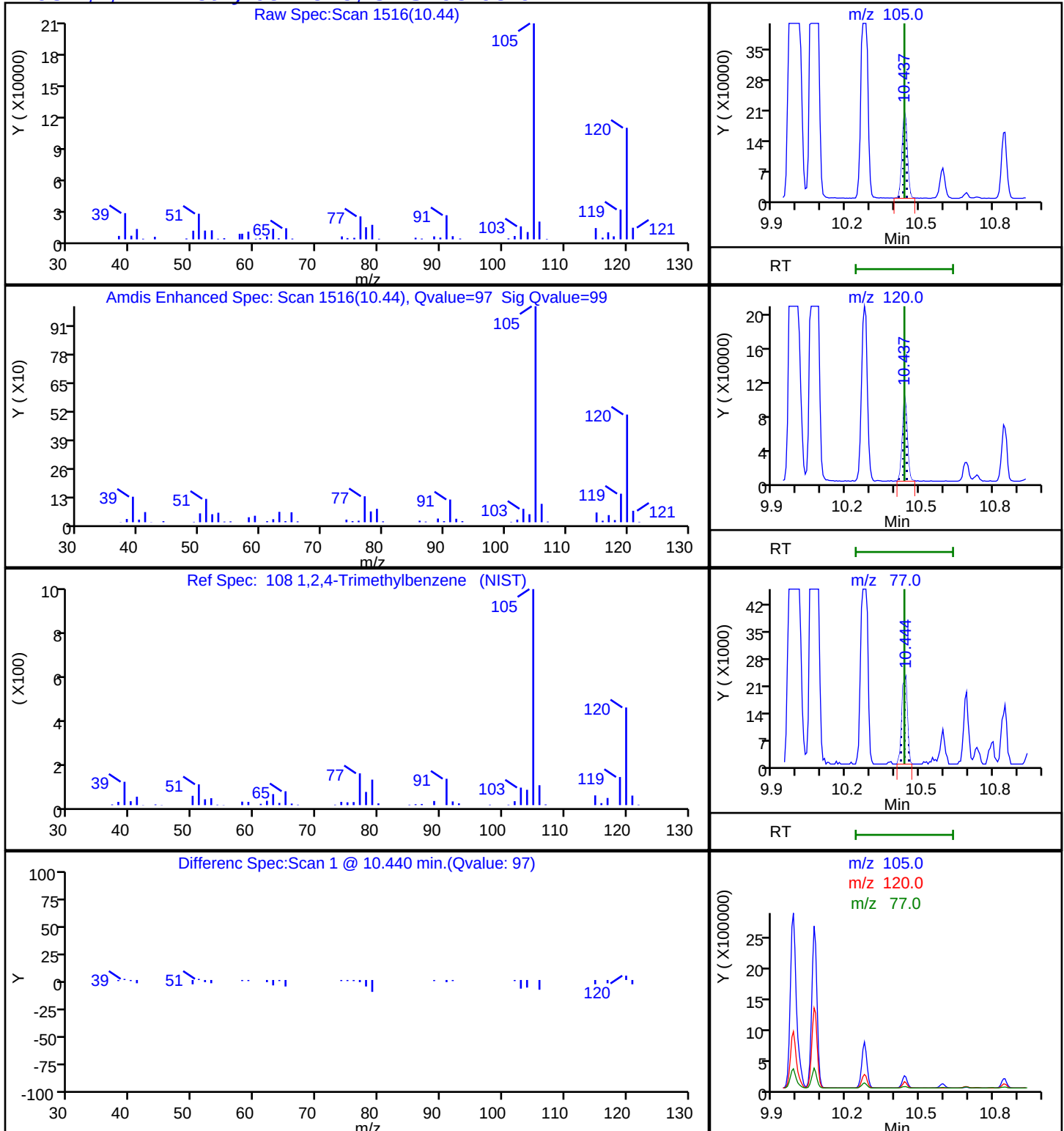
Dil. Factor: 2.0000

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 TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5778.D

Injection Date: 04-Sep-2021 05:38:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-2

Lab Sample ID: 480-189085-2

Client ID: IW-3-20210901

Operator ID: AK/LH

ALS Bottle#: 49

Worklist Smp#: 19

Purge Vol: 5.000 mL

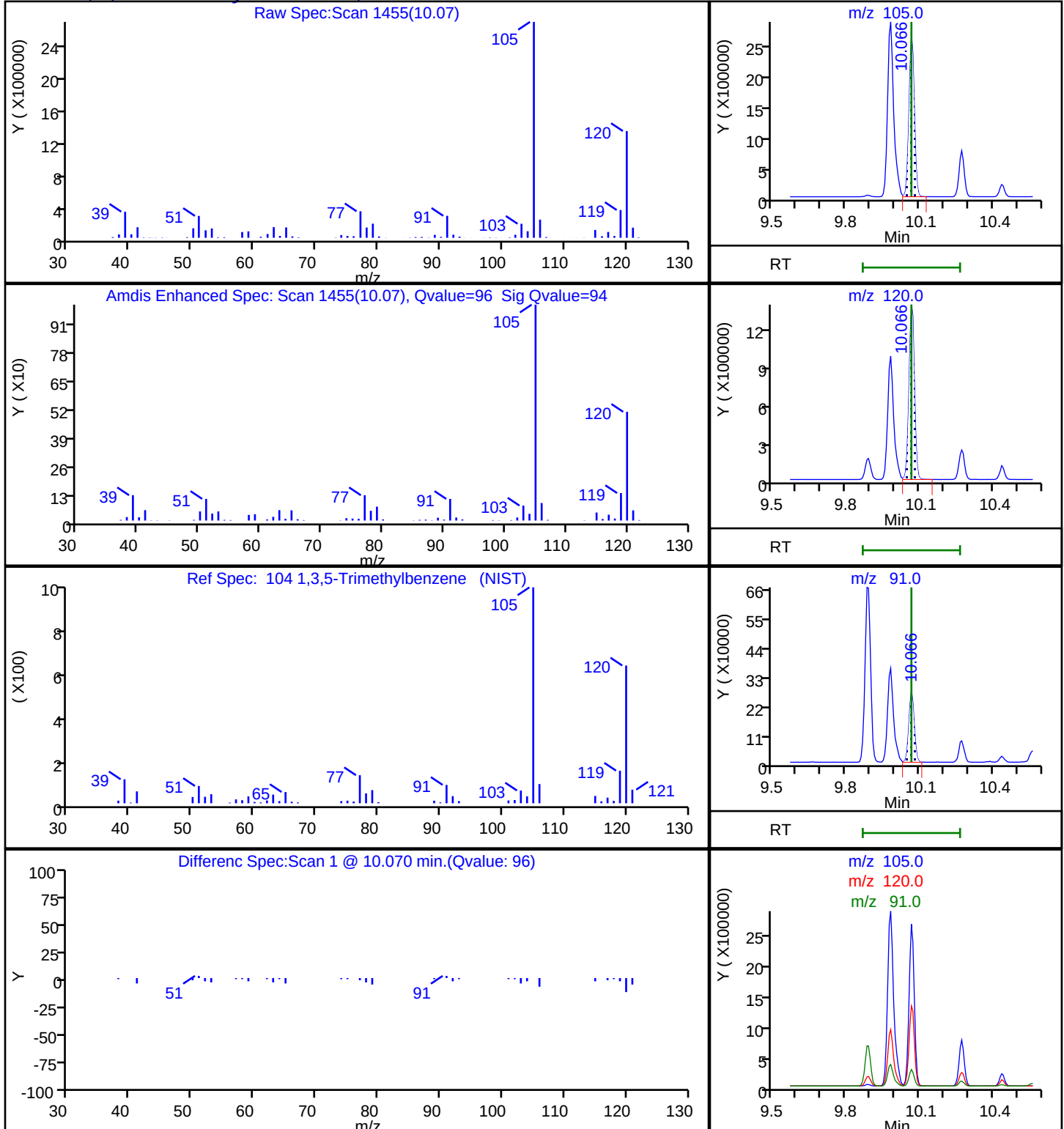
Dil. Factor: 2.0000

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 TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5778.D

Injection Date: 04-Sep-2021 05:38:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-2

Lab Sample ID: 480-189085-2

Client ID: IW-3-20210901

Operator ID: AK/LH

ALS Bottle#: 49

Worklist Smp#: 19

Purge Vol: 5.000 mL

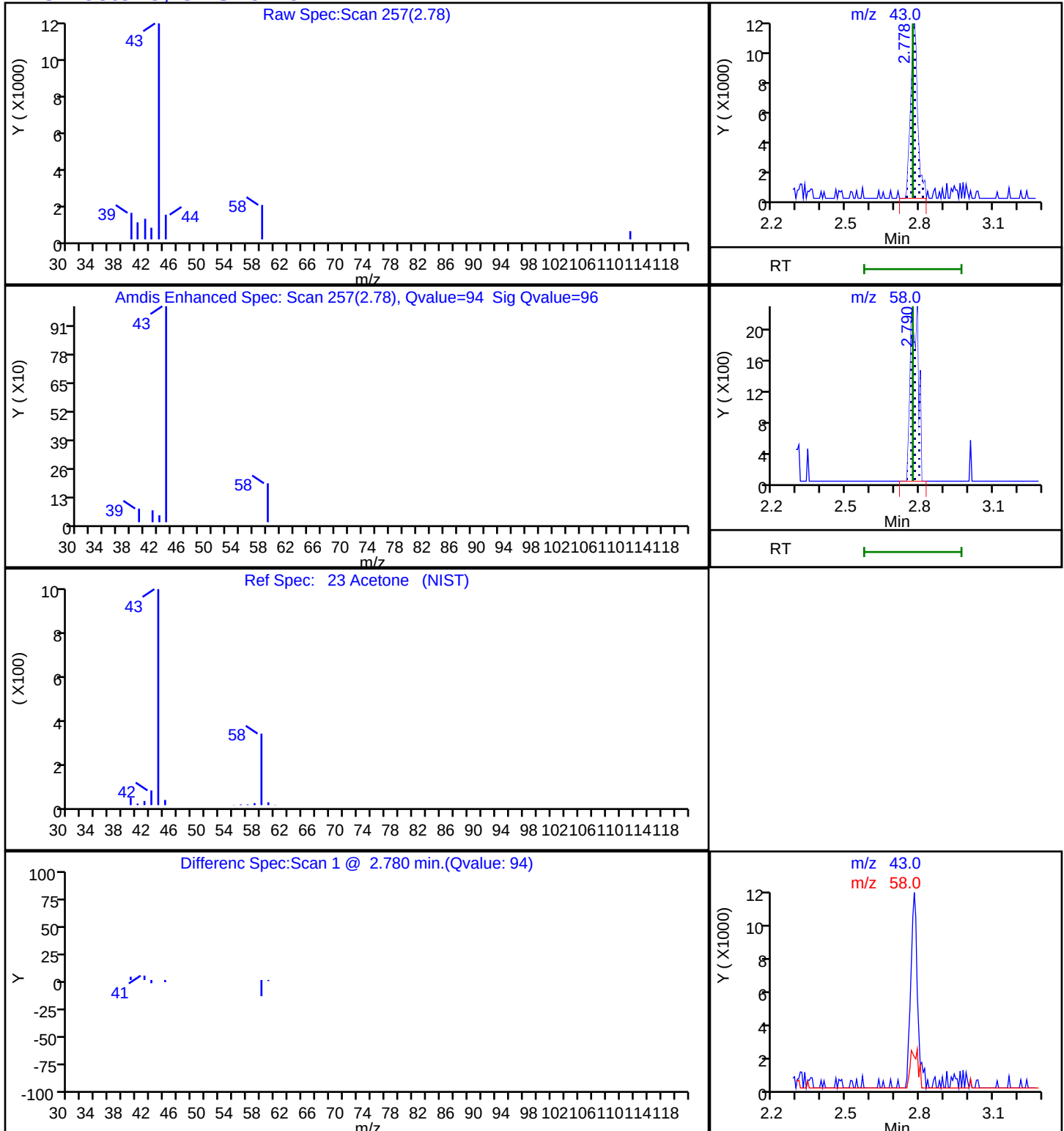
Dil. Factor: 2.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5778.D

Injection Date: 04-Sep-2021 05:38:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-2

Lab Sample ID: 480-189085-2

Client ID: IW-3-20210901

Operator ID: AK/LH

ALS Bottle#: 49

Worklist Smp#: 19

Purge Vol: 5.000 mL

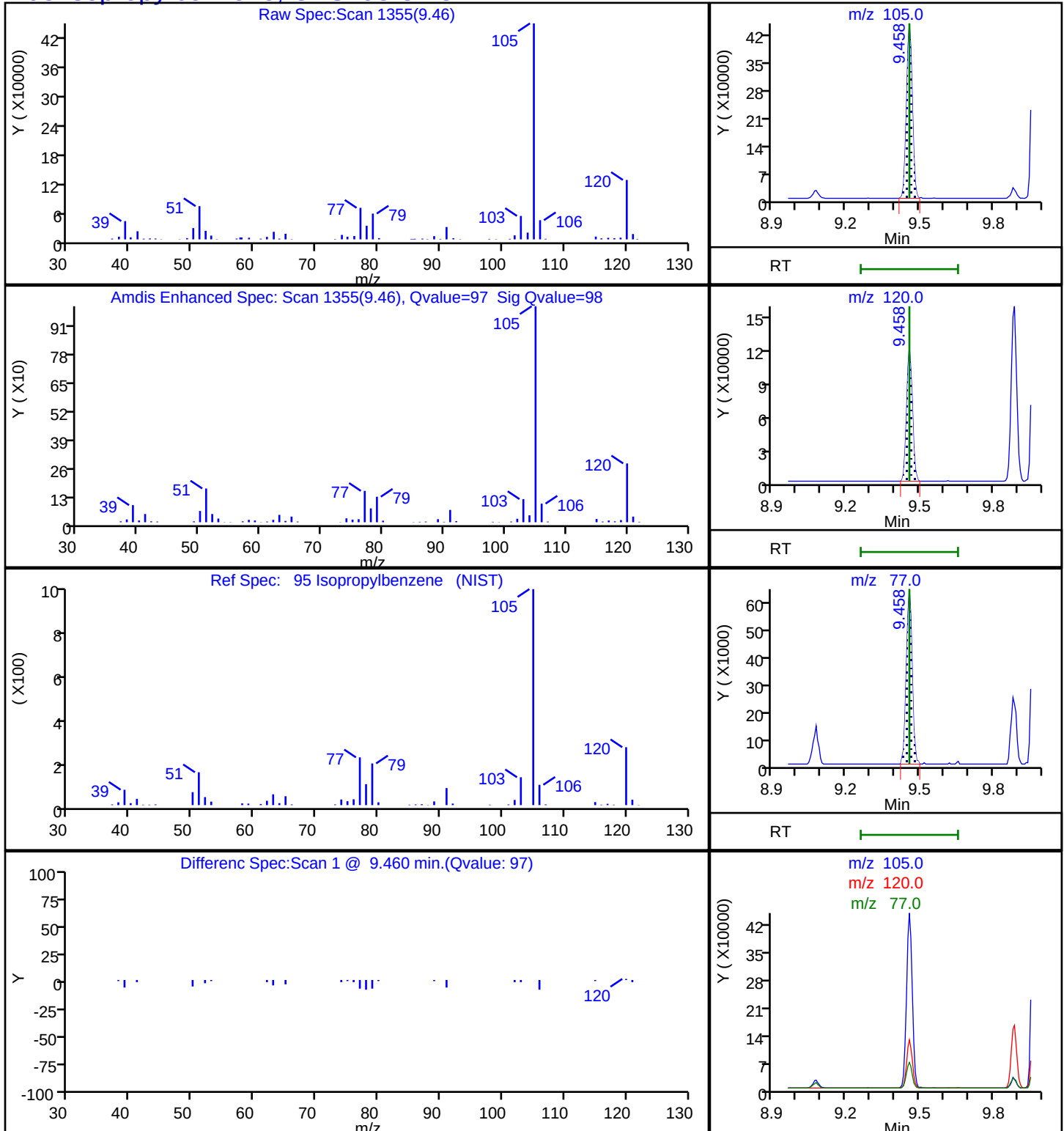
Dil. Factor: 2.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

95 Isopropylbenzene, CAS: 98-82-8

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5778.D

Injection Date: 04-Sep-2021 05:38:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-2

Lab Sample ID: 480-189085-2

Client ID: IW-3-20210901

Operator ID: AK/LH

ALS Bottle#: 49

Worklist Smp#: 19

Purge Vol: 5.000 mL

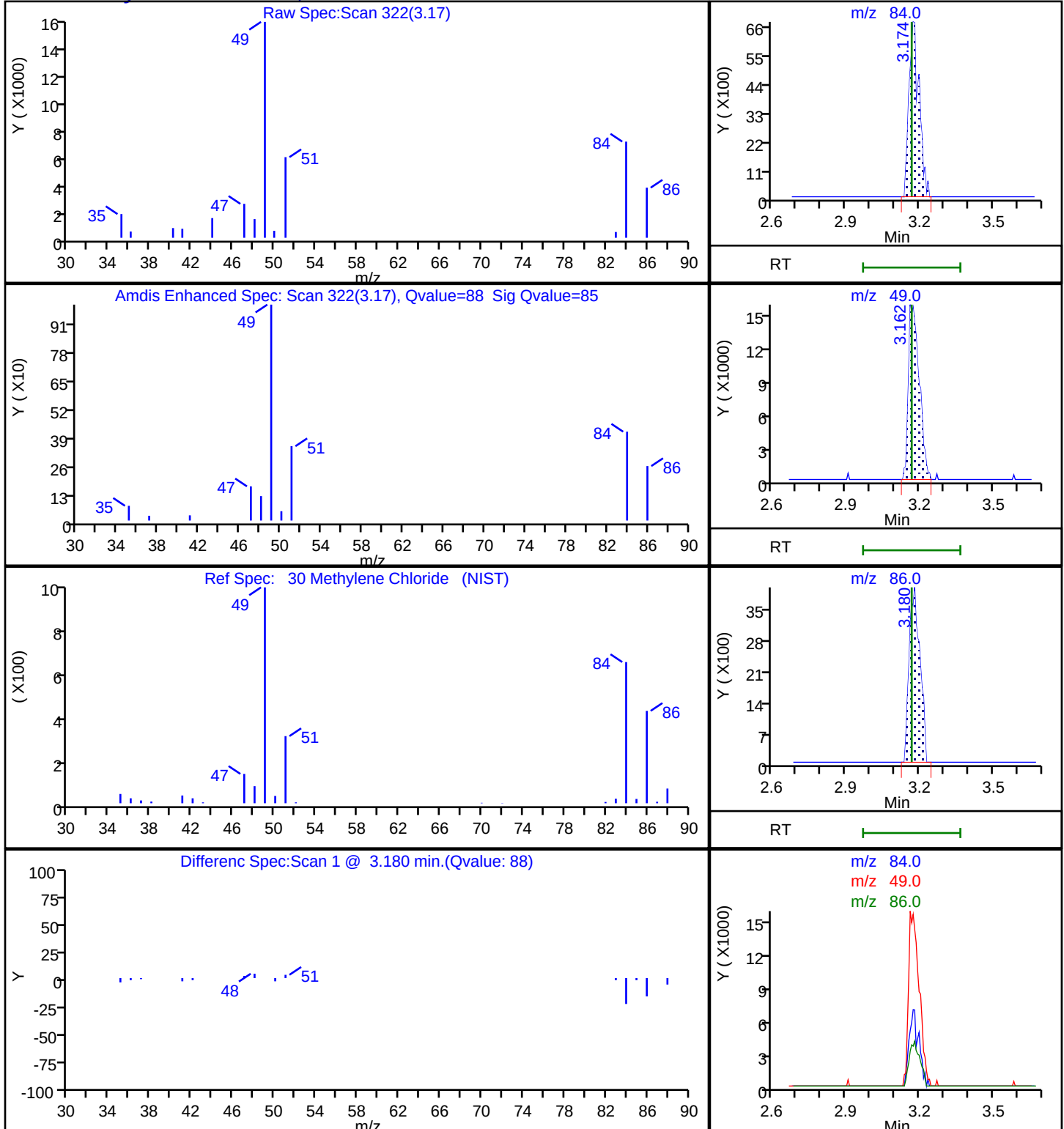
Dil. Factor: 2.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5778.D

Injection Date: 04-Sep-2021 05:38:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-2

Lab Sample ID: 480-189085-2

Client ID: IW-3-20210901

Operator ID: AK/LH

ALS Bottle#: 49

Worklist Smp#: 19

Purge Vol: 5.000 mL

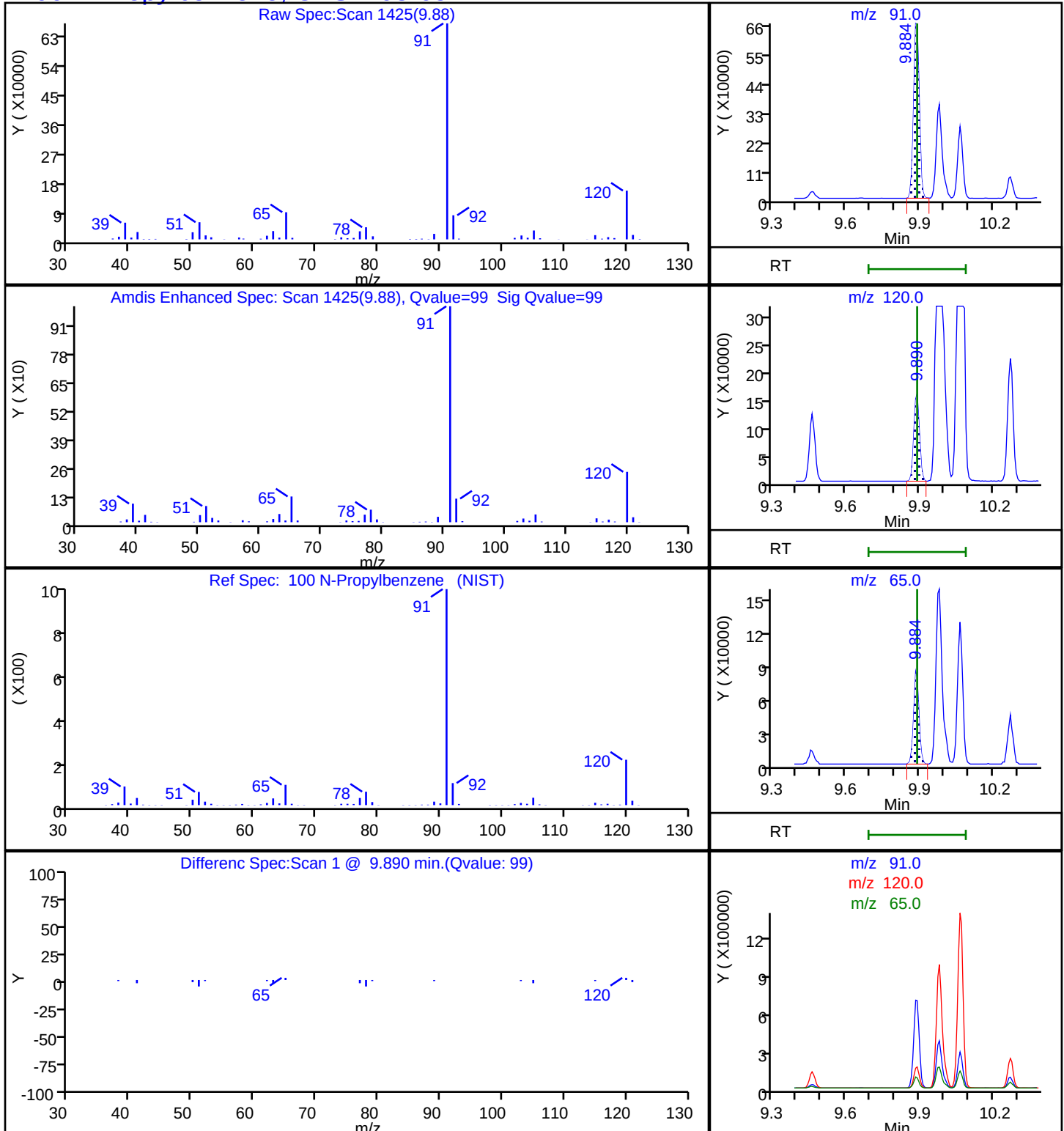
Dil. Factor: 2.0000

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 TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5778.D

Injection Date: 04-Sep-2021 05:38:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-2

Lab Sample ID: 480-189085-2

Client ID: IW-3-20210901

Operator ID: AK/LH

ALS Bottle#: 49

Worklist Smp#: 19

Purge Vol: 5.000 mL

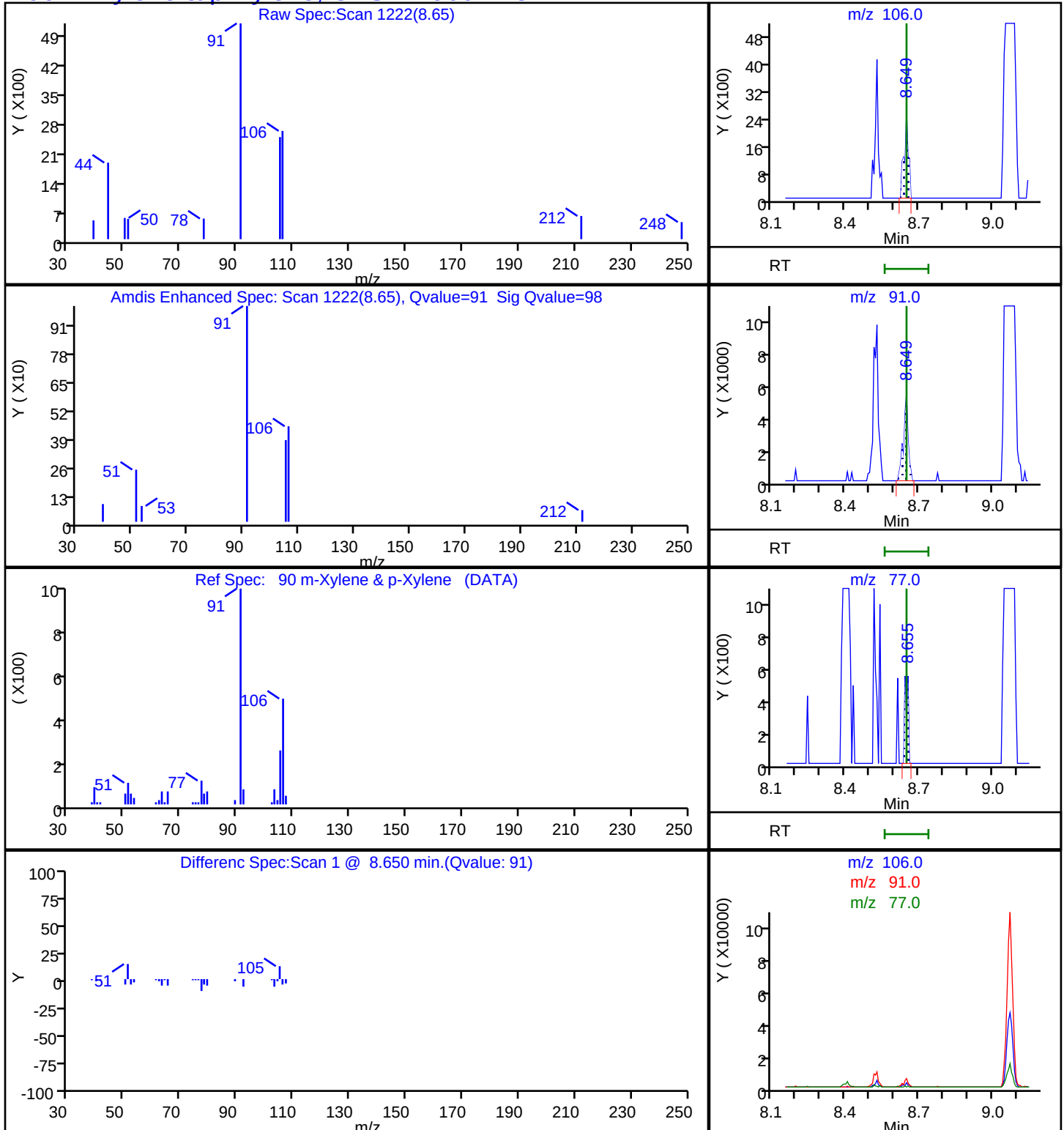
Dil. Factor: 2.0000

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 TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5778.D

Injection Date: 04-Sep-2021 05:38:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-2

Lab Sample ID: 480-189085-2

Client ID: IW-3-20210901

Operator ID: AK/LH

ALS Bottle#: 49

Worklist Smp#: 19

Purge Vol: 5.000 mL

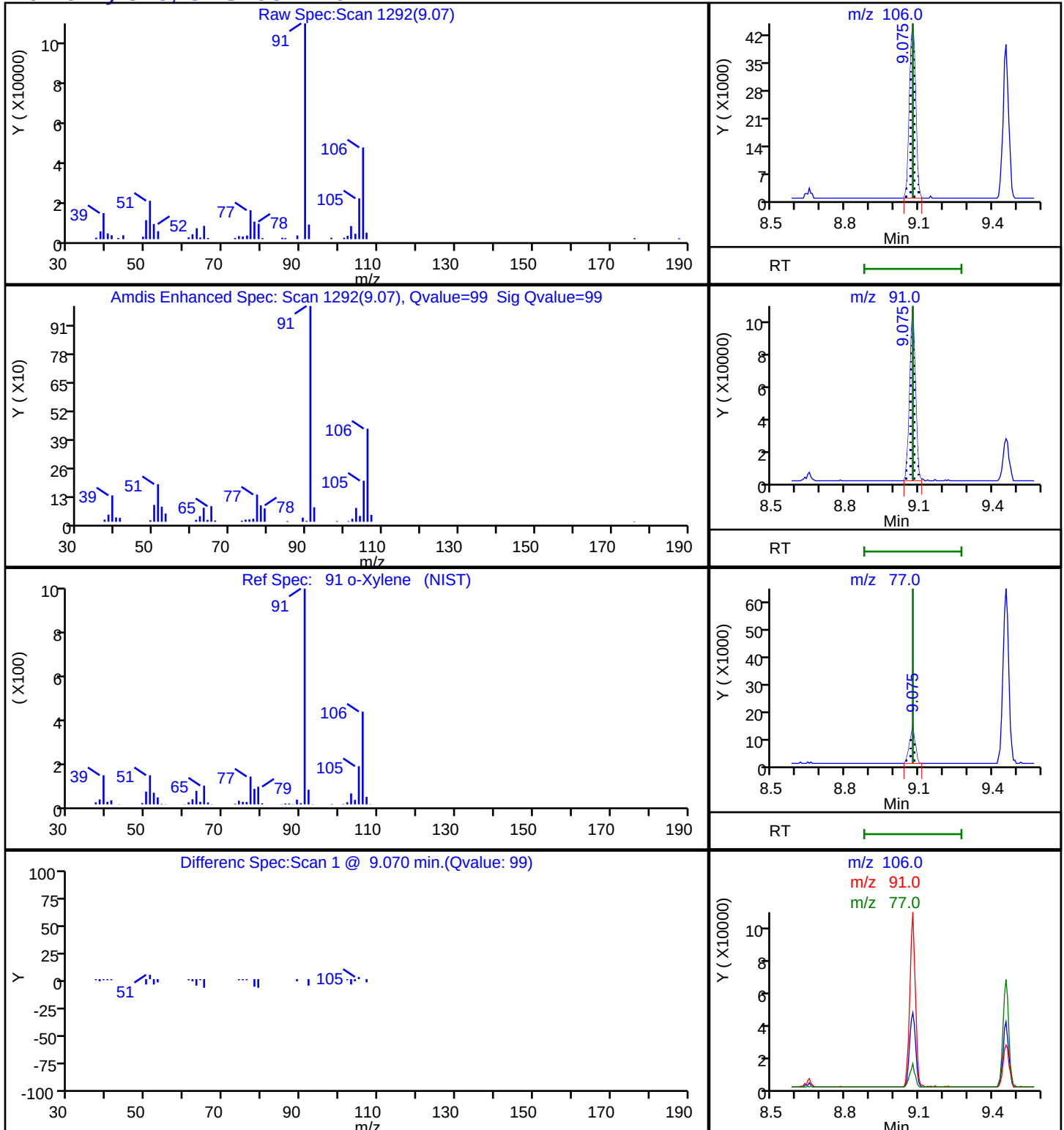
Dil. Factor: 2.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5778.D

Injection Date: 04-Sep-2021 05:38:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-2

Lab Sample ID: 480-189085-2

Client ID: IW-3-20210901

Operator ID: AK/LH

ALS Bottle#:

49

Worklist Smp#: 19

Purge Vol: 5.000 mL

Dil. Factor: 2.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

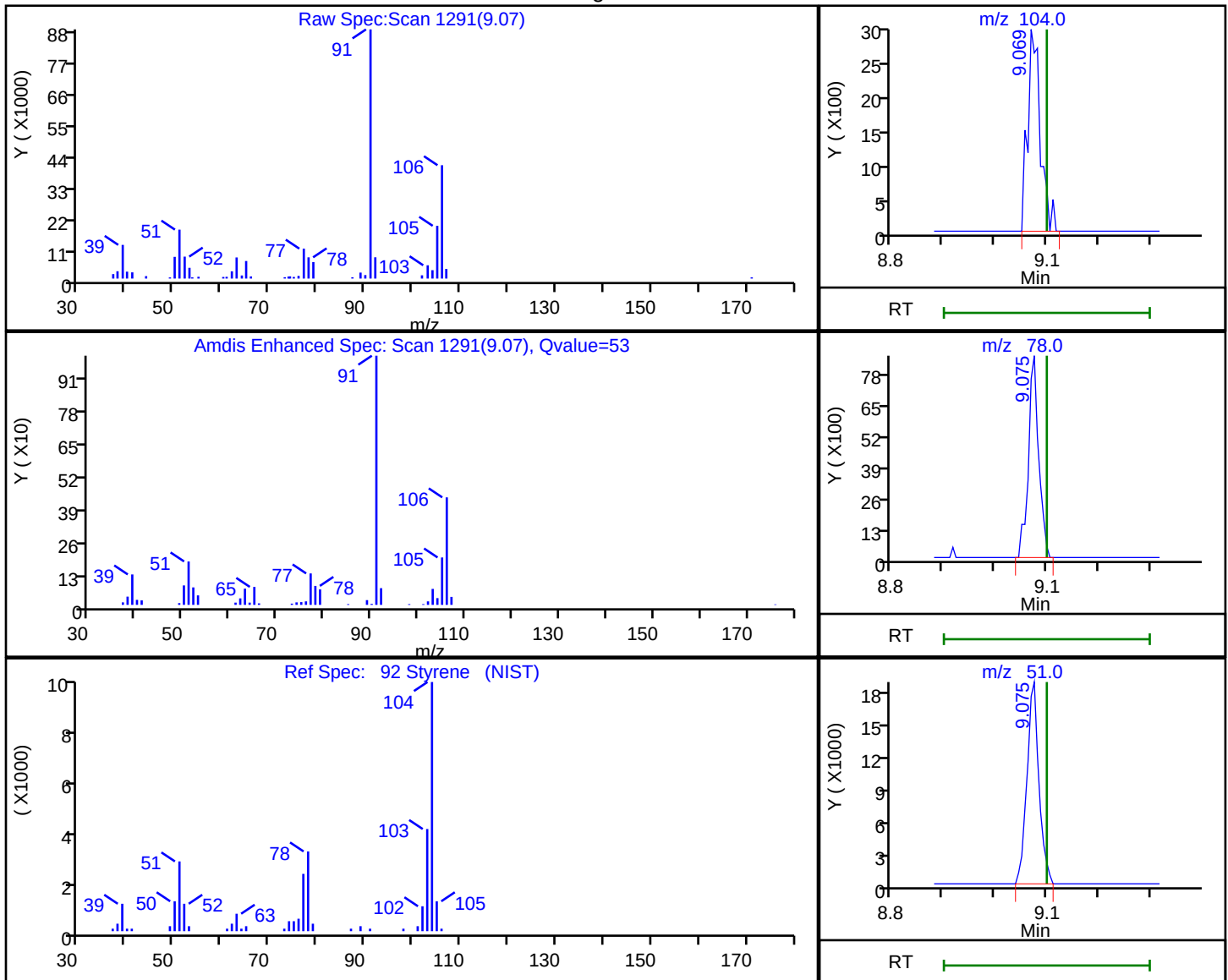
Column: ZB-624 (0.18 mm)

Detector

MS SCAN

92 Styrene, CAS: 100-42-5

Processing Results



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-189085-1</u>
SDG No.: _____	
Client Sample ID: <u>IW-3-20210901 DL</u>	Lab Sample ID: <u>480-189085-2 DL</u>
Matrix: <u>Water</u>	Lab File ID: <u>C7457.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/01/2021 11:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>09/09/2021 12:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>5</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>595662</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6
79-00-5	1,1,2-Trichloroethane	ND		5.0	1.2
75-34-3	1,1-Dichloroethane	ND		5.0	1.9
75-35-4	1,1-Dichloroethene	ND		5.0	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	2.1
95-63-6	1,2,4-Trimethylbenzene	25		5.0	3.8
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.0
106-93-4	1,2-Dibromoethane	ND		5.0	3.7
95-50-1	1,2-Dichlorobenzene	ND		5.0	4.0
107-06-2	1,2-Dichloroethane	ND		5.0	1.1
78-87-5	1,2-Dichloropropane	ND		5.0	3.6
108-67-8	1,3,5-Trimethylbenzene	360		5.0	3.9
541-73-1	1,3-Dichlorobenzene	ND		5.0	3.9
106-46-7	1,4-Dichlorobenzene	ND		5.0	4.2
78-93-3	2-Butanone (MEK)	ND		50	6.6
591-78-6	2-Hexanone	ND		25	6.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	11
67-64-1	Acetone	ND		50	15
71-43-2	Benzene	ND		5.0	2.1
75-27-4	Bromodichloromethane	ND		5.0	2.0
75-25-2	Bromoform	ND		5.0	1.3
74-83-9	Bromomethane	ND		5.0	3.5
75-15-0	Carbon disulfide	ND		5.0	0.95
56-23-5	Carbon tetrachloride	ND		5.0	1.4
108-90-7	Chlorobenzene	ND		5.0	3.8
75-00-3	Chloroethane	ND		5.0	1.6
67-66-3	Chloroform	ND		5.0	1.7
74-87-3	Chloromethane	ND		5.0	1.8
156-59-2	cis-1,2-Dichloroethene	ND		5.0	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	1.8
110-82-7	Cyclohexane	ND		5.0	0.90
124-48-1	Dibromochloromethane	ND		5.0	1.6
75-71-8	Dichlorodifluoromethane	ND		5.0	3.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: IW-3-20210901 DL Lab Sample ID: 480-189085-2 DL
 Matrix: Water Lab File ID: C7457.D
 Analysis Method: 8260C Date Collected: 09/01/2021 11:15
 Sample wt/vol: 5 (mL) Date Analyzed: 09/09/2021 12:12
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595662 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		5.0	3.7
98-82-8	Isopropylbenzene	56		5.0	4.0
79-20-9	Methyl acetate	ND		13	6.5
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.80
108-87-2	Methylcyclohexane	ND		5.0	0.80
75-09-2	Methylene Chloride	ND		5.0	2.2
103-65-1	N-Propylbenzene	69		5.0	3.5
100-42-5	Styrene	ND		5.0	3.7
127-18-4	Tetrachloroethene	ND		5.0	1.8
108-88-3	Toluene	ND		5.0	2.6
156-60-5	trans-1,2-Dichloroethene	ND		5.0	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	1.9
79-01-6	Trichloroethene	ND		5.0	2.3
75-69-4	Trichlorofluoromethane	ND		5.0	4.4
75-01-4	Vinyl chloride	ND		5.0	4.5
1330-20-7	Xylenes, Total	14		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		75-123
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7457.D
 Lims ID: 480-189085-C-2
 Client ID: IW-3-20210901
 Sample Type: Client
 Inject. Date: 09-Sep-2021 12:12:30 ALS Bottle#: 11 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 5.0000
 Sample Info: 480-189085-C-2
 Misc. Info.: 480-0100868-011
 Operator ID: OI/AK Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Sep-2021 10:44:17 Calib Date: 01-Sep-2021 21:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7205.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1616

First Level Reviewer: kiwana

Date: 10-Sep-2021 10:44:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.800	4.801	0.000	99	150758	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	86	298225	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.977	8.977	0.000	95	360051	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	92	261678	26.7	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.583	0.000	97	139011	25.8	
\$ 5 Toluene-d8 (Surr)	98	5.982	5.982	0.000	93	699048	25.5	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.044	8.044	0.000	90	219988	25.6	
10 Dichlorodifluoromethane	85		1.080				ND	
12 Chloromethane	50		1.236				ND	
13 Vinyl chloride	62		1.329				ND	
14 Bromomethane	94		1.609				ND	
15 Chloroethane	64		1.691				ND	
17 Trichlorofluoromethane	101		1.909				ND	
21 112TCTFE	101		2.386				ND	
22 1,1-Dichloroethene	96		2.396				ND	
23 Acetone	43		2.510				ND	
26 Carbon disulfide	76		2.583				ND	
27 Methyl acetate	43		2.790				ND	
30 Methylene Chloride	84		2.883				ND	7
32 Methyl tert-butyl ether	73		3.070				ND	
34 trans-1,2-Dichloroethene	96		3.090				ND	
39 1,1-Dichloroethane	63		3.464				ND	
45 cis-1,2-Dichloroethene	96		3.940				ND	
43 2-Butanone (MEK)	43		3.971				ND	
50 Chloroform	83		4.199				ND	
51 1,1,1-Trichloroethane	97		4.293				ND	
52 Cyclohexane	56		4.303				ND	
55 Carbon tetrachloride	117		4.407				ND	
57 Benzene	78		4.583				ND	
58 1,2-Dichloroethane	62		4.645				ND	
62 Trichloroethene	95		5.080				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.173				ND	
65 1,2-Dichloropropane	63		5.267				ND	
68 Dichlorobromomethane	83		5.495				ND	
72 cis-1,3-Dichloropropene	75		5.816				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.920				ND	
74 Toluene	92		6.034				ND	
77 trans-1,3-Dichloropropene	75		6.241				ND	
79 1,1,2-Trichloroethane	83		6.396				ND	
81 Tetrachloroethene	166		6.448				ND	
80 2-Hexanone	43		6.552				ND	
83 Chlorodibromomethane	129		6.697				ND	
84 Ethylene Dibromide	107		6.780				ND	
87 Chlorobenzene	112		7.132				ND	
88 Ethylbenzene	91		7.194				ND	U
90 m-Xylene & p-Xylene	106		7.288				ND	
91 o-Xylene	106	7.609	7.609	0.000	97	42198	2.85	
92 Styrene	104		7.629				ND	U
95 Bromoform	173		7.826				ND	
94 Isopropylbenzene	105	7.889	7.889	0.000	96	429375	11.1	
97 1,1,2,2-Tetrachloroethane	83		8.199				ND	
99 N-Propylbenzene	91	8.220	8.220	0.000	99	620468	13.9	
102 1,3,5-Trimethylbenzene	105	8.365	8.355	0.010	95	2444464	72.6	
107 1,2,4-Trimethylbenzene	105	8.666	8.666	0.000	98	175025	5.03	
111 1,3-Dichlorobenzene	146		8.925				ND	
113 1,4-Dichlorobenzene	146		8.997				ND	
116 1,2-Dichlorobenzene	146		9.308				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.982				ND	
119 1,2,4-Trichlorobenzene	180		10.635				ND	
S 124 Xylenes, Total	1				0		2.85	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

C_8260_Surr_00174

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_IS_00157

Amount Added: 2.00

Units: uL

Run Reagent

Report Date: 10-Sep-2021 10:44:17

Chrom Revision: 2.3 13-May-2021 07:57:40

Euofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7457.D

Injection Date: 09-Sep-2021 12:12:30

Instrument ID: HP5973C

Operator ID: OI/AK

Lims ID: 480-189085-C-2

Lab Sample ID: 480-189085-2

Worklist Smp#: 11

Client ID: IW-3-20210901

Purge Vol: 5.000 mL

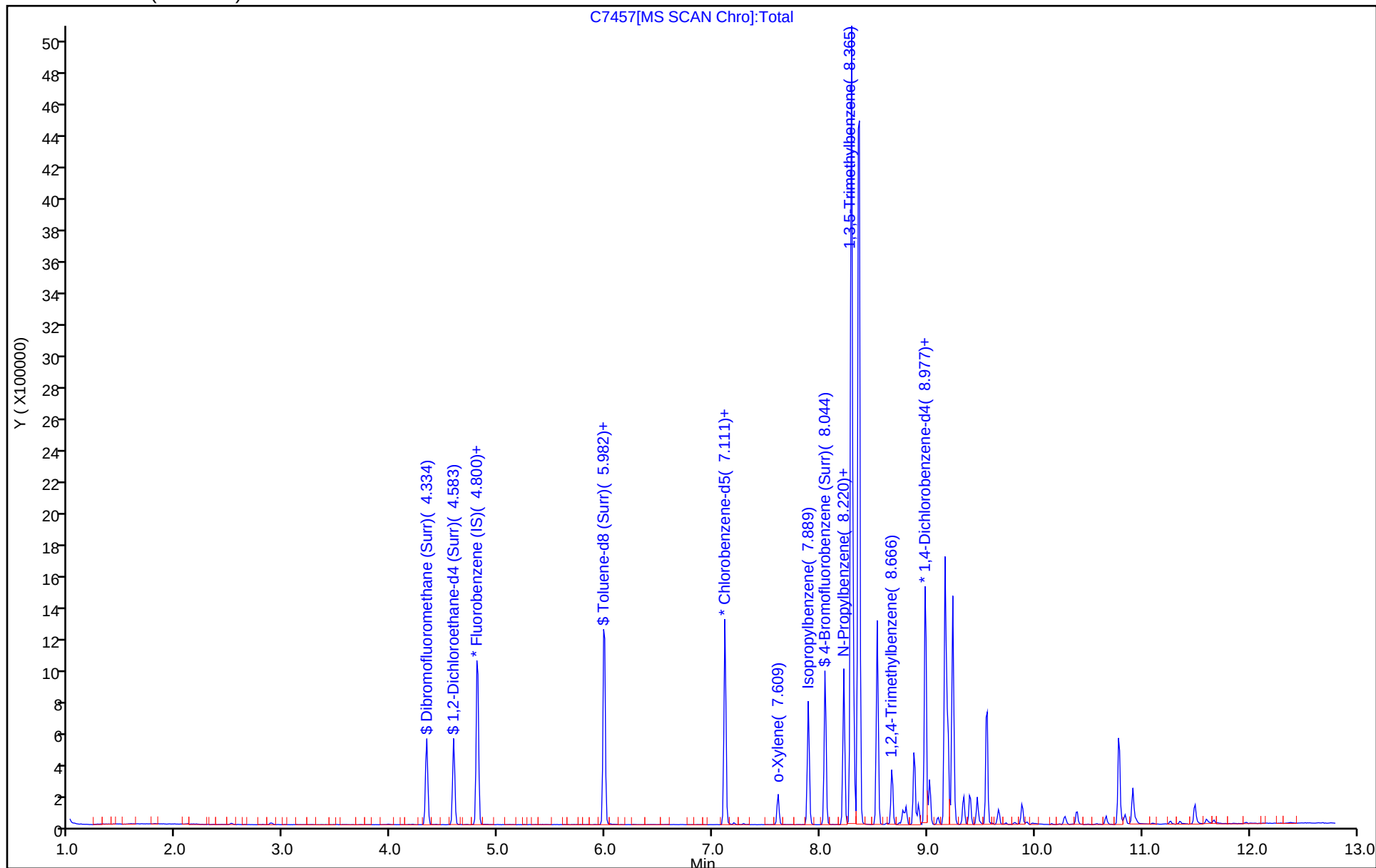
Dil. Factor: 5.0000

ALS Bottle#: 11

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7457.D

Injection Date: 09-Sep-2021 12:12:30

Instrument ID: HP5973C

Lims ID: 480-189085-C-2

Lab Sample ID: 480-189085-2

Client ID: IW-3-20210901

Operator ID: OI/AK

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

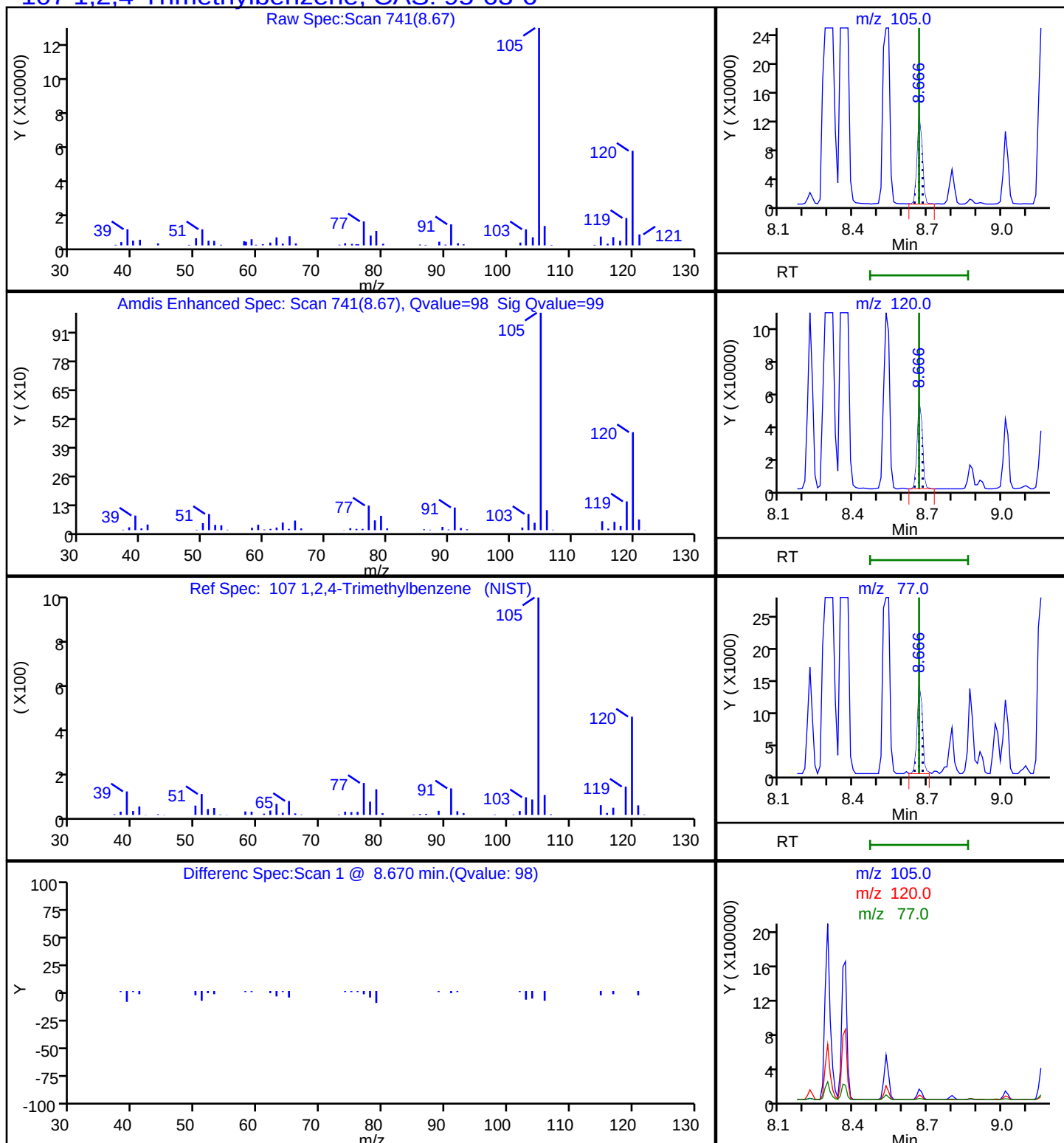
Dil. Factor: 5.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

107 1,2,4-Trimethylbenzene, CAS: 95-63-6

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7457.D

Injection Date: 09-Sep-2021 12:12:30

Instrument ID: HP5973C

Lims ID: 480-189085-C-2

Lab Sample ID: 480-189085-2

Client ID: IW-3-20210901

Operator ID: OI/AK

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

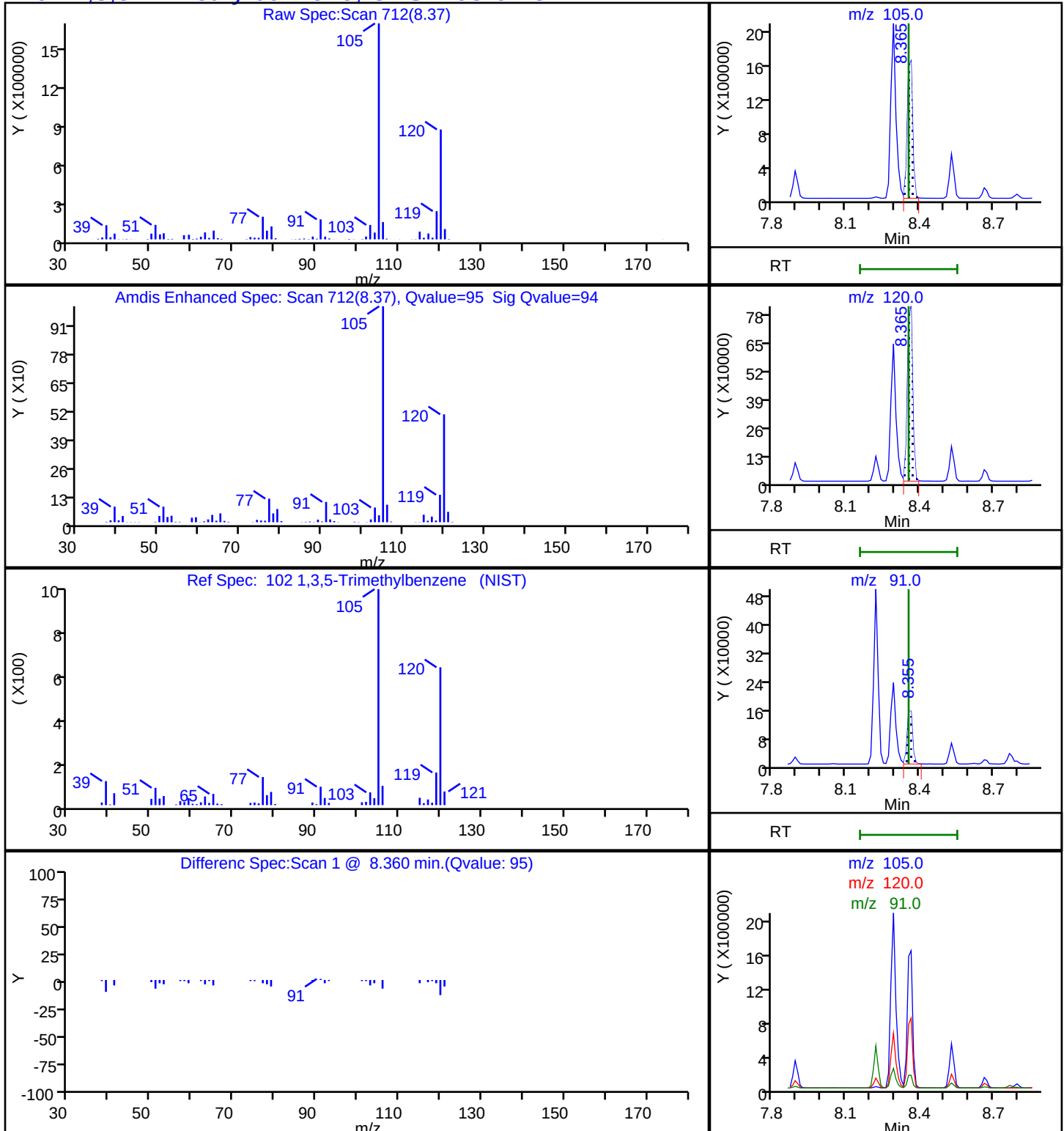
Dil. Factor: 5.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

102 1,3,5-Trimethylbenzene, CAS: 108-67-8

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7457.D

Injection Date: 09-Sep-2021 12:12:30

Instrument ID: HP5973C

Lims ID: 480-189085-C-2

Lab Sample ID: 480-189085-2

Client ID: IW-3-20210901

Operator ID: OI/AK

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

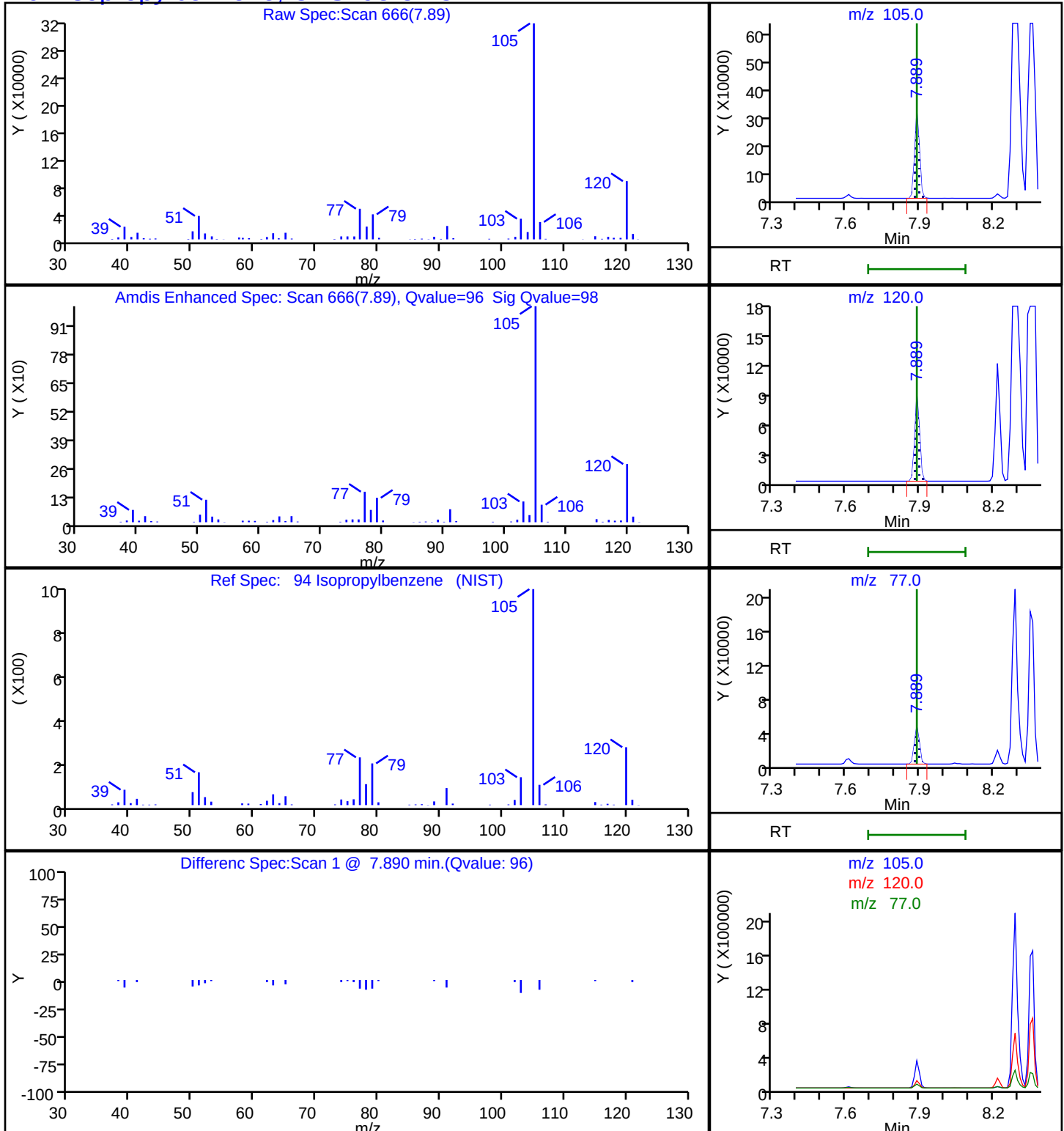
Dil. Factor: 5.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

94 Isopropylbenzene, CAS: 98-82-8

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7457.D

Injection Date: 09-Sep-2021 12:12:30

Instrument ID: HP5973C

Lims ID: 480-189085-C-2

Lab Sample ID: 480-189085-2

Client ID: IW-3-20210901

Operator ID: OI/AK

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

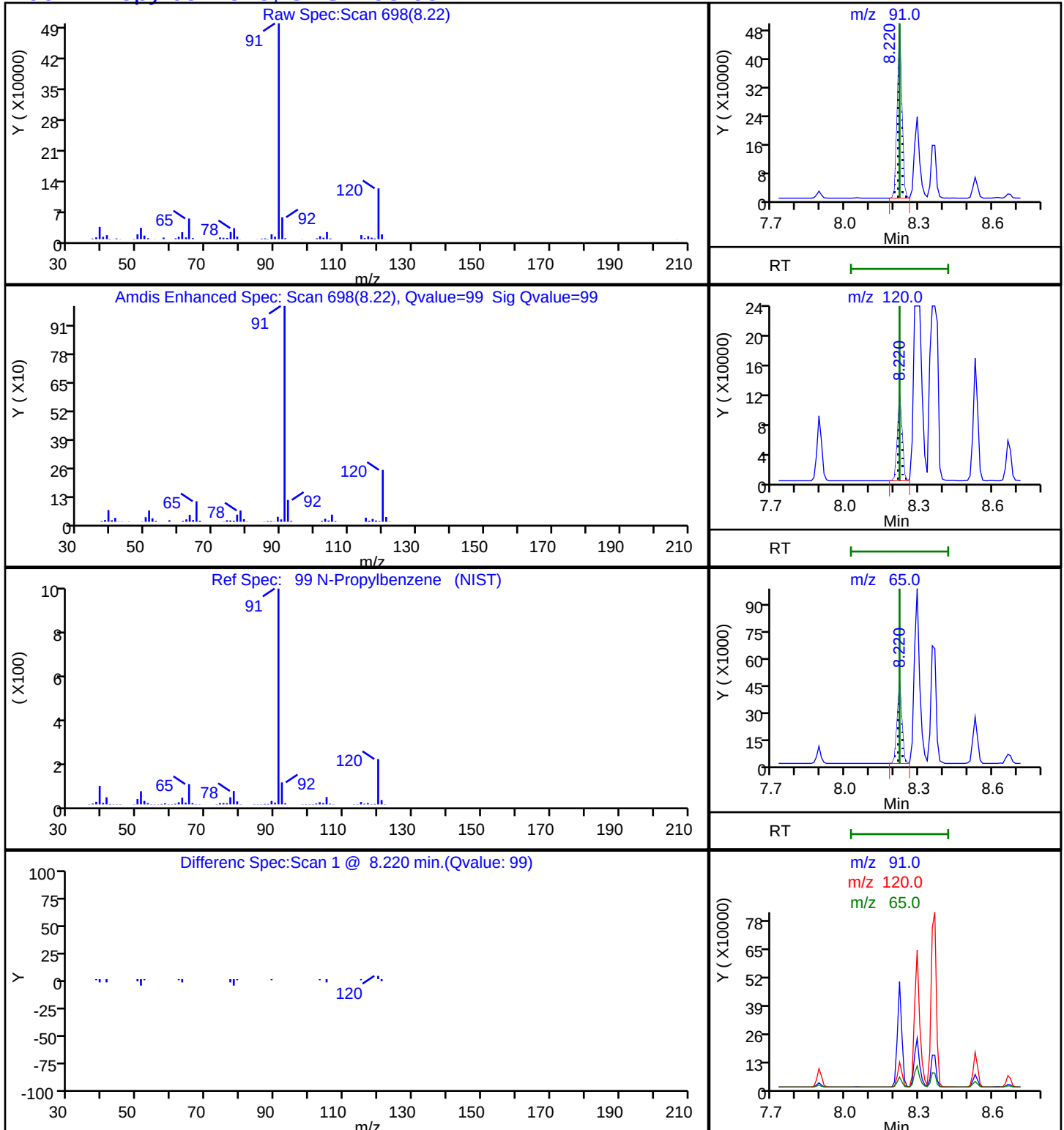
Dil. Factor: 5.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Detector MS SCAN

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7457.D

Injection Date: 09-Sep-2021 12:12:30

Instrument ID: HP5973C

Lims ID: 480-189085-C-2

Lab Sample ID: 480-189085-2

Client ID: IW-3-20210901

Operator ID: OI/AK

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

Method: C-8260

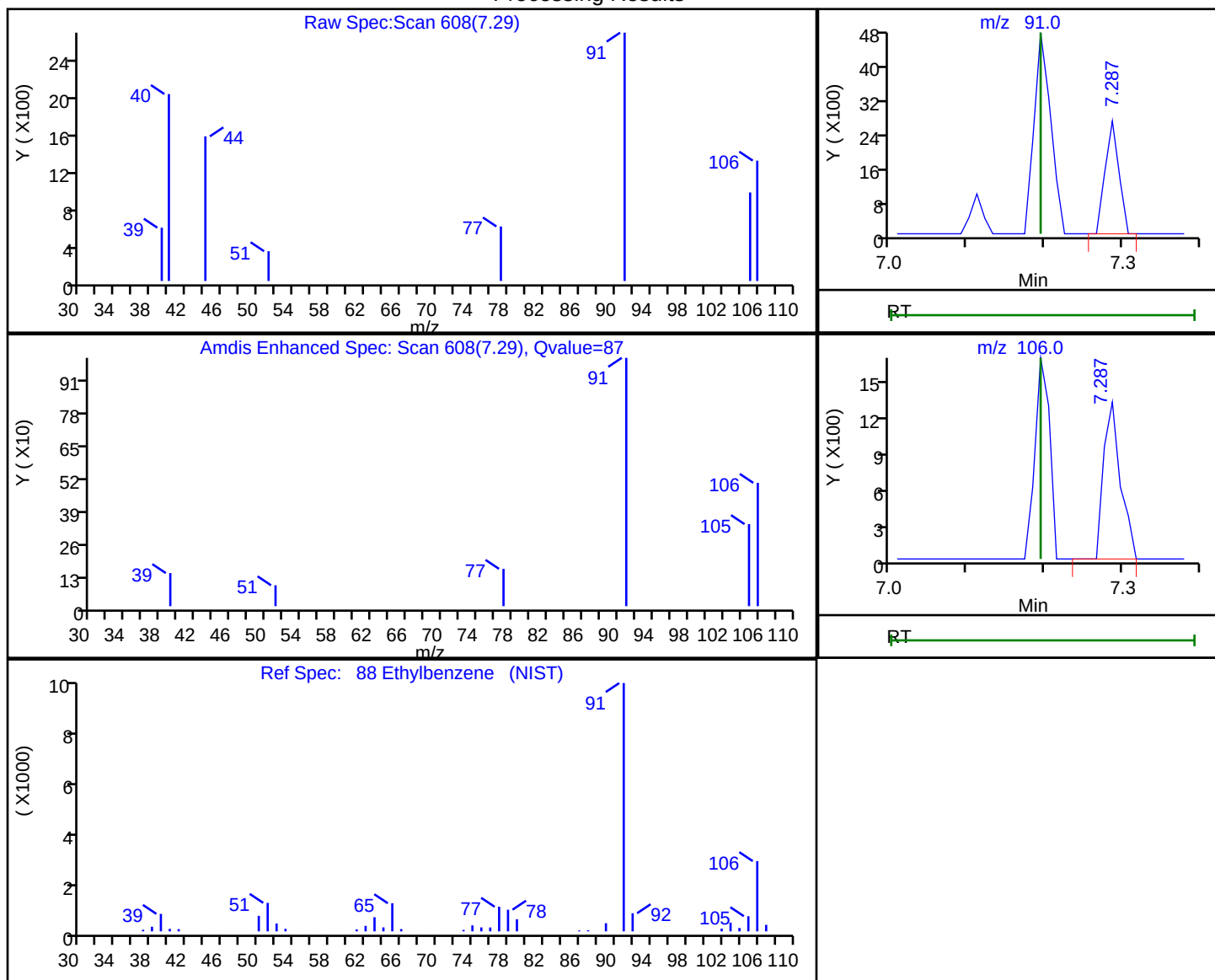
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

88 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
7.29	91.00	3326	0.092093
7.29	106.00	1986	

Reviewer: kiwana, 10-Sep-2021 10:43:45

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7457.D

Injection Date: 09-Sep-2021 12:12:30

Instrument ID: HP5973C

Lims ID: 480-189085-C-2

Lab Sample ID: 480-189085-2

Client ID: IW-3-20210901

Operator ID: OI/AK

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

Method: C-8260

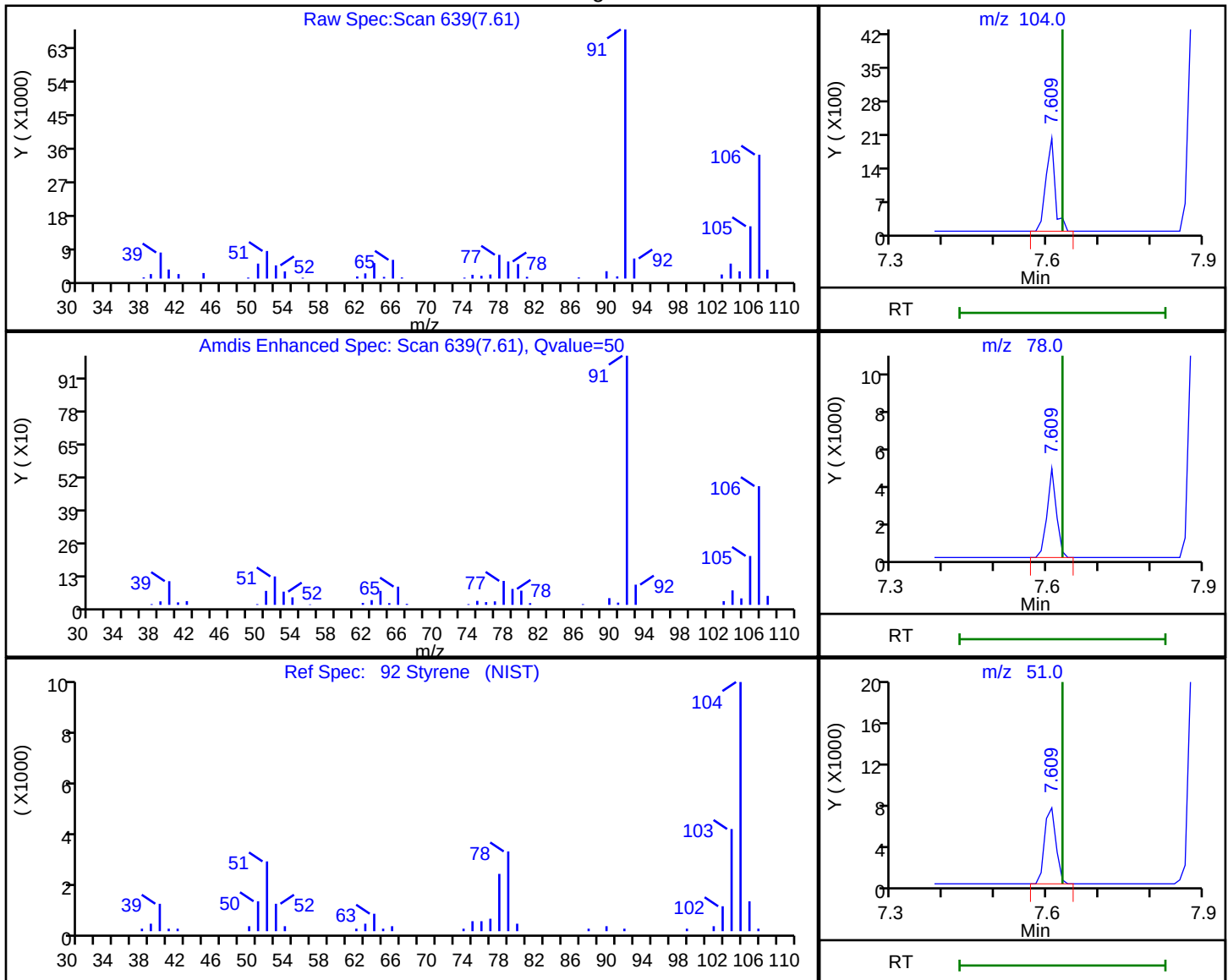
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

92 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
7.61	104.00	2406	0.102075
7.61	78.00	5765	
7.61	51.00	11415	

Reviewer: kiwana, 10-Sep-2021 10:43:52

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Client Sample ID: VRI-1-20210901 Lab Sample ID: 480-189085-3

Matrix: Water Lab File ID: C7458.D

Analysis Method: 8260C Date Collected: 09/01/2021 09:40

Sample wt/vol: 5 (mL) Date Analyzed: 09/09/2021 12:35

Soil Aliquot Vol: _____ Dilution Factor: 8

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

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

Analysis Batch No.: 595662 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		8.0	6.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		8.0	1.7
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5
79-00-5	1,1,2-Trichloroethane	ND		8.0	1.8
75-34-3	1,1-Dichloroethane	ND		8.0	3.0
75-35-4	1,1-Dichloroethene	ND		8.0	2.3
120-82-1	1,2,4-Trichlorobenzene	ND		8.0	3.3
95-63-6	1,2,4-Trimethylbenzene	190		8.0	6.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		8.0	3.1
106-93-4	1,2-Dibromoethane	ND		8.0	5.8
95-50-1	1,2-Dichlorobenzene	ND		8.0	6.3
107-06-2	1,2-Dichloroethane	ND		8.0	1.7
78-87-5	1,2-Dichloropropane	ND		8.0	5.8
108-67-8	1,3,5-Trimethylbenzene	510		8.0	6.2
541-73-1	1,3-Dichlorobenzene	ND		8.0	6.2
106-46-7	1,4-Dichlorobenzene	ND		8.0	6.7
78-93-3	2-Butanone (MEK)	ND		80	11
591-78-6	2-Hexanone	ND		40	9.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		40	17
67-64-1	Acetone	ND		80	24
71-43-2	Benzene	ND		8.0	3.3
75-27-4	Bromodichloromethane	ND		8.0	3.1
75-25-2	Bromoform	ND		8.0	2.1
74-83-9	Bromomethane	ND		8.0	5.5
75-15-0	Carbon disulfide	ND		8.0	1.5
56-23-5	Carbon tetrachloride	ND		8.0	2.2
108-90-7	Chlorobenzene	ND		8.0	6.0
75-00-3	Chloroethane	ND		8.0	2.6
67-66-3	Chloroform	ND		8.0	2.7
74-87-3	Chloromethane	ND		8.0	2.8
156-59-2	cis-1,2-Dichloroethene	ND		8.0	6.5
10061-01-5	cis-1,3-Dichloropropene	ND		8.0	2.9
110-82-7	Cyclohexane	ND		8.0	1.4
124-48-1	Dibromochloromethane	ND		8.0	2.6
75-71-8	Dichlorodifluoromethane	ND		8.0	5.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: VRI-1-20210901 Lab Sample ID: 480-189085-3
 Matrix: Water Lab File ID: C7458.D
 Analysis Method: 8260C Date Collected: 09/01/2021 09:40
 Sample wt/vol: 5(mL) Date Analyzed: 09/09/2021 12:35
 Soil Aliquot Vol: _____ Dilution Factor: 8
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595662 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		8.0	5.9
98-82-8	Isopropylbenzene	19		8.0	6.3
79-20-9	Methyl acetate	ND		20	10
1634-04-4	Methyl tert-butyl ether	ND		8.0	1.3
108-87-2	Methylcyclohexane	ND		8.0	1.3
75-09-2	Methylene Chloride	ND		8.0	3.5
103-65-1	N-Propylbenzene	18		8.0	5.5
100-42-5	Styrene	ND		8.0	5.8
127-18-4	Tetrachloroethene	ND		8.0	2.9
108-88-3	Toluene	ND		8.0	4.1
156-60-5	trans-1,2-Dichloroethene	ND		8.0	7.2
10061-02-6	trans-1,3-Dichloropropene	ND		8.0	3.0
79-01-6	Trichloroethene	ND		8.0	3.7
75-69-4	Trichlorofluoromethane	ND		8.0	7.0
75-01-4	Vinyl chloride	ND		8.0	7.2
1330-20-7	Xylenes, Total	40		16	5.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7458.D
 Lims ID: 480-189085-C-3
 Client ID: VRI-1-20210901
 Sample Type: Client
 Inject. Date: 09-Sep-2021 12:35:30 ALS Bottle#: 12 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 8.0000
 Sample Info: 480-189085-C-3
 Misc. Info.: 480-0100868-012
 Operator ID: OI/AK Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Sep-2021 10:45:05 Calib Date: 01-Sep-2021 21:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7205.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1616

First Level Reviewer: kiwana

Date: 10-Sep-2021 10:45:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.801	4.801	0.001	99	150389	25.0	
* 2 Chlorobenzene-d5	82	7.112	7.111	0.001	85	302242	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.977	8.977	0.000	94	377236	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	255986	26.2	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.583	0.000	96	131014	24.4	
\$ 5 Toluene-d8 (Surr)	98	5.982	5.982	0.000	94	721654	26.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.044	8.044	0.000	90	229152	26.3	
10 Dichlorodifluoromethane	85		1.080				ND	
12 Chloromethane	50		1.236				ND	
13 Vinyl chloride	62		1.329				ND	
14 Bromomethane	94		1.609				ND	
15 Chloroethane	64		1.691				ND	
17 Trichlorofluoromethane	101		1.909				ND	
21 112TCTFE	101		2.386				ND	
22 1,1-Dichloroethene	96		2.396				ND	
23 Acetone	43		2.510				ND	
26 Carbon disulfide	76		2.583				ND	
27 Methyl acetate	43		2.790				ND	
30 Methylene Chloride	84		2.883				ND	7
32 Methyl tert-butyl ether	73		3.070				ND	
34 trans-1,2-Dichloroethene	96		3.090				ND	
39 1,1-Dichloroethane	63		3.464				ND	
45 cis-1,2-Dichloroethene	96		3.940				ND	
43 2-Butanone (MEK)	43		3.971				ND	
50 Chloroform	83		4.199				ND	
51 1,1,1-Trichloroethane	97		4.293				ND	
52 Cyclohexane	56		4.303				ND	
55 Carbon tetrachloride	117		4.407				ND	
57 Benzene	78		4.583				ND	
58 1,2-Dichloroethane	62		4.645				ND	7
62 Trichloroethene	95		5.080				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.173				ND	
65 1,2-Dichloropropane	63		5.267				ND	
68 Dichlorobromomethane	83		5.495				ND	
72 cis-1,3-Dichloropropene	75		5.816				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.920				ND	
74 Toluene	92		6.034				ND	
77 trans-1,3-Dichloropropene	75		6.241				ND	
79 1,1,2-Trichloroethane	83		6.396				ND	
81 Tetrachloroethene	166		6.448				ND	
80 2-Hexanone	43		6.552				ND	
83 Chlorodibromomethane	129		6.697				ND	
84 Ethylene Dibromide	107		6.780				ND	
87 Chlorobenzene	112		7.132				ND	
88 Ethylbenzene	91	7.194	7.194	0.000	96	8334	0.2277	
90 m-Xylene & p-Xylene	106	7.288	7.288	0.000	92	8565	0.5999	
91 o-Xylene	106	7.609	7.609	0.000	97	75308	5.02	
92 Styrene	104		7.629				ND	U
95 Bromoform	173		7.826				ND	
94 Isopropylbenzene	105	7.889	7.889	0.000	96	97736	2.41	
97 1,1,2,2-Tetrachloroethane	83		8.199				ND	
99 N-Propylbenzene	91	8.220	8.220	0.000	99	106779	2.28	
102 1,3,5-Trimethylbenzene	105	8.355	8.355	0.000	96	2241550	63.6	
107 1,2,4-Trimethylbenzene	105	8.666	8.666	0.000	97	883102	24.2	
111 1,3-Dichlorobenzene	146		8.925				ND	
113 1,4-Dichlorobenzene	146		8.997				ND	
116 1,2-Dichlorobenzene	146		9.308				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.982				ND	
119 1,2,4-Trichlorobenzene	180		10.635				ND	
S 124 Xylenes, Total	1				0		5.62	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

C_8260_Surr_00174

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_IS_00157

Amount Added: 2.00

Units: uL

Run Reagent

Report Date: 10-Sep-2021 10:45:05

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7458.D

Injection Date: 09-Sep-2021 12:35:30

Instrument ID: HP5973C

Operator ID: OI/AK

Lims ID: 480-189085-C-3

Lab Sample ID: 480-189085-3

Worklist Smp#: 12

Client ID: VRI-1-20210901

Purge Vol: 5.000 mL

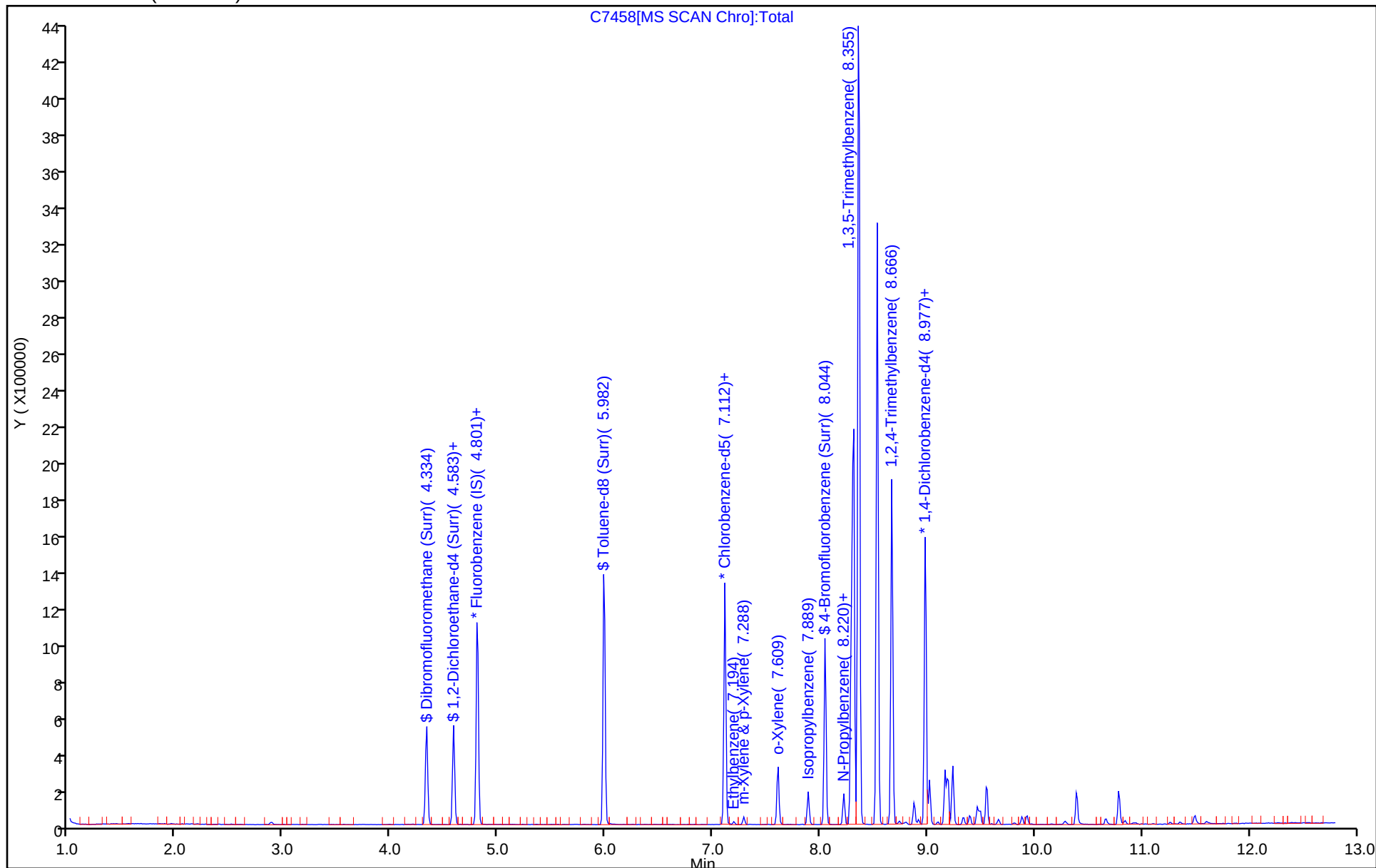
Dil. Factor: 8.0000

ALS Bottle#: 12

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7458.D

Injection Date: 09-Sep-2021 12:35:30

Instrument ID: HP5973C

Lims ID: 480-189085-C-3

Lab Sample ID: 480-189085-3

Client ID: VRI-1-20210901

Operator ID: OI/AK

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

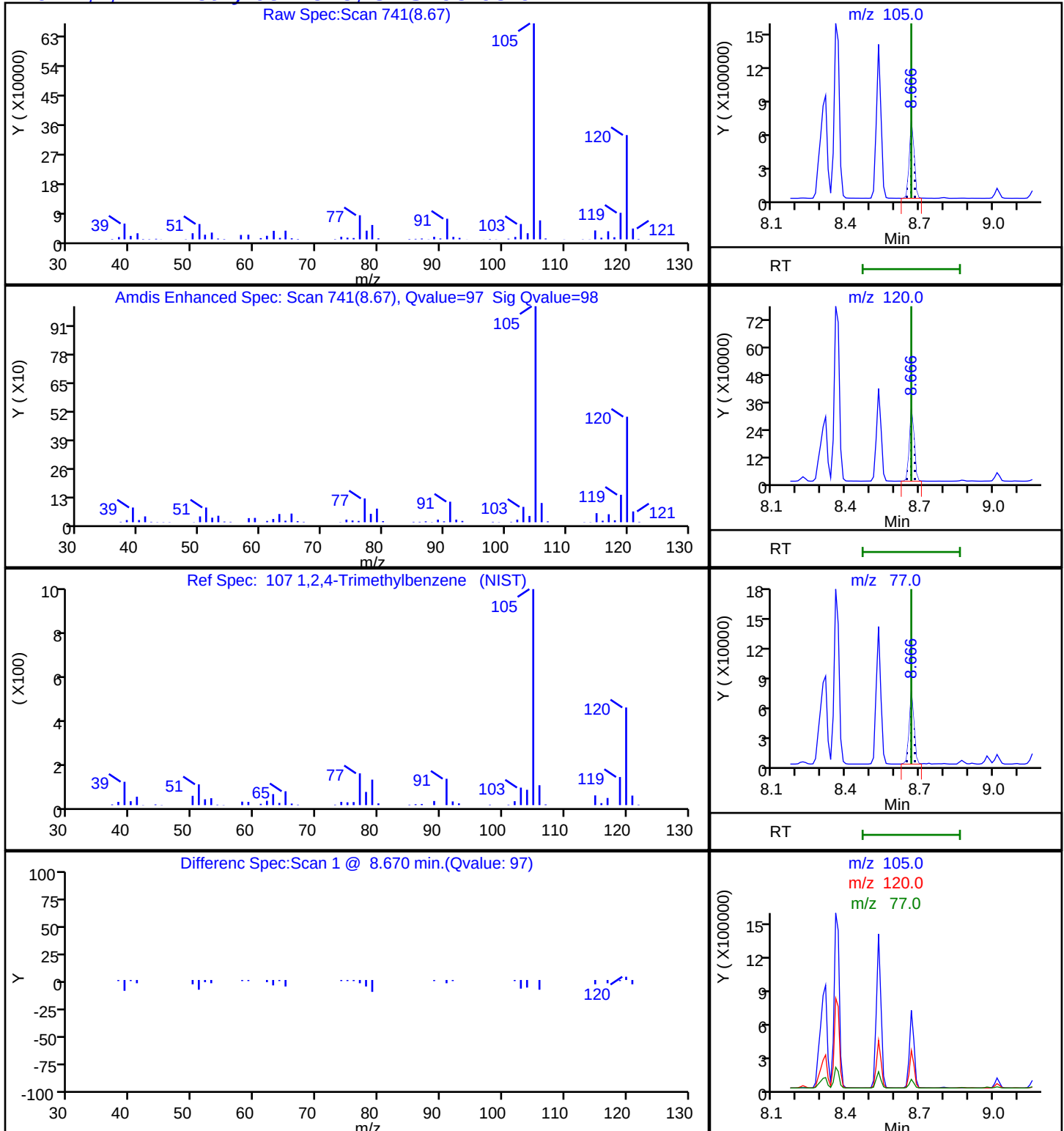
Dil. Factor: 8.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

107 1,2,4-Trimethylbenzene, CAS: 95-63-6

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7458.D

Injection Date: 09-Sep-2021 12:35:30

Instrument ID: HP5973C

Lims ID: 480-189085-C-3

Lab Sample ID: 480-189085-3

Client ID: VRI-1-20210901

Operator ID: OI/AK

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

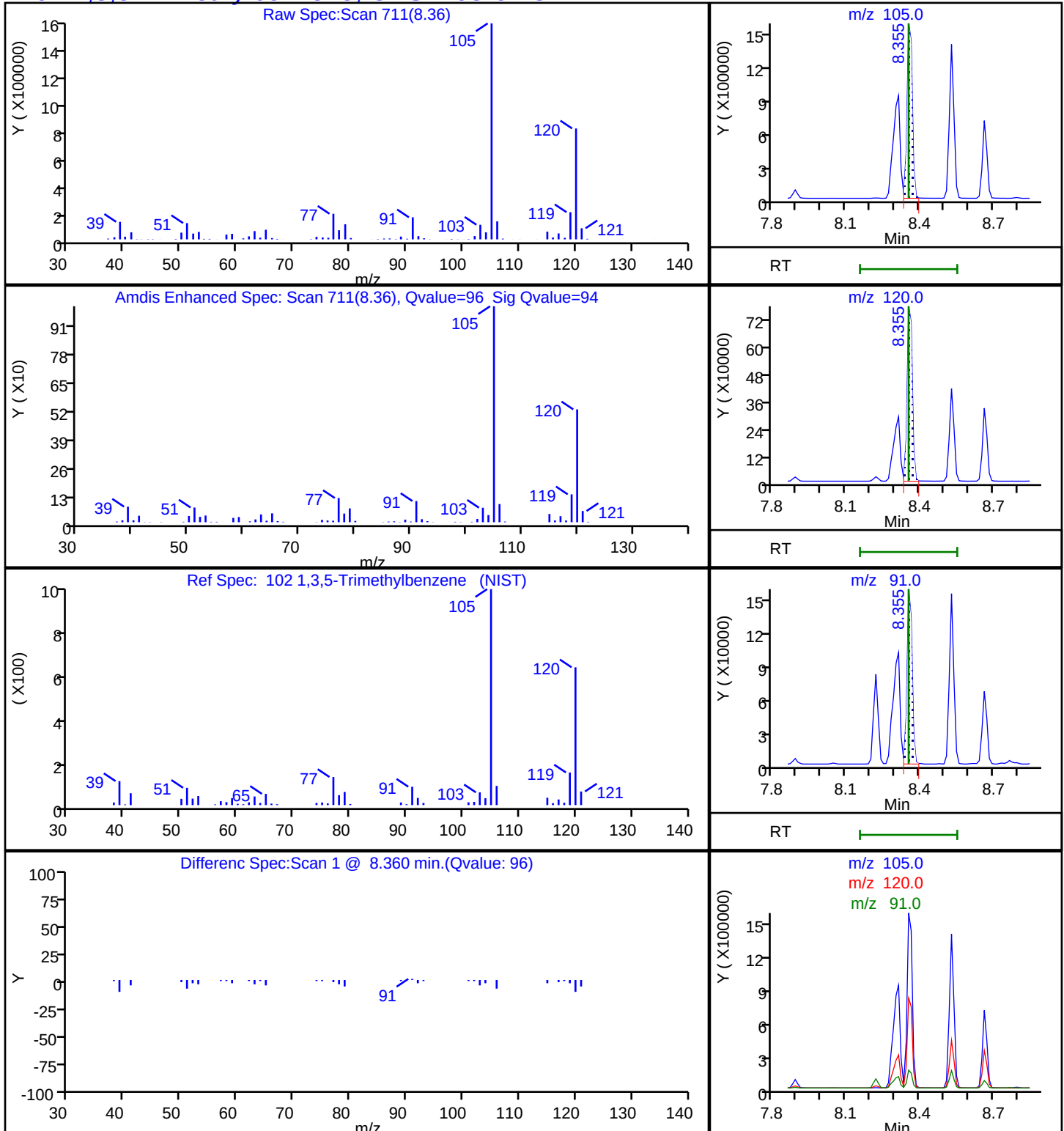
Dil. Factor: 8.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

102 1,3,5-Trimethylbenzene, CAS: 108-67-8

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7458.D

Injection Date: 09-Sep-2021 12:35:30

Instrument ID: HP5973C

Lims ID: 480-189085-C-3

Lab Sample ID: 480-189085-3

Client ID: VRI-1-20210901

Operator ID: OI/AK

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

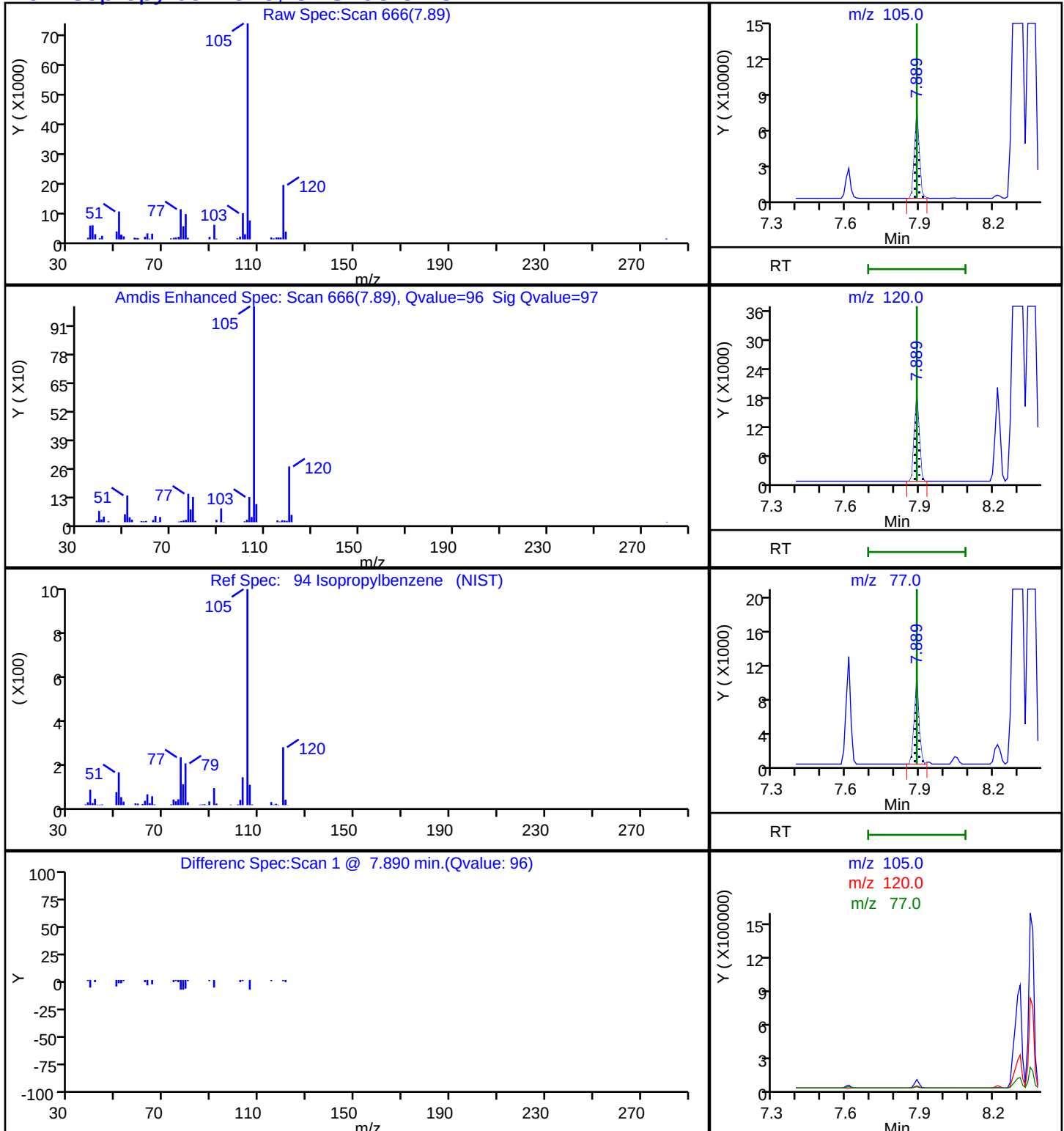
Dil. Factor: 8.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

94 Isopropylbenzene, CAS: 98-82-8

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7458.D

Injection Date: 09-Sep-2021 12:35:30

Instrument ID: HP5973C

Lims ID: 480-189085-C-3

Lab Sample ID: 480-189085-3

Client ID: VRI-1-20210901

Operator ID: OI/AK

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

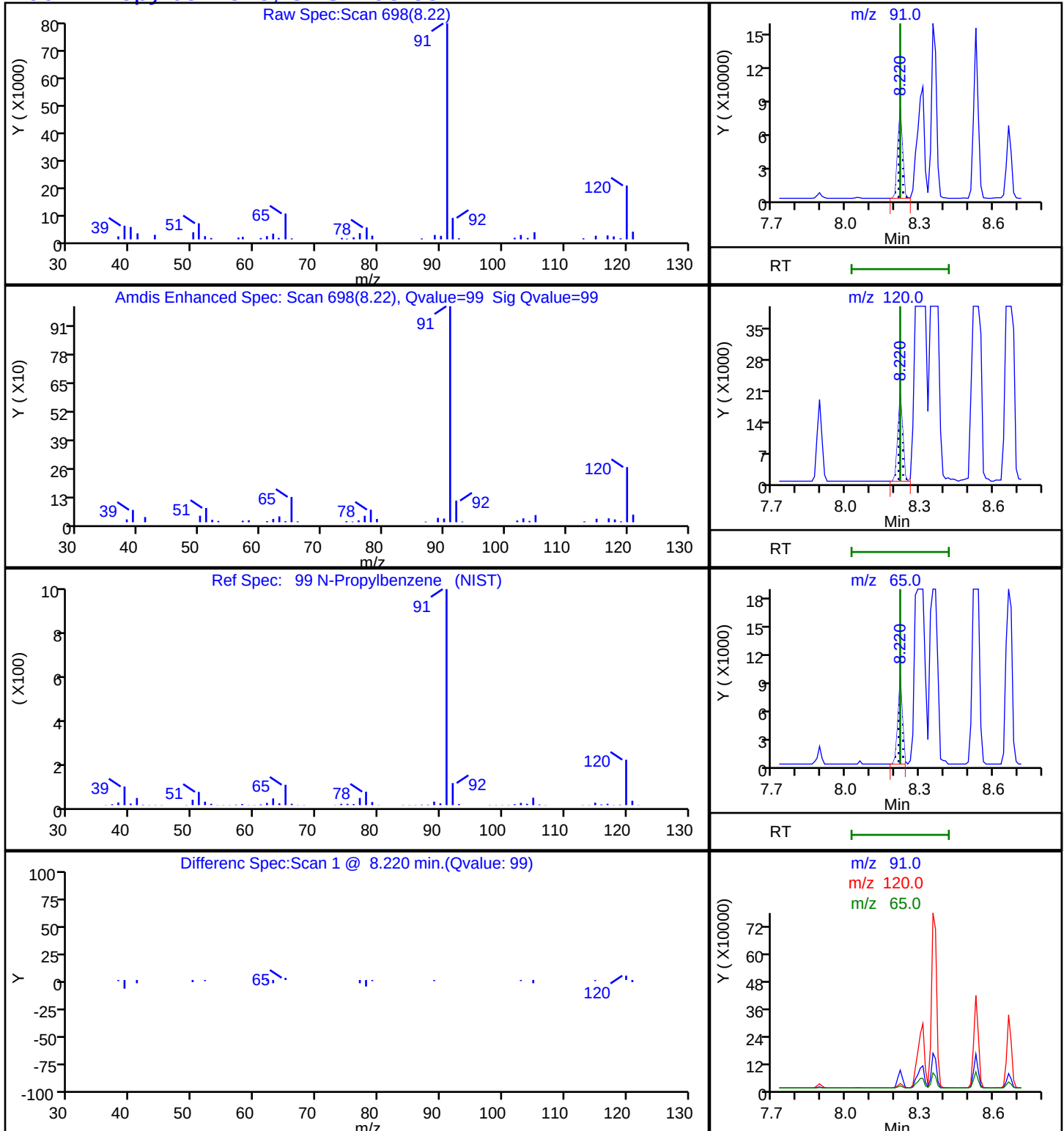
Dil. Factor: 8.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7458.D

Injection Date: 09-Sep-2021 12:35:30

Instrument ID: HP5973C

Lims ID: 480-189085-C-3

Lab Sample ID: 480-189085-3

Client ID: VRI-1-20210901

Operator ID: OI/AK

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 8.0000

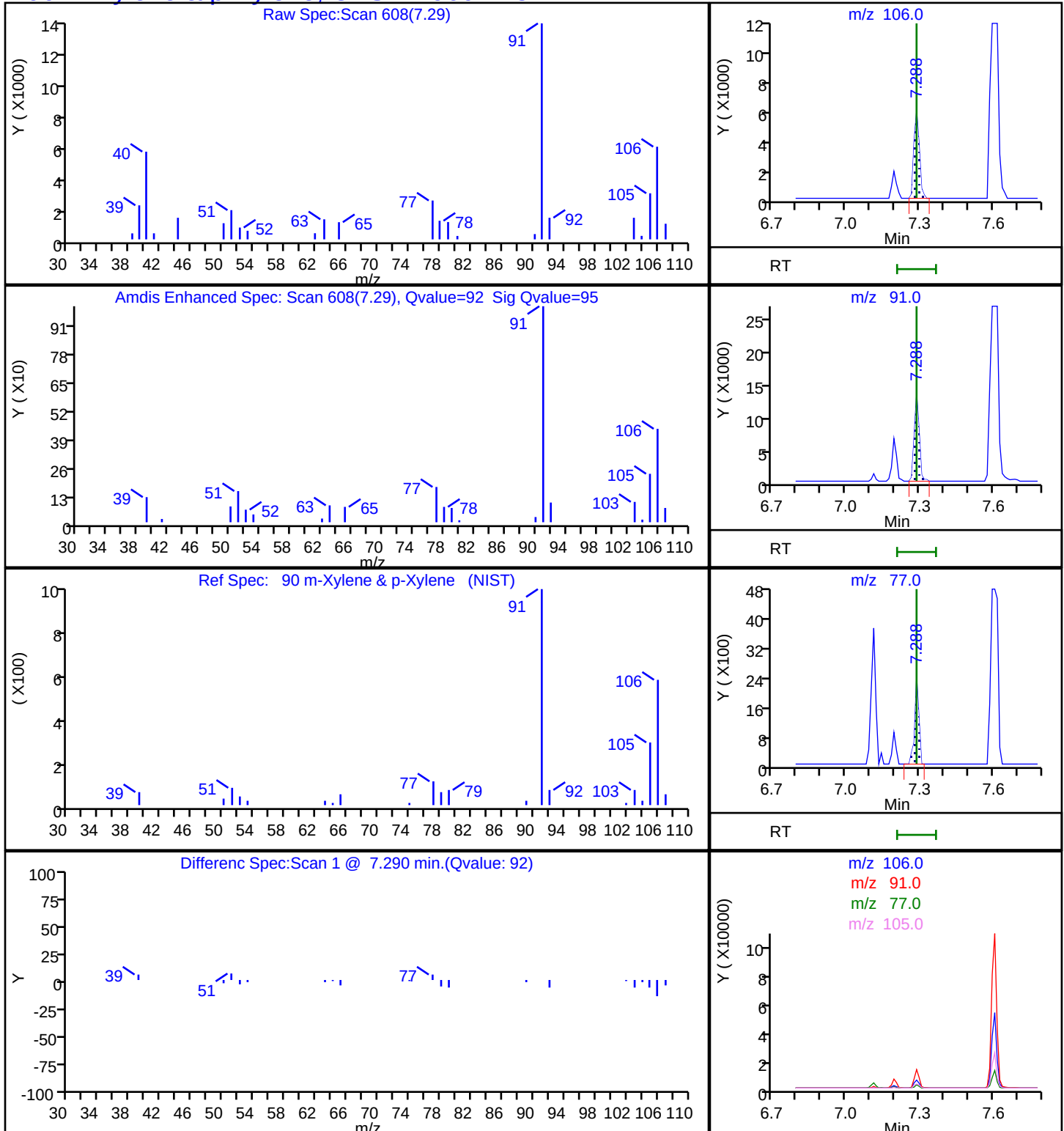
Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7458.D

Injection Date: 09-Sep-2021 12:35:30

Instrument ID: HP5973C

Lims ID: 480-189085-C-3

Lab Sample ID: 480-189085-3

Client ID: VRI-1-20210901

Operator ID: OI/AK

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

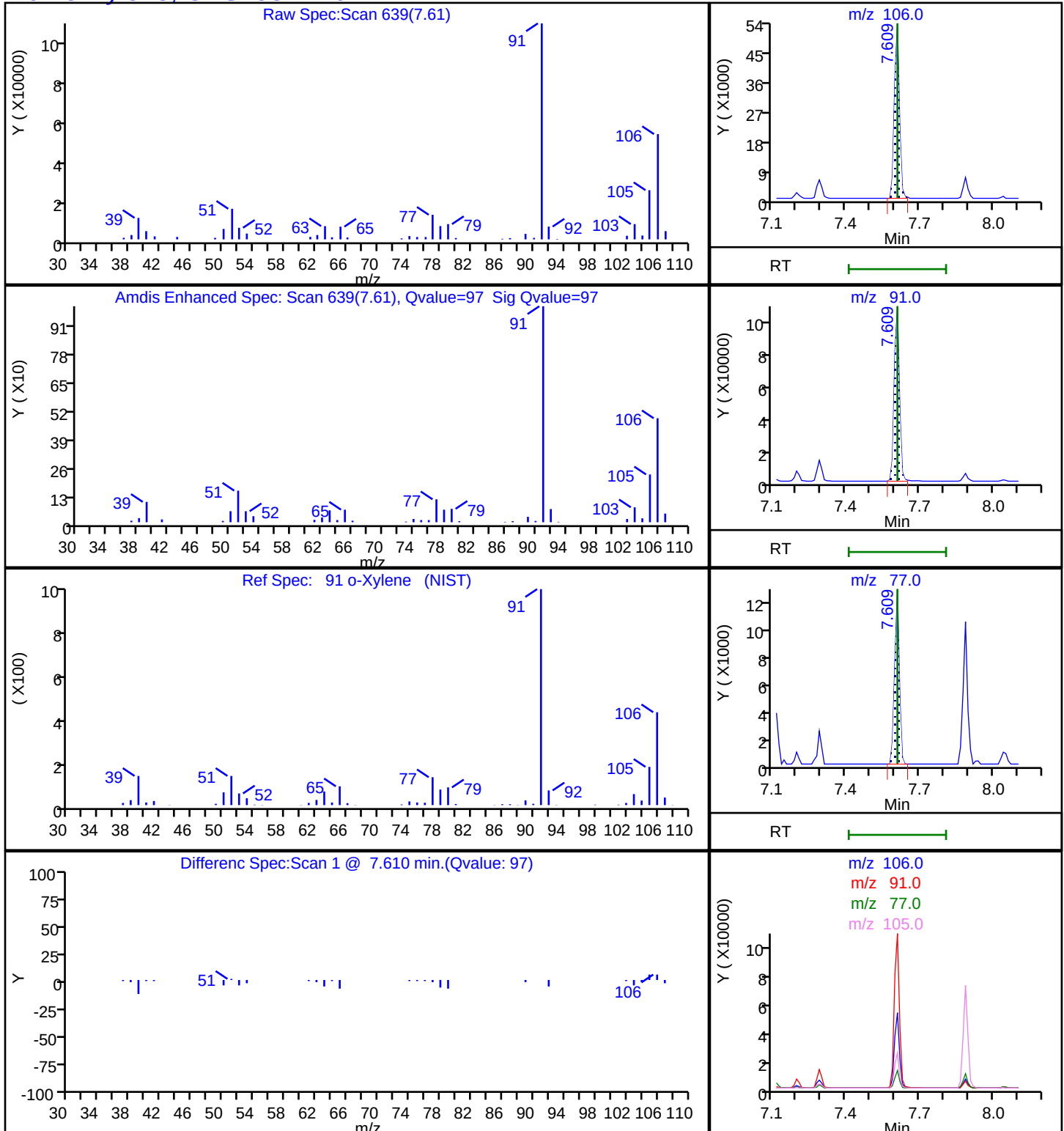
Dil. Factor: 8.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7458.D

Injection Date: 09-Sep-2021 12:35:30

Instrument ID: HP5973C

Lims ID: 480-189085-C-3

Lab Sample ID: 480-189085-3

Client ID: VRI-1-20210901

Operator ID: OI/AK

ALS Bottle#: 12 Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 8.0000

Method: C-8260

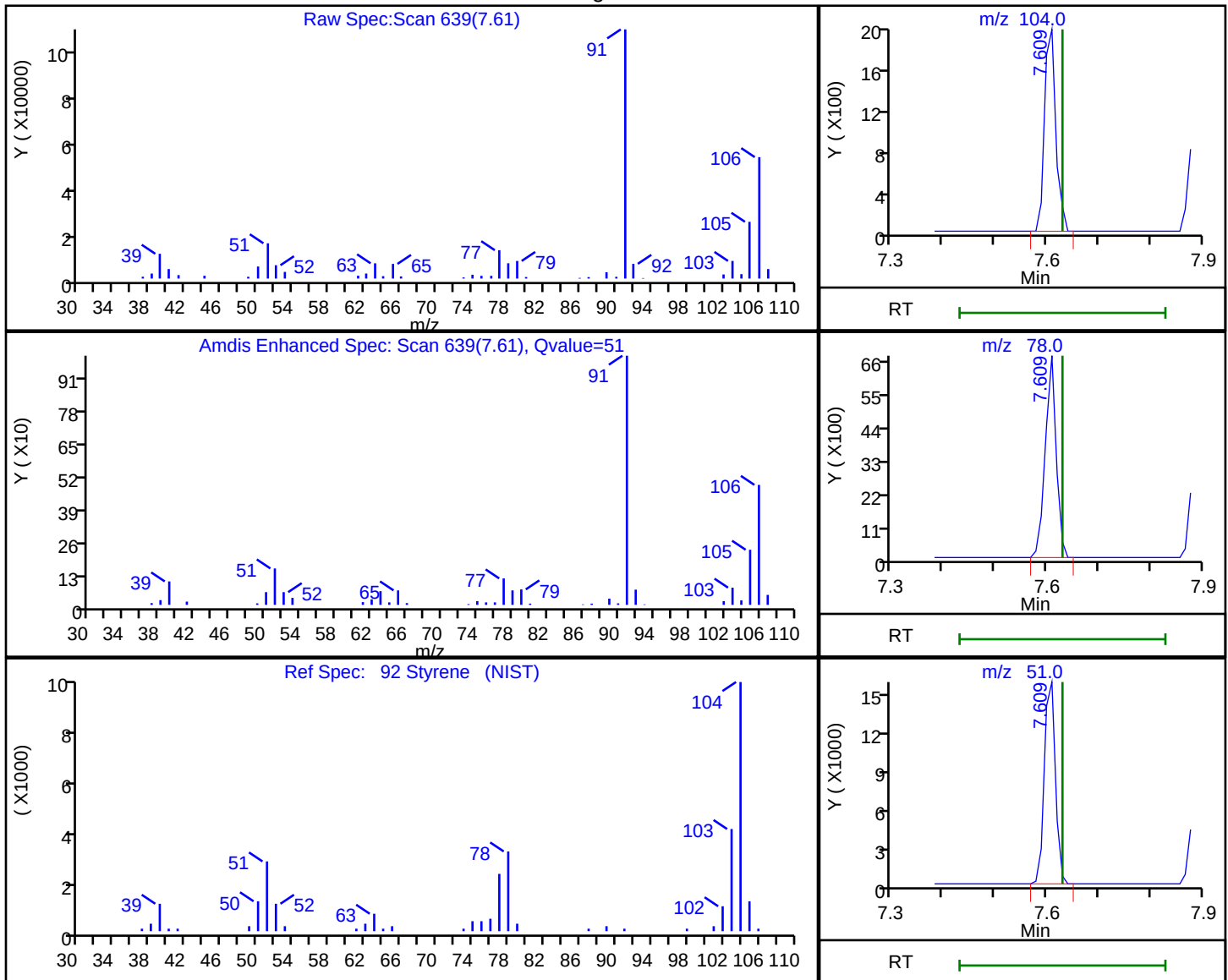
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

92 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
7.61	104.00	2962	0.123993
7.61	78.00	9965	
7.61	51.00	23360	

Reviewer: kiwana, 10-Sep-2021 10:44:45

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Client Sample ID: IW-6-20210901 Lab Sample ID: 480-189085-4

Matrix: Water Lab File ID: N5780.D

Analysis Method: 8260C Date Collected: 09/01/2021 11:10

Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 06:24

Soil Aliquot Vol: _____ Dilution Factor: 200

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

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

Analysis Batch No.: 595264 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	4500		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	2200		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
124-48-1	Dibromochloromethane	ND		200	64
75-71-8	Dichlorodifluoromethane	ND		200	140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: IW-6-20210901 Lab Sample ID: 480-189085-4
 Matrix: Water Lab File ID: N5780.D
 Analysis Method: 8260C Date Collected: 09/01/2021 11:10
 Sample wt/vol: 5(mL) Date Analyzed: 09/04/2021 06:24
 Soil Aliquot Vol: _____ Dilution Factor: 200
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		200	150
98-82-8	Isopropylbenzene	280		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	260		200	88
103-65-1	N-Propylbenzene	290		200	140
100-42-5	Styrene	ND		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	3200		400	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	110		75-123
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5780.D
 Lims ID: 480-189085-A-4
 Client ID: IW-6-20210901
 Sample Type: Client
 Inject. Date: 04-Sep-2021 06:24:30 ALS Bottle#: 51 Worklist Smp#: 21
 Purge Vol: 5.000 mL Dil. Factor: 200.0000
 Sample Info: 480-189085-A-4
 Misc. Info.: 480-0100806-021
 Operator ID: AK/LH Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Sep-2021 09:33:58 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1604

First Level Reviewer: kiwana

Date: 07-Sep-2021 09:33:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.412	5.406	0.006	98	114821	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.399	0.006	89	451067	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	96	248472	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	93	162975	27.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	97	211189	27.9	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	570984	25.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	89	177918	25.8	
11 Dichlorodifluoromethane	85		1.282				ND	
13 Chloromethane	50		1.452				ND	
14 Vinyl chloride	62		1.549				ND	
15 Bromomethane	94		1.854				ND	
16 Chloroethane	64		1.933				ND	
18 Trichlorofluoromethane	101		2.164				ND	
21 112TCTFE	101		2.650				ND	
22 1,1-Dichloroethene	96		2.657				ND	
23 Acetone	43		2.772				ND	
25 Carbon disulfide	76		2.857				ND	
28 Methyl acetate	43		3.070				ND	
30 Methylene Chloride	84	3.174	3.168	0.006	83	10680	1.30	
32 Methyl tert-butyl ether	73		3.381				ND	
33 trans-1,2-Dichloroethene	96		3.393				ND	
36 1,1-Dichloroethane	63		3.812				ND	
43 cis-1,2-Dichloroethene	96		4.366				ND	
44 2-Butanone (MEK)	43		4.403				ND	
50 Chloroform	83		4.676				ND	
51 1,1,1-Trichloroethane	97		4.792				ND	
52 Cyclohexane	56		4.798				ND	
53 Carbon tetrachloride	117		4.926				ND	
55 Benzene	78		5.145				ND	
57 1,2-Dichloroethane	62		5.212				ND	
60 Trichloroethene	95		5.753				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.869				ND	
63 1,2-Dichloropropane	63		5.996				ND	
67 Dichlorobromomethane	83		6.282				ND	
71 cis-1,3-Dichloropropene	75		6.702				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.848				ND	U
73 Toluene	92		6.982				ND	
75 trans-1,3-Dichloropropene	75		7.268				ND	
78 1,1,2-Trichloroethane	83		7.457				ND	
79 Tetrachloroethene	166		7.511				ND	
82 2-Hexanone	43		7.688				ND	
83 Chlorodibromomethane	129		7.852				ND	
84 Ethylene Dibromide	107		7.961				ND	
85 Chlorobenzene	112		8.430				ND	
88 Ethylbenzene	91		8.527				ND	
90 m-Xylene & p-Xylene	106	8.643	8.655	-0.006	94	18657	1.63	
91 o-Xylene	106	9.075	9.081	0.000	98	160936	14.6	
92 Styrene	104		9.099				ND	U
93 Bromoform	173		9.355				ND	
95 Isopropylbenzene	105	9.458	9.458	0.000	96	43610	1.42	
98 1,1,2,2-Tetrachloroethane	83		9.872				ND	
100 N-Propylbenzene	91	9.890	9.890	0.000	98	52187	1.45	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	97	276026	11.2	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	97	571214	22.6	
110 1,3-Dichlorobenzene	146		10.729				ND	
113 1,4-Dichlorobenzene	146		10.821				ND	
116 1,2-Dichlorobenzene	146		11.174				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.904				ND	
119 1,2,4-Trichlorobenzene	180		12.579				ND	
S 126 Xylenes, Total	1				0		16.3	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5780.D

Injection Date: 04-Sep-2021 06:24:30

Instrument ID: HP5973N

Operator ID: AK/LH

Lims ID: 480-189085-A-4

Lab Sample ID: 480-189085-4

Worklist Smp#: 21

Client ID: IW-6-20210901

Purge Vol: 5.000 mL

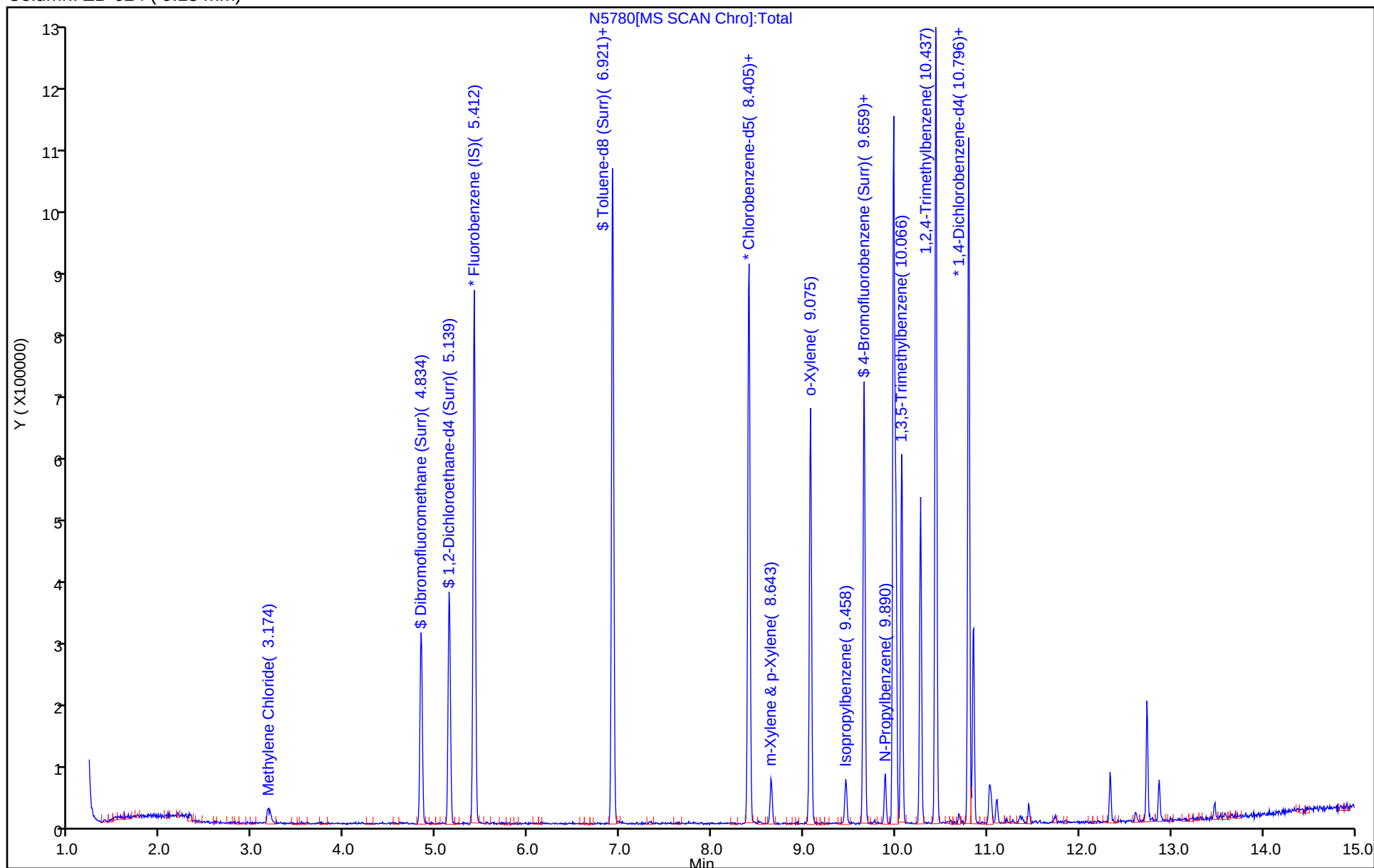
Dil. Factor: 200.0000

ALS Bottle#: 51

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5780.D

Injection Date: 04-Sep-2021 06:24:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-4

Lab Sample ID: 480-189085-4

Client ID: IW-6-20210901

Operator ID: AK/LH

ALS Bottle#: 51

Worklist Smp#: 21

Purge Vol: 5.000 mL

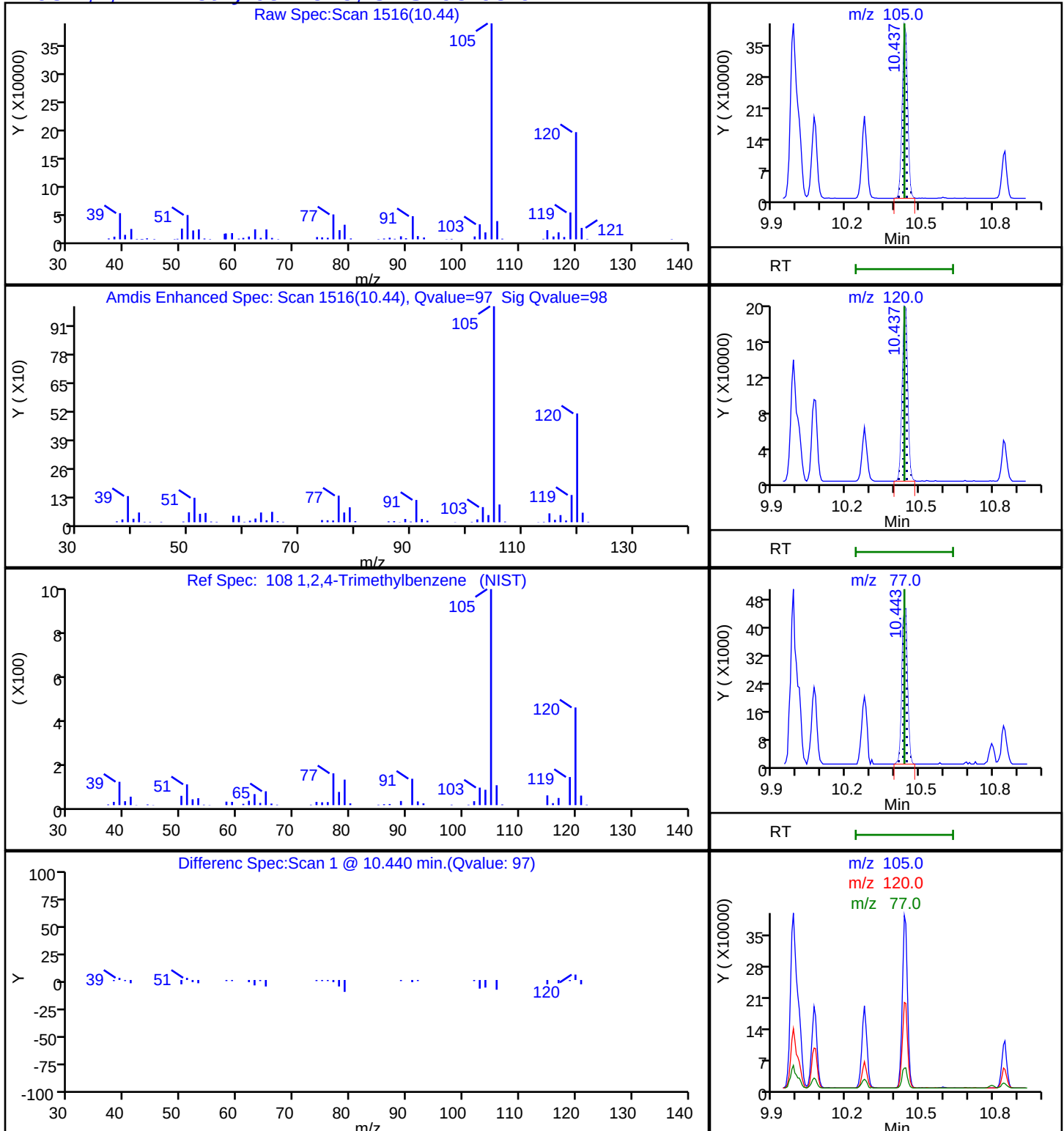
Dil. Factor: 200.0000

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 TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5780.D

Injection Date: 04-Sep-2021 06:24:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-4

Lab Sample ID: 480-189085-4

Client ID: IW-6-20210901

Operator ID: AK/LH

ALS Bottle#: 51

Worklist Smp#: 21

Purge Vol: 5.000 mL

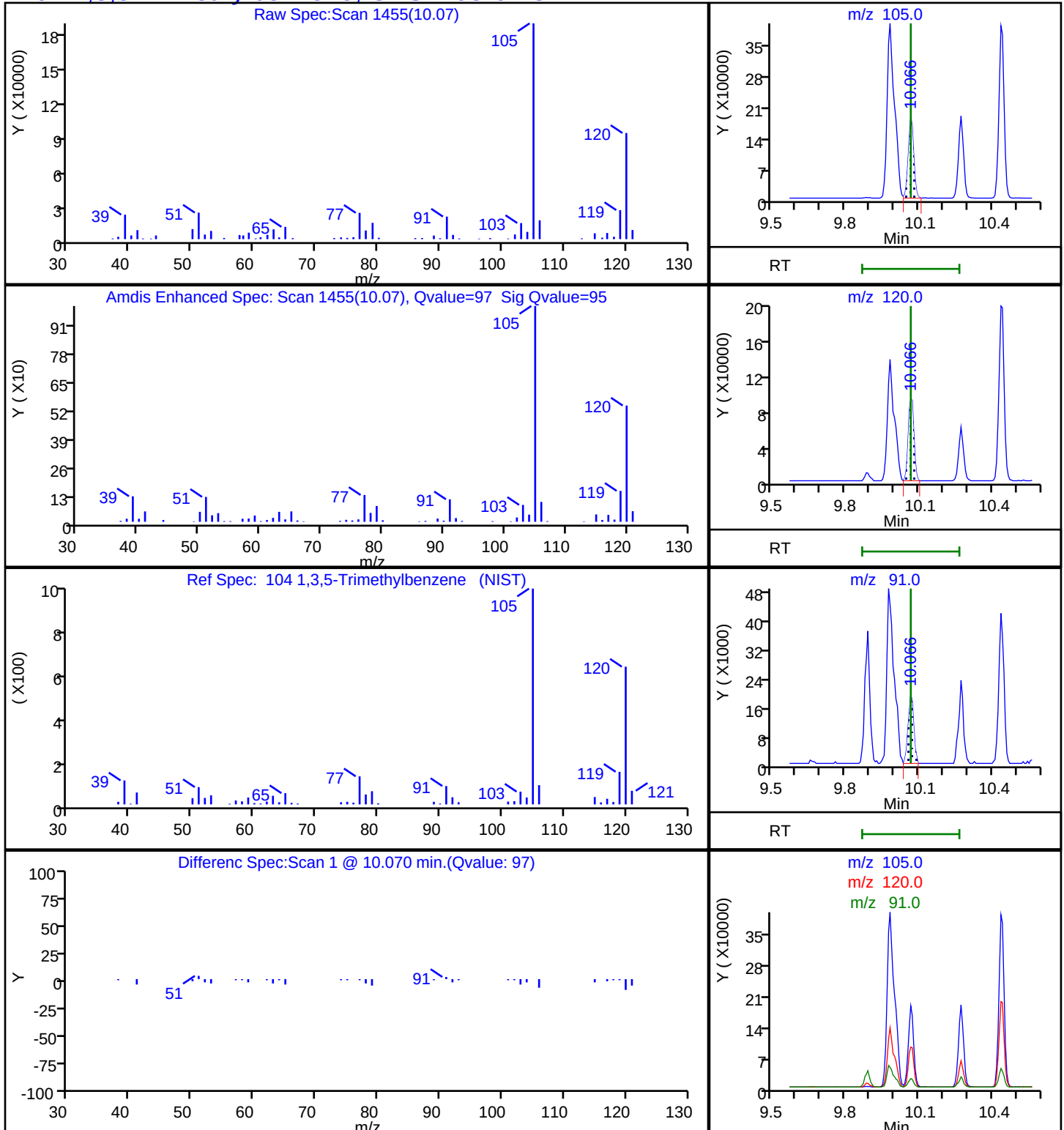
Dil. Factor: 200.0000

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 TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5780.D

Injection Date: 04-Sep-2021 06:24:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-4

Lab Sample ID: 480-189085-4

Client ID: IW-6-20210901

Operator ID: AK/LH

ALS Bottle#: 51

Worklist Smp#: 21

Purge Vol: 5.000 mL

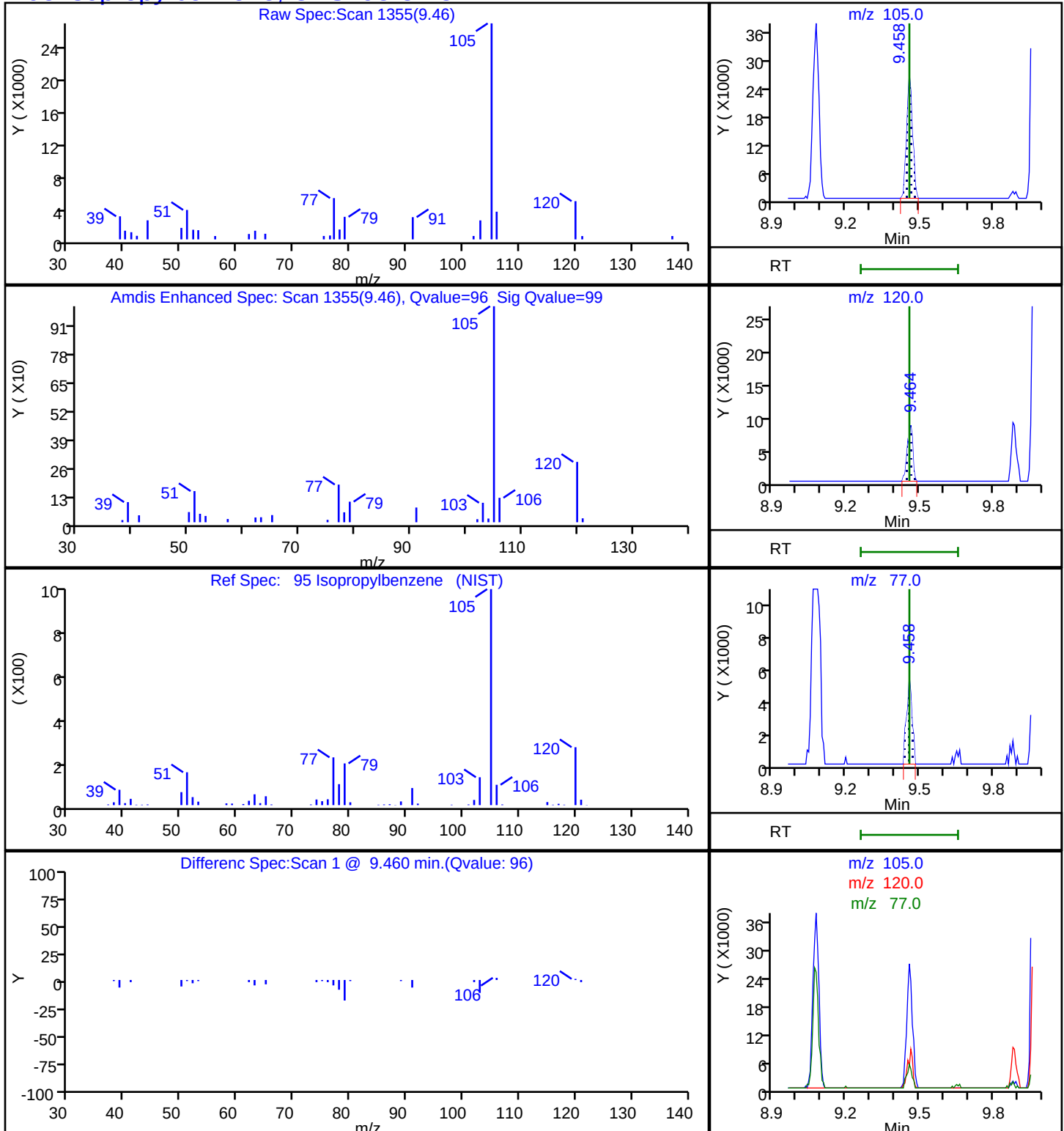
Dil. Factor: 200.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

95 Isopropylbenzene, CAS: 98-82-8

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5780.D

Injection Date: 04-Sep-2021 06:24:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-4

Lab Sample ID: 480-189085-4

Client ID: IW-6-20210901

Operator ID: AK/LH

ALS Bottle#: 51

Worklist Smp#: 21

Purge Vol: 5.000 mL

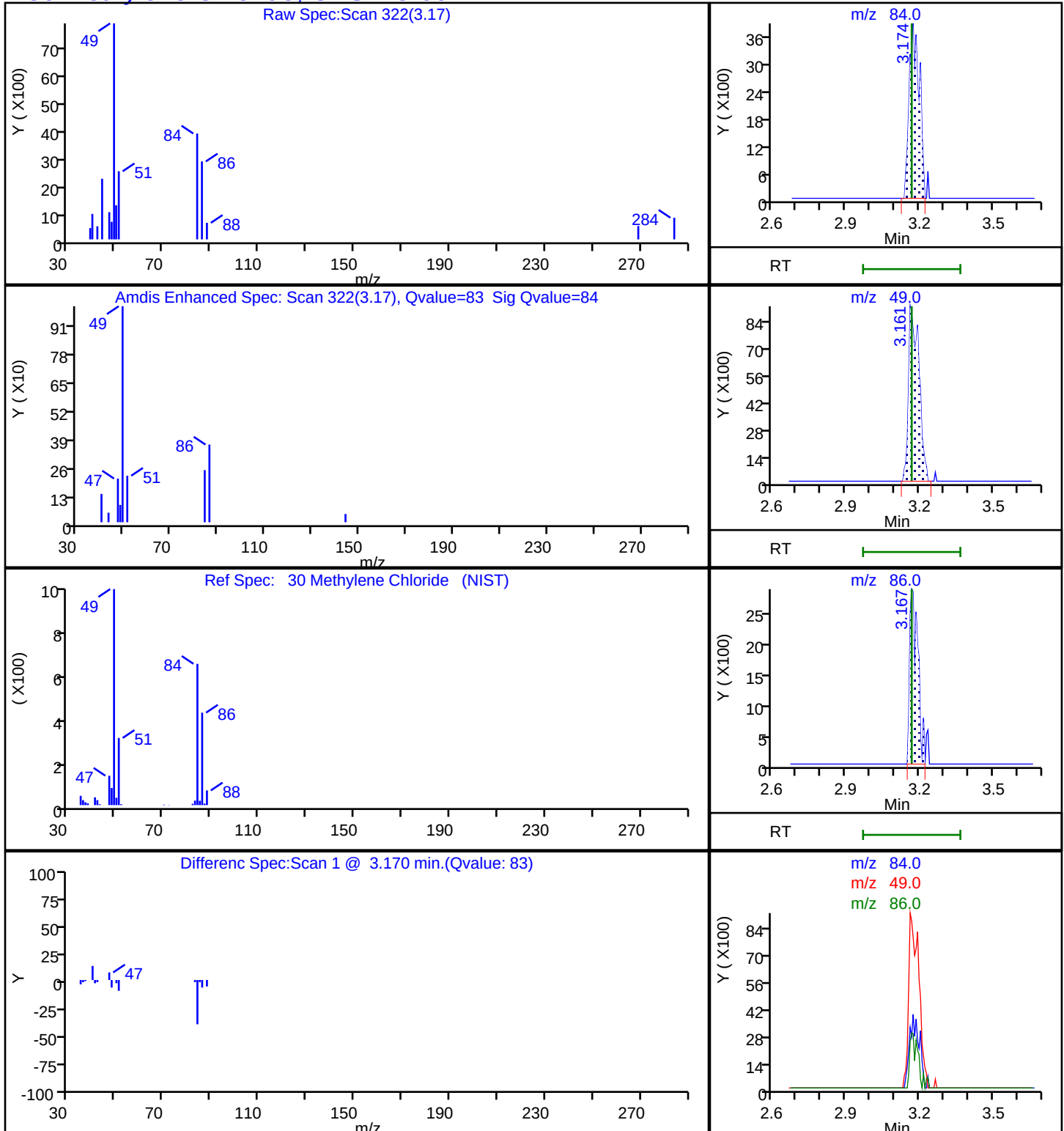
Dil. Factor: 200.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5780.D

Injection Date: 04-Sep-2021 06:24:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-4

Lab Sample ID: 480-189085-4

Client ID: IW-6-20210901

Operator ID: AK/LH

ALS Bottle#: 51

Worklist Smp#: 21

Purge Vol: 5.000 mL

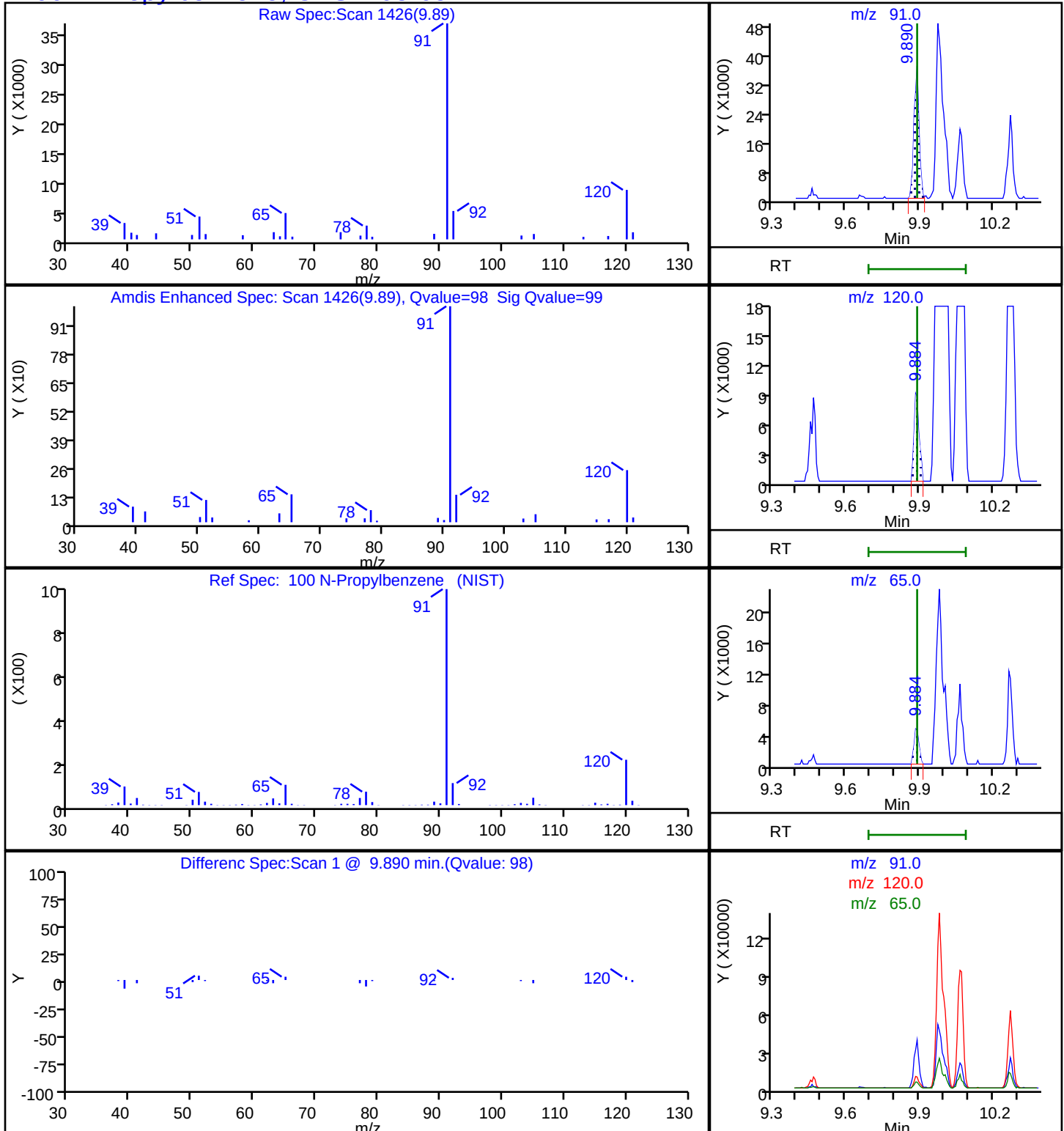
Dil. Factor: 200.0000

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 TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5780.D

Injection Date: 04-Sep-2021 06:24:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-4

Lab Sample ID: 480-189085-4

Client ID: IW-6-20210901

Operator ID: AK/LH

ALS Bottle#: 51

Worklist Smp#: 21

Purge Vol: 5.000 mL

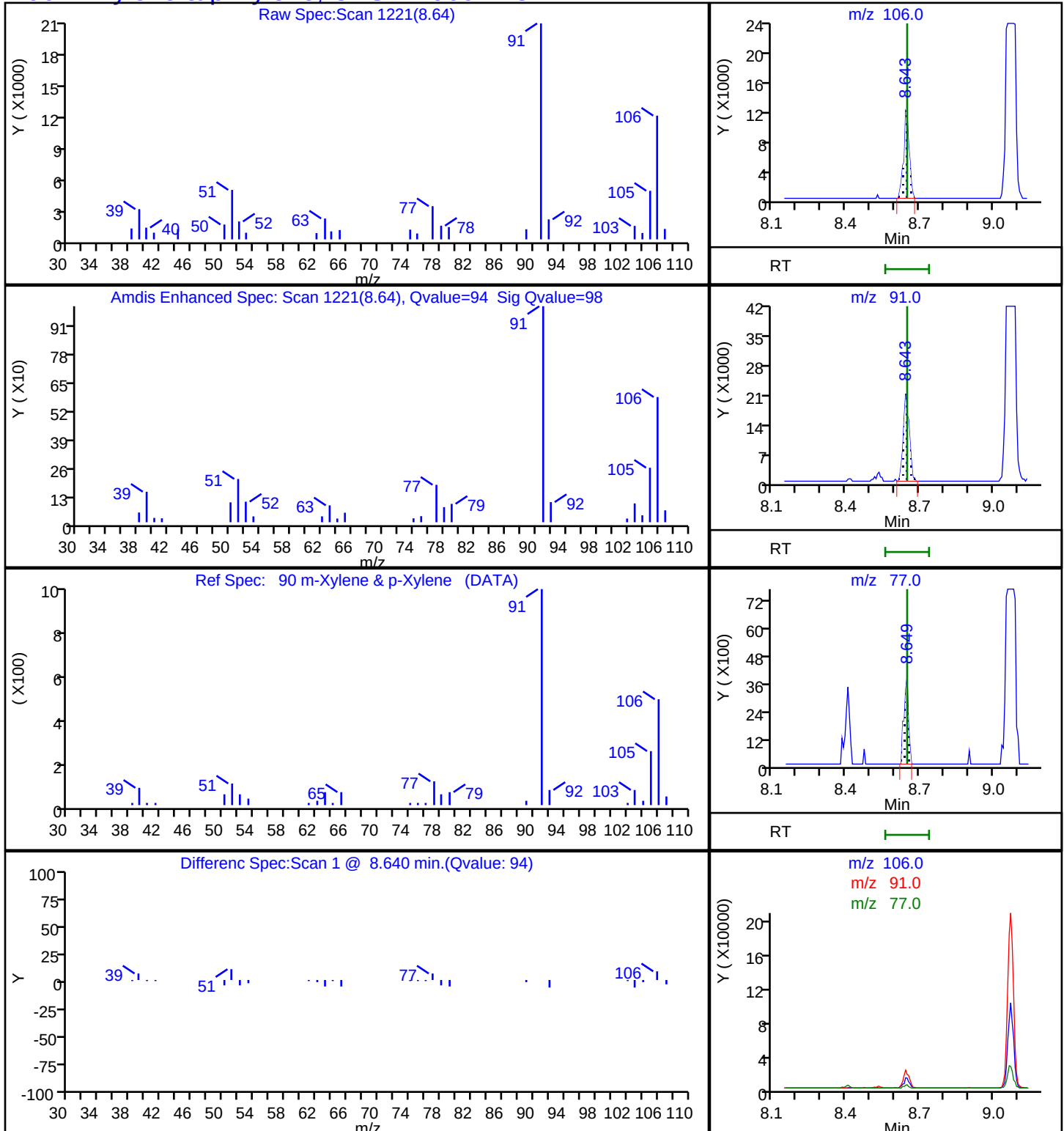
Dil. Factor: 200.0000

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 TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5780.D

Injection Date: 04-Sep-2021 06:24:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-4

Lab Sample ID: 480-189085-4

Client ID: IW-6-20210901

Operator ID: AK/LH

ALS Bottle#: 51 Worklist Smp#: 21

Purge Vol: 5.000 mL

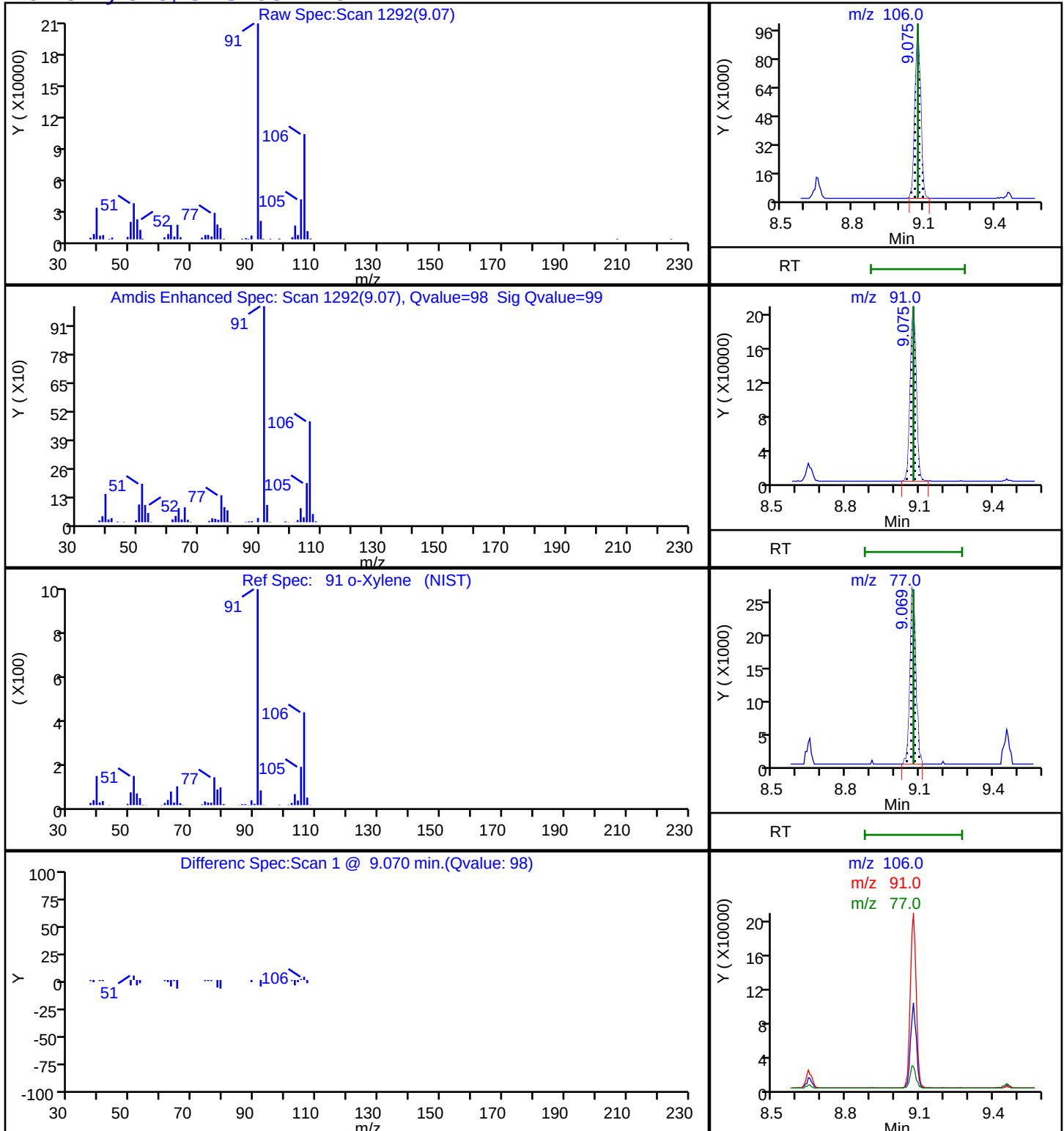
Dil. Factor: 200.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5780.D

Injection Date: 04-Sep-2021 06:24:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-4

Lab Sample ID: 480-189085-4

Client ID: IW-6-20210901

Operator ID: AK/LH

ALS Bottle#: 51 Worklist Smp#: 21

Purge Vol: 5.000 mL

Dil. Factor: 200.0000

Method: N-8260

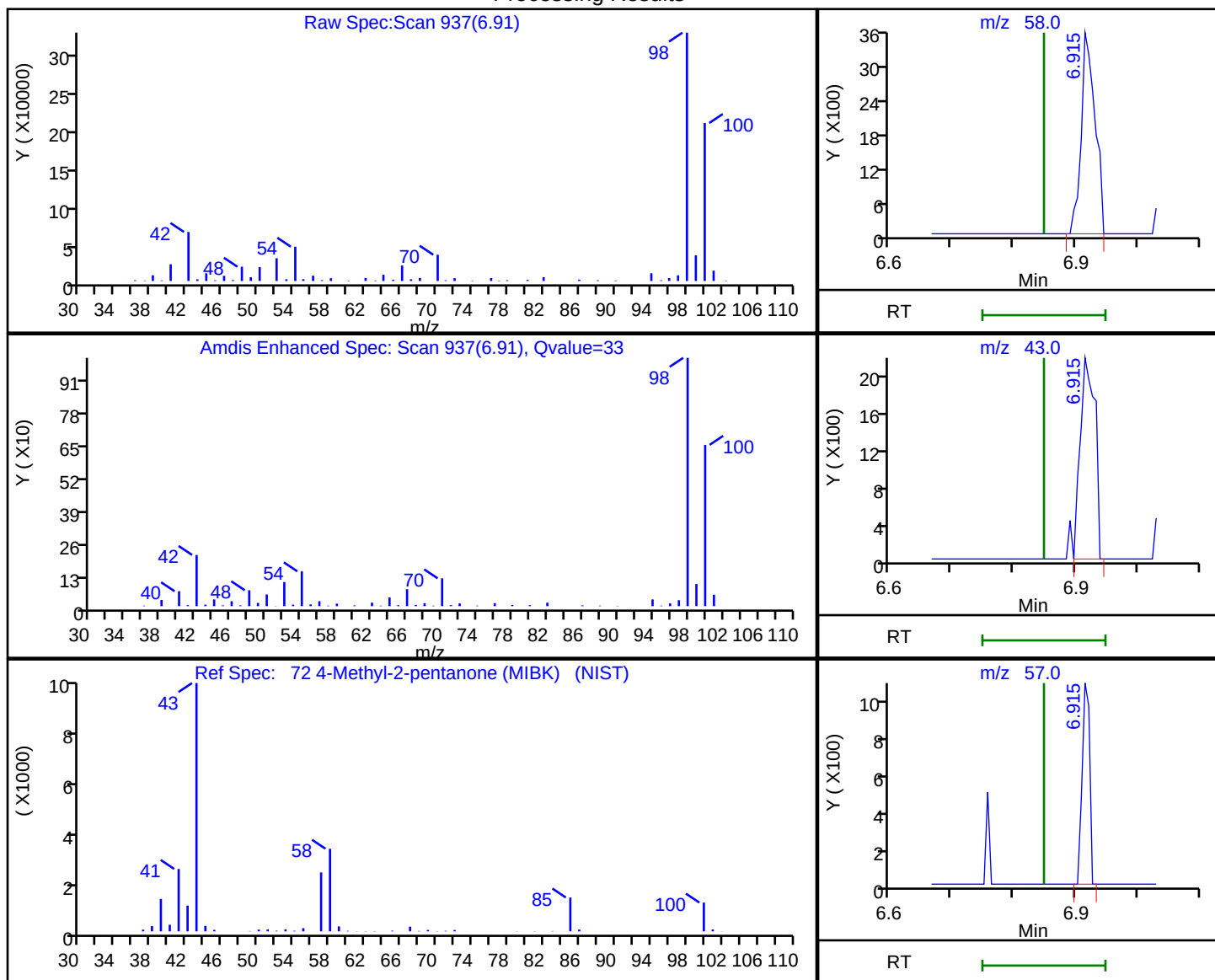
Limit Group: MV - 8260C ICAL

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
6.91	58.00	5505	1.190133
6.91	43.00	3520	
6.91	57.00	873	

Reviewer: kiwana, 07-Sep-2021 09:33:36

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5780.D

Injection Date: 04-Sep-2021 06:24:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-4

Lab Sample ID: 480-189085-4

Client ID: IW-6-20210901

Operator ID: AK/LH

ALS Bottle#: 51 Worklist Smp#: 21

Purge Vol: 5.000 mL

Dil. Factor: 200.0000

Method: N-8260

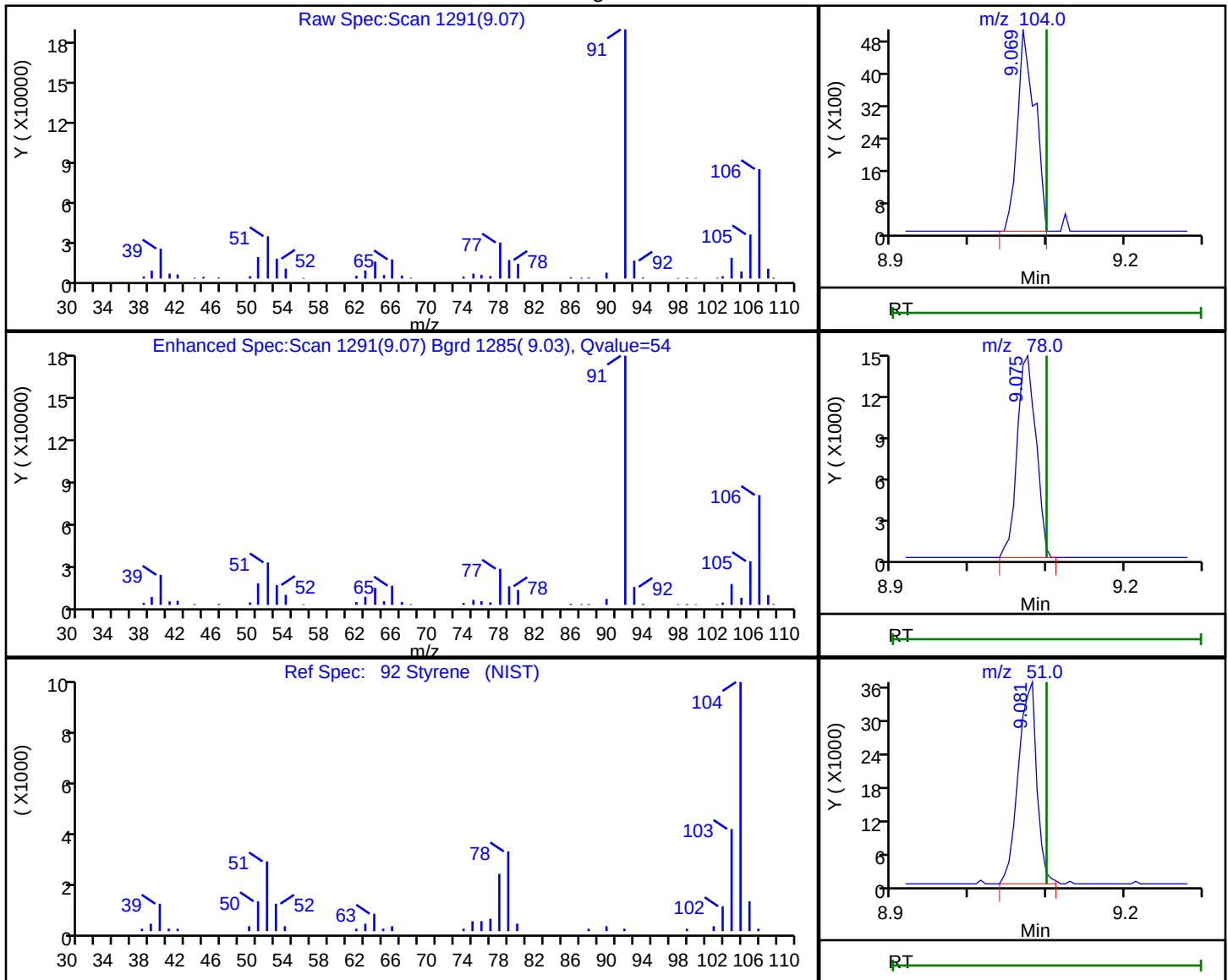
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

92 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
9.07	104.00	7910	0.420099
9.07	78.00	23724	
9.08	51.00	60571	

Reviewer: kiwana, 07-Sep-2021 09:33:44

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-189085-1</u>
SDG No.: _____	
Client Sample ID: <u>FB-20210901</u>	Lab Sample ID: <u>480-189085-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>N5781.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/01/2021 14:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>09/04/2021 06:47</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>595264</u>	Units: <u>ug/L</u>

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
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: FB-20210901 Lab Sample ID: 480-189085-5
 Matrix: Water Lab File ID: N5781.D
 Analysis Method: 8260C Date Collected: 09/01/2021 14:15
 Sample wt/vol: 5(mL) Date Analyzed: 09/04/2021 06:47
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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	0.62	J	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)	117		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	114		75-123
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5781.D
 Lims ID: 480-189085-A-5
 Client ID: FB-20210901
 Sample Type: Client
 Inject. Date: 04-Sep-2021 06:47:30 ALS Bottle#: 52 Worklist Smp#: 22
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-189085-A-5
 Misc. Info.: 480-0100806-022
 Operator ID: AK/LH Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Sep-2021 09:33:58 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1604

First Level Reviewer: kiwana

Date: 07-Sep-2021 09:35:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.412	5.406	0.006	98	111369	25.0	
* 2 Chlorobenzene-d5	117	8.406	8.399	0.007	90	434922	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	95	231690	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.835	4.834	0.000	92	163605	28.5	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	96	214315	29.2	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	555485	25.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	90	172086	25.9	
11 Dichlorodifluoromethane	85		1.282				ND	
13 Chloromethane	50		1.452				ND	
14 Vinyl chloride	62		1.549				ND	
15 Bromomethane	94		1.854				ND	
16 Chloroethane	64		1.933				ND	
18 Trichlorofluoromethane	101		2.164				ND	
21 112TCTFE	101		2.650				ND	
22 1,1-Dichloroethene	96		2.657				ND	
23 Acetone	43		2.772				ND	
25 Carbon disulfide	76		2.857				ND	
28 Methyl acetate	43		3.070				ND	
30 Methylene Chloride	84	3.168	3.168	0.000	89	6457	0.6184	
32 Methyl tert-butyl ether	73		3.381				ND	
33 trans-1,2-Dichloroethene	96		3.393				ND	
36 1,1-Dichloroethane	63		3.812				ND	
43 cis-1,2-Dichloroethene	96		4.366				ND	
44 2-Butanone (MEK)	43		4.403				ND	
50 Chloroform	83		4.676				ND	
51 1,1,1-Trichloroethane	97		4.792				ND	
52 Cyclohexane	56		4.798				ND	
53 Carbon tetrachloride	117		4.926				ND	
55 Benzene	78		5.145				ND	
57 1,2-Dichloroethane	62		5.212				ND	
60 Trichloroethene	95		5.753				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.869				ND	
63 1,2-Dichloropropane	63		5.996				ND	
67 Dichlorobromomethane	83		6.282				ND	
71 cis-1,3-Dichloropropene	75		6.702				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.848				ND	
73 Toluene	92	6.982	6.987	0.000	58	2487	0.1574	
75 trans-1,3-Dichloropropene	75		7.268				ND	
78 1,1,2-Trichloroethane	83		7.457				ND	
79 Tetrachloroethene	166		7.511				ND	
82 2-Hexanone	43		7.688				ND	
83 Chlorodibromomethane	129		7.852				ND	
84 Ethylene Dibromide	107		7.961				ND	
85 Chlorobenzene	112		8.430				ND	
88 Ethylbenzene	91		8.527				ND	
90 m-Xylene & p-Xylene	106		8.649				ND	
91 o-Xylene	106		9.075				ND	
92 Styrene	104		9.099				ND	
93 Bromoform	173		9.355				ND	
95 Isopropylbenzene	105		9.458				ND	
98 1,1,2,2-Tetrachloroethane	83		9.872				ND	
100 N-Propylbenzene	91		9.890				ND	
104 1,3,5-Trimethylbenzene	105		10.066				ND	
108 1,2,4-Trimethylbenzene	105		10.437				ND	
110 1,3-Dichlorobenzene	146		10.729				ND	
113 1,4-Dichlorobenzene	146		10.821				ND	
116 1,2-Dichlorobenzene	146		11.174				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.904				ND	
119 1,2,4-Trichlorobenzene	180		12.579				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5781.D

Injection Date: 04-Sep-2021 06:47:30

Instrument ID: HP5973N

Operator ID: AK/LH

Lims ID: 480-189085-A-5

Lab Sample ID: 480-189085-5

Worklist Smp#: 22

Client ID: FB-20210901

Purge Vol: 5.000 mL

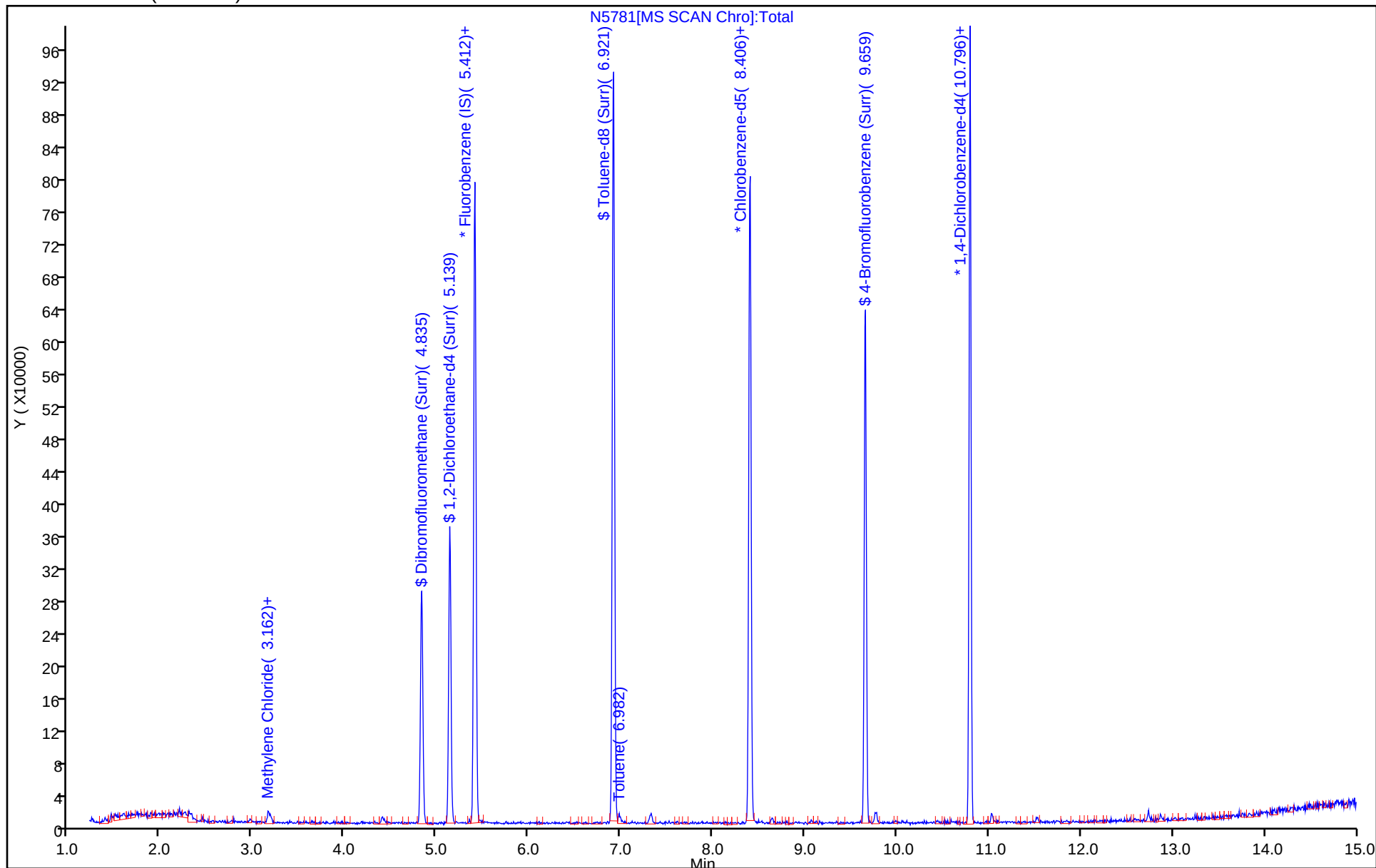
Dil. Factor: 1.0000

ALS Bottle#: 52

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5781.D

Injection Date: 04-Sep-2021 06:47:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-5

Lab Sample ID: 480-189085-5

Client ID: FB-20210901

Operator ID: AK/LH

ALS Bottle#: 52

Worklist Smp#: 22

Purge Vol: 5.000 mL

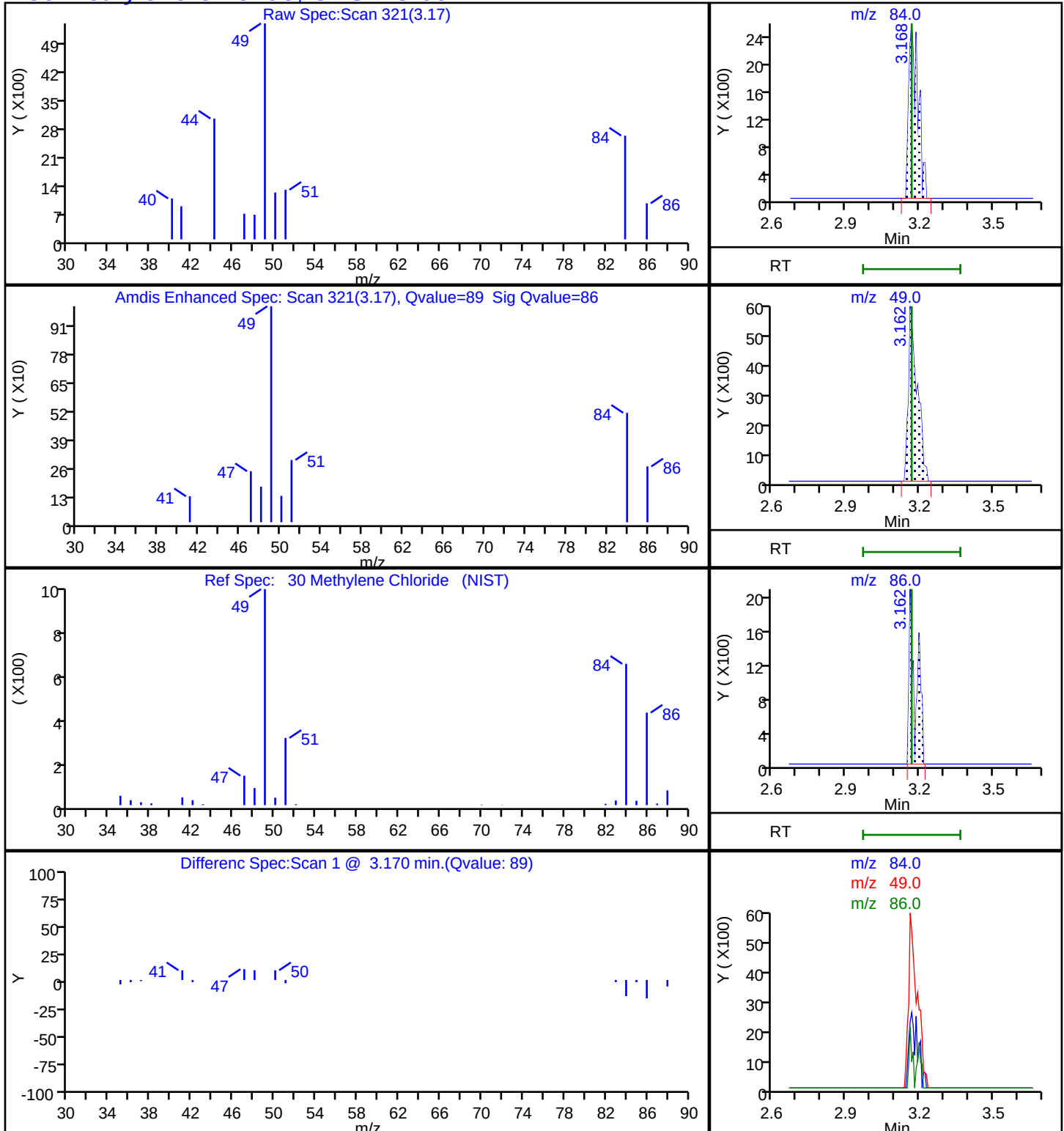
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Client Sample ID: GT-16-20210901 Lab Sample ID: 480-189085-6

Matrix: Water Lab File ID: N5782.D

Analysis Method: 8260C Date Collected: 09/01/2021 14:25

Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 07:10

Soil Aliquot Vol: _____ Dilution Factor: 2

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

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

Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	1.5
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	1.5
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	1.0	J	2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	ND		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: GT-16-20210901 Lab Sample ID: 480-189085-6
 Matrix: Water Lab File ID: N5782.D
 Analysis Method: 8260C Date Collected: 09/01/2021 14:25
 Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 07:10
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	3.0		2.0	0.88
103-65-1	N-Propylbenzene	ND		2.0	1.4
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	ND		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	18		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	ND		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	115		75-123
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5782.D
 Lims ID: 480-189085-A-6
 Client ID: GT-16-20210901
 Sample Type: Client
 Inject. Date: 04-Sep-2021 07:10:30 ALS Bottle#: 53 Worklist Smp#: 23
 Purge Vol: 5.000 mL Dil. Factor: 2.0000
 Sample Info: 480-189085-A-6
 Misc. Info.: 480-0100806-023
 Operator ID: AK/LH Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Sep-2021 09:33:58 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1604

First Level Reviewer: kiwana

Date: 07-Sep-2021 09:35:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.412	5.406	0.006	98	109696	25.0	
* 2 Chlorobenzene-d5	117	8.406	8.399	0.007	90	413343	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	96	226718	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.828	4.834	-0.006	91	162292	28.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	98	213214	29.5	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	532717	26.0	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	89	165355	26.1	
11 Dichlorodifluoromethane	85		1.282				ND	
13 Chloromethane	50		1.452				ND	
14 Vinyl chloride	62		1.549				ND	
15 Bromomethane	94		1.854				ND	
16 Chloroethane	64		1.933				ND	
18 Trichlorofluoromethane	101		2.164				ND	
21 112TCTFE	101		2.650				ND	
22 1,1-Dichloroethene	96		2.657				ND	
23 Acetone	43		2.772				ND	
25 Carbon disulfide	76		2.857				ND	
28 Methyl acetate	43		3.070				ND	
30 Methylene Chloride	84	3.174	3.168	0.006	82	11470	1.52	
32 Methyl tert-butyl ether	73		3.381				ND	
33 trans-1,2-Dichloroethene	96		3.393				ND	
36 1,1-Dichloroethane	63		3.812				ND	
43 cis-1,2-Dichloroethene	96		4.366				ND	
44 2-Butanone (MEK)	43		4.403				ND	7
50 Chloroform	83	4.682	4.676	0.006	91	5398	0.5163	
51 1,1,1-Trichloroethane	97		4.792				ND	
52 Cyclohexane	56		4.798				ND	
53 Carbon tetrachloride	117		4.926				ND	
55 Benzene	78		5.145				ND	
57 1,2-Dichloroethane	62		5.212				ND	
60 Trichloroethene	95	5.753	5.753	0.000	92	50053	8.79	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.869				ND	
63 1,2-Dichloropropane	63		5.996				ND	
67 Dichlorobromomethane	83		6.282				ND	
71 cis-1,3-Dichloropropene	75		6.702				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.848				ND	
73 Toluene	92		6.982				ND	
75 trans-1,3-Dichloropropene	75		7.268				ND	
78 1,1,2-Trichloroethane	83		7.457				ND	
79 Tetrachloroethene	166		7.511				ND	
82 2-Hexanone	43		7.688				ND	
83 Chlorodibromomethane	129		7.852				ND	
84 Ethylene Dibromide	107		7.961				ND	
85 Chlorobenzene	112		8.430				ND	
88 Ethylbenzene	91		8.527				ND	
90 m-Xylene & p-Xylene	106		8.649				ND	
91 o-Xylene	106		9.075				ND	
92 Styrene	104		9.099				ND	
93 Bromoform	173		9.355				ND	
95 Isopropylbenzene	105		9.458				ND	
98 1,1,2,2-Tetrachloroethane	83		9.872				ND	
100 N-Propylbenzene	91		9.890				ND	
104 1,3,5-Trimethylbenzene	105		10.066				ND	
108 1,2,4-Trimethylbenzene	105		10.437				ND	
110 1,3-Dichlorobenzene	146		10.729				ND	
113 1,4-Dichlorobenzene	146		10.821				ND	
116 1,2-Dichlorobenzene	146		11.174				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.904				ND	
119 1,2,4-Trichlorobenzene	180		12.579				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5782.D

Injection Date: 04-Sep-2021 07:10:30

Instrument ID: HP5973N

Operator ID: AK/LH

Lims ID: 480-189085-A-6

Lab Sample ID: 480-189085-6

Worklist Smp#: 23

Client ID: GT-16-20210901

Purge Vol: 5.000 mL

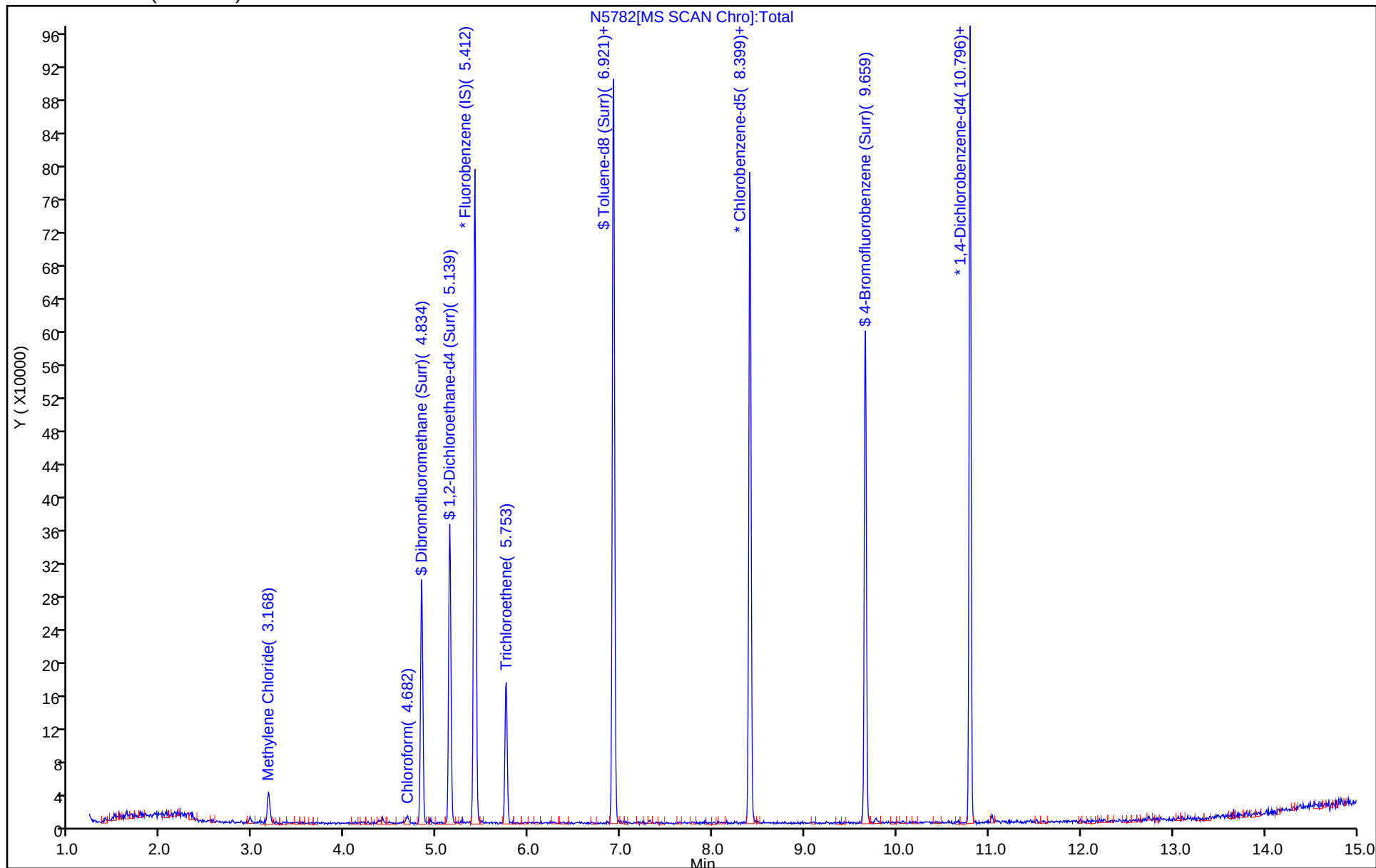
Dil. Factor: 2.0000

ALS Bottle#: 53

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5782.D

Injection Date: 04-Sep-2021 07:10:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-6

Lab Sample ID: 480-189085-6

Client ID: GT-16-20210901

Operator ID: AK/LH

ALS Bottle#: 53

Worklist Smp#: 23

Purge Vol: 5.000 mL

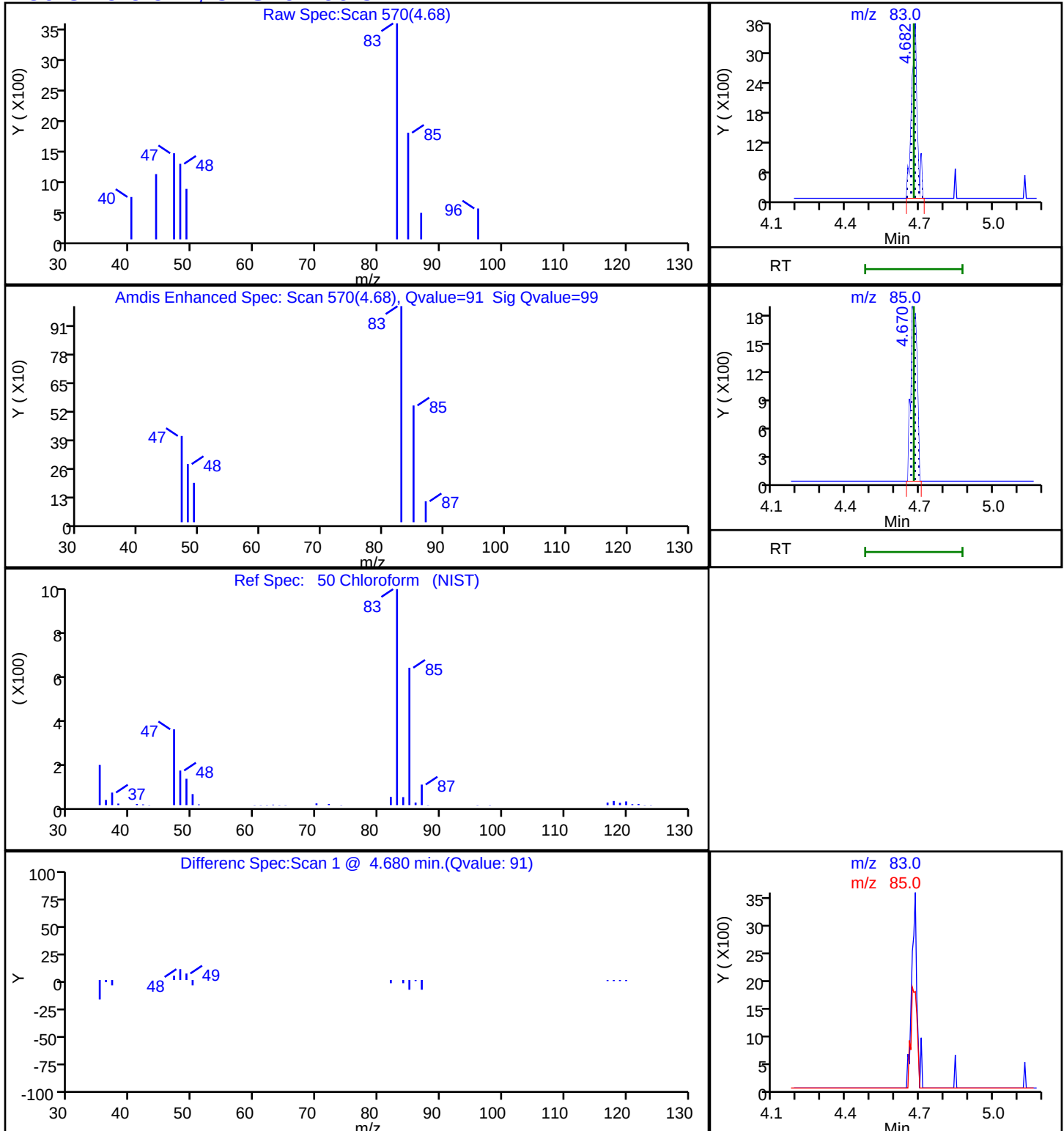
Dil. Factor: 2.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

50 Chloroform, CAS: 67-66-3

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5782.D

Injection Date: 04-Sep-2021 07:10:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-6

Lab Sample ID: 480-189085-6

Client ID: GT-16-20210901

Operator ID: AK/LH

ALS Bottle#: 53

Worklist Smp#: 23

Purge Vol: 5.000 mL

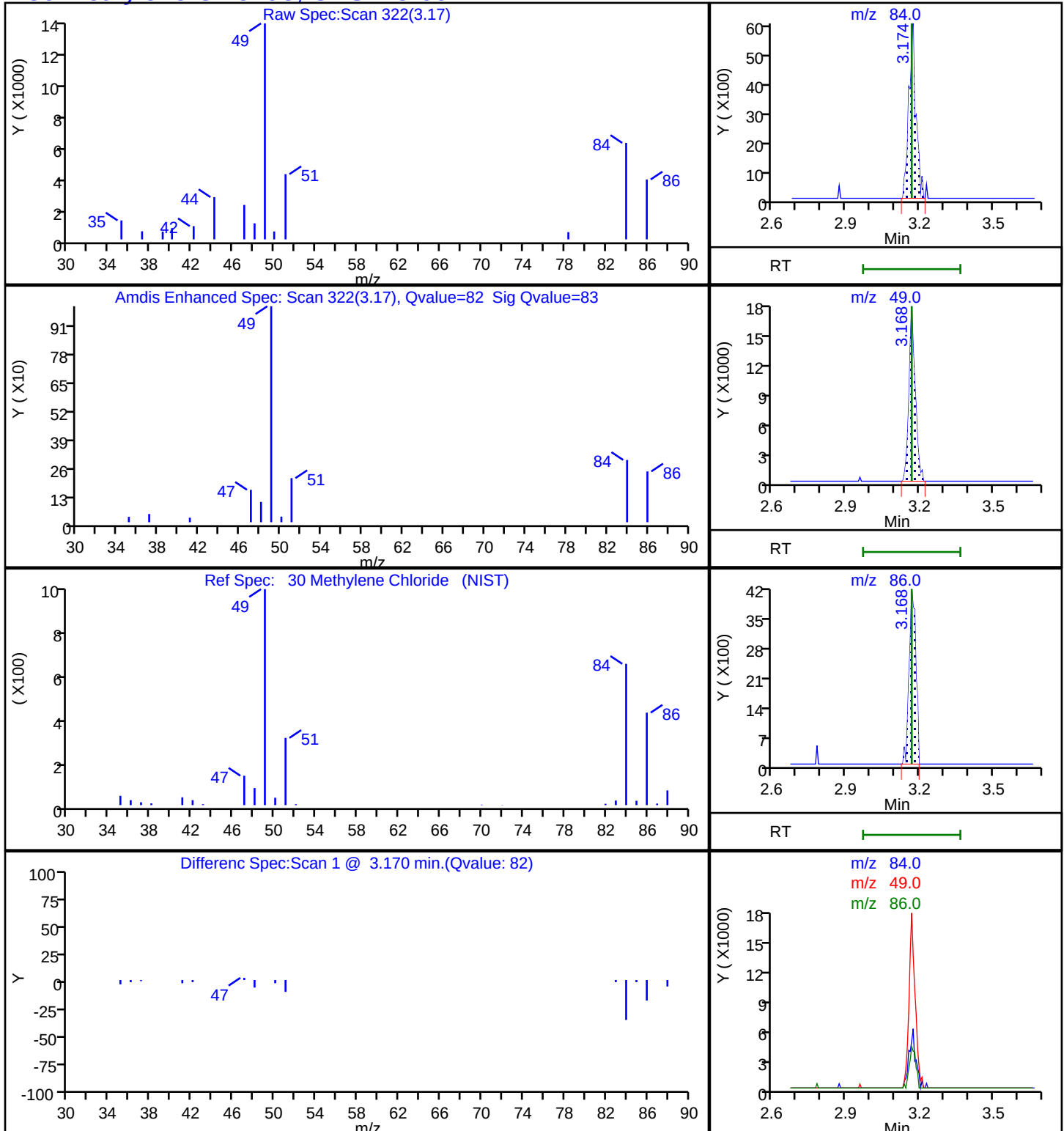
Dil. Factor: 2.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5782.D

Injection Date: 04-Sep-2021 07:10:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-6

Lab Sample ID: 480-189085-6

Client ID: GT-16-20210901

Operator ID: AK/LH

ALS Bottle#: 53

Worklist Smp#: 23

Purge Vol: 5.000 mL

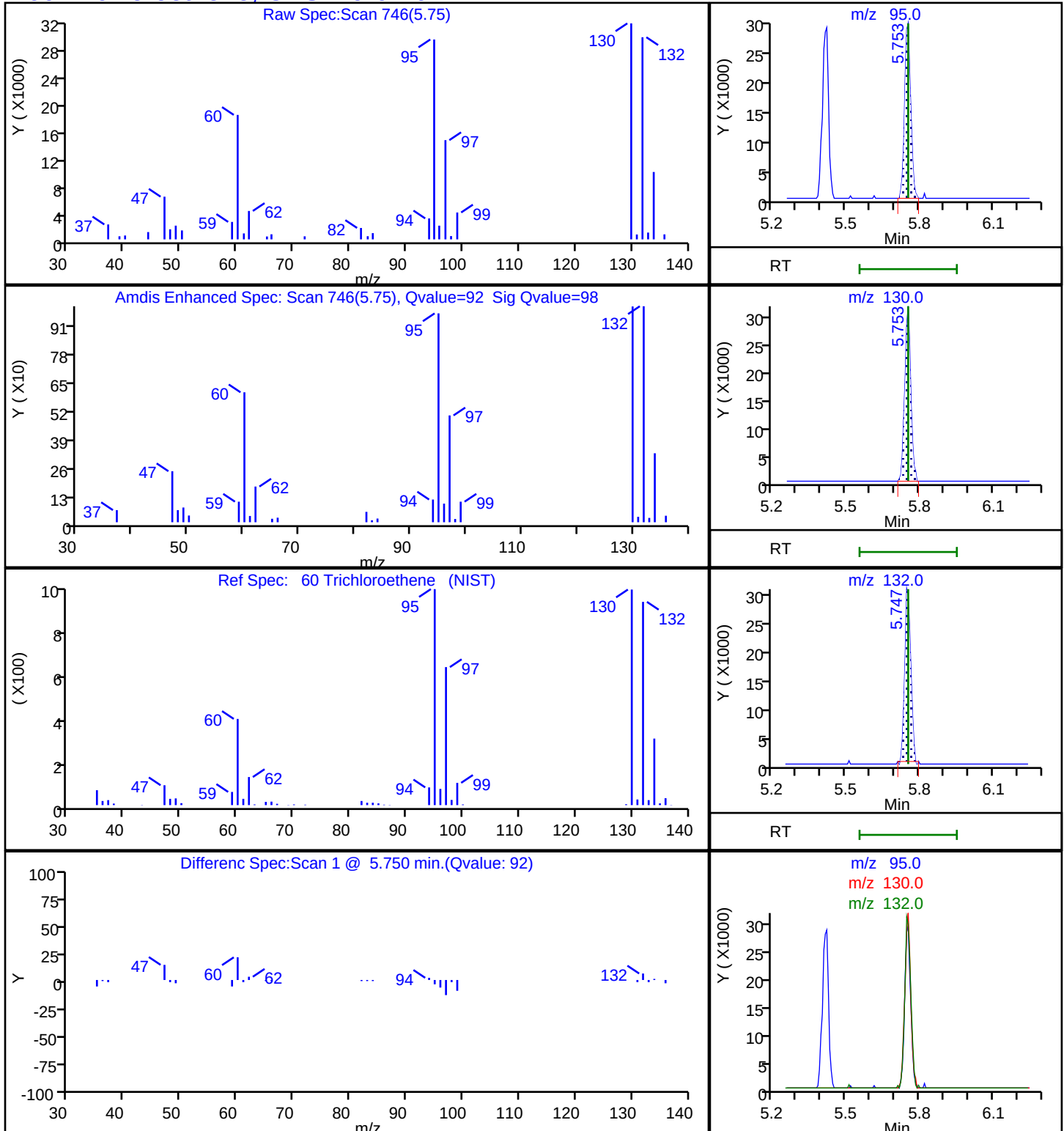
Dil. Factor: 2.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Client Sample ID: GT-14-20210901 Lab Sample ID: 480-189085-7

Matrix: Water Lab File ID: N5783.D

Analysis Method: 8260C Date Collected: 09/01/2021 15:55

Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 07:33

Soil Aliquot Vol: _____ Dilution Factor: 2

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

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

Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	1.5
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	1.5
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	ND		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-189085-1</u>
SDG No.: _____	
Client Sample ID: <u>GT-14-20210901</u>	Lab Sample ID: <u>480-189085-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>N5783.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/01/2021 15:55</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>09/04/2021 07:33</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>2</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>595264</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
103-65-1	N-Propylbenzene	ND		2.0	1.4
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	ND		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	ND		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	ND		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	109		75-123
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5783.D
 Lims ID: 480-189085-A-7
 Client ID: GT-14-20210901
 Sample Type: Client
 Inject. Date: 04-Sep-2021 07:33:30 ALS Bottle#: 54 Worklist Smp#: 24
 Purge Vol: 5.000 mL Dil. Factor: 2.0000
 Sample Info: 480-189085-A-7
 Misc. Info.: 480-0100806-024
 Operator ID: AK/LH Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Sep-2021 09:33:58 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1604

First Level Reviewer: kiwana

Date: 07-Sep-2021 09:36:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.412	5.406	0.006	97	110891	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.399	0.006	89	435116	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	95	228503	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	92	155544	27.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	96	215446	29.5	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	559747	26.0	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	90	166225	25.0	
11 Dichlorodifluoromethane	85		1.282				ND	
13 Chloromethane	50		1.452				ND	
14 Vinyl chloride	62		1.549				ND	
15 Bromomethane	94		1.854				ND	
16 Chloroethane	64		1.933				ND	
18 Trichlorofluoromethane	101		2.164				ND	
21 112TCTFE	101		2.650				ND	
22 1,1-Dichloroethene	96		2.657				ND	
23 Acetone	43		2.772				ND	
25 Carbon disulfide	76		2.857				ND	
28 Methyl acetate	43		3.070				ND	
30 Methylene Chloride	84		3.168				ND	
32 Methyl tert-butyl ether	73		3.381				ND	
33 trans-1,2-Dichloroethene	96		3.393				ND	
36 1,1-Dichloroethane	63		3.812				ND	
43 cis-1,2-Dichloroethene	96		4.366				ND	
44 2-Butanone (MEK)	43		4.403				ND	7
50 Chloroform	83		4.676				ND	
51 1,1,1-Trichloroethane	97		4.792				ND	
52 Cyclohexane	56		4.798				ND	
53 Carbon tetrachloride	117		4.926				ND	
55 Benzene	78		5.145				ND	
57 1,2-Dichloroethane	62		5.212				ND	
60 Trichloroethene	95		5.753				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.869				ND	
63 1,2-Dichloropropane	63		5.996				ND	
67 Dichlorobromomethane	83		6.282				ND	
71 cis-1,3-Dichloropropene	75		6.702				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.848				ND	
73 Toluene	92		6.982				ND	
75 trans-1,3-Dichloropropene	75		7.268				ND	
78 1,1,2-Trichloroethane	83		7.457				ND	
79 Tetrachloroethene	166		7.511				ND	
82 2-Hexanone	43		7.688				ND	
83 Chlorodibromomethane	129		7.852				ND	
84 Ethylene Dibromide	107		7.961				ND	
85 Chlorobenzene	112		8.430				ND	
88 Ethylbenzene	91		8.527				ND	
90 m-Xylene & p-Xylene	106		8.649				ND	
91 o-Xylene	106		9.075				ND	
92 Styrene	104		9.099				ND	
93 Bromoform	173		9.355				ND	
95 Isopropylbenzene	105		9.458				ND	
98 1,1,2,2-Tetrachloroethane	83		9.872				ND	
100 N-Propylbenzene	91		9.890				ND	
104 1,3,5-Trimethylbenzene	105		10.066				ND	
108 1,2,4-Trimethylbenzene	105		10.437				ND	
110 1,3-Dichlorobenzene	146		10.729				ND	
113 1,4-Dichlorobenzene	146		10.821				ND	
116 1,2-Dichlorobenzene	146		11.174				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.904				ND	
119 1,2,4-Trichlorobenzene	180		12.579				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 07-Sep-2021 09:36:09

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5783.D

Injection Date: 04-Sep-2021 07:33:30

Instrument ID: HP5973N

Operator ID: AK/LH

Lims ID: 480-189085-A-7

Lab Sample ID: 480-189085-7

Worklist Smp#: 24

Client ID: GT-14-20210901

Purge Vol: 5.000 mL

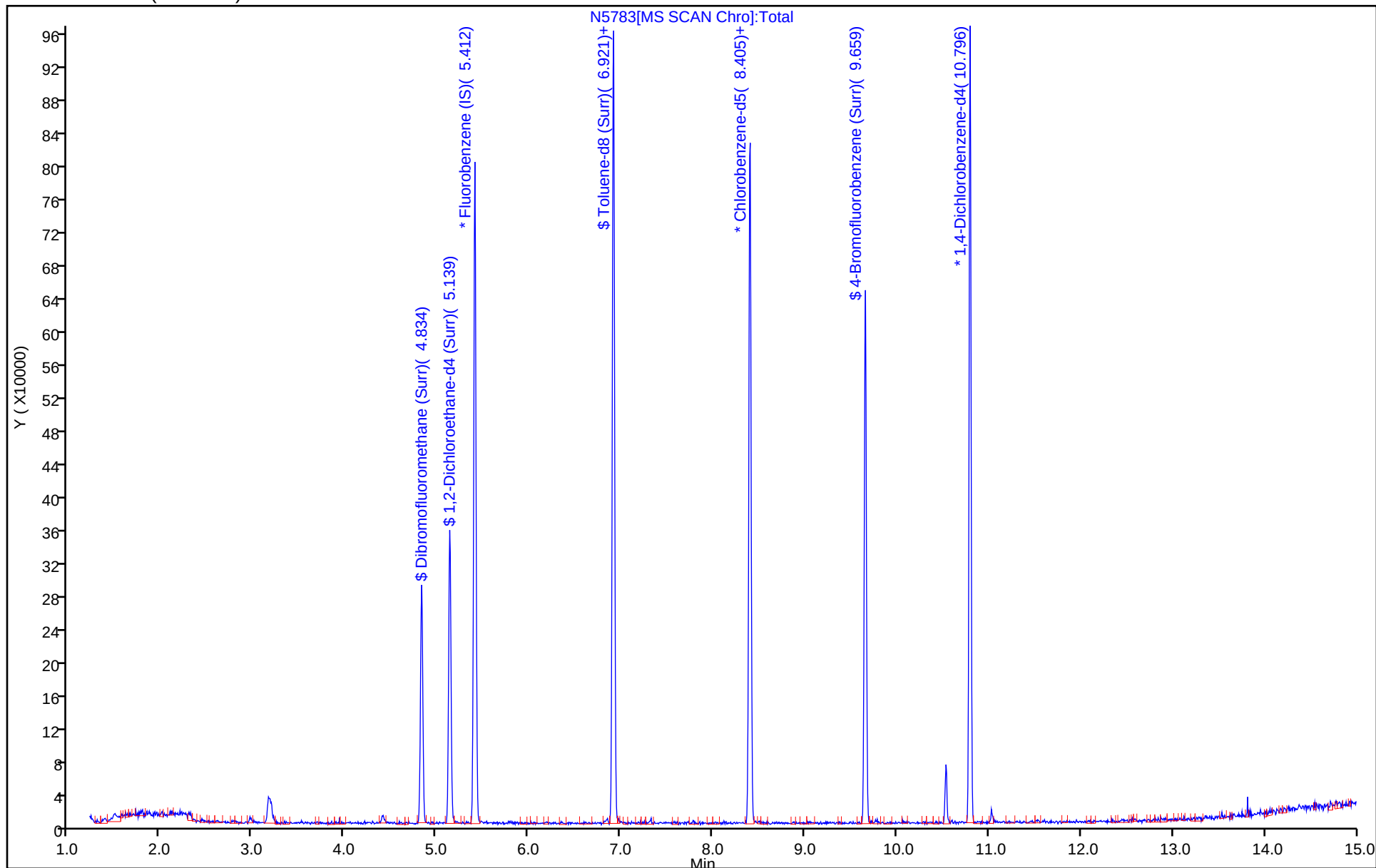
Dil. Factor: 2.0000

ALS Bottle#: 54

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Client Sample ID: VRI-4-20210901 Lab Sample ID: 480-189085-8

Matrix: Water Lab File ID: N5784.D

Analysis Method: 8260C Date Collected: 09/01/2021 14:45

Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 07:56

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 595264 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
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: VRI-4-20210901 Lab Sample ID: 480-189085-8
 Matrix: Water Lab File ID: N5784.D
 Analysis Method: 8260C Date Collected: 09/01/2021 14:45
 Sample wt/vol: 5(mL) Date Analyzed: 09/04/2021 07:56
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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)	112		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	111		75-123
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5784.D
 Lims ID: 480-189085-A-8
 Client ID: VRI-4-20210901
 Sample Type: Client
 Inject. Date: 04-Sep-2021 07:56:30 ALS Bottle#: 55 Worklist Smp#: 25
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-189085-A-8
 Misc. Info.: 480-0100806-025
 Operator ID: AK/LH Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Sep-2021 09:33:58 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1604

First Level Reviewer: kiwana

Date: 07-Sep-2021 09:36:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.412	5.406	0.006	97	106454	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.399	0.006	89	383655	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	95	214678	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	92	152302	27.8	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.138	5.139	-0.001	96	196177	27.9	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	480324	25.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	89	148824	25.4	
11 Dichlorodifluoromethane	85		1.282				ND	
13 Chloromethane	50		1.452				ND	
14 Vinyl chloride	62		1.549				ND	
15 Bromomethane	94		1.854				ND	
16 Chloroethane	64		1.933				ND	
18 Trichlorofluoromethane	101		2.164				ND	
21 112TCTFE	101		2.650				ND	
22 1,1-Dichloroethene	96		2.657				ND	
23 Acetone	43		2.772				ND	
25 Carbon disulfide	76		2.857				ND	
28 Methyl acetate	43		3.070				ND	
30 Methylene Chloride	84		3.168				ND	
32 Methyl tert-butyl ether	73		3.381				ND	
33 trans-1,2-Dichloroethene	96		3.393				ND	
36 1,1-Dichloroethane	63		3.812				ND	
43 cis-1,2-Dichloroethene	96		4.366				ND	
44 2-Butanone (MEK)	43		4.403				ND	
50 Chloroform	83		4.676				ND	
51 1,1,1-Trichloroethane	97		4.792				ND	
52 Cyclohexane	56		4.798				ND	
53 Carbon tetrachloride	117		4.926				ND	
55 Benzene	78		5.145				ND	
57 1,2-Dichloroethane	62		5.212				ND	
60 Trichloroethene	95		5.753				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.869				ND	
63 1,2-Dichloropropane	63		5.996				ND	
67 Dichlorobromomethane	83		6.282				ND	
71 cis-1,3-Dichloropropene	75		6.702				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.848				ND	
73 Toluene	92		6.982				ND	
75 trans-1,3-Dichloropropene	75		7.268				ND	
78 1,1,2-Trichloroethane	83		7.457				ND	
79 Tetrachloroethene	166		7.511				ND	
82 2-Hexanone	43		7.688				ND	
83 Chlorodibromomethane	129		7.852				ND	
84 Ethylene Dibromide	107		7.961				ND	
85 Chlorobenzene	112		8.430				ND	
88 Ethylbenzene	91		8.527				ND	
90 m-Xylene & p-Xylene	106		8.649				ND	
91 o-Xylene	106		9.075				ND	
92 Styrene	104		9.099				ND	
93 Bromoform	173		9.355				ND	
95 Isopropylbenzene	105		9.458				ND	
98 1,1,2,2-Tetrachloroethane	83		9.872				ND	
100 N-Propylbenzene	91		9.890				ND	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	88	3669	0.1717	
108 1,2,4-Trimethylbenzene	105		10.437				ND	
110 1,3-Dichlorobenzene	146		10.729				ND	
113 1,4-Dichlorobenzene	146		10.821				ND	
116 1,2-Dichlorobenzene	146		11.174				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.904				ND	
119 1,2,4-Trichlorobenzene	180		12.579				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5784.D

Injection Date: 04-Sep-2021 07:56:30

Instrument ID: HP5973N

Operator ID: AK/LH

Lims ID: 480-189085-A-8

Lab Sample ID: 480-189085-8

Worklist Smp#: 25

Client ID: VRI-4-20210901

Purge Vol: 5.000 mL

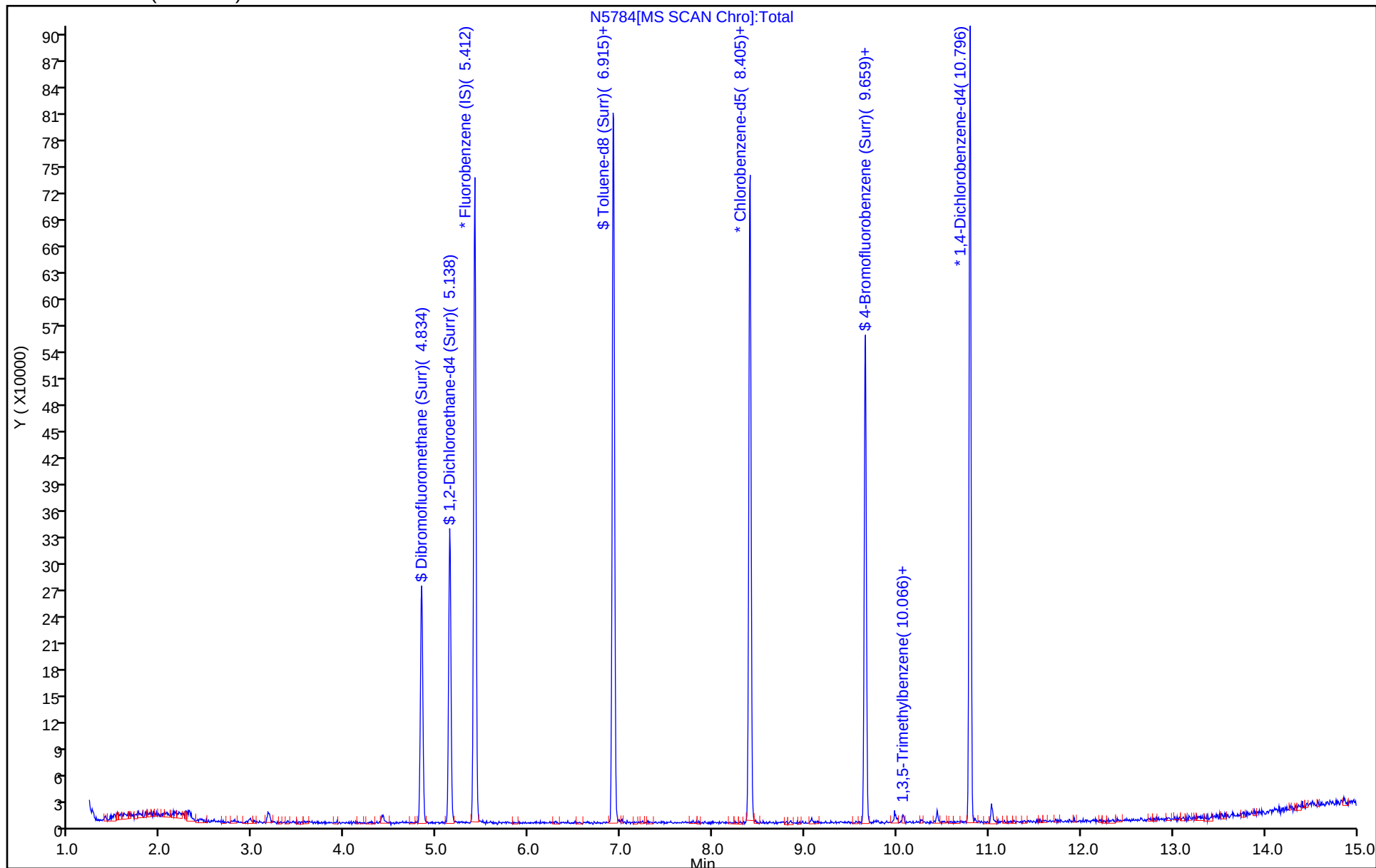
Dil. Factor: 1.0000

ALS Bottle#: 55

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Client Sample ID: VRI-3-20210901 Lab Sample ID: 480-189085-9

Matrix: Water Lab File ID: N5785.D

Analysis Method: 8260C Date Collected: 09/01/2021 16:40

Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 08:19

Soil Aliquot Vol: _____ Dilution Factor: 2

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

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

Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	1.5
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	1.5
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	ND		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: VRI-3-20210901 Lab Sample ID: 480-189085-9
 Matrix: Water Lab File ID: N5785.D
 Analysis Method: 8260C Date Collected: 09/01/2021 16:40
 Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 08:19
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
103-65-1	N-Propylbenzene	ND		2.0	1.4
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	ND		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	ND		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	ND		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	109		75-123
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5785.D
 Lims ID: 480-189085-A-9
 Client ID: VRI-3-20210901
 Sample Type: Client
 Inject. Date: 04-Sep-2021 08:19:30 ALS Bottle#: 56 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 2.0000
 Sample Info: 480-189085-A-9
 Misc. Info.: 480-0100806-026
 Operator ID: AK/LH Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Sep-2021 09:38:11 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1604

First Level Reviewer: kiwana

Date: 07-Sep-2021 09:38:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.412	5.406	0.006	97	113495	25.0	
* 2 Chlorobenzene-d5	117	8.399	8.399	0.000	89	430100	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	96	231805	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	92	158838	27.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	98	205599	27.5	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	535417	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	89	162708	24.7	
11 Dichlorodifluoromethane	85		1.282				ND	
13 Chloromethane	50		1.452				ND	
14 Vinyl chloride	62		1.549				ND	
15 Bromomethane	94		1.854				ND	
16 Chloroethane	64		1.933				ND	
18 Trichlorofluoromethane	101		2.164				ND	
21 112TCTFE	101		2.650				ND	
22 1,1-Dichloroethene	96		2.657				ND	
23 Acetone	43		2.772				ND	
25 Carbon disulfide	76		2.857				ND	
28 Methyl acetate	43		3.070				ND	
30 Methylene Chloride	84		3.168				ND	U
32 Methyl tert-butyl ether	73		3.381				ND	
33 trans-1,2-Dichloroethene	96		3.393				ND	
36 1,1-Dichloroethane	63		3.812				ND	
43 cis-1,2-Dichloroethene	96		4.366				ND	
44 2-Butanone (MEK)	43		4.403				ND	
50 Chloroform	83		4.676				ND	
51 1,1,1-Trichloroethane	97		4.792				ND	
52 Cyclohexane	56		4.798				ND	
53 Carbon tetrachloride	117		4.926				ND	
55 Benzene	78		5.145				ND	
57 1,2-Dichloroethane	62		5.212				ND	
60 Trichloroethene	95		5.753				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.869				ND	
63 1,2-Dichloropropane	63		5.996				ND	
67 Dichlorobromomethane	83		6.282				ND	
71 cis-1,3-Dichloropropene	75		6.702				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.848				ND	
73 Toluene	92		6.982				ND	
75 trans-1,3-Dichloropropene	75		7.268				ND	
78 1,1,2-Trichloroethane	83		7.457				ND	
79 Tetrachloroethene	166		7.511				ND	
82 2-Hexanone	43		7.688				ND	
83 Chlorodibromomethane	129		7.852				ND	
84 Ethylene Dibromide	107		7.961				ND	
85 Chlorobenzene	112		8.430				ND	
88 Ethylbenzene	91		8.527				ND	
90 m-Xylene & p-Xylene	106		8.649				ND	
91 o-Xylene	106		9.075				ND	
92 Styrene	104		9.099				ND	
93 Bromoform	173		9.355				ND	
95 Isopropylbenzene	105		9.458				ND	
98 1,1,2,2-Tetrachloroethane	83		9.872				ND	
100 N-Propylbenzene	91		9.890				ND	
104 1,3,5-Trimethylbenzene	105		10.066				ND	
108 1,2,4-Trimethylbenzene	105		10.437				ND	
110 1,3-Dichlorobenzene	146		10.729				ND	
113 1,4-Dichlorobenzene	146		10.821				ND	
116 1,2-Dichlorobenzene	146		11.174				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.904				ND	
119 1,2,4-Trichlorobenzene	180		12.579				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_00218

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5785.D

Injection Date: 04-Sep-2021 08:19:30

Instrument ID: HP5973N

Operator ID: AK/LH

Lims ID: 480-189085-A-9

Lab Sample ID: 480-189085-9

Worklist Smp#: 26

Client ID: VRI-3-20210901

Purge Vol: 5.000 mL

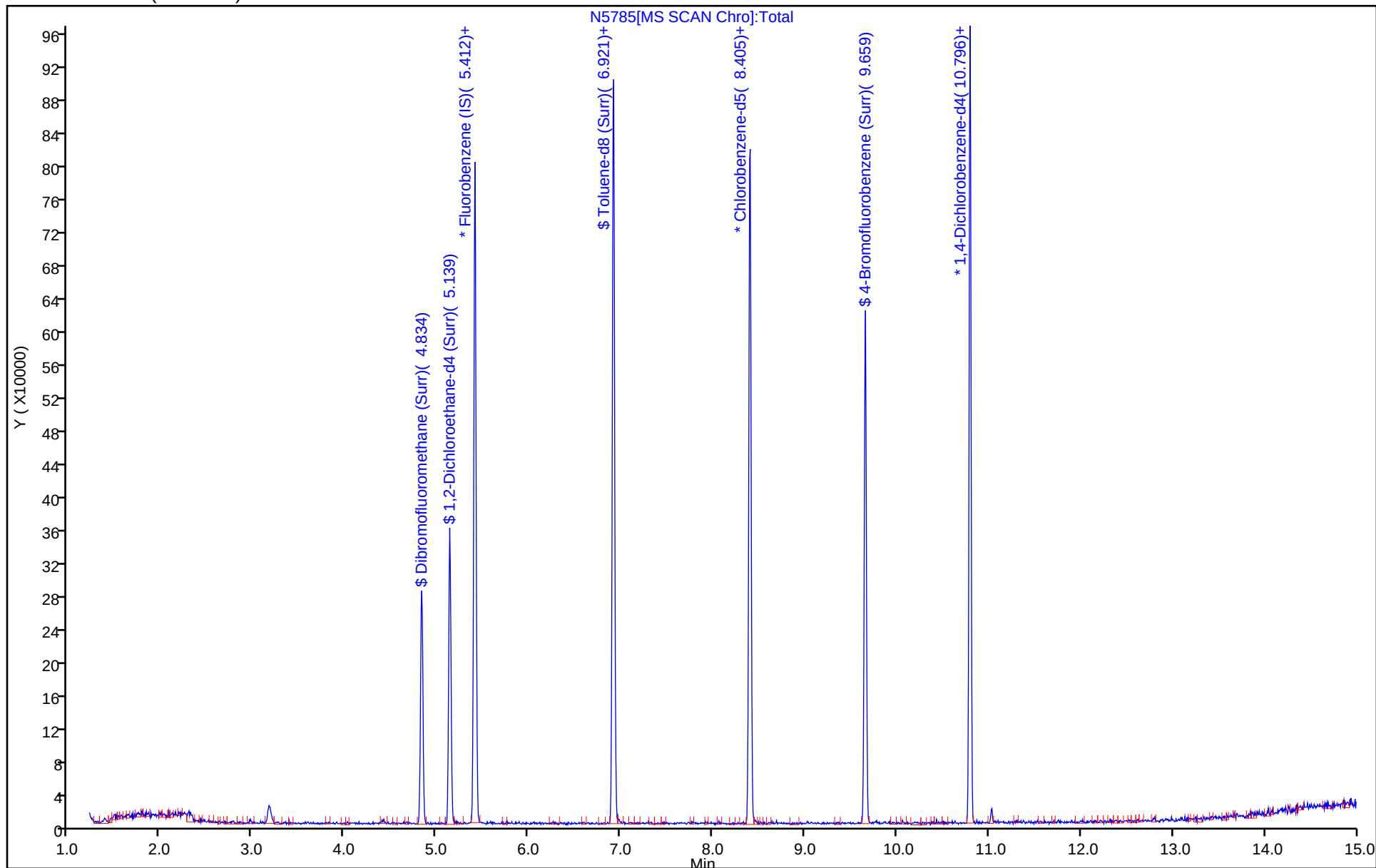
Dil. Factor: 2.0000

ALS Bottle#: 56

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5785.D

Injection Date: 04-Sep-2021 08:19:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-9

Lab Sample ID: 480-189085-9

Client ID: VRI-3-20210901

Operator ID: AK/LH

ALS Bottle#:

56

Worklist Smp#: 26

Purge Vol: 5.000 mL

Dil. Factor: 2.0000

Method: N-8260

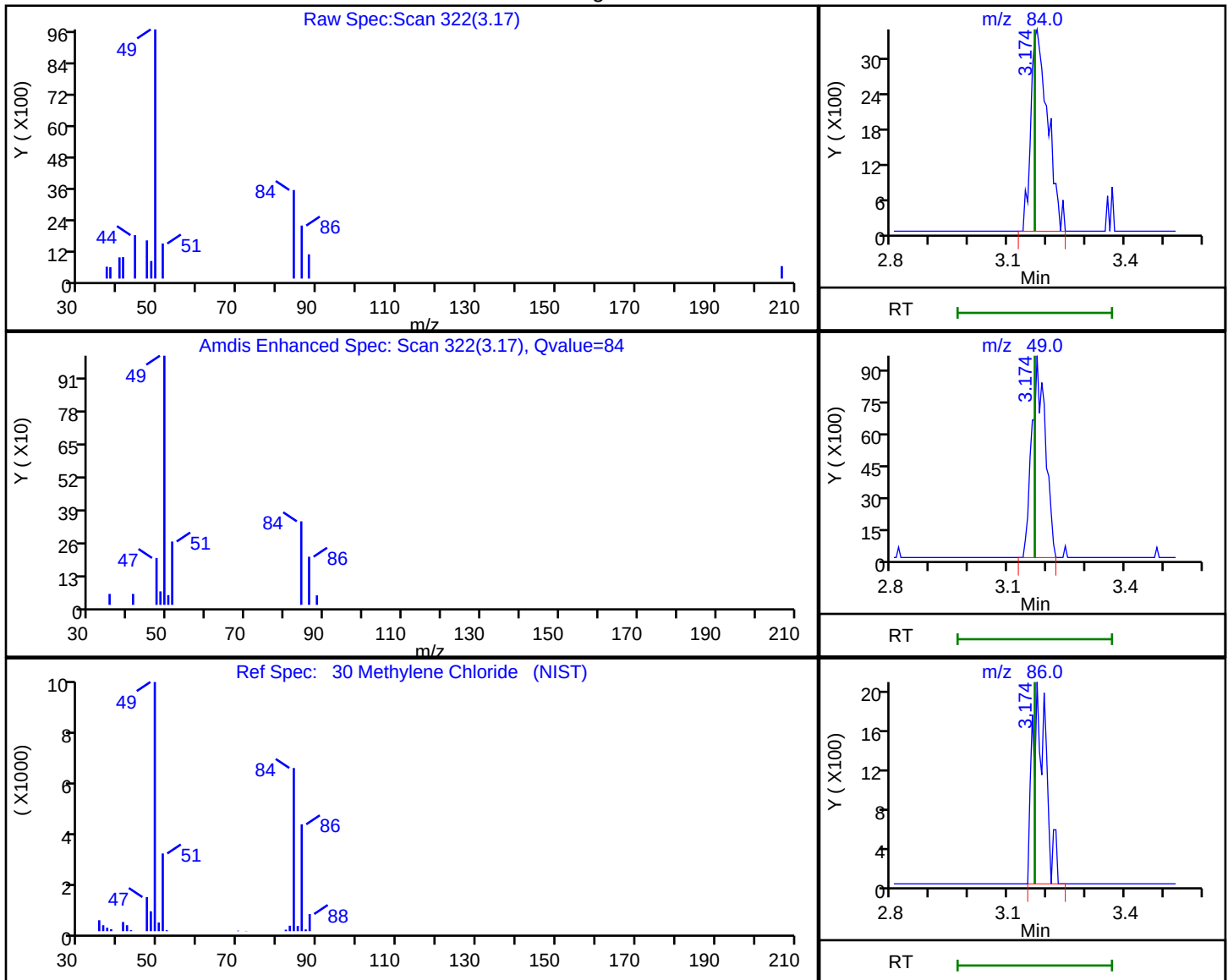
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
3.17	84.00	10405	1.270181
3.17	49.00	23382	
3.17	86.00	4867	

Reviewer: kiwana, 07-Sep-2021 09:36:38

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Client Sample ID: VRI-9-20210901 Lab Sample ID: 480-189085-10

Matrix: Water Lab File ID: N5786.D

Analysis Method: 8260C Date Collected: 09/01/2021 16:45

Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 08:43

Soil Aliquot Vol: _____ Dilution Factor: 2

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

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

Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
95-63-6	1,2,4-Trimethylbenzene	ND		2.0	1.5
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
108-67-8	1,3,5-Trimethylbenzene	ND		2.0	1.5
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	ND		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: VRI-9-20210901 Lab Sample ID: 480-189085-10
 Matrix: Water Lab File ID: N5786.D
 Analysis Method: 8260C Date Collected: 09/01/2021 16:45
 Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 08:43
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	3.3		2.0	0.88
103-65-1	N-Propylbenzene	ND		2.0	1.4
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	ND		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	ND		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	ND		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		77-120
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120
1868-53-7	Dibromofluoromethane (Surr)	111		75-123
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5786.D
 Lims ID: 480-189085-A-10
 Client ID: VRI-9-20210901
 Sample Type: Client
 Inject. Date: 04-Sep-2021 08:43:30 ALS Bottle#: 57 Worklist Smp#: 27
 Purge Vol: 5.000 mL Dil. Factor: 2.0000
 Sample Info: 480-189085-A-10
 Misc. Info.: 480-0100806-027
 Operator ID: AK/LH Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Sep-2021 09:38:35 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1604

First Level Reviewer: kiwana

Date: 07-Sep-2021 09:38:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.412	5.406	0.006	98	112106	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.399	0.006	92	423814	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	96	225949	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	92	159586	27.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	96	211193	28.6	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	95	546905	26.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	92	177954	27.4	
11 Dichlorodifluoromethane	85		1.282				ND	
13 Chloromethane	50		1.452				ND	
14 Vinyl chloride	62		1.549				ND	
15 Bromomethane	94		1.854				ND	
16 Chloroethane	64		1.933				ND	
18 Trichlorofluoromethane	101		2.164				ND	
21 112TCTFE	101		2.650				ND	
22 1,1-Dichloroethene	96		2.657				ND	
23 Acetone	43		2.772				ND	
25 Carbon disulfide	76		2.857				ND	
28 Methyl acetate	43		3.070				ND	
30 Methylene Chloride	84	3.174	3.168	0.006	71	12601	1.67	
32 Methyl tert-butyl ether	73		3.381				ND	
33 trans-1,2-Dichloroethene	96		3.393				ND	
36 1,1-Dichloroethane	63		3.812				ND	
43 cis-1,2-Dichloroethene	96		4.366				ND	
44 2-Butanone (MEK)	43		4.403				ND	
50 Chloroform	83		4.676				ND	
51 1,1,1-Trichloroethane	97		4.792				ND	
52 Cyclohexane	56		4.798				ND	
53 Carbon tetrachloride	117		4.926				ND	
55 Benzene	78		5.145				ND	
57 1,2-Dichloroethane	62		5.212				ND	
60 Trichloroethene	95		5.753				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.869				ND	
63 1,2-Dichloropropane	63		5.996				ND	
67 Dichlorobromomethane	83		6.282				ND	
71 cis-1,3-Dichloropropene	75		6.702				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.848				ND	U
73 Toluene	92		6.982				ND	
75 trans-1,3-Dichloropropene	75		7.268				ND	
78 1,1,2-Trichloroethane	83		7.457				ND	
79 Tetrachloroethene	166		7.511				ND	
82 2-Hexanone	43		7.688				ND	
83 Chlorodibromomethane	129		7.852				ND	
84 Ethylene Dibromide	107		7.961				ND	
85 Chlorobenzene	112		8.430				ND	
88 Ethylbenzene	91		8.527				ND	
90 m-Xylene & p-Xylene	106		8.649				ND	
91 o-Xylene	106		9.075				ND	
92 Styrene	104		9.099				ND	
93 Bromoform	173		9.355				ND	
95 Isopropylbenzene	105		9.458				ND	
98 1,1,2,2-Tetrachloroethane	83		9.872				ND	
100 N-Propylbenzene	91		9.890				ND	
104 1,3,5-Trimethylbenzene	105		10.066				ND	
108 1,2,4-Trimethylbenzene	105		10.437				ND	
110 1,3-Dichlorobenzene	146		10.729				ND	
113 1,4-Dichlorobenzene	146		10.821				ND	
116 1,2-Dichlorobenzene	146		11.174				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.904				ND	
119 1,2,4-Trichlorobenzene	180		12.579				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_00218

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5786.D

Injection Date: 04-Sep-2021 08:43:30

Instrument ID: HP5973N

Operator ID: AK/LH

Lims ID: 480-189085-A-10

Lab Sample ID: 480-189085-10

Worklist Smp#: 27

Client ID: VRI-9-20210901

Purge Vol: 5.000 mL

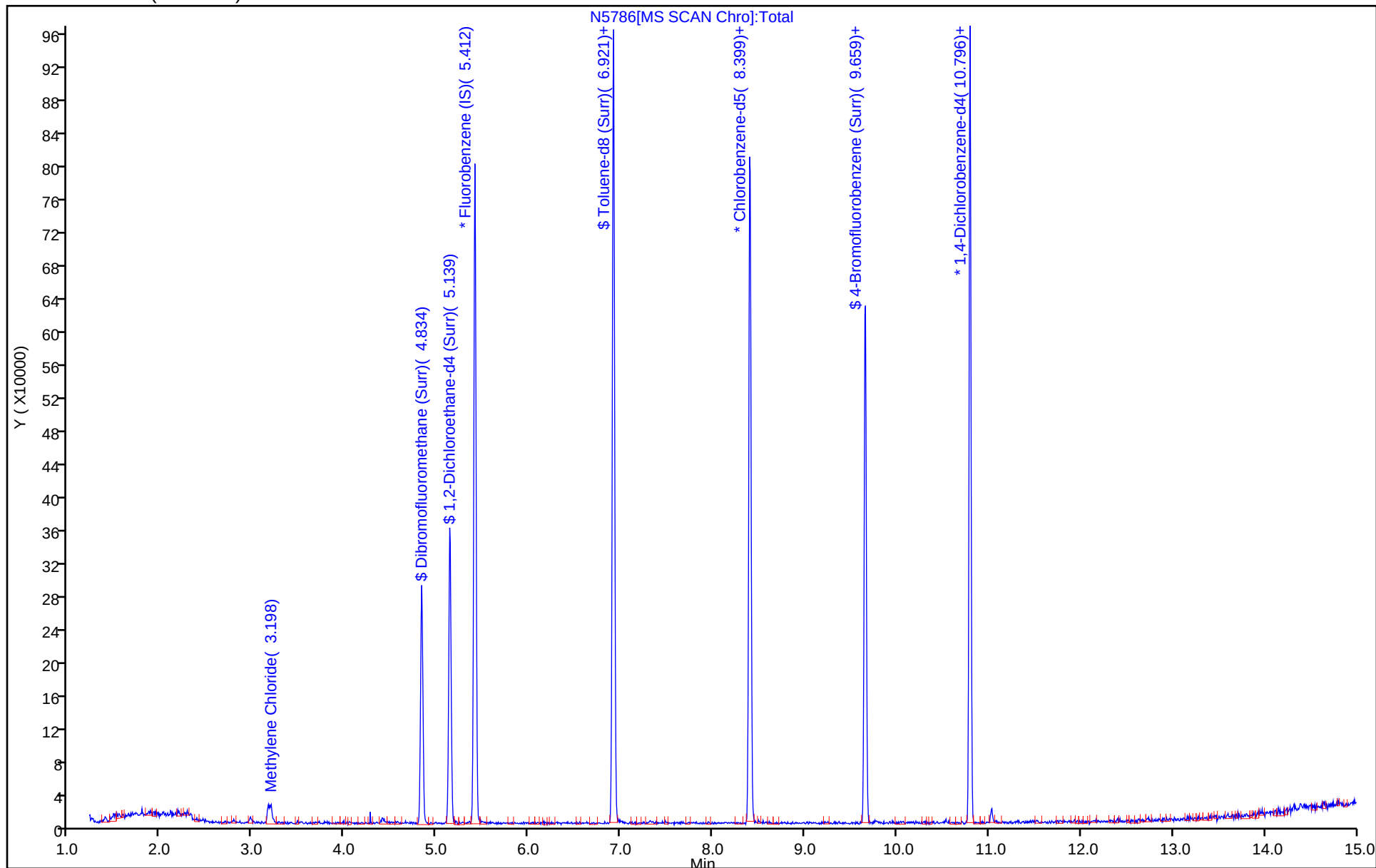
Dil. Factor: 2.0000

ALS Bottle#: 57

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5786.D

Injection Date: 04-Sep-2021 08:43:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-10

Lab Sample ID: 480-189085-10

Client ID: VRI-9-20210901

Operator ID: AK/LH

ALS Bottle#: 57

Worklist Smp#: 27

Purge Vol: 5.000 mL

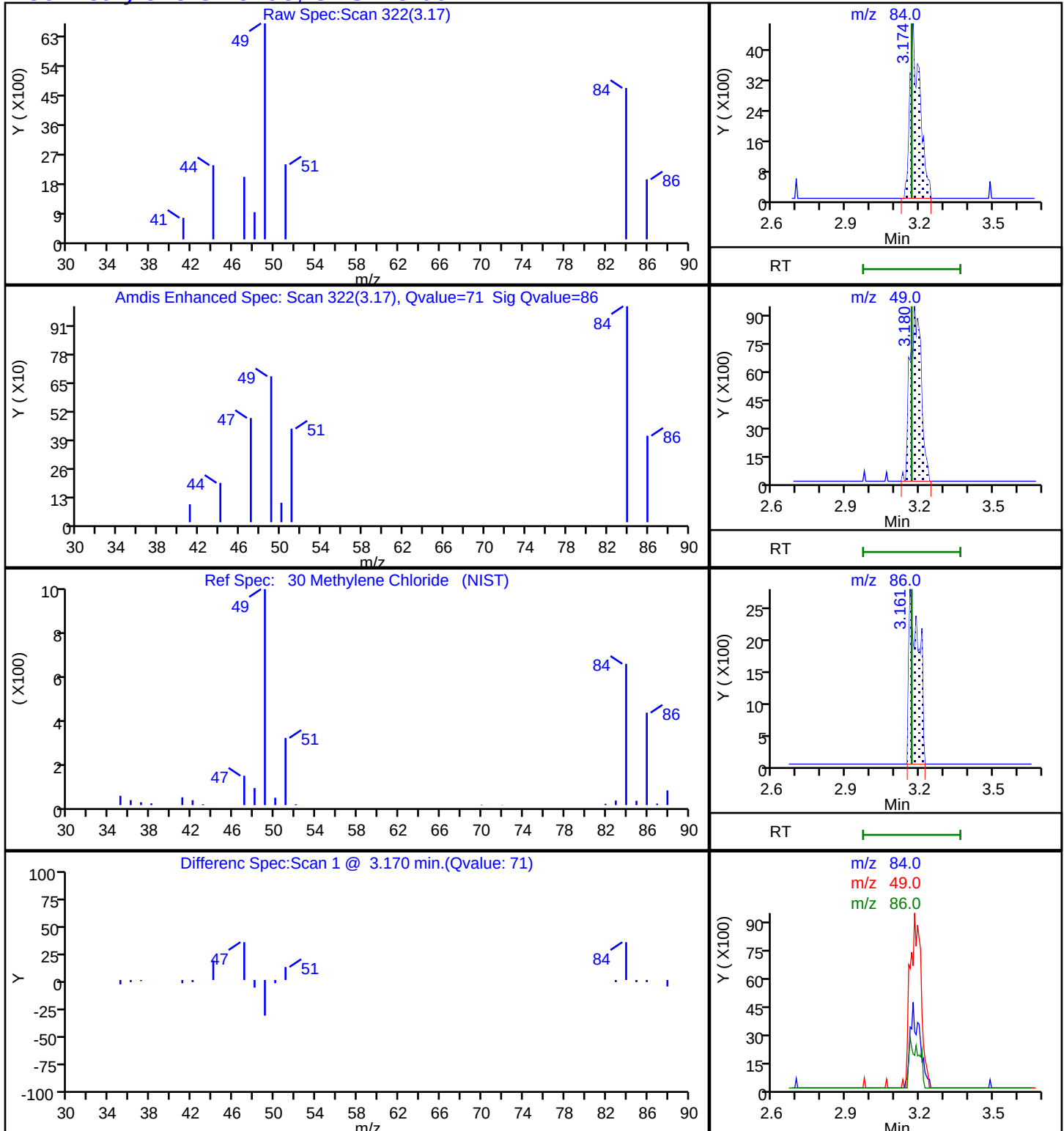
Dil. Factor: 2.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5786.D

Injection Date: 04-Sep-2021 08:43:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-10

Lab Sample ID: 480-189085-10

Client ID: VRI-9-20210901

Operator ID: AK/LH

ALS Bottle#: 57 Worklist Smp#: 27

Purge Vol: 5.000 mL

Dil. Factor: 2.0000

Method: N-8260

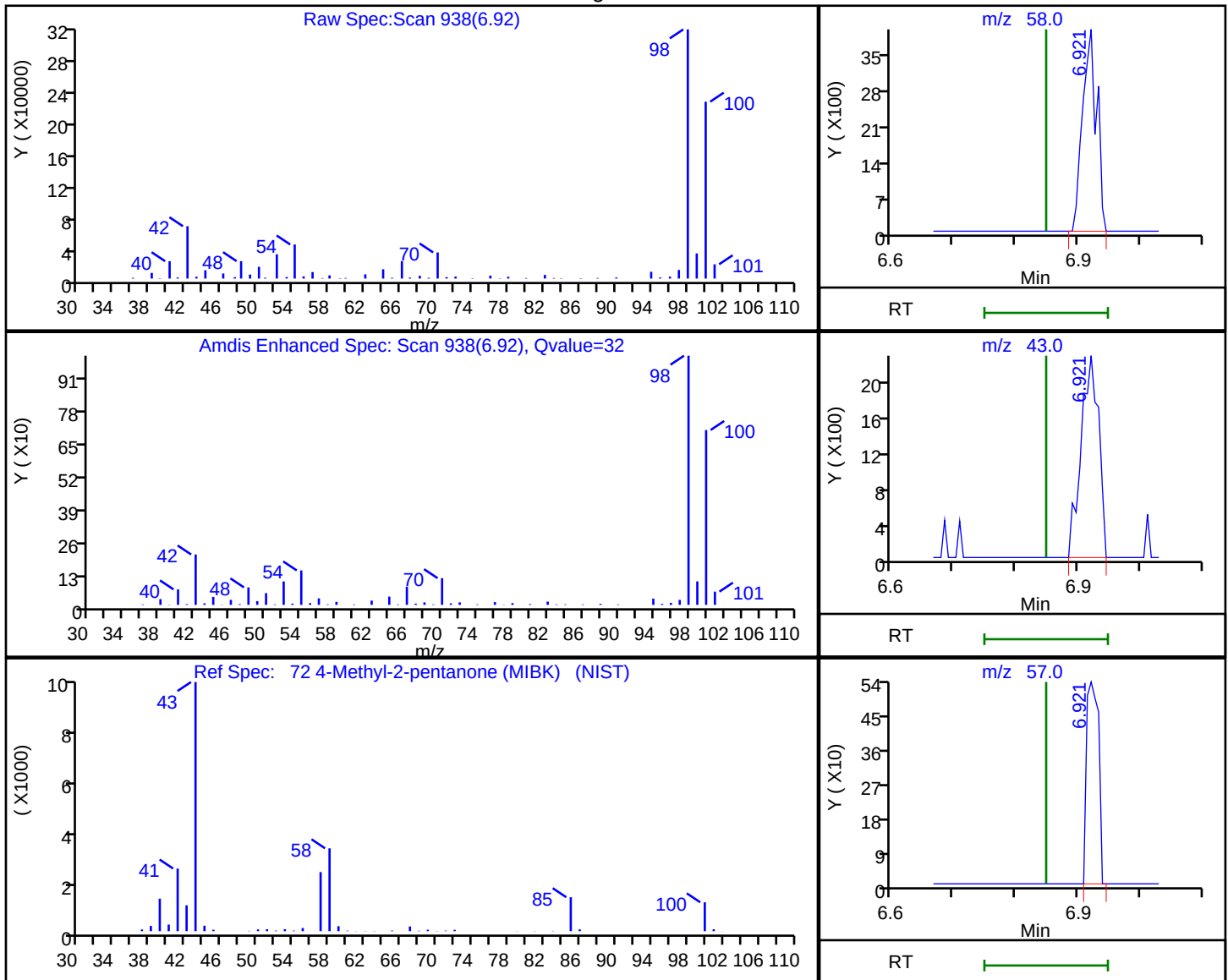
Limit Group: MV - 8260C ICAL

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
6.92	58.00	6386	1.469376
6.92	43.00	4400	
6.92	57.00	722	

Reviewer: kiwana, 07-Sep-2021 09:38:28

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: Duplicate-20210901 Lab Sample ID: 480-189085-11
 Matrix: Water Lab File ID: N5787.D
 Analysis Method: 8260C Date Collected: 09/01/2021 12:00
 Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 09:06
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		20	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	4.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2
79-00-5	1,1,2-Trichloroethane	ND		20	4.6
75-34-3	1,1-Dichloroethane	ND		20	7.6
75-35-4	1,1-Dichloroethene	ND		20	5.8
120-82-1	1,2,4-Trichlorobenzene	ND		20	8.2
95-63-6	1,2,4-Trimethylbenzene	220		20	15
96-12-8	1,2-Dibromo-3-Chloropropane	ND		20	7.8
106-93-4	1,2-Dibromoethane	ND		20	15
95-50-1	1,2-Dichlorobenzene	ND		20	16
107-06-2	1,2-Dichloroethane	ND		20	4.2
78-87-5	1,2-Dichloropropane	ND		20	14
108-67-8	1,3,5-Trimethylbenzene	580		20	15
541-73-1	1,3-Dichlorobenzene	ND		20	16
106-46-7	1,4-Dichlorobenzene	ND		20	17
78-93-3	2-Butanone (MEK)	ND		200	26
591-78-6	2-Hexanone	ND		100	25
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		100	42
67-64-1	Acetone	ND		200	60
71-43-2	Benzene	ND		20	8.2
75-27-4	Bromodichloromethane	ND		20	7.8
75-25-2	Bromoform	ND		20	5.2
74-83-9	Bromomethane	ND		20	14
75-15-0	Carbon disulfide	ND		20	3.8
56-23-5	Carbon tetrachloride	ND		20	5.4
108-90-7	Chlorobenzene	ND		20	15
75-00-3	Chloroethane	ND		20	6.4
67-66-3	Chloroform	ND		20	6.8
74-87-3	Chloromethane	ND		20	7.0
156-59-2	cis-1,2-Dichloroethene	ND		20	16
10061-01-5	cis-1,3-Dichloropropene	ND		20	7.2
110-82-7	Cyclohexane	ND		20	3.6
124-48-1	Dibromochloromethane	ND		20	6.4
75-71-8	Dichlorodifluoromethane	ND		20	14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: Duplicate-20210901 Lab Sample ID: 480-189085-11
 Matrix: Water Lab File ID: N5787.D
 Analysis Method: 8260C Date Collected: 09/01/2021 12:00
 Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 09:06
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		20	15
98-82-8	Isopropylbenzene	20		20	16
79-20-9	Methyl acetate	ND		50	26
1634-04-4	Methyl tert-butyl ether	ND		20	3.2
108-87-2	Methylcyclohexane	ND		20	3.2
75-09-2	Methylene Chloride	30		20	8.8
103-65-1	N-Propylbenzene	20		20	14
100-42-5	Styrene	ND		20	15
127-18-4	Tetrachloroethene	ND		20	7.2
108-88-3	Toluene	ND		20	10
156-60-5	trans-1,2-Dichloroethene	ND		20	18
10061-02-6	trans-1,3-Dichloropropene	ND		20	7.4
79-01-6	Trichloroethene	ND		20	9.2
75-69-4	Trichlorofluoromethane	ND		20	18
75-01-4	Vinyl chloride	ND		20	18
1330-20-7	Xylenes, Total	48		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	114		75-123
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5787.D
 Lims ID: 480-189085-A-11
 Client ID: Duplicate-20210901
 Sample Type: Client
 Inject. Date: 04-Sep-2021 09:06:30 ALS Bottle#: 58 Worklist Smp#: 28
 Purge Vol: 5.000 mL Dil. Factor: 20.0000
 Sample Info: 480-189085-A-11
 Misc. Info.: 480-0100806-028
 Operator ID: AK/LH Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Sep-2021 09:38:35 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1604

First Level Reviewer: kiwana

Date: 07-Sep-2021 09:43:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.412	5.406	0.006	98	104220	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.399	0.006	89	406826	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	96	219525	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	92	153549	28.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	-0.001	97	205673	29.9	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	95	499130	24.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	93	157319	25.3	
11 Dichlorodifluoromethane	85		1.282				ND	
13 Chloromethane	50		1.452				ND	
14 Vinyl chloride	62		1.549				ND	
15 Bromomethane	94		1.854				ND	
16 Chloroethane	64	2.072	1.933	0.139	1	362	0.0699	
18 Trichlorofluoromethane	101		2.164				ND	
21 112TCTFE	101		2.650				ND	
22 1,1-Dichloroethene	96		2.657				ND	
23 Acetone	43		2.772				ND	
25 Carbon disulfide	76		2.857				ND	
28 Methyl acetate	43		3.070				ND	
30 Methylene Chloride	84	3.167	3.168	-0.001	89	10774	1.50	
32 Methyl tert-butyl ether	73		3.381				ND	
33 trans-1,2-Dichloroethene	96		3.393				ND	
36 1,1-Dichloroethane	63		3.812				ND	
43 cis-1,2-Dichloroethene	96		4.366				ND	
44 2-Butanone (MEK)	43		4.403				ND	
50 Chloroform	83		4.676				ND	
51 1,1,1-Trichloroethane	97		4.792				ND	
52 Cyclohexane	56		4.798				ND	
53 Carbon tetrachloride	117		4.926				ND	
55 Benzene	78		5.145				ND	
57 1,2-Dichloroethane	62		5.212				ND	
60 Trichloroethene	95		5.753				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.869				ND	
63 1,2-Dichloropropane	63		5.996				ND	
67 Dichlorobromomethane	83		6.282				ND	
71 cis-1,3-Dichloropropene	75		6.702				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.848				ND	
73 Toluene	92		6.982				ND	
75 trans-1,3-Dichloropropene	75		7.268				ND	
78 1,1,2-Trichloroethane	83		7.457				ND	
79 Tetrachloroethene	166		7.511				ND	
82 2-Hexanone	43		7.688				ND	
83 Chlorodibromomethane	129		7.852				ND	
84 Ethylene Dibromide	107		7.961				ND	
85 Chlorobenzene	112		8.430				ND	
88 Ethylbenzene	91		8.527				ND	
90 m-Xylene & p-Xylene	106	8.643	8.655	-0.006	93	2562	0.2489	
91 o-Xylene	106	9.075	9.081	0.000	98	23896	2.41	
92 Styrene	104		9.099				ND	7
93 Bromoform	173		9.355				ND	
95 Isopropylbenzene	105	9.458	9.458	0.000	95	27406	1.01	
98 1,1,2,2-Tetrachloroethane	83		9.872				ND	
100 N-Propylbenzene	91	9.884	9.890	-0.006	98	32177	1.01	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	96	638439	29.2	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	97	249158	11.1	
110 1,3-Dichlorobenzene	146		10.729				ND	
113 1,4-Dichlorobenzene	146		10.821				ND	
116 1,2-Dichlorobenzene	146		11.174				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.904				ND	
119 1,2,4-Trichlorobenzene	180		12.579				ND	
S 126 Xylenes, Total	1				0		2.66	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5787.D

Injection Date: 04-Sep-2021 09:06:30

Instrument ID: HP5973N

Operator ID: AK/LH

Lims ID: 480-189085-A-11

Lab Sample ID: 480-189085-11

Worklist Smp#: 28

Client ID: Duplicate-20210901

Purge Vol: 5.000 mL

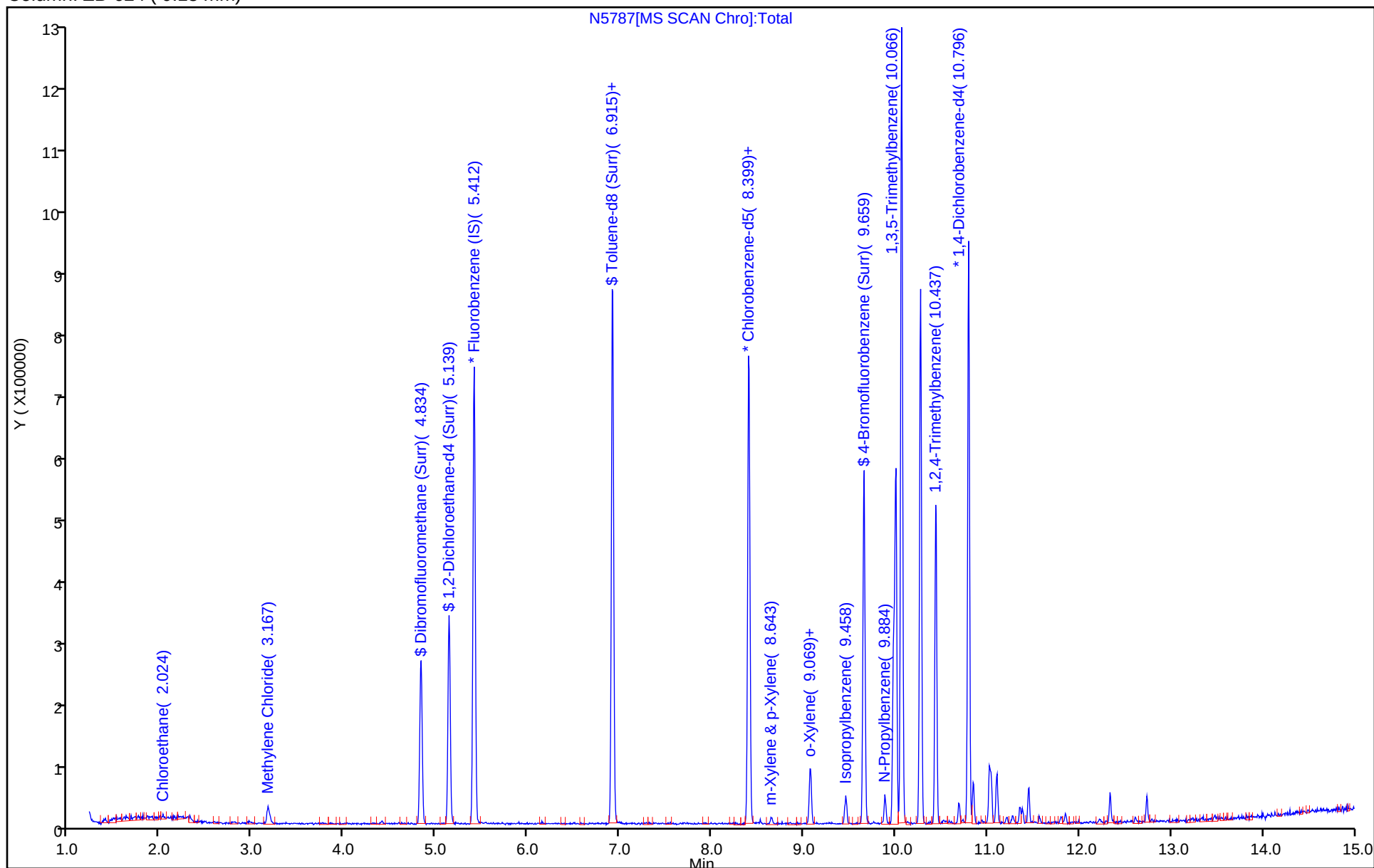
Dil. Factor: 20.0000

ALS Bottle#: 58

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5787.D

Injection Date: 04-Sep-2021 09:06:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-11

Lab Sample ID: 480-189085-11

Client ID: Duplicate-20210901

Operator ID: AK/LH

ALS Bottle#: 58

Worklist Smp#: 28

Purge Vol: 5.000 mL

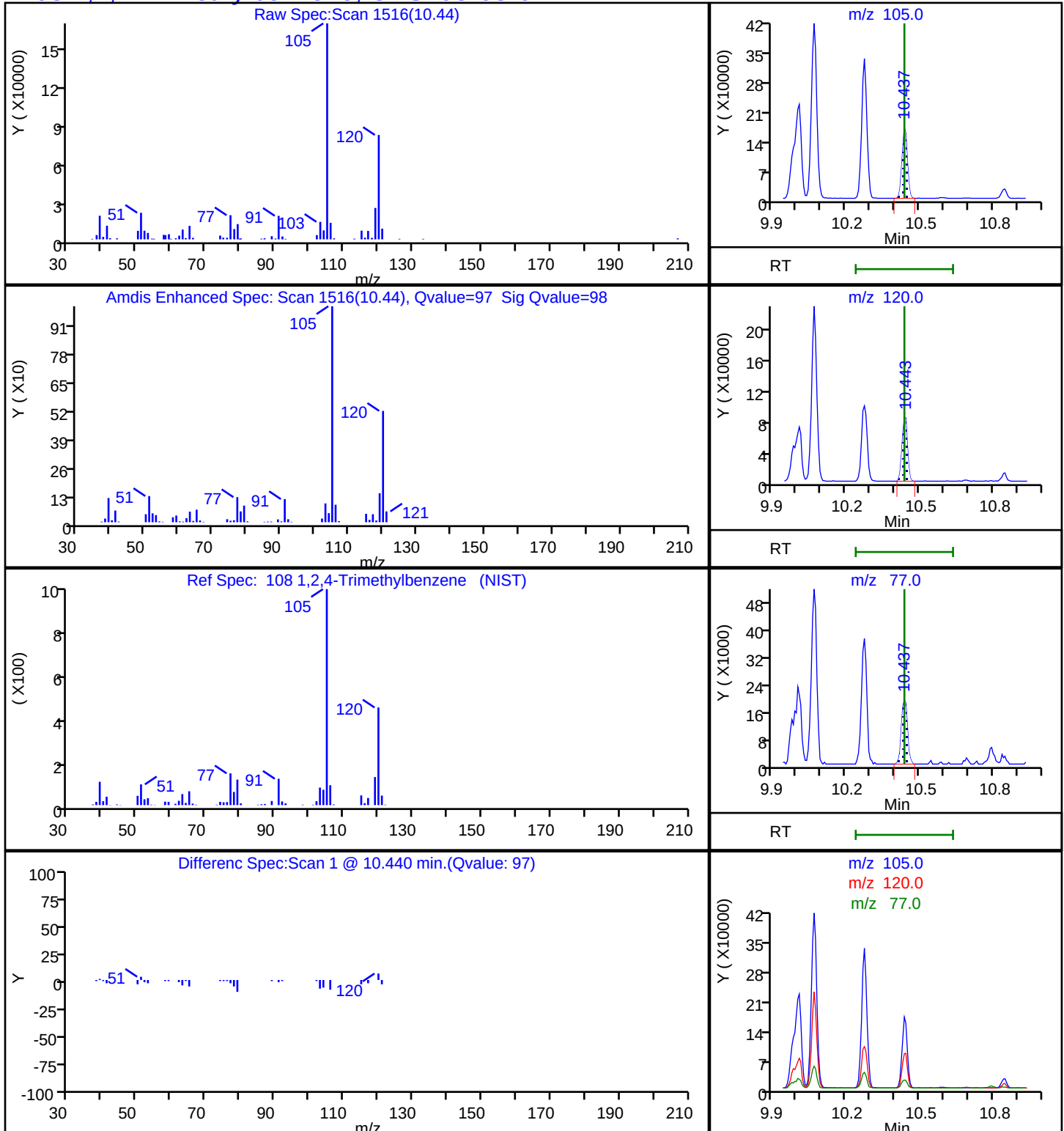
Dil. Factor: 20.0000

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 TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5787.D

Injection Date: 04-Sep-2021 09:06:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-11

Lab Sample ID: 480-189085-11

Client ID: Duplicate-20210901

Operator ID: AK/LH

ALS Bottle#: 58

Worklist Smp#: 28

Purge Vol: 5.000 mL

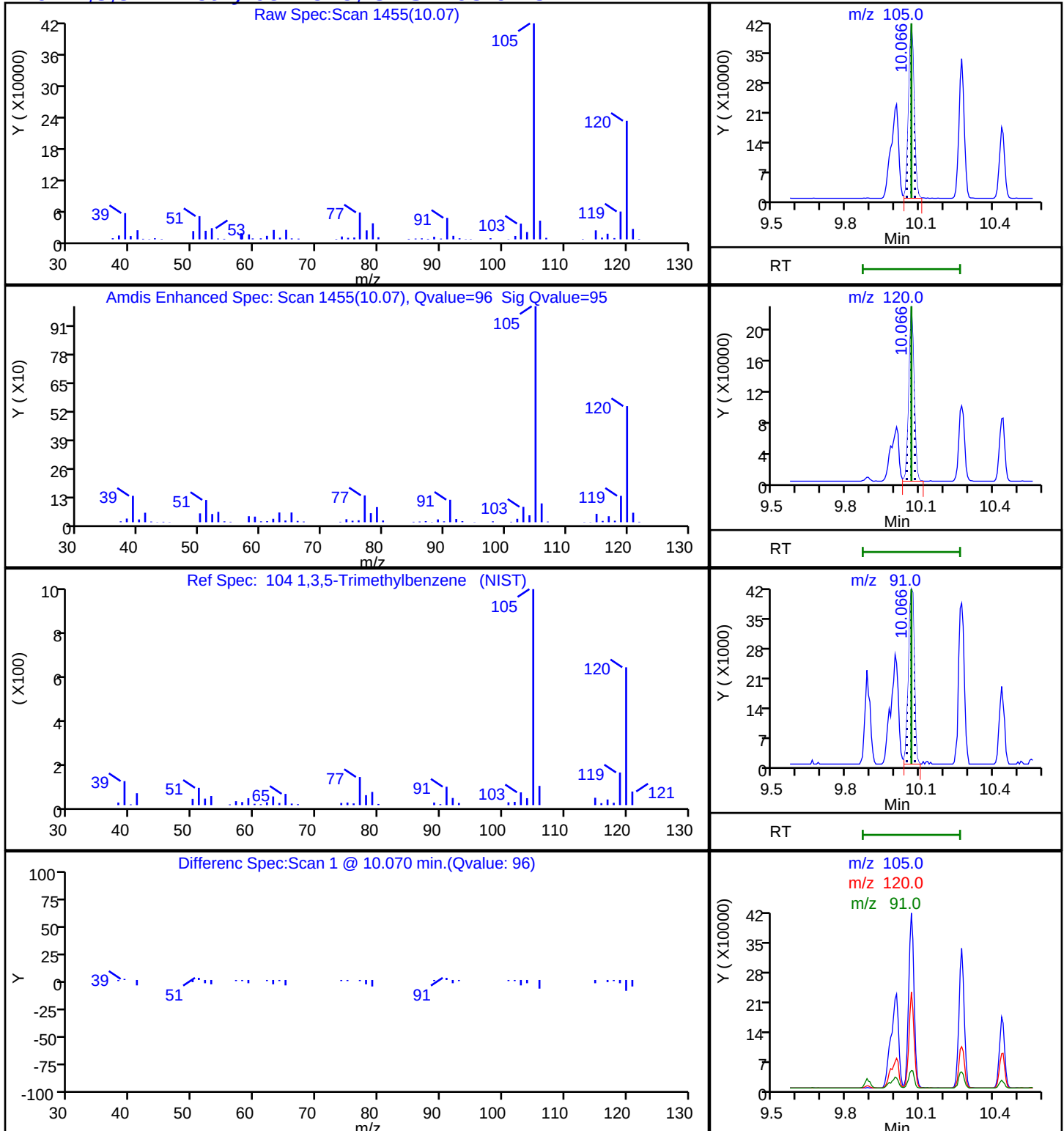
Dil. Factor: 20.0000

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 TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5787.D

Injection Date: 04-Sep-2021 09:06:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-11

Lab Sample ID: 480-189085-11

Client ID: Duplicate-20210901

Operator ID: AK/LH

ALS Bottle#: 58

Worklist Smp#: 28

Purge Vol: 5.000 mL

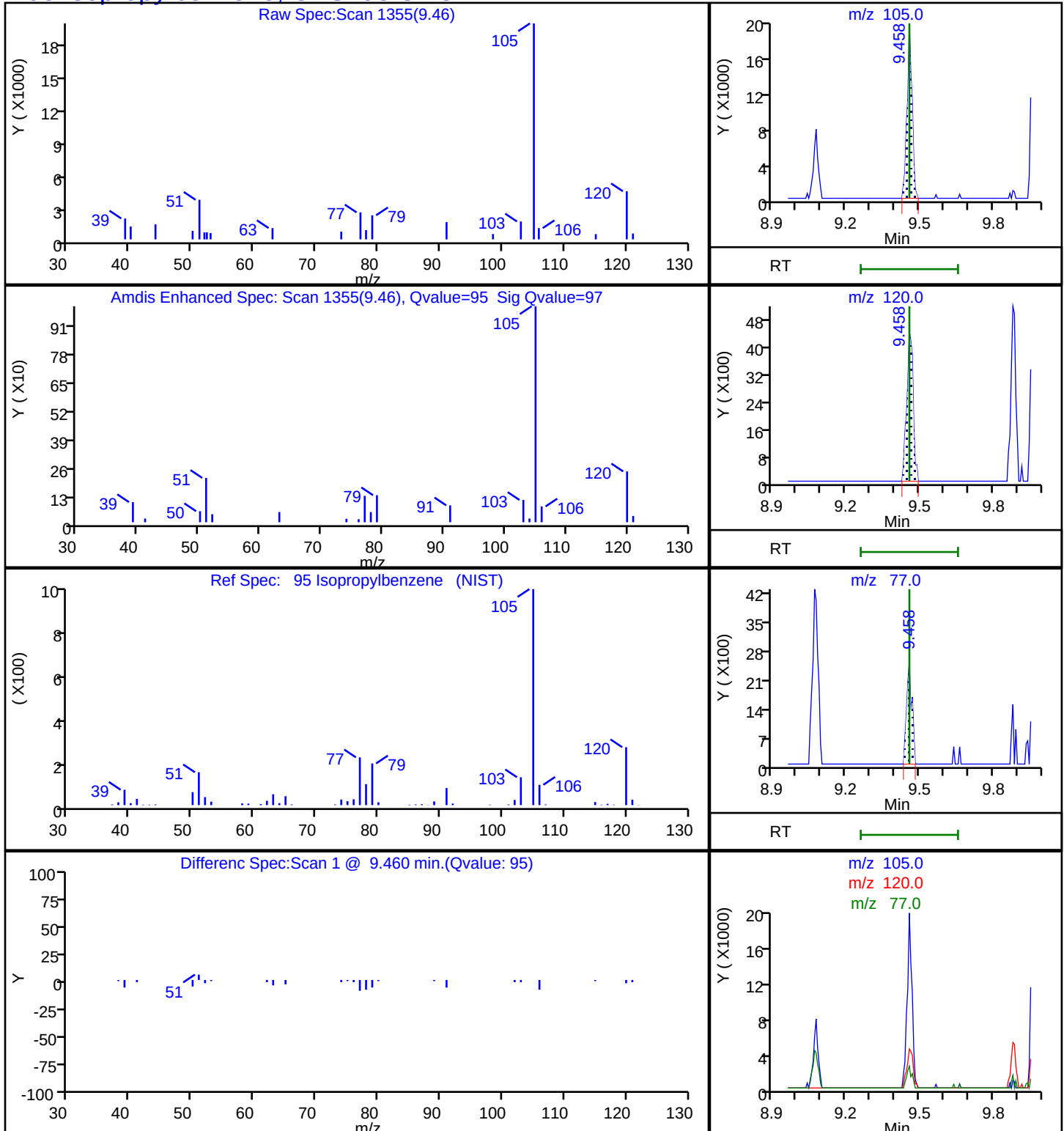
Dil. Factor: 20.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

95 Isopropylbenzene, CAS: 98-82-8

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5787.D

Injection Date: 04-Sep-2021 09:06:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-11

Lab Sample ID: 480-189085-11

Client ID: Duplicate-20210901

Operator ID: AK/LH

ALS Bottle#: 58

Worklist Smp#: 28

Purge Vol: 5.000 mL

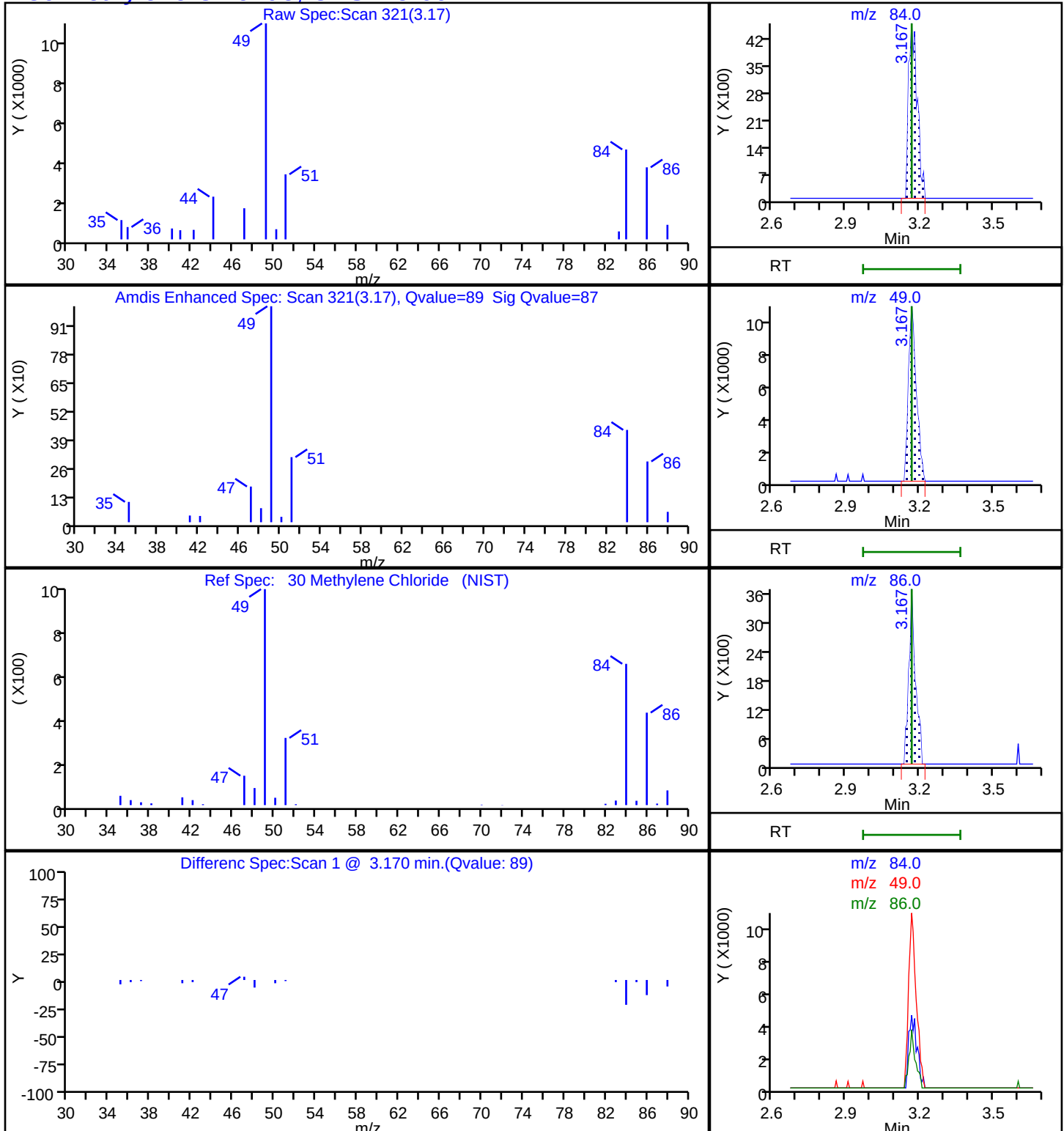
Dil. Factor: 20.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5787.D

Injection Date: 04-Sep-2021 09:06:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-11

Lab Sample ID: 480-189085-11

Client ID: Duplicate-20210901

Operator ID: AK/LH

ALS Bottle#: 58

Worklist Smp#: 28

Purge Vol: 5.000 mL

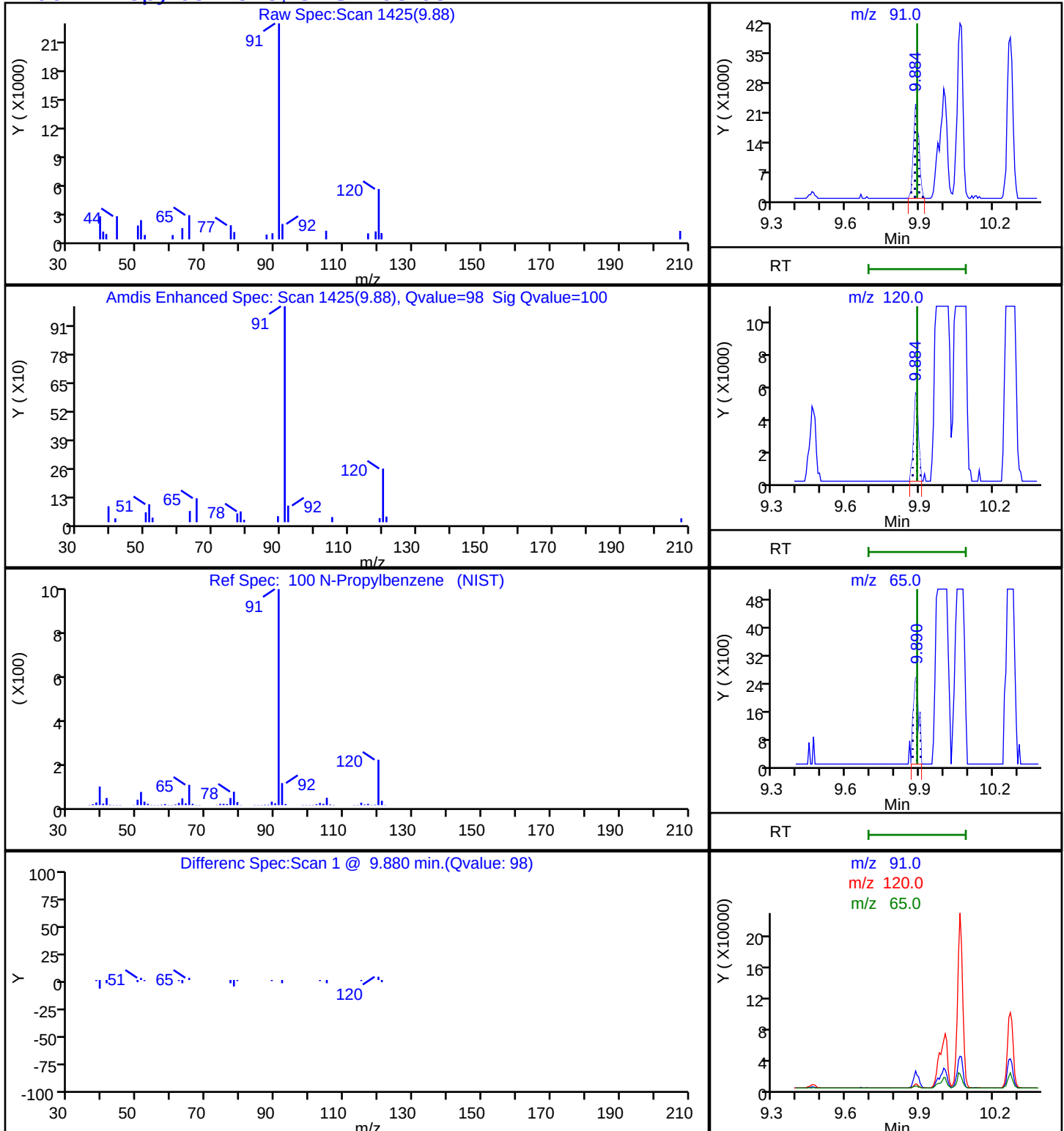
Dil. Factor: 20.0000

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 TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5787.D

Injection Date: 04-Sep-2021 09:06:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-11

Lab Sample ID: 480-189085-11

Client ID: Duplicate-20210901

Operator ID: AK/LH

ALS Bottle#: 58

Worklist Smp#: 28

Purge Vol: 5.000 mL

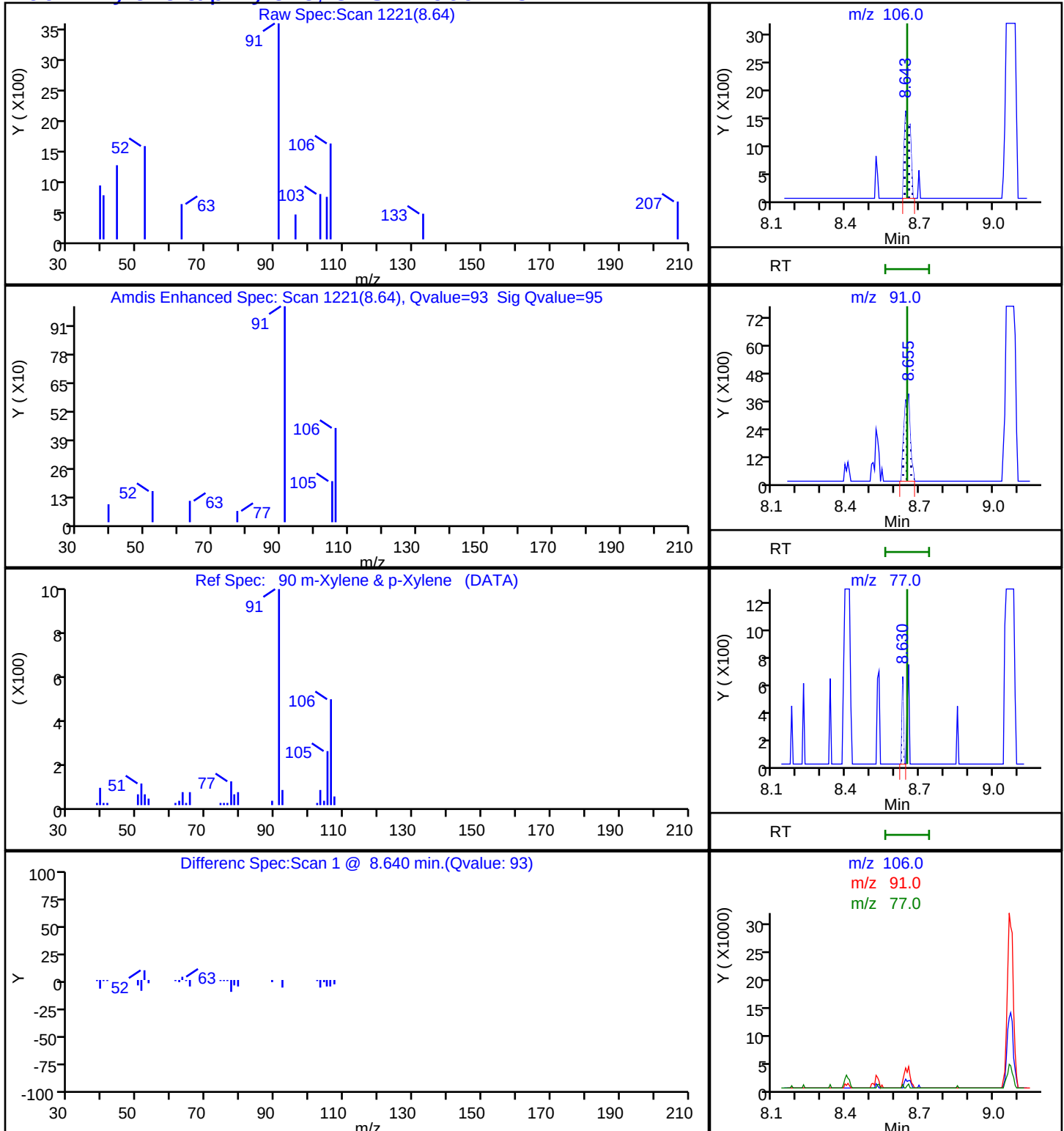
Dil. Factor: 20.0000

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 TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5787.D

Injection Date: 04-Sep-2021 09:06:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-11

Lab Sample ID: 480-189085-11

Client ID: Duplicate-20210901

Operator ID: AK/LH

ALS Bottle#: 58

Worklist Smp#: 28

Purge Vol: 5.000 mL

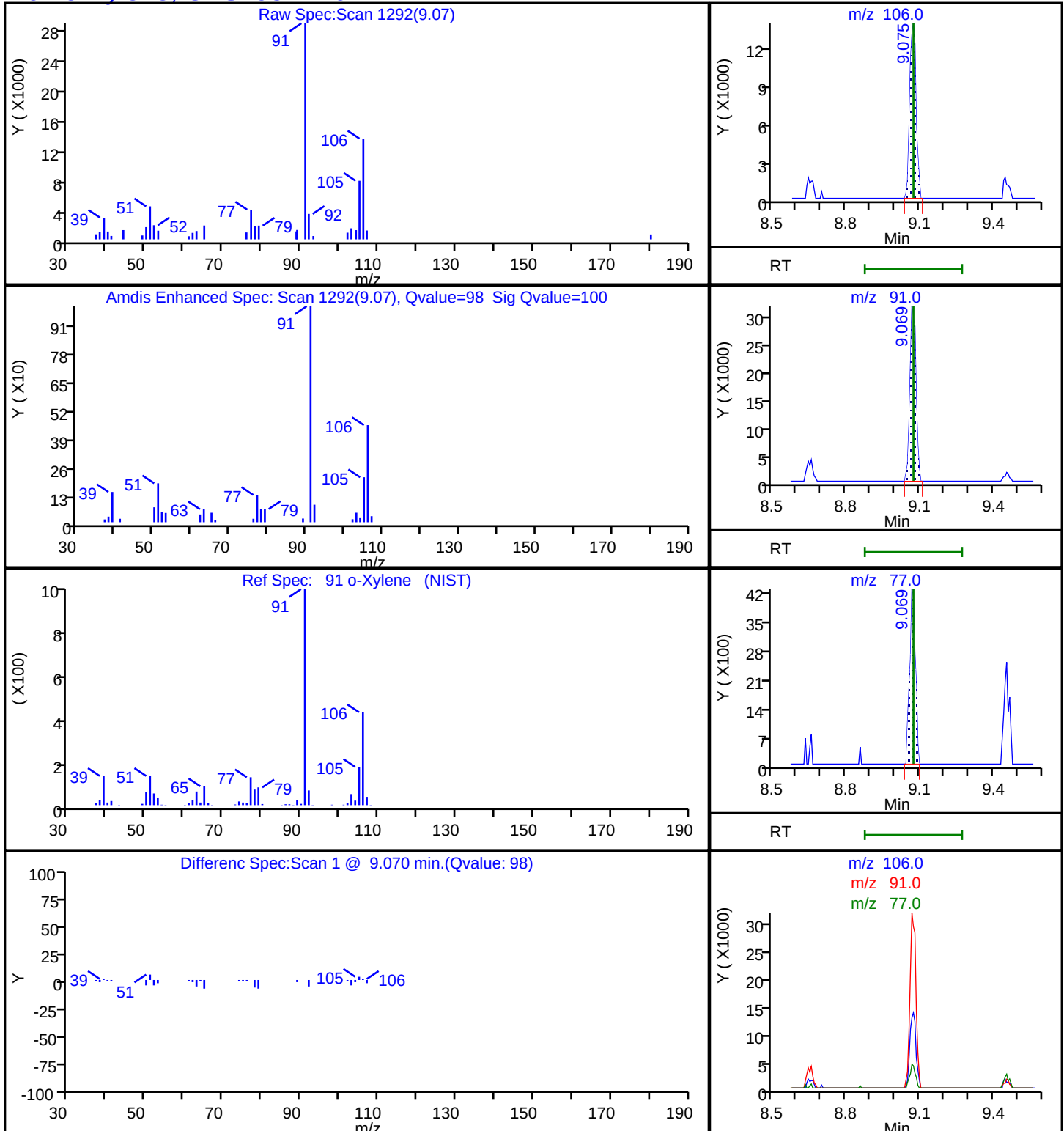
Dil. Factor: 20.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-189085-1</u>
SDG No.: _____	
Client Sample ID: <u>Trip Blank</u>	Lab Sample ID: <u>480-189085-12</u>
Matrix: <u>Water</u>	Lab File ID: <u>N5788.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>09/01/2021 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>09/04/2021 09:29</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>595264</u>	Units: <u>ug/L</u>

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
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: Trip Blank Lab Sample ID: 480-189085-12
 Matrix: Water Lab File ID: N5788.D
 Analysis Method: 8260C Date Collected: 09/01/2021 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 09:29
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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)	114		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5788.D
 Lims ID: 480-189085-A-12
 Client ID: Trip Blank
 Sample Type: Client
 Inject. Date: 04-Sep-2021 09:29:30 ALS Bottle#: 59 Worklist Smp#: 29
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-189085-A-12
 Misc. Info.: 480-0100806-029
 Operator ID: AK/LH Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Sep-2021 09:43:50 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1604

First Level Reviewer: kiwana

Date: 07-Sep-2021 09:43:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.412	5.406	0.006	97	112034	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.399	0.006	90	428438	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	96	235251	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	93	153380	26.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	97	211338	28.6	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	544029	25.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	90	169846	25.9	
11 Dichlorodifluoromethane	85		1.282				ND	
13 Chloromethane	50		1.452				ND	
14 Vinyl chloride	62		1.549				ND	
15 Bromomethane	94		1.854				ND	
16 Chloroethane	64		1.933				ND	
18 Trichlorofluoromethane	101		2.164				ND	
21 112TCTFE	101		2.650				ND	
22 1,1-Dichloroethene	96		2.657				ND	
23 Acetone	43		2.772				ND	
25 Carbon disulfide	76		2.857				ND	
28 Methyl acetate	43		3.070				ND	
30 Methylene Chloride	84		3.168				ND	
32 Methyl tert-butyl ether	73		3.381				ND	
33 trans-1,2-Dichloroethene	96		3.393				ND	
36 1,1-Dichloroethane	63		3.812				ND	
43 cis-1,2-Dichloroethene	96		4.366				ND	
44 2-Butanone (MEK)	43		4.403				ND	
50 Chloroform	83		4.676				ND	
51 1,1,1-Trichloroethane	97		4.792				ND	
52 Cyclohexane	56		4.798				ND	
53 Carbon tetrachloride	117		4.926				ND	
55 Benzene	78		5.145				ND	
57 1,2-Dichloroethane	62		5.212				ND	
60 Trichloroethene	95		5.753				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.869				ND	
63 1,2-Dichloropropane	63		5.996				ND	
67 Dichlorobromomethane	83		6.282				ND	
71 cis-1,3-Dichloropropene	75		6.702				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.848				ND	U
73 Toluene	92		6.982				ND	
75 trans-1,3-Dichloropropene	75		7.268				ND	
78 1,1,2-Trichloroethane	83		7.457				ND	
79 Tetrachloroethene	166		7.511				ND	
82 2-Hexanone	43		7.688				ND	
83 Chlorodibromomethane	129		7.852				ND	
84 Ethylene Dibromide	107		7.961				ND	
85 Chlorobenzene	112		8.430				ND	
88 Ethylbenzene	91		8.527				ND	
90 m-Xylene & p-Xylene	106		8.649				ND	
91 o-Xylene	106		9.075				ND	
92 Styrene	104		9.099				ND	
93 Bromoform	173		9.355				ND	
95 Isopropylbenzene	105		9.458				ND	
98 1,1,2,2-Tetrachloroethane	83		9.872				ND	
100 N-Propylbenzene	91		9.890				ND	
104 1,3,5-Trimethylbenzene	105		10.066				ND	
108 1,2,4-Trimethylbenzene	105		10.437				ND	
110 1,3-Dichlorobenzene	146		10.729				ND	
113 1,4-Dichlorobenzene	146		10.821				ND	
116 1,2-Dichlorobenzene	146		11.174				ND	
117 1,2-Dibromo-3-Chloropropane	75		11.904				ND	
119 1,2,4-Trichlorobenzene	180		12.579				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_00218

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5788.D

Injection Date: 04-Sep-2021 09:29:30

Instrument ID: HP5973N

Operator ID: AK/LH

Lims ID: 480-189085-A-12

Lab Sample ID: 480-189085-12

Worklist Smp#: 29

Client ID: Trip Blank

Purge Vol: 5.000 mL

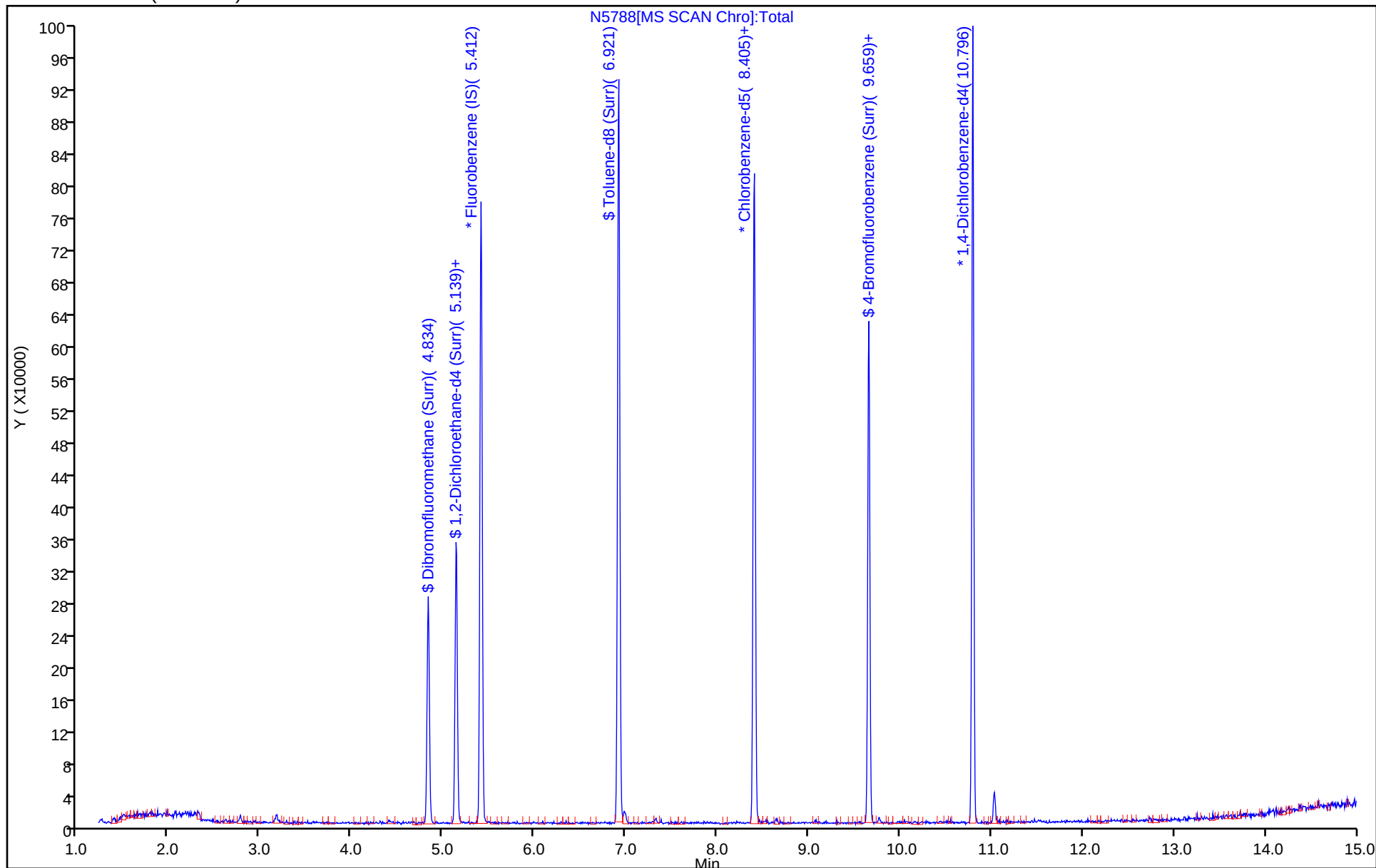
Dil. Factor: 1.0000

ALS Bottle#: 59

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5788.D

Injection Date: 04-Sep-2021 09:29:30

Instrument ID: HP5973N

Lims ID: 480-189085-A-12

Lab Sample ID: 480-189085-12

Client ID: Trip Blank

Operator ID: AK/LH

ALS Bottle#:

59

Worklist Smp#: 29

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

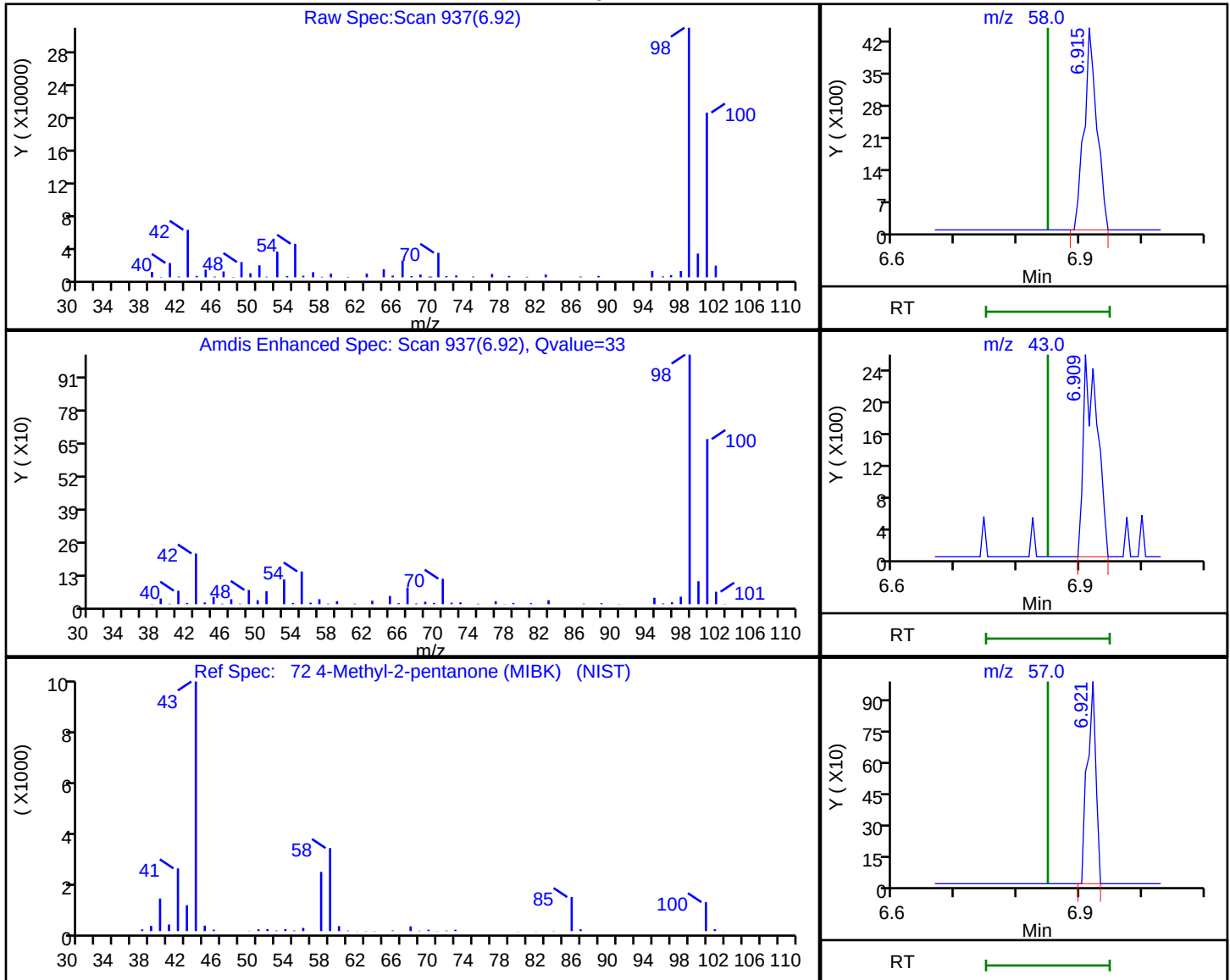
Column: ZB-624 (0.18 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.92	58.00	6284	1.430301
6.91	43.00	4026	
6.92	57.00	945	

Reviewer: kiwana, 07-Sep-2021 09:43:40

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 TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594935

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2021 15:06 Calibration End Date: 09/01/2021 17:46 Calibration ID: 42361

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-594935/16	C7187.D
Level 2	IC 480-594935/17	C7188.D
Level 3	IC 480-594935/18	C7189.D
Level 4	IC 480-594935/19	C7190.D
Level 5	IC 480-594935/20	C7191.D
Level 6	ICIS 480-594935/21	C7192.D
Level 7	IC 480-594935/22	C7193.D
Level 8	IC 480-594935/23	C7194.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	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	+++++ 2.0289	1.5942 2.2116	1.5134 2.1526	1.9298	1.9269	Ave		1.908 2			0.1000	13.9		20.0			
Chloromethane	2.4742 2.7137	2.5595 2.9409	2.5269 2.9630	3.0952	3.0090	Ave		2.785 3			0.1000	8.8		20.0			
Vinyl chloride	1.3835 2.0801	1.9152 2.2110	1.8360 2.2156	2.1644	2.0659	Ave		1.984 0			0.1000	14.0		20.0			
Butadiene	1.6476 2.0914	1.7167 2.3043	1.7949 2.2876	2.1972	2.0386	Ave		2.009 8				12.9		20.0			
Bromomethane	1.4271 1.1264	1.3995 1.2678	1.1877 1.2265	1.3296	1.2855	Ave		1.281 3			0.1000	8.0		20.0			
Chloroethane	0.9138 1.1416	1.1207 1.2330	1.0803 1.2054	1.2096	1.1391	Ave		1.130 4			0.1000	9.0		20.0			
Dichlorofluoromethane	2.6276 2.6701	2.2797 2.8385	2.4486 2.9925	2.8222	2.7312	Ave		2.676 3				8.5		20.0			
Trichlorofluoromethane	+++++ 2.4338	2.0623 2.6176	1.7784 2.6915	2.5021	2.3117	Ave		2.342 5			0.1000	13.8		20.0			
Ethyl ether	1.6014 1.5978	1.5492 1.6574	1.4009 1.6421	1.5464	1.4799	Ave		1.559 4				5.5		20.0			
Acrolein	0.0957 0.0963	0.0774 0.0997	0.0904 0.1048	0.0953	0.0862	Ave		0.093 2				9.1		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.5887	1.2413 1.7182	1.0818 1.6902	1.5538	1.4209	Lin1	-0.81 2	1.687 7			0.1000	12.3			0.9980		0.9900
1,1-Dichloroethene	+++++ 1.4648	1.0847 1.5976	1.1818 1.5966	1.5063	1.3677	Ave		1.399 9			0.1000	14.3		20.0			
Acetone	1.0611 0.9971	0.9283 0.8483	0.8915 0.9877	0.8813	0.8745	Ave		0.933 7			0.1000	7.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594935

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2021 15:06 Calibration End Date: 09/01/2021 17:46 Calibration ID: 42361

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	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	2.6947 2.7862	2.2324 3.0142	2.3253 3.0455	2.9087	2.6981	Ave		2.713 1				11.0		20.0			
Carbon disulfide	++++ 4.9943	3.5676 5.5779	4.0874 5.5777	4.9912	4.7038	Lin1	-2.72 9	5.514 8			0.1000	8.5			0.9980		0.9900
Allyl chloride	3.3491 3.2126	2.3867 3.4576	2.3917 3.5056	3.2115	3.0273	Ave		3.067 8				14.5		20.0			
Methyl acetate	2.3977 2.0634	2.1108 2.0209	2.0585 2.1175	2.0578	1.9856	Ave		2.101 5			0.1000	6.1		20.0			
Methylene Chloride	4.6898 1.8258	2.9935 1.8560	2.0962 1.8715	1.9979	1.8110	Lin1	1.024 1	1.833 3			0.1000	9.7			0.9990		0.9900
2-Methyl-2-propanol	0.2296 0.2441	0.1894 0.2053	0.2200 ++++	0.1902	0.1841	Ave		0.209 0				11.0		20.0			
Methyl tert-butyl ether	3.9470 4.5721	3.7588 4.9974	4.1210 5.3156	4.4722	4.4347	Ave		4.452 4			0.1000	11.7		20.0			
trans-1,2-Dichloroethene	1.3536 1.7415	1.2936 1.8455	1.3411 1.8457	1.7442	1.6285	Ave		1.599 2			0.1000	14.6		20.0			
Acrylonitrile	1.2314 1.2232	1.1260 1.1401	1.1618 1.2207	1.2120	1.1661	Ave		1.185 2				3.5		20.0			
Hexane	++++ 2.5999	2.0127 2.7591	1.6229 2.6519	2.3469	2.2332	Lin1	-1.34 8	2.678 3				14.2			0.9980		0.9900
1,1-Dichloroethane	2.5374 3.1609	2.4596 3.2502	2.5327 3.2240	3.1573	2.9948	Ave		2.914 6			0.2000	11.8		20.0			
Vinyl acetate	2.8704 3.4858	2.9418 3.6380	2.7786 3.7972	2.9572	3.1473	Ave		3.202 0				12.1		20.0			
2,2-Dichloropropane	++++ 1.0213	0.7148 1.2438	0.7761 ++++	0.8821	1.0124	Lin1	-0.74 2	1.171 8				15.5			0.9900		0.9900
cis-1,2-Dichloroethene	1.7421 1.8576	1.4939 1.9203	1.4866 1.8686	1.9312	1.8149	Ave		1.764 4			0.1000	10.2		20.0			
2-Butanone (MEK)	1.1549 1.3858	1.1353 1.2163	1.2162 1.3124	1.1411	1.2125	Ave		1.221 8			0.1000	7.2		20.0			
Chlorobromomethane	1.0181 1.0565	0.8604 1.0519	0.8321 1.0677	1.0379	0.9890	Ave		0.989 2				9.3		20.0			
Tetrahydrofuran	1.1941 0.9444	1.0050 0.8855	0.9864 0.9076	0.9100	0.9099	Ave		0.967 9				10.4		20.0			
Chloroform	3.4965 2.9472	2.6898 2.9746	2.4878 2.9684	2.8841	2.7723	Ave		2.902 6			0.2000	10.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594935

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2021 15:06 Calibration End Date: 09/01/2021 17:46 Calibration ID: 42361

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	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	++++ 2.2097	1.5896 2.4519	1.7346 2.5145	2.0978	1.9689	Lin1	-1.41 1	2.458 1			0.1000	12.4			0.9970		0.9900
Cyclohexane	++++ 3.5114	2.2610 3.8178	2.3845 3.7815	3.4697	3.1653	Lin1	-2.14 3	3.771 3			0.1000	10.0			0.9990		0.9900
Carbon tetrachloride	++++ 1.8337	1.3223 2.1994	1.5100 ++++	1.7908	1.7336	Lin1	-1.11 3	2.076 6			0.1000	12.0			0.9920		0.9900
1,1-Dichloropropene	1.9489 2.0475	1.4671 2.0883	1.5596 2.0343	1.9313	1.8013	Ave		1.859 8				12.5		20.0			
Benzene	4.6770 5.6875	5.0667 5.7083	4.5735 5.7859	5.6814	5.5150	Ave		5.336 9			0.5000	9.2		20.0			
Isobutyl alcohol	++++ 0.1045	0.0683 0.0917	0.0757 ++++	0.0739	0.0752	Lin1	-1.04 3	0.094 5				14.6			0.9900		0.9900
1,2-Dichloroethane	2.2481 2.3277	2.4157 2.3094	2.2176 2.2832	2.2785	2.2557	Ave		2.292 0			0.1000	2.7		20.0			
n-Heptane	2.6909 2.9978	2.6038 3.1271	2.2186 2.8946	2.8067	2.8070	Ave		2.768 3				10.0		20.0			
Trichloroethene	1.2399 1.5667	1.2825 1.6168	1.2062 1.5936	1.4979	1.4320	Ave		1.429 5			0.2000	11.6		20.0			
Methylcyclohexane	++++ 2.7271	1.8627 3.0364	1.6867 3.0105	2.4689	2.4654	Lin1	-1.96 3	2.989 7			0.1000	14.7			0.9980		0.9900
1,2-Dichloropropane	1.0676 1.5583	1.3206 1.5630	1.4418 1.5399	1.4350	1.4773	Ave		1.425 4			0.1000	11.6		20.0			
Dibromomethane	1.0719 1.0585	0.9149 1.0420	0.9316 1.0307	1.0883	1.0277	Ave		1.020 7			0.1000	6.2		20.0			
1,4-Dioxane	0.0038 0.0090	0.0055 0.0077	0.0086 0.0082	0.0071	0.0084	Lin1	-0.03 4	0.008 2				10.1			0.9970		0.9900
Bromodichloromethane	1.8109 1.9033	1.5228 1.9432	1.4869 1.9892	1.8398	1.8170	Ave		1.789 1			0.2000	10.4		20.0			
2-Chloroethyl vinyl ether	0.7035 0.9517	0.7384 0.8979	0.8188 0.8876	0.8597	0.9344	Ave		0.849 0				10.6		20.0			
cis-1,3-Dichloropropene	++++ 1.8699	1.3640 1.8728	1.3749 2.0311	1.5933	1.6191	Ave		1.675 0			0.2000	15.4		20.0			
4-Methyl-2-pentanone (MIBK)	1.1684 1.3027	0.9856 1.2965	1.1721 1.3891	1.1981	1.2080	Ave		1.215 0			0.1000	9.9		20.0			
Toluene	1.5889 1.6765	1.4198 1.7155	1.3848 1.7146	1.7519	1.6280	Ave		1.610 0			0.4000	8.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594935

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2021 15:06 Calibration End Date: 09/01/2021 17:46 Calibration ID: 42361

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	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	++++ 0.6900	0.4783 0.7163	0.4957 ++++	0.5565	0.5804	Lin1	-0.37 7	0.703 1			0.1000	13.5			0.9960		0.9900
Ethyl methacrylate	0.5552 0.7357	0.5855 0.7738	0.5514 ++++	0.6194	0.6427	Ave		0.637 7				13.7		20.0			
1,1,2-Trichloroethane	0.4328 0.5039	0.4824 0.5251	0.4953 0.5109	0.5103	0.5364	Ave		0.499 6			0.1000	6.4		20.0			
Tetrachloroethene	0.4293 0.7201	0.5624 0.7403	0.5943 0.7400	0.7398	0.6524	Lin1	-0.16 4	0.736 7			0.2000	7.9			0.9990		0.9900
1,3-Dichloropropane	0.8375 0.9811	0.9018 0.9720	0.9002 0.9621	0.9782	0.9636	Ave		0.937 1				5.5		20.0			
2-Hexanone	0.6363 0.8004	0.5379 0.7746	0.7147 0.8202	0.7071	0.7526	Ave		0.718 0			0.1000	13.0		20.0			
Dibromochloromethane	0.6463 0.7004	0.5429 0.7202	0.6200 0.7534	0.6552	0.6651	Ave		0.662 9			0.1000	9.8		20.0			
1,2-Dibromoethane	0.4781 0.6301	0.5121 0.6308	0.6308 0.6633	0.5982	0.5967	Ave		0.592 5				10.9		20.0			
Chlorobenzene	1.6088 1.9408	1.6185 2.0324	1.8389 2.0353	2.0507	1.9097	Ave		1.879 4			0.5000	9.5		20.0			
Ethylbenzene	2.7275 3.2545	2.3256 3.4517	2.6625 3.5123	3.1727	3.1136	Ave		3.027 5			0.1000	13.7		20.0			
1,1,1,2-Tetrachloroethane	++++ 0.6945	0.5478 0.7931	0.6071 ++++	0.6706	0.6540	Ave		0.661 2				12.5		20.0			
m,p-Xylene	1.0061 1.2715	0.8733 1.3705	1.1020 1.3721	1.2193	1.2323	Ave		1.180 9			0.1000	14.9		20.0			
o-Xylene	1.0547 1.3179	1.0532 1.4279	1.0013 1.4766	1.3440	1.2470	Ave		1.240 3			0.3000	14.8		20.0			
Styrene	1.7512 2.1480	1.5148 2.2535	1.7465 2.3607	2.0491	1.9837	Ave		1.975 9			0.3000	14.5		20.0			
Bromoform	++++ 0.4559	0.3488 0.5094	0.3580 ++++	0.4087	0.4078	Ave		0.414 8			0.1000	14.6		20.0			
Isopropylbenzene	++++ 2.9286	2.0494 3.1615	2.3873 3.0466	2.5913	2.6206	Ave		2.683 6			0.1000	14.6		20.0			
Bromobenzene	0.5673 0.6909	0.5796 0.7196	0.6320 0.7166	0.7206	0.6774	Ave		0.663 0				9.4		20.0			
1,1,2,2-Tetrachloroethane	0.7087 0.9094	1.0449 0.8984	0.8444 0.8956	0.8401	0.8810	Ave		0.877 8			0.3000	10.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594935

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2021 15:06 Calibration End Date: 09/01/2021 17:46 Calibration ID: 42361

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	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	2.5706 3.4570	2.4348 3.6791	2.8075 3.5707	3.1308	3.1639	Ave		3.101 8				14.9		20.0			
1,2,3-Trichloropropane	0.3686 0.2924	0.2987 0.3015	0.3448 0.2900	0.2990	0.2869	Ave		0.310 2				9.6		20.0			
trans-1,4-Dichloro-2-butene	0.2597 0.2889	0.2596 0.2923	0.2272 0.3177	0.2570	0.2712	Ave		0.271 7				10.1		20.0			
2-Chlorotoluene	0.5460 0.7074	0.5842 0.7637	0.5901 0.7178	0.7077	0.6808	Ave		0.662 2				11.8		20.0			
1,3,5-Trimethylbenzene	++++ 2.5211	1.8002 2.7294	2.0255 2.6119	2.3142	2.3544	Ave		2.336 7				14.1		20.0			
4-Chlorotoluene	0.5315 0.7026	0.5692 0.7480	0.6511 0.7283	0.6752	0.7079	Ave		0.664 2				11.6		20.0			
tert-Butylbenzene	++++ 0.5698	0.3725 0.6102	0.4634 0.5968	0.5164	0.4946	Lin1	-0.30 0	0.597 7				8.3			0.9990		0.9900
1,2,4-Trimethylbenzene	++++ 2.6316	1.8304 2.8226	2.1130 2.6880	2.3736	2.4639	Ave		2.417 6				14.4		20.0			
sec-Butylbenzene	++++ 3.2618	2.1272 3.5667	2.6152 3.4597	3.1264	2.9857	Lin1	-1.70 0	3.474 6				6.6			0.9990		0.9900
4-Isopropyltoluene	++++ 2.9202	1.8954 3.1382	2.3557 3.0049	2.6333	2.6872	Lin1	-1.42 0	3.041 4				5.8			0.9990		0.9900
1,3-Dichlorobenzene	1.2099 1.5275	1.2596 1.5640	1.3700 1.5201	1.5077	1.4968	Ave		1.432 0			0.6000	9.4		20.0			
1,4-Dichlorobenzene	1.2491 1.5372	1.4074 1.5872	1.4828 1.5540	1.5137	1.5252	Ave		1.482 1			0.5000	7.3		20.0			
n-Butylbenzene	++++ 2.6074	1.8521 2.8917	2.0823 2.7492	2.3878	2.4628	Ave		2.433 3				15.0		20.0			
1,2-Dichlorobenzene	1.4219 1.5439	1.2884 1.6257	1.4431 1.5312	1.5203	1.5053	Ave		1.485 0			0.4000	6.8		20.0			
1,2-Dibromo-3-Chloropropane	0.1735 0.1924	0.1721 0.2140	0.1686 0.2227	0.1442	0.1745	Ave		0.182 7			0.0500	14.1		20.0			
1,2,4-Trichlorobenzene	1.1348 1.1175	1.0495 1.1605	1.0453 1.1510	1.0262	1.0602	Ave		1.093 1			0.2000	4.9		20.0			
Hexachlorobutadiene	0.3770 0.5014	0.4363 0.5201	0.3999 0.5086	0.4819	0.4425	Ave		0.458 5				11.5		20.0			
Naphthalene	3.2610 3.8230	3.0352 3.9927	3.1571 4.0297	3.2748	3.4761	Ave		3.506 2				11.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594935

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2021 15:06 Calibration End Date: 09/01/2021 17:46 Calibration ID: 42361

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
1,2,3-Trichlorobenzene	0.8288 1.1201	0.8957 1.1757	1.0699 1.1405	1.1027	1.0747	Ave		1.051 0				11.7		20.0			
Dibromofluoromethane (Surr)	1.6865 1.6542	1.6397 1.5935	1.5320 1.6256	1.6401	1.6406	Ave		1.626 5				2.8		20.0			
1,2-Dichloroethane-d4 (Surr)	0.9100 0.9348	0.9591 0.8660	0.8536 0.8494	0.8856	0.8869	Ave		0.893 2				4.4		20.0			
Toluene-d8 (Surr)	2.2918 2.2871	2.2283 2.2768	2.2704 2.3553	2.2857	2.3613	Ave		2.294 6				1.9		20.0			
4-Bromofluorobenzene (Surr)	0.7041 0.7142	0.6416 0.7530	0.7251 0.8016	0.6597	0.7598	Ave		0.719 9				7.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594935

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2021 15:06 Calibration End Date: 09/01/2021 17:46 Calibration ID: 42361

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-594935/16	C7187.D
Level 2	IC 480-594935/17	C7188.D
Level 3	IC 480-594935/18	C7189.D
Level 4	IC 480-594935/19	C7190.D
Level 5	IC 480-594935/20	C7191.D
Level 6	ICIS 480-594935/21	C7192.D
Level 7	IC 480-594935/22	C7193.D
Level 8	IC 480-594935/23	C7194.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	+++++ 296365	9474 624501	19022 1162714	56109	114799	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	5789 396392	15211 830440	31761 1600413	89993	179265	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	3237 303839	11382 624334	23077 1196720	62929	123080	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	3855 305490	10202 650683	22560 1235595	63885	121450	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3339 164533	8317 357984	14929 662458	38657	76587	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	2138 166749	6660 348164	13579 651106	35170	67866	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	6148 390028	13548 801514	30777 1616355	82056	162718	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 355512	12256 739132	22353 1453793	72748	137721	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	3747 233393	9207 468001	17608 886954	44962	88165	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	1120 70331	2300 140703	5681 283028	13858	25691	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Lin1	+++++ 232065	7377 485189	13598 912945	45178	84653	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	+++++ 213962	6446 451127	14854 862362	43795	81483	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	12414	27585	56028	128127	260508	2.00	5.00	10.0	25.0	50.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594935

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2021 15:06 Calibration End Date: 09/01/2021 17:46 Calibration ID: 42361

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
			728200	1197712	2667518			125	250	500		
Iodomethane	FB	Ave	6305 406984	13267 851121	29227 1644973	84572	160742	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Lin1	++++ 729522	21202 1575047	51376 3012693	145119	280235	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Allyl chloride	FB	Ave	7836 469266	14184 976327	30062 1893489	93376	180358	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	11220 602792	25088 1141293	51747 2287457	119664	236588	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	10973 266697	17790 524090	26348 1010877	58090	107894	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	5373 356575	11253 579633	27656 ++++	55309	109657	4.00 250	10.0 500	20.0 ++++	50.0	100
Methyl tert-butyl ether	FB	Ave	9235 667847	22338 1411145	51798 2871147	130030	264206	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3167 254386	7688 521134	16857 996946	50714	97023	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	28812 1786796	66918 3219459	146033 6593303	352387	694729	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Lin1	++++ 379773	11961 779097	20399 1432408	68236	133044	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	5937 461706	14617 917762	31834 1741393	91799	178421	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	13432 1018354	34965 2054565	69850 4101990	171964	375007	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Lin1	++++ 149182	4248 351217	9755 ++++	25646	60313	++++ 25.0	1.00 50.0	2.00 ++++	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4076 271339	8878 542250	18685 1009325	56151	108124	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	13511 1012083	33735 1717265	76432 3544279	165883	361186	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2382 154330	5113 297032	10459 576678	30177	58923	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	5588 275911	11945 500091	24796 980407	52919	108412	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	8181	15985	31270	83857	165166	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 TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594935

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2021 15:06 Calibration End Date: 09/01/2021 17:46 Calibration ID: 42361

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
			430503	839945	1603349			25.0	50.0	100		
1,1,1-Trichloroethane	FB	Lin1	++++ 322770	9447 692350	21803 1358182	60993	117301	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Lin1	++++ 512904	13437 1078061	29972 2042503	100882	188575	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Lin1	++++ 267843	7858 621053	18979 ++++	52068	103281	++++ 25.0	1.00 50.0	2.00 ++++	5.00	10.0
1,1-Dichloropropene	FB	Ave	4560 299073	8719 589674	19603 1098824	56153	107316	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	10943 830771	30111 1611879	57485 3125159	165187	328566	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Lin1	++++ 381600	10149 647137	23799 ++++	53725	112049	++++ 625	25.0 1250	50.0 ++++	125	250
1,2-Dichloroethane	FB	Ave	5260 340000	14356 652122	27874 1233214	66247	134389	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	6296 437891	15474 883004	27886 1563452	81605	167228	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	2901 228851	7622 456546	15161 860742	43553	85316	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Lin1	++++ 398349	11070 857387	21201 1626075	71783	146878	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	2498 227626	7848 441354	18122 831740	41724	88014	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	2508 154622	5437 294242	11709 556720	31642	61229	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Lin1	351 55551	1370 89356	4244 184713	8389	20801	8.00 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	4237 278008	9050 548704	18689 1074426	53492	108251	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	1646 139010	4388 253550	10292 479444	24996	55671	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	++++ 273132	8106 528841	17282 1097075	46325	96462	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	26674	60897	144918	354944	751549	2.00	5.00	10.0	25.0	50.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594935

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2021 15:06 Calibration End Date: 09/01/2021 17:46 Calibration ID: 42361

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
			2000821	3752156	7790311			125	250	500		
Toluene	CBNZ d5	Ave	7255	17546	34245	103804	202574	0.400	1.00	2.00	5.00	10.0
			514996	992924	1923214			25.0	50.0	100		
trans-1,3-Dichloropropene	CBNZ d5	Lin1	++++	5911	12258	32976	72222	++++	1.00	2.00	5.00	10.0
			211958	414623	++++			25.0	50.0	++++		
Ethyl methacrylate	CBNZ d5	Ave	2535	7235	13635	36701	79975	0.400	1.00	2.00	5.00	10.0
			225994	447863	++++			25.0	50.0	++++		
1,1,2-Trichloroethane	CBNZ d5	Ave	1976	5961	12248	30234	66740	0.400	1.00	2.00	5.00	10.0
			154777	303958	573014			25.0	50.0	100		
Tetrachloroethene	CBNZ d5	Lin1	1960	6950	14696	43833	81181	0.400	1.00	2.00	5.00	10.0
			221211	428513	830041			25.0	50.0	100		
1,3-Dichloropropane	CBNZ d5	Ave	3824	11144	22262	57960	119897	0.400	1.00	2.00	5.00	10.0
			301370	562627	1079173			25.0	50.0	100		
2-Hexanone	CBNZ d5	Ave	14527	33235	88364	209471	468247	2.00	5.00	10.0	25.0	50.0
			1229421	2241823	4599709			125	250	500		
Dibromochloromethane	CBNZ d5	Ave	2951	6709	15333	38819	82760	0.400	1.00	2.00	5.00	10.0
			215162	416831	844997			25.0	50.0	100		
1,2-Dibromoethane	CBNZ d5	Ave	2183	6328	15600	35442	74251	0.400	1.00	2.00	5.00	10.0
			193554	365130	744017			25.0	50.0	100		
Chlorobenzene	CBNZ d5	Ave	7346	20001	45475	121503	237617	0.400	1.00	2.00	5.00	10.0
			596177	1176386	2282886			25.0	50.0	100		
Ethylbenzene	CBNZ d5	Ave	12454	28739	65840	187985	387422	0.400	1.00	2.00	5.00	10.0
			999738	1997851	3939570			25.0	50.0	100		
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	++++	6770	15013	39731	81371	++++	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 TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594935

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2021 15:06 Calibration End Date: 09/01/2021 17:46 Calibration ID: 42361

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
			213342	459030	+++++			25.0	50.0	+++++		
m,p-Xylene	CBNZ d5	Ave	4594	10792	27251	72246	153327	0.400	1.00	2.00	5.00	10.0
			390591	793263	1538984			25.0	50.0	100		
o-Xylene	CBNZ d5	Ave	4816	13015	24760	79631	155167	0.400	1.00	2.00	5.00	10.0
			404834	826465	1656265			25.0	50.0	100		
Styrene	CBNZ d5	Ave	7996	18719	43190	121413	246825	0.400	1.00	2.00	5.00	10.0
			659836	1304332	2647905			25.0	50.0	100		
Bromoform	CBNZ d5	Ave	+++++	4310	8854	24218	50739	+++++	1.00	2.00	5.00	10.0
			140034	294864	+++++			25.0	50.0	+++++		
Isopropylbenzene	DCBd 4	Ave	+++++	28871	71311	197151	404244	+++++	1.00	2.00	5.00	10.0
			1091785	2268855	4490125			25.0	50.0	100		
Bromobenzene	DCBd 4	Ave	3316	8165	18878	54825	104485	0.400	1.00	2.00	5.00	10.0
			257574	516445	1056141			25.0	50.0	100		
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	4143	14720	25223	63916	135894	0.400	1.00	2.00	5.00	10.0
			339013	644731	1319974			25.0	50.0	100		
N-Propylbenzene	DCBd 4	Ave	15027	34301	83865	238193	488051	0.400	1.00	2.00	5.00	10.0
			1288795	2640329	5262494			25.0	50.0	100		
1,2,3-Trichloropropane	DCBd 4	Ave	2155	4208	10299	22750	44254	0.400	1.00	2.00	5.00	10.0
			109005	216347	427401			25.0	50.0	100		
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	1518	3657	6788	19556	41841	0.400	1.00	2.00	5.00	10.0
			107713	209741	468269			25.0	50.0	100		
2-Chlorotoluene	DCBd 4	Ave	3192	8230	17627	53839	105020	0.400	1.00	2.00	5.00	10.0
			263713	548083	1057954			25.0	50.0	100		
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++	25360	60506	176069	363181	+++++	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 TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594935

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2021 15:06 Calibration End Date: 09/01/2021 17:46 Calibration ID: 42361

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
			939871	1958726	3849473			25.0	50.0	100		
4-Chlorotoluene	DCBd 4	Ave	3107	8019	19450	51371	109202	0.400	1.00	2.00	5.00	10.0
			261938	536787	1073307			25.0	50.0	100		
tert-Butylbenzene	DCBd 4	Lin1	++++	5247	13843	39288	76289	++++	1.00	2.00	5.00	10.0
			212437	437884	879506			25.0	50.0	100		
1,2,4-Trimethylbenzene	DCBd 4	Ave	++++	25786	63120	180583	380064	++++	1.00	2.00	5.00	10.0
			981090	2025678	3961557			25.0	50.0	100		
sec-Butylbenzene	DCBd 4	Lin1	++++	29967	78119	237860	460565	++++	1.00	2.00	5.00	10.0
			1216022	2559640	5098884			25.0	50.0	100		
4-Isopropyltoluene	DCBd 4	Lin1	++++	26701	70368	200344	414511	++++	1.00	2.00	5.00	10.0
			1088672	2252146	4428556			25.0	50.0	100		
1,3-Dichlorobenzene	DCBd 4	Ave	7073	17745	40925	114707	230884	0.400	1.00	2.00	5.00	10.0
			569475	1122397	2240269			25.0	50.0	100		
1,4-Dichlorobenzene	DCBd 4	Ave	7302	19827	44294	115163	235268	0.400	1.00	2.00	5.00	10.0
			573085	1139088	2290327			25.0	50.0	100		
n-Butylbenzene	DCBd 4	Ave	++++	26091	62202	181668	379896	++++	1.00	2.00	5.00	10.0
			972043	2075212	4051787			25.0	50.0	100		
1,2-Dichlorobenzene	DCBd 4	Ave	8312	18151	43108	115662	232195	0.400	1.00	2.00	5.00	10.0
			575582	1166690	2256700			25.0	50.0	100		
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1014	2424	5036	10969	26916	0.400	1.00	2.00	5.00	10.0
			71737	153560	328153			25.0	50.0	100		
1,2,4-Trichlorobenzene	DCBd 4	Ave	6634	14785	31224	78076	163534	0.400	1.00	2.00	5.00	10.0
			416611	832863	1696336			25.0	50.0	100		
Hexachlorobutadiene	DCBd 4	Ave	2204	6146	11946	36660	68261	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 TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594935

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2021 15:06 Calibration End Date: 09/01/2021 17:46 Calibration ID: 42361

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
			186914	373267	749520			25.0	50.0	100		
Naphthalene	DCBd 4	Ave	19063	42759	94309	249150	536212	0.400	1.00	2.00	5.00	10.0
			1425230	2865403	5939033			25.0	50.0	100		
1,2,3-Trichlorobenzene	DCBd 4	Ave	4845	12618	31959	83894	165778	0.400	1.00	2.00	5.00	10.0
			417575	843775	1680897			25.0	50.0	100		
Dibromofluoromethane (Surr)	FB	Ave	246621	243613	240695	238424	244358	25.0	25.0	25.0	25.0	25.0
			241628	224984	219510			25.0	25.0	25.0		
1,2-Dichloroethane-d4 (Surr)	FB	Ave	133080	142490	134112	128744	132093	25.0	25.0	25.0	25.0	25.0
			136546	122275	114699			25.0	25.0	25.0		
Toluene-d8 (Surr)	CBNZ d5	Ave	654040	688407	701812	677152	734547	25.0	25.0	25.0	25.0	25.0
			702561	658912	660463			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	200929	198219	224123	195425	236353	25.0	25.0	25.0	25.0	25.0
			219388	217908	224780			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 TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594935

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2021 15:06 Calibration End Date: 09/01/2021 17:46 Calibration ID: 42361

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-594935/16	C7187.D
Level 2	IC 480-594935/17	C7188.D
Level 3	IC 480-594935/18	C7189.D
Level 4	IC 480-594935/19	C7190.D
Level 5	IC 480-594935/20	C7191.D
Level 6	ICIS 480-594935/21	C7192.D
Level 7	IC 480-594935/22	C7193.D
Level 8	IC 480-594935/23	C7194.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
Dichlorodifluoromethane	+++++	-16.5						30				
Chloromethane	-11.2						30					
Vinyl chloride	-30.3 *						30					
Butadiene	-18.0						30					
Bromomethane	11.4						30					
Chloroethane	-19.2						30					
Dichlorofluoromethane	-1.8						30					
Trichlorofluoromethane	+++++	-12.0						30				
Ethyl ether	2.7						30					
Acrolein	2.7						30					
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++	21.7						30				
1,1-Dichloroethene	+++++	-22.5						30				
Acetone	13.6						30					
Iodomethane	-0.7						30					
Carbon disulfide	+++++	14.2						30				

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594935

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/01/2021 15:06 Calibration End Date: 09/01/2021 17:46 Calibration ID: 42361

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	9.2						30					
Methyl acetate	14.1						30					
Methylene Chloride	16.2						30					
2-Methyl-2-propanol	9.9	++++					30					
Methyl tert-butyl ether	-11.4						30					
trans-1,2-Dichloroethene	-15.4						30					
Acrylonitrile	3.9						30					
Hexane	++++	25.5						30				
1,1-Dichloroethane	-12.9						30					
Vinyl acetate	-10.4						30					
2,2-Dichloropropane	++++	24.3 ++++						30				
cis-1,2-Dichloroethene	-1.3						30					
2-Butanone (MEK)	-5.5						30					
Chlorobromomethane	2.9						30					
Tetrahydrofuran	23.4						30					
Chloroform	20.5						30					
1,1,1-Trichloroethane	++++	22.1						30				
Cyclohexane	++++	16.8						30				
Carbon tetrachloride	++++	17.3 ++++						30				
1,1-Dichloropropene	4.8						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
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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
Benzene	-12.4						30					
Isobutyl alcohol	+++++	16.4 +++++						30				
1,2-Dichloroethane	-1.9						30					
n-Heptane	-2.8						30					
Trichloroethene	-13.3						30					
Methylcyclohexane	+++++	28.0						30				
1,2-Dichloropropane	-25.1						30					
Dibromomethane	5.0						30					
1,4-Dioxane	-1.4						30					
Bromodichloromethane	1.2						30					
2-Chloroethyl vinyl ether	-17.1						30					
cis-1,3-Dichloropropene	+++++	-18.6						30				
4-Methyl-2-pentanone (MIBK)	-3.8						30					
Toluene	-1.3						30					
trans-1,3-Dichloropropene	+++++	21.6 +++++						30				
Ethyl methacrylate	-12.9	+++++					30					
1,1,2-Trichloroethane	-13.4						30					
Tetrachloroethene	13.8						30					
1,3-Dichloropropane	-10.6						30					
2-Hexanone	-11.4						30					

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
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	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
Dibromochloromethane	-2.5						30					
1,2-Dibromoethane	-19.3						30					
Chlorobenzene	-14.4						30					
Ethylbenzene	-9.9						30					
1,1,1,2-Tetrachloroethane	++++	-17.1 ++++						30				
m,p-Xylene	-14.8						30					
o-Xylene	-15.0						30					
Styrene	-11.4						30					
Bromoform	++++	-15.9 ++++						30				
Isopropylbenzene	++++	-23.6						30				
Bromobenzene	-14.4						30					
1,1,2,2-Tetrachloroethane	-19.3						30					
N-Propylbenzene	-17.1						30					
1,2,3-Trichloropropane	18.8						30					
trans-1,4-Dichloro-2-butene	-4.4						30					
2-Chlorotoluene	-17.5						30					
1,3,5-Trimethylbenzene	++++	-23.0						30				
4-Chlorotoluene	-20.0						30					
tert-Butylbenzene	++++	12.4						30				
1,2,4-Trimethylbenzene	++++	-24.3						30				
sec-Butylbenzene	++++	10.2						30				

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GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
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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
4-Isopropyltoluene	+++++	9.0						30				
1,3-Dichlorobenzene	-15.5						30					
1,4-Dichlorobenzene	-15.7						30					
n-Butylbenzene	+++++	-23.9						30				
1,2-Dichlorobenzene	-4.2						30					
1,2-Dibromo-3-Chloropropane	-5.1						30					
1,2,4-Trichlorobenzene	3.8						30					
Hexachlorobutadiene	-17.8						30					
Naphthalene	-7.0						30					
1,2,3-Trichlorobenzene	-21.1						30					
Dibromofluoromethane (Surr)	3.7						30					
1,2-Dichloroethane-d4 (Surr)	1.9						30					
Toluene-d8 (Surr)	-0.1						30					
4-Bromofluorobenzene (Surr)	-2.2						30					

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D
 Lims ID: IC 0.4
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 01-Sep-2021 15:06:30 ALS Bottle#: 11 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.4
 Misc. Info.: 480-0100746-016
 Operator ID: LH Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Sep-2021 10:54:11 Calib Date: 01-Sep-2021 21:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7205.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: HillL

Date: 01-Sep-2021 18:37:39

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	4.800	4.800	0.000	99	146235	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	87	285377	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.977	8.977	0.000	95	365358	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.324	4.324	0.000	93	246621	25.0	25.9	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.583	0.000	96	133080	25.0	25.5	
\$ 5 Toluene-d8 (Surr)	98	5.982	5.982	0.000	93	654040	25.0	25.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.044	8.044	0.000	89	200929	25.0	24.5	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	29	2666	0.4000	0.2388	
12 Chloromethane	50	1.225	1.225	0.000	57	5789	0.4000	0.3553	
13 Vinyl chloride	62	1.318	1.318	0.000	48	3237	0.4000	0.2789	
151 Butadiene	54	1.329	1.329	0.000	83	3855	0.4000	0.3279	Ma
14 Bromomethane	94	1.598	1.598	0.000	92	3339	0.4000	0.4455	
15 Chloroethane	64	1.681	1.681	0.000	22	2138	0.4000	0.3233	Ma
16 Dichlorofluoromethane	67	1.899	1.888	0.011	92	6148	0.4000	0.3927	
17 Trichlorofluoromethane	101	1.878	1.899	-0.021	63	3706	0.4000	0.2705	M
18 Ethyl ether	59	2.178	2.179	-0.001	85	3747	0.4000	0.4108	
20 Acrolein	56	2.344	2.355	-0.011	0	1120	2.00	2.05	M
21 112TCTFE	101	2.365	2.375	-0.010	65	2130	0.4000	0.6969	M
22 1,1-Dichloroethene	96	2.386	2.386	0.000	94	2126	0.4000	0.2596	
23 Acetone	43	2.500	2.510	-0.010	0	12414	2.00	2.27	M
25 Iodomethane	142	2.541	2.541	0.000	84	6305	0.4000	0.3973	
26 Carbon disulfide	76	2.572	2.572	0.000	0	8461	0.4000	0.7572	M
28 3-Chloro-1-propene	41	2.738	2.738	0.000	0	7836	0.4000	0.4367	M
27 Methyl acetate	43	2.780	2.780	0.000	96	11220	0.8000	0.9127	
30 Methylene Chloride	84	2.873	2.873	0.000	0	10973	0.4000	0.4647	M
31 2-Methyl-2-propanol	59	3.049	3.039	0.010	0	5373	4.00	4.40	M
32 Methyl tert-butyl ether	73	3.080	3.070	0.010	90	9235	0.4000	0.3546	
34 trans-1,2-Dichloroethene	96	3.080	3.080	0.000	89	3167	0.4000	0.3386	
33 Acrylonitrile	53	3.142	3.132	0.010	0	28812	4.00	4.16	M
35 Hexane	57	3.256	3.256	0.000	84	3907	0.4000	0.7528	

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	3.453	3.453	0.000	0	5937	0.4000	0.3482	M
37 Vinyl acetate	43	3.505	3.505	0.000	95	13432	0.8000	0.7171	
44 2,2-Dichloropropane	77	3.899	3.899	0.000	8	1928	0.4000	0.9146	
45 cis-1,2-Dichloroethene	96	3.930	3.930	0.000	36	4076	0.4000	0.3949	
43 2-Butanone (MEK)	43	3.971	3.961	0.010	99	13511	2.00	1.89	M
48 Chlorobromomethane	128	4.137	4.137	0.000	93	2382	0.4000	0.4117	
49 Tetrahydrofuran	42	4.147	4.147	0.000	86	5588	0.8000	0.9870	
50 Chloroform	83	4.199	4.199	0.000	94	8181	0.4000	0.4818	
52 Cyclohexane	56	4.303	4.293	0.010	90	5934	0.4000	0.8373	
51 1,1,1-Trichloroethane	97	4.293	4.293	0.000	65	3145	0.4000	0.7929	
55 Carbon tetrachloride	117	4.407	4.407	0.000	85	3194	0.4000	0.7988	
54 1,1-Dichloropropene	75	4.417	4.417	0.000	90	4560	0.4000	0.4192	
57 Benzene	78	4.583	4.583	0.000	41	10943	0.4000	0.3505	
53 Isobutyl alcohol	43	4.603	4.593	0.010	29	4147	10.0	18.5	M
58 1,2-Dichloroethane	62	4.635	4.635	0.000	0	5260	0.4000	0.3923	M
59 n-Heptane	43	4.717	4.717	0.000	90	6296	0.4000	0.3888	
62 Trichloroethene	95	5.080	5.070	0.010	81	2901	0.4000	0.3469	
64 Methylcyclohexane	83	5.163	5.163	0.000	87	5148	0.4000	0.9509	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	0	2498	0.4000	0.2996	M
67 Dibromomethane	93	5.370	5.370	0.000	87	2508	0.4000	0.4201	
66 1,4-Dioxane	88	5.381	5.381	0.000	0	351	8.00	7.88	M
68 Dichlorobromomethane	83	5.484	5.484	0.000	94	4237	0.4000	0.4049	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	12	1646	0.4000	0.3314	
72 cis-1,3-Dichloropropene	75	5.816	5.806	0.010	83	2292	0.4000	0.2339	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	97	26674	2.00	1.92	
74 Toluene	92	6.034	6.034	0.000	97	7255	0.4000	0.3948	
77 trans-1,3-Dichloropropene	75	6.241	6.241	0.000	49	2168	0.4000	0.8062	
75 Ethyl methacrylate	69	6.272	6.262	0.010	89	2535	0.4000	0.3483	
79 1,1,2-Trichloroethane	83	6.386	6.386	0.000	83	1976	0.4000	0.3465	
81 Tetrachloroethene	166	6.438	6.438	0.000	79	1960	0.4000	0.4551	
82 1,3-Dichloropropane	76	6.510	6.510	0.000	94	3824	0.4000	0.3575	
80 2-Hexanone	43	6.552	6.552	0.000	95	14527	2.00	1.77	
83 Chlorodibromomethane	129	6.697	6.697	0.000	13	2951	0.4000	0.3900	
84 Ethylene Dibromide	107	6.780	6.780	0.000	86	2183	0.4000	0.3228	
87 Chlorobenzene	112	7.132	7.132	0.000	47	7346	0.4000	0.3424	
88 Ethylbenzene	91	7.194	7.194	0.000	96	12454	0.4000	0.3604	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	40	2315	0.4000	0.3067	
90 m-Xylene & p-Xylene	106	7.277	7.277	0.000	0	4594	0.4000	0.3408	M
91 o-Xylene	106	7.609	7.598	0.011	92	4816	0.4000	0.3402	
92 Styrene	104	7.619	7.619	0.000	81	7996	0.4000	0.3545	
95 Bromoform	173	7.826	7.816	0.010	2	1357	0.4000	0.2866	
94 Isopropylbenzene	105	7.889	7.889	-0.001	95	11479	0.4000	0.2927	
101 Bromobenzene	156	8.168	8.168	0.000	42	3316	0.4000	0.3422	
97 1,1,2,2-Tetrachloroethane	83	8.189	8.189	0.000	30	4143	0.4000	0.3230	
99 N-Propylbenzene	91	8.220	8.220	0.000	0	15027	0.4000	0.3315	M
100 1,2,3-Trichloropropane	110	8.220	8.220	0.000	60	2155	0.4000	0.4753	
98 trans-1,4-Dichloro-2-butene	53	8.230	8.231	-0.001	46	1518	0.4000	0.3823	
103 2-Chlorotoluene	126	8.303	8.303	0.000	96	3192	0.4000	0.3298	
102 1,3,5-Trimethylbenzene	105	8.355	8.355	0.000	96	9406	0.4000	0.2754	
105 4-Chlorotoluene	126	8.396	8.396	0.000	95	3107	0.4000	0.3201	
106 tert-Butylbenzene	134	8.614	8.614	0.000	92	1830	0.4000	0.7108	
107 1,2,4-Trimethylbenzene	105	8.666	8.666	0.000	94	11404	0.4000	0.3228	

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	8.790	8.800	-0.010	94	13238	0.4000	0.7500	
110 4-Isopropyltoluene	119	8.914	8.914	0.000	96	11533	0.4000	0.7263	
111 1,3-Dichlorobenzene	146	8.914	8.925	-0.011	86	7073	0.4000	0.3380	
113 1,4-Dichlorobenzene	146	8.997	8.997	0.000	85	7302	0.4000	0.3371	
115 n-Butylbenzene	91	9.246	9.246	0.000	94	9995	0.4000	0.2811	
116 1,2-Dichlorobenzene	146	9.308	9.308	0.000	95	8312	0.4000	0.3830	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	0	1014	0.4000	0.3797	M
119 1,2,4-Trichlorobenzene	180	10.624	10.624	0.000	90	6634	0.4000	0.4153	
120 Hexachlorobutadiene	225	10.728	10.728	0.000	82	2204	0.4000	0.3290	
121 Naphthalene	128	10.842	10.842	0.000	96	19063	0.4000	0.3720	
122 1,2,3-Trichlorobenzene	180	11.029	11.029	0.000	91	4845	0.4000	0.3154	
S 123 Total BTEX	1				0			1.79	
S 126 1,3-Dichloropropene, Total	1				0			1.04	
S 124 Xylenes, Total	1				0			0.6810	
S 125 1,2-Dichloroethene, Total	1				0			0.7335	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00212

Amount Added: 0.40

Units: uL

GAS CORP mix_00470

Amount Added: 0.40

Units: uL

C_8260_IS_00157

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_Surr_00174

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D

Injection Date: 01-Sep-2021 15:06:30

Instrument ID: HP5973C

Operator ID: LH

Lims ID: IC 0.4

Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL

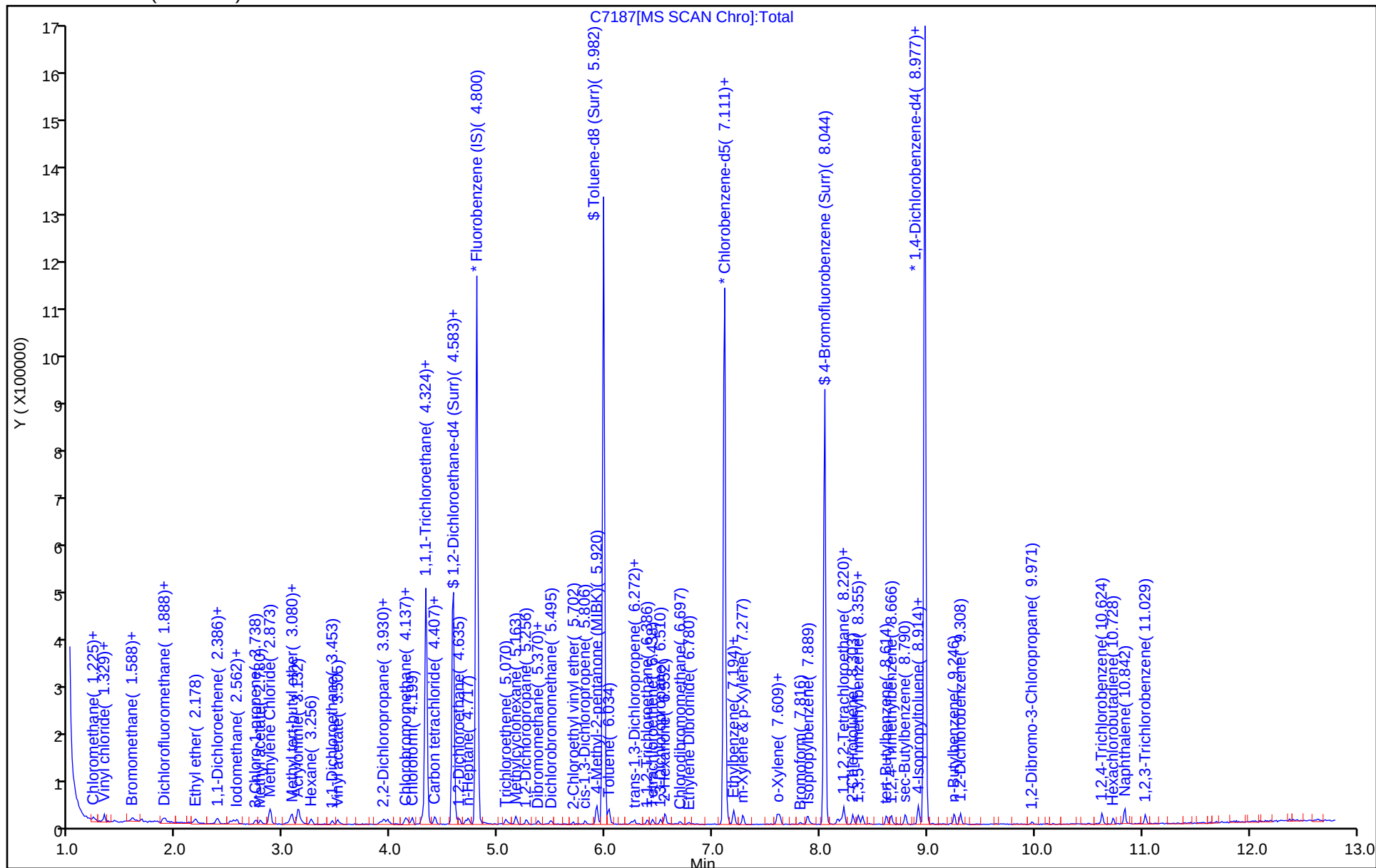
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

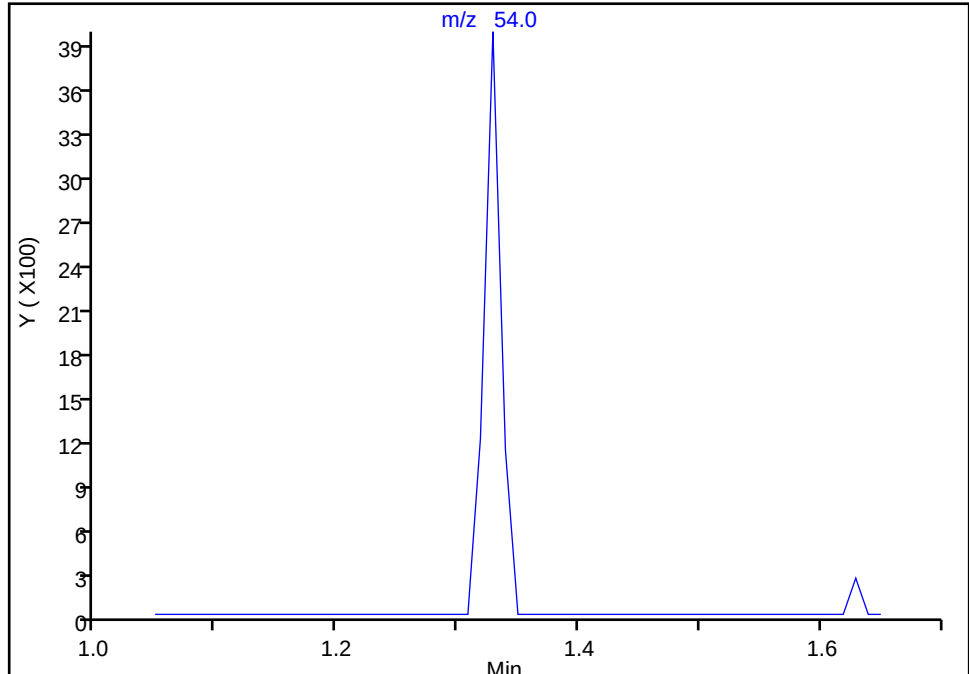
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Injection Date: 01-Sep-2021 15:06:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

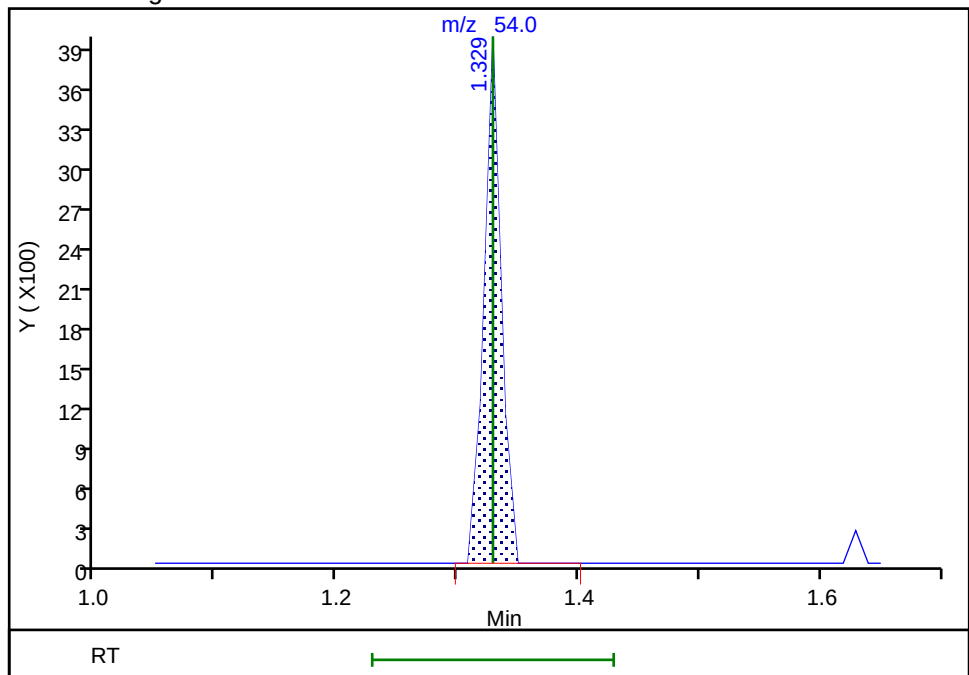
Not Detected
Expected RT: 1.33

Processing Integration Results



RT: 1.33
Area: 3855
Amount: 0.327918
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 01-Sep-2021 18:36:11
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

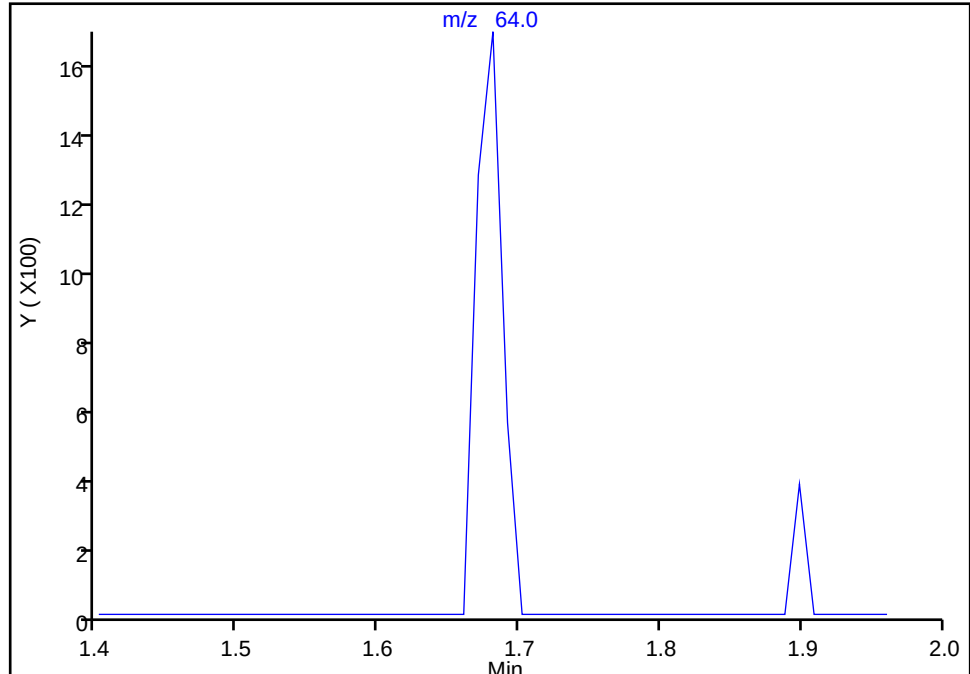
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D
Injection Date: 01-Sep-2021 15:06:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

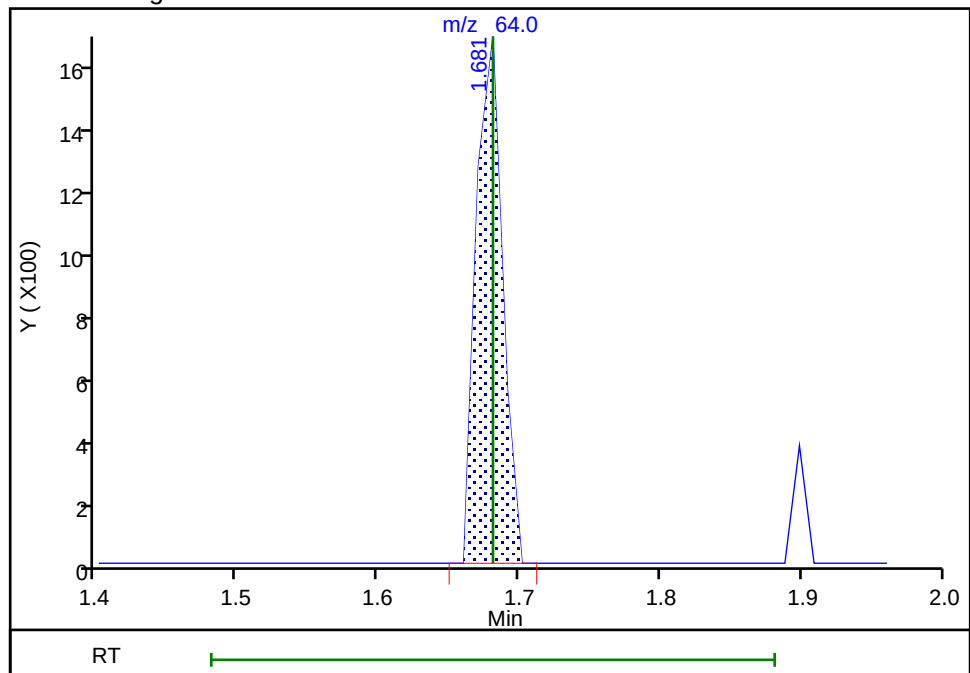
Not Detected
Expected RT: 1.68

Processing Integration Results



RT: 1.68
Area: 2138
Amount: 0.323331
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 01-Sep-2021 18:36:26
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D

Injection Date: 01-Sep-2021 15:06:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: LH

ALS Bottle#:

11

Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

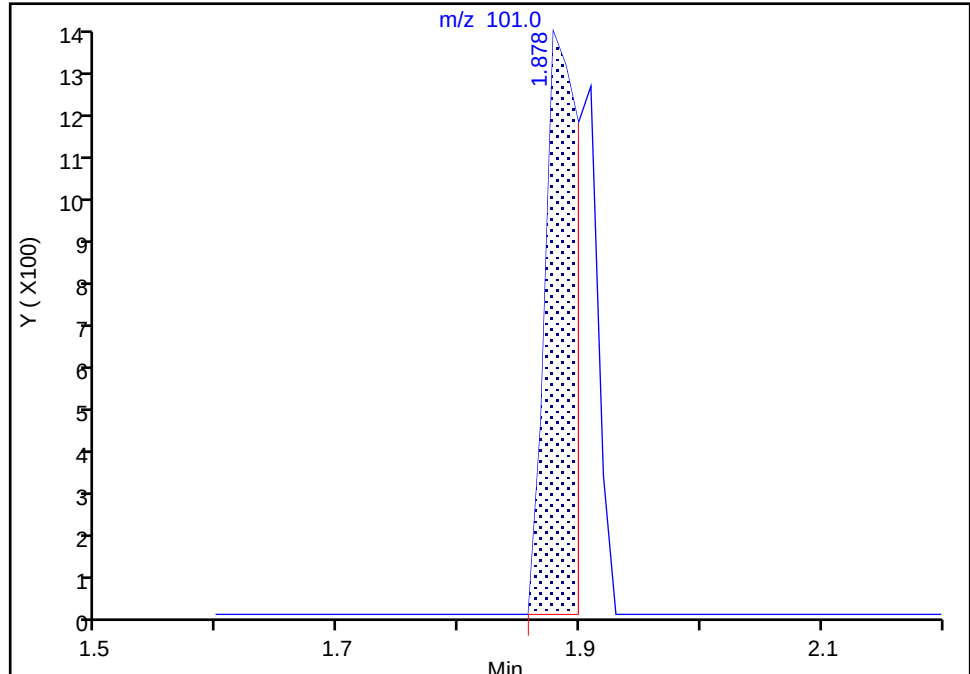
MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

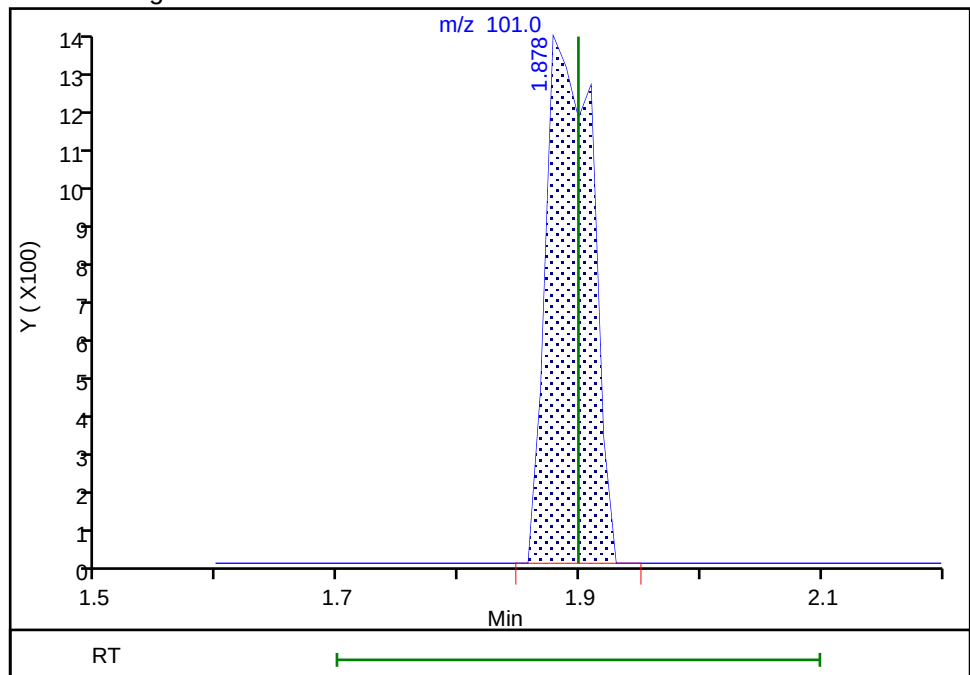
RT: 1.88
Area: 2710
Amount: 0.480261
Amount Units: ug/L

Processing Integration Results



RT: 1.88
Area: 3706
Amount: 0.270469
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 01-Sep-2021 18:36:36

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

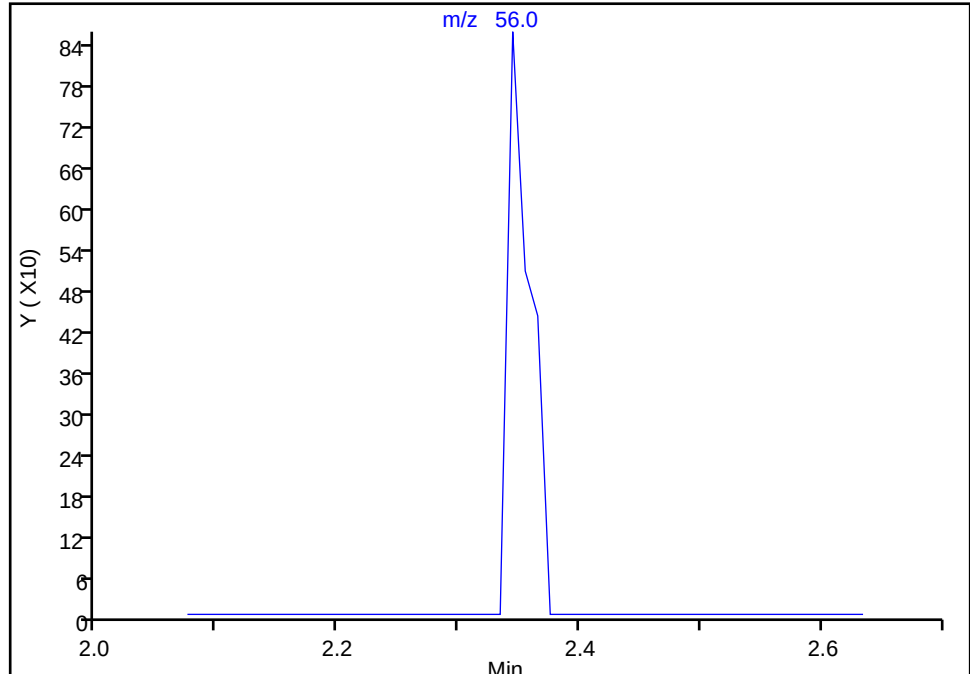
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D
Injection Date: 01-Sep-2021 15:06:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

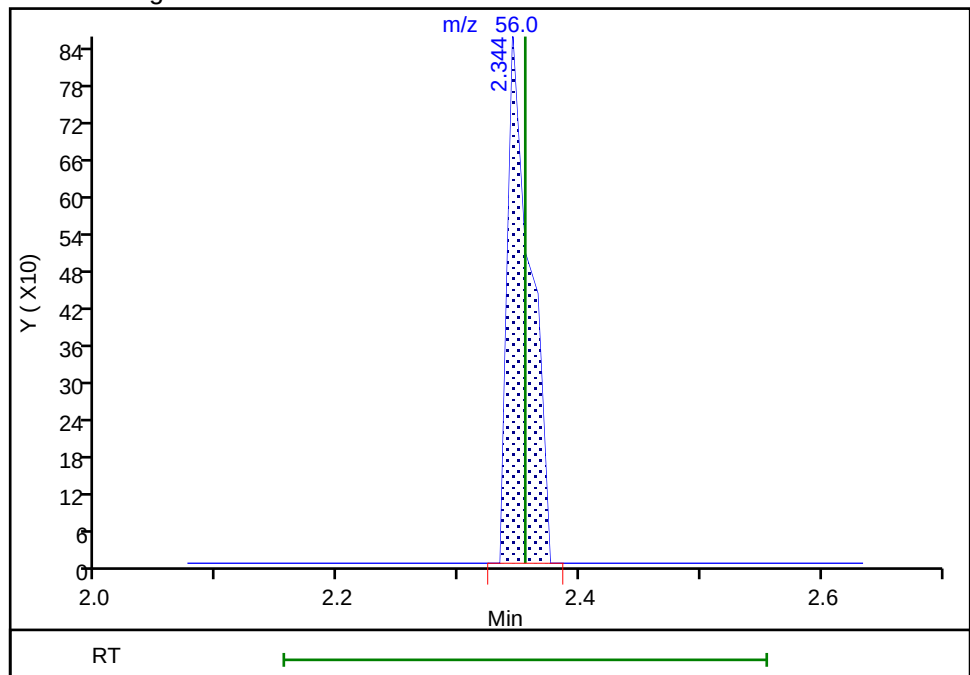
Not Detected
Expected RT: 2.35

Processing Integration Results



RT: 2.34
Area: 1120
Amount: 2.053713
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 01-Sep-2021 18:36:43
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D

Injection Date: 01-Sep-2021 15:06:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: LH

ALS Bottle#:

11

Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

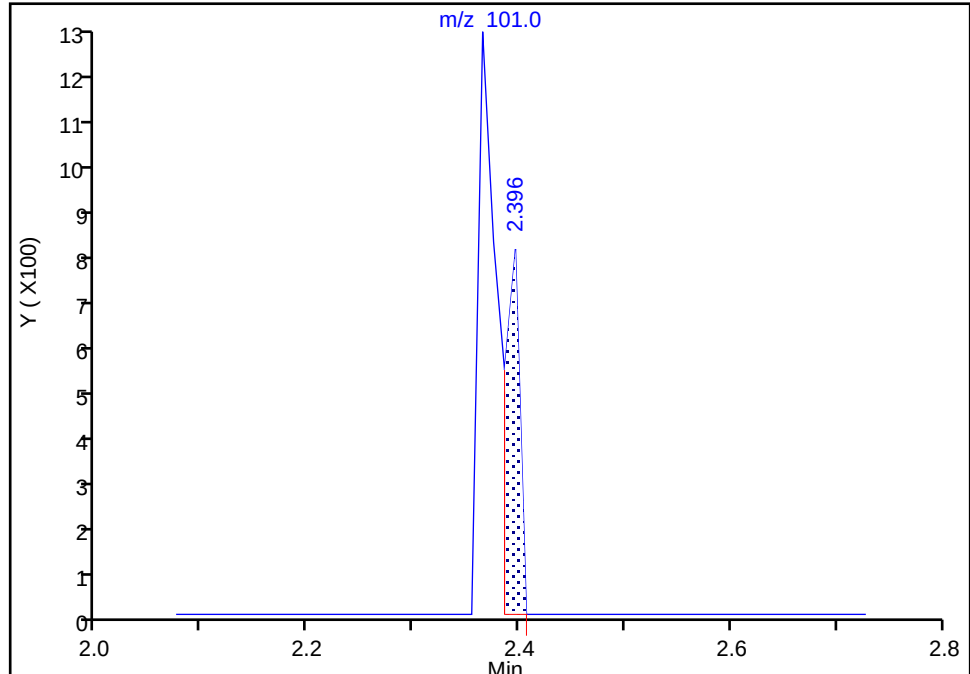
Detector: MS SCAN

21 112TCTFE, CAS: 76-13-1

Signal: 1

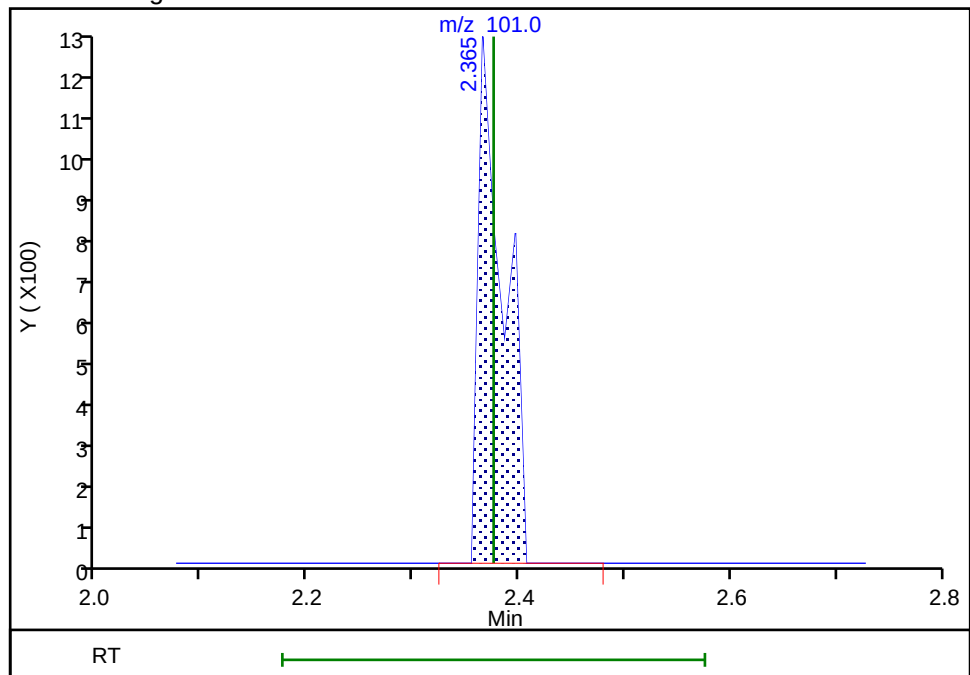
RT: 2.40
Area: 830
Amount: 0.466205
Amount Units: ug/L

Processing Integration Results



RT: 2.37
Area: 2130
Amount: 0.696945
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 01-Sep-2021 18:36:52

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

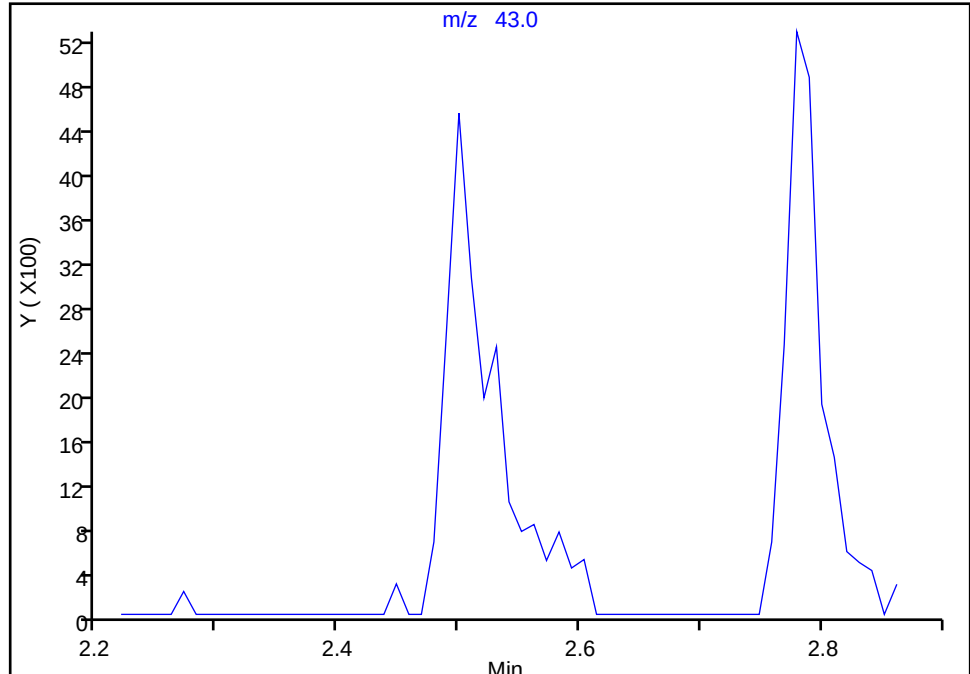
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D
Injection Date: 01-Sep-2021 15:06:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

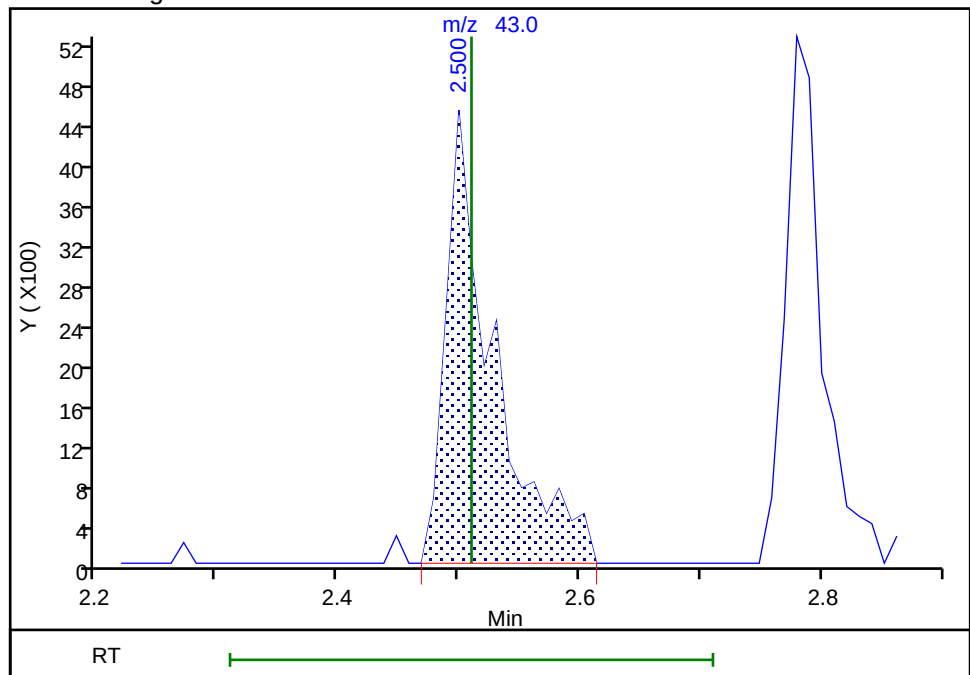
Signal: 1

Not Detected
Expected RT: 2.51

Processing Integration Results



Manual Integration Results



Reviewer: HillL, 01-Sep-2021 18:37:01
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D

Injection Date: 01-Sep-2021 15:06:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: LH

ALS Bottle#:

11

Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

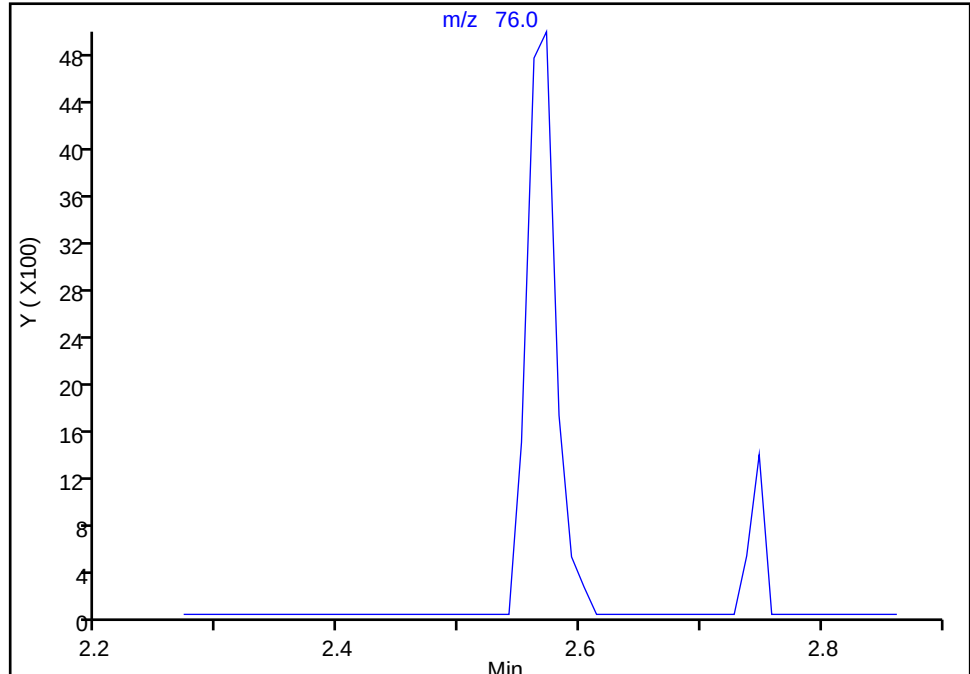
26 Carbon disulfide, CAS: 75-15-0

Signal: 1

Not Detected

Expected RT: 2.57

Processing Integration Results



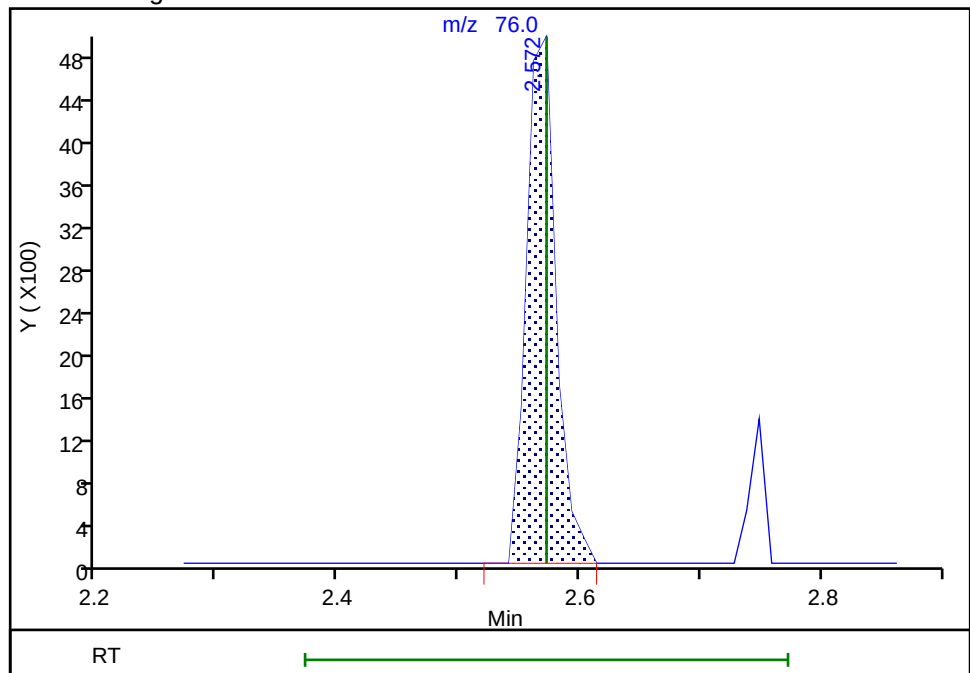
RT: 2.57

Area: 8461

Amount: 0.757195

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 01-Sep-2021 18:37:16

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D		
Injection Date:	01-Sep-2021 15:06:30	Instrument ID:	HP5973C
Lims ID:	IC 0.4		
Client ID:			
Operator ID:	LH	ALS Bottle#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	C-8260	Limit Group:	MV - 8260C
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

ALS Bottle#:	11	Worklist Smp#:	16
Dil. Factor:	1.0000		
Limit Group:	MV - 8260C ICAL		
Detector	MS SCAN		

Signal: 1

Not Detected
Expected RT: 2.74

A chromatogram plot showing the detector response (Y-axis, labeled 'Y (X100)') versus time (X-axis, labeled 'Min'). The Y-axis ranges from 0 to 39 with major ticks every 3 units. The X-axis ranges from 2.4 to 3.1 with major ticks every 0.2 units. The plot shows a baseline with several peaks. The most prominent peak is at 41.0 minutes, reaching a height of approximately 39. Other significant peaks are observed at approximately 2.62 minutes (height ~3), 2.72 minutes (height ~3), 2.78 minutes (height ~5.5), 2.88 minutes (height ~6), 2.92 minutes (height ~7.5), 3.02 minutes (height ~4), and 3.08 minutes (height ~12). A label 'm/z 41.0' is placed above the peak at 41.0 minutes.

Time (Min)	Y (X100)
2.40	0.5
2.50	0.5
2.60	0.5
2.62	3.0
2.65	0.5
2.70	0.5
2.72	3.0
2.75	0.5
2.80	5.5
2.85	0.5
2.88	6.0
2.90	4.5
2.92	7.5
2.95	2.5
2.98	3.0
3.00	0.5
3.05	0.5
3.08	4.0
3.10	3.0
3.12	12.0
3.15	11.0
3.18	24.0

RT: 2.74
Area: 7836
Amount: 0.436678
Amount Units: ug/L

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D

Injection Date: 01-Sep-2021 15:06:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: LH

ALS Bottle#:

11

Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

MS SCAN

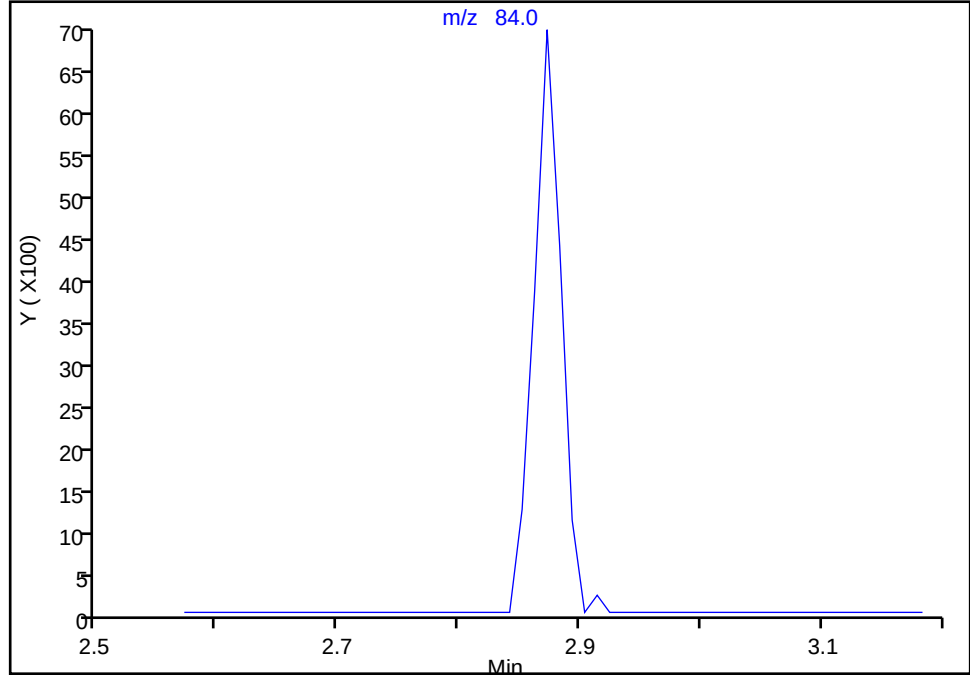
30 Methylene Chloride, CAS: 75-09-2

Signal: 1

Not Detected

Expected RT: 2.87

Processing Integration Results



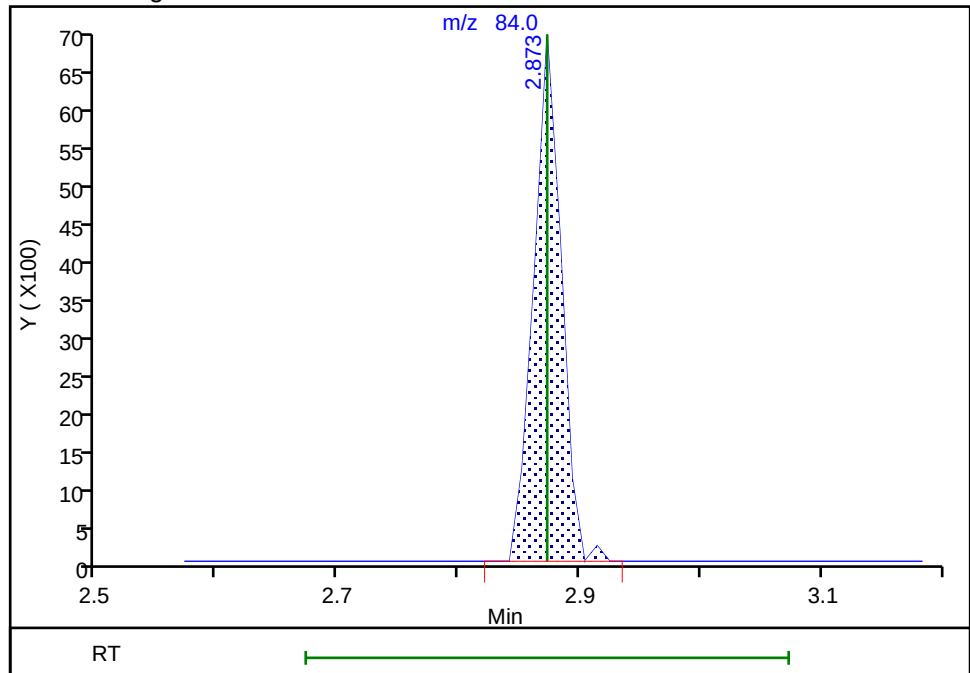
RT: 2.87

Area: 10973

Amount: 0.464654

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Sep-2021 09:55:41

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

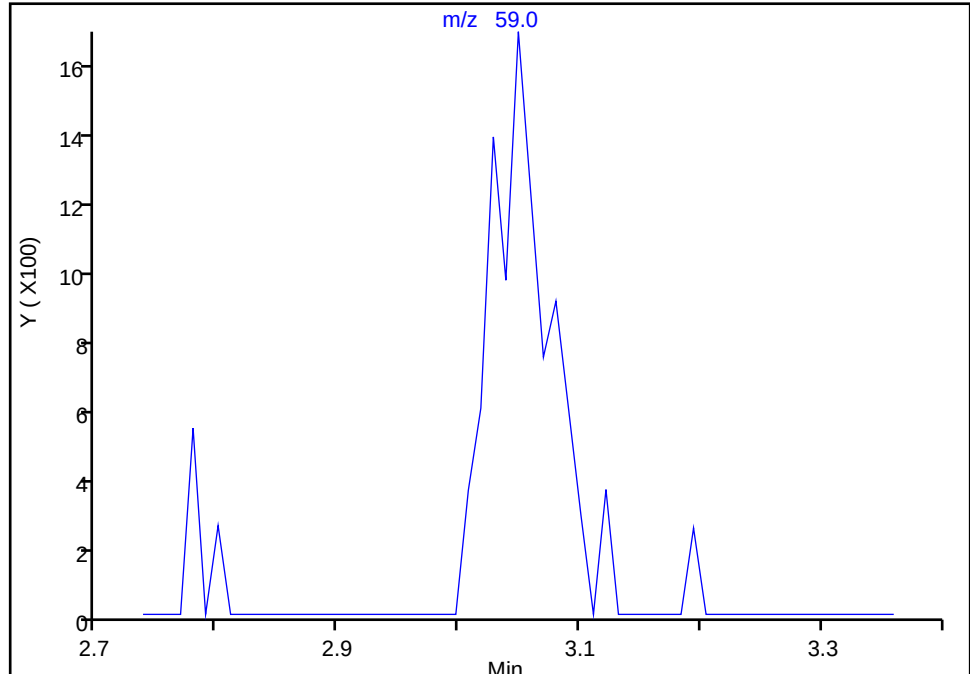
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D
Injection Date: 01-Sep-2021 15:06:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

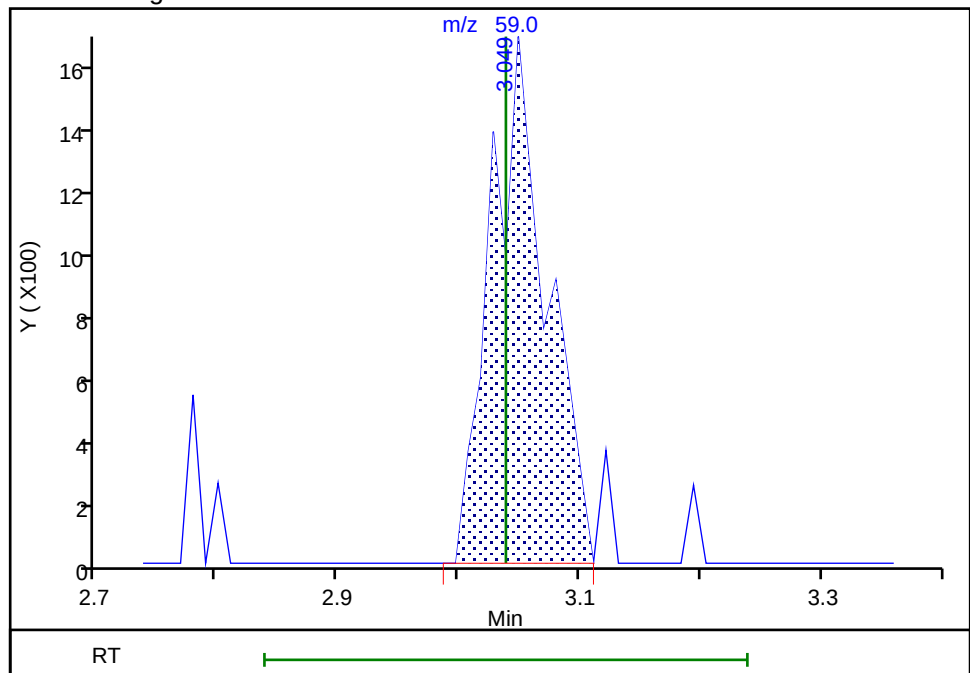
Signal: 1

Not Detected
Expected RT: 3.04

Processing Integration Results



Manual Integration Results



Reviewer: HillL, 02-Sep-2021 09:55:45
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

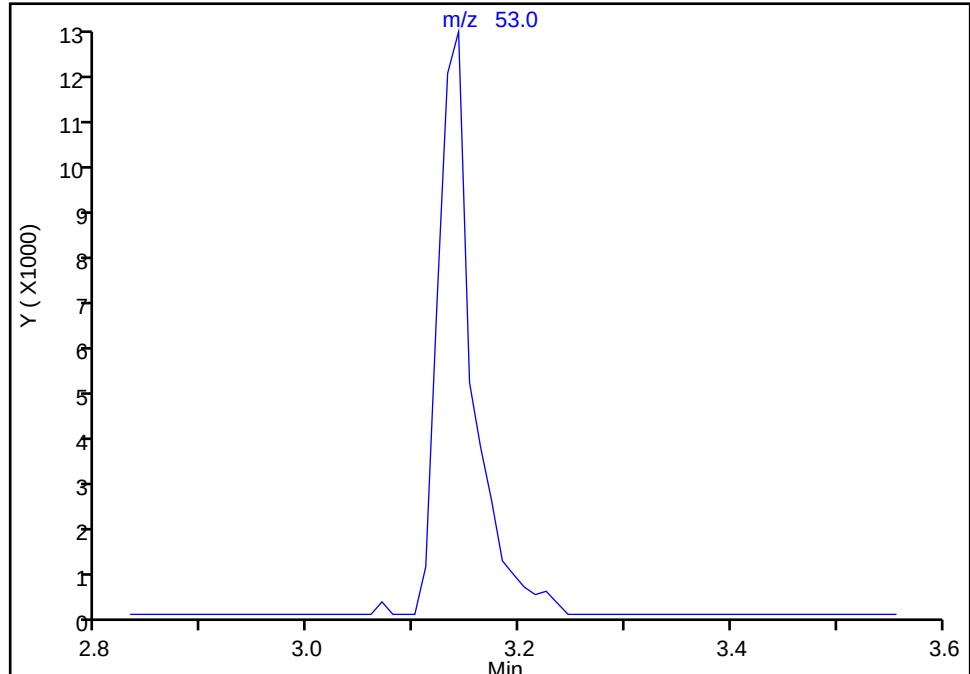
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D
Injection Date: 01-Sep-2021 15:06:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

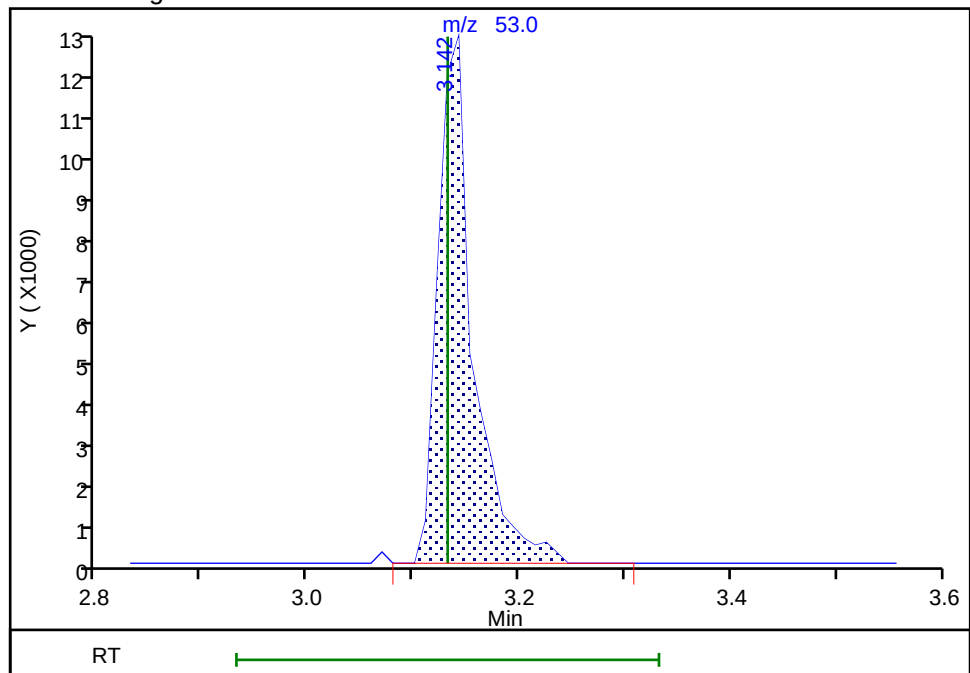
Not Detected
Expected RT: 3.13

Processing Integration Results



RT: 3.14
Area: 28812
Amount: 4.156033
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Sep-2021 09:55:51
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

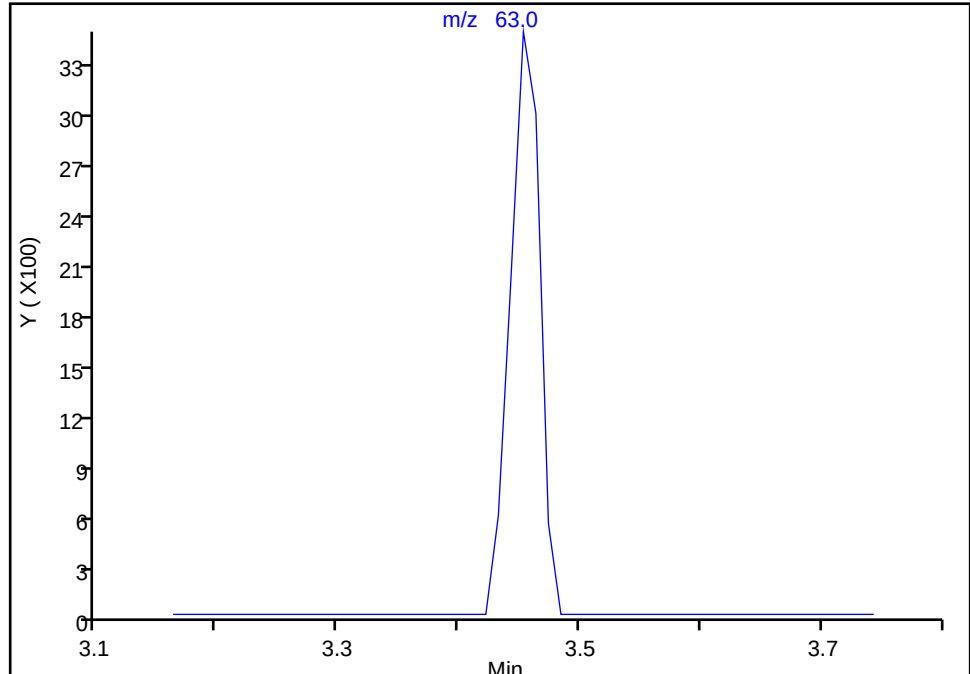
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D
Injection Date: 01-Sep-2021 15:06:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

39 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

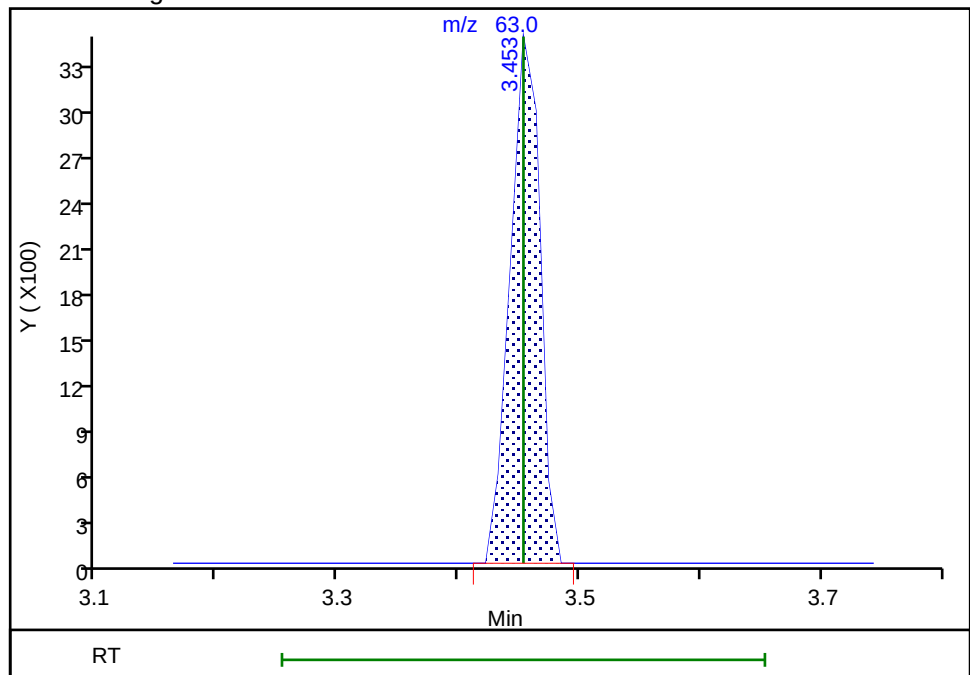
Not Detected
Expected RT: 3.45

Processing Integration Results



RT: 3.45
Area: 5937
Amount: 0.348238
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Sep-2021 09:55:56
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

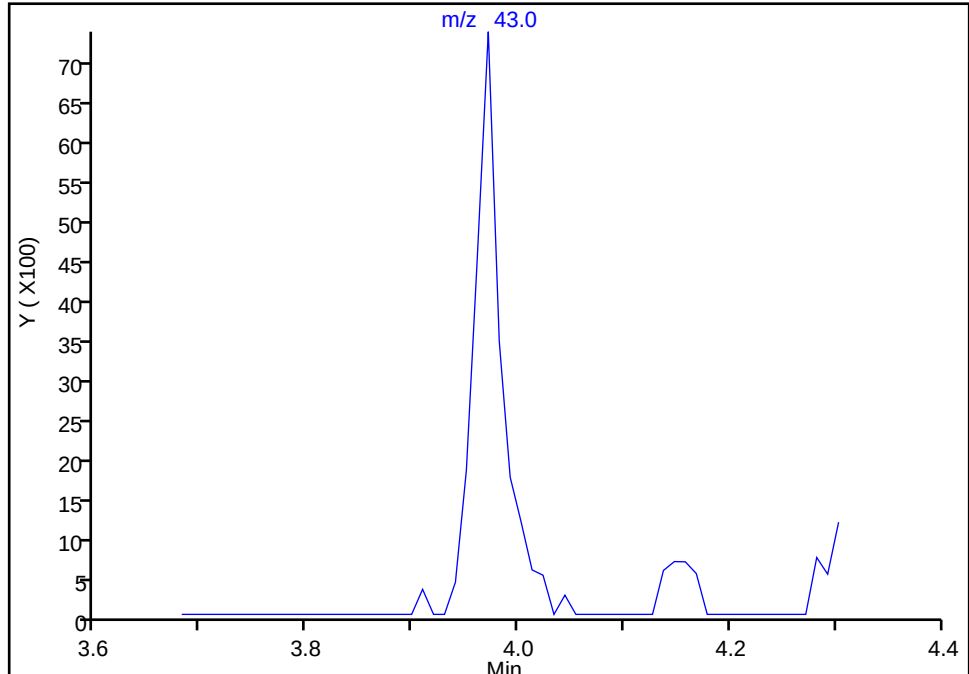
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D
Injection Date: 01-Sep-2021 15:06:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

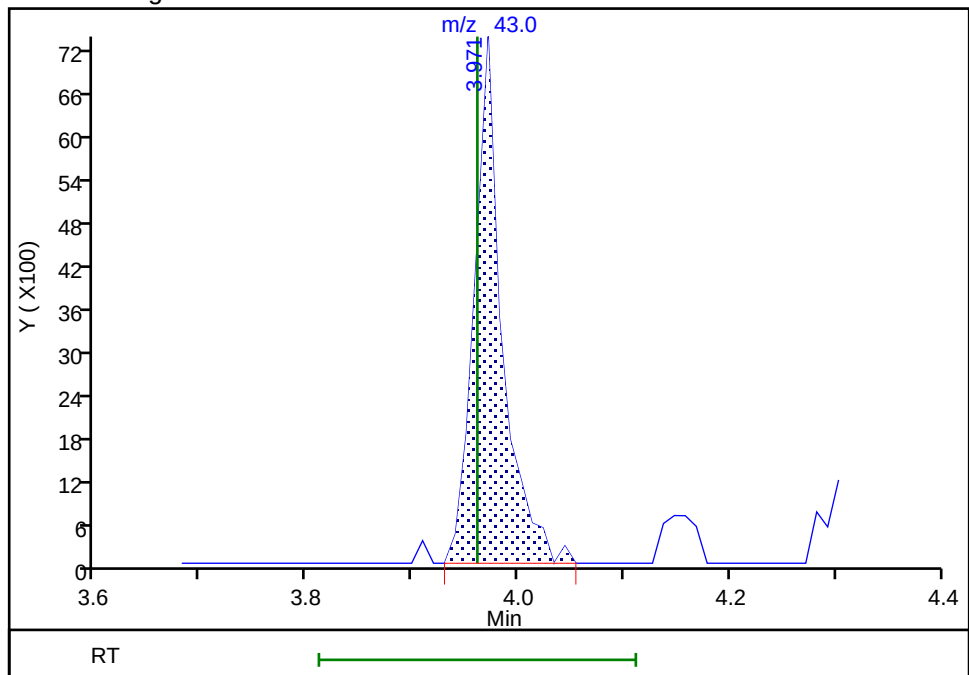
Not Detected
Expected RT: 3.96

Processing Integration Results



RT: 3.97
Area: 13511
Amount: 1.890501
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Sep-2021 09:56:16
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

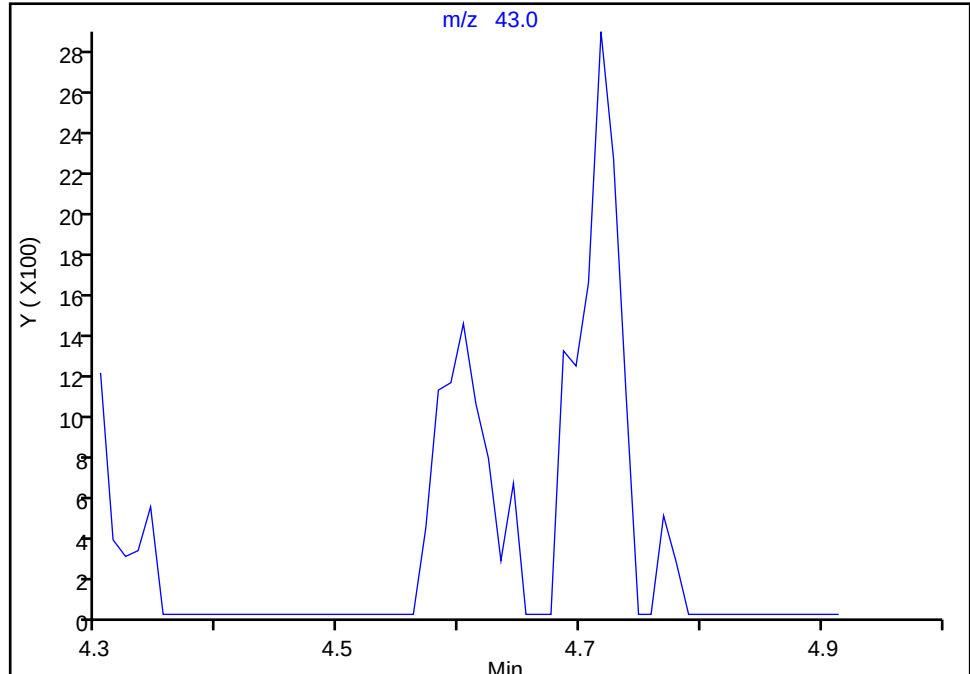
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D
Injection Date: 01-Sep-2021 15:06:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

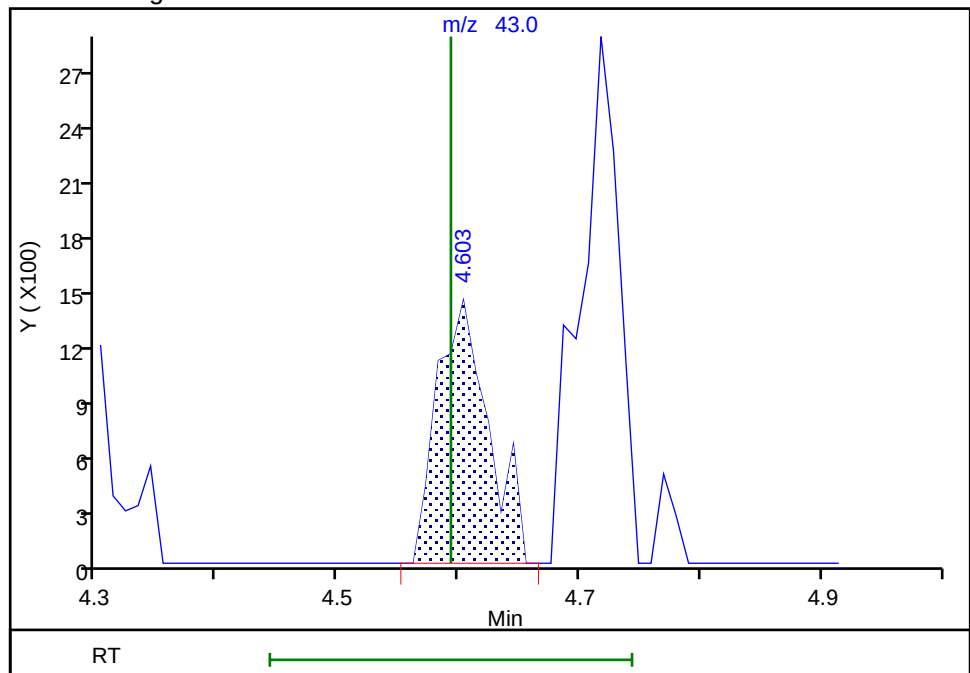
Signal: 1

Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results



RT: 4.60
Area: 4147
Amount: 18.541711
Amount Units: ug/L

Eurofins TestAmerica, Buffalo

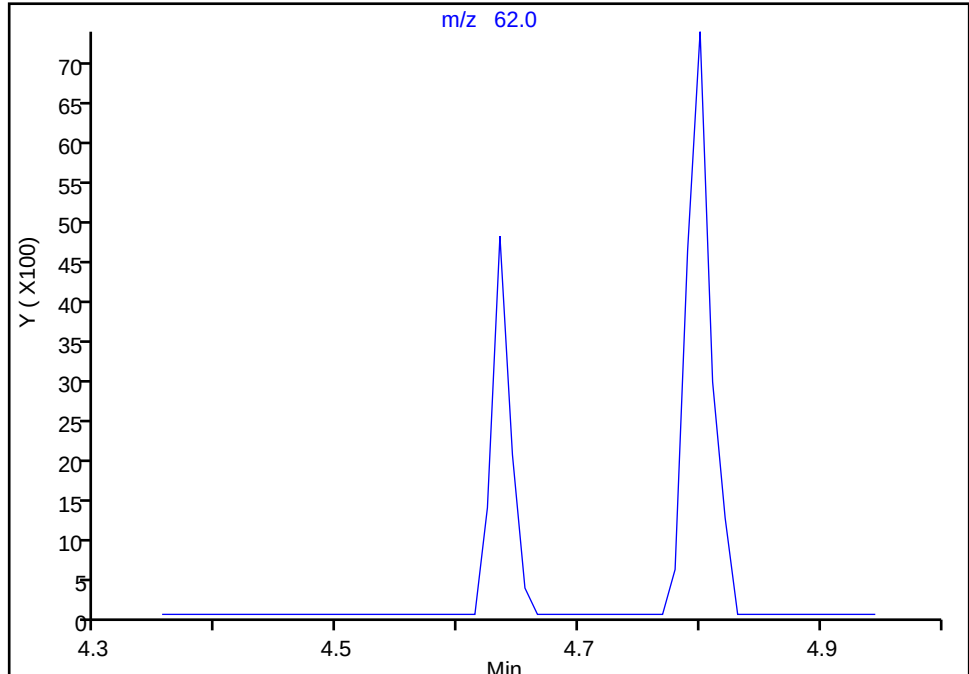
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D
Injection Date: 01-Sep-2021 15:06:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

58 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

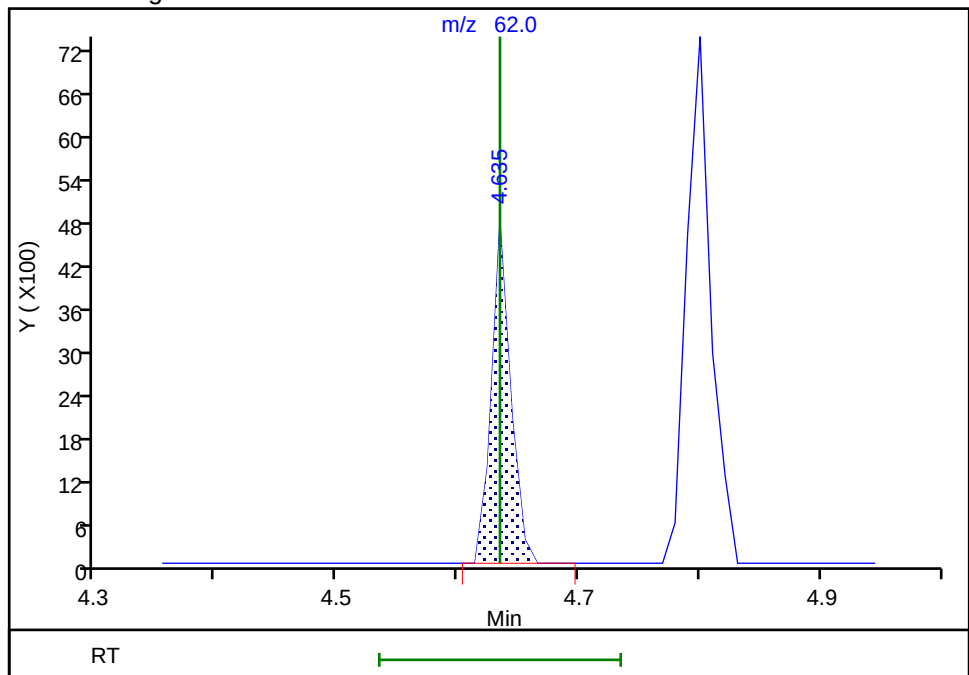
Not Detected
Expected RT: 4.63

Processing Integration Results



RT: 4.63
Area: 5260
Amount: 0.392341
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Sep-2021 09:57:09
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D

Injection Date: 01-Sep-2021 15:06:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: LH

ALS Bottle#:

11

Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

MS SCAN

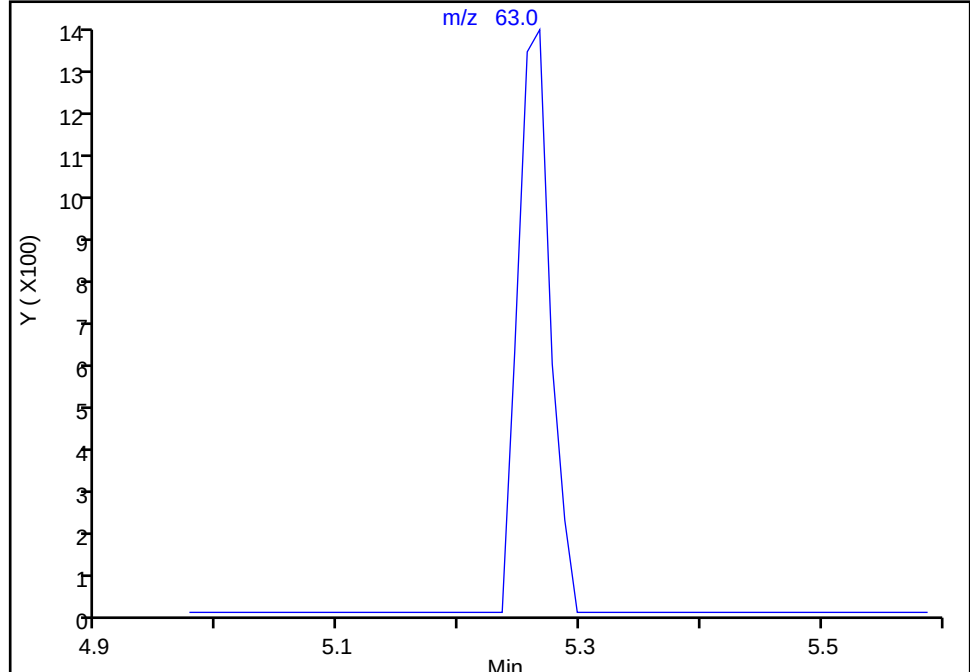
65 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

Not Detected

Expected RT: 5.27

Processing Integration Results



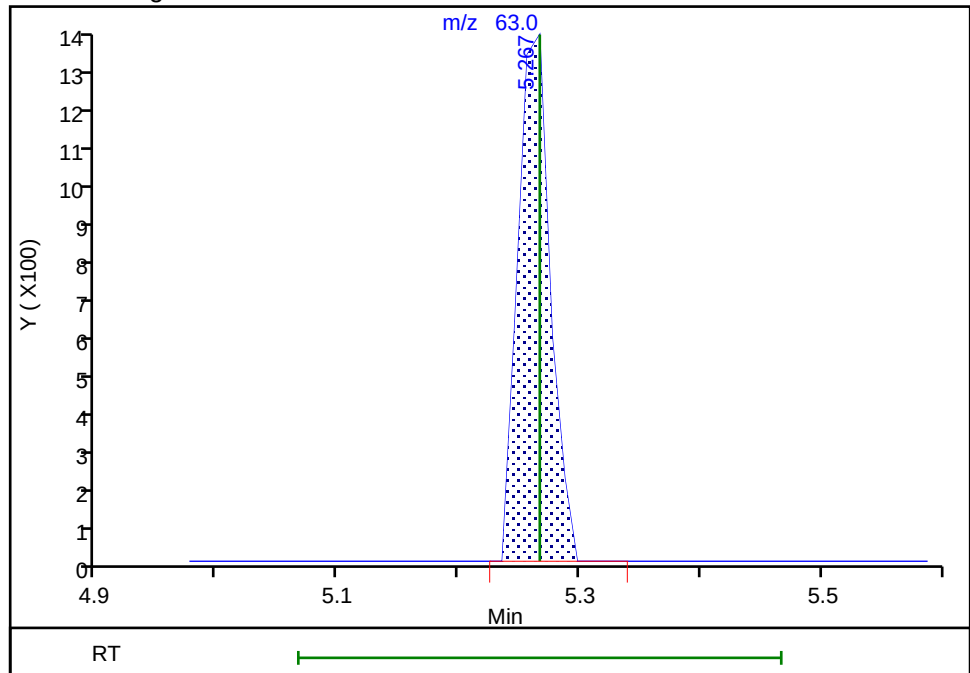
RT: 5.27

Area: 2498

Amount: 0.299592

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Sep-2021 09:57:16

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

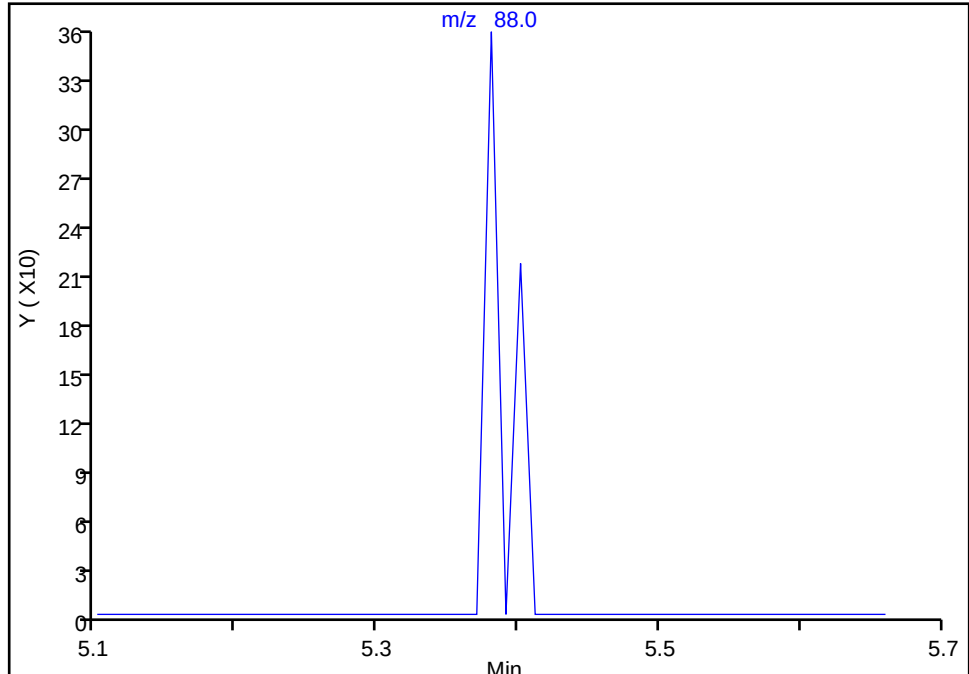
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D
Injection Date: 01-Sep-2021 15:06:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

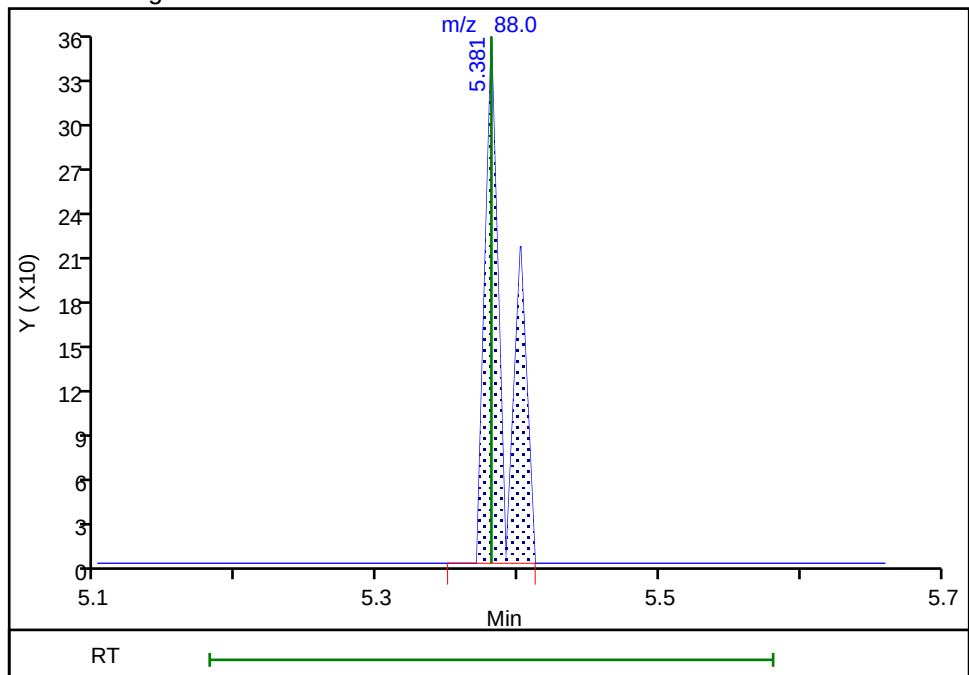
Not Detected
Expected RT: 5.38

Processing Integration Results



RT: 5.38
Area: 351
Amount: 7.884140
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Sep-2021 09:57:23
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D

Injection Date: 01-Sep-2021 15:06:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: LH

ALS Bottle#:

11

Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

MS SCAN

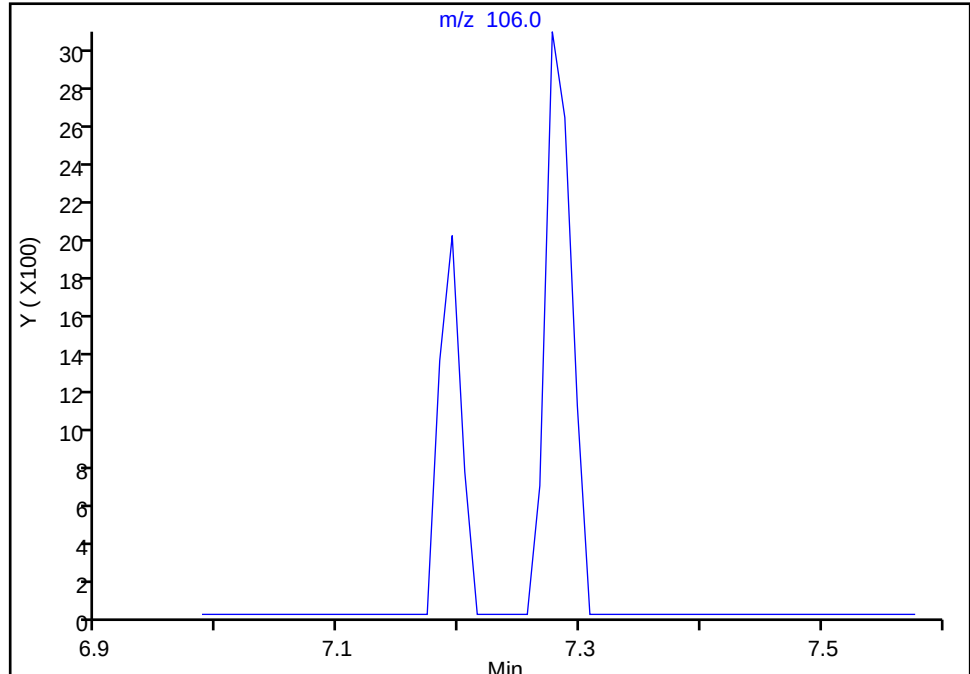
90 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

Not Detected

Expected RT: 7.28

Processing Integration Results



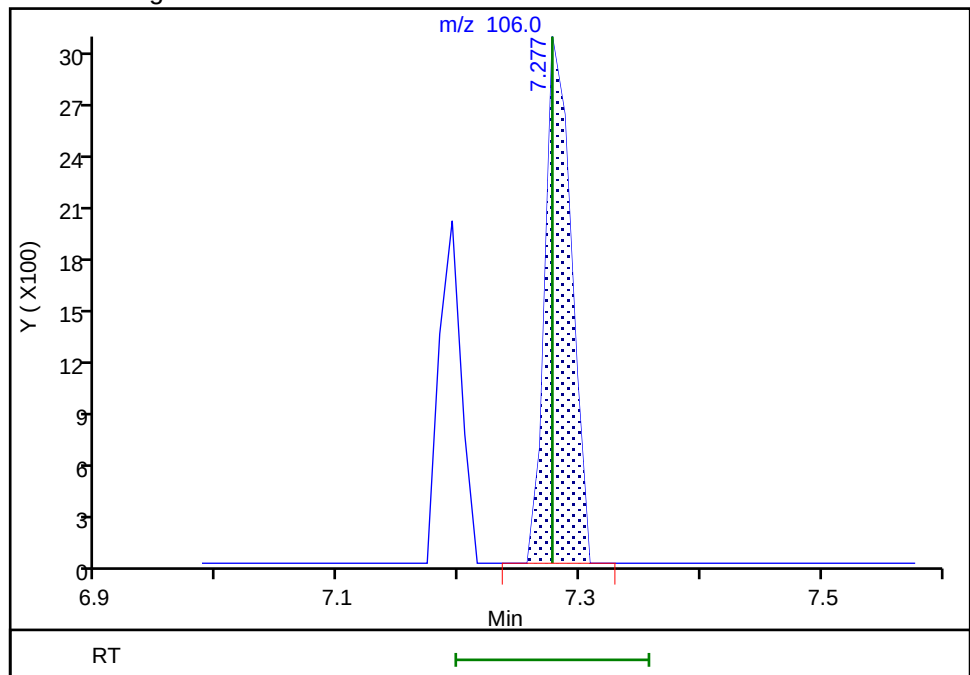
RT: 7.28

Area: 4594

Amount: 0.340804

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Sep-2021 09:57:44

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D

Injection Date: 01-Sep-2021 15:06:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: LH

ALS Bottle#:

11

Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

MS SCAN

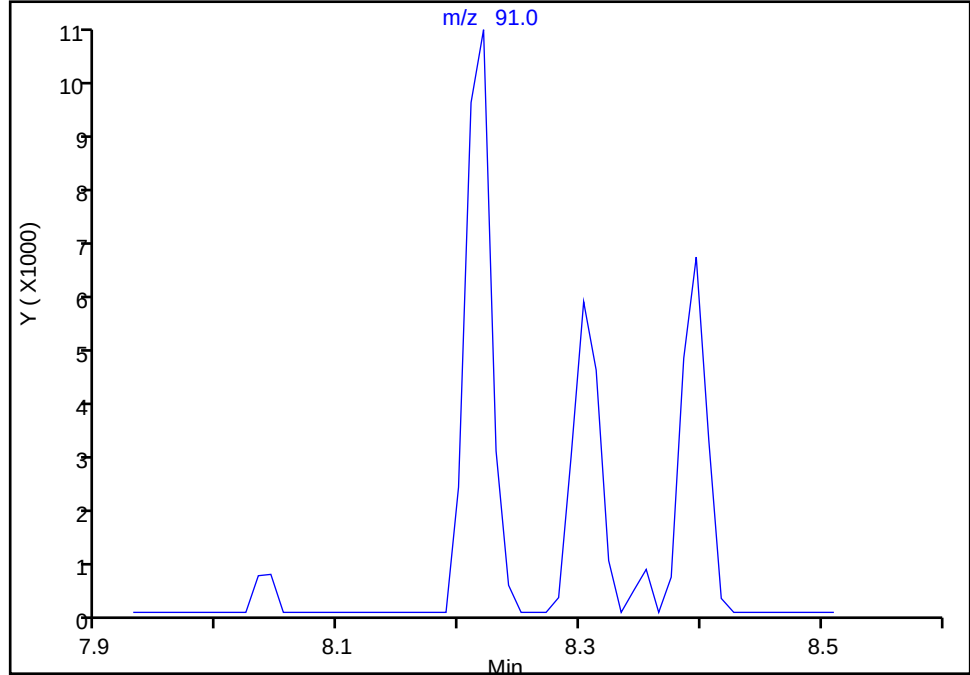
99 N-Propylbenzene, CAS: 103-65-1

Signal: 1

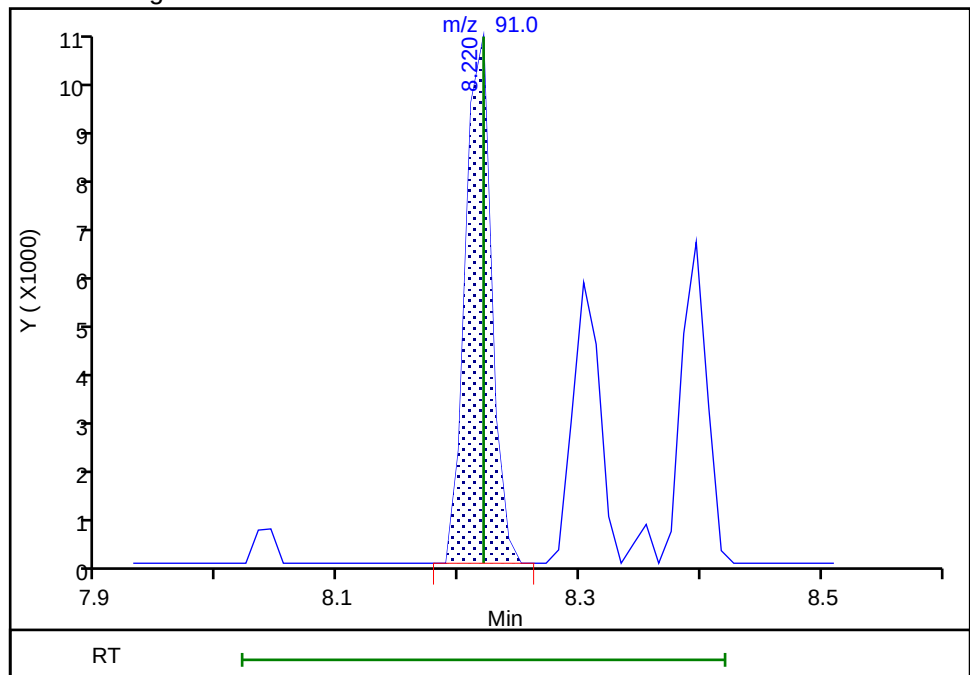
Not Detected

Expected RT: 8.22

Processing Integration Results



Manual Integration Results



RT: 8.22

Area: 15027

Amount: 0.331496

Amount Units: ug/L

Reviewer: HillL, 02-Sep-2021 09:57:53

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7187.D

Injection Date: 01-Sep-2021 15:06:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: LH

ALS Bottle#:

11

Worklist Smp#:

16

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

MS SCAN

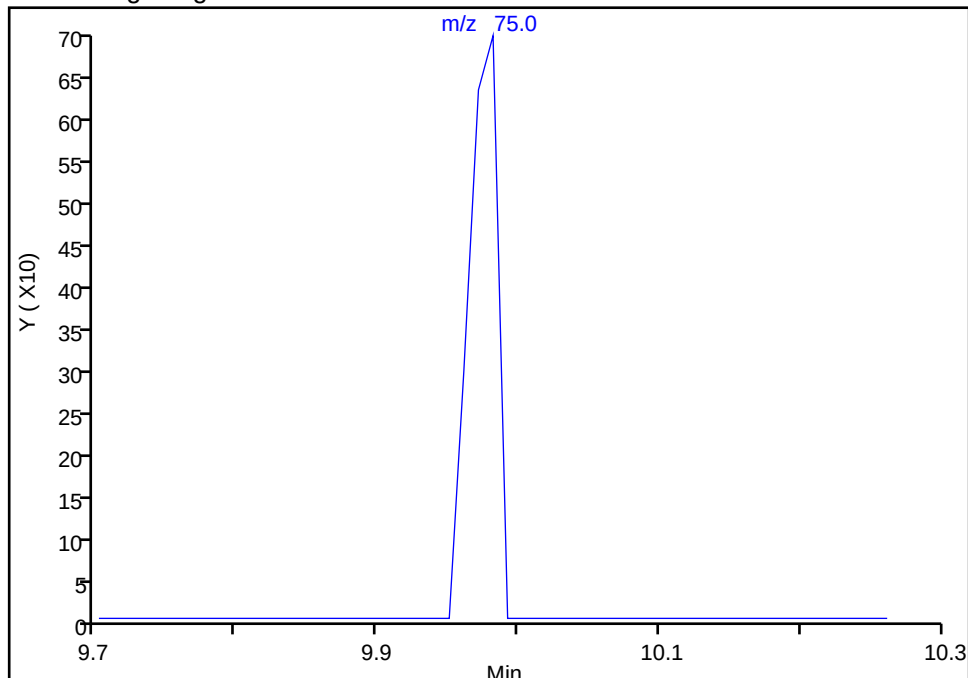
117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

Not Detected

Expected RT: 9.98

Processing Integration Results



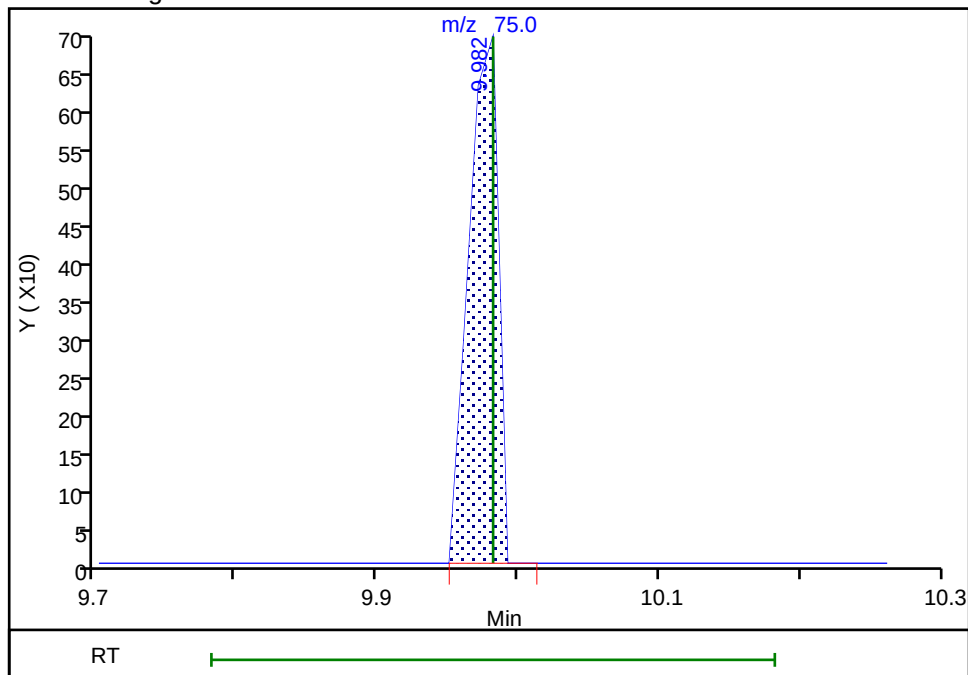
RT: 9.98

Area: 1014

Amount: 0.379708

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Sep-2021 09:58:10

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7188.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 01-Sep-2021 15:29:30 ALS Bottle#: 12 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0100746-017
 Operator ID: LH Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Sep-2021 10:54:15 Calib Date: 01-Sep-2021 21:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7205.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: HillL

Date: 02-Sep-2021 10:00:04

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	4.800	4.800	0.000	98	148572	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	87	308944	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.977	8.977	0.000	96	352189	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.324	4.324	0.000	93	243613	25.0	25.2	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.583	0.000	96	142490	25.0	26.8	
\$ 5 Toluene-d8 (Surr)	98	5.982	5.982	0.000	94	688407	25.0	24.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.044	8.044	0.000	88	198219	25.0	22.3	
10 Dichlorodifluoromethane	85	1.080	1.070	0.010	95	9474	1.00	0.8354	
12 Chloromethane	50	1.236	1.225	0.011	95	15211	1.00	0.9189	
13 Vinyl chloride	62	1.329	1.318	0.011	60	11382	1.00	0.9654	
151 Butadiene	54	1.329	1.329	0.000	95	10202	1.00	0.8542	
14 Bromomethane	94	1.598	1.598	0.000	96	8317	1.00	1.09	
15 Chloroethane	64	1.681	1.681	0.000	95	6660	1.00	0.99	
16 Dichlorofluoromethane	67	1.899	1.888	0.011	92	13548	1.00	0.8518	
17 Trichlorofluoromethane	101	1.909	1.899	0.010	77	12256	1.00	0.8804	
18 Ethyl ether	59	2.179	2.179	0.000	95	9207	1.00	0.99	
20 Acrolein	56	2.355	2.355	0.000	0	2300	5.00	4.15	M
21 112TCTFE	101	2.376	2.375	0.001	72	7377	1.00	1.22	
22 1,1-Dichloroethene	96	2.386	2.386	0.000	96	6446	1.00	0.7748	
23 Acetone	43	2.510	2.510	0.000	99	27585	5.00	4.97	
25 Iodomethane	142	2.552	2.541	0.011	100	13267	1.00	0.8228	
26 Carbon disulfide	76	2.572	2.572	0.000	100	21202	1.00	1.14	
28 3-Chloro-1-propene	41	2.738	2.738	0.000	90	14184	1.00	0.7780	
27 Methyl acetate	43	2.790	2.780	0.010	99	25088	2.00	2.01	
30 Methylene Chloride	84	2.873	2.873	0.000	98	17790	1.00	1.07	
31 2-Methyl-2-propanol	59	3.049	3.039	0.010	92	11253	10.0	9.06	
32 Methyl tert-butyl ether	73	3.070	3.070	0.000	91	22338	1.00	0.8442	
34 trans-1,2-Dichloroethene	96	3.080	3.080	0.000	94	7688	1.00	0.8089	
33 Acrylonitrile	53	3.142	3.132	0.010	0	66918	10.0	9.50	M
35 Hexane	57	3.256	3.256	0.000	96	11961	1.00	1.25	

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	3.453	3.453	0.000	95	14617	1.00	0.8439	
37 Vinyl acetate	43	3.505	3.505	0.000	98	34965	2.00	1.84	
44 2,2-Dichloropropane	77	3.909	3.899	0.010	68	4248	1.00	1.24	
45 cis-1,2-Dichloroethene	96	3.930	3.930	0.000	84	8878	1.00	0.8467	
43 2-Butanone (MEK)	43	3.971	3.961	0.010	97	33735	5.00	4.65	
48 Chlorobromomethane	128	4.137	4.137	0.000	92	5113	1.00	0.8698	
49 Tetrahydrofuran	42	4.148	4.147	0.001	87	11945	2.00	2.08	
50 Chloroform	83	4.199	4.199	0.000	94	15985	1.00	0.9267	
52 Cyclohexane	56	4.293	4.293	0.000	90	13437	1.00	1.17	
51 1,1,1-Trichloroethane	97	4.293	4.293	0.000	81	9447	1.00	1.22	
55 Carbon tetrachloride	117	4.407	4.407	0.000	81	7858	1.00	1.17	
54 1,1-Dichloropropene	75	4.417	4.417	0.000	87	8719	1.00	0.7889	
57 Benzene	78	4.583	4.583	0.000	44	30111	1.00	0.9494	
53 Isobutyl alcohol	43	4.593	4.593	0.000	29	10149	25.0	29.1	M
58 1,2-Dichloroethane	62	4.635	4.635	0.000	94	14356	1.00	1.05	
59 n-Heptane	43	4.718	4.717	0.001	90	15474	1.00	0.9406	
62 Trichloroethene	95	5.070	5.070	0.000	95	7622	1.00	0.8972	
64 Methylcyclohexane	83	5.163	5.163	0.000	92	11070	1.00	1.28	
65 1,2-Dichloropropane	63	5.256	5.267	-0.011	88	7848	1.00	0.9264	
67 Dibromomethane	93	5.370	5.370	0.000	92	5437	1.00	0.8963	
66 1,4-Dioxane	88	5.370	5.381	-0.011	0	1370	20.0	17.6	M
68 Dichlorobromomethane	83	5.484	5.484	0.000	95	9050	1.00	0.8512	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	90	4388	1.00	0.8697	
72 cis-1,3-Dichloropropene	75	5.806	5.806	0.000	89	8106	1.00	0.8143	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	60897	5.00	4.06	
74 Toluene	92	6.034	6.034	0.000	95	17546	1.00	0.8819	
77 trans-1,3-Dichloropropene	75	6.241	6.241	0.000	88	5911	1.00	1.22	
75 Ethyl methacrylate	69	6.262	6.262	0.000	95	7235	1.00	0.9181	
79 1,1,2-Trichloroethane	83	6.386	6.386	0.000	89	5961	1.00	0.9655	
81 Tetrachloroethene	166	6.438	6.438	0.000	92	6950	1.00	0.9855	
82 1,3-Dichloropropane	76	6.510	6.510	0.000	95	11144	1.00	0.9623	
80 2-Hexanone	43	6.552	6.552	0.000	96	33235	5.00	3.75	
83 Chlorodibromomethane	129	6.697	6.697	0.000	87	6709	1.00	0.8189	
84 Ethylene Dibromide	107	6.780	6.780	0.000	92	6328	1.00	0.8642	
87 Chlorobenzene	112	7.132	7.132	0.000	95	20001	1.00	0.8612	
88 Ethylbenzene	91	7.194	7.194	0.000	97	28739	1.00	0.7681	
89 1,1,1,2-Tetrachloroethane	131	7.194	7.205	-0.011	89	6770	1.00	0.8286	
90 m-Xylene & p-Xylene	106	7.277	7.277	0.000	96	10792	1.00	0.7395	
91 o-Xylene	106	7.599	7.598	0.000	0	13015	1.00	0.8491	M
92 Styrene	104	7.619	7.619	0.000	94	18719	1.00	0.7666	
95 Bromoform	173	7.816	7.816	0.000	90	4310	1.00	0.8409	
94 Isopropylbenzene	105	7.889	7.889	0.000	95	28871	1.00	0.7637	
101 Bromobenzene	156	8.158	8.168	-0.010	95	8165	1.00	0.8742	
97 1,1,2,2-Tetrachloroethane	83	8.189	8.189	0.000	92	14720	1.00	1.19	
99 N-Propylbenzene	91	8.220	8.220	0.000	99	34301	1.00	0.7850	
100 1,2,3-Trichloropropane	110	8.220	8.220	0.000	88	4208	1.00	0.9628	
98 trans-1,4-Dichloro-2-butene	53	8.231	8.231	0.000	71	3657	1.00	0.9554	
103 2-Chlorotoluene	126	8.303	8.303	0.000	97	8230	1.00	0.8822	
102 1,3,5-Trimethylbenzene	105	8.355	8.355	0.000	93	25360	1.00	0.7704	
105 4-Chlorotoluene	126	8.396	8.396	0.000	95	8019	1.00	0.8570	
106 tert-Butylbenzene	134	8.614	8.614	0.000	93	5247	1.00	1.12	
107 1,2,4-Trimethylbenzene	105	8.666	8.666	0.000	96	25786	1.00	0.7571	

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	8.790	8.800	-0.010	93	29967	1.00	1.10	
110 4-Isopropyltoluene	119	8.915	8.914	0.001	98	26701	1.00	1.09	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	95	17745	1.00	0.8797	
113 1,4-Dichlorobenzene	146	8.998	8.997	0.001	93	19827	1.00	0.9496	
115 n-Butylbenzene	91	9.246	9.246	0.000	98	26091	1.00	0.7611	
116 1,2-Dichlorobenzene	146	9.308	9.308	0.000	96	18151	1.00	0.8677	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	81	2424	1.00	0.9416	
119 1,2,4-Trichlorobenzene	180	10.625	10.624	0.001	89	14785	1.00	0.9601	
120 Hexachlorobutadiene	225	10.739	10.728	0.010	92	6146	1.00	0.9516	
121 Naphthalene	128	10.832	10.842	-0.010	96	42759	1.00	0.8657	
122 1,2,3-Trichlorobenzene	180	11.029	11.029	0.000	92	12618	1.00	0.8522	
S 123 Total BTEX	1				0			4.19	
S 126 1,3-Dichloropropene, Total	1				0			2.03	
S 124 Xylenes, Total	1				0			1.59	
S 125 1,2-Dichloroethene, Total	1				0			1.66	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00212

Amount Added: 1.00

Units: uL

GAS CORP mix_00470

Amount Added: 1.00

Units: uL

C_8260_IS_00157

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_Surr_00174

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7188.D

Injection Date: 01-Sep-2021 15:29:30

Instrument ID: HP5973C

Lims ID: IC

Operator ID: LH

Client ID:

Worklist Smp#: 17

Purge Vol: 5.000 mL

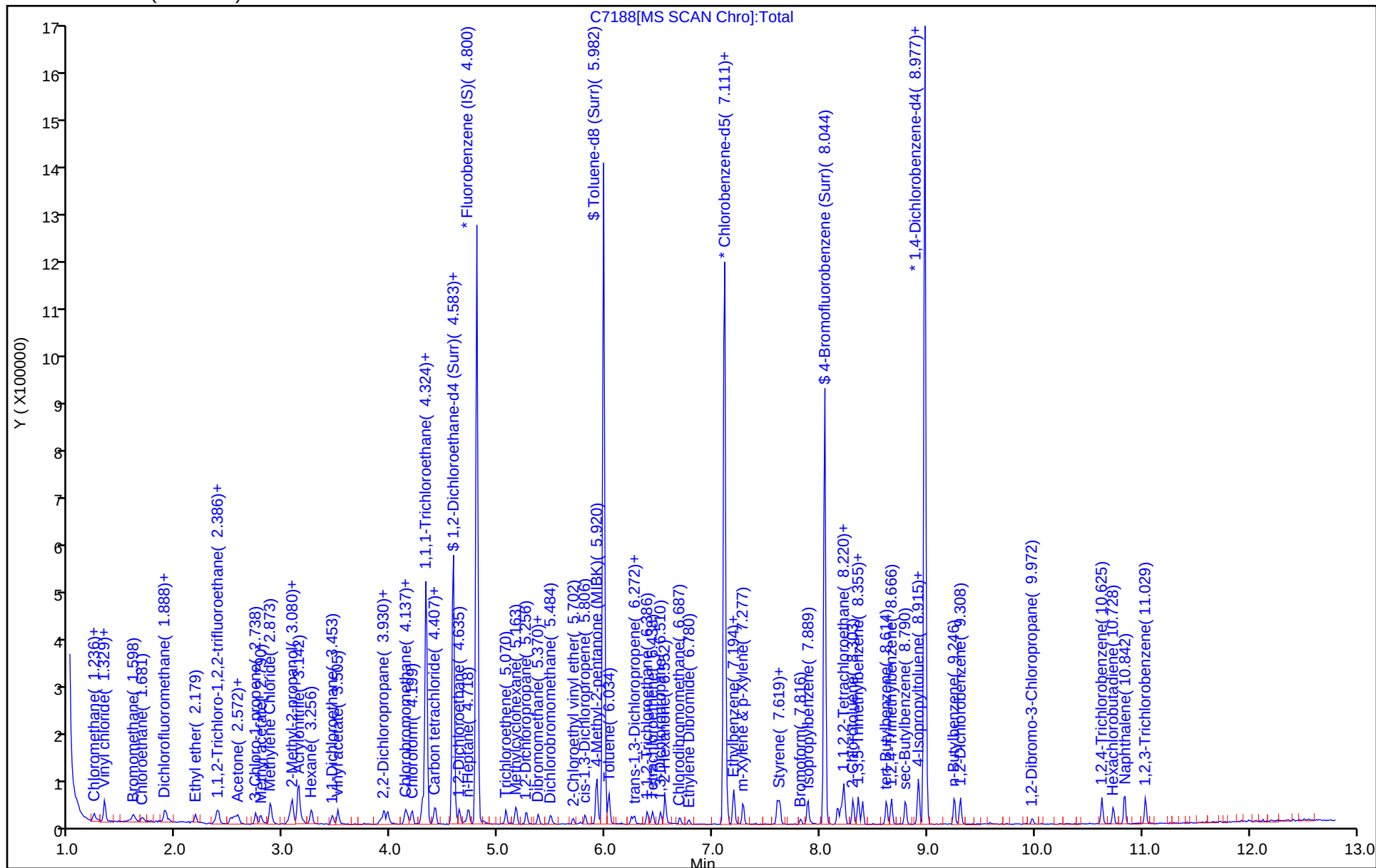
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7188.D

Injection Date: 01-Sep-2021 15:29:30

Instrument ID: HP5973C

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

12

Worklist Smp#: 17

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

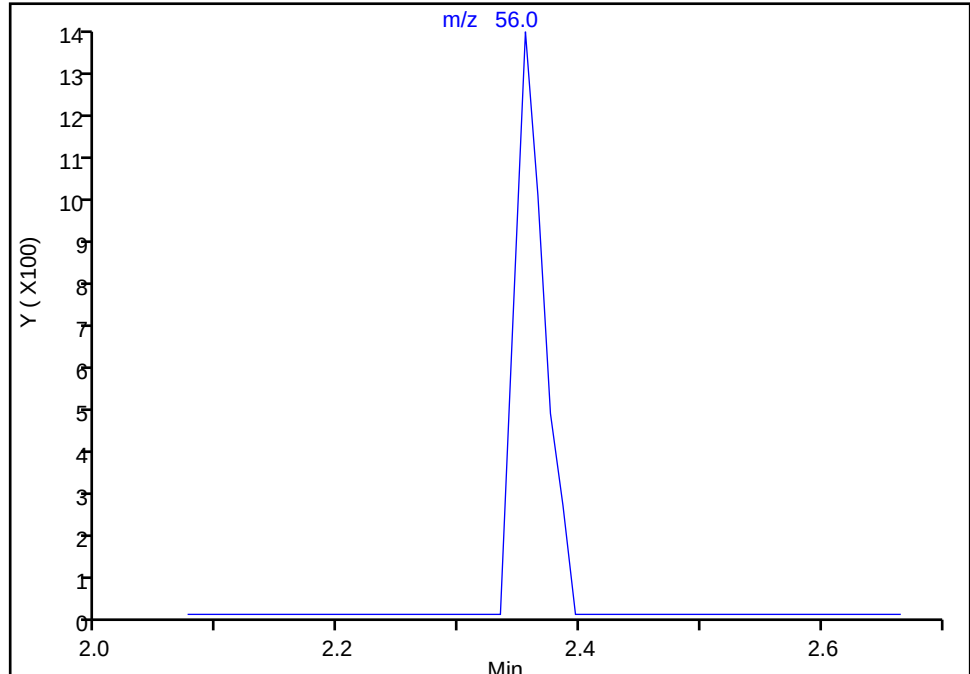
20 Acrolein, CAS: 107-02-8

Signal: 1

Not Detected

Expected RT: 2.35

Processing Integration Results



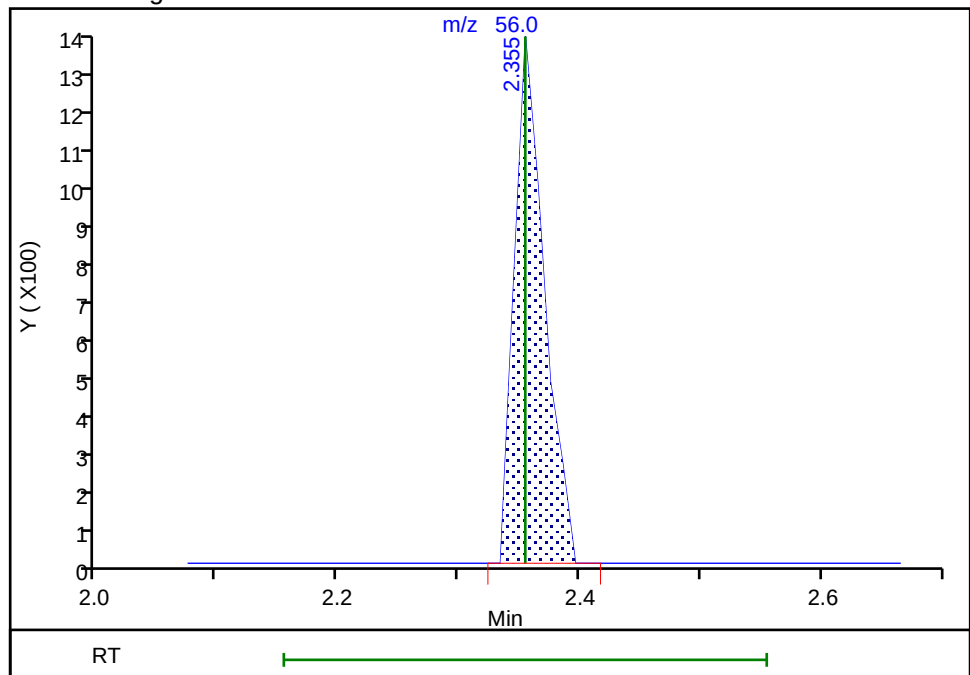
RT: 2.35

Area: 2300

Amount: 4.151107

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Sep-2021 09:58:43

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7188.D

Injection Date: 01-Sep-2021 15:29:30

Instrument ID: HP5973C

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

12

Worklist Smp#: 17

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

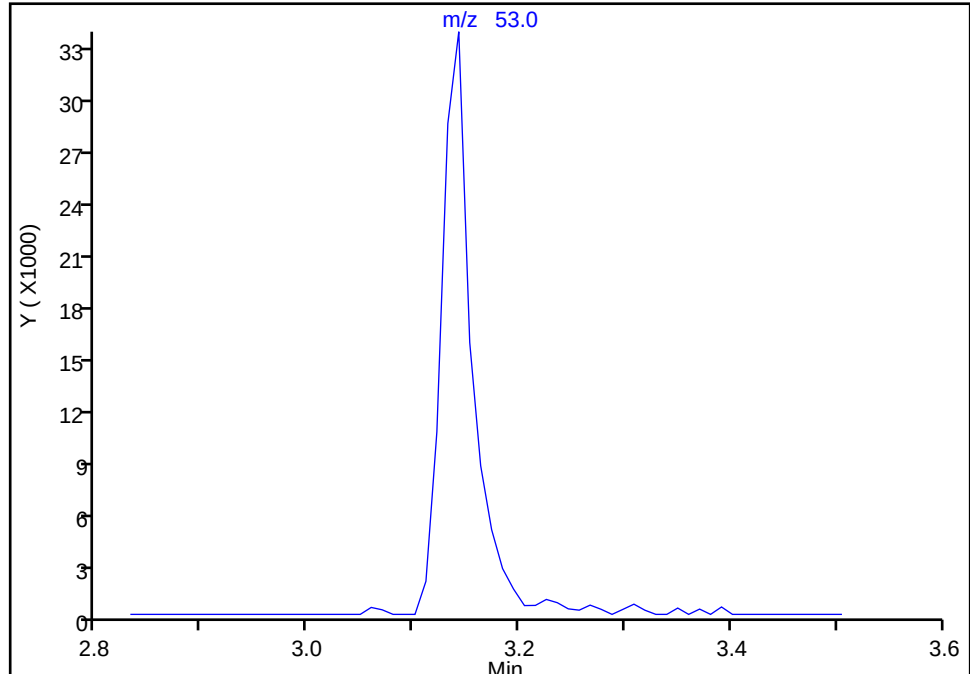
33 Acrylonitrile, CAS: 107-13-1

Signal: 1

Not Detected

Expected RT: 3.13

Processing Integration Results



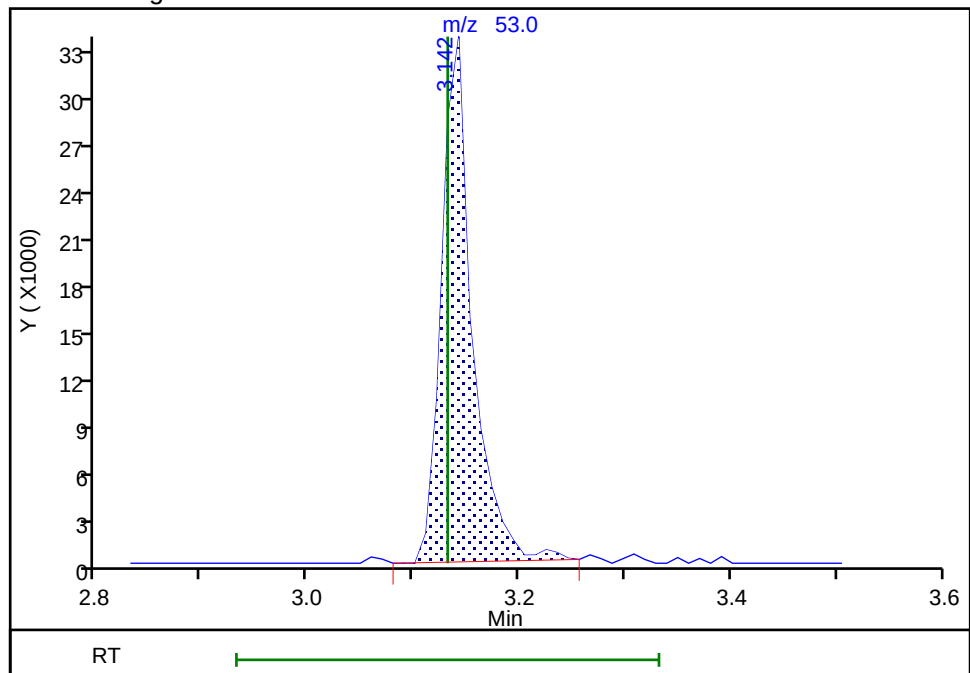
RT: 3.14

Area: 66918

Amount: 9.500860

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Sep-2021 09:58:54

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

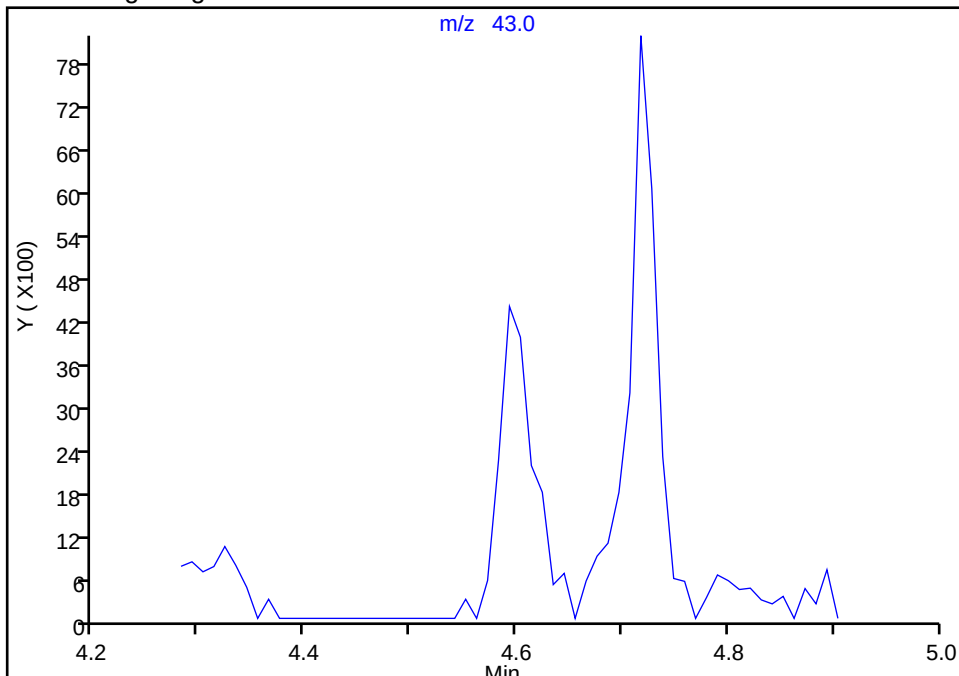
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7188.D
Injection Date: 01-Sep-2021 15:29:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

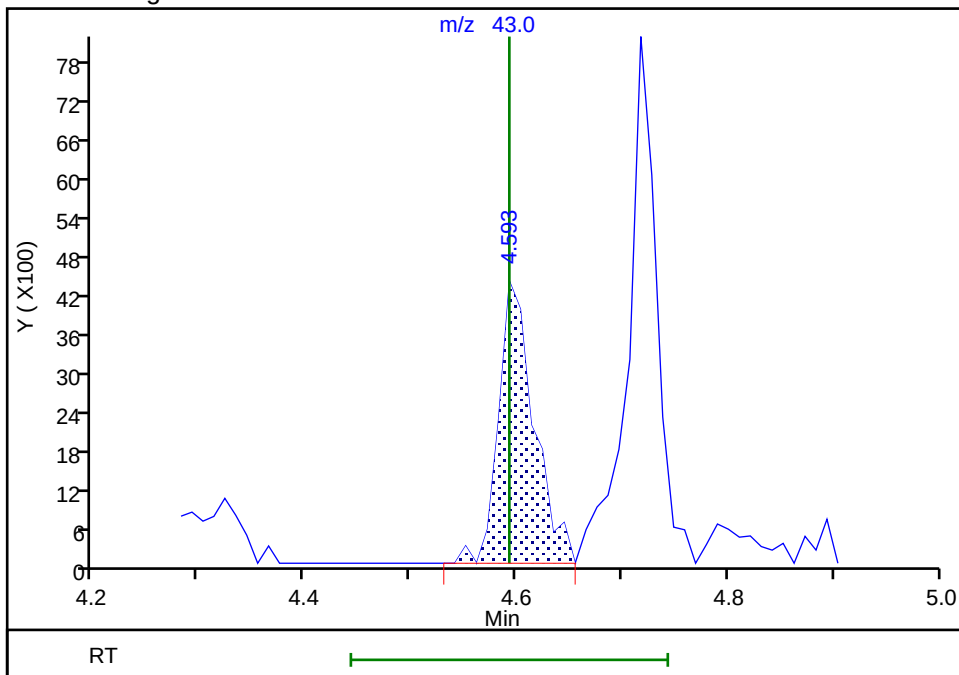
Not Detected
Expected RT: 4.59

Processing Integration Results



RT: 4.59
Area: 10149
Amount: 29.111597
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Sep-2021 09:59:15
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 227 of 624

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7188.D

Injection Date: 01-Sep-2021 15:29:30

Instrument ID: HP5973C

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

12

Worklist Smp#: 17

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

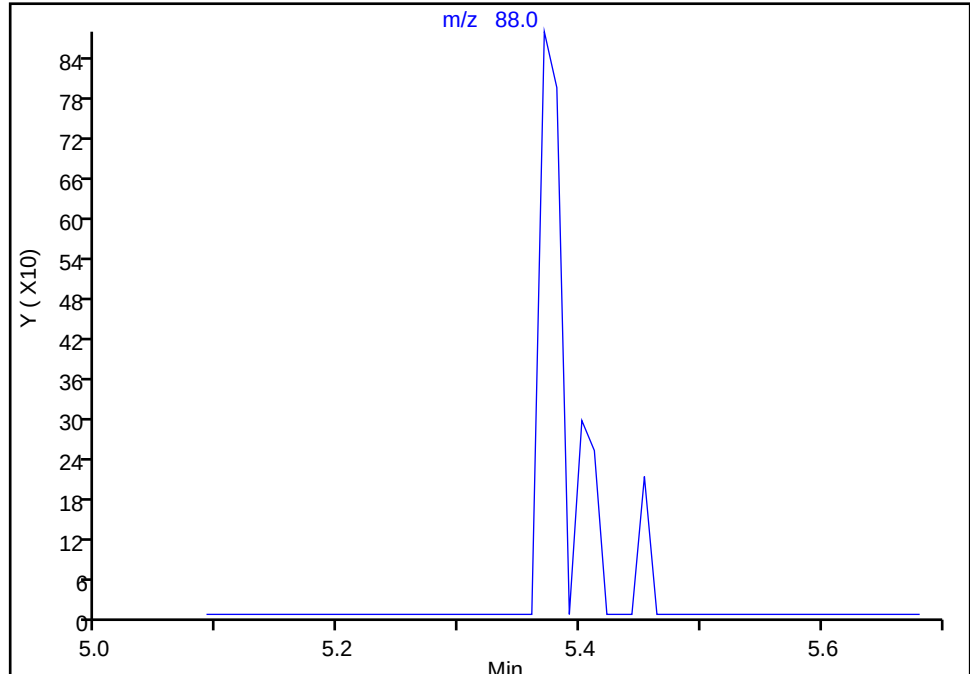
66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

Not Detected

Expected RT: 5.38

Processing Integration Results



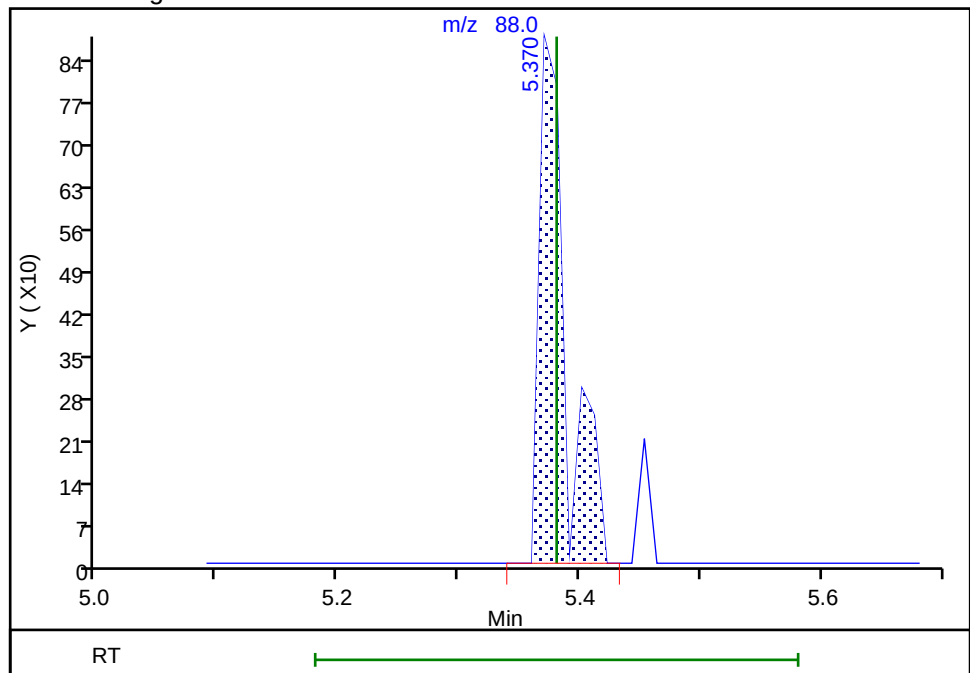
RT: 5.37

Area: 1370

Amount: 17.614704

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Sep-2021 09:59:28

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

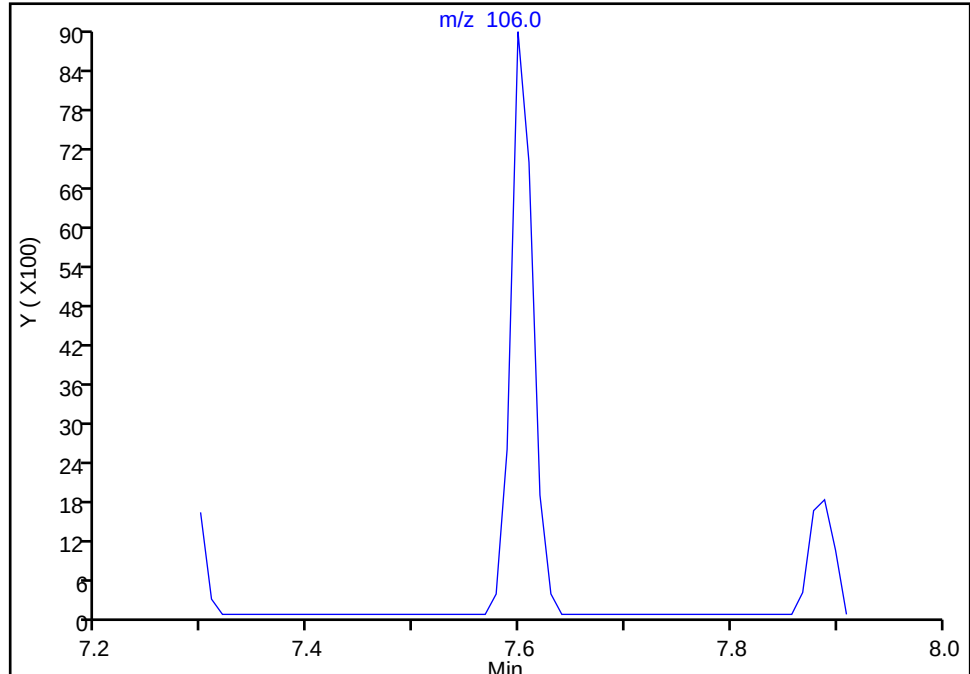
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7188.D
Injection Date: 01-Sep-2021 15:29:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

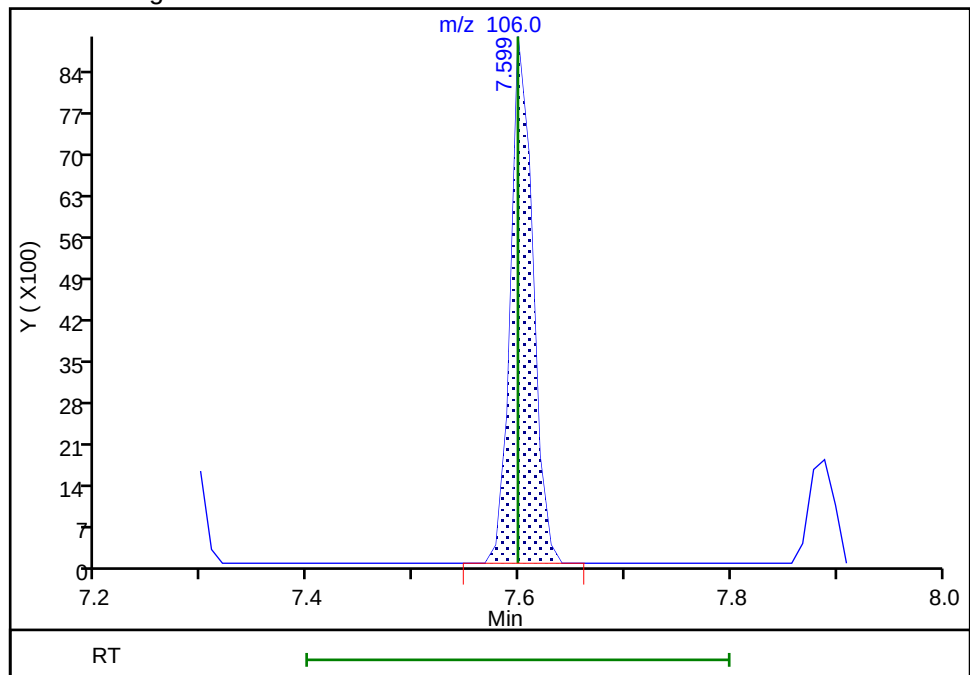
Not Detected
Expected RT: 7.60

Processing Integration Results



RT: 7.60
Area: 13015
Amount: 0.849123
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Sep-2021 09:59:45
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 229 of 624

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7189.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 01-Sep-2021 15:52:30 ALS Bottle#: 13 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0100746-018
 Operator ID: LH Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Sep-2021 10:54:19 Calib Date: 01-Sep-2021 21:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7205.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: HillL

Date: 02-Sep-2021 10:00:42

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	4.800	4.800	0.000	99	157116	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.101	7.111	-0.010	90	309112	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.977	8.977	0.000	96	373395	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.324	4.324	0.000	93	240695	25.0	23.5	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.583	0.000	94	134112	25.0	23.9	
\$ 5 Toluene-d8 (Surr)	98	5.982	5.982	0.000	93	701812	25.0	24.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.044	8.044	0.000	91	224123	25.0	25.2	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	98	19022	2.00	1.59	
12 Chloromethane	50	1.236	1.225	0.011	99	31761	2.00	1.81	
13 Vinyl chloride	62	1.329	1.318	0.011	48	23077	2.00	1.85	
151 Butadiene	54	1.329	1.329	0.000	95	22560	2.00	1.79	
14 Bromomethane	94	1.598	1.598	0.000	89	14929	2.00	1.85	
15 Chloroethane	64	1.681	1.681	0.000	97	13579	2.00	1.91	
16 Dichlorofluoromethane	67	1.888	1.888	0.000	94	30777	2.00	1.83	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	68	22353	2.00	1.52	
18 Ethyl ether	59	2.179	2.179	0.000	94	17608	2.00	1.80	
20 Acrolein	56	2.365	2.355	0.010	49	5681	10.0	9.70	
21 112TCTFE	101	2.386	2.375	0.011	68	13598	2.00	1.76	
22 1,1-Dichloroethene	96	2.386	2.386	0.000	95	14854	2.00	1.69	
23 Acetone	43	2.510	2.510	0.000	99	56028	10.0	9.55	
25 Iodomethane	142	2.541	2.541	0.000	99	29227	2.00	1.71	
26 Carbon disulfide	76	2.572	2.572	0.000	100	51376	2.00	1.98	
28 3-Chloro-1-propene	41	2.738	2.738	0.000	87	30062	2.00	1.56	
27 Methyl acetate	43	2.790	2.780	0.010	100	51747	4.00	3.92	
30 Methylene Chloride	84	2.873	2.873	0.000	96	26348	2.00	1.73	
31 2-Methyl-2-propanol	59	3.028	3.039	-0.011	96	27656	20.0	21.1	
32 Methyl tert-butyl ether	73	3.070	3.070	0.000	92	51798	2.00	1.85	
34 trans-1,2-Dichloroethene	96	3.080	3.080	0.000	94	16857	2.00	1.68	
33 Acrylonitrile	53	3.132	3.132	0.000	98	146033	20.0	19.6	
35 Hexane	57	3.256	3.256	0.000	94	20399	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
39 1,1-Dichloroethane	63	3.453	3.453	0.000	95	31834	2.00	1.74	
37 Vinyl acetate	43	3.505	3.505	0.000	97	69850	4.00	3.47	
44 2,2-Dichloropropane	77	3.909	3.899	0.010	74	9755	2.00	1.96	
45 cis-1,2-Dichloroethene	96	3.930	3.930	0.000	82	18685	2.00	1.69	
43 2-Butanone (MEK)	43	3.961	3.961	0.000	97	76432	10.0	9.95	
48 Chlorobromomethane	128	4.137	4.137	0.000	93	10459	2.00	1.68	
49 Tetrahydrofuran	42	4.148	4.147	0.001	89	24796	4.00	4.08	
50 Chloroform	83	4.199	4.199	0.000	96	31270	2.00	1.71	
52 Cyclohexane	56	4.293	4.293	0.000	91	29972	2.00	1.83	
51 1,1,1-Trichloroethane	97	4.293	4.293	0.000	92	21803	2.00	1.99	
55 Carbon tetrachloride	117	4.407	4.407	0.000	94	18979	2.00	1.99	
54 1,1-Dichloropropene	75	4.417	4.417	0.000	93	19603	2.00	1.68	
57 Benzene	78	4.583	4.583	0.000	50	57485	2.00	1.71	
53 Isobutyl alcohol	43	4.593	4.593	0.000	41	23799	50.0	51.1	
58 1,2-Dichloroethane	62	4.635	4.635	0.000	95	27874	2.00	1.94	
59 n-Heptane	43	4.717	4.717	0.000	95	27886	2.00	1.60	
62 Trichloroethene	95	5.070	5.070	0.000	90	15161	2.00	1.69	
64 Methylcyclohexane	83	5.163	5.163	0.000	96	21201	2.00	1.78	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	94	18122	2.00	2.02	
67 Dibromomethane	93	5.370	5.370	0.000	93	11709	2.00	1.83	
66 1,4-Dioxane	88	5.381	5.381	0.000	29	4244	40.0	45.8	
68 Dichlorobromomethane	83	5.484	5.484	0.000	93	18689	2.00	1.66	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	91	10292	2.00	1.93	
72 cis-1,3-Dichloropropene	75	5.806	5.806	0.000	88	17282	2.00	1.64	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	97	144918	10.0	9.65	
74 Toluene	92	6.034	6.034	0.000	94	34245	2.00	1.72	
77 trans-1,3-Dichloropropene	75	6.241	6.241	0.000	92	12258	2.00	1.95	
75 Ethyl methacrylate	69	6.262	6.262	0.000	96	13635	2.00	1.73	
79 1,1,2-Trichloroethane	83	6.386	6.386	0.000	93	12248	2.00	1.98	
81 Tetrachloroethene	166	6.438	6.438	0.000	94	14696	2.00	1.84	
82 1,3-Dichloropropane	76	6.510	6.510	0.000	96	22262	2.00	1.92	
80 2-Hexanone	43	6.552	6.552	0.000	99	88364	10.0	9.95	
83 Chlorodibromomethane	129	6.697	6.697	0.000	88	15333	2.00	1.87	
84 Ethylene Dibromide	107	6.769	6.780	-0.011	95	15600	2.00	2.13	
87 Chlorobenzene	112	7.132	7.132	0.000	96	45475	2.00	1.96	
88 Ethylbenzene	91	7.194	7.194	0.000	98	65840	2.00	1.76	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	89	15013	2.00	1.84	
90 m-Xylene & p-Xylene	106	7.277	7.277	0.000	96	27251	2.00	1.87	
91 o-Xylene	106	7.598	7.598	0.000	97	24760	2.00	1.61	
92 Styrene	104	7.619	7.619	0.000	94	43190	2.00	1.77	
95 Bromoform	173	7.816	7.816	0.000	93	8854	2.00	1.73	
94 Isopropylbenzene	105	7.889	7.889	0.000	95	71311	2.00	1.78	
101 Bromobenzene	156	8.168	8.168	0.000	95	18878	2.00	1.91	
97 1,1,2,2-Tetrachloroethane	83	8.189	8.189	0.000	95	25223	2.00	1.92	
99 N-Propylbenzene	91	8.210	8.220	-0.010	98	83865	2.00	1.81	
100 1,2,3-Trichloropropane	110	8.231	8.220	0.011	91	10299	2.00	2.22	
98 trans-1,4-Dichloro-2-butene	53	8.231	8.231	0.000	70	6788	2.00	1.67	
103 2-Chlorotoluene	126	8.303	8.303	0.000	96	17627	2.00	1.78	
102 1,3,5-Trimethylbenzene	105	8.355	8.355	0.000	94	60506	2.00	1.73	
105 4-Chlorotoluene	126	8.396	8.396	0.000	97	19450	2.00	1.96	
106 tert-Butylbenzene	134	8.614	8.614	0.000	91	13843	2.00	2.05	
107 1,2,4-Trimethylbenzene	105	8.666	8.666	0.000	97	63120	2.00	1.75	

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	8.790	8.800	-0.010	94	78119	2.00	1.99	
110 4-Isopropyltoluene	119	8.915	8.914	0.000	97	70368	2.00	2.02	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	97	40925	2.00	1.91	
113 1,4-Dichlorobenzene	146	8.997	8.997	0.000	95	44294	2.00	2.00	
115 n-Butylbenzene	91	9.246	9.246	0.000	96	62202	2.00	1.71	
116 1,2-Dichlorobenzene	146	9.308	9.308	0.000	97	43108	2.00	1.94	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	80	5036	2.00	1.85	
119 1,2,4-Trichlorobenzene	180	10.624	10.624	0.000	93	31224	2.00	1.91	
120 Hexachlorobutadiene	225	10.728	10.728	0.000	94	11946	2.00	1.74	
121 Naphthalene	128	10.842	10.842	0.000	97	94309	2.00	1.80	
122 1,2,3-Trichlorobenzene	180	11.029	11.029	0.000	96	31959	2.00	2.04	
S 123 Total BTEX	1				0			8.67	
S 126 1,3-Dichloropropene, Total	1				0			3.59	
S 124 Xylenes, Total	1				0			3.48	
S 125 1,2-Dichloroethene, Total	1				0			3.36	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00212

Amount Added: 2.00

Units: uL

GAS CORP mix_00470

Amount Added: 2.00

Units: uL

C_8260_IS_00157

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_Surr_00174

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7189.D

Injection Date: 01-Sep-2021 15:52:30

Instrument ID: HP5973C

Operator ID: LH

Lims ID: IC 2

Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL

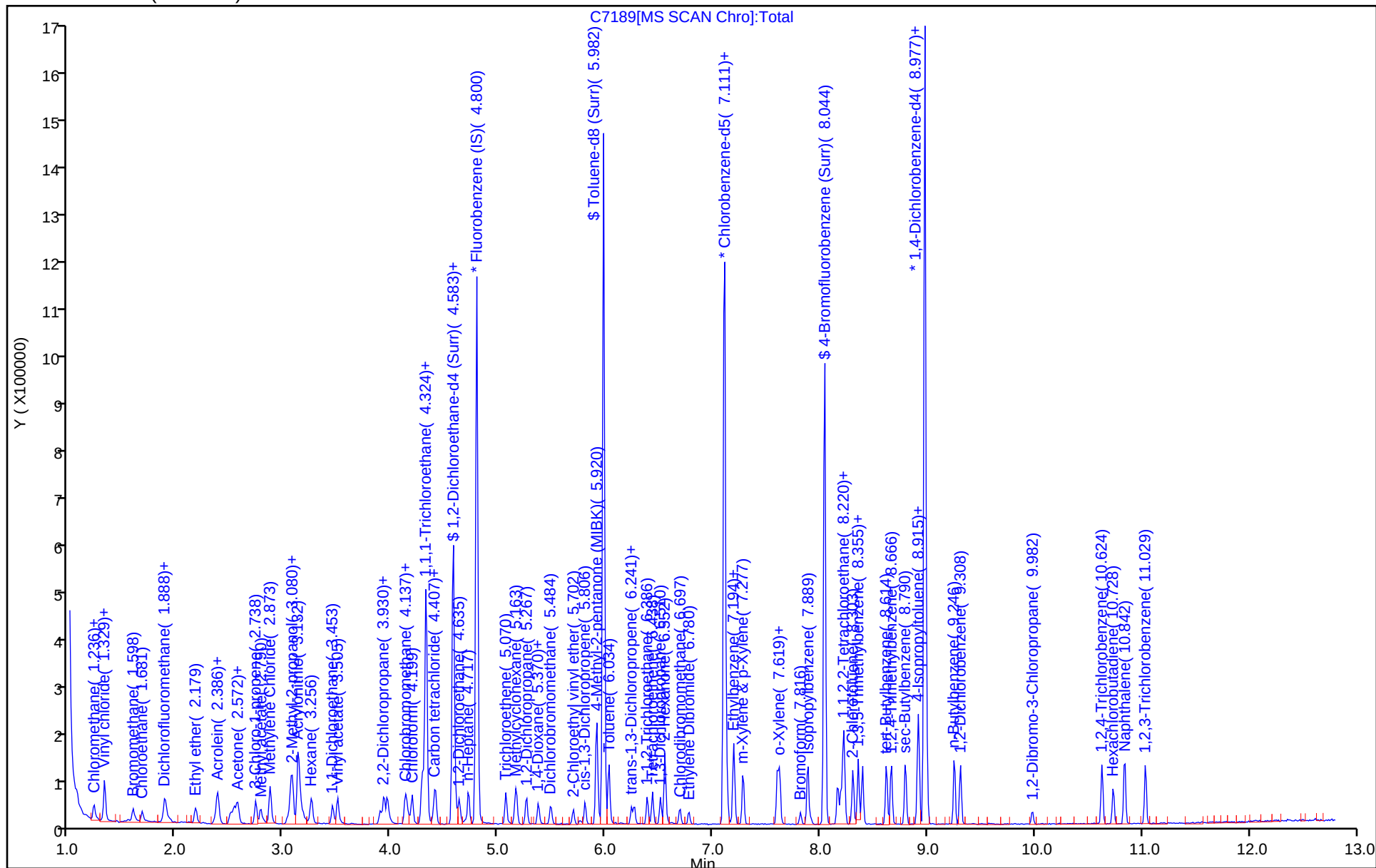
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7190.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 01-Sep-2021 16:15:30 ALS Bottle#: 14 Worklist Smp#: 19
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0100746-019
 Operator ID: LH Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Sep-2021 10:54:23 Calib Date: 01-Sep-2021 21:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7205.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: HillL

Date: 02-Sep-2021 10:01:25

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	4.800	4.800	0.000	98	145376	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	87	296254	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.977	8.977	0.000	96	380404	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.324	4.324	0.000	93	238424	25.0	25.2	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.583	0.000	92	128744	25.0	24.8	
\$ 5 Toluene-d8 (Surr)	98	5.982	5.982	0.000	94	677152	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.044	8.044	0.000	90	195425	25.0	22.9	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	56109	5.00	5.06	
12 Chloromethane	50	1.225	1.225	0.000	100	89993	5.00	5.56	
13 Vinyl chloride	62	1.318	1.318	0.000	97	62929	5.00	5.45	
151 Butadiene	54	1.329	1.329	0.000	92	63885	5.00	5.47	
14 Bromomethane	94	1.598	1.598	0.000	92	38657	5.00	5.19	
15 Chloroethane	64	1.681	1.681	0.000	97	35170	5.00	5.35	
16 Dichlorofluoromethane	67	1.888	1.888	0.000	97	82056	5.00	5.27	
17 Trichlorofluoromethane	101	1.888	1.888	0.000	75	72748	5.00	5.34	
18 Ethyl ether	59	2.178	2.178	0.000	97	44962	5.00	4.96	
20 Acrolein	56	2.365	2.365	0.000	40	13858	25.0	25.6	
21 112TCTFE	101	2.375	2.375	0.000	74	45178	5.00	5.08	
22 1,1-Dichloroethene	96	2.386	2.386	0.000	94	43795	5.00	5.38	
23 Acetone	43	2.510	2.510	0.000	99	128127	25.0	23.6	
25 Iodomethane	142	2.541	2.541	0.000	97	84572	5.00	5.36	
26 Carbon disulfide	76	2.572	2.572	0.000	100	145119	5.00	5.02	
28 3-Chloro-1-propene	41	2.738	2.738	0.000	89	93376	5.00	5.23	
27 Methyl acetate	43	2.790	2.790	0.000	100	119664	10.0	9.79	
30 Methylene Chloride	84	2.873	2.873	0.000	95	58090	5.00	4.89	
31 2-Methyl-2-propanol	59	3.039	3.039	0.000	97	55309	50.0	45.5	
32 Methyl tert-butyl ether	73	3.070	3.070	0.000	95	130030	5.00	5.02	
34 trans-1,2-Dichloroethene	96	3.080	3.080	0.000	95	50714	5.00	5.45	
33 Acrylonitrile	53	3.132	3.132	0.000	100	352387	50.0	51.1	
35 Hexane	57	3.256	3.256	0.000	96	68236	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	3.453	3.453	0.000	97	91799	5.00	5.42	
37 Vinyl acetate	43	3.505	3.505	0.000	97	171964	10.0	9.24	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	74	25646	5.00	4.40	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	80	56151	5.00	5.47	
43 2-Butanone (MEK)	43	3.961	3.961	0.000	98	165883	25.0	23.3	
48 Chlorobromomethane	128	4.137	4.137	0.000	93	30177	5.00	5.25	
49 Tetrahydrofuran	42	4.147	4.147	0.000	93	52919	10.0	9.40	
50 Chloroform	83	4.199	4.199	0.000	95	83857	5.00	4.97	
52 Cyclohexane	56	4.293	4.293	0.000	93	100882	5.00	5.17	
51 1,1,1-Trichloroethane	97	4.293	4.293	0.000	94	60993	5.00	4.84	
55 Carbon tetrachloride	117	4.407	4.407	0.000	96	52068	5.00	4.85	
54 1,1-Dichloropropene	75	4.417	4.417	0.000	93	56153	5.00	5.19	
57 Benzene	78	4.583	4.583	0.000	75	165187	5.00	5.32	
53 Isobutyl alcohol	43	4.593	4.593	0.000	94	53725	125.0	108.8	
58 1,2-Dichloroethane	62	4.635	4.635	0.000	96	66247	5.00	4.97	
59 n-Heptane	43	4.717	4.717	0.000	96	81605	5.00	5.07	
62 Trichloroethene	95	5.070	5.070	0.000	92	43553	5.00	5.24	
64 Methylcyclohexane	83	5.173	5.173	0.000	96	71783	5.00	4.79	
65 1,2-Dichloropropane	63	5.256	5.256	0.000	89	41724	5.00	5.03	
67 Dibromomethane	93	5.370	5.370	0.000	94	31642	5.00	5.33	
66 1,4-Dioxane	88	5.370	5.370	0.000	0	8389	100.0	90.1	M
68 Dichlorobromomethane	83	5.484	5.484	0.000	96	53492	5.00	5.14	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	91	24996	5.00	5.06	
72 cis-1,3-Dichloropropene	75	5.806	5.806	0.000	92	46325	5.00	4.76	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	354944	25.0	24.7	
74 Toluene	92	6.034	6.034	0.000	99	103804	5.00	5.44	
77 trans-1,3-Dichloropropene	75	6.241	6.241	0.000	96	32976	5.00	4.49	
75 Ethyl methacrylate	69	6.272	6.272	0.000	96	36701	5.00	4.86	
79 1,1,2-Trichloroethane	83	6.386	6.386	0.000	92	30234	5.00	5.11	
81 Tetrachloroethene	166	6.438	6.438	0.000	95	43833	5.00	5.24	
82 1,3-Dichloropropane	76	6.510	6.510	0.000	97	57960	5.00	5.22	
80 2-Hexanone	43	6.552	6.552	0.000	100	209471	25.0	24.6	
83 Chlorodibromomethane	129	6.697	6.697	0.000	91	38819	5.00	4.94	
84 Ethylene Dibromide	107	6.780	6.780	0.000	94	35442	5.00	5.05	
87 Chlorobenzene	112	7.132	7.132	0.000	95	121503	5.00	5.46	
88 Ethylbenzene	91	7.194	7.194	0.000	98	187985	5.00	5.24	
89 1,1,1,2-Tetrachloroethane	131	7.194	7.194	0.000	92	39731	5.00	5.07	
90 m-Xylene & p-Xylene	106	7.277	7.277	0.000	96	72246	5.00	5.16	
91 o-Xylene	106	7.598	7.598	0.000	98	79631	5.00	5.42	
92 Styrene	104	7.619	7.619	0.000	97	121413	5.00	5.19	
95 Bromoform	173	7.816	7.816	0.000	91	24218	5.00	4.93	
94 Isopropylbenzene	105	7.889	7.889	0.000	96	197151	5.00	4.83	
101 Bromobenzene	156	8.168	8.168	0.000	91	54825	5.00	5.43	
97 1,1,2,2-Tetrachloroethane	83	8.189	8.189	0.000	93	63916	5.00	4.79	
99 N-Propylbenzene	91	8.220	8.220	0.000	98	238193	5.00	5.05	
100 1,2,3-Trichloropropane	110	8.230	8.230	0.000	90	22750	5.00	4.82	
98 trans-1,4-Dichloro-2-butene	53	8.230	8.230	0.000	73	19556	5.00	4.73	
103 2-Chlorotoluene	126	8.303	8.303	0.000	97	53839	5.00	5.34	
102 1,3,5-Trimethylbenzene	105	8.355	8.355	0.000	95	176069	5.00	4.95	
105 4-Chlorotoluene	126	8.396	8.396	0.000	97	51371	5.00	5.08	
106 tert-Butylbenzene	134	8.624	8.624	0.000	93	39288	5.00	4.82	
107 1,2,4-Trimethylbenzene	105	8.666	8.666	0.000	96	180583	5.00	4.91	

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	8.790	8.790	0.000	94	237860	5.00	4.99	
110 4-Isopropyltoluene	119	8.914	8.914	0.000	97	200344	5.00	4.80	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	98	114707	5.00	5.26	
113 1,4-Dichlorobenzene	146	8.997	8.997	0.000	95	115163	5.00	5.11	
115 n-Butylbenzene	91	9.246	9.246	0.000	98	181668	5.00	4.91	
116 1,2-Dichlorobenzene	146	9.308	9.308	0.000	97	115662	5.00	5.12	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	81	10969	5.00	3.95	
119 1,2,4-Trichlorobenzene	180	10.624	10.624	0.000	95	78076	5.00	4.69	
120 Hexachlorobutadiene	225	10.728	10.728	0.000	95	36660	5.00	5.26	
121 Naphthalene	128	10.842	10.842	0.000	97	249150	5.00	4.67	
122 1,2,3-Trichlorobenzene	180	11.029	11.029	0.000	96	83894	5.00	5.25	
S 123 Total BTEX	1				0			26.6	
S 126 1,3-Dichloropropene, Total	1				0			9.25	
S 124 Xylenes, Total	1				0			10.6	
S 125 1,2-Dichloroethene, Total	1				0			10.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00212

Amount Added: 5.00

Units: uL

GAS CORP mix_00470

Amount Added: 5.00

Units: uL

C_8260_IS_00157

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_Surr_00174

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7190.D

Injection Date: 01-Sep-2021 16:15:30

Instrument ID: HP5973C

Operator ID: LH

Lims ID: IC 3

Worklist Smp#: 19

Client ID:

Purge Vol: 5.000 mL

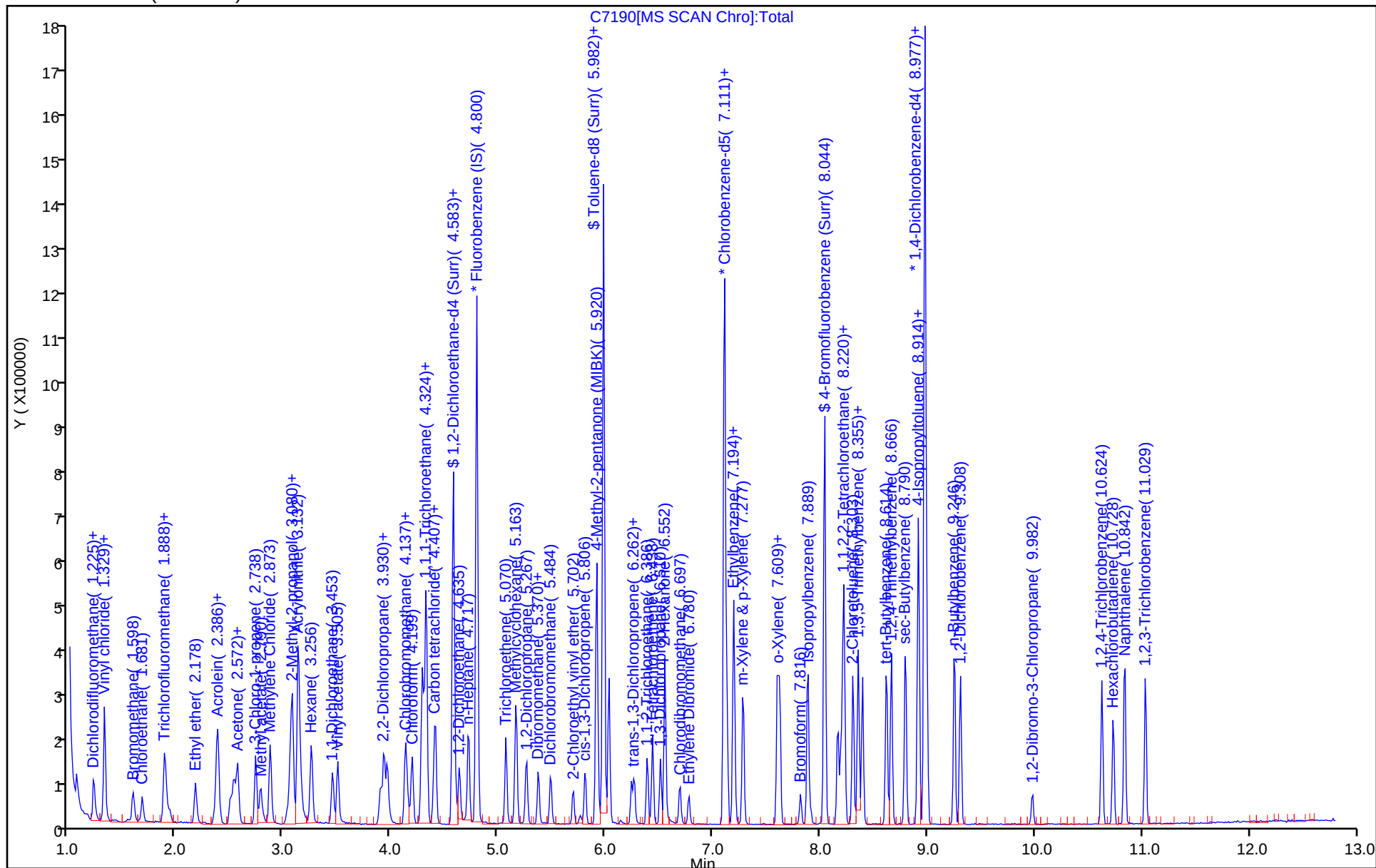
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7190.D

Injection Date: 01-Sep-2021 16:15:30

Instrument ID: HP5973C

Lims ID: IC 3

Client ID:

Operator ID: LH

ALS Bottle#:

14

Worklist Smp#: 19

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

MS SCAN

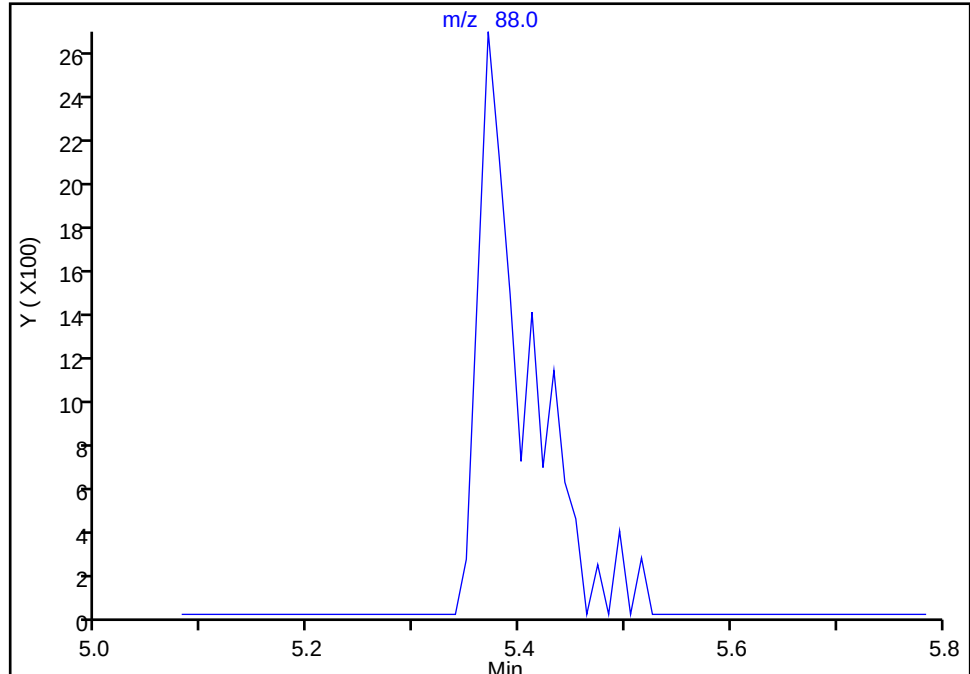
66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

Not Detected

Expected RT: 5.37

Processing Integration Results



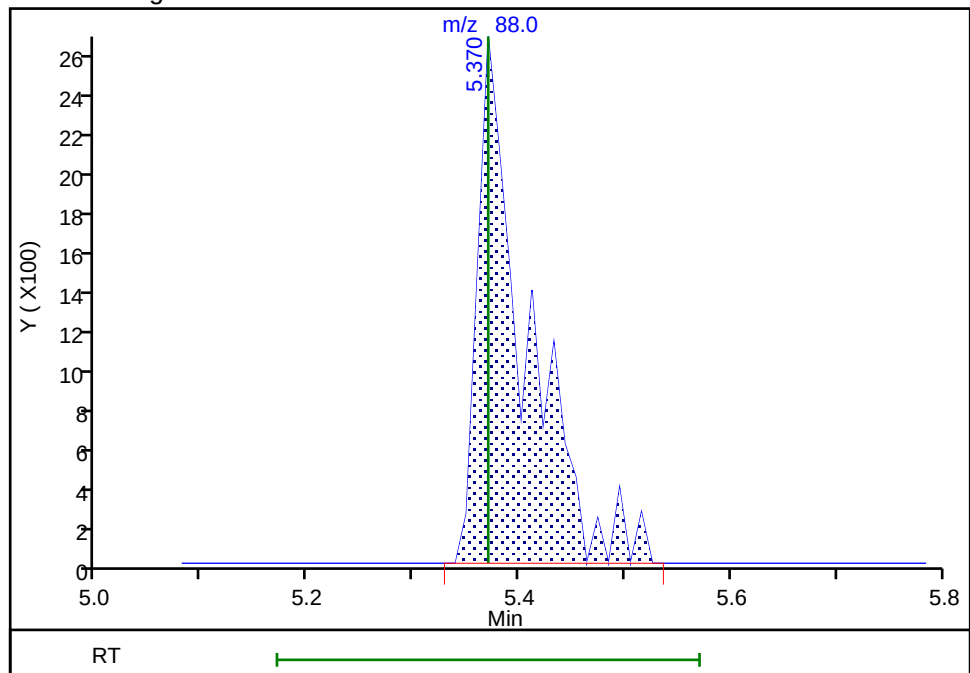
RT: 5.37

Area: 8389

Amount: 90.134327

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Sep-2021 10:01:11

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7191.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 01-Sep-2021 16:38:30 ALS Bottle#: 15 Worklist Smp#: 20
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0100746-020
 Operator ID: LH Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Sep-2021 10:54:27 Calib Date: 01-Sep-2021 21:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7205.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: HillL

Date: 02-Sep-2021 10:02:15

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	4.800	4.800	0.000	99	148941	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	87	311071	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.977	8.977	0.000	95	385638	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.324	4.324	0.000	93	244358	25.0	25.2	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.583	0.000	81	132093	25.0	24.8	
\$ 5 Toluene-d8 (Surr)	98	5.982	5.982	0.000	94	734547	25.0	25.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.044	8.044	0.000	91	236353	25.0	26.4	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	114799	10.0	10.1	
12 Chloromethane	50	1.225	1.225	0.000	99	179265	10.0	10.8	
13 Vinyl chloride	62	1.319	1.318	0.001	98	123080	10.0	10.4	
151 Butadiene	54	1.329	1.329	0.000	93	121450	10.0	10.1	
14 Bromomethane	94	1.588	1.598	-0.010	91	76587	10.0	10.0	
15 Chloroethane	64	1.681	1.681	0.000	97	67866	10.0	10.1	
16 Dichlorofluoromethane	67	1.888	1.888	0.000	97	162718	10.0	10.2	
17 Trichlorofluoromethane	101	1.888	1.888	0.000	98	137721	10.0	9.87	
18 Ethyl ether	59	2.179	2.178	0.001	99	88165	10.0	9.49	
20 Acrolein	56	2.355	2.365	-0.010	99	25691	50.0	46.3	
21 112TCTFE	101	2.376	2.375	0.001	93	84653	10.0	8.90	
22 1,1-Dichloroethene	96	2.386	2.386	0.000	94	81483	10.0	9.77	
23 Acetone	43	2.510	2.510	0.000	98	260508	50.0	46.8	
25 Iodomethane	142	2.531	2.541	-0.010	100	160742	10.0	9.94	
26 Carbon disulfide	76	2.562	2.572	-0.010	100	280235	10.0	9.02	
28 3-Chloro-1-propene	41	2.738	2.738	0.000	90	180358	10.0	9.87	
27 Methyl acetate	43	2.780	2.790	-0.010	100	236588	20.0	18.9	
30 Methylene Chloride	84	2.873	2.873	0.000	96	107894	10.0	9.32	
31 2-Methyl-2-propanol	59	3.039	3.039	0.000	97	109657	100.0	88.1	
32 Methyl tert-butyl ether	73	3.070	3.070	0.000	96	264206	10.0	9.96	
34 trans-1,2-Dichloroethene	96	3.080	3.080	0.000	95	97023	10.0	10.2	
33 Acrylonitrile	53	3.132	3.132	0.000	100	694729	100.0	98.4	
35 Hexane	57	3.256	3.256	0.000	96	133044	10.0	8.84	

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	3.453	3.453	0.000	97	178421	10.0	10.3	
37 Vinyl acetate	43	3.505	3.505	0.000	97	375007	20.0	19.7	
44 2,2-Dichloropropane	77	3.899	3.909	-0.010	77	60313	10.0	9.27	
45 cis-1,2-Dichloroethene	96	3.930	3.940	-0.010	82	108124	10.0	10.3	
43 2-Butanone (MEK)	43	3.961	3.961	0.000	98	361186	50.0	49.6	
48 Chlorobromomethane	128	4.137	4.137	0.000	95	58923	10.0	10.0	
49 Tetrahydrofuran	42	4.148	4.147	0.001	93	108412	20.0	18.8	
50 Chloroform	83	4.199	4.199	0.000	95	165166	10.0	9.55	
52 Cyclohexane	56	4.293	4.293	0.000	95	188575	10.0	8.96	
51 1,1,1-Trichloroethane	97	4.293	4.293	0.000	96	117301	10.0	8.58	
55 Carbon tetrachloride	117	4.407	4.407	0.000	95	103281	10.0	8.88	
54 1,1-Dichloropropene	75	4.417	4.417	0.000	92	107316	10.0	9.69	
57 Benzene	78	4.583	4.583	0.000	91	328566	10.0	10.3	
53 Isobutyl alcohol	43	4.593	4.593	0.000	91	112049	250.0	210.1	
58 1,2-Dichloroethane	62	4.635	4.635	0.001	95	134389	10.0	9.84	
59 n-Heptane	43	4.718	4.717	0.001	96	167228	10.0	10.1	
62 Trichloroethene	95	5.070	5.070	0.000	95	85316	10.0	10.0	
64 Methylcyclohexane	83	5.163	5.173	-0.010	96	146878	10.0	8.90	
65 1,2-Dichloropropane	63	5.256	5.256	0.000	92	88014	10.0	10.4	
67 Dibromomethane	93	5.370	5.370	0.000	96	61229	10.0	10.1	
66 1,4-Dioxane	88	5.370	5.370	0.000	88	20801	200.0	207.2	
68 Dichlorobromomethane	83	5.484	5.484	0.000	98	108251	10.0	10.2	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	92	55671	10.0	11.0	
72 cis-1,3-Dichloropropene	75	5.806	5.806	0.000	91	96462	10.0	9.67	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	751549	50.0	49.7	
74 Toluene	92	6.034	6.034	0.000	99	202574	10.0	10.1	
77 trans-1,3-Dichloropropene	75	6.241	6.241	0.000	97	72222	10.0	8.79	
75 Ethyl methacrylate	69	6.272	6.272	0.000	97	79975	10.0	10.1	
79 1,1,2-Trichloroethane	83	6.386	6.386	0.000	93	66740	10.0	10.7	
81 Tetrachloroethene	166	6.438	6.438	0.000	93	81181	10.0	9.08	
82 1,3-Dichloropropane	76	6.510	6.510	0.000	96	119897	10.0	10.3	
80 2-Hexanone	43	6.552	6.552	0.000	99	468247	50.0	52.4	
83 Chlorodibromomethane	129	6.697	6.697	0.000	90	82760	10.0	10.0	
84 Ethylene Dibromide	107	6.780	6.780	0.000	98	74251	10.0	10.1	
87 Chlorobenzene	112	7.132	7.132	0.000	95	237617	10.0	10.2	
88 Ethylbenzene	91	7.194	7.194	0.000	99	387422	10.0	10.3	
89 1,1,1,2-Tetrachloroethane	131	7.194	7.194	0.000	92	81371	10.0	9.89	
90 m-Xylene & p-Xylene	106	7.288	7.277	0.011	97	153327	10.0	10.4	
91 o-Xylene	106	7.599	7.598	0.001	98	155167	10.0	10.1	
92 Styrene	104	7.619	7.619	0.000	96	246825	10.0	10.0	
95 Bromoform	173	7.816	7.816	0.000	95	50739	10.0	9.83	
94 Isopropylbenzene	105	7.889	7.889	0.001	96	404244	10.0	9.77	
101 Bromobenzene	156	8.168	8.168	0.000	93	104485	10.0	10.2	
97 1,1,2,2-Tetrachloroethane	83	8.189	8.189	0.000	95	135894	10.0	10.0	
99 N-Propylbenzene	91	8.220	8.220	0.000	99	488051	10.0	10.2	
98 trans-1,4-Dichloro-2-butene	53	8.231	8.230	0.001	74	41841	10.0	9.98	
100 1,2,3-Trichloropropane	110	8.231	8.230	0.001	92	44254	10.0	9.25	
103 2-Chlorotoluene	126	8.303	8.303	0.000	97	105020	10.0	10.3	
102 1,3,5-Trimethylbenzene	105	8.355	8.355	0.000	94	363181	10.0	10.1	
105 4-Chlorotoluene	126	8.396	8.396	0.000	97	109202	10.0	10.7	
106 tert-Butylbenzene	134	8.614	8.624	-0.010	94	76289	10.0	8.78	
107 1,2,4-Trimethylbenzene	105	8.666	8.666	0.000	96	380064	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	8.790	8.790	0.000	94	460565	10.0	9.08	
110 4-Isopropyltoluene	119	8.915	8.914	0.001	98	414511	10.0	9.30	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	98	230884	10.0	10.5	
113 1,4-Dichlorobenzene	146	8.998	8.997	0.001	96	235268	10.0	10.3	
115 n-Butylbenzene	91	9.246	9.246	0.000	98	379896	10.0	10.1	
116 1,2-Dichlorobenzene	146	9.308	9.308	0.000	98	232195	10.0	10.1	
117 1,2-Dibromo-3-Chloropropane	75	9.972	9.982	-0.010	82	26916	10.0	9.55	
119 1,2,4-Trichlorobenzene	180	10.625	10.624	0.001	94	163534	10.0	9.70	
120 Hexachlorobutadiene	225	10.728	10.728	0.000	96	68261	10.0	9.65	
121 Naphthalene	128	10.842	10.842	0.000	97	536212	10.0	9.91	
122 1,2,3-Trichlorobenzene	180	11.029	11.029	0.001	96	165778	10.0	10.2	
S 123 Total BTEX	1				0			51.2	
S 126 1,3-Dichloropropene, Total	1				0			18.5	
S 124 Xylenes, Total	1				0			20.5	
S 125 1,2-Dichloroethene, Total	1				0			20.5	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00212

Amount Added: 5.00

Units: uL

GAS CORP mix_00470

Amount Added: 5.00

Units: uL

C_8260_IS_00157

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_Surr_00174

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7191.D

Injection Date: 01-Sep-2021 16:38:30

Instrument ID: HP5973C

Lims ID: IC 4

Operator ID: LH

Client ID:

Worklist Smp#: 20

Purge Vol: 5.000 mL

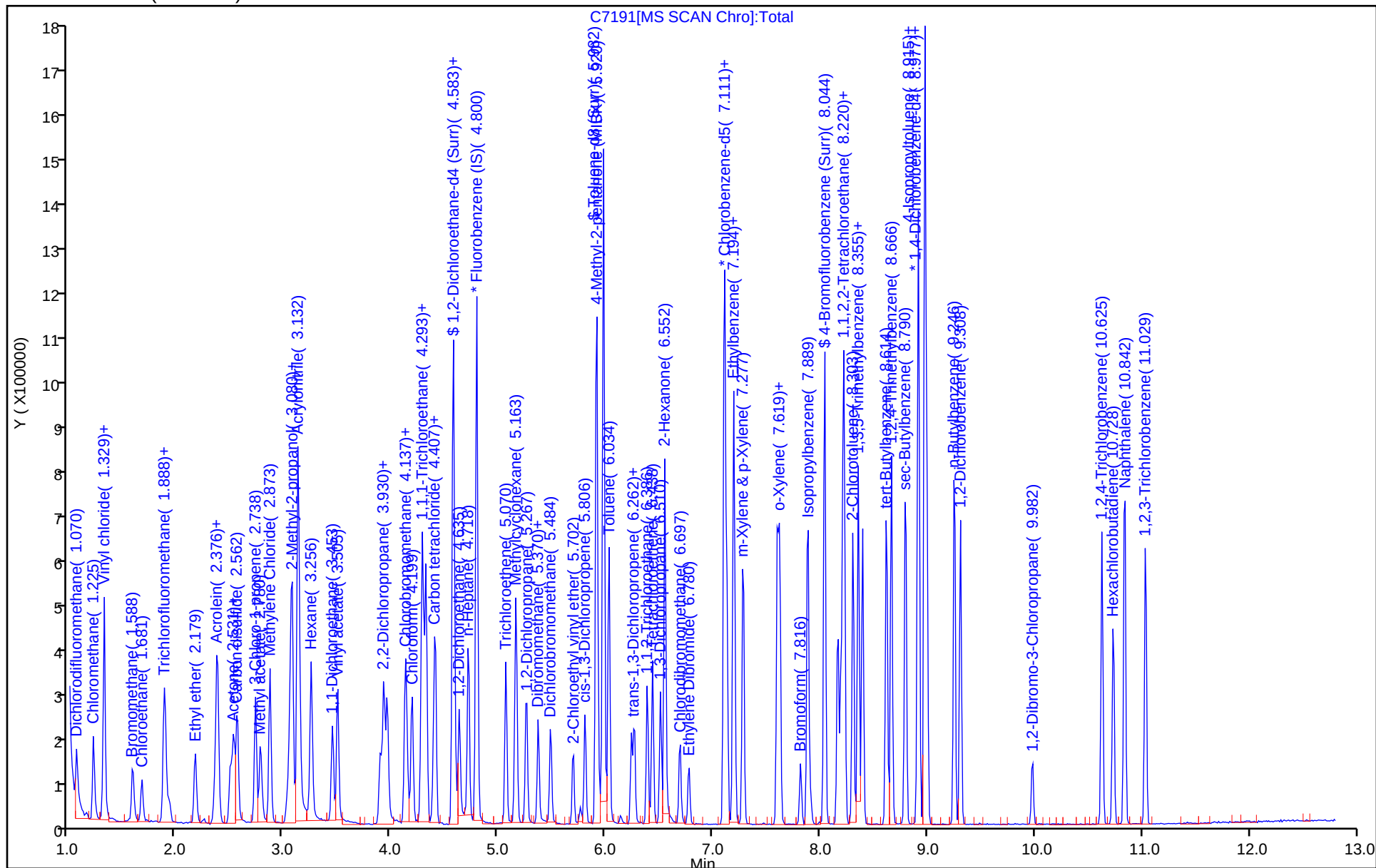
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7192.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 01-Sep-2021 17:01:30 ALS Bottle#: 16 Worklist Smp#: 21
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0100746-021
 Operator ID: LH Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Sep-2021 10:54:32 Calib Date: 01-Sep-2021 21:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7205.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: HillL

Date: 02-Sep-2021 10:03:09

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	4.800	4.800	0.000	99	146070	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	86	307186	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.977	8.977	0.000	95	372807	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.324	4.324	0.000	92	241628	25.0	25.4	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.583	0.000	90	136546	25.0	26.2	
\$ 5 Toluene-d8 (Surr)	98	5.982	5.982	0.000	94	702561	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.044	8.044	0.000	91	219388	25.0	24.8	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	296365	25.0	26.6	
12 Chloromethane	50	1.225	1.225	0.000	98	396392	25.0	24.4	
13 Vinyl chloride	62	1.318	1.318	0.000	96	303839	25.0	26.2	
151 Butadiene	54	1.329	1.329	0.000	94	305490	25.0	26.0	
14 Bromomethane	94	1.598	1.598	0.000	92	164533	25.0	22.0	
15 Chloroethane	64	1.681	1.681	0.000	97	166749	25.0	25.2	
16 Dichlorofluoromethane	67	1.888	1.888	0.000	98	390028	25.0	24.9	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	98	355512	25.0	26.0	
18 Ethyl ether	59	2.179	2.179	0.000	99	233393	25.0	25.6	
20 Acrolein	56	2.355	2.355	0.000	99	70331	125.0	129.1	
21 112TCTFE	101	2.375	2.375	0.000	93	232065	25.0	24.0	
22 1,1-Dichloroethene	96	2.386	2.386	0.000	95	213962	25.0	26.2	
23 Acetone	43	2.510	2.510	0.000	98	728200	125.0	133.5	
25 Iodomethane	142	2.541	2.541	0.000	99	406984	25.0	25.7	
26 Carbon disulfide	76	2.572	2.572	0.000	100	729522	25.0	23.1	
28 3-Chloro-1-propene	41	2.738	2.738	0.000	90	469266	25.0	26.2	
27 Methyl acetate	43	2.780	2.780	0.000	100	602792	50.0	49.1	
30 Methylene Chloride	84	2.873	2.873	0.000	96	266697	25.0	24.3	
31 2-Methyl-2-propanol	59	3.039	3.039	0.000	98	356575	250.0	292.1	
32 Methyl tert-butyl ether	73	3.070	3.070	0.000	97	667847	25.0	25.7	
34 trans-1,2-Dichloroethene	96	3.080	3.080	0.000	95	254386	25.0	27.2	
33 Acrylonitrile	53	3.132	3.132	0.000	98	1786796	250.0	258.0	
35 Hexane	57	3.256	3.256	0.000	95	379773	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 1,1-Dichloroethane	63	3.453	3.453	0.000	97	461706	25.0	27.1	
37 Vinyl acetate	43	3.505	3.505	0.000	97	1018354	50.0	54.4	
44 2,2-Dichloropropane	77	3.899	3.899	0.000	78	149182	25.0	22.4	
45 cis-1,2-Dichloroethene	96	3.930	3.930	0.000	81	271339	25.0	26.3	
43 2-Butanone (MEK)	43	3.961	3.961	0.000	98	1012083	125.0	141.8	
48 Chlorobromomethane	128	4.137	4.137	0.000	95	154330	25.0	26.7	
49 Tetrahydrofuran	42	4.147	4.147	0.000	94	275911	50.0	48.8	
50 Chloroform	83	4.199	4.199	0.000	95	430503	25.0	25.4	
52 Cyclohexane	56	4.293	4.293	0.000	95	512904	25.0	23.8	
51 1,1,1-Trichloroethane	97	4.293	4.293	0.000	97	322770	25.0	23.0	
55 Carbon tetrachloride	117	4.407	4.407	0.000	95	267843	25.0	22.6	
54 1,1-Dichloropropene	75	4.417	4.417	0.000	92	299073	25.0	27.5	
57 Benzene	78	4.583	4.583	0.000	95	830771	25.0	26.6	
53 Isobutyl alcohol	43	4.593	4.593	0.000	93	381600	625.0	702.2	
58 1,2-Dichloroethane	62	4.635	4.635	0.000	96	340000	25.0	25.4	
59 n-Heptane	43	4.717	4.717	0.000	97	437891	25.0	27.1	
62 Trichloroethene	95	5.070	5.070	0.000	95	228851	25.0	27.4	
64 Methylcyclohexane	83	5.163	5.163	0.000	96	398349	25.0	23.5	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	93	227626	25.0	27.3	
67 Dibromomethane	93	5.370	5.370	0.000	96	154622	25.0	25.9	
66 1,4-Dioxane	88	5.381	5.381	0.000	37	55551	500.0	553.3	
68 Dichlorobromomethane	83	5.484	5.484	0.000	97	278008	25.0	26.6	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	91	139010	25.0	28.0	
72 cis-1,3-Dichloropropene	75	5.806	5.806	0.000	92	273132	25.0	27.9	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	2000821	125.0	134.0	
74 Toluene	92	6.034	6.034	0.000	98	514996	25.0	26.0	
77 trans-1,3-Dichloropropene	75	6.241	6.241	0.000	94	211958	25.0	25.1	
75 Ethyl methacrylate	69	6.262	6.262	0.000	95	225994	25.0	28.8	
79 1,1,2-Trichloroethane	83	6.386	6.386	0.000	92	154777	25.0	25.2	
81 Tetrachloroethene	166	6.438	6.438	0.000	96	221211	25.0	24.7	
82 1,3-Dichloropropane	76	6.510	6.510	0.000	97	301370	25.0	26.2	
80 2-Hexanone	43	6.552	6.552	0.000	99	1229421	125.0	139.4	
83 Chlorodibromomethane	129	6.697	6.697	0.000	90	215162	25.0	26.4	
84 Ethylene Dibromide	107	6.780	6.780	0.000	98	193554	25.0	26.6	
87 Chlorobenzene	112	7.132	7.132	0.000	96	596177	25.0	25.8	
88 Ethylbenzene	91	7.194	7.194	0.000	98	999738	25.0	26.9	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	93	213342	25.0	26.3	
90 m-Xylene & p-Xylene	106	7.277	7.277	0.000	97	390591	25.0	26.9	
91 o-Xylene	106	7.598	7.598	0.000	98	404834	25.0	26.6	
92 Styrene	104	7.619	7.619	0.000	95	659836	25.0	27.2	
95 Bromoform	173	7.816	7.816	0.000	96	140034	25.0	27.5	
94 Isopropylbenzene	105	7.889	7.889	0.000	96	1091785	25.0	27.3	
101 Bromobenzene	156	8.168	8.168	0.000	93	257574	25.0	26.1	
97 1,1,2,2-Tetrachloroethane	83	8.189	8.189	0.000	95	339013	25.0	25.9	
99 N-Propylbenzene	91	8.220	8.220	0.000	99	1288795	25.0	27.9	
98 trans-1,4-Dichloro-2-butene	53	8.231	8.231	0.000	74	107713	25.0	26.6	
100 1,2,3-Trichloropropane	110	8.220	8.220	0.000	91	109005	25.0	23.6	
103 2-Chlorotoluene	126	8.303	8.303	0.000	97	263713	25.0	26.7	
102 1,3,5-Trimethylbenzene	105	8.355	8.355	0.000	94	939871	25.0	27.0	
105 4-Chlorotoluene	126	8.396	8.396	0.000	97	261938	25.0	26.4	
106 tert-Butylbenzene	134	8.614	8.614	0.000	93	212437	25.0	24.3	
107 1,2,4-Trimethylbenzene	105	8.666	8.666	0.000	97	981090	25.0	27.2	

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	8.800	8.800	0.000	94	1216022	25.0	24.0	
110 4-Isopropyltoluene	119	8.914	8.914	0.000	97	1088672	25.0	24.5	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	99	569475	25.0	26.7	
113 1,4-Dichlorobenzene	146	8.997	8.997	0.000	95	573085	25.0	25.9	
115 n-Butylbenzene	91	9.246	9.246	0.000	97	972043	25.0	26.8	
116 1,2-Dichlorobenzene	146	9.308	9.308	0.000	98	575582	25.0	26.0	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	84	71737	25.0	26.3	
119 1,2,4-Trichlorobenzene	180	10.624	10.624	0.000	94	416611	25.0	25.6	
120 Hexachlorobutadiene	225	10.728	10.728	0.000	97	186914	25.0	27.3	
121 Naphthalene	128	10.842	10.842	0.000	97	1425230	25.0	27.3	
122 1,2,3-Trichlorobenzene	180	11.029	11.029	0.000	97	417575	25.0	26.6	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00212	Amount Added: 12.50	Units: uL	
GAS CORP mix_00470	Amount Added: 12.50	Units: uL	
C_8260_IS_00157	Amount Added: 2.00	Units: uL	Run Reagent
C_8260_Surr_00174	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7192.D

Injection Date: 01-Sep-2021 17:01:30

Instrument ID: HP5973C

Operator ID: LH

Lims ID: ICIS 5

Worklist Smp#: 21

Client ID:

Purge Vol: 5.000 mL

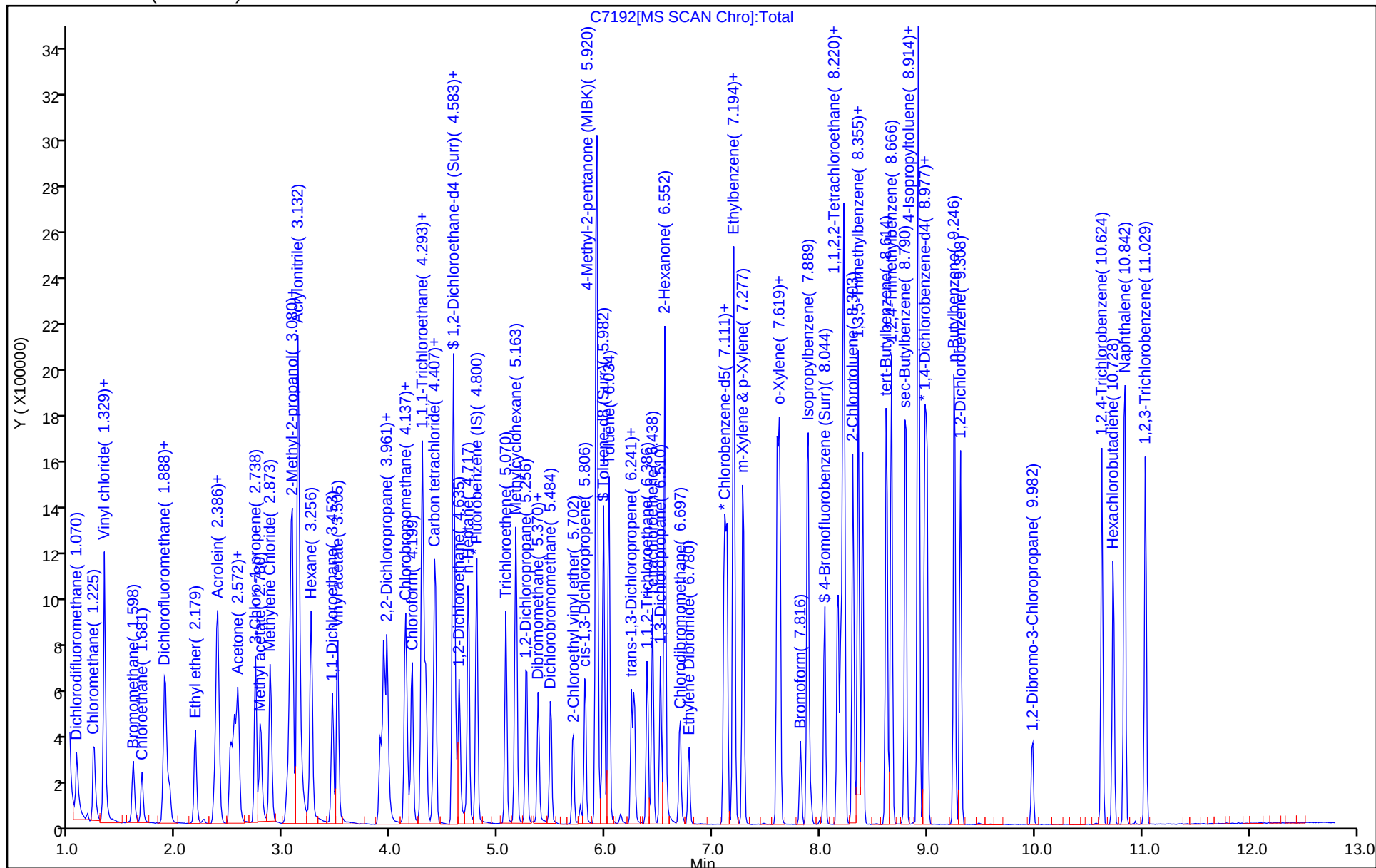
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7193.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 01-Sep-2021 17:23:30 ALS Bottle#: 17 Worklist Smp#: 22
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0100746-022
 Operator ID: LH Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Sep-2021 10:54:36 Calib Date: 01-Sep-2021 21:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7205.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: HillL

Date: 02-Sep-2021 10:04:47

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	4.801	4.800	0.001	99	141187	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.112	7.111	0.001	85	289405	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.977	8.977	0.000	94	358826	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.324	4.324	0.000	92	224984	25.0	24.5	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.583	0.000	48	122275	25.0	24.2	
\$ 5 Toluene-d8 (Surr)	98	5.982	5.982	0.000	93	658912	25.0	24.8	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.044	8.044	0.000	91	217908	25.0	26.1	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	624501	50.0	58.0	
12 Chloromethane	50	1.225	1.225	0.000	99	830440	50.0	52.8	
13 Vinyl chloride	62	1.319	1.318	0.001	98	624334	50.0	55.7	
151 Butadiene	54	1.329	1.329	0.000	93	650683	50.0	57.3	
14 Bromomethane	94	1.598	1.598	0.000	92	357984	50.0	49.5	
15 Chloroethane	64	1.681	1.681	0.000	97	348164	50.0	54.5	
16 Dichlorofluoromethane	67	1.889	1.888	0.001	98	801514	50.0	53.0	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	98	739132	50.0	55.9	
18 Ethyl ether	59	2.179	2.179	0.000	97	468001	50.0	53.1	
20 Acrolein	56	2.355	2.355	0.000	100	140703	250.0	267.2	
21 112TCTFE	101	2.376	2.375	0.001	93	485189	50.0	51.4	
22 1,1-Dichloroethene	96	2.386	2.386	0.000	95	451127	50.0	57.1	
23 Acetone	43	2.510	2.510	0.000	99	1197712	250.0	227.1	
25 Iodomethane	142	2.541	2.541	0.000	99	851121	50.0	55.5	
26 Carbon disulfide	76	2.573	2.572	0.000	100	1575047	50.0	51.1	
28 3-Chloro-1-propene	41	2.738	2.738	0.000	90	976327	50.0	56.4	
27 Methyl acetate	43	2.780	2.780	0.000	100	1141293	100.0	96.2	
30 Methylene Chloride	84	2.873	2.873	0.000	96	524090	50.0	50.1	
31 2-Methyl-2-propanol	59	3.039	3.039	0.000	98	579633	500.0	491.2	
32 Methyl tert-butyl ether	73	3.070	3.070	0.000	98	1411145	50.0	56.1	
34 trans-1,2-Dichloroethene	96	3.080	3.080	0.000	96	521134	50.0	57.7	
33 Acrylonitrile	53	3.132	3.132	0.000	100	3219459	500.0	481.0	
35 Hexane	57	3.256	3.256	0.000	94	779097	50.0	52.0	

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	3.453	3.453	0.000	96	917762	50.0	55.8	
37 Vinyl acetate	43	3.505	3.505	0.000	97	2054565	100.0	113.6	
44 2,2-Dichloropropane	77	3.899	3.899	0.000	83	351217	50.0	53.7	
45 cis-1,2-Dichloroethene	96	3.930	3.930	0.000	81	542250	50.0	54.4	
43 2-Butanone (MEK)	43	3.961	3.961	0.000	98	1717265	250.0	248.9	
48 Chlorobromomethane	128	4.137	4.137	0.000	97	297032	50.0	53.2	
49 Tetrahydrofuran	42	4.148	4.147	0.001	95	500091	100.0	91.5	
50 Chloroform	83	4.200	4.199	0.001	95	839945	50.0	51.2	
51 1,1,1-Trichloroethane	97	4.293	4.293	0.000	97	692350	50.0	50.4	
52 Cyclohexane	56	4.293	4.293	0.000	94	1078061	50.0	51.2	
55 Carbon tetrachloride	117	4.407	4.407	0.000	97	621053	50.0	53.5	
54 1,1-Dichloropropene	75	4.417	4.417	0.000	92	589674	50.0	56.1	
57 Benzene	78	4.583	4.583	0.000	97	1611879	50.0	53.5	
53 Isobutyl alcohol	43	4.593	4.593	0.000	94	647137	1250.0	1223.7	
58 1,2-Dichloroethane	62	4.635	4.635	0.000	96	652122	50.0	50.4	
59 n-Heptane	43	4.718	4.717	0.001	97	883004	50.0	56.5	
62 Trichloroethene	95	5.070	5.070	0.000	95	456546	50.0	56.6	
64 Methylcyclohexane	83	5.163	5.163	0.000	97	857387	50.0	51.4	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	93	441354	50.0	54.8	
67 Dibromomethane	93	5.371	5.370	0.001	96	294242	50.0	51.0	
66 1,4-Dioxane	88	5.371	5.381	-0.010	79	89356	1000.0	941.7	
68 Dichlorobromomethane	83	5.485	5.484	0.001	98	548704	50.0	54.3	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	92	253550	50.0	52.9	
72 cis-1,3-Dichloropropene	75	5.806	5.806	0.000	92	528841	50.0	55.9	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	3752156	250.0	266.8	
74 Toluene	92	6.034	6.034	0.000	97	992924	50.0	53.3	
77 trans-1,3-Dichloropropene	75	6.241	6.241	0.000	94	414623	50.0	51.5	
75 Ethyl methacrylate	69	6.272	6.262	0.010	93	447863	50.0	60.7	
79 1,1,2-Trichloroethane	83	6.386	6.386	0.000	91	303958	50.0	52.6	
81 Tetrachloroethene	166	6.438	6.438	0.000	95	428513	50.0	50.5	
82 1,3-Dichloropropane	76	6.510	6.510	0.000	97	562627	50.0	51.9	
80 2-Hexanone	43	6.552	6.552	0.000	100	2241823	250.0	269.7	
83 Chlorodibromomethane	129	6.697	6.697	0.000	91	416831	50.0	54.3	
84 Ethylene Dibromide	107	6.780	6.780	0.000	100	365130	50.0	53.2	
87 Chlorobenzene	112	7.132	7.132	0.000	96	1176386	50.0	54.1	
88 Ethylbenzene	91	7.194	7.194	0.000	98	1997851	50.0	57.0	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	94	459030	50.0	60.0	
90 m-Xylene & p-Xylene	106	7.277	7.277	0.000	96	793263	50.0	58.0	
91 o-Xylene	106	7.599	7.598	0.001	98	826465	50.0	57.6	
92 Styrene	104	7.619	7.619	0.000	96	1304332	50.0	57.0	
95 Bromoform	173	7.816	7.816	0.000	96	294864	50.0	61.4	
94 Isopropylbenzene	105	7.889	7.889	0.000	95	2268855	50.0	58.9	
101 Bromobenzene	156	8.169	8.168	0.001	93	516445	50.0	54.3	
97 1,1,2,2-Tetrachloroethane	83	8.189	8.189	0.000	95	644731	50.0	51.2	
100 1,2,3-Trichloropropane	110	8.220	8.220	0.000	91	216347	50.0	48.6	
99 N-Propylbenzene	91	8.220	8.220	0.000	99	2640329	50.0	59.3	
98 trans-1,4-Dichloro-2-butene	53	8.231	8.231	0.000	75	209741	50.0	53.8	
103 2-Chlorotoluene	126	8.303	8.303	0.000	97	548083	50.0	57.7	
102 1,3,5-Trimethylbenzene	105	8.355	8.355	0.000	94	1958726	50.0	58.4	
105 4-Chlorotoluene	126	8.397	8.396	0.001	97	536787	50.0	56.3	
106 tert-Butylbenzene	134	8.614	8.614	0.000	93	437884	50.0	51.5	
107 1,2,4-Trimethylbenzene	105	8.666	8.666	0.000	97	2025678	50.0	58.4	

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	8.790	8.800	-0.010	94	2559640	50.0	51.8	
110 4-Isopropyltoluene	119	8.915	8.914	0.001	97	2252146	50.0	52.1	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	98	1122397	50.0	54.6	
113 1,4-Dichlorobenzene	146	8.998	8.997	0.001	95	1139088	50.0	53.5	
115 n-Butylbenzene	91	9.246	9.246	0.000	98	2075212	50.0	59.4	
116 1,2-Dichlorobenzene	146	9.308	9.308	0.000	98	1166690	50.0	54.7	
117 1,2-Dibromo-3-Chloropropane	75	9.972	9.982	-0.010	86	153560	50.0	58.5	
119 1,2,4-Trichlorobenzene	180	10.625	10.624	0.001	95	832863	50.0	53.1	
120 Hexachlorobutadiene	225	10.728	10.728	0.000	97	373267	50.0	56.7	
121 Naphthalene	128	10.842	10.842	0.000	97	2865403	50.0	56.9	
122 1,2,3-Trichlorobenzene	180	11.029	11.029	0.000	97	843775	50.0	55.9	
S 123 Total BTEX	1				0			279.3	
S 126 1,3-Dichloropropene, Total	1				0			107.4	
S 124 Xylenes, Total	1				0			115.6	
S 125 1,2-Dichloroethene, Total	1				0			112.1	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00212

Amount Added: 25.00

Units: uL

GAS CORP mix_00470

Amount Added: 25.00

Units: uL

C_8260_IS_00157

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_Surr_00174

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7193.D

Injection Date: 01-Sep-2021 17:23:30

Instrument ID: HP5973C

Lims ID: IC 6

Operator ID: LH

Client ID:

Worklist Smp#: 22

Purge Vol: 5.000 mL

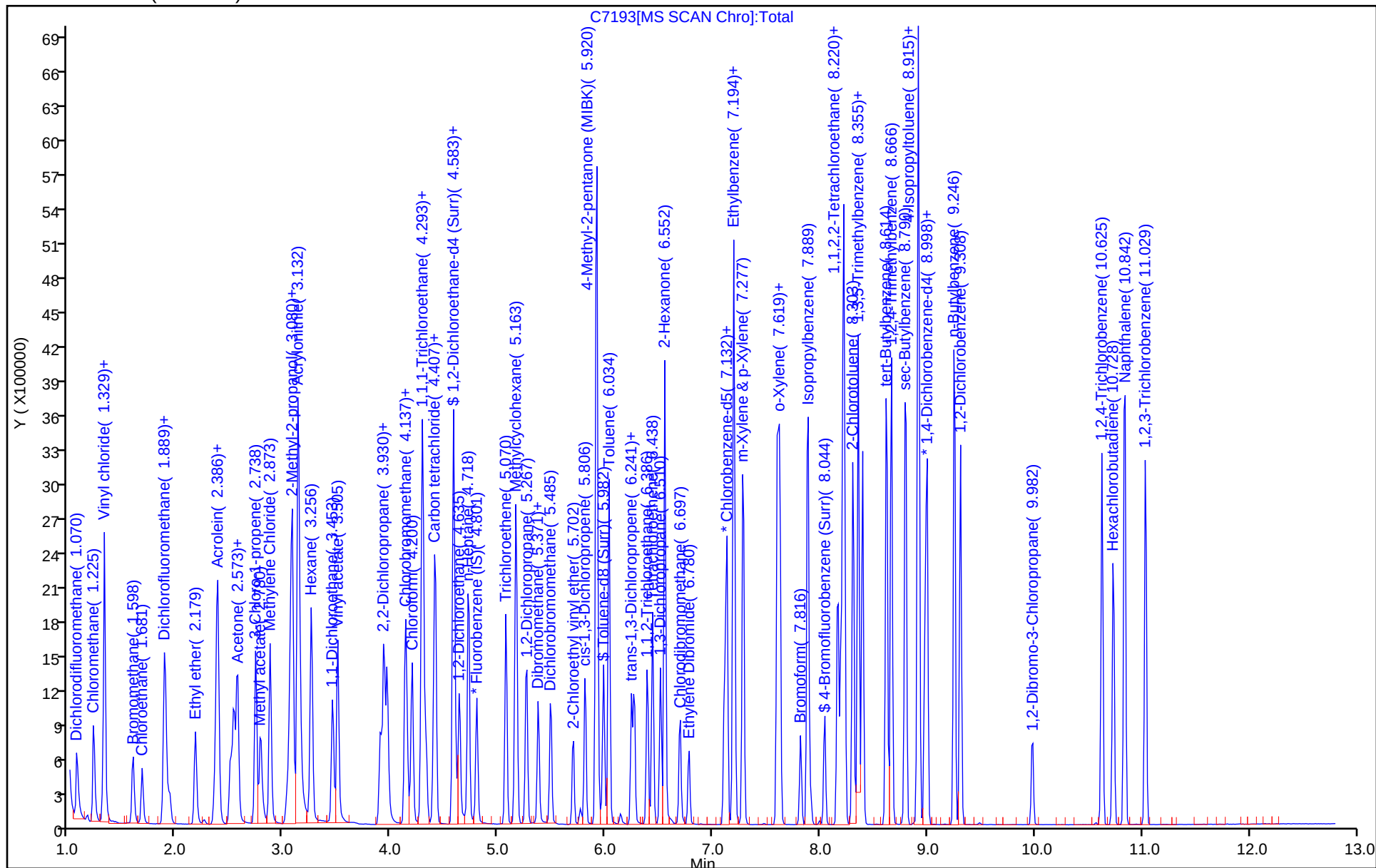
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7194.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 01-Sep-2021 17:46:30 ALS Bottle#: 18 Worklist Smp#: 23
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0100746-023
 Operator ID: LH Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Sep-2021 10:54:40 Calib Date: 01-Sep-2021 21:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7205.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: HillL

Date: 02-Sep-2021 10:05:30

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	4.800	4.800	0.000	99	135034	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	85	280413	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.977	8.977	0.000	94	368450	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.324	4.324	0.000	93	219510	25.0	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.583	0.000	44	114699	25.0	23.8	
\$ 5 Toluene-d8 (Surr)	98	5.982	5.982	0.000	94	660463	25.0	25.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.044	8.044	0.000	89	224780	25.0	27.8	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	1162714	100.0	112.8	
12 Chloromethane	50	1.225	1.225	0.000	99	1600413	100.0	106.4	
13 Vinyl chloride	62	1.318	1.318	0.000	98	1196720	100.0	111.7	
151 Butadiene	54	1.329	1.329	0.000	92	1235595	100.0	113.8	
14 Bromomethane	94	1.588	1.598	-0.010	91	662458	100.0	95.7	
15 Chloroethane	64	1.681	1.681	0.000	98	651106	100.0	106.6	
16 Dichlorofluoromethane	67	1.888	1.888	0.000	97	1616355	100.0	111.8	
17 Trichlorofluoromethane	101	1.888	1.899	-0.011	99	1453793	100.0	114.9	
18 Ethyl ether	59	2.178	2.179	-0.001	98	886954	100.0	105.3	
20 Acrolein	56	2.355	2.355	0.000	99	283028	500.0	562.0	
21 112TCTFE	101	2.375	2.375	0.000	93	912945	100.0	100.6	
22 1,1-Dichloroethene	96	2.386	2.386	0.000	95	862362	100.0	114.0	
23 Acetone	43	2.500	2.510	-0.010	99	2667518	500.0	528.9	
25 Iodomethane	142	2.531	2.541	-0.010	99	1644973	100.0	112.2	
26 Carbon disulfide	76	2.572	2.572	0.000	100	3012693	100.0	101.6	
28 3-Chloro-1-propene	41	2.738	2.738	0.000	90	1893489	100.0	114.3	
27 Methyl acetate	43	2.780	2.780	0.000	99	2287457	200.0	201.5	
30 Methylene Chloride	84	2.873	2.873	0.000	96	1010877	100.0	101.5	
31 2-Methyl-2-propanol	59	3.039	3.039	0.000	98	1660531	1000.0	1471.3	
32 Methyl tert-butyl ether	73	3.070	3.070	0.000	98	2871147	100.0	119.4	
34 trans-1,2-Dichloroethene	96	3.080	3.080	0.000	95	996946	100.0	115.4	
33 Acrylonitrile	53	3.132	3.132	0.000	99	6593303	1000.0	1030.0	
35 Hexane	57	3.256	3.256	0.000	94	1432408	100.0	99.5	

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	3.453	3.453	0.000	97	1741393	100.0	110.6	
37 Vinyl acetate	43	3.505	3.505	0.000	97	4101990	200.0	237.2	
44 2,2-Dichloropropane	77	3.899	3.899	0.000	87	772572	100.0	122.7	
45 cis-1,2-Dichloroethene	96	3.930	3.930	0.000	81	1009325	100.0	105.9	
43 2-Butanone (MEK)	43	3.961	3.961	0.000	98	3544279	500.0	537.1	
48 Chlorobromomethane	128	4.137	4.137	0.000	97	576678	100.0	107.9	
49 Tetrahydrofuran	42	4.147	4.147	0.000	93	980407	200.0	187.5	
50 Chloroform	83	4.199	4.199	0.000	95	1603349	100.0	102.3	
51 1,1,1-Trichloroethane	97	4.293	4.293	0.000	99	1358182	100.0	102.9	
52 Cyclohexane	56	4.293	4.293	0.000	94	2042503	100.0	100.8	
55 Carbon tetrachloride	117	4.407	4.407	0.000	97	1195984	100.0	107.2	
54 1,1-Dichloropropene	75	4.417	4.417	0.000	91	1098824	100.0	109.4	
57 Benzene	78	4.583	4.583	0.000	98	3125159	100.0	108.4	
53 Isobutyl alcohol	43	4.593	4.593	0.000	95	1759148	2500.0	3457.7	
58 1,2-Dichloroethane	62	4.635	4.635	0.000	96	1233214	100.0	99.6	
59 n-Heptane	43	4.717	4.717	0.000	97	1563452	100.0	104.6	
62 Trichloroethene	95	5.070	5.070	0.000	95	860742	100.0	111.5	
64 Methylcyclohexane	83	5.163	5.163	0.000	97	1626075	100.0	101.4	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	93	831740	100.0	108.0	
67 Dibromomethane	93	5.370	5.370	0.000	96	556720	100.0	101.0	
66 1,4-Dioxane	88	5.381	5.381	0.000	96	184713	2000.0	2004.4	
68 Dichlorobromomethane	83	5.484	5.484	0.000	98	1074426	100.0	111.2	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	92	479444	100.0	104.5	
72 cis-1,3-Dichloropropene	75	5.806	5.806	0.000	92	1097075	100.0	121.3	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	7790311	500.0	571.6	
74 Toluene	92	6.034	6.034	0.000	98	1923214	100.0	106.5	
77 trans-1,3-Dichloropropene	75	6.241	6.241	0.000	94	871181	100.0	111.0	
75 Ethyl methacrylate	69	6.272	6.262	0.010	96	932780	100.0	130.4	
79 1,1,2-Trichloroethane	83	6.386	6.386	0.000	93	573014	100.0	102.3	
81 Tetrachloroethene	166	6.438	6.438	0.000	96	830041	100.0	100.7	
82 1,3-Dichloropropane	76	6.510	6.510	0.000	97	1079173	100.0	102.7	
80 2-Hexanone	43	6.552	6.552	0.000	99	4599709	500.0	571.2	
83 Chlorodibromomethane	129	6.697	6.697	0.000	90	844997	100.0	113.6	
84 Ethylene Dibromide	107	6.780	6.780	0.000	96	744017	100.0	111.9	
87 Chlorobenzene	112	7.132	7.132	0.000	96	2282886	100.0	108.3	
88 Ethylbenzene	91	7.194	7.194	0.000	98	3939570	100.0	116.0	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	94	907332	100.0	122.3	
90 m-Xylene & p-Xylene	106	7.287	7.277	0.010	96	1538984	100.0	116.2	
91 o-Xylene	106	7.598	7.598	0.000	98	1656265	100.0	119.1	
92 Styrene	104	7.619	7.619	0.000	96	2647905	100.0	119.5	
95 Bromoform	173	7.816	7.816	0.000	96	632885	100.0	136.0	
94 Isopropylbenzene	105	7.889	7.889	0.000	95	4490125	100.0	113.5	
101 Bromobenzene	156	8.168	8.168	0.000	92	1056141	100.0	108.1	
97 1,1,2,2-Tetrachloroethane	83	8.189	8.189	0.000	94	1319974	100.0	102.0	
100 1,2,3-Trichloropropane	110	8.231	8.220	0.010	88	427401	100.0	93.5	
99 N-Propylbenzene	91	8.220	8.220	0.000	99	5262494	100.0	115.1	
98 trans-1,4-Dichloro-2-butene	53	8.231	8.231	-0.001	76	468269	100.0	116.9	
103 2-Chlorotoluene	126	8.303	8.303	0.000	97	1057954	100.0	108.4	
102 1,3,5-Trimethylbenzene	105	8.355	8.355	0.000	94	3849473	100.0	111.8	
105 4-Chlorotoluene	126	8.396	8.396	0.000	97	1073307	100.0	109.6	
106 tert-Butylbenzene	134	8.614	8.614	0.000	93	879506	100.0	100.3	
107 1,2,4-Trimethylbenzene	105	8.666	8.666	0.000	97	3961557	100.0	111.2	

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	8.800	8.800	0.000	94	5098884	100.0	100.1	
110 4-Isopropyltoluene	119	8.914	8.914	0.000	97	4428556	100.0	99.3	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	98	2240269	100.0	106.2	
113 1,4-Dichlorobenzene	146	8.997	8.997	0.000	96	2290327	100.0	104.9	
115 n-Butylbenzene	91	9.246	9.246	0.000	98	4051787	100.0	113.0	
116 1,2-Dichlorobenzene	146	9.308	9.308	0.000	98	2256700	100.0	103.1	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	86	328153	100.0	121.9	
119 1,2,4-Trichlorobenzene	180	10.624	10.624	0.000	95	1696336	100.0	105.3	
120 Hexachlorobutadiene	225	10.728	10.728	0.000	98	749520	100.0	110.9	
121 Naphthalene	128	10.842	10.842	0.000	97	5939033	100.0	114.9	
122 1,2,3-Trichlorobenzene	180	11.029	11.029	0.000	97	1680897	100.0	108.5	
S 123 Total BTEX	1				0			566.2	
S 126 1,3-Dichloropropene, Total	1				0			232.3	
S 124 Xylenes, Total	1				0			235.2	
S 125 1,2-Dichloroethene, Total	1				0			221.3	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00212

Amount Added: 50.00

Units: uL

GAS CORP mix_00470

Amount Added: 50.00

Units: uL

C_8260_IS_00157

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_Surr_00174

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7194.D

Injection Date: 01-Sep-2021 17:46:30

Instrument ID: HP5973C

Operator ID: LH

Lims ID: IC 7

Worklist Smp#: 23

Client ID:

Purge Vol: 5.000 mL

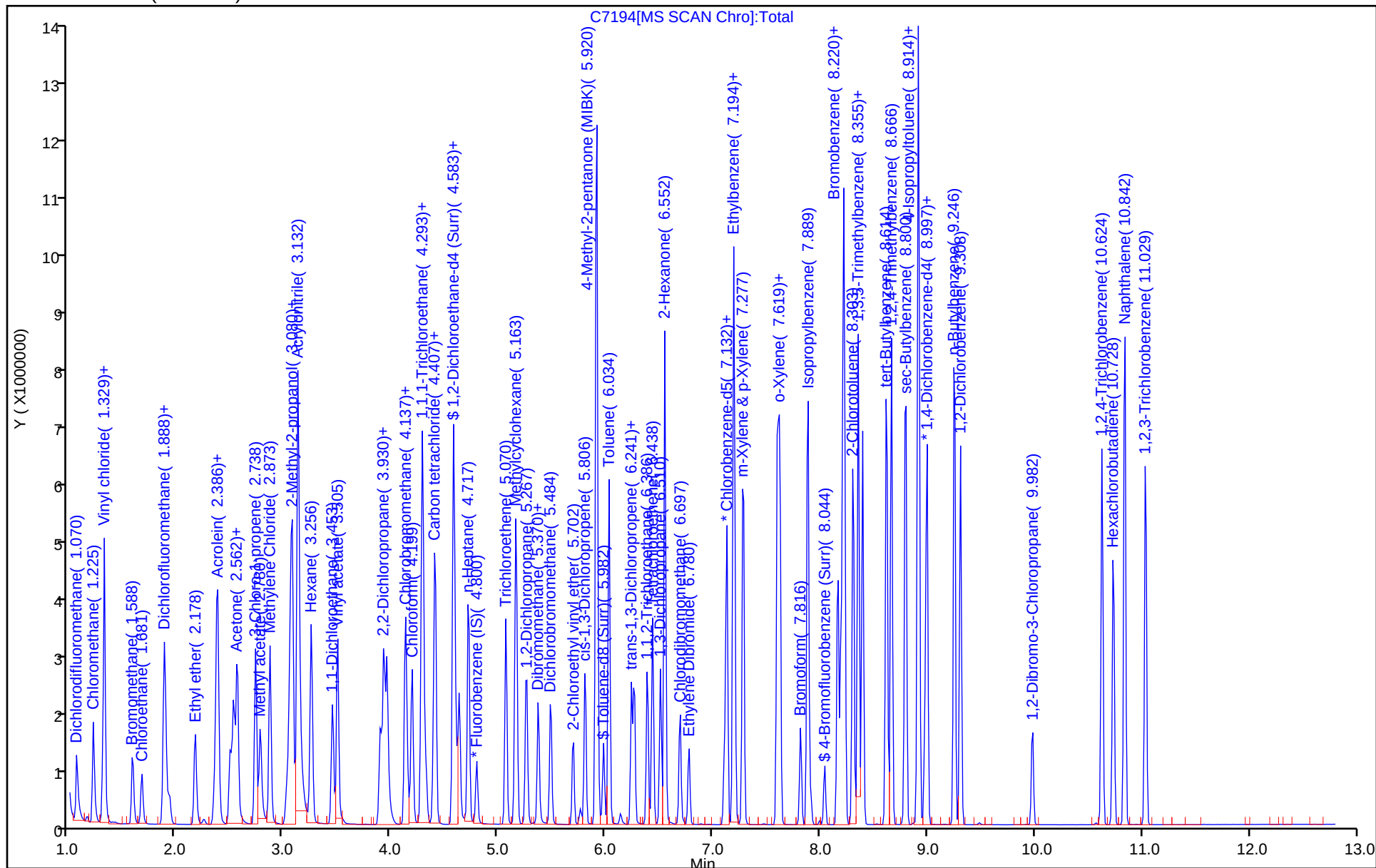
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: C-8260

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

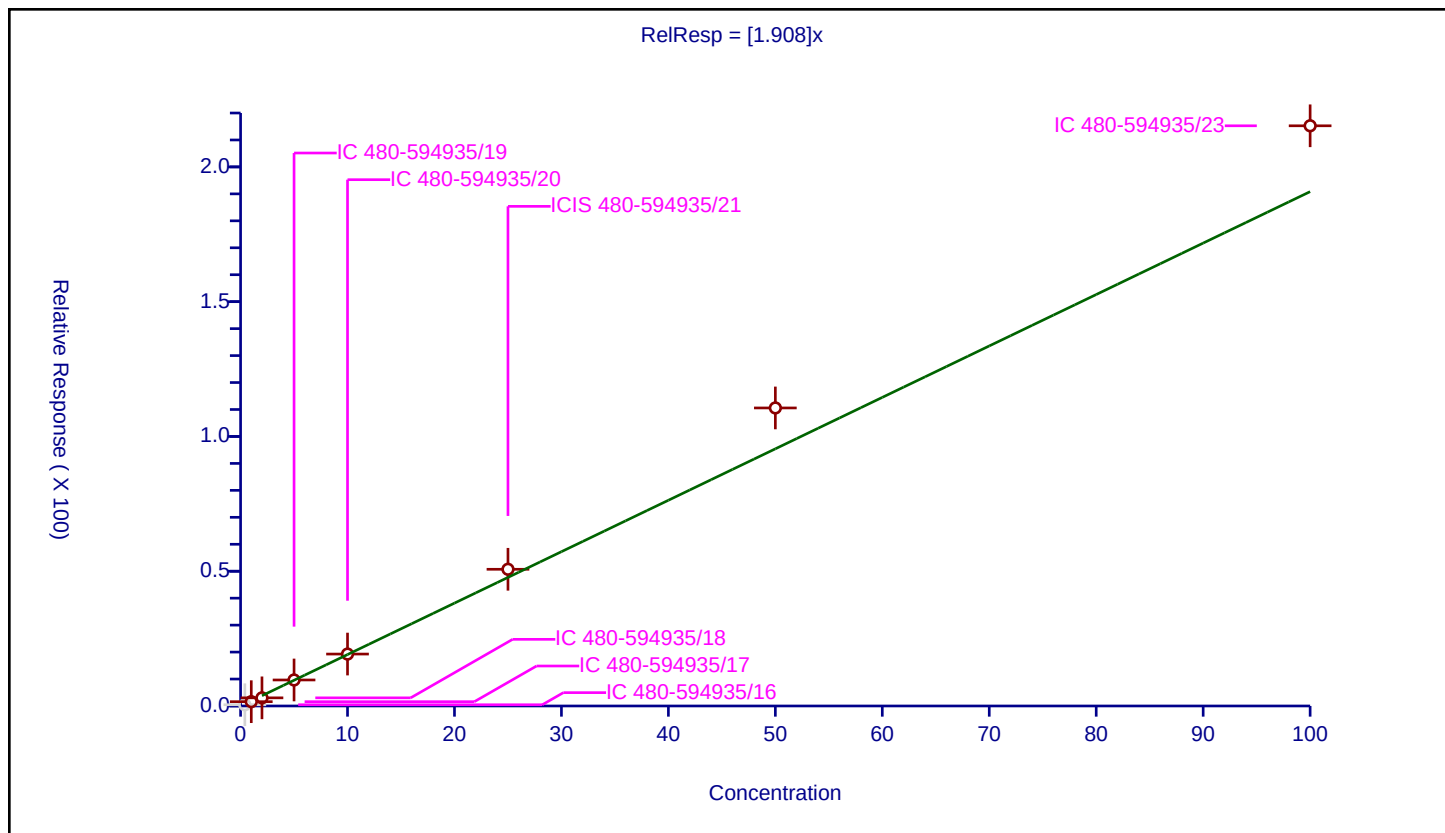
Curve Coefficients

Intercept: 0
 Slope: 1.908

Error Coefficients

Standard Error: 555000
 Relative Standard Error: 13.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.455773	25.0	146235.0	1.139433	N
2	IC 480-594935/17	1.0	1.594177	25.0	148572.0	1.594177	Y
3	IC 480-594935/18	2.0	3.026745	25.0	157116.0	1.513372	Y
4	IC 480-594935/19	5.0	9.648945	25.0	145376.0	1.929789	Y
5	IC 480-594935/20	10.0	19.269207	25.0	148941.0	1.926921	Y
6	ICIS 480-594935/21	25.0	50.723112	25.0	146070.0	2.028924	Y
7	IC 480-594935/22	50.0	110.580471	25.0	141187.0	2.211609	Y
8	IC 480-594935/23	100.0	215.263193	25.0	135034.0	2.152632	Y



Calibration

/ Chloromethane

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

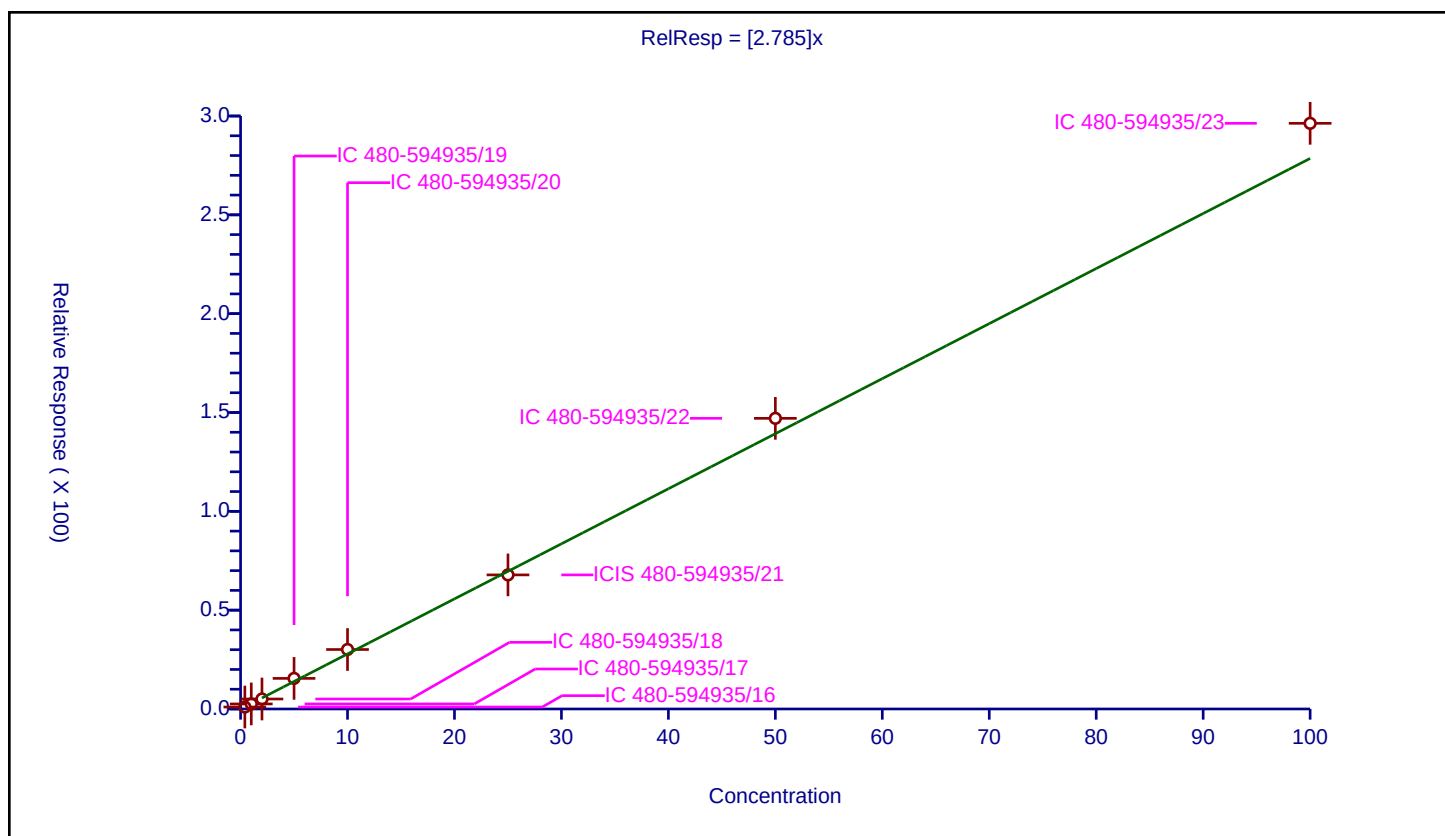
Curve Coefficients

Intercept: 0
 Slope: 2.785

Error Coefficients

Standard Error: 702000
 Relative Standard Error: 8.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.989674	25.0	146235.0	2.474185	Y
2	IC 480-594935/17	1.0	2.559533	25.0	148572.0	2.559533	Y
3	IC 480-594935/18	2.0	5.05375	25.0	157116.0	2.526875	Y
4	IC 480-594935/19	5.0	15.475904	25.0	145376.0	3.095181	Y
5	IC 480-594935/20	10.0	30.089935	25.0	148941.0	3.008993	Y
6	ICIS 480-594935/21	25.0	67.842815	25.0	146070.0	2.713713	Y
7	IC 480-594935/22	50.0	147.046116	25.0	141187.0	2.940922	Y
8	IC 480-594935/23	100.0	296.298155	25.0	135034.0	2.962982	Y



Calibration

/ Vinyl chloride

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

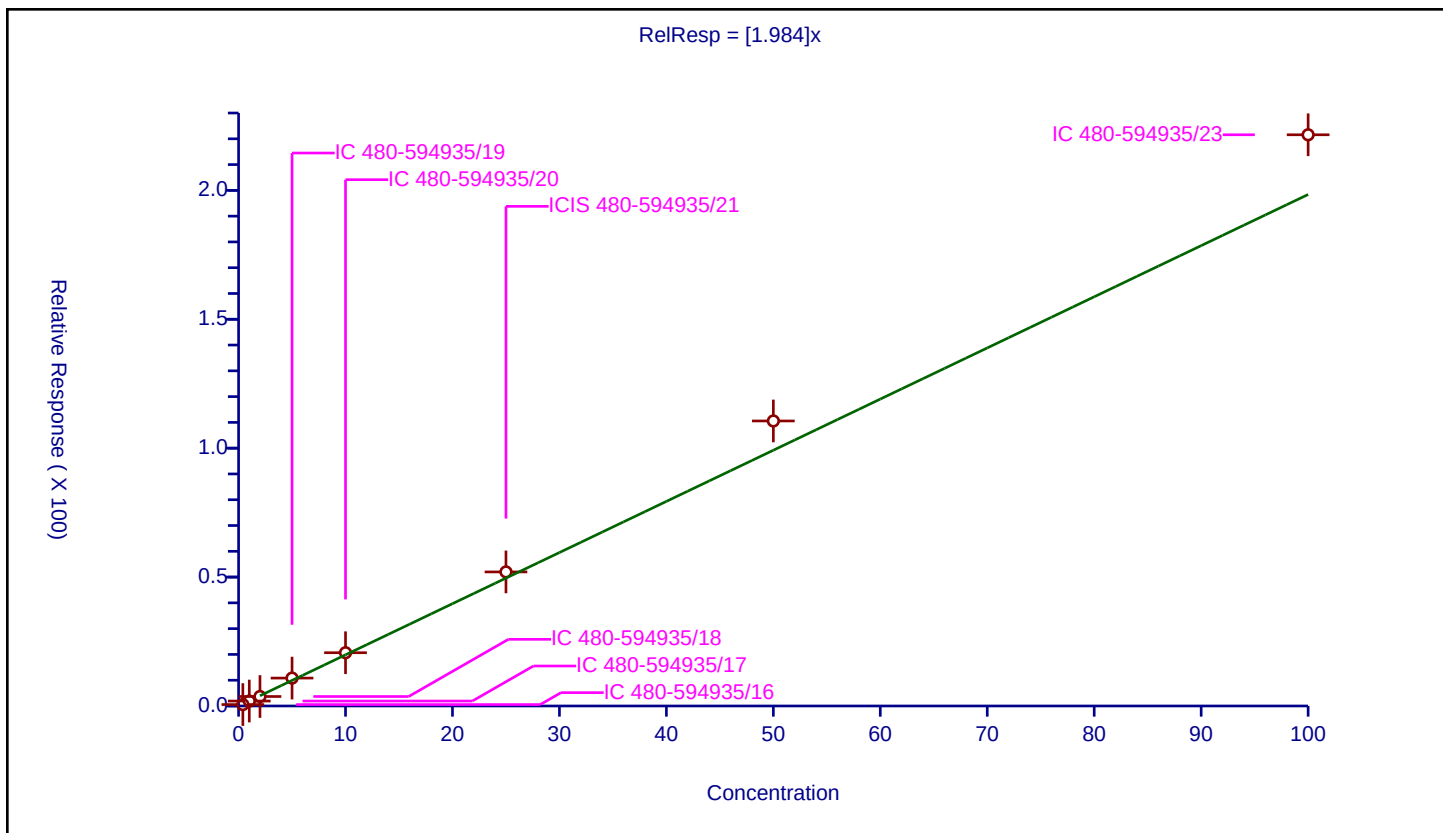
Curve Coefficients

Intercept: 0
Slope: 1.984

Error Coefficients

Standard Error: 526000
Relative Standard Error: 14.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.55339	25.0	146235.0	1.383475	Y
2	IC 480-594935/17	1.0	1.915233	25.0	148572.0	1.915233	Y
3	IC 480-594935/18	2.0	3.671968	25.0	157116.0	1.835984	Y
4	IC 480-594935/19	5.0	10.821766	25.0	145376.0	2.164353	Y
5	IC 480-594935/20	10.0	20.659187	25.0	148941.0	2.065919	Y
6	ICIS 480-594935/21	25.0	52.002293	25.0	146070.0	2.080092	Y
7	IC 480-594935/22	50.0	110.550901	25.0	141187.0	2.211018	Y
8	IC 480-594935/23	100.0	221.559015	25.0	135034.0	2.21559	Y



Calibration

/ Butadiene

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

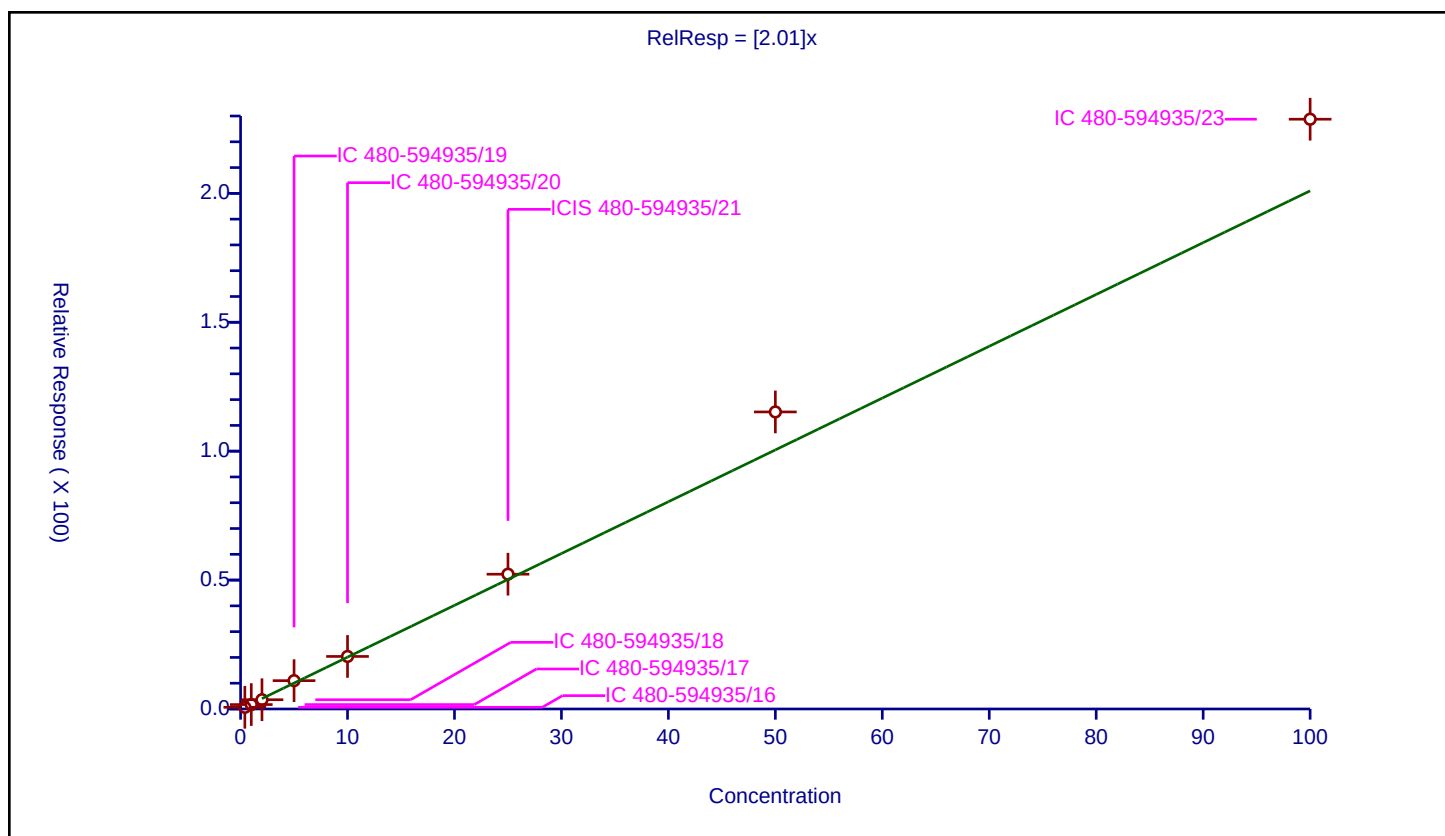
Curve Coefficients

Intercept: 0
Slope: 2.01

Error Coefficients

Standard Error: 543000
Relative Standard Error: 12.9
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.659042	25.0	146235.0	1.647605	Y
2	IC 480-594935/17	1.0	1.716676	25.0	148572.0	1.716676	Y
3	IC 480-594935/18	2.0	3.589704	25.0	157116.0	1.794852	Y
4	IC 480-594935/19	5.0	10.986167	25.0	145376.0	2.197233	Y
5	IC 480-594935/20	10.0	20.385589	25.0	148941.0	2.038559	Y
6	ICIS 480-594935/21	25.0	52.284863	25.0	146070.0	2.091395	Y
7	IC 480-594935/22	50.0	115.216521	25.0	141187.0	2.30433	Y
8	IC 480-594935/23	100.0	228.756276	25.0	135034.0	2.287563	Y



Calibration

/ Bromomethane

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

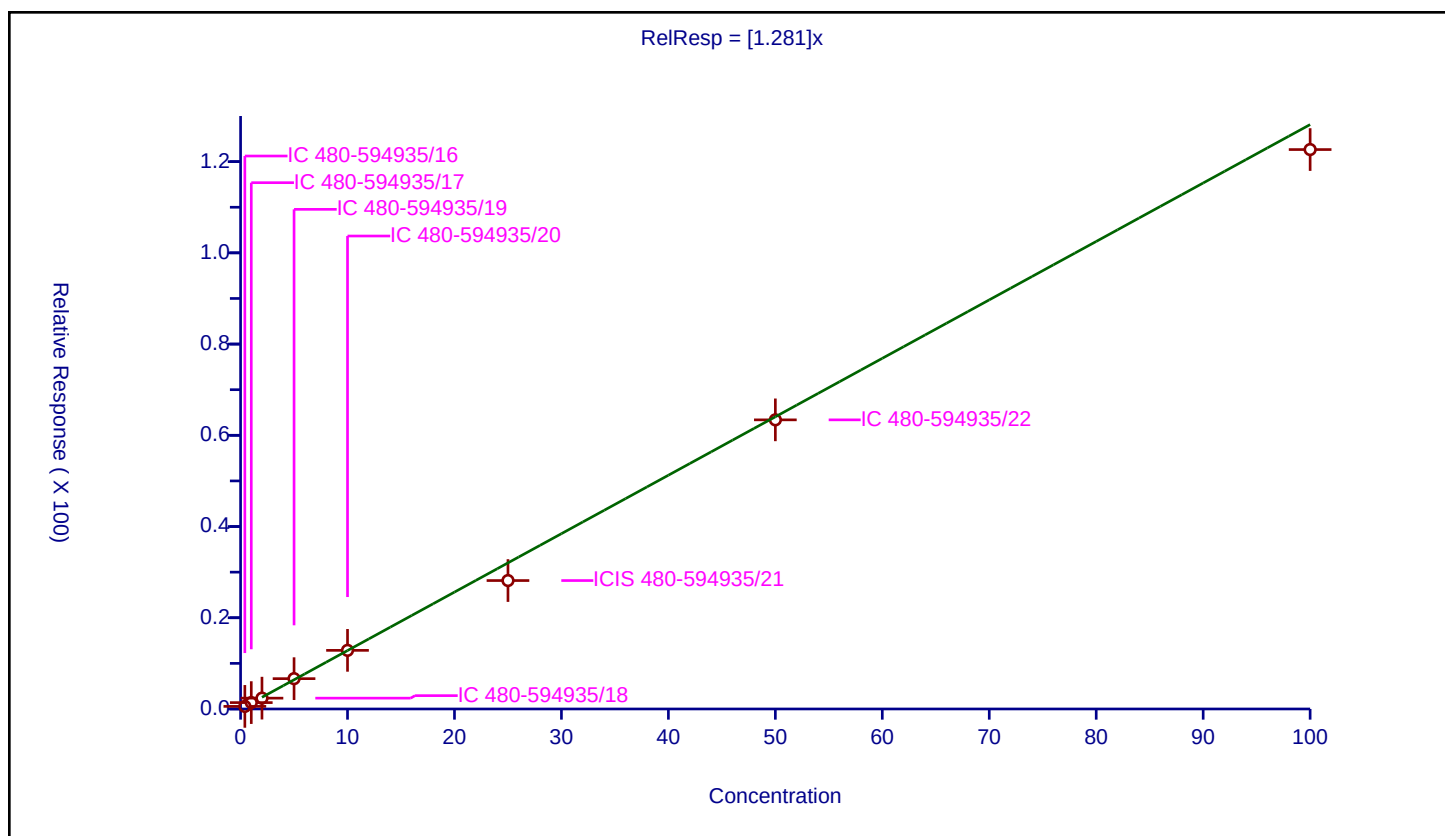
Curve Coefficients

Intercept: 0
Slope: 1.281

Error Coefficients

Standard Error: 293000
Relative Standard Error: 8.0
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.570828	25.0	146235.0	1.427069	Y
2	IC 480-594935/17	1.0	1.39949	25.0	148572.0	1.39949	Y
3	IC 480-594935/18	2.0	2.375474	25.0	157116.0	1.187737	Y
4	IC 480-594935/19	5.0	6.647762	25.0	145376.0	1.329552	Y
5	IC 480-594935/20	10.0	12.855258	25.0	148941.0	1.285526	Y
6	ICIS 480-594935/21	25.0	28.159958	25.0	146070.0	1.126398	Y
7	IC 480-594935/22	50.0	63.388272	25.0	141187.0	1.267765	Y
8	IC 480-594935/23	100.0	122.646519	25.0	135034.0	1.226465	Y



Calibration

/ Chloroethane

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

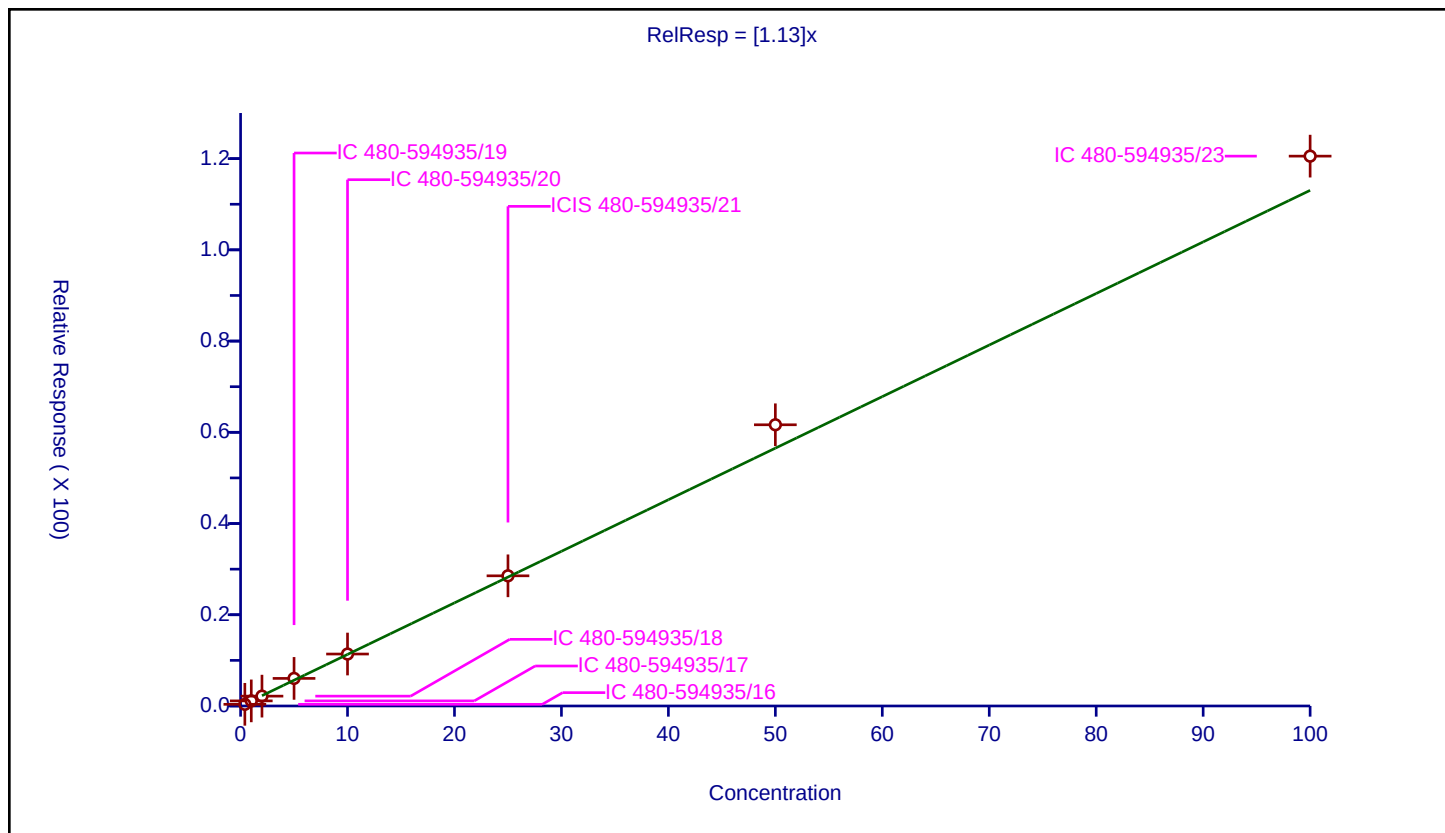
Curve Coefficients

Intercept: 0
Slope: 1.13

Error Coefficients

Standard Error: 288000
Relative Standard Error: 9.0
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.365508	25.0	146235.0	0.913769	Y
2	IC 480-594935/17	1.0	1.120669	25.0	148572.0	1.120669	Y
3	IC 480-594935/18	2.0	2.160665	25.0	157116.0	1.080332	Y
4	IC 480-594935/19	5.0	6.04811	25.0	145376.0	1.209622	Y
5	IC 480-594935/20	10.0	11.391423	25.0	148941.0	1.139142	Y
6	ICIS 480-594935/21	25.0	28.539228	25.0	146070.0	1.141569	Y
7	IC 480-594935/22	50.0	61.649444	25.0	141187.0	1.232989	Y
8	IC 480-594935/23	100.0	120.544826	25.0	135034.0	1.205448	Y



Calibration

/ Trichlorofluoromethane

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

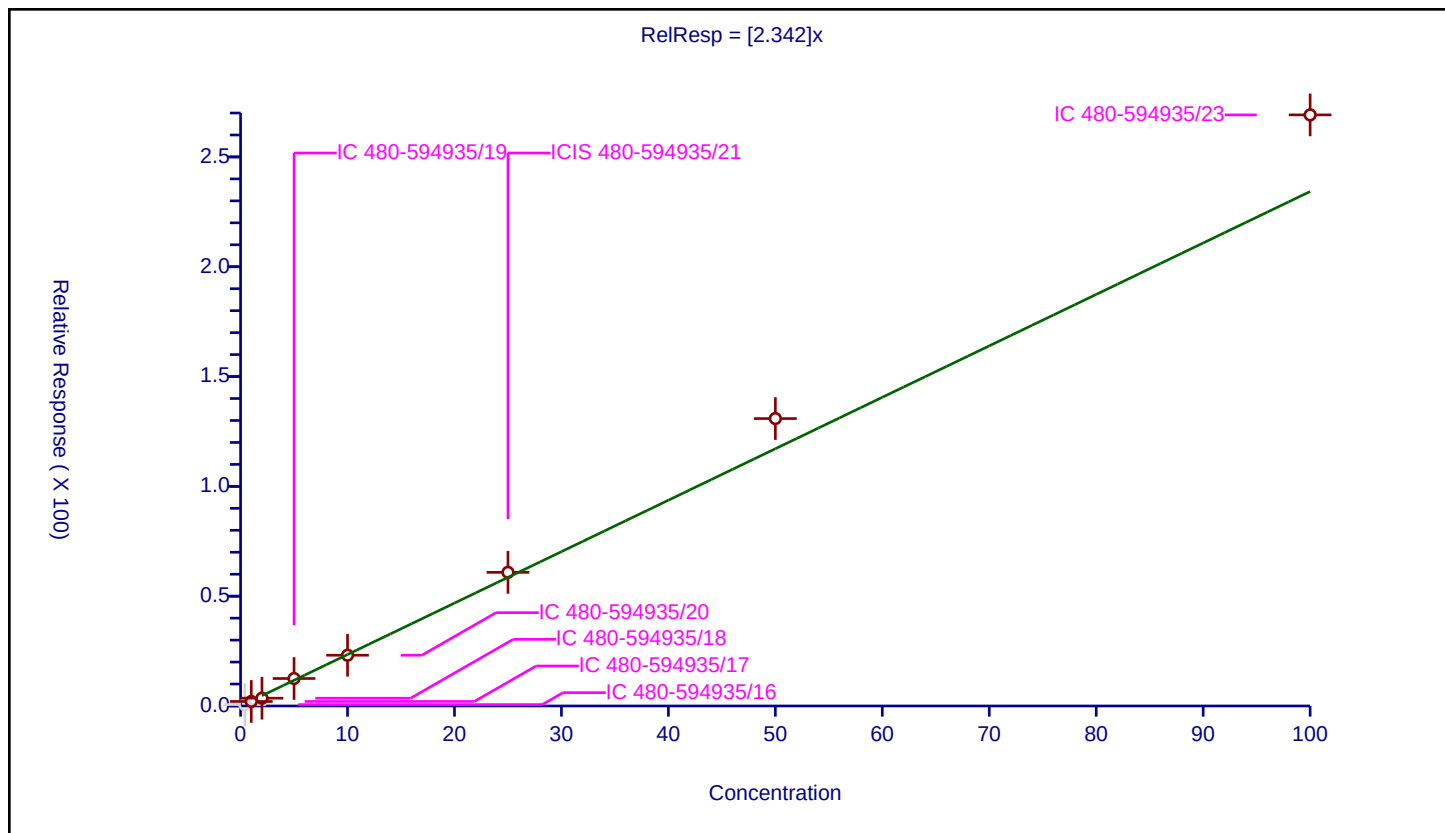
Curve Coefficients

Intercept: 0
 Slope: 2.342

Error Coefficients

Standard Error: 684000
 Relative Standard Error: 13.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.633569	25.0	146235.0	1.583923	N
2	IC 480-594935/17	1.0	2.0623	25.0	148572.0	2.0623	Y
3	IC 480-594935/18	2.0	3.556767	25.0	157116.0	1.778383	Y
4	IC 480-594935/19	5.0	12.510318	25.0	145376.0	2.502064	Y
5	IC 480-594935/20	10.0	23.116704	25.0	148941.0	2.31167	Y
6	ICIS 480-594935/21	25.0	60.84617	25.0	146070.0	2.433847	Y
7	IC 480-594935/22	50.0	130.878197	25.0	141187.0	2.617564	Y
8	IC 480-594935/23	100.0	269.153139	25.0	135034.0	2.691531	Y



Calibration

/ Dichlorofluoromethane

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

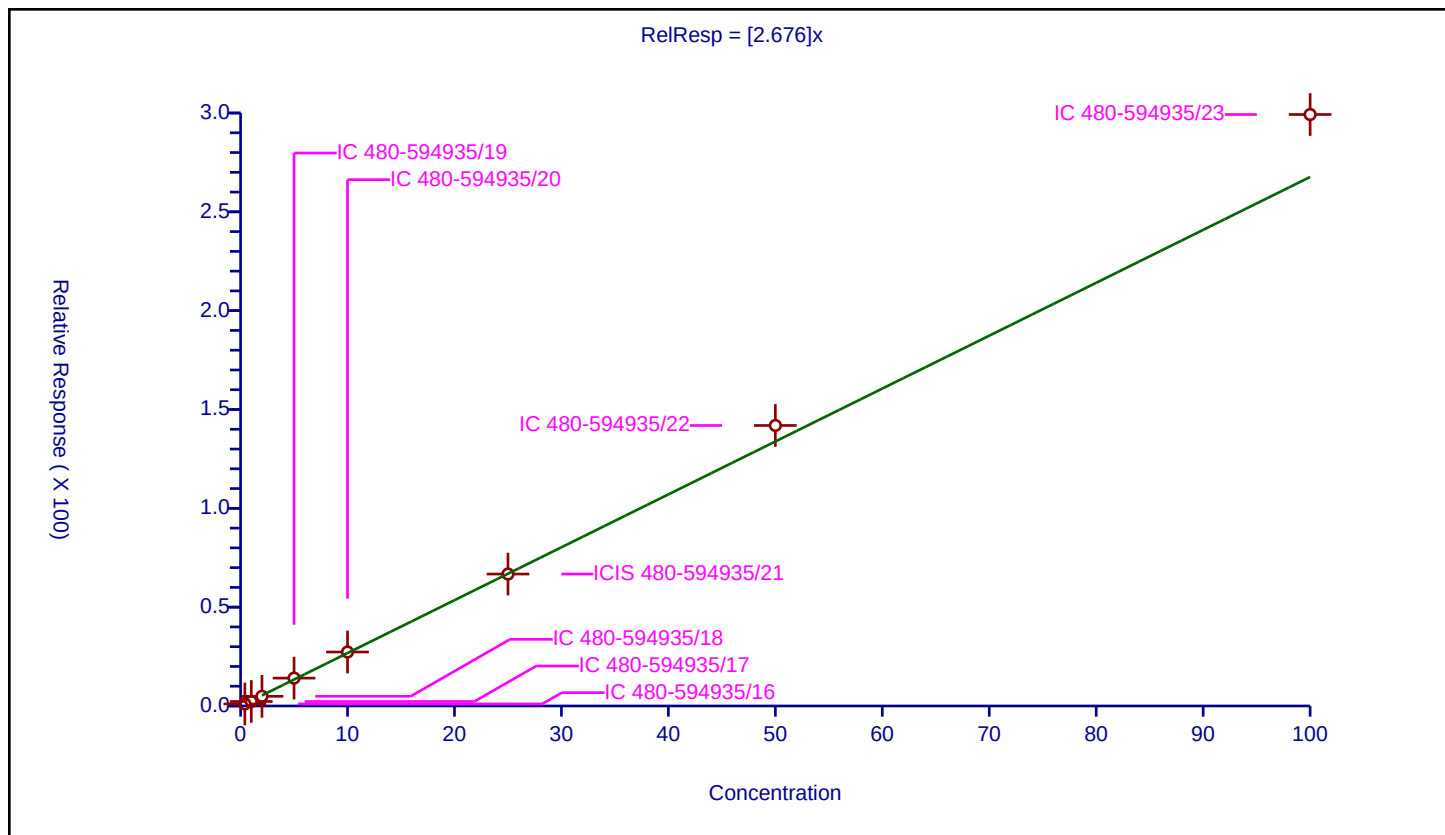
Curve Coefficients

Intercept: 0
 Slope: 2.676

Error Coefficients

Standard Error: 701000
 Relative Standard Error: 8.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	1.051048	25.0	146235.0	2.62762	Y
2	IC 480-594935/17	1.0	2.279703	25.0	148572.0	2.279703	Y
3	IC 480-594935/18	2.0	4.897178	25.0	157116.0	2.448589	Y
4	IC 480-594935/19	5.0	14.110995	25.0	145376.0	2.822199	Y
5	IC 480-594935/20	10.0	27.312493	25.0	148941.0	2.731249	Y
6	ICIS 480-594935/21	25.0	66.753611	25.0	146070.0	2.670144	Y
7	IC 480-594935/22	50.0	141.924186	25.0	141187.0	2.838484	Y
8	IC 480-594935/23	100.0	299.249633	25.0	135034.0	2.992496	Y



Calibration

/ Ethyl ether

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

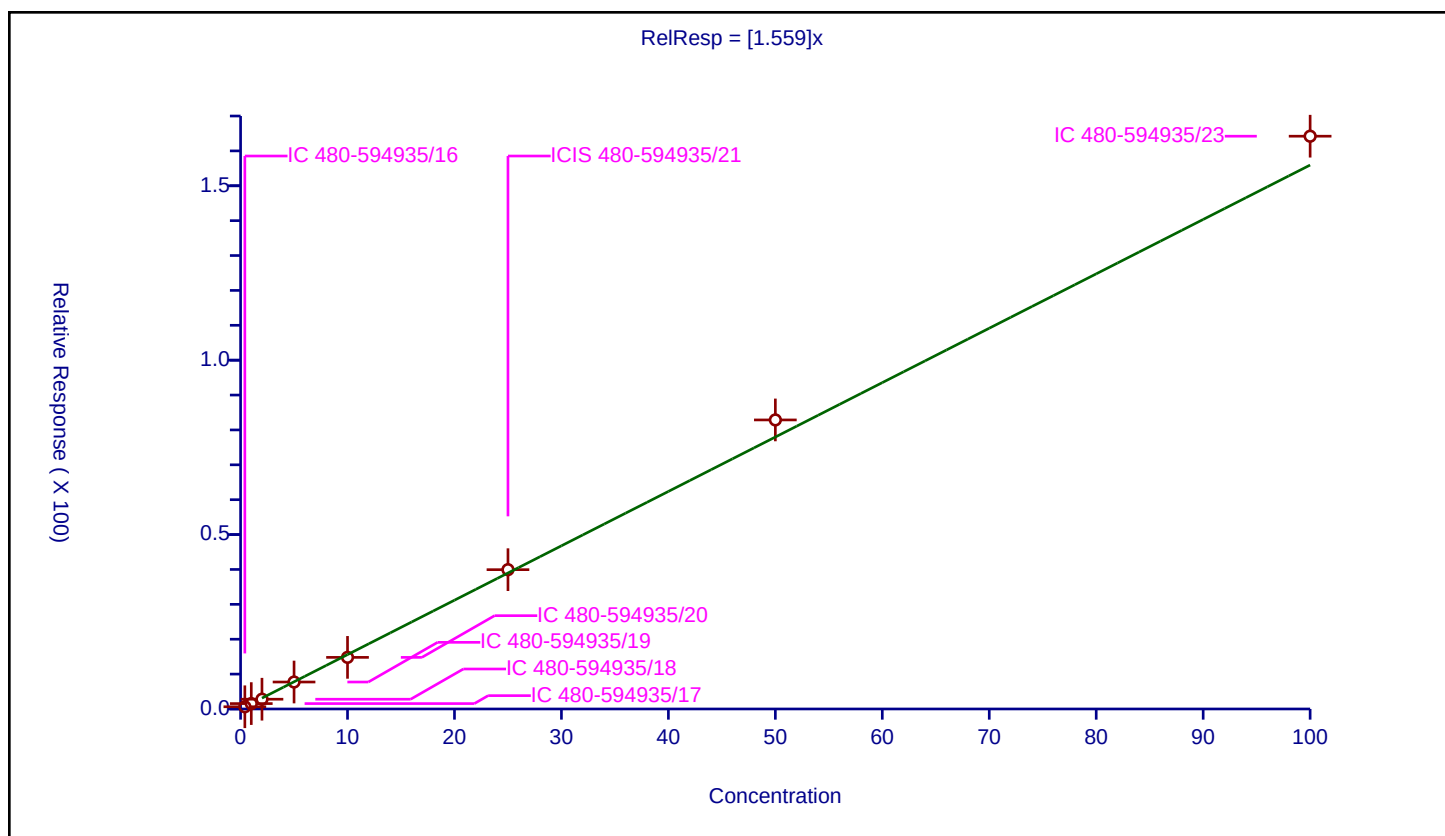
Curve Coefficients

Intercept: 0
Slope: 1.559

Error Coefficients

Standard Error: 391000
Relative Standard Error: 5.5
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.640579	25.0	146235.0	1.601446	Y
2	IC 480-594935/17	1.0	1.549249	25.0	148572.0	1.549249	Y
3	IC 480-594935/18	2.0	2.801752	25.0	157116.0	1.400876	Y
4	IC 480-594935/19	5.0	7.732019	25.0	145376.0	1.546404	Y
5	IC 480-594935/20	10.0	14.798645	25.0	148941.0	1.479865	Y
6	ICIS 480-594935/21	25.0	39.945403	25.0	146070.0	1.597816	Y
7	IC 480-594935/22	50.0	82.868996	25.0	141187.0	1.65738	Y
8	IC 480-594935/23	100.0	164.209384	25.0	135034.0	1.642094	Y



Calibration

/ Acrolein

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

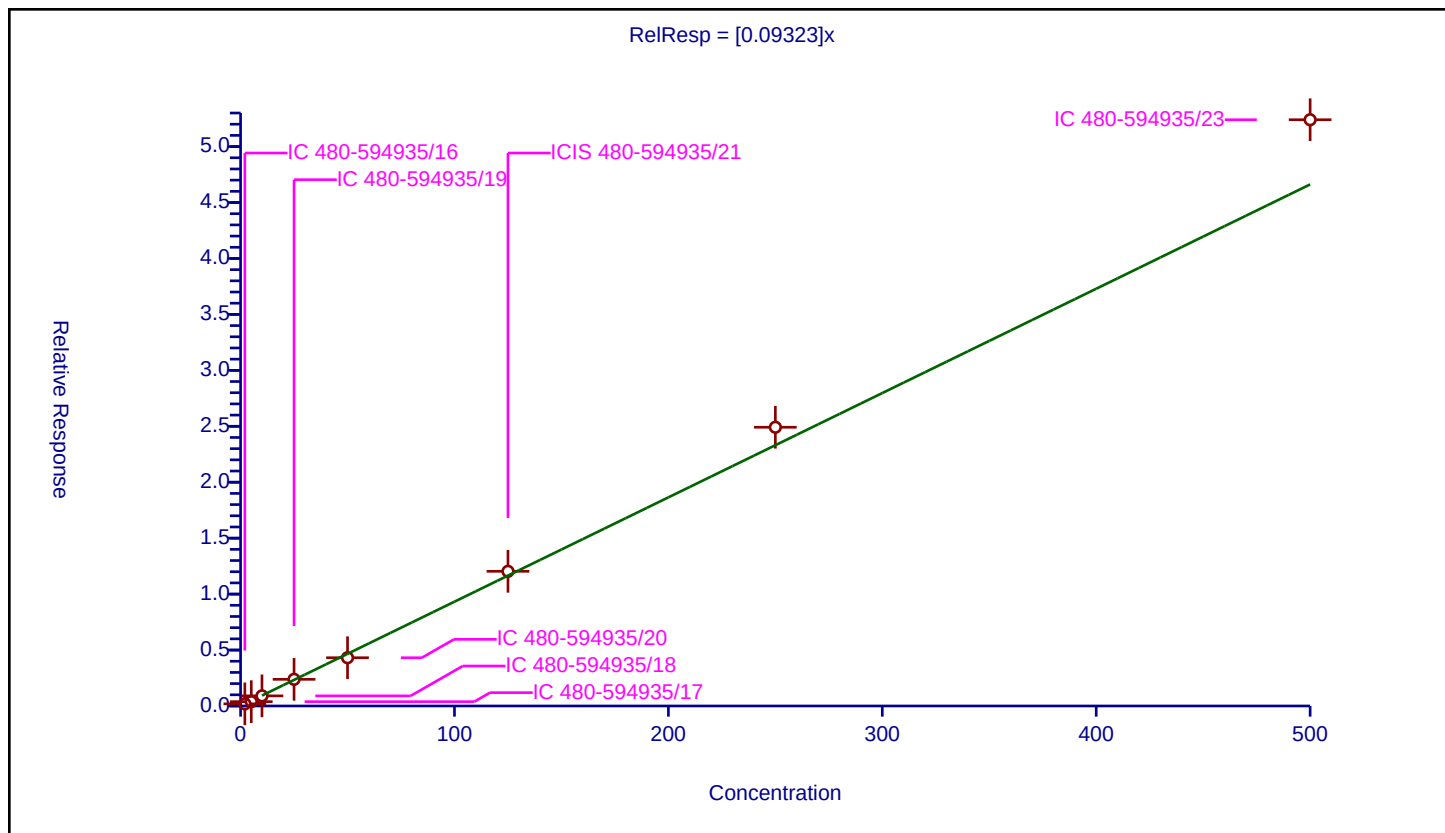
Curve Coefficients

Intercept: 0
 Slope: 0.09323

Error Coefficients

Standard Error: 123000
 Relative Standard Error: 9.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	2.0	0.191473	25.0	146235.0	0.095736	Y
2	IC 480-594935/17	5.0	0.387018	25.0	148572.0	0.077404	Y
3	IC 480-594935/18	10.0	0.90395	25.0	157116.0	0.090395	Y
4	IC 480-594935/19	25.0	2.383131	25.0	145376.0	0.095325	Y
5	IC 480-594935/20	50.0	4.312278	25.0	148941.0	0.086246	Y
6	ICIS 480-594935/21	125.0	12.037208	25.0	146070.0	0.096298	Y
7	IC 480-594935/22	250.0	24.914298	25.0	141187.0	0.099657	Y
8	IC 480-594935/23	500.0	52.399396	25.0	135034.0	0.104799	Y



Calibration

/ 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

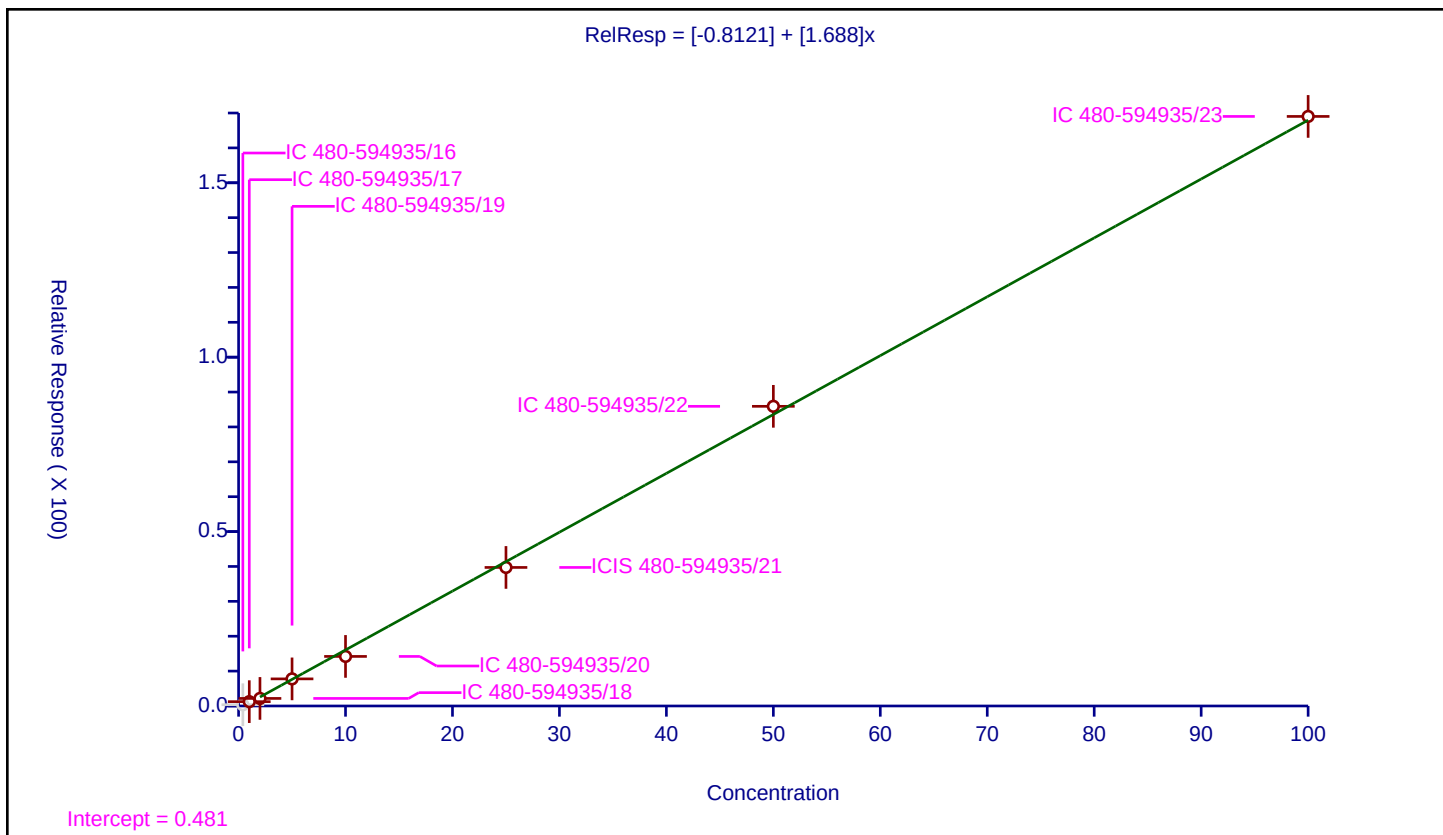
Curve Coefficients

Intercept: -0.8121
 Slope: 1.688

Error Coefficients

Standard Error: 476000
 Relative Standard Error: 12.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.36414	25.0	146235.0	0.91035	N
2	IC 480-594935/17	1.0	1.241317	25.0	148572.0	1.241317	Y
3	IC 480-594935/18	2.0	2.163688	25.0	157116.0	1.081844	Y
4	IC 480-594935/19	5.0	7.769164	25.0	145376.0	1.553833	Y
5	IC 480-594935/20	10.0	14.20915	25.0	148941.0	1.420915	Y
6	ICIS 480-594935/21	25.0	39.718115	25.0	146070.0	1.588725	Y
7	IC 480-594935/22	50.0	85.912478	25.0	141187.0	1.71825	Y
8	IC 480-594935/23	100.0	169.021321	25.0	135034.0	1.690213	Y



Calibration

/ 1,1-Dichloroethene

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

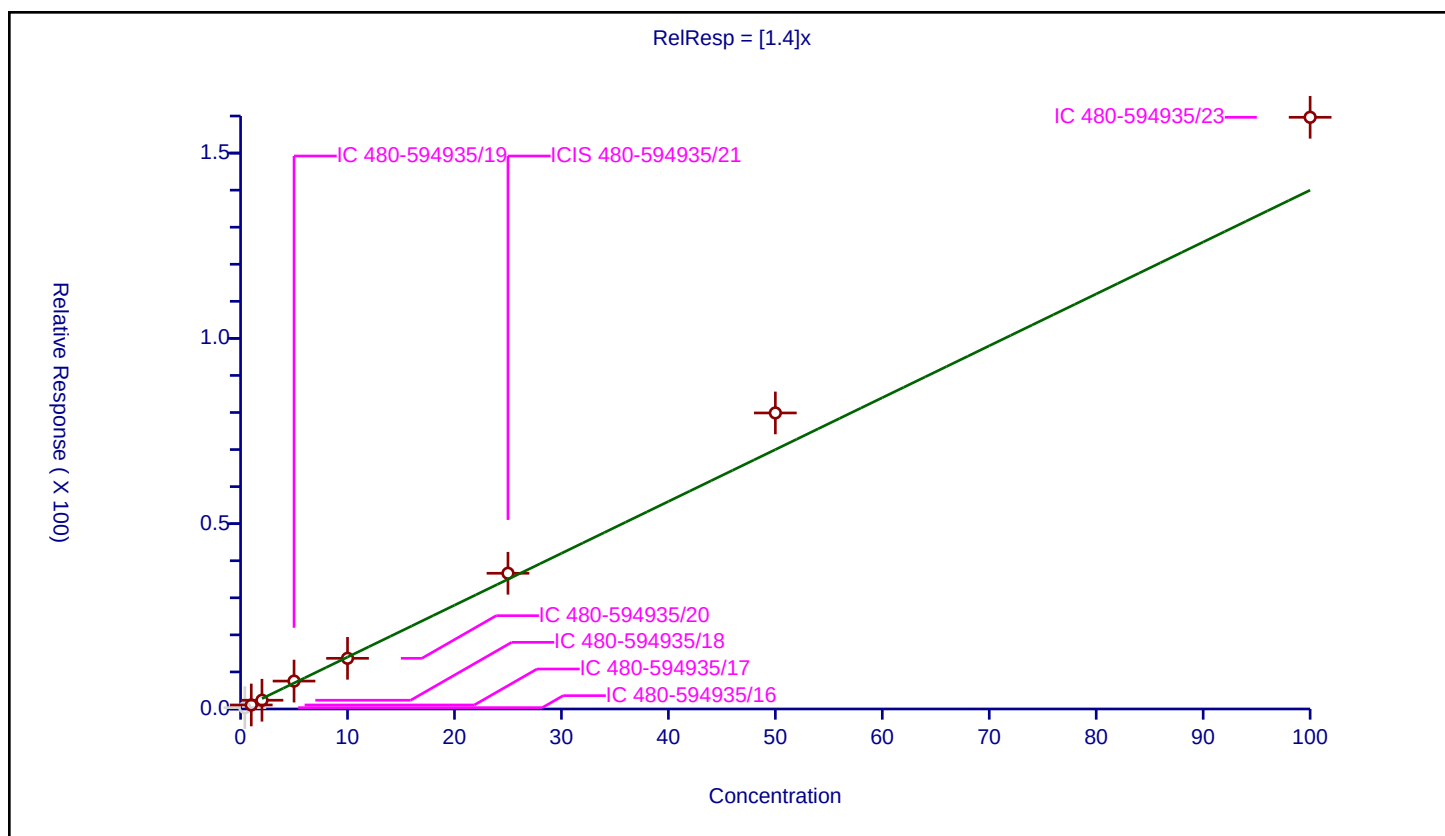
Curve Coefficients

Intercept: 0
 Slope: 1.4

Error Coefficients

Standard Error: 409000
 Relative Standard Error: 14.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.363456	25.0	146235.0	0.90864	N
2	IC 480-594935/17	1.0	1.084659	25.0	148572.0	1.084659	Y
3	IC 480-594935/18	2.0	2.36354	25.0	157116.0	1.18177	Y
4	IC 480-594935/19	5.0	7.531333	25.0	145376.0	1.506267	Y
5	IC 480-594935/20	10.0	13.67706	25.0	148941.0	1.367706	Y
6	ICIS 480-594935/21	25.0	36.619771	25.0	146070.0	1.464791	Y
7	IC 480-594935/22	50.0	79.881115	25.0	141187.0	1.597622	Y
8	IC 480-594935/23	100.0	159.656457	25.0	135034.0	1.596565	Y



Calibration

/ Acetone

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

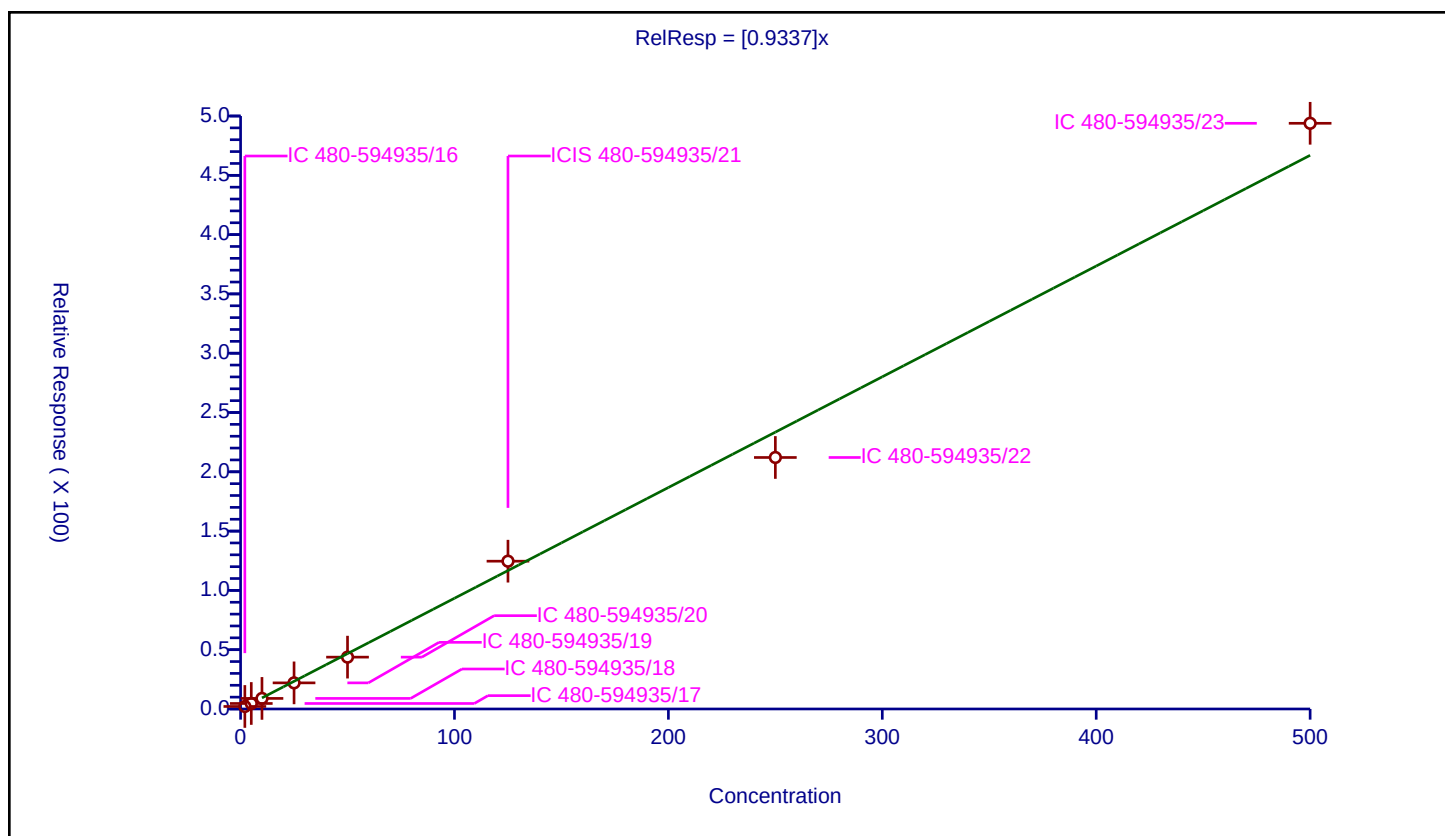
Curve Coefficients

Intercept: 0
 Slope: 0.9337

Error Coefficients

Standard Error: 1140000
 Relative Standard Error: 7.9
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	2.0	2.122269	25.0	146235.0	1.061134	Y
2	IC 480-594935/17	5.0	4.641689	25.0	148572.0	0.928338	Y
3	IC 480-594935/18	10.0	8.915069	25.0	157116.0	0.891507	Y
4	IC 480-594935/19	25.0	22.033726	25.0	145376.0	0.881349	Y
5	IC 480-594935/20	50.0	43.726711	25.0	148941.0	0.874534	Y
6	ICIS 480-594935/21	125.0	124.632026	25.0	146070.0	0.997056	Y
7	IC 480-594935/22	250.0	212.079016	25.0	141187.0	0.848316	Y
8	IC 480-594935/23	500.0	493.860435	25.0	135034.0	0.987721	Y



Calibration

/ Iodomethane

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

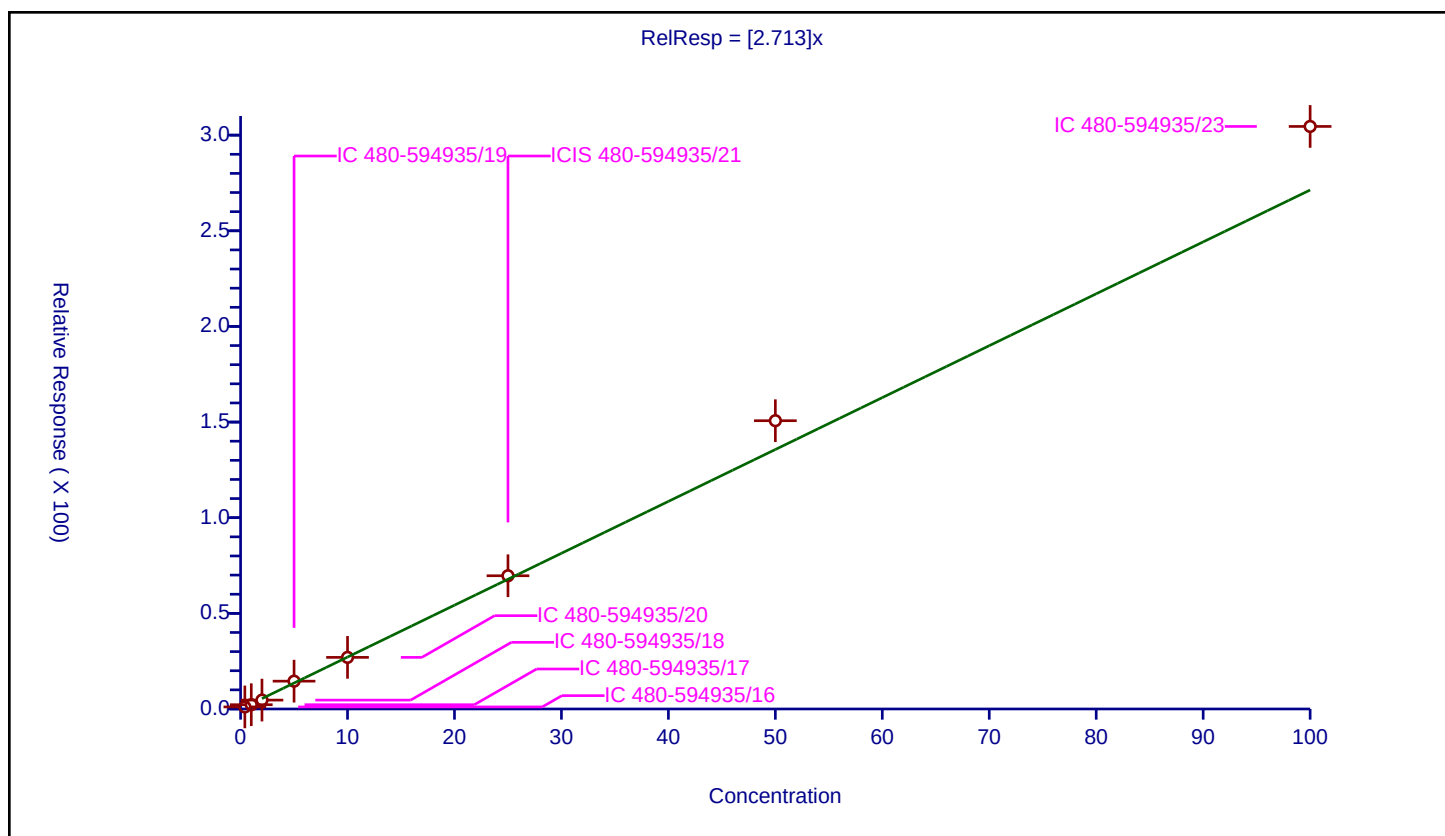
Curve Coefficients

Intercept: 0
 Slope: 2.713

Error Coefficients

Standard Error: 720000
 Relative Standard Error: 11.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	1.077888	25.0	146235.0	2.694721	Y
2	IC 480-594935/17	1.0	2.232419	25.0	148572.0	2.232419	Y
3	IC 480-594935/18	2.0	4.650545	25.0	157116.0	2.325272	Y
4	IC 480-594935/19	5.0	14.543666	25.0	145376.0	2.908733	Y
5	IC 480-594935/20	10.0	26.980818	25.0	148941.0	2.698082	Y
6	ICIS 480-594935/21	25.0	69.655645	25.0	146070.0	2.786226	Y
7	IC 480-594935/22	50.0	150.708103	25.0	141187.0	3.014162	Y
8	IC 480-594935/23	100.0	304.547929	25.0	135034.0	3.045479	Y



Calibration

/ Carbon disulfide

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

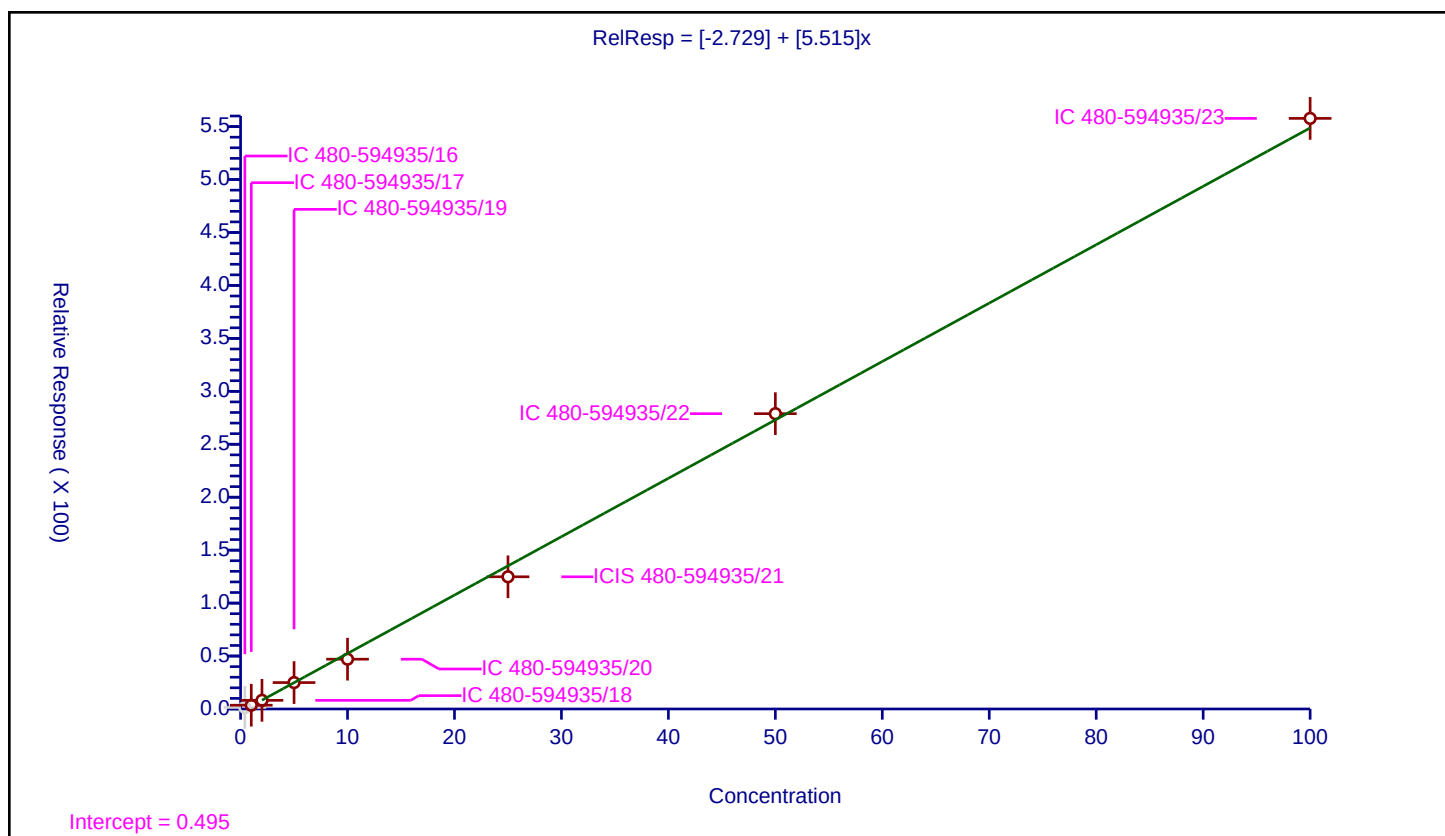
Curve Coefficients

Intercept: -2.729
 Slope: 5.515

Error Coefficients

Standard Error: 1560000
 Relative Standard Error: 8.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	1.446473	25.0	146235.0	3.616183	N
2	IC 480-594935/17	1.0	3.567631	25.0	148572.0	3.567631	Y
3	IC 480-594935/18	2.0	8.174852	25.0	157116.0	4.087426	Y
4	IC 480-594935/19	5.0	24.955804	25.0	145376.0	4.991161	Y
5	IC 480-594935/20	10.0	47.037921	25.0	148941.0	4.703792	Y
6	ICIS 480-594935/21	25.0	124.858287	25.0	146070.0	4.994331	Y
7	IC 480-594935/22	50.0	278.893772	25.0	141187.0	5.577875	Y
8	IC 480-594935/23	100.0	557.765637	25.0	135034.0	5.577656	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

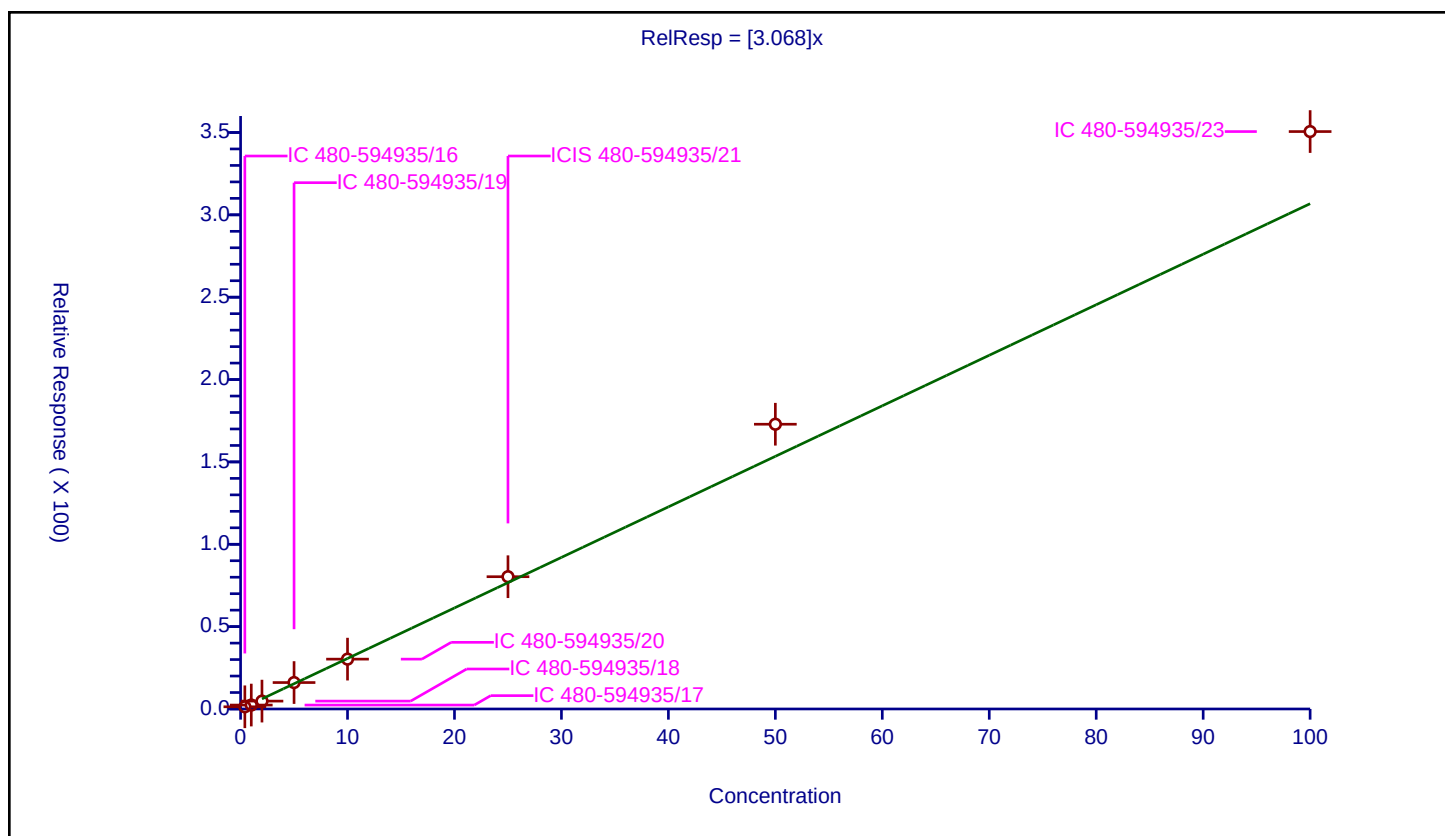
Curve Coefficients

Intercept: 0
Slope: 3.068

Error Coefficients

Standard Error: 828000
Relative Standard Error: 14.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	1.339625	25.0	146235.0	3.349061	Y
2	IC 480-594935/17	1.0	2.386722	25.0	148572.0	2.386722	Y
3	IC 480-594935/18	2.0	4.783408	25.0	157116.0	2.391704	Y
4	IC 480-594935/19	5.0	16.057671	25.0	145376.0	3.211534	Y
5	IC 480-594935/20	10.0	30.273397	25.0	148941.0	3.02734	Y
6	ICIS 480-594935/21	25.0	80.31526	25.0	146070.0	3.21261	Y
7	IC 480-594935/22	50.0	172.878346	25.0	141187.0	3.457567	Y
8	IC 480-594935/23	100.0	350.557822	25.0	135034.0	3.505578	Y



Calibration

/ Methyl acetate

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

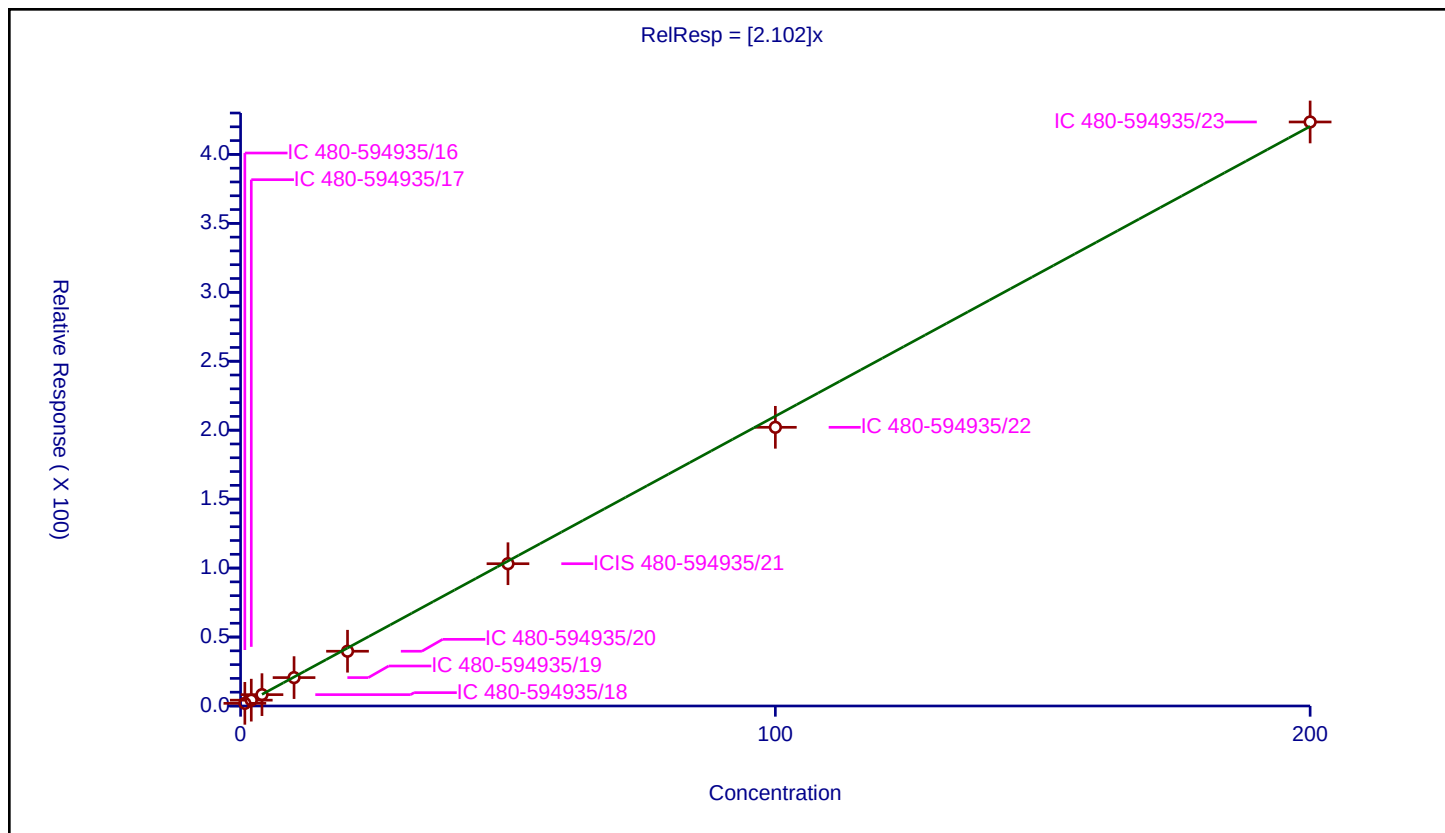
Curve Coefficients

Intercept: 0
Slope: 2.102

Error Coefficients

Standard Error: 998000
Relative Standard Error: 6.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.8	1.918145	25.0	146235.0	2.397682	Y
2	IC 480-594935/17	2.0	4.221522	25.0	148572.0	2.110761	Y
3	IC 480-594935/18	4.0	8.233885	25.0	157116.0	2.058471	Y
4	IC 480-594935/19	10.0	20.578362	25.0	145376.0	2.057836	Y
5	IC 480-594935/20	20.0	39.711698	25.0	148941.0	1.985585	Y
6	ICIS 480-594935/21	50.0	103.168344	25.0	146070.0	2.063367	Y
7	IC 480-594935/22	100.0	202.088896	25.0	141187.0	2.020889	Y
8	IC 480-594935/23	200.0	423.49649	25.0	135034.0	2.117482	Y



Calibration

/ Methylene Chloride

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

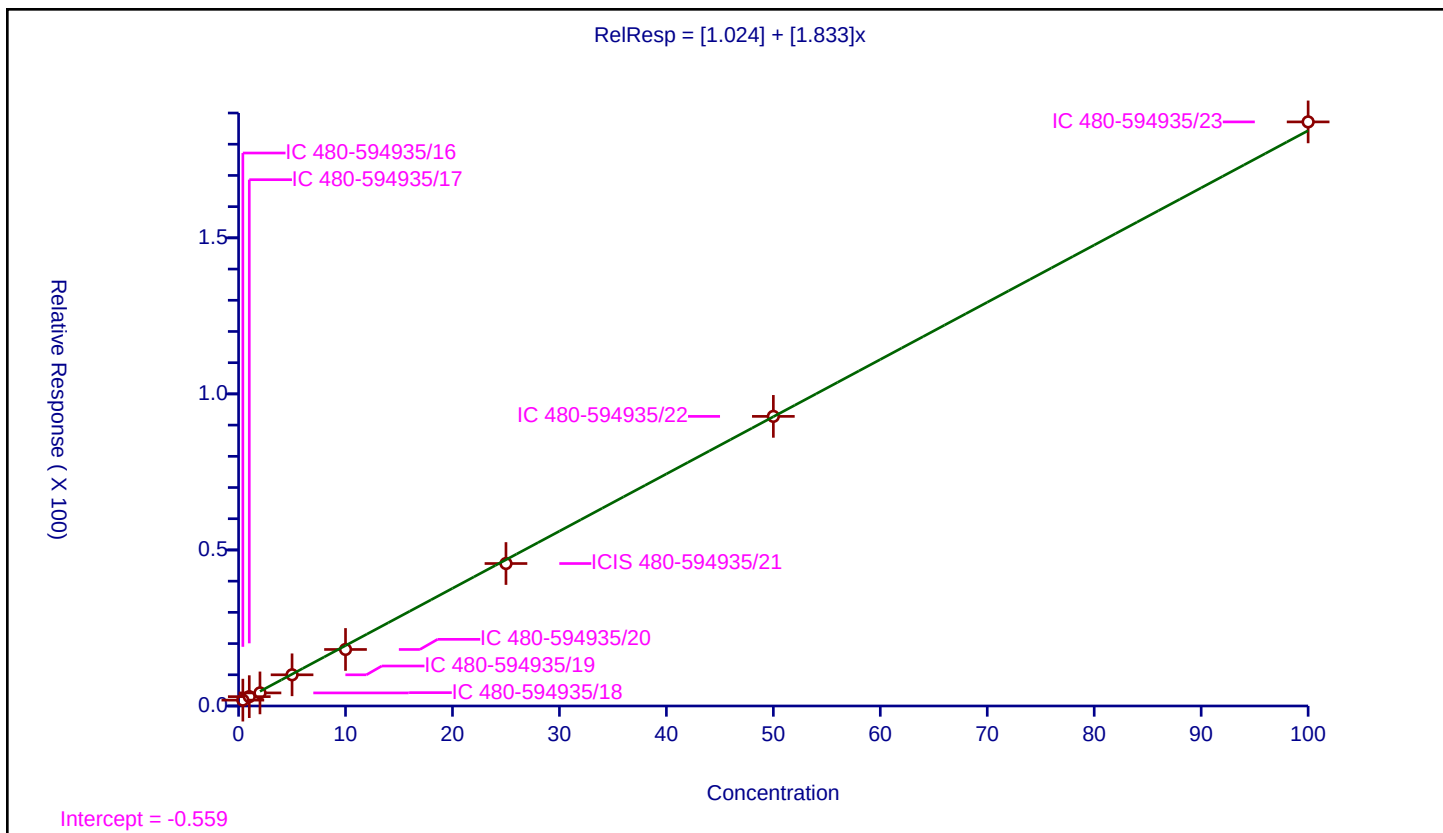
Curve Coefficients

Intercept: 1.024
 Slope: 1.833

Error Coefficients

Standard Error: 480000
 Relative Standard Error: 9.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	1.875919	25.0	146235.0	4.689797	Y
2	IC 480-594935/17	1.0	2.993498	25.0	148572.0	2.993498	Y
3	IC 480-594935/18	2.0	4.192444	25.0	157116.0	2.096222	Y
4	IC 480-594935/19	5.0	9.989613	25.0	145376.0	1.997923	Y
5	IC 480-594935/20	10.0	18.110191	25.0	148941.0	1.811019	Y
6	ICIS 480-594935/21	25.0	45.64541	25.0	146070.0	1.825816	Y
7	IC 480-594935/22	50.0	92.800683	25.0	141187.0	1.856014	Y
8	IC 480-594935/23	100.0	187.15231	25.0	135034.0	1.871523	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

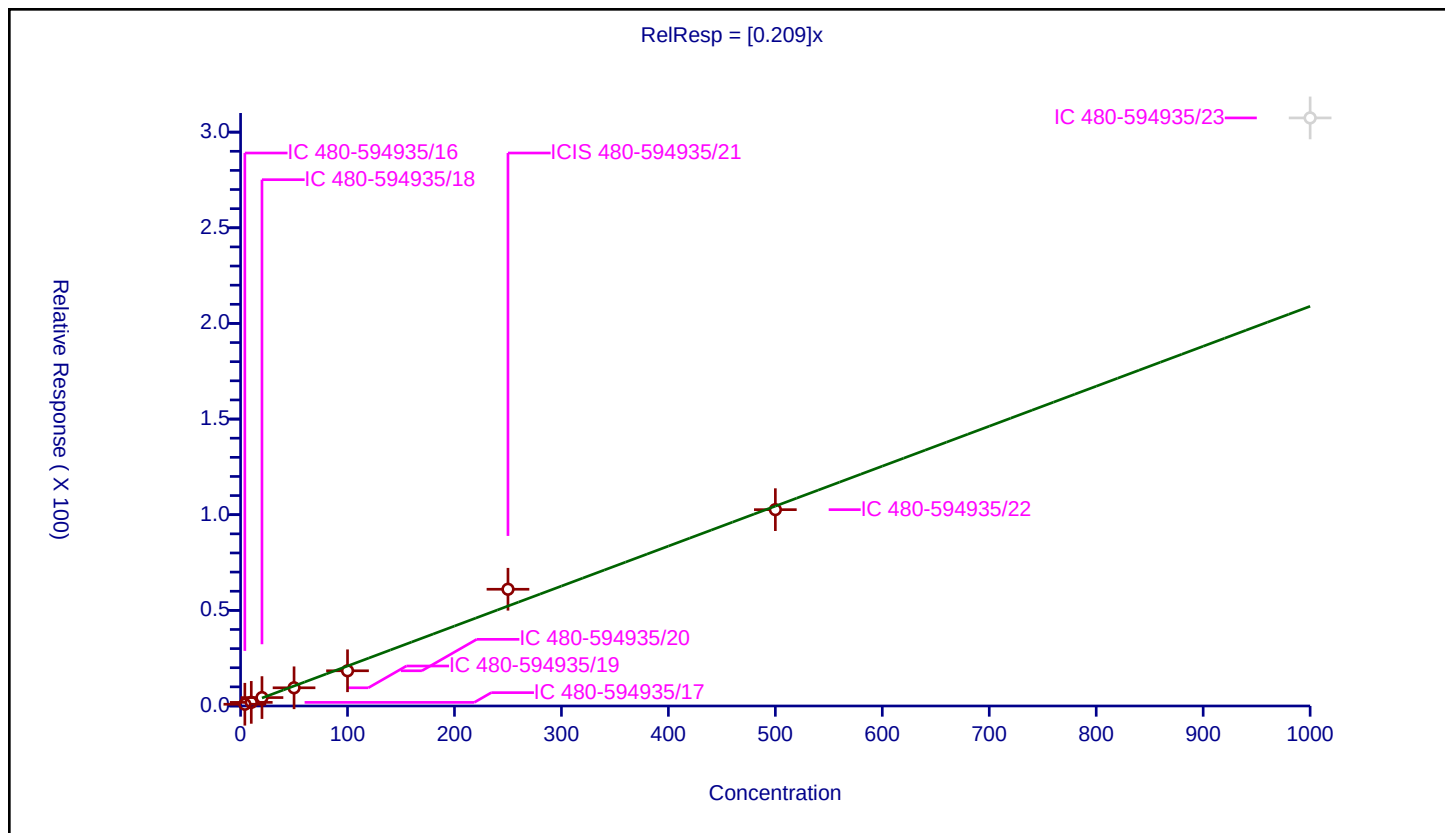
Curve Coefficients

Intercept: 0
 Slope: 0.209

Error Coefficients

Standard Error: 283000
 Relative Standard Error: 11.0
 Correlation Coefficient: 0.987
 Coefficient of Determination (Adjusted): 0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	4.0	0.918556	25.0	146235.0	0.229639	Y
2	IC 480-594935/17	10.0	1.893526	25.0	148572.0	0.189353	Y
3	IC 480-594935/18	20.0	4.40057	25.0	157116.0	0.220029	Y
4	IC 480-594935/19	50.0	9.511371	25.0	145376.0	0.190227	Y
5	IC 480-594935/20	100.0	18.406114	25.0	148941.0	0.184061	Y
6	ICIS 480-594935/21	250.0	61.028103	25.0	146070.0	0.244112	Y
7	IC 480-594935/22	500.0	102.635689	25.0	141187.0	0.205271	Y
8	IC 480-594935/23	1000.0	307.428314	25.0	135034.0	0.307428	N



Calibration

/ Methyl tert-butyl ether

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

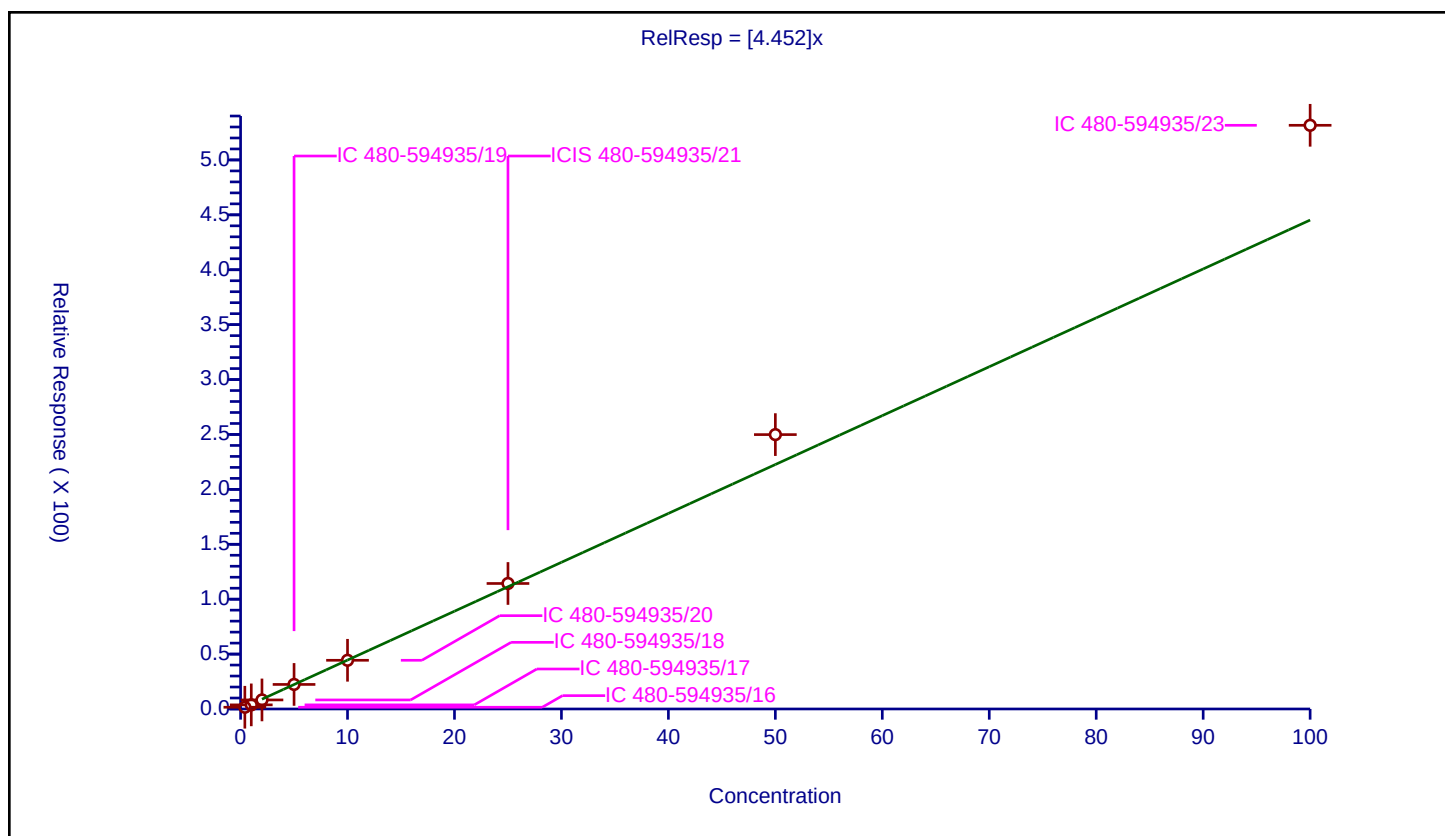
Curve Coefficients

Intercept: 0
 Slope: 4.452

Error Coefficients

Standard Error: 1240000
 Relative Standard Error: 11.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	1.578794	25.0	146235.0	3.946986	Y
2	IC 480-594935/17	1.0	3.758784	25.0	148572.0	3.758784	Y
3	IC 480-594935/18	2.0	8.242	25.0	157116.0	4.121	Y
4	IC 480-594935/19	5.0	22.360981	25.0	145376.0	4.472196	Y
5	IC 480-594935/20	10.0	44.347426	25.0	148941.0	4.434743	Y
6	ICIS 480-594935/21	25.0	114.30256	25.0	146070.0	4.572102	Y
7	IC 480-594935/22	50.0	249.871624	25.0	141187.0	4.997432	Y
8	IC 480-594935/23	100.0	531.560015	25.0	135034.0	5.3156	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

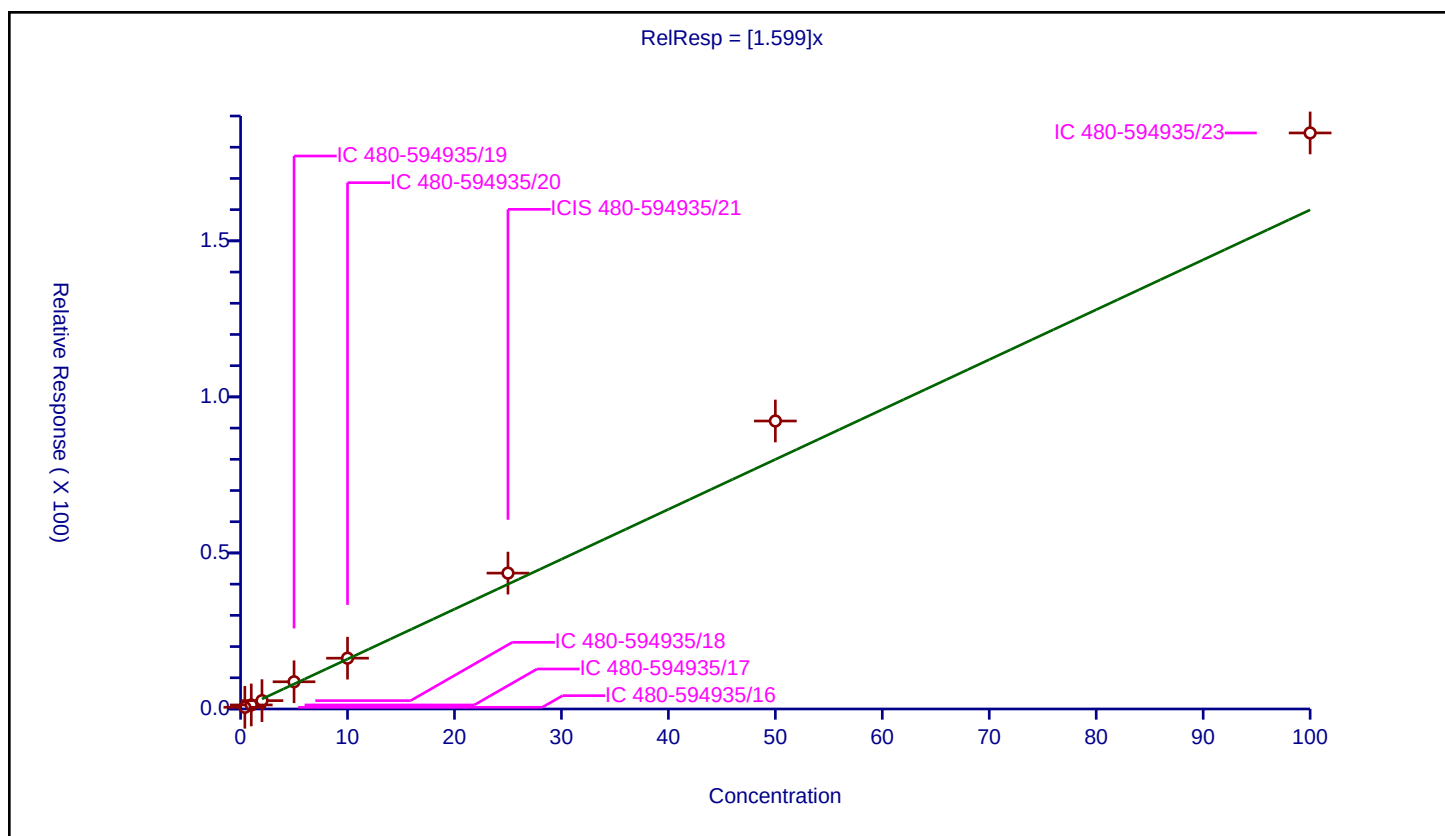
Curve Coefficients

Intercept: 0
Slope: 1.599

Error Coefficients

Standard Error: 438000
Relative Standard Error: 14.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.541423	25.0	146235.0	1.353558	Y
2	IC 480-594935/17	1.0	1.293649	25.0	148572.0	1.293649	Y
3	IC 480-594935/18	2.0	2.682254	25.0	157116.0	1.341127	Y
4	IC 480-594935/19	5.0	8.721178	25.0	145376.0	1.744236	Y
5	IC 480-594935/20	10.0	16.285475	25.0	148941.0	1.628548	Y
6	ICIS 480-594935/21	25.0	43.538372	25.0	146070.0	1.741535	Y
7	IC 480-594935/22	50.0	92.277263	25.0	141187.0	1.845545	Y
8	IC 480-594935/23	100.0	184.573145	25.0	135034.0	1.845731	Y



Calibration

/ Acrylonitrile

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

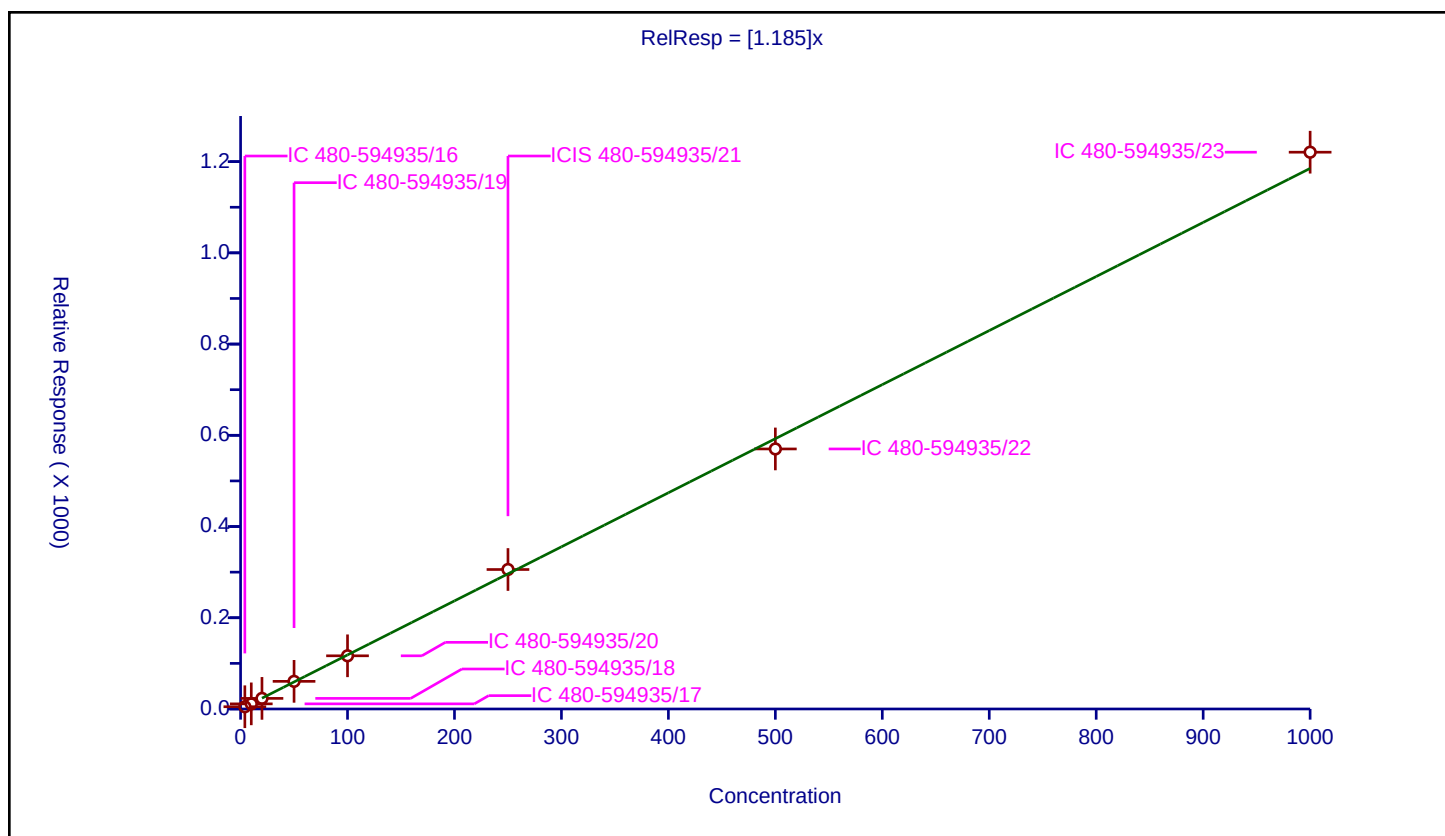
Curve Coefficients

Intercept: 0
Slope: 1.185

Error Coefficients

Standard Error: 2870000
Relative Standard Error: 3.5
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	4.0	4.925633	25.0	146235.0	1.231408	Y
2	IC 480-594935/17	10.0	11.260197	25.0	148572.0	1.12602	Y
3	IC 480-594935/18	20.0	23.236494	25.0	157116.0	1.161825	Y
4	IC 480-594935/19	50.0	60.599239	25.0	145376.0	1.211985	Y
5	IC 480-594935/20	100.0	116.611443	25.0	148941.0	1.166114	Y
6	ICIS 480-594935/21	250.0	305.811597	25.0	146070.0	1.223246	Y
7	IC 480-594935/22	500.0	570.070014	25.0	141187.0	1.14014	Y
8	IC 480-594935/23	1000.0	1220.674608	25.0	135034.0	1.220675	Y



Calibration

/ Hexane

Curve Type: Linear
Weighting: Conc
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

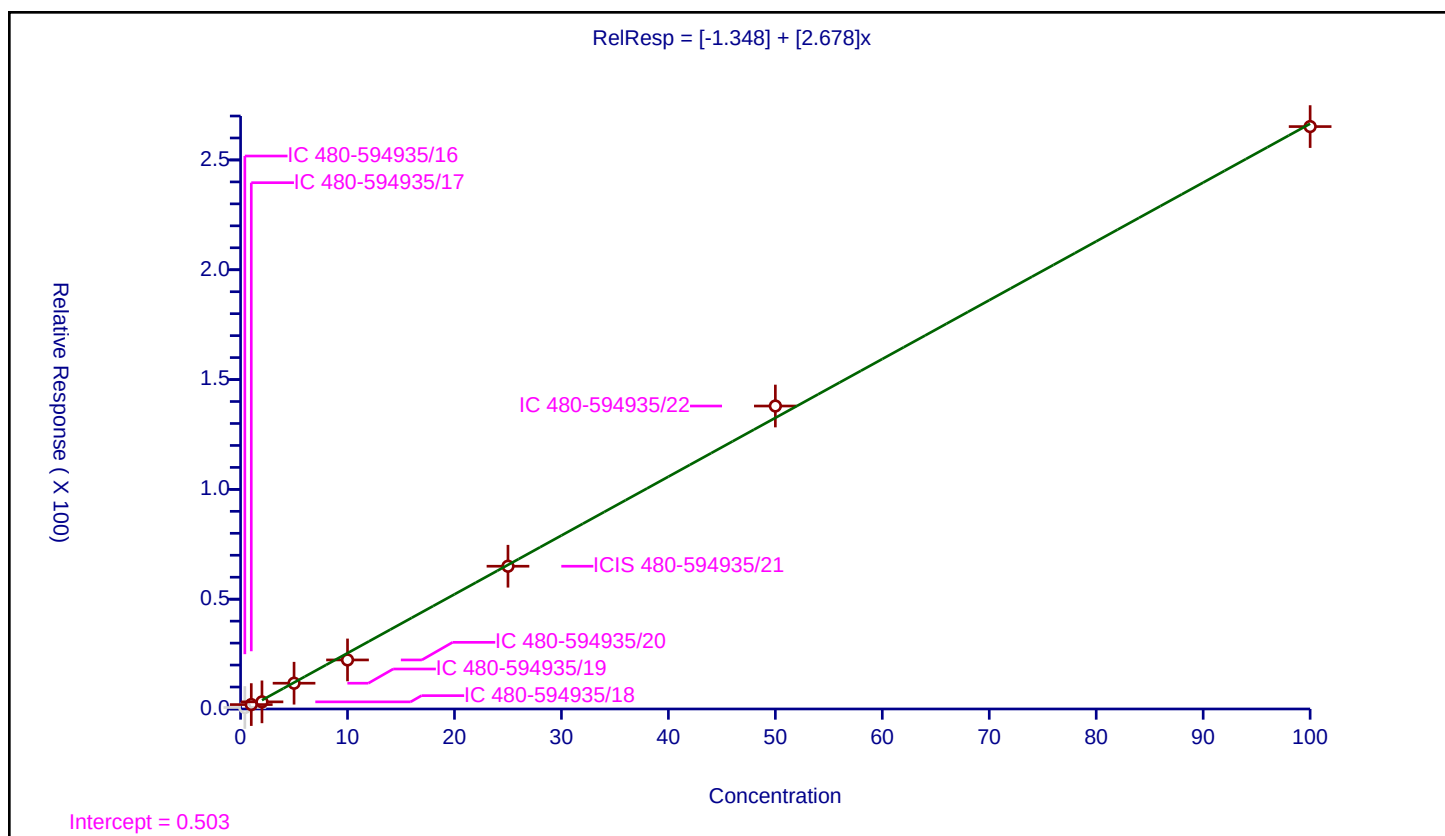
Curve Coefficients

Intercept: -1.348
Slope: 2.678

Error Coefficients

Standard Error: 752000
Relative Standard Error: 14.2
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.667932	25.0	146235.0	1.669829	N
2	IC 480-594935/17	1.0	2.012661	25.0	148572.0	2.012661	Y
3	IC 480-594935/18	2.0	3.24585	25.0	157116.0	1.622925	Y
4	IC 480-594935/19	5.0	11.734399	25.0	145376.0	2.34688	Y
5	IC 480-594935/20	10.0	22.331662	25.0	148941.0	2.233166	Y
6	ICIS 480-594935/21	25.0	64.99846	25.0	146070.0	2.599938	Y
7	IC 480-594935/22	50.0	137.954805	25.0	141187.0	2.759096	Y
8	IC 480-594935/23	100.0	265.193951	25.0	135034.0	2.65194	Y



Calibration

/ 1,1-Dichloroethane

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

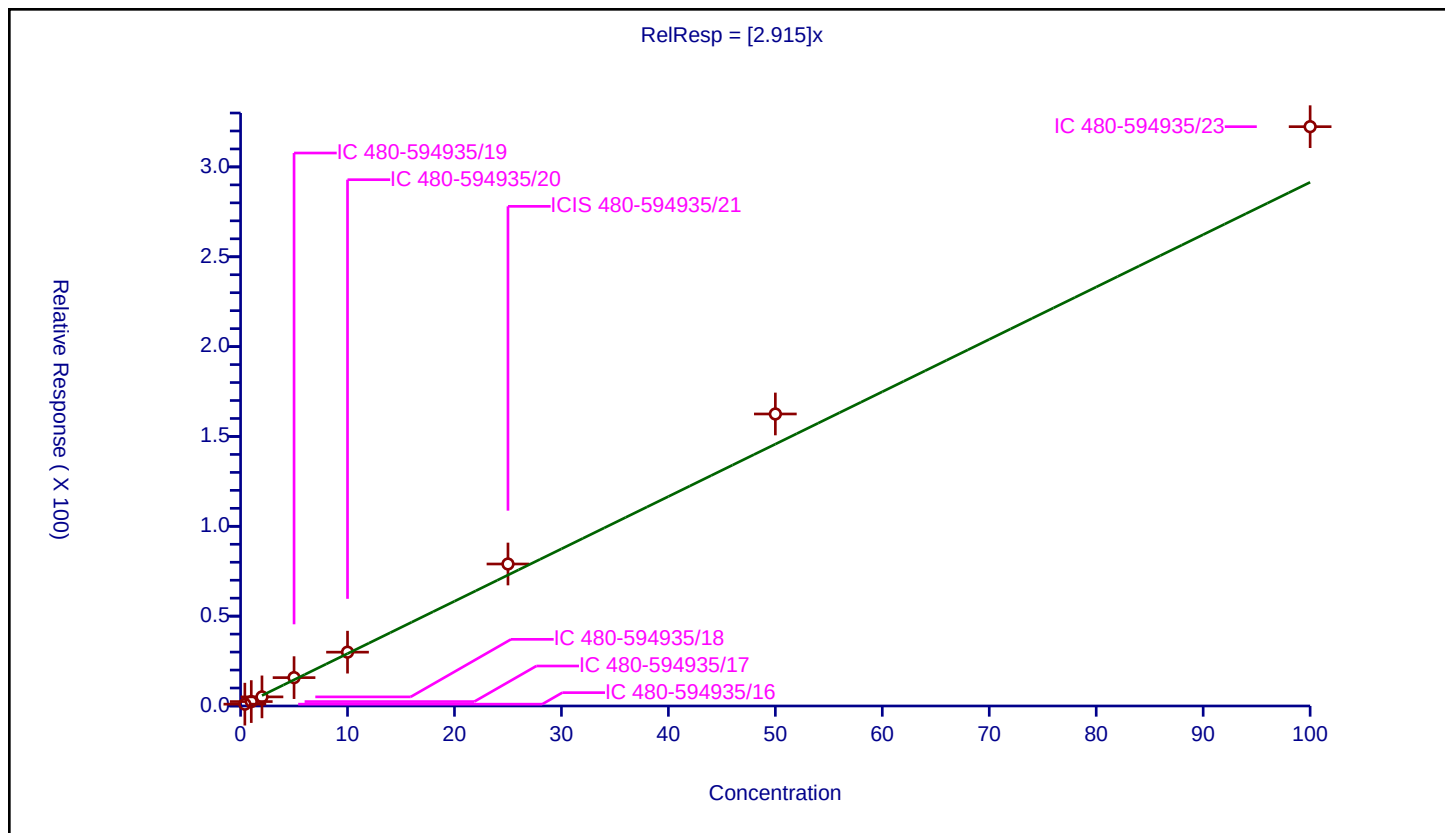
Curve Coefficients

Intercept: 0
 Slope: 2.915

Error Coefficients

Standard Error: 768000
 Relative Standard Error: 11.8
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	1.014976	25.0	146235.0	2.53744	Y
2	IC 480-594935/17	1.0	2.459582	25.0	148572.0	2.459582	Y
3	IC 480-594935/18	2.0	5.065366	25.0	157116.0	2.532683	Y
4	IC 480-594935/19	5.0	15.786478	25.0	145376.0	3.157296	Y
5	IC 480-594935/20	10.0	29.948268	25.0	148941.0	2.994827	Y
6	ICIS 480-594935/21	25.0	79.02136	25.0	146070.0	3.160854	Y
7	IC 480-594935/22	50.0	162.508234	25.0	141187.0	3.250165	Y
8	IC 480-594935/23	100.0	322.398988	25.0	135034.0	3.22399	Y



Calibration

/ Vinyl acetate

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

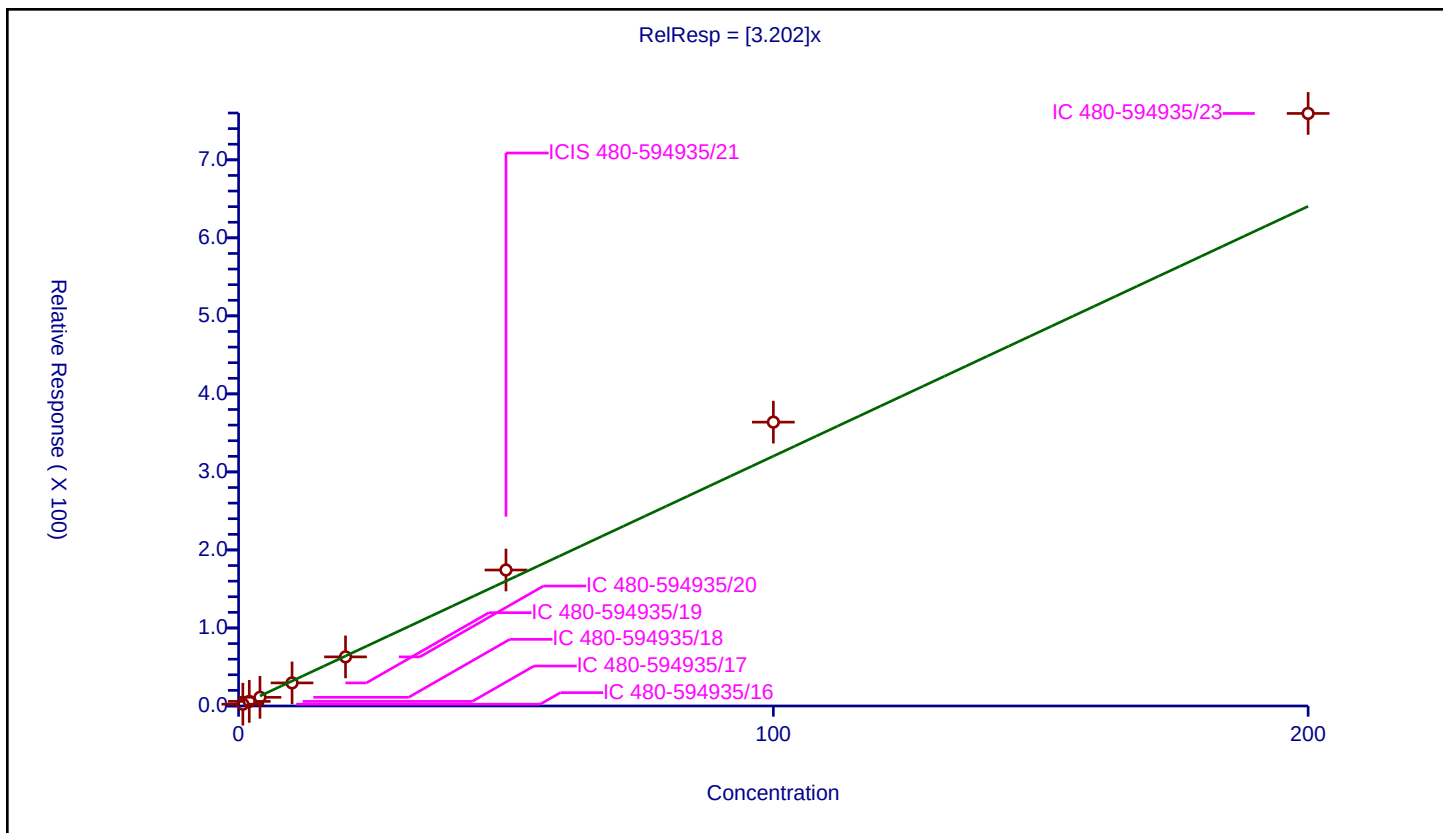
Curve Coefficients

Intercept: 0
Slope: 3.202

Error Coefficients

Standard Error: 1780000
Relative Standard Error: 12.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.8	2.296304	25.0	146235.0	2.87038	Y
2	IC 480-594935/17	2.0	5.883511	25.0	148572.0	2.941756	Y
3	IC 480-594935/18	4.0	11.1144	25.0	157116.0	2.7786	Y
4	IC 480-594935/19	10.0	29.572282	25.0	145376.0	2.957228	Y
5	IC 480-594935/20	20.0	62.945562	25.0	148941.0	3.147278	Y
6	ICIS 480-594935/21	50.0	174.29212	25.0	146070.0	3.485842	Y
7	IC 480-594935/22	100.0	363.802085	25.0	141187.0	3.638021	Y
8	IC 480-594935/23	200.0	759.436512	25.0	135034.0	3.797183	Y



Calibration

/ 2,2-Dichloropropane

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

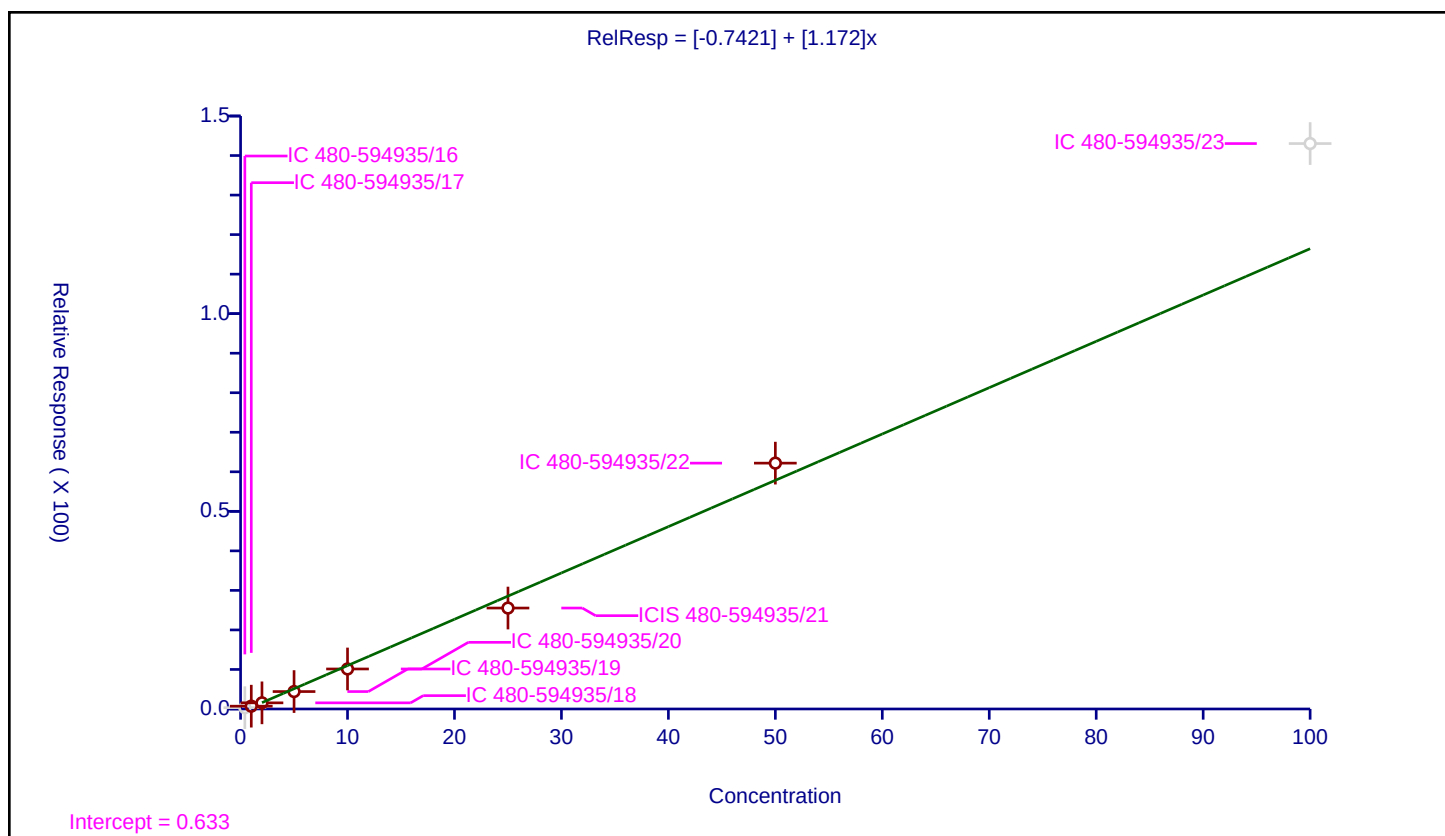
Curve Coefficients

Intercept: -0.7421
 Slope: 1.172

Error Coefficients

Standard Error: 194000
 Relative Standard Error: 15.5
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.329606	25.0	146235.0	0.824016	N
2	IC 480-594935/17	1.0	0.714805	25.0	148572.0	0.714805	Y
3	IC 480-594935/18	2.0	1.552197	25.0	157116.0	0.776099	Y
4	IC 480-594935/19	5.0	4.410288	25.0	145376.0	0.882058	Y
5	IC 480-594935/20	10.0	10.12364	25.0	148941.0	1.012364	Y
6	ICIS 480-594935/21	25.0	25.532621	25.0	146070.0	1.021305	Y
7	IC 480-594935/22	50.0	62.190039	25.0	141187.0	1.243801	Y
8	IC 480-594935/23	100.0	143.032866	25.0	135034.0	1.430329	N



Calibration

/ cis-1,2-Dichloroethene

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

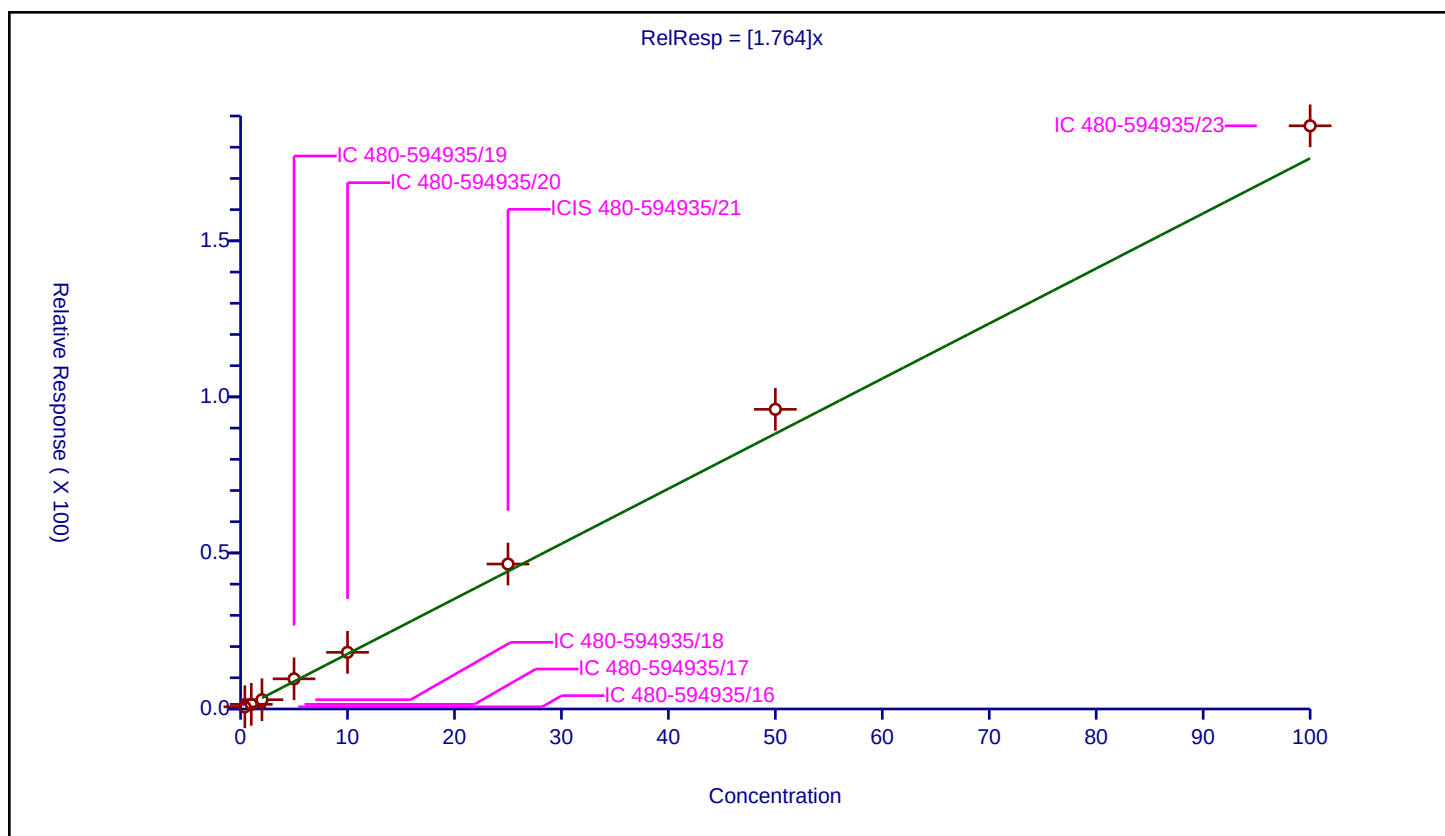
Curve Coefficients

Intercept: 0
Slope: 1.764

Error Coefficients

Standard Error: 447000
Relative Standard Error: 10.2
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.696824	25.0	146235.0	1.742059	Y
2	IC 480-594935/17	1.0	1.493888	25.0	148572.0	1.493888	Y
3	IC 480-594935/18	2.0	2.973122	25.0	157116.0	1.486561	Y
4	IC 480-594935/19	5.0	9.656167	25.0	145376.0	1.931233	Y
5	IC 480-594935/20	10.0	18.148797	25.0	148941.0	1.81488	Y
6	ICIS 480-594935/21	25.0	46.439892	25.0	146070.0	1.857596	Y
7	IC 480-594935/22	50.0	96.016276	25.0	141187.0	1.920326	Y
8	IC 480-594935/23	100.0	186.864975	25.0	135034.0	1.86865	Y



Calibration

/ 2-Butanone (MEK)

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

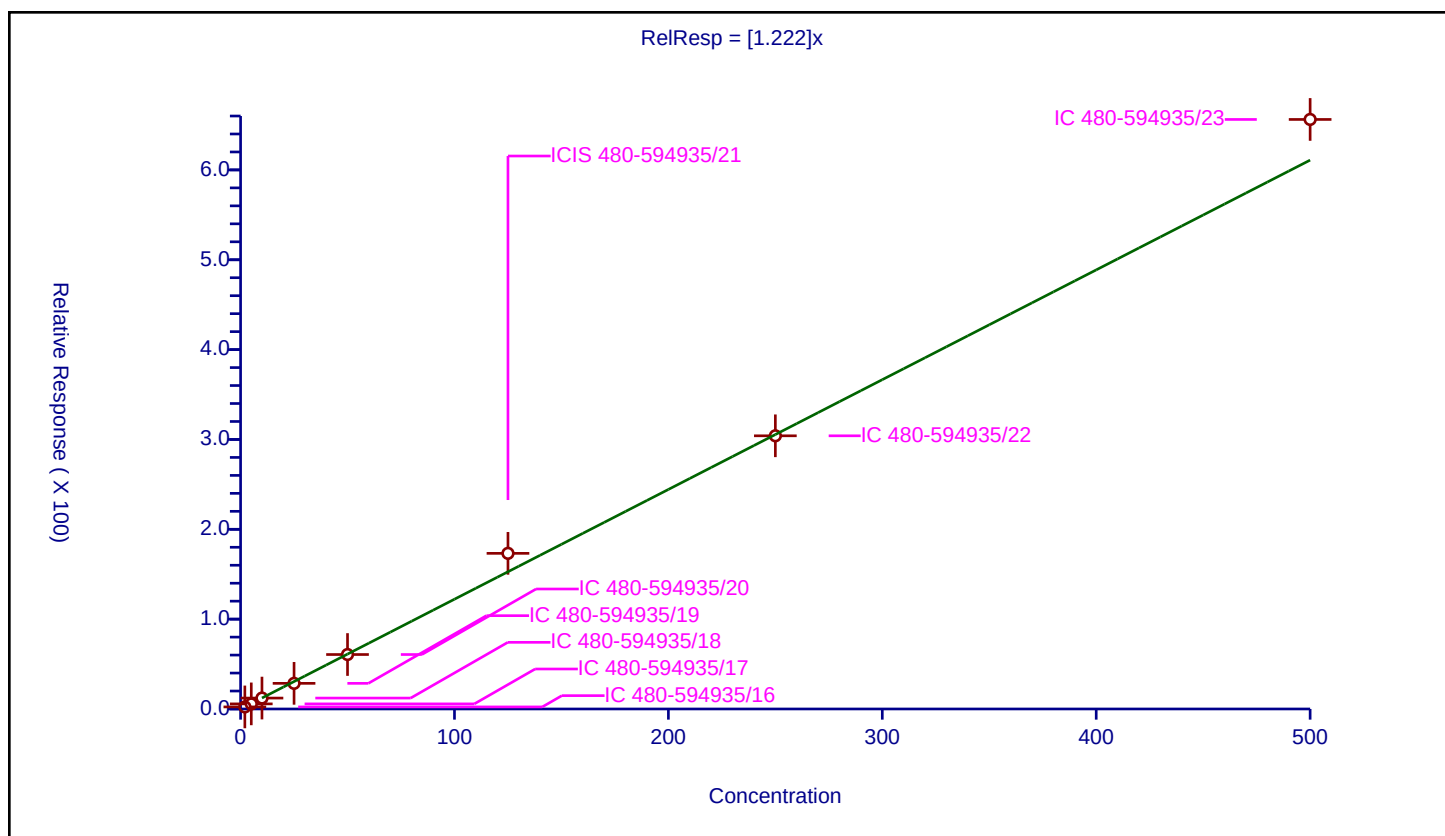
Curve Coefficients

Intercept: 0
 Slope: 1.222

Error Coefficients

Standard Error: 1540000
 Relative Standard Error: 7.2
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	2.0	2.30981	25.0	146235.0	1.154905	Y
2	IC 480-594935/17	5.0	5.676541	25.0	148572.0	1.135308	Y
3	IC 480-594935/18	10.0	12.161715	25.0	157116.0	1.216171	Y
4	IC 480-594935/19	25.0	28.526545	25.0	145376.0	1.141062	Y
5	IC 480-594935/20	50.0	60.625684	25.0	148941.0	1.212514	Y
6	ICIS 480-594935/21	125.0	173.218833	25.0	146070.0	1.385751	Y
7	IC 480-594935/22	250.0	304.076331	25.0	141187.0	1.216305	Y
8	IC 480-594935/23	500.0	656.182702	25.0	135034.0	1.312365	Y



Calibration

/ Chlorobromomethane

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

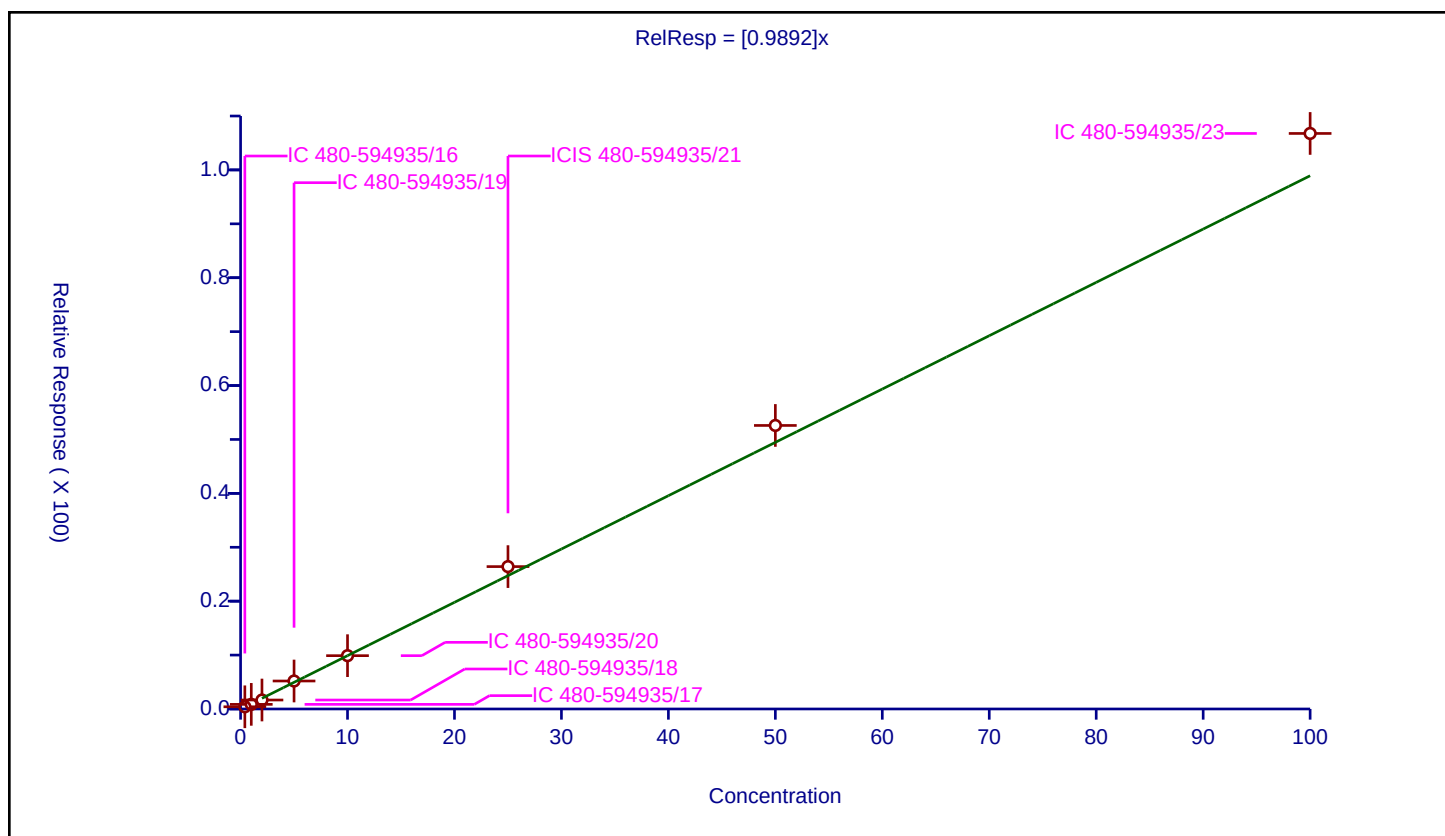
Curve Coefficients

Intercept: 0
 Slope: 0.9892

Error Coefficients

Standard Error: 253000
 Relative Standard Error: 9.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.407221	25.0	146235.0	1.018053	Y
2	IC 480-594935/17	1.0	0.860357	25.0	148572.0	0.860357	Y
3	IC 480-594935/18	2.0	1.664216	25.0	157116.0	0.832108	Y
4	IC 480-594935/19	5.0	5.189474	25.0	145376.0	1.037895	Y
5	IC 480-594935/20	10.0	9.890326	25.0	148941.0	0.989033	Y
6	ICIS 480-594935/21	25.0	26.413706	25.0	146070.0	1.056548	Y
7	IC 480-594935/22	50.0	52.595494	25.0	141187.0	1.05191	Y
8	IC 480-594935/23	100.0	106.765333	25.0	135034.0	1.067653	Y



Calibration

/ Tetrahydrofuran

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

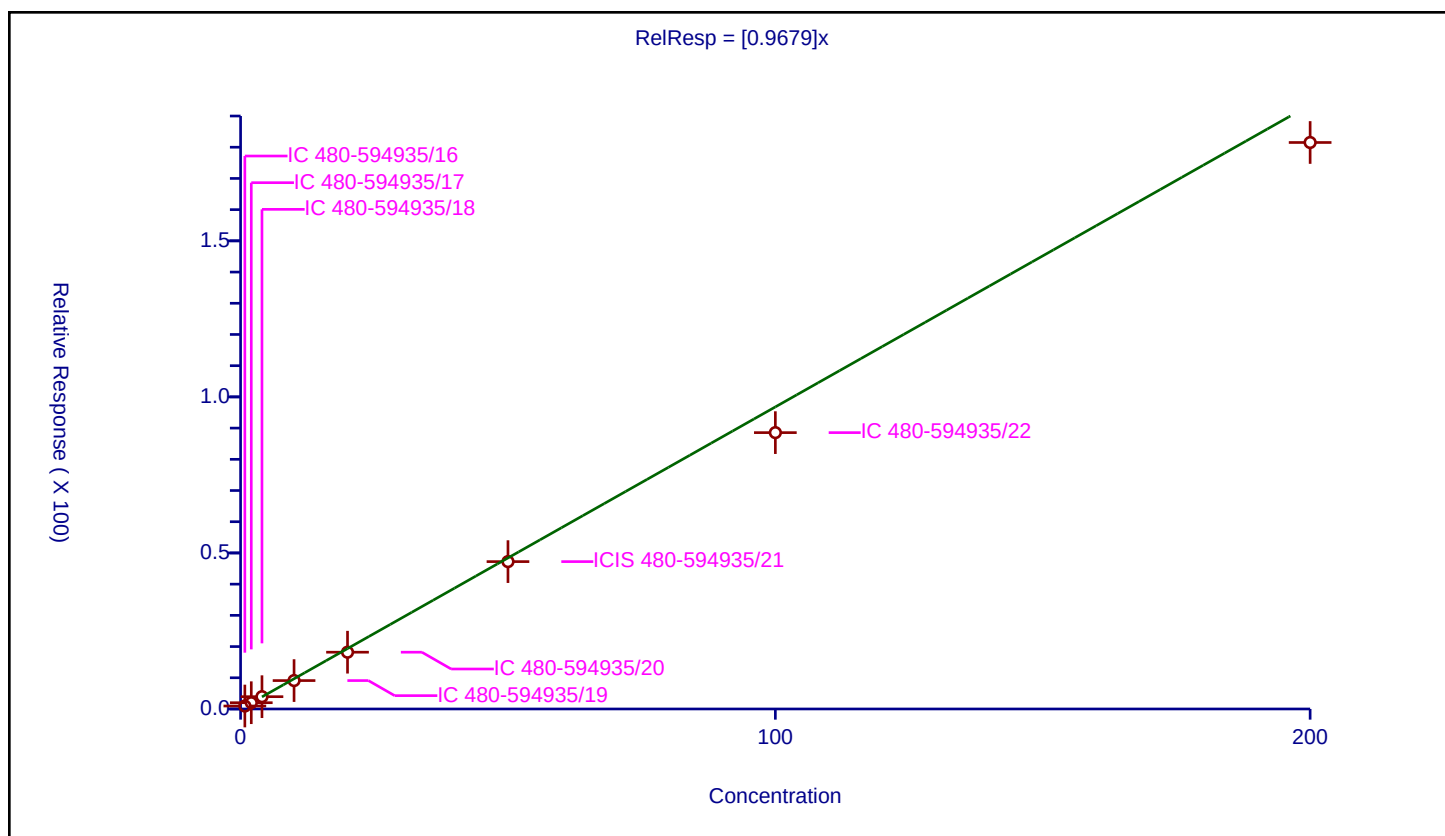
Curve Coefficients

Intercept: 0
Slope: 0.9679

Error Coefficients

Standard Error: 431000
Relative Standard Error: 10.4
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.8	0.955312	25.0	146235.0	1.19414	Y
2	IC 480-594935/17	2.0	2.009968	25.0	148572.0	1.004984	Y
3	IC 480-594935/18	4.0	3.945493	25.0	157116.0	0.986373	Y
4	IC 480-594935/19	10.0	9.100367	25.0	145376.0	0.910037	Y
5	IC 480-594935/20	20.0	18.197138	25.0	148941.0	0.909857	Y
6	ICIS 480-594935/21	50.0	47.222393	25.0	146070.0	0.944448	Y
7	IC 480-594935/22	100.0	88.551177	25.0	141187.0	0.885512	Y
8	IC 480-594935/23	200.0	181.511138	25.0	135034.0	0.907556	Y



Calibration

/ Chloroform

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

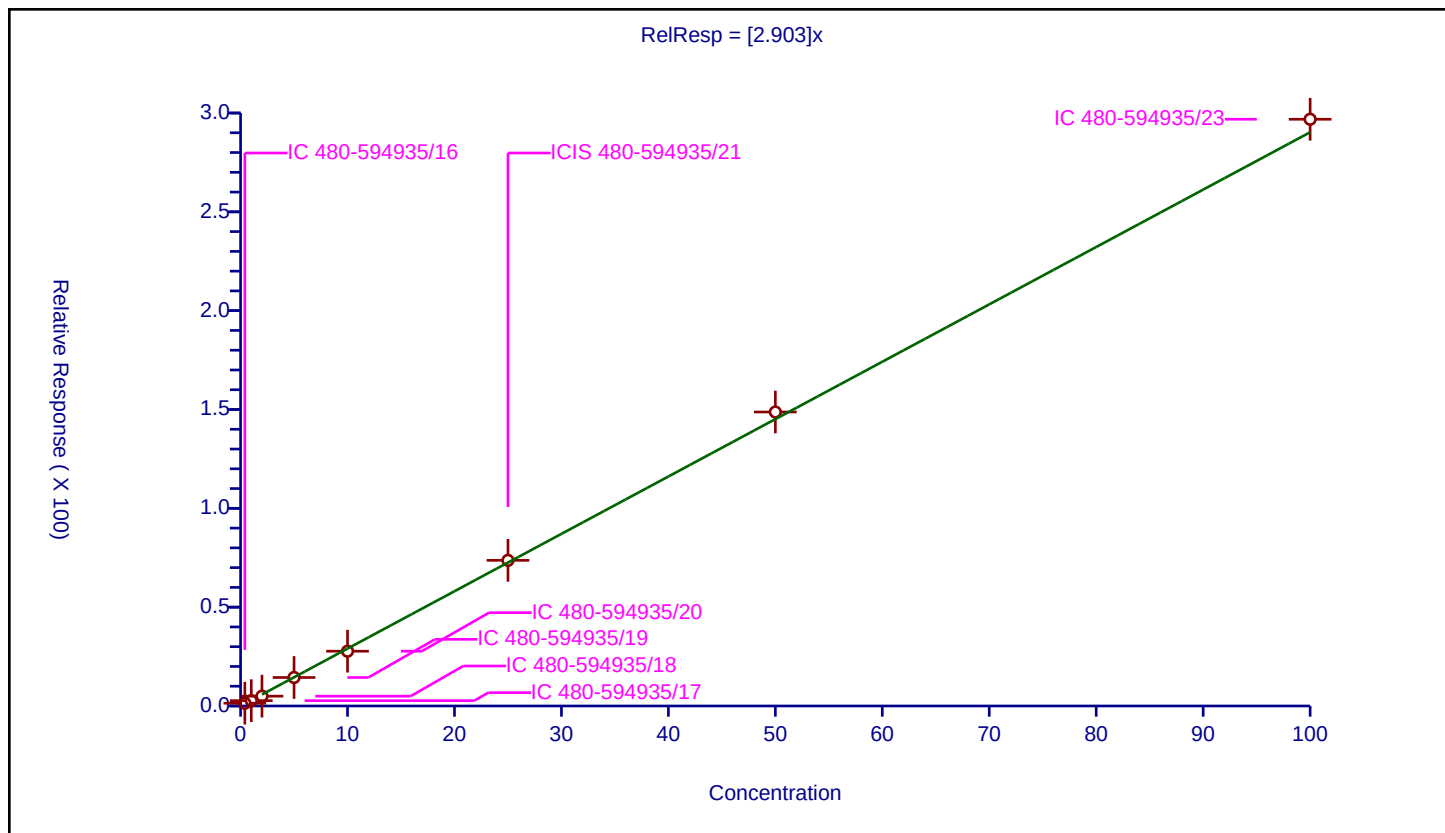
Curve Coefficients

Intercept: 0
 Slope: 2.903

Error Coefficients

Standard Error: 707000
 Relative Standard Error: 10.1
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	1.398605	25.0	146235.0	3.496512	Y
2	IC 480-594935/17	1.0	2.689773	25.0	148572.0	2.689773	Y
3	IC 480-594935/18	2.0	4.975623	25.0	157116.0	2.487812	Y
4	IC 480-594935/19	5.0	14.420709	25.0	145376.0	2.884142	Y
5	IC 480-594935/20	10.0	27.723394	25.0	148941.0	2.772339	Y
6	ICIS 480-594935/21	25.0	73.680941	25.0	146070.0	2.947238	Y
7	IC 480-594935/22	50.0	148.729168	25.0	141187.0	2.974583	Y
8	IC 480-594935/23	100.0	296.841721	25.0	135034.0	2.968417	Y



Calibration

/ 1,1,1-Trichloroethane

Curve Type: Linear
Weighting: Conc
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

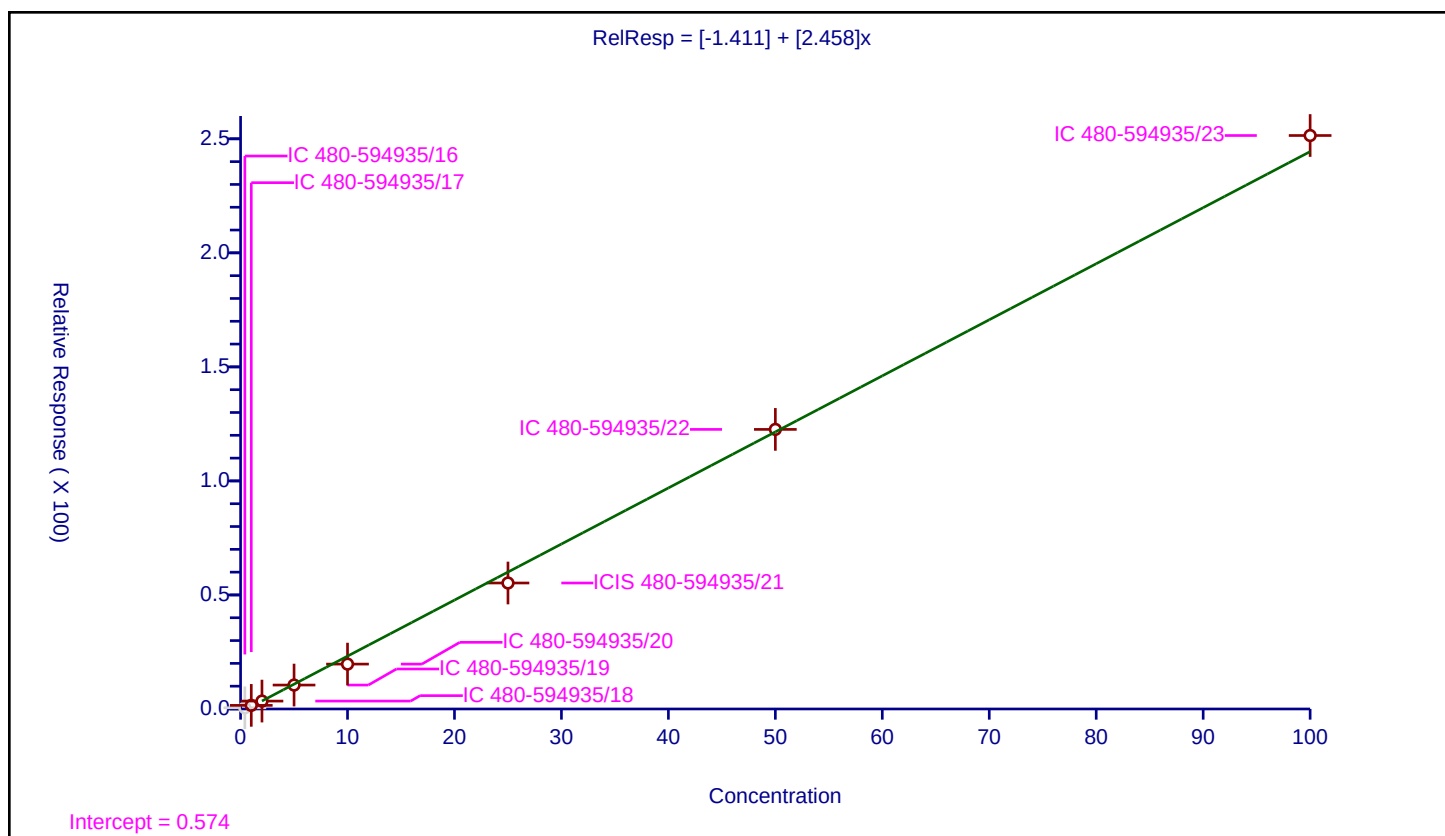
Curve Coefficients

Intercept: -1.411
Slope: 2.458

Error Coefficients

Standard Error: 699000
Relative Standard Error: 12.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.537662	25.0	146235.0	1.344155	N
2	IC 480-594935/17	1.0	1.589633	25.0	148572.0	1.589633	Y
3	IC 480-594935/18	2.0	3.469252	25.0	157116.0	1.734626	Y
4	IC 480-594935/19	5.0	10.488836	25.0	145376.0	2.097767	Y
5	IC 480-594935/20	10.0	19.689172	25.0	148941.0	1.968917	Y
6	ICIS 480-594935/21	25.0	55.24235	25.0	146070.0	2.209694	Y
7	IC 480-594935/22	50.0	122.594502	25.0	141187.0	2.45189	Y
8	IC 480-594935/23	100.0	251.451857	25.0	135034.0	2.514519	Y



Calibration

/ Cyclohexane

Curve Type: Linear
Weighting: Conc
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

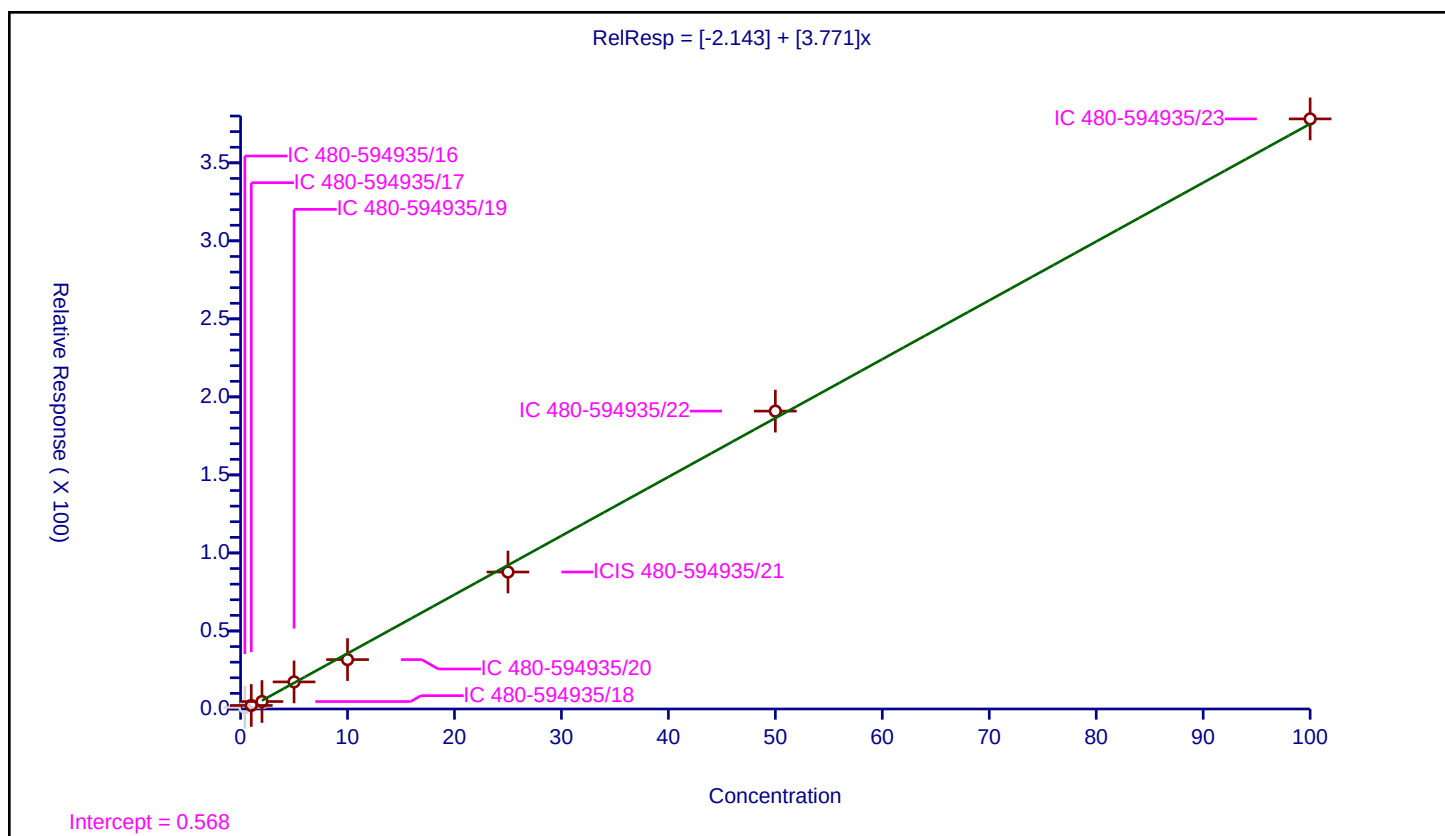
Curve Coefficients

Intercept: -2.143
Slope: 3.771

Error Coefficients

Standard Error: 1060000
Relative Standard Error: 10.0
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	1.014463	25.0	146235.0	2.536158	N
2	IC 480-594935/17	1.0	2.261025	25.0	148572.0	2.261025	Y
3	IC 480-594935/18	2.0	4.769088	25.0	157116.0	2.384544	Y
4	IC 480-594935/19	5.0	17.348462	25.0	145376.0	3.469692	Y
5	IC 480-594935/20	10.0	31.652634	25.0	148941.0	3.165263	Y
6	ICIS 480-594935/21	25.0	87.783939	25.0	146070.0	3.511358	Y
7	IC 480-594935/22	50.0	190.892398	25.0	141187.0	3.817848	Y
8	IC 480-594935/23	100.0	378.14606	25.0	135034.0	3.781461	Y



Calibration

/ Dibromofluoromethane (Surr)

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

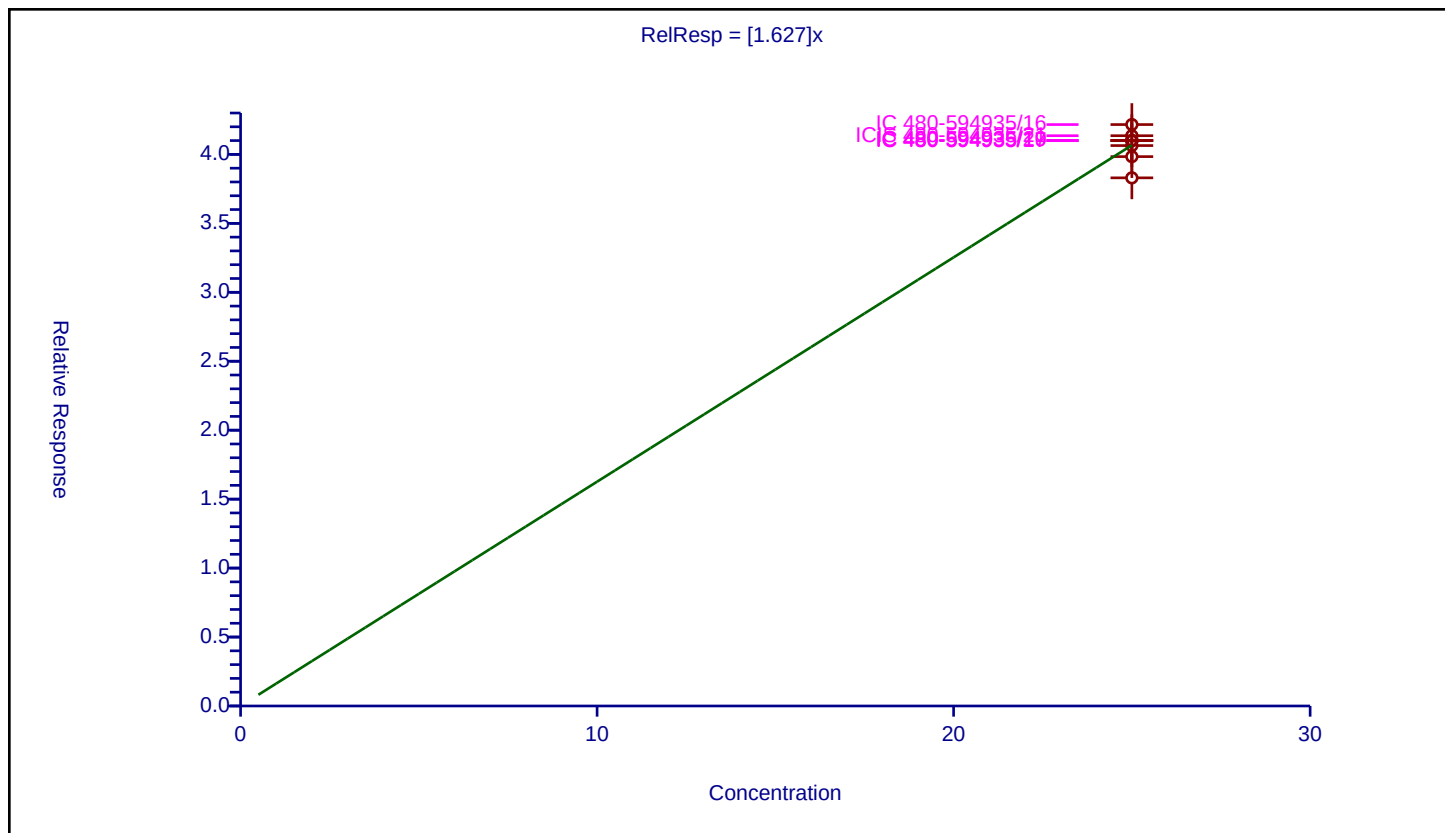
Curve Coefficients

Intercept: 0
Slope: 1.627

Error Coefficients

Standard Error: 254000
Relative Standard Error: 2.8
Correlation Coefficient: NA
Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	25.0	42.16176	25.0	146235.0	1.68647	Y
2	IC 480-594935/17	25.0	40.992414	25.0	148572.0	1.639697	Y
3	IC 480-594935/18	25.0	38.298932	25.0	157116.0	1.531957	Y
4	IC 480-594935/19	25.0	41.001266	25.0	145376.0	1.640051	Y
5	IC 480-594935/20	25.0	41.015906	25.0	148941.0	1.640636	Y
6	ICIS 480-594935/21	25.0	41.35483	25.0	146070.0	1.654193	Y
7	IC 480-594935/22	25.0	39.837945	25.0	141187.0	1.593518	Y
8	IC 480-594935/23	25.0	40.639765	25.0	135034.0	1.625591	Y



Calibration

/ Carbon tetrachloride

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

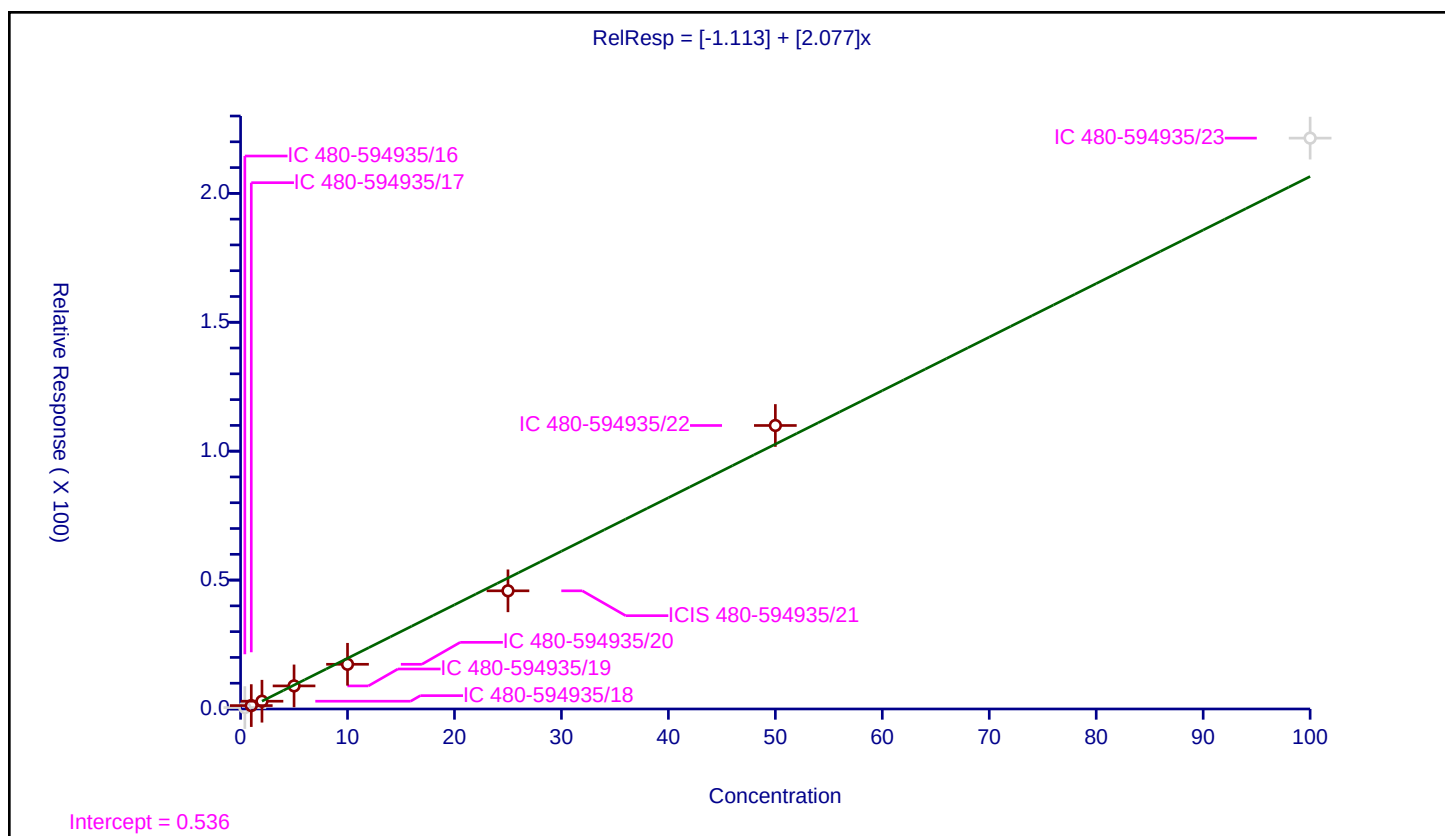
Curve Coefficients

Intercept: -1.113
 Slope: 2.077

Error Coefficients

Standard Error: 343000
 Relative Standard Error: 12.0
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.546039	25.0	146235.0	1.365097	N
2	IC 480-594935/17	1.0	1.322255	25.0	148572.0	1.322255	Y
3	IC 480-594935/18	2.0	3.019902	25.0	157116.0	1.509951	Y
4	IC 480-594935/19	5.0	8.954023	25.0	145376.0	1.790805	Y
5	IC 480-594935/20	10.0	17.335891	25.0	148941.0	1.733589	Y
6	ICIS 480-594935/21	25.0	45.841549	25.0	146070.0	1.833662	Y
7	IC 480-594935/22	50.0	109.969933	25.0	141187.0	2.199399	Y
8	IC 480-594935/23	100.0	221.422753	25.0	135034.0	2.214228	N



Calibration

/ 1,1-Dichloropropene

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

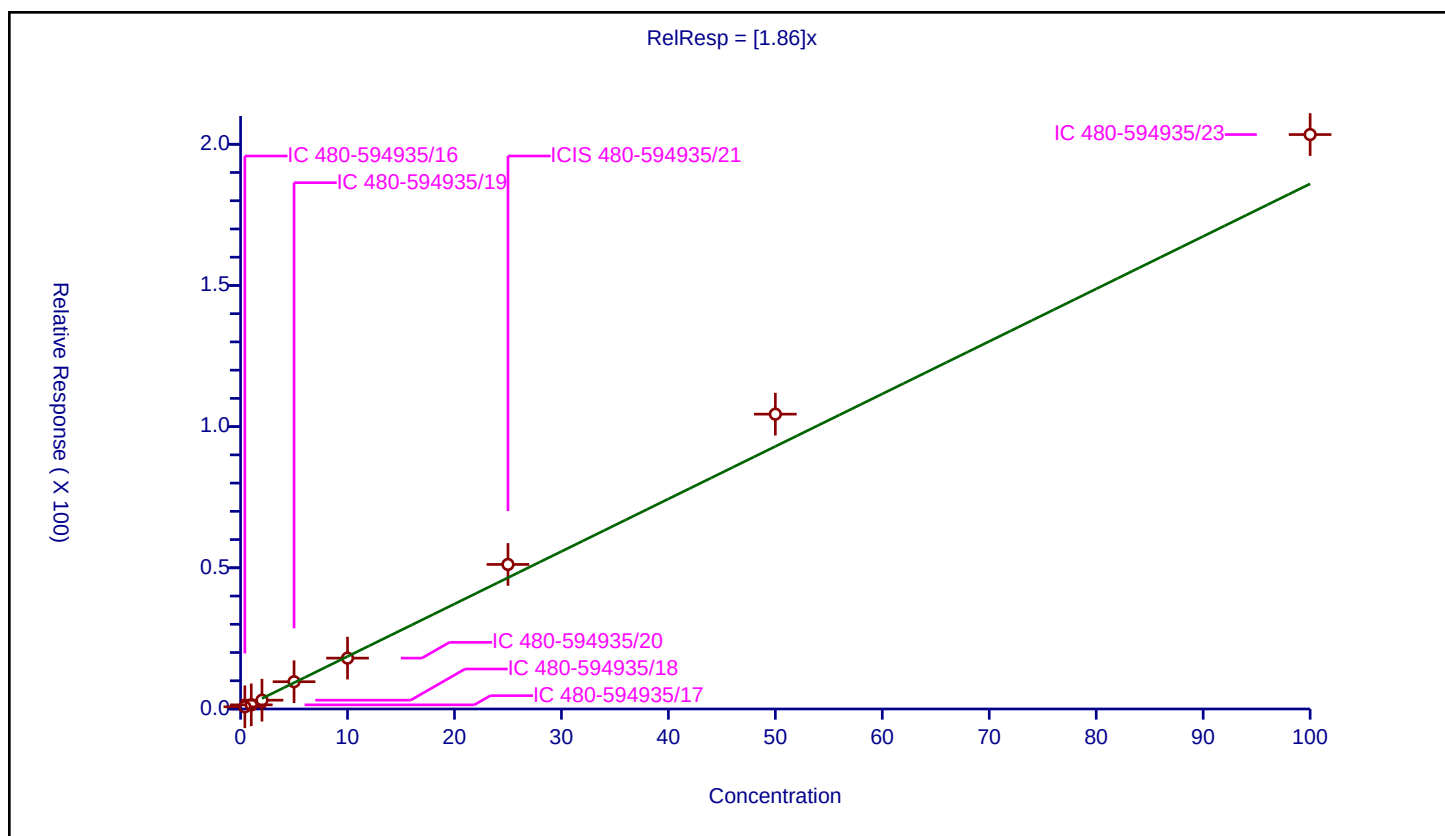
Curve Coefficients

Intercept: 0
 Slope: 1.86

Error Coefficients

Standard Error: 487000
 Relative Standard Error: 12.5
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.779567	25.0	146235.0	1.948918	Y
2	IC 480-594935/17	1.0	1.467134	25.0	148572.0	1.467134	Y
3	IC 480-594935/18	2.0	3.119192	25.0	157116.0	1.559596	Y
4	IC 480-594935/19	5.0	9.656511	25.0	145376.0	1.931302	Y
5	IC 480-594935/20	10.0	18.013173	25.0	148941.0	1.801317	Y
6	ICIS 480-594935/21	25.0	51.186589	25.0	146070.0	2.047464	Y
7	IC 480-594935/22	50.0	104.41365	25.0	141187.0	2.088273	Y
8	IC 480-594935/23	100.0	203.434691	25.0	135034.0	2.034347	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

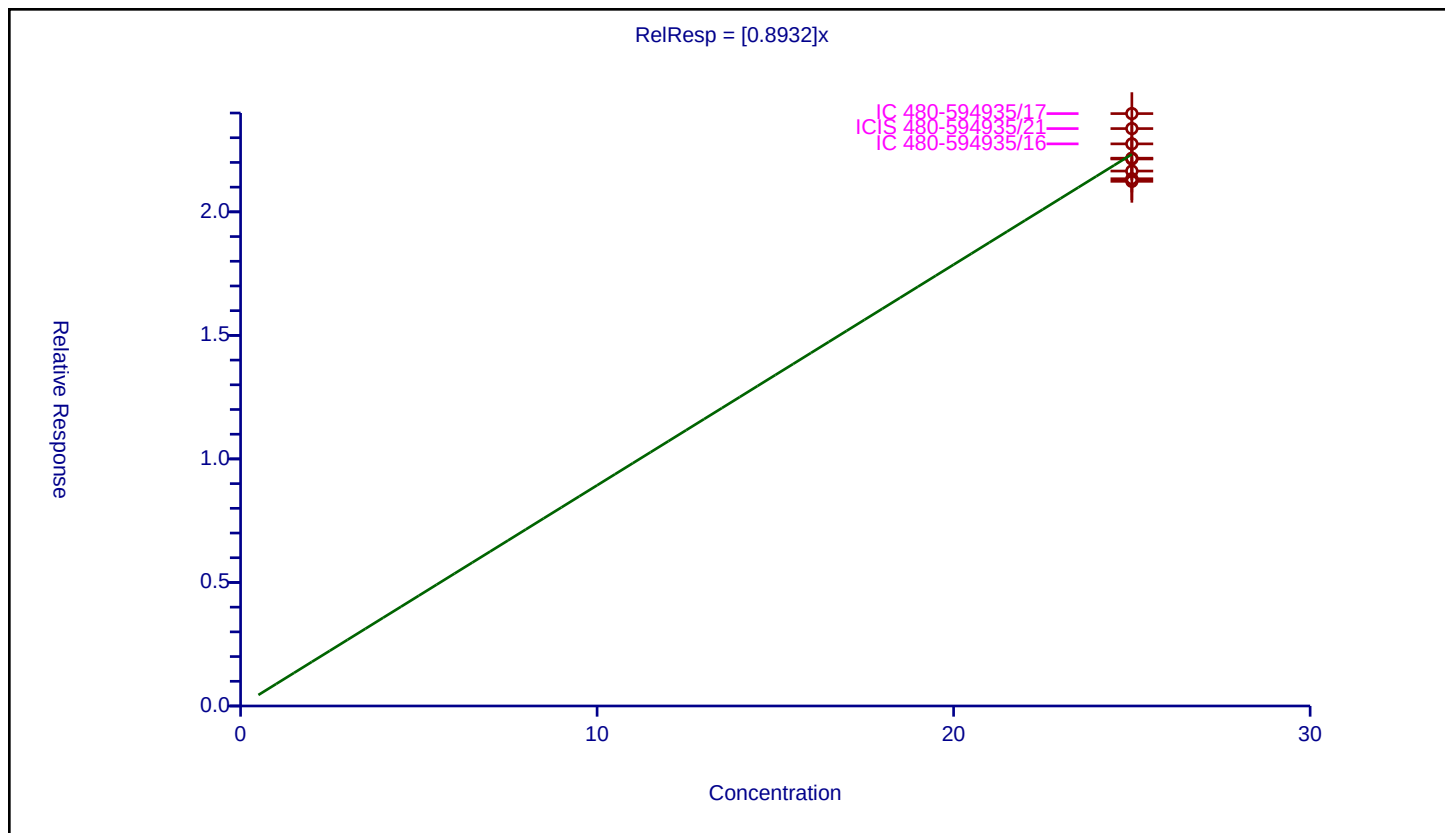
Curve Coefficients

Intercept: 0
 Slope: 0.8932

Error Coefficients

Standard Error: 140000
 Relative Standard Error: 4.4
 Correlation Coefficient: 0
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	25.0	22.751051	25.0	146235.0	0.910042	Y
2	IC 480-594935/17	25.0	23.97659	25.0	148572.0	0.959064	Y
3	IC 480-594935/18	25.0	21.339647	25.0	157116.0	0.853586	Y
4	IC 480-594935/19	25.0	22.139831	25.0	145376.0	0.885593	Y
5	IC 480-594935/20	25.0	22.172035	25.0	148941.0	0.886881	Y
6	ICIS 480-594935/21	25.0	23.36996	25.0	146070.0	0.934798	Y
7	IC 480-594935/22	25.0	21.65125	25.0	141187.0	0.86605	Y
8	IC 480-594935/23	25.0	21.235207	25.0	135034.0	0.849408	Y



Calibration

/ Benzene

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

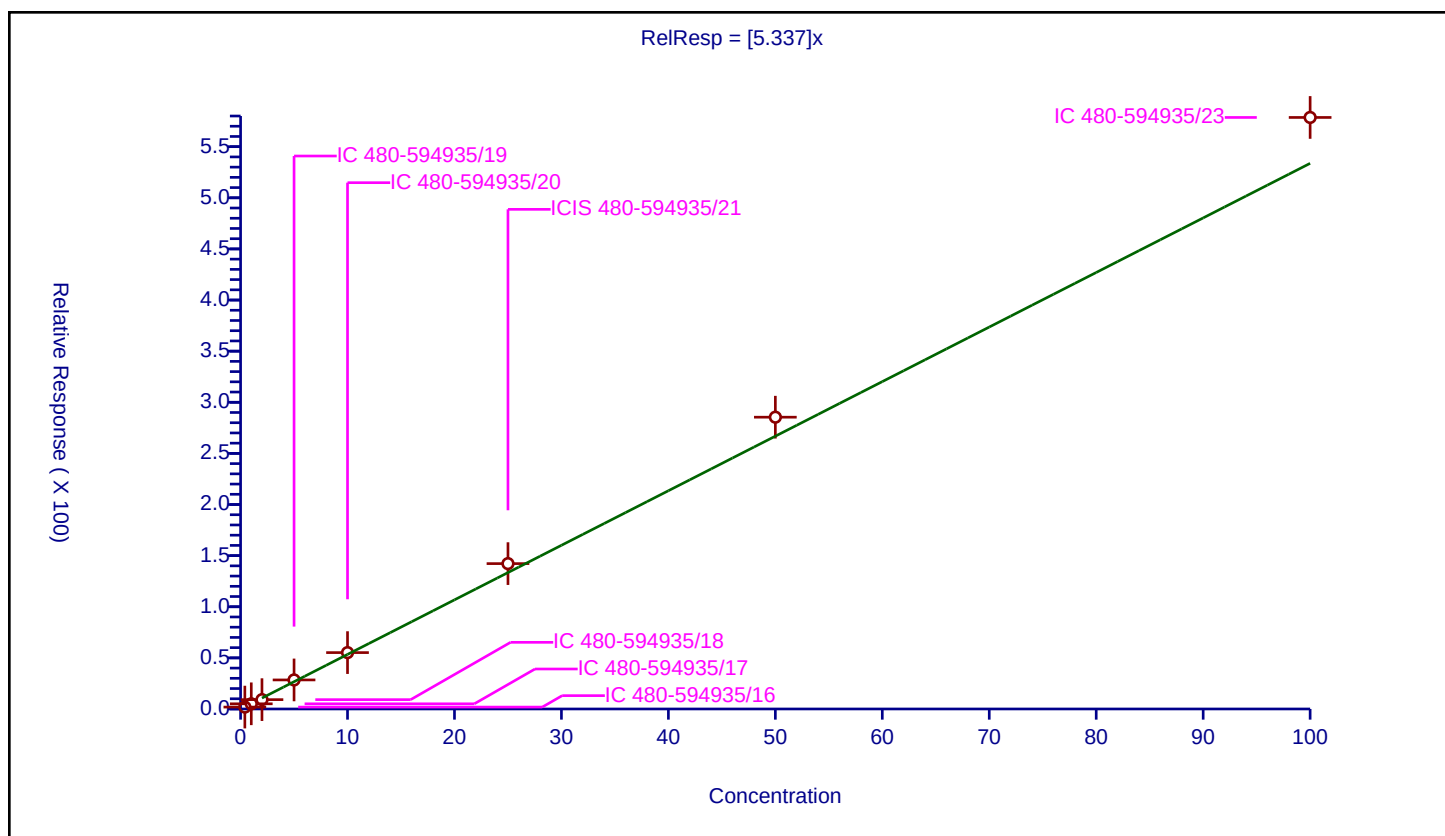
Curve Coefficients

Intercept: 0
Slope: 5.337

Error Coefficients

Standard Error: 1370000
Relative Standard Error: 9.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	1.87079	25.0	146235.0	4.676975	Y
2	IC 480-594935/17	1.0	5.066735	25.0	148572.0	5.066735	Y
3	IC 480-594935/18	2.0	9.146904	25.0	157116.0	4.573452	Y
4	IC 480-594935/19	5.0	28.406855	25.0	145376.0	5.681371	Y
5	IC 480-594935/20	10.0	55.150362	25.0	148941.0	5.515036	Y
6	ICIS 480-594935/21	25.0	142.187136	25.0	146070.0	5.687485	Y
7	IC 480-594935/22	50.0	285.415619	25.0	141187.0	5.708312	Y
8	IC 480-594935/23	100.0	578.58743	25.0	135034.0	5.785874	Y



Calibration

/ Isobutyl alcohol

Curve Type: Linear
Weighting: Conc
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

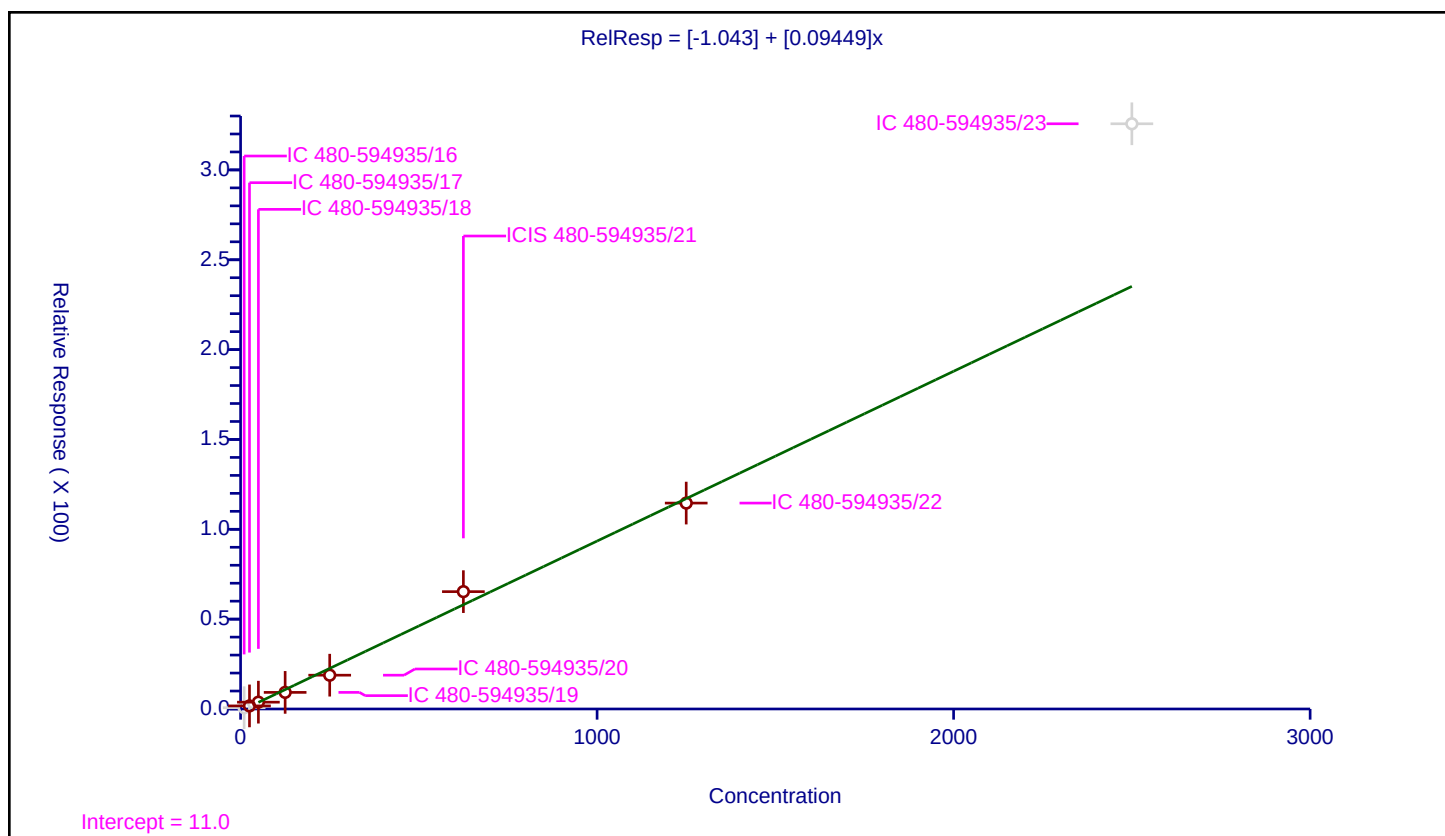
Curve Coefficients

Intercept: -1.043
Slope: 0.09449

Error Coefficients

Standard Error: 381000
Relative Standard Error: 14.6
Correlation Coefficient: 0.990
Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	10.0	0.708962	25.0	146235.0	0.070896	N
2	IC 480-594935/17	25.0	1.707758	25.0	148572.0	0.06831	Y
3	IC 480-594935/18	50.0	3.786852	25.0	157116.0	0.075737	Y
4	IC 480-594935/19	125.0	9.238973	25.0	145376.0	0.073912	Y
5	IC 480-594935/20	250.0	18.807615	25.0	148941.0	0.07523	Y
6	ICIS 480-594935/21	625.0	65.311152	25.0	146070.0	0.104498	Y
7	IC 480-594935/22	1250.0	114.588631	25.0	141187.0	0.091671	Y
8	IC 480-594935/23	2500.0	325.686123	25.0	135034.0	0.130274	N



Calibration

/ 1,2-Dichloroethane

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

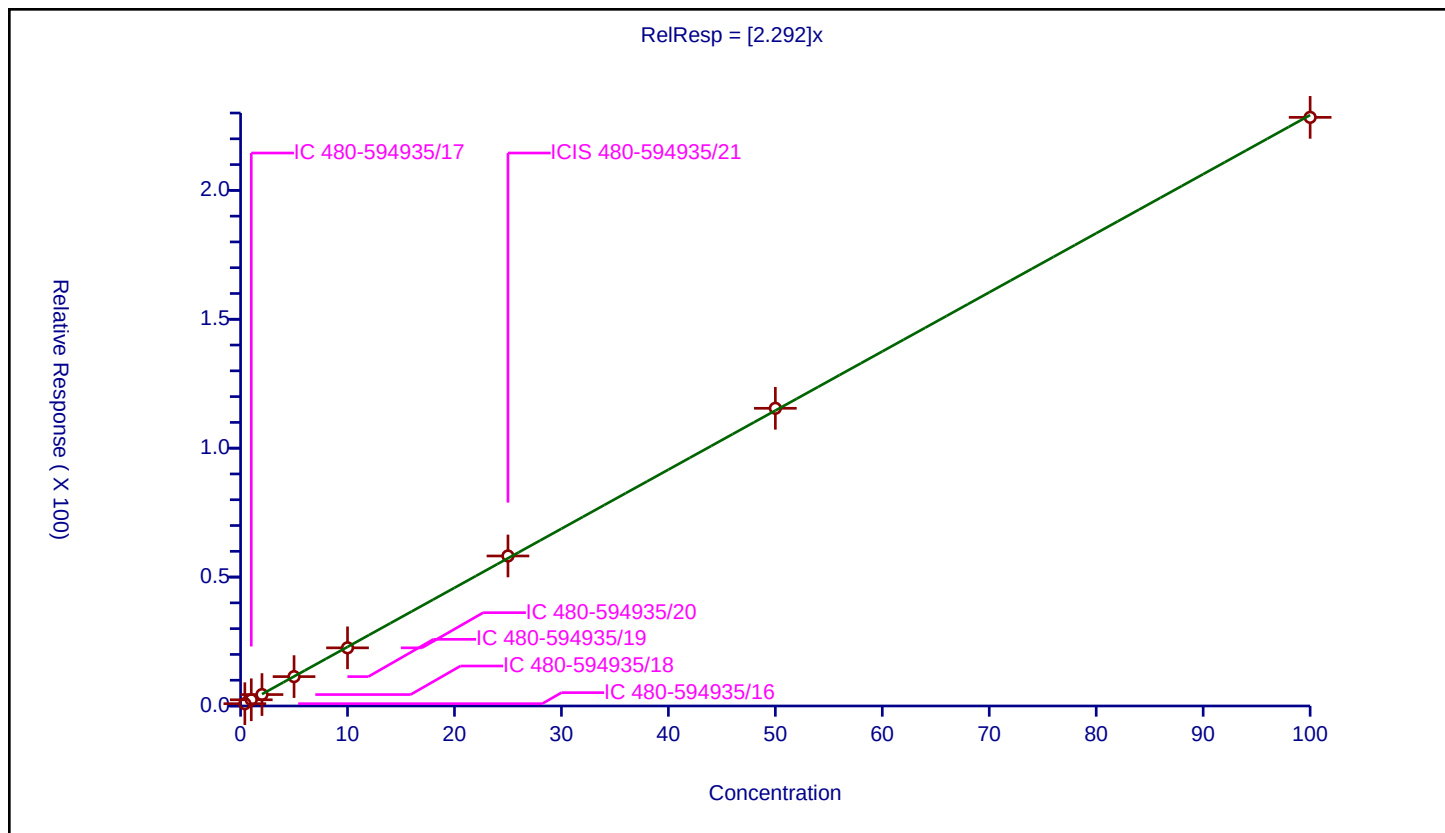
Curve Coefficients

Intercept: 0
 Slope: 2.292

Error Coefficients

Standard Error: 546000
 Relative Standard Error: 2.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.899238	25.0	146235.0	2.248094	Y
2	IC 480-594935/17	1.0	2.415664	25.0	148572.0	2.415664	Y
3	IC 480-594935/18	2.0	4.435258	25.0	157116.0	2.217629	Y
4	IC 480-594935/19	5.0	11.392355	25.0	145376.0	2.278471	Y
5	IC 480-594935/20	10.0	22.557422	25.0	148941.0	2.255742	Y
6	ICIS 480-594935/21	25.0	58.191278	25.0	146070.0	2.327651	Y
7	IC 480-594935/22	50.0	115.471325	25.0	141187.0	2.309427	Y
8	IC 480-594935/23	100.0	228.315461	25.0	135034.0	2.283155	Y



Calibration

/ n-Heptane

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

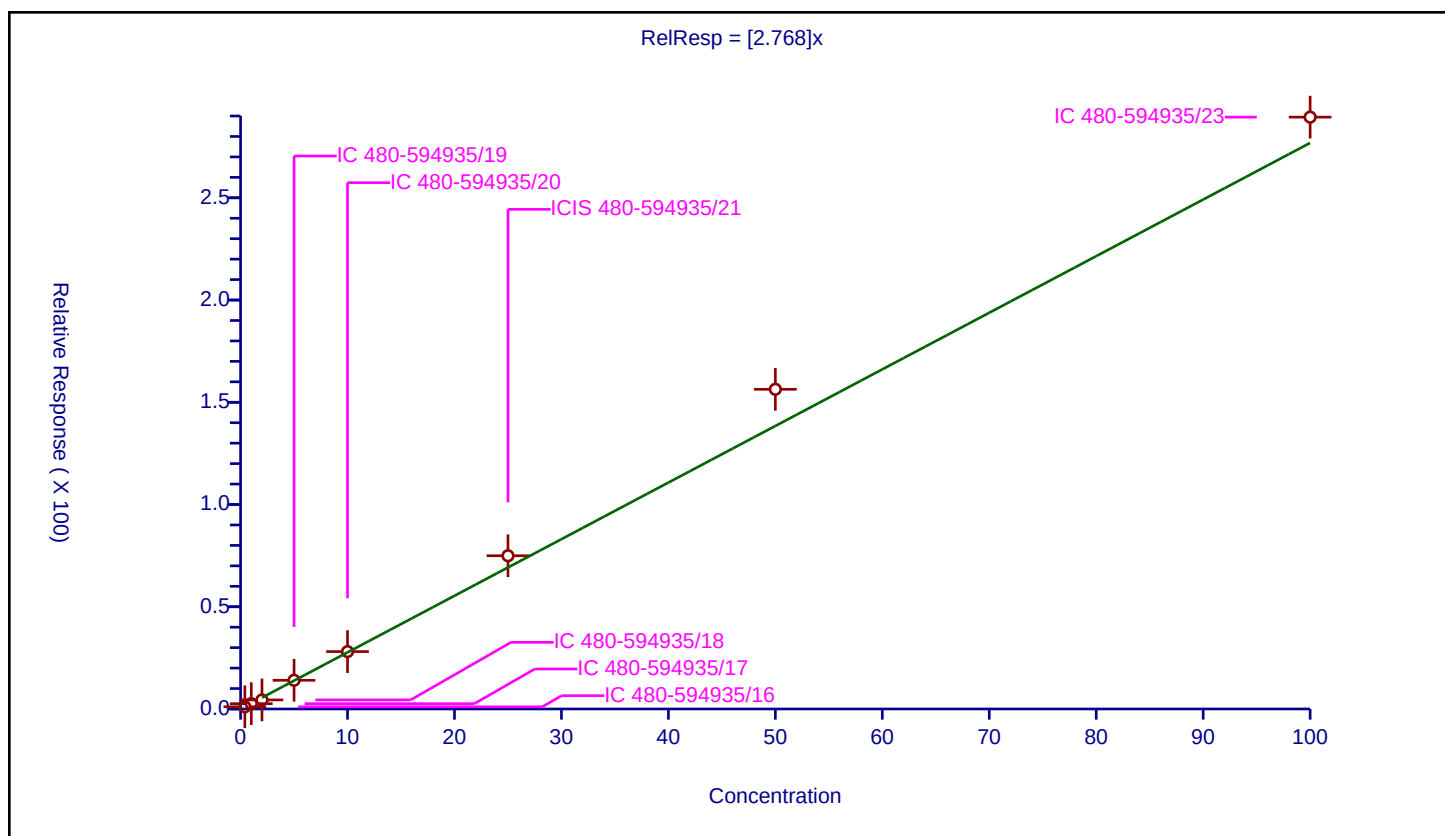
Curve Coefficients

Intercept: 0
Slope: 2.768

Error Coefficients

Standard Error: 702000
Relative Standard Error: 10.0
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	1.07635	25.0	146235.0	2.690874	Y
2	IC 480-594935/17	1.0	2.603788	25.0	148572.0	2.603788	Y
3	IC 480-594935/18	2.0	4.437167	25.0	157116.0	2.218584	Y
4	IC 480-594935/19	5.0	14.033437	25.0	145376.0	2.806687	Y
5	IC 480-594935/20	10.0	28.069504	25.0	148941.0	2.80695	Y
6	ICIS 480-594935/21	25.0	74.945403	25.0	146070.0	2.997816	Y
7	IC 480-594935/22	50.0	156.35363	25.0	141187.0	3.127073	Y
8	IC 480-594935/23	100.0	289.455248	25.0	135034.0	2.894552	Y



Calibration

/ Trichloroethene

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

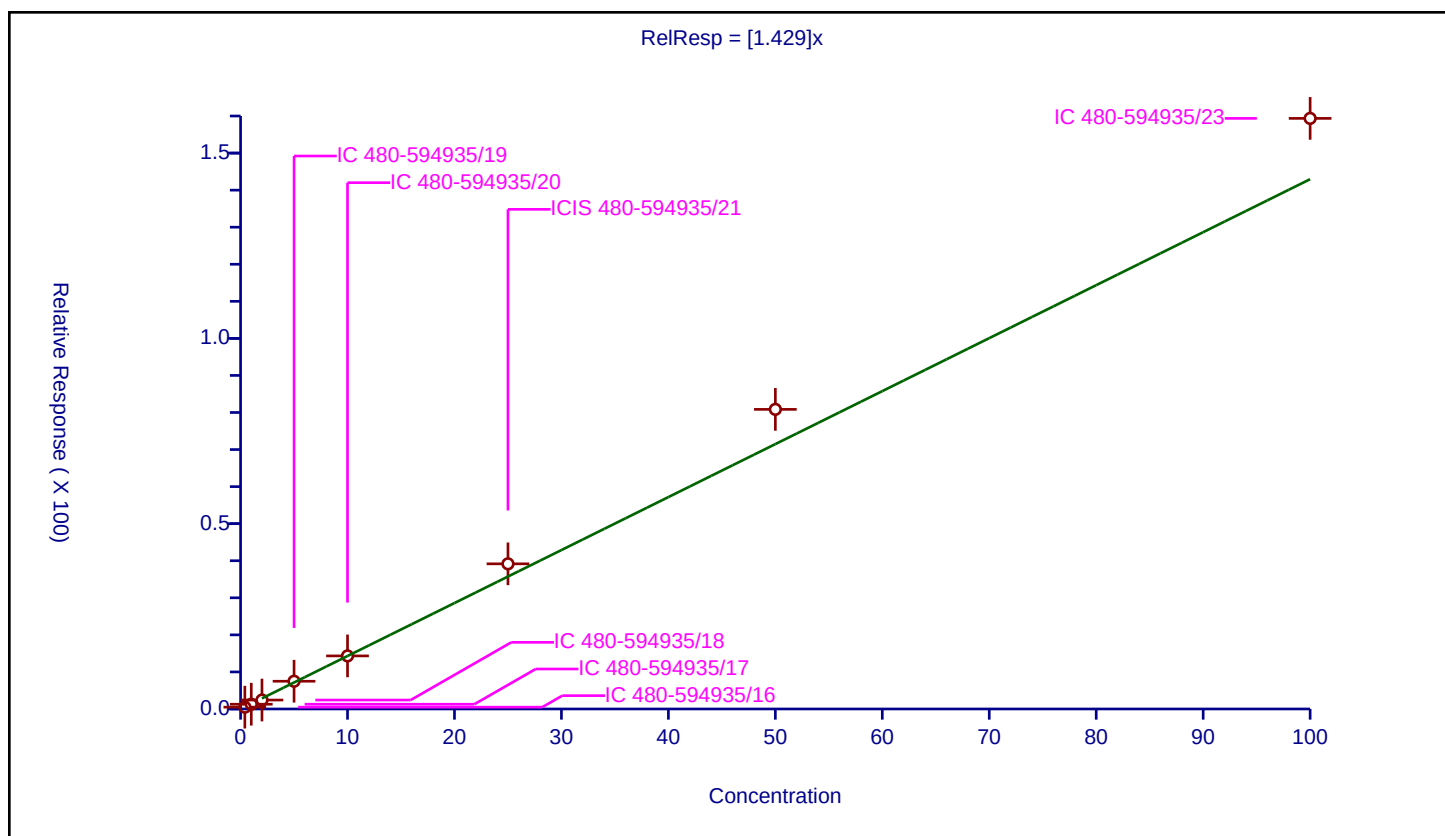
Curve Coefficients

Intercept: 0
Slope: 1.429

Error Coefficients

Standard Error: 380000
Relative Standard Error: 11.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.495948	25.0	146235.0	1.239871	Y
2	IC 480-594935/17	1.0	1.282543	25.0	148572.0	1.282543	Y
3	IC 480-594935/18	2.0	2.41239	25.0	157116.0	1.206195	Y
4	IC 480-594935/19	5.0	7.489716	25.0	145376.0	1.497943	Y
5	IC 480-594935/20	10.0	14.320436	25.0	148941.0	1.432044	Y
6	ICIS 480-594935/21	25.0	39.168036	25.0	146070.0	1.566721	Y
7	IC 480-594935/22	50.0	80.840658	25.0	141187.0	1.616813	Y
8	IC 480-594935/23	100.0	159.356532	25.0	135034.0	1.593565	Y



Calibration

/ Methylcyclohexane

Curve Type: Linear
Weighting: Conc
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

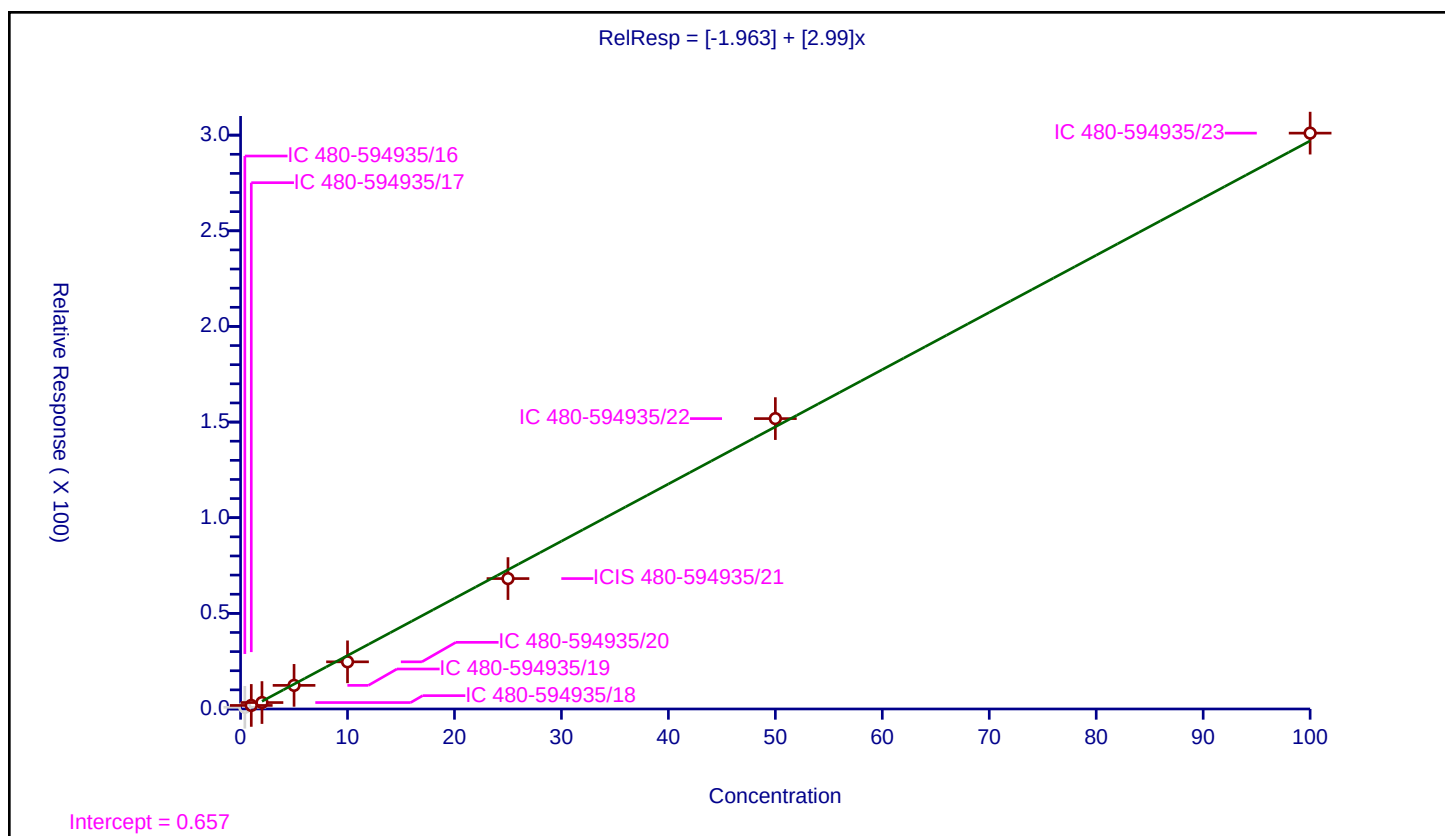
Curve Coefficients

Intercept: -1.963
Slope: 2.99

Error Coefficients

Standard Error: 844000
Relative Standard Error: 14.7
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.88009	25.0	146235.0	2.200226	N
2	IC 480-594935/17	1.0	1.862733	25.0	148572.0	1.862733	Y
3	IC 480-594935/18	2.0	3.373463	25.0	157116.0	1.686731	Y
4	IC 480-594935/19	5.0	12.344369	25.0	145376.0	2.468874	Y
5	IC 480-594935/20	10.0	24.653722	25.0	148941.0	2.465372	Y
6	ICIS 480-594935/21	25.0	68.177757	25.0	146070.0	2.72711	Y
7	IC 480-594935/22	50.0	151.817625	25.0	141187.0	3.036352	Y
8	IC 480-594935/23	100.0	301.04918	25.0	135034.0	3.010492	Y



Calibration

/ 1,2-Dichloropropane

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

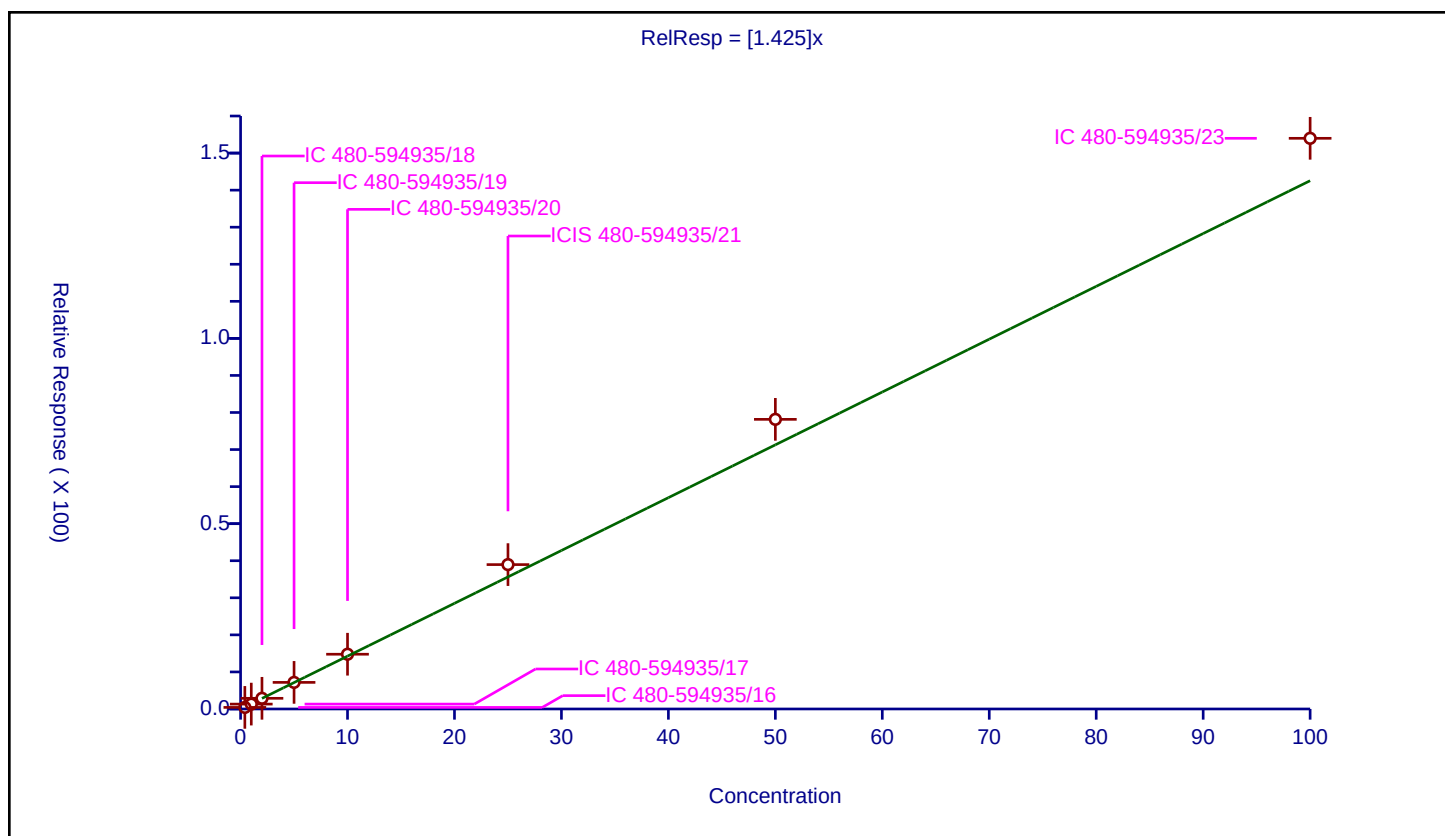
Curve Coefficients

Intercept: 0
 Slope: 1.425

Error Coefficients

Standard Error: 368000
 Relative Standard Error: 11.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.427052	25.0	146235.0	1.067631	Y
2	IC 480-594935/17	1.0	1.320572	25.0	148572.0	1.320572	Y
3	IC 480-594935/18	2.0	2.883538	25.0	157116.0	1.441769	Y
4	IC 480-594935/19	5.0	7.175187	25.0	145376.0	1.435037	Y
5	IC 480-594935/20	10.0	14.773299	25.0	148941.0	1.47733	Y
6	ICIS 480-594935/21	25.0	38.958376	25.0	146070.0	1.558335	Y
7	IC 480-594935/22	50.0	78.150609	25.0	141187.0	1.563012	Y
8	IC 480-594935/23	100.0	153.987144	25.0	135034.0	1.539871	Y



Calibration

/ 1,4-Dioxane

Curve Type: Linear
Weighting: Conc
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

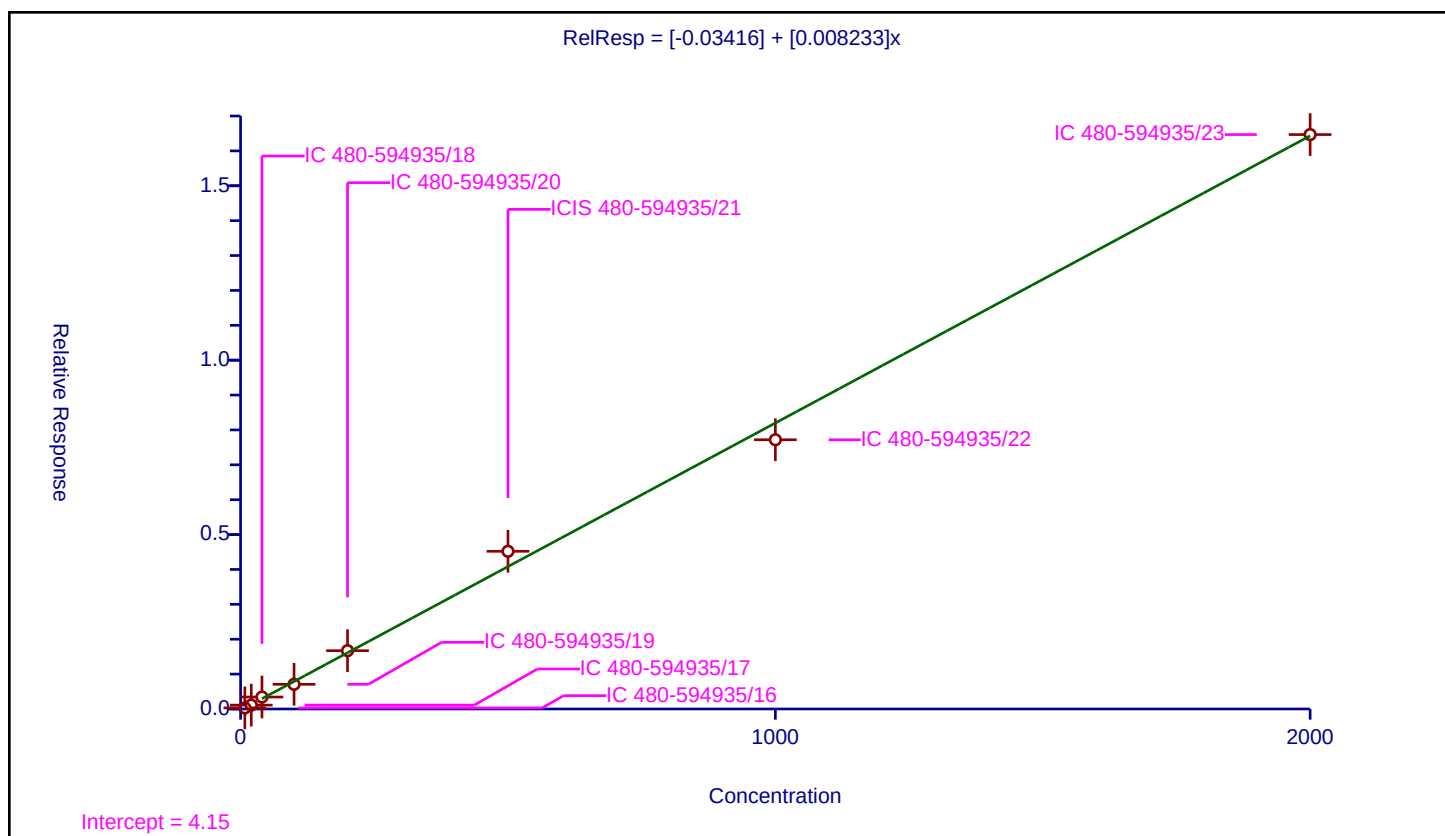
Curve Coefficients

Intercept: -0.03416
Slope: 0.008233

Error Coefficients

Standard Error: 87300
Relative Standard Error: 10.1
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	8.0	0.030749	25.0	285377.0	0.003844	Y
2	IC 480-594935/17	20.0	0.110862	25.0	308944.0	0.005543	Y
3	IC 480-594935/18	40.0	0.343241	25.0	309112.0	0.008581	Y
4	IC 480-594935/19	100.0	0.707923	25.0	296254.0	0.007079	Y
5	IC 480-594935/20	200.0	1.671724	25.0	311071.0	0.008359	Y
6	ICIS 480-594935/21	500.0	4.520958	25.0	307186.0	0.009042	Y
7	IC 480-594935/22	1000.0	7.718941	25.0	289405.0	0.007719	Y
8	IC 480-594935/23	2000.0	16.467942	25.0	280413.0	0.008234	Y



Calibration

/ Dibromomethane

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

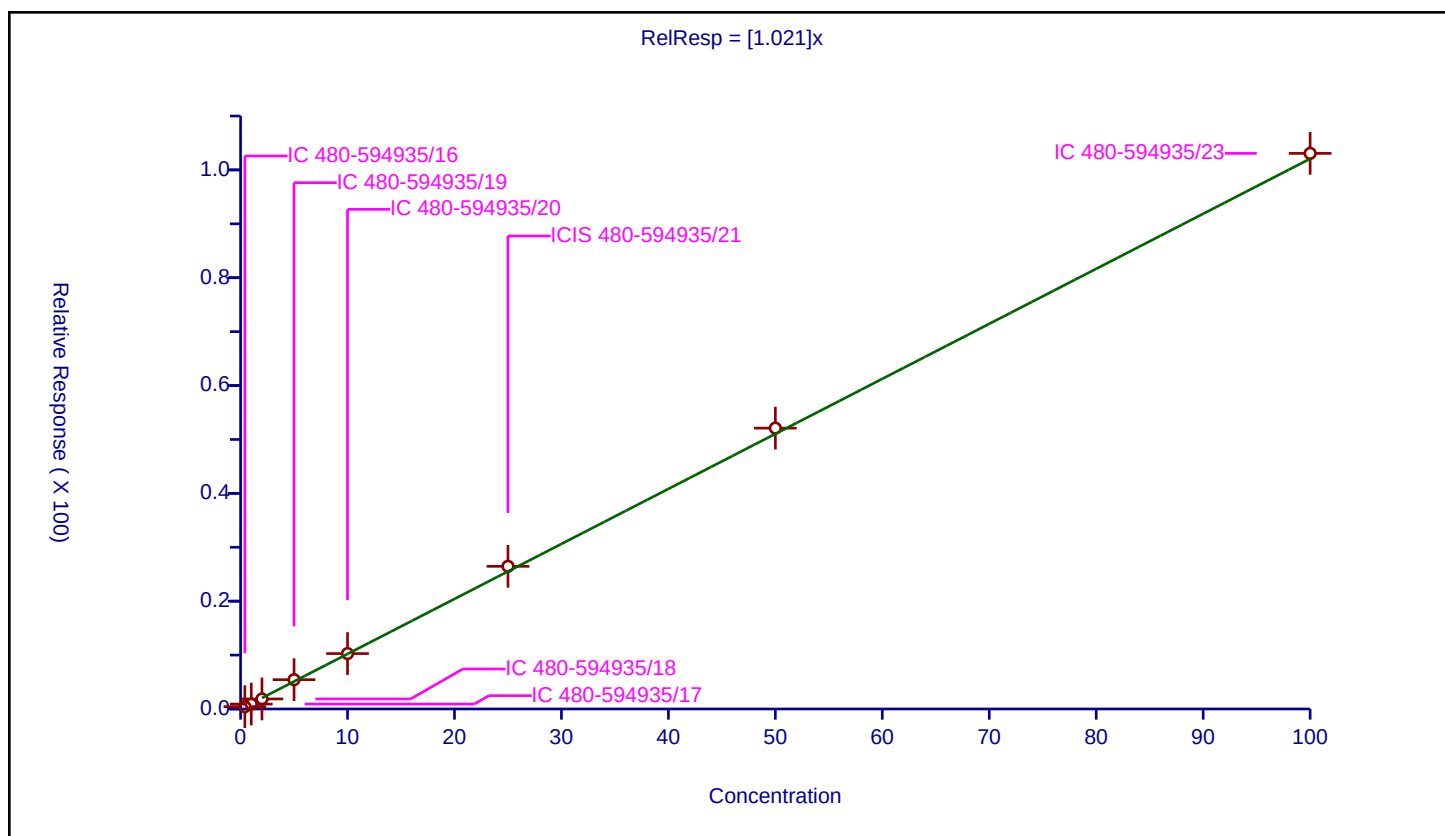
Curve Coefficients

Intercept: 0
Slope: 1.021

Error Coefficients

Standard Error: 246000
Relative Standard Error: 6.2
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.428762	25.0	146235.0	1.071905	Y
2	IC 480-594935/17	1.0	0.914876	25.0	148572.0	0.914876	Y
3	IC 480-594935/18	2.0	1.863114	25.0	157116.0	0.931557	Y
4	IC 480-594935/19	5.0	5.441407	25.0	145376.0	1.088281	Y
5	IC 480-594935/20	10.0	10.277392	25.0	148941.0	1.027739	Y
6	ICIS 480-594935/21	25.0	26.463682	25.0	146070.0	1.058547	Y
7	IC 480-594935/22	50.0	52.101468	25.0	141187.0	1.042029	Y
8	IC 480-594935/23	100.0	103.070338	25.0	135034.0	1.030703	Y



Calibration

/ Dichlorobromomethane

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

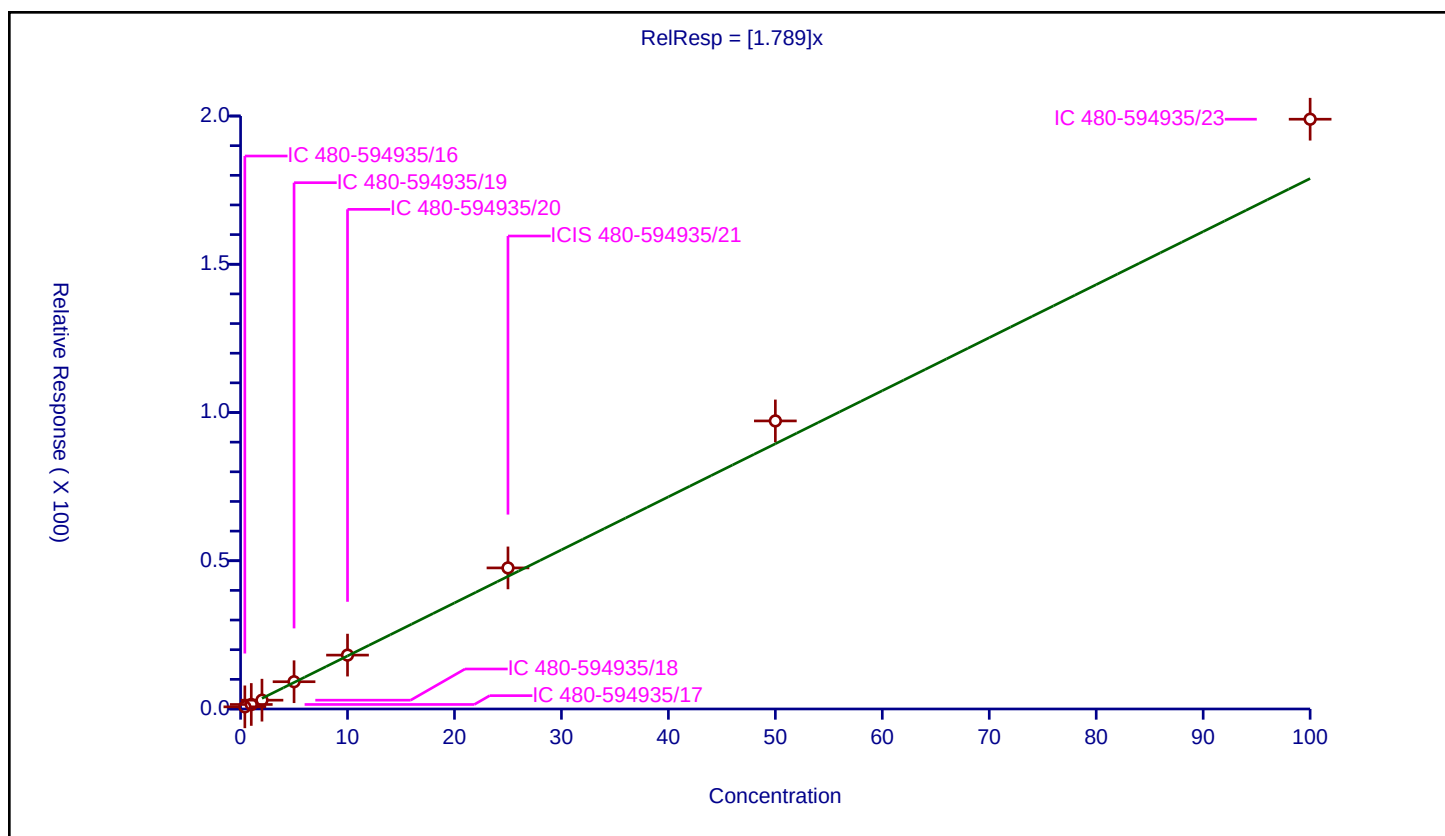
Curve Coefficients

Intercept: 0
Slope: 1.789

Error Coefficients

Standard Error: 470000
Relative Standard Error: 10.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.724348	25.0	146235.0	1.810869	Y
2	IC 480-594935/17	1.0	1.522831	25.0	148572.0	1.522831	Y
3	IC 480-594935/18	2.0	2.973758	25.0	157116.0	1.486879	Y
4	IC 480-594935/19	5.0	9.198905	25.0	145376.0	1.839781	Y
5	IC 480-594935/20	10.0	18.170114	25.0	148941.0	1.817011	Y
6	ICIS 480-594935/21	25.0	47.581297	25.0	146070.0	1.903252	Y
7	IC 480-594935/22	50.0	97.159087	25.0	141187.0	1.943182	Y
8	IC 480-594935/23	100.0	198.91768	25.0	135034.0	1.989177	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

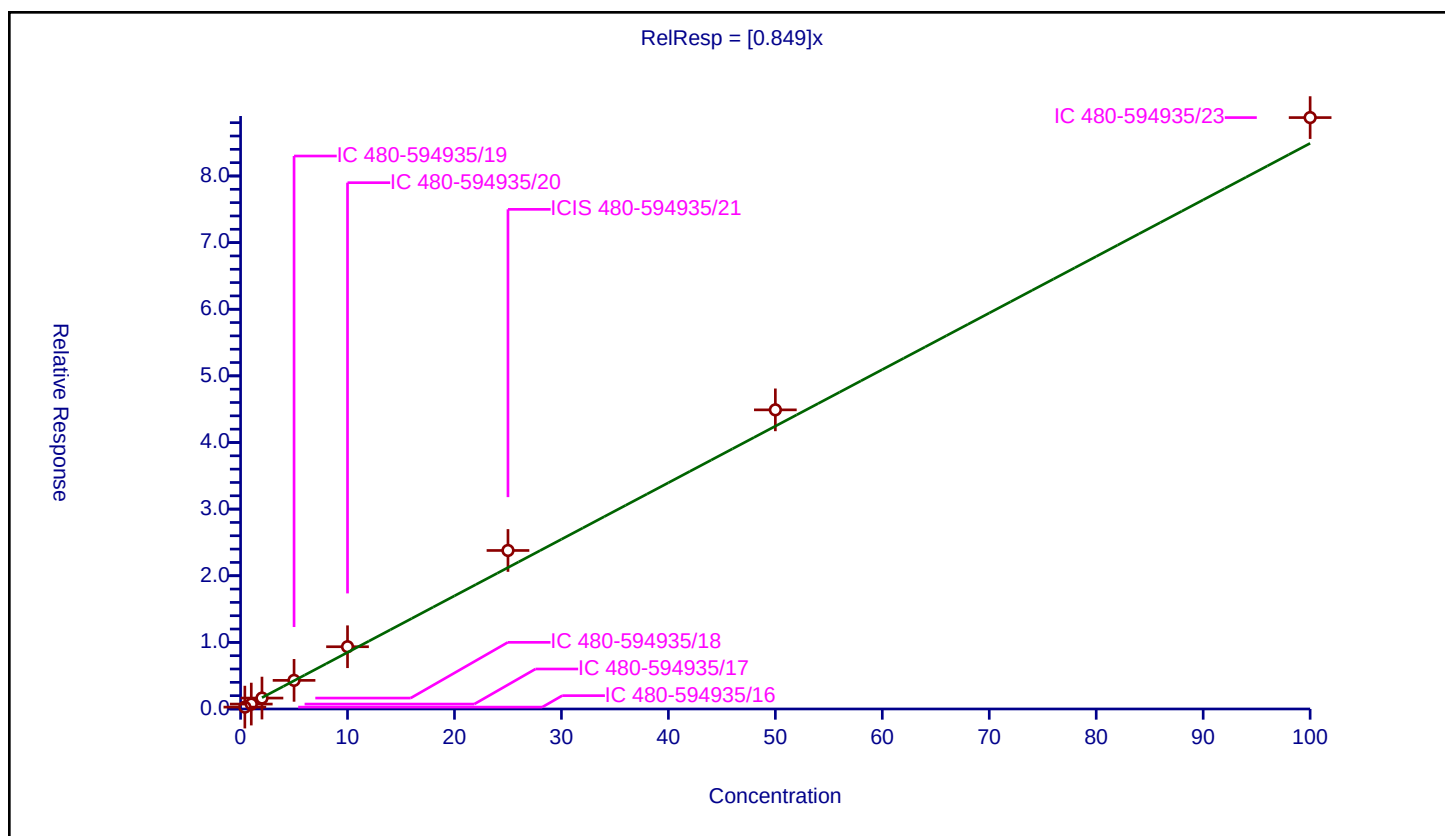
Curve Coefficients

Intercept: 0
Slope: 0.849

Error Coefficients

Standard Error: 213000
Relative Standard Error: 10.6
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.281396	25.0	146235.0	0.703491	Y
2	IC 480-594935/17	1.0	0.738363	25.0	148572.0	0.738363	Y
3	IC 480-594935/18	2.0	1.637644	25.0	157116.0	0.818822	Y
4	IC 480-594935/19	5.0	4.298509	25.0	145376.0	0.859702	Y
5	IC 480-594935/20	10.0	9.344472	25.0	148941.0	0.934447	Y
6	ICIS 480-594935/21	25.0	23.791675	25.0	146070.0	0.951667	Y
7	IC 480-594935/22	50.0	44.896131	25.0	141187.0	0.897923	Y
8	IC 480-594935/23	100.0	88.763571	25.0	135034.0	0.887636	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

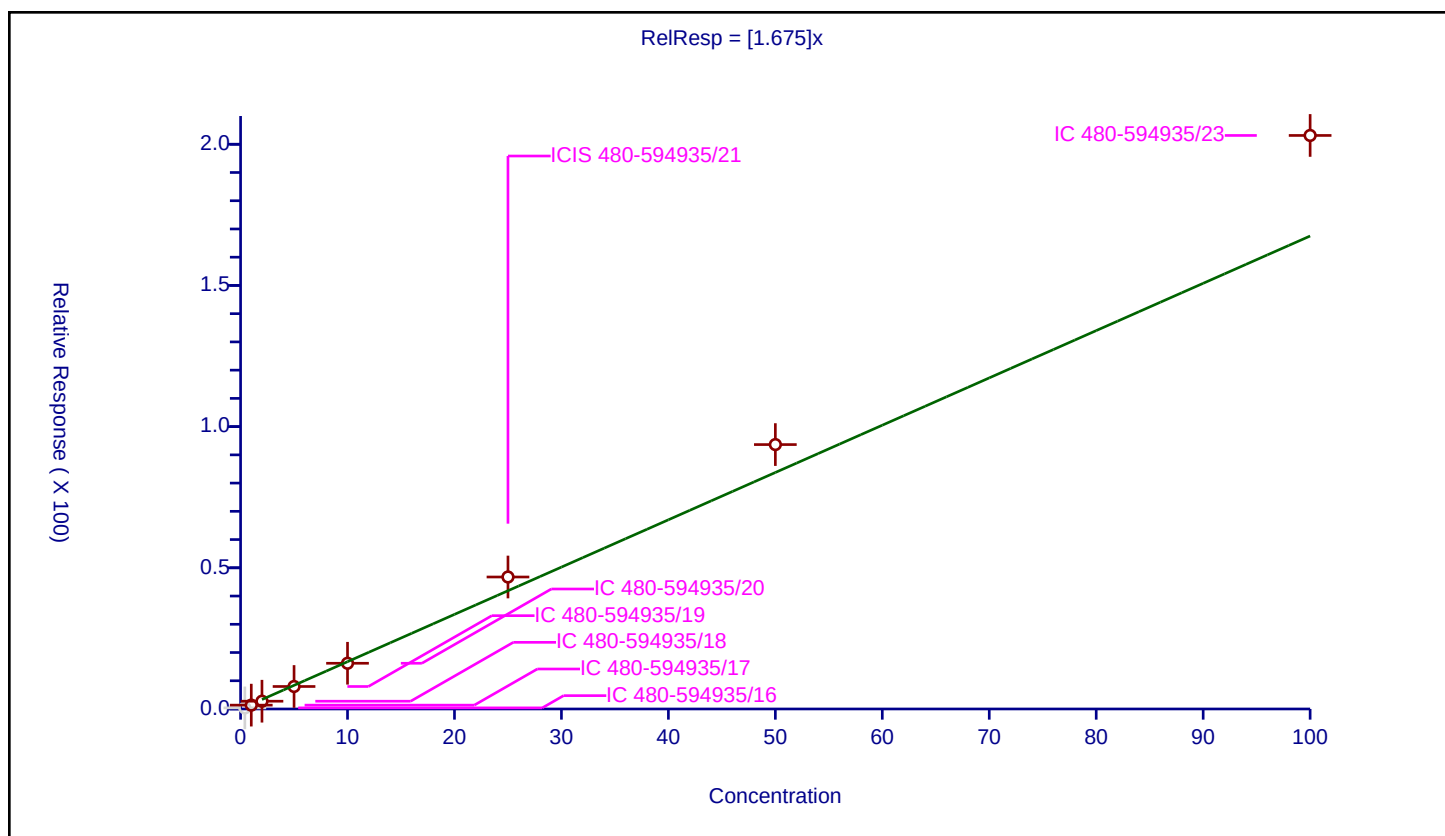
Curve Coefficients

Intercept: 0
 Slope: 1.675

Error Coefficients

Standard Error: 511000
 Relative Standard Error: 15.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.391835	25.0	146235.0	0.979588	N
2	IC 480-594935/17	1.0	1.363985	25.0	148572.0	1.363985	Y
3	IC 480-594935/18	2.0	2.749879	25.0	157116.0	1.37494	Y
4	IC 480-594935/19	5.0	7.966411	25.0	145376.0	1.593282	Y
5	IC 480-594935/20	10.0	16.191311	25.0	148941.0	1.619131	Y
6	ICIS 480-594935/21	25.0	46.746765	25.0	146070.0	1.869871	Y
7	IC 480-594935/22	50.0	93.641943	25.0	141187.0	1.872839	Y
8	IC 480-594935/23	100.0	203.110883	25.0	135034.0	2.031109	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

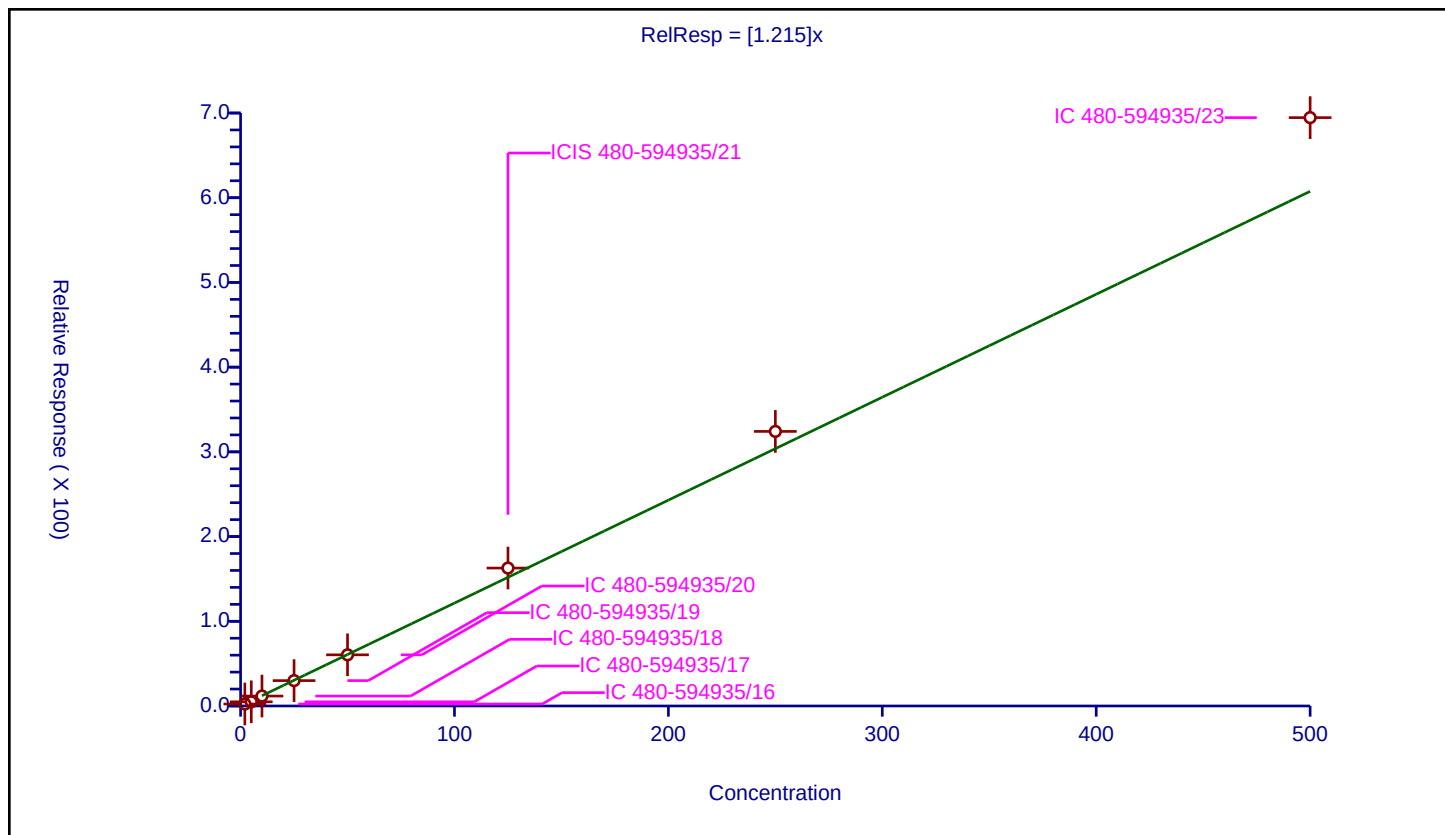
Curve Coefficients

Intercept: 0
 Slope: 1.215

Error Coefficients

Standard Error: 3370000
 Relative Standard Error: 9.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	2.0	2.336734	25.0	285377.0	1.168367	Y
2	IC 480-594935/17	5.0	4.927835	25.0	308944.0	0.985567	Y
3	IC 480-594935/18	10.0	11.720509	25.0	309112.0	1.172051	Y
4	IC 480-594935/19	25.0	29.952676	25.0	296254.0	1.198107	Y
5	IC 480-594935/20	50.0	60.400118	25.0	311071.0	1.208002	Y
6	ICIS 480-594935/21	125.0	162.834651	25.0	307186.0	1.302677	Y
7	IC 480-594935/22	250.0	324.126743	25.0	289405.0	1.296507	Y
8	IC 480-594935/23	500.0	694.539037	25.0	280413.0	1.389078	Y



Calibration

/ Toluene-d8 (Surr)

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

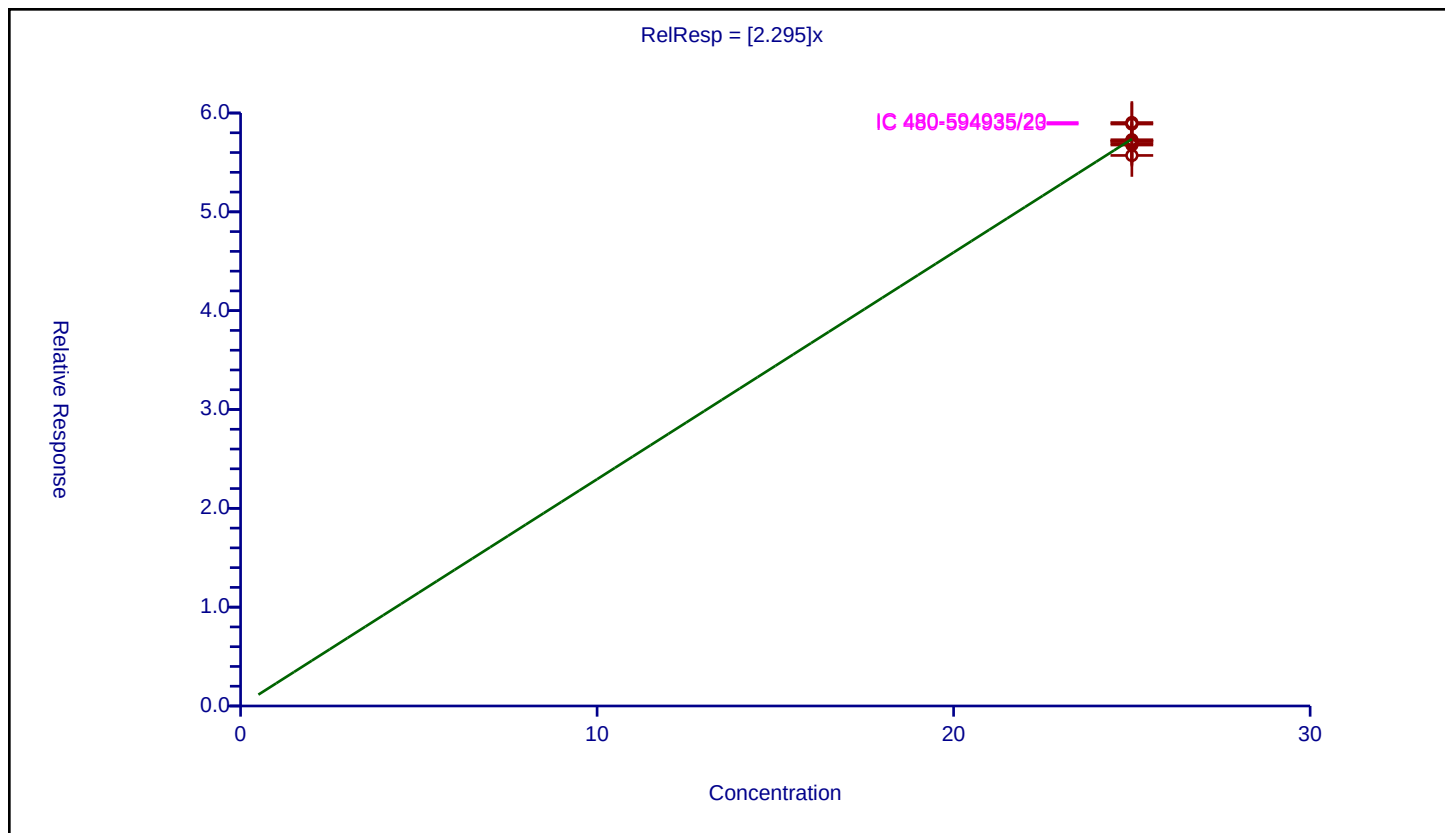
Curve Coefficients

Intercept: 0
Slope: 2.295

Error Coefficients

Standard Error: 732000
Relative Standard Error: 1.9
Correlation Coefficient: 0
Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	25.0	57.296138	25.0	285377.0	2.291846	Y
2	IC 480-594935/17	25.0	55.706455	25.0	308944.0	2.228258	Y
3	IC 480-594935/18	25.0	56.760333	25.0	309112.0	2.270413	Y
4	IC 480-594935/19	25.0	57.142857	25.0	296254.0	2.285714	Y
5	IC 480-594935/20	25.0	59.033709	25.0	311071.0	2.361348	Y
6	ICIS 480-594935/21	25.0	57.177166	25.0	307186.0	2.287087	Y
7	IC 480-594935/22	25.0	56.919542	25.0	289405.0	2.276782	Y
8	IC 480-594935/23	25.0	58.883058	25.0	280413.0	2.355322	Y



Calibration

/ Toluene

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

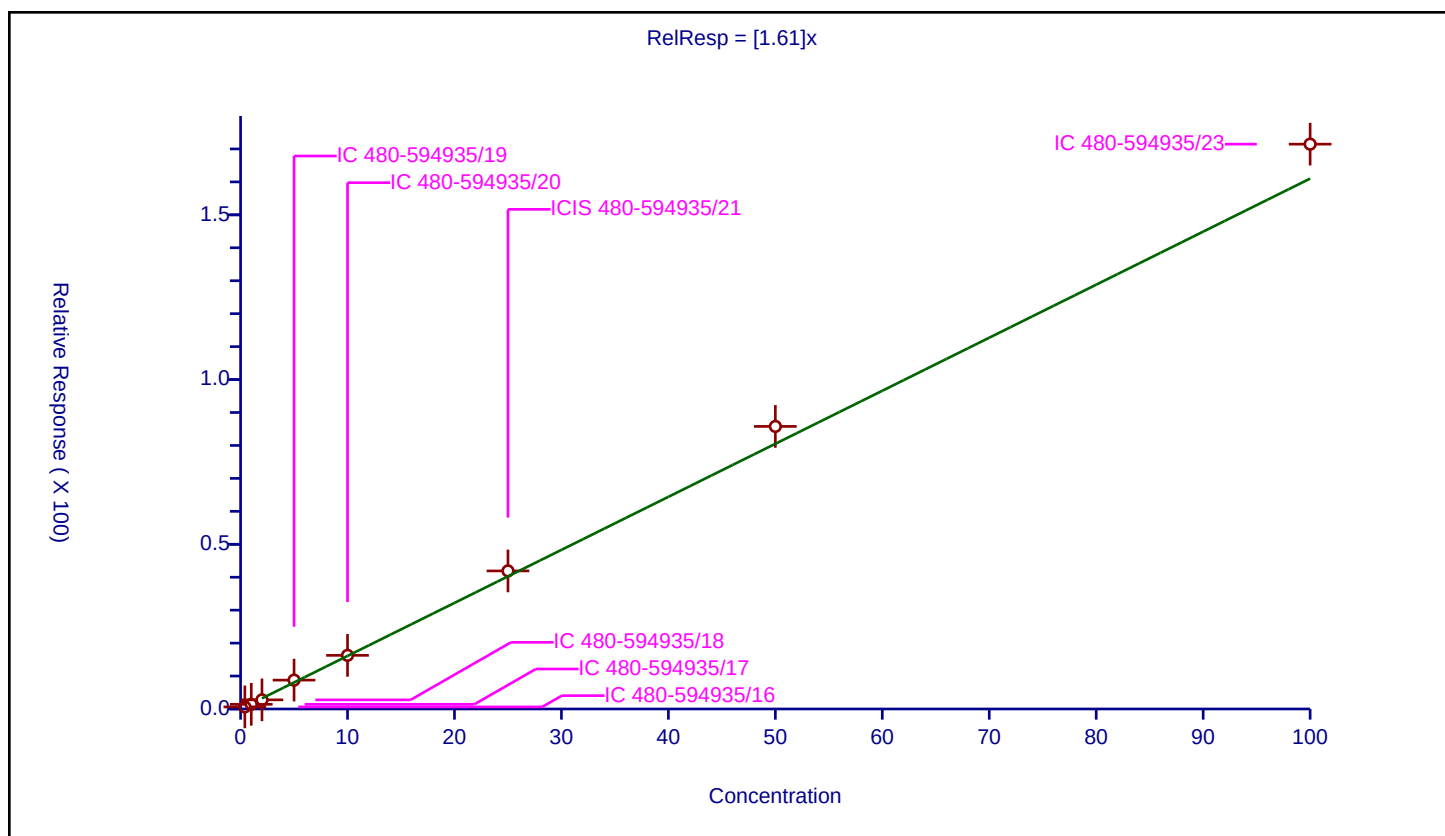
Curve Coefficients

Intercept: 0
 Slope: 1.61

Error Coefficients

Standard Error: 845000
 Relative Standard Error: 8.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.635563	25.0	285377.0	1.588907	Y
2	IC 480-594935/17	1.0	1.419837	25.0	308944.0	1.419837	Y
3	IC 480-594935/18	2.0	2.769627	25.0	309112.0	1.384814	Y
4	IC 480-594935/19	5.0	8.759713	25.0	296254.0	1.751943	Y
5	IC 480-594935/20	10.0	16.280367	25.0	311071.0	1.628037	Y
6	ICIS 480-594935/21	25.0	41.912392	25.0	307186.0	1.676496	Y
7	IC 480-594935/22	50.0	85.772879	25.0	289405.0	1.715458	Y
8	IC 480-594935/23	100.0	171.462628	25.0	280413.0	1.714626	Y



Calibration

/ trans-1,3-Dichloropropene

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

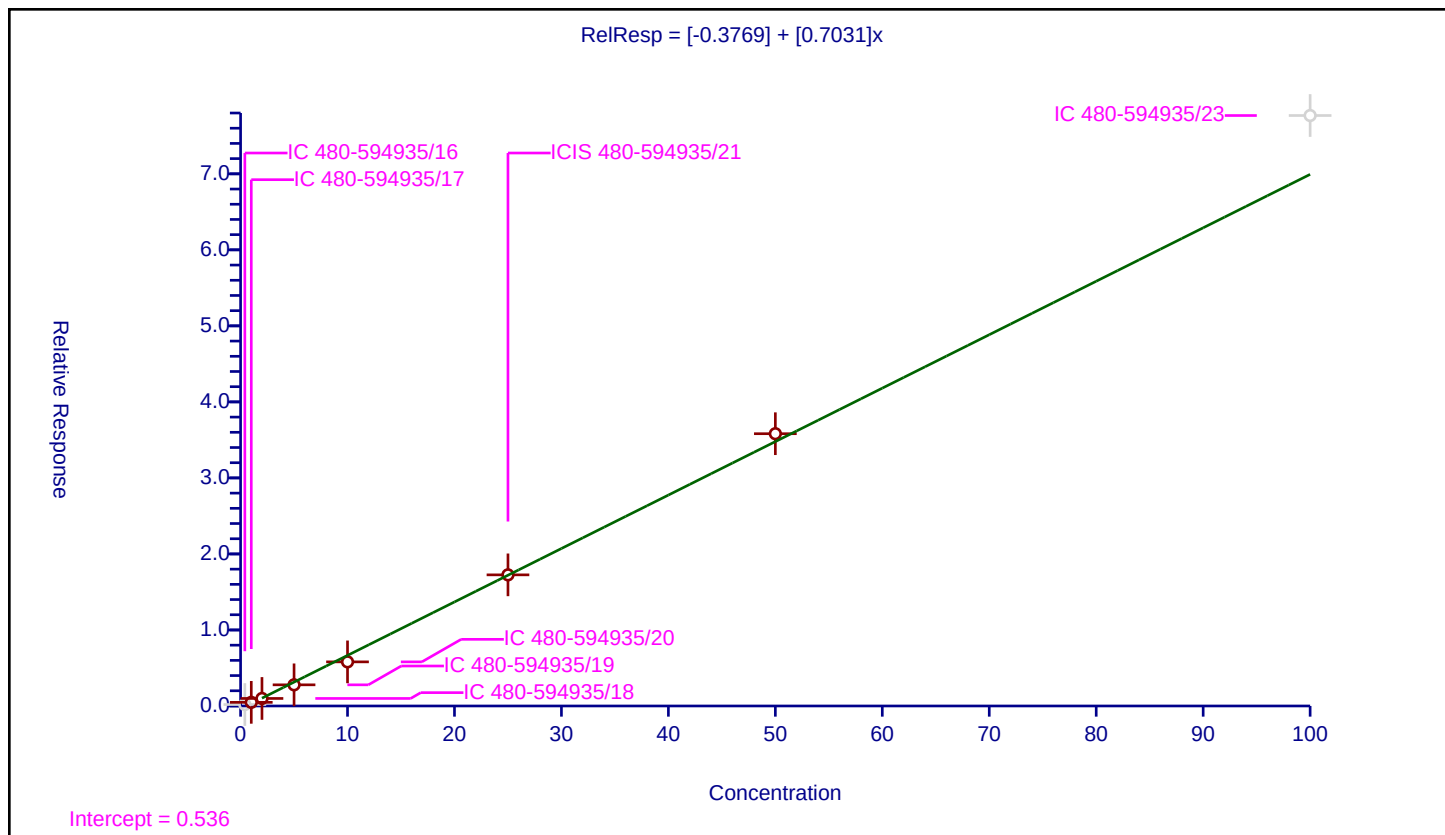
Curve Coefficients

Intercept: -0.3769
 Slope: 0.7031

Error Coefficients

Standard Error: 236000
 Relative Standard Error: 13.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.189924	25.0	285377.0	0.474811	N
2	IC 480-594935/17	1.0	0.478323	25.0	308944.0	0.478323	Y
3	IC 480-594935/18	2.0	0.991388	25.0	309112.0	0.495694	Y
4	IC 480-594935/19	5.0	2.782747	25.0	296254.0	0.556549	Y
5	IC 480-594935/20	10.0	5.804302	25.0	311071.0	0.58043	Y
6	ICIS 480-594935/21	25.0	17.249972	25.0	307186.0	0.689999	Y
7	IC 480-594935/22	50.0	35.816848	25.0	289405.0	0.716337	Y
8	IC 480-594935/23	100.0	77.669455	25.0	280413.0	0.776695	N



Calibration

/ Ethyl methacrylate

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

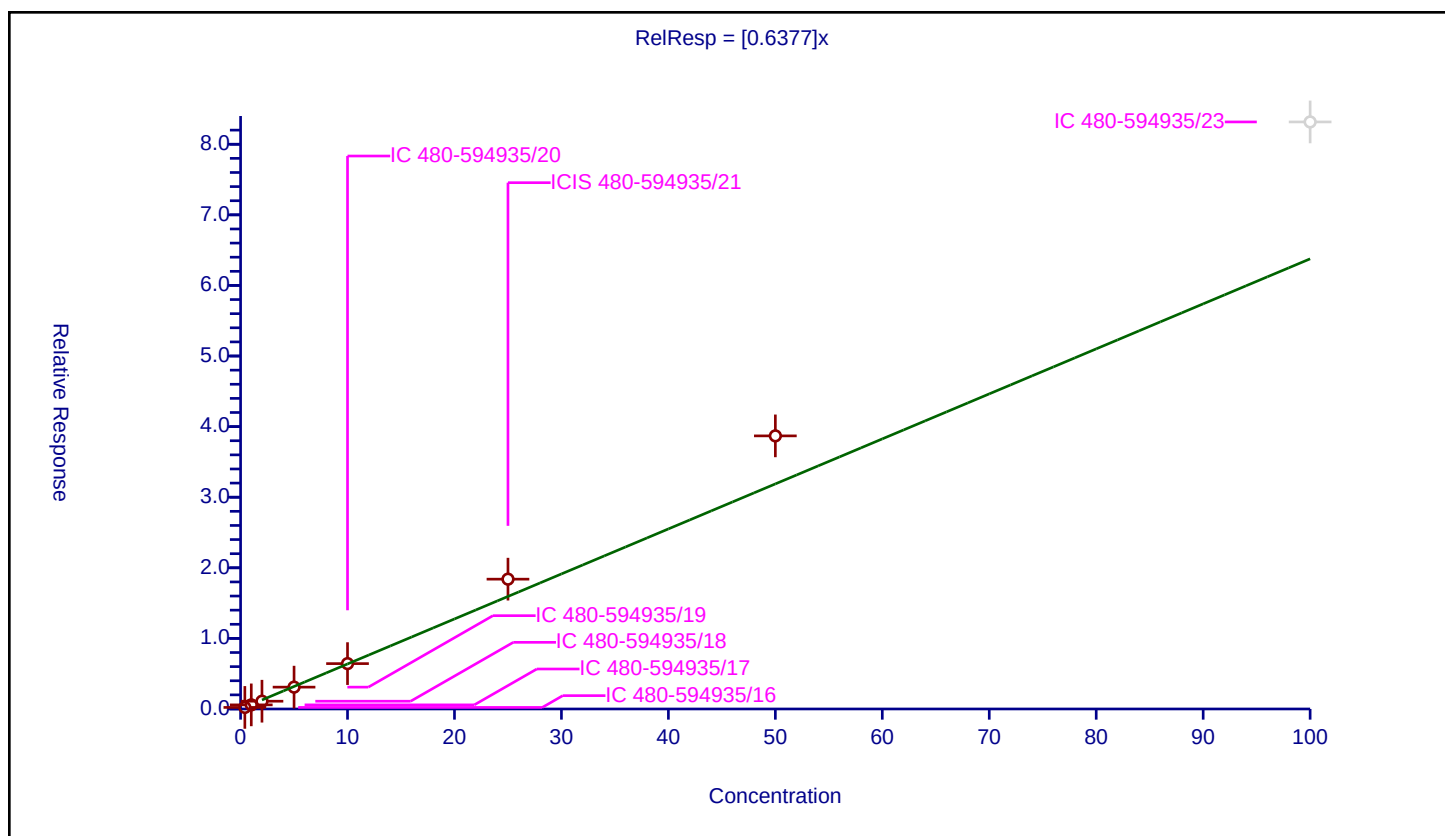
Curve Coefficients

Intercept: 0
Slope: 0.6377

Error Coefficients

Standard Error: 208000
Relative Standard Error: 13.7
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.222075	25.0	285377.0	0.555187	Y
2	IC 480-594935/17	1.0	0.585462	25.0	308944.0	0.585462	Y
3	IC 480-594935/18	2.0	1.102756	25.0	309112.0	0.551378	Y
4	IC 480-594935/19	5.0	3.097089	25.0	296254.0	0.619418	Y
5	IC 480-594935/20	10.0	6.427391	25.0	311071.0	0.642739	Y
6	ICIS 480-594935/21	25.0	18.392277	25.0	307186.0	0.735691	Y
7	IC 480-594935/22	50.0	38.688257	25.0	289405.0	0.773765	Y
8	IC 480-594935/23	100.0	83.161266	25.0	280413.0	0.831613	N



Calibration

/ 1,1,2-Trichloroethane

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

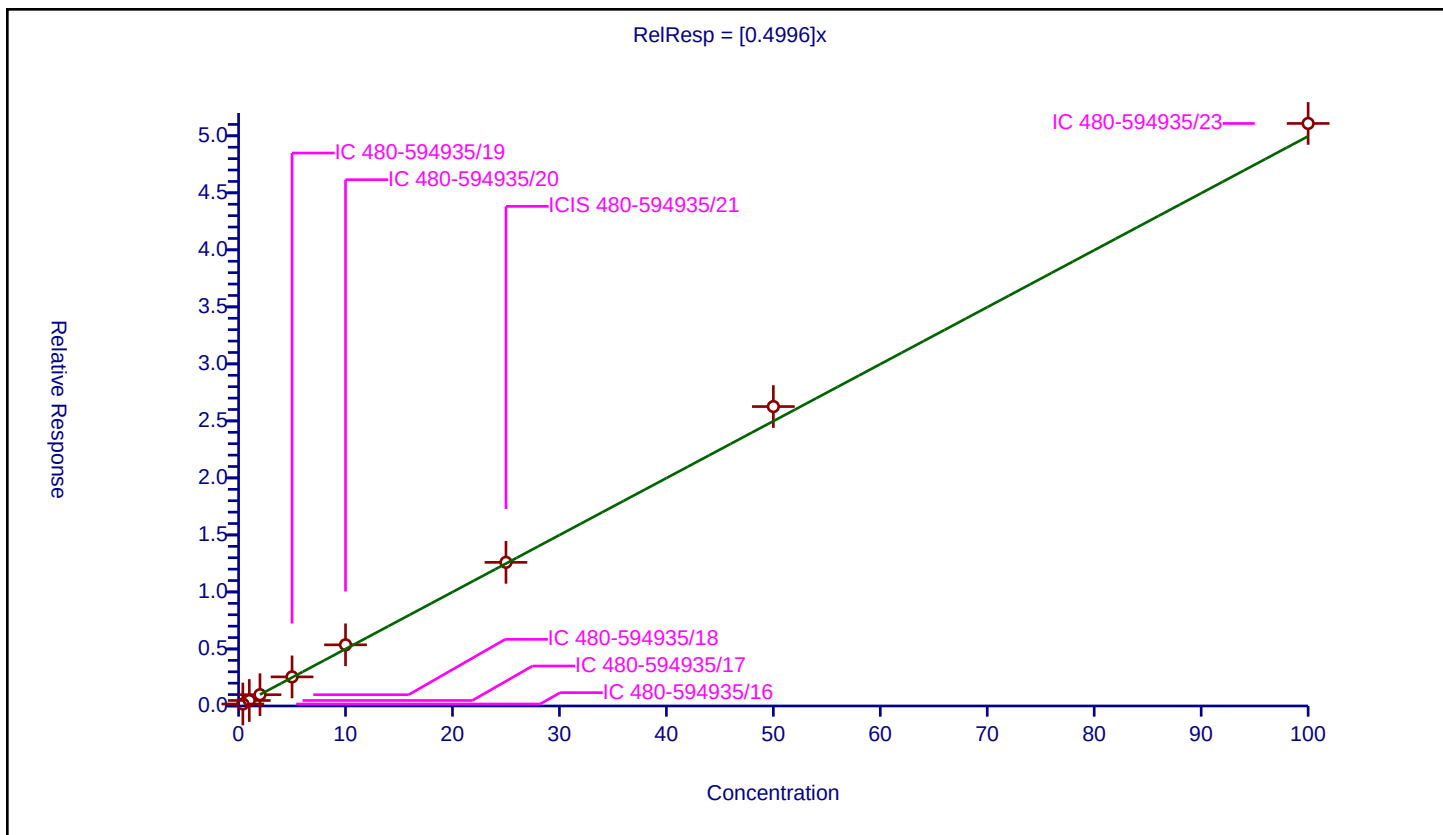
Curve Coefficients

Intercept: 0
 Slope: 0.4996

Error Coefficients

Standard Error: 254000
 Relative Standard Error: 6.4
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.173104	25.0	285377.0	0.432761	Y
2	IC 480-594935/17	1.0	0.482369	25.0	308944.0	0.482369	Y
3	IC 480-594935/18	2.0	0.990579	25.0	309112.0	0.49529	Y
4	IC 480-594935/19	5.0	2.551358	25.0	296254.0	0.510272	Y
5	IC 480-594935/20	10.0	5.363727	25.0	311071.0	0.536373	Y
6	ICIS 480-594935/21	25.0	12.596359	25.0	307186.0	0.503854	Y
7	IC 480-594935/22	50.0	26.257148	25.0	289405.0	0.525143	Y
8	IC 480-594935/23	100.0	51.086612	25.0	280413.0	0.510866	Y



Calibration

/ Tetrachloroethene

Curve Type: Linear
Weighting: Conc
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

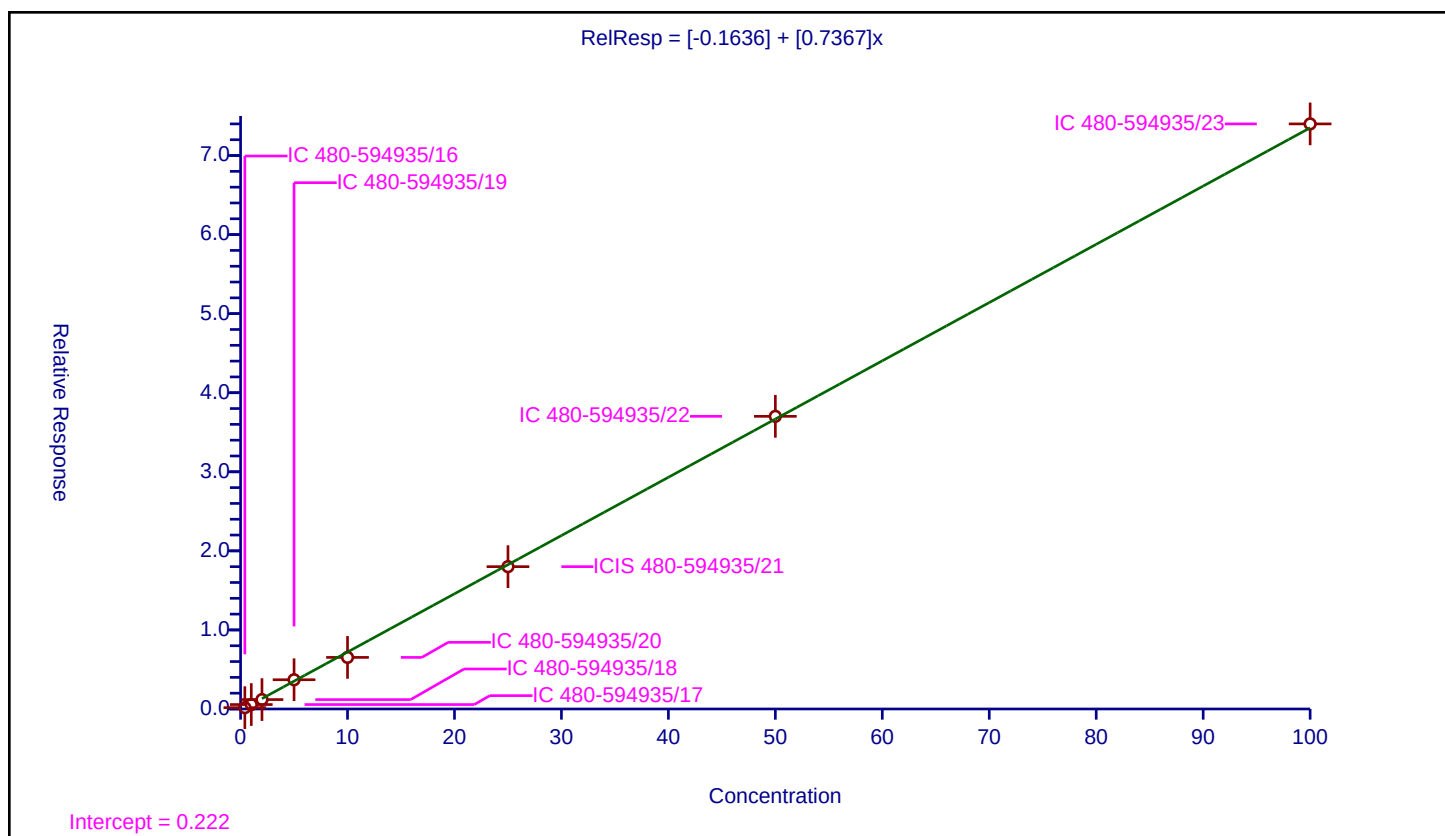
Curve Coefficients

Intercept: -0.1636
Slope: 0.7367

Error Coefficients

Standard Error: 394000
Relative Standard Error: 7.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.171703	25.0	285377.0	0.429257	Y
2	IC 480-594935/17	1.0	0.5624	25.0	308944.0	0.5624	Y
3	IC 480-594935/18	2.0	1.188566	25.0	309112.0	0.594283	Y
4	IC 480-594935/19	5.0	3.698937	25.0	296254.0	0.739787	Y
5	IC 480-594935/20	10.0	6.524314	25.0	311071.0	0.652431	Y
6	ICIS 480-594935/21	25.0	18.003018	25.0	307186.0	0.720121	Y
7	IC 480-594935/22	50.0	37.016724	25.0	289405.0	0.740334	Y
8	IC 480-594935/23	100.0	74.001651	25.0	280413.0	0.740017	Y



Calibration

/ 1,3-Dichloropropane

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

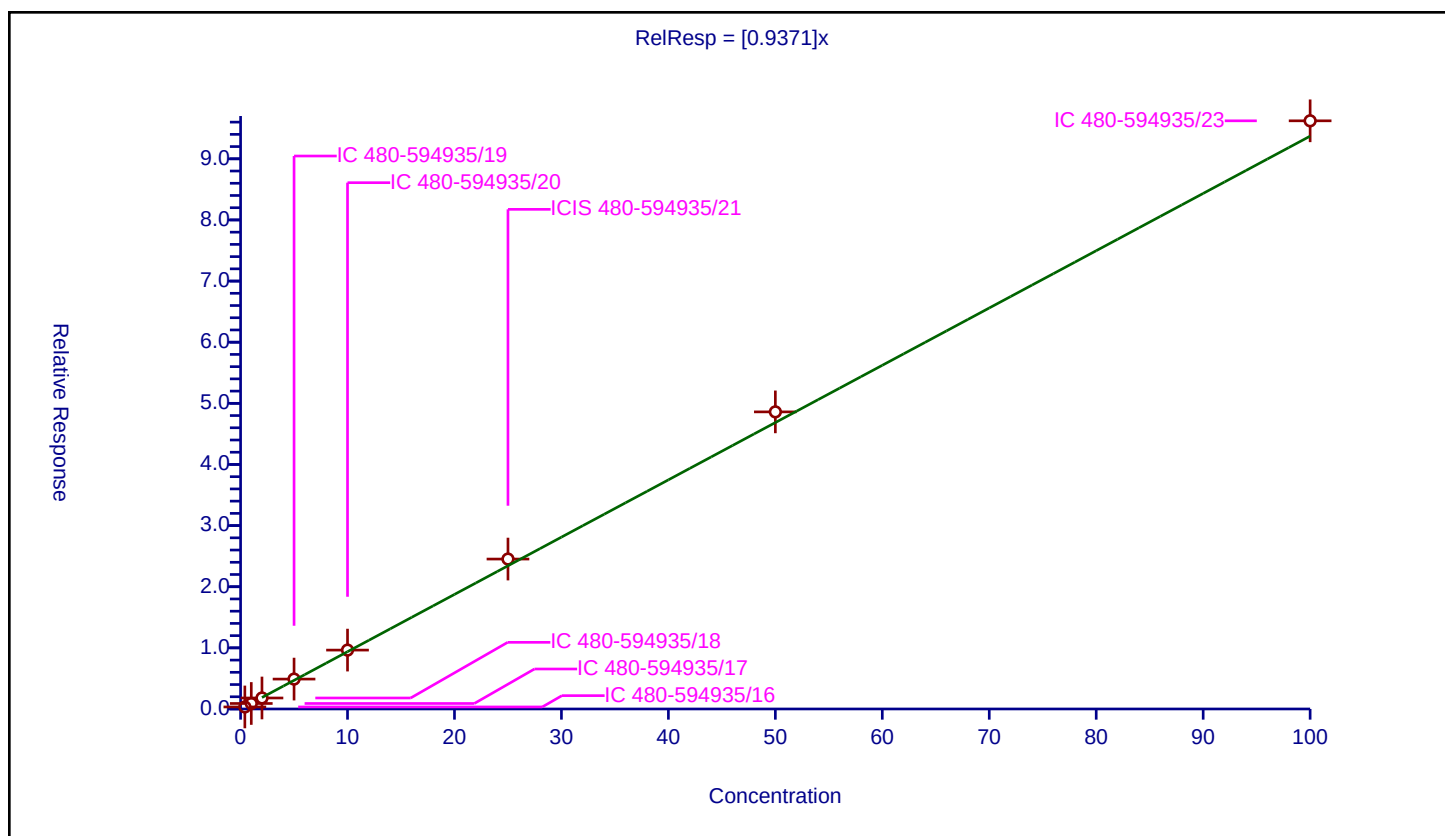
Curve Coefficients

Intercept: 0
 Slope: 0.9371

Error Coefficients

Standard Error: 477000
 Relative Standard Error: 5.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.334995	25.0	285377.0	0.837489	Y
2	IC 480-594935/17	1.0	0.901782	25.0	308944.0	0.901782	Y
3	IC 480-594935/18	2.0	1.80048	25.0	309112.0	0.90024	Y
4	IC 480-594935/19	5.0	4.891073	25.0	296254.0	0.978215	Y
5	IC 480-594935/20	10.0	9.635823	25.0	311071.0	0.963582	Y
6	ICIS 480-594935/21	25.0	24.526671	25.0	307186.0	0.981067	Y
7	IC 480-594935/22	50.0	48.602046	25.0	289405.0	0.972041	Y
8	IC 480-594935/23	100.0	96.212818	25.0	280413.0	0.962128	Y



Calibration

/ 2-Hexanone

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

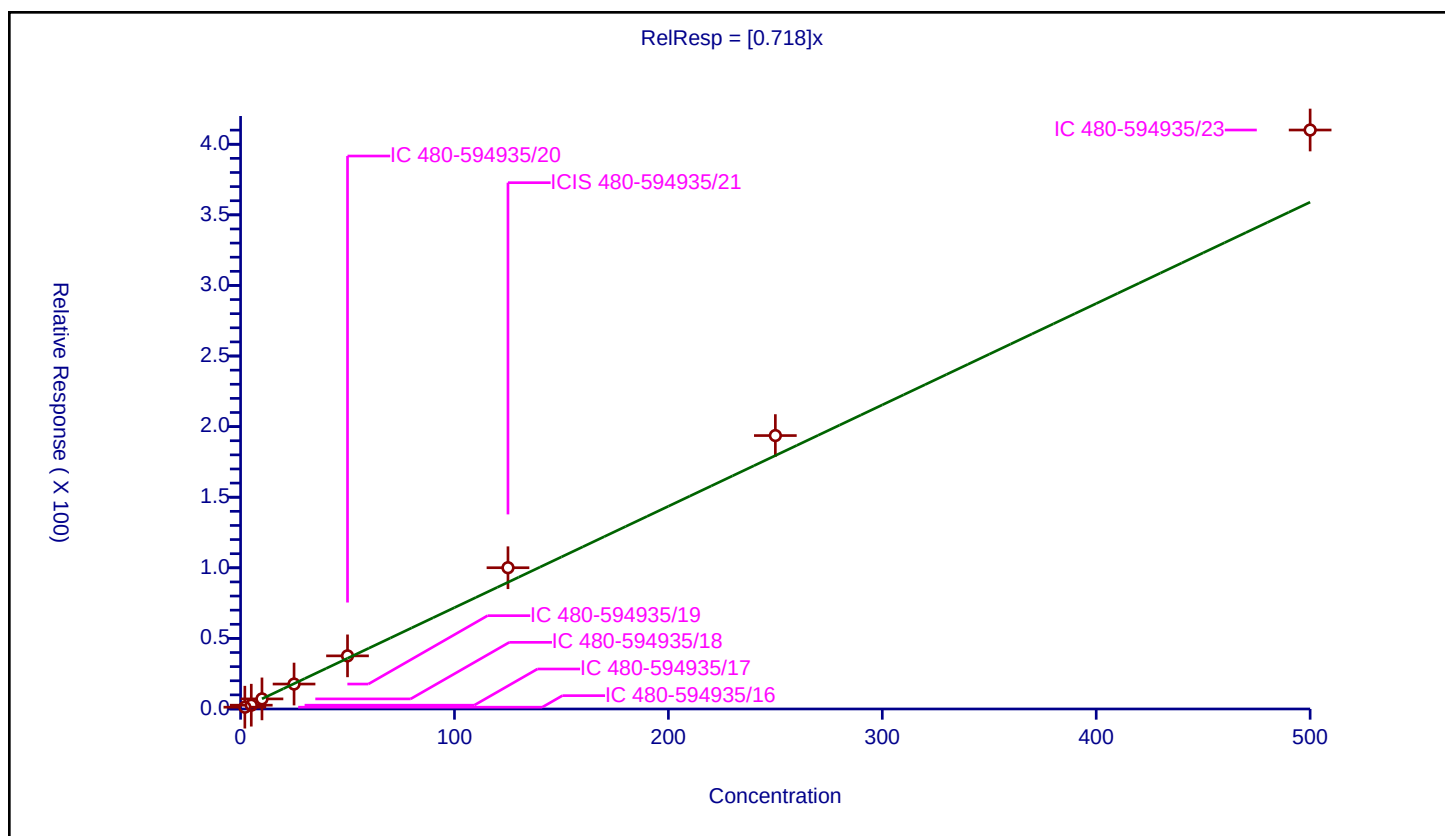
Curve Coefficients

Intercept: 0
 Slope: 0.718

Error Coefficients

Standard Error: 2000000
 Relative Standard Error: 13.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	2.0	1.272615	25.0	285377.0	0.636307	Y
2	IC 480-594935/17	5.0	2.689403	25.0	308944.0	0.537881	Y
3	IC 480-594935/18	10.0	7.146601	25.0	309112.0	0.71466	Y
4	IC 480-594935/19	25.0	17.676639	25.0	296254.0	0.707066	Y
5	IC 480-594935/20	50.0	37.631843	25.0	311071.0	0.752637	Y
6	ICIS 480-594935/21	125.0	100.055097	25.0	307186.0	0.800441	Y
7	IC 480-594935/22	250.0	193.657936	25.0	289405.0	0.774632	Y
8	IC 480-594935/23	500.0	410.083431	25.0	280413.0	0.820167	Y



Calibration

/ Chlorodibromomethane

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

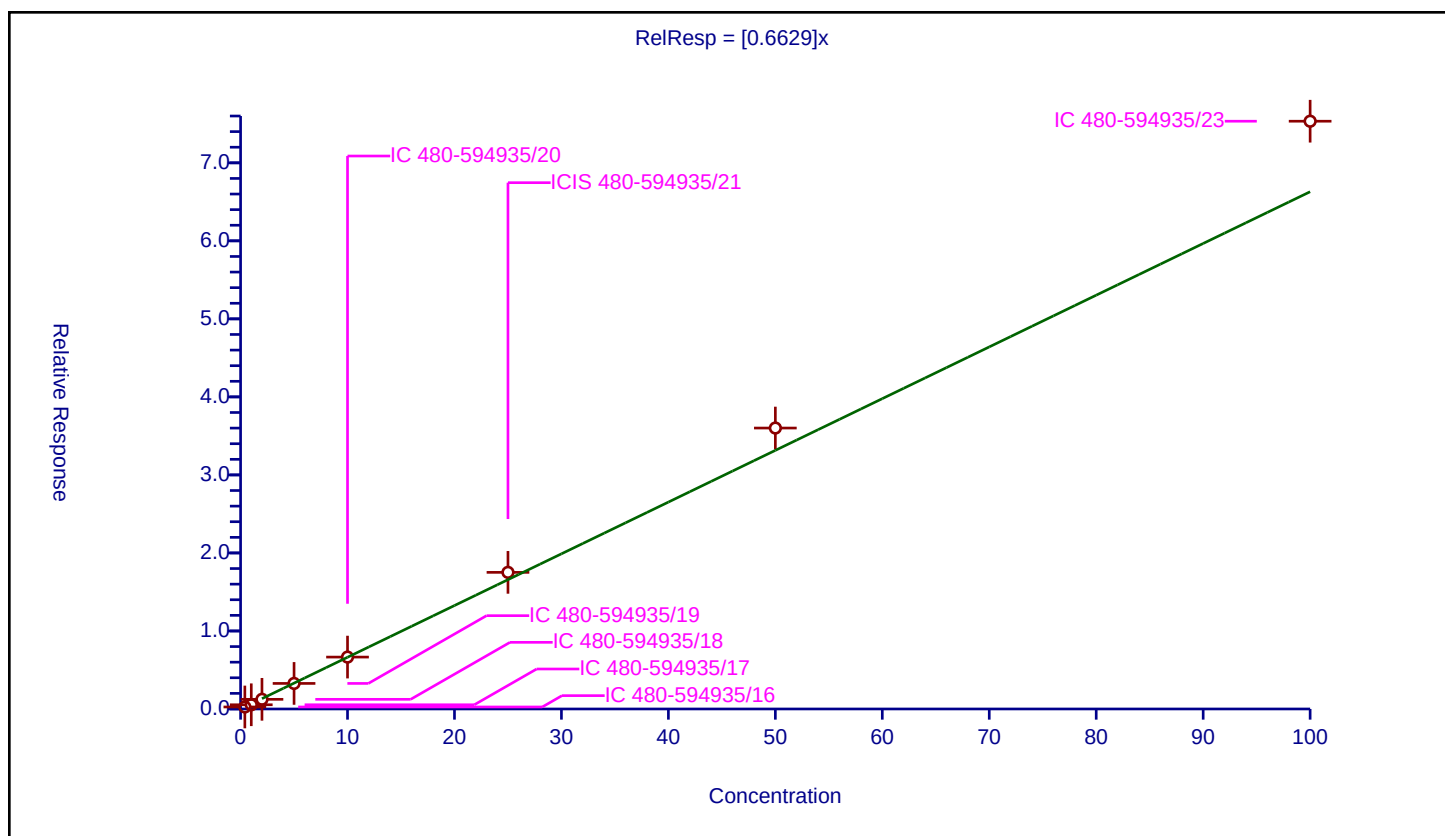
Curve Coefficients

Intercept: 0
 Slope: 0.6629

Error Coefficients

Standard Error: 367000
 Relative Standard Error: 9.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.258518	25.0	285377.0	0.646294	Y
2	IC 480-594935/17	1.0	0.542898	25.0	308944.0	0.542898	Y
3	IC 480-594935/18	2.0	1.240085	25.0	309112.0	0.620042	Y
4	IC 480-594935/19	5.0	3.275821	25.0	296254.0	0.655164	Y
5	IC 480-594935/20	10.0	6.651215	25.0	311071.0	0.665121	Y
6	ICIS 480-594935/21	25.0	17.510726	25.0	307186.0	0.700429	Y
7	IC 480-594935/22	50.0	36.007585	25.0	289405.0	0.720152	Y
8	IC 480-594935/23	100.0	75.335042	25.0	280413.0	0.75335	Y



Calibration

/ Ethylene Dibromide

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

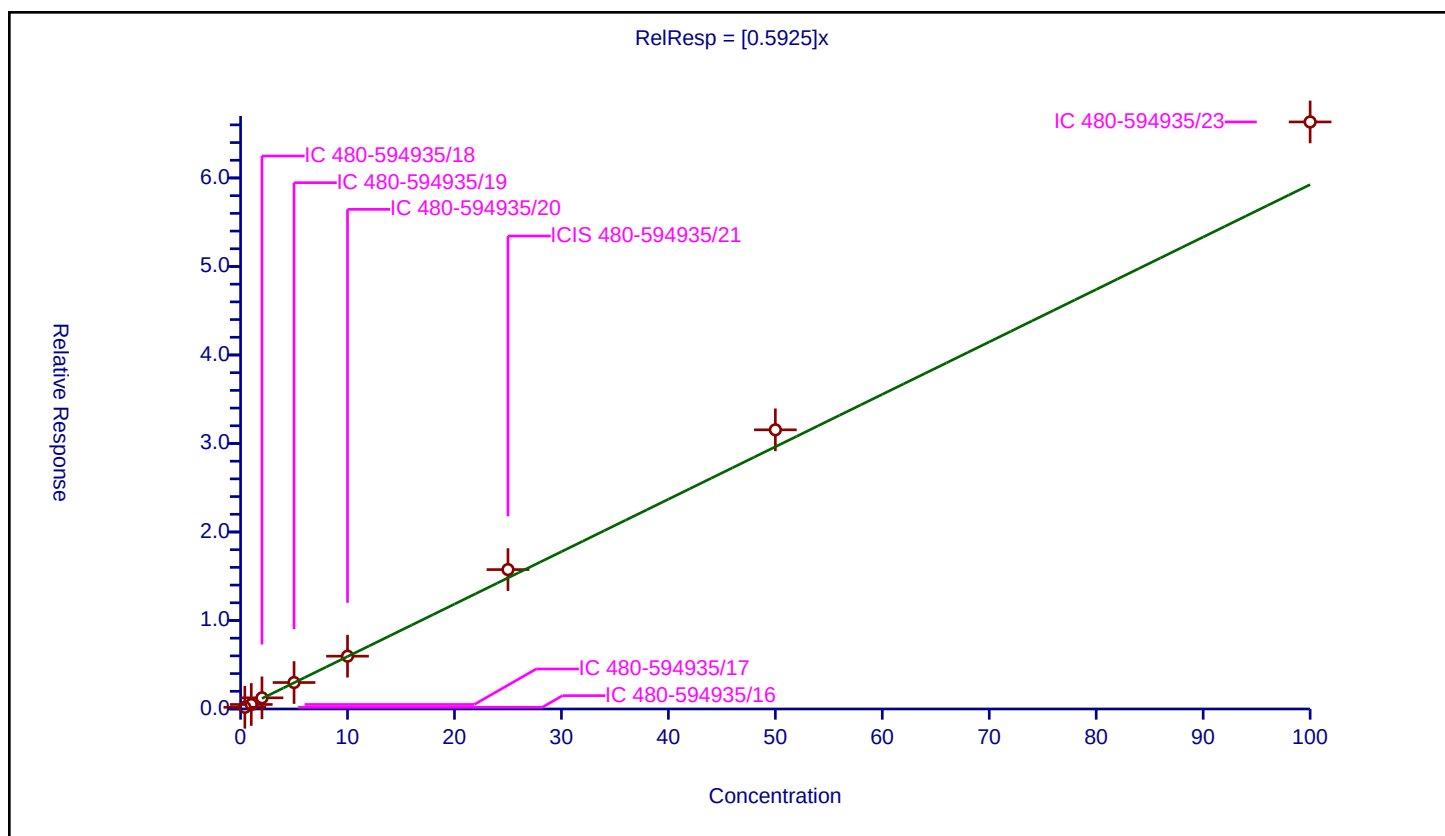
Curve Coefficients

Intercept: 0
 Slope: 0.5925

Error Coefficients

Standard Error: 323000
 Relative Standard Error: 10.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.191238	25.0	285377.0	0.478096	Y
2	IC 480-594935/17	1.0	0.512067	25.0	308944.0	0.512067	Y
3	IC 480-594935/18	2.0	1.261679	25.0	309112.0	0.630839	Y
4	IC 480-594935/19	5.0	2.990846	25.0	296254.0	0.598169	Y
5	IC 480-594935/20	10.0	5.967368	25.0	311071.0	0.596737	Y
6	ICIS 480-594935/21	25.0	15.752183	25.0	307186.0	0.630087	Y
7	IC 480-594935/22	50.0	31.541438	25.0	289405.0	0.630829	Y
8	IC 480-594935/23	100.0	66.332249	25.0	280413.0	0.663322	Y



Calibration

/ Chlorobenzene

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

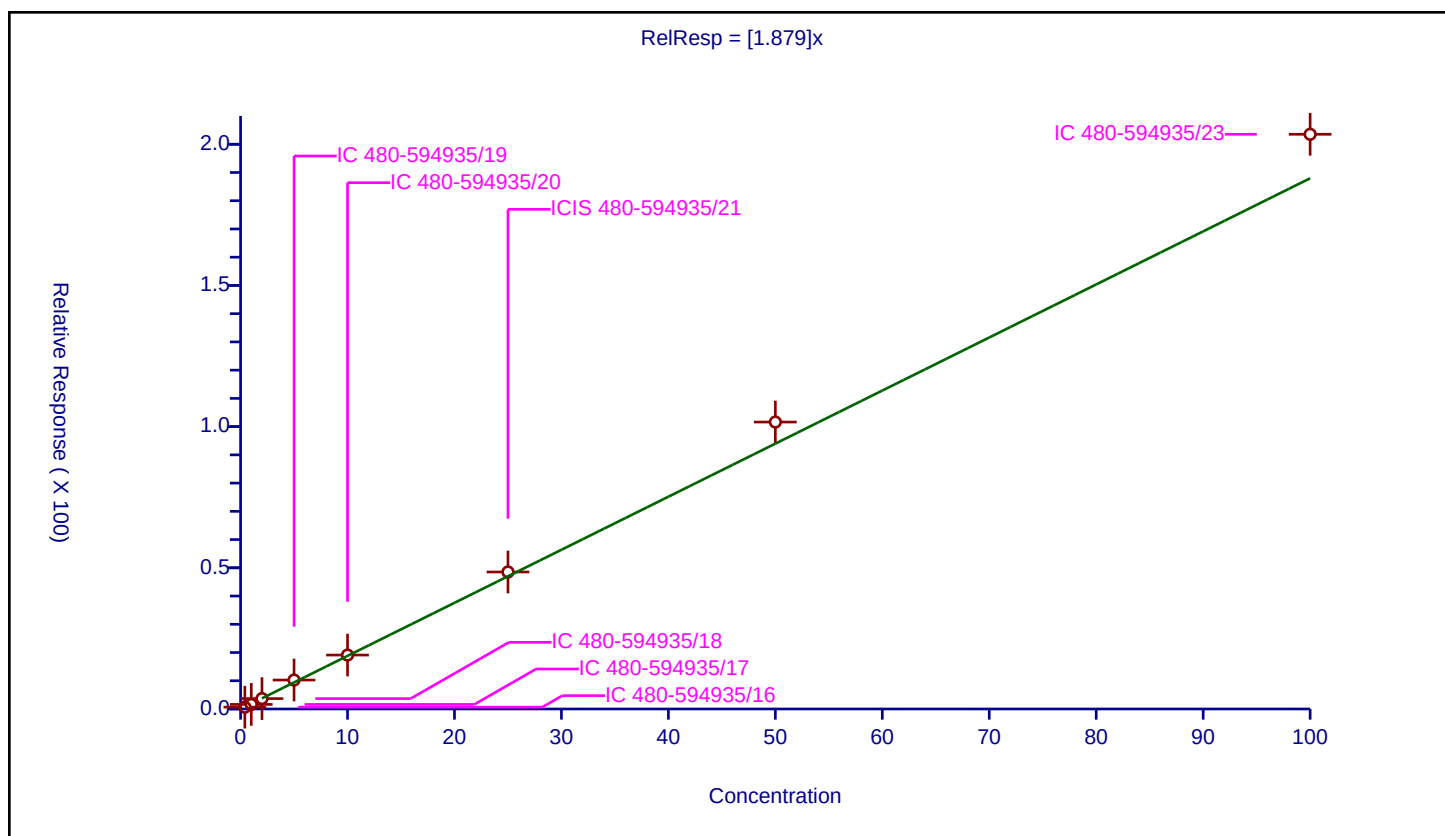
Curve Coefficients

Intercept: 0
Slope: 1.879

Error Coefficients

Standard Error: 1000000
Relative Standard Error: 9.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.643535	25.0	285377.0	1.608837	Y
2	IC 480-594935/17	1.0	1.618497	25.0	308944.0	1.618497	Y
3	IC 480-594935/18	2.0	3.677874	25.0	309112.0	1.838937	Y
4	IC 480-594935/19	5.0	10.253279	25.0	296254.0	2.050656	Y
5	IC 480-594935/20	10.0	19.096685	25.0	311071.0	1.909669	Y
6	ICIS 480-594935/21	25.0	48.51922	25.0	307186.0	1.940769	Y
7	IC 480-594935/22	50.0	101.621085	25.0	289405.0	2.032422	Y
8	IC 480-594935/23	100.0	203.528902	25.0	280413.0	2.035289	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

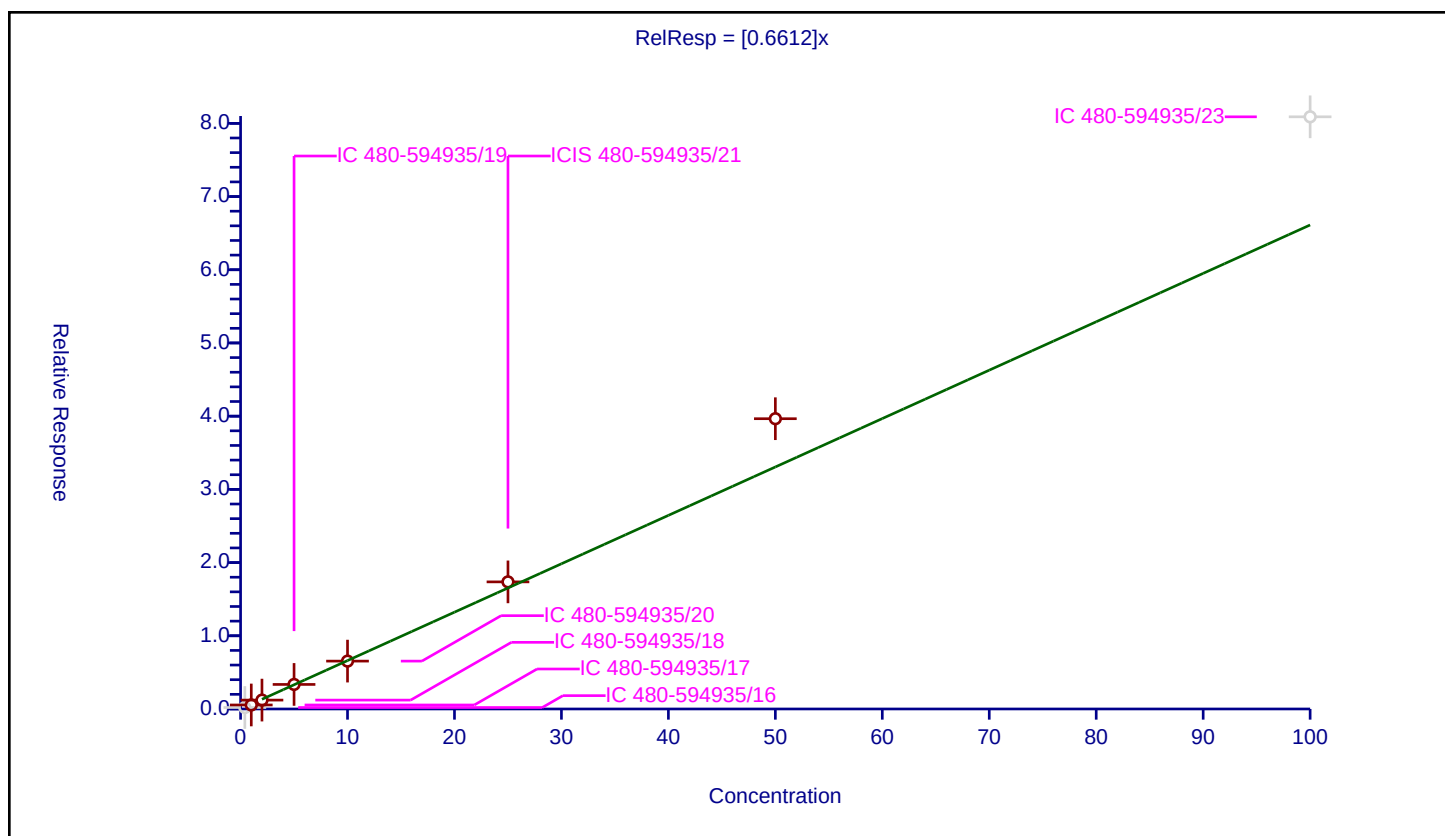
Curve Coefficients

Intercept: 0
 Slope: 0.6612

Error Coefficients

Standard Error: 230000
 Relative Standard Error: 12.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.202802	25.0	285377.0	0.507005	N
2	IC 480-594935/17	1.0	0.547834	25.0	308944.0	0.547834	Y
3	IC 480-594935/18	2.0	1.214204	25.0	309112.0	0.607102	Y
4	IC 480-594935/19	5.0	3.352782	25.0	296254.0	0.670556	Y
5	IC 480-594935/20	10.0	6.539584	25.0	311071.0	0.653958	Y
6	ICIS 480-594935/21	25.0	17.362608	25.0	307186.0	0.694504	Y
7	IC 480-594935/22	50.0	39.652909	25.0	289405.0	0.793058	Y
8	IC 480-594935/23	100.0	80.892469	25.0	280413.0	0.808925	N



Calibration

/ Ethylbenzene

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

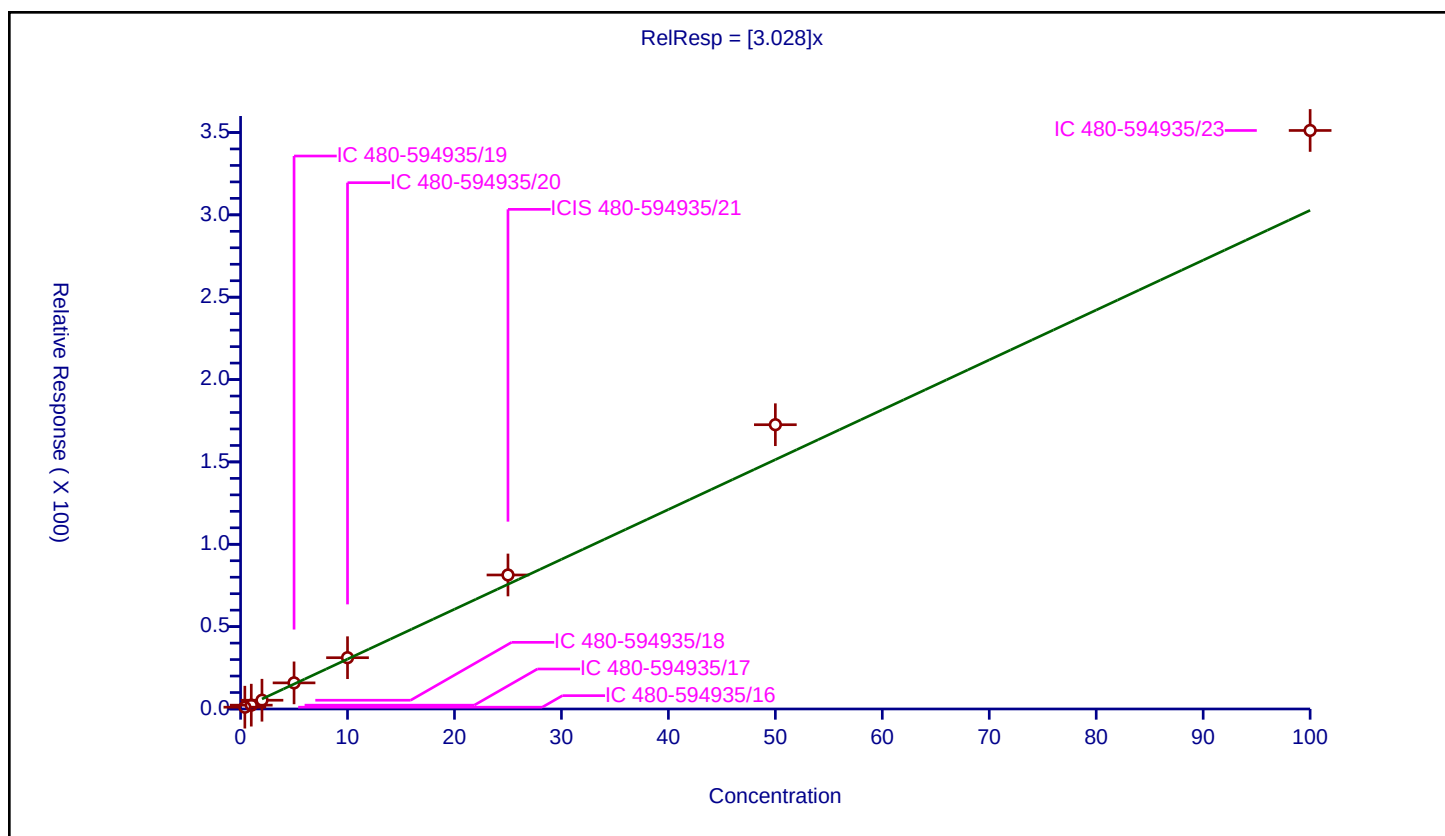
Curve Coefficients

Intercept: 0
 Slope: 3.028

Error Coefficients

Standard Error: 1720000
 Relative Standard Error: 13.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	1.091013	25.0	285377.0	2.727532	Y
2	IC 480-594935/17	1.0	2.325583	25.0	308944.0	2.325583	Y
3	IC 480-594935/18	2.0	5.324931	25.0	309112.0	2.662465	Y
4	IC 480-594935/19	5.0	15.863499	25.0	296254.0	3.1727	Y
5	IC 480-594935/20	10.0	31.136139	25.0	311071.0	3.113614	Y
6	ICIS 480-594935/21	25.0	81.362595	25.0	307186.0	3.254504	Y
7	IC 480-594935/22	50.0	172.582626	25.0	289405.0	3.451653	Y
8	IC 480-594935/23	100.0	351.229258	25.0	280413.0	3.512293	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

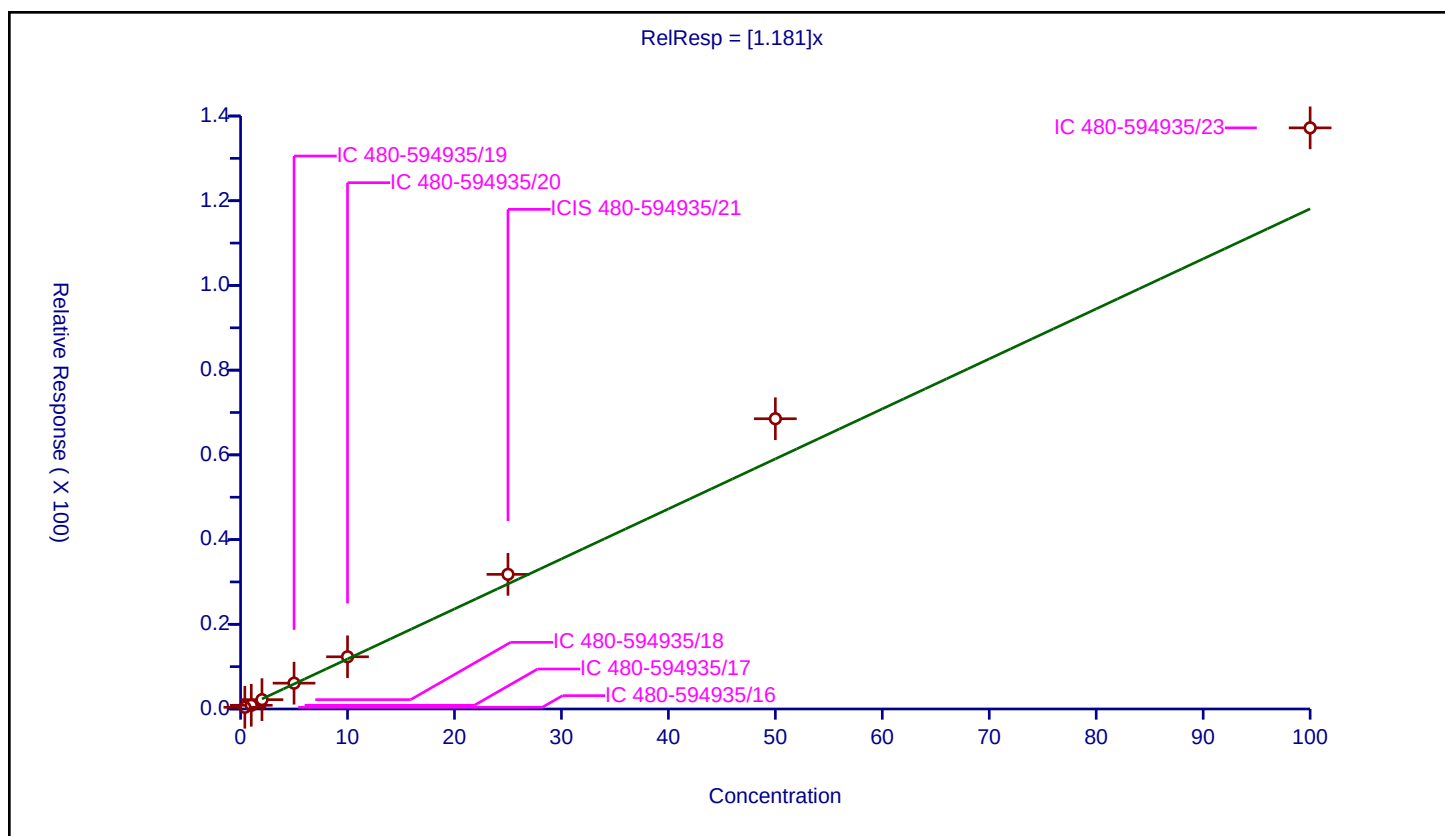
Curve Coefficients

Intercept: 0
Slope: 1.181

Error Coefficients

Standard Error: 674000
Relative Standard Error: 14.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.40245	25.0	285377.0	1.006125	Y
2	IC 480-594935/17	1.0	0.873297	25.0	308944.0	0.873297	Y
3	IC 480-594935/18	2.0	2.203975	25.0	309112.0	1.101987	Y
4	IC 480-594935/19	5.0	6.096627	25.0	296254.0	1.219325	Y
5	IC 480-594935/20	10.0	12.322508	25.0	311071.0	1.232251	Y
6	ICIS 480-594935/21	25.0	31.787826	25.0	307186.0	1.271513	Y
7	IC 480-594935/22	50.0	68.525336	25.0	289405.0	1.370507	Y
8	IC 480-594935/23	100.0	137.206906	25.0	280413.0	1.372069	Y



Calibration

/ o-Xylene

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

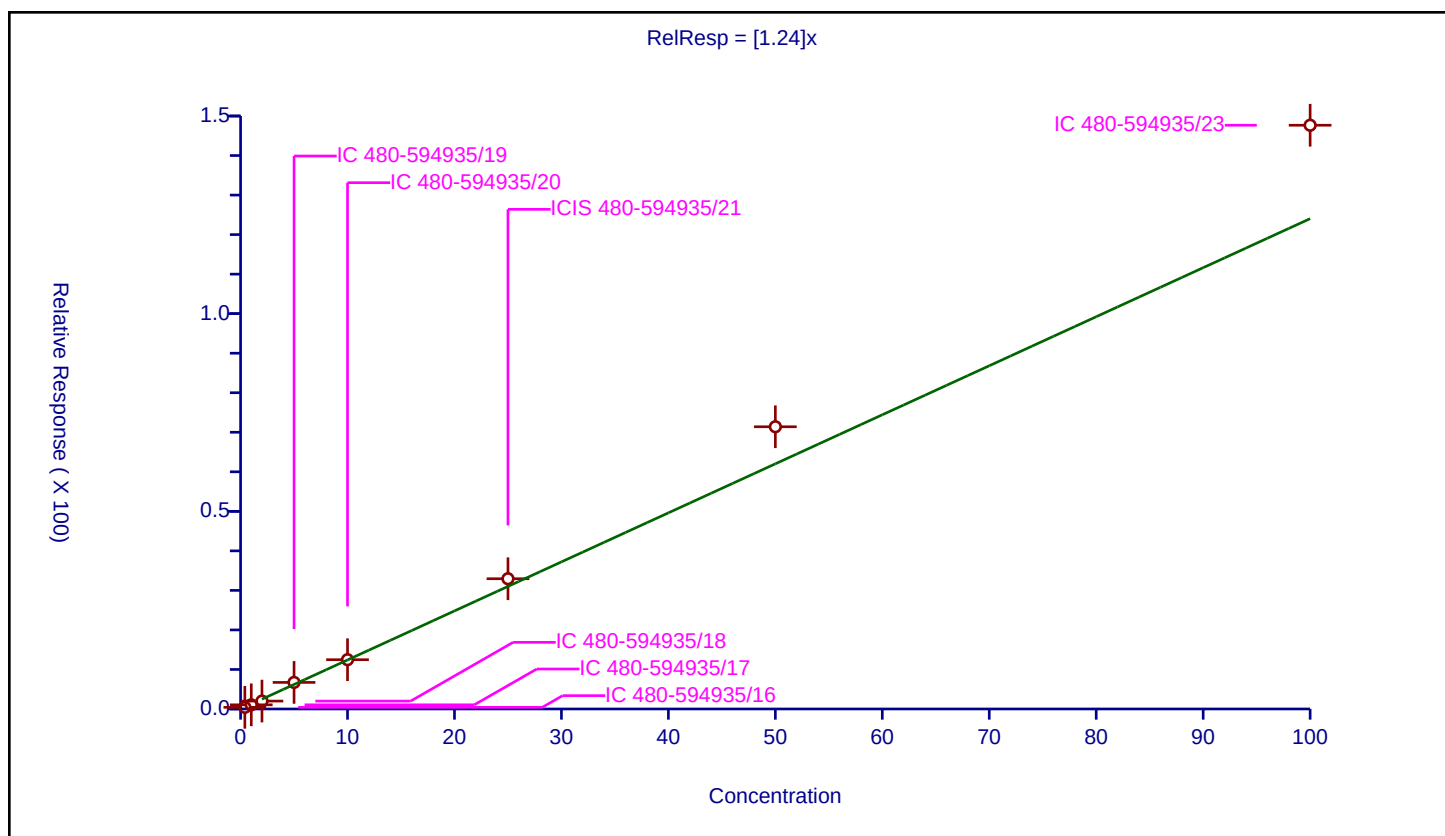
Curve Coefficients

Intercept: 0
 Slope: 1.24

Error Coefficients

Standard Error: 719000
 Relative Standard Error: 14.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.421898	25.0	285377.0	1.054745	Y
2	IC 480-594935/17	1.0	1.053184	25.0	308944.0	1.053184	Y
3	IC 480-594935/18	2.0	2.00251	25.0	309112.0	1.001255	Y
4	IC 480-594935/19	5.0	6.719825	25.0	296254.0	1.343965	Y
5	IC 480-594935/20	10.0	12.470385	25.0	311071.0	1.247038	Y
6	ICIS 480-594935/21	25.0	32.946977	25.0	307186.0	1.317879	Y
7	IC 480-594935/22	50.0	71.393462	25.0	289405.0	1.427869	Y
8	IC 480-594935/23	100.0	147.663001	25.0	280413.0	1.47663	Y



Calibration

/ Styrene

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

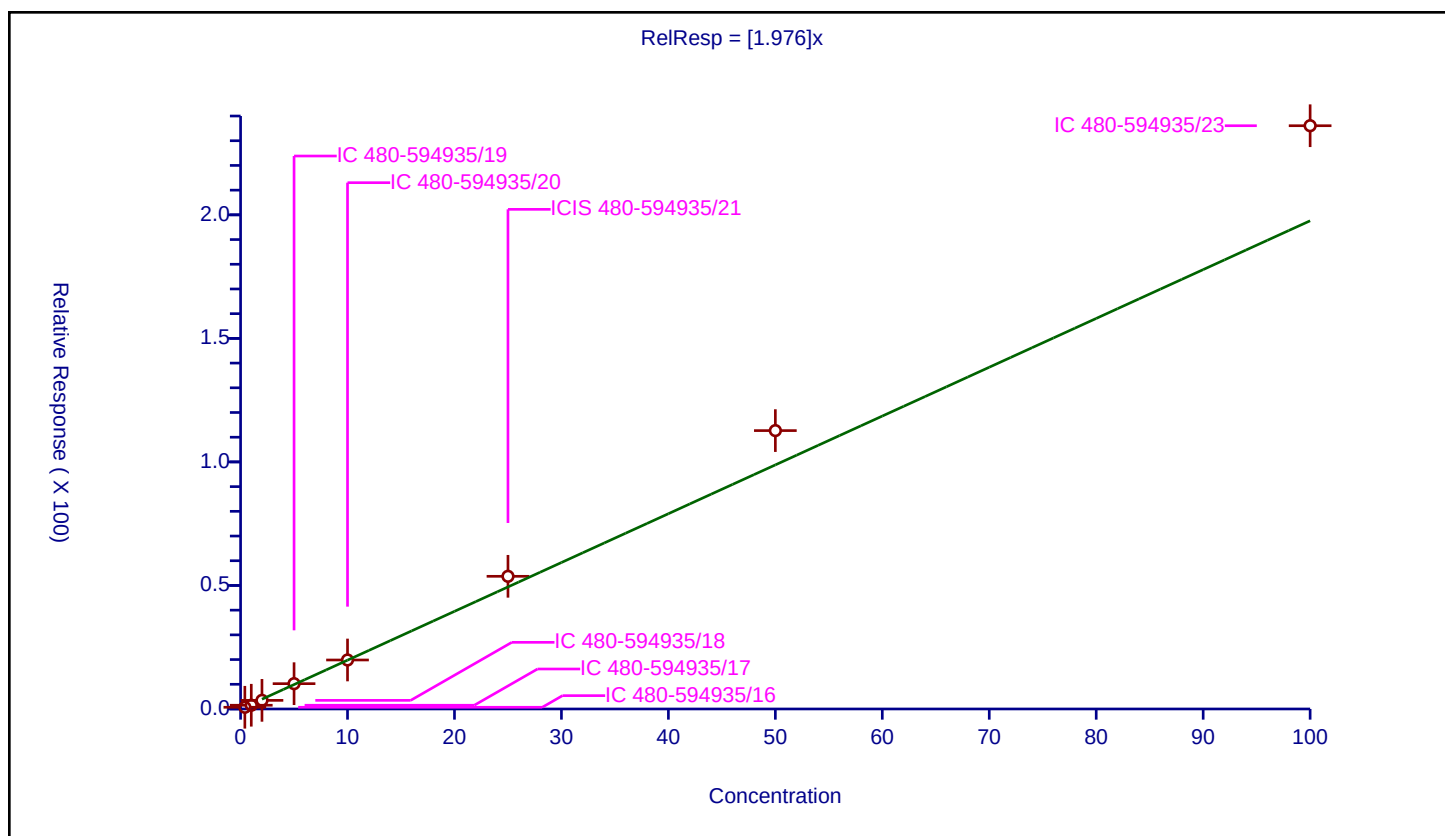
Curve Coefficients

Intercept: 0
 Slope: 1.976

Error Coefficients

Standard Error: 1150000
 Relative Standard Error: 14.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.700477	25.0	285377.0	1.751192	Y
2	IC 480-594935/17	1.0	1.514757	25.0	308944.0	1.514757	Y
3	IC 480-594935/18	2.0	3.49307	25.0	309112.0	1.746535	Y
4	IC 480-594935/19	5.0	10.245684	25.0	296254.0	2.049137	Y
5	IC 480-594935/20	10.0	19.836709	25.0	311071.0	1.983671	Y
6	ICIS 480-594935/21	25.0	53.700038	25.0	307186.0	2.148002	Y
7	IC 480-594935/22	50.0	112.673589	25.0	289405.0	2.253472	Y
8	IC 480-594935/23	100.0	236.071883	25.0	280413.0	2.360719	Y



Calibration

/ Bromoform

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

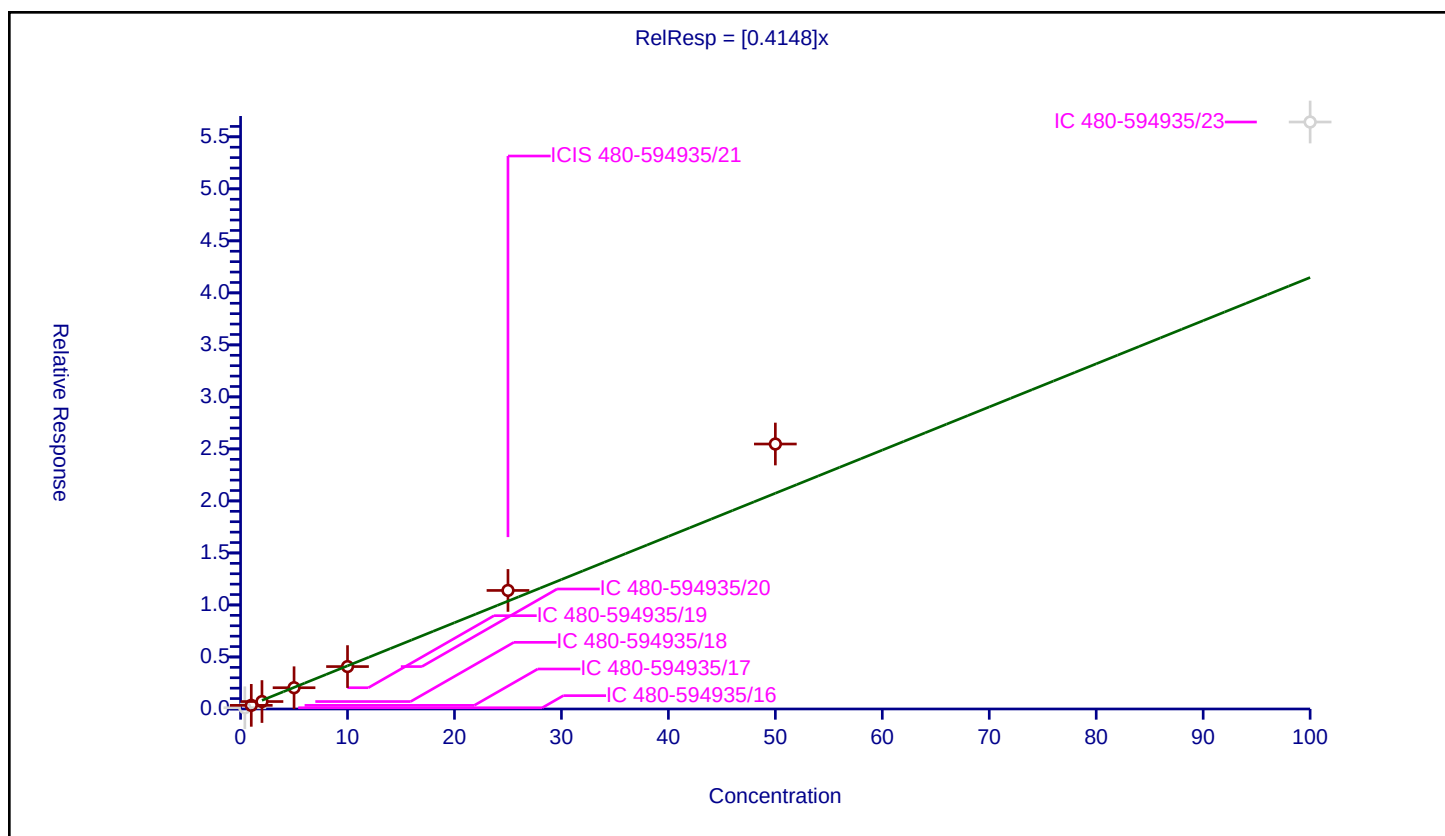
Curve Coefficients

Intercept: 0
 Slope: 0.4148

Error Coefficients

Standard Error: 148000
 Relative Standard Error: 14.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.118878	25.0	285377.0	0.297195	N
2	IC 480-594935/17	1.0	0.348769	25.0	308944.0	0.348769	Y
3	IC 480-594935/18	2.0	0.716083	25.0	309112.0	0.358042	Y
4	IC 480-594935/19	5.0	2.043685	25.0	296254.0	0.408737	Y
5	IC 480-594935/20	10.0	4.077767	25.0	311071.0	0.407777	Y
6	ICIS 480-594935/21	25.0	11.396515	25.0	307186.0	0.455861	Y
7	IC 480-594935/22	50.0	25.471571	25.0	289405.0	0.509431	Y
8	IC 480-594935/23	100.0	56.424363	25.0	280413.0	0.564244	N



Calibration

/ Isopropylbenzene

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

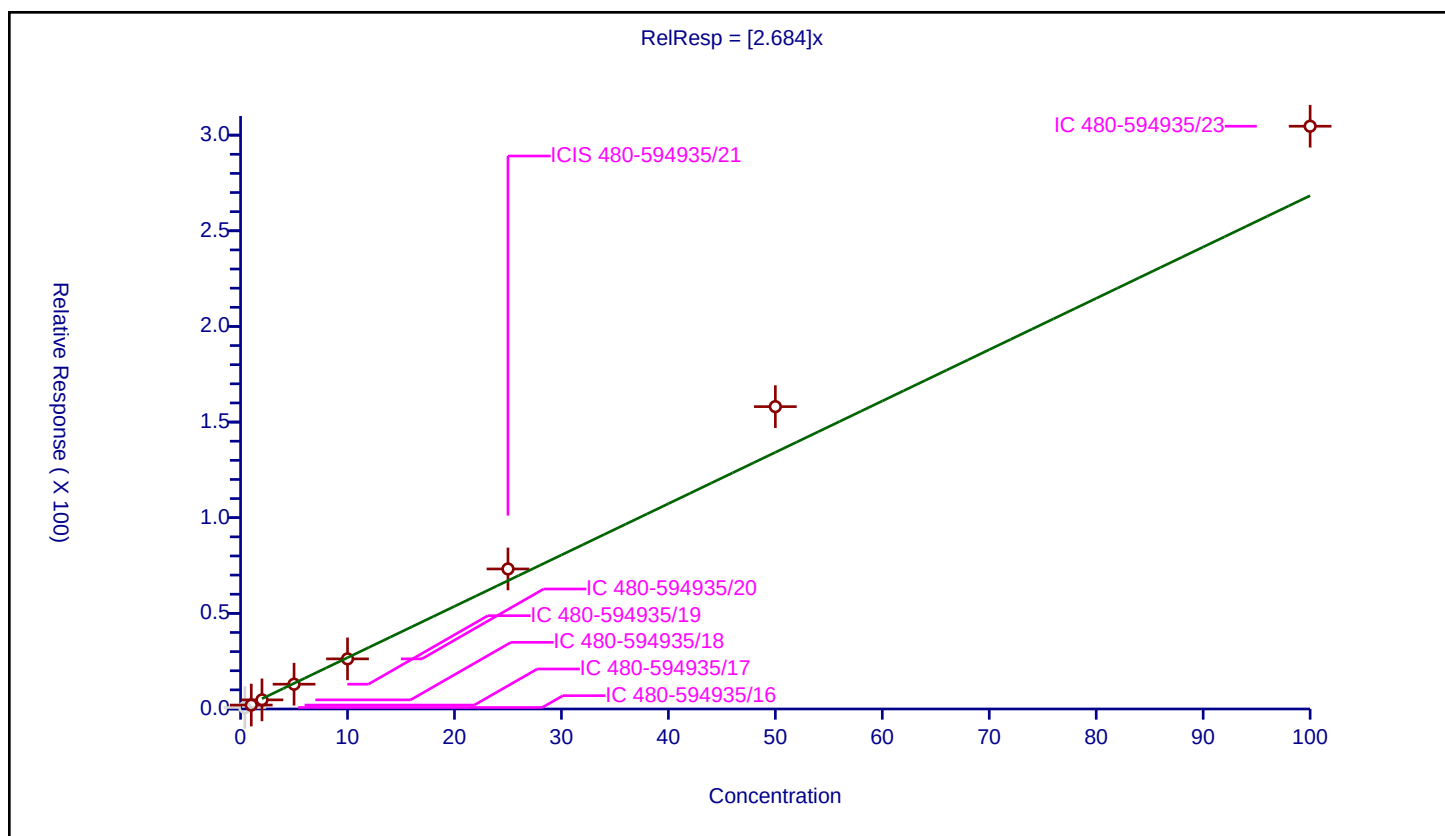
Curve Coefficients

Intercept: 0
 Slope: 2.684

Error Coefficients

Standard Error: 2110000
 Relative Standard Error: 14.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.785462	25.0	365358.0	1.963656	N
2	IC 480-594935/17	1.0	2.049397	25.0	352189.0	2.049397	Y
3	IC 480-594935/18	2.0	4.774502	25.0	373395.0	2.387251	Y
4	IC 480-594935/19	5.0	12.956686	25.0	380404.0	2.591337	Y
5	IC 480-594935/20	10.0	26.206183	25.0	385638.0	2.620618	Y
6	ICIS 480-594935/21	25.0	73.213821	25.0	372807.0	2.928553	Y
7	IC 480-594935/22	50.0	158.074875	25.0	358826.0	3.161497	Y
8	IC 480-594935/23	100.0	304.663116	25.0	368450.0	3.046631	Y



Calibration

/ 4-Bromofluorobenzene (Surr)

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

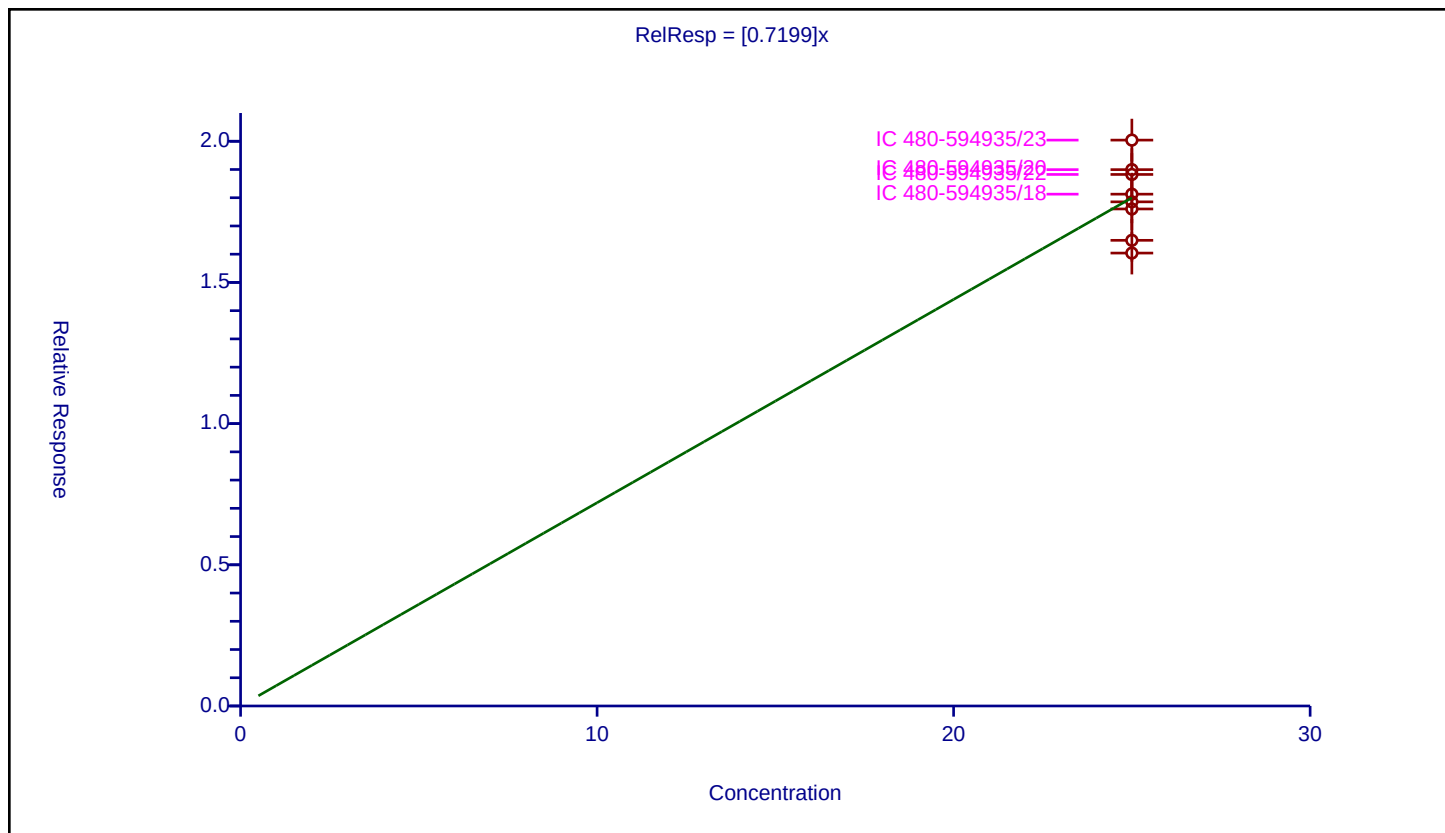
Curve Coefficients

Intercept: 0
 Slope: 0.7199

Error Coefficients

Standard Error: 230000
 Relative Standard Error: 7.3
 Correlation Coefficient: 0
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	25.0	17.602067	25.0	285377.0	0.704083	Y
2	IC 480-594935/17	25.0	16.040043	25.0	308944.0	0.641602	Y
3	IC 480-594935/18	25.0	18.126359	25.0	309112.0	0.725054	Y
4	IC 480-594935/19	25.0	16.491339	25.0	296254.0	0.659654	Y
5	IC 480-594935/20	25.0	18.995101	25.0	311071.0	0.759804	Y
6	ICIS 480-594935/21	25.0	17.854655	25.0	307186.0	0.714186	Y
7	IC 480-594935/22	25.0	18.823794	25.0	289405.0	0.752952	Y
8	IC 480-594935/23	25.0	20.040084	25.0	280413.0	0.801603	Y



Calibration

/ Bromobenzene

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

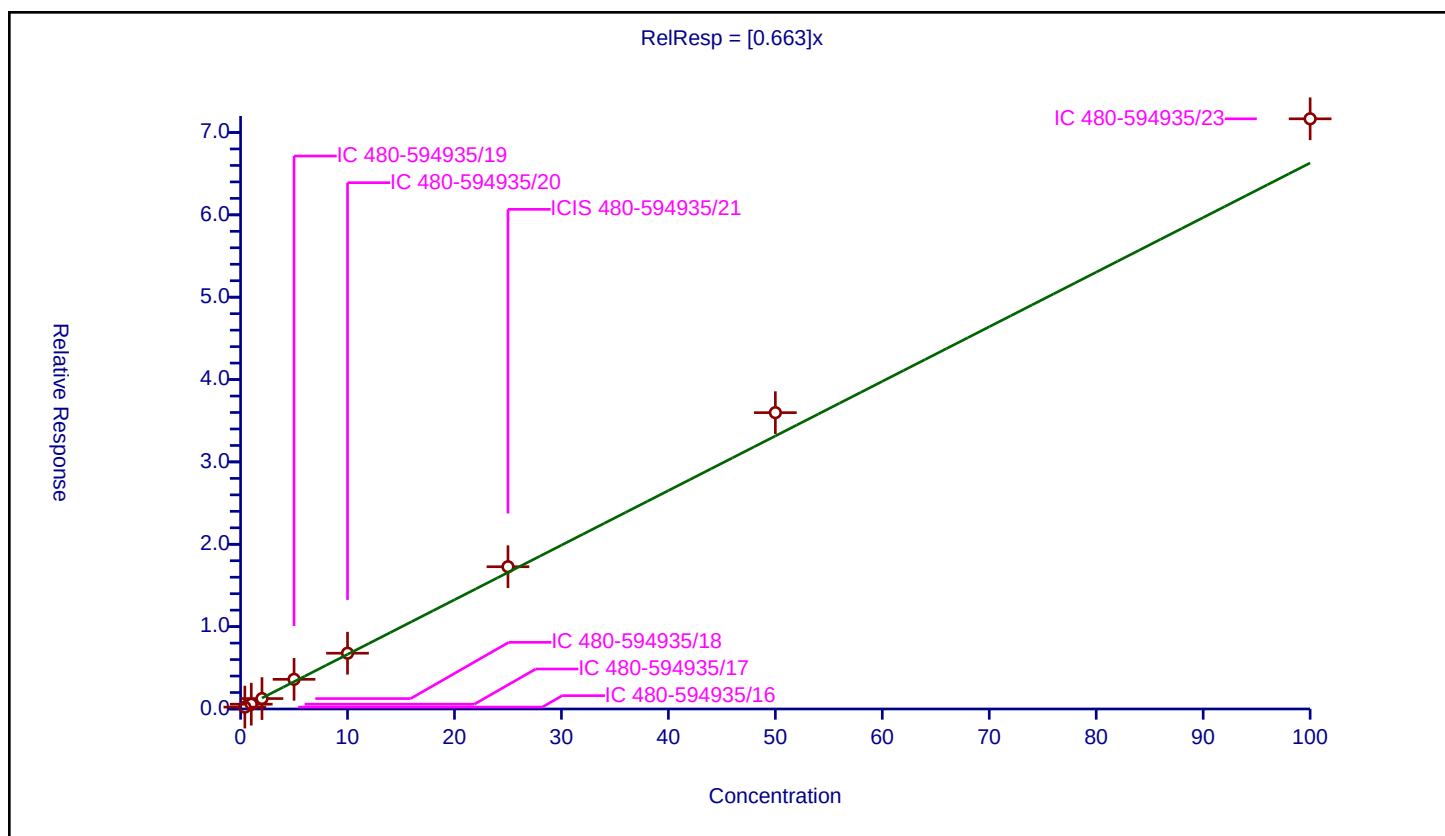
Curve Coefficients

Intercept: 0
Slope: 0.663

Error Coefficients

Standard Error: 457000
Relative Standard Error: 9.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.226901	25.0	365358.0	0.567252	Y
2	IC 480-594935/17	1.0	0.579589	25.0	352189.0	0.579589	Y
3	IC 480-594935/18	2.0	1.263943	25.0	373395.0	0.631972	Y
4	IC 480-594935/19	5.0	3.603077	25.0	380404.0	0.720615	Y
5	IC 480-594935/20	10.0	6.773516	25.0	385638.0	0.677352	Y
6	ICIS 480-594935/21	25.0	17.27261	25.0	372807.0	0.690904	Y
7	IC 480-594935/22	50.0	35.981576	25.0	358826.0	0.719632	Y
8	IC 480-594935/23	100.0	71.66108	25.0	368450.0	0.716611	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

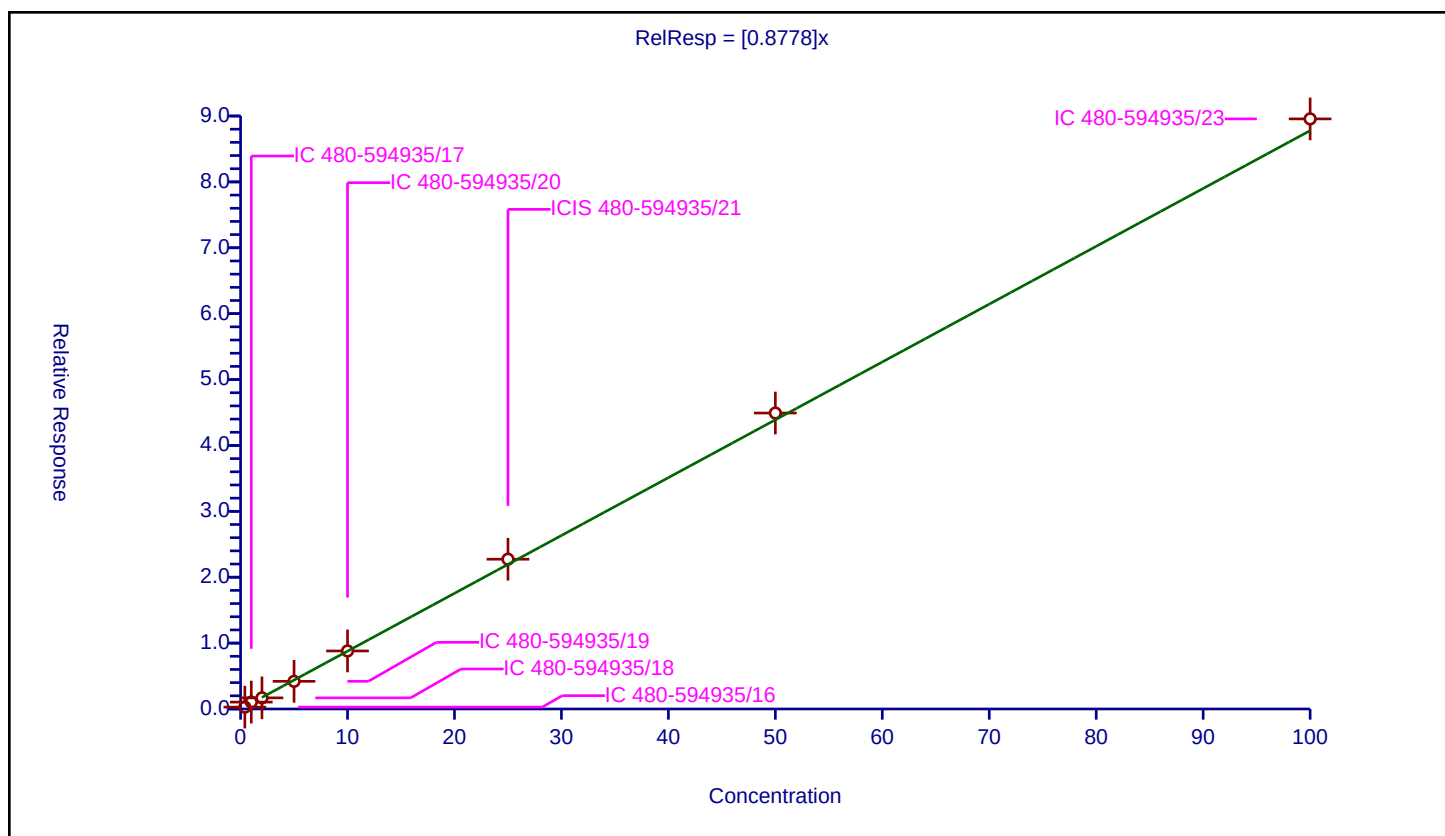
Curve Coefficients

Intercept: 0
Slope: 0.8778

Error Coefficients

Standard Error: 573000
Relative Standard Error: 10.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.283489	25.0	365358.0	0.708723	Y
2	IC 480-594935/17	1.0	1.044894	25.0	352189.0	1.044894	Y
3	IC 480-594935/18	2.0	1.688761	25.0	373395.0	0.844381	Y
4	IC 480-594935/19	5.0	4.200534	25.0	380404.0	0.840107	Y
5	IC 480-594935/20	10.0	8.809687	25.0	385638.0	0.880969	Y
6	ICIS 480-594935/21	25.0	22.733814	25.0	372807.0	0.909353	Y
7	IC 480-594935/22	50.0	44.919474	25.0	358826.0	0.898389	Y
8	IC 480-594935/23	100.0	89.562627	25.0	368450.0	0.895626	Y



Calibration

/ N-Propylbenzene

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

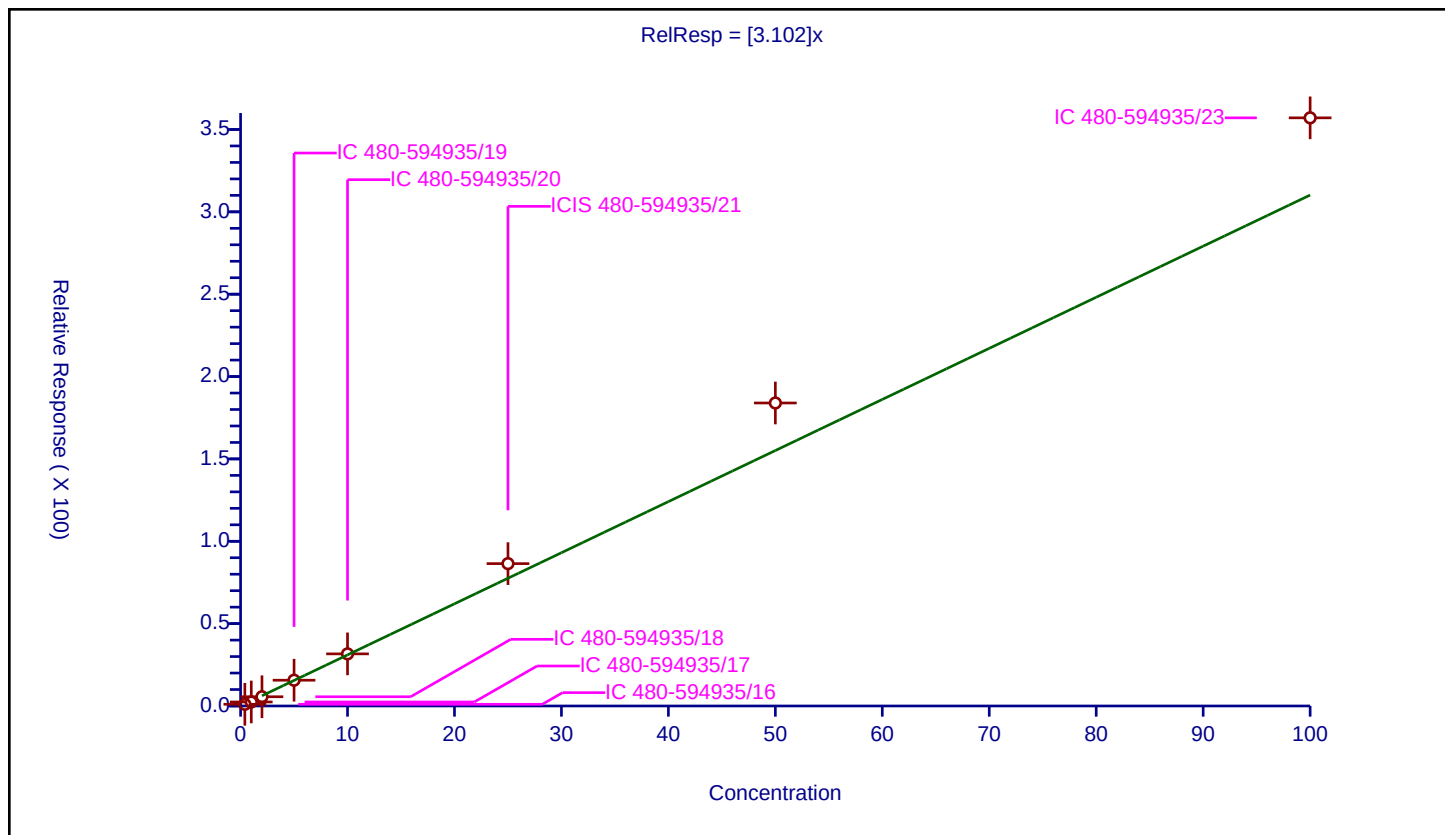
Curve Coefficients

Intercept: 0
Slope: 3.102

Error Coefficients

Standard Error: 2290000
Relative Standard Error: 14.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	1.028238	25.0	365358.0	2.570595	Y
2	IC 480-594935/17	1.0	2.434843	25.0	352189.0	2.434843	Y
3	IC 480-594935/18	2.0	5.615032	25.0	373395.0	2.807516	Y
4	IC 480-594935/19	5.0	15.653949	25.0	380404.0	3.13079	Y
5	IC 480-594935/20	10.0	31.639193	25.0	385638.0	3.163919	Y
6	ICIS 480-594935/21	25.0	86.425081	25.0	372807.0	3.457003	Y
7	IC 480-594935/22	50.0	183.956082	25.0	358826.0	3.679122	Y
8	IC 480-594935/23	100.0	357.069752	25.0	368450.0	3.570698	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

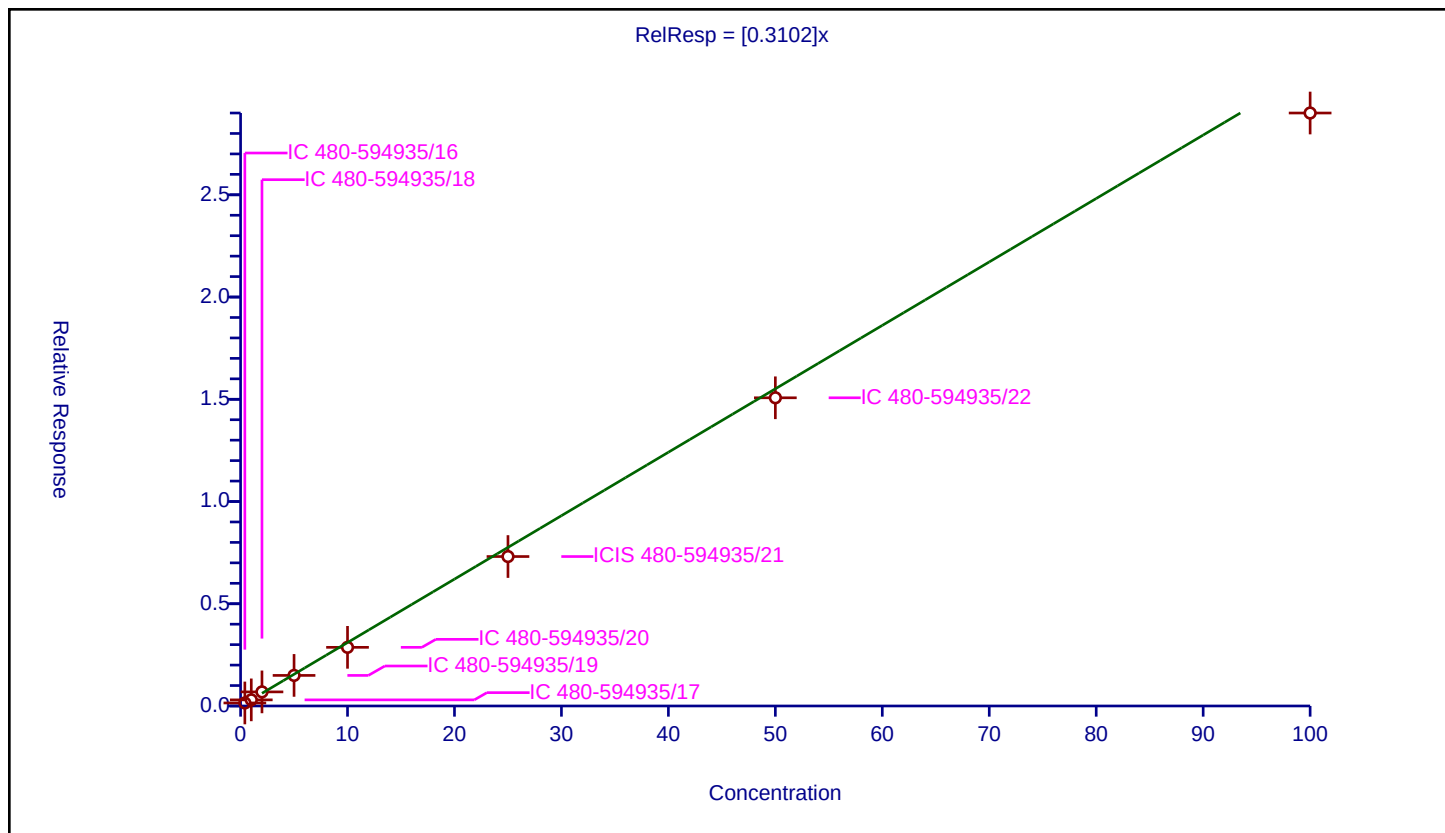
Curve Coefficients

Intercept: 0
 Slope: 0.3102

Error Coefficients

Standard Error: 187000
 Relative Standard Error: 9.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.147458	25.0	365358.0	0.368645	Y
2	IC 480-594935/17	1.0	0.298703	25.0	352189.0	0.298703	Y
3	IC 480-594935/18	2.0	0.689551	25.0	373395.0	0.344776	Y
4	IC 480-594935/19	5.0	1.495121	25.0	380404.0	0.299024	Y
5	IC 480-594935/20	10.0	2.868882	25.0	385638.0	0.286888	Y
6	ICIS 480-594935/21	25.0	7.309747	25.0	372807.0	0.29239	Y
7	IC 480-594935/22	50.0	15.073253	25.0	358826.0	0.301465	Y
8	IC 480-594935/23	100.0	28.999932	25.0	368450.0	0.289999	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

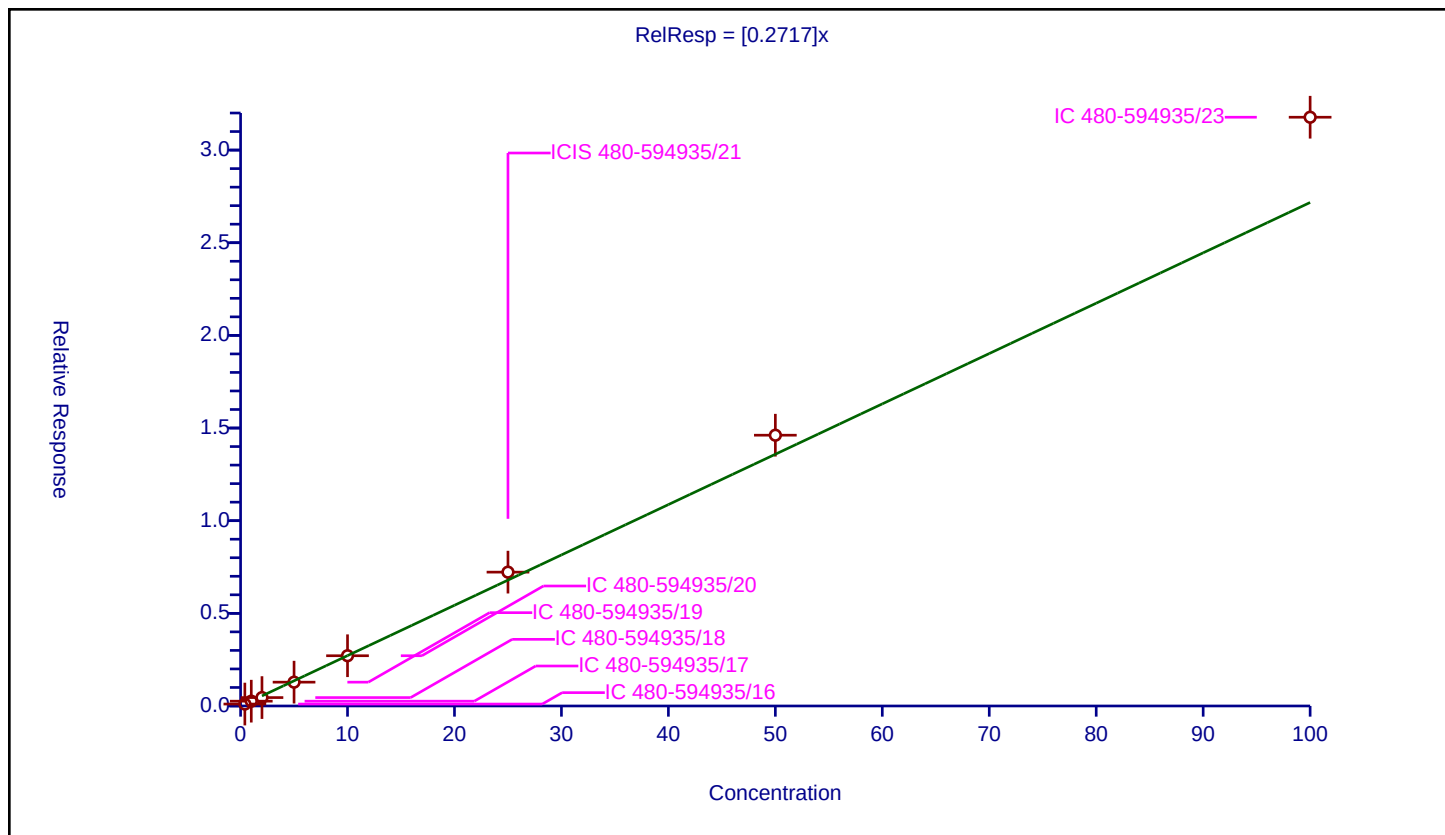
Curve Coefficients

Intercept: 0
 Slope: 0.2717

Error Coefficients

Standard Error: 199000
 Relative Standard Error: 10.1
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.103871	25.0	365358.0	0.259677	Y
2	IC 480-594935/17	1.0	0.259591	25.0	352189.0	0.259591	Y
3	IC 480-594935/18	2.0	0.454479	25.0	373395.0	0.227239	Y
4	IC 480-594935/19	5.0	1.285213	25.0	380404.0	0.257043	Y
5	IC 480-594935/20	10.0	2.712453	25.0	385638.0	0.271245	Y
6	ICIS 480-594935/21	25.0	7.223107	25.0	372807.0	0.288924	Y
7	IC 480-594935/22	50.0	14.613002	25.0	358826.0	0.29226	Y
8	IC 480-594935/23	100.0	31.7729	25.0	368450.0	0.317729	Y



Calibration

/ 2-Chlorotoluene

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

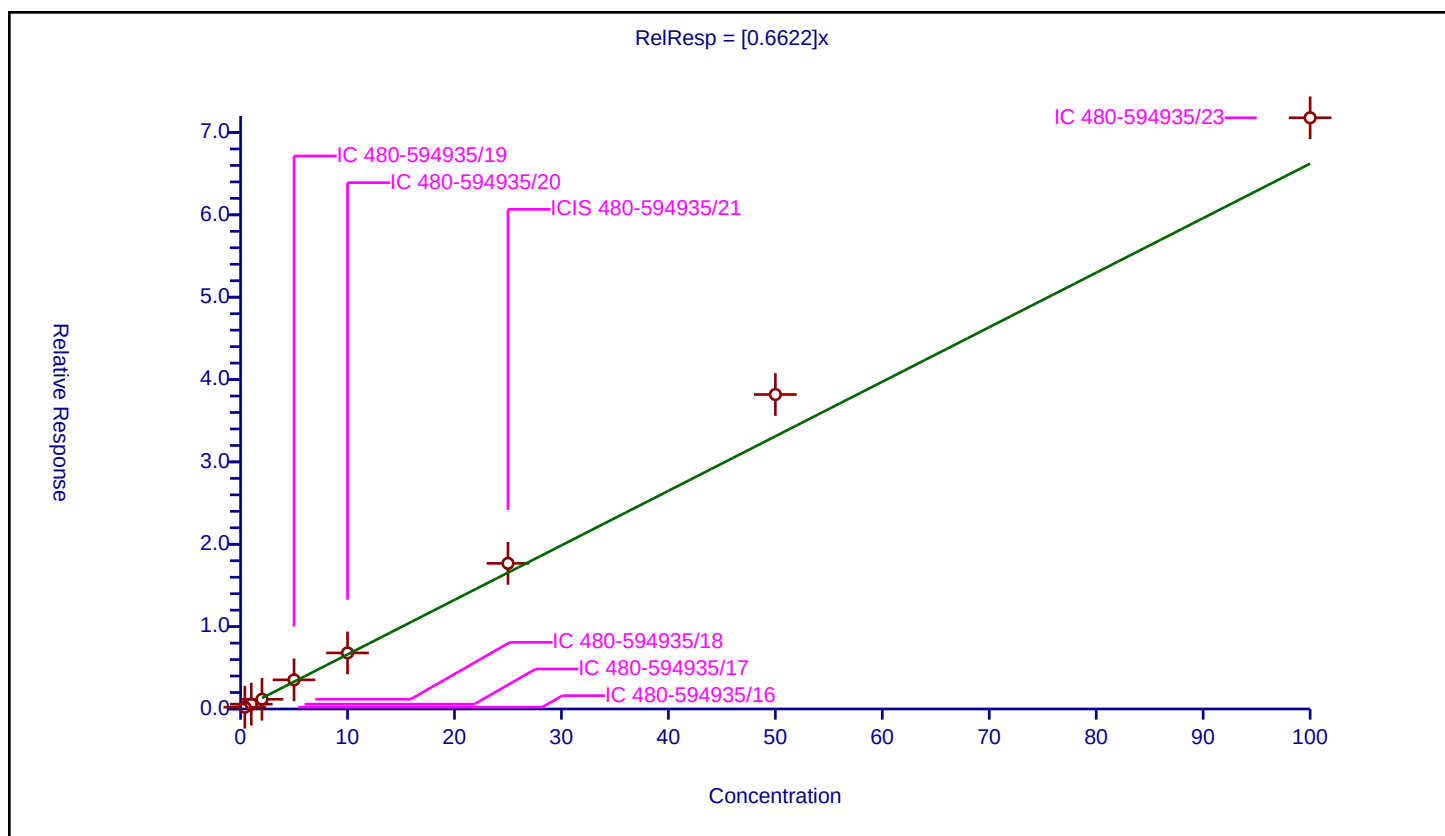
Curve Coefficients

Intercept: 0
Slope: 0.6622

Error Coefficients

Standard Error: 463000
Relative Standard Error: 11.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.218416	25.0	365358.0	0.54604	Y
2	IC 480-594935/17	1.0	0.584203	25.0	352189.0	0.584203	Y
3	IC 480-594935/18	2.0	1.180185	25.0	373395.0	0.590092	Y
4	IC 480-594935/19	5.0	3.538278	25.0	380404.0	0.707656	Y
5	IC 480-594935/20	10.0	6.808198	25.0	385638.0	0.68082	Y
6	ICIS 480-594935/21	25.0	17.684284	25.0	372807.0	0.707371	Y
7	IC 480-594935/22	50.0	38.185848	25.0	358826.0	0.763717	Y
8	IC 480-594935/23	100.0	71.784096	25.0	368450.0	0.717841	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

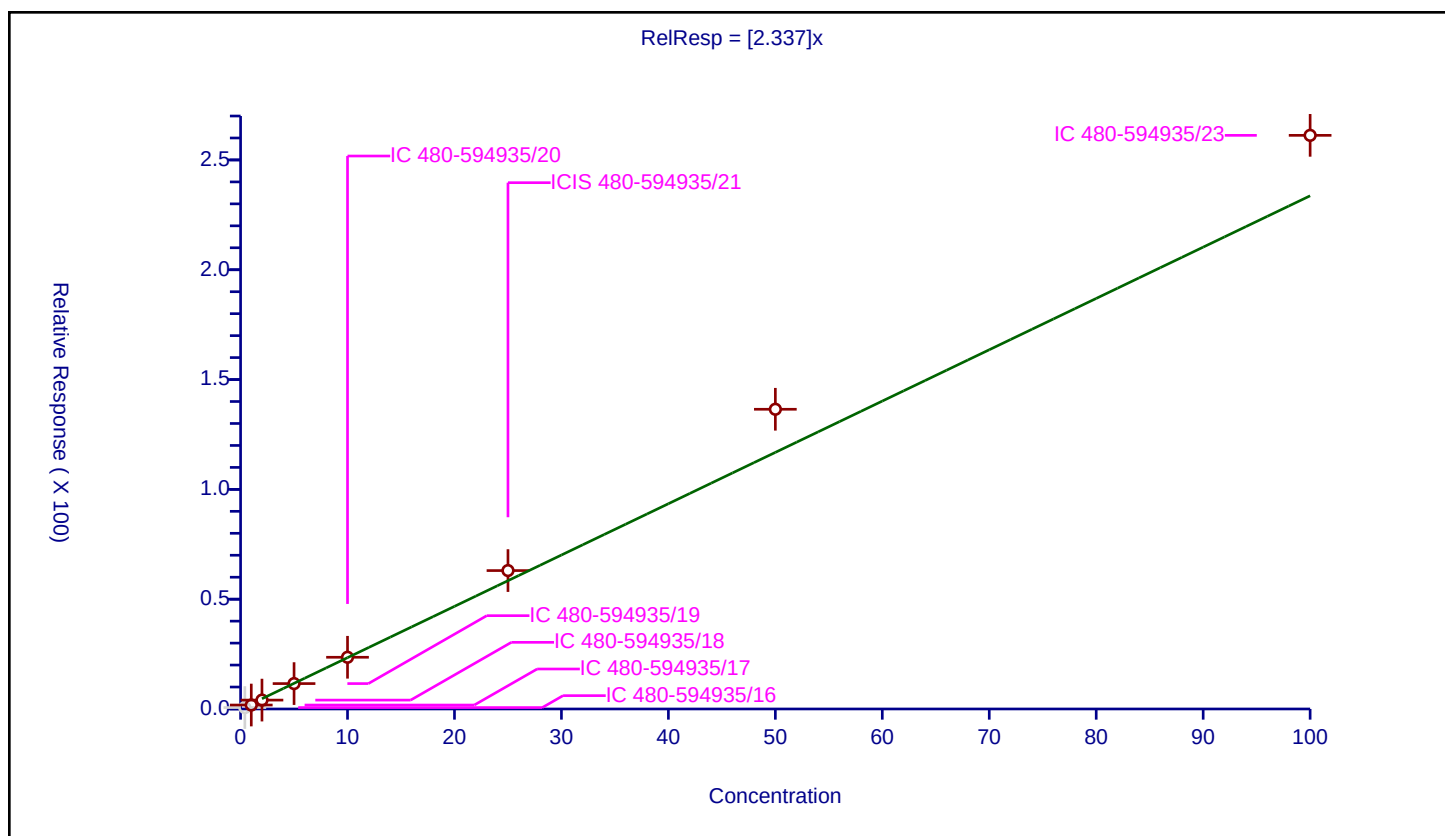
Curve Coefficients

Intercept: 0
 Slope: 2.337

Error Coefficients

Standard Error: 1810000
 Relative Standard Error: 14.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.643615	25.0	365358.0	1.609038	N
2	IC 480-594935/17	1.0	1.80017	25.0	352189.0	1.80017	Y
3	IC 480-594935/18	2.0	4.051072	25.0	373395.0	2.025536	Y
4	IC 480-594935/19	5.0	11.571185	25.0	380404.0	2.314237	Y
5	IC 480-594935/20	10.0	23.544166	25.0	385638.0	2.354417	Y
6	ICIS 480-594935/21	25.0	63.026646	25.0	372807.0	2.521066	Y
7	IC 480-594935/22	50.0	136.467675	25.0	358826.0	2.729354	Y
8	IC 480-594935/23	100.0	261.193717	25.0	368450.0	2.611937	Y



Calibration

/ 4-Chlorotoluene

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

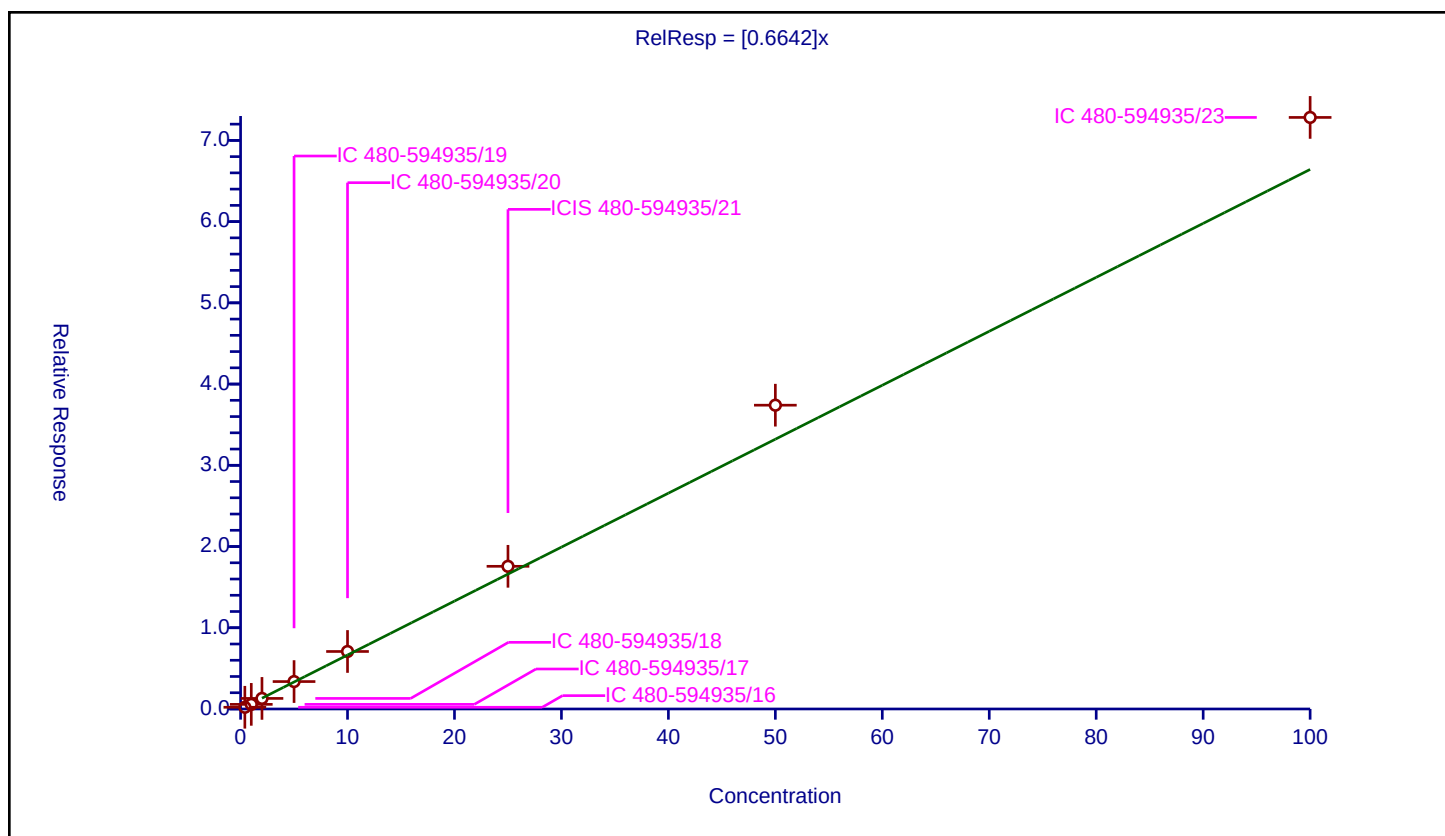
Curve Coefficients

Intercept: 0
 Slope: 0.6642

Error Coefficients

Standard Error: 467000
 Relative Standard Error: 11.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.2126	25.0	365358.0	0.531499	Y
2	IC 480-594935/17	1.0	0.569226	25.0	352189.0	0.569226	Y
3	IC 480-594935/18	2.0	1.30224	25.0	373395.0	0.65112	Y
4	IC 480-594935/19	5.0	3.376082	25.0	380404.0	0.675216	Y
5	IC 480-594935/20	10.0	7.079308	25.0	385638.0	0.707931	Y
6	ICIS 480-594935/21	25.0	17.565255	25.0	372807.0	0.70261	Y
7	IC 480-594935/22	50.0	37.398837	25.0	358826.0	0.747977	Y
8	IC 480-594935/23	100.0	72.825824	25.0	368450.0	0.728258	Y



Calibration

/ tert-Butylbenzene

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

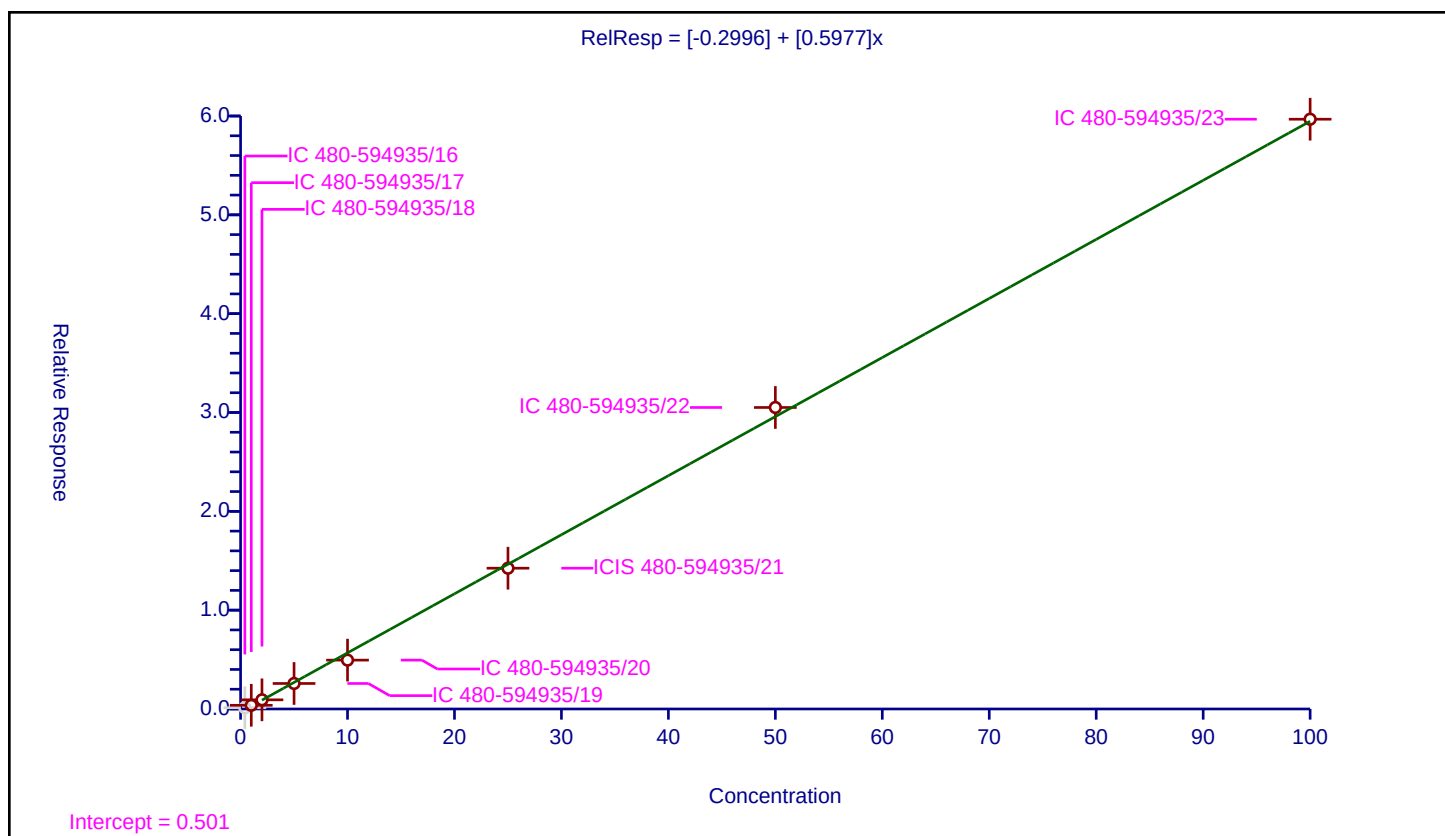
Curve Coefficients

Intercept: -0.2996
 Slope: 0.5977

Error Coefficients

Standard Error: 451000
 Relative Standard Error: 8.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.12522	25.0	365358.0	0.313049	N
2	IC 480-594935/17	1.0	0.372456	25.0	352189.0	0.372456	Y
3	IC 480-594935/18	2.0	0.926834	25.0	373395.0	0.463417	Y
4	IC 480-594935/19	5.0	2.581992	25.0	380404.0	0.516398	Y
5	IC 480-594935/20	10.0	4.945636	25.0	385638.0	0.494564	Y
6	ICIS 480-594935/21	25.0	14.245776	25.0	372807.0	0.569831	Y
7	IC 480-594935/22	50.0	30.508101	25.0	358826.0	0.610162	Y
8	IC 480-594935/23	100.0	59.676075	25.0	368450.0	0.596761	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

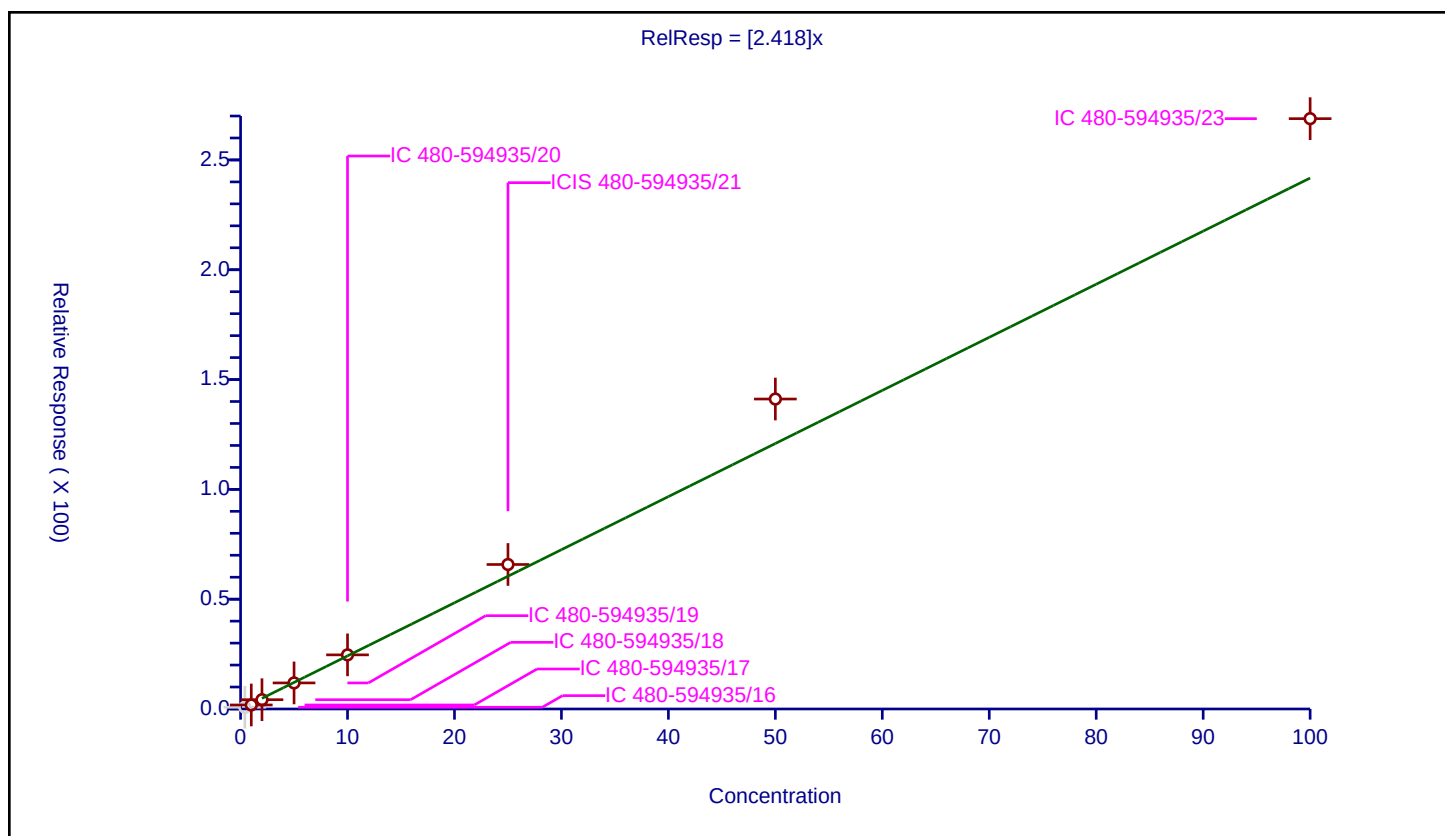
Curve Coefficients

Intercept: 0
 Slope: 2.418

Error Coefficients

Standard Error: 1870000
 Relative Standard Error: 14.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.780331	25.0	365358.0	1.950826	N
2	IC 480-594935/17	1.0	1.830409	25.0	352189.0	1.830409	Y
3	IC 480-594935/18	2.0	4.226088	25.0	373395.0	2.113044	Y
4	IC 480-594935/19	5.0	11.867843	25.0	380404.0	2.373569	Y
5	IC 480-594935/20	10.0	24.638651	25.0	385638.0	2.463865	Y
6	ICIS 480-594935/21	25.0	65.790744	25.0	372807.0	2.63163	Y
7	IC 480-594935/22	50.0	141.132332	25.0	358826.0	2.822647	Y
8	IC 480-594935/23	100.0	268.798819	25.0	368450.0	2.687988	Y



Calibration

/ sec-Butylbenzene

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

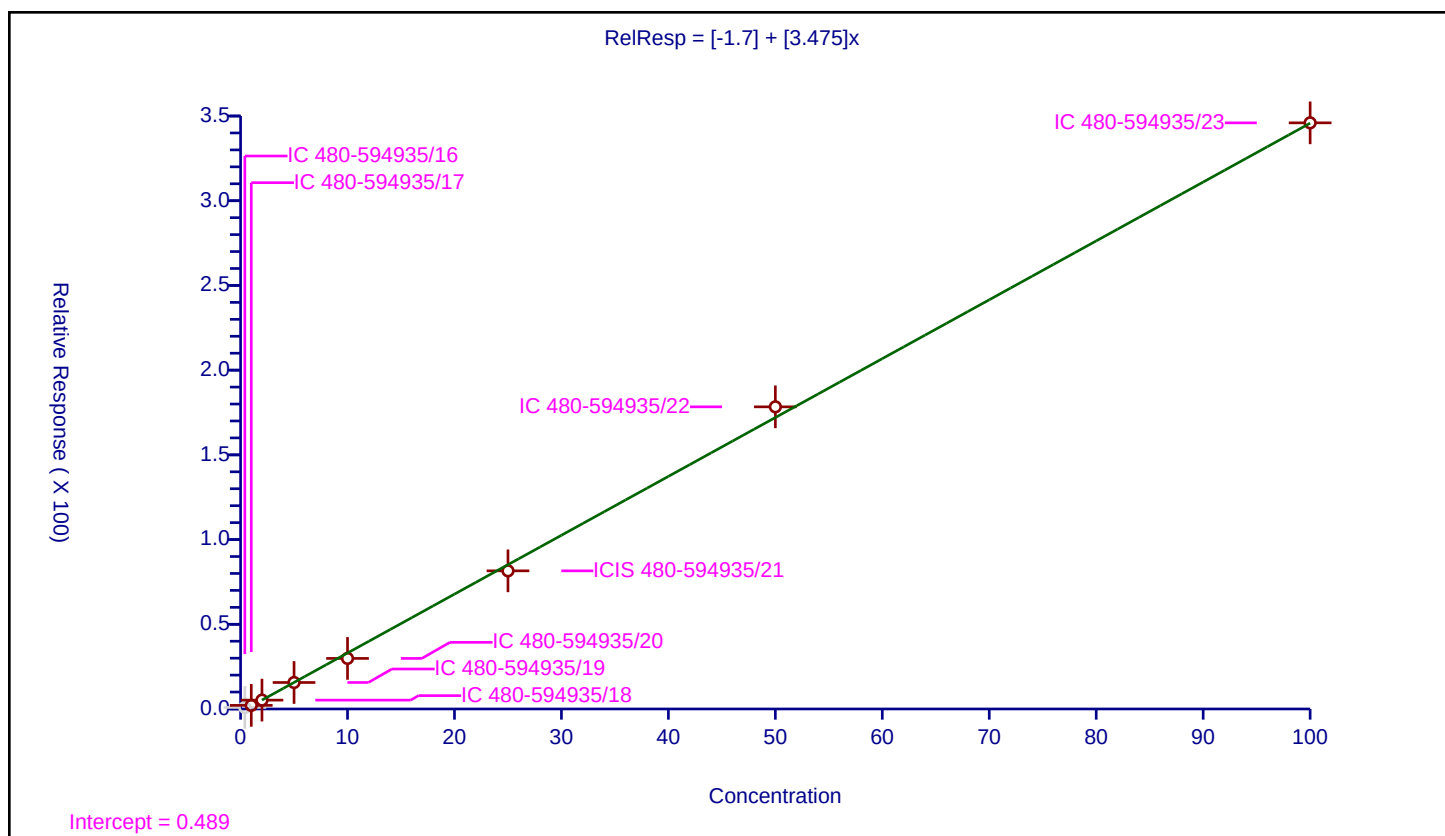
Curve Coefficients

Intercept: -1.7
 Slope: 3.475

Error Coefficients

Standard Error: 2620000
 Relative Standard Error: 6.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.905824	25.0	365358.0	2.26456	N
2	IC 480-594935/17	1.0	2.127196	25.0	352189.0	2.127196	Y
3	IC 480-594935/18	2.0	5.230319	25.0	373395.0	2.61516	Y
4	IC 480-594935/19	5.0	15.632065	25.0	380404.0	3.126413	Y
5	IC 480-594935/20	10.0	29.85734	25.0	385638.0	2.985734	Y
6	ICIS 480-594935/21	25.0	81.545009	25.0	372807.0	3.2618	Y
7	IC 480-594935/22	50.0	178.334346	25.0	358826.0	3.566687	Y
8	IC 480-594935/23	100.0	345.968517	25.0	368450.0	3.459685	Y



Calibration

/ 1,3-Dichlorobenzene

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

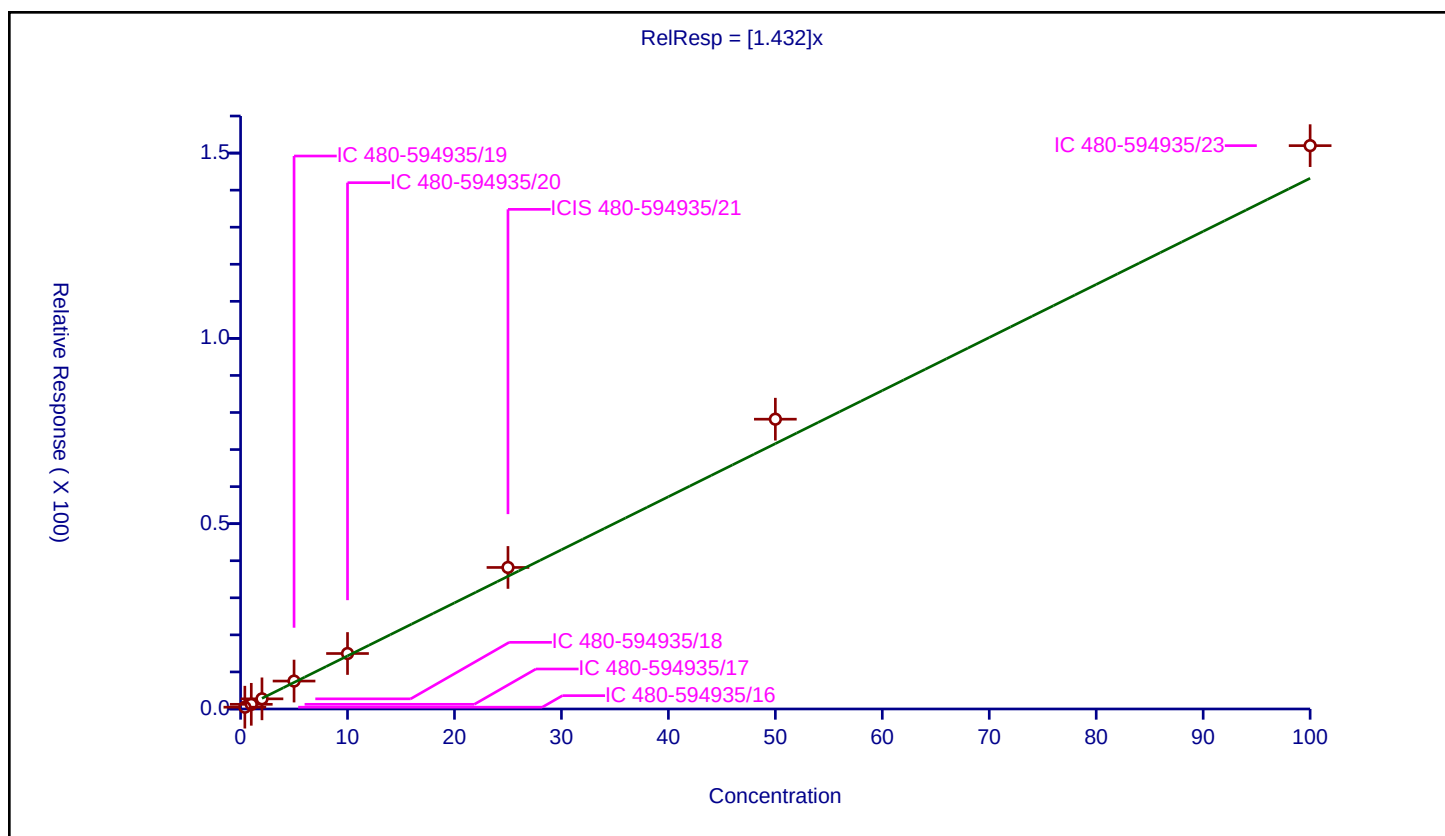
Curve Coefficients

Intercept: 0
Slope: 1.432

Error Coefficients

Standard Error: 976000
Relative Standard Error: 9.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.483977	25.0	365358.0	1.209943	Y
2	IC 480-594935/17	1.0	1.259622	25.0	352189.0	1.259622	Y
3	IC 480-594935/18	2.0	2.740061	25.0	373395.0	1.37003	Y
4	IC 480-594935/19	5.0	7.538499	25.0	380404.0	1.5077	Y
5	IC 480-594935/20	10.0	14.967664	25.0	385638.0	1.496766	Y
6	ICIS 480-594935/21	25.0	38.188325	25.0	372807.0	1.527533	Y
7	IC 480-594935/22	50.0	78.199253	25.0	358826.0	1.563985	Y
8	IC 480-594935/23	100.0	152.00631	25.0	368450.0	1.520063	Y



Calibration

/ 4-Isopropyltoluene

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

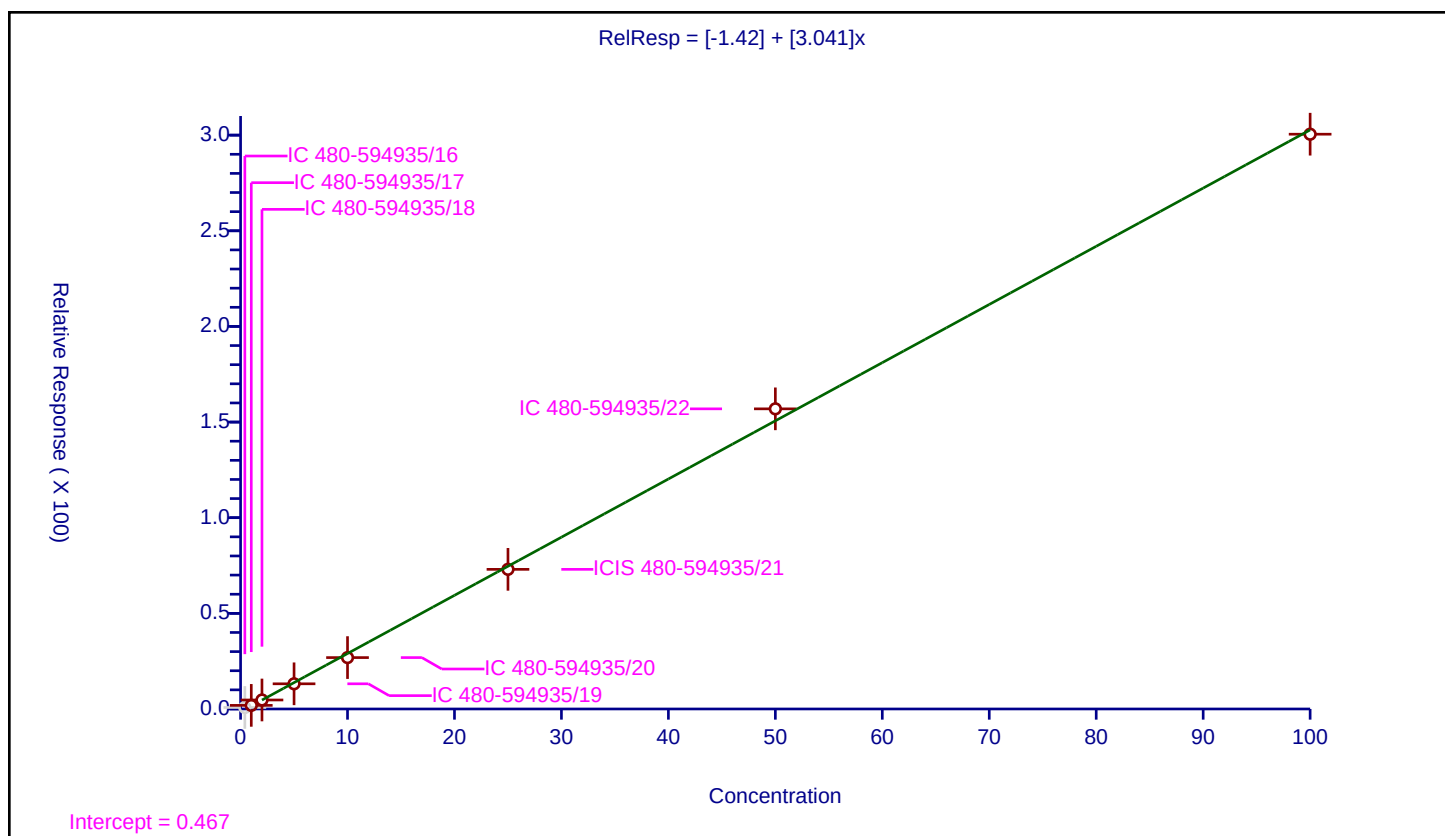
Curve Coefficients

Intercept: -1.42
 Slope: 3.041

Error Coefficients

Standard Error: 2280000
 Relative Standard Error: 5.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.789157	25.0	365358.0	1.972894	N
2	IC 480-594935/17	1.0	1.89536	25.0	352189.0	1.89536	Y
3	IC 480-594935/18	2.0	4.711365	25.0	373395.0	2.355682	Y
4	IC 480-594935/19	5.0	13.166528	25.0	380404.0	2.633306	Y
5	IC 480-594935/20	10.0	26.871768	25.0	385638.0	2.687177	Y
6	ICIS 480-594935/21	25.0	73.005067	25.0	372807.0	2.920203	Y
7	IC 480-594935/22	50.0	156.910731	25.0	358826.0	3.138215	Y
8	IC 480-594935/23	100.0	300.485548	25.0	368450.0	3.004855	Y



Calibration

/ 1,4-Dichlorobenzene

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

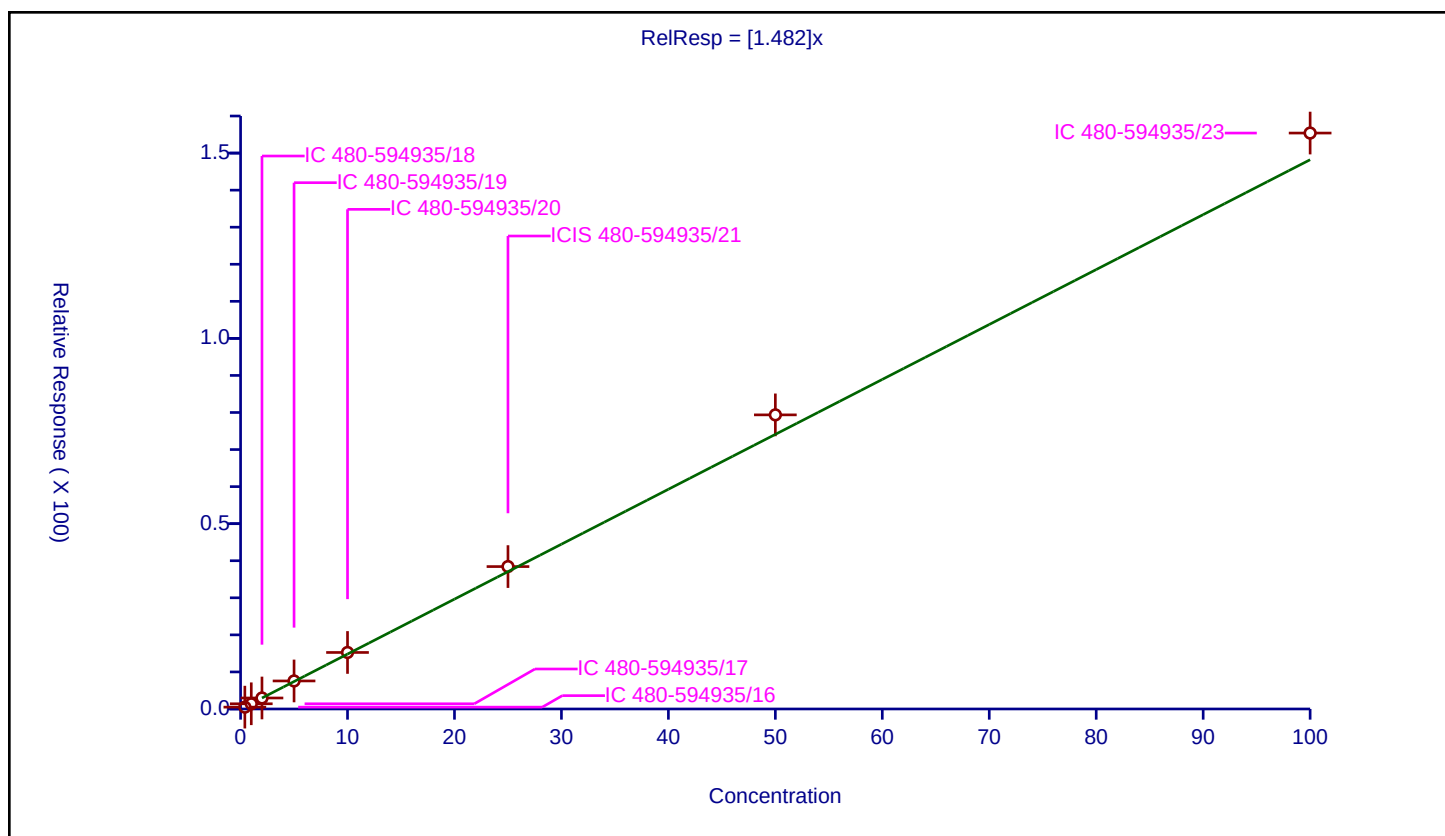
Curve Coefficients

Intercept: 0
 Slope: 1.482

Error Coefficients

Standard Error: 996000
 Relative Standard Error: 7.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.499647	25.0	365358.0	1.249117	Y
2	IC 480-594935/17	1.0	1.407412	25.0	352189.0	1.407412	Y
3	IC 480-594935/18	2.0	2.965626	25.0	373395.0	1.482813	Y
4	IC 480-594935/19	5.0	7.568467	25.0	380404.0	1.513693	Y
5	IC 480-594935/20	10.0	15.251868	25.0	385638.0	1.525187	Y
6	ICIS 480-594935/21	25.0	38.430408	25.0	372807.0	1.537216	Y
7	IC 480-594935/22	50.0	79.362142	25.0	358826.0	1.587243	Y
8	IC 480-594935/23	100.0	155.402836	25.0	368450.0	1.554028	Y



Calibration

/ n-Butylbenzene

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

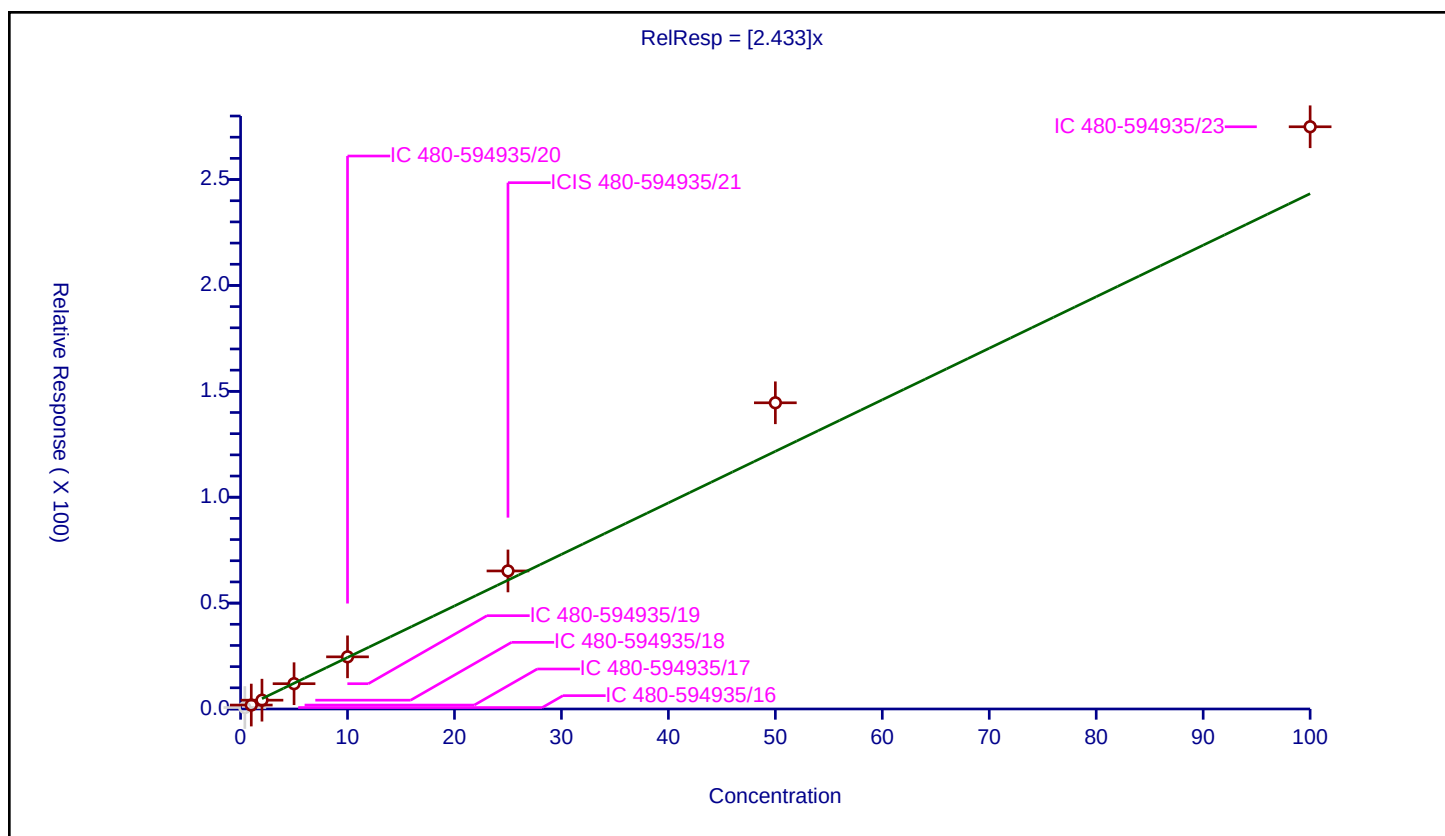
Curve Coefficients

Intercept: 0
Slope: 2.433

Error Coefficients

Standard Error: 1910000
Relative Standard Error: 15.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.683918	25.0	365358.0	1.709796	N
2	IC 480-594935/17	1.0	1.85206	25.0	352189.0	1.85206	Y
3	IC 480-594935/18	2.0	4.164625	25.0	373395.0	2.082312	Y
4	IC 480-594935/19	5.0	11.939149	25.0	380404.0	2.38783	Y
5	IC 480-594935/20	10.0	24.62776	25.0	385638.0	2.462776	Y
6	ICIS 480-594935/21	25.0	65.184063	25.0	372807.0	2.607363	Y
7	IC 480-594935/22	50.0	144.583447	25.0	358826.0	2.891669	Y
8	IC 480-594935/23	100.0	274.921088	25.0	368450.0	2.749211	Y



Calibration

/ 1,2-Dichlorobenzene

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

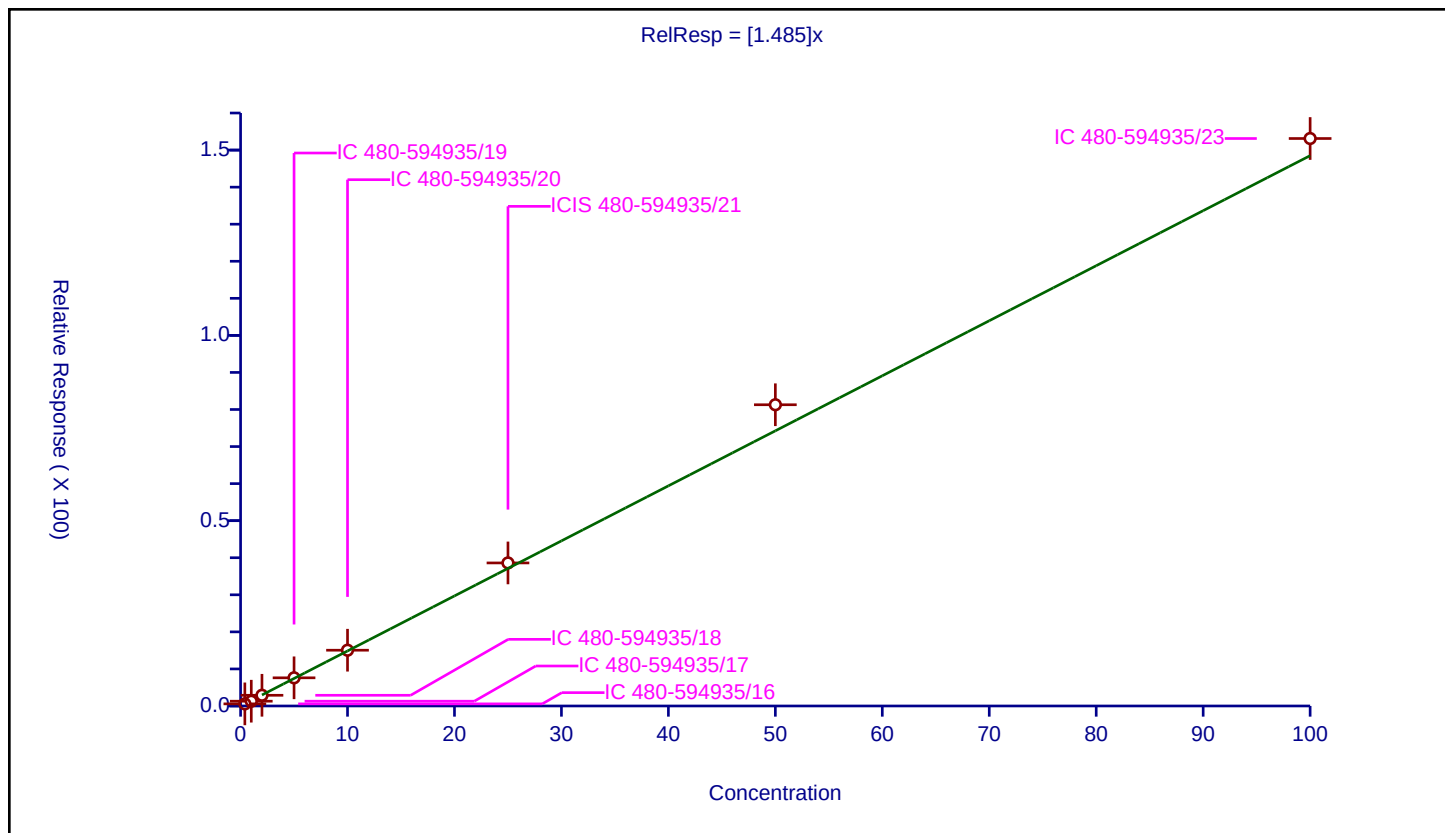
Curve Coefficients

Intercept: 0
 Slope: 1.485

Error Coefficients

Standard Error: 990000
 Relative Standard Error: 6.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.568757	25.0	365358.0	1.421893	Y
2	IC 480-594935/17	1.0	1.288442	25.0	352189.0	1.288442	Y
3	IC 480-594935/18	2.0	2.88622	25.0	373395.0	1.44311	Y
4	IC 480-594935/19	5.0	7.601261	25.0	380404.0	1.520252	Y
5	IC 480-594935/20	10.0	15.052653	25.0	385638.0	1.505265	Y
6	ICIS 480-594935/21	25.0	38.597854	25.0	372807.0	1.543914	Y
7	IC 480-594935/22	50.0	81.285219	25.0	358826.0	1.625704	Y
8	IC 480-594935/23	100.0	153.121183	25.0	368450.0	1.531212	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

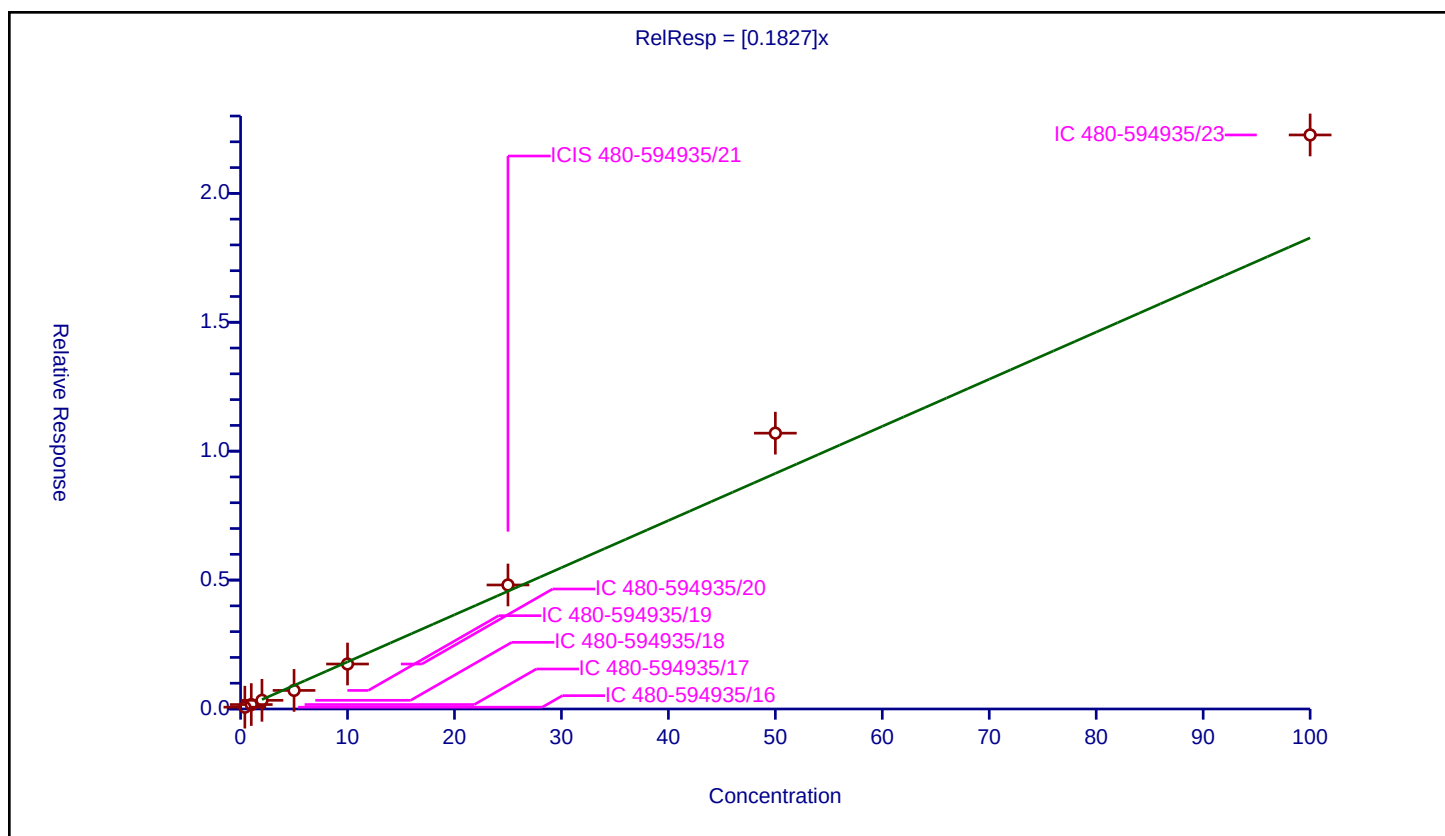
Curve Coefficients

Intercept: 0
 Slope: 0.1827

Error Coefficients

Standard Error: 140000
 Relative Standard Error: 14.1
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.069384	25.0	365358.0	0.17346	Y
2	IC 480-594935/17	1.0	0.172067	25.0	352189.0	0.172067	Y
3	IC 480-594935/18	2.0	0.337176	25.0	373395.0	0.168588	Y
4	IC 480-594935/19	5.0	0.720878	25.0	380404.0	0.144176	Y
5	IC 480-594935/20	10.0	1.744901	25.0	385638.0	0.17449	Y
6	ICIS 480-594935/21	25.0	4.810599	25.0	372807.0	0.192424	Y
7	IC 480-594935/22	50.0	10.698779	25.0	358826.0	0.213976	Y
8	IC 480-594935/23	100.0	22.265776	25.0	368450.0	0.222658	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

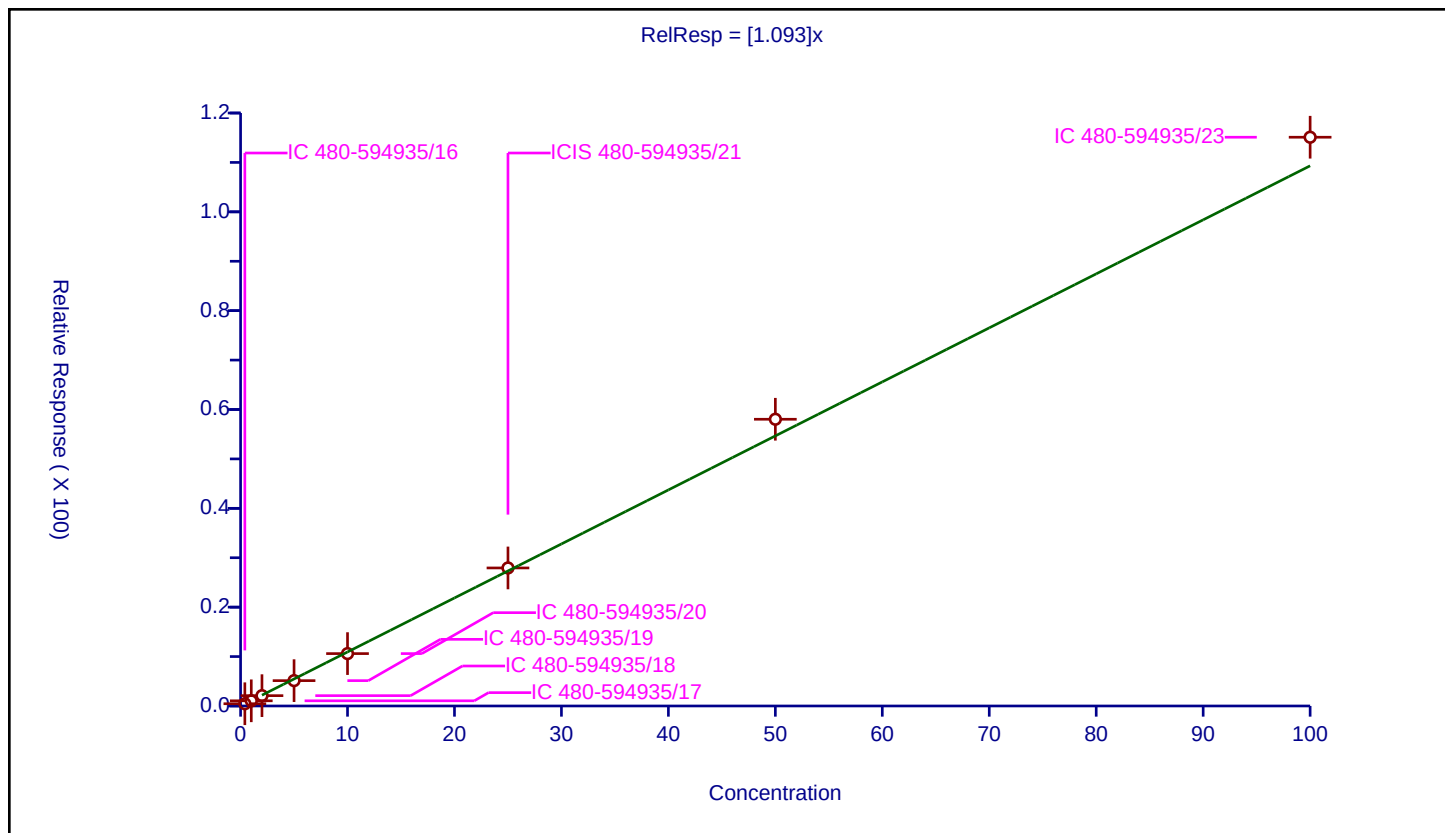
Curve Coefficients

Intercept: 0
 Slope: 1.093

Error Coefficients

Standard Error: 735000
 Relative Standard Error: 4.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.453938	25.0	365358.0	1.134846	Y
2	IC 480-594935/17	1.0	1.049508	25.0	352189.0	1.049508	Y
3	IC 480-594935/18	2.0	2.090548	25.0	373395.0	1.045274	Y
4	IC 480-594935/19	5.0	5.131124	25.0	380404.0	1.026225	Y
5	IC 480-594935/20	10.0	10.601523	25.0	385638.0	1.060152	Y
6	ICIS 480-594935/21	25.0	27.937445	25.0	372807.0	1.117498	Y
7	IC 480-594935/22	50.0	58.026941	25.0	358826.0	1.160539	Y
8	IC 480-594935/23	100.0	115.099471	25.0	368450.0	1.150995	Y



Calibration

/ Hexachlorobutadiene

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

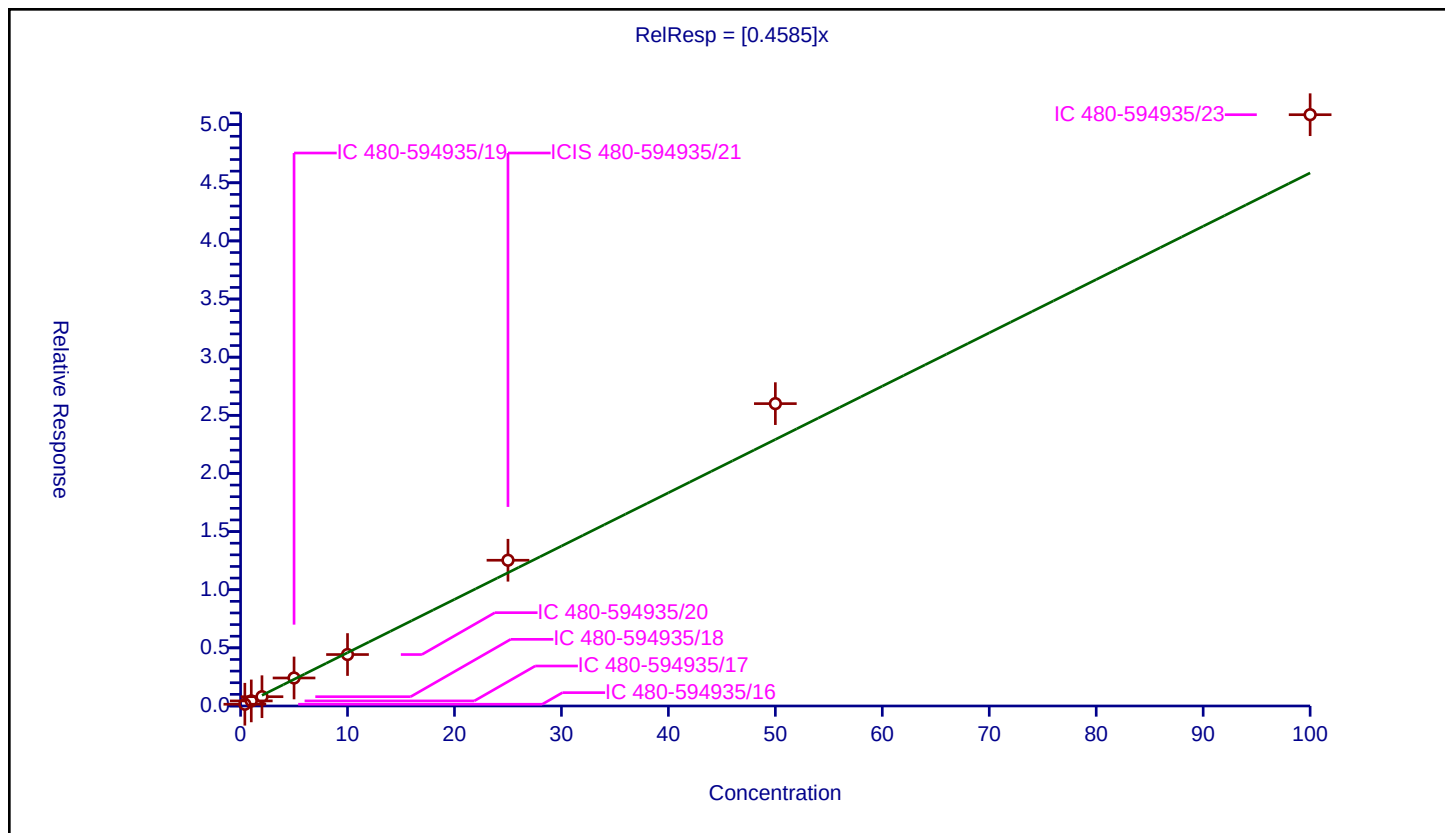
Curve Coefficients

Intercept: 0
 Slope: 0.4585

Error Coefficients

Standard Error: 326000
 Relative Standard Error: 11.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.150811	25.0	365358.0	0.377027	Y
2	IC 480-594935/17	1.0	0.436271	25.0	352189.0	0.436271	Y
3	IC 480-594935/18	2.0	0.799823	25.0	373395.0	0.399912	Y
4	IC 480-594935/19	5.0	2.409281	25.0	380404.0	0.481856	Y
5	IC 480-594935/20	10.0	4.425199	25.0	385638.0	0.44252	Y
6	ICIS 480-594935/21	25.0	12.534234	25.0	372807.0	0.501369	Y
7	IC 480-594935/22	50.0	26.006128	25.0	358826.0	0.520123	Y
8	IC 480-594935/23	100.0	50.85629	25.0	368450.0	0.508563	Y



Calibration

/ Naphthalene

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

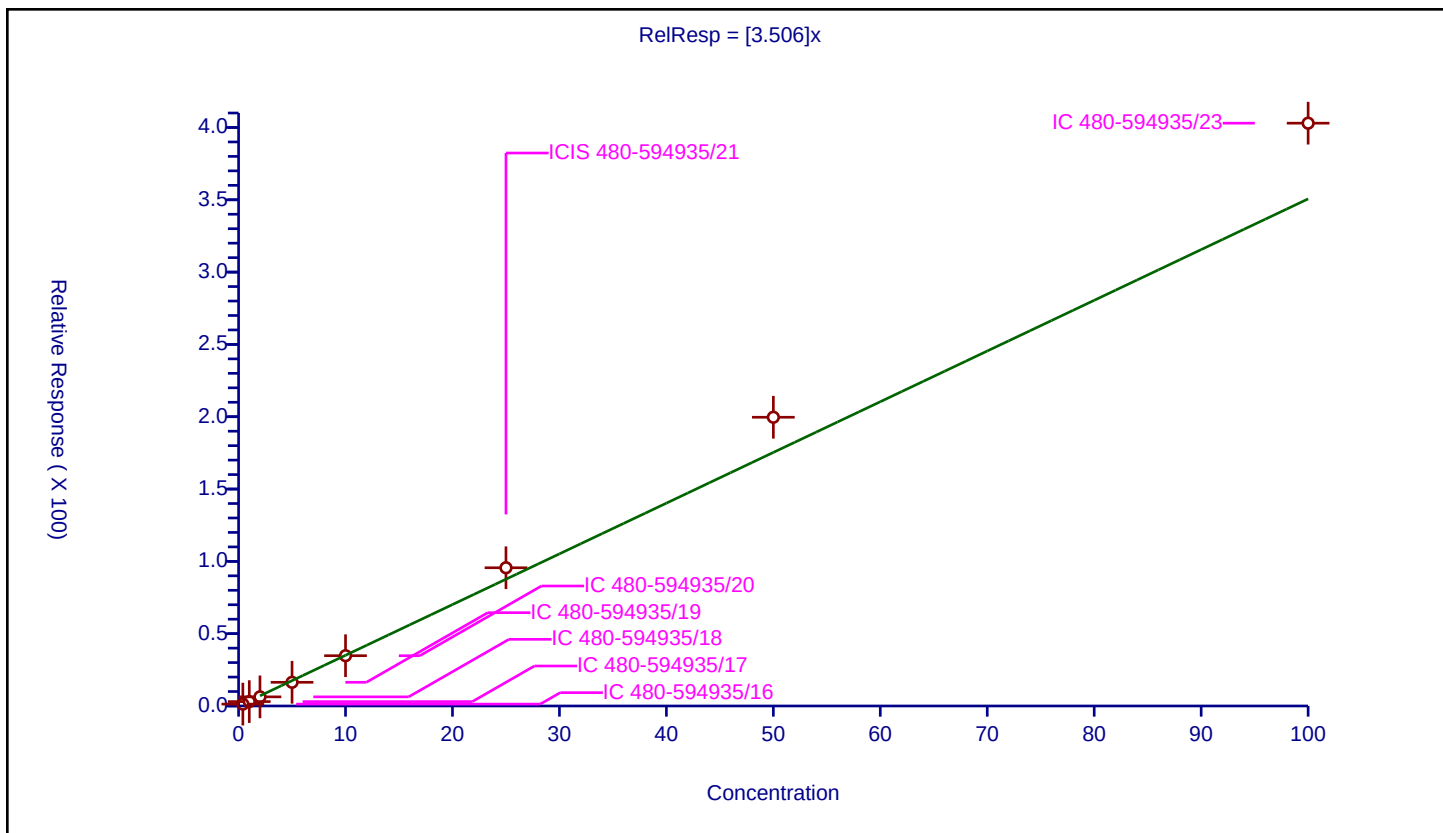
Curve Coefficients

Intercept: 0
 Slope: 3.506

Error Coefficients

Standard Error: 2560000
 Relative Standard Error: 11.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	1.304406	25.0	365358.0	3.261014	Y
2	IC 480-594935/17	1.0	3.035231	25.0	352189.0	3.035231	Y
3	IC 480-594935/18	2.0	6.314292	25.0	373395.0	3.157146	Y
4	IC 480-594935/19	5.0	16.374039	25.0	380404.0	3.274808	Y
5	IC 480-594935/20	10.0	34.761357	25.0	385638.0	3.476136	Y
6	ICIS 480-594935/21	25.0	95.574252	25.0	372807.0	3.82297	Y
7	IC 480-594935/22	50.0	199.637359	25.0	358826.0	3.992747	Y
8	IC 480-594935/23	100.0	402.974148	25.0	368450.0	4.029741	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

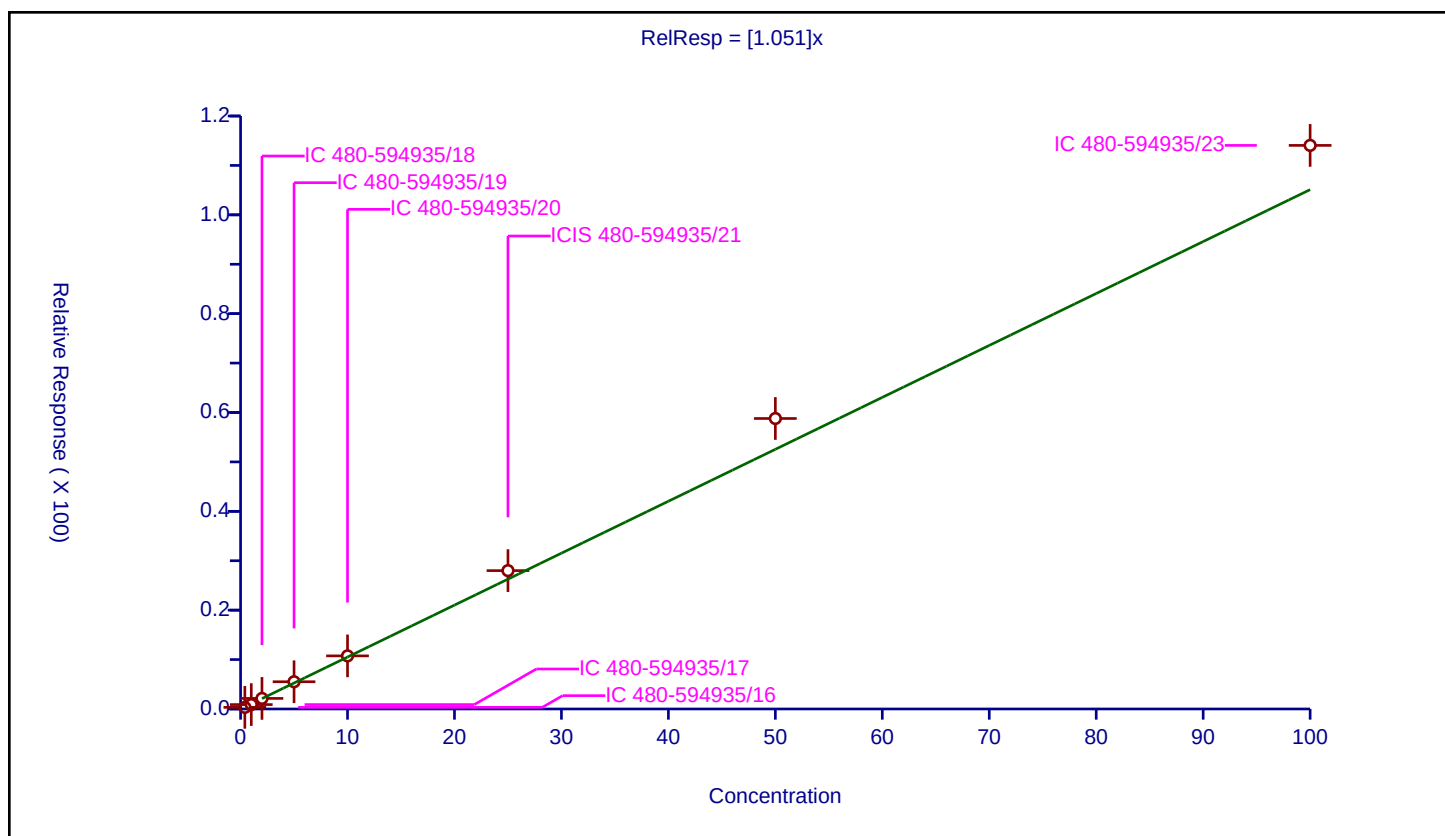
Curve Coefficients

Intercept: 0
Slope: 1.051

Error Coefficients

Standard Error: 732000
Relative Standard Error: 11.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594935/16	0.4	0.331524	25.0	365358.0	0.82881	Y
2	IC 480-594935/17	1.0	0.895684	25.0	352189.0	0.895684	Y
3	IC 480-594935/18	2.0	2.139758	25.0	373395.0	1.069879	Y
4	IC 480-594935/19	5.0	5.51348	25.0	380404.0	1.102696	Y
5	IC 480-594935/20	10.0	10.746996	25.0	385638.0	1.0747	Y
6	ICIS 480-594935/21	25.0	28.00209	25.0	372807.0	1.120084	Y
7	IC 480-594935/22	50.0	58.787198	25.0	358826.0	1.175744	Y
8	IC 480-594935/23	100.0	114.051907	25.0	368450.0	1.140519	Y



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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2021 12:40 Calibration End Date: 08/26/2021 15:22 Calibration ID: 42327

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-594200/7	N5352.D
Level 2	IC 480-594200/8	N5353.D
Level 3	IC 480-594200/9	N5354.D
Level 4	IC 480-594200/10	N5355.D
Level 5	IC 480-594200/11	N5356.D
Level 6	ICIS 480-594200/12	N5357.D
Level 7	IC 480-594200/13	N5358.D
Level 8	IC 480-594200/14	N5359.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Dichlorodifluoromethane	1.3583 1.2293	1.1978 1.2245	1.2469 1.2190	1.1838	1.0926	Ave		1.219 0			0.1000	6.0		20.0			
Chloromethane	3.3159 2.8348	3.1281 2.8091	2.9760 2.7937	2.8421	2.7014	Ave		2.925 1			0.1000	7.0		20.0			
Vinyl chloride	1.9695 1.9634	1.9631 1.8661	1.8166 1.9047	1.8599	1.6699	Ave		1.876 7			0.1000	5.4		20.0			
Butadiene	2.1312 2.4842	2.9550 2.3947	2.4619 2.4338	2.3586	2.0124	Ave		2.404 0				11.6		20.0			
Bromomethane	++++ 0.9664	1.2811 0.9152	1.0345 0.9336	1.1015	0.8847	Ave		1.016 7			0.1000	13.6		20.0			
Chloroethane	1.4319 1.1971	1.4062 1.0947	1.3702 1.1304	1.2091	1.0952	Ave		1.241 9			0.1000	11.3		20.0			
Dichlorofluoromethane	2.3449 2.4034	2.7723 2.3039	2.3358 2.4107	2.2991	2.1916	Ave		2.382 7				7.2		20.0			
Trichlorofluoromethane	++++ 1.9247	1.6922 1.9119	1.9273 1.9439	1.8780	1.6152	Ave		1.841 9			0.1000	7.2		20.0			
Ethyl ether	1.5601 1.8513	1.8690 1.7452	1.6711 1.7430	1.7600	1.6912	Ave		1.736 4				5.7		20.0			
Acrolein	0.1051 0.0957	0.1214 0.0920	0.0905 0.0851	0.1000	0.0980	Ave		0.098 5				11.3		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 1.2362	0.9603 1.1537	1.0911 1.1551	1.0602	1.0720	Ave		1.104 1			0.1000	8.0		20.0			
1,1-Dichloroethene	1.1065 1.2585	1.1359 1.1548	1.2137 1.1861	1.1985	1.1504	Ave		1.175 5			0.1000	4.1		20.0			
Acetone	++++ 0.7680	0.8665 0.7970	0.9165 0.7037	0.8533	0.7962	Ave		0.814 5			0.1000	8.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2021 12:40 Calibration End Date: 08/26/2021 15:22 Calibration ID: 42327

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	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	++++ 2.1147	1.9227 2.0405	2.0529 2.0596	2.1074	1.9806	Ave		2.039 8				3.3		20.0			
Carbon disulfide	3.1955 3.9296	4.0418 3.7553	3.7613 3.8373	3.3650	3.2887	Ave		3.646 8			0.1000	8.7		20.0			
Allyl chloride	4.3590 4.2550	4.5190 4.0591	4.1517 4.0610	4.0481	3.8181	Ave		4.158 9				5.2		20.0			
Methyl acetate	2.8594 2.2451	2.6971 2.3546	2.2957 2.2181	2.4010	2.3173	Ave		2.423 5			0.1000	9.5		20.0			
Methylene Chloride	2.3714 1.3986	2.1471 1.2973	1.6450 1.2868	1.3851	1.3253	Lin1	0.650 2	1.292 6			0.1000	10.0			0.9990		0.9900
2-Methyl-2-propanol	++++ 0.2254	0.2768 0.2278	0.2628 0.1885	0.2479	0.2341	Ave		0.237 6				12.1		20.0			
Methyl tert-butyl ether	4.7909 4.5192	4.5395 4.3534	4.1121 4.3515	4.3413	4.1341	Ave		4.392 7			0.1000	5.1		20.0			
trans-1,2-Dichloroethene	1.1436 1.4468	1.3128 1.3672	1.3784 1.3577	1.3401	1.2488	Ave		1.324 4			0.1000	7.0		20.0			
Acrylonitrile	1.2939 1.1196	1.2086 1.1403	1.1951 1.0512	1.2100	1.0965	Ave		1.164 4				6.6		20.0			
Hexane	2.1374 3.0257	3.1038 2.9907	2.7500 2.9736	2.8857	2.6220	Ave		2.811 1				11.2		20.0			
1,1-Dichloroethane	2.3327 3.1428	2.9632 3.0506	2.9796 3.0012	2.9574	2.8624	Ave		2.911 3			0.2000	8.5		20.0			
Vinyl acetate	6.4621 5.8745	5.7161 6.2875	5.7895 6.3994	5.9648	6.0538	Ave		6.068 5				4.7		20.0			
2,2-Dichloropropane	1.0050 1.3006	1.4070 1.1152	1.3305 1.0809	1.2396	1.1472	Ave		1.203 3				11.5		20.0			
cis-1,2-Dichloroethene	1.3361 1.5546	1.5066 1.4536	1.7029 1.4805	1.5059	1.4071	Ave		1.493 4			0.1000	7.2		20.0			
2-Butanone (MEK)	1.7523 1.3050	1.5516 1.4287	1.5234 1.3481	1.4918	1.4309	Ave		1.479 0			0.1000	9.4		20.0			
Chlorobromomethane	0.8943 0.7973	0.7568 0.7789	0.8602 0.7632	0.7403	0.7879	Ave		0.797 3				6.7		20.0			
Tetrahydrofuran	++++ 0.9641	1.3495 1.0114	1.0414 0.9251	1.1249	1.0307	Ave		1.063 9				13.2		20.0			
Chloroform	2.3103 2.4364	2.6972 2.3091	2.3944 2.3491	2.3331	2.2322	Ave		2.382 7			0.2000	5.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2021 12:40 Calibration End Date: 08/26/2021 15:22 Calibration ID: 42327

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	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	1.5885 2.0579	1.9339 1.9804	1.8932 1.9969	1.9818	1.8565	Ave		1.911 1			0.1000	7.6		20.0			
Cyclohexane	3.1374 3.8618	3.4574 3.6947	3.1384 3.7559	3.3958	3.2747	Ave		3.464 5			0.1000	8.1		20.0			
Carbon tetrachloride	1.6647 1.9462	1.6542 1.8529	1.7298 1.8901	1.6657	1.7379	Ave		1.767 7			0.1000	6.4		20.0			
1,1-Dichloropropene	1.5692 1.9096	1.6212 1.9256	1.6938 1.8616	1.8129	1.6913	Ave		1.760 6				7.7		20.0			
Benzene	4.6823 5.4794	5.3001 5.4796	5.3952 5.5202	5.5138	5.2402	Ave		5.326 3			0.5000	5.2		20.0			
Isobutyl alcohol	++++ 0.1524	0.1816 0.1457	0.1641 0.1274	0.1778	0.1633	Ave		0.158 9				11.8		20.0			
1,2-Dichloroethane	2.6894 2.4197	2.5171 2.3413	2.2852 2.3884	2.3975	2.3891	Ave		2.428 5			0.1000	5.1		20.0			
n-Heptane	4.0642 3.6290	3.8787 3.6040	3.5440 3.5125	3.8870	3.4890	Ave		3.701 1				5.8		20.0			
Trichloroethene	1.0637 1.3742	1.1500 1.4256	1.2693 1.3993	1.3698	1.3244	Ave		1.297 0			0.2000	9.9		20.0			
Methylcyclohexane	++++ 2.4079	2.1019 2.3664	2.1178 2.3312	2.1548	2.1445	Ave		2.232 1			0.1000	5.9		20.0			
1,2-Dichloropropane	1.9364 1.5730	1.3128 1.6506	1.6200 1.6553	1.7335	1.5984	Ave		1.635 0			0.1000	10.6		20.0			
Dibromomethane	0.8506 0.8960	0.9175 0.8913	0.9732 0.8765	0.8838	0.8914	Ave		0.897 5			0.1000	4.0		20.0			
1,4-Dioxane	0.0041 0.0044	0.0049 0.0039	0.0055 0.0036	0.0043	0.0045	Ave		0.004 4				13.4		20.0			
Bromodichloromethane	1.5071 1.7510	1.7618 1.7721	1.6376 1.7908	1.7294	1.6899	Ave		1.704 9			0.2000	5.5		20.0			
2-Chloroethyl vinyl ether	0.9548 1.0116	0.8228 1.1476	0.9669 1.1527	1.1097	1.0732	Ave		1.029 9				11.0		20.0			
cis-1,3-Dichloropropene	1.8076 2.1381	1.9218 2.3002	2.0413 2.2800	2.1145	2.1994	Ave		2.100 4			0.2000	8.1		20.0			
4-Methyl-2-pentanone (MIBK)	0.2737 0.2597	0.2478 0.2488	0.2531 0.2471	0.2607	0.2599	Ave		0.256 4			0.1000	3.5		20.0			
Toluene	0.8536 0.9288	0.8840 0.9090	0.8865 0.9199	0.9674	0.9173	Ave		0.908 3			0.4000	3.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2021 12:40 Calibration End Date: 08/26/2021 15:22 Calibration ID: 42327

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	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	0.4990 0.5221	0.4897 0.5471	0.5539 0.5676	0.5687	0.5463	Ave		0.536 8			0.1000	5.6		20.0			
Ethyl methacrylate	0.4497 0.4736	0.4150 0.4653	0.4301 0.4805	0.4733	0.4565	Ave		0.455 5				5.0		20.0			
1,1,2-Trichloroethane	0.2498 0.2550	0.2475 0.2522	0.2892 0.2529	0.2932	0.2574	Ave		0.262 2			0.1000	6.9		20.0			
Tetrachloroethene	0.3248 0.3866	0.3316 0.3837	0.3860 0.3927	0.3750	0.3662	Ave		0.368 3			0.2000	7.1		20.0			
1,3-Dichloropropane	0.4130 0.5151	0.5115 0.5336	0.5087 0.5462	0.5705	0.5417	Ave		0.517 5				9.1		20.0			
2-Hexanone	0.5709 0.4755	0.5199 0.5009	0.4699 0.5229	0.4957	0.4873	Ave		0.505 4			0.1000	6.4		20.0			
Dibromochloromethane	0.2856 0.3681	0.2951 0.3682	0.3512 0.3757	0.3339	0.3703	Ave		0.343 5			0.1000	10.3		20.0			
1,2-Dibromoethane	0.2969 0.3339	0.3123 0.3339	0.3154 0.3360	0.3327	0.3262	Ave		0.323 4				4.3		20.0			
Chlorobenzene	0.7963 1.0310	0.9726 1.0151	0.9623 1.0338	1.0534	1.0175	Ave		0.985 3			0.5000	8.4		20.0			
Ethylbenzene	1.4469 1.6952	1.6928 1.6651	1.6975 1.7236	1.6789	1.6535	Ave		1.656 7			0.1000	5.3		20.0			
1,1,1,2-Tetrachloroethane	0.3002 0.3950	0.3765 0.3751	0.3815 0.3764	0.4051	0.3683	Ave		0.372 3				8.5		20.0			
m,p-Xylene	0.5509 0.6550	0.6165 0.6485	0.6489 0.6475	0.6742	0.6191	Ave		0.632 6			0.1000	6.0		20.0			
o-Xylene	0.4938 0.6855	0.5899 0.6400	0.5786 0.6327	0.6230	0.6302	Ave		0.609 2			0.3000	9.3		20.0			
Styrene	1.0184 1.0845	1.0168 1.0706	1.0239 1.0989	1.0178	1.0177	Ave		1.043 6			0.3000	3.3		20.0			
Bromoform	0.1954 0.2573	0.2476 0.2675	0.2153 0.2743	0.2413	0.2495	Ave		0.243 5			0.1000	10.9		20.0			
Isopropylbenzene	++++ 3.2212	2.8161 3.2531	2.8494 3.1709	3.1830	3.0674	Ave		3.080 1			0.1000	5.8		20.0			
Bromobenzene	0.8541 0.7835	0.6785 0.8068	0.7453 0.7895	0.7726	0.7669	Ave		0.774 7				6.5		20.0			
1,1,2,2-Tetrachloroethane	0.8858 0.8507	0.7738 0.8523	0.7772 0.7956	0.8380	0.8393	Ave		0.826 6			0.3000	4.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2021 12:40 Calibration End Date: 08/26/2021 15:22 Calibration ID: 42327

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	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	++++ 3.8192	3.4966 3.8192	3.2912 3.7870	3.6025	3.5190	Ave		3.619 2				5.5		20.0			
1,2,3-Trichloropropane	0.2327 0.2444	0.2404 0.2524	0.2205 0.2425	0.2597	0.2583	Ave		0.243 9				5.4		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.3996	0.4635 0.4496	0.4197 0.4418	0.4343	0.4441	Ave		0.436 1				4.8		20.0			
2-Chlorotoluene	0.5240 0.7662	0.7016 0.7574	0.7054 0.7342	0.7560	0.7276	Ave		0.709 1				11.1		20.0			
1,3,5-Trimethylbenzene	2.0461 2.6812	2.5131 2.6655	2.2971 2.5861	2.6240	2.4926	Ave		2.488 2				8.7		20.0			
4-Chlorotoluene	2.0149 2.2612	2.3209 2.3387	2.2832 2.3093	2.3275	2.2886	Ave		2.268 0				4.6		20.0			
tert-Butylbenzene	++++ 0.5800	0.4991 0.5884	0.4947 0.5860	0.6001	0.5610	Ave		0.558 5				7.8		20.0			
1,2,4-Trimethylbenzene	2.1645 2.7370	2.4275 2.7129	2.4566 2.6518	2.5723	2.6377	Ave		2.545 0				7.5		20.0			
sec-Butylbenzene	++++ 3.4039	2.9008 3.4389	2.7147 3.3104	3.3381	3.1908	Ave		3.185 4				8.6		20.0			
1,3-Dichlorobenzene	1.2296 1.5360	1.4986 1.5536	1.4550 1.5217	1.5580	1.5517	Ave		1.488 0			0.6000	7.4		20.0			
4-Isopropyltoluene	++++ 3.0758	2.5503 3.0678	2.6073 2.9848	2.9234	2.9445	Ave		2.879 1				7.4		20.0			
1,4-Dichlorobenzene	1.5245 1.5453	1.4578 1.5637	1.5427 1.5583	1.5612	1.4862	Ave		1.530 0			0.5000	2.5		20.0			
n-Butylbenzene	2.2160 2.7283	2.3207 2.6685	2.5677 2.6205	2.5627	2.5009	Ave		2.523 2				6.9		20.0			
1,2-Dichlorobenzene	1.3258 1.5374	1.5036 1.5248	1.4978 1.4709	1.5892	1.5415	Ave		1.498 9			0.4000	5.2		20.0			
1,2-Dibromo-3-Chloropropane	0.2368 0.1820	0.2712 0.1895	0.1661 0.1851	0.2078	0.1834	Ave		0.202 7			0.0500	17.2		20.0			
1,2,4-Trichlorobenzene	0.8800 1.2009	0.9890 1.1157	1.1011 1.0997	1.1421	1.1206	Ave		1.081 2			0.2000	9.3		20.0			
Hexachlorobutadiene	++++ 0.5296	0.5345 0.5146	0.4801 0.4800	0.5365	0.5194	Ave		0.513 5				4.7		20.0			
Naphthalene	2.5036 3.2377	2.7105 3.1761	2.8975 3.1552	3.1132	3.1657	Ave		2.994 9				8.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2021 12:40 Calibration End Date: 08/26/2021 15:22 Calibration ID: 42327

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
1,2,3-Trichlorobenzene	+++++ 1.1400	1.0475 1.0294	1.0042 1.0328	1.1193	1.0883	Ave		1.065 9				4.8		20.0			
Dibromofluoromethane (Surr)	1.2912 1.3224	1.3170 1.2804	1.3250 1.2904	1.2191	1.2519	Ave		1.287 2				2.9		20.0			
1,2-Dichloroethane-d4 (Surr)	1.6962 1.6292	1.6053 1.6323	1.6437 1.6885	1.6409	1.6529	Ave		1.648 6				1.8		20.0			
Toluene-d8 (Surr)	1.2329 1.2421	1.2257 1.2189	1.2621 1.2223	1.2501	1.2487	Ave		1.237 9				1.2		20.0			
4-Bromofluorobenzene (Surr)	0.3844 0.3950	0.3855 0.3660	0.3910 0.3797	0.3743	0.3840	Ave		0.382 5				2.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2021 12:40 Calibration End Date: 08/26/2021 15:22 Calibration ID: 42327

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-594200/7	N5352.D
Level 2	IC 480-594200/8	N5353.D
Level 3	IC 480-594200/9	N5354.D
Level 4	IC 480-594200/10	N5355.D
Level 5	IC 480-594200/11	N5356.D
Level 6	ICIS 480-594200/12	N5357.D
Level 7	IC 480-594200/13	N5358.D
Level 8	IC 480-594200/14	N5359.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	4353 189923	7350 401921	15387 776952	38562	71759	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	10627 437983	19195 922032	36723 1780639	92582	177416	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	6312 303351	12046 612511	22417 1214022	60587	109671	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	6830 383810	18133 786022	30379 1551267	76831	132165	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	++++ 149308	7861 300399	12766 595040	35881	58104	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	4589 184954	8629 359325	16908 720493	39387	71930	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	7515 371329	17012 756220	28824 1536539	74895	143936	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	++++ 297364	10384 627542	23782 1239003	61177	106078	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	5000 286026	11469 572810	20621 1110918	57333	111068	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	1684 73925	3726 151013	5581 271121	16280	32189	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 190988	5893 378680	13464 736254	34536	70401	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	3546 194444	6970 379042	14977 755999	39040	75556	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	++++	26587	56549	138978	261468	++++	5.00	10.0	25.0	50.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2021 12:40 Calibration End Date: 08/26/2021 15:22 Calibration ID: 42327

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
			593321	1307978	2242618			125	250	500		
Iodomethane	FB	Ave	++++ 326727	11798 669745	25332 1312742	68651	130079	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	10241 607137	24802 1232608	46414 2445788	109615	215985	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Allyl chloride	FB	Ave	13970 657407	27730 1332323	51231 2588347	131867	250755	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	18328 693746	33100 1545670	56658 2827528	156425	304375	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	7600 216094	13175 425814	20299 820162	45121	87039	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	++++ 348181	16986 747849	32433 1201669	80760	153761	++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	15354 698230	27856 1428897	50743 2773495	141420	271509	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3665 223531	8056 448750	17009 865364	43653	82013	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	41468 1729743	74161 3742641	147477 6700079	394177	720125	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	6850 467479	19046 981623	33935 1895288	94002	172199	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	7476 485568	18183 1001298	36768 1912900	96340	187991	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	41420 1815230	70152 4127447	142884 8157611	388609	795175	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	3221 200948	8634 366048	16418 688942	40381	75343	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4282 240193	9245 477112	21013 943606	49056	92415	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	28080 1008116	47607 2344699	93994 4296102	242976	469888	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2866 123178	4644 255658	10615 486426	24114	51744	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	++++ 297926	16562 663968	25701 1179257	73287	135379	++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	7404	16551	29547	76002	146604	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 TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2021 12:40 Calibration End Date: 08/26/2021 15:22 Calibration ID: 42327

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
			376430	757914	1497220			25.0	50.0	100		
1,1,1-Trichloroethane	FB	Ave	5091 317946	11867 650013	23362 1272782	64559	121929	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	10055 596652	21216 1212699	38727 2393926	110619	215070	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	5335 300693	10151 608160	21346 1204681	54261	114137	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	5029 295034	9948 632035	20901 1186507	59056	111080	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	15006 846582	32523 1798545	66576 3518419	179615	344150	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	++++ 588635	27863 1195871	50639 2030443	144823	268095	++++ 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	8619 373855	15446 768480	28199 1522271	78101	156903	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	13025 560691	23801 1182925	43733 2238775	126622	229142	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	3409 212316	7057 467907	15663 891881	44622	86982	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	++++ 372018	12898 776715	26133 1485830	70194	140839	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	6206 243028	8056 541758	19991 1055033	56471	104973	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	2726 138431	5630 292543	12009 558645	28789	58546	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	1008 48918	2148 99245	4689 172017	10196	21858	10.0 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	4830 270526	10811 581638	20208 1141374	56337	110983	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3060 156289	5049 376669	11931 734730	36149	70484	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	5793 330334	11793 755003	25189 1453198	68881	144447	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	16658	27346	54110	155629	312695	2.50	5.00	10.0	25.0	50.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2021 12:40 Calibration End Date: 08/26/2021 15:22 Calibration ID: 42327

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
			728624	1567103	2987546			125	250	500		
Toluene	CBNZ d5	Ave	10389	19510	37908	115477	220698	0.500	1.00	2.00	5.00	10.0
			521265	1144968	2223914			25.0	50.0	100		
trans-1,3-Dichloropropene	CBNZ d5	Ave	6073	10809	23684	67890	131443	0.500	1.00	2.00	5.00	10.0
			293018	689080	1372128			25.0	50.0	100		
Ethyl methacrylate	CBNZ d5	Ave	5474	9159	18393	56505	109821	0.500	1.00	2.00	5.00	10.0
			265797	586067	1161702			25.0	50.0	100		
1,1,2-Trichloroethane	CBNZ d5	Ave	3040	5462	12368	35000	61941	0.500	1.00	2.00	5.00	10.0
			143114	317702	611438			25.0	50.0	100		
Tetrachloroethene	CBNZ d5	Ave	3953	7318	16508	44768	88111	0.500	1.00	2.00	5.00	10.0
			216939	483301	949487			25.0	50.0	100		
1,3-Dichloropropane	CBNZ d5	Ave	5027	11290	21755	68099	130332	0.500	1.00	2.00	5.00	10.0
			289055	672139	1320457			25.0	50.0	100		
2-Hexanone	CBNZ d5	Ave	34742	57368	100463	295861	586196	2.50	5.00	10.0	25.0	50.0
			1334166	3154538	6321086			125	250	500		
Dibromochloromethane	CBNZ d5	Ave	3476	6512	15016	39857	89087	0.500	1.00	2.00	5.00	10.0
			206604	463795	908273			25.0	50.0	100		
1,2-Dibromoethane	CBNZ d5	Ave	3614	6892	13489	39714	78471	0.500	1.00	2.00	5.00	10.0
			187397	420605	812297			25.0	50.0	100		
Chlorobenzene	CBNZ d5	Ave	9692	21467	41150	125750	244811	0.500	1.00	2.00	5.00	10.0
			578617	1278547	2499268			25.0	50.0	100		
Ethylbenzene	CBNZ d5	Ave	17610	37362	72590	200412	397831	0.500	1.00	2.00	5.00	10.0
			951352	2097205	4167075			25.0	50.0	100		
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	3654	8309	16315	48361	88620	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 TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2021 12:40 Calibration End Date: 08/26/2021 15:22 Calibration ID: 42327

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
			221677	472451	910067			25.0	50.0	100		
m,p-Xylene	CBNZ d5	Ave	6705	13607	27747	80486	148948	0.500	1.00	2.00	5.00	10.0
			367573	816754	1565441			25.0	50.0	100		
o-Xylene	CBNZ d5	Ave	6010	13020	24743	74369	151625	0.500	1.00	2.00	5.00	10.0
			384722	806056	1529706			25.0	50.0	100		
Styrene	CBNZ d5	Ave	12395	22441	43784	121504	244846	0.500	1.00	2.00	5.00	10.0
			608627	1348483	2656802			25.0	50.0	100		
Bromoform	CBNZ d5	Ave	2378	5465	9205	28805	60026	0.500	1.00	2.00	5.00	10.0
			144417	336864	663263			25.0	50.0	100		
Isopropylbenzene	DCBd 4	Ave	+++++	35099	69304	205960	392266	+++++	1.00	2.00	5.00	10.0
			988351	2153462	4171174			25.0	50.0	100		
Bromobenzene	DCBd 4	Ave	5653	8456	18128	49996	98074	0.500	1.00	2.00	5.00	10.0
			240390	534109	1038554			25.0	50.0	100		
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	5863	9645	18904	54222	107331	0.500	1.00	2.00	5.00	10.0
			261032	564171	1046583			25.0	50.0	100		
N-Propylbenzene	DCBd 4	Ave	+++++	43581	80049	233107	450015	+++++	1.00	2.00	5.00	10.0
			1171837	2528244	4981529			25.0	50.0	100		
1,2,3-Trichloropropane	DCBd 4	Ave	1540	2996	5364	16802	33031	0.500	1.00	2.00	5.00	10.0
			74978	167096	319019			25.0	50.0	100		
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++	5777	10208	28105	56790	+++++	1.00	2.00	5.00	10.0
			122599	297618	581184			25.0	50.0	100		
2-Chlorotoluene	DCBd 4	Ave	3468	8745	17156	48919	93053	0.500	1.00	2.00	5.00	10.0
			235106	501383	965806			25.0	50.0	100		
1,3,5-Trimethylbenzene	DCBd 4	Ave	13542	31323	55870	169789	318764	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 TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2021 12:40 Calibration End Date: 08/26/2021 15:22 Calibration ID: 42327

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
			822677	1764506	3401921			25.0	50.0	100		
4-Chlorotoluene	DCBd 4	Ave	13336	28927	55532	150603	292672	0.500	1.00	2.00	5.00	10.0
			693811	1548131	3037816			25.0	50.0	100		
tert-Butylbenzene	DCBd 4	Ave	+++++	6220	12033	38832	71737	+++++	1.00	2.00	5.00	10.0
			177956	389497	770913			25.0	50.0	100		
1,2,4-Trimethylbenzene	DCBd 4	Ave	14326	30255	59751	166448	337312	0.500	1.00	2.00	5.00	10.0
			839781	1795881	3488235			25.0	50.0	100		
sec-Butylbenzene	DCBd 4	Ave	+++++	36155	66028	215998	408047	+++++	1.00	2.00	5.00	10.0
			1044406	2276474	4354670			25.0	50.0	100		
1,3-Dichlorobenzene	DCBd 4	Ave	8138	18678	35389	100813	198434	0.500	1.00	2.00	5.00	10.0
			471288	1028460	2001670			25.0	50.0	100		
4-Isopropyltoluene	DCBd 4	Ave	+++++	31786	63416	189163	376557	+++++	1.00	2.00	5.00	10.0
			943731	2030841	3926351			25.0	50.0	100		
1,4-Dichlorobenzene	DCBd 4	Ave	10090	18170	37522	101022	190056	0.500	1.00	2.00	5.00	10.0
			474131	1035121	2049855			25.0	50.0	100		
n-Butylbenzene	DCBd 4	Ave	14667	28924	62452	165823	319823	0.500	1.00	2.00	5.00	10.0
			837108	1766491	3447127			25.0	50.0	100		
1,2-Dichlorobenzene	DCBd 4	Ave	8775	18741	36430	102831	197133	0.500	1.00	2.00	5.00	10.0
			471703	1009393	1934831			25.0	50.0	100		
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1567	3380	4040	13446	23451	0.500	1.00	2.00	5.00	10.0
			55844	125444	243512			25.0	50.0	100		
1,2,4-Trichlorobenzene	DCBd 4	Ave	5824	12326	26782	73904	143310	0.500	1.00	2.00	5.00	10.0
			368481	738583	1446659			25.0	50.0	100		
Hexachlorobutadiene	DCBd 4	Ave	+++++	6662	11676	34713	66421	+++++	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 TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2021 12:40 Calibration End Date: 08/26/2021 15:22 Calibration ID: 42327

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
			162505	340668	631404			25.0	50.0	100		
Naphthalene	DCBd 4	Ave	16570	33783	70475	201446	404837	0.500	1.00	2.00	5.00	10.0
			993427	2102512	4150491			25.0	50.0	100		
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++	13056	24425	72430	139173	+++++	1.00	2.00	5.00	10.0
			349789	681456	1358599			25.0	50.0	100		
Dibromofluoromethane (Surr)	FB	Ave	206899	202036	204371	198563	205548	25.0	25.0	25.0	25.0	25.0
			204309	210128	205612			25.0	25.0	25.0		
1,2-Dichloroethane-d4 (Surr)	FB	Ave	271802	246264	253544	267269	271387	25.0	25.0	25.0	25.0	25.0
			251708	267885	269056			25.0	25.0	25.0		
Toluene-d8 (Surr)	CBNZ d5	Ave	750312	676326	674631	746155	751113	25.0	25.0	25.0	25.0	25.0
			697096	767614	738769			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	233920	212699	208973	223421	230975	25.0	25.0	25.0	25.0	25.0
			221657	230473	229508			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 TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2021 12:40 Calibration End Date: 08/26/2021 15:22 Calibration ID: 42327

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-594200/7	N5352.D
Level 2	IC 480-594200/8	N5353.D
Level 3	IC 480-594200/9	N5354.D
Level 4	IC 480-594200/10	N5355.D
Level 5	IC 480-594200/11	N5356.D
Level 6	ICIS 480-594200/12	N5357.D
Level 7	IC 480-594200/13	N5358.D
Level 8	IC 480-594200/14	N5359.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	11.4						30					
Chloromethane	13.4						30					
Vinyl chloride	4.9						30					
Butadiene	-11.3						30					
Bromomethane	++++	26.0						30				
Chloroethane	15.3						30					
Dichlorofluoromethane	-1.6						30					
Trichlorofluoromethane	++++	-8.1						30				
Ethyl ether	-10.1						30					
Acrolein	6.7						30					
1,1,2-Trichloro-1,2,2-trifluoroethane	++++	-13.0						30				
1,1-Dichloroethene	-5.9						30					
Acetone	++++	6.4						30				
Iodomethane	++++	-5.7						30				
Carbon disulfide	-12.4						30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

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Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

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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	4.8						30					
Methyl acetate	18.0						30					
Methylene Chloride	-17.1						30					
2-Methyl-2-propanol	++++	16.5						30				
Methyl tert-butyl ether	9.1						30					
trans-1,2-Dichloroethene	-13.7						30					
Acrylonitrile	11.1						30					
Hexane	-24.0						30					
1,1-Dichloroethane	-19.9						30					
Vinyl acetate	6.5						30					
2,2-Dichloropropane	-16.5						30					
cis-1,2-Dichloroethene	-10.5						30					
2-Butanone (MEK)	18.5						30					
Chlorobromomethane	12.2						30					
Tetrahydrofuran	++++	26.8						30				
Chloroform	-3.0						30					
1,1,1-Trichloroethane	-16.9						30					
Cyclohexane	-9.4						30					
Carbon tetrachloride	-5.8						30					
1,1-Dichloropropene	-10.9						30					
Benzene	-12.1						30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

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Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2021 12:40 Calibration End Date: 08/26/2021 15:22 Calibration ID: 42327

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	+++++	14.3						30				
1,2-Dichloroethane	10.7						30					
n-Heptane	9.8						30					
Trichloroethene	-18.0						30					
Methylcyclohexane	+++++	-5.8						30				
1,2-Dichloropropane	18.4						30					
Dibromomethane	-5.2						30					
1,4-Dioxane	-5.8						30					
Bromodichloromethane	-11.6						30					
2-Chloroethyl vinyl ether	-7.3						30					
cis-1,3-Dichloropropene	-13.9						30					
4-Methyl-2-pentanone (MIBK)	6.8						30					
Toluene	-6.0						30					
trans-1,3-Dichloropropene	-7.0						30					
Ethyl methacrylate	-1.3						30					
1,1,2-Trichloroethane	-4.7						30					
Tetrachloroethene	-11.8						30					
1,3-Dichloropropane	-20.2						30					
2-Hexanone	13.0						30					
Dibromochloromethane	-16.9						30					
1,2-Dibromoethane	-8.2						30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2021 12:40 Calibration End Date: 08/26/2021 15:22 Calibration ID: 42327

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	-19.2						30					
Ethylbenzene	-12.7						30					
1,1,1,2-Tetrachloroethane	-19.4						30					
m,p-Xylene	-12.9						30					
o-Xylene	-18.9						30					
Styrene	-2.4						30					
Bromoform	-19.8						30					
Isopropylbenzene	++++	-8.6						30				
Bromobenzene	10.3						30					
1,1,2,2-Tetrachloroethane	7.2						30					
N-Propylbenzene	++++	-3.4						30				
1,2,3-Trichloropropane	-4.6						30					
trans-1,4-Dichloro-2-butene	++++	6.3						30				
2-Chlorotoluene	-26.1						30					
1,3,5-Trimethylbenzene	-17.8						30					
4-Chlorotoluene	-11.2						30					
tert-Butylbenzene	++++	-10.6						30				
1,2,4-Trimethylbenzene	-15.0						30					
sec-Butylbenzene	++++	-8.9						30				
1,3-Dichlorobenzene	-17.4						30					
4-Isopropyltoluene	++++	-11.4						30				

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1 Analy Batch No.: 594200

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2021 12:40 Calibration End Date: 08/26/2021 15:22 Calibration ID: 42327

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	-0.4						30					
n-Butylbenzene	-12.2						30					
1,2-Dichlorobenzene	-11.5						30					
1,2-Dibromo-3-Chloropropane	16.8						30					
1,2,4-Trichlorobenzene	-18.6						30					
Hexachlorobutadiene	+++++	4.1						30				
Naphthalene	-16.4						30					
1,2,3-Trichlorobenzene	+++++	-1.7						30				
Dibromofluoromethane (Surr)	0.3						30					
1,2-Dichloroethane-d4 (Surr)	2.9						30					
Toluene-d8 (Surr)	-0.4						30					
4-Bromofluorobenzene (Surr)	0.5						30					

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
 Lims ID: IC 0.5
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 26-Aug-2021 12:40:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.5
 Misc. Info.: 480-0100628-007
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 27-Aug-2021 10:04:34 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: HillL

Date: 26-Aug-2021 13:38:11

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	5.412	5.412	0.000	98	160242	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.399	8.405	-0.006	90	608561	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	96	330927	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.828	0.006	93	206899	25.0	25.1	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	98	271802	25.0	25.7	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.915	0.006	96	750312	25.0	24.9	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	93	233920	25.0	25.1	
11 Dichlorodifluoromethane	85	1.276	1.275	0.001	43	4353	0.5000	0.5571	Ma
13 Chloromethane	50	1.446	1.446	0.000	95	10627	0.5000	0.5668	
14 Vinyl chloride	62	1.543	1.543	0.000	48	6312	0.5000	0.5247	
144 Butadiene	54	1.549	1.549	0.000	89	6830	0.5000	0.4433	
15 Bromomethane	94	1.847	1.853	-0.006	12	4118	0.5000	0.6319	M
16 Chloroethane	64	1.926	1.926	0.000	54	4589	0.5000	0.5765	M
17 Dichlorofluoromethane	67	2.158	2.152	0.006	47	7515	0.5000	0.4921	
18 Trichlorofluoromethane	101	2.188	2.164	0.024	0	4027	0.5000	0.3411	M
19 Ethyl ether	59	2.431	2.437	-0.006	50	5000	0.5000	0.4493	
20 Acrolein	56	2.620	2.614	0.006	47	1684	2.50	2.67	M
21 112TCTFE	101	2.638	2.644	-0.006	0	2596	0.5000	0.3668	M
22 1,1-Dichloroethene	96	2.681	2.656	0.025	0	3546	0.5000	0.4706	M
23 Acetone	43	2.778	2.772	0.006	96	20091	2.50	3.85	
24 Iodomethane	142	2.839	2.827	0.012	53	3897	0.5000	0.2981	
25 Carbon disulfide	76	2.857	2.857	0.000	56	10241	0.5000	0.4381	
27 3-Chloro-1-propene	41	3.015	3.015	0.000	43	13970	0.5000	0.5241	
28 Methyl acetate	43	3.064	3.070	-0.006	0	18328	1.00	1.18	M
30 Methylene Chloride	84	3.186	3.167	0.019	86	7600	0.5000	0.4143	
31 2-Methyl-2-propanol	59	3.350	3.344	0.006	91	9981	5.00	6.55	
32 Methyl tert-butyl ether	73	3.380	3.374	0.006	97	15354	0.5000	0.5453	
33 trans-1,2-Dichloroethene	96	3.393	3.393	0.000	77	3665	0.5000	0.4317	
34 Acrylonitrile	53	3.453	3.447	0.006	100	41468	5.00	5.56	
35 Hexane	57	3.587	3.587	0.000	83	6850	0.5000	0.3802	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	3.812	3.806	0.006	3	7476	0.5000	0.4006	
39 Vinyl acetate	43	3.867	3.867	0.000	97	41420	1.00	1.06	
42 2,2-Dichloropropane	77	4.317	4.323	-0.006	0	3221	0.5000	0.4176	M
43 cis-1,2-Dichloroethene	96	4.366	4.360	0.006	86	4282	0.5000	0.4473	
44 2-Butanone (MEK)	43	4.409	4.402	0.007	96	28080	2.50	2.96	
47 Chlorobromomethane	128	4.603	4.597	0.006	71	2866	0.5000	0.5608	
49 Tetrahydrofuran	42	4.628	4.621	0.007	97	11237	1.00	1.65	
50 Chloroform	83	4.682	4.676	0.006	88	7404	0.5000	0.4848	
51 1,1,1-Trichloroethane	97	4.798	4.786	0.012	69	5091	0.5000	0.4156	
52 Cyclohexane	56	4.792	4.792	0.000	81	10055	0.5000	0.4528	M
53 Carbon tetrachloride	117	4.920	4.920	0.000	93	5335	0.5000	0.4709	
54 1,1-Dichloropropene	75	4.932	4.938	-0.006	88	5029	0.5000	0.4456	
55 Benzene	78	5.139	5.139	0.000	40	15006	0.5000	0.4395	
56 Isobutyl alcohol	43	5.175	5.169	0.006	88	18133	12.5	17.8	
57 1,2-Dichloroethane	62	5.218	5.212	0.006	85	8619	0.5000	0.5537	
59 n-Heptane	43	5.321	5.321	0.000	90	13025	0.5000	0.5491	
60 Trichloroethene	95	5.747	5.747	0.000	84	3409	0.5000	0.4101	
62 Methylcyclohexane	83	5.881	5.869	0.012	71	4239	0.5000	0.2963	M
63 1,2-Dichloropropane	63	5.984	5.990	-0.006	87	6206	0.5000	0.5922	
64 Dibromomethane	93	6.118	6.130	-0.012	53	2726	0.5000	0.4739	
66 1,4-Dioxane	88	6.142	6.136	0.006	0	1008	10.0	9.42	M
67 Dichlorobromomethane	83	6.282	6.282	0.000	82	4830	0.5000	0.4420	
69 2-Chloroethyl vinyl ether	63	6.556	6.562	-0.006	75	3060	0.5000	0.4635	
71 cis-1,3-Dichloropropene	75	6.702	6.696	0.006	84	5793	0.5000	0.4303	
72 4-Methyl-2-pentanone (MIBK)	58	6.848	6.842	0.006	95	16658	2.50	2.67	
73 Toluene	92	6.988	6.982	0.006	90	10389	0.5000	0.4699	
75 trans-1,3-Dichloropropene	75	7.268	7.268	0.000	93	6073	0.5000	0.4648	
77 Ethyl methacrylate	69	7.310	7.316	-0.006	83	5474	0.5000	0.4937	
78 1,1,2-Trichloroethane	83	7.456	7.456	0.000	77	3040	0.5000	0.4764	
79 Tetrachloroethene	166	7.511	7.517	-0.006	79	3953	0.5000	0.4409	
80 1,3-Dichloropropane	76	7.615	7.621	-0.006	81	5027	0.5000	0.3990	
82 2-Hexanone	43	7.682	7.688	-0.006	96	34742	2.50	2.82	
83 Chlorodibromomethane	129	7.858	7.852	0.006	0	3476	0.5000	0.4157	
84 Ethylene Dibromide	107	7.955	7.955	0.000	46	3614	0.5000	0.4591	
85 Chlorobenzene	112	8.430	8.430	0.000	0	9692	0.5000	0.4041	M
88 Ethylbenzene	91	8.527	8.521	0.006	95	17610	0.5000	0.4367	
89 1,1,1,2-Tetrachloroethane	131	8.533	8.533	0.000	49	3654	0.5000	0.4032	
90 m-Xylene & p-Xylene	106	8.649	8.649	0.000	0	6705	0.5000	0.4354	M
91 o-Xylene	106	9.069	9.075	-0.006	94	6010	0.5000	0.4053	
92 Styrene	104	9.099	9.105	-0.006	94	12395	0.5000	0.4879	
93 Bromoform	173	9.348	9.354	-0.006	5	2378	0.5000	0.4012	
95 Isopropylbenzene	105	9.464	9.458	0.006	95	14641	0.5000	0.3591	
97 Bromobenzene	156	9.799	9.805	-0.006	76	5653	0.5000	0.5513	
98 1,1,2,2-Tetrachloroethane	83	9.866	9.866	0.000	90	5863	0.5000	0.5358	
100 N-Propylbenzene	91	9.884	9.884	0.000	96	18113	0.5000	0.3781	
99 1,2,3-Trichloropropane	110	9.884	9.896	-0.012	56	1540	0.5000	0.4771	
101 trans-1,4-Dichloro-2-butene	53	9.914	9.914	0.000	42	3924	0.5000	0.6798	
102 2-Chlorotoluene	126	9.993	9.987	0.006	94	3468	0.5000	0.3695	
104 1,3,5-Trimethylbenzene	105	10.060	10.066	-0.006	94	13542	0.5000	0.4112	
105 4-Chlorotoluene	91	10.097	10.103	-0.006	93	13336	0.5000	0.4442	
106 tert-Butylbenzene	134	10.389	10.383	0.006	90	2498	0.5000	0.3379	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	95	14326	0.5000	0.4252	

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	10.596	10.596	0.000	91	15335	0.5000	0.3637	
110 1,3-Dichlorobenzene	146	10.736	10.729	0.007	74	8138	0.5000	0.4132	
111 4-Isopropyltoluene	119	10.736	10.735	0.001	96	13298	0.5000	0.3489	
113 1,4-Dichlorobenzene	146	10.821	10.821	0.000	89	10090	0.5000	0.4982	
115 n-Butylbenzene	91	11.125	11.119	0.006	99	14667	0.5000	0.4391	
116 1,2-Dichlorobenzene	146	11.167	11.167	0.000	91	8775	0.5000	0.4423	
117 1,2-Dibromo-3-Chloropropane	75	11.910	11.904	0.006	1	1567	0.5000	0.5839	M
119 1,2,4-Trichlorobenzene	180	12.573	12.579	-0.006	88	5824	0.5000	0.4070	
120 Hexachlorobutadiene	225	12.688	12.688	0.000	0	1910	0.5000	0.2810	M
121 Naphthalene	128	12.798	12.792	0.006	96	16570	0.5000	0.4180	
122 1,2,3-Trichlorobenzene	180	12.999	12.992	0.007	86	5639	0.5000	0.3996	
S 123 1,3-Dichloropropene, Total	1				0			0.8951	
S 124 1,2-Dichloroethene, Total	1				0			0.8791	
S 126 Xylenes, Total	1				0			0.8407	
S 125 Total BTEX	1				0			2.19	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00212

Amount Added: 0.50

Units: uL

GAS CORP mix_00469

Amount Added: 0.50

Units: uL

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D

Injection Date: 26-Aug-2021 12:40:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 0.5

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

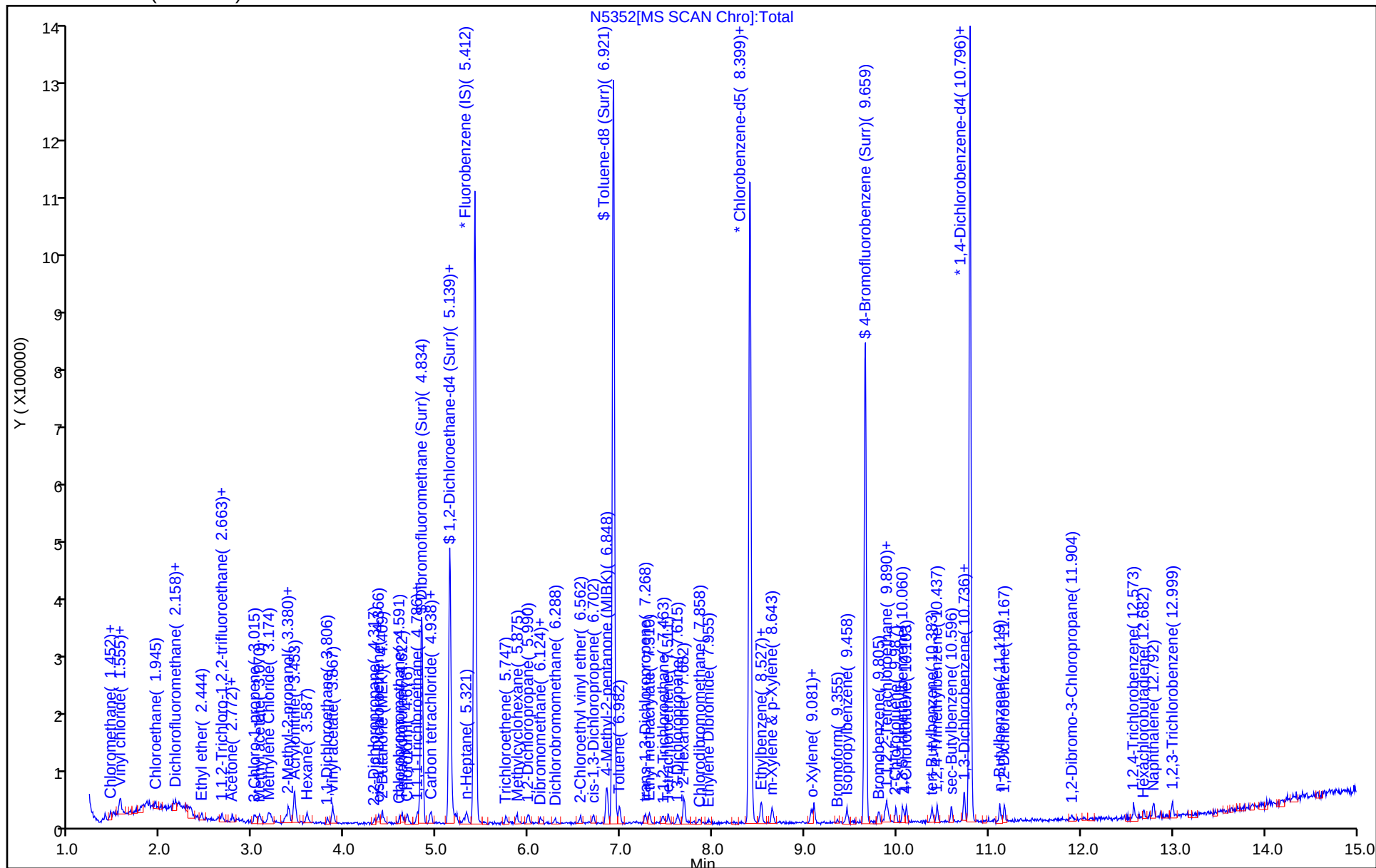
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D

Injection Date: 26-Aug-2021 12:40:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

7

Worklist Smp#: 7

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

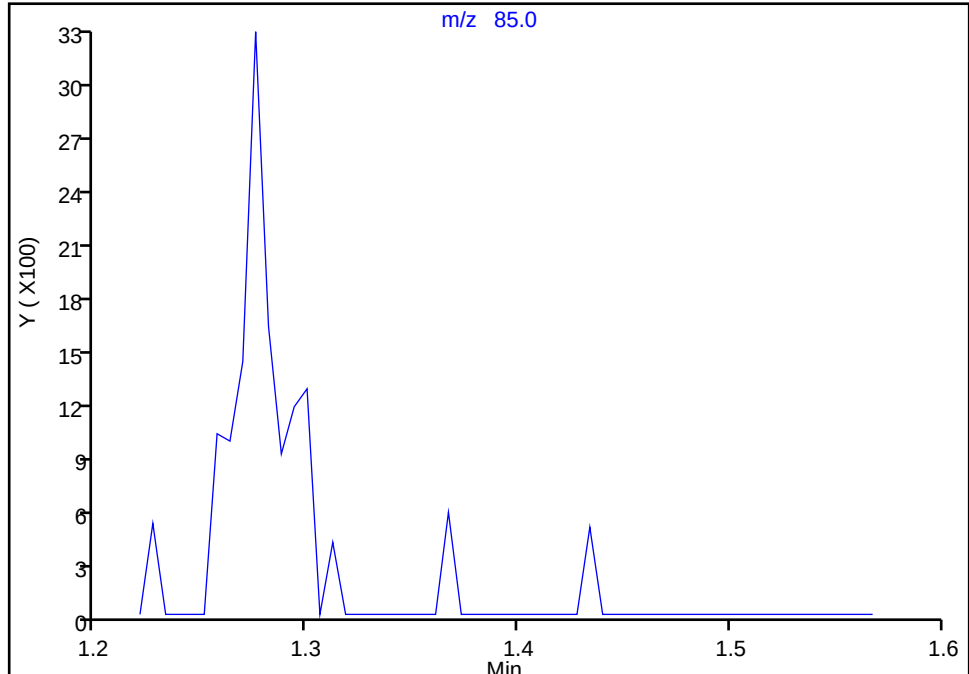
11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

Not Detected

Expected RT: 1.28

Processing Integration Results



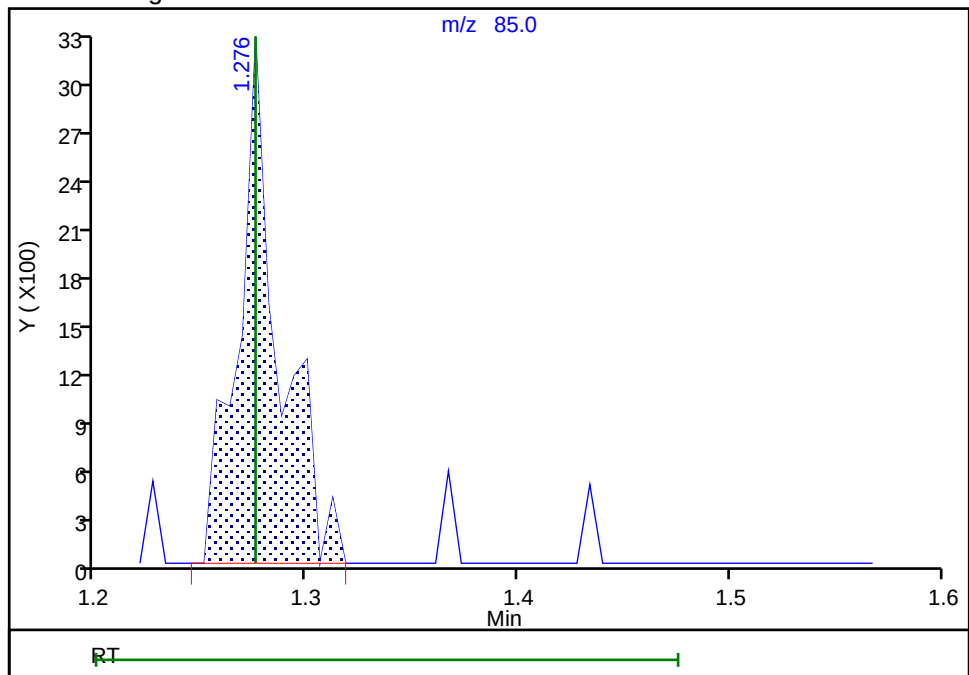
RT: 1.28

Area: 4353

Amount: 0.557111

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:34:40

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D

Injection Date: 26-Aug-2021 12:40:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

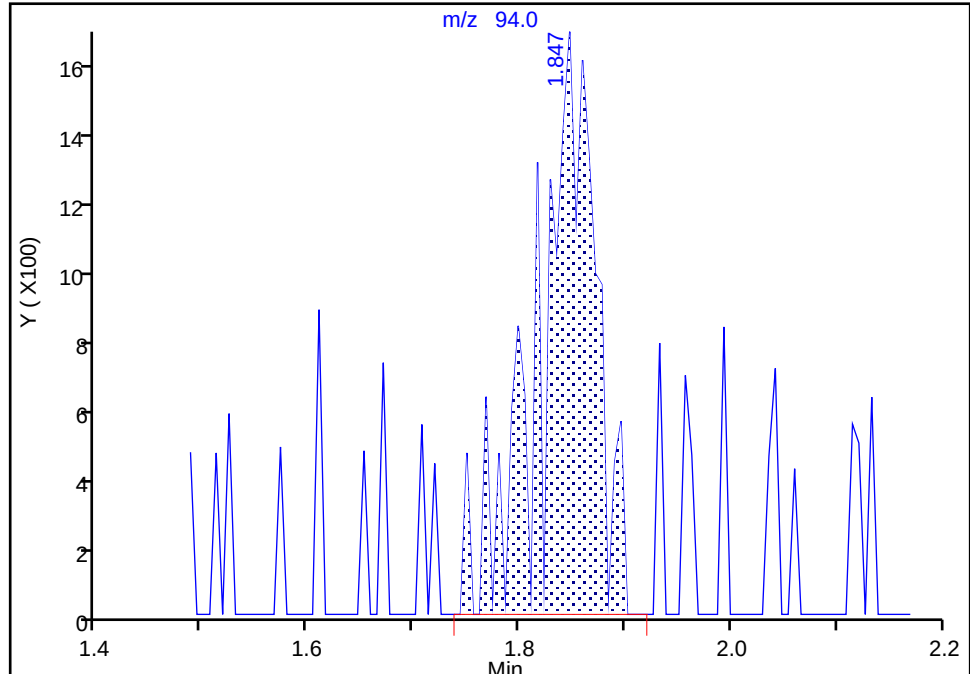
Detector: MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

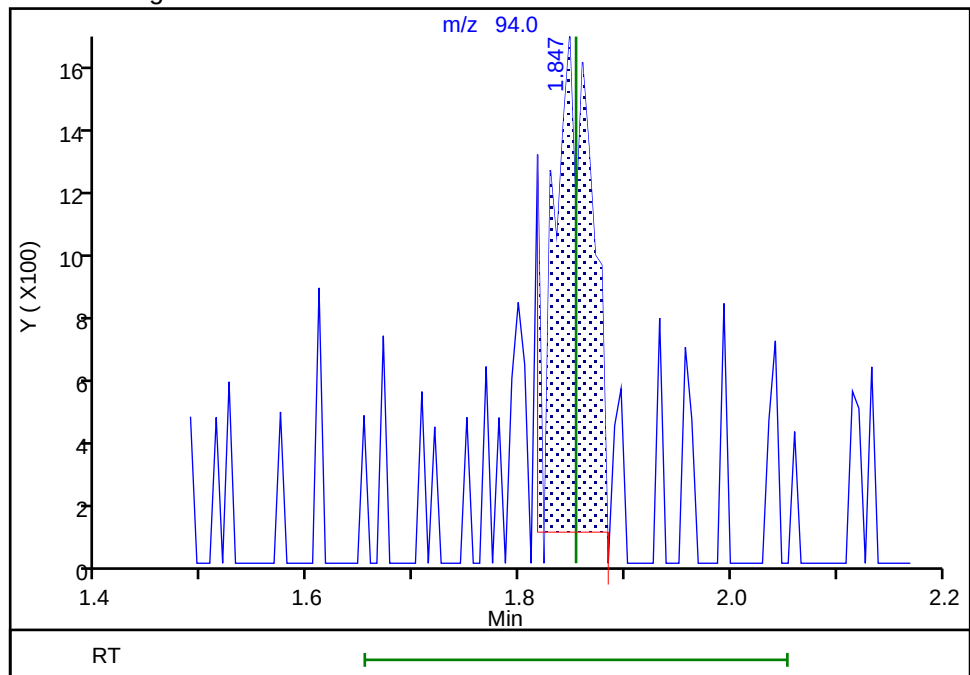
RT: 1.85
Area: 6209
Amount: 0.601963
Amount Units: ug/L

Processing Integration Results



RT: 1.85
Area: 4118
Amount: 0.631907
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:35:24

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D

Injection Date: 26-Aug-2021 12:40:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

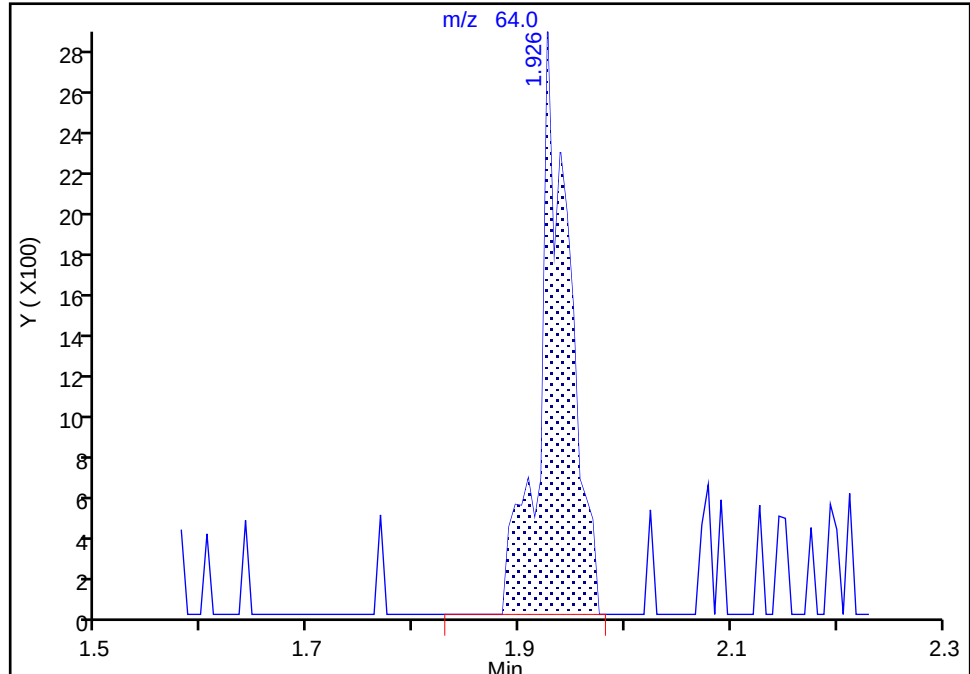
Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

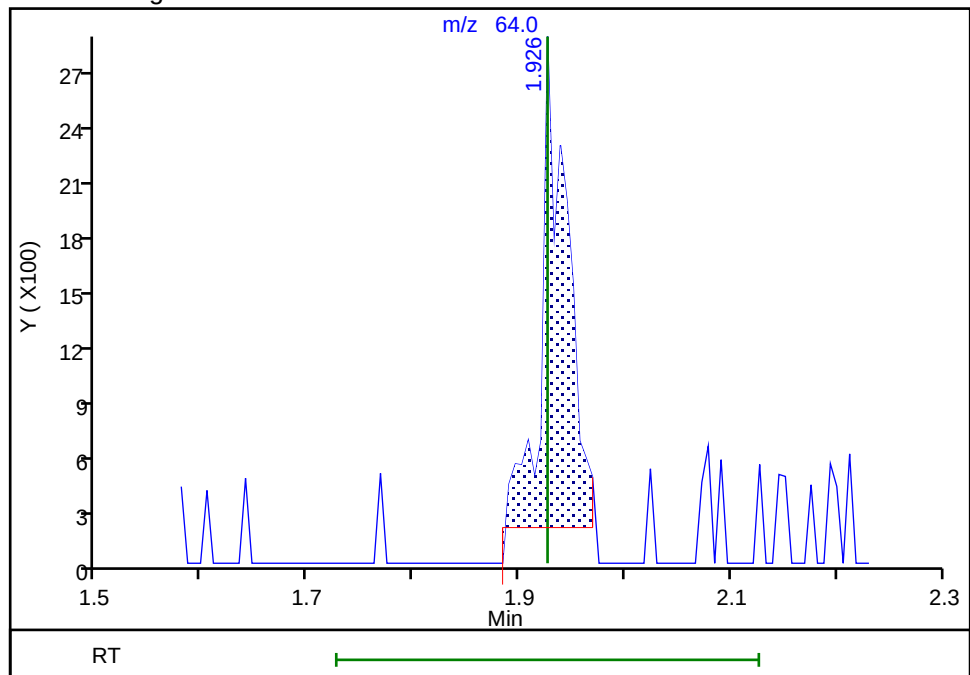
RT: 1.93
Area: 5661
Amount: 0.556763
Amount Units: ug/L

Processing Integration Results



RT: 1.93
Area: 4589
Amount: 0.576512
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:35:14

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

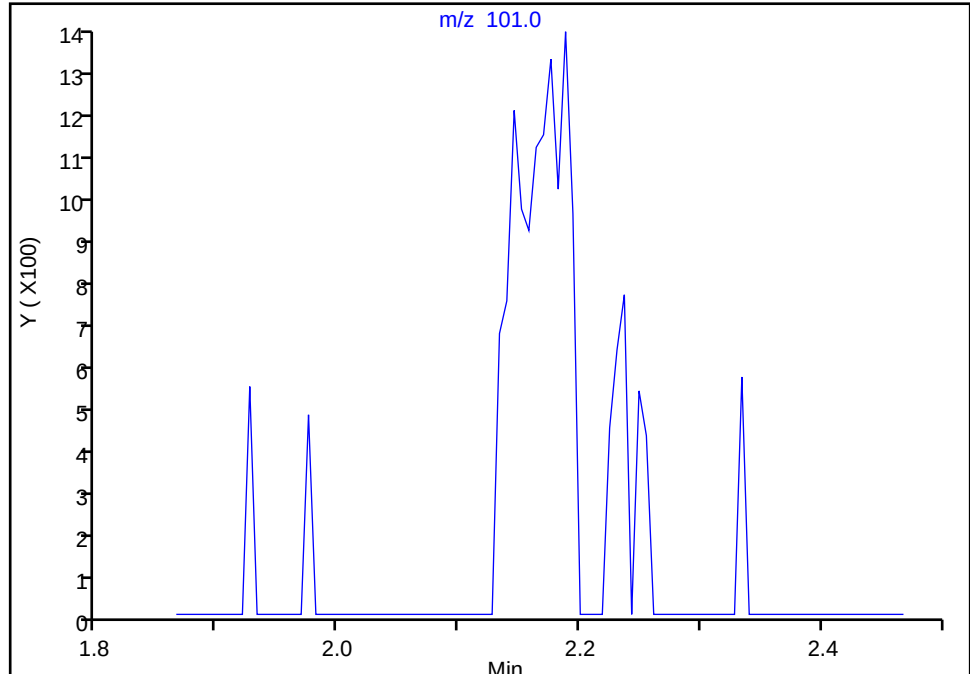
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

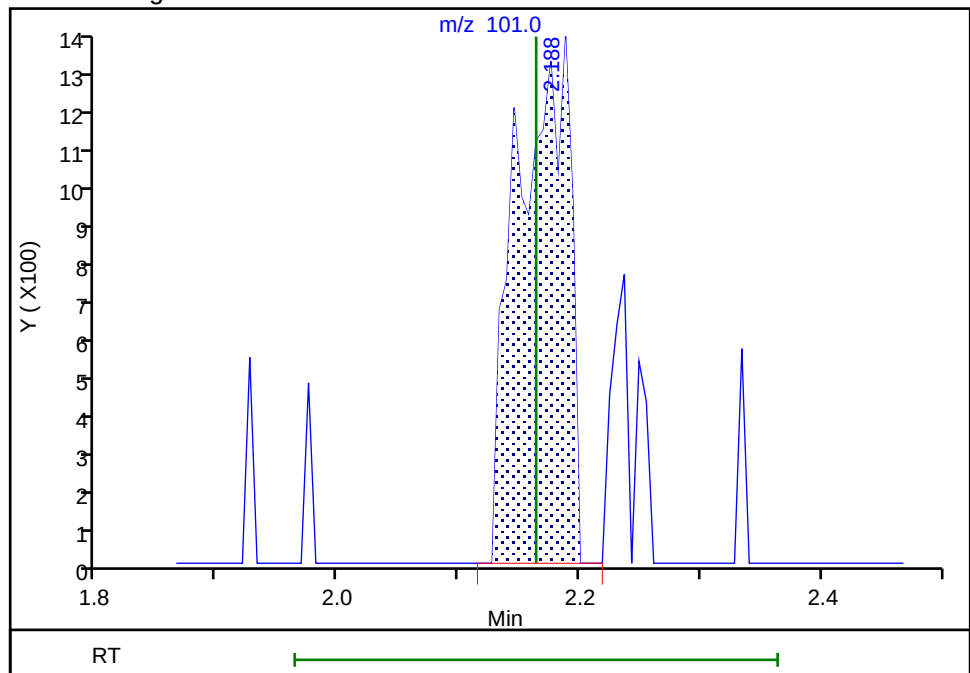
Not Detected
Expected RT: 2.16

Processing Integration Results



Manual Integration Results

RT: 2.19
Area: 4027
Amount: 0.341102
Amount Units: ug/L



Reviewer: HillL, 26-Aug-2021 13:35:37

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D

Injection Date: 26-Aug-2021 12:40:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

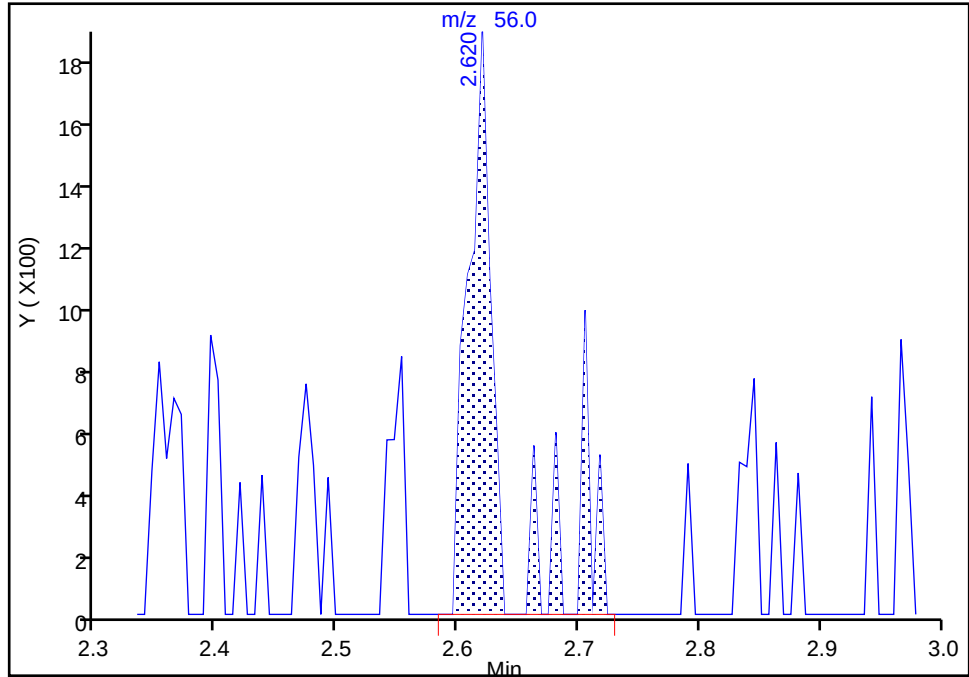
MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

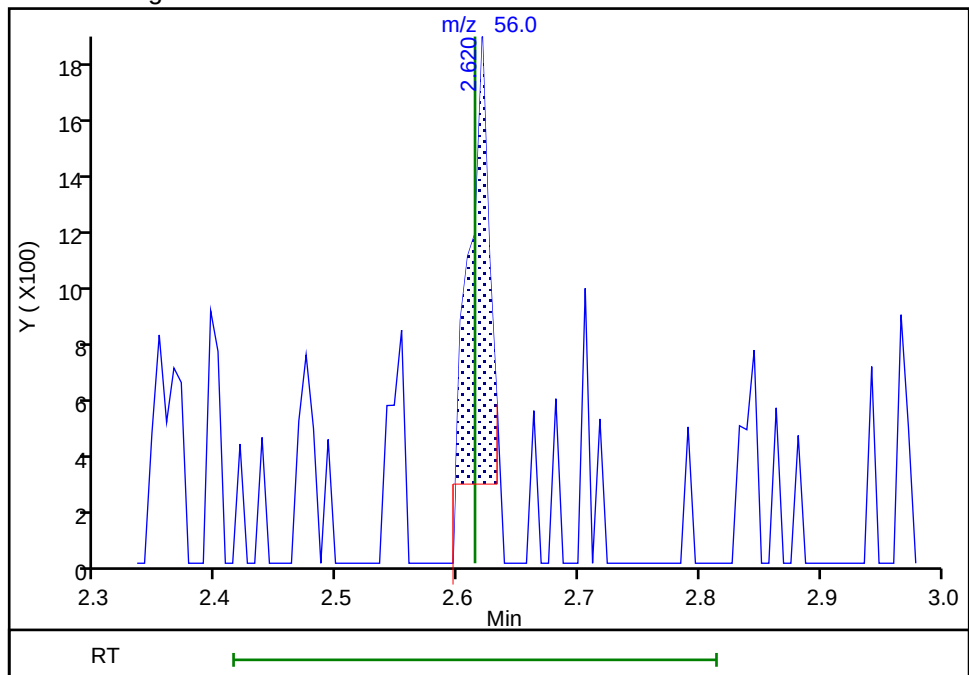
RT: 2.62
Area: 3339
Amount: 4.194902
Amount Units: ug/L

Processing Integration Results



RT: 2.62
Area: 1684
Amount: 2.668131
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 27-Aug-2021 09:32:39

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D

Injection Date: 26-Aug-2021 12:40:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

7

Worklist Smp#: 7

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

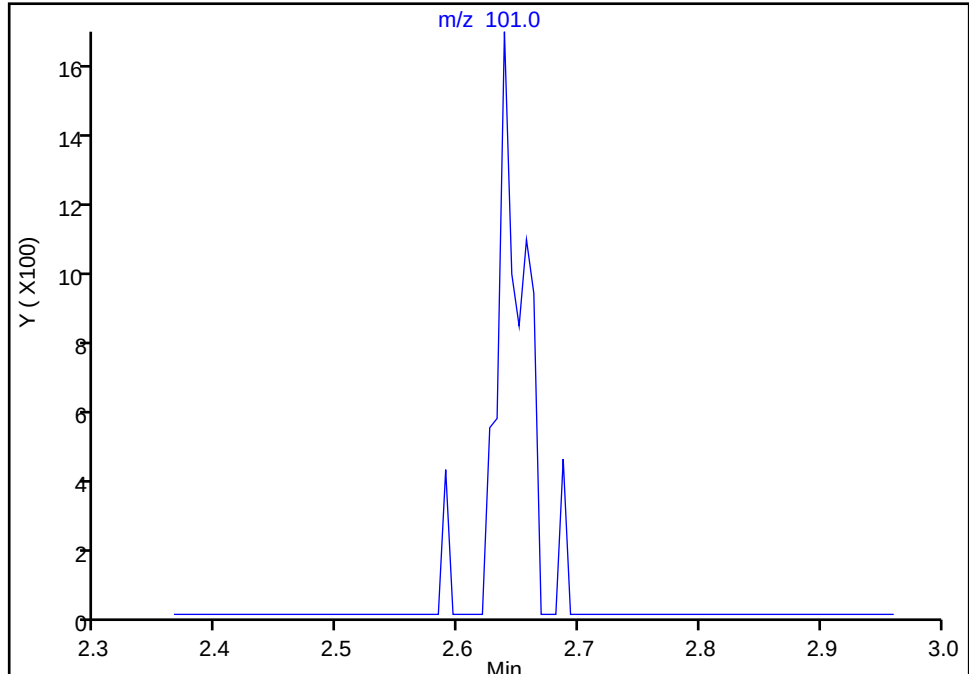
21 112TCTFE, CAS: 76-13-1

Signal: 1

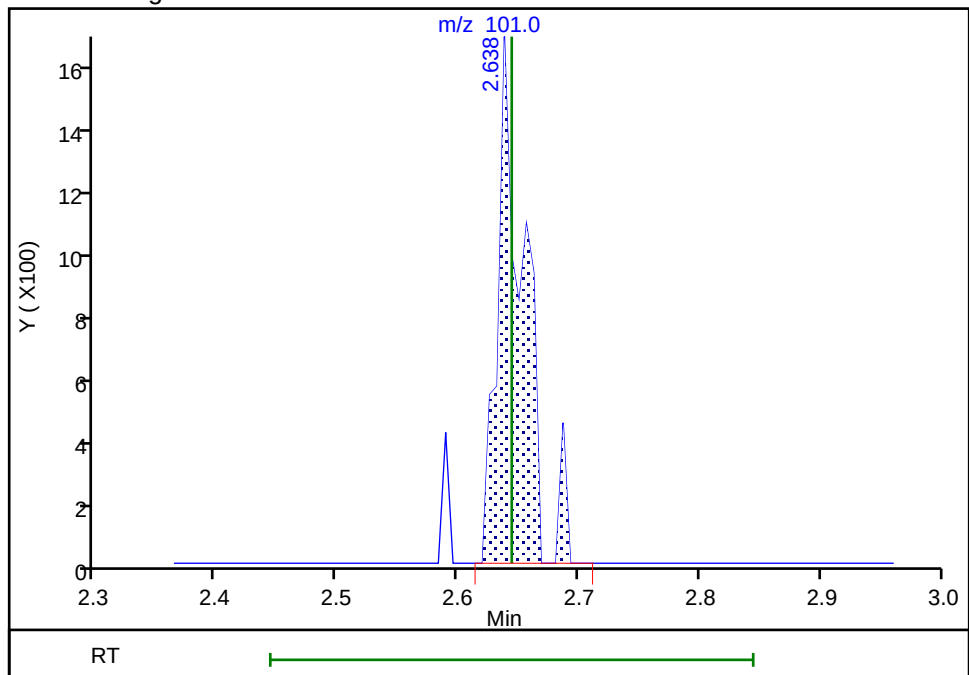
Not Detected

Expected RT: 2.64

Processing Integration Results



Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:35:47

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

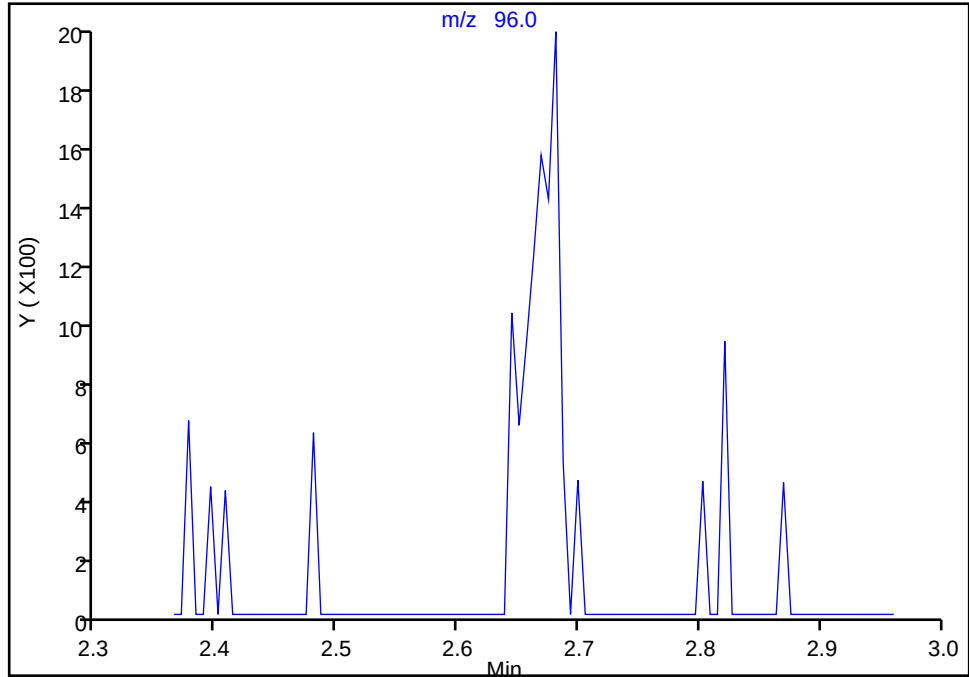
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

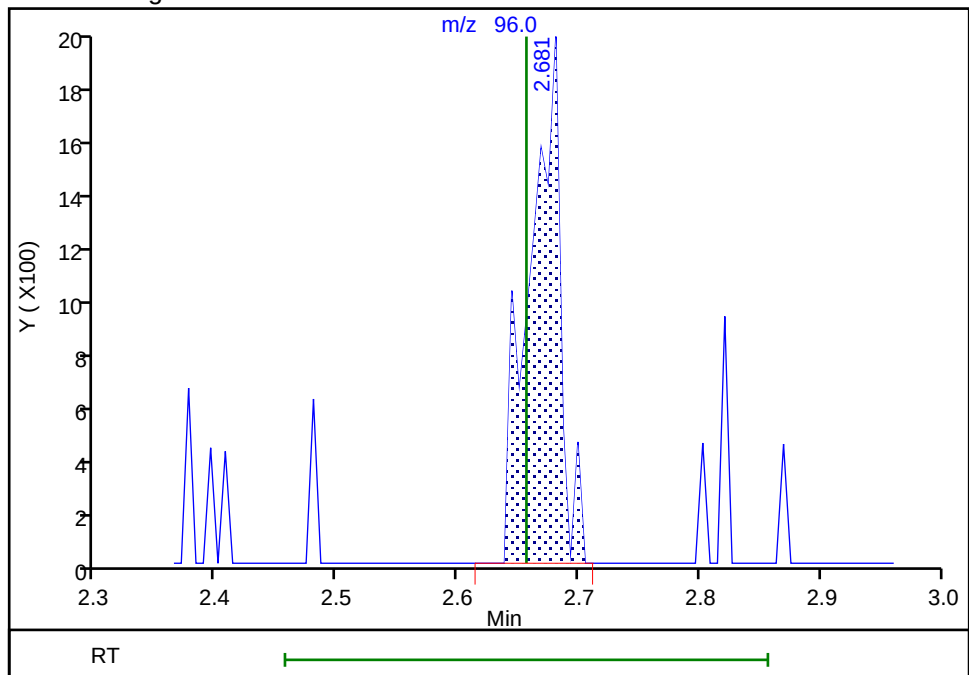
Signal: 1

Not Detected
Expected RT: 2.66

Processing Integration Results



Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:35:52

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

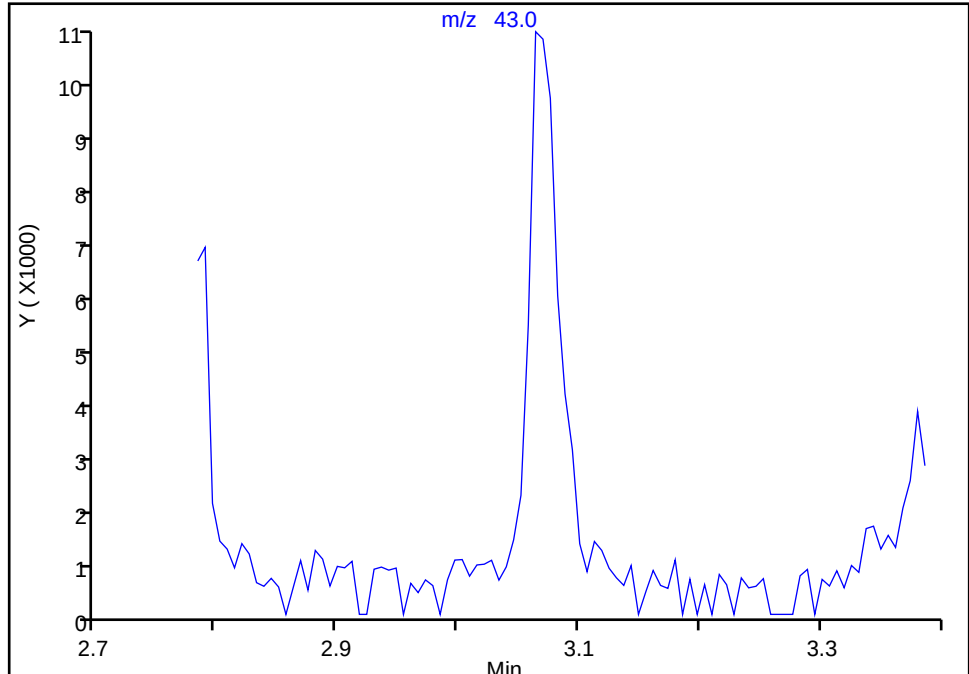
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

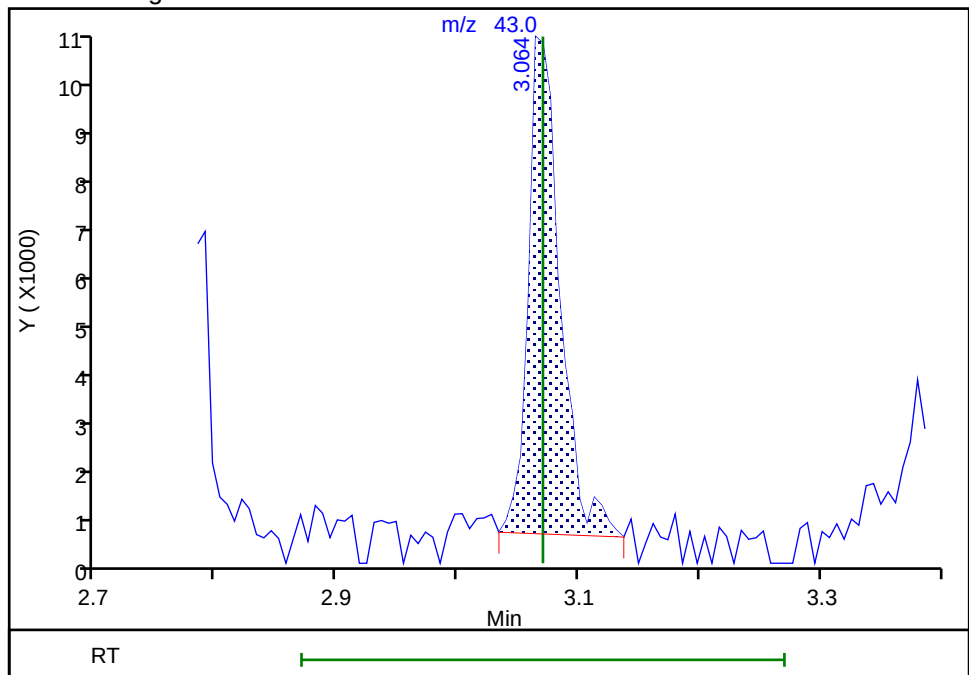
Not Detected
Expected RT: 3.07

Processing Integration Results



RT: 3.06
Area: 18328
Amount: 1.179860
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:36:06
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

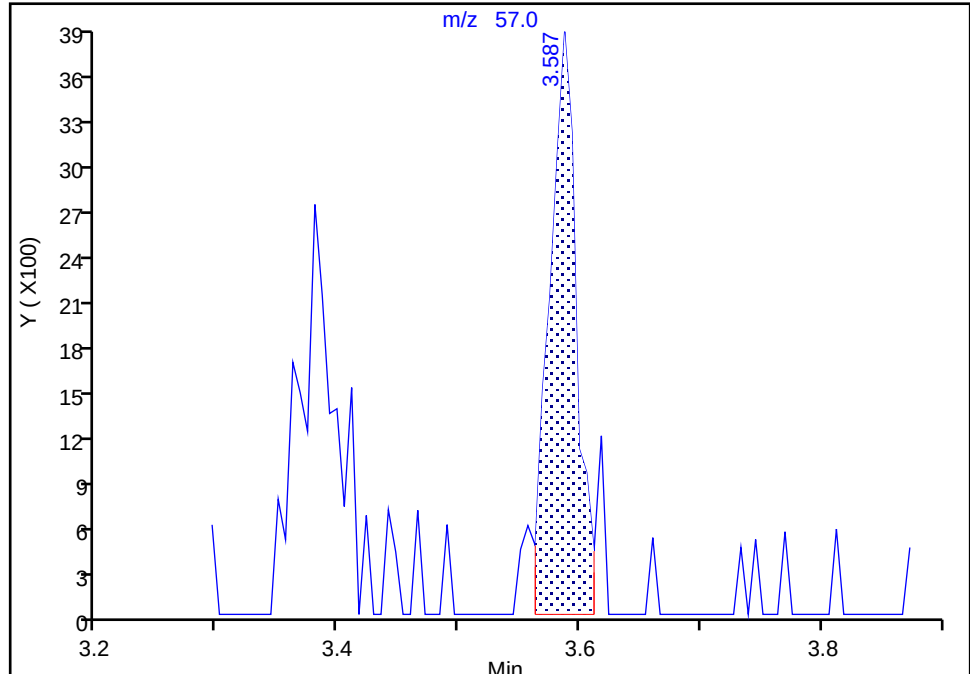
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

35 Hexane, CAS: 110-54-3

Signal: 1

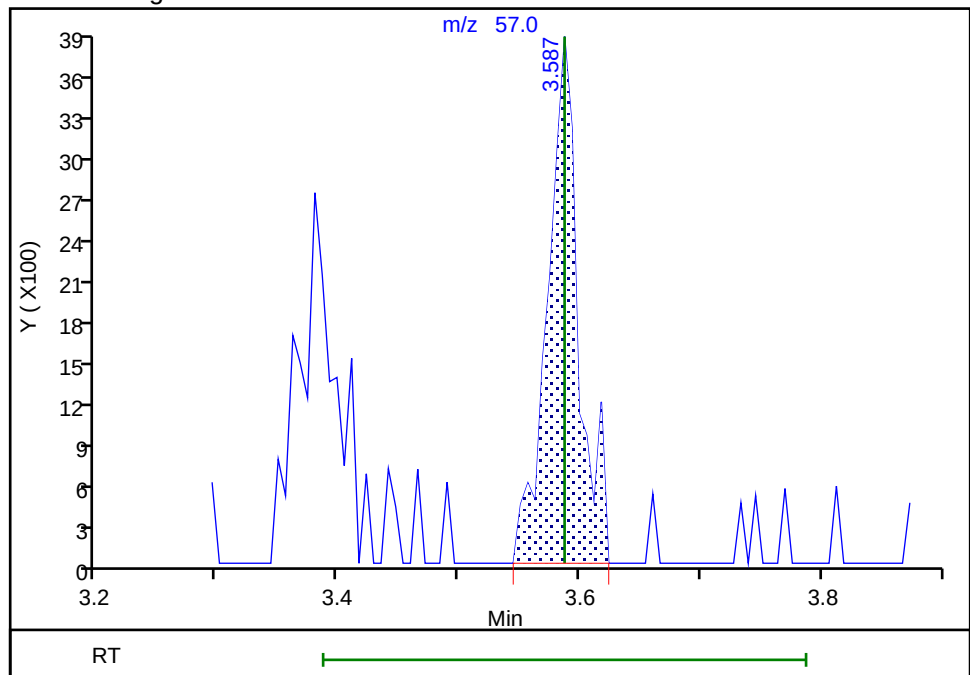
RT: 3.59
Area: 6049
Amount: 0.378152
Amount Units: ug/L

Processing Integration Results



RT: 3.59
Area: 6850
Amount: 0.380169
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:36:21
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D

Injection Date: 26-Aug-2021 12:40:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

7

Worklist Smp#: 7

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

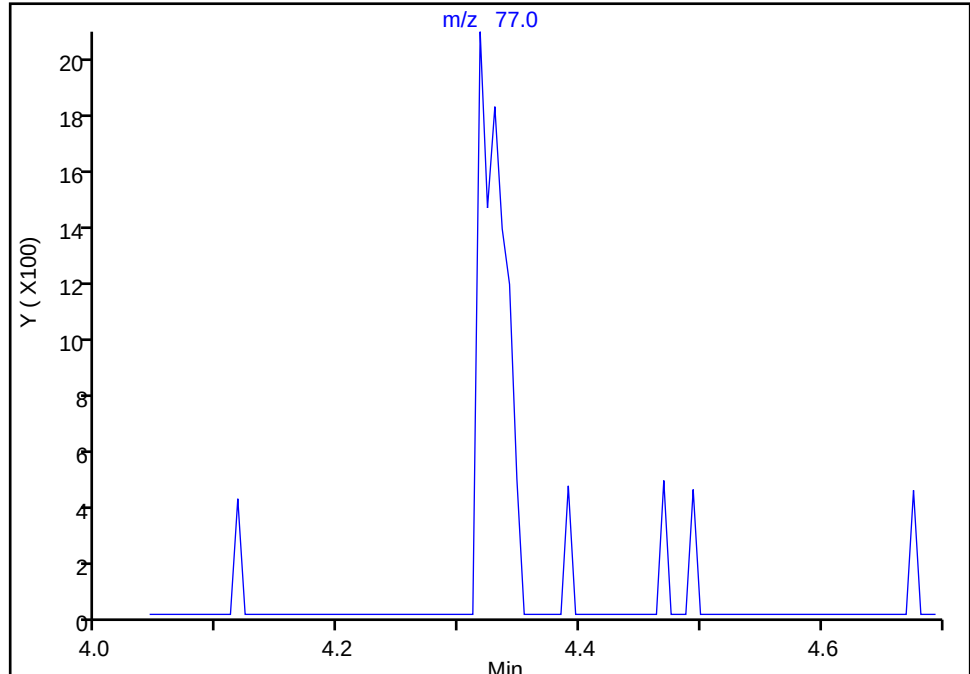
42 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

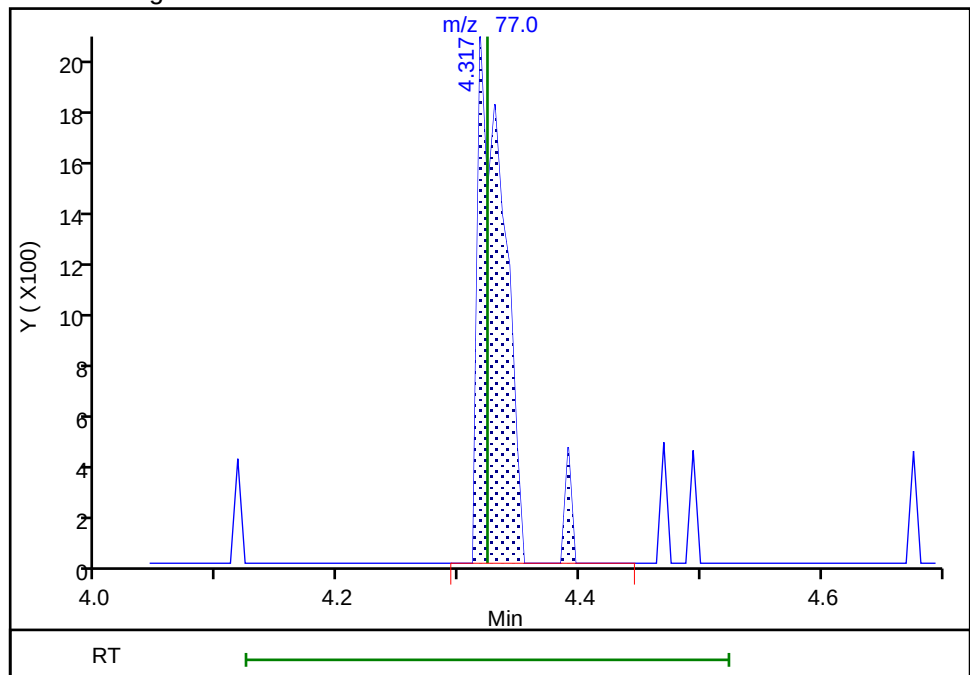
Not Detected

Expected RT: 4.32

Processing Integration Results



Manual Integration Results



RT: 4.32

Area: 3221

Amount: 0.417631

Amount Units: ug/L

Reviewer: HillL, 26-Aug-2021 13:36:30

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

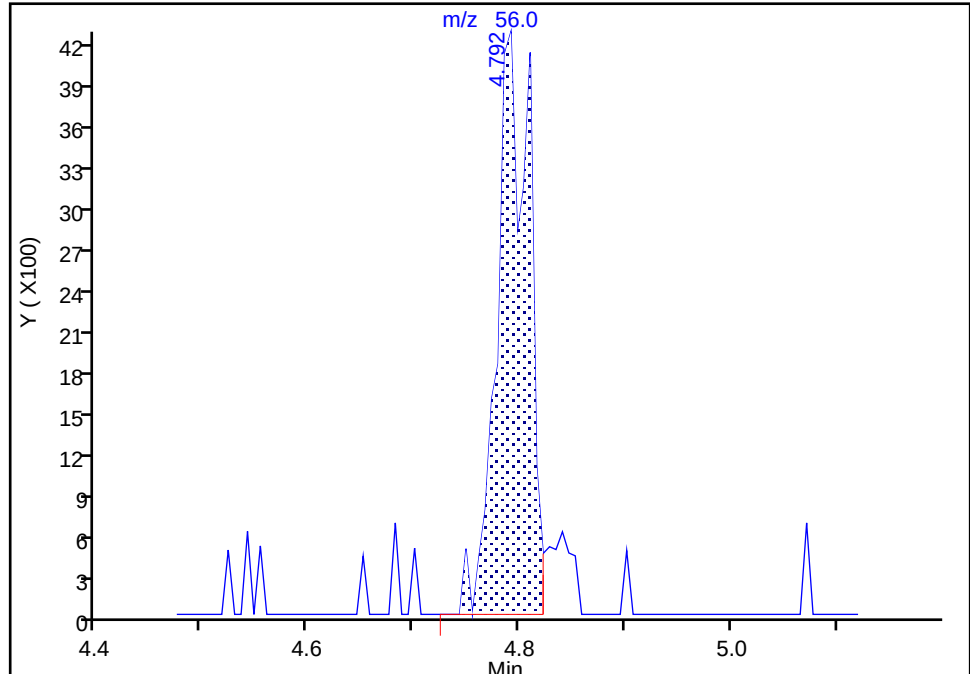
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

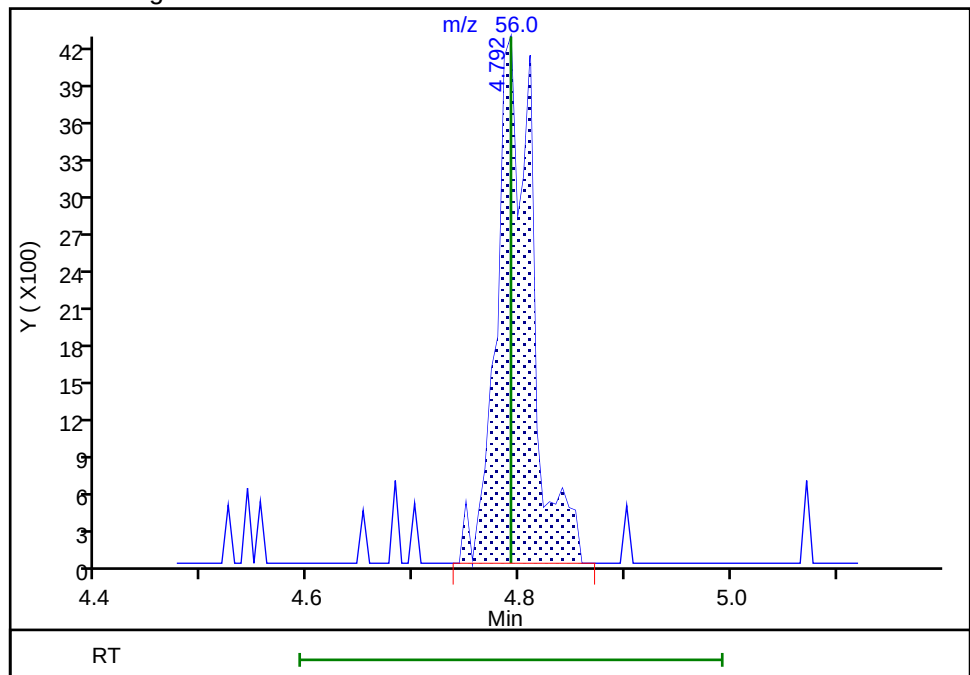
RT: 4.79
Area: 9156
Amount: 0.452448
Amount Units: ug/L

Processing Integration Results



RT: 4.79
Area: 10055
Amount: 0.452796
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:36:45
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

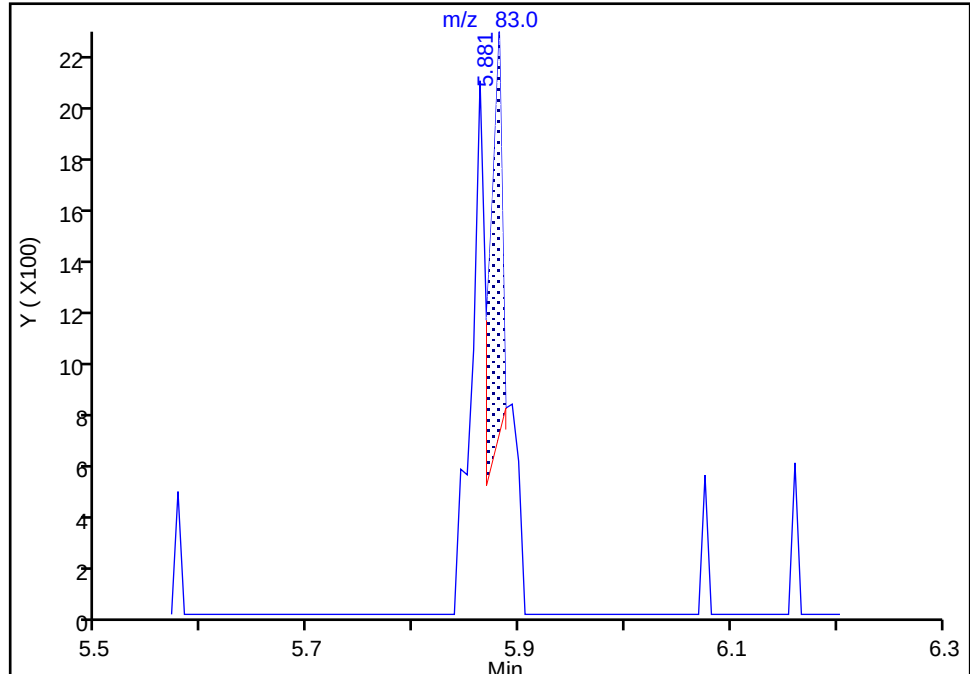
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

62 Methylcyclohexane, CAS: 108-87-2

Signal: 1

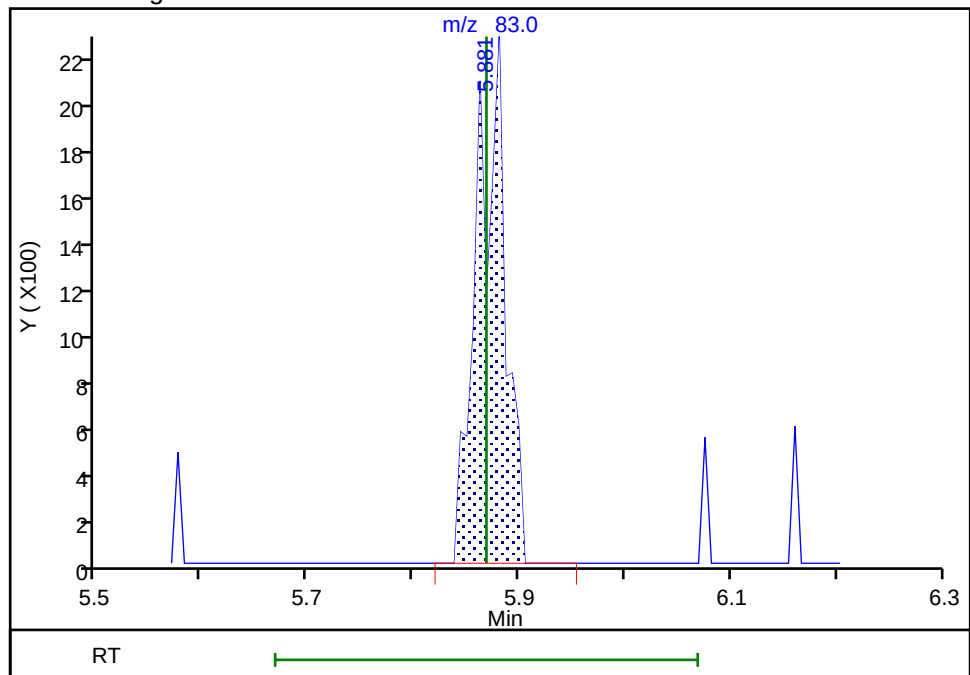
RT: 5.88
Area: 1202
Amount: 0.151418
Amount Units: ug/L

Processing Integration Results



RT: 5.88
Area: 4239
Amount: 0.296293
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:37:03
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

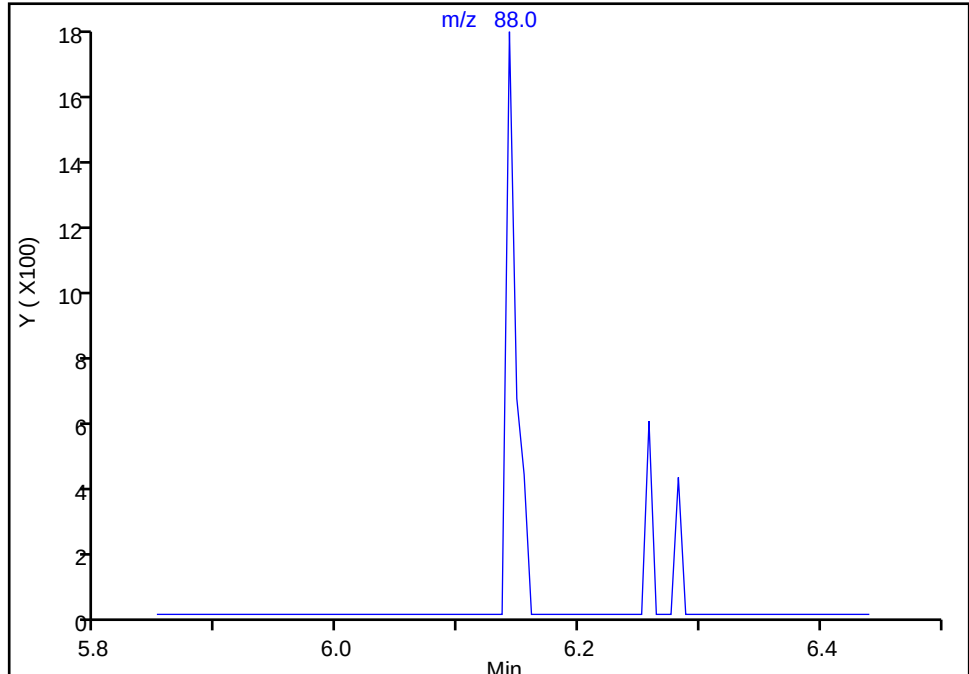
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

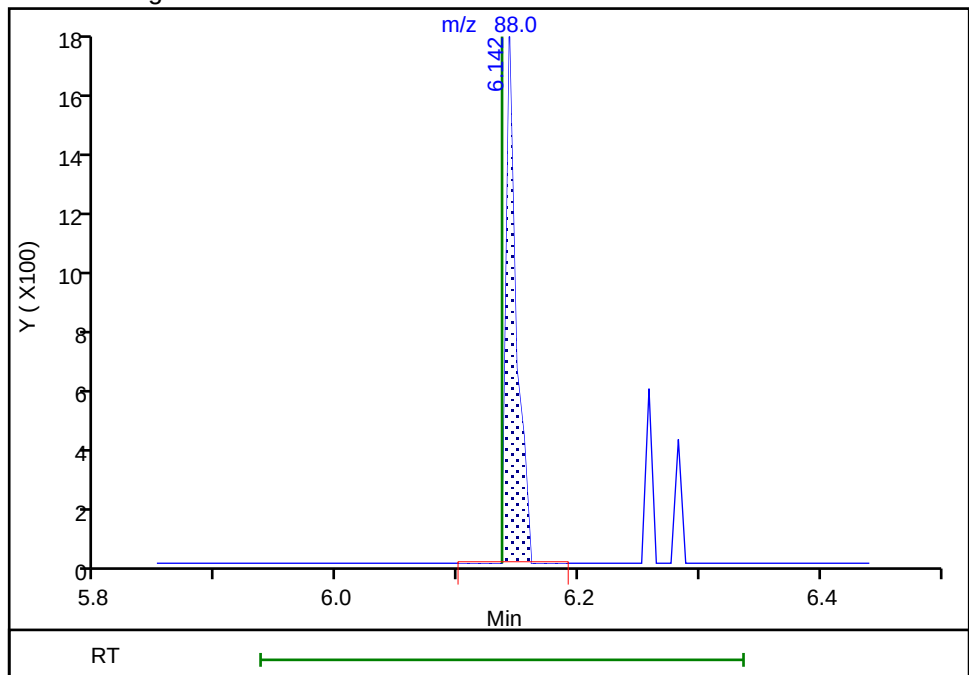
Not Detected
Expected RT: 6.14

Processing Integration Results



RT: 6.14
Area: 1008
Amount: 9.422305
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 27-Aug-2021 09:45:53
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

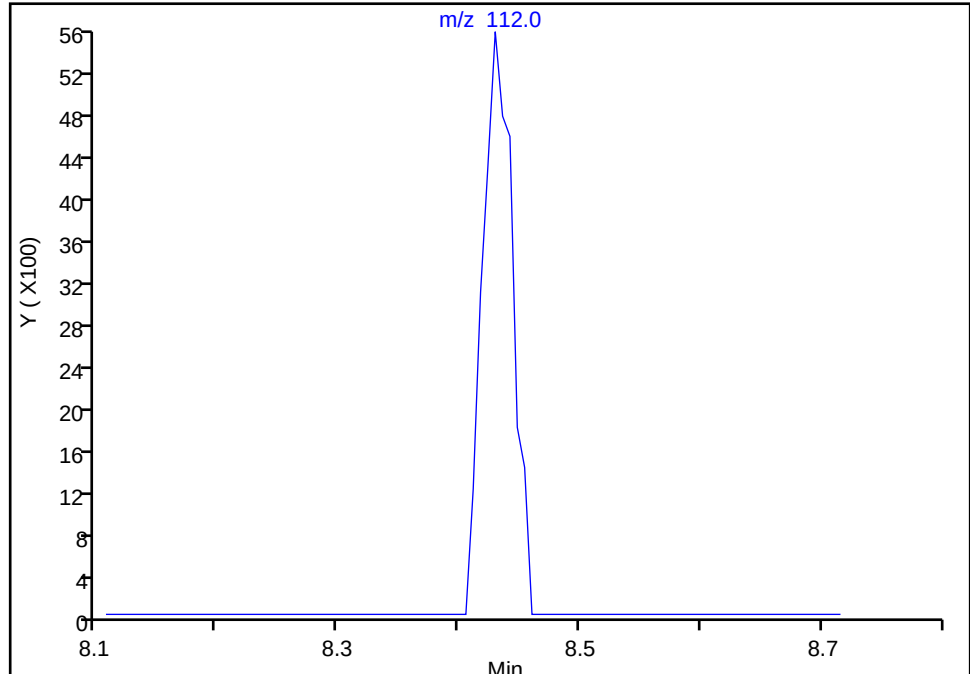
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

85 Chlorobenzene, CAS: 108-90-7

Signal: 1

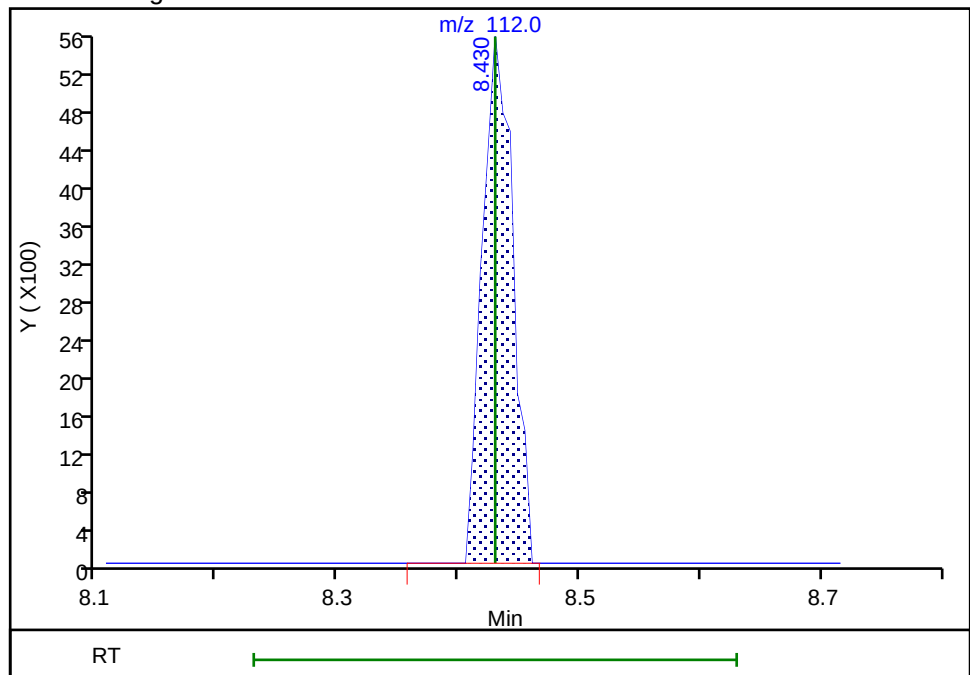
Not Detected
Expected RT: 8.43

Processing Integration Results



RT: 8.43
Area: 9692
Amount: 0.404110
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:37:23
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

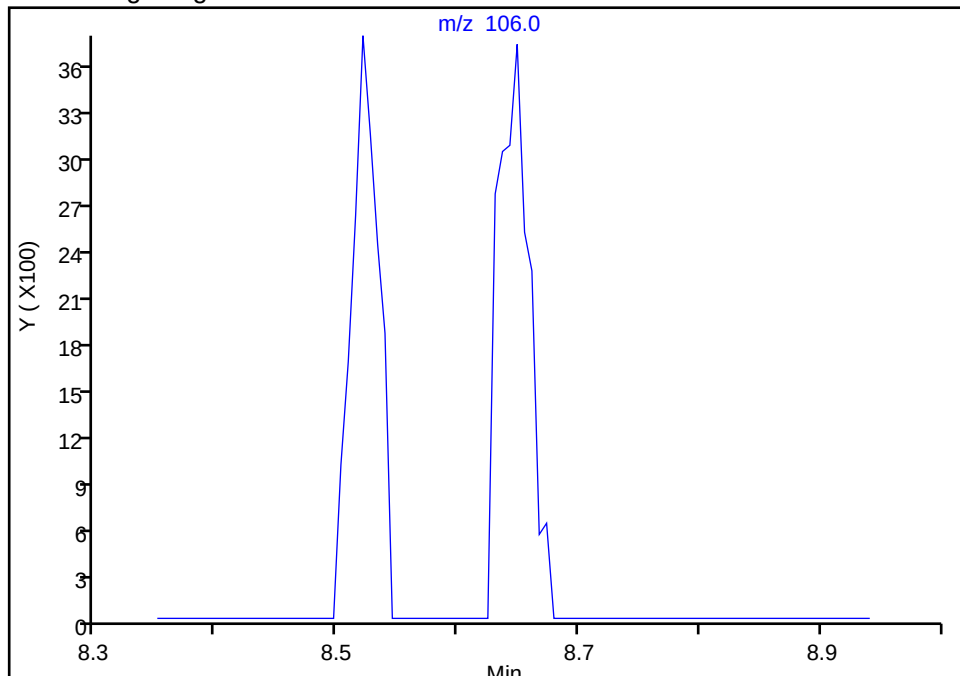
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

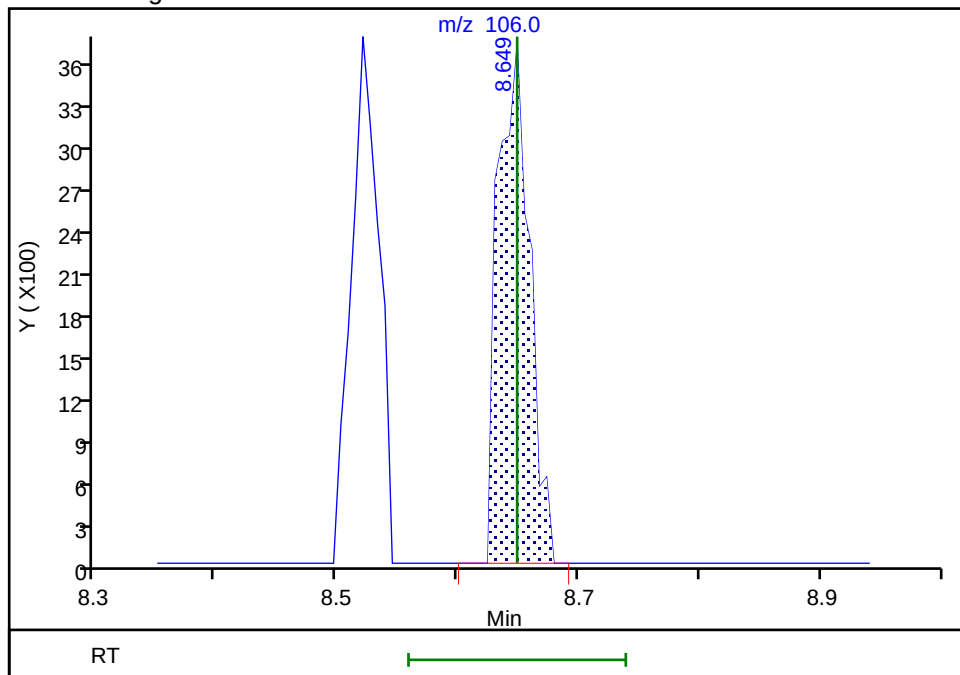
Not Detected
Expected RT: 8.65

Processing Integration Results



RT: 8.65
Area: 6705
Amount: 0.435441
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:37:29
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D

Injection Date: 26-Aug-2021 12:40:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

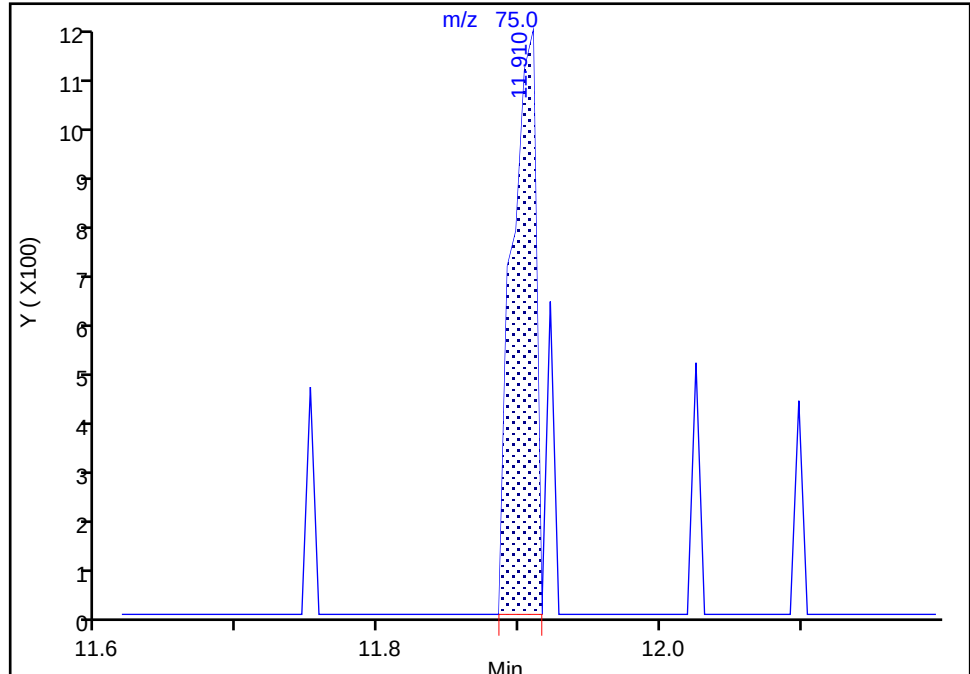
MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

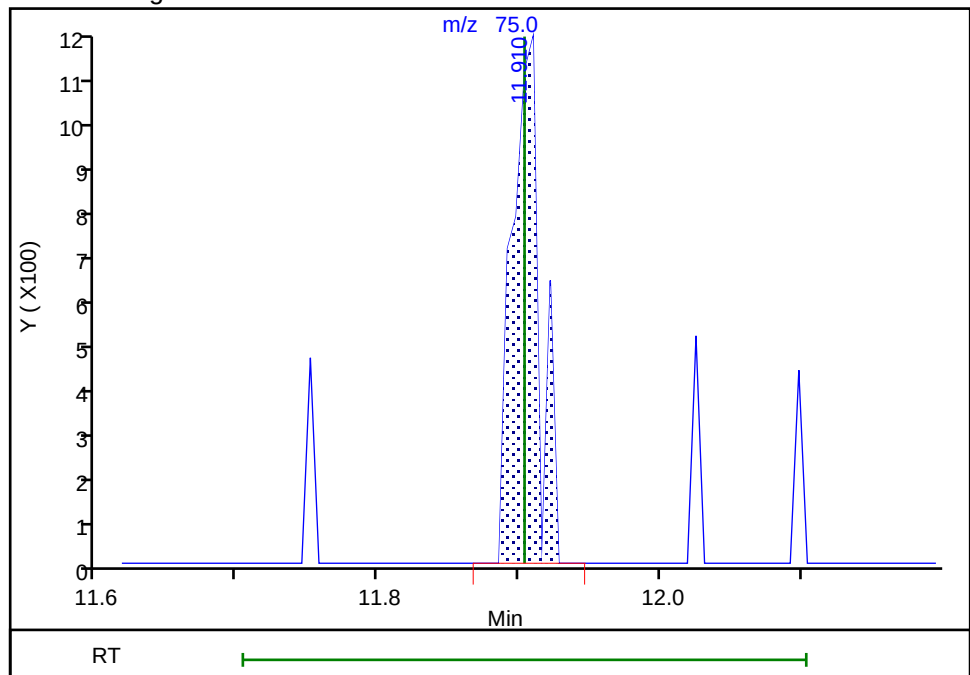
RT: 11.91
Area: 1341
Amount: 0.519043
Amount Units: ug/L

Processing Integration Results



RT: 11.91
Area: 1567
Amount: 0.583925
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:37:57

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D

Injection Date: 26-Aug-2021 12:40:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

7

Worklist Smp#: 7

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

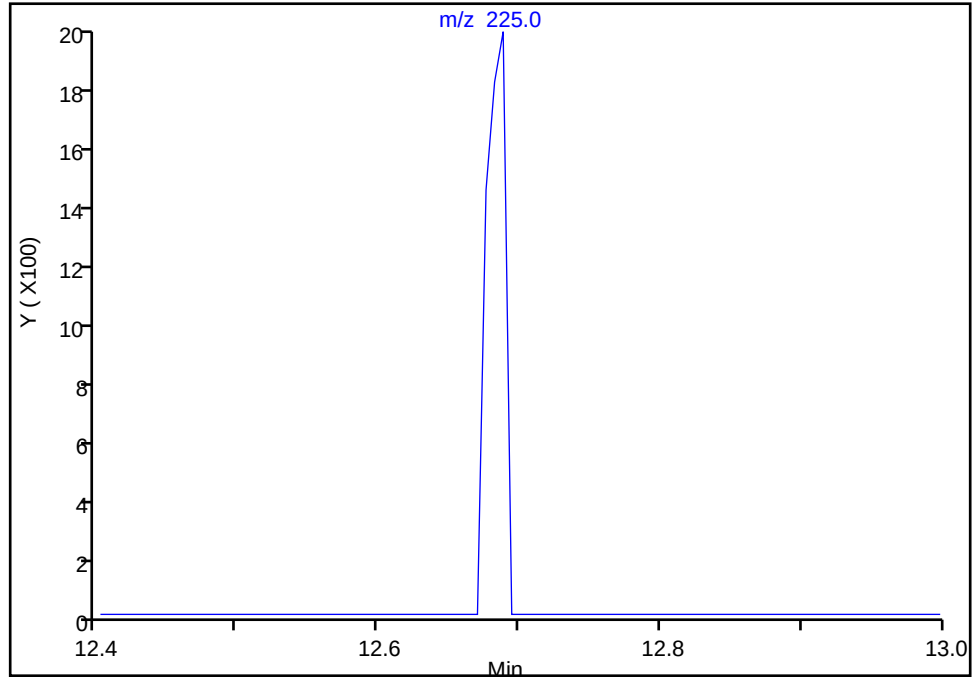
120 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

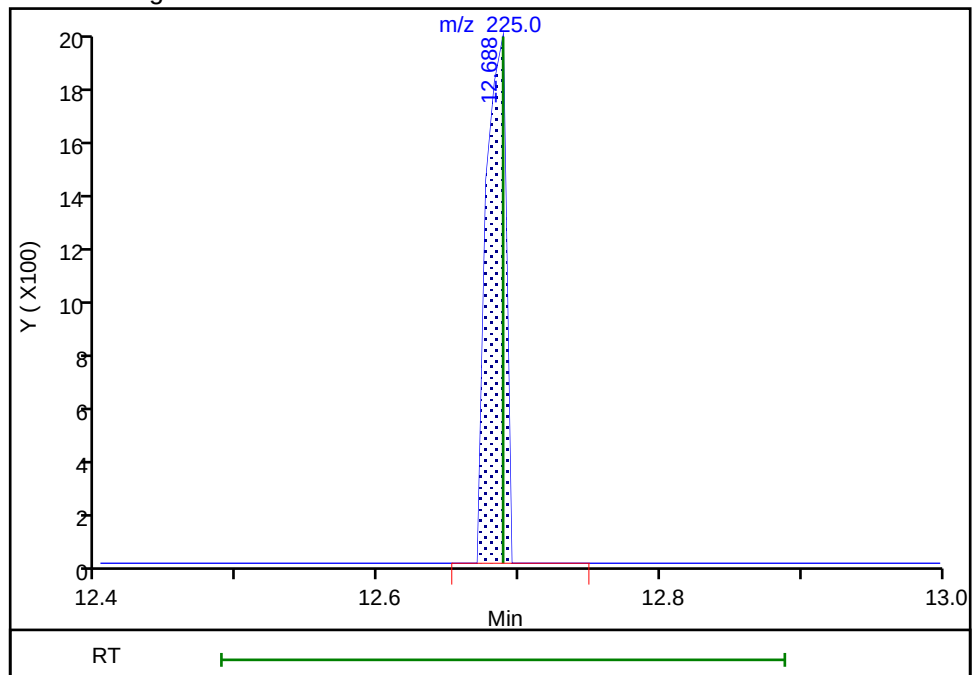
Not Detected

Expected RT: 12.69

Processing Integration Results



Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:38:02

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5353.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 26-Aug-2021 13:03:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0100628-008
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 27-Aug-2021 10:04:37 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: HillL

Date: 26-Aug-2021 13:43:29

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	5.412	5.412	0.000	98	153408	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.405	0.000	90	551770	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	96	311592	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.828	0.006	93	202036	25.0	25.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.138	5.139	-0.001	97	246264	25.0	24.3	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.915	0.006	96	676326	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	89	212699	25.0	25.2	
11 Dichlorodifluoromethane	85	1.275	1.275	0.000	90	7350	1.00	0.9826	
13 Chloromethane	50	1.458	1.446	0.012	96	19195	1.00	1.07	
14 Vinyl chloride	62	1.543	1.543	0.000	60	12046	1.00	1.05	
144 Butadiene	54	1.549	1.549	0.000	89	18133	1.00	1.23	
15 Bromomethane	94	1.841	1.853	-0.012	54	7861	1.00	1.26	
16 Chloroethane	64	1.926	1.926	0.000	63	8629	1.00	1.13	
17 Dichlorofluoromethane	67	2.151	2.152	-0.001	94	17012	1.00	1.16	
18 Trichlorofluoromethane	101	2.139	2.164	-0.025	52	10384	1.00	0.9187	
19 Ethyl ether	59	2.431	2.437	-0.006	93	11469	1.00	1.08	
20 Acrolein	56	2.608	2.614	-0.006	26	3726	5.00	6.17	Ma
21 112TCTFE	101	2.656	2.644	0.012	61	5893	1.00	0.8698	
22 1,1-Dichloroethene	96	2.656	2.656	0.000	87	6970	1.00	0.9662	
23 Acetone	43	2.772	2.772	0.000	96	26587	5.00	5.32	M
24 Iodomethane	142	2.839	2.827	0.012	87	11798	1.00	0.9426	
25 Carbon disulfide	76	2.851	2.857	-0.006	94	24802	1.00	1.11	
27 3-Chloro-1-propene	41	3.015	3.015	0.000	82	27730	1.00	1.09	
28 Methyl acetate	43	3.070	3.070	0.000	98	33100	2.00	2.23	
30 Methylene Chloride	84	3.167	3.167	0.000	91	13175	1.00	1.16	
31 2-Methyl-2-propanol	59	3.344	3.344	0.000	91	16986	10.0	11.6	
32 Methyl tert-butyl ether	73	3.380	3.374	0.006	94	27856	1.00	1.03	
33 trans-1,2-Dichloroethene	96	3.392	3.393	-0.001	89	8056	1.00	0.99	
34 Acrylonitrile	53	3.453	3.447	0.006	100	74161	10.0	10.4	a
35 Hexane	57	3.587	3.587	0.000	95	19046	1.00	1.10	

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	3.806	3.806	0.000	96	18183	1.00	1.02	
39 Vinyl acetate	43	3.861	3.867	-0.006	96	70152	2.00	1.88	
42 2,2-Dichloropropane	77	4.341	4.323	0.018	45	8634	1.00	1.17	
43 cis-1,2-Dichloroethene	96	4.372	4.360	0.012	87	9245	1.00	1.01	
44 2-Butanone (MEK)	43	4.402	4.402	0.000	96	47607	5.00	5.25	
47 Chlorobromomethane	128	4.609	4.597	0.012	85	4644	1.00	0.9492	
49 Tetrahydrofuran	42	4.621	4.621	0.000	92	16562	2.00	2.54	M
50 Chloroform	83	4.670	4.676	-0.006	93	16551	1.00	1.13	
51 1,1,1-Trichloroethane	97	4.792	4.786	0.006	75	11867	1.00	1.01	
52 Cyclohexane	56	4.798	4.792	0.006	93	21216	1.00	1.00	
53 Carbon tetrachloride	117	4.932	4.920	0.012	77	10151	1.00	0.9358	
54 1,1-Dichloropropene	75	4.944	4.938	0.006	80	9948	1.00	0.9208	
55 Benzene	78	5.145	5.139	0.006	43	32523	1.00	1.00	
56 Isobutyl alcohol	43	5.169	5.169	0.000	90	27863	25.0	28.6	
57 1,2-Dichloroethane	62	5.218	5.212	0.006	95	15446	1.00	1.04	
59 n-Heptane	43	5.321	5.321	0.000	91	23801	1.00	1.05	
60 Trichloroethene	95	5.753	5.747	0.006	91	7057	1.00	0.8867	
62 Methylcyclohexane	83	5.868	5.869	-0.001	95	12898	1.00	0.9417	
63 1,2-Dichloropropane	63	5.990	5.990	0.000	77	8056	1.00	0.8030	
64 Dibromomethane	93	6.124	6.130	-0.006	93	5630	1.00	1.02	
66 1,4-Dioxane	88	6.130	6.136	-0.006	0	2148	20.0	22.1	M
67 Dichlorobromomethane	83	6.288	6.282	0.006	89	10811	1.00	1.03	
69 2-Chloroethyl vinyl ether	63	6.556	6.562	-0.006	77	5049	1.00	0.7989	
71 cis-1,3-Dichloropropene	75	6.702	6.696	0.006	85	11793	1.00	0.9150	
72 4-Methyl-2-pentanone (MIBK)	58	6.842	6.842	0.000	98	27346	5.00	4.83	
73 Toluene	92	6.982	6.982	0.000	95	19510	1.00	0.9732	
75 trans-1,3-Dichloropropene	75	7.268	7.268	0.000	89	10809	1.00	0.9123	
77 Ethyl methacrylate	69	7.310	7.316	-0.006	86	9159	1.00	0.9110	
78 1,1,2-Trichloroethane	83	7.462	7.456	0.006	79	5462	1.00	0.9440	
79 Tetrachloroethene	166	7.505	7.517	-0.012	94	7318	1.00	0.9002	
80 1,3-Dichloropropane	76	7.621	7.621	0.000	86	11290	1.00	0.9884	
82 2-Hexanone	43	7.694	7.688	0.006	99	57368	5.00	5.14	
83 Chlorodibromomethane	129	7.852	7.852	0.000	91	6512	1.00	0.8589	
84 Ethylene Dibromide	107	7.955	7.955	0.000	93	6892	1.00	0.9655	
85 Chlorobenzene	112	8.442	8.430	0.012	75	21467	1.00	0.9872	
88 Ethylbenzene	91	8.521	8.521	0.000	98	37362	1.00	1.02	
89 1,1,1,2-Tetrachloroethane	131	8.527	8.533	-0.006	46	8309	1.00	1.01	
90 m-Xylene & p-Xylene	106	8.643	8.649	-0.006	97	13607	1.00	0.9746	
91 o-Xylene	106	9.081	9.075	0.006	93	13020	1.00	0.9683	
92 Styrene	104	9.105	9.105	0.000	95	22441	1.00	0.9743	
93 Bromoform	173	9.354	9.354	0.000	94	5465	1.00	1.02	
95 Isopropylbenzene	105	9.458	9.458	0.000	96	35099	1.00	0.9143	
97 Bromobenzene	156	9.805	9.805	0.000	94	8456	1.00	0.8758	
98 1,1,2,2-Tetrachloroethane	83	9.871	9.866	0.005	93	9645	1.00	0.9362	
100 N-Propylbenzene	91	9.890	9.884	0.006	99	43581	1.00	0.9661	
99 1,2,3-Trichloropropane	110	9.896	9.896	0.000	57	2996	1.00	0.9857	
101 trans-1,4-Dichloro-2-butene	53	9.908	9.914	-0.006	74	5777	1.00	1.06	
102 2-Chlorotoluene	126	9.993	9.987	0.006	95	8745	1.00	0.9895	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	93	31323	1.00	1.01	
105 4-Chlorotoluene	91	10.103	10.103	0.000	96	28927	1.00	1.02	
106 tert-Butylbenzene	134	10.389	10.383	0.006	94	6220	1.00	0.8936	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	96	30255	1.00	0.9538	

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	10.595	10.596	-0.001	94	36155	1.00	0.9107	
110 1,3-Dichlorobenzene	146	10.729	10.729	0.000	75	18678	1.00	1.01	
111 4-Isopropyltoluene	119	10.735	10.735	0.000	95	31786	1.00	0.8858	
113 1,4-Dichlorobenzene	146	10.821	10.821	-0.001	87	18170	1.00	0.9529	
115 n-Butylbenzene	91	11.119	11.119	0.000	95	28924	1.00	0.9197	
116 1,2-Dichlorobenzene	146	11.173	11.167	0.006	93	18741	1.00	1.00	
117 1,2-Dibromo-3-Chloropropane	75	11.903	11.904	-0.001	73	3380	1.00	1.34	M
119 1,2,4-Trichlorobenzene	180	12.579	12.579	0.000	93	12326	1.00	0.9147	
120 Hexachlorobutadiene	225	12.688	12.688	0.000	92	6662	1.00	1.04	
121 Naphthalene	128	12.792	12.792	0.000	96	33783	1.00	0.9050	
122 1,2,3-Trichlorobenzene	180	12.992	12.992	0.000	95	13056	1.00	0.9827	
S 123 1,3-Dichloropropene, Total	1				0			1.83	
S 124 1,2-Dichloroethene, Total	1				0			2.00	
S 126 Xylenes, Total	1				0			1.94	
S 125 Total BTEX	1				0			4.93	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00212

Amount Added: 1.00

Units: uL

GAS CORP mix_00469

Amount Added: 1.00

Units: uL

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5353.D

Injection Date: 26-Aug-2021 13:03:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

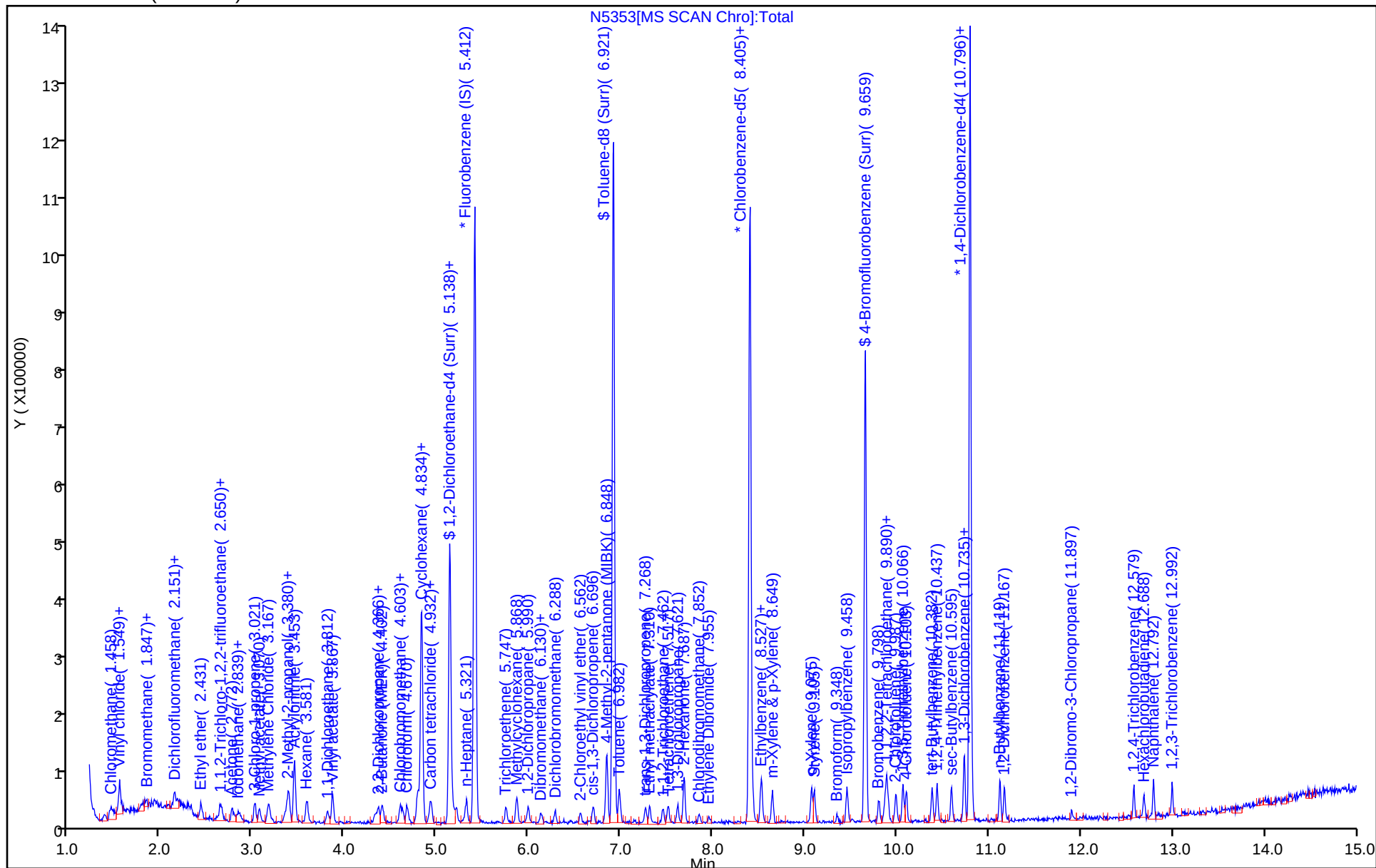
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

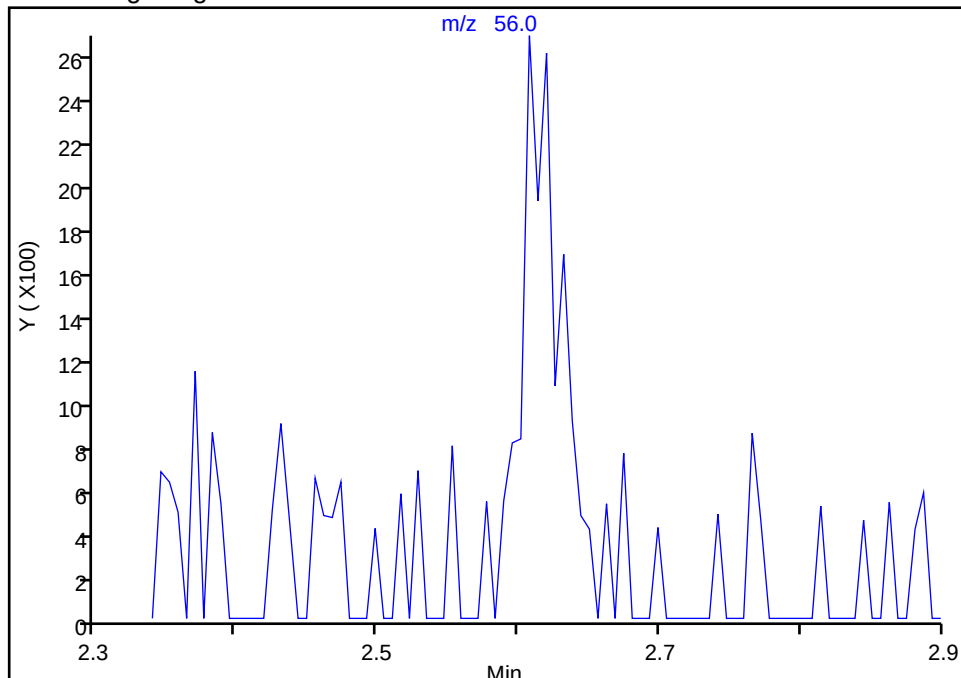
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Injection Date: 26-Aug-2021 13:03:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

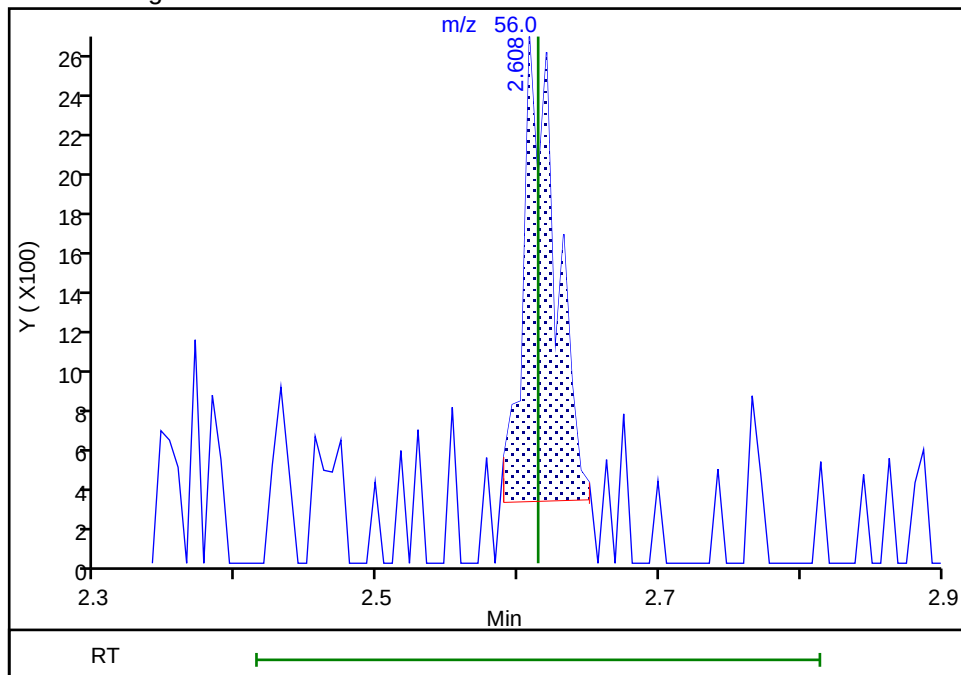
Not Detected
Expected RT: 2.61

Processing Integration Results



Manual Integration Results

RT: 2.61
Area: 3726
Amount: 6.166466
Amount Units: ug/L



Reviewer: HillL, 27-Aug-2021 09:33:01

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

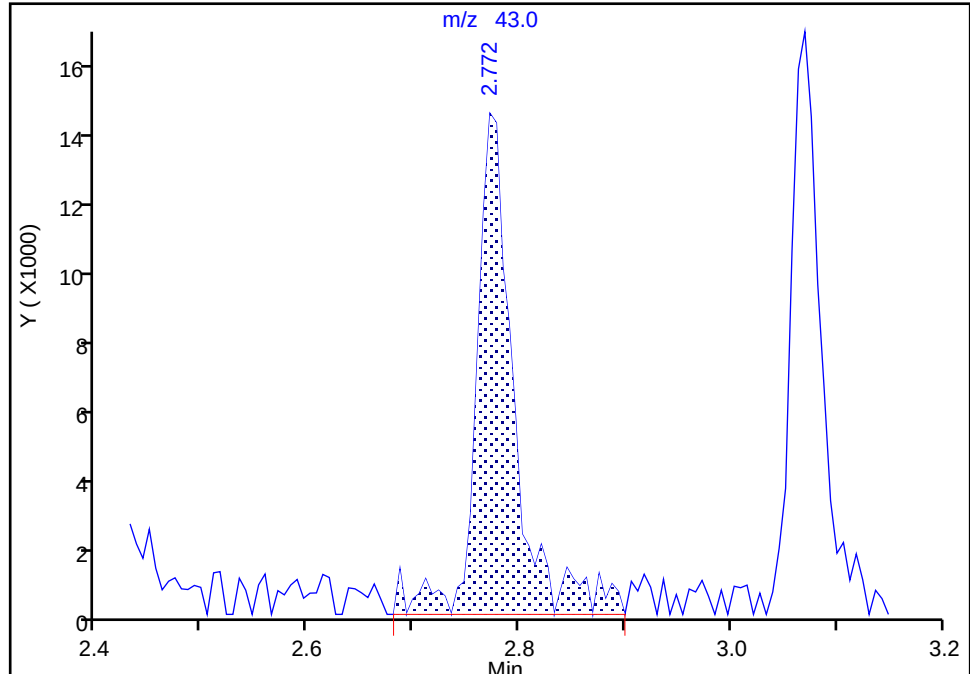
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Injection Date: 26-Aug-2021 13:03:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

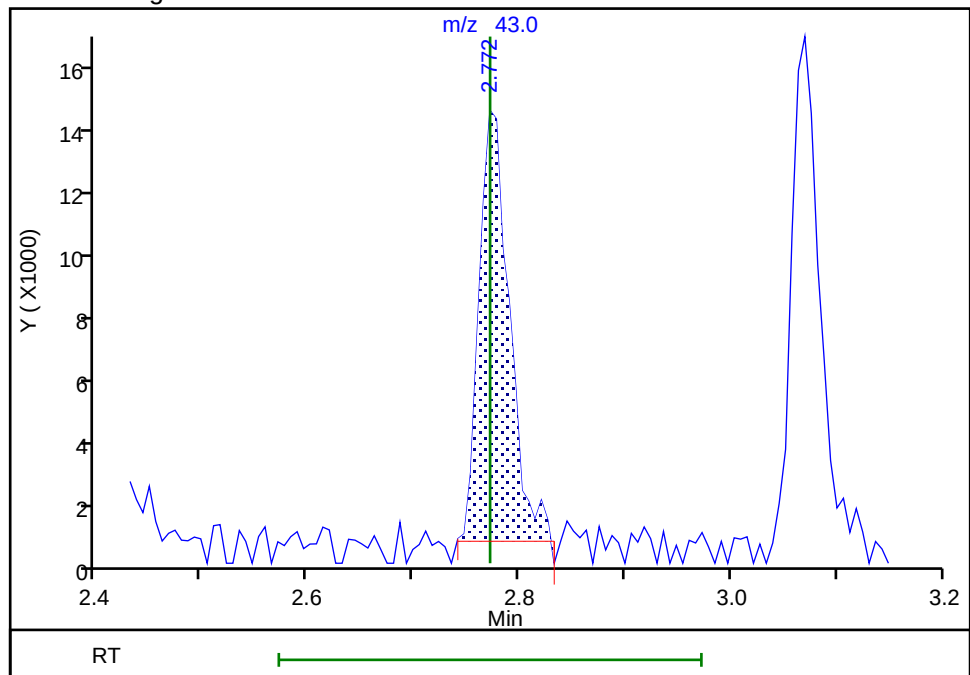
RT: 2.77
Area: 35368
Amount: 6.737541
Amount Units: ug/L

Processing Integration Results



RT: 2.77
Area: 26587
Amount: 5.319654
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 27-Aug-2021 09:38:19

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

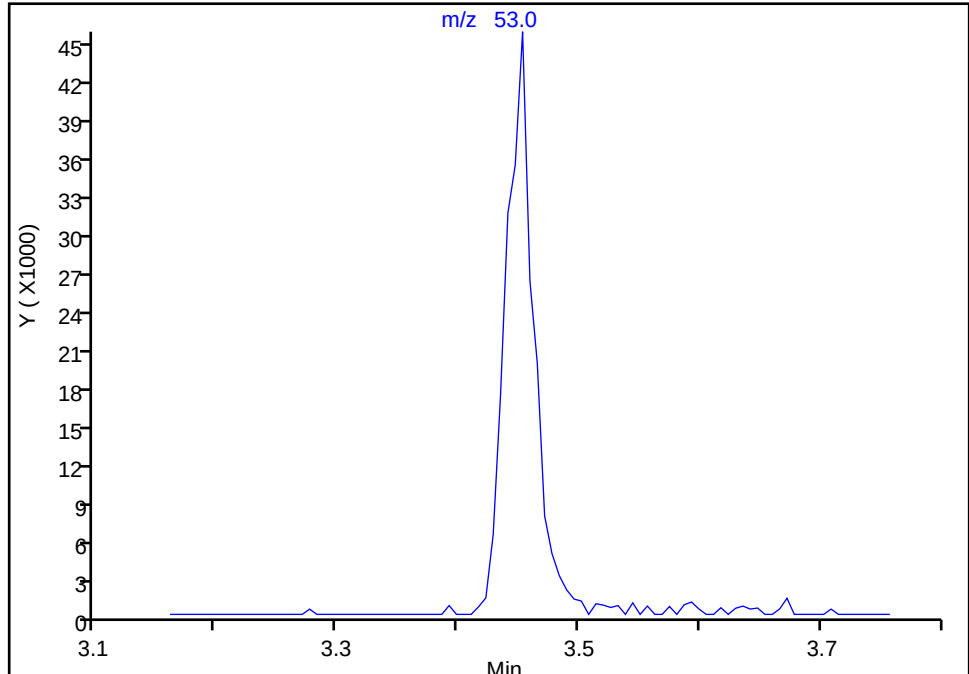
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Injection Date: 26-Aug-2021 13:03:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

34 Acrylonitrile, CAS: 107-13-1

Signal: 1

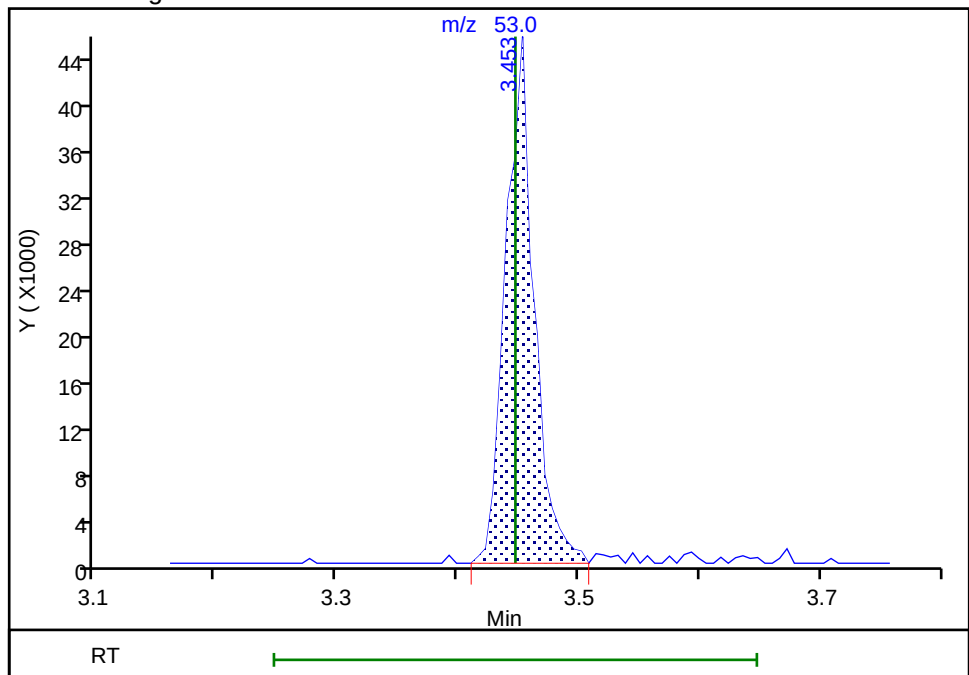
Not Detected
Expected RT: 3.45

Processing Integration Results



RT: 3.45
Area: 74161
Amount: 10.379282
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:39:21
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

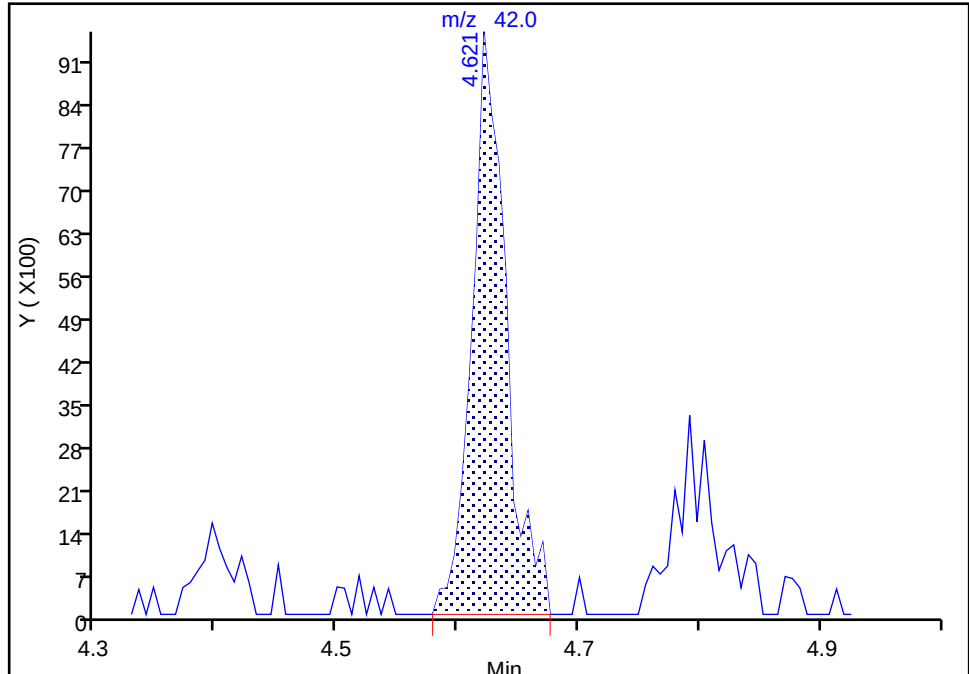
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Injection Date: 26-Aug-2021 13:03:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

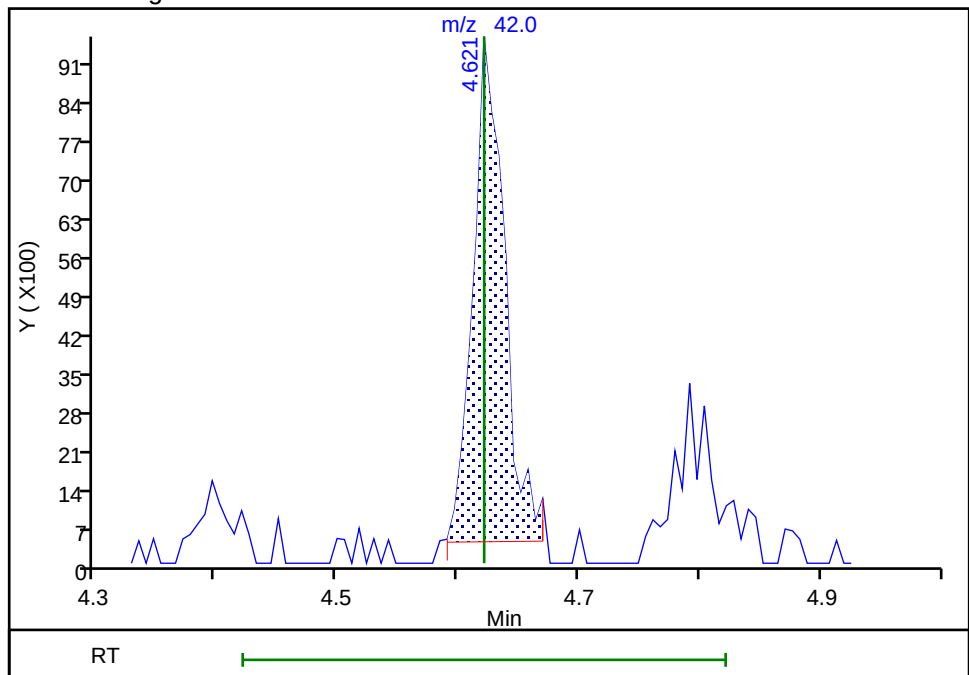
RT: 4.62
Area: 18712
Amount: 2.800424
Amount Units: ug/L

Processing Integration Results



RT: 4.62
Area: 16562
Amount: 2.536964
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 27-Aug-2021 09:41:04
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 391 of 624

Eurofins TestAmerica, Buffalo

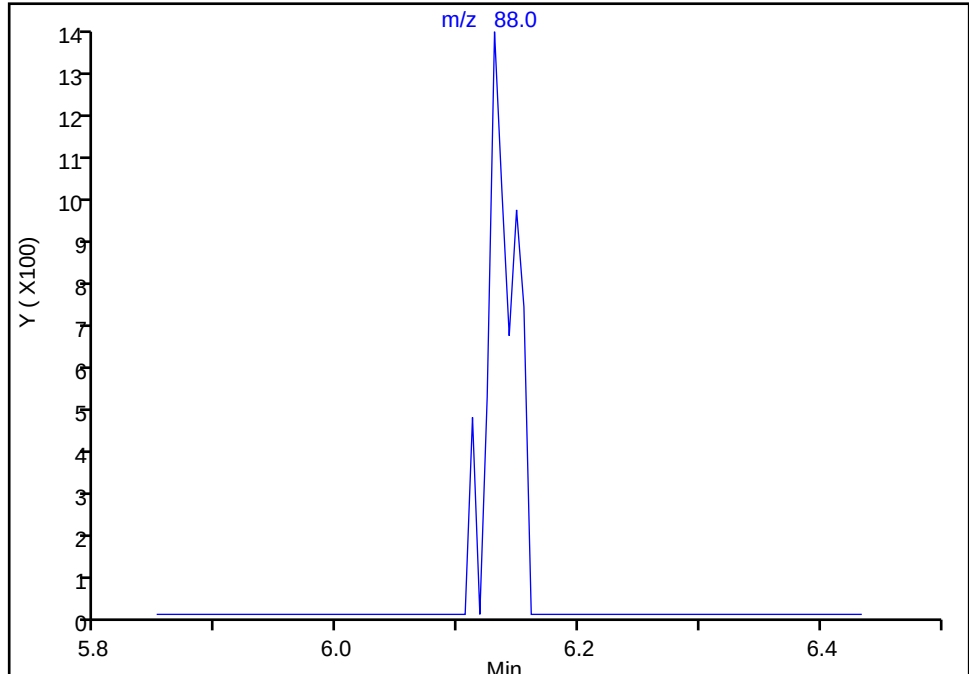
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Injection Date: 26-Aug-2021 13:03:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

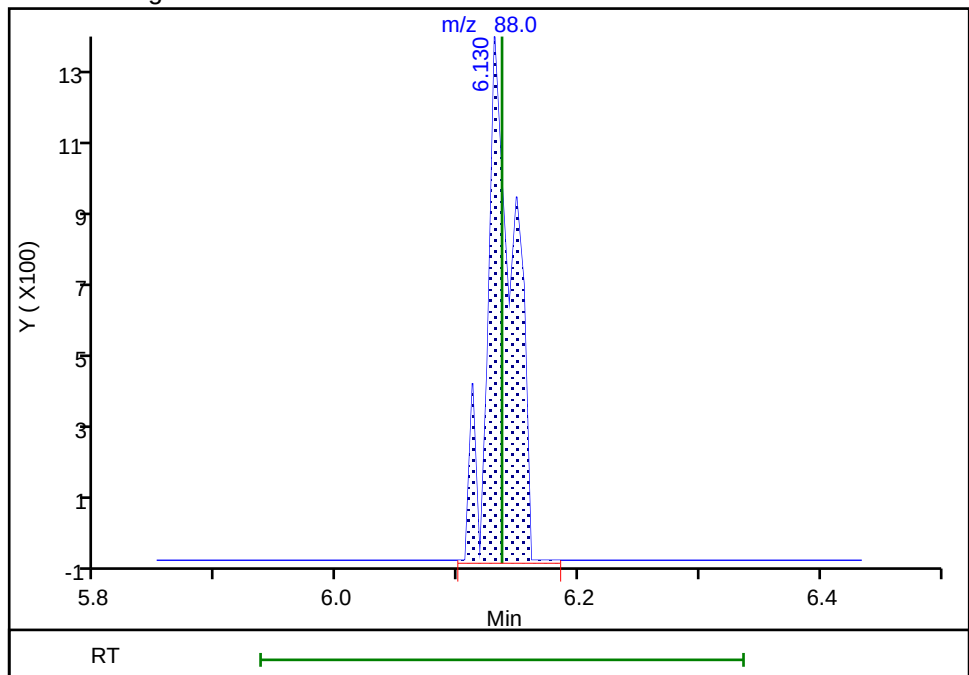
Not Detected
Expected RT: 6.14

Processing Integration Results



RT: 6.13
Area: 2148
Amount: 22.145063
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 27-Aug-2021 09:41:15
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 392 of 624

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5353.D

Injection Date: 26-Aug-2021 13:03:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

8

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

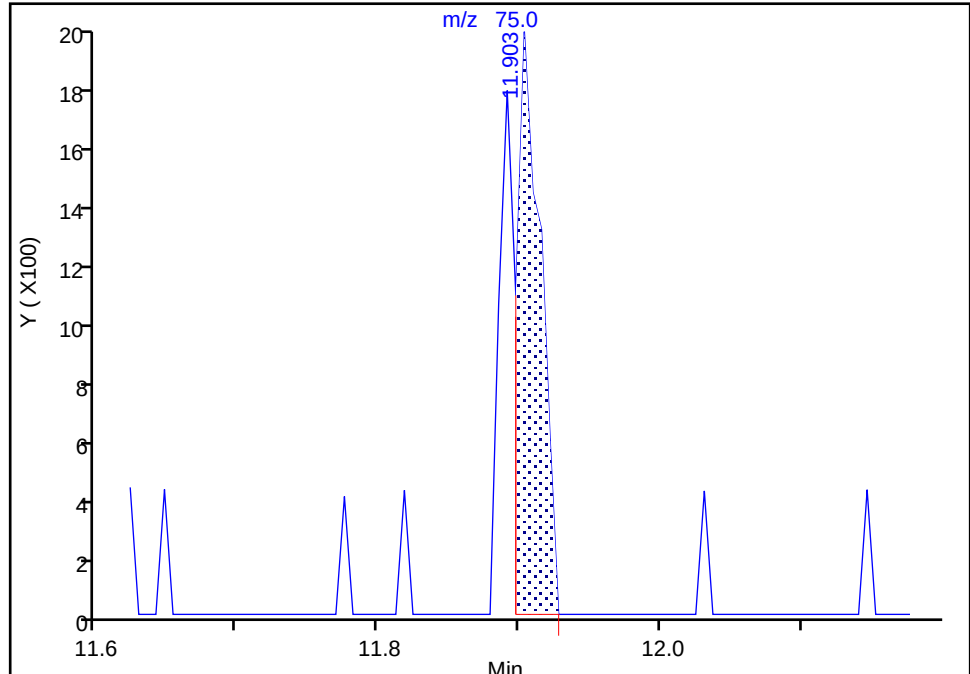
MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

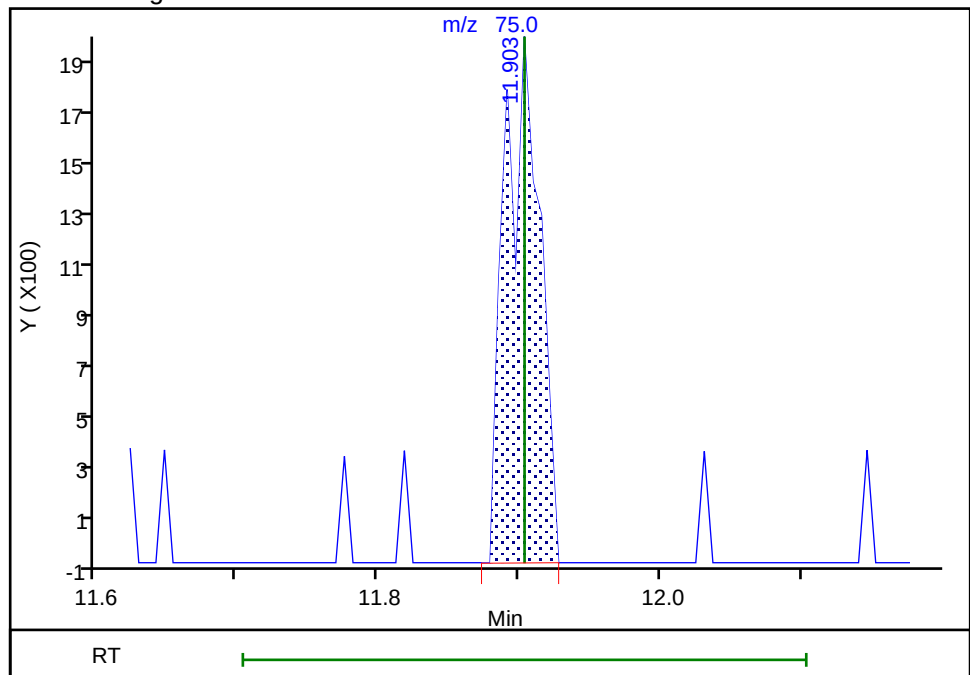
RT: 11.90
Area: 2340
Amount: 0.884539
Amount Units: ug/L

Processing Integration Results



RT: 11.90
Area: 3380
Amount: 1.337675
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:40:06

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5354.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 26-Aug-2021 13:26:30 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0100628-009
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 27-Aug-2021 10:04:40 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: HillL

Date: 26-Aug-2021 15:28:15

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	5.412	5.412	0.000	98	154248	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.405	0.000	89	534522	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	96	304029	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.828	0.006	93	204371	25.0	25.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.138	5.139	-0.001	96	253544	25.0	24.9	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.915	0.006	96	674631	25.0	25.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	93	208973	25.0	25.6	
11 Dichlorodifluoromethane	85	1.275	1.275	0.000	98	15387	2.00	2.05	a
13 Chloromethane	50	1.446	1.446	0.000	99	36723	2.00	2.03	
14 Vinyl chloride	62	1.543	1.543	0.000	51	22417	2.00	1.94	
144 Butadiene	54	1.549	1.549	0.000	97	30379	2.00	2.05	
15 Bromomethane	94	1.835	1.853	-0.018	81	12766	2.00	2.04	
16 Chloroethane	64	1.932	1.926	0.006	93	16908	2.00	2.21	
17 Dichlorofluoromethane	67	2.145	2.152	-0.007	94	28824	2.00	1.96	
18 Trichlorofluoromethane	101	2.164	2.164	0.000	68	23782	2.00	2.09	
19 Ethyl ether	59	2.437	2.437	0.000	90	20621	2.00	1.92	
20 Acrolein	56	2.620	2.614	0.006	29	5581	10.0	9.19	M
21 112TCTFE	101	2.644	2.644	0.000	67	13464	2.00	1.98	
22 1,1-Dichloroethene	96	2.650	2.656	-0.006	93	14977	2.00	2.06	
23 Acetone	43	2.778	2.772	0.006	96	56549	10.0	11.3	M
24 Iodomethane	142	2.821	2.827	-0.006	74	25332	2.00	2.01	
25 Carbon disulfide	76	2.857	2.857	0.000	99	46414	2.00	2.06	
27 3-Chloro-1-propene	41	3.021	3.015	0.006	87	51231	2.00	2.00	
28 Methyl acetate	43	3.070	3.070	0.000	100	56658	4.00	3.79	
30 Methylene Chloride	84	3.167	3.167	0.000	88	20299	2.00	2.04	
31 2-Methyl-2-propanol	59	3.344	3.344	0.000	94	32433	20.0	22.1	
32 Methyl tert-butyl ether	73	3.380	3.374	0.006	96	50743	2.00	1.87	
33 trans-1,2-Dichloroethene	96	3.386	3.393	-0.007	75	17009	2.00	2.08	
34 Acrylonitrile	53	3.447	3.447	0.000	93	147477	20.0	20.5	
35 Hexane	57	3.581	3.587	-0.006	94	33935	2.00	1.96	

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	3.812	3.806	0.006	95	36768	2.00	2.05	
39 Vinyl acetate	43	3.861	3.867	-0.006	97	142884	4.00	3.82	
42 2,2-Dichloropropane	77	4.335	4.323	0.012	77	16418	2.00	2.21	
43 cis-1,2-Dichloroethene	96	4.372	4.360	0.012	84	21013	2.00	2.28	
44 2-Butanone (MEK)	43	4.402	4.402	0.000	96	93994	10.0	10.3	
47 Chlorobromomethane	128	4.597	4.597	0.000	86	10615	2.00	2.16	
49 Tetrahydrofuran	42	4.621	4.621	0.000	93	25701	4.00	3.92	
50 Chloroform	83	4.676	4.676	0.000	95	29547	2.00	2.01	
51 1,1,1-Trichloroethane	97	4.786	4.786	0.000	73	23362	2.00	1.98	
52 Cyclohexane	56	4.798	4.792	0.006	92	38727	2.00	1.81	
53 Carbon tetrachloride	117	4.926	4.920	0.006	92	21346	2.00	1.96	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	81	20901	2.00	1.92	
55 Benzene	78	5.145	5.139	0.006	49	66576	2.00	2.03	
56 Isobutyl alcohol	43	5.175	5.169	0.006	94	50639	50.0	51.6	
57 1,2-Dichloroethane	62	5.211	5.212	-0.001	94	28199	2.00	1.88	
59 n-Heptane	43	5.321	5.321	0.000	91	43733	2.00	1.92	
60 Trichloroethene	95	5.747	5.747	0.000	92	15663	2.00	1.96	
62 Methylcyclohexane	83	5.869	5.869	0.000	93	26133	2.00	1.90	
63 1,2-Dichloropropane	63	5.996	5.990	0.006	89	19991	2.00	1.98	
64 Dibromomethane	93	6.124	6.130	-0.006	92	12009	2.00	2.17	M
66 1,4-Dioxane	88	6.142	6.136	0.006	47	4689	40.0	49.9	
67 Dichlorobromomethane	83	6.282	6.282	0.000	89	20208	2.00	1.92	
69 2-Chloroethyl vinyl ether	63	6.562	6.562	0.000	79	11931	2.00	1.88	
71 cis-1,3-Dichloropropene	75	6.696	6.696	0.000	84	25189	2.00	1.94	
72 4-Methyl-2-pentanone (MIBK)	58	6.848	6.842	0.006	97	54110	10.0	9.87	
73 Toluene	92	6.988	6.982	0.006	96	37908	2.00	1.95	
75 trans-1,3-Dichloropropene	75	7.262	7.268	-0.006	94	23684	2.00	2.06	
77 Ethyl methacrylate	69	7.316	7.316	0.000	85	18393	2.00	1.89	
78 1,1,2-Trichloroethane	83	7.456	7.456	0.000	89	12368	2.00	2.21	
79 Tetrachloroethene	166	7.511	7.517	-0.006	92	16508	2.00	2.10	
80 1,3-Dichloropropane	76	7.621	7.621	0.000	89	21755	2.00	1.97	
82 2-Hexanone	43	7.688	7.688	0.000	99	100463	10.0	9.30	
83 Chlorodibromomethane	129	7.852	7.852	0.000	82	15016	2.00	2.04	
84 Ethylene Dibromide	107	7.955	7.955	0.000	97	13489	2.00	1.95	
85 Chlorobenzene	112	8.430	8.430	0.000	93	41150	2.00	1.95	
88 Ethylbenzene	91	8.521	8.521	0.000	97	72590	2.00	2.05	
89 1,1,1,2-Tetrachloroethane	131	8.527	8.533	-0.006	45	16315	2.00	2.05	
90 m-Xylene & p-Xylene	106	8.649	8.649	0.000	97	27747	2.00	2.05	
91 o-Xylene	106	9.075	9.075	0.000	97	24743	2.00	1.90	
92 Styrene	104	9.105	9.105	0.000	92	43784	2.00	1.96	
93 Bromoform	173	9.354	9.354	0.000	94	9205	2.00	1.77	
95 Isopropylbenzene	105	9.458	9.458	0.000	96	69304	2.00	1.85	
97 Bromobenzene	156	9.805	9.805	0.000	84	18128	2.00	1.92	
98 1,1,2,2-Tetrachloroethane	83	9.865	9.866	-0.001	93	18904	2.00	1.88	
100 N-Propylbenzene	91	9.890	9.884	0.006	98	80049	2.00	1.82	
99 1,2,3-Trichloropropane	110	9.896	9.896	0.000	83	5364	2.00	1.81	
101 trans-1,4-Dichloro-2-butene	53	9.914	9.914	0.000	81	10208	2.00	1.92	
102 2-Chlorotoluene	126	9.993	9.987	0.006	94	17156	2.00	1.99	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	95	55870	2.00	1.85	
105 4-Chlorotoluene	91	10.103	10.103	0.000	98	55532	2.00	2.01	
106 tert-Butylbenzene	134	10.383	10.383	0.000	92	12033	2.00	1.77	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	97	59751	2.00	1.93	

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	10.595	10.596	-0.001	95	66028	2.00	1.70	
110 1,3-Dichlorobenzene	146	10.735	10.729	0.006	74	35389	2.00	1.96	
111 4-Isopropyltoluene	119	10.735	10.735	0.000	98	63416	2.00	1.81	
113 1,4-Dichlorobenzene	146	10.821	10.821	0.000	94	37522	2.00	2.02	
115 n-Butylbenzene	91	11.119	11.119	0.000	98	62452	2.00	2.04	
116 1,2-Dichlorobenzene	146	11.167	11.167	0.000	95	36430	2.00	2.00	
117 1,2-Dibromo-3-Chloropropane	75	11.903	11.904	-0.001	78	4040	2.00	1.64	
119 1,2,4-Trichlorobenzene	180	12.579	12.579	0.000	95	26782	2.00	2.04	
120 Hexachlorobutadiene	225	12.694	12.688	0.006	85	11676	2.00	1.87	
121 Naphthalene	128	12.792	12.792	0.000	98	70475	2.00	1.93	
122 1,2,3-Trichlorobenzene	180	12.992	12.992	0.000	91	24425	2.00	1.88	
S 123 1,3-Dichloropropene, Total	1				0			4.01	
S 124 1,2-Dichloroethene, Total	1				0			4.36	
S 126 Xylenes, Total	1				0			3.95	
S 125 Total BTEX	1				0			9.98	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00212

Amount Added: 2.00

Units: uL

GAS CORP mix_00469

Amount Added: 2.00

Units: uL

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5354.D

Injection Date: 26-Aug-2021 13:26:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 2

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

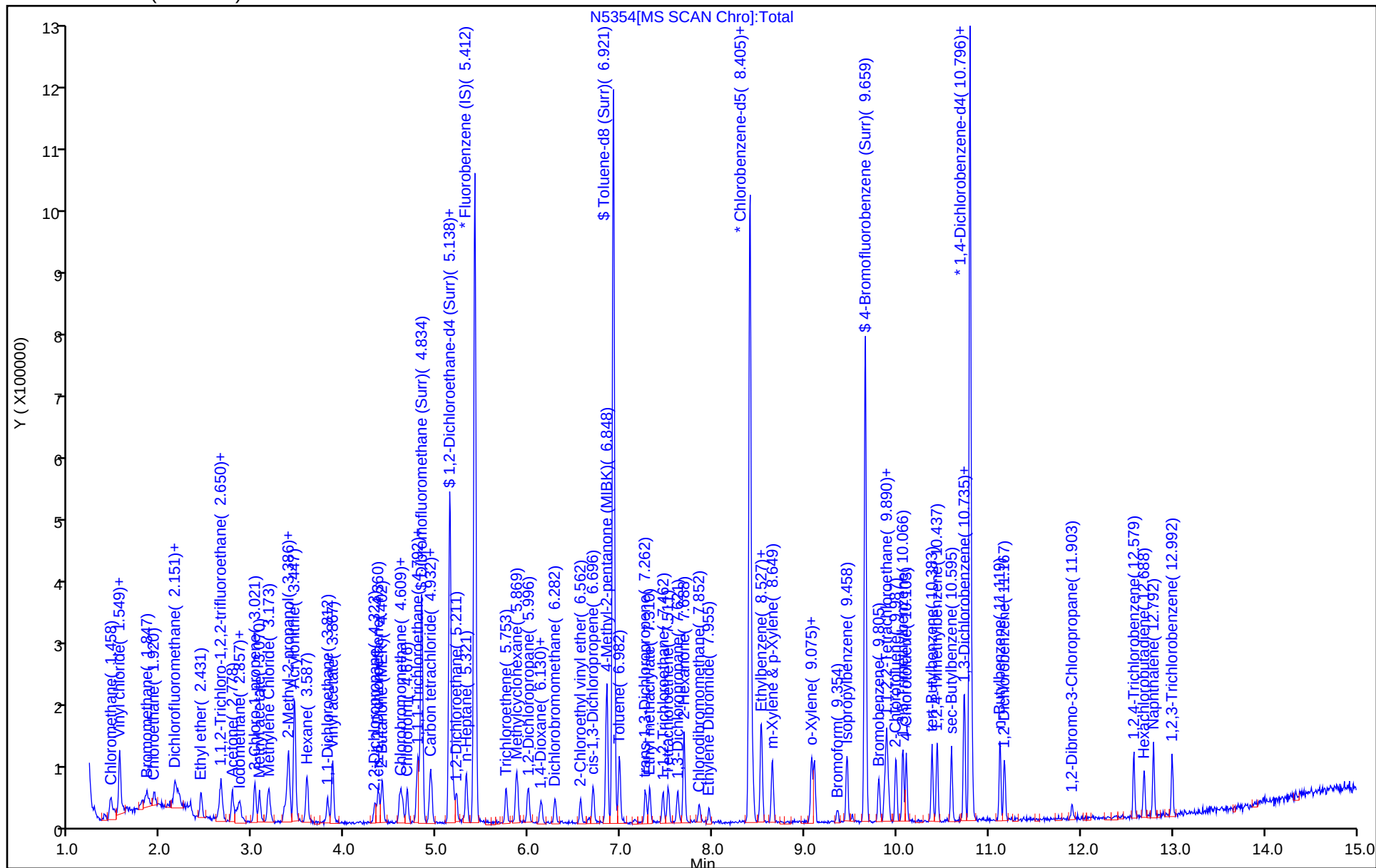
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5354.D

Injection Date: 26-Aug-2021 13:26:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

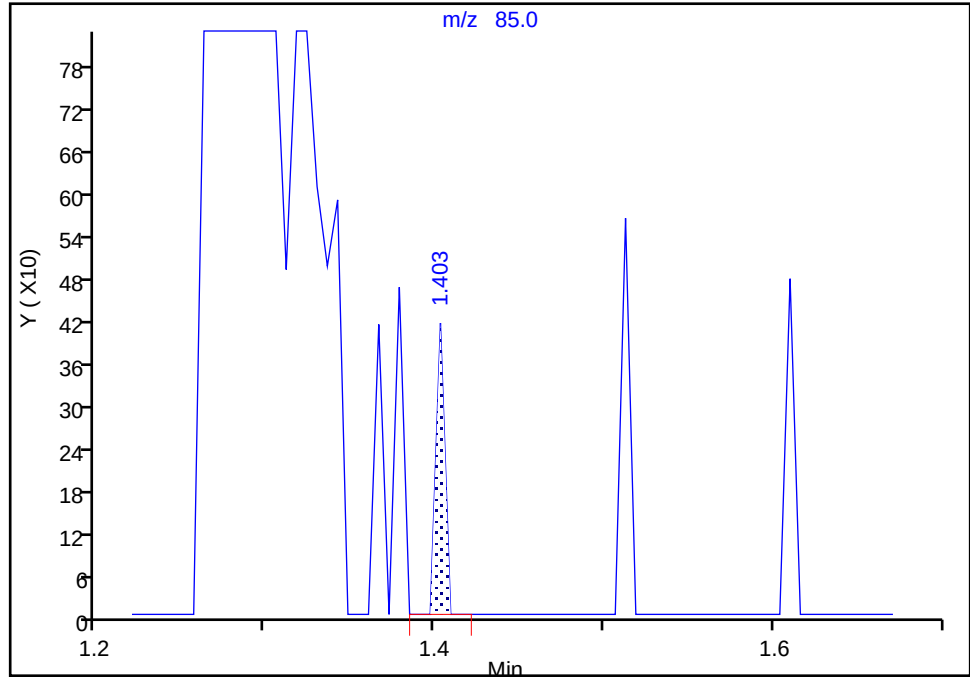
MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

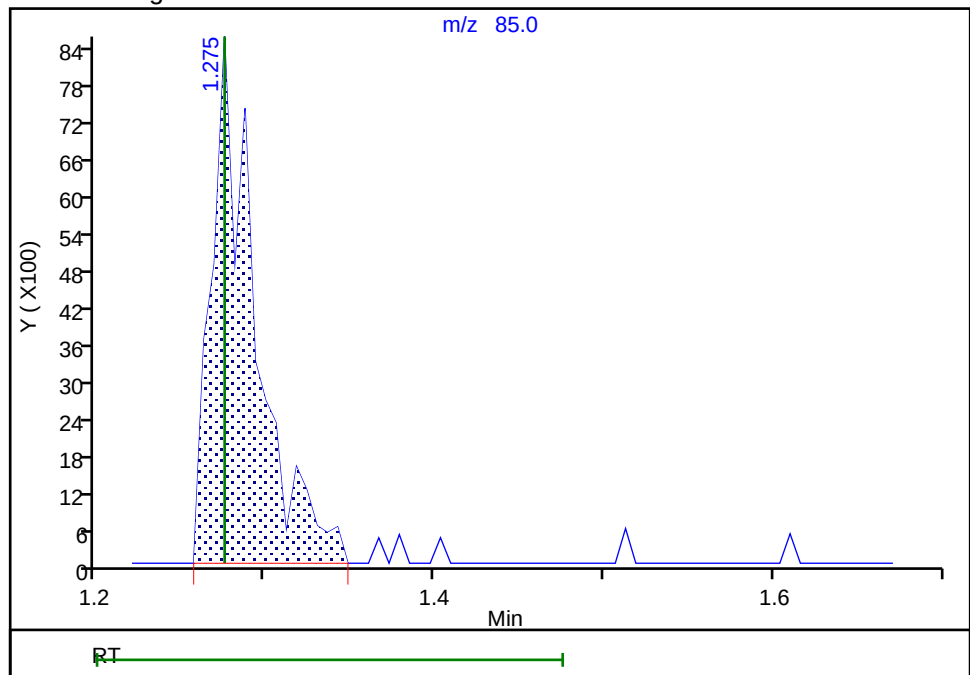
RT: 1.40
Area: 151
Amount: 0.028587
Amount Units: ug/L

Processing Integration Results



RT: 1.28
Area: 15387
Amount: 2.045803
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:57:37

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

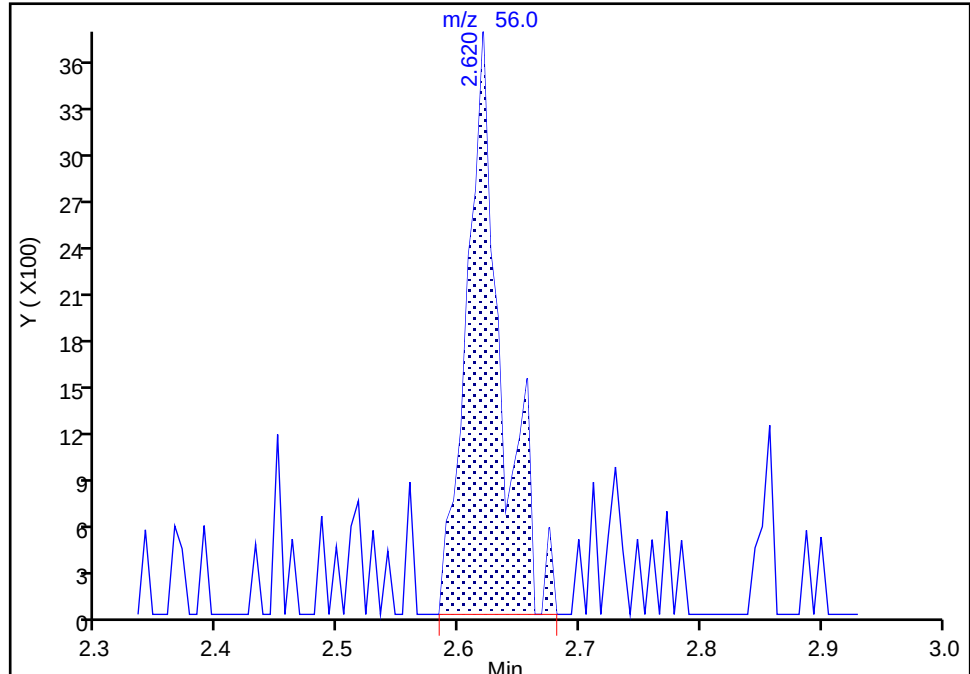
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Injection Date: 26-Aug-2021 13:26:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

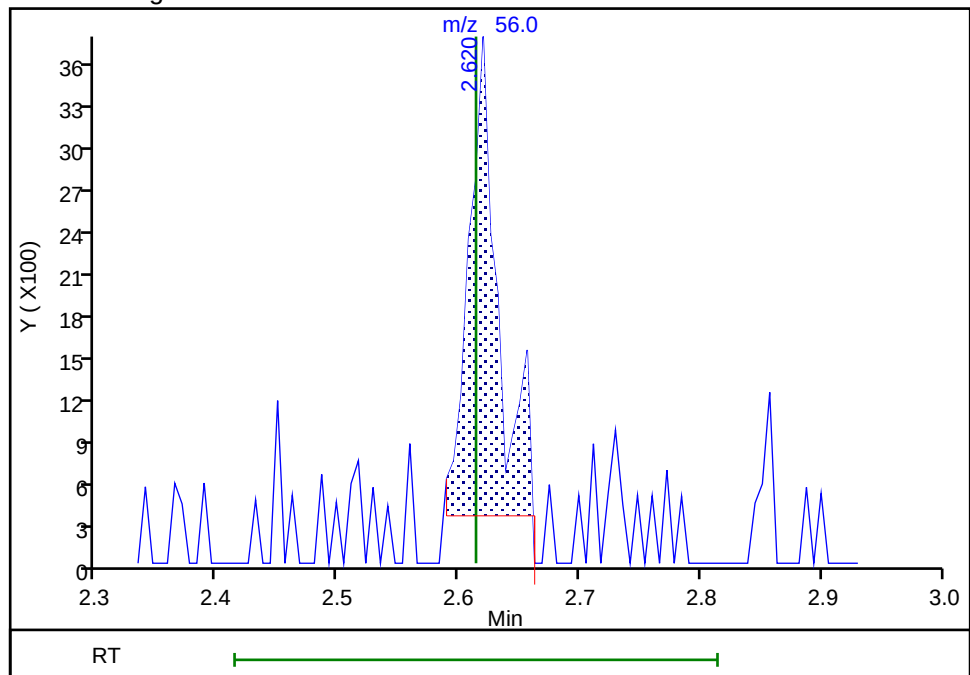
RT: 2.62
Area: 7373
Amount: 11.580181
Amount Units: ug/L

Processing Integration Results



RT: 2.62
Area: 5581
Amount: 9.186159
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 27-Aug-2021 09:33:19
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 399 of 624

Eurofins TestAmerica, Buffalo

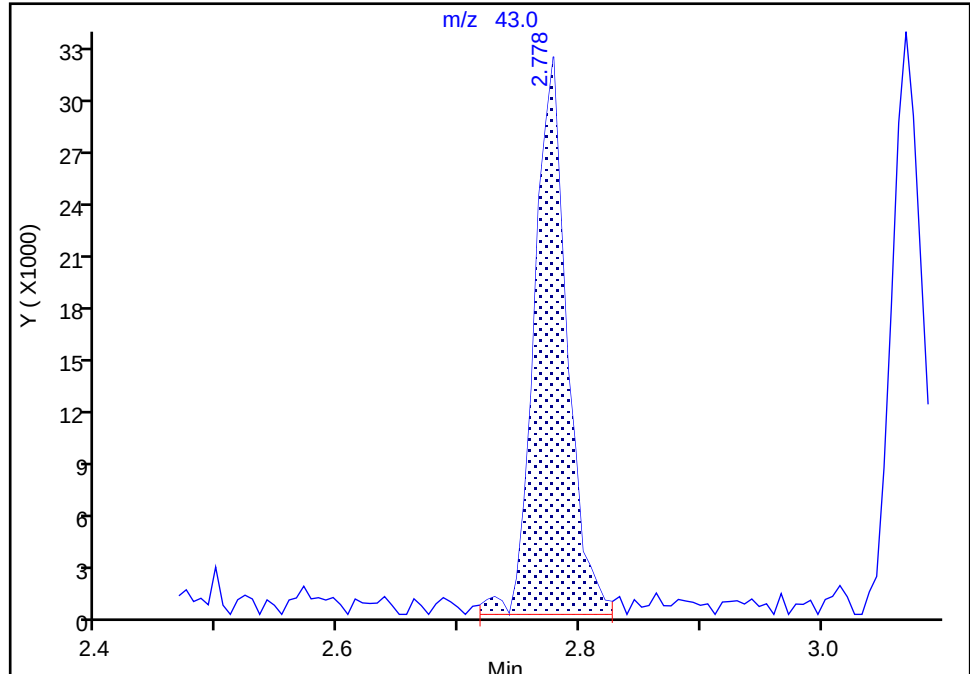
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Injection Date: 26-Aug-2021 13:26:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

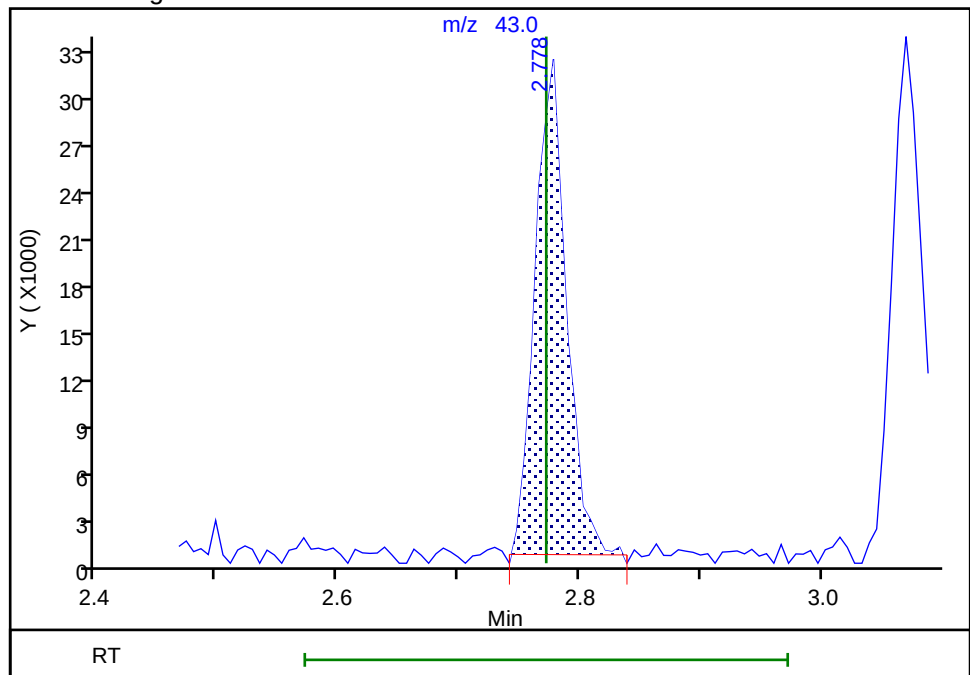
RT: 2.78
Area: 60745
Amount: 12.086447
Amount Units: ug/L

Processing Integration Results



RT: 2.78
Area: 56549
Amount: 11.252977
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 27-Aug-2021 09:38:37

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5354.D

Injection Date: 26-Aug-2021 13:26:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

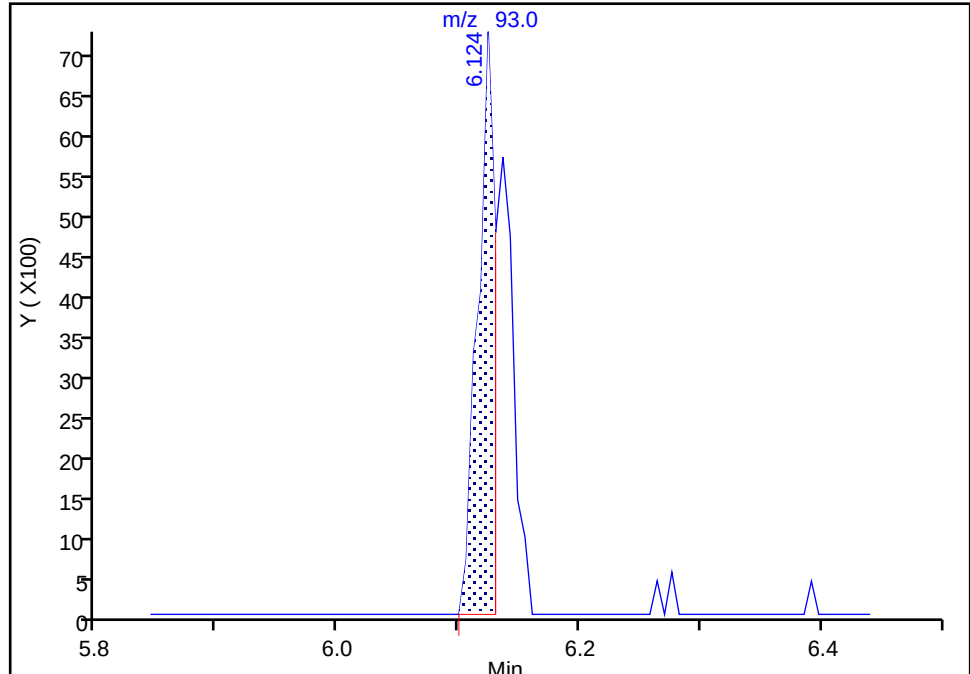
Detector: MS SCAN

64 Dibromomethane, CAS: 74-95-3

Signal: 1

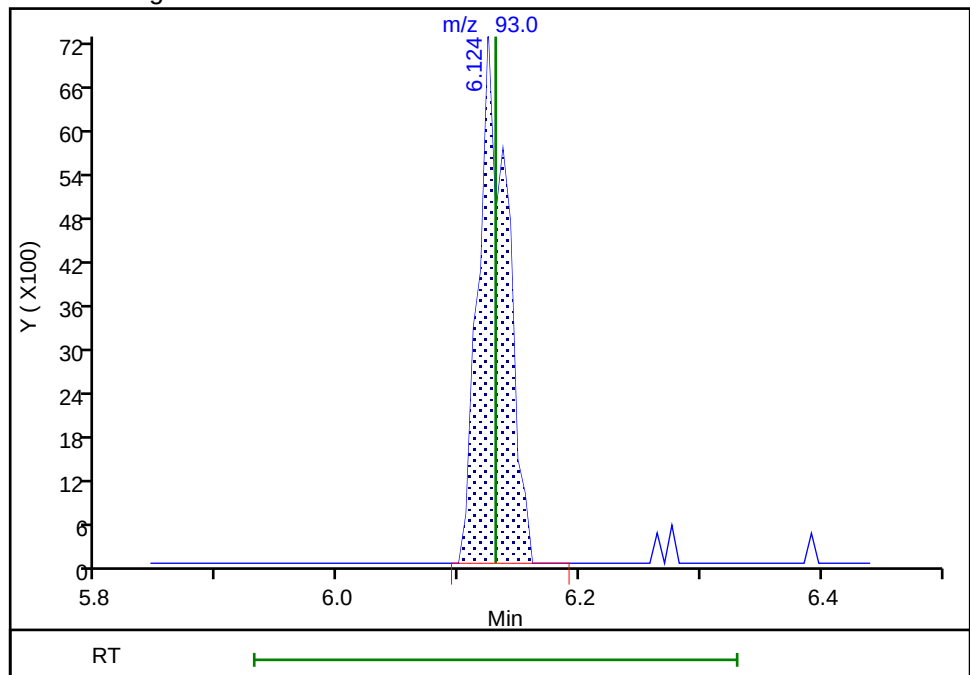
RT: 6.12
Area: 7326
Amount: 1.508246
Amount Units: ug/L

Processing Integration Results



RT: 6.12
Area: 12009
Amount: 2.168601
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:58:00

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5355.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 26-Aug-2021 13:49:30 ALS Bottle#: 10 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0100628-010
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 27-Aug-2021 10:04:43 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: HillL

Date: 26-Aug-2021 15:28:59

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	5.412	5.412	0.000	98	162877	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.399	8.399	0.000	89	596868	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	96	323536	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	93	198563	25.0	23.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.145	5.145	0.000	93	267269	25.0	24.9	
\$ 6 Toluene-d8 (Surr)	98	6.915	6.915	0.000	95	746155	25.0	25.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	90	223421	25.0	24.5	
11 Dichlorodifluoromethane	85	1.282	1.282	0.000	98	38562	5.00	4.86	a
13 Chloromethane	50	1.452	1.452	0.000	99	92582	5.00	4.86	
14 Vinyl chloride	62	1.543	1.543	0.000	82	60587	5.00	4.96	
144 Butadiene	54	1.555	1.555	0.000	94	76831	5.00	4.91	
15 Bromomethane	94	1.841	1.841	0.000	90	35881	5.00	5.42	
16 Chloroethane	64	1.933	1.933	0.000	94	39387	5.00	4.87	
17 Dichlorofluoromethane	67	2.152	2.152	0.000	95	74895	5.00	4.82	
18 Trichlorofluoromethane	101	2.164	2.164	0.000	66	61177	5.00	5.10	
19 Ethyl ether	59	2.437	2.437	0.000	94	57333	5.00	5.07	
20 Acrolein	56	2.620	2.620	0.000	93	16280	25.0	25.4	M
21 112TCTFE	101	2.644	2.644	0.000	88	34536	5.00	4.80	
22 1,1-Dichloroethene	96	2.663	2.663	0.000	91	39040	5.00	5.10	
23 Acetone	43	2.772	2.772	0.000	99	138978	25.0	26.2	
24 Iodomethane	142	2.827	2.827	0.000	98	68651	5.00	5.17	
25 Carbon disulfide	76	2.857	2.857	0.000	98	109615	5.00	4.61	
27 3-Chloro-1-propene	41	3.021	3.021	0.000	89	131867	5.00	4.87	
28 Methyl acetate	43	3.070	3.070	0.000	100	156425	10.0	9.91	
30 Methylene Chloride	84	3.174	3.174	0.000	88	45121	5.00	4.86	
31 2-Methyl-2-propanol	59	3.350	3.350	0.000	95	80760	50.0	52.2	
32 Methyl tert-butyl ether	73	3.374	3.374	0.000	92	141420	5.00	4.94	
33 trans-1,2-Dichloroethene	96	3.393	3.393	0.000	91	43653	5.00	5.06	
34 Acrylonitrile	53	3.453	3.453	0.000	99	394177	50.0	52.0	
35 Hexane	57	3.587	3.587	0.000	95	94002	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	3.812	3.812	0.000	96	96340	5.00	5.08	
39 Vinyl acetate	43	3.867	3.867	0.000	97	388609	10.0	9.83	
42 2,2-Dichloropropane	77	4.323	4.323	0.000	91	40381	5.00	5.15	
43 cis-1,2-Dichloroethene	96	4.366	4.366	0.000	85	49056	5.00	5.04	
44 2-Butanone (MEK)	43	4.402	4.402	0.000	97	242976	25.0	25.2	
47 Chlorobromomethane	128	4.603	4.603	0.000	84	24114	5.00	4.64	
49 Tetrahydrofuran	42	4.621	4.621	0.000	94	73287	10.0	10.6	
50 Chloroform	83	4.682	4.682	0.000	95	76002	5.00	4.90	
51 1,1,1-Trichloroethane	97	4.786	4.786	0.000	78	64559	5.00	5.18	
52 Cyclohexane	56	4.798	4.798	0.000	94	110619	5.00	4.90	
53 Carbon tetrachloride	117	4.926	4.926	0.000	95	54261	5.00	4.71	
54 1,1-Dichloropropene	75	4.932	4.932	0.000	82	59056	5.00	5.15	
55 Benzene	78	5.139	5.139	0.000	71	179615	5.00	5.18	
56 Isobutyl alcohol	43	5.175	5.175	0.000	92	144823	125.0	139.9	
57 1,2-Dichloroethane	62	5.205	5.205	0.000	93	78101	5.00	4.94	
59 n-Heptane	43	5.321	5.321	0.000	95	126622	5.00	5.25	
60 Trichloroethene	95	5.747	5.747	0.000	95	44622	5.00	5.28	
62 Methylcyclohexane	83	5.869	5.869	0.000	92	70194	5.00	4.83	
63 1,2-Dichloropropane	63	5.990	5.990	0.000	90	56471	5.00	5.30	
64 Dibromomethane	93	6.130	6.130	0.000	93	28789	5.00	4.92	
66 1,4-Dioxane	88	6.142	6.142	0.000	36	10196	100.0	97.2	M
67 Dichlorobromomethane	83	6.282	6.282	0.000	90	56337	5.00	5.07	
69 2-Chloroethyl vinyl ether	63	6.556	6.556	0.000	83	36149	5.00	5.39	
71 cis-1,3-Dichloropropene	75	6.702	6.702	0.000	82	68881	5.00	5.03	
72 4-Methyl-2-pentanone (MIBK)	58	6.848	6.848	0.000	98	155629	25.0	25.4	
73 Toluene	92	6.982	6.982	0.000	98	115477	5.00	5.33	
75 trans-1,3-Dichloropropene	75	7.268	7.268	0.000	95	67890	5.00	5.30	
77 Ethyl methacrylate	69	7.316	7.316	0.000	88	56505	5.00	5.20	
78 1,1,2-Trichloroethane	83	7.462	7.462	0.000	94	35000	5.00	5.59	
79 Tetrachloroethene	166	7.517	7.517	0.000	89	44768	5.00	5.09	
80 1,3-Dichloropropane	76	7.615	7.615	0.000	90	68099	5.00	5.51	
82 2-Hexanone	43	7.688	7.688	0.000	98	295861	25.0	24.5	
83 Chlorodibromomethane	129	7.852	7.852	0.000	89	39857	5.00	4.86	
84 Ethylene Dibromide	107	7.961	7.961	0.000	96	39714	5.00	5.14	
85 Chlorobenzene	112	8.430	8.430	0.000	95	125750	5.00	5.35	
88 Ethylbenzene	91	8.521	8.521	0.000	98	200412	5.00	5.07	
89 1,1,1,2-Tetrachloroethane	131	8.533	8.533	0.000	89	48361	5.00	5.44	
90 m-Xylene & p-Xylene	106	8.643	8.643	0.000	97	80486	5.00	5.33	
91 o-Xylene	106	9.075	9.075	0.000	96	74369	5.00	5.11	
92 Styrene	104	9.105	9.105	0.000	93	121504	5.00	4.88	
93 Bromoform	173	9.361	9.361	0.000	92	28805	5.00	4.95	
95 Isopropylbenzene	105	9.458	9.458	0.000	96	205960	5.00	5.17	
97 Bromobenzene	156	9.805	9.805	0.000	87	49996	5.00	4.99	
98 1,1,2,2-Tetrachloroethane	83	9.866	9.866	0.000	93	54222	5.00	5.07	
100 N-Propylbenzene	91	9.890	9.890	0.000	99	233107	5.00	4.98	
99 1,2,3-Trichloropropane	110	9.902	9.902	0.000	66	16802	5.00	5.32	
101 trans-1,4-Dichloro-2-butene	53	9.908	9.908	0.000	72	28105	5.00	4.98	
102 2-Chlorotoluene	126	9.987	9.987	0.000	96	48919	5.00	5.33	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	96	169789	5.00	5.27	
105 4-Chlorotoluene	91	10.103	10.103	0.000	97	150603	5.00	5.13	
106 tert-Butylbenzene	134	10.389	10.389	0.000	96	38832	5.00	5.37	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	98	166448	5.00	5.05	

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	10.596	10.596	0.000	95	215998	5.00	5.24	
110 1,3-Dichlorobenzene	146	10.729	10.729	0.000	97	100813	5.00	5.24	
111 4-Isopropyltoluene	119	10.735	10.735	0.000	97	189163	5.00	5.08	
113 1,4-Dichlorobenzene	146	10.821	10.821	0.000	95	101022	5.00	5.10	
115 n-Butylbenzene	91	11.119	11.119	0.000	97	165823	5.00	5.08	
116 1,2-Dichlorobenzene	146	11.173	11.173	0.000	96	102831	5.00	5.30	
117 1,2-Dibromo-3-Chloropropane	75	11.910	11.910	0.000	78	13446	5.00	5.12	
119 1,2,4-Trichlorobenzene	180	12.579	12.579	0.000	93	73904	5.00	5.28	
120 Hexachlorobutadiene	225	12.688	12.688	0.000	92	34713	5.00	5.22	
121 Naphthalene	128	12.792	12.792	0.000	97	201446	5.00	5.20	
122 1,2,3-Trichlorobenzene	180	12.992	12.992	0.000	96	72430	5.00	5.25	
S 123 1,3-Dichloropropene, Total	1				0			10.3	
S 124 1,2-Dichloroethene, Total	1				0			10.1	
S 126 Xylenes, Total	1				0			10.4	
S 125 Total BTEX	1				0			26.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00212

Amount Added: 5.00

Units: uL

GAS CORP mix_00469

Amount Added: 5.00

Units: uL

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 27-Aug-2021 10:04:45

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5355.D

Injection Date: 26-Aug-2021 13:49:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 3

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

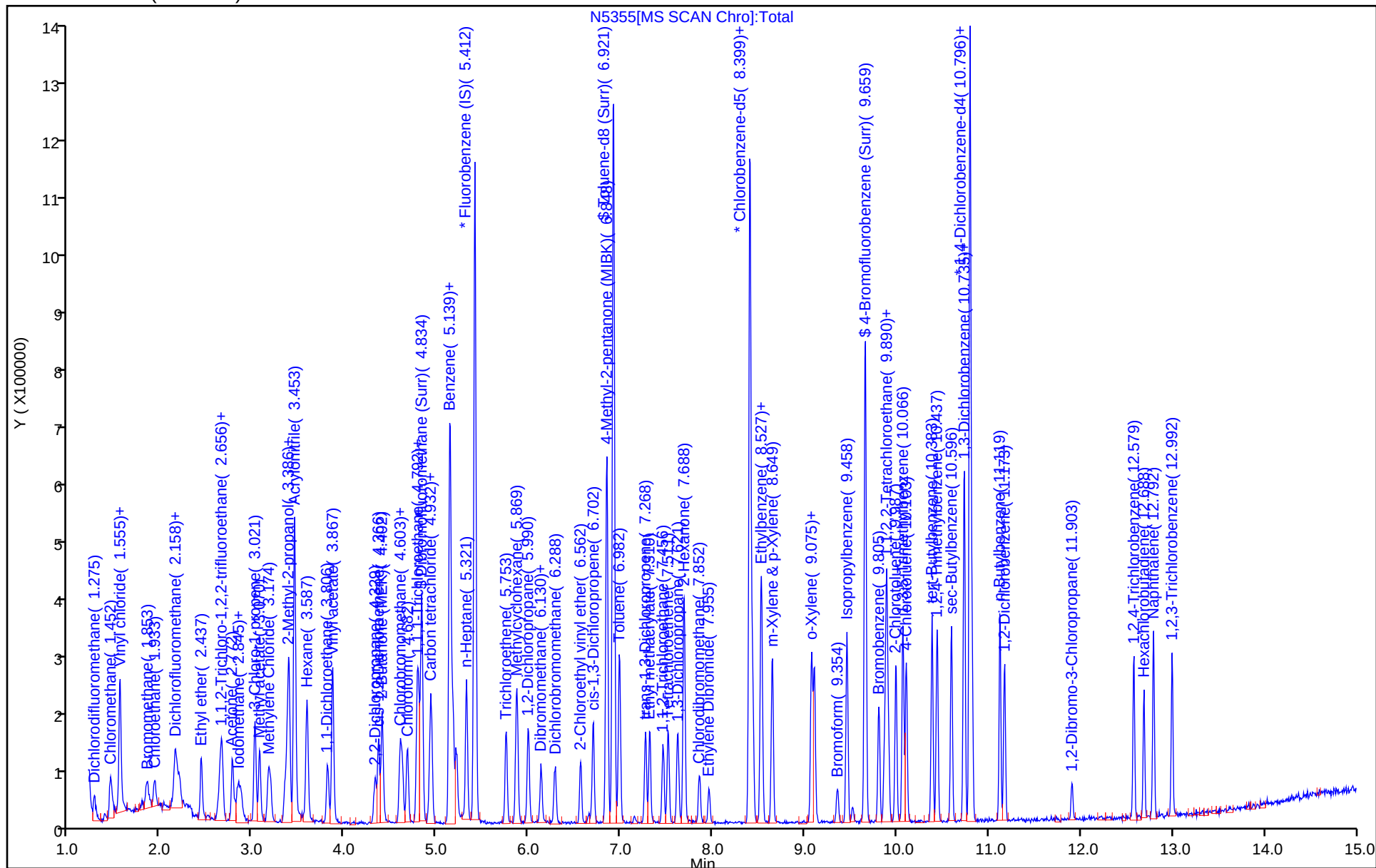
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5355.D

Injection Date: 26-Aug-2021 13:49:30

Instrument ID: HP5973N

Lims ID: IC 3

Client ID:

Operator ID: LH

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

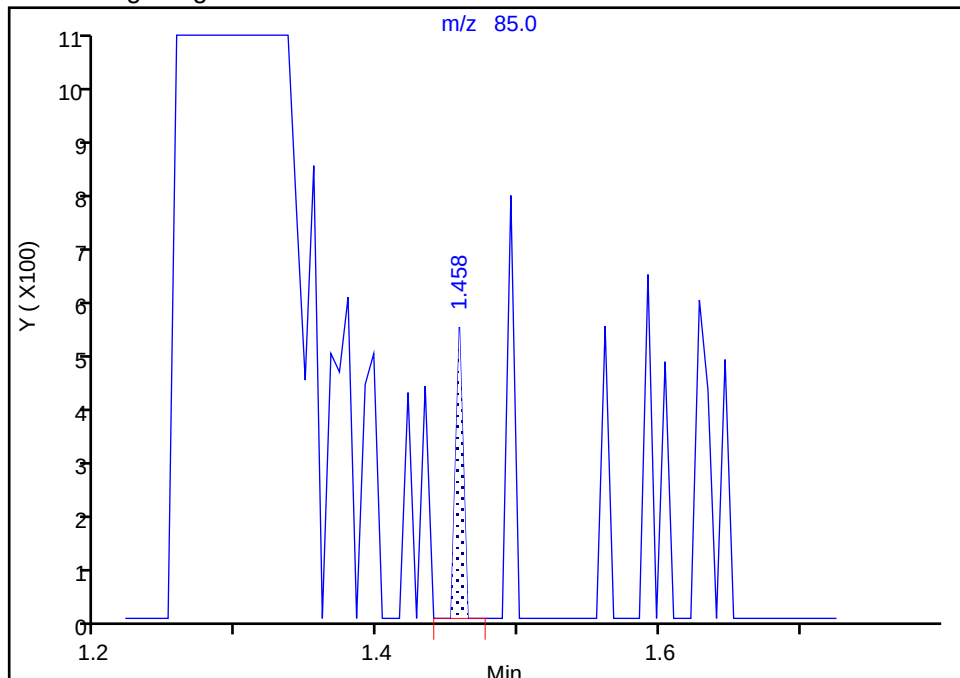
Detector: MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

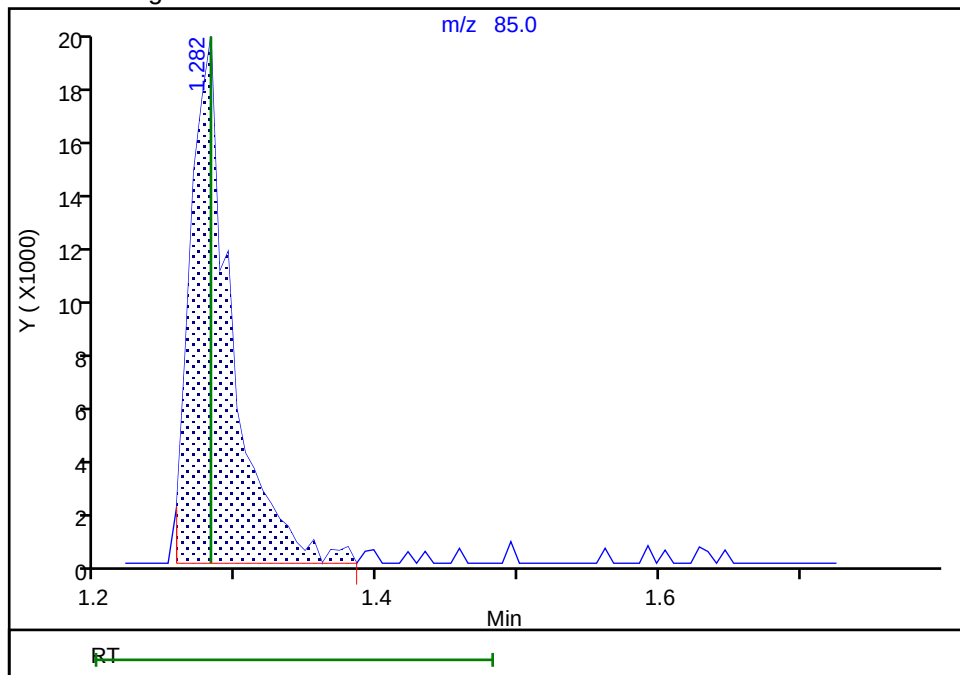
RT: 1.46
Area: 196
Amount: 0.031593
Amount Units: ug/L

Processing Integration Results



RT: 1.28
Area: 38562
Amount: 4.855446
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 15:28:27

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5355.D

Injection Date: 26-Aug-2021 13:49:30

Instrument ID: HP5973N

Lims ID: IC 3

Client ID:

Operator ID: LH

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

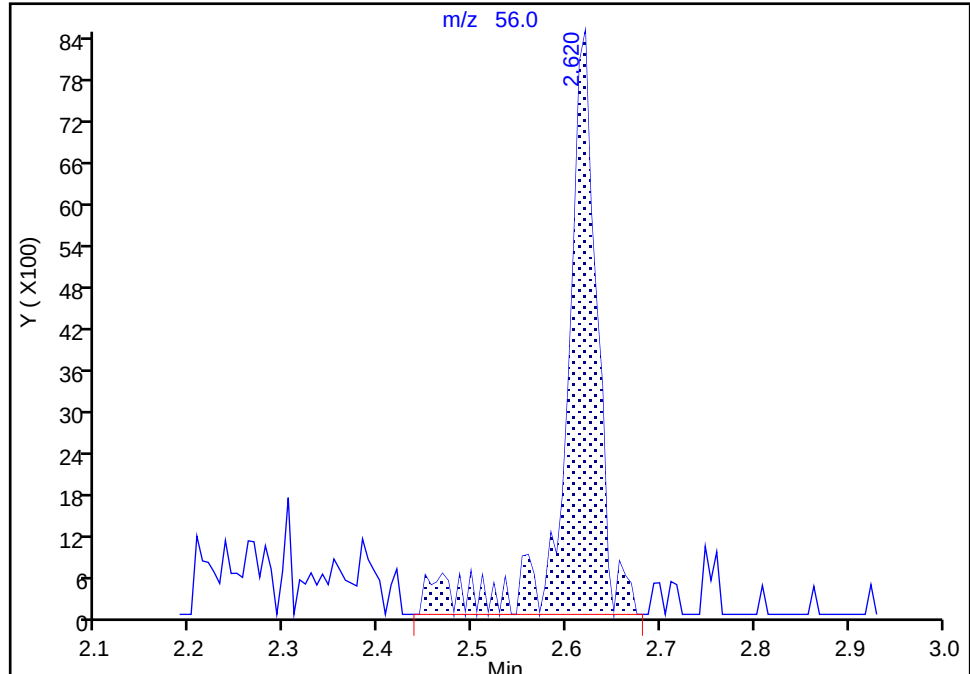
Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

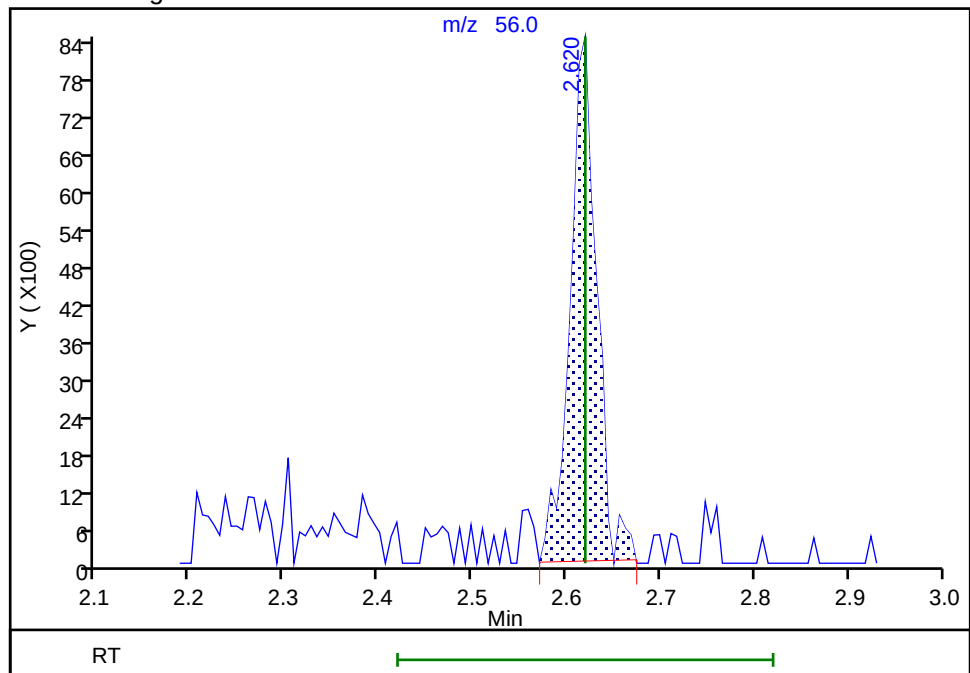
RT: 2.62
Area: 19259
Amount: 29.690613
Amount Units: ug/L

Processing Integration Results



RT: 2.62
Area: 16280
Amount: 25.376757
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 27-Aug-2021 09:33:38

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5355.D

Injection Date: 26-Aug-2021 13:49:30

Instrument ID: HP5973N

Lims ID: IC 3

Client ID:

Operator ID: LH

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

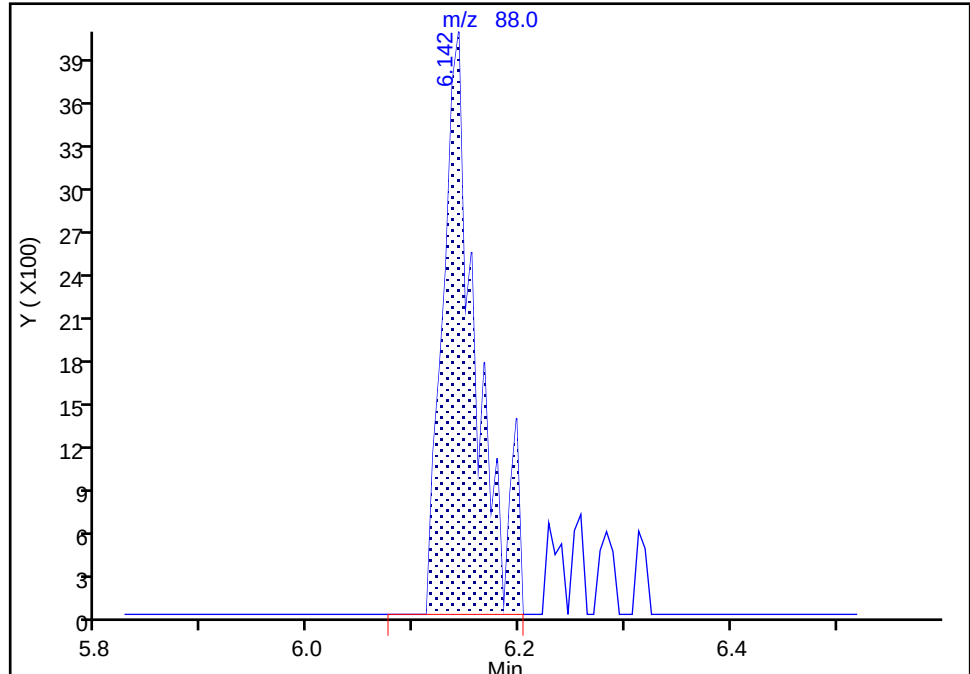
Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

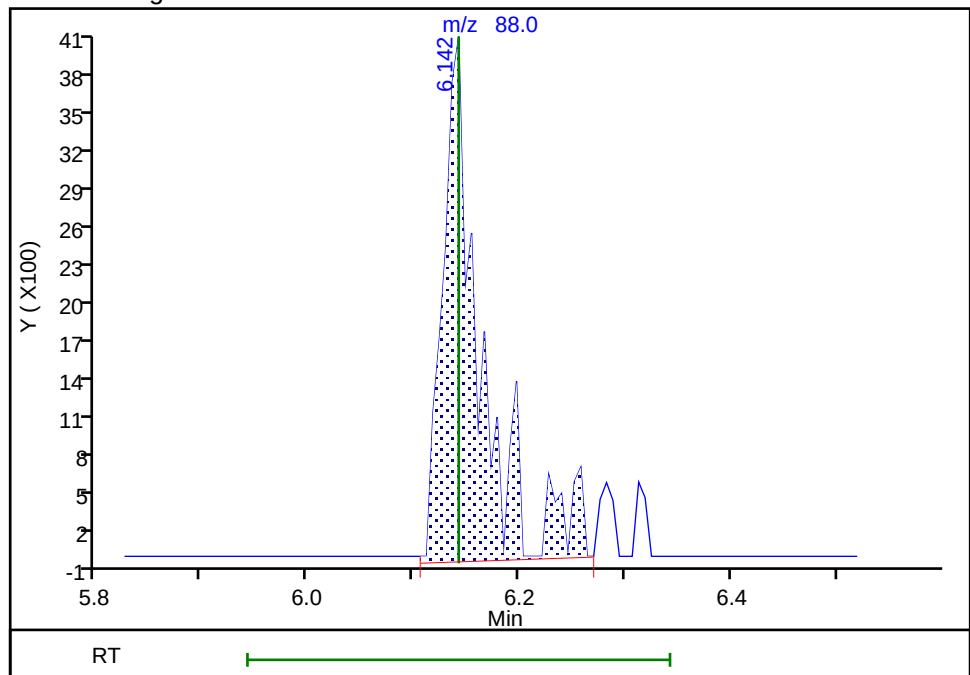
RT: 6.14
Area: 8859
Amount: 83.998777
Amount Units: ug/L

Processing Integration Results



RT: 6.14
Area: 10196
Amount: 97.174488
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 27-Aug-2021 09:46:31

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5356.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 26-Aug-2021 14:12:30 ALS Bottle#: 11 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0100628-011
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 27-Aug-2021 10:04:47 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: HillL

Date: 26-Aug-2021 15:29:53

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	5.406	5.412	-0.006	98	164189	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.399	0.006	89	601493	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	96	319708	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	92	205548	25.0	24.3	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.138	5.145	-0.007	83	271387	25.0	25.1	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.915	0.006	96	751113	25.0	25.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	92	230975	25.0	25.1	
11 Dichlorodifluoromethane	85	1.275	1.282	-0.007	97	71759	10.0	8.96	a
13 Chloromethane	50	1.452	1.452	0.000	99	177416	10.0	9.24	
14 Vinyl chloride	62	1.543	1.543	0.000	96	109671	10.0	8.90	
144 Butadiene	54	1.555	1.555	0.000	98	132165	10.0	8.37	
15 Bromomethane	94	1.847	1.841	0.006	92	58104	10.0	8.70	
16 Chloroethane	64	1.926	1.933	-0.006	95	71930	10.0	8.82	
17 Dichlorofluoromethane	67	2.158	2.152	0.006	95	143936	10.0	9.20	
18 Trichlorofluoromethane	101	2.164	2.164	0.000	58	106078	10.0	8.77	
19 Ethyl ether	59	2.437	2.437	0.000	96	111068	10.0	9.74	
20 Acrolein	56	2.620	2.620	0.000	95	32189	50.0	49.8	M
21 112TCTFE	101	2.650	2.644	0.006	65	70401	10.0	9.71	
22 1,1-Dichloroethene	96	2.662	2.663	-0.001	91	75556	10.0	9.79	
23 Acetone	43	2.778	2.772	0.006	98	261468	50.0	48.9	M
24 Iodomethane	142	2.827	2.827	0.000	97	130079	10.0	9.71	
25 Carbon disulfide	76	2.857	2.857	0.000	99	215985	10.0	9.02	
27 3-Chloro-1-propene	41	3.021	3.021	0.000	87	250755	10.0	9.18	
28 Methyl acetate	43	3.070	3.070	0.000	100	304375	20.0	19.1	
30 Methylene Chloride	84	3.186	3.174	0.012	88	87039	10.0	9.75	
31 2-Methyl-2-propanol	59	3.350	3.350	0.000	97	153761	100.0	98.5	
32 Methyl tert-butyl ether	73	3.380	3.374	0.006	94	271509	10.0	9.41	
33 trans-1,2-Dichloroethene	96	3.392	3.393	-0.001	90	82013	10.0	9.43	
34 Acrylonitrile	53	3.453	3.453	0.000	99	720125	100.0	94.2	
35 Hexane	57	3.587	3.587	0.000	95	172199	10.0	9.33	

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	3.812	3.812	0.000	96	187991	10.0	9.83	
39 Vinyl acetate	43	3.867	3.867	0.000	96	795175	20.0	20.0	
42 2,2-Dichloropropane	77	4.329	4.323	0.006	84	75343	10.0	9.53	
43 cis-1,2-Dichloroethene	96	4.366	4.366	0.000	85	92415	10.0	9.42	
44 2-Butanone (MEK)	43	4.402	4.402	0.000	96	469888	50.0	48.4	
47 Chlorobromomethane	128	4.597	4.603	-0.006	85	51744	10.0	9.88	
49 Tetrahydrofuran	42	4.621	4.621	0.000	93	135379	20.0	19.4	
50 Chloroform	83	4.676	4.682	-0.006	94	146604	10.0	9.37	
51 1,1,1-Trichloroethane	97	4.786	4.786	0.000	96	121929	10.0	9.71	
52 Cyclohexane	56	4.798	4.798	0.000	93	215070	10.0	9.45	
53 Carbon tetrachloride	117	4.926	4.926	0.000	94	114137	10.0	9.83	
54 1,1-Dichloropropene	75	4.938	4.932	0.006	85	111080	10.0	9.61	
55 Benzene	78	5.138	5.139	-0.001	86	344150	10.0	9.84	
56 Isobutyl alcohol	43	5.175	5.175	0.000	94	268095	250.0	256.9	M
57 1,2-Dichloroethane	62	5.211	5.205	0.006	94	156903	10.0	9.84	
59 n-Heptane	43	5.321	5.321	0.000	95	229142	10.0	9.43	
60 Trichloroethene	95	5.753	5.747	0.006	93	86982	10.0	10.2	
62 Methylcyclohexane	83	5.868	5.869	-0.001	93	140839	10.0	9.61	
63 1,2-Dichloropropane	63	5.996	5.990	0.006	90	104973	10.0	9.78	
64 Dibromomethane	93	6.130	6.130	0.000	93	58546	10.0	9.93	
66 1,4-Dioxane	88	6.142	6.142	0.000	44	21858	200.0	206.7	
67 Dichlorobromomethane	83	6.282	6.282	0.000	95	110983	10.0	9.91	
69 2-Chloroethyl vinyl ether	63	6.562	6.556	0.006	86	70484	10.0	10.4	
71 cis-1,3-Dichloropropene	75	6.696	6.702	-0.006	85	144447	10.0	10.5	
72 4-Methyl-2-pentanone (MIBK)	58	6.848	6.848	0.000	97	312695	50.0	50.7	
73 Toluene	92	6.982	6.982	0.000	97	220698	10.0	10.1	
75 trans-1,3-Dichloropropene	75	7.268	7.268	0.000	93	131443	10.0	10.2	
77 Ethyl methacrylate	69	7.316	7.316	0.000	89	109821	10.0	10.0	
78 1,1,2-Trichloroethane	83	7.456	7.462	-0.006	92	61941	10.0	9.82	
79 Tetrachloroethene	166	7.511	7.517	-0.006	94	88111	10.0	9.94	
80 1,3-Dichloropropane	76	7.621	7.615	0.006	90	130332	10.0	10.5	
82 2-Hexanone	43	7.687	7.688	-0.001	98	586196	50.0	48.2	
83 Chlorodibromomethane	129	7.858	7.852	0.006	89	89087	10.0	10.8	
84 Ethylene Dibromide	107	7.955	7.961	-0.006	98	78471	10.0	10.1	
85 Chlorobenzene	112	8.436	8.430	0.006	94	244811	10.0	10.3	
88 Ethylbenzene	91	8.521	8.521	0.000	98	397831	10.0	9.98	
89 1,1,1,2-Tetrachloroethane	131	8.533	8.533	0.000	93	88620	10.0	9.89	
90 m-Xylene & p-Xylene	106	8.649	8.643	0.006	97	148948	10.0	9.79	
91 o-Xylene	106	9.075	9.075	0.000	99	151625	10.0	10.3	
92 Styrene	104	9.105	9.105	0.000	93	244846	10.0	9.75	
93 Bromoform	173	9.354	9.361	-0.007	96	60026	10.0	10.2	
95 Isopropylbenzene	105	9.458	9.458	0.000	97	392266	10.0	9.96	
97 Bromobenzene	156	9.805	9.805	0.000	92	98074	10.0	9.90	
98 1,1,2,2-Tetrachloroethane	83	9.865	9.866	-0.001	93	107331	10.0	10.2	
100 N-Propylbenzene	91	9.890	9.890	0.000	100	450015	10.0	9.72	
99 1,2,3-Trichloropropane	110	9.896	9.902	-0.006	86	33031	10.0	10.6	
101 trans-1,4-Dichloro-2-butene	53	9.908	9.908	0.000	85	56790	10.0	10.2	
102 2-Chlorotoluene	126	9.987	9.987	0.000	96	93053	10.0	10.3	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	96	318764	10.0	10.0	
105 4-Chlorotoluene	91	10.103	10.103	0.000	97	292672	10.0	10.1	
106 tert-Butylbenzene	134	10.383	10.389	-0.007	96	71737	10.0	10.0	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	98	337312	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
109 sec-Butylbenzene	105	10.595	10.596	-0.001	95	408047	10.0	10.0	
110 1,3-Dichlorobenzene	146	10.729	10.729	0.000	98	198434	10.0	10.4	
111 4-Isopropyltoluene	119	10.735	10.735	0.000	98	376557	10.0	10.2	
113 1,4-Dichlorobenzene	146	10.821	10.821	0.000	94	190056	10.0	9.71	
115 n-Butylbenzene	91	11.125	11.119	0.006	98	319823	10.0	9.91	
116 1,2-Dichlorobenzene	146	11.173	11.173	0.000	97	197133	10.0	10.3	
117 1,2-Dibromo-3-Chloropropane	75	11.903	11.910	-0.007	80	23451	10.0	9.05	
119 1,2,4-Trichlorobenzene	180	12.579	12.579	0.000	93	143310	10.0	10.4	
120 Hexachlorobutadiene	225	12.688	12.688	0.000	96	66421	10.0	10.1	
121 Naphthalene	128	12.792	12.792	0.000	97	404837	10.0	10.6	
122 1,2,3-Trichlorobenzene	180	12.992	12.992	0.000	97	139173	10.0	10.2	
S 123 1,3-Dichloropropene, Total	1				0			20.6	
S 124 1,2-Dichloroethene, Total	1				0			18.9	
S 126 Xylenes, Total	1				0			20.1	
S 125 Total BTEX	1				0			50.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00212

Amount Added: 5.00

Units: uL

GAS CORP mix_00469

Amount Added: 5.00

Units: uL

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5356.D

Injection Date: 26-Aug-2021 14:12:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 4

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

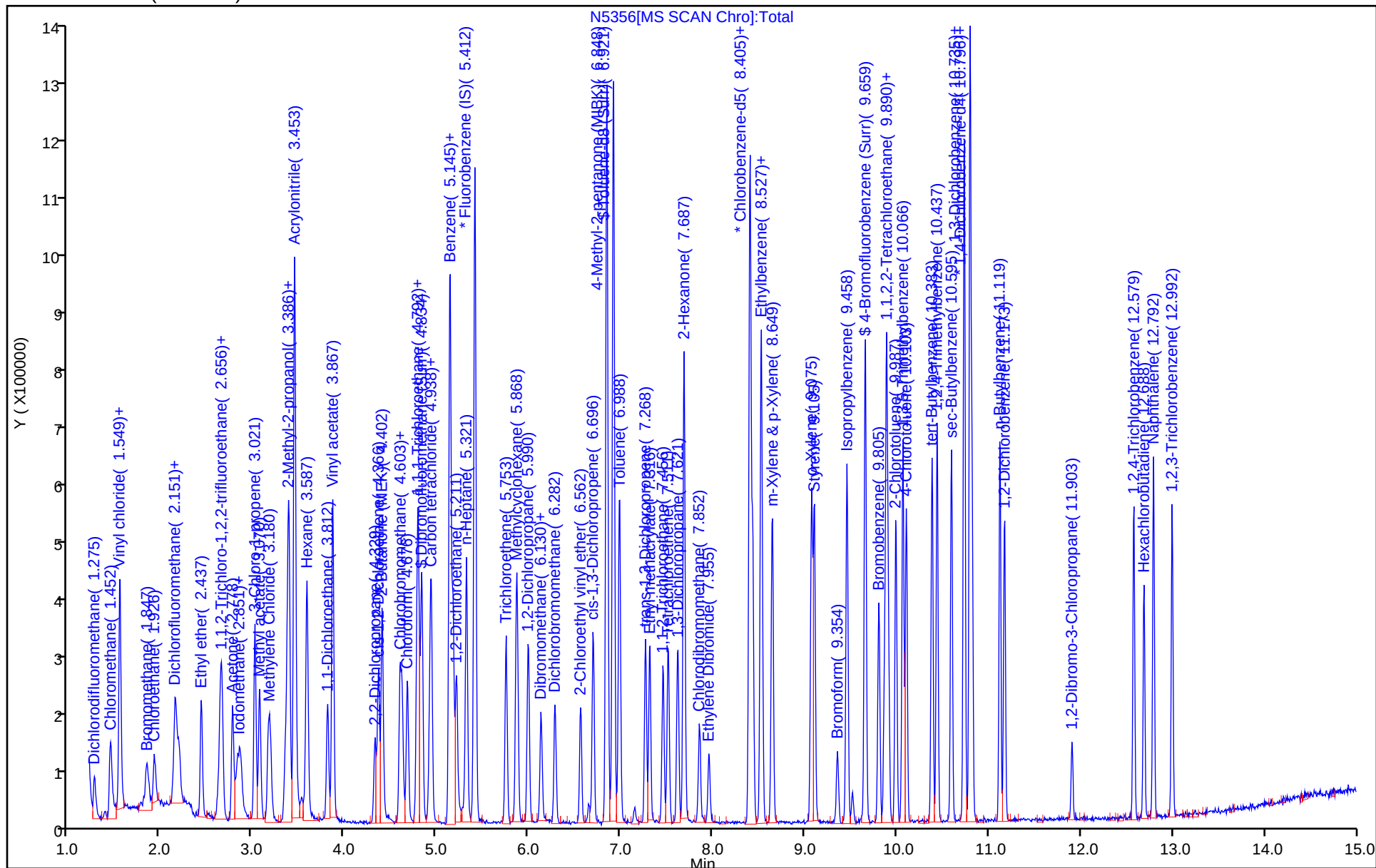
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

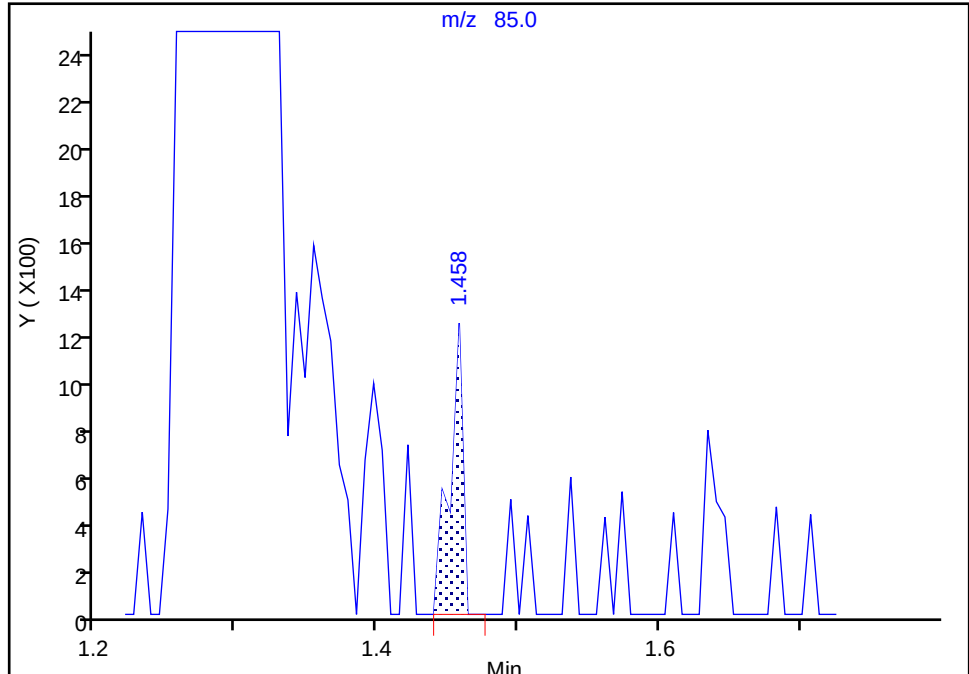
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Injection Date: 26-Aug-2021 14:12:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

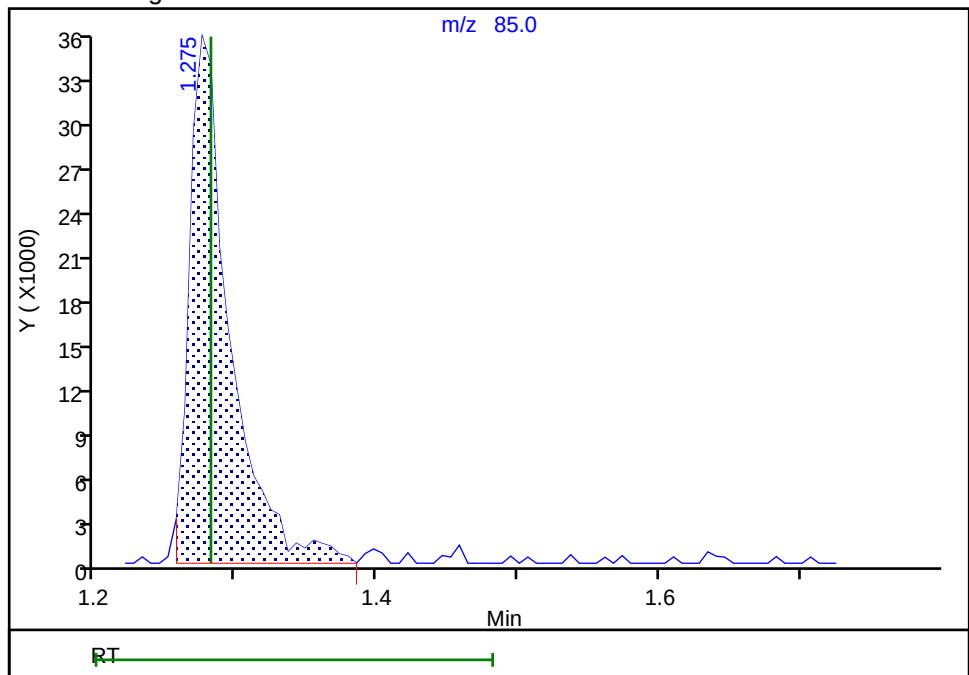
RT: 1.46
Area: 795
Amount: 0.121077
Amount Units: ug/L

Processing Integration Results



RT: 1.28
Area: 71759
Amount: 8.963171
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 15:29:11
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

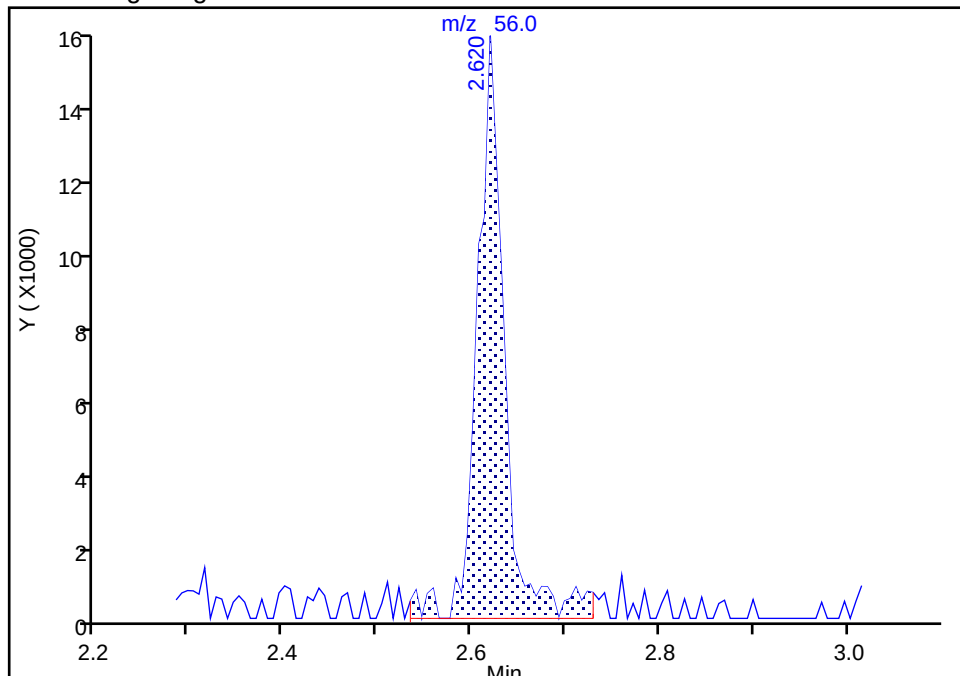
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Injection Date: 26-Aug-2021 14:12:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

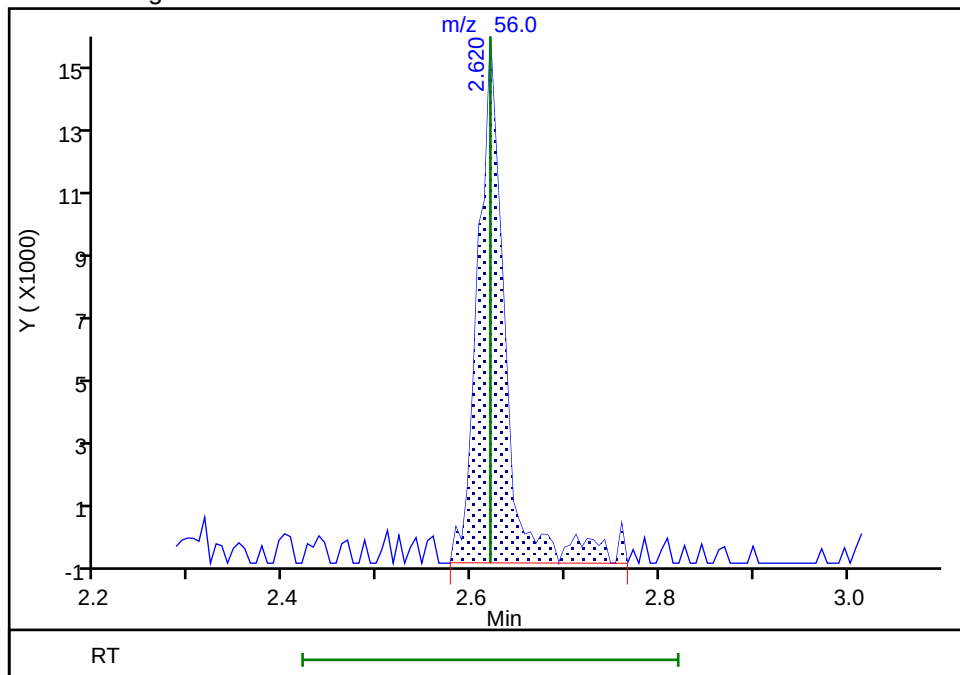
RT: 2.62
Area: 32383
Amount: 50.688232
Amount Units: ug/L

Processing Integration Results



RT: 2.62
Area: 32189
Amount: 49.774271
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 27-Aug-2021 09:34:00

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

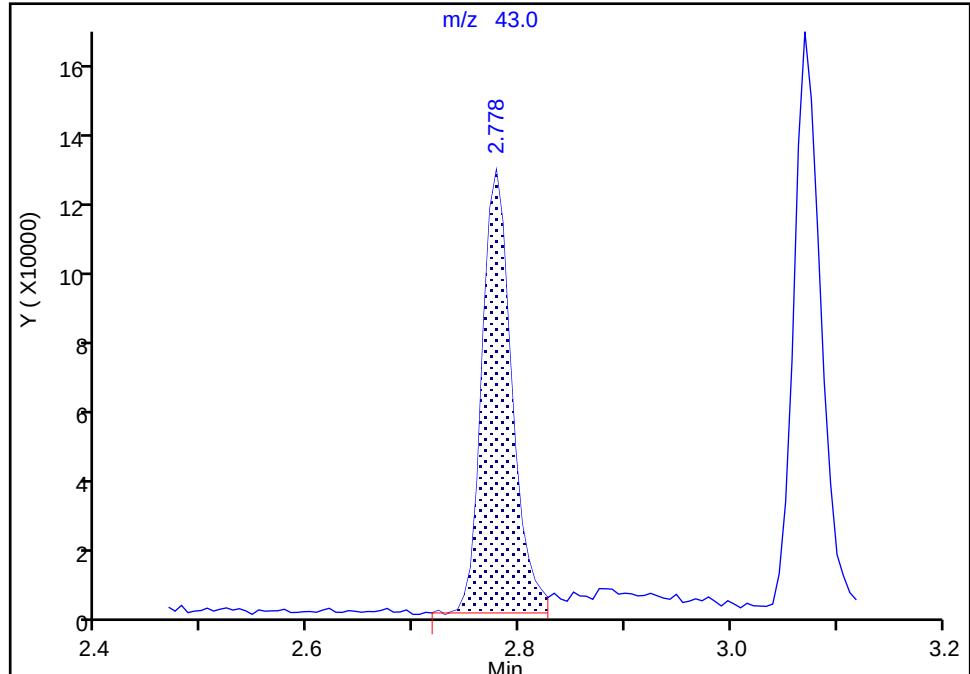
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Injection Date: 26-Aug-2021 14:12:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

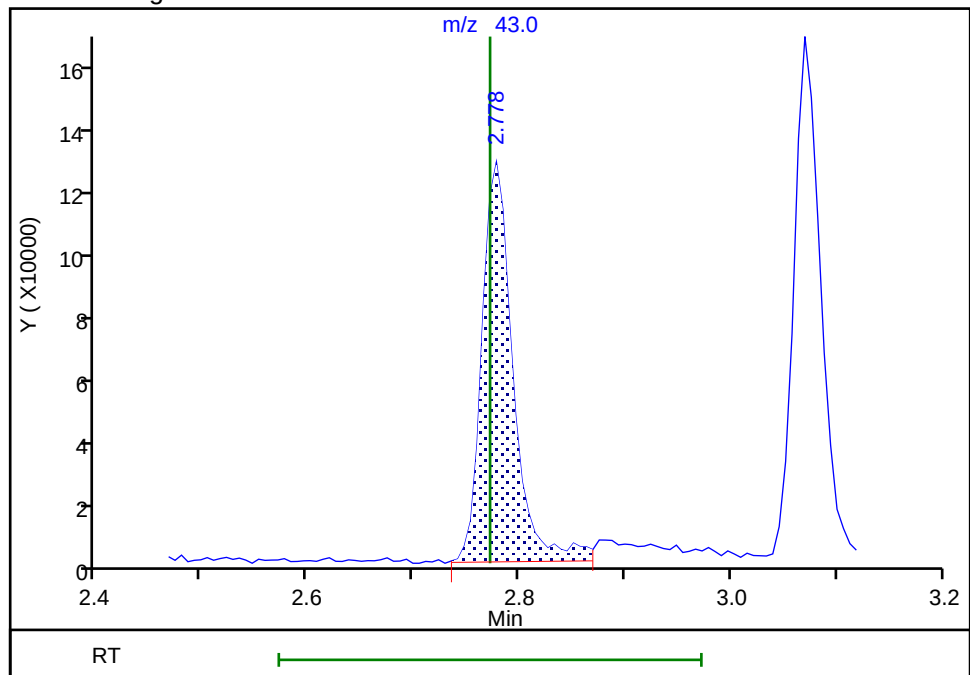
RT: 2.78
Area: 250497
Amount: 47.388945
Amount Units: ug/L

Processing Integration Results



RT: 2.78
Area: 261468
Amount: 48.880601
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 27-Aug-2021 09:39:00
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

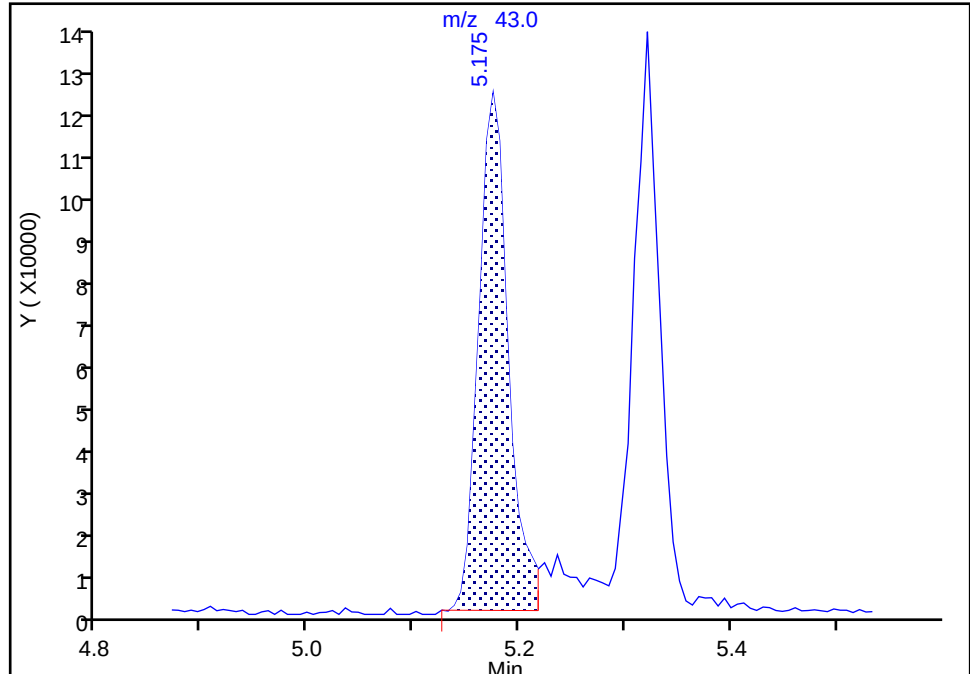
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Injection Date: 26-Aug-2021 14:12:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

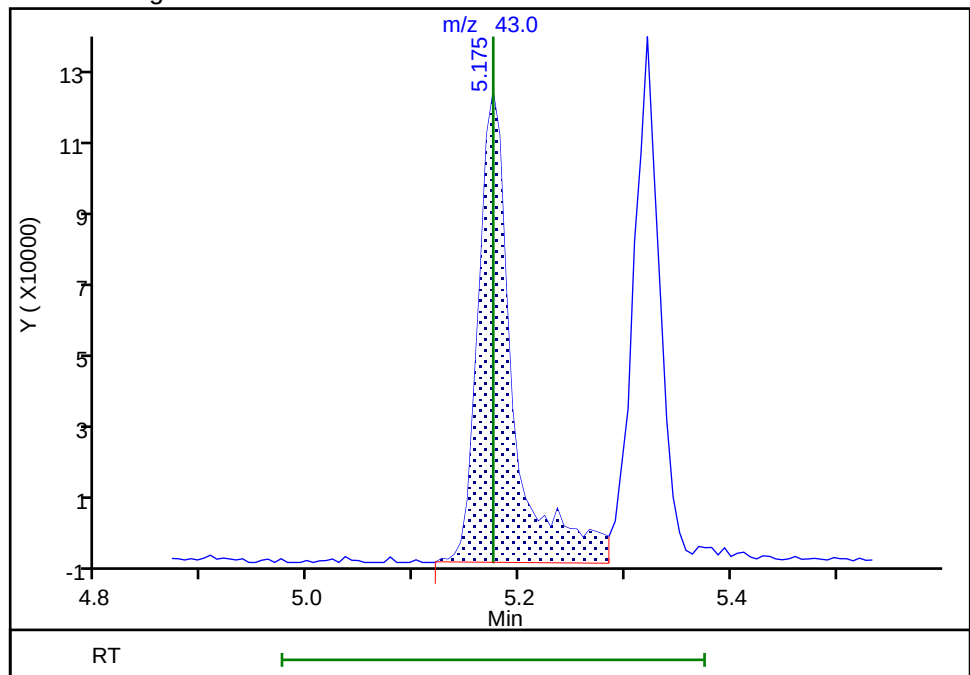
RT: 5.17
Area: 228061
Amount: 195.3437
Amount Units: ug/L

Processing Integration Results



RT: 5.17
Area: 268095
Amount: 256.8638
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 15:29:49
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 416 of 624

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5357.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 26-Aug-2021 14:35:30 ALS Bottle#: 12 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0100628-012
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 27-Aug-2021 10:04:50 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: HillL

Date: 26-Aug-2021 15:30:31

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	5.412	5.412	0.000	98	154502	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.405	0.000	90	561213	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	95	306828	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.828	4.828	0.000	93	204309	25.0	25.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	68	251708	25.0	24.7	
\$ 6 Toluene-d8 (Surr)	98	6.915	6.915	0.000	96	697096	25.0	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	93	221657	25.0	25.8	
11 Dichlorodifluoromethane	85	1.275	1.275	0.000	97	189923	25.0	25.2	
13 Chloromethane	50	1.446	1.446	0.000	99	437983	25.0	24.2	
14 Vinyl chloride	62	1.543	1.543	0.000	97	303351	25.0	26.2	
144 Butadiene	54	1.549	1.549	0.000	97	383810	25.0	25.8	
15 Bromomethane	94	1.853	1.853	0.000	90	149308	25.0	23.8	
16 Chloroethane	64	1.926	1.926	0.000	94	184954	25.0	24.1	
17 Dichlorofluoromethane	67	2.152	2.152	0.000	96	371329	25.0	25.2	
18 Trichlorofluoromethane	101	2.164	2.164	0.000	61	297364	25.0	26.1	
19 Ethyl ether	59	2.437	2.437	0.000	95	286026	25.0	26.7	
20 Acrolein	56	2.614	2.614	0.000	97	73925	125.0	121.5	M
21 112TCTFE	101	2.644	2.644	0.000	93	190988	25.0	28.0	
22 1,1-Dichloroethene	96	2.656	2.656	0.000	91	194444	25.0	26.8	
23 Acetone	43	2.772	2.772	0.000	98	593321	125.0	117.9	
24 Iodomethane	142	2.827	2.827	0.000	98	326727	25.0	25.9	
25 Carbon disulfide	76	2.857	2.857	0.000	98	607137	25.0	26.9	
27 3-Chloro-1-propene	41	3.015	3.015	0.000	88	657407	25.0	25.6	
28 Methyl acetate	43	3.070	3.070	0.000	99	693746	50.0	46.3	
30 Methylene Chloride	84	3.167	3.167	0.000	89	216094	25.0	26.5	
31 2-Methyl-2-propanol	59	3.344	3.344	0.000	98	348181	250.0	237.1	
32 Methyl tert-butyl ether	73	3.374	3.374	0.000	96	698230	25.0	25.7	
33 trans-1,2-Dichloroethene	96	3.393	3.393	0.000	90	223531	25.0	27.3	
34 Acrylonitrile	53	3.447	3.447	0.000	98	1729743	250.0	240.4	
35 Hexane	57	3.587	3.587	0.000	96	467479	25.0	26.9	

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	3.806	3.806	0.000	96	485568	25.0	27.0	
39 Vinyl acetate	43	3.867	3.867	0.000	96	1815230	50.0	48.4	
42 2,2-Dichloropropane	77	4.323	4.323	0.000	86	200948	25.0	27.0	
43 cis-1,2-Dichloroethene	96	4.360	4.360	0.000	86	240193	25.0	26.0	
44 2-Butanone (MEK)	43	4.402	4.402	0.000	96	1008116	125.0	110.3	
47 Chlorobromomethane	128	4.597	4.597	0.000	85	123178	25.0	25.0	
49 Tetrahydrofuran	42	4.621	4.621	0.000	93	297926	50.0	45.3	
50 Chloroform	83	4.676	4.676	0.000	95	376430	25.0	25.6	
51 1,1,1-Trichloroethane	97	4.786	4.786	0.000	95	317946	25.0	26.9	
52 Cyclohexane	56	4.792	4.792	0.000	93	596652	25.0	27.9	
53 Carbon tetrachloride	117	4.920	4.920	0.000	94	300693	25.0	27.5	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	85	295034	25.0	27.1	
55 Benzene	78	5.139	5.139	0.000	91	846582	25.0	25.7	
56 Isobutyl alcohol	43	5.169	5.169	0.000	92	588635	625.0	599.3	
57 1,2-Dichloroethane	62	5.212	5.212	0.000	94	373855	25.0	24.9	
59 n-Heptane	43	5.321	5.321	0.000	96	560691	25.0	24.5	
60 Trichloroethene	95	5.747	5.747	0.000	92	212316	25.0	26.5	
62 Methylcyclohexane	83	5.869	5.869	0.000	94	372018	25.0	27.0	
63 1,2-Dichloropropane	63	5.990	5.990	0.000	88	243028	25.0	24.1	
64 Dibromomethane	93	6.130	6.130	0.000	96	138431	25.0	25.0	
66 1,4-Dioxane	88	6.136	6.136	0.000	49	48918	500.0	495.8	
67 Dichlorobromomethane	83	6.282	6.282	0.000	94	270526	25.0	25.7	
69 2-Chloroethyl vinyl ether	63	6.562	6.562	0.000	86	156289	25.0	24.6	
71 cis-1,3-Dichloropropene	75	6.696	6.696	0.000	85	330334	25.0	25.4	
72 4-Methyl-2-pentanone (MIBK)	58	6.842	6.842	0.000	98	728624	125.0	126.6	
73 Toluene	92	6.982	6.982	0.000	97	521265	25.0	25.6	
75 trans-1,3-Dichloropropene	75	7.268	7.268	0.000	92	293018	25.0	24.3	
77 Ethyl methacrylate	69	7.316	7.316	0.000	90	265797	25.0	26.0	
78 1,1,2-Trichloroethane	83	7.456	7.456	0.000	94	143114	25.0	24.3	
79 Tetrachloroethene	166	7.517	7.517	0.000	95	216939	25.0	26.2	
80 1,3-Dichloropropane	76	7.621	7.621	0.000	90	289055	25.0	24.9	
82 2-Hexanone	43	7.688	7.688	0.000	97	1334166	125.0	117.6	
83 Chlorodibromomethane	129	7.852	7.852	0.000	90	206604	25.0	26.8	
84 Ethylene Dibromide	107	7.955	7.955	0.000	99	187397	25.0	25.8	
85 Chlorobenzene	112	8.430	8.430	0.000	94	578617	25.0	26.2	
88 Ethylbenzene	91	8.521	8.521	0.000	98	951352	25.0	25.6	
89 1,1,1,2-Tetrachloroethane	131	8.533	8.533	0.000	94	221677	25.0	26.5	
90 m-Xylene & p-Xylene	106	8.649	8.649	0.000	98	367573	25.0	25.9	
91 o-Xylene	106	9.075	9.075	0.000	98	384722	25.0	28.1	
92 Styrene	104	9.105	9.105	0.000	94	608627	25.0	26.0	
93 Bromoform	173	9.354	9.354	0.000	96	144417	25.0	26.4	
95 Isopropylbenzene	105	9.458	9.458	0.000	97	988351	25.0	26.1	
97 Bromobenzene	156	9.805	9.805	0.000	91	240390	25.0	25.3	
98 1,1,2,2-Tetrachloroethane	83	9.866	9.866	0.000	93	261032	25.0	25.7	
100 N-Propylbenzene	91	9.884	9.884	0.000	99	1171837	25.0	26.4	
99 1,2,3-Trichloropropane	110	9.896	9.896	0.000	88	74978	25.0	25.1	
101 trans-1,4-Dichloro-2-butene	53	9.914	9.914	0.000	78	122599	25.0	22.9	
102 2-Chlorotoluene	126	9.987	9.987	0.000	95	235106	25.0	27.0	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	96	822677	25.0	26.9	
105 4-Chlorotoluene	91	10.103	10.103	0.000	97	693811	25.0	24.9	
106 tert-Butylbenzene	134	10.383	10.383	0.000	96	177956	25.0	26.0	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	98	839781	25.0	26.9	

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	10.596	10.596	0.000	95	1044406	25.0	26.7	
110 1,3-Dichlorobenzene	146	10.729	10.729	0.000	97	471288	25.0	25.8	
111 4-Isopropyltoluene	119	10.735	10.735	0.000	98	943731	25.0	26.7	
113 1,4-Dichlorobenzene	146	10.821	10.821	0.000	94	474131	25.0	25.3	
115 n-Butylbenzene	91	11.119	11.119	0.000	98	837108	25.0	27.0	
116 1,2-Dichlorobenzene	146	11.167	11.167	0.000	97	471703	25.0	25.6	
117 1,2-Dibromo-3-Chloropropane	75	11.904	11.904	0.000	82	55844	25.0	22.4	
119 1,2,4-Trichlorobenzene	180	12.579	12.579	0.000	94	368481	25.0	27.8	
120 Hexachlorobutadiene	225	12.688	12.688	0.000	97	162505	25.0	25.8	
121 Naphthalene	128	12.792	12.792	0.000	97	993427	25.0	27.0	
122 1,2,3-Trichlorobenzene	180	12.992	12.992	0.000	95	349789	25.0	26.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00212

Amount Added: 12.50

Units: uL

GAS CORP mix_00469

Amount Added: 12.50

Units: uL

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5357.D

Injection Date: 26-Aug-2021 14:35:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: ICIS 5

Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL

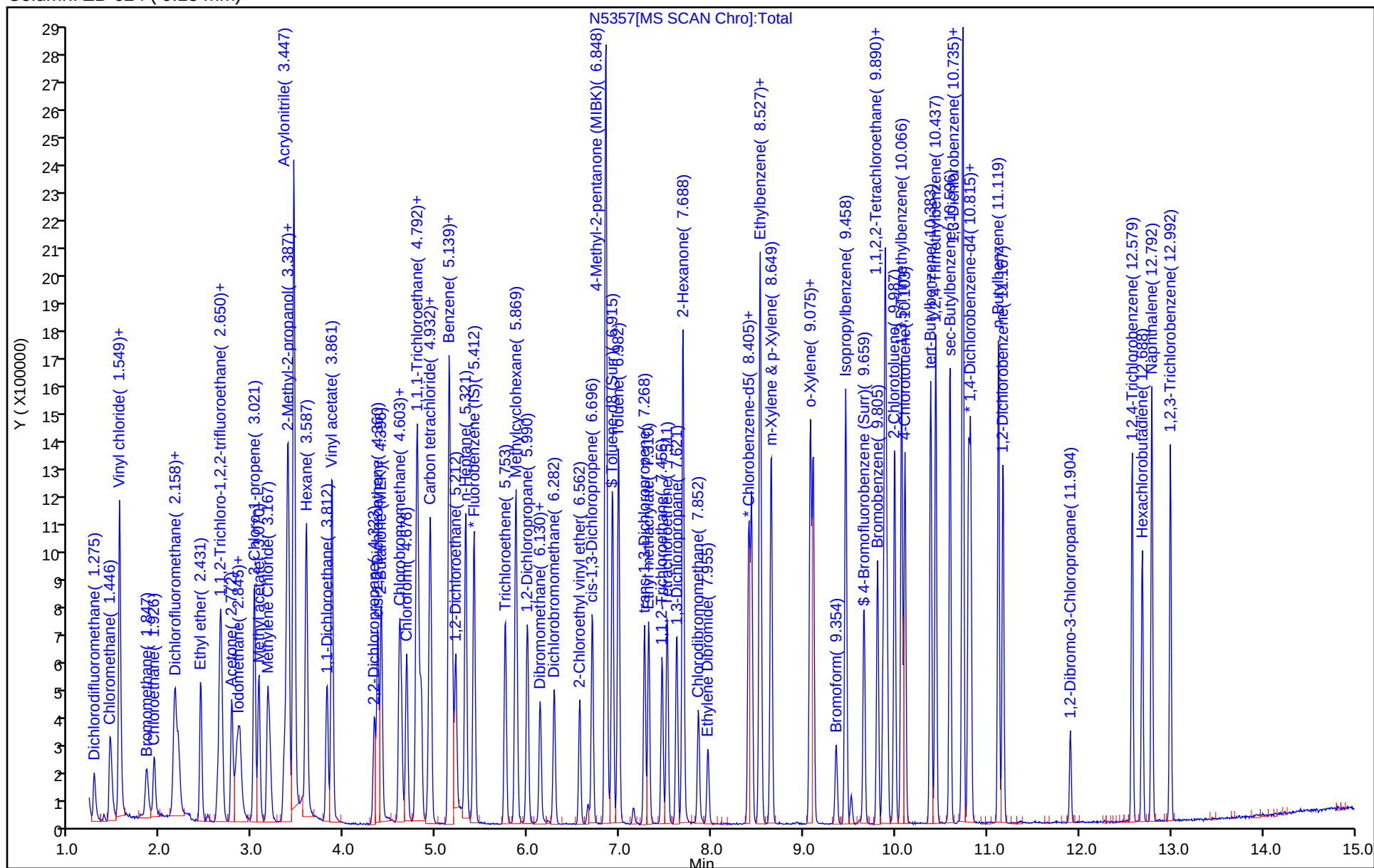
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5357.D

Injection Date: 26-Aug-2021 14:35:30

Instrument ID: HP5973N

Lims ID: ICIS 5

Client ID:

Operator ID: LH

ALS Bottle#:

12

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

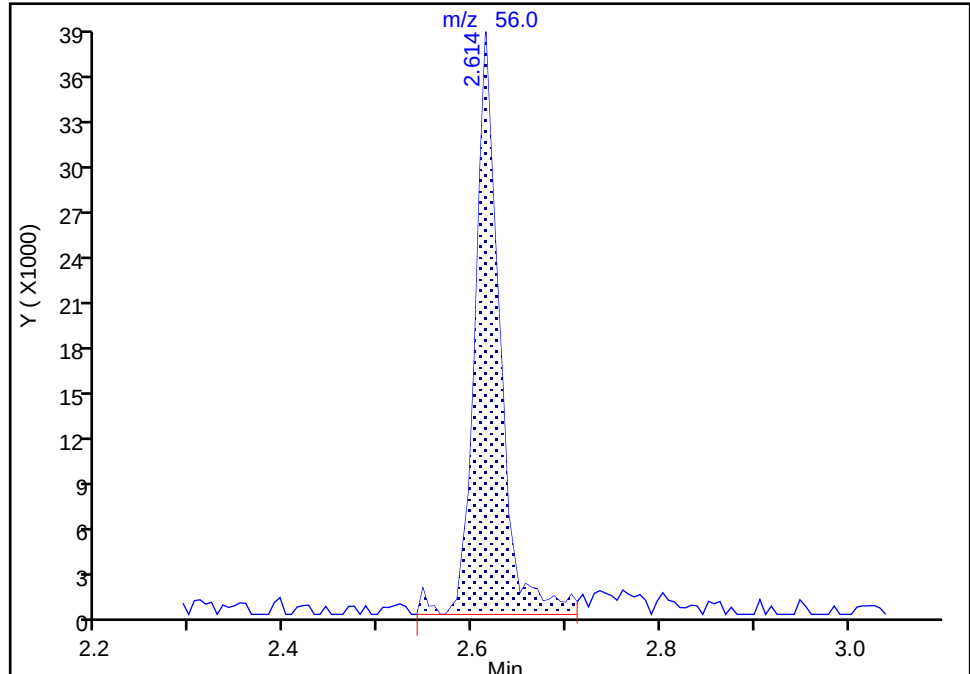
MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

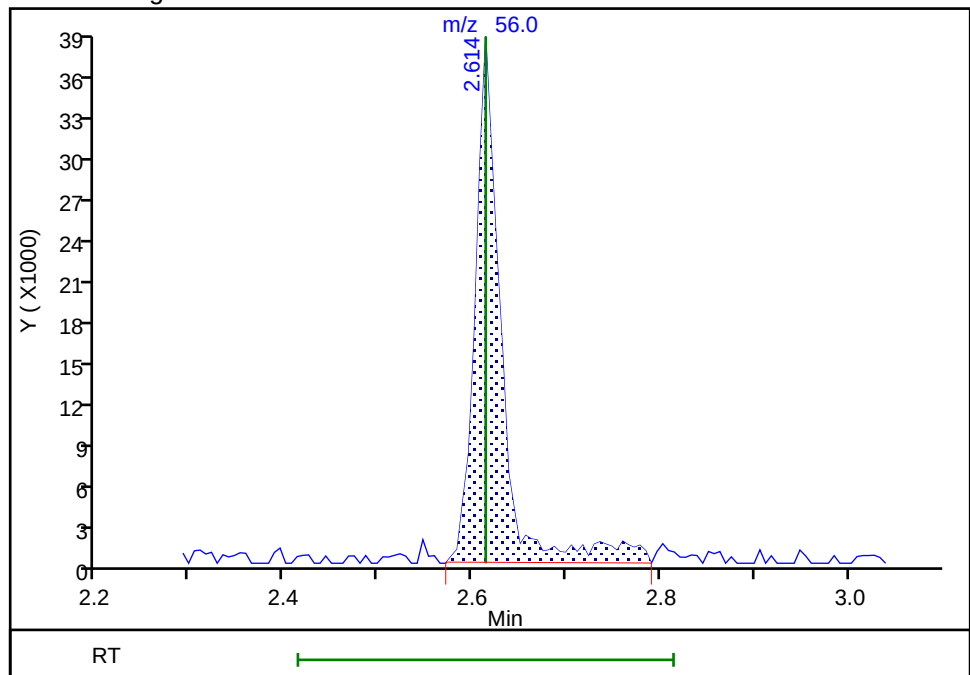
RT: 2.61
Area: 70285
Amount: 116.1918
Amount Units: ug/L

Processing Integration Results



RT: 2.61
Area: 73925
Amount: 121.4783
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 27-Aug-2021 09:47:29

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5358.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 26-Aug-2021 14:58:30 ALS Bottle#: 13 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0100628-013
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 27-Aug-2021 10:04:53 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: HillL

Date: 26-Aug-2021 15:44:23

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	5.412	5.412	0.000	97	164114	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.406	8.405	0.001	88	629767	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	94	330988	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.828	0.006	93	210128	25.0	24.9	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	87	267885	25.0	24.8	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.915	0.006	96	767614	25.0	24.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	92	230473	25.0	23.9	
11 Dichlorodifluoromethane	85	1.276	1.275	0.001	98	401921	50.0	50.2	a
13 Chloromethane	50	1.446	1.446	0.000	99	922032	50.0	48.0	
14 Vinyl chloride	62	1.543	1.543	0.000	98	612511	50.0	49.7	
144 Butadiene	54	1.549	1.549	0.000	99	786022	50.0	49.8	
15 Bromomethane	94	1.847	1.853	-0.006	92	300399	50.0	45.0	
16 Chloroethane	64	1.926	1.926	0.000	95	359325	50.0	44.1	
17 Dichlorofluoromethane	67	2.152	2.152	0.000	95	756220	50.0	48.3	
18 Trichlorofluoromethane	101	2.170	2.164	0.006	97	627542	50.0	51.9	
19 Ethyl ether	59	2.438	2.437	0.001	94	572810	50.0	50.3	
20 Acrolein	56	2.620	2.614	0.006	100	151013	250.0	233.6	
21 112TCTFE	101	2.650	2.644	0.006	93	378680	50.0	52.2	
22 1,1-Dichloroethene	96	2.663	2.656	0.007	91	379042	50.0	49.1	
23 Acetone	43	2.772	2.772	0.000	97	1307978	250.0	244.6	
24 Iodomethane	142	2.833	2.827	0.006	98	669745	50.0	50.0	
25 Carbon disulfide	76	2.857	2.857	0.000	98	1232608	50.0	51.5	
27 3-Chloro-1-propene	41	3.022	3.015	0.007	88	1332323	50.0	48.8	
28 Methyl acetate	43	3.070	3.070	0.000	100	1545670	100.0	97.2	
30 Methylene Chloride	84	3.168	3.167	0.001	88	425814	50.0	49.7	
31 2-Methyl-2-propanol	59	3.350	3.344	0.006	93	747849	500.0	479.4	
32 Methyl tert-butyl ether	73	3.380	3.374	0.006	94	1428897	50.0	49.6	
33 trans-1,2-Dichloroethene	96	3.393	3.393	0.000	90	448750	50.0	51.6	
34 Acrylonitrile	53	3.453	3.447	0.006	99	3742641	500.0	489.6	
35 Hexane	57	3.587	3.587	0.000	96	981623	50.0	53.2	

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	3.812	3.806	0.006	96	1001298	50.0	52.4	
39 Vinyl acetate	43	3.867	3.867	0.000	96	4127447	100.0	103.6	
42 2,2-Dichloropropane	77	4.330	4.323	0.007	88	366048	50.0	46.3	
43 cis-1,2-Dichloroethene	96	4.366	4.360	0.006	86	477112	50.0	48.7	
44 2-Butanone (MEK)	43	4.403	4.402	0.000	96	2344699	250.0	241.5	
47 Chlorobromomethane	128	4.597	4.597	0.000	85	255658	50.0	48.8	
49 Tetrahydrofuran	42	4.615	4.621	-0.006	93	663968	100.0	95.1	
50 Chloroform	83	4.676	4.676	0.000	95	757914	50.0	48.5	
51 1,1,1-Trichloroethane	97	4.786	4.786	0.000	94	650013	50.0	51.8	
52 Cyclohexane	56	4.792	4.792	0.000	93	1212699	50.0	53.3	
53 Carbon tetrachloride	117	4.926	4.920	0.006	95	608160	50.0	52.4	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	86	632035	50.0	54.7	
55 Benzene	78	5.145	5.139	0.006	95	1798545	50.0	51.4	
56 Isobutyl alcohol	43	5.169	5.169	0.000	95	1195871	1250.0	1146.3	
57 1,2-Dichloroethane	62	5.212	5.212	0.000	94	768480	50.0	48.2	
59 n-Heptane	43	5.321	5.321	0.000	96	1182925	50.0	48.7	
60 Trichloroethene	95	5.753	5.747	0.006	94	467907	50.0	55.0	
62 Methylcyclohexane	83	5.869	5.869	0.000	94	776715	50.0	53.0	
63 1,2-Dichloropropane	63	5.990	5.990	0.000	90	541758	50.0	50.5	
64 Dibromomethane	93	6.130	6.130	0.000	95	292543	50.0	49.7	
66 1,4-Dioxane	88	6.136	6.136	0.000	48	99245	1000.0	896.5	
67 Dichlorobromomethane	83	6.282	6.282	0.000	95	581638	50.0	52.0	
69 2-Chloroethyl vinyl ether	63	6.562	6.562	0.000	85	376669	50.0	55.7	
71 cis-1,3-Dichloropropene	75	6.696	6.696	0.000	85	755003	50.0	54.8	
72 4-Methyl-2-pentanone (MIBK)	58	6.848	6.842	0.006	97	1567103	250.0	242.7	
73 Toluene	92	6.988	6.982	0.006	97	1144968	50.0	50.0	
75 trans-1,3-Dichloropropene	75	7.268	7.268	0.000	94	689080	50.0	51.0	
77 Ethyl methacrylate	69	7.317	7.316	0.001	88	586067	50.0	51.1	
78 1,1,2-Trichloroethane	83	7.456	7.456	0.000	95	317702	50.0	48.1	
79 Tetrachloroethene	166	7.517	7.517	0.000	96	483301	50.0	52.1	
80 1,3-Dichloropropane	76	7.621	7.621	0.000	90	672139	50.0	51.6	
82 2-Hexanone	43	7.688	7.688	0.000	98	3154538	250.0	247.8	
83 Chlorodibromomethane	129	7.852	7.852	0.000	89	463795	50.0	53.6	
84 Ethylene Dibromide	107	7.955	7.955	0.000	98	420605	50.0	51.6	
85 Chlorobenzene	112	8.430	8.430	0.000	93	1278547	50.0	51.5	
88 Ethylbenzene	91	8.521	8.521	0.000	98	2097205	50.0	50.3	
89 1,1,1,2-Tetrachloroethane	131	8.533	8.533	0.000	94	472451	50.0	50.4	
90 m-Xylene & p-Xylene	106	8.649	8.649	0.000	98	816754	50.0	51.3	
91 o-Xylene	106	9.075	9.075	0.000	97	806056	50.0	52.5	
92 Styrene	104	9.105	9.105	0.000	94	1348483	50.0	51.3	
93 Bromoform	173	9.355	9.354	0.001	96	336864	50.0	54.9	
95 Isopropylbenzene	105	9.458	9.458	0.000	97	2153462	50.0	52.8	
97 Bromobenzene	156	9.805	9.805	0.000	90	534109	50.0	52.1	
98 1,1,2,2-Tetrachloroethane	83	9.866	9.866	0.000	93	564171	50.0	51.6	
100 N-Propylbenzene	91	9.890	9.884	0.006	99	2528244	50.0	52.8	
99 1,2,3-Trichloropropane	110	9.896	9.896	0.000	88	167096	50.0	51.8	
101 trans-1,4-Dichloro-2-butene	53	9.908	9.914	-0.006	78	297618	50.0	51.5	
102 2-Chlorotoluene	126	9.993	9.987	0.006	96	501383	50.0	53.4	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	95	1764506	50.0	53.6	
105 4-Chlorotoluene	91	10.103	10.103	0.000	97	1548131	50.0	51.6	
106 tert-Butylbenzene	134	10.383	10.383	0.000	95	389497	50.0	52.7	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	98	1795881	50.0	53.3	

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	10.596	10.596	0.000	95	2276474	50.0	54.0	
110 1,3-Dichlorobenzene	146	10.729	10.729	0.000	97	1028460	50.0	52.2	
111 4-Isopropyltoluene	119	10.736	10.735	0.001	98	2030841	50.0	53.3	
113 1,4-Dichlorobenzene	146	10.821	10.821	0.000	94	1035121	50.0	51.1	
115 n-Butylbenzene	91	11.125	11.119	0.006	98	1766491	50.0	52.9	
116 1,2-Dichlorobenzene	146	11.174	11.167	0.007	97	1009393	50.0	50.9	
117 1,2-Dibromo-3-Chloropropane	75	11.904	11.904	0.000	90	125444	50.0	46.7	
119 1,2,4-Trichlorobenzene	180	12.579	12.579	0.000	94	738583	50.0	51.6	
120 Hexachlorobutadiene	225	12.688	12.688	0.000	97	340668	50.0	50.1	
121 Naphthalene	128	12.792	12.792	0.000	97	2102512	50.0	53.0	
122 1,2,3-Trichlorobenzene	180	12.993	12.992	0.001	96	681456	50.0	48.3	
S 123 1,3-Dichloropropene, Total	1				0			105.7	
S 124 1,2-Dichloroethene, Total	1				0			100.3	
S 126 Xylenes, Total	1				0			103.8	
S 125 Total BTEX	1				0			255.5	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

8260 CORP mix_00212

Amount Added: 25.00

Units: uL

GAS CORP mix_00469

Amount Added: 25.00

Units: uL

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5358.D

Injection Date: 26-Aug-2021 14:58:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 6

Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL

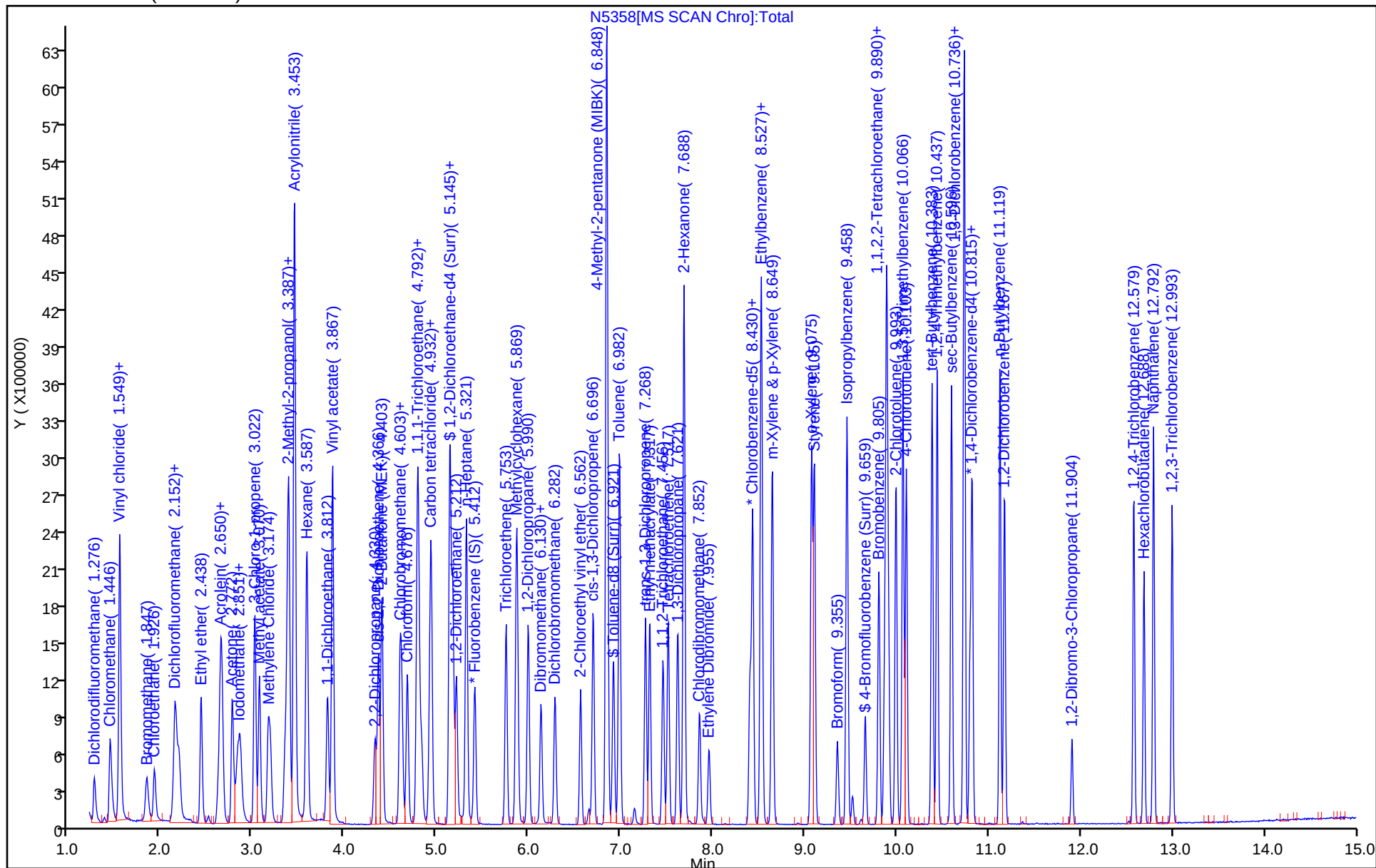
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5358.D

Injection Date: 26-Aug-2021 14:58:30

Instrument ID: HP5973N

Lims ID: IC 6

Client ID:

Operator ID: LH

ALS Bottle#:

13

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

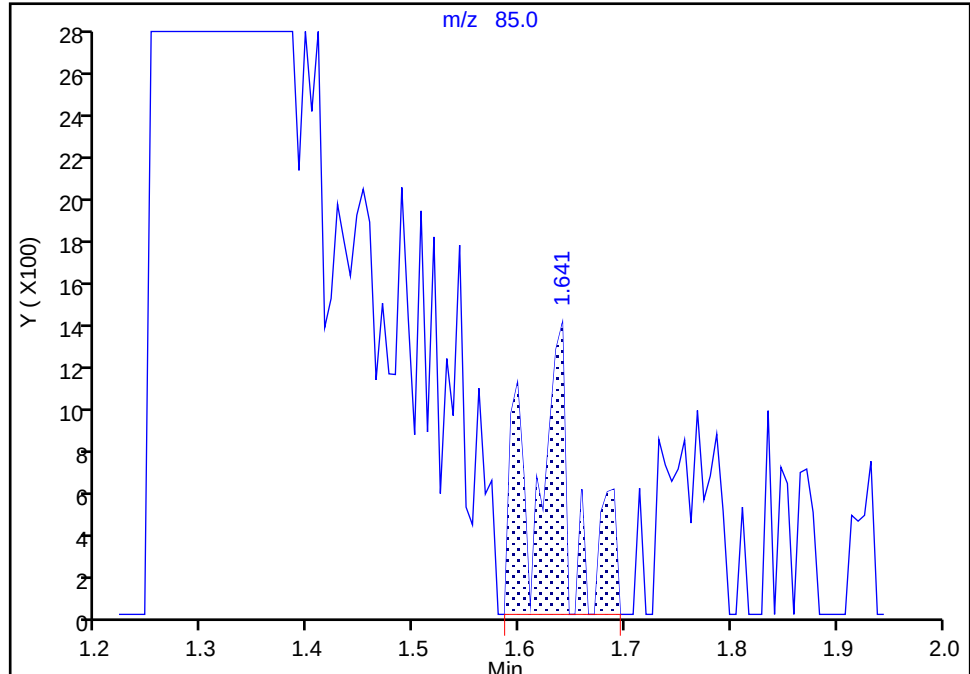
MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

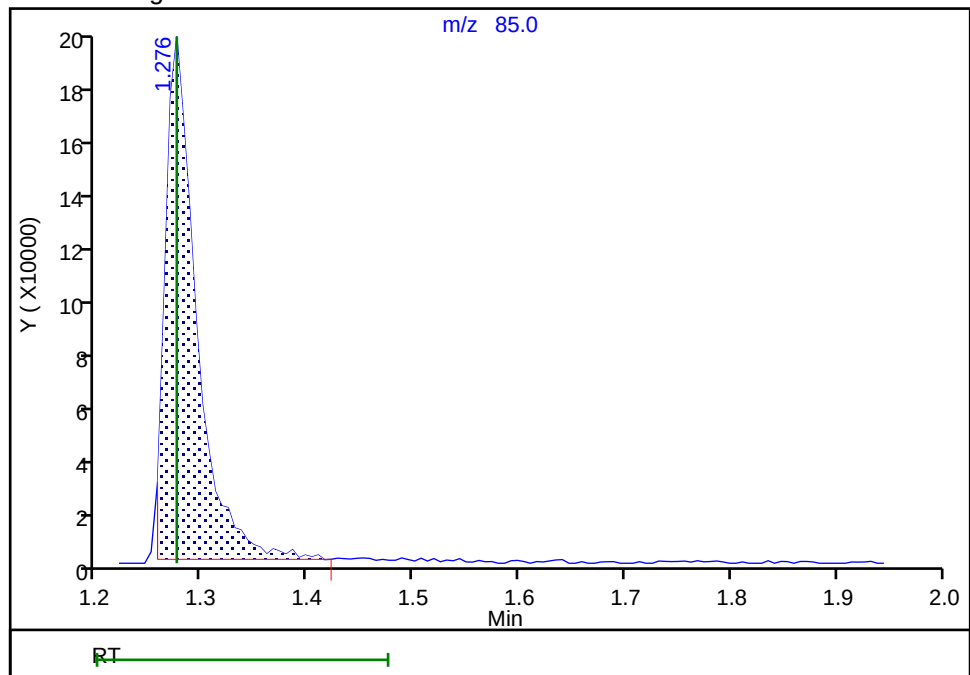
RT: 1.64
Area: 3432
Amount: 0.500014
Amount Units: ug/L

Processing Integration Results



RT: 1.28
Area: 401921
Amount: 50.225519
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 15:30:43

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5359.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 26-Aug-2021 15:22:30 ALS Bottle#: 14 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0100628-014
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 27-Aug-2021 10:04:57 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: HillL

Date: 26-Aug-2021 15:45:07

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	5.412	5.412	0.000	98	159343	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.399	8.405	-0.006	87	604404	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	94	328861	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.828	0.006	93	205612	25.0	25.1	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	44	269056	25.0	25.6	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.915	0.006	96	738769	25.0	24.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	89	229508	25.0	24.8	
11 Dichlorodifluoromethane	85	1.276	1.275	0.001	98	776952	100.0	100.0	
13 Chloromethane	50	1.446	1.446	0.000	99	1780639	100.0	95.5	
14 Vinyl chloride	62	1.543	1.543	0.000	98	1214022	100.0	101.5	
144 Butadiene	54	1.549	1.549	0.000	96	1551267	100.0	101.2	
15 Bromomethane	94	1.847	1.853	-0.006	91	595040	100.0	91.8	
16 Chloroethane	64	1.927	1.926	0.000	95	720493	100.0	91.0	
17 Dichlorofluoromethane	67	2.152	2.152	0.000	97	1536539	100.0	101.2	
18 Trichlorofluoromethane	101	2.170	2.164	0.006	97	1239003	100.0	105.5	
19 Ethyl ether	59	2.438	2.437	0.001	93	1110918	100.0	100.4	
20 Acrolein	56	2.614	2.614	0.000	98	271121	500.0	432.0	M
21 112TCTFE	101	2.644	2.644	0.000	93	736254	100.0	104.6	
22 1,1-Dichloroethene	96	2.663	2.656	0.007	91	755999	100.0	100.9	
23 Acetone	43	2.772	2.772	0.000	97	2242618	500.0	432.0	M
24 Iodomethane	142	2.827	2.827	0.000	98	1312742	100.0	101.0	
25 Carbon disulfide	76	2.863	2.857	0.006	99	2445788	100.0	105.2	
27 3-Chloro-1-propene	41	3.022	3.015	0.007	88	2588347	100.0	97.6	
28 Methyl acetate	43	3.070	3.070	0.000	99	2827528	200.0	183.0	
30 Methylene Chloride	84	3.174	3.167	0.007	88	820162	100.0	99.1	
31 2-Methyl-2-propanol	59	3.344	3.344	0.000	97	1201669	1000.0	793.4	
32 Methyl tert-butyl ether	73	3.374	3.374	0.000	96	2773495	100.0	99.1	
33 trans-1,2-Dichloroethene	96	3.393	3.393	0.000	90	865364	100.0	102.5	
34 Acrylonitrile	53	3.453	3.447	0.006	99	6700079	1000.0	902.8	
35 Hexane	57	3.587	3.587	0.000	96	1895288	100.0	105.8	

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	3.812	3.806	0.006	96	1912900	100.0	103.1	
39 Vinyl acetate	43	3.867	3.867	0.000	96	8157611	200.0	210.9	
42 2,2-Dichloropropane	77	4.330	4.323	0.007	88	688942	100.0	89.8	
43 cis-1,2-Dichloroethene	96	4.366	4.360	0.006	86	943606	100.0	99.1	
44 2-Butanone (MEK)	43	4.403	4.402	0.001	96	4296102	500.0	455.7	
47 Chlorobromomethane	128	4.597	4.597	0.000	84	486426	100.0	95.7	
49 Tetrahydrofuran	42	4.615	4.621	-0.006	93	1179257	200.0	173.9	
50 Chloroform	83	4.676	4.676	0.000	95	1497220	100.0	98.6	
51 1,1,1-Trichloroethane	97	4.786	4.786	0.000	96	1272782	100.0	104.5	
52 Cyclohexane	56	4.792	4.792	0.000	94	2393926	100.0	108.4	
53 Carbon tetrachloride	117	4.926	4.920	0.006	94	1204681	100.0	106.9	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	85	1186507	100.0	105.7	
55 Benzene	78	5.139	5.139	0.000	95	3518419	100.0	103.6	
56 Isobutyl alcohol	43	5.169	5.169	0.000	95	2030443	2500.0	2004.5	
57 1,2-Dichloroethane	62	5.212	5.212	0.000	94	1522271	100.0	98.3	
59 n-Heptane	43	5.321	5.321	0.000	95	2238775	100.0	94.9	
60 Trichloroethene	95	5.753	5.747	0.006	94	891881	100.0	107.9	
62 Methylcyclohexane	83	5.869	5.869	0.000	94	1485830	100.0	104.4	
63 1,2-Dichloropropane	63	5.990	5.990	0.000	89	1055033	100.0	101.2	
64 Dibromomethane	93	6.130	6.130	0.000	96	558645	100.0	97.7	
66 1,4-Dioxane	88	6.136	6.136	0.000	93	172017	2000.0	1619.0	
67 Dichlorobromomethane	83	6.282	6.282	0.000	95	1141374	100.0	105.0	
69 2-Chloroethyl vinyl ether	63	6.562	6.562	0.000	85	734730	100.0	111.9	
71 cis-1,3-Dichloropropene	75	6.696	6.696	0.000	85	1453198	100.0	108.6	
72 4-Methyl-2-pentanone (MIBK)	58	6.848	6.842	0.006	97	2987546	500.0	482.0	
73 Toluene	92	6.988	6.982	0.006	96	2223914	100.0	101.3	
75 trans-1,3-Dichloropropene	75	7.268	7.268	0.000	94	1372128	100.0	105.7	
77 Ethyl methacrylate	69	7.317	7.316	0.001	89	1161702	100.0	105.5	
78 1,1,2-Trichloroethane	83	7.456	7.456	0.000	94	611438	100.0	96.5	
79 Tetrachloroethene	166	7.517	7.517	0.000	96	949487	100.0	106.6	
80 1,3-Dichloropropane	76	7.621	7.621	0.000	90	1320457	100.0	105.5	
82 2-Hexanone	43	7.688	7.688	0.000	97	6321086	500.0	517.4	
83 Chlorodibromomethane	129	7.858	7.852	0.006	89	908273	100.0	109.4	
84 Ethylene Dibromide	107	7.961	7.955	0.006	98	812297	100.0	103.9	
85 Chlorobenzene	112	8.436	8.430	0.006	93	2499268	100.0	104.9	
88 Ethylbenzene	91	8.527	8.521	0.006	99	4167075	100.0	104.0	
89 1,1,1,2-Tetrachloroethane	131	8.533	8.533	0.000	93	910067	100.0	101.1	
90 m-Xylene & p-Xylene	106	8.649	8.649	0.000	98	1565441	100.0	102.4	
91 o-Xylene	106	9.075	9.075	0.000	98	1529706	100.0	103.9	
92 Styrene	104	9.105	9.105	0.000	94	2656802	100.0	105.3	
93 Bromoform	173	9.355	9.354	0.001	96	663263	100.0	112.7	
95 Isopropylbenzene	105	9.458	9.458	0.000	96	4171174	100.0	102.9	
97 Bromobenzene	156	9.805	9.805	0.000	90	1038554	100.0	101.9	
98 1,1,2,2-Tetrachloroethane	83	9.866	9.866	0.000	93	1046583	100.0	96.3	
100 N-Propylbenzene	91	9.890	9.884	0.006	99	4981529	100.0	104.6	
99 1,2,3-Trichloropropane	110	9.896	9.896	0.000	91	319019	100.0	99.5	
101 trans-1,4-Dichloro-2-butene	53	9.914	9.914	0.000	85	581184	100.0	101.3	
102 2-Chlorotoluene	126	9.993	9.987	0.006	96	965806	100.0	103.5	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	95	3401921	100.0	103.9	
105 4-Chlorotoluene	91	10.103	10.103	0.000	98	3037816	100.0	101.8	
106 tert-Butylbenzene	134	10.383	10.383	0.000	95	770913	100.0	104.9	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	98	3488235	100.0	104.2	

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	10.596	10.596	0.000	95	4354670	100.0	103.9	
110 1,3-Dichlorobenzene	146	10.729	10.729	0.000	97	2001670	100.0	102.3	
111 4-Isopropyltoluene	119	10.736	10.735	0.001	98	3926351	100.0	103.7	
113 1,4-Dichlorobenzene	146	10.821	10.821	0.000	94	2049855	100.0	101.9	
115 n-Butylbenzene	91	11.119	11.119	0.000	98	3447127	100.0	103.9	
116 1,2-Dichlorobenzene	146	11.174	11.167	0.007	97	1934831	100.0	98.1	
117 1,2-Dibromo-3-Chloropropane	75	11.904	11.904	0.000	82	243512	100.0	91.3	
119 1,2,4-Trichlorobenzene	180	12.579	12.579	0.000	94	1446659	100.0	101.7	
120 Hexachlorobutadiene	225	12.688	12.688	0.000	97	631404	100.0	93.5	
121 Naphthalene	128	12.792	12.792	0.000	97	4150491	100.0	105.4	
122 1,2,3-Trichlorobenzene	180	12.993	12.992	0.001	96	1358599	100.0	96.9	
S 123 1,3-Dichloropropene, Total	1				0			214.3	
S 124 1,2-Dichloroethene, Total	1				0			201.6	
S 126 Xylenes, Total	1				0			206.2	
S 125 Total BTEX	1				0			515.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00212

Amount Added: 50.00

Units: uL

GAS CORP mix_00469

Amount Added: 50.00

Units: uL

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5359.D

Injection Date: 26-Aug-2021 15:22:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 7

Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL

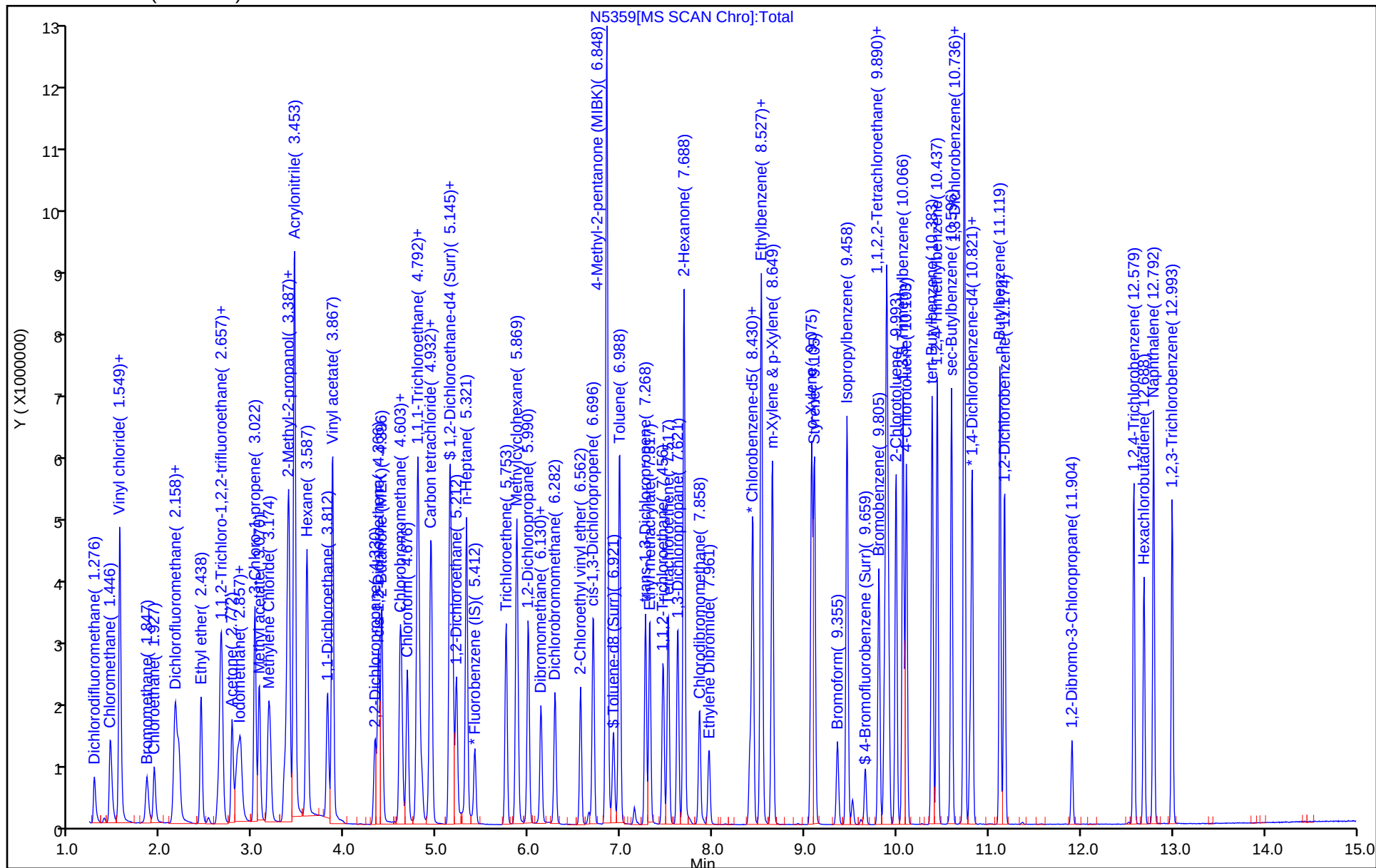
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5359.D

Injection Date: 26-Aug-2021 15:22:30

Instrument ID: HP5973N

Lims ID: IC 7

Client ID:

Operator ID: LH

ALS Bottle#:

14

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)

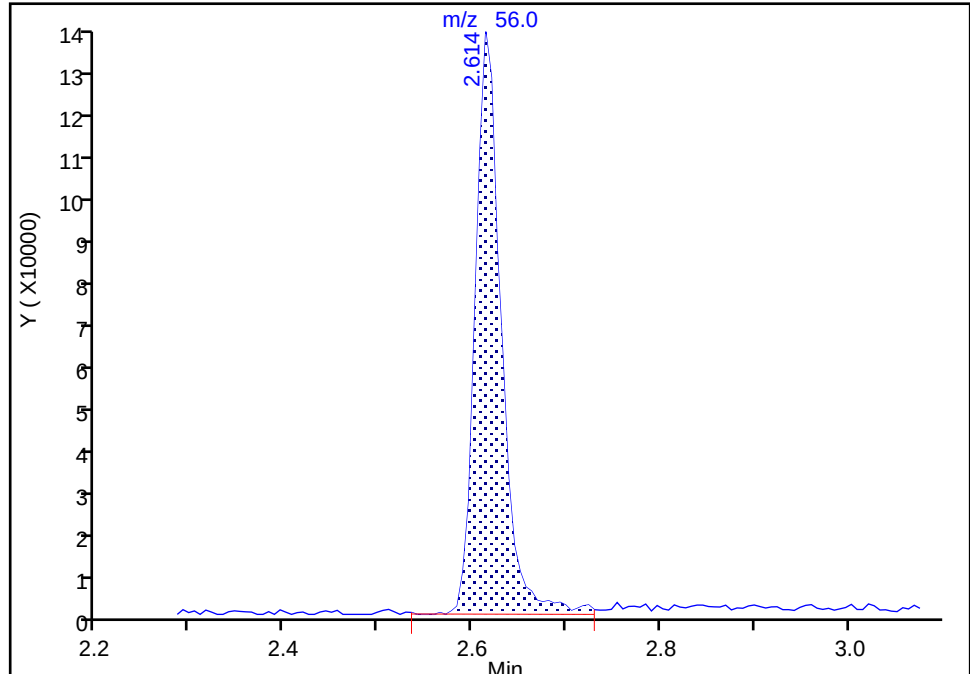
Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

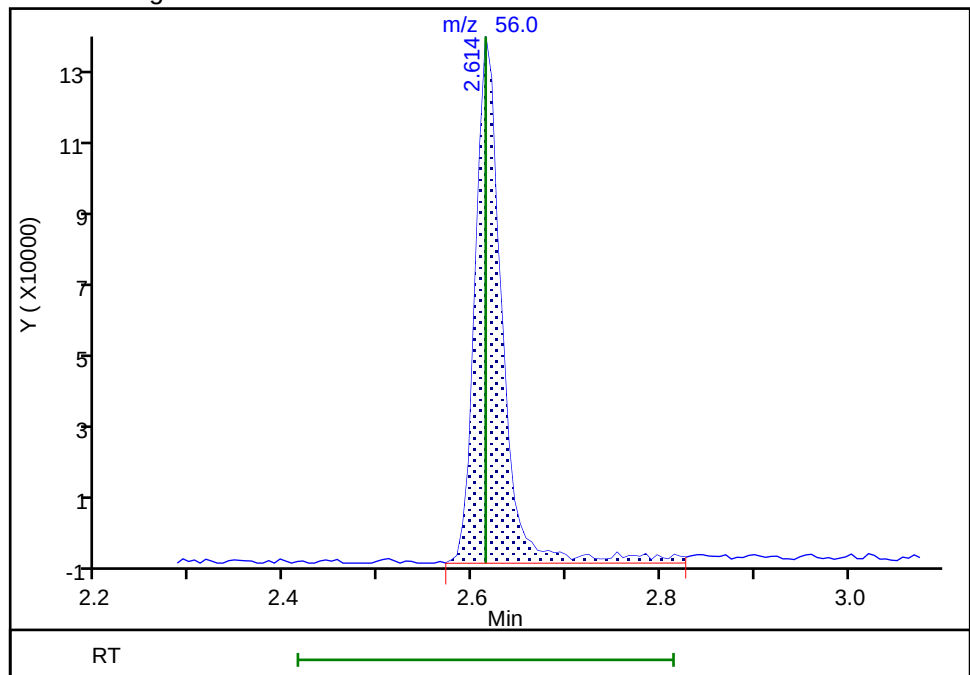
RT: 2.61
Area: 261288
Amount: 417.3395
Amount Units: ug/L

Processing Integration Results



RT: 2.61
Area: 271121
Amount: 431.9880
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 27-Aug-2021 09:37:05

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5359.D

Injection Date: 26-Aug-2021 15:22:30

Instrument ID: HP5973N

Lims ID: IC 7

Client ID:

Operator ID: LH

ALS Bottle#:

14

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)

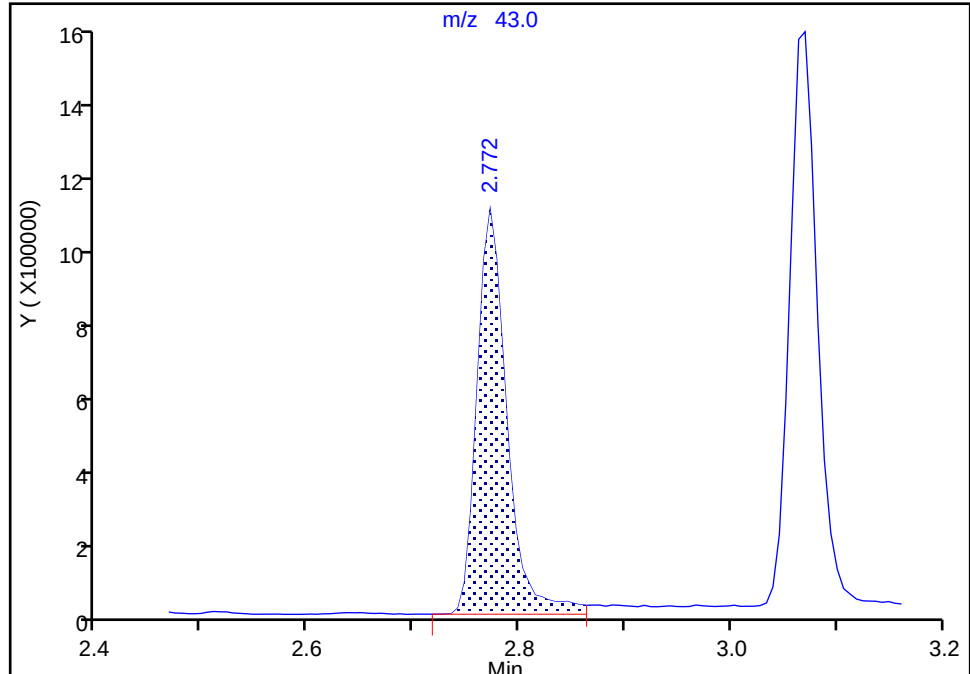
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

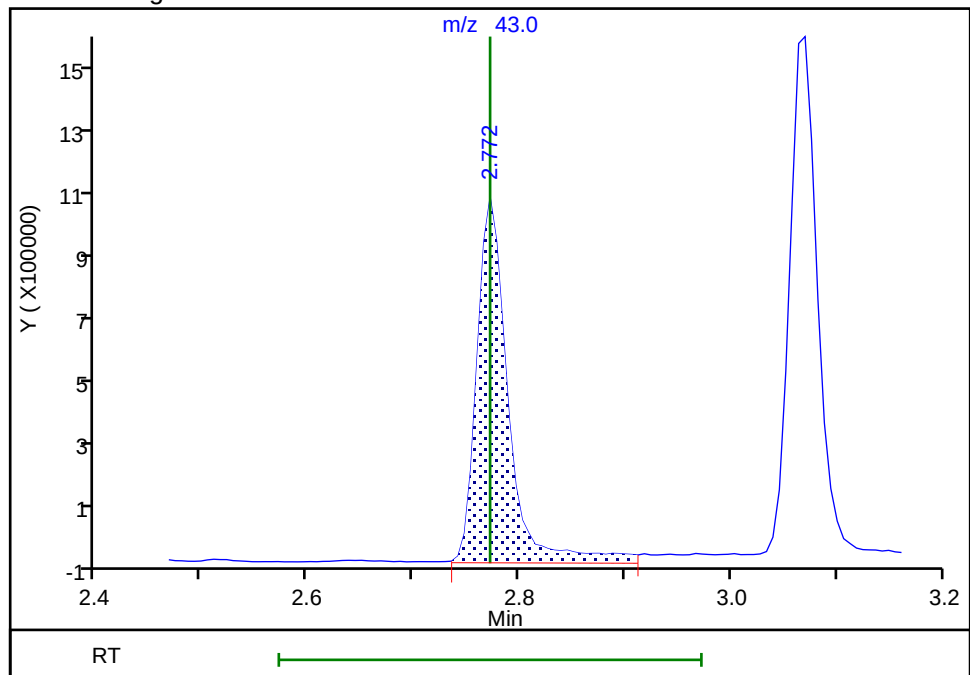
RT: 2.77
Area: 2134635
Amount: 413.6580
Amount Units: ug/L

Processing Integration Results



RT: 2.77
Area: 2242618
Amount: 432.0006
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 27-Aug-2021 09:39:28

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

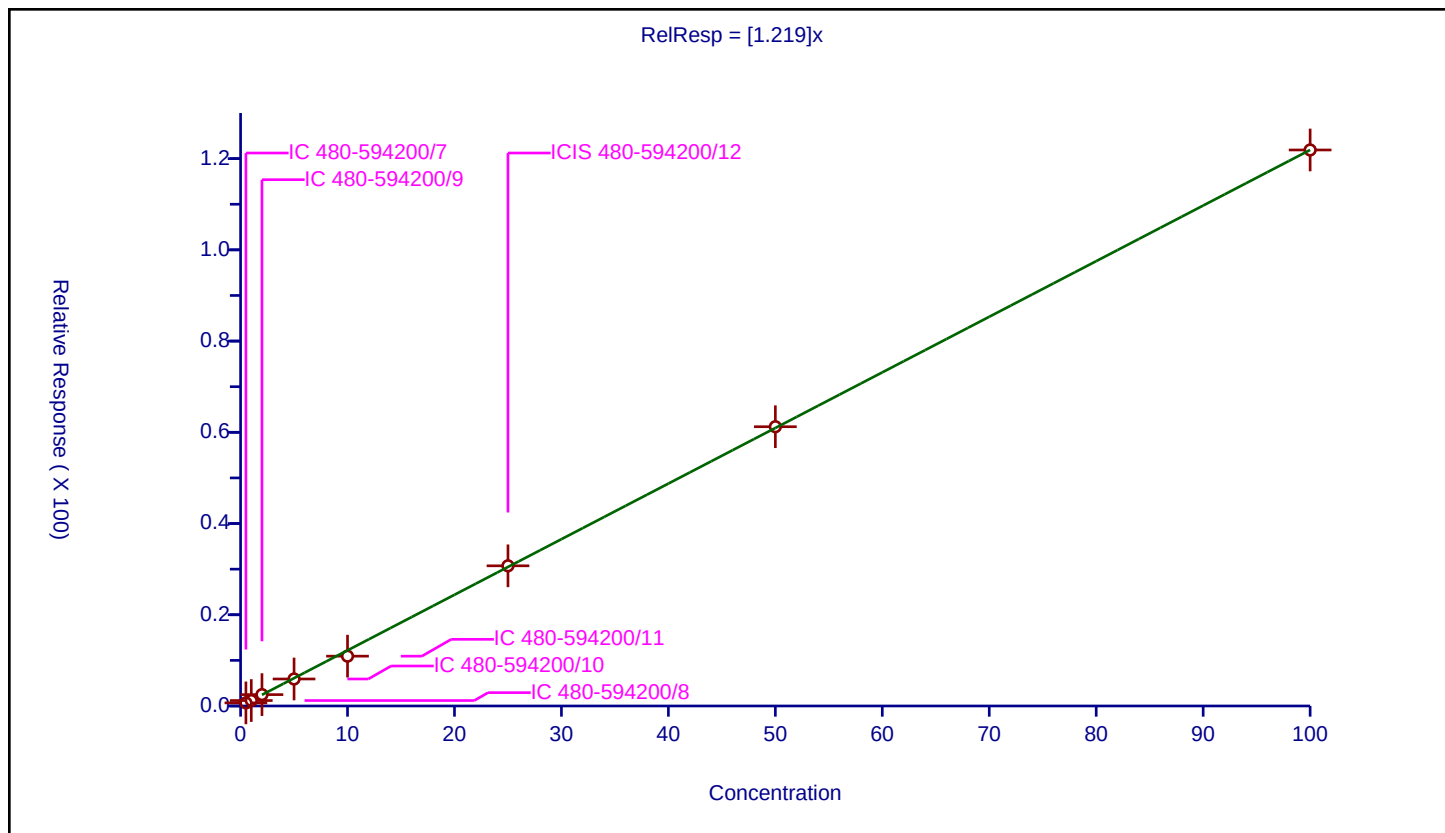
Curve Coefficients

Intercept: 0
Slope: 1.219

Error Coefficients

Standard Error: 340000
Relative Standard Error: 6.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.679129	25.0	160242.0	1.358258	Y
2	IC 480-594200/8	1.0	1.197786	25.0	153408.0	1.197786	Y
3	IC 480-594200/9	2.0	2.493874	25.0	154248.0	1.246937	Y
4	IC 480-594200/10	5.0	5.918884	25.0	162877.0	1.183777	Y
5	IC 480-594200/11	10.0	10.92628	25.0	164189.0	1.092628	Y
6	ICIS 480-594200/12	25.0	30.731479	25.0	154502.0	1.229259	Y
7	IC 480-594200/13	50.0	61.225886	25.0	164114.0	1.224518	Y
8	IC 480-594200/14	100.0	121.899299	25.0	159343.0	1.218993	Y



Calibration

/ Chloromethane

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

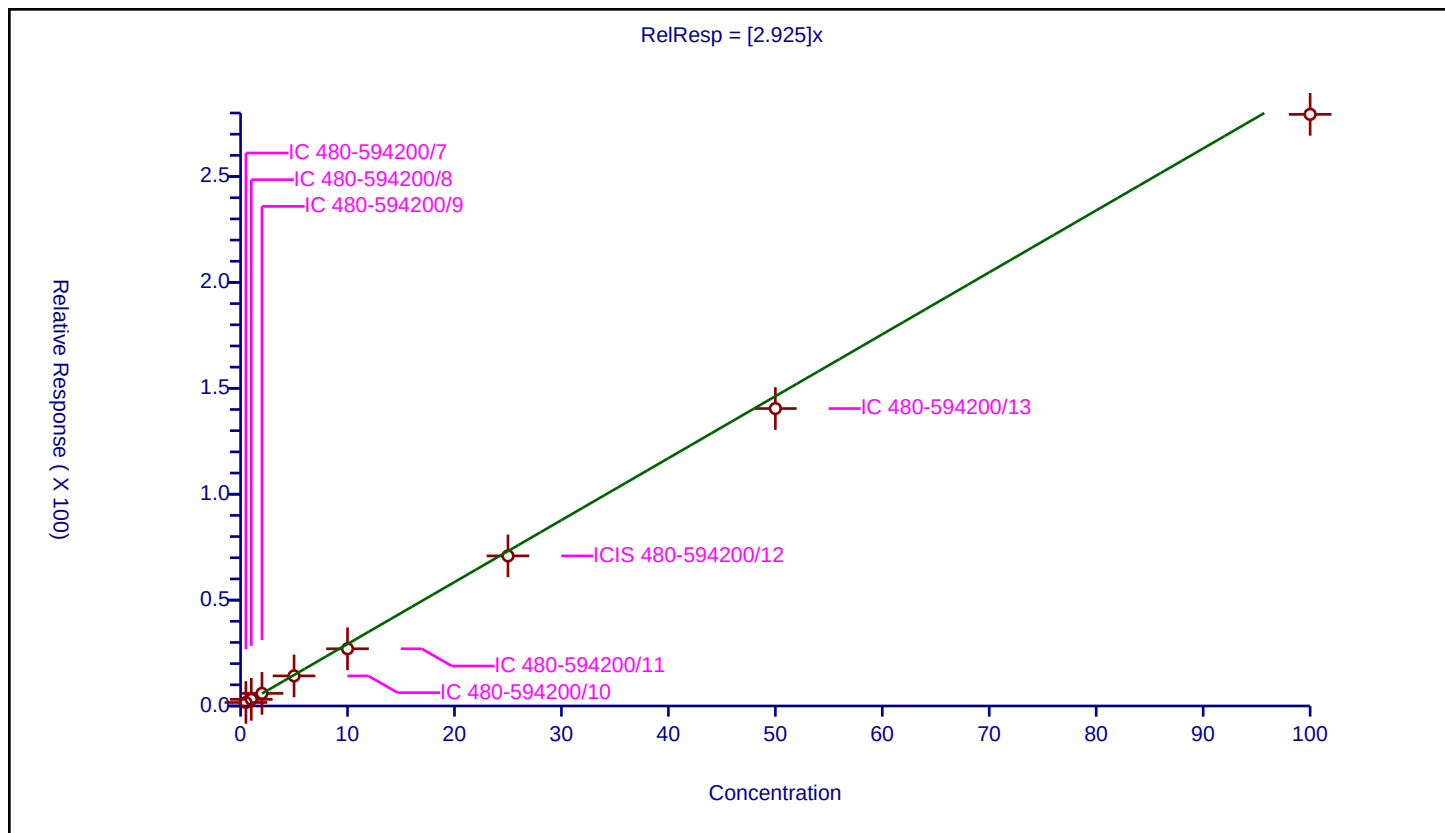
Curve Coefficients

Intercept: 0
 Slope: 2.925

Error Coefficients

Standard Error: 779000
 Relative Standard Error: 7.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.657961	25.0	160242.0	3.315922	Y
2	IC 480-594200/8	1.0	3.128096	25.0	153408.0	3.128096	Y
3	IC 480-594200/9	2.0	5.951941	25.0	154248.0	2.975971	Y
4	IC 480-594200/10	5.0	14.210416	25.0	162877.0	2.842083	Y
5	IC 480-594200/11	10.0	27.01399	25.0	164189.0	2.701399	Y
6	ICIS 480-594200/12	25.0	70.870118	25.0	154502.0	2.834805	Y
7	IC 480-594200/13	50.0	140.456024	25.0	164114.0	2.80912	Y
8	IC 480-594200/14	100.0	279.372015	25.0	159343.0	2.79372	Y



Calibration

/ Vinyl chloride

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

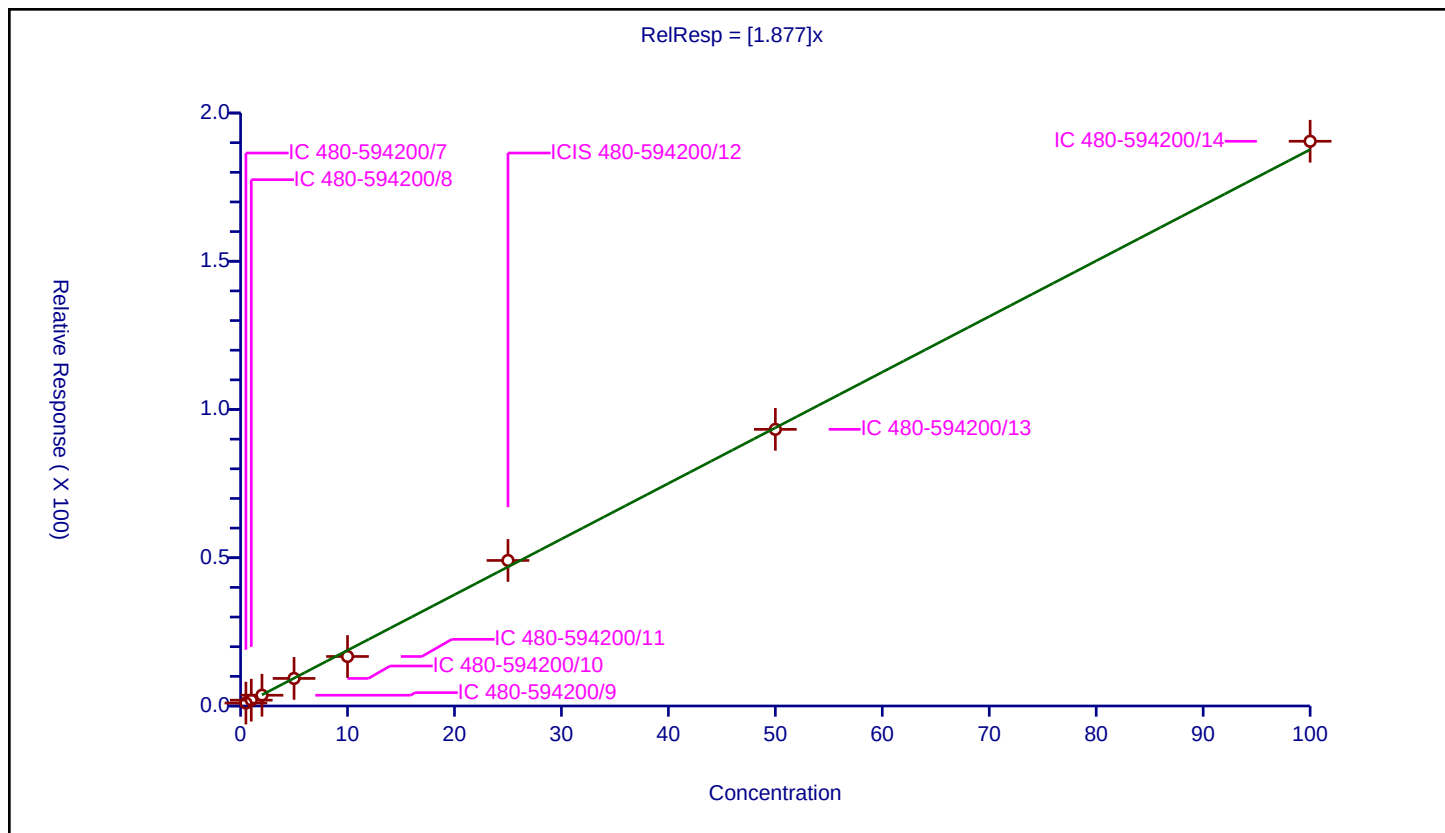
Curve Coefficients

Intercept: 0
Slope: 1.877

Error Coefficients

Standard Error: 529000
Relative Standard Error: 5.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.984761	25.0	160242.0	1.969521	Y
2	IC 480-594200/8	1.0	1.963066	25.0	153408.0	1.963066	Y
3	IC 480-594200/9	2.0	3.633272	25.0	154248.0	1.816636	Y
4	IC 480-594200/10	5.0	9.299502	25.0	162877.0	1.8599	Y
5	IC 480-594200/11	10.0	16.698896	25.0	164189.0	1.66989	Y
6	ICIS 480-594200/12	25.0	49.085287	25.0	154502.0	1.963411	Y
7	IC 480-594200/13	50.0	93.30572	25.0	164114.0	1.866114	Y
8	IC 480-594200/14	100.0	190.473068	25.0	159343.0	1.904731	Y



Calibration

/ Butadiene

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

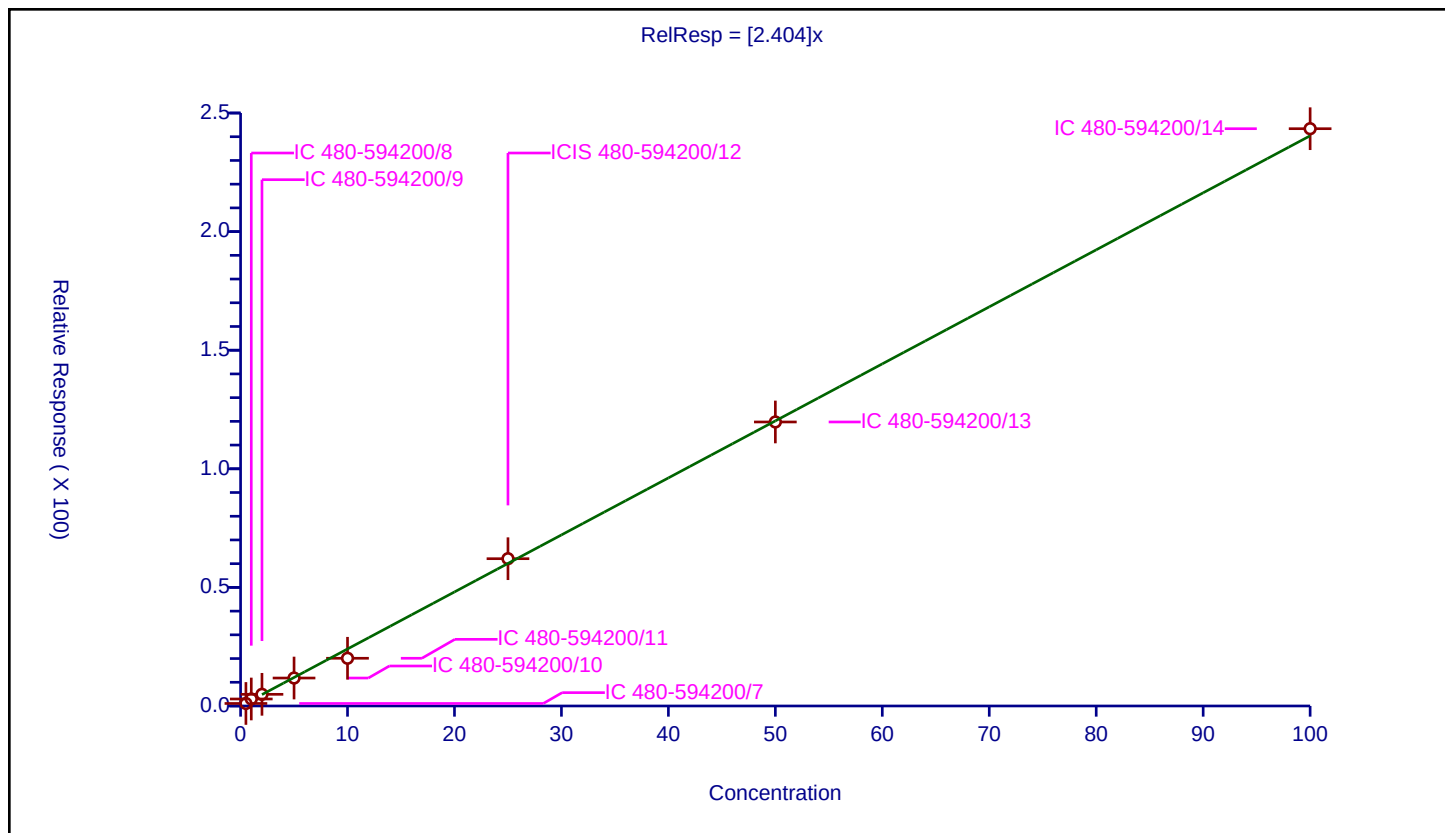
Curve Coefficients

Intercept: 0
 Slope: 2.404

Error Coefficients

Standard Error: 676000
 Relative Standard Error: 11.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.065576	25.0	160242.0	2.131152	Y
2	IC 480-594200/8	1.0	2.955028	25.0	153408.0	2.955028	Y
3	IC 480-594200/9	2.0	4.923727	25.0	154248.0	2.461863	Y
4	IC 480-594200/10	5.0	11.792795	25.0	162877.0	2.358559	Y
5	IC 480-594200/11	10.0	20.123912	25.0	164189.0	2.012391	Y
6	ICIS 480-594200/12	25.0	62.104374	25.0	154502.0	2.484175	Y
7	IC 480-594200/13	50.0	119.737195	25.0	164114.0	2.394744	Y
8	IC 480-594200/14	100.0	243.384868	25.0	159343.0	2.433849	Y



Calibration

/ Bromomethane

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

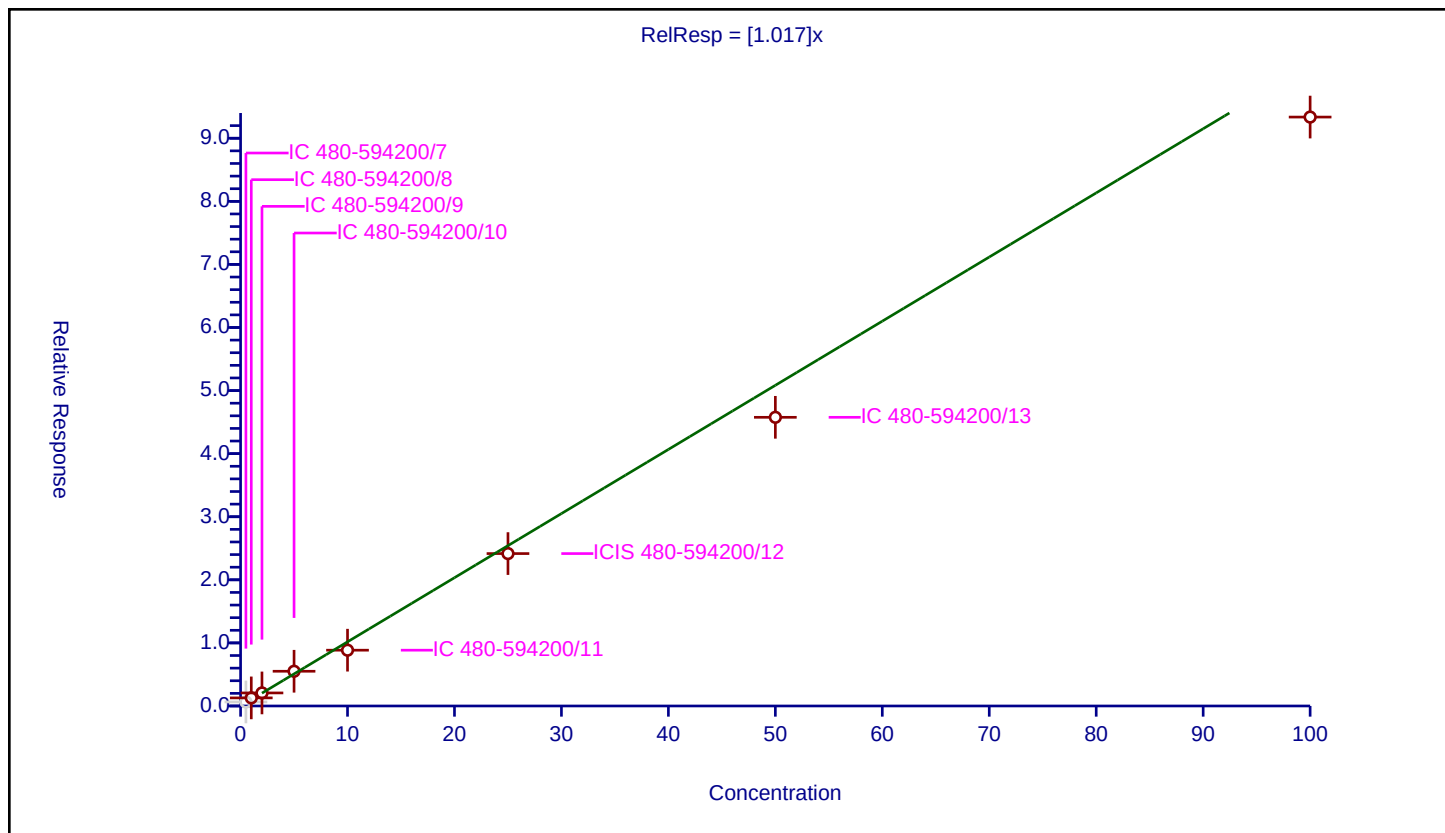
Curve Coefficients

Intercept: 0
 Slope: 1.017

Error Coefficients

Standard Error: 280000
 Relative Standard Error: 13.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.642466	25.0	160242.0	1.284932	N
2	IC 480-594200/8	1.0	1.281061	25.0	153408.0	1.281061	Y
3	IC 480-594200/9	2.0	2.069071	25.0	154248.0	1.034535	Y
4	IC 480-594200/10	5.0	5.507377	25.0	162877.0	1.101475	Y
5	IC 480-594200/11	10.0	8.847121	25.0	164189.0	0.884712	Y
6	ICIS 480-594200/12	25.0	24.159558	25.0	154502.0	0.966382	Y
7	IC 480-594200/13	50.0	45.760721	25.0	164114.0	0.915214	Y
8	IC 480-594200/14	100.0	93.358353	25.0	159343.0	0.933584	Y



Calibration

/ Chloroethane

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

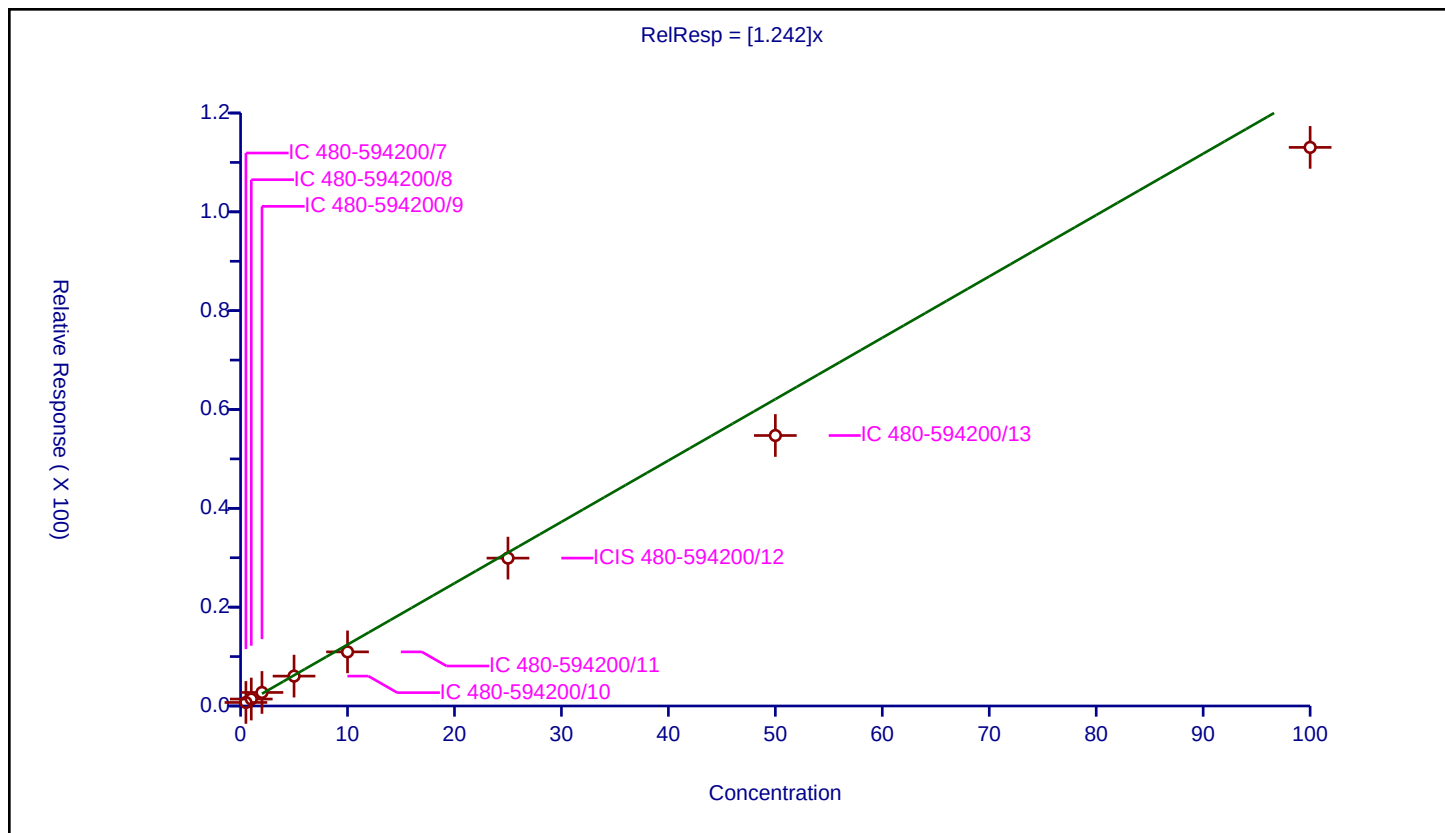
Curve Coefficients

Intercept: 0
Slope: 1.242

Error Coefficients

Standard Error: 314000
Relative Standard Error: 11.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.715948	25.0	160242.0	1.431897	Y
2	IC 480-594200/8	1.0	1.406217	25.0	153408.0	1.406217	Y
3	IC 480-594200/9	2.0	2.740392	25.0	154248.0	1.370196	Y
4	IC 480-594200/10	5.0	6.045513	25.0	162877.0	1.209103	Y
5	IC 480-594200/11	10.0	10.952317	25.0	164189.0	1.095232	Y
6	ICIS 480-594200/12	25.0	29.927444	25.0	154502.0	1.197098	Y
7	IC 480-594200/13	50.0	54.737103	25.0	164114.0	1.094742	Y
8	IC 480-594200/14	100.0	113.041207	25.0	159343.0	1.130412	Y



Calibration

/ Trichlorofluoromethane

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

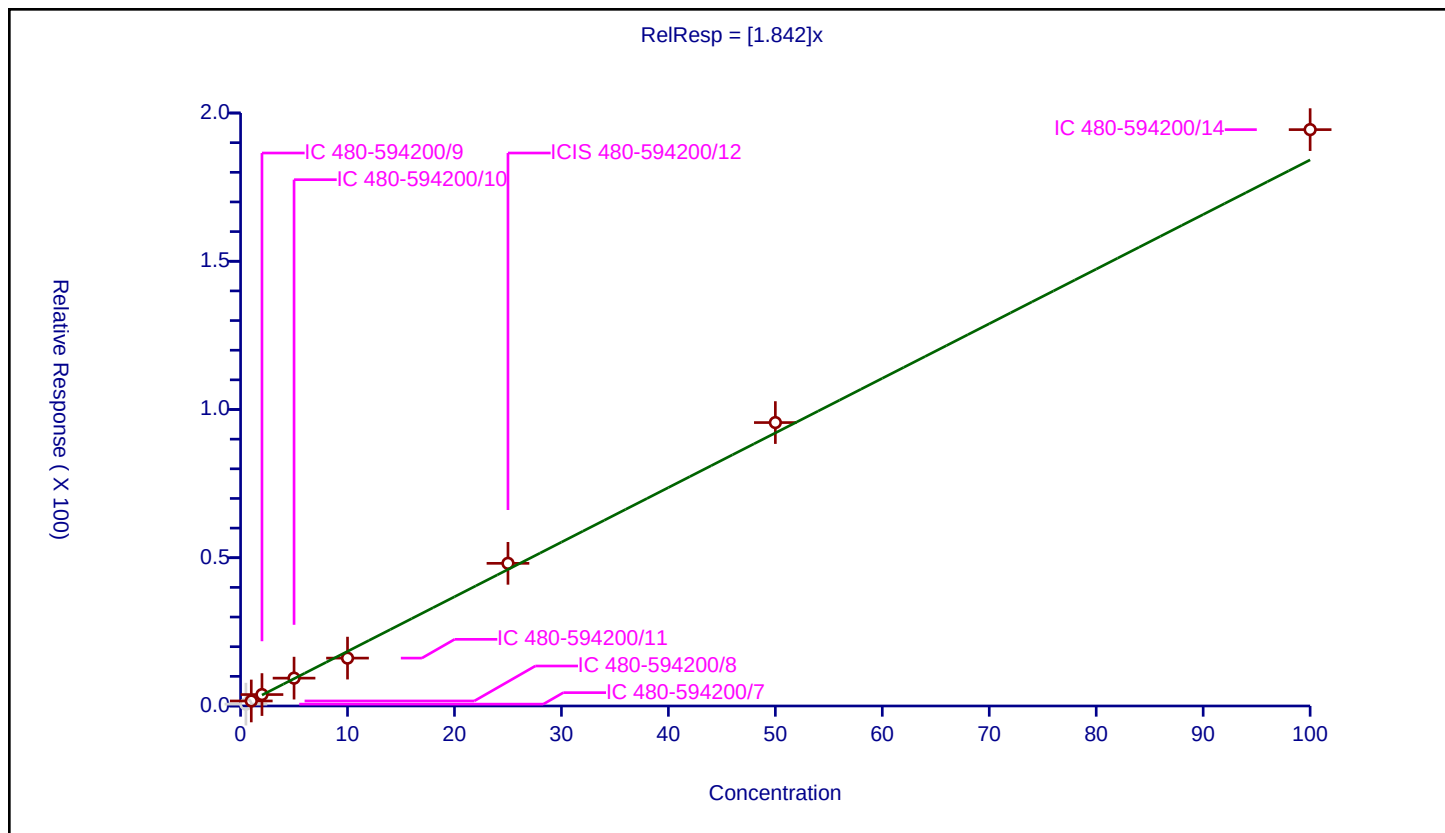
Curve Coefficients

Intercept: 0
Slope: 1.842

Error Coefficients

Standard Error: 582000
Relative Standard Error: 7.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.628268	25.0	160242.0	1.256537	N
2	IC 480-594200/8	1.0	1.692219	25.0	153408.0	1.692219	Y
3	IC 480-594200/9	2.0	3.854507	25.0	154248.0	1.927254	Y
4	IC 480-594200/10	5.0	9.390061	25.0	162877.0	1.878012	Y
5	IC 480-594200/11	10.0	16.151813	25.0	164189.0	1.615181	Y
6	ICIS 480-594200/12	25.0	48.116529	25.0	154502.0	1.924661	Y
7	IC 480-594200/13	50.0	95.59544	25.0	164114.0	1.911909	Y
8	IC 480-594200/14	100.0	194.392443	25.0	159343.0	1.943924	Y



Calibration

/ Dichlorofluoromethane

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

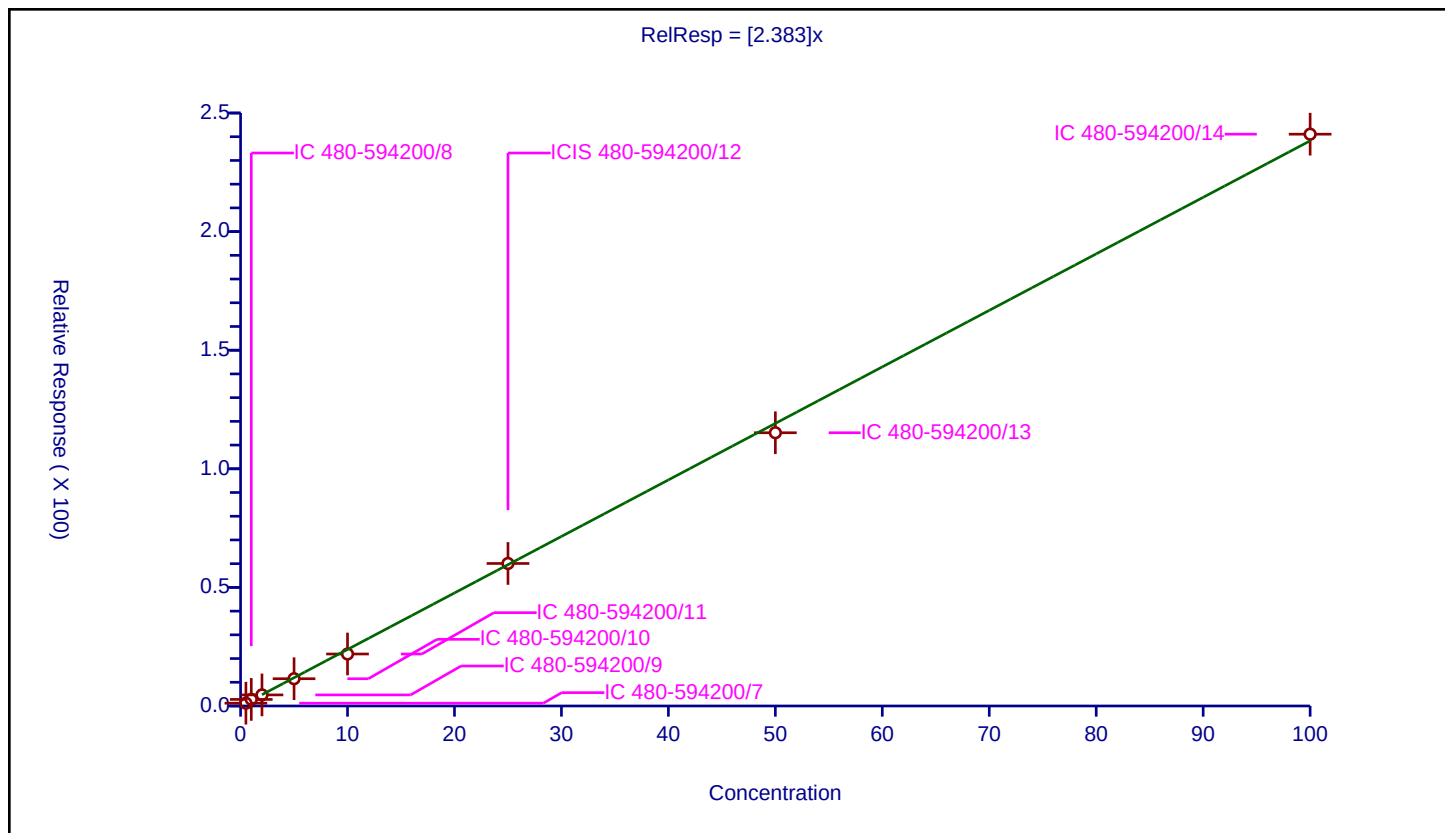
Curve Coefficients

Intercept: 0
Slope: 2.383

Error Coefficients

Standard Error: 665000
Relative Standard Error: 7.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.172445	25.0	160242.0	2.344891	Y
2	IC 480-594200/8	1.0	2.772346	25.0	153408.0	2.772346	Y
3	IC 480-594200/9	2.0	4.671698	25.0	154248.0	2.335849	Y
4	IC 480-594200/10	5.0	11.495638	25.0	162877.0	2.299128	Y
5	IC 480-594200/11	10.0	21.916206	25.0	164189.0	2.191621	Y
6	ICIS 480-594200/12	25.0	60.084821	25.0	154502.0	2.403393	Y
7	IC 480-594200/13	50.0	115.197363	25.0	164114.0	2.303947	Y
8	IC 480-594200/14	100.0	241.074129	25.0	159343.0	2.410741	Y



Calibration

/ Ethyl ether

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

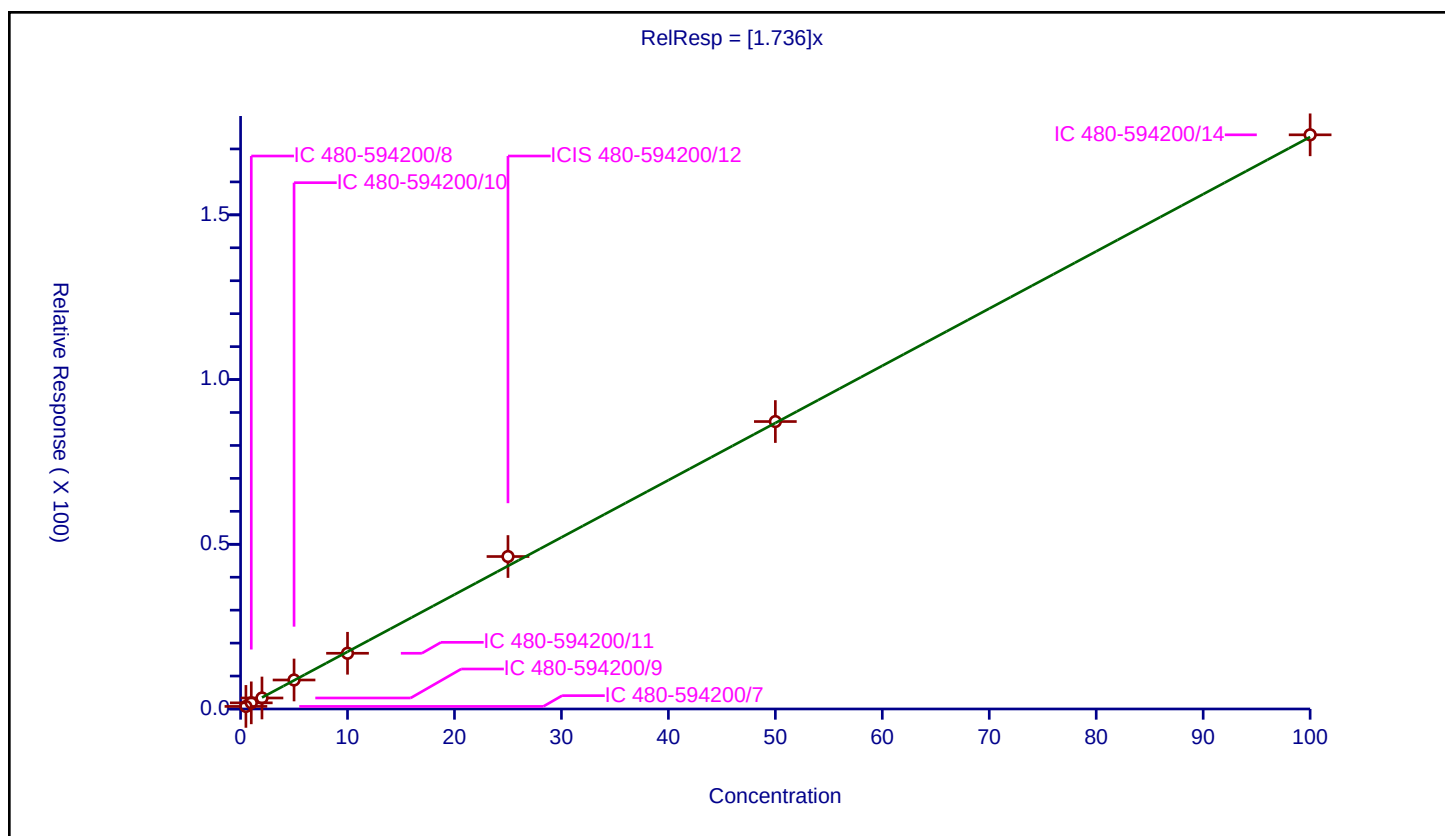
Curve Coefficients

Intercept: 0
 Slope: 1.736

Error Coefficients

Standard Error: 487000
 Relative Standard Error: 5.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.78007	25.0	160242.0	1.56014	Y
2	IC 480-594200/8	1.0	1.869036	25.0	153408.0	1.869036	Y
3	IC 480-594200/9	2.0	3.342183	25.0	154248.0	1.671091	Y
4	IC 480-594200/10	5.0	8.800045	25.0	162877.0	1.760009	Y
5	IC 480-594200/11	10.0	16.911608	25.0	164189.0	1.691161	Y
6	ICIS 480-594200/12	25.0	46.281925	25.0	154502.0	1.851277	Y
7	IC 480-594200/13	50.0	87.257943	25.0	164114.0	1.745159	Y
8	IC 480-594200/14	100.0	174.296643	25.0	159343.0	1.742966	Y



Calibration

/ Acrolein

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

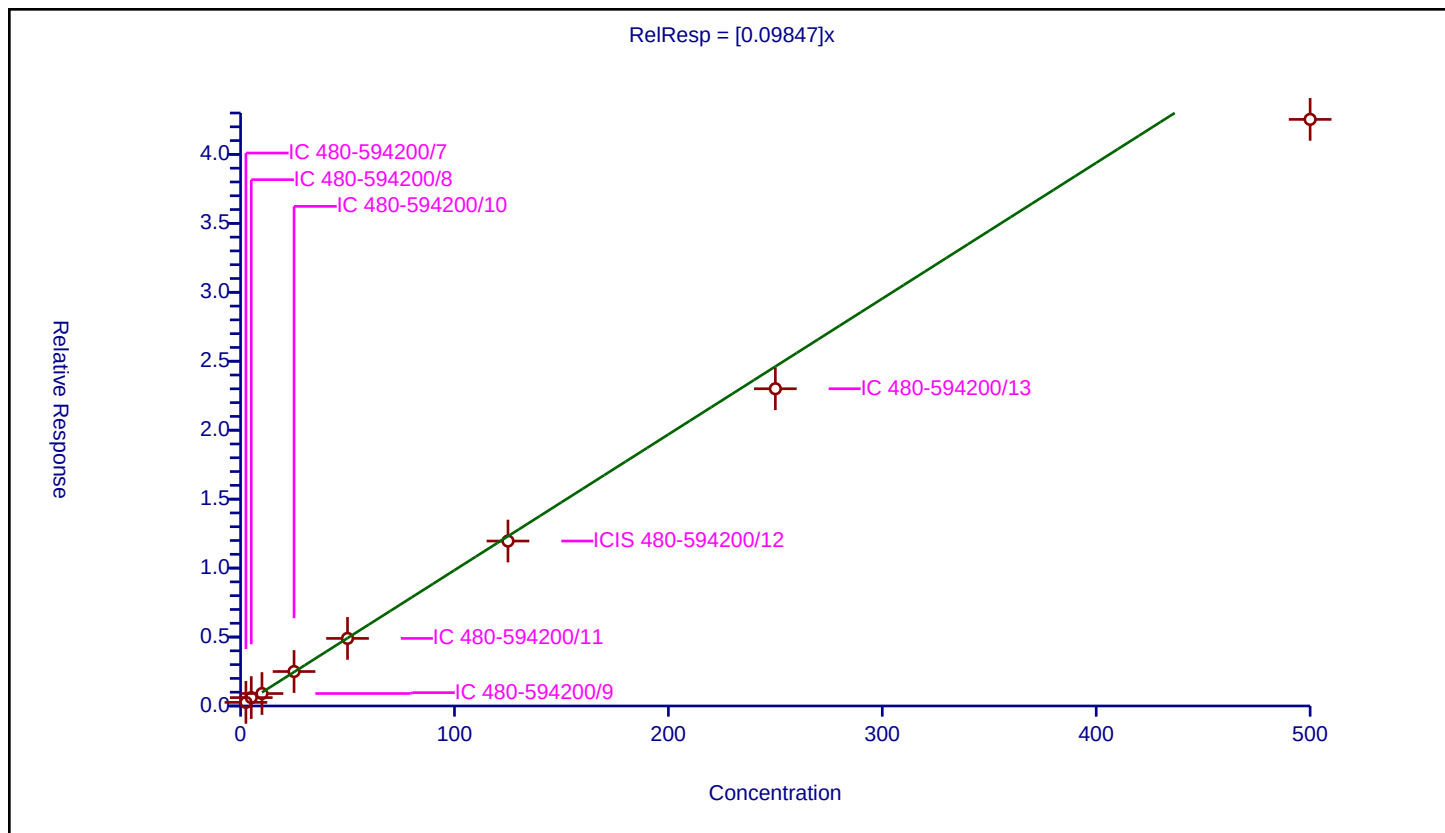
Curve Coefficients

Intercept: 0
 Slope: 0.09847

Error Coefficients

Standard Error: 121000
 Relative Standard Error: 11.3
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	2.5	0.262728	25.0	160242.0	0.105091	Y
2	IC 480-594200/8	5.0	0.607204	25.0	153408.0	0.121441	Y
3	IC 480-594200/9	10.0	0.90455	25.0	154248.0	0.090455	Y
4	IC 480-594200/10	25.0	2.498818	25.0	162877.0	0.099953	Y
5	IC 480-594200/11	50.0	4.901211	25.0	164189.0	0.098024	Y
6	ICIS 480-594200/12	125.0	11.961819	25.0	154502.0	0.095695	Y
7	IC 480-594200/13	250.0	23.004284	25.0	164114.0	0.092017	Y
8	IC 480-594200/14	500.0	42.537325	25.0	159343.0	0.085075	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

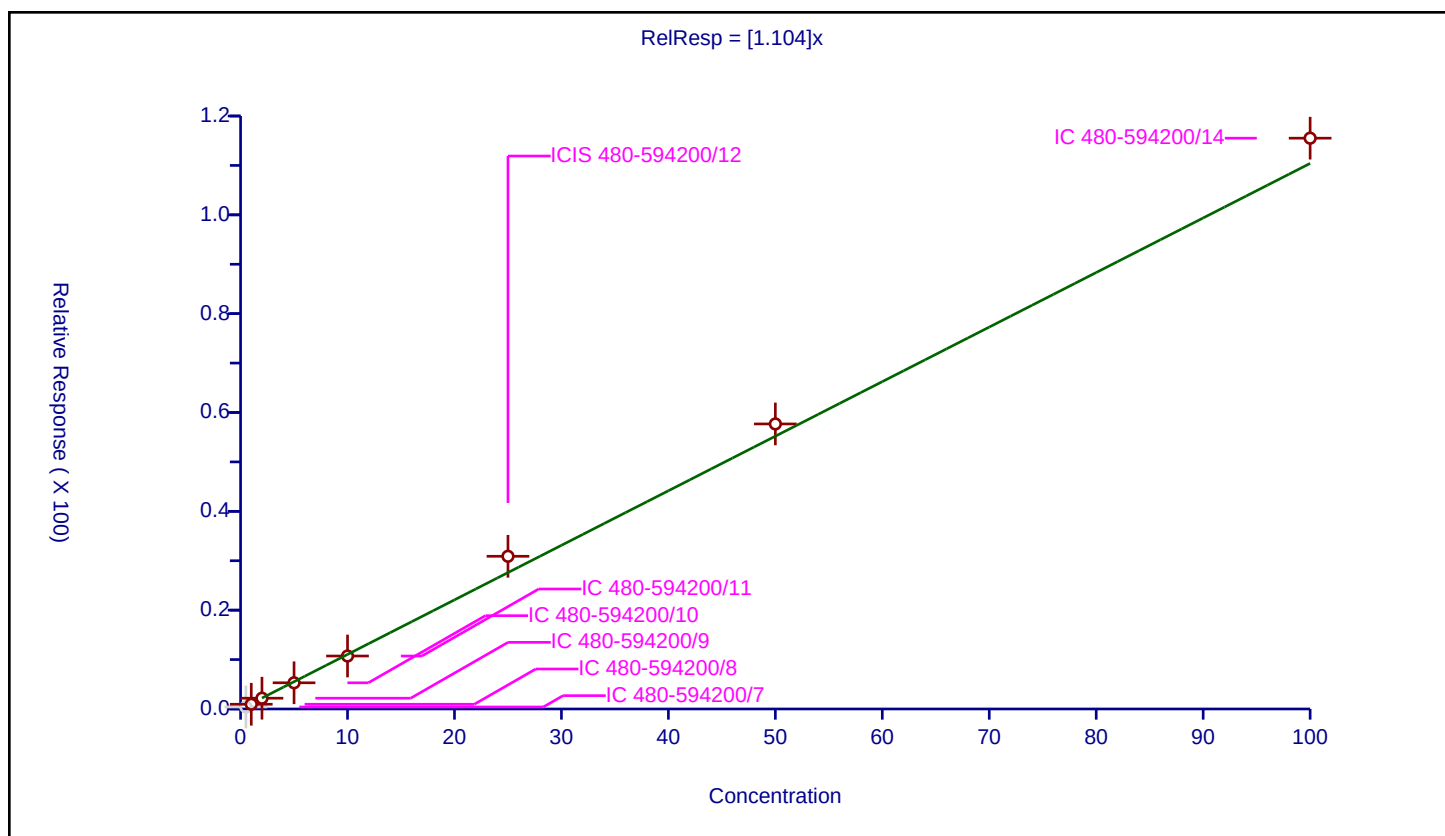
Curve Coefficients

Intercept: 0
 Slope: 1.104

Error Coefficients

Standard Error: 348000
 Relative Standard Error: 8.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.405012	25.0	160242.0	0.810025	N
2	IC 480-594200/8	1.0	0.960348	25.0	153408.0	0.960348	Y
3	IC 480-594200/9	2.0	2.1822	25.0	154248.0	1.0911	Y
4	IC 480-594200/10	5.0	5.300933	25.0	162877.0	1.060187	Y
5	IC 480-594200/11	10.0	10.719506	25.0	164189.0	1.071951	Y
6	ICIS 480-594200/12	25.0	30.903807	25.0	154502.0	1.236152	Y
7	IC 480-594200/13	50.0	57.685511	25.0	164114.0	1.15371	Y
8	IC 480-594200/14	100.0	115.514017	25.0	159343.0	1.15514	Y



Calibration

/ 1,1-Dichloroethene

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

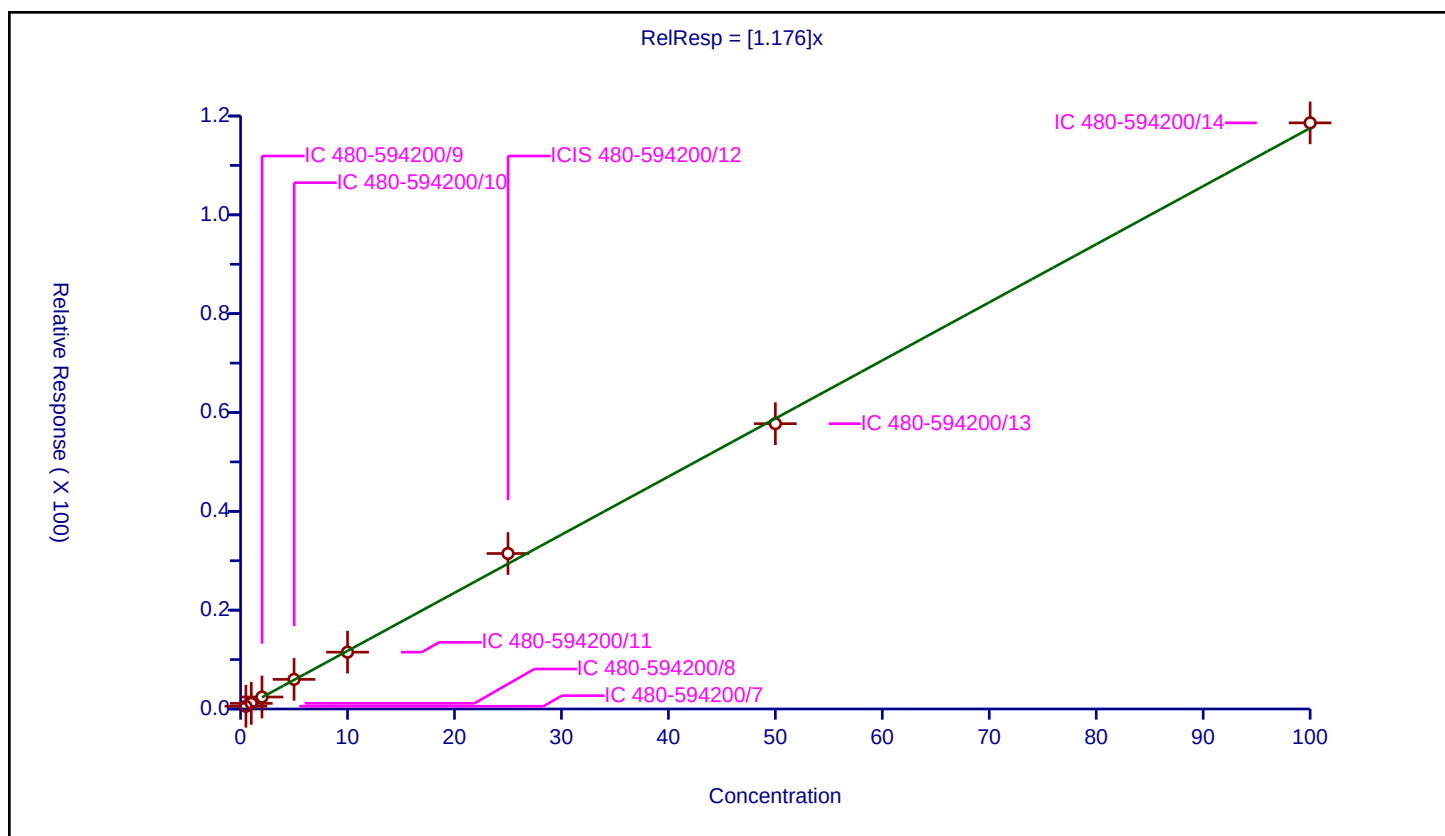
Curve Coefficients

Intercept: 0
 Slope: 1.176

Error Coefficients

Standard Error: 330000
 Relative Standard Error: 4.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.553226	25.0	160242.0	1.106451	Y
2	IC 480-594200/8	1.0	1.13586	25.0	153408.0	1.13586	Y
3	IC 480-594200/9	2.0	2.427422	25.0	154248.0	1.213711	Y
4	IC 480-594200/10	5.0	5.992252	25.0	162877.0	1.19845	Y
5	IC 480-594200/11	10.0	11.504425	25.0	164189.0	1.150442	Y
6	ICIS 480-594200/12	25.0	31.463023	25.0	154502.0	1.258521	Y
7	IC 480-594200/13	50.0	57.740656	25.0	164114.0	1.154813	Y
8	IC 480-594200/14	100.0	118.611894	25.0	159343.0	1.186119	Y



Calibration

/ Acetone

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

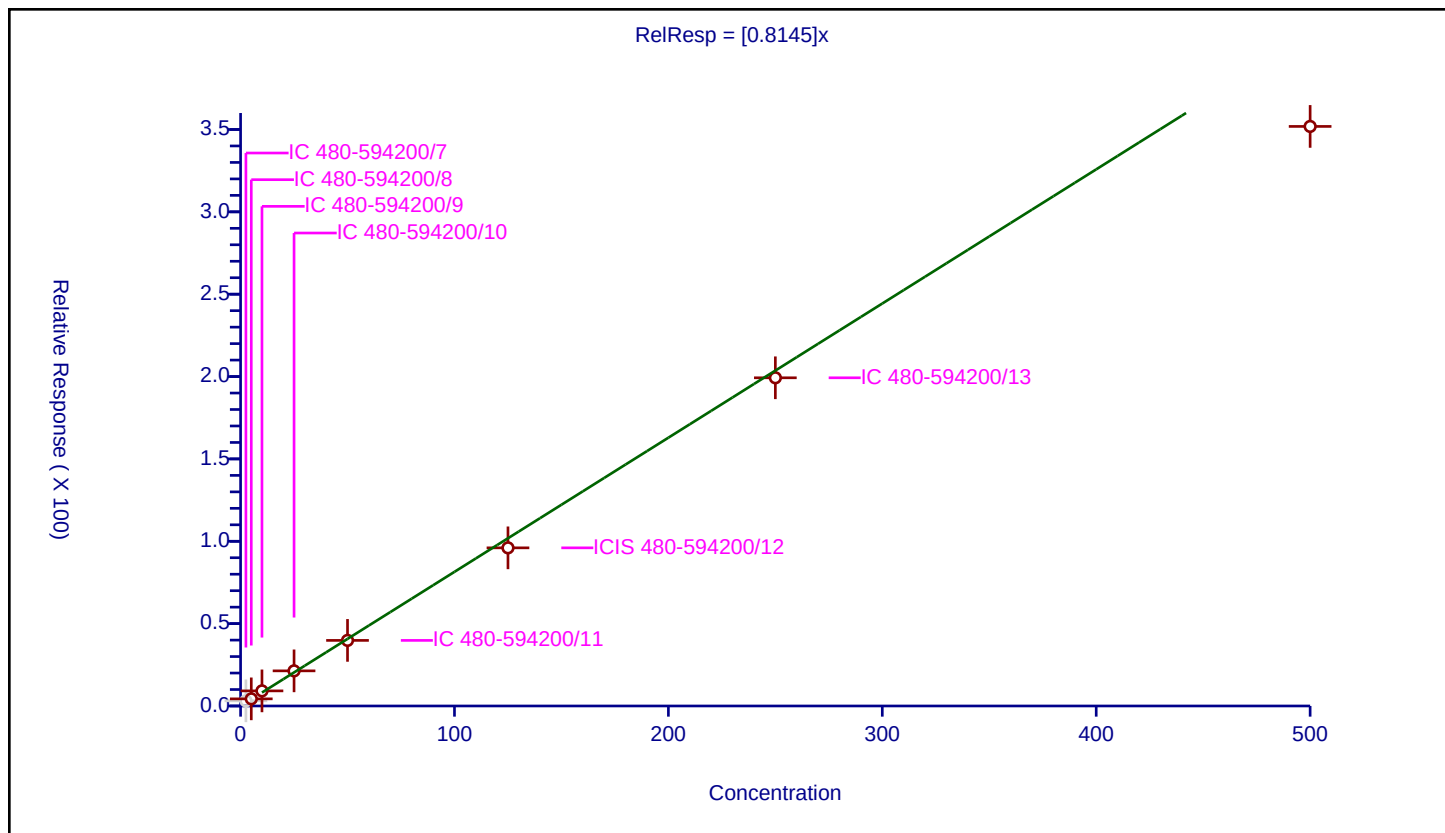
Curve Coefficients

Intercept: 0
 Slope: 0.8145

Error Coefficients

Standard Error: 1090000
 Relative Standard Error: 8.6
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	2.5	3.134478	25.0	160242.0	1.253791	N
2	IC 480-594200/8	5.0	4.332727	25.0	153408.0	0.866545	Y
3	IC 480-594200/9	10.0	9.165273	25.0	154248.0	0.916527	Y
4	IC 480-594200/10	25.0	21.331741	25.0	162877.0	0.85327	Y
5	IC 480-594200/11	50.0	39.812046	25.0	164189.0	0.796241	Y
6	ICIS 480-594200/12	125.0	96.005392	25.0	154502.0	0.768043	Y
7	IC 480-594200/13	250.0	199.248388	25.0	164114.0	0.796994	Y
8	IC 480-594200/14	500.0	351.853862	25.0	159343.0	0.703708	Y



Calibration

/ Iodomethane

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

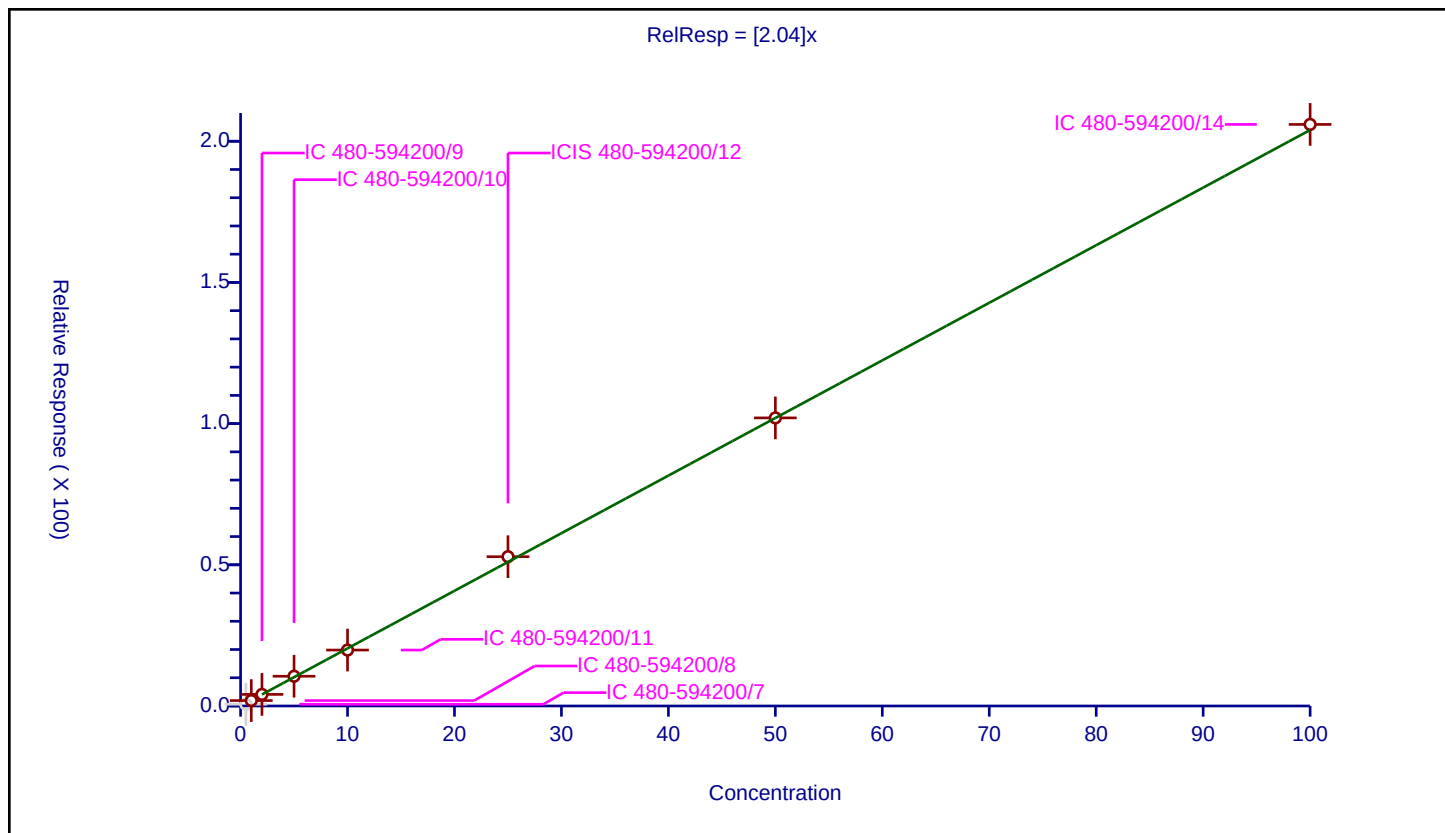
Curve Coefficients

Intercept: 0
 Slope: 2.04

Error Coefficients

Standard Error: 619000
 Relative Standard Error: 3.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.607987	25.0	160242.0	1.215973	N
2	IC 480-594200/8	1.0	1.922651	25.0	153408.0	1.922651	Y
3	IC 480-594200/9	2.0	4.105726	25.0	154248.0	2.052863	Y
4	IC 480-594200/10	5.0	10.537246	25.0	162877.0	2.107449	Y
5	IC 480-594200/11	10.0	19.80629	25.0	164189.0	1.980629	Y
6	ICIS 480-594200/12	25.0	52.867762	25.0	154502.0	2.11471	Y
7	IC 480-594200/13	50.0	102.024355	25.0	164114.0	2.040487	Y
8	IC 480-594200/14	100.0	205.961668	25.0	159343.0	2.059617	Y



Calibration

/ Carbon disulfide

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

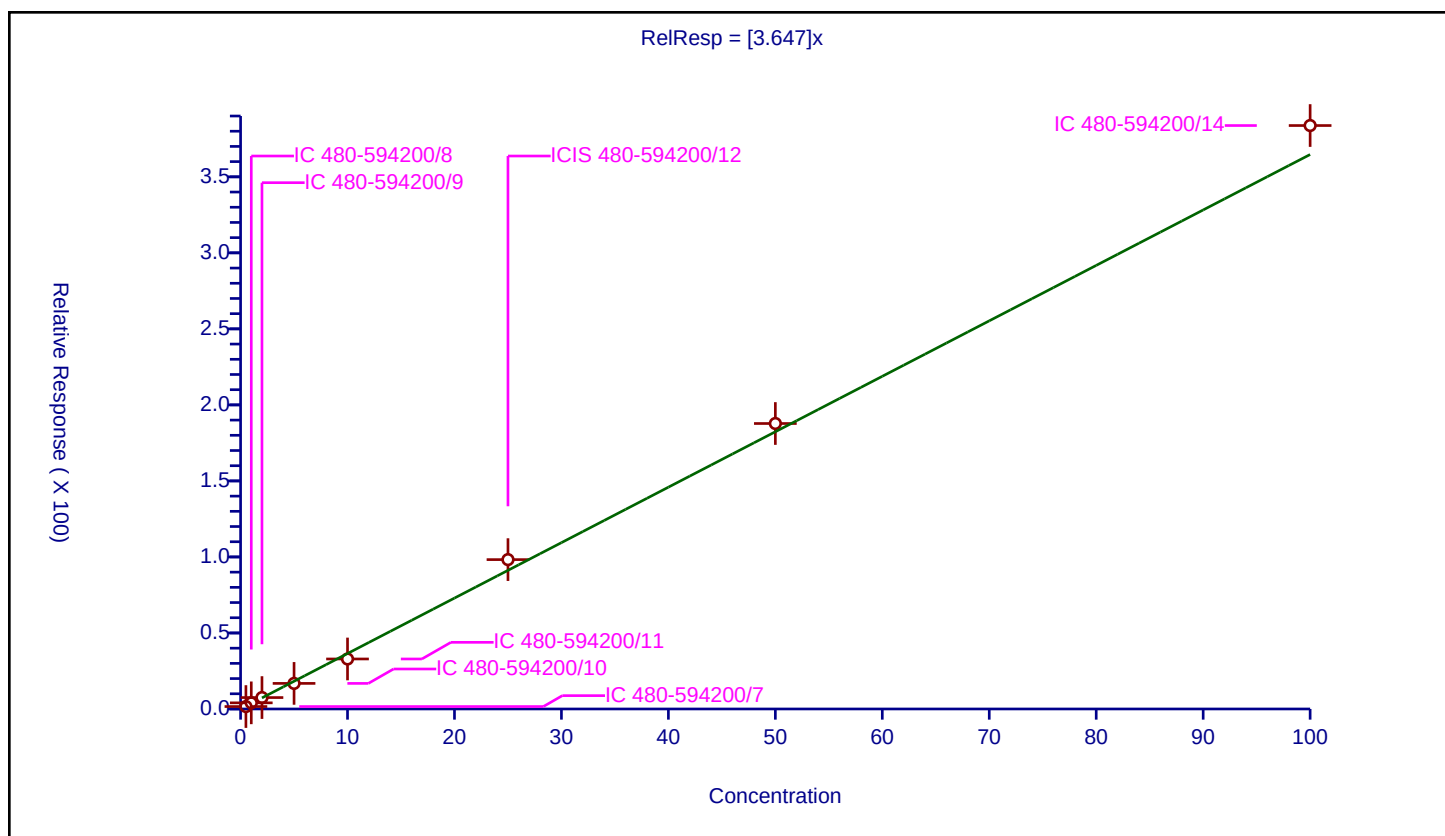
Curve Coefficients

Intercept: 0
 Slope: 3.647

Error Coefficients

Standard Error: 1060000
 Relative Standard Error: 8.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.59774	25.0	160242.0	3.195479	Y
2	IC 480-594200/8	1.0	4.041836	25.0	153408.0	4.041836	Y
3	IC 480-594200/9	2.0	7.522626	25.0	154248.0	3.761313	Y
4	IC 480-594200/10	5.0	16.824813	25.0	162877.0	3.364963	Y
5	IC 480-594200/11	10.0	32.886643	25.0	164189.0	3.288664	Y
6	ICIS 480-594200/12	25.0	98.240961	25.0	154502.0	3.929638	Y
7	IC 480-594200/13	50.0	187.76704	25.0	164114.0	3.755341	Y
8	IC 480-594200/14	100.0	383.730067	25.0	159343.0	3.837301	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

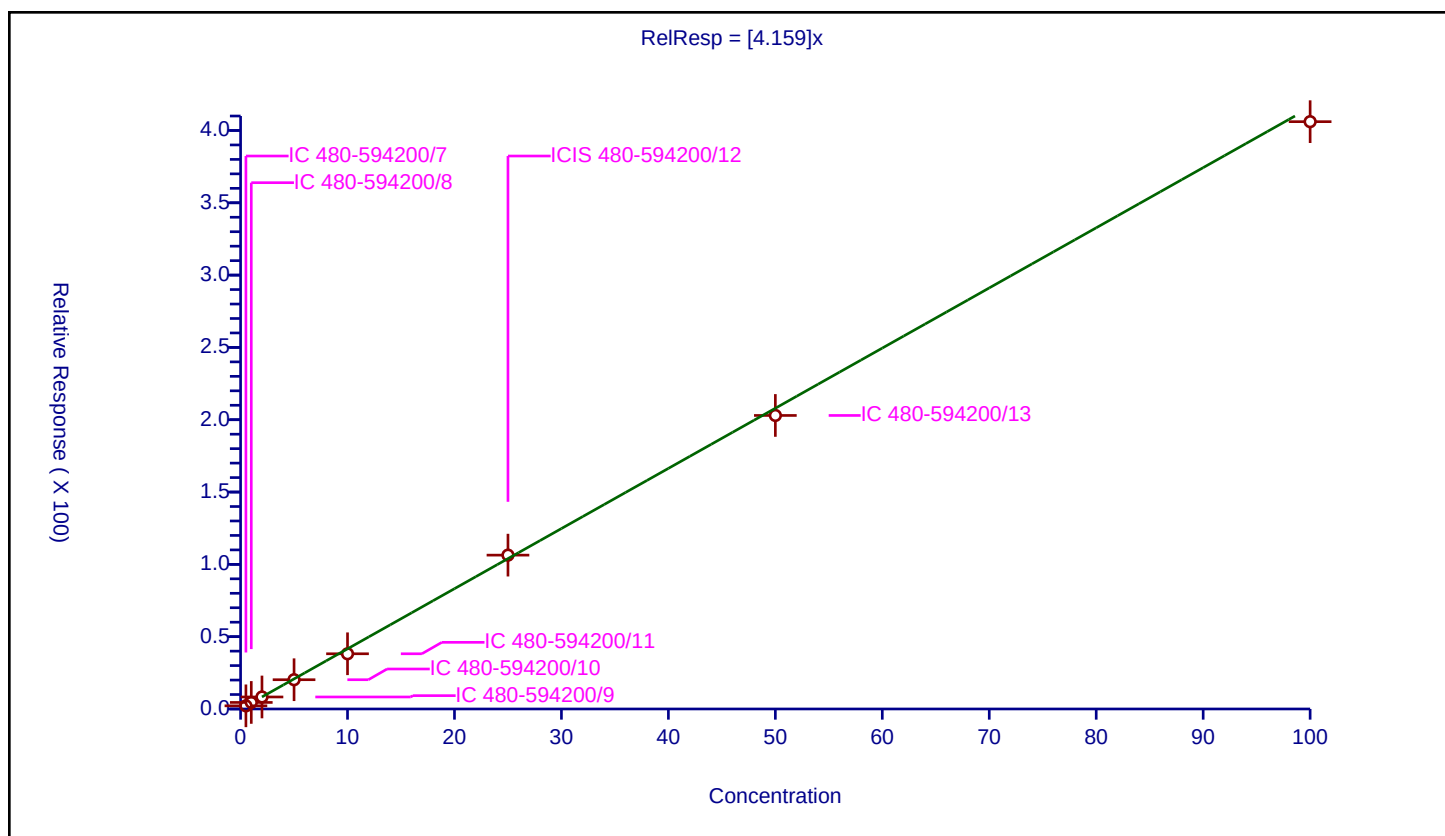
Curve Coefficients

Intercept: 0
 Slope: 4.159

Error Coefficients

Standard Error: 1130000
 Relative Standard Error: 5.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	2.179516	25.0	160242.0	4.359032	Y
2	IC 480-594200/8	1.0	4.518995	25.0	153408.0	4.518995	Y
3	IC 480-594200/9	2.0	8.303349	25.0	154248.0	4.151675	Y
4	IC 480-594200/10	5.0	20.240273	25.0	162877.0	4.048055	Y
5	IC 480-594200/11	10.0	38.180846	25.0	164189.0	3.818085	Y
6	ICIS 480-594200/12	25.0	106.37516	25.0	154502.0	4.255006	Y
7	IC 480-594200/13	50.0	202.956938	25.0	164114.0	4.059139	Y
8	IC 480-594200/14	100.0	406.096754	25.0	159343.0	4.060968	Y



Calibration

/ Methyl acetate

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

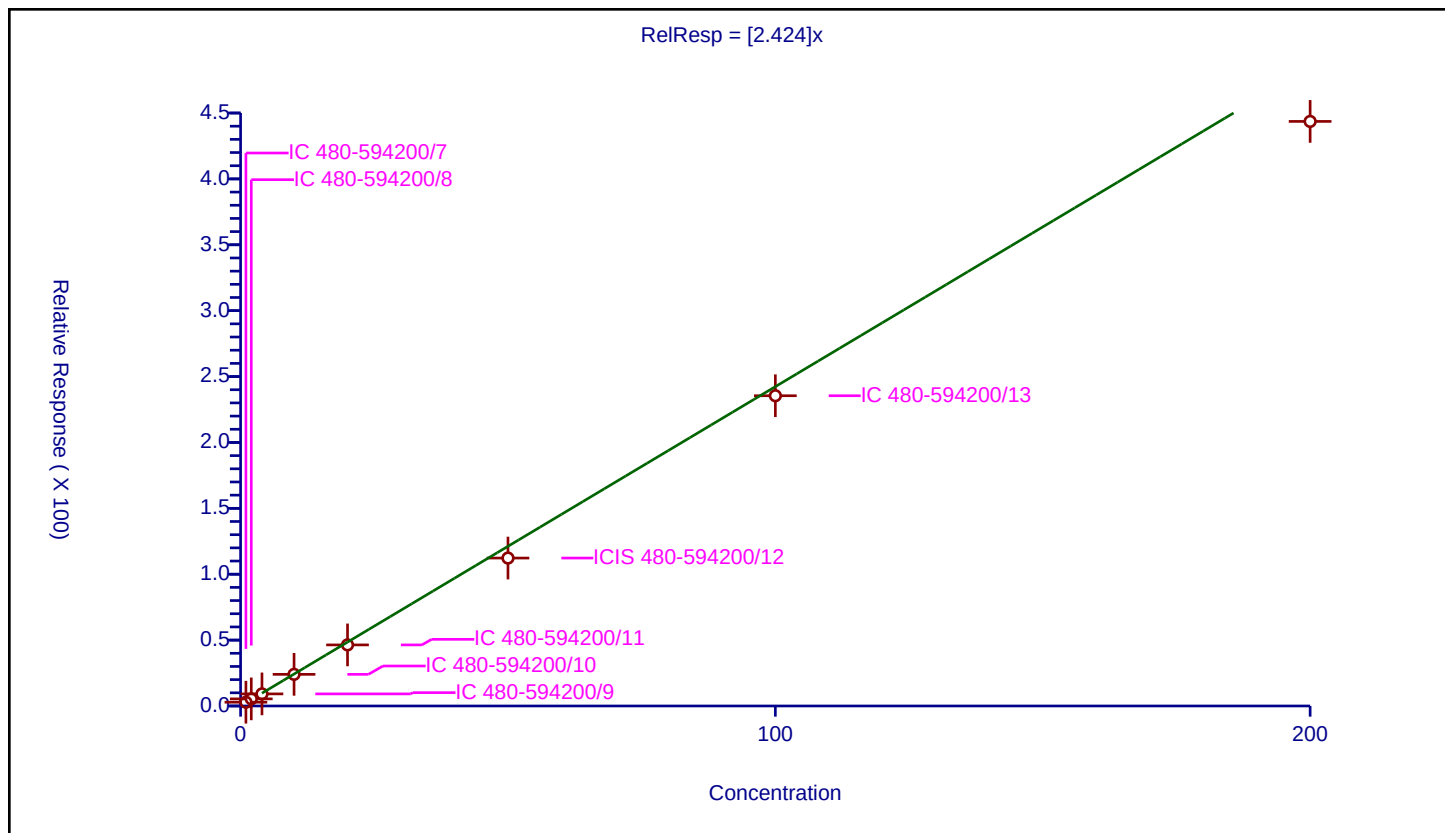
Curve Coefficients

Intercept: 0
 Slope: 2.424

Error Coefficients

Standard Error: 1250000
 Relative Standard Error: 9.5
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	1.0	2.859425	25.0	160242.0	2.859425	Y
2	IC 480-594200/8	2.0	5.394112	25.0	153408.0	2.697056	Y
3	IC 480-594200/9	4.0	9.182939	25.0	154248.0	2.295735	Y
4	IC 480-594200/10	10.0	24.009682	25.0	162877.0	2.400968	Y
5	IC 480-594200/11	20.0	46.345218	25.0	164189.0	2.317261	Y
6	ICIS 480-594200/12	50.0	112.255181	25.0	154502.0	2.245104	Y
7	IC 480-594200/13	100.0	235.456756	25.0	164114.0	2.354568	Y
8	IC 480-594200/14	200.0	443.622876	25.0	159343.0	2.218114	Y



Calibration

/ Methylene Chloride

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

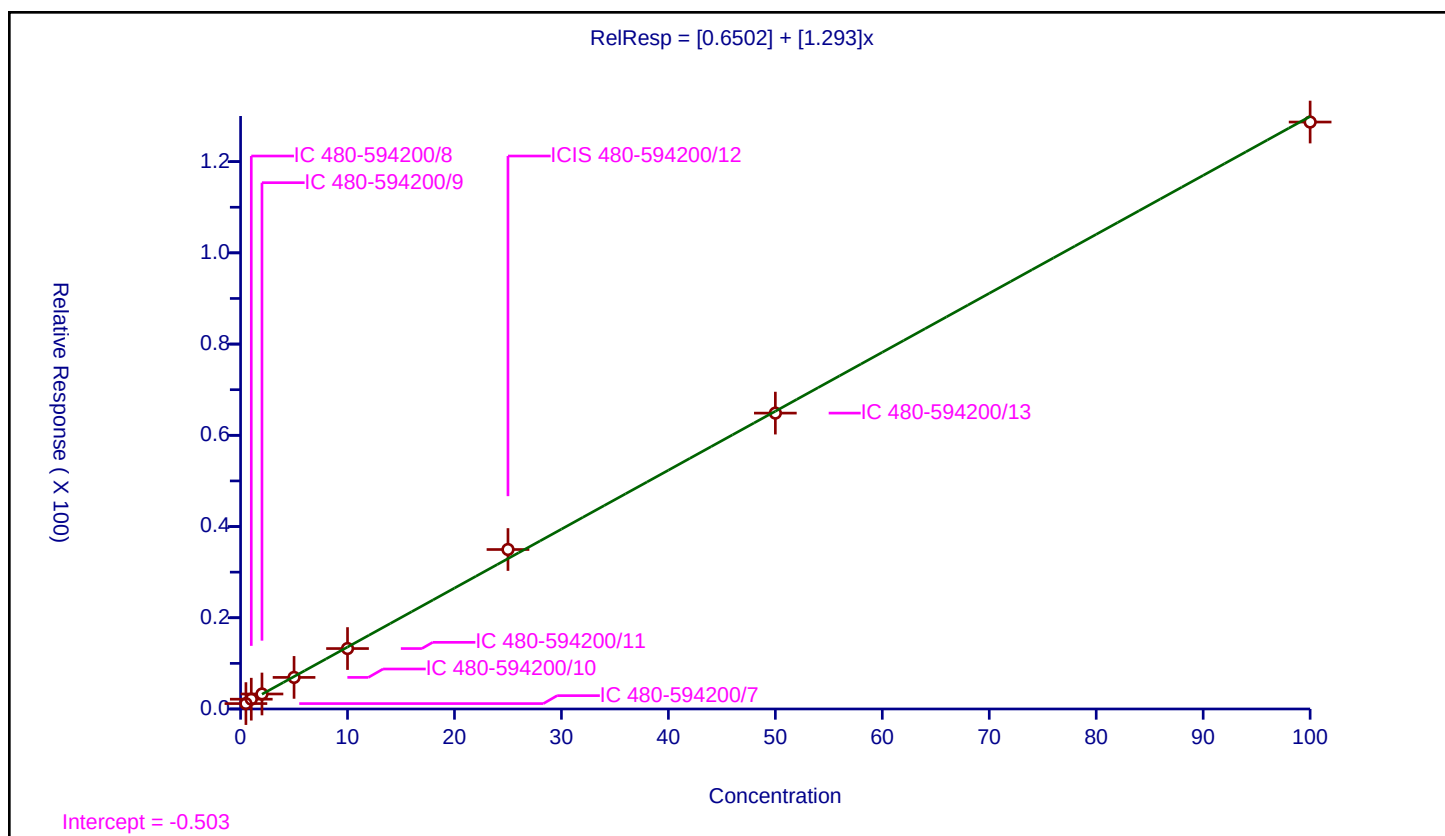
Curve Coefficients

Intercept: 0.6502
 Slope: 1.293

Error Coefficients

Standard Error: 390000
 Relative Standard Error: 10.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.185707	25.0	160242.0	2.371413	Y
2	IC 480-594200/8	1.0	2.147052	25.0	153408.0	2.147052	Y
3	IC 480-594200/9	2.0	3.289994	25.0	154248.0	1.644997	Y
4	IC 480-594200/10	5.0	6.925625	25.0	162877.0	1.385125	Y
5	IC 480-594200/11	10.0	13.252867	25.0	164189.0	1.325287	Y
6	ICIS 480-594200/12	25.0	34.966214	25.0	154502.0	1.398649	Y
7	IC 480-594200/13	50.0	64.865581	25.0	164114.0	1.297312	Y
8	IC 480-594200/14	100.0	128.678699	25.0	159343.0	1.286787	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

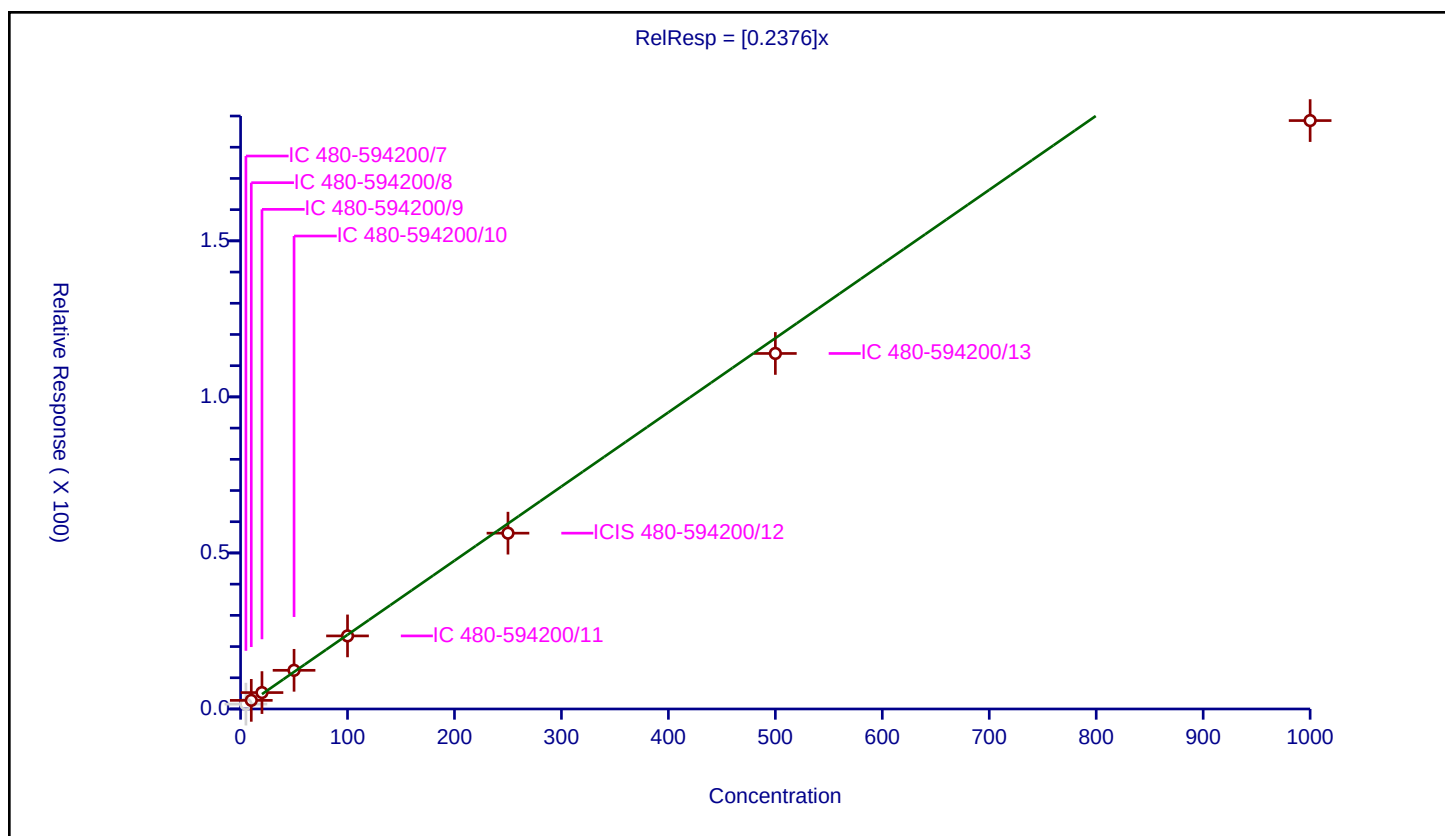
Curve Coefficients

Intercept: 0
 Slope: 0.2376

Error Coefficients

Standard Error: 599000
 Relative Standard Error: 12.1
 Correlation Coefficient: 0.987
 Coefficient of Determination (Adjusted): 0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	5.0	1.557176	25.0	160242.0	0.311435	N
2	IC 480-594200/8	10.0	2.768109	25.0	153408.0	0.276811	Y
3	IC 480-594200/9	20.0	5.256632	25.0	154248.0	0.262832	Y
4	IC 480-594200/10	50.0	12.395857	25.0	162877.0	0.247917	Y
5	IC 480-594200/11	100.0	23.412196	25.0	164189.0	0.234122	Y
6	ICIS 480-594200/12	250.0	56.339238	25.0	154502.0	0.225357	Y
7	IC 480-594200/13	500.0	113.922182	25.0	164114.0	0.227844	Y
8	IC 480-594200/14	1000.0	188.534953	25.0	159343.0	0.188535	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

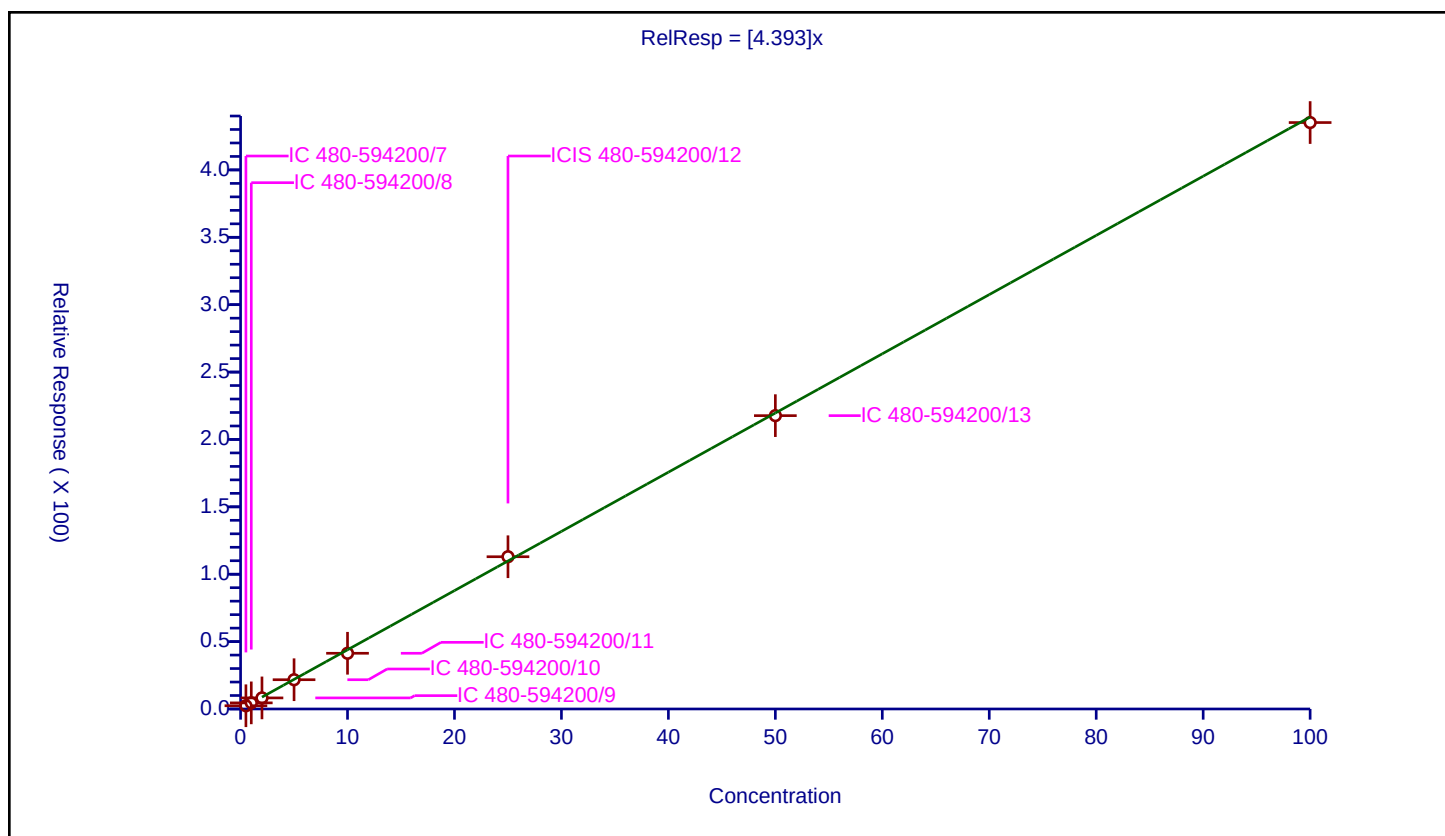
Curve Coefficients

Intercept: 0
 Slope: 4.393

Error Coefficients

Standard Error: 1210000
 Relative Standard Error: 5.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	2.395439	25.0	160242.0	4.790879	Y
2	IC 480-594200/8	1.0	4.539529	25.0	153408.0	4.539529	Y
3	IC 480-594200/9	2.0	8.224256	25.0	154248.0	4.112128	Y
4	IC 480-594200/10	5.0	21.706564	25.0	162877.0	4.341313	Y
5	IC 480-594200/11	10.0	41.340924	25.0	164189.0	4.134092	Y
6	ICIS 480-594200/12	25.0	112.980738	25.0	154502.0	4.51923	Y
7	IC 480-594200/13	50.0	217.668359	25.0	164114.0	4.353367	Y
8	IC 480-594200/14	100.0	435.14541	25.0	159343.0	4.351454	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

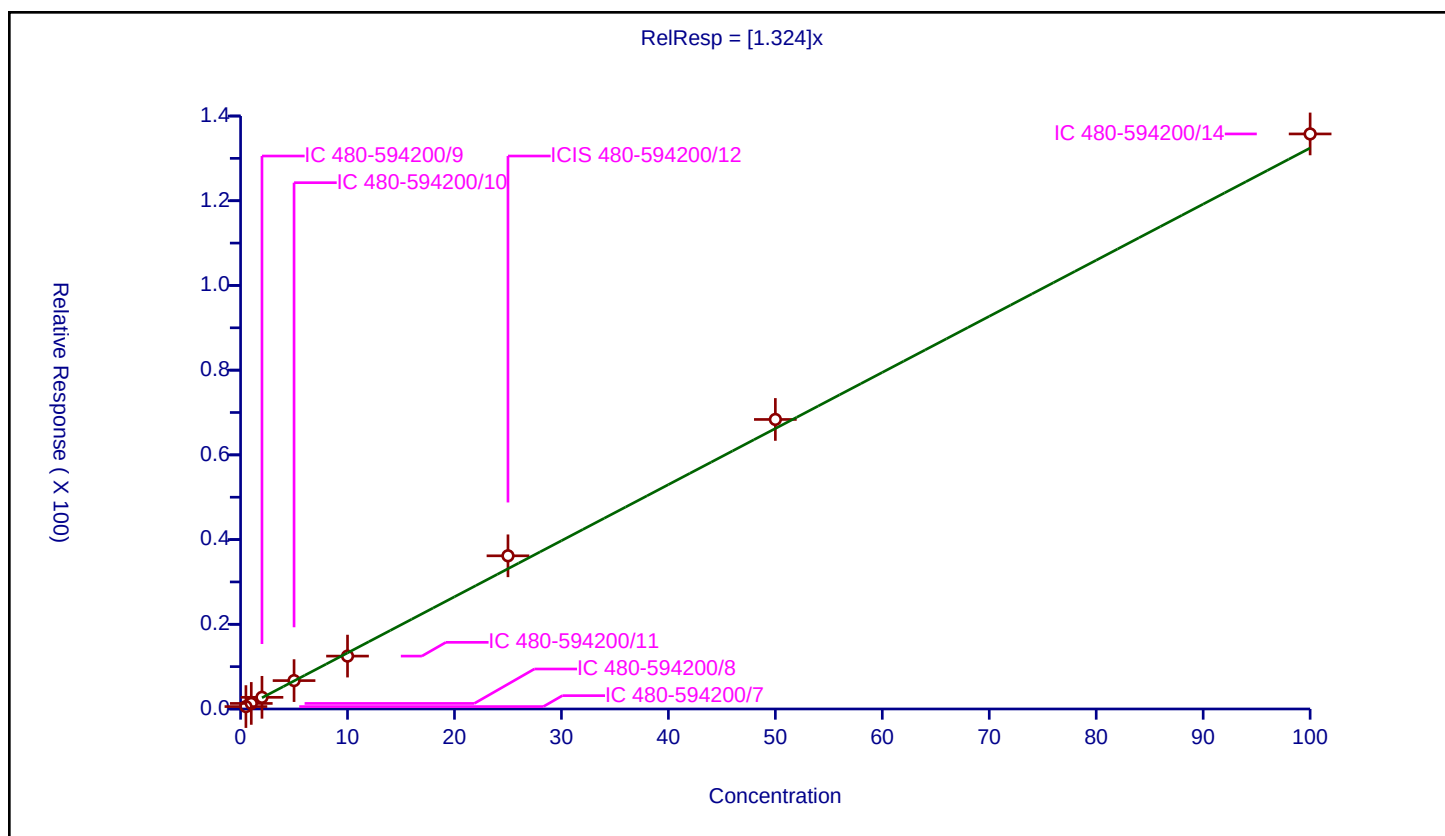
Curve Coefficients

Intercept: 0
Slope: 1.324

Error Coefficients

Standard Error: 380000
Relative Standard Error: 7.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.571791	25.0	160242.0	1.143583	Y
2	IC 480-594200/8	1.0	1.312839	25.0	153408.0	1.312839	Y
3	IC 480-594200/9	2.0	2.756762	25.0	154248.0	1.378381	Y
4	IC 480-594200/10	5.0	6.700301	25.0	162877.0	1.34006	Y
5	IC 480-594200/11	10.0	12.487591	25.0	164189.0	1.248759	Y
6	ICIS 480-594200/12	25.0	36.169597	25.0	154502.0	1.446784	Y
7	IC 480-594200/13	50.0	68.359494	25.0	164114.0	1.36719	Y
8	IC 480-594200/14	100.0	135.770633	25.0	159343.0	1.357706	Y



Calibration

/ Acrylonitrile

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

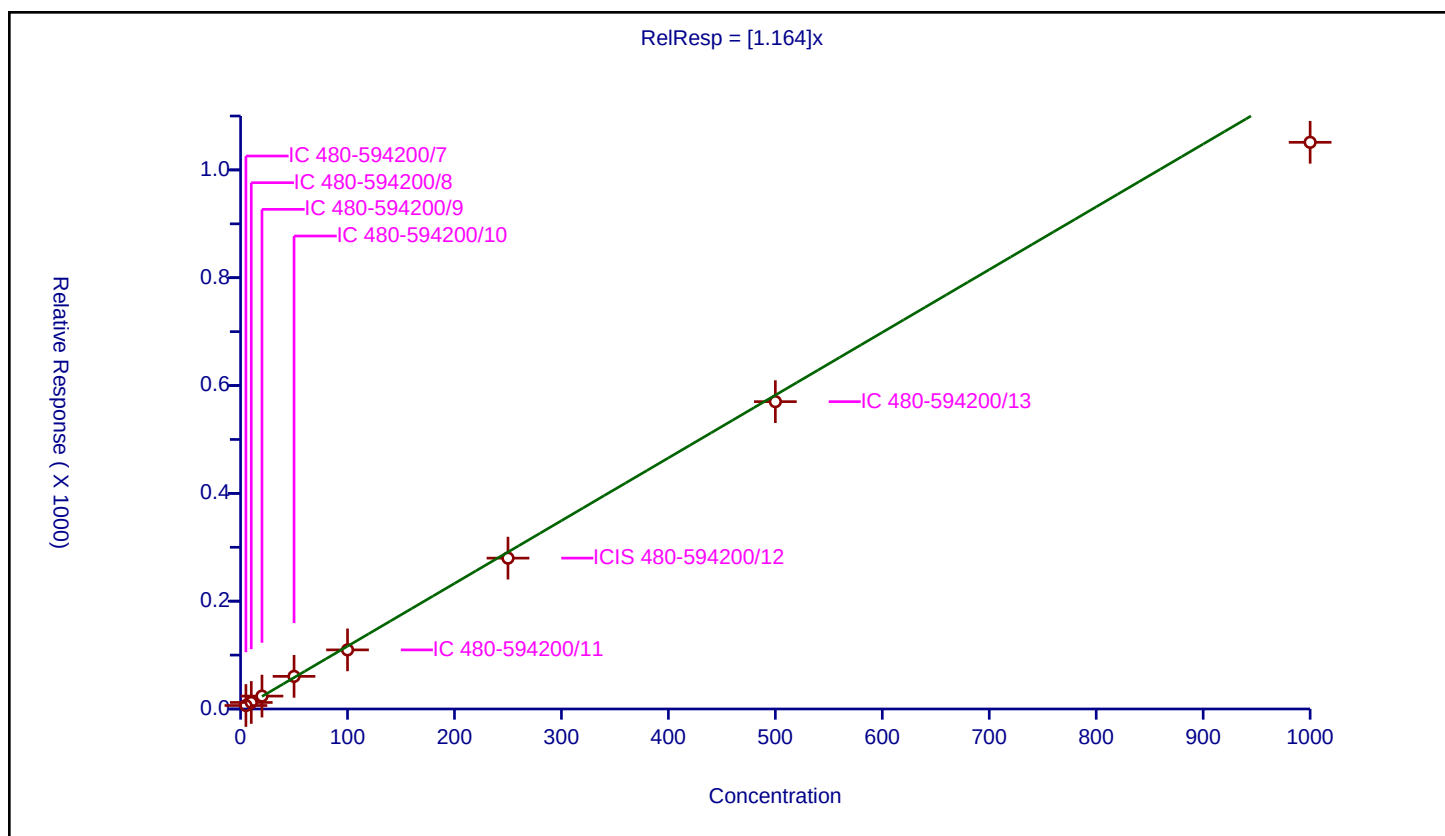
Curve Coefficients

Intercept: 0
Slope: 1.164

Error Coefficients

Standard Error: 2990000
Relative Standard Error: 6.6
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	5.0	6.46959	25.0	160242.0	1.293918	Y
2	IC 480-594200/8	10.0	12.085582	25.0	153408.0	1.208558	Y
3	IC 480-594200/9	20.0	23.902579	25.0	154248.0	1.195129	Y
4	IC 480-594200/10	50.0	60.50225	25.0	162877.0	1.210045	Y
5	IC 480-594200/11	100.0	109.648789	25.0	164189.0	1.096488	Y
6	ICIS 480-594200/12	250.0	279.890066	25.0	154502.0	1.11956	Y
7	IC 480-594200/13	500.0	570.128234	25.0	164114.0	1.140256	Y
8	IC 480-594200/14	1000.0	1051.20385	25.0	159343.0	1.051204	Y



Calibration

/ Hexane

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

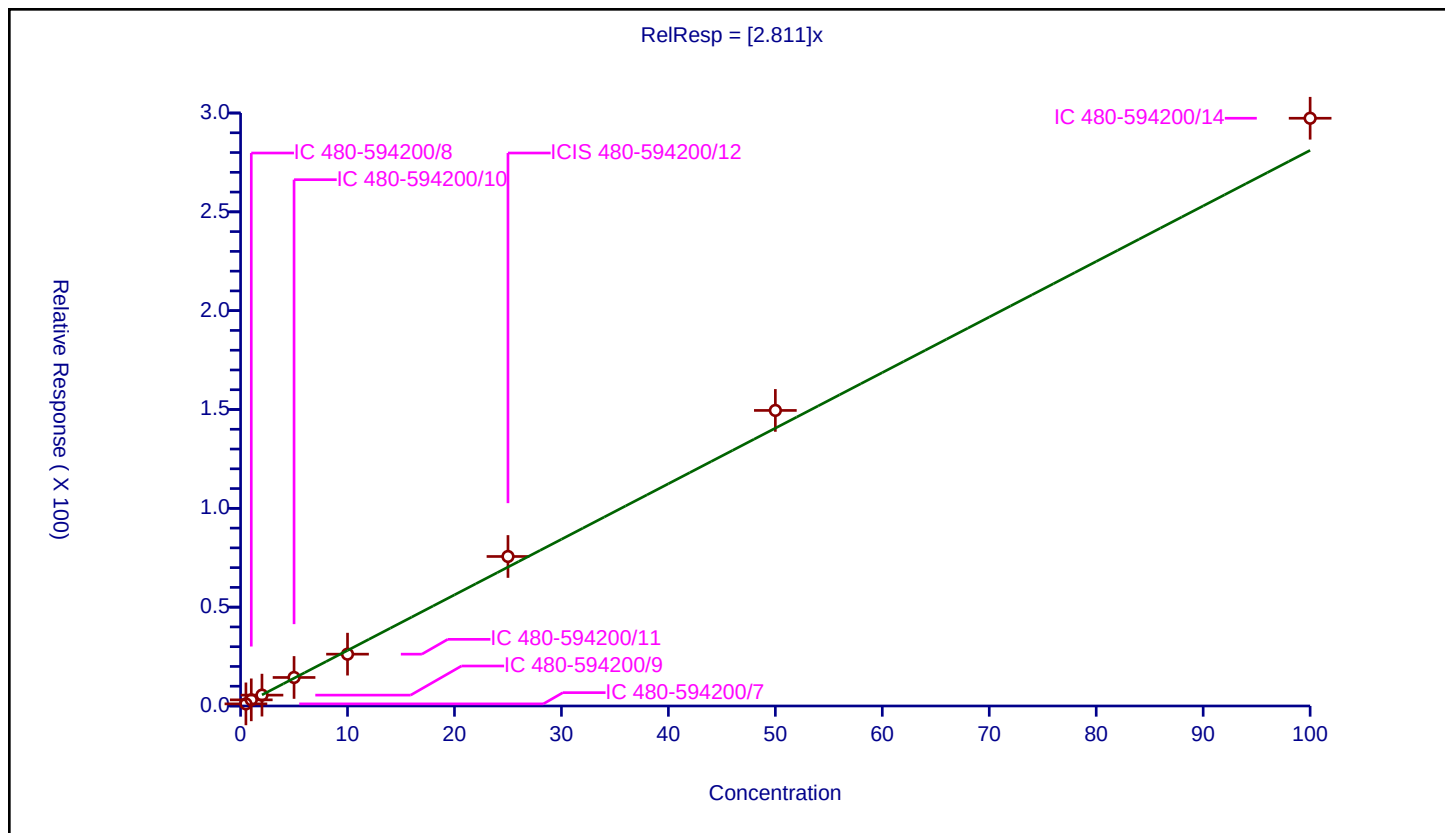
Curve Coefficients

Intercept: 0
Slope: 2.811

Error Coefficients

Standard Error: 829000
Relative Standard Error: 11.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.068696	25.0	160242.0	2.137392	Y
2	IC 480-594200/8	1.0	3.103815	25.0	153408.0	3.103815	Y
3	IC 480-594200/9	2.0	5.500071	25.0	154248.0	2.750036	Y
4	IC 480-594200/10	5.0	14.428372	25.0	162877.0	2.885674	Y
5	IC 480-594200/11	10.0	26.219631	25.0	164189.0	2.621963	Y
6	ICIS 480-594200/12	25.0	75.642872	25.0	154502.0	3.025715	Y
7	IC 480-594200/13	50.0	149.533708	25.0	164114.0	2.990674	Y
8	IC 480-594200/14	100.0	297.359784	25.0	159343.0	2.973598	Y



Calibration

/ 1,1-Dichloroethane

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

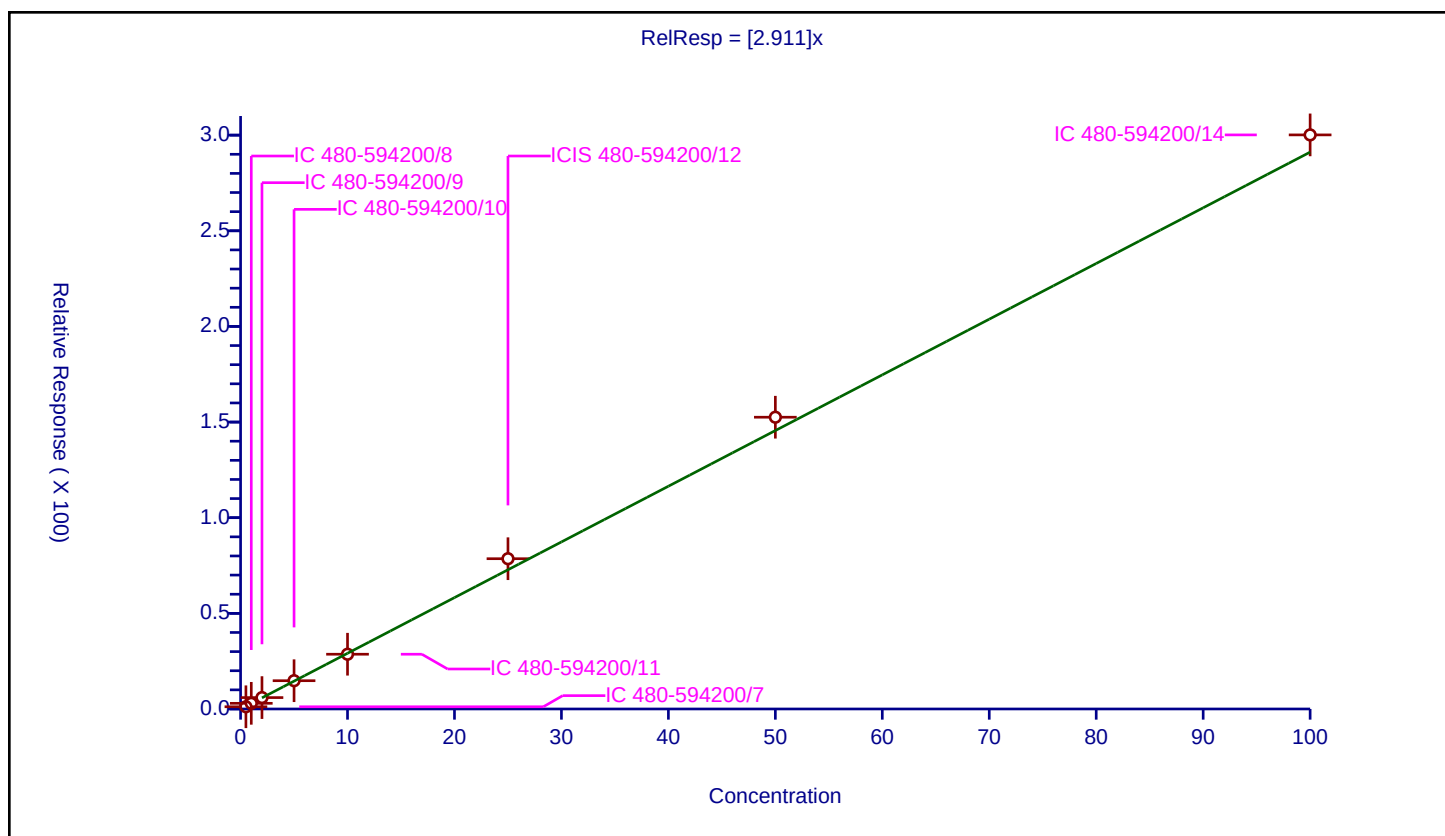
Curve Coefficients

Intercept: 0
 Slope: 2.911

Error Coefficients

Standard Error: 840000
 Relative Standard Error: 8.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.166361	25.0	160242.0	2.332722	Y
2	IC 480-594200/8	1.0	2.963177	25.0	153408.0	2.963177	Y
3	IC 480-594200/9	2.0	5.959234	25.0	154248.0	2.979617	Y
4	IC 480-594200/10	5.0	14.787232	25.0	162877.0	2.957446	Y
5	IC 480-594200/11	10.0	28.624177	25.0	164189.0	2.862418	Y
6	ICIS 480-594200/12	25.0	78.569857	25.0	154502.0	3.142794	Y
7	IC 480-594200/13	50.0	152.530863	25.0	164114.0	3.050617	Y
8	IC 480-594200/14	100.0	300.123005	25.0	159343.0	3.00123	Y



Calibration

/ Vinyl acetate

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

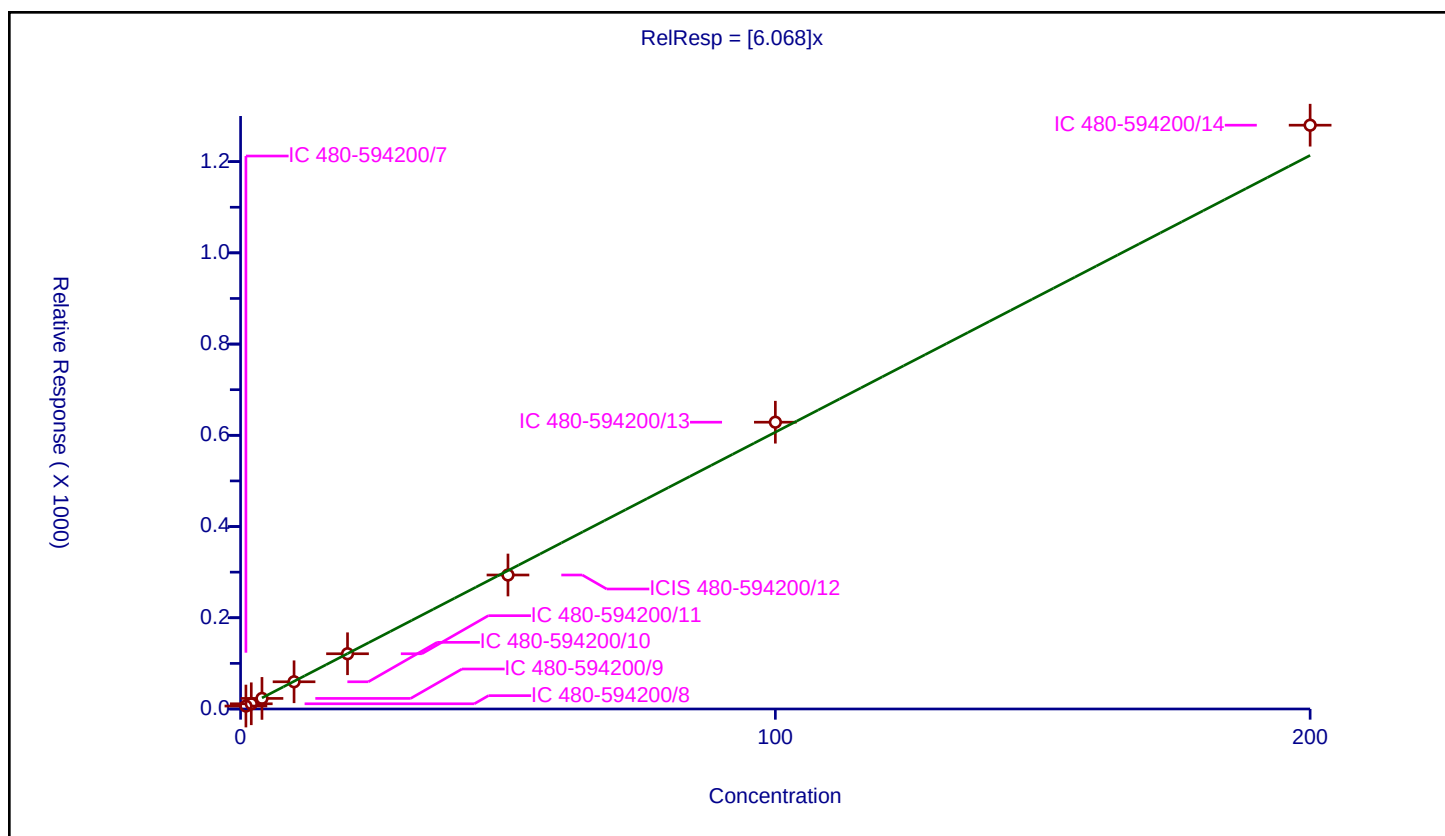
Curve Coefficients

Intercept: 0
 Slope: 6.068

Error Coefficients

Standard Error: 3540000
 Relative Standard Error: 4.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	1.0	6.462101	25.0	160242.0	6.462101	Y
2	IC 480-594200/8	2.0	11.432259	25.0	153408.0	5.71613	Y
3	IC 480-594200/9	4.0	23.158161	25.0	154248.0	5.78954	Y
4	IC 480-594200/10	10.0	59.647618	25.0	162877.0	5.964762	Y
5	IC 480-594200/11	20.0	121.076168	25.0	164189.0	6.053808	Y
6	ICIS 480-594200/12	50.0	293.722735	25.0	154502.0	5.874455	Y
7	IC 480-594200/13	100.0	628.746938	25.0	164114.0	6.287469	Y
8	IC 480-594200/14	200.0	1279.882235	25.0	159343.0	6.399411	Y



Calibration

/ 2,2-Dichloropropane

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

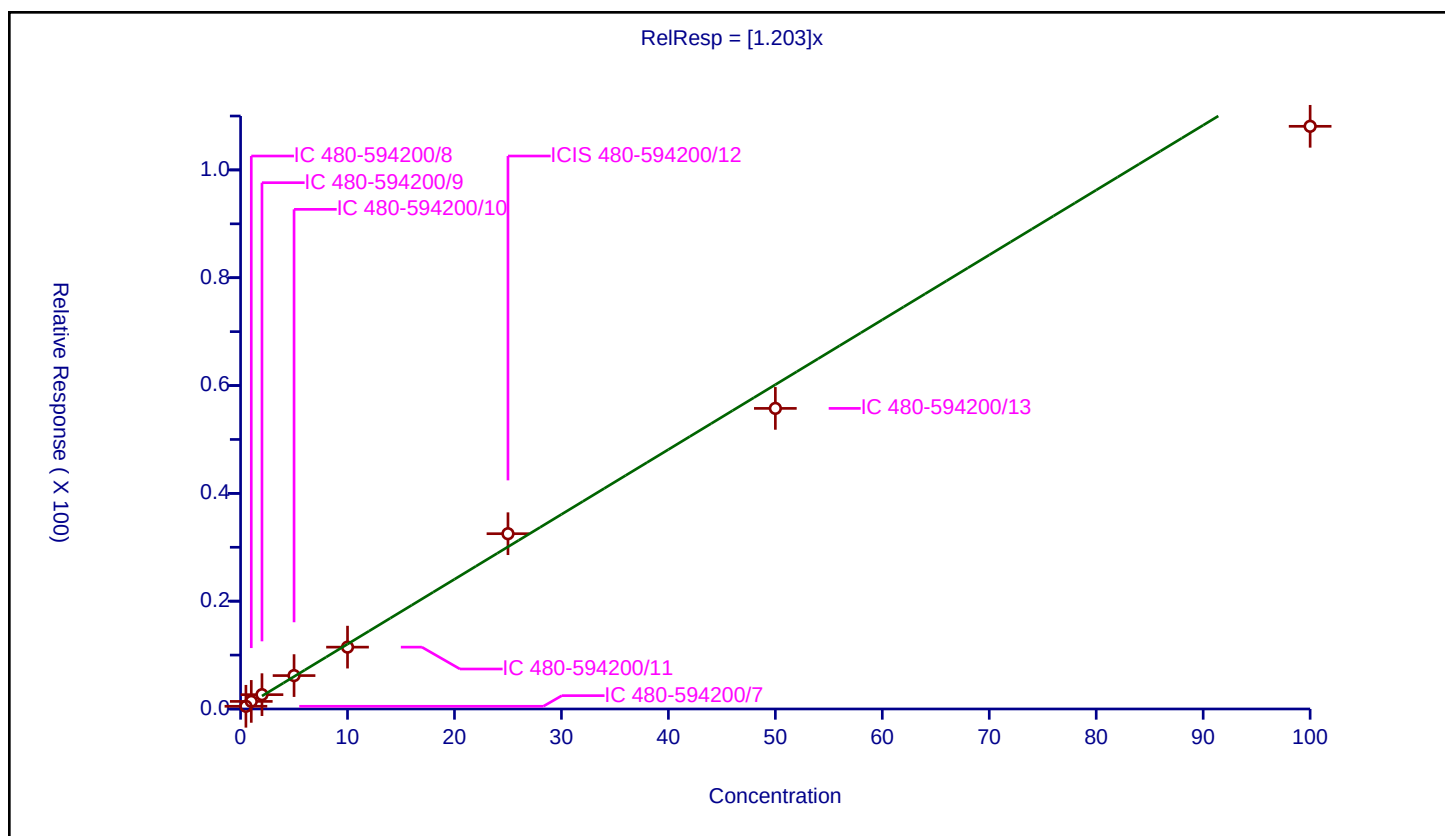
Curve Coefficients

Intercept: 0
 Slope: 1.203

Error Coefficients

Standard Error: 306000
 Relative Standard Error: 11.5
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.502521	25.0	160242.0	1.005042	Y
2	IC 480-594200/8	1.0	1.407032	25.0	153408.0	1.407032	Y
3	IC 480-594200/9	2.0	2.660975	25.0	154248.0	1.330487	Y
4	IC 480-594200/10	5.0	6.198082	25.0	162877.0	1.239616	Y
5	IC 480-594200/11	10.0	11.471993	25.0	164189.0	1.147199	Y
6	ICIS 480-594200/12	25.0	32.515437	25.0	154502.0	1.300617	Y
7	IC 480-594200/13	50.0	55.761239	25.0	164114.0	1.115225	Y
8	IC 480-594200/14	100.0	108.091036	25.0	159343.0	1.08091	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

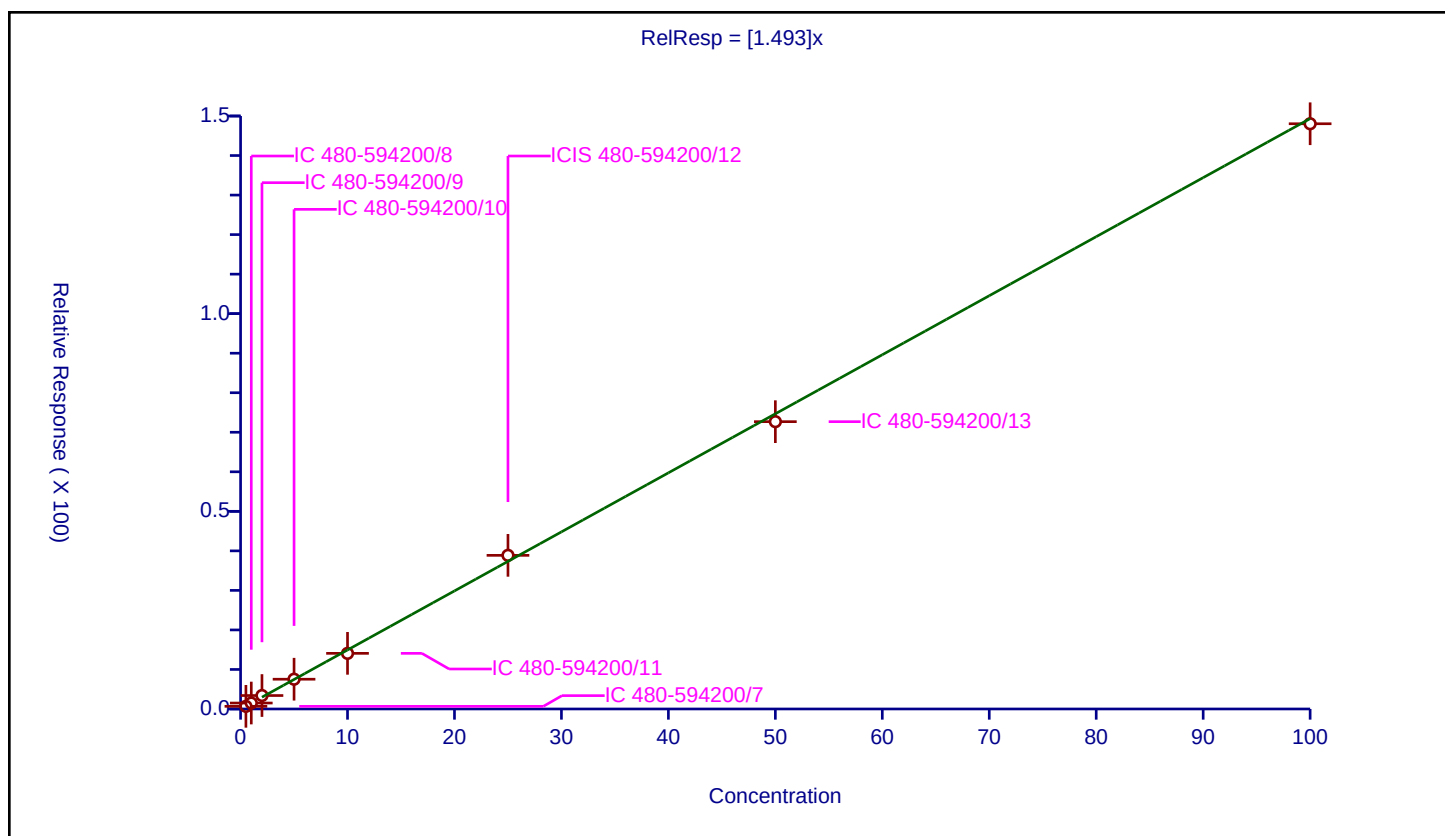
Curve Coefficients

Intercept: 0
Slope: 1.493

Error Coefficients

Standard Error: 412000
Relative Standard Error: 7.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.668052	25.0	160242.0	1.336104	Y
2	IC 480-594200/8	1.0	1.506603	25.0	153408.0	1.506603	Y
3	IC 480-594200/9	2.0	3.405717	25.0	154248.0	1.702858	Y
4	IC 480-594200/10	5.0	7.529608	25.0	162877.0	1.505922	Y
5	IC 480-594200/11	10.0	14.071436	25.0	164189.0	1.407144	Y
6	ICIS 480-594200/12	25.0	38.865678	25.0	154502.0	1.554627	Y
7	IC 480-594200/13	50.0	72.679966	25.0	164114.0	1.453599	Y
8	IC 480-594200/14	100.0	148.046353	25.0	159343.0	1.480464	Y



Calibration

/ 2-Butanone (MEK)

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

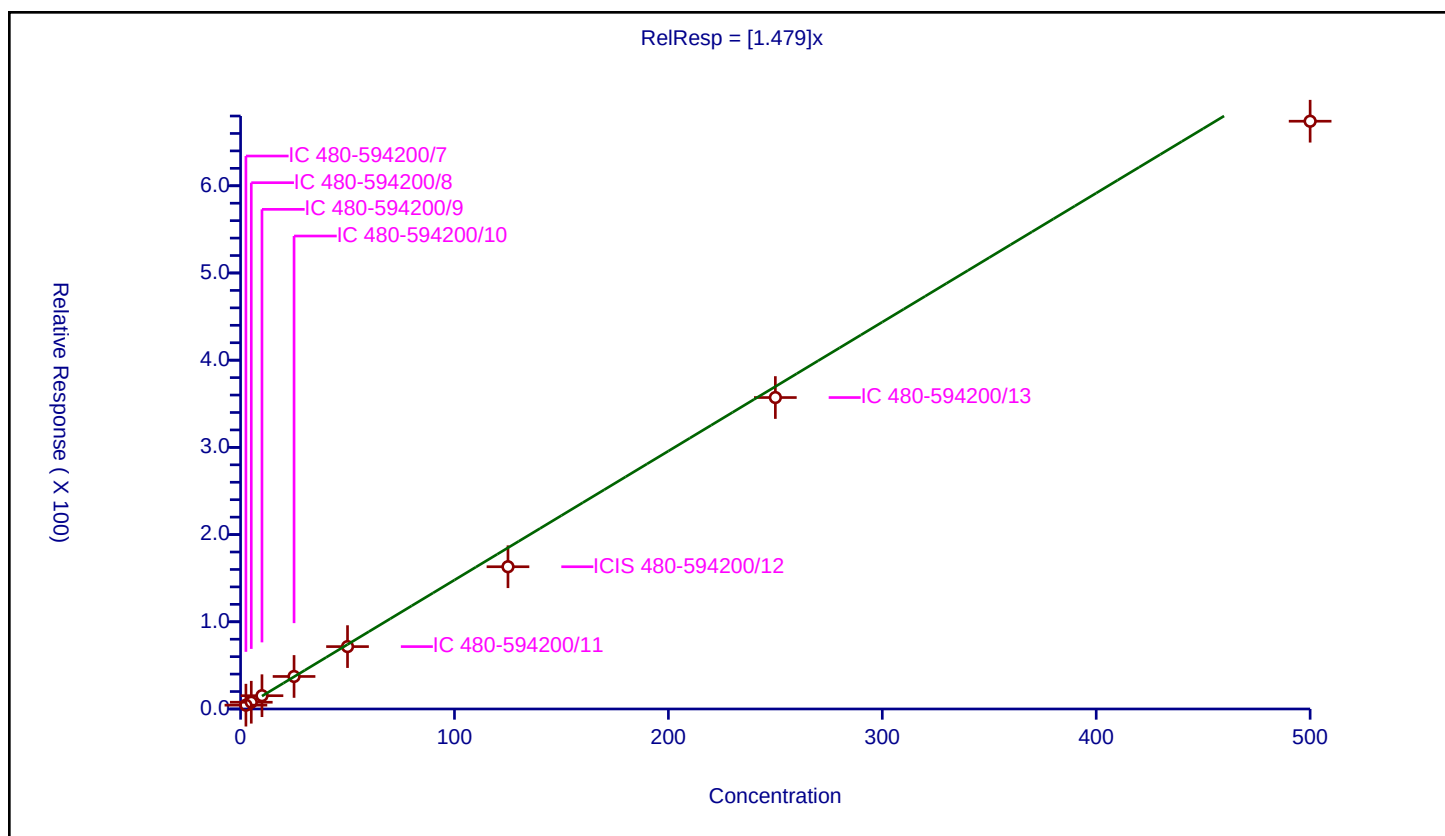
Curve Coefficients

Intercept: 0
 Slope: 1.479

Error Coefficients

Standard Error: 1900000
 Relative Standard Error: 9.4
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	2.5	4.380874	25.0	160242.0	1.75235	Y
2	IC 480-594200/8	5.0	7.758233	25.0	153408.0	1.551647	Y
3	IC 480-594200/9	10.0	15.234233	25.0	154248.0	1.523423	Y
4	IC 480-594200/10	25.0	37.2944	25.0	162877.0	1.491776	Y
5	IC 480-594200/11	50.0	71.546815	25.0	164189.0	1.430936	Y
6	ICIS 480-594200/12	125.0	163.123455	25.0	154502.0	1.304988	Y
7	IC 480-594200/13	250.0	357.175348	25.0	164114.0	1.428701	Y
8	IC 480-594200/14	500.0	674.033688	25.0	159343.0	1.348067	Y



Calibration

/ Chlorobromomethane

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

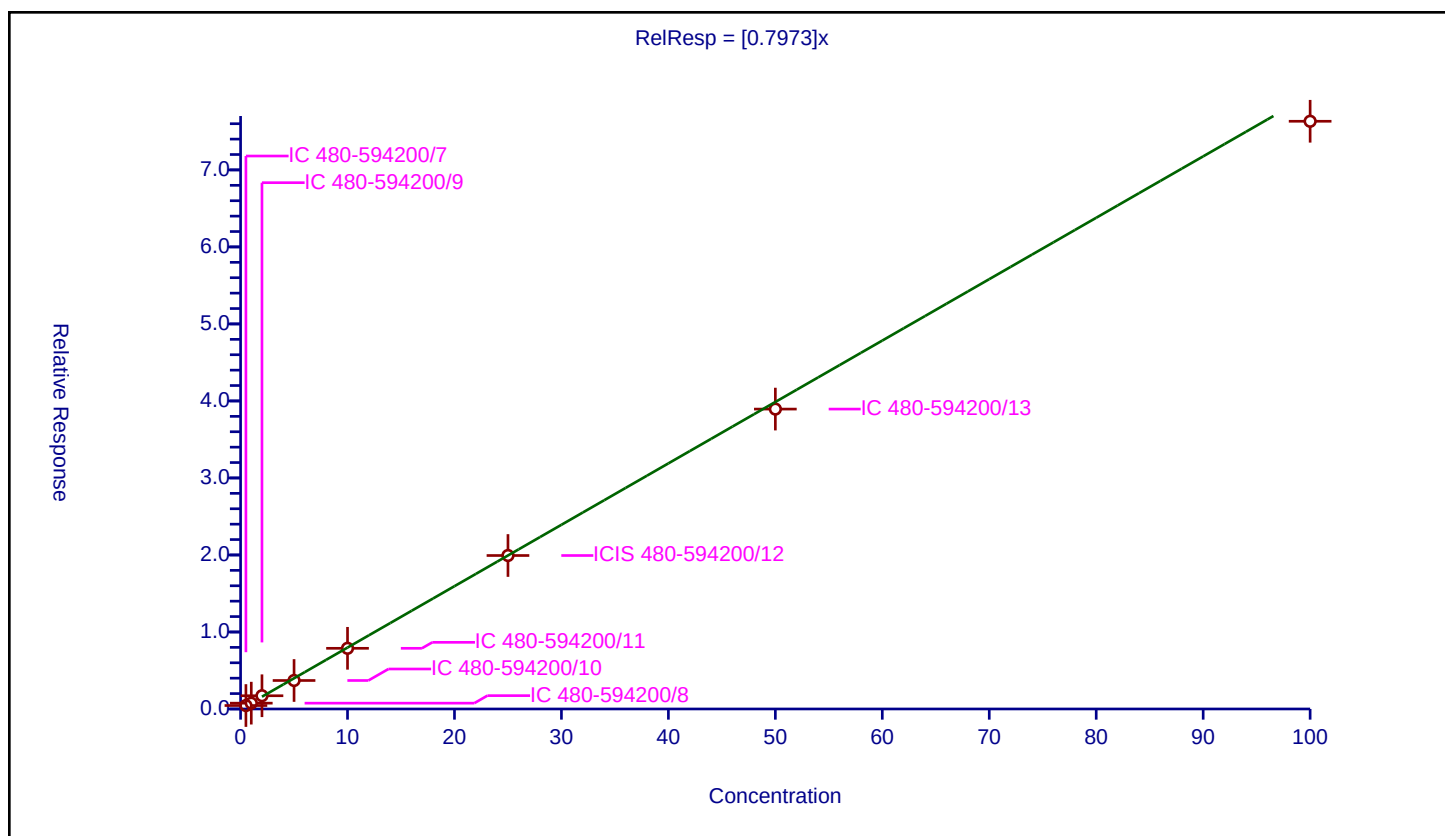
Curve Coefficients

Intercept: 0
 Slope: 0.7973

Error Coefficients

Standard Error: 214000
 Relative Standard Error: 6.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.447136	25.0	160242.0	0.894272	Y
2	IC 480-594200/8	1.0	0.756805	25.0	153408.0	0.756805	Y
3	IC 480-594200/9	2.0	1.720444	25.0	154248.0	0.860222	Y
4	IC 480-594200/10	5.0	3.701259	25.0	162877.0	0.740252	Y
5	IC 480-594200/11	10.0	7.878725	25.0	164189.0	0.787873	Y
6	ICIS 480-594200/12	25.0	19.931457	25.0	154502.0	0.797258	Y
7	IC 480-594200/13	50.0	38.945184	25.0	164114.0	0.778904	Y
8	IC 480-594200/14	100.0	76.317441	25.0	159343.0	0.763174	Y



Calibration

/ Tetrahydrofuran

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

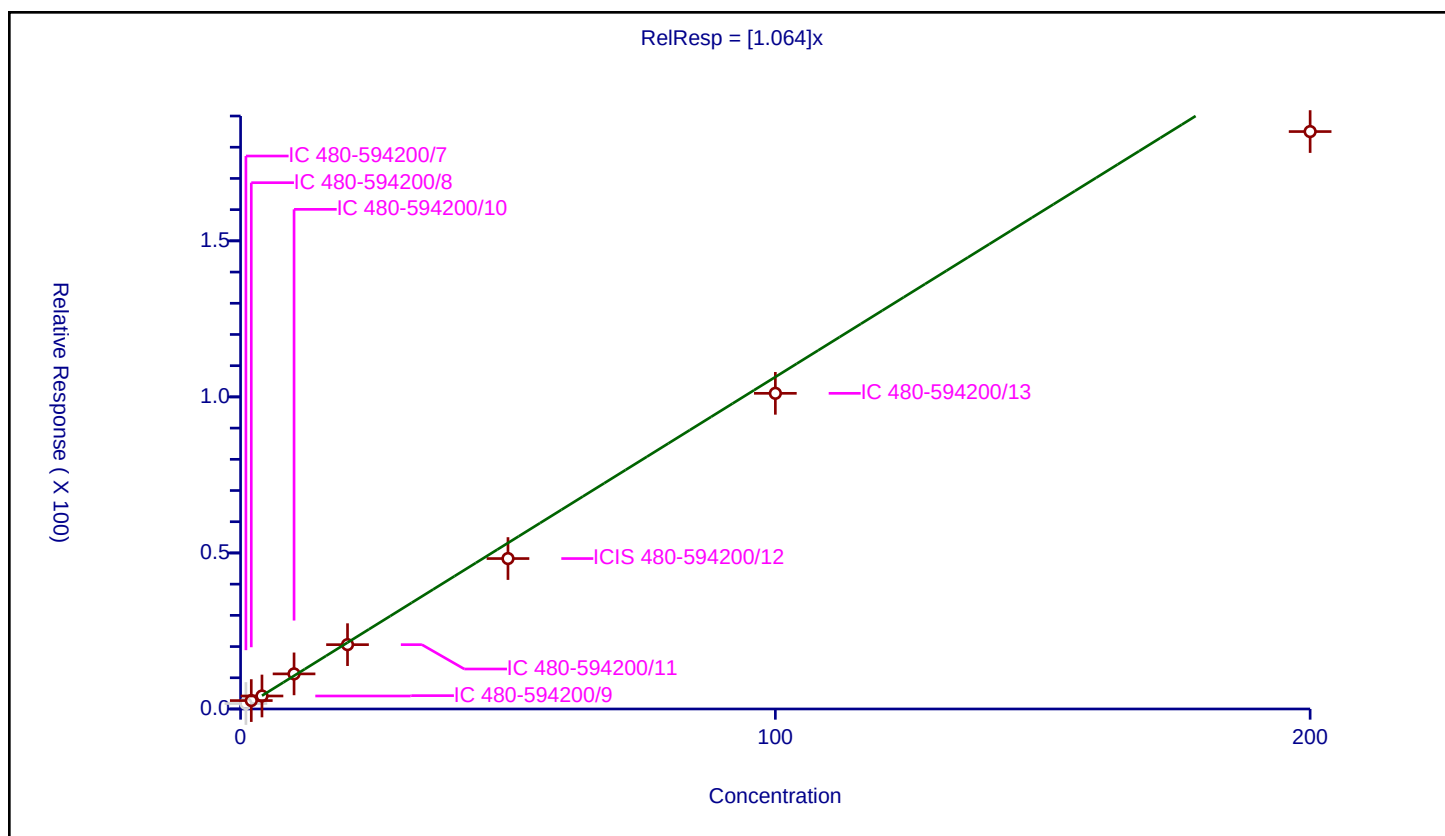
Curve Coefficients

Intercept: 0
Slope: 1.064

Error Coefficients

Standard Error: 569000
Relative Standard Error: 13.2
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	1.0	1.75313	25.0	160242.0	1.75313	N
2	IC 480-594200/8	2.0	2.699012	25.0	153408.0	1.349506	Y
3	IC 480-594200/9	4.0	4.165532	25.0	154248.0	1.041383	Y
4	IC 480-594200/10	10.0	11.248826	25.0	162877.0	1.124883	Y
5	IC 480-594200/11	20.0	20.613287	25.0	164189.0	1.030664	Y
6	ICIS 480-594200/12	50.0	48.207467	25.0	154502.0	0.964149	Y
7	IC 480-594200/13	100.0	101.144327	25.0	164114.0	1.011443	Y
8	IC 480-594200/14	200.0	185.018639	25.0	159343.0	0.925093	Y



Calibration

/ Chloroform

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

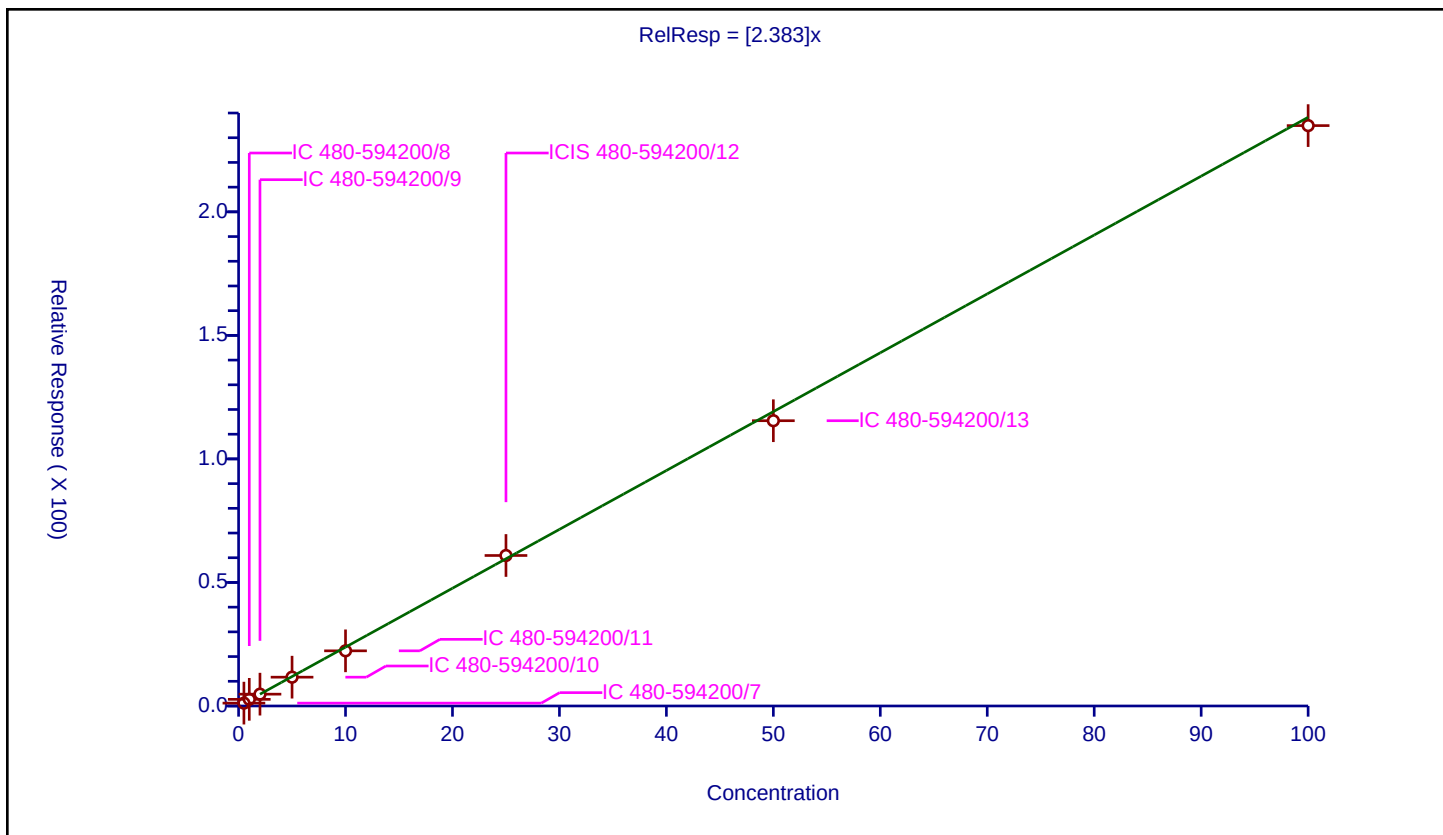
Curve Coefficients

Intercept: 0
 Slope: 2.383

Error Coefficients

Standard Error: 653000
 Relative Standard Error: 5.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.155128	25.0	160242.0	2.310256	Y
2	IC 480-594200/8	1.0	2.697219	25.0	153408.0	2.697219	Y
3	IC 480-594200/9	2.0	4.788879	25.0	154248.0	2.394439	Y
4	IC 480-594200/10	5.0	11.665551	25.0	162877.0	2.33311	Y
5	IC 480-594200/11	10.0	22.322445	25.0	164189.0	2.232245	Y
6	ICIS 480-594200/12	25.0	60.910215	25.0	154502.0	2.436409	Y
7	IC 480-594200/13	50.0	115.455415	25.0	164114.0	2.309108	Y
8	IC 480-594200/14	100.0	234.905204	25.0	159343.0	2.349052	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

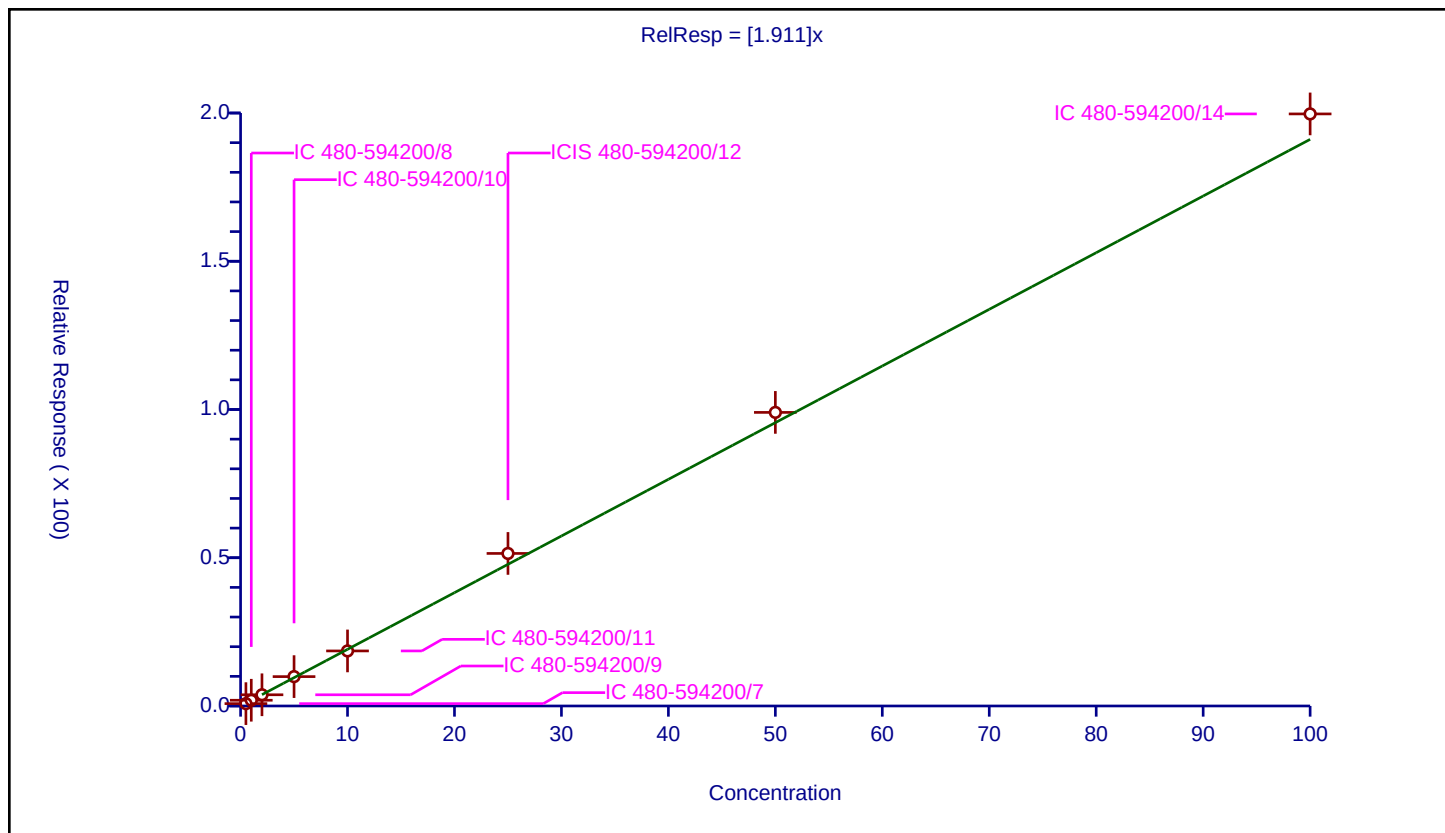
Curve Coefficients

Intercept: 0
 Slope: 1.911

Error Coefficients

Standard Error: 556000
 Relative Standard Error: 7.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.794267	25.0	160242.0	1.588535	Y
2	IC 480-594200/8	1.0	1.933895	25.0	153408.0	1.933895	Y
3	IC 480-594200/9	2.0	3.786435	25.0	154248.0	1.893217	Y
4	IC 480-594200/10	5.0	9.909165	25.0	162877.0	1.981833	Y
5	IC 480-594200/11	10.0	18.565342	25.0	164189.0	1.856534	Y
6	ICIS 480-594200/12	25.0	51.446907	25.0	154502.0	2.057876	Y
7	IC 480-594200/13	50.0	99.018518	25.0	164114.0	1.98037	Y
8	IC 480-594200/14	100.0	199.692173	25.0	159343.0	1.996922	Y



Calibration

/ Cyclohexane

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

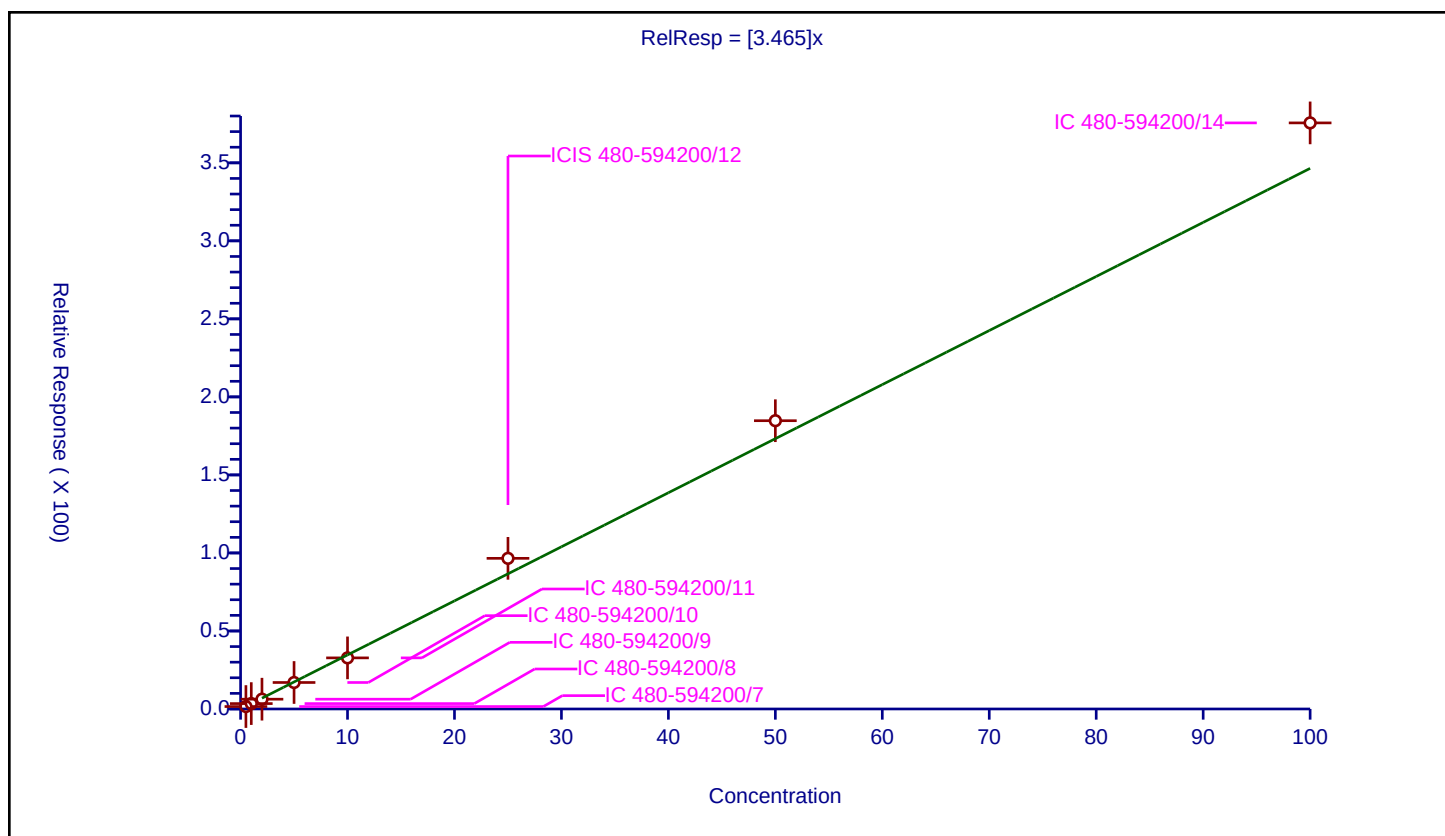
Curve Coefficients

Intercept: 0
Slope: 3.465

Error Coefficients

Standard Error: 1040000
Relative Standard Error: 8.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.568721	25.0	160242.0	3.137442	Y
2	IC 480-594200/8	1.0	3.457447	25.0	153408.0	3.457447	Y
3	IC 480-594200/9	2.0	6.276743	25.0	154248.0	3.138371	Y
4	IC 480-594200/10	5.0	16.978917	25.0	162877.0	3.395783	Y
5	IC 480-594200/11	10.0	32.747322	25.0	164189.0	3.274732	Y
6	ICIS 480-594200/12	25.0	96.544381	25.0	154502.0	3.861775	Y
7	IC 480-594200/13	50.0	184.73424	25.0	164114.0	3.694685	Y
8	IC 480-594200/14	100.0	375.593217	25.0	159343.0	3.755932	Y



Calibration

/ Dibromofluoromethane (Surr)

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

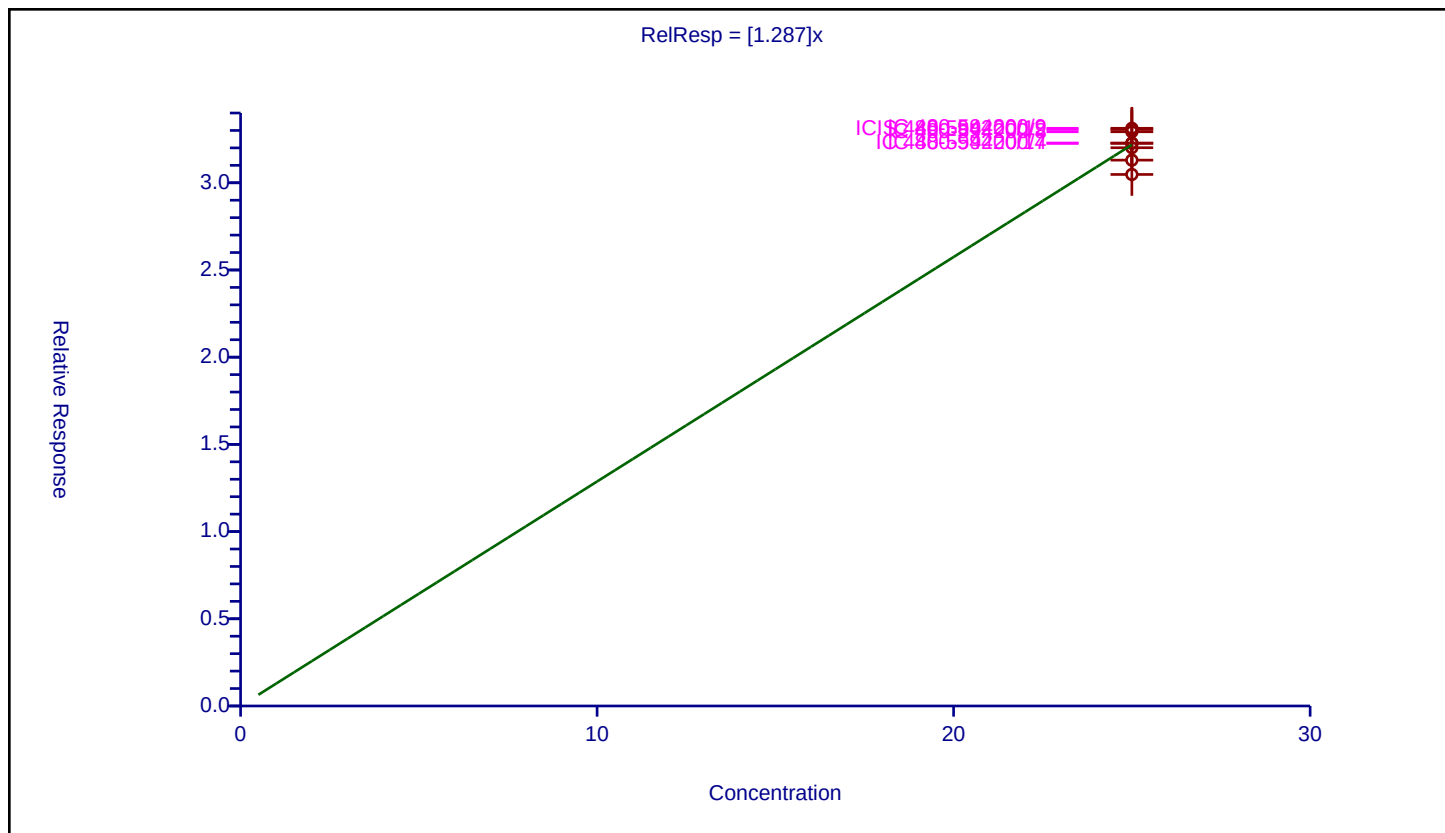
Curve Coefficients

Intercept: 0
Slope: 1.287

Error Coefficients

Standard Error: 219000
Relative Standard Error: 2.9
Correlation Coefficient: NA
Coefficient of Determination (Adjusted): 0.000000000000000222

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	25.0	32.279147	25.0	160242.0	1.291166	Y
2	IC 480-594200/8	25.0	32.924619	25.0	153408.0	1.316985	Y
3	IC 480-594200/9	25.0	33.123768	25.0	154248.0	1.324951	Y
4	IC 480-594200/10	25.0	30.477446	25.0	162877.0	1.219098	Y
5	IC 480-594200/11	25.0	31.297468	25.0	164189.0	1.251899	Y
6	ICIS 480-594200/12	25.0	33.059281	25.0	154502.0	1.322371	Y
7	IC 480-594200/13	25.0	32.009457	25.0	164114.0	1.280378	Y
8	IC 480-594200/14	25.0	32.25934	25.0	159343.0	1.290374	Y



Calibration

/ Carbon tetrachloride

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

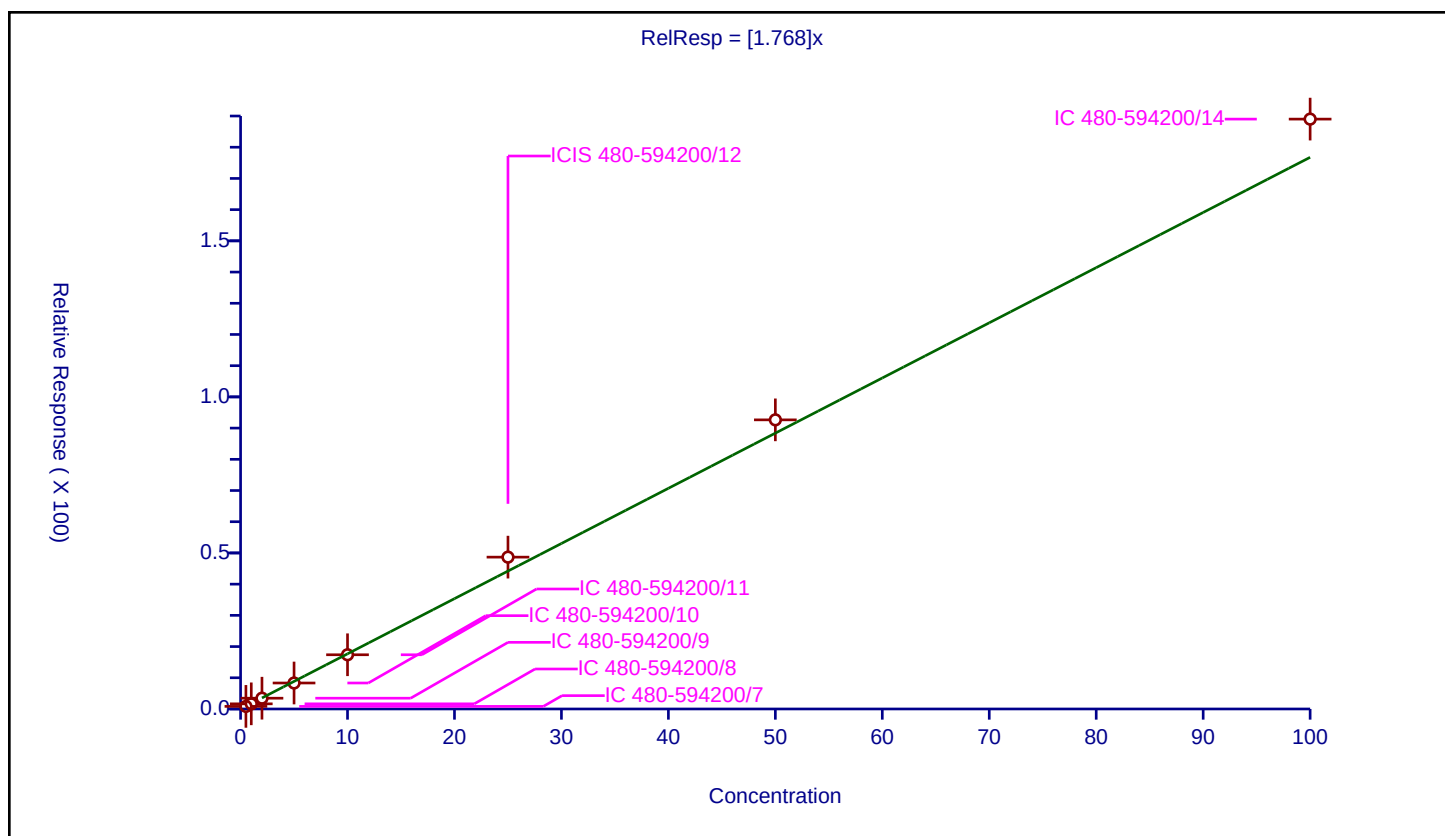
Curve Coefficients

Intercept: 0
 Slope: 1.768

Error Coefficients

Standard Error: 525000
 Relative Standard Error: 6.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.832335	25.0	160242.0	1.66467	Y
2	IC 480-594200/8	1.0	1.654249	25.0	153408.0	1.654249	Y
3	IC 480-594200/9	2.0	3.459688	25.0	154248.0	1.729844	Y
4	IC 480-594200/10	5.0	8.328524	25.0	162877.0	1.665705	Y
5	IC 480-594200/11	10.0	17.378905	25.0	164189.0	1.73789	Y
6	ICIS 480-594200/12	25.0	48.655195	25.0	154502.0	1.946208	Y
7	IC 480-594200/13	50.0	92.642919	25.0	164114.0	1.852858	Y
8	IC 480-594200/14	100.0	189.007518	25.0	159343.0	1.890075	Y



Calibration

/ 1,1-Dichloropropene

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

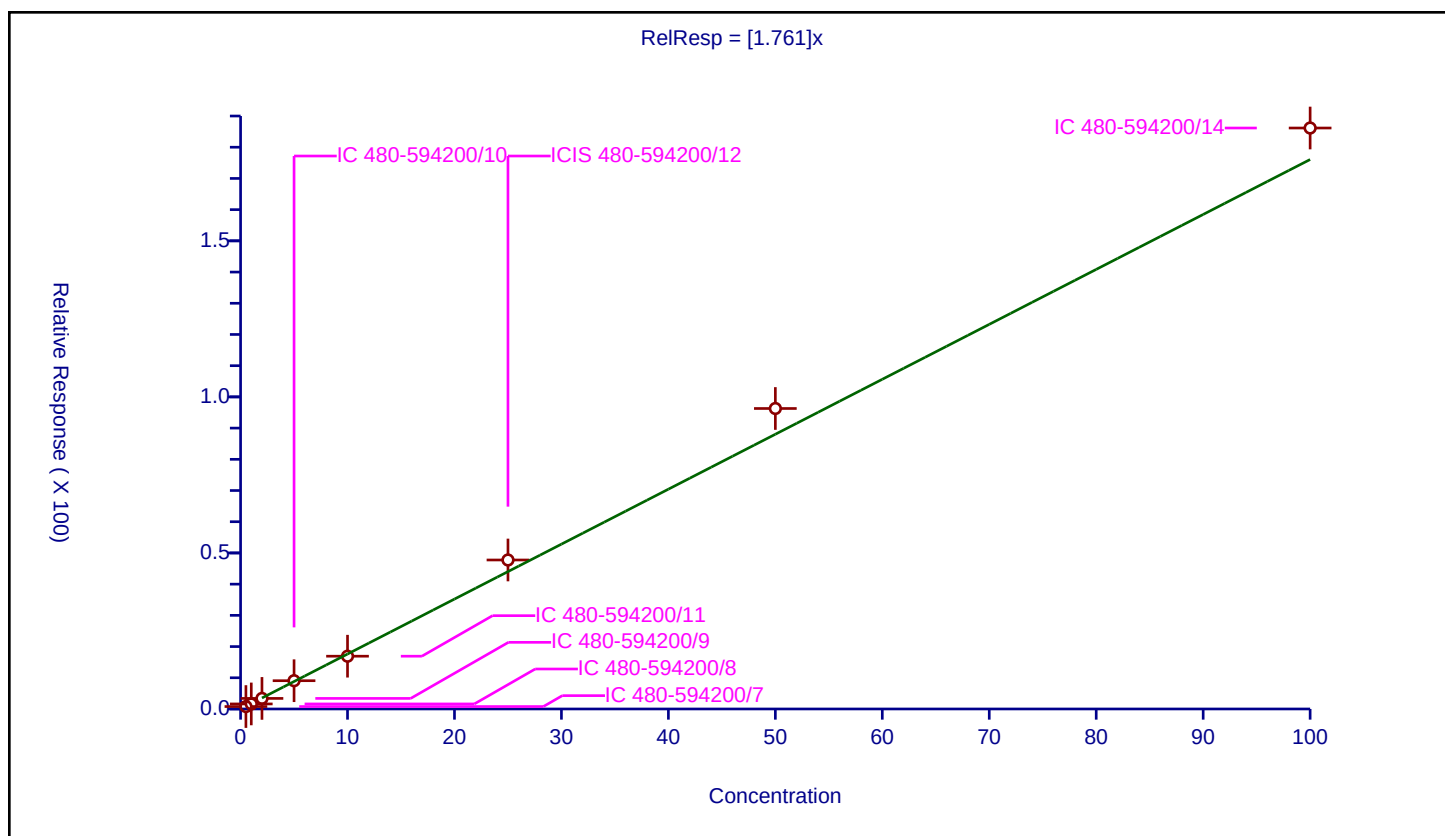
Curve Coefficients

Intercept: 0
 Slope: 1.761

Error Coefficients

Standard Error: 522000
 Relative Standard Error: 7.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.784595	25.0	160242.0	1.569189	Y
2	IC 480-594200/8	1.0	1.621167	25.0	153408.0	1.621167	Y
3	IC 480-594200/9	2.0	3.387564	25.0	154248.0	1.693782	Y
4	IC 480-594200/10	5.0	9.064509	25.0	162877.0	1.812902	Y
5	IC 480-594200/11	10.0	16.913435	25.0	164189.0	1.691344	Y
6	ICIS 480-594200/12	25.0	47.739511	25.0	154502.0	1.90958	Y
7	IC 480-594200/13	50.0	96.279873	25.0	164114.0	1.925597	Y
8	IC 480-594200/14	100.0	186.156122	25.0	159343.0	1.861561	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

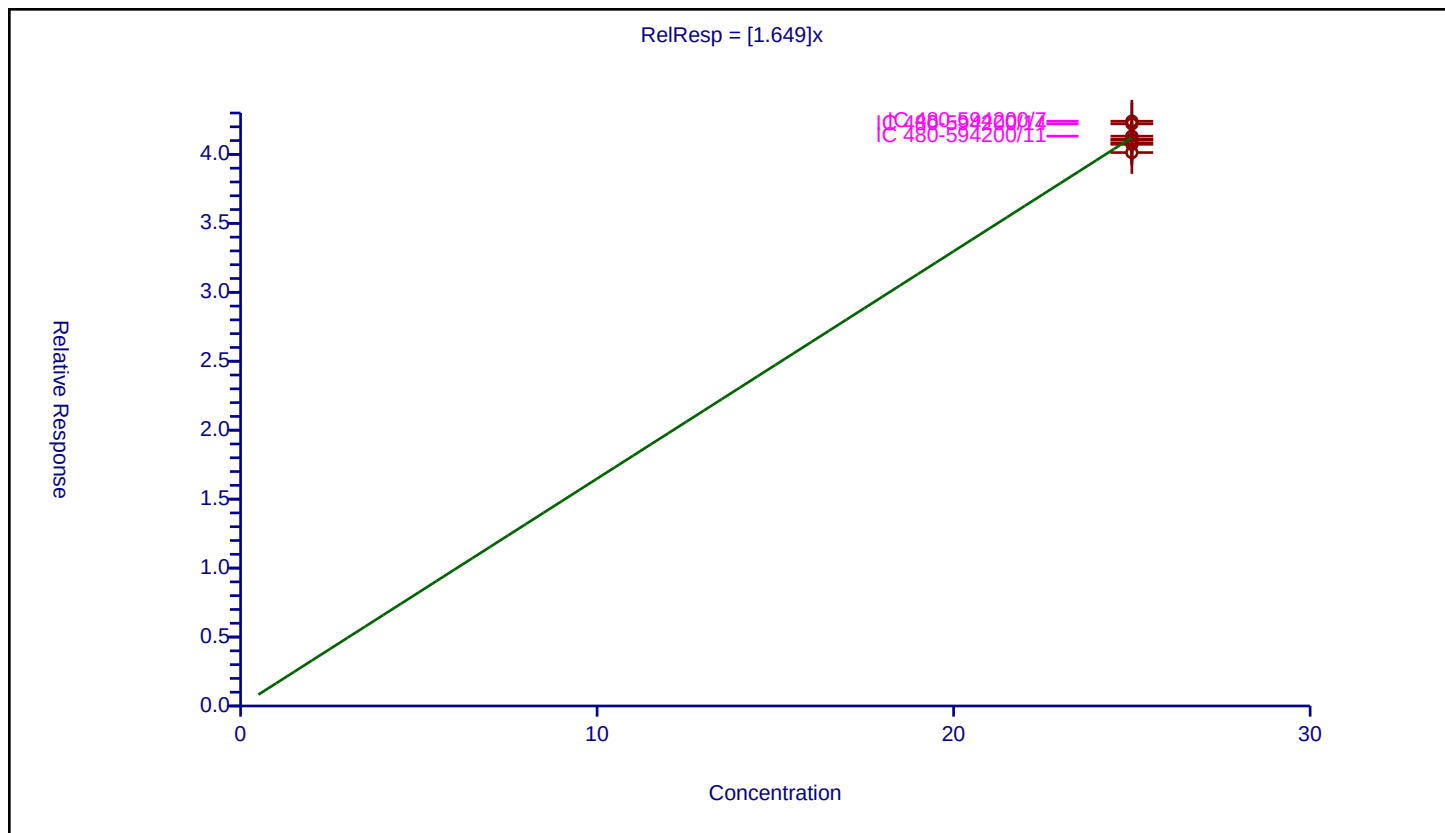
Curve Coefficients

Intercept: 0
 Slope: 1.649

Error Coefficients

Standard Error: 281000
 Relative Standard Error: 1.8
 Correlation Coefficient: 0
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	25.0	42.404925	25.0	160242.0	1.696197	Y
2	IC 480-594200/8	25.0	40.132196	25.0	153408.0	1.605288	Y
3	IC 480-594200/9	25.0	41.093564	25.0	154248.0	1.643743	Y
4	IC 480-594200/10	25.0	41.023134	25.0	162877.0	1.640925	Y
5	IC 480-594200/11	25.0	41.322348	25.0	164189.0	1.652894	Y
6	ICIS 480-594200/12	25.0	40.728923	25.0	154502.0	1.629157	Y
7	IC 480-594200/13	25.0	40.807762	25.0	164114.0	1.63231	Y
8	IC 480-594200/14	25.0	42.213339	25.0	159343.0	1.688534	Y



Calibration

/ Benzene

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

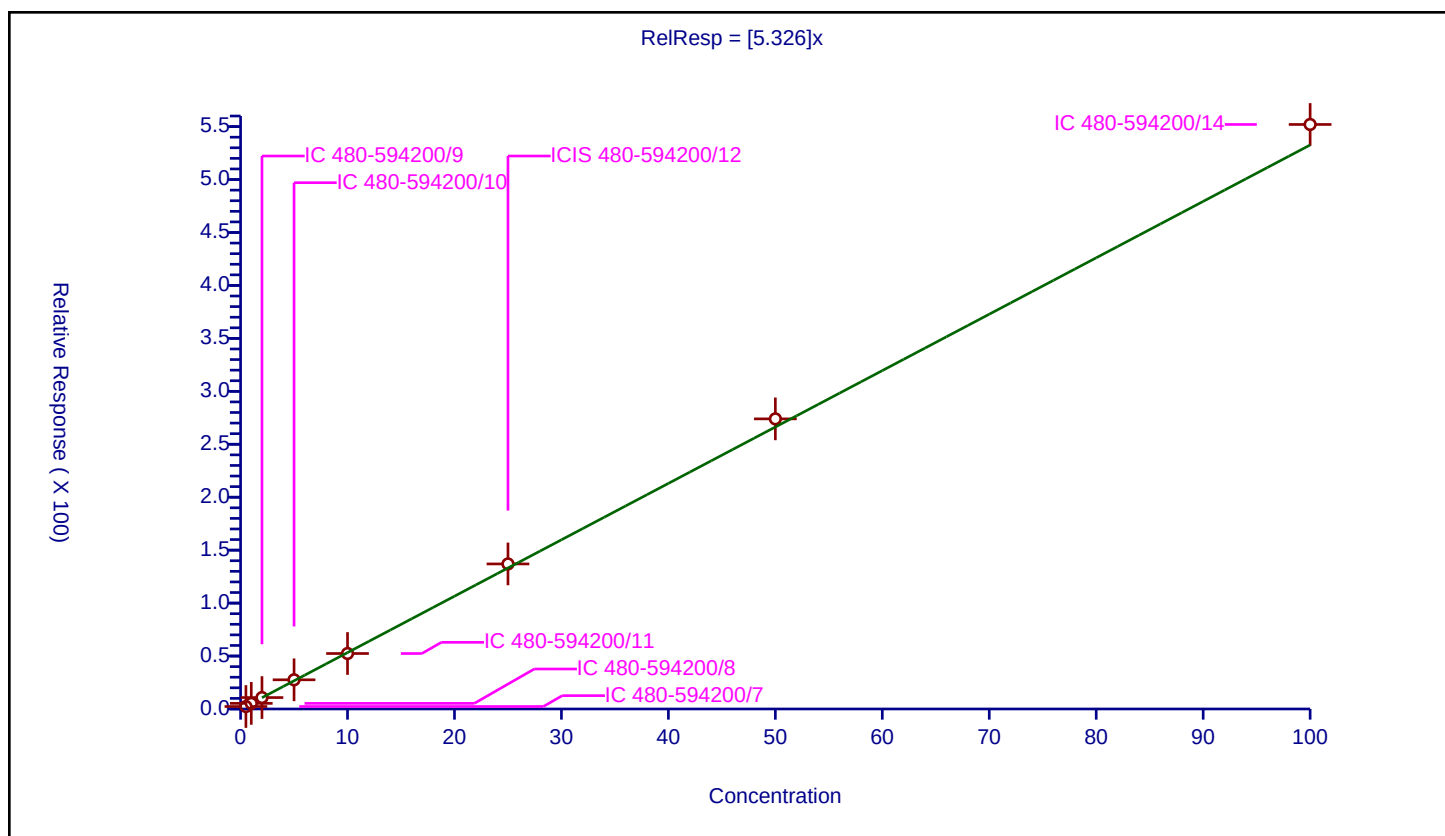
Curve Coefficients

Intercept: 0
Slope: 5.326

Error Coefficients

Standard Error: 1530000
Relative Standard Error: 5.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	2.341147	25.0	160242.0	4.682293	Y
2	IC 480-594200/8	1.0	5.300082	25.0	153408.0	5.300082	Y
3	IC 480-594200/9	2.0	10.790415	25.0	154248.0	5.395208	Y
4	IC 480-594200/10	5.0	27.569117	25.0	162877.0	5.513823	Y
5	IC 480-594200/11	10.0	52.401501	25.0	164189.0	5.24015	Y
6	ICIS 480-594200/12	25.0	136.985605	25.0	154502.0	5.479424	Y
7	IC 480-594200/13	50.0	273.977997	25.0	164114.0	5.47956	Y
8	IC 480-594200/14	100.0	552.0197	25.0	159343.0	5.520197	Y



Calibration

/ Isobutyl alcohol

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

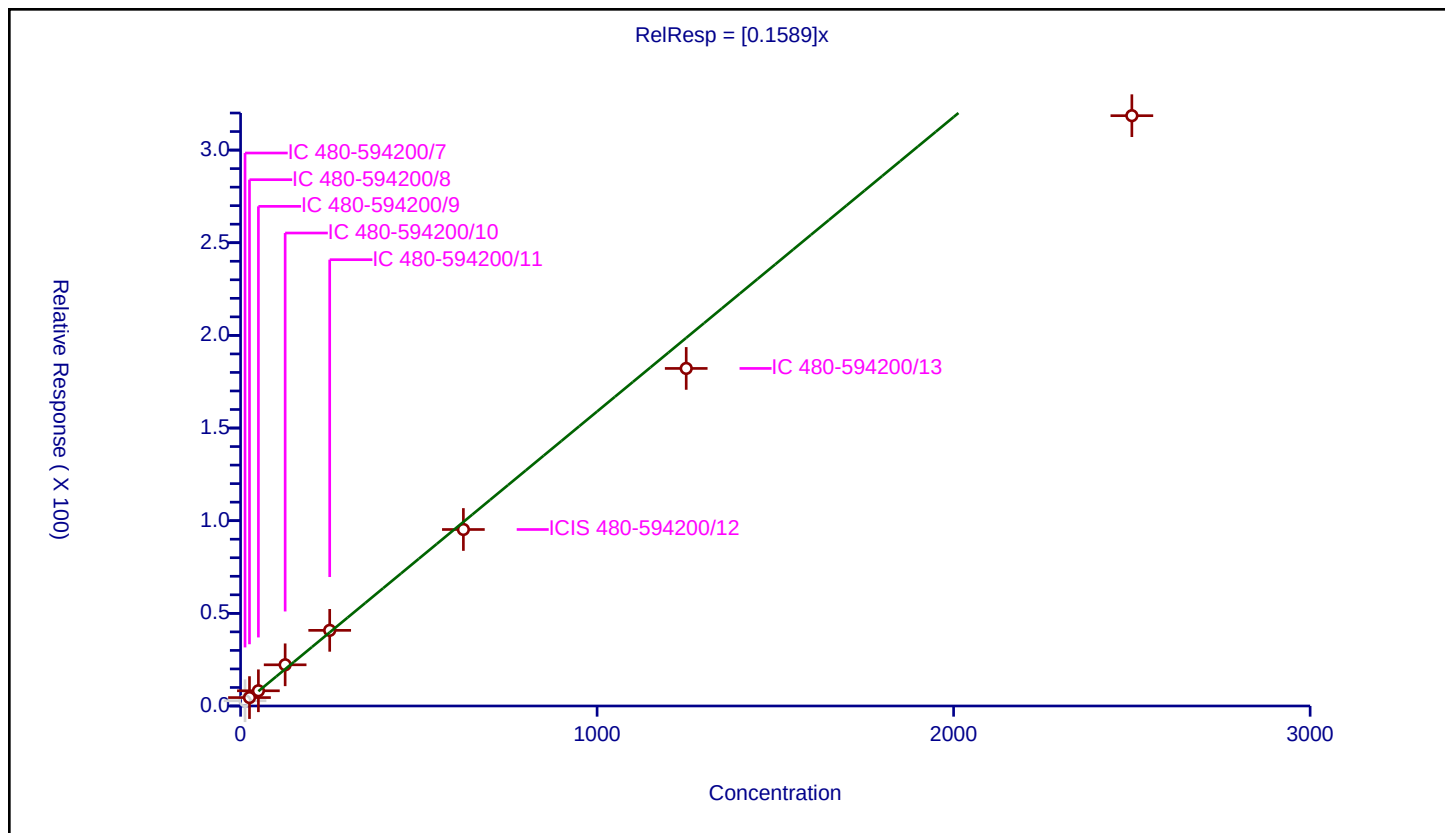
Curve Coefficients

Intercept: 0
 Slope: 0.1589

Error Coefficients

Standard Error: 999000
 Relative Standard Error: 11.8
 Correlation Coefficient: 0.993
 Coefficient of Determination (Adjusted): 0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	12.5	2.829002	25.0	160242.0	0.22632	N
2	IC 480-594200/8	25.0	4.540669	25.0	153408.0	0.181627	Y
3	IC 480-594200/9	50.0	8.2074	25.0	154248.0	0.164148	Y
4	IC 480-594200/10	125.0	22.228891	25.0	162877.0	0.177831	Y
5	IC 480-594200/11	250.0	40.821096	25.0	164189.0	0.163284	Y
6	ICIS 480-594200/12	625.0	95.247149	25.0	154502.0	0.152395	Y
7	IC 480-594200/13	1250.0	182.170778	25.0	164114.0	0.145737	Y
8	IC 480-594200/14	2500.0	318.564826	25.0	159343.0	0.127426	Y



Calibration

/ 1,2-Dichloroethane

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

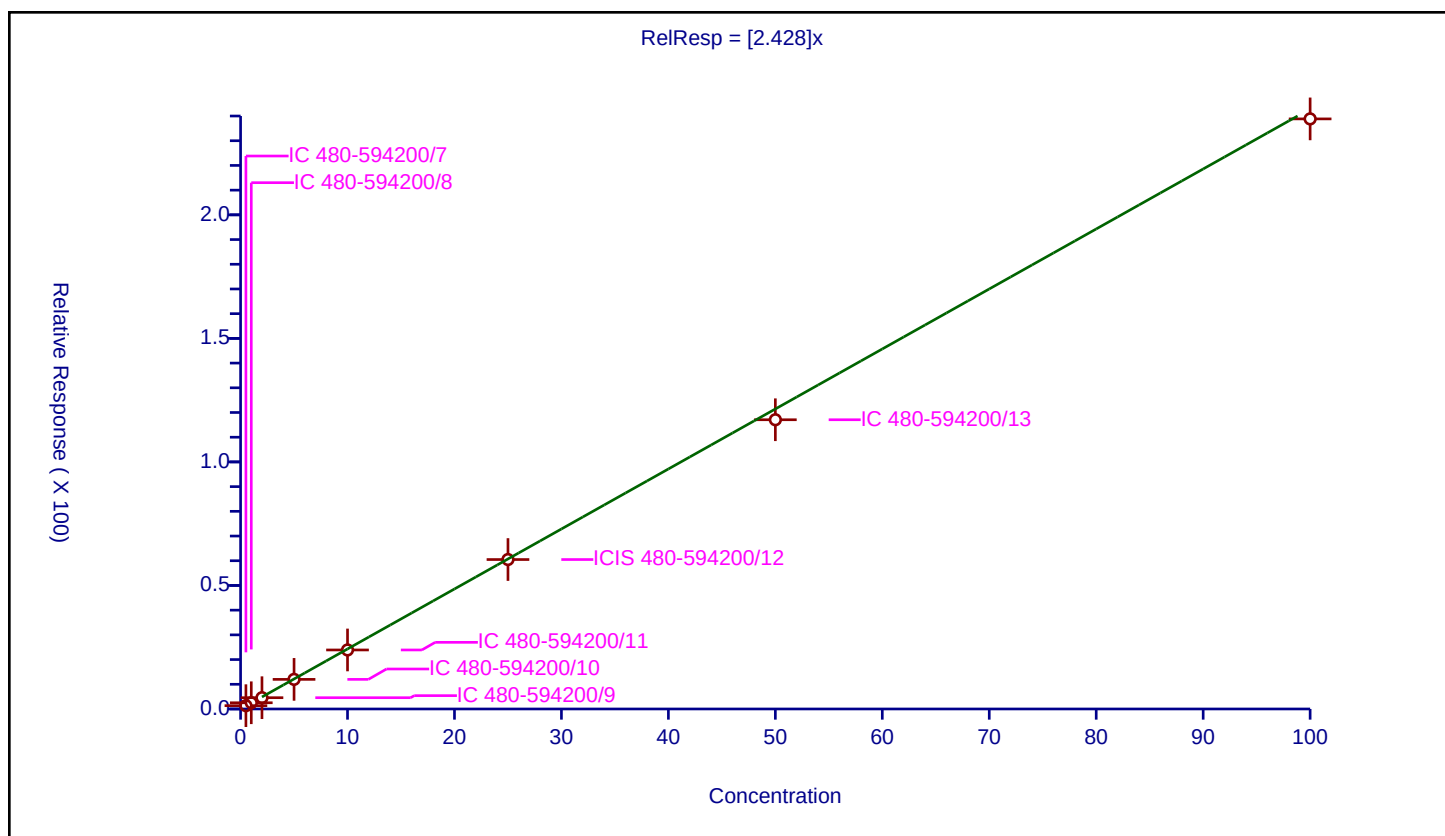
Curve Coefficients

Intercept: 0
 Slope: 2.428

Error Coefficients

Standard Error: 663000
 Relative Standard Error: 5.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.344685	25.0	160242.0	2.68937	Y
2	IC 480-594200/8	1.0	2.517144	25.0	153408.0	2.517144	Y
3	IC 480-594200/9	2.0	4.5704	25.0	154248.0	2.2852	Y
4	IC 480-594200/10	5.0	11.987727	25.0	162877.0	2.397545	Y
5	IC 480-594200/11	10.0	23.890608	25.0	164189.0	2.389061	Y
6	ICIS 480-594200/12	25.0	60.493553	25.0	154502.0	2.419742	Y
7	IC 480-594200/13	50.0	117.064967	25.0	164114.0	2.341299	Y
8	IC 480-594200/14	100.0	238.835562	25.0	159343.0	2.388356	Y



Calibration

/ n-Heptane

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

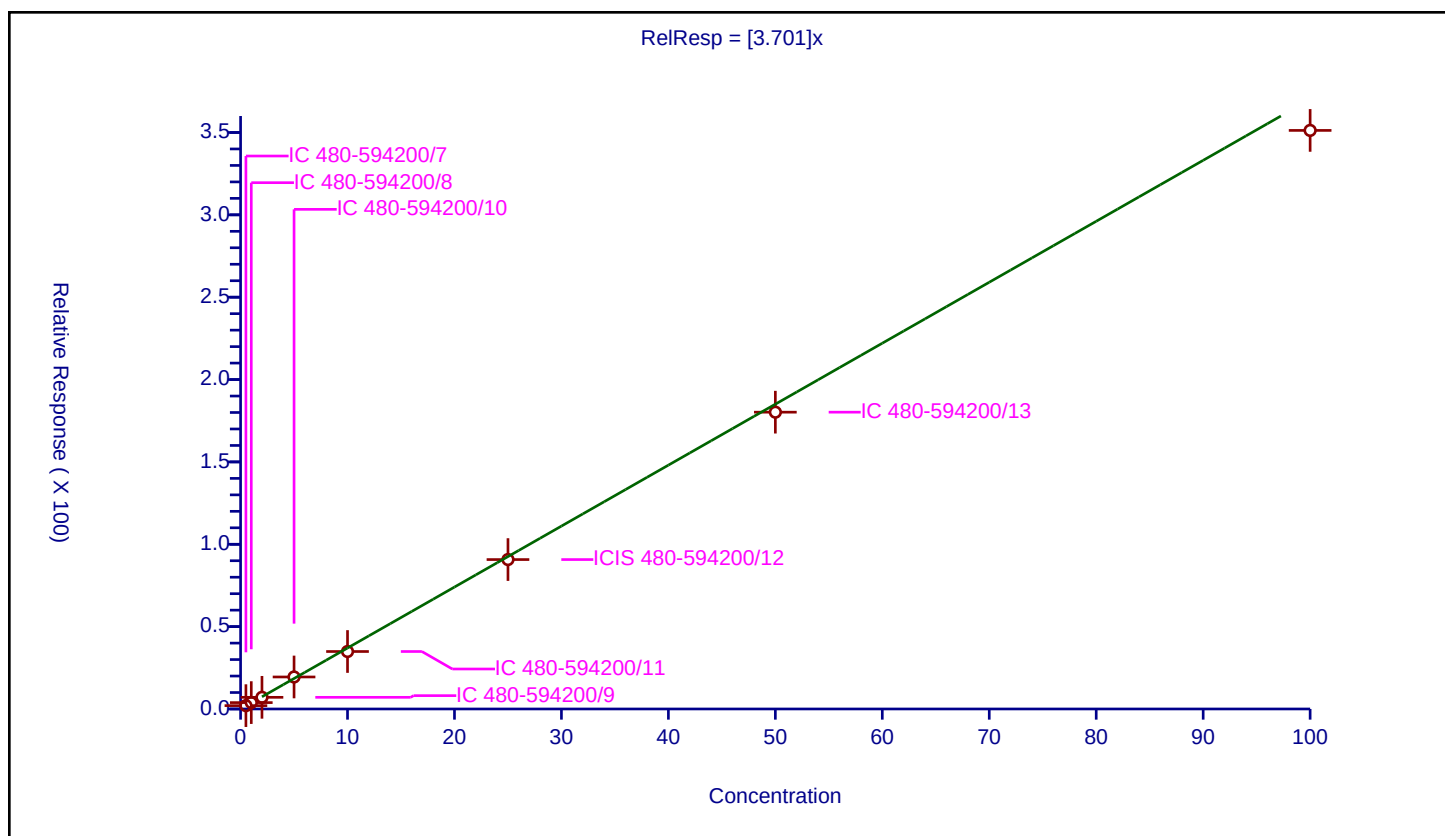
Curve Coefficients

Intercept: 0
Slope: 3.701

Error Coefficients

Standard Error: 985000
Relative Standard Error: 5.8
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	2.032083	25.0	160242.0	4.064165	Y
2	IC 480-594200/8	1.0	3.878709	25.0	153408.0	3.878709	Y
3	IC 480-594200/9	2.0	7.088098	25.0	154248.0	3.544049	Y
4	IC 480-594200/10	5.0	19.435218	25.0	162877.0	3.887044	Y
5	IC 480-594200/11	10.0	34.889974	25.0	164189.0	3.488997	Y
6	ICIS 480-594200/12	25.0	90.725525	25.0	154502.0	3.629021	Y
7	IC 480-594200/13	50.0	180.198673	25.0	164114.0	3.603973	Y
8	IC 480-594200/14	100.0	351.250918	25.0	159343.0	3.512509	Y



Calibration

/ Trichloroethene

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

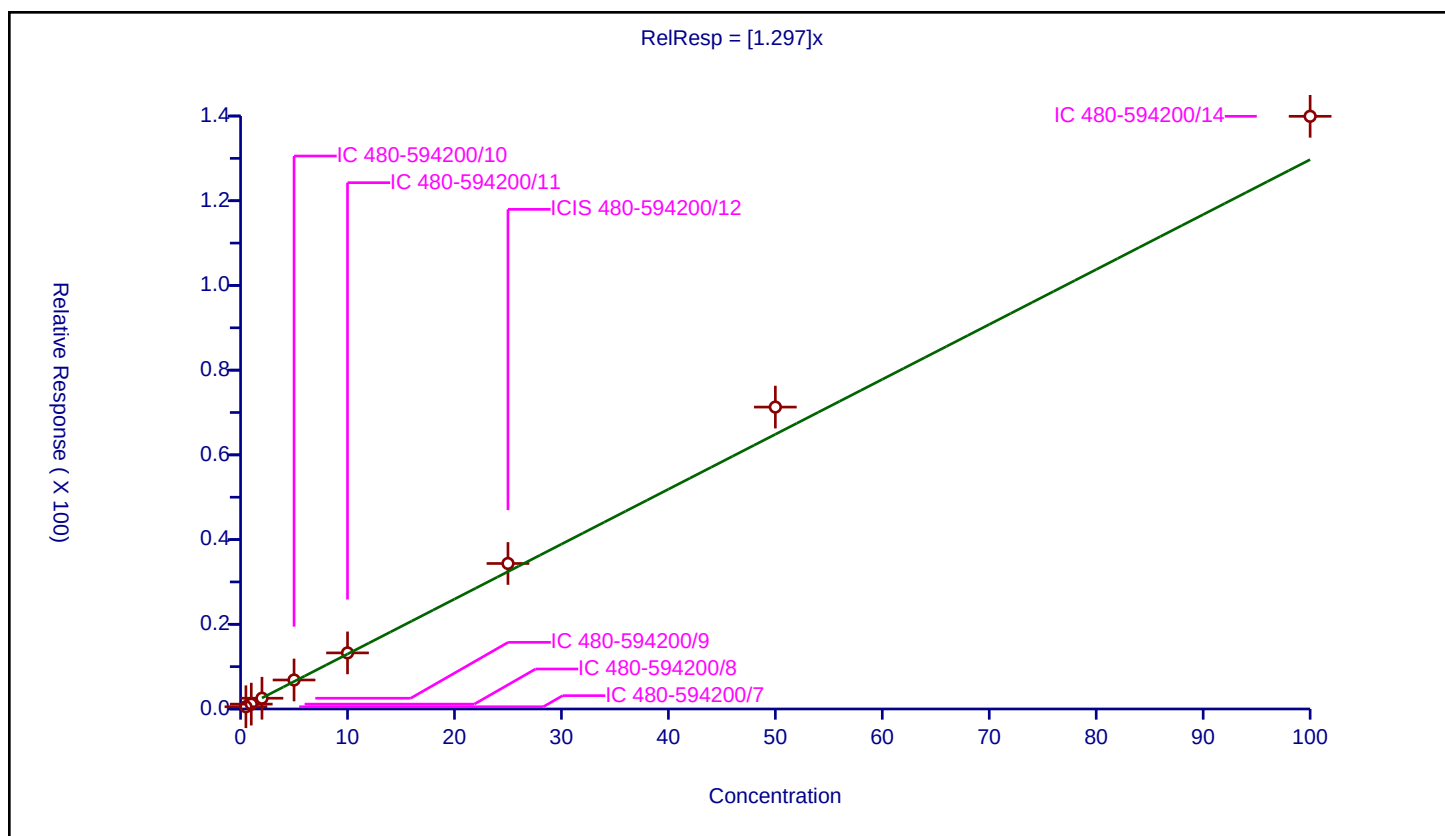
Curve Coefficients

Intercept: 0
 Slope: 1.297

Error Coefficients

Standard Error: 391000
 Relative Standard Error: 9.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.531852	25.0	160242.0	1.063704	Y
2	IC 480-594200/8	1.0	1.150038	25.0	153408.0	1.150038	Y
3	IC 480-594200/9	2.0	2.538607	25.0	154248.0	1.269303	Y
4	IC 480-594200/10	5.0	6.849033	25.0	162877.0	1.369807	Y
5	IC 480-594200/11	10.0	13.244188	25.0	164189.0	1.324419	Y
6	ICIS 480-594200/12	25.0	34.354895	25.0	154502.0	1.374196	Y
7	IC 480-594200/13	50.0	71.27774	25.0	164114.0	1.425555	Y
8	IC 480-594200/14	100.0	139.930998	25.0	159343.0	1.39931	Y



Calibration

/ Methylcyclohexane

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

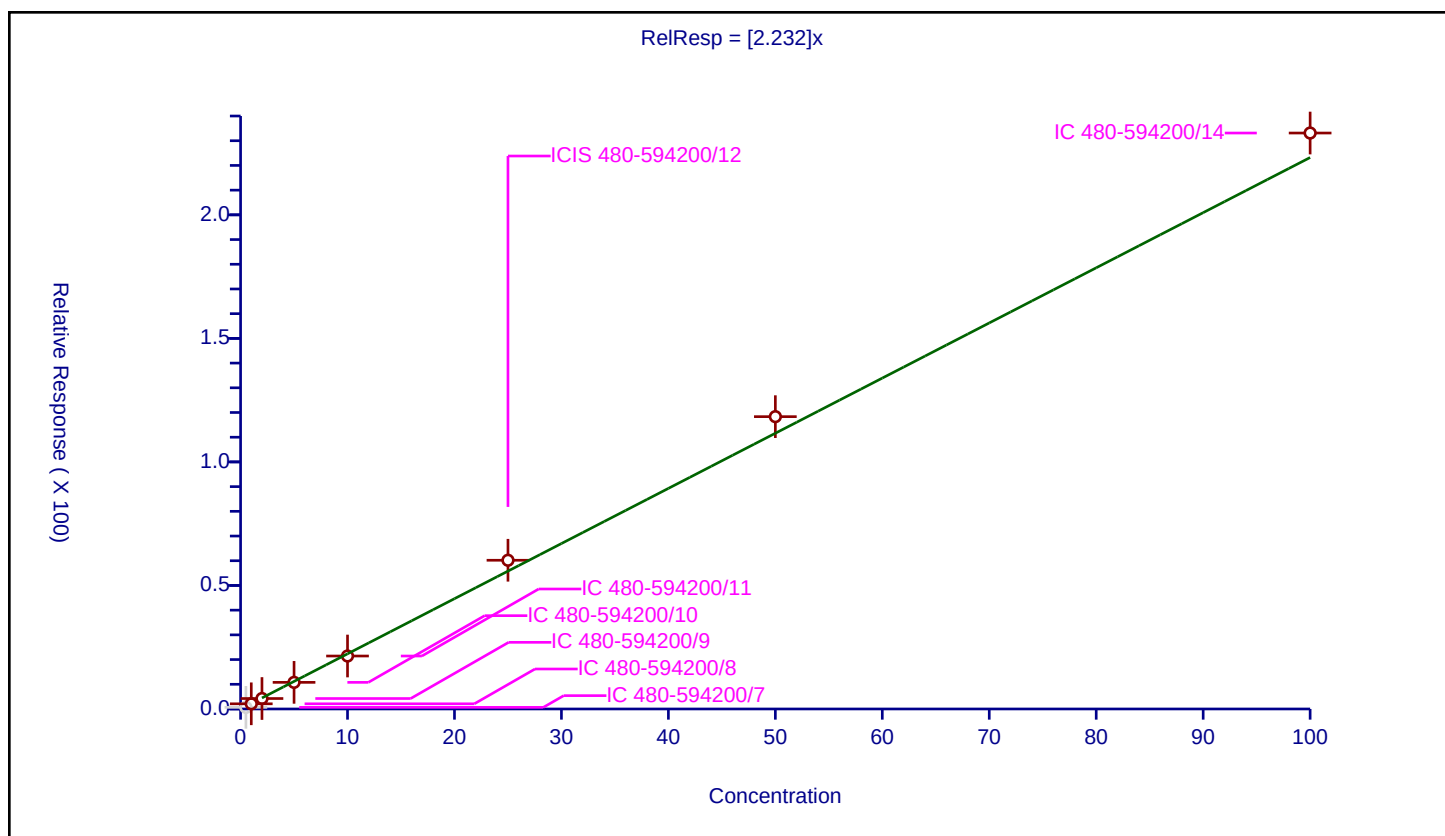
Curve Coefficients

Intercept: 0
Slope: 2.232

Error Coefficients

Standard Error: 704000
Relative Standard Error: 5.9
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.661343	25.0	160242.0	1.322687	N
2	IC 480-594200/8	1.0	2.101911	25.0	153408.0	2.101911	Y
3	IC 480-594200/9	2.0	4.235549	25.0	154248.0	2.117775	Y
4	IC 480-594200/10	5.0	10.774081	25.0	162877.0	2.154816	Y
5	IC 480-594200/11	10.0	21.444646	25.0	164189.0	2.144465	Y
6	ICIS 480-594200/12	25.0	60.196308	25.0	154502.0	2.407852	Y
7	IC 480-594200/13	50.0	118.31943	25.0	164114.0	2.366389	Y
8	IC 480-594200/14	100.0	233.118179	25.0	159343.0	2.331182	Y



Calibration

/ 1,2-Dichloropropane

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

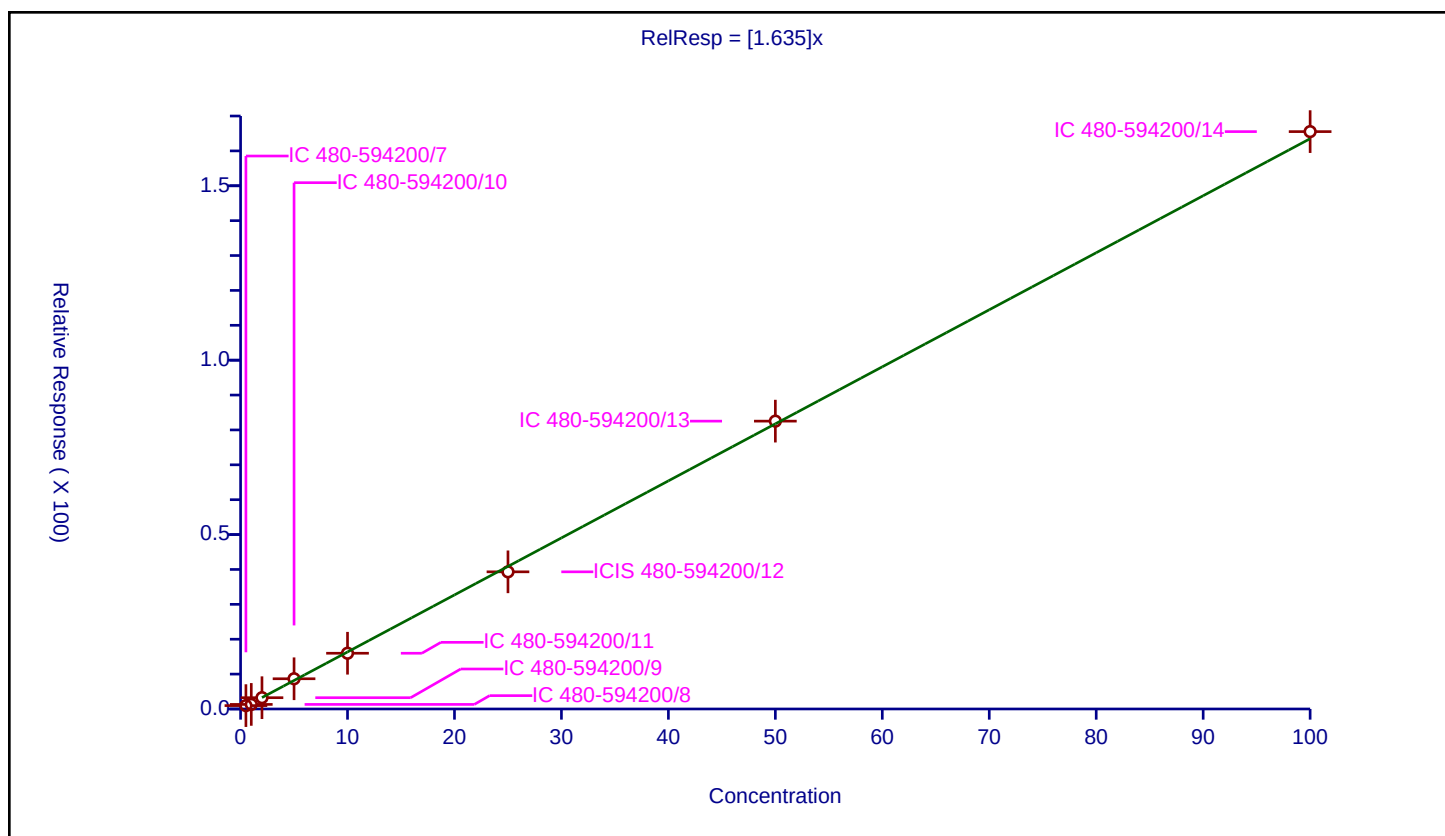
Curve Coefficients

Intercept: 0
Slope: 1.635

Error Coefficients

Standard Error: 460000
Relative Standard Error: 10.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.968223	25.0	160242.0	1.936446	Y
2	IC 480-594200/8	1.0	1.312839	25.0	153408.0	1.312839	Y
3	IC 480-594200/9	2.0	3.240074	25.0	154248.0	1.620037	Y
4	IC 480-594200/10	5.0	8.667737	25.0	162877.0	1.733547	Y
5	IC 480-594200/11	10.0	15.983562	25.0	164189.0	1.598356	Y
6	ICIS 480-594200/12	25.0	39.32441	25.0	154502.0	1.572976	Y
7	IC 480-594200/13	50.0	82.527694	25.0	164114.0	1.650554	Y
8	IC 480-594200/14	100.0	165.528608	25.0	159343.0	1.655286	Y



Calibration

/ Dibromomethane

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

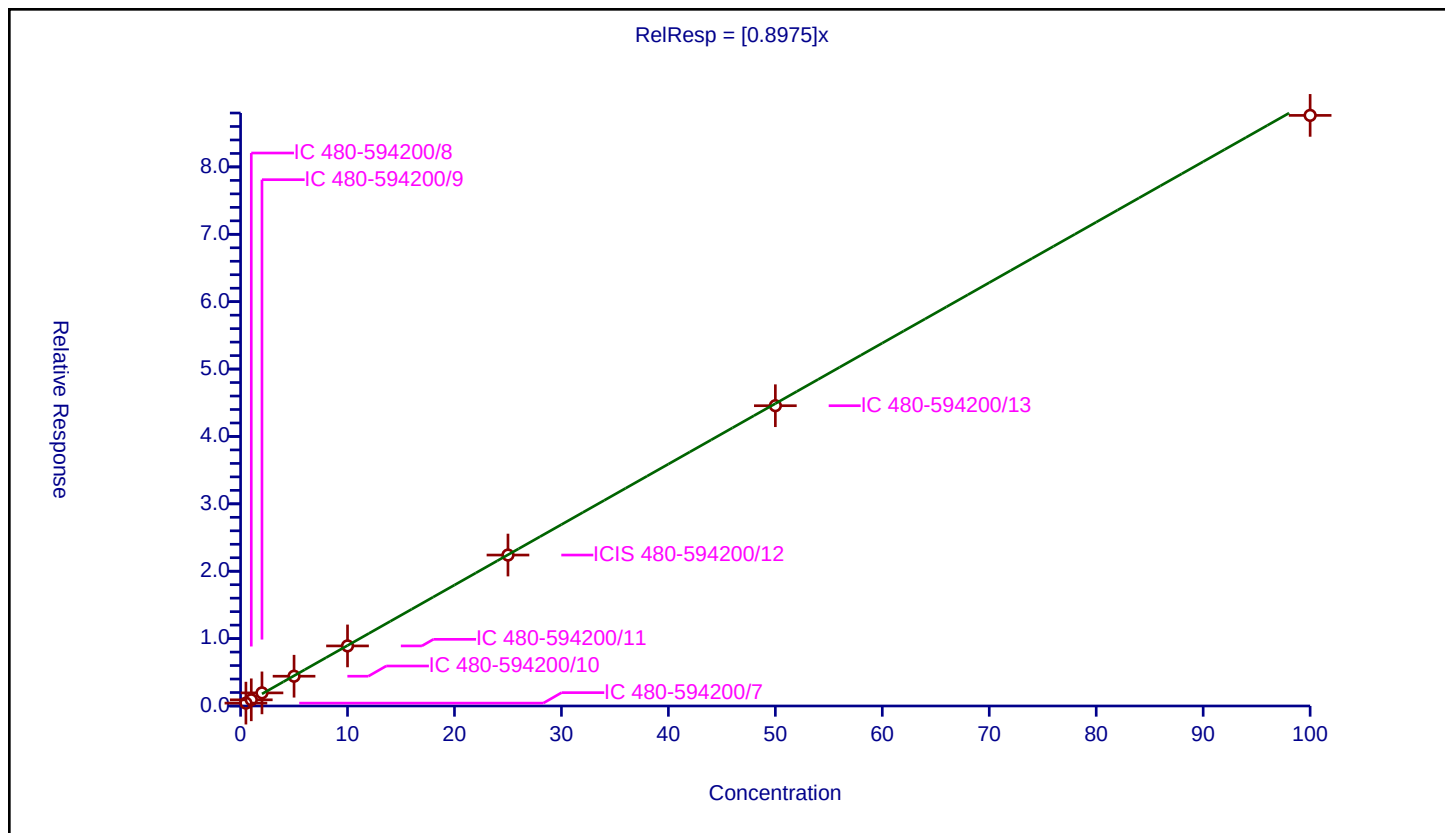
Curve Coefficients

Intercept: 0
 Slope: 0.8975

Error Coefficients

Standard Error: 245000
 Relative Standard Error: 4.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.425294	25.0	160242.0	0.850588	Y
2	IC 480-594200/8	1.0	0.917488	25.0	153408.0	0.917488	Y
3	IC 480-594200/9	2.0	1.946379	25.0	154248.0	0.973189	Y
4	IC 480-594200/10	5.0	4.418825	25.0	162877.0	0.883765	Y
5	IC 480-594200/11	10.0	8.914422	25.0	164189.0	0.891442	Y
6	ICIS 480-594200/12	25.0	22.399548	25.0	154502.0	0.895982	Y
7	IC 480-594200/13	50.0	44.563992	25.0	164114.0	0.89128	Y
8	IC 480-594200/14	100.0	87.648187	25.0	159343.0	0.876482	Y



Calibration

/ 1,4-Dioxane

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

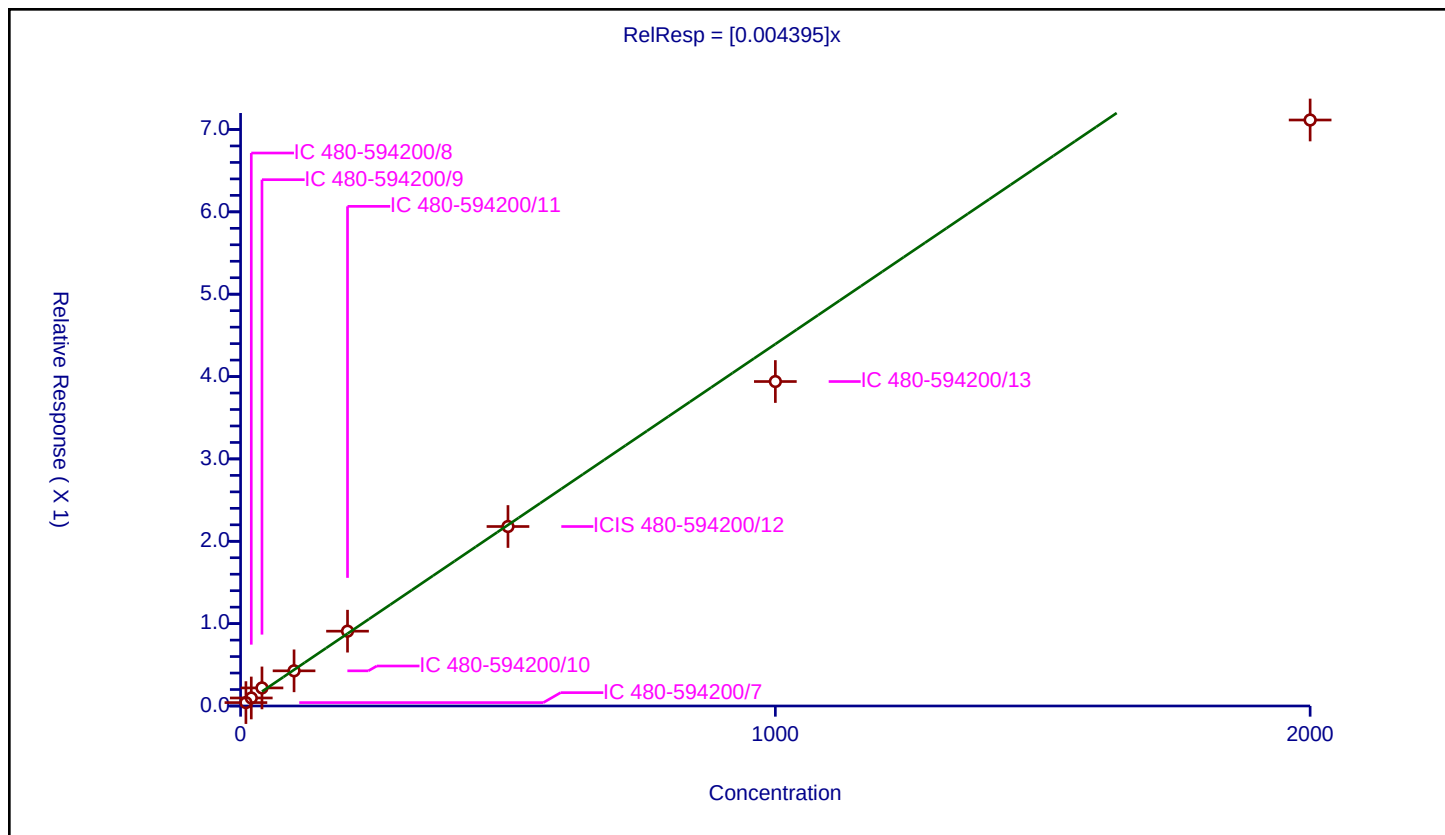
Curve Coefficients

Intercept: 0
 Slope: 0.004395

Error Coefficients

Standard Error: 77900
 Relative Standard Error: 13.4
 Correlation Coefficient: 0.995
 Coefficient of Determination (Adjusted): 0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	10.0	0.041409	25.0	608561.0	0.004141	Y
2	IC 480-594200/8	20.0	0.097323	25.0	551770.0	0.004866	Y
3	IC 480-594200/9	40.0	0.219308	25.0	534522.0	0.005483	Y
4	IC 480-594200/10	100.0	0.427063	25.0	596868.0	0.004271	Y
5	IC 480-594200/11	200.0	0.908489	25.0	601493.0	0.004542	Y
6	ICIS 480-594200/12	500.0	2.179119	25.0	561213.0	0.004358	Y
7	IC 480-594200/13	1000.0	3.939751	25.0	629767.0	0.00394	Y
8	IC 480-594200/14	2000.0	7.11515	25.0	604404.0	0.003558	Y



Calibration

/ Dichlorobromomethane

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

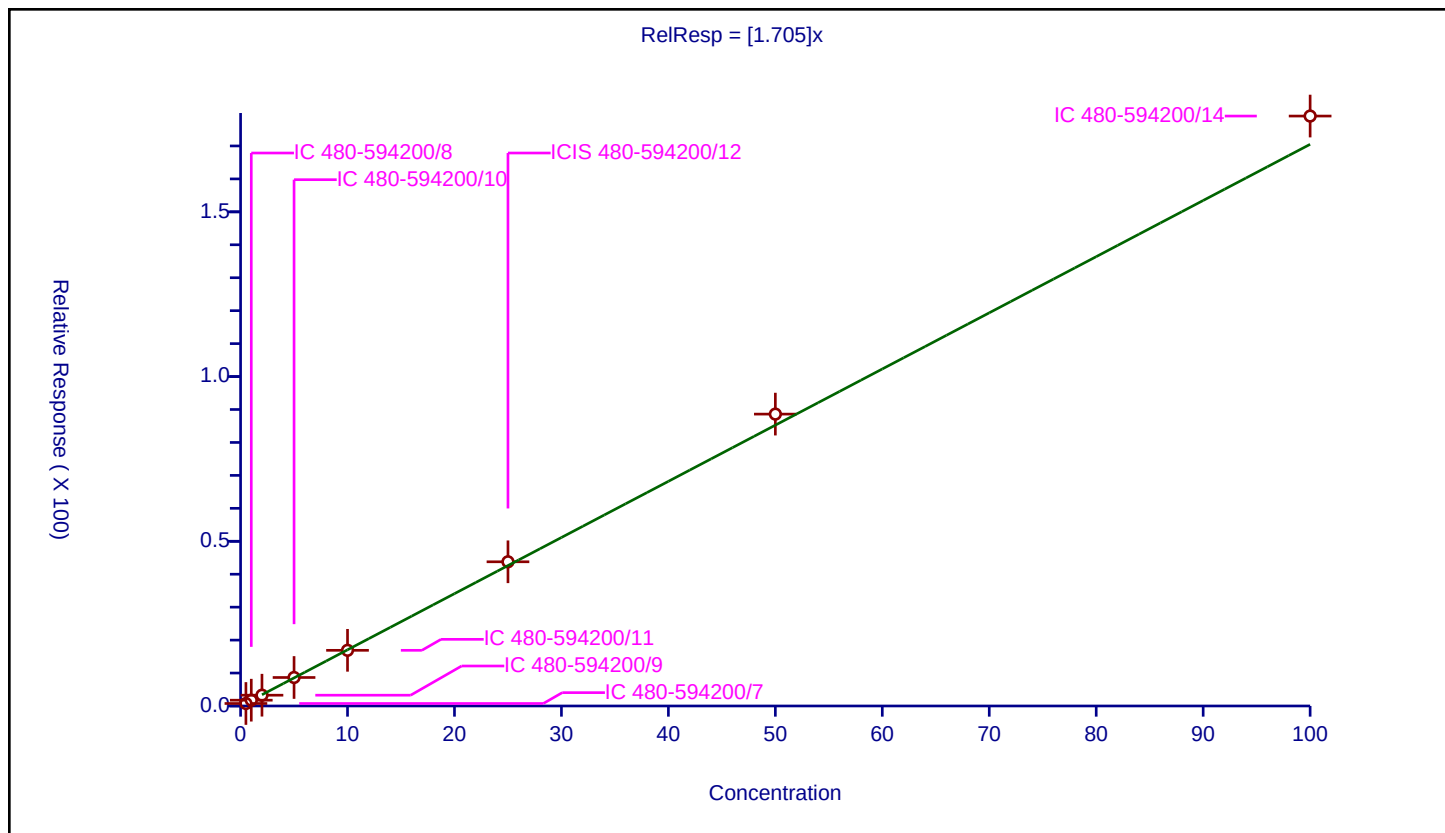
Curve Coefficients

Intercept: 0
 Slope: 1.705

Error Coefficients

Standard Error: 497000
 Relative Standard Error: 5.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.753548	25.0	160242.0	1.507096	Y
2	IC 480-594200/8	1.0	1.761805	25.0	153408.0	1.761805	Y
3	IC 480-594200/9	2.0	3.275245	25.0	154248.0	1.637623	Y
4	IC 480-594200/10	5.0	8.647169	25.0	162877.0	1.729434	Y
5	IC 480-594200/11	10.0	16.898666	25.0	164189.0	1.689867	Y
6	ICIS 480-594200/12	25.0	43.773867	25.0	154502.0	1.750955	Y
7	IC 480-594200/13	50.0	88.60274	25.0	164114.0	1.772055	Y
8	IC 480-594200/14	100.0	179.075014	25.0	159343.0	1.79075	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

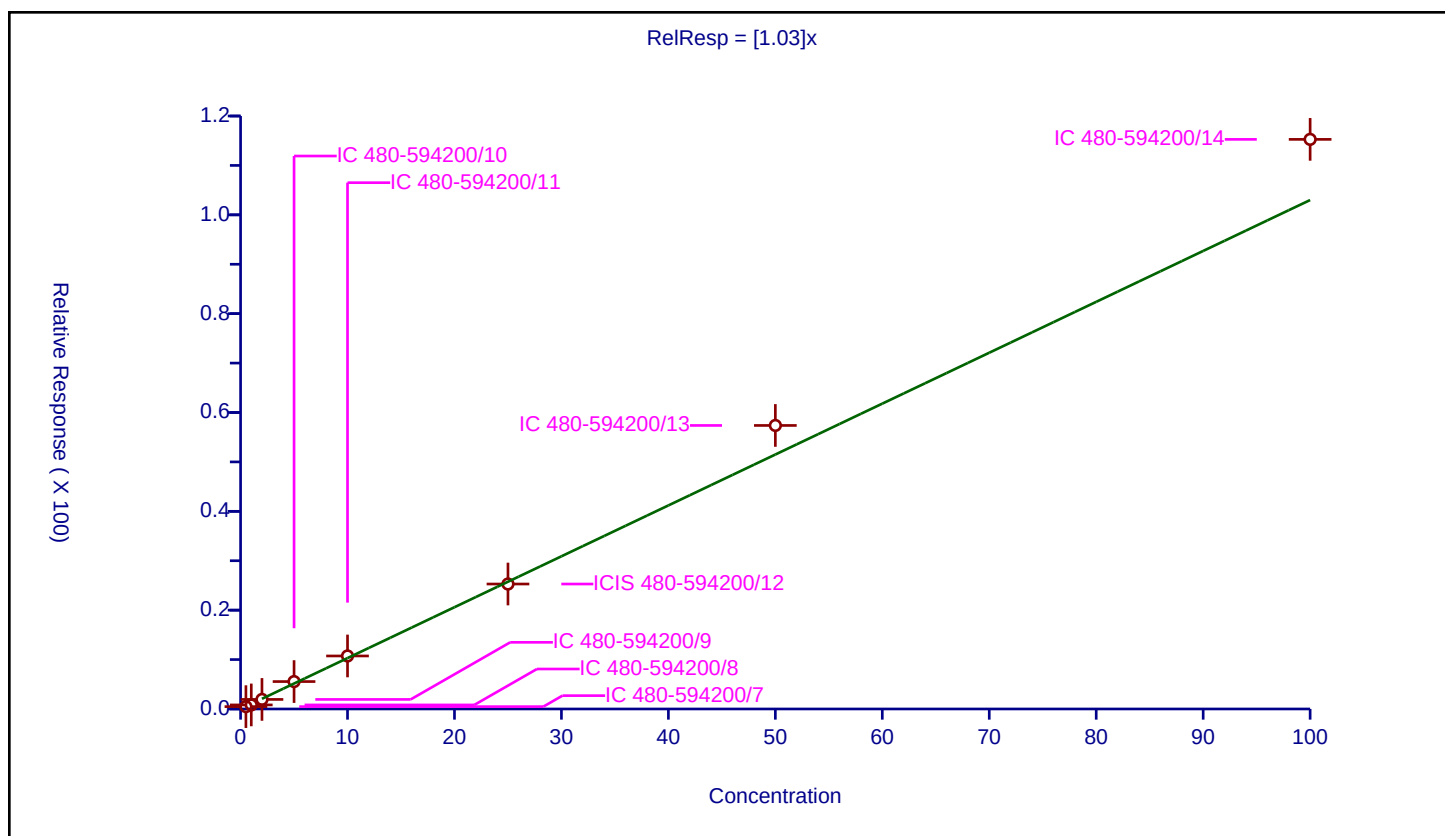
Curve Coefficients

Intercept: 0
 Slope: 1.03

Error Coefficients

Standard Error: 319000
 Relative Standard Error: 11.0
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.477403	25.0	160242.0	0.954806	Y
2	IC 480-594200/8	1.0	0.822806	25.0	153408.0	0.822806	Y
3	IC 480-594200/9	2.0	1.933737	25.0	154248.0	0.966868	Y
4	IC 480-594200/10	5.0	5.548512	25.0	162877.0	1.109702	Y
5	IC 480-594200/11	10.0	10.732144	25.0	164189.0	1.073214	Y
6	ICIS 480-594200/12	25.0	25.289155	25.0	154502.0	1.011566	Y
7	IC 480-594200/13	50.0	57.379169	25.0	164114.0	1.147583	Y
8	IC 480-594200/14	100.0	115.27491	25.0	159343.0	1.152749	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

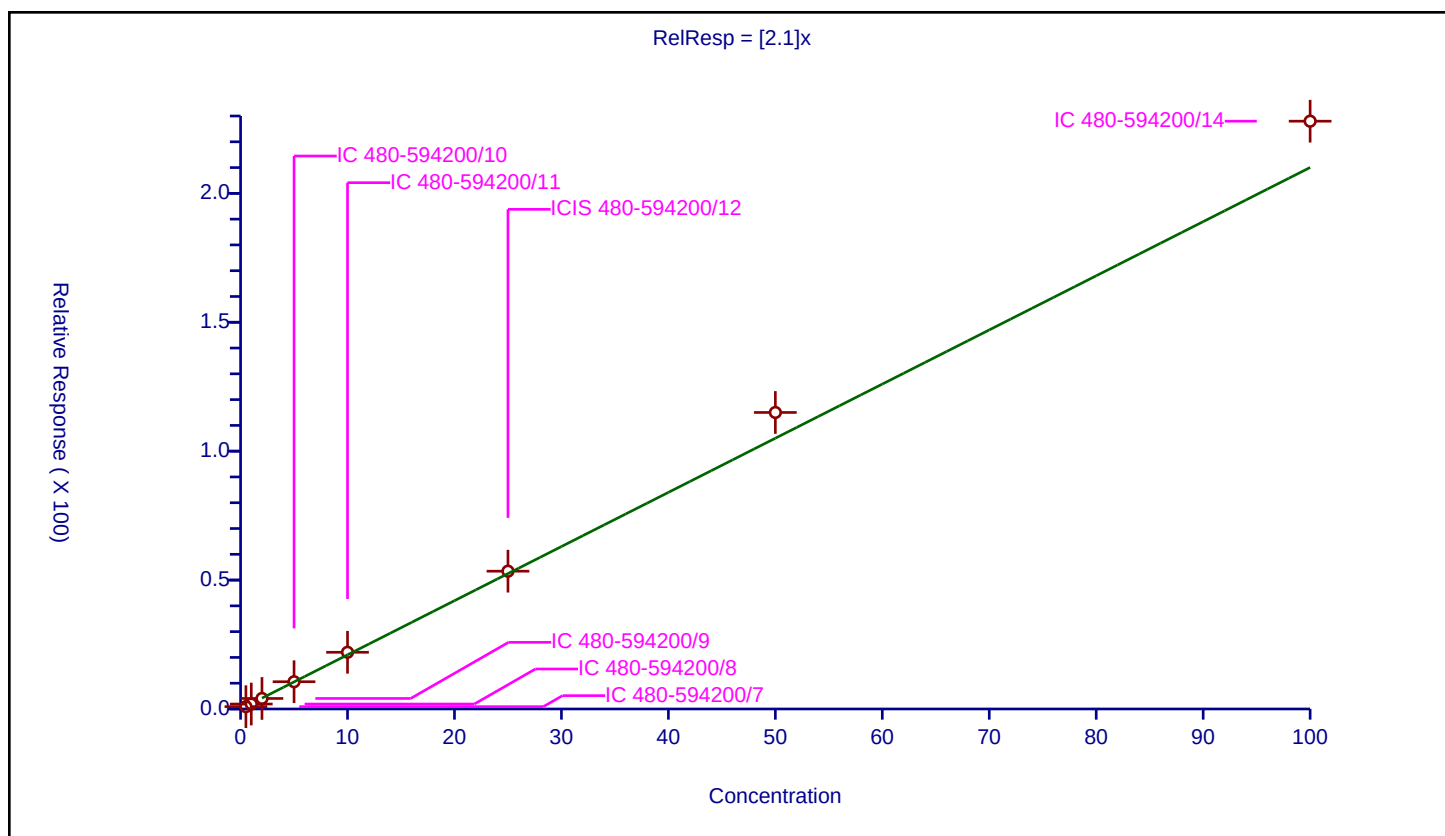
Curve Coefficients

Intercept: 0
Slope: 2.1

Error Coefficients

Standard Error: 634000
Relative Standard Error: 8.1
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.903789	25.0	160242.0	1.807579	Y
2	IC 480-594200/8	1.0	1.921836	25.0	153408.0	1.921836	Y
3	IC 480-594200/9	2.0	4.082549	25.0	154248.0	2.041274	Y
4	IC 480-594200/10	5.0	10.572549	25.0	162877.0	2.11451	Y
5	IC 480-594200/11	10.0	21.994013	25.0	164189.0	2.199401	Y
6	ICIS 480-594200/12	25.0	53.451412	25.0	154502.0	2.138056	Y
7	IC 480-594200/13	50.0	115.011973	25.0	164114.0	2.300239	Y
8	IC 480-594200/14	100.0	227.998406	25.0	159343.0	2.279984	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

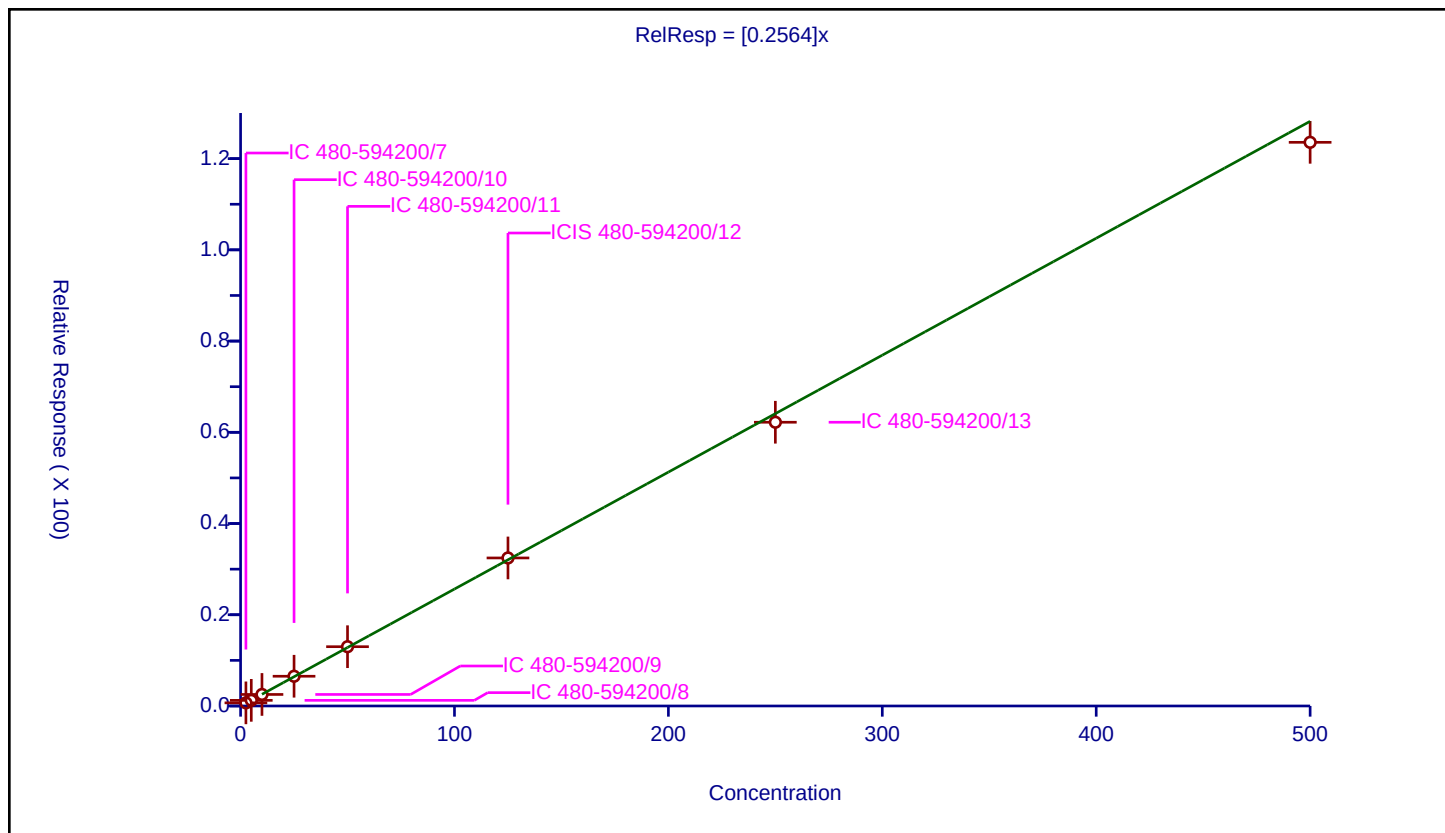
Curve Coefficients

Intercept: 0
 Slope: 0.2564

Error Coefficients

Standard Error: 1310000
 Relative Standard Error: 3.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	2.5	0.684319	25.0	608561.0	0.273728	Y
2	IC 480-594200/8	5.0	1.239013	25.0	551770.0	0.247803	Y
3	IC 480-594200/9	10.0	2.530766	25.0	534522.0	0.253077	Y
4	IC 480-594200/10	25.0	6.518569	25.0	596868.0	0.260743	Y
5	IC 480-594200/11	50.0	12.996618	25.0	601493.0	0.259932	Y
6	ICIS 480-594200/12	125.0	32.457552	25.0	561213.0	0.25966	Y
7	IC 480-594200/13	250.0	62.209635	25.0	629767.0	0.248839	Y
8	IC 480-594200/14	500.0	123.57405	25.0	604404.0	0.247148	Y



Calibration

/ Toluene-d8 (Surr)

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

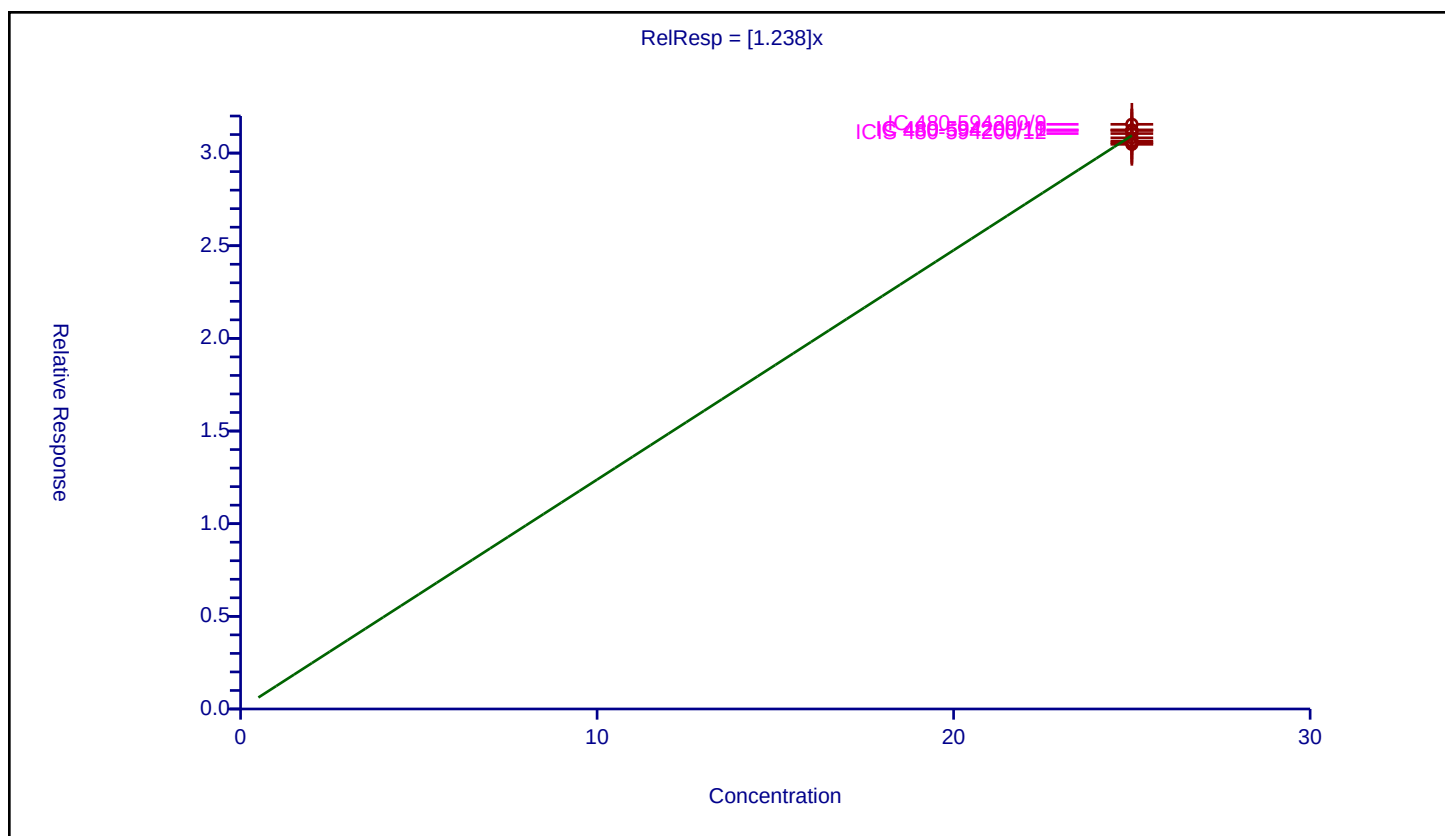
Curve Coefficients

Intercept: 0
Slope: 1.238

Error Coefficients

Standard Error: 776000
Relative Standard Error: 1.2
Correlation Coefficient: 0
Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	25.0	30.823204	25.0	608561.0	1.232928	Y
2	IC 480-594200/8	25.0	30.643475	25.0	551770.0	1.225739	Y
3	IC 480-594200/9	25.0	31.553004	25.0	534522.0	1.26212	Y
4	IC 480-594200/10	25.0	31.252932	25.0	596868.0	1.250117	Y
5	IC 480-594200/11	25.0	31.218692	25.0	601493.0	1.248748	Y
6	ICIS 480-594200/12	25.0	31.053094	25.0	561213.0	1.242124	Y
7	IC 480-594200/13	25.0	30.472143	25.0	629767.0	1.218886	Y
8	IC 480-594200/14	25.0	30.557748	25.0	604404.0	1.22231	Y



Calibration

/ Toluene

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

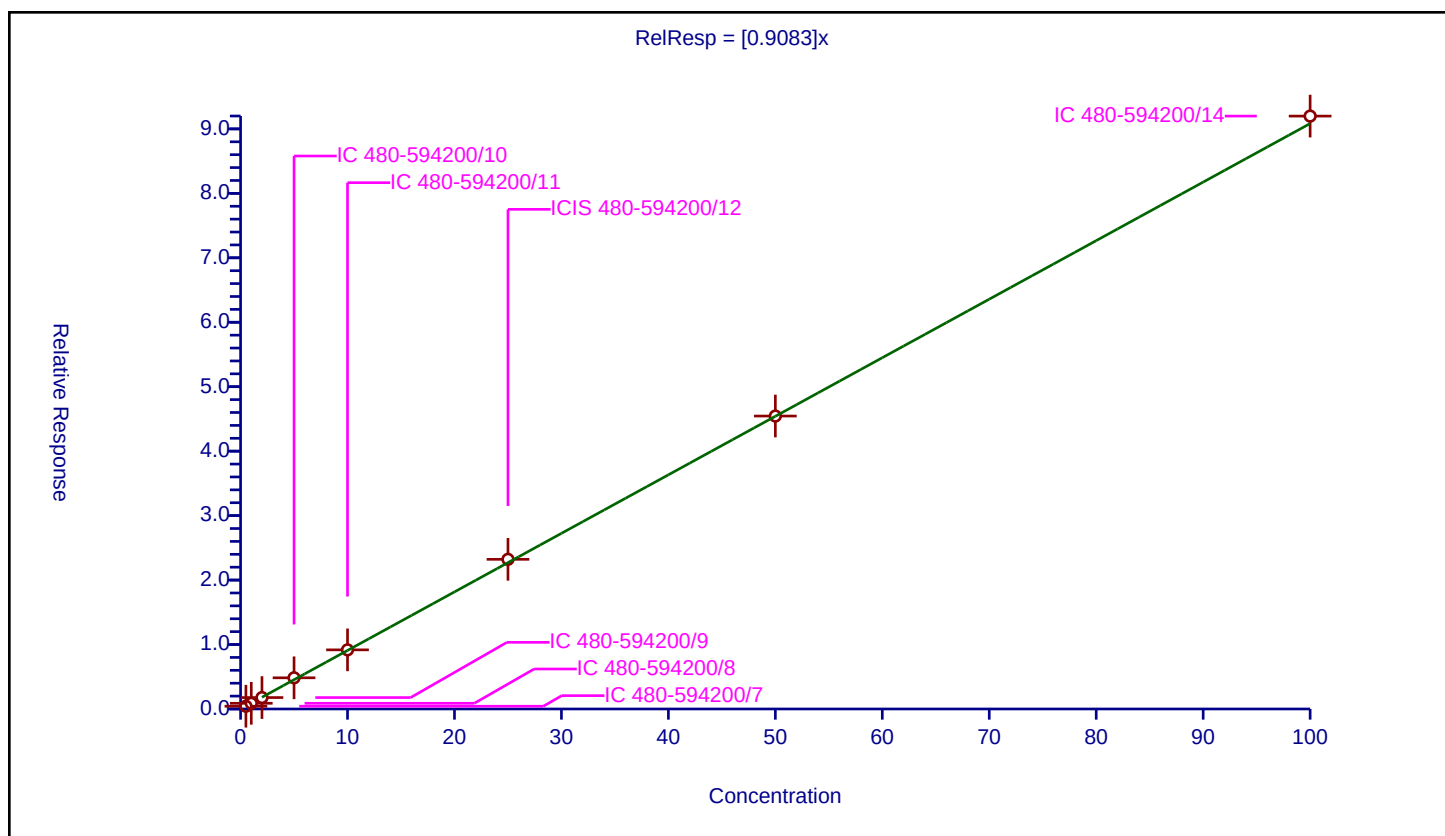
Curve Coefficients

Intercept: 0
 Slope: 0.9083

Error Coefficients

Standard Error: 970000
 Relative Standard Error: 3.8
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.426785	25.0	608561.0	0.853571	Y
2	IC 480-594200/8	1.0	0.883973	25.0	551770.0	0.883973	Y
3	IC 480-594200/9	2.0	1.772986	25.0	534522.0	0.886493	Y
4	IC 480-594200/10	5.0	4.83679	25.0	596868.0	0.967358	Y
5	IC 480-594200/11	10.0	9.172925	25.0	601493.0	0.917292	Y
6	ICIS 480-594200/12	25.0	23.220462	25.0	561213.0	0.928818	Y
7	IC 480-594200/13	50.0	45.452048	25.0	629767.0	0.909041	Y
8	IC 480-594200/14	100.0	91.987892	25.0	604404.0	0.919879	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

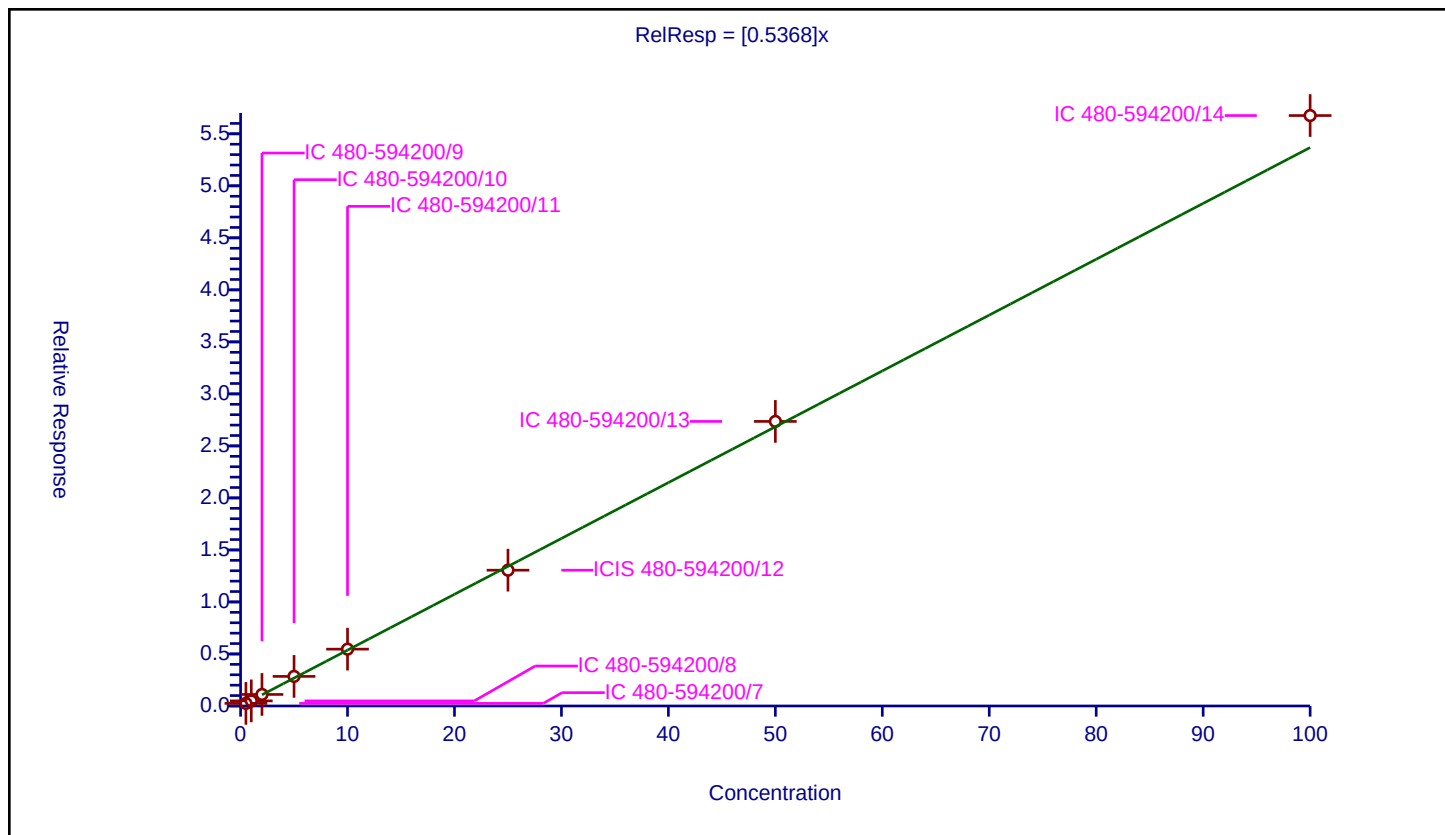
Curve Coefficients

Intercept: 0
 Slope: 0.5368

Error Coefficients

Standard Error: 594000
 Relative Standard Error: 5.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.249482	25.0	608561.0	0.498964	Y
2	IC 480-594200/8	1.0	0.489742	25.0	551770.0	0.489742	Y
3	IC 480-594200/9	2.0	1.107719	25.0	534522.0	0.553859	Y
4	IC 480-594200/10	5.0	2.843594	25.0	596868.0	0.568719	Y
5	IC 480-594200/11	10.0	5.463197	25.0	601493.0	0.54632	Y
6	ICIS 480-594200/12	25.0	13.052887	25.0	561213.0	0.522115	Y
7	IC 480-594200/13	50.0	27.354561	25.0	629767.0	0.547091	Y
8	IC 480-594200/14	100.0	56.755415	25.0	604404.0	0.567554	Y



Calibration

/ Ethyl methacrylate

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

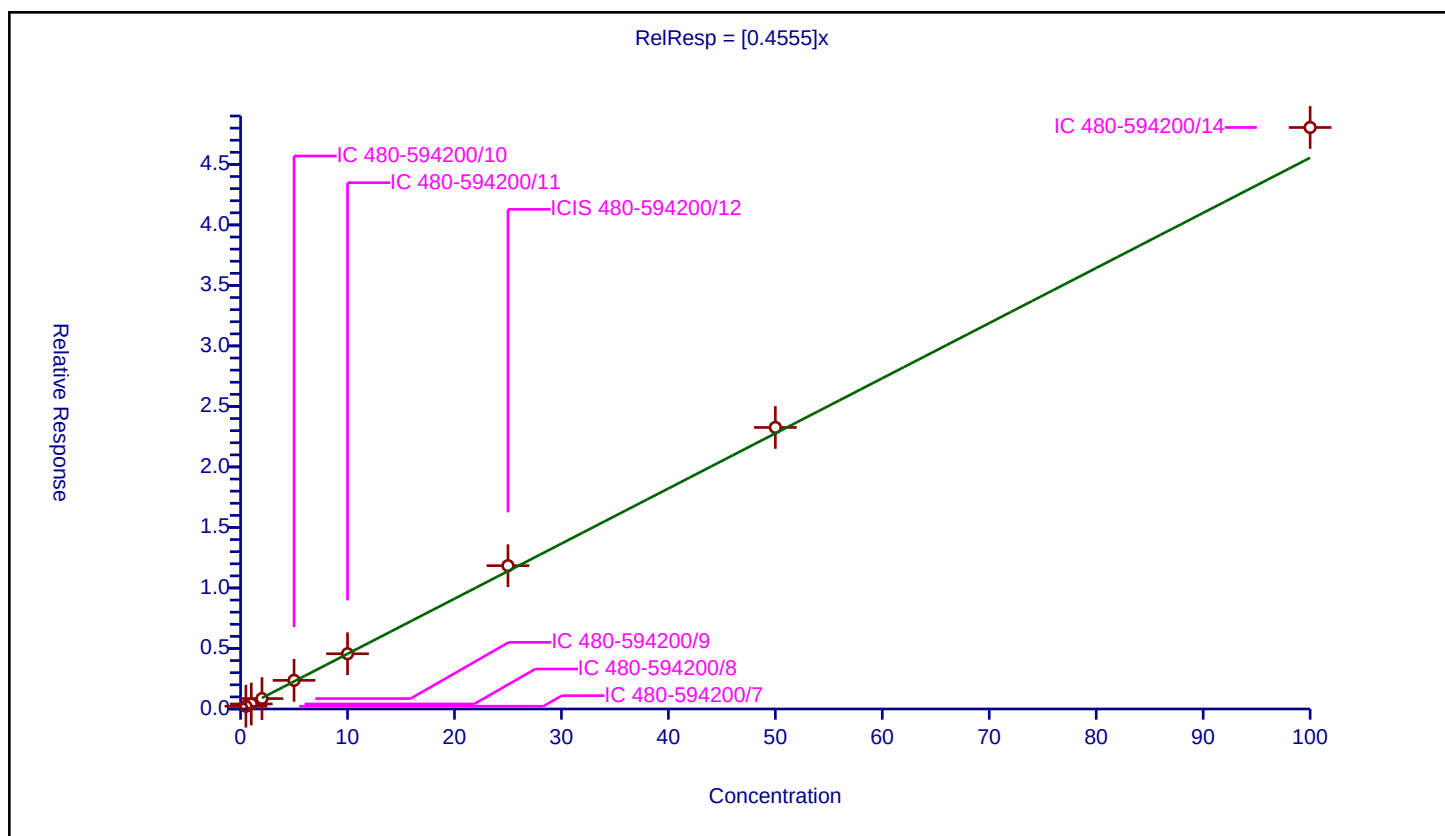
Curve Coefficients

Intercept: 0
Slope: 0.4555

Error Coefficients

Standard Error: 504000
Relative Standard Error: 5.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.224875	25.0	608561.0	0.449749	Y
2	IC 480-594200/8	1.0	0.414983	25.0	551770.0	0.414983	Y
3	IC 480-594200/9	2.0	0.860255	25.0	534522.0	0.430127	Y
4	IC 480-594200/10	5.0	2.366729	25.0	596868.0	0.473346	Y
5	IC 480-594200/11	10.0	4.564517	25.0	601493.0	0.456452	Y
6	ICIS 480-594200/12	25.0	11.840291	25.0	561213.0	0.473612	Y
7	IC 480-594200/13	50.0	23.265231	25.0	629767.0	0.465305	Y
8	IC 480-594200/14	100.0	48.051552	25.0	604404.0	0.480516	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

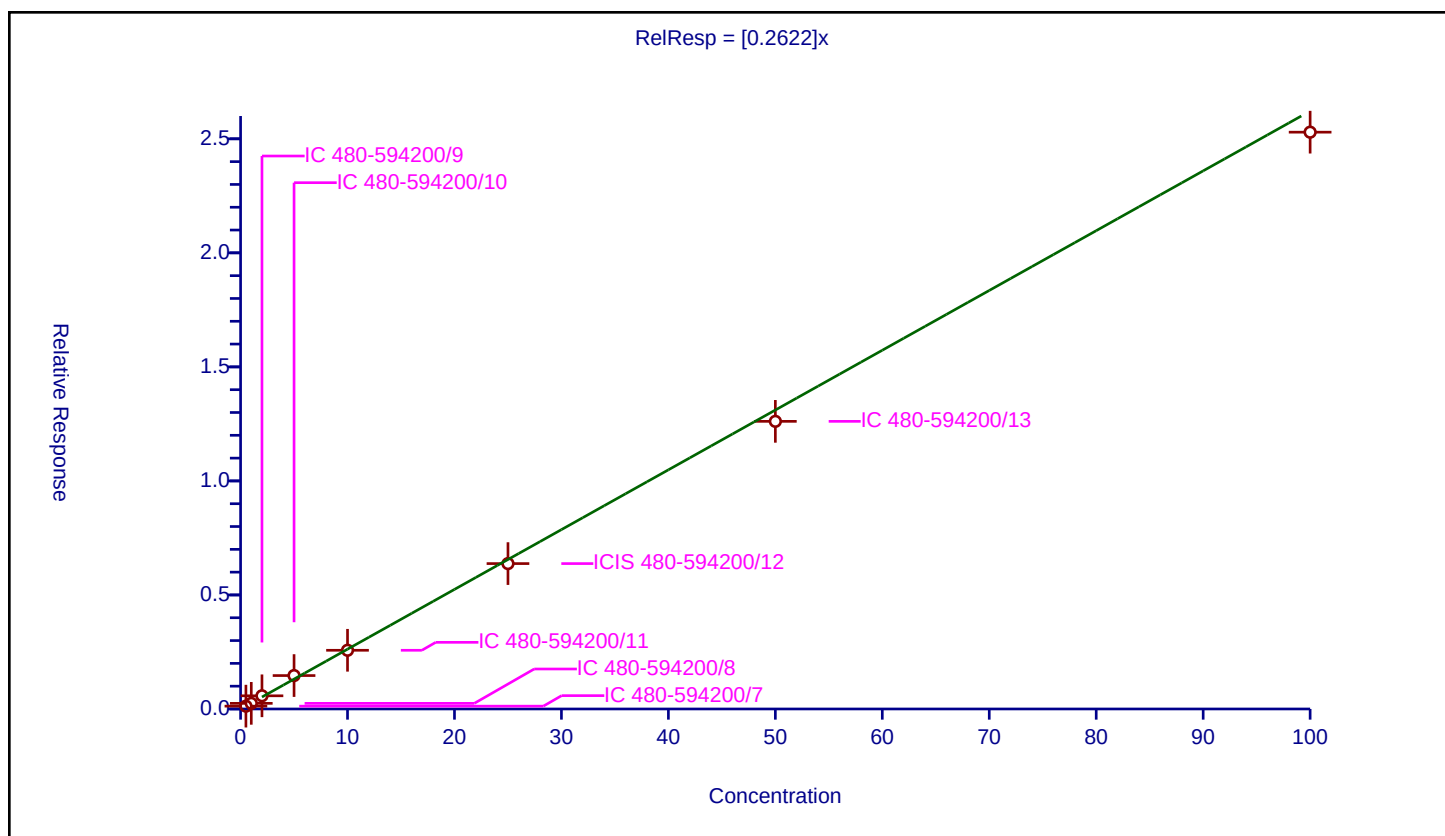
Curve Coefficients

Intercept: 0
 Slope: 0.2622

Error Coefficients

Standard Error: 267000
 Relative Standard Error: 6.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.124885	25.0	608561.0	0.24977	Y
2	IC 480-594200/8	1.0	0.247476	25.0	551770.0	0.247476	Y
3	IC 480-594200/9	2.0	0.578461	25.0	534522.0	0.28923	Y
4	IC 480-594200/10	5.0	1.465986	25.0	596868.0	0.293197	Y
5	IC 480-594200/11	10.0	2.574469	25.0	601493.0	0.257447	Y
6	ICIS 480-594200/12	25.0	6.375209	25.0	561213.0	0.255008	Y
7	IC 480-594200/13	50.0	12.611887	25.0	629767.0	0.252238	Y
8	IC 480-594200/14	100.0	25.290948	25.0	604404.0	0.252909	Y



Calibration

/ Tetrachloroethene

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

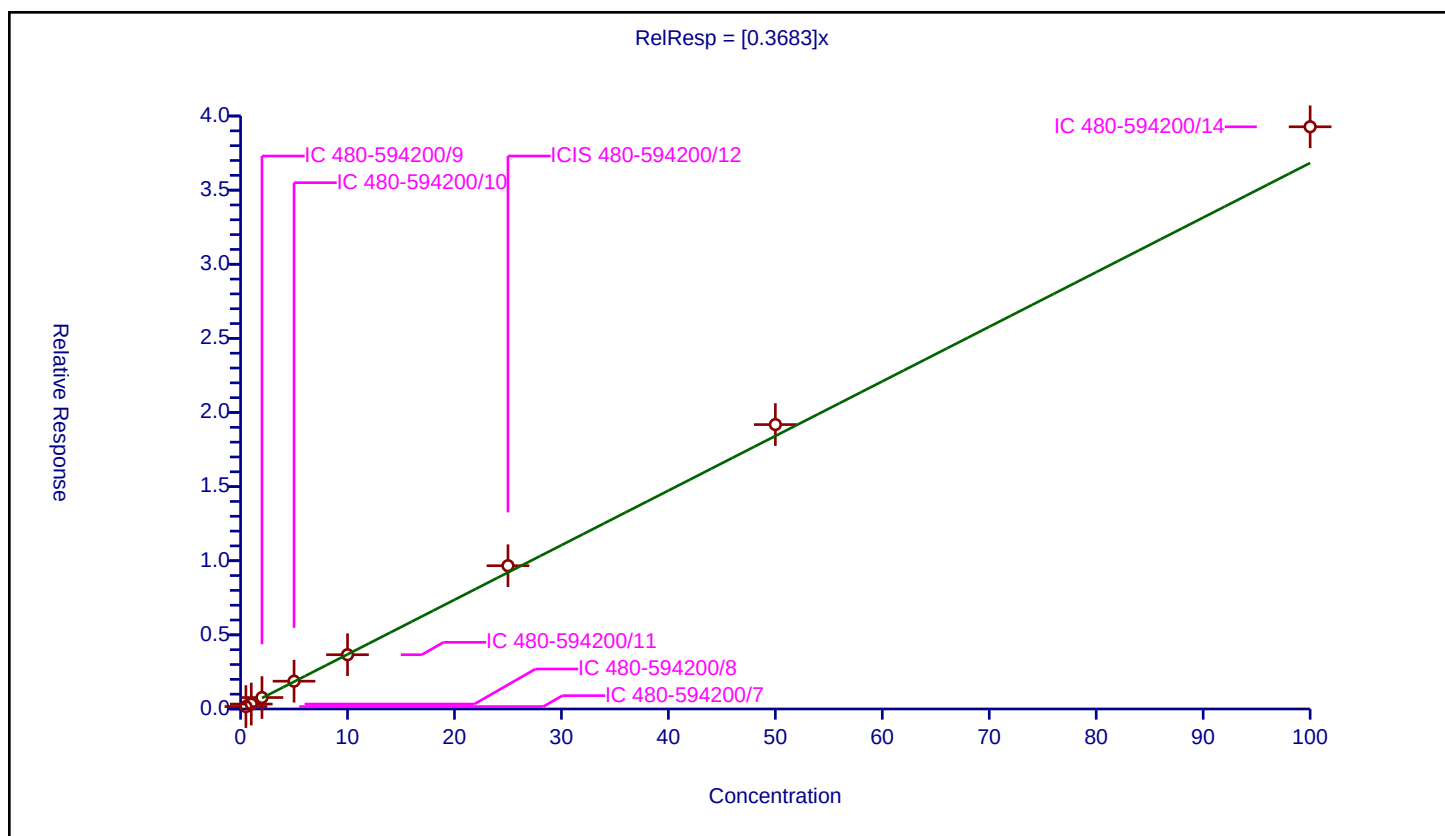
Curve Coefficients

Intercept: 0
Slope: 0.3683

Error Coefficients

Standard Error: 413000
Relative Standard Error: 7.1
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.162391	25.0	608561.0	0.324783	Y
2	IC 480-594200/8	1.0	0.331569	25.0	551770.0	0.331569	Y
3	IC 480-594200/9	2.0	0.772092	25.0	534522.0	0.386046	Y
4	IC 480-594200/10	5.0	1.875121	25.0	596868.0	0.375024	Y
5	IC 480-594200/11	10.0	3.662179	25.0	601493.0	0.366218	Y
6	ICIS 480-594200/12	25.0	9.663844	25.0	561213.0	0.386554	Y
7	IC 480-594200/13	50.0	19.185707	25.0	629767.0	0.383714	Y
8	IC 480-594200/14	100.0	39.273689	25.0	604404.0	0.392737	Y



Calibration

/ 1,3-Dichloropropane

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

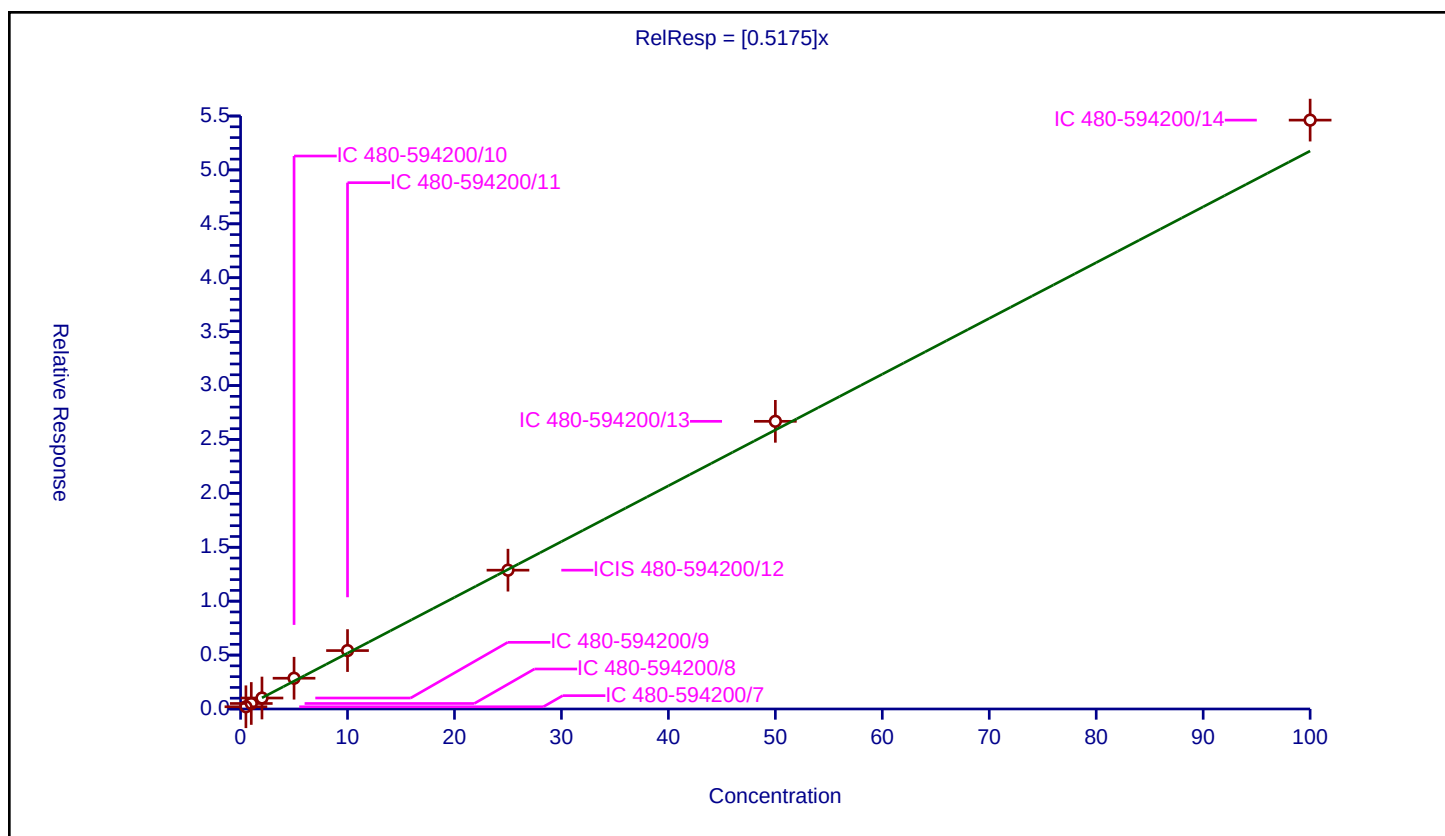
Curve Coefficients

Intercept: 0
 Slope: 0.5175

Error Coefficients

Standard Error: 573000
 Relative Standard Error: 9.1
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.206512	25.0	608561.0	0.413024	Y
2	IC 480-594200/8	1.0	0.511536	25.0	551770.0	0.511536	Y
3	IC 480-594200/9	2.0	1.017498	25.0	534522.0	0.508749	Y
4	IC 480-594200/10	5.0	2.852348	25.0	596868.0	0.57047	Y
5	IC 480-594200/11	10.0	5.417021	25.0	601493.0	0.541702	Y
6	ICIS 480-594200/12	25.0	12.87635	25.0	561213.0	0.515054	Y
7	IC 480-594200/13	50.0	26.682051	25.0	629767.0	0.533641	Y
8	IC 480-594200/14	100.0	54.618144	25.0	604404.0	0.546181	Y



Calibration

/ 2-Hexanone

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

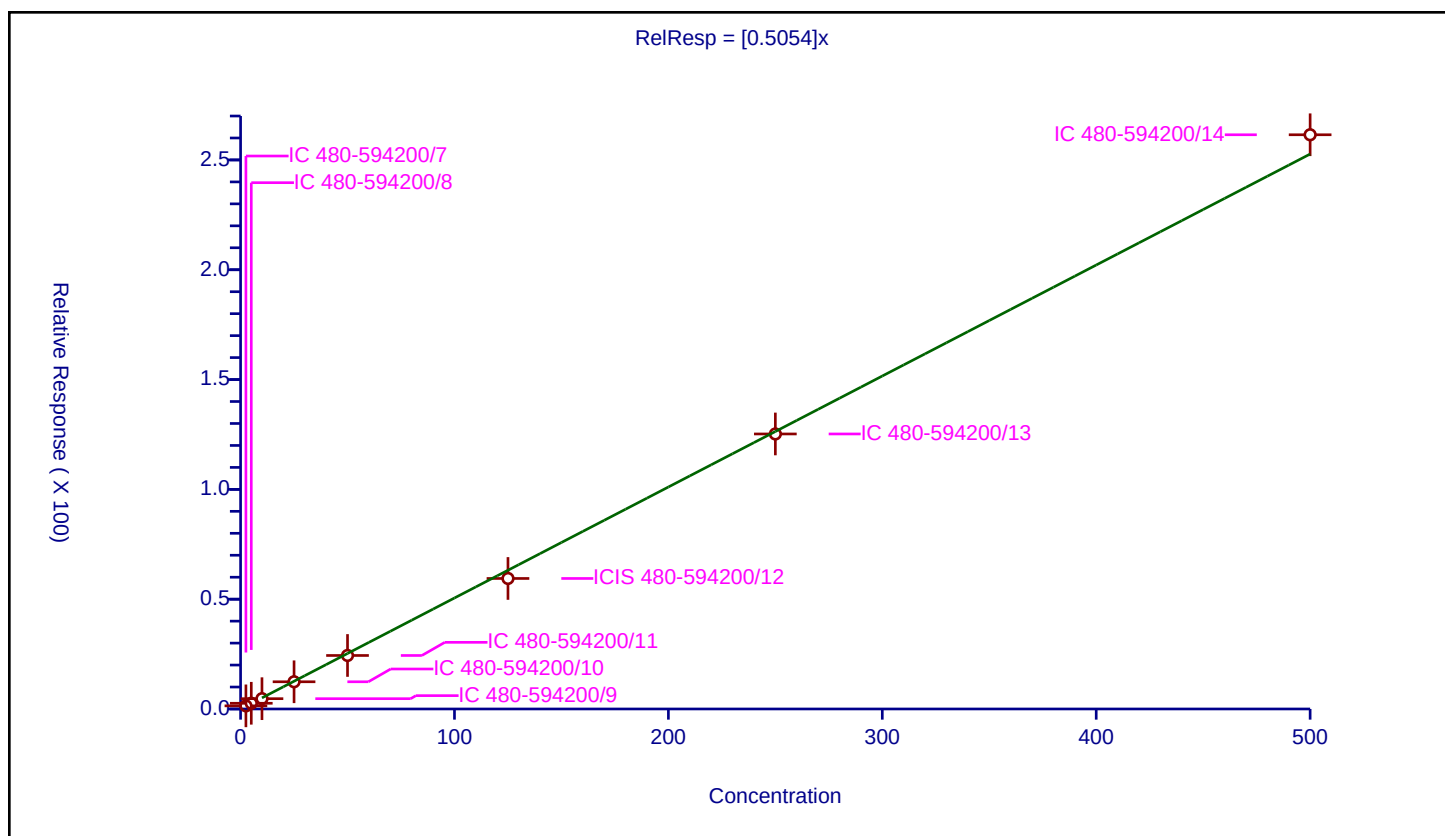
Curve Coefficients

Intercept: 0
Slope: 0.5054

Error Coefficients

Standard Error: 2730000
Relative Standard Error: 6.4
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	2.5	1.427219	25.0	608561.0	0.570888	Y
2	IC 480-594200/8	5.0	2.599271	25.0	551770.0	0.519854	Y
3	IC 480-594200/9	10.0	4.698731	25.0	534522.0	0.469873	Y
4	IC 480-594200/10	25.0	12.392229	25.0	596868.0	0.495689	Y
5	IC 480-594200/11	50.0	24.364207	25.0	601493.0	0.487284	Y
6	ICIS 480-594200/12	125.0	59.432248	25.0	561213.0	0.475458	Y
7	IC 480-594200/13	250.0	125.226393	25.0	629767.0	0.500906	Y
8	IC 480-594200/14	500.0	261.459471	25.0	604404.0	0.522919	Y



Calibration

/ Chlorodibromomethane

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

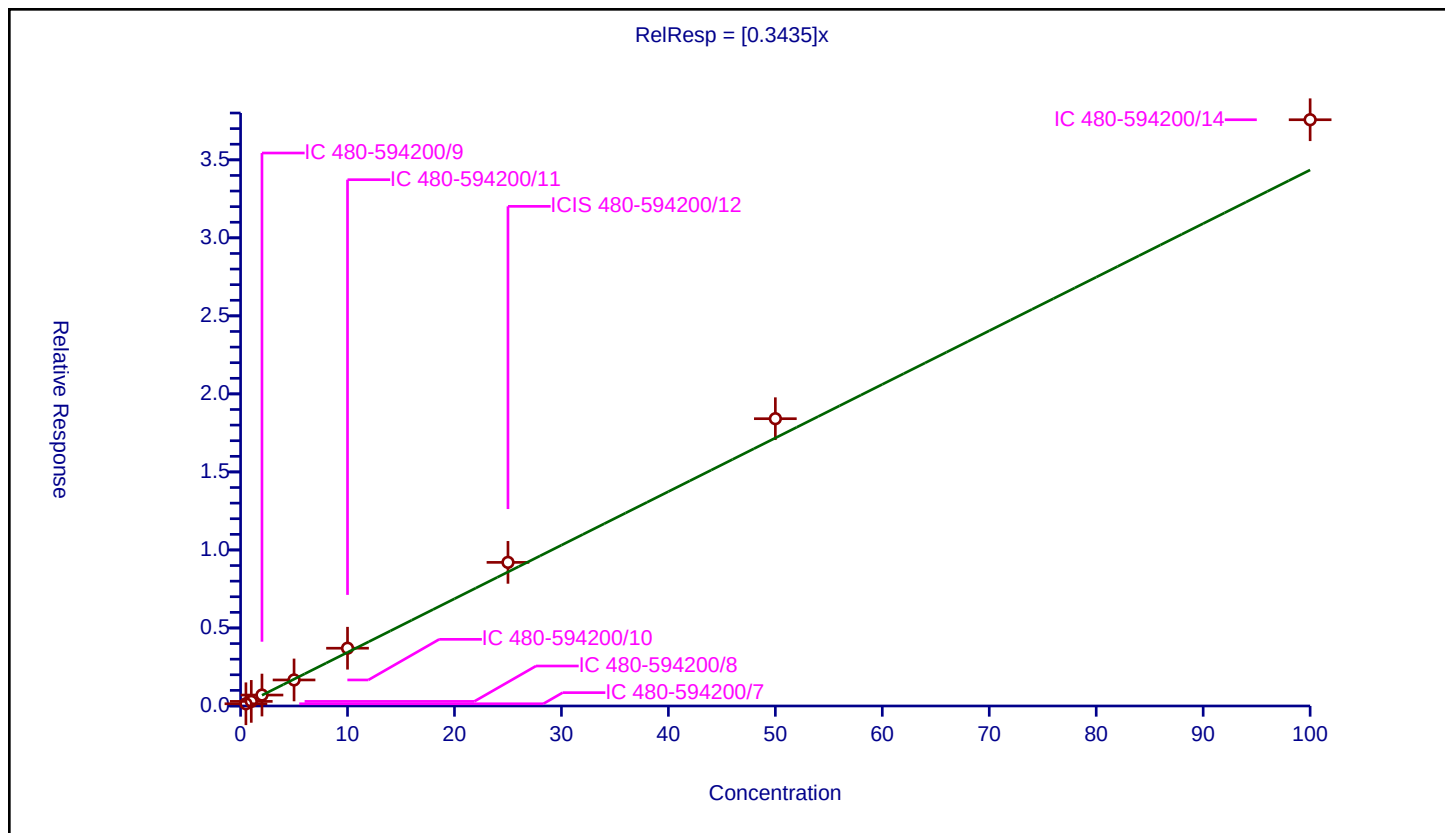
Curve Coefficients

Intercept: 0
 Slope: 0.3435

Error Coefficients

Standard Error: 395000
 Relative Standard Error: 10.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.142796	25.0	608561.0	0.285592	Y
2	IC 480-594200/8	1.0	0.29505	25.0	551770.0	0.29505	Y
3	IC 480-594200/9	2.0	0.70231	25.0	534522.0	0.351155	Y
4	IC 480-594200/10	5.0	1.669423	25.0	596868.0	0.333885	Y
5	IC 480-594200/11	10.0	3.702745	25.0	601493.0	0.370274	Y
6	ICIS 480-594200/12	25.0	9.203458	25.0	561213.0	0.368138	Y
7	IC 480-594200/13	50.0	18.411373	25.0	629767.0	0.368227	Y
8	IC 480-594200/14	100.0	37.568952	25.0	604404.0	0.37569	Y



Calibration

/ Ethylene Dibromide

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

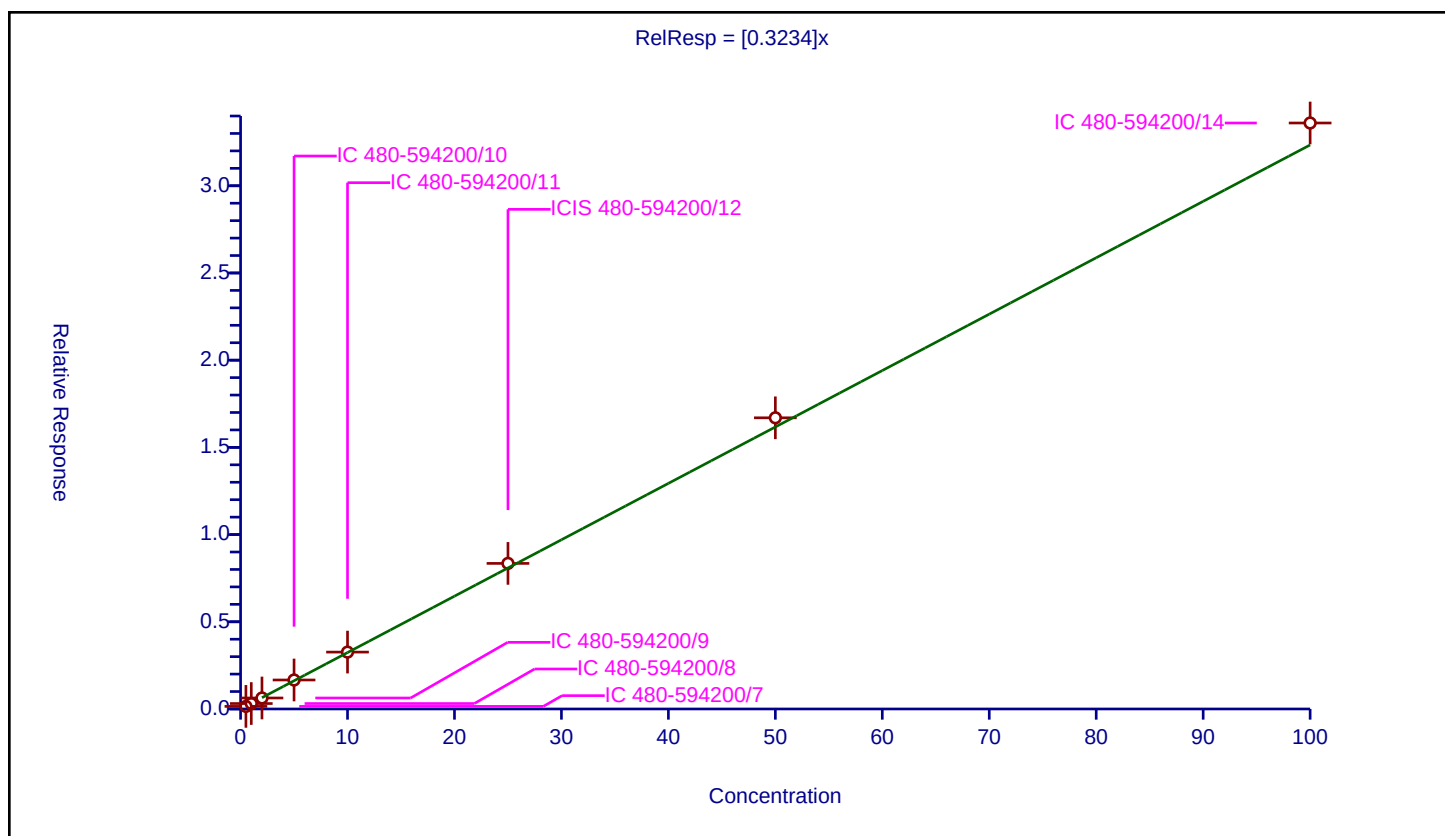
Curve Coefficients

Intercept: 0
 Slope: 0.3234

Error Coefficients

Standard Error: 355000
 Relative Standard Error: 4.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.148465	25.0	608561.0	0.29693	Y
2	IC 480-594200/8	1.0	0.312268	25.0	551770.0	0.312268	Y
3	IC 480-594200/9	2.0	0.630891	25.0	534522.0	0.315445	Y
4	IC 480-594200/10	5.0	1.663433	25.0	596868.0	0.332687	Y
5	IC 480-594200/11	10.0	3.261509	25.0	601493.0	0.326151	Y
6	ICIS 480-594200/12	25.0	8.347855	25.0	561213.0	0.333914	Y
7	IC 480-594200/13	50.0	16.69685	25.0	629767.0	0.333937	Y
8	IC 480-594200/14	100.0	33.599091	25.0	604404.0	0.335991	Y



Calibration

/ Chlorobenzene

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

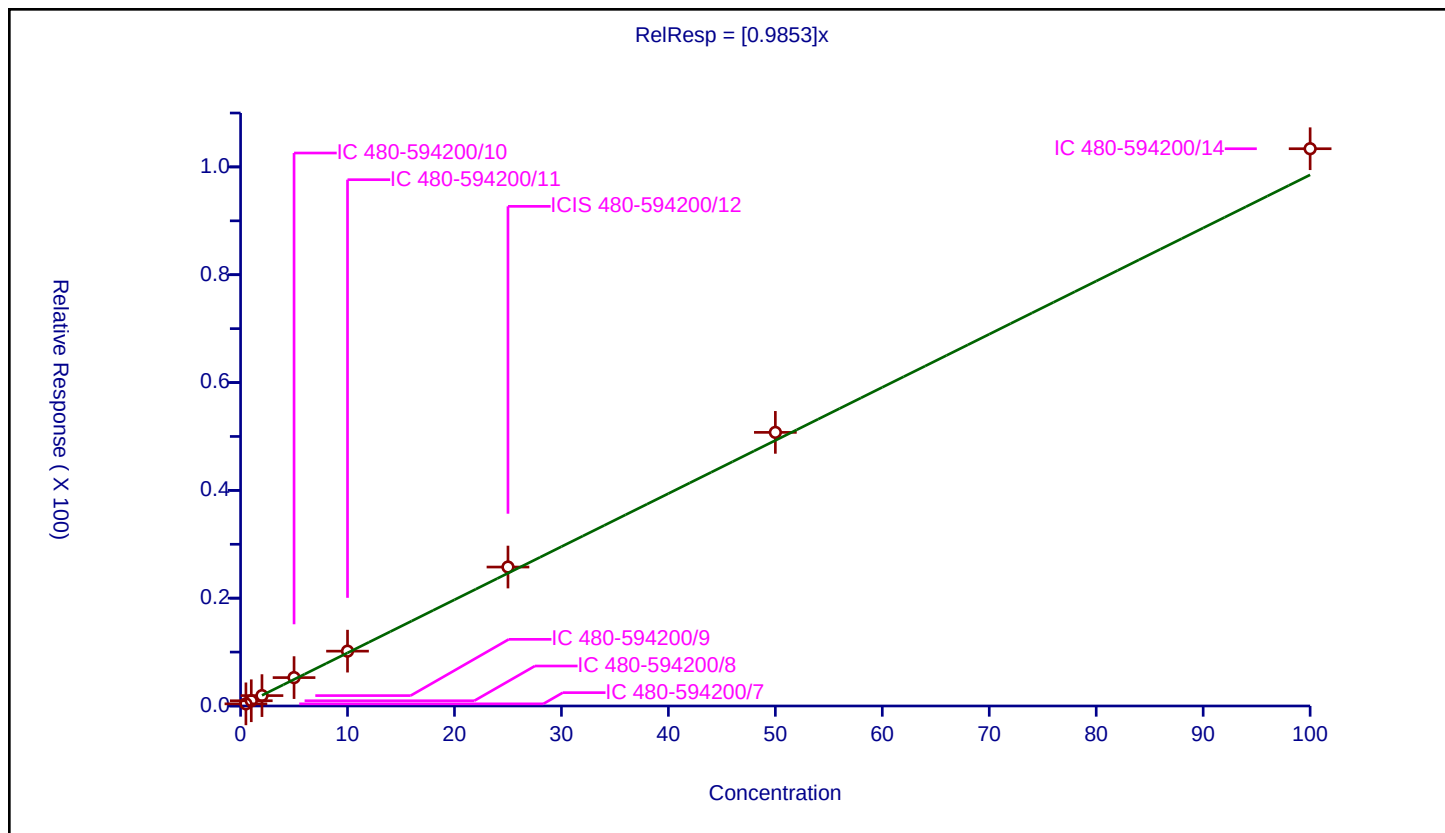
Curve Coefficients

Intercept: 0
 Slope: 0.9853

Error Coefficients

Standard Error: 1090000
 Relative Standard Error: 8.4
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.398152	25.0	608561.0	0.796305	Y
2	IC 480-594200/8	1.0	0.972643	25.0	551770.0	0.972643	Y
3	IC 480-594200/9	2.0	1.924617	25.0	534522.0	0.962308	Y
4	IC 480-594200/10	5.0	5.267077	25.0	596868.0	1.053415	Y
5	IC 480-594200/11	10.0	10.175139	25.0	601493.0	1.017514	Y
6	ICIS 480-594200/12	25.0	25.775285	25.0	561213.0	1.031011	Y
7	IC 480-594200/13	50.0	50.754763	25.0	629767.0	1.015095	Y
8	IC 480-594200/14	100.0	103.377377	25.0	604404.0	1.033774	Y



Calibration

/ Ethylbenzene

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

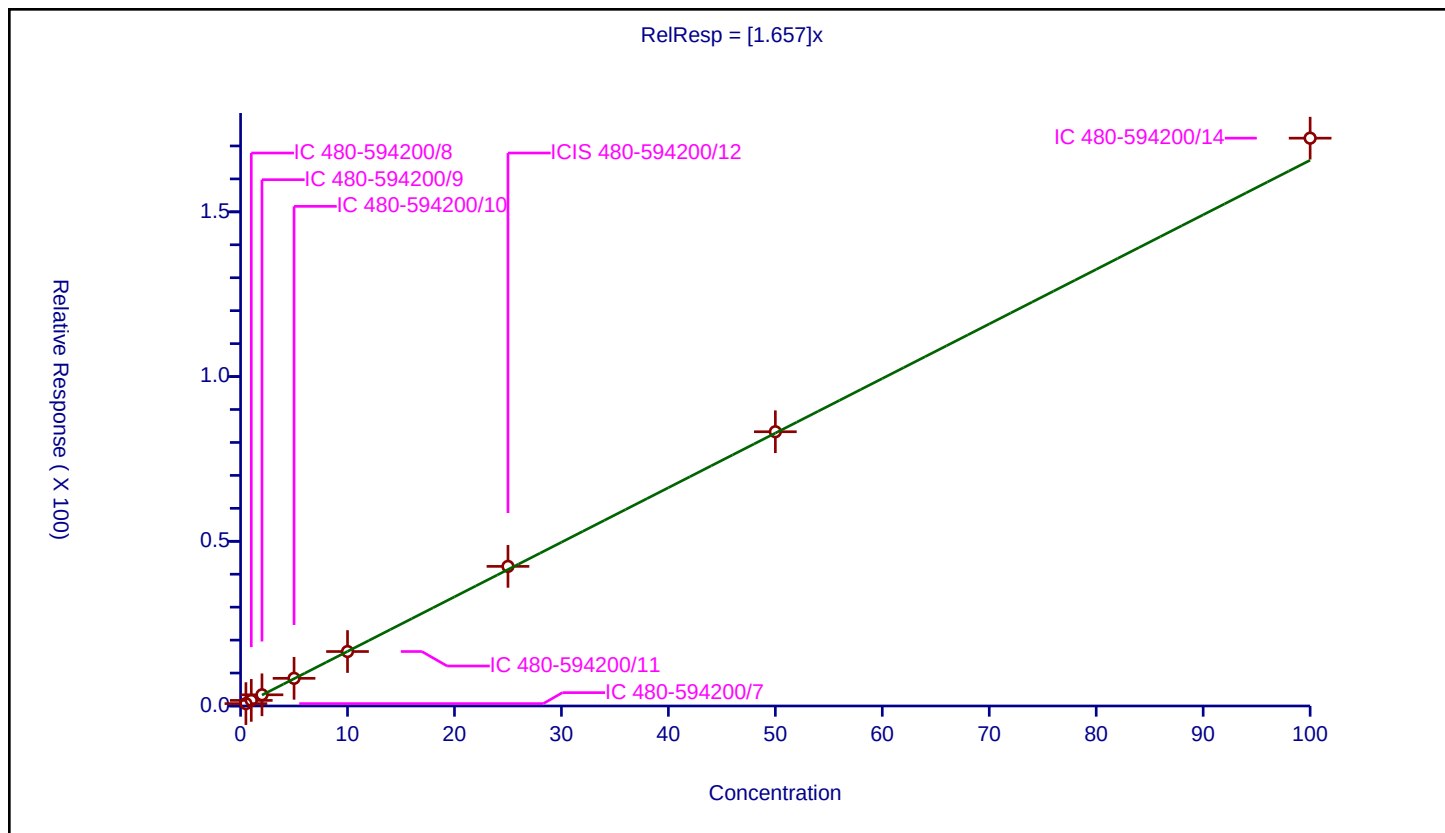
Curve Coefficients

Intercept: 0
Slope: 1.657

Error Coefficients

Standard Error: 1810000
Relative Standard Error: 5.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.723428	25.0	608561.0	1.446856	Y
2	IC 480-594200/8	1.0	1.692825	25.0	551770.0	1.692825	Y
3	IC 480-594200/9	2.0	3.395089	25.0	534522.0	1.697545	Y
4	IC 480-594200/10	5.0	8.394318	25.0	596868.0	1.678864	Y
5	IC 480-594200/11	10.0	16.535147	25.0	601493.0	1.653515	Y
6	ICIS 480-594200/12	25.0	42.379275	25.0	561213.0	1.695171	Y
7	IC 480-594200/13	50.0	83.253211	25.0	629767.0	1.665064	Y
8	IC 480-594200/14	100.0	172.362981	25.0	604404.0	1.72363	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

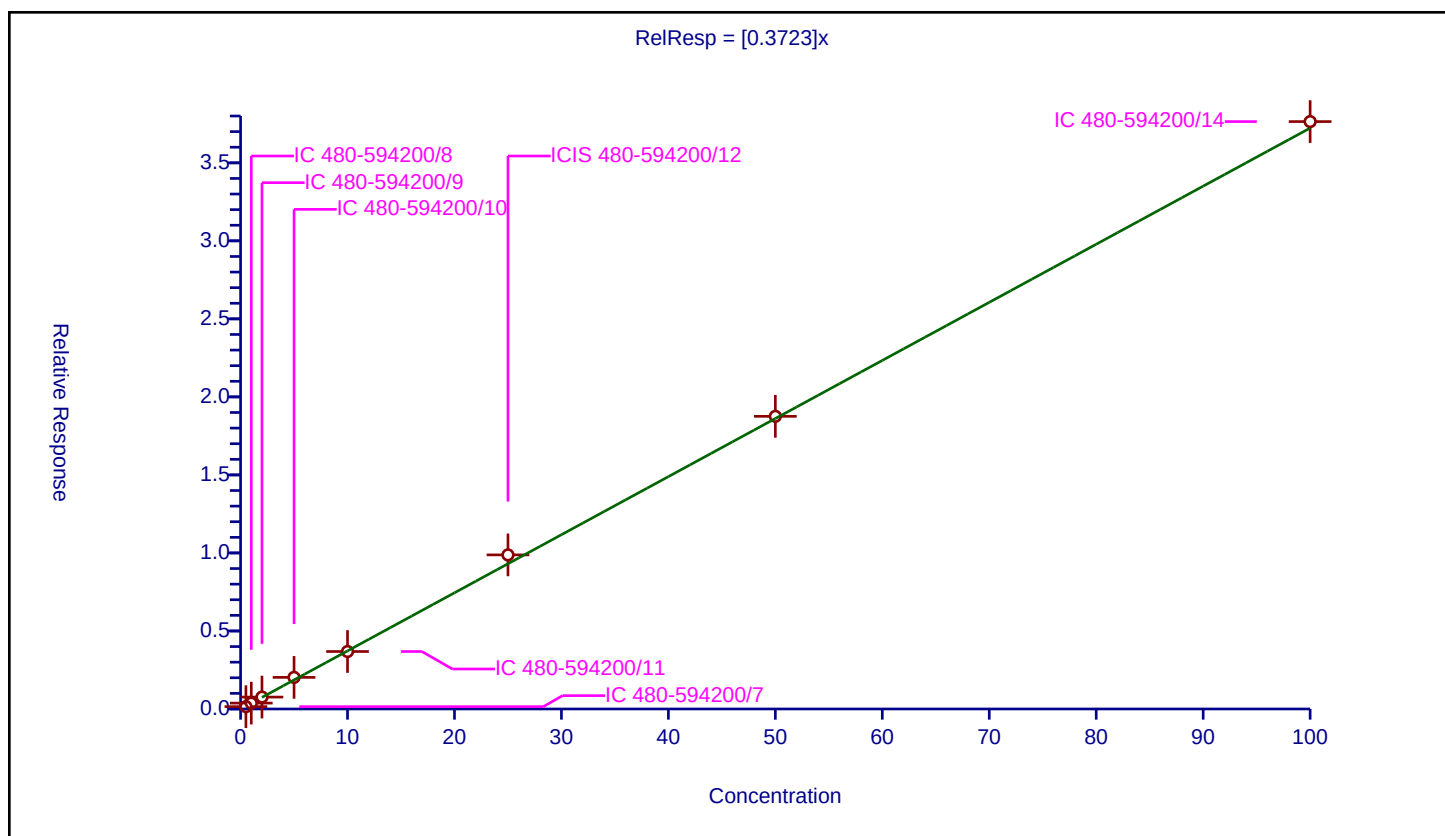
Curve Coefficients

Intercept: 0
 Slope: 0.3723

Error Coefficients

Standard Error: 398000
 Relative Standard Error: 8.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.150108	25.0	608561.0	0.300216	Y
2	IC 480-594200/8	1.0	0.37647	25.0	551770.0	0.37647	Y
3	IC 480-594200/9	2.0	0.763065	25.0	534522.0	0.381532	Y
4	IC 480-594200/10	5.0	2.025615	25.0	596868.0	0.405123	Y
5	IC 480-594200/11	10.0	3.683335	25.0	601493.0	0.368333	Y
6	ICIS 480-594200/12	25.0	9.874905	25.0	561213.0	0.394996	Y
7	IC 480-594200/13	50.0	18.754992	25.0	629767.0	0.3751	Y
8	IC 480-594200/14	100.0	37.643158	25.0	604404.0	0.376432	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

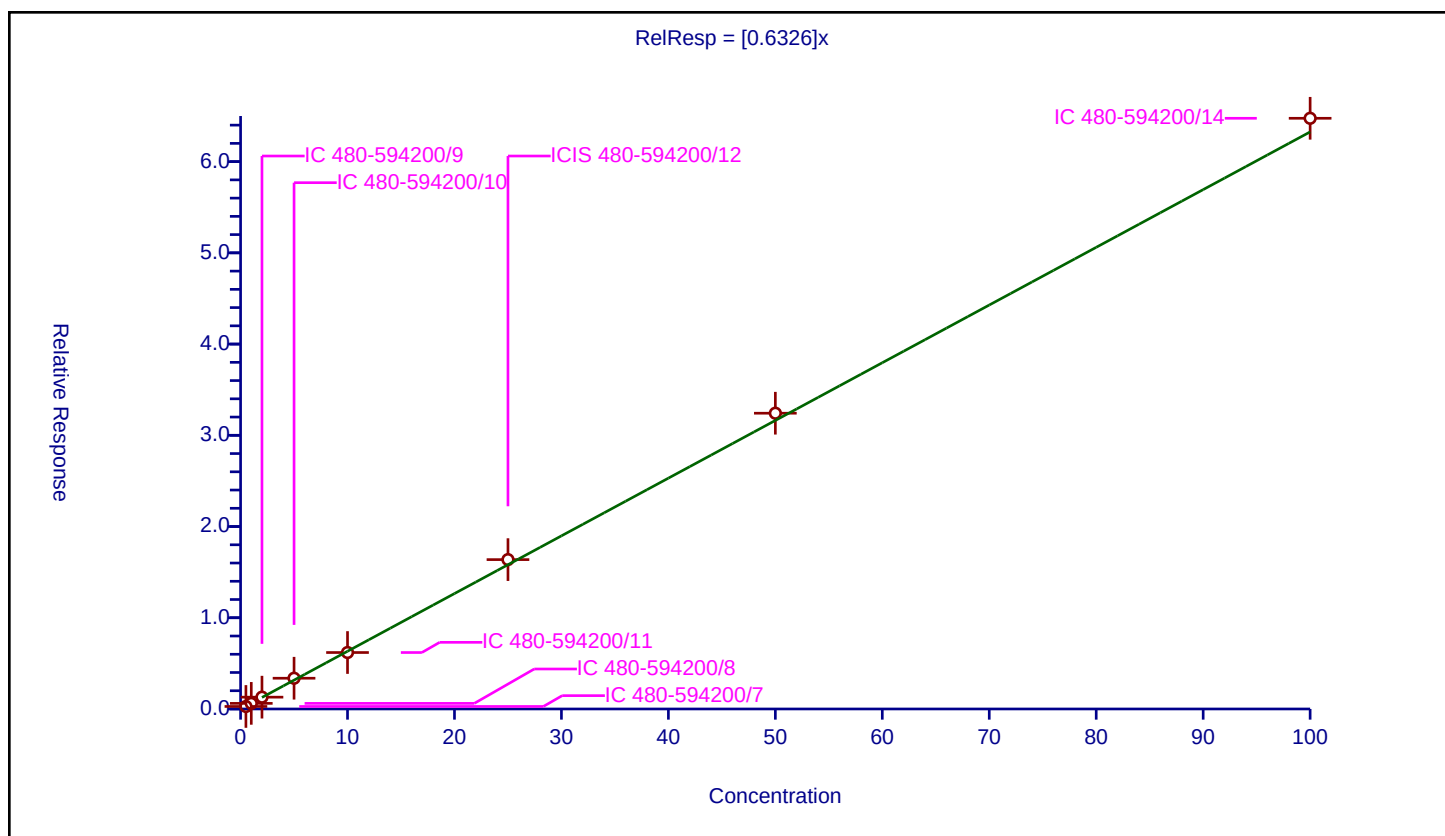
Curve Coefficients

Intercept: 0
 Slope: 0.6326

Error Coefficients

Standard Error: 685000
 Relative Standard Error: 6.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.275445	25.0	608561.0	0.55089	Y
2	IC 480-594200/8	1.0	0.616516	25.0	551770.0	0.616516	Y
3	IC 480-594200/9	2.0	1.297748	25.0	534522.0	0.648874	Y
4	IC 480-594200/10	5.0	3.371181	25.0	596868.0	0.674236	Y
5	IC 480-594200/11	10.0	6.190762	25.0	601493.0	0.619076	Y
6	ICIS 480-594200/12	25.0	16.374042	25.0	561213.0	0.654962	Y
7	IC 480-594200/13	50.0	32.422864	25.0	629767.0	0.648457	Y
8	IC 480-594200/14	100.0	64.751433	25.0	604404.0	0.647514	Y



Calibration

/ o-Xylene

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

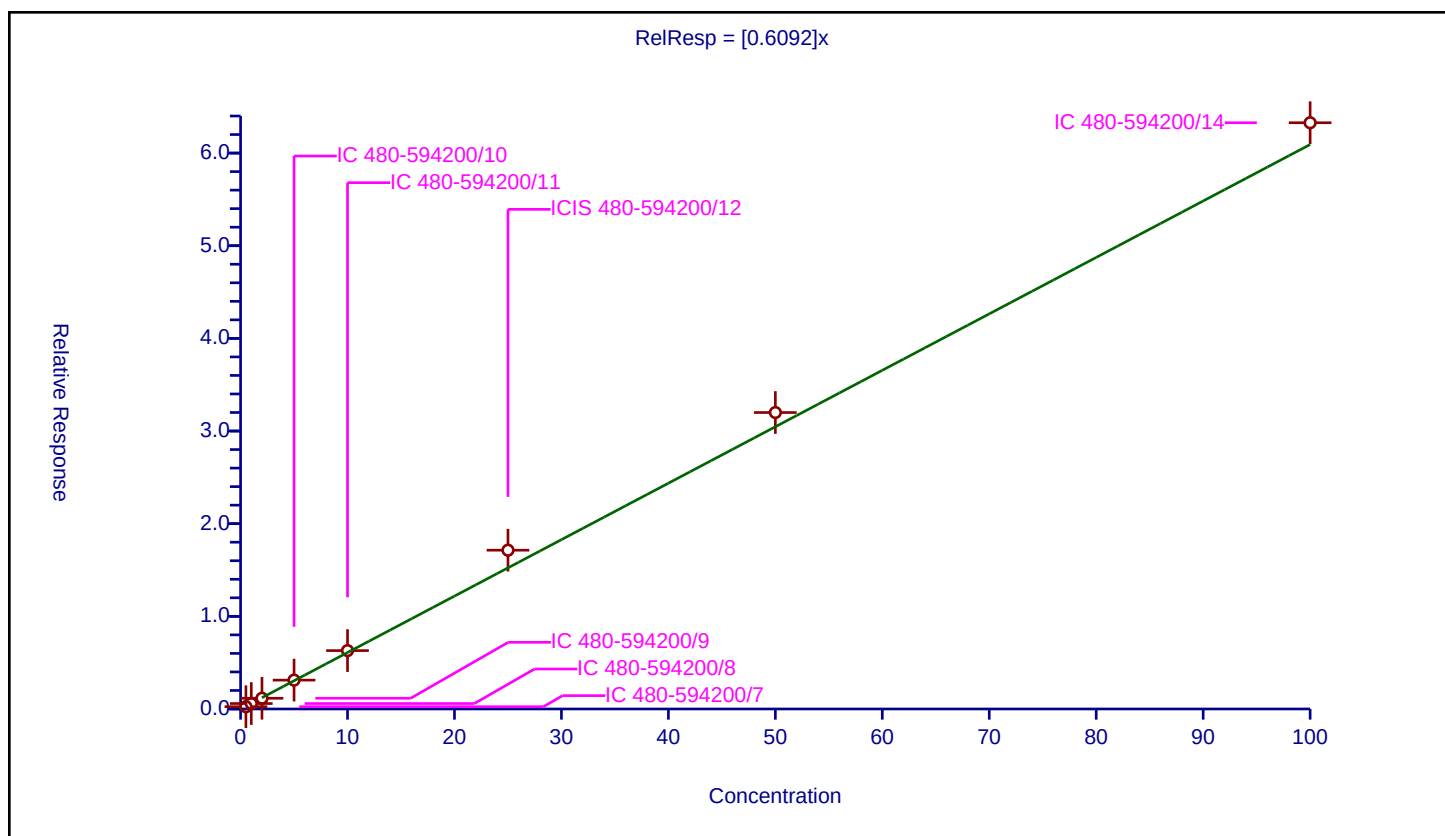
Curve Coefficients

Intercept: 0
 Slope: 0.6092

Error Coefficients

Standard Error: 673000
 Relative Standard Error: 9.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.246894	25.0	608561.0	0.493788	Y
2	IC 480-594200/8	1.0	0.58992	25.0	551770.0	0.58992	Y
3	IC 480-594200/9	2.0	1.157249	25.0	534522.0	0.578624	Y
4	IC 480-594200/10	5.0	3.114968	25.0	596868.0	0.622994	Y
5	IC 480-594200/11	10.0	6.302027	25.0	601493.0	0.630203	Y
6	ICIS 480-594200/12	25.0	17.137967	25.0	561213.0	0.685519	Y
7	IC 480-594200/13	50.0	31.998183	25.0	629767.0	0.639964	Y
8	IC 480-594200/14	100.0	63.273324	25.0	604404.0	0.632733	Y



Calibration

/ Styrene

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

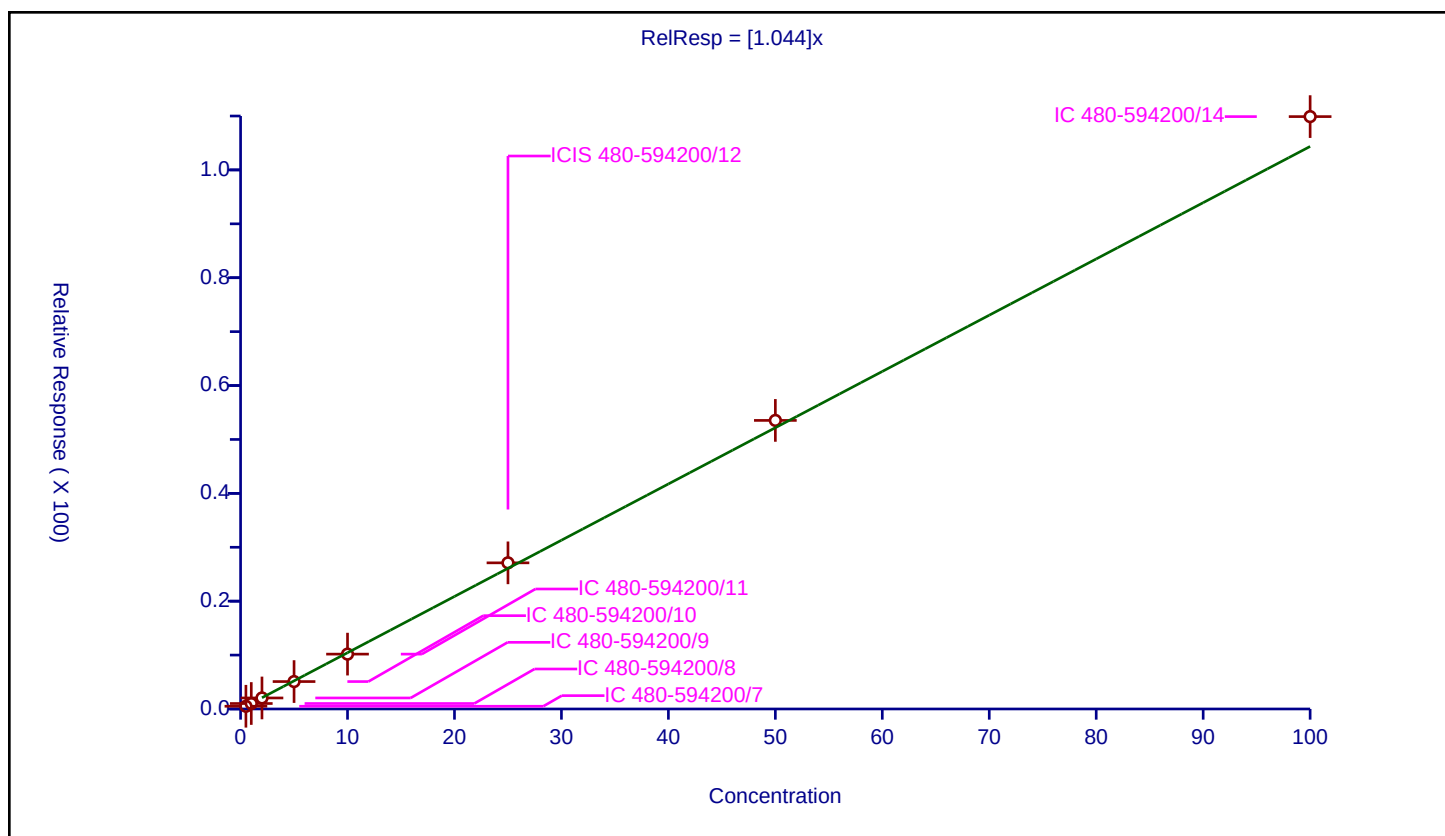
Curve Coefficients

Intercept: 0
Slope: 1.044

Error Coefficients

Standard Error: 1150000
Relative Standard Error: 3.3
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.509193	25.0	608561.0	1.018386	Y
2	IC 480-594200/8	1.0	1.016773	25.0	551770.0	1.016773	Y
3	IC 480-594200/9	2.0	2.047811	25.0	534522.0	1.023905	Y
4	IC 480-594200/10	5.0	5.089232	25.0	596868.0	1.017846	Y
5	IC 480-594200/11	10.0	10.176594	25.0	601493.0	1.017659	Y
6	ICIS 480-594200/12	25.0	27.112121	25.0	561213.0	1.084485	Y
7	IC 480-594200/13	50.0	53.531028	25.0	629767.0	1.070621	Y
8	IC 480-594200/14	100.0	109.893465	25.0	604404.0	1.098935	Y



Calibration

/ Bromoform

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

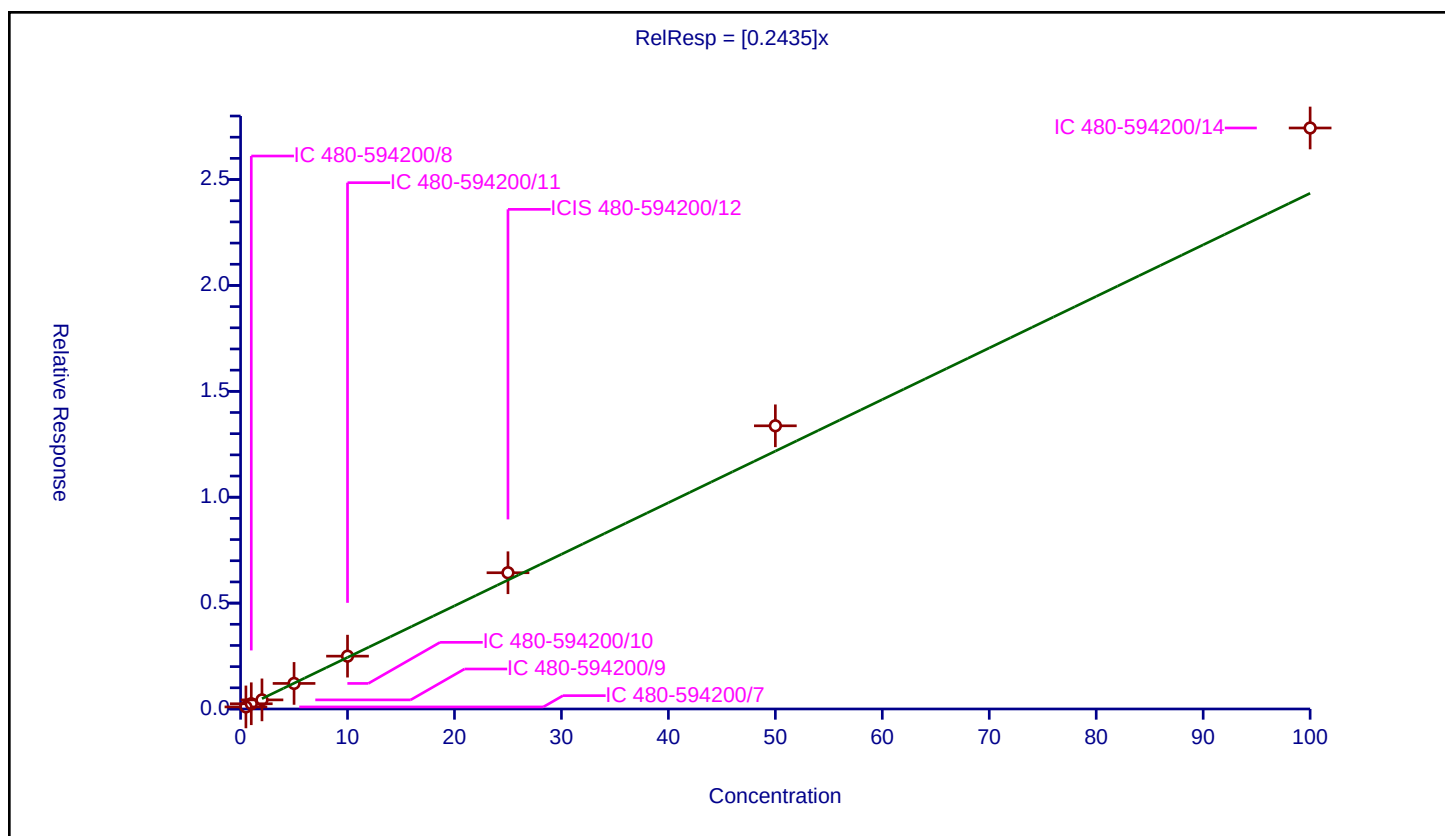
Curve Coefficients

Intercept: 0
Slope: 0.2435

Error Coefficients

Standard Error: 288000
Relative Standard Error: 10.9
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.097689	25.0	608561.0	0.195379	Y
2	IC 480-594200/8	1.0	0.247612	25.0	551770.0	0.247612	Y
3	IC 480-594200/9	2.0	0.430525	25.0	534522.0	0.215262	Y
4	IC 480-594200/10	5.0	1.206506	25.0	596868.0	0.241301	Y
5	IC 480-594200/11	10.0	2.494875	25.0	601493.0	0.249488	Y
6	ICIS 480-594200/12	25.0	6.433253	25.0	561213.0	0.25733	Y
7	IC 480-594200/13	50.0	13.372565	25.0	629767.0	0.267451	Y
8	IC 480-594200/14	100.0	27.434588	25.0	604404.0	0.274346	Y



Calibration

/ Isopropylbenzene

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

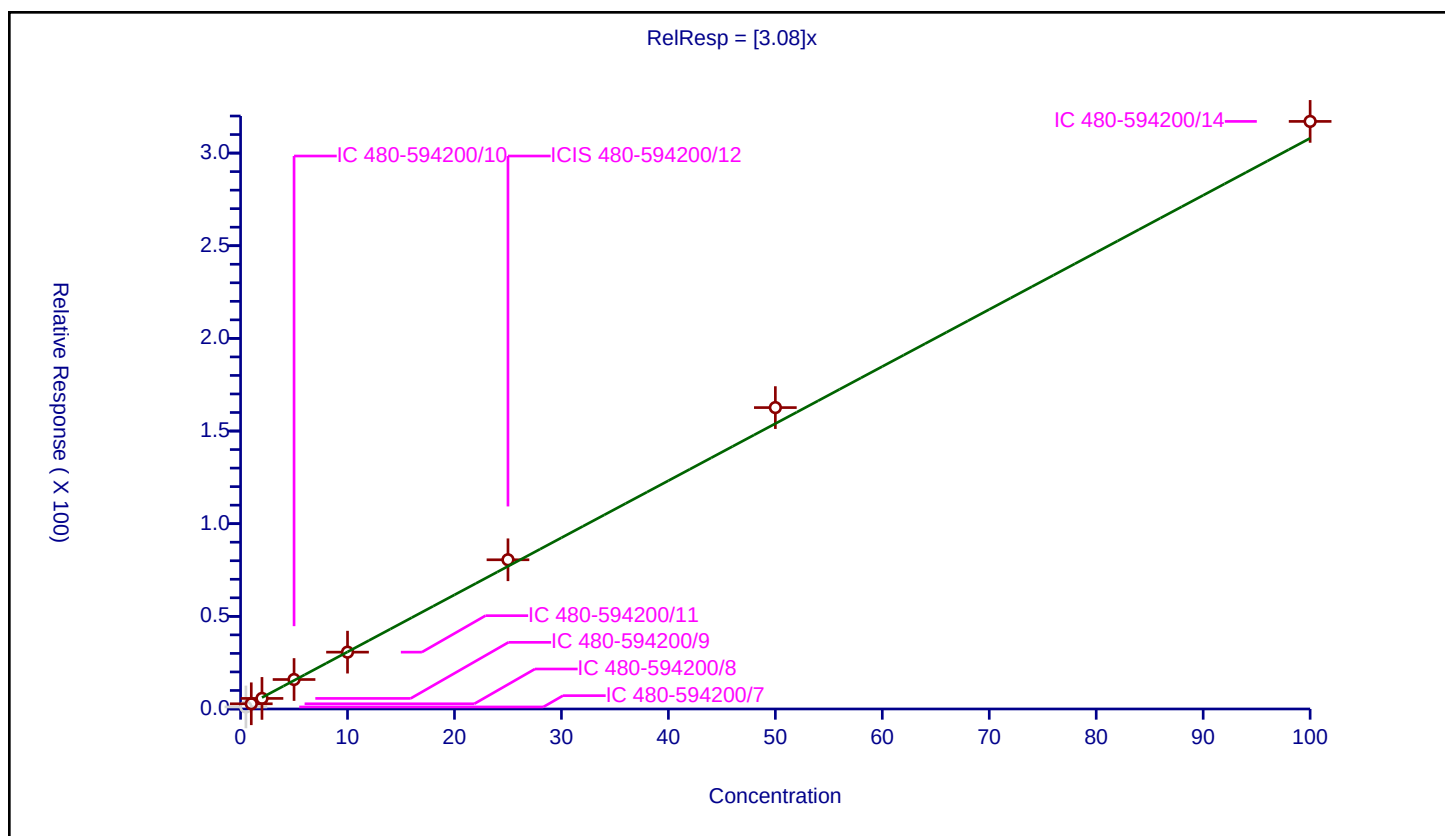
Curve Coefficients

Intercept: 0
 Slope: 3.08

Error Coefficients

Standard Error: 1970000
 Relative Standard Error: 5.8
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.10606	25.0	330927.0	2.212119	N
2	IC 480-594200/8	1.0	2.816102	25.0	311592.0	2.816102	Y
3	IC 480-594200/9	2.0	5.698798	25.0	304029.0	2.849399	Y
4	IC 480-594200/10	5.0	15.914767	25.0	323536.0	3.182953	Y
5	IC 480-594200/11	10.0	30.673771	25.0	319708.0	3.067377	Y
6	ICIS 480-594200/12	25.0	80.529727	25.0	306828.0	3.221189	Y
7	IC 480-594200/13	50.0	162.654084	25.0	330988.0	3.253082	Y
8	IC 480-594200/14	100.0	317.09248	25.0	328861.0	3.170925	Y



Calibration

/ 4-Bromofluorobenzene (Surr)

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

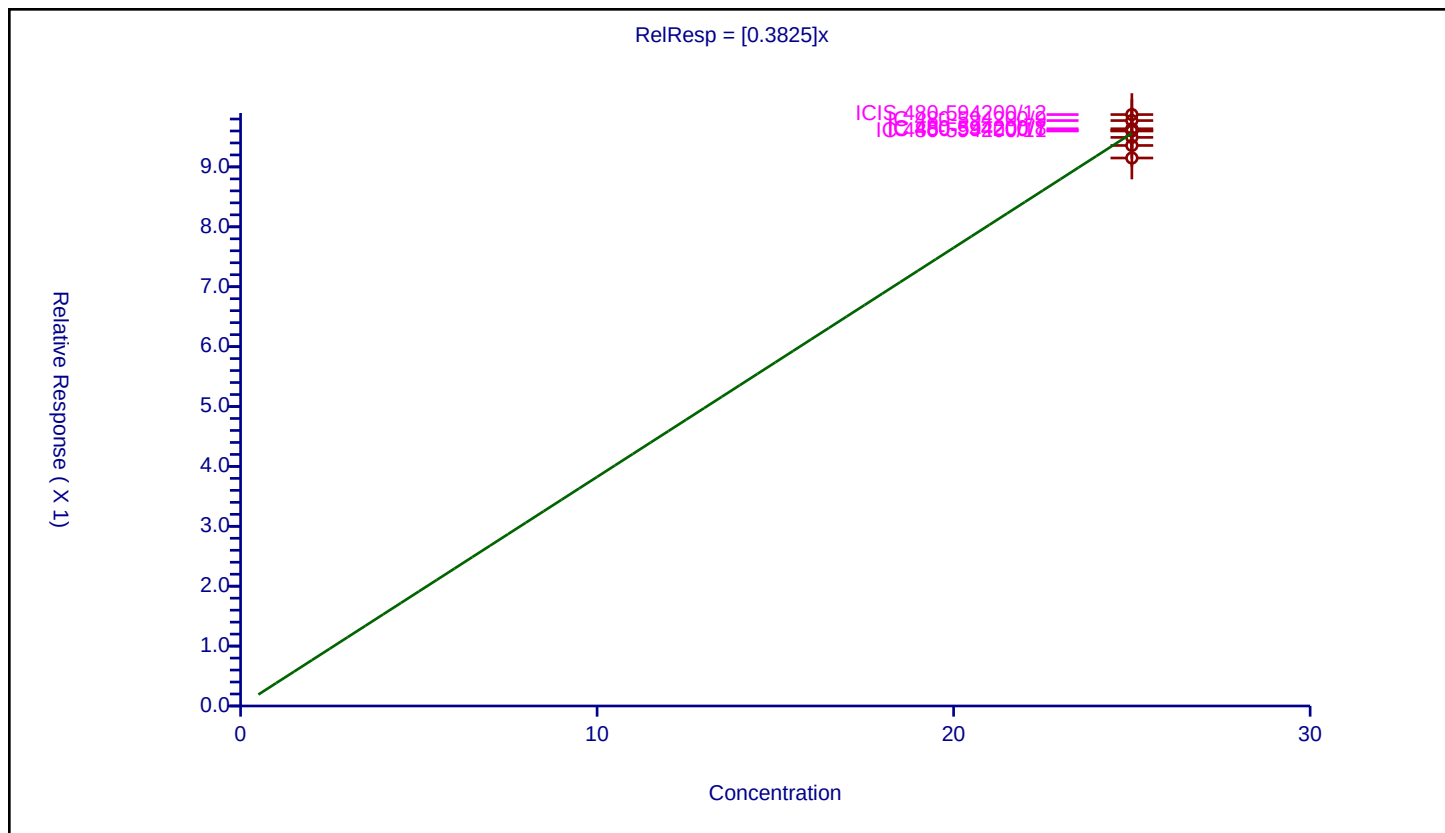
Curve Coefficients

Intercept: 0
 Slope: 0.3825

Error Coefficients

Standard Error: 240000
 Relative Standard Error: 2.4
 Correlation Coefficient: NA
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	25.0	9.609554	25.0	608561.0	0.384382	Y
2	IC 480-594200/8	25.0	9.637122	25.0	551770.0	0.385485	Y
3	IC 480-594200/9	25.0	9.773826	25.0	534522.0	0.390953	Y
4	IC 480-594200/10	25.0	9.358057	25.0	596868.0	0.374322	Y
5	IC 480-594200/11	25.0	9.60007	25.0	601493.0	0.384003	Y
6	ICIS 480-594200/12	25.0	9.874014	25.0	561213.0	0.394961	Y
7	IC 480-594200/13	25.0	9.149138	25.0	629767.0	0.365966	Y
8	IC 480-594200/14	25.0	9.493154	25.0	604404.0	0.379726	Y



Calibration

/ Bromobenzene

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

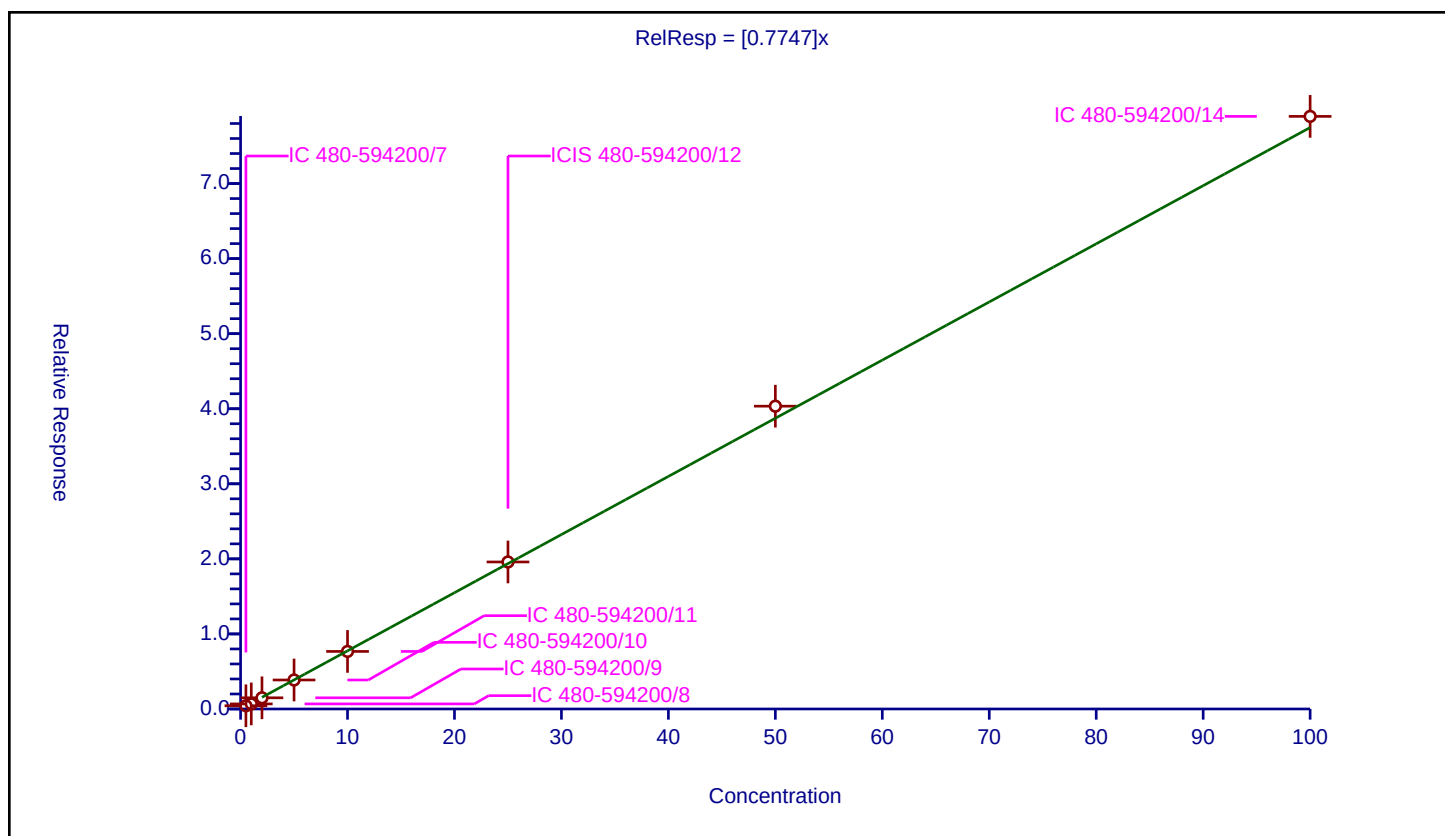
Curve Coefficients

Intercept: 0
Slope: 0.7747

Error Coefficients

Standard Error: 453000
Relative Standard Error: 6.5
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.427058	25.0	330927.0	0.854116	Y
2	IC 480-594200/8	1.0	0.678451	25.0	311592.0	0.678451	Y
3	IC 480-594200/9	2.0	1.490647	25.0	304029.0	0.745324	Y
4	IC 480-594200/10	5.0	3.863249	25.0	323536.0	0.77265	Y
5	IC 480-594200/11	10.0	7.669029	25.0	319708.0	0.766903	Y
6	ICIS 480-594200/12	25.0	19.586707	25.0	306828.0	0.783468	Y
7	IC 480-594200/13	50.0	40.342021	25.0	330988.0	0.80684	Y
8	IC 480-594200/14	100.0	78.950833	25.0	328861.0	0.789508	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

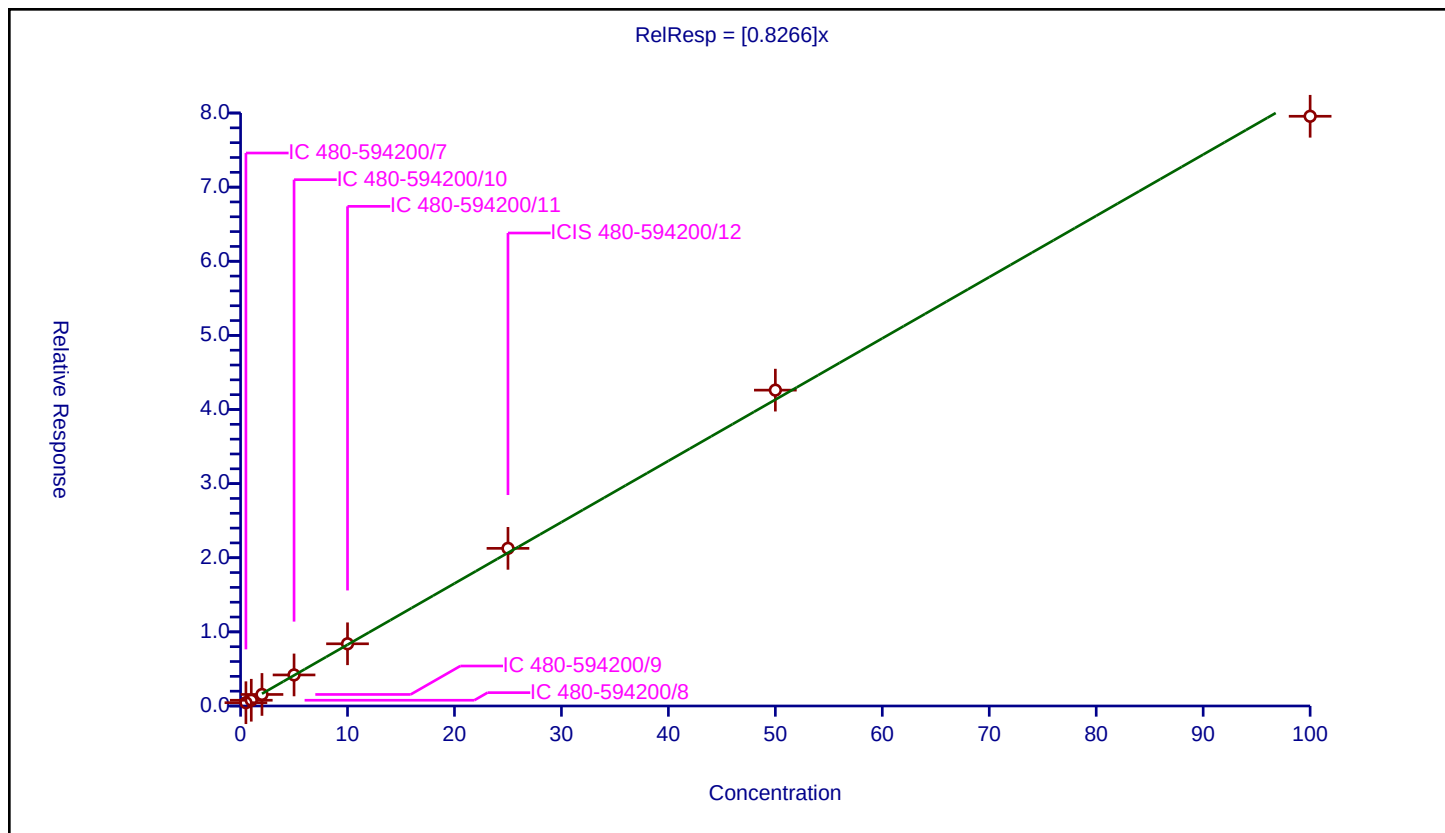
Curve Coefficients

Intercept: 0
Slope: 0.8266

Error Coefficients

Standard Error: 462000
Relative Standard Error: 4.8
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.442922	25.0	330927.0	0.885845	Y
2	IC 480-594200/8	1.0	0.773848	25.0	311592.0	0.773848	Y
3	IC 480-594200/9	2.0	1.554457	25.0	304029.0	0.777228	Y
4	IC 480-594200/10	5.0	4.189796	25.0	323536.0	0.837959	Y
5	IC 480-594200/11	10.0	8.392893	25.0	319708.0	0.839289	Y
6	ICIS 480-594200/12	25.0	21.268593	25.0	306828.0	0.850744	Y
7	IC 480-594200/13	50.0	42.612648	25.0	330988.0	0.852253	Y
8	IC 480-594200/14	100.0	79.561198	25.0	328861.0	0.795612	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

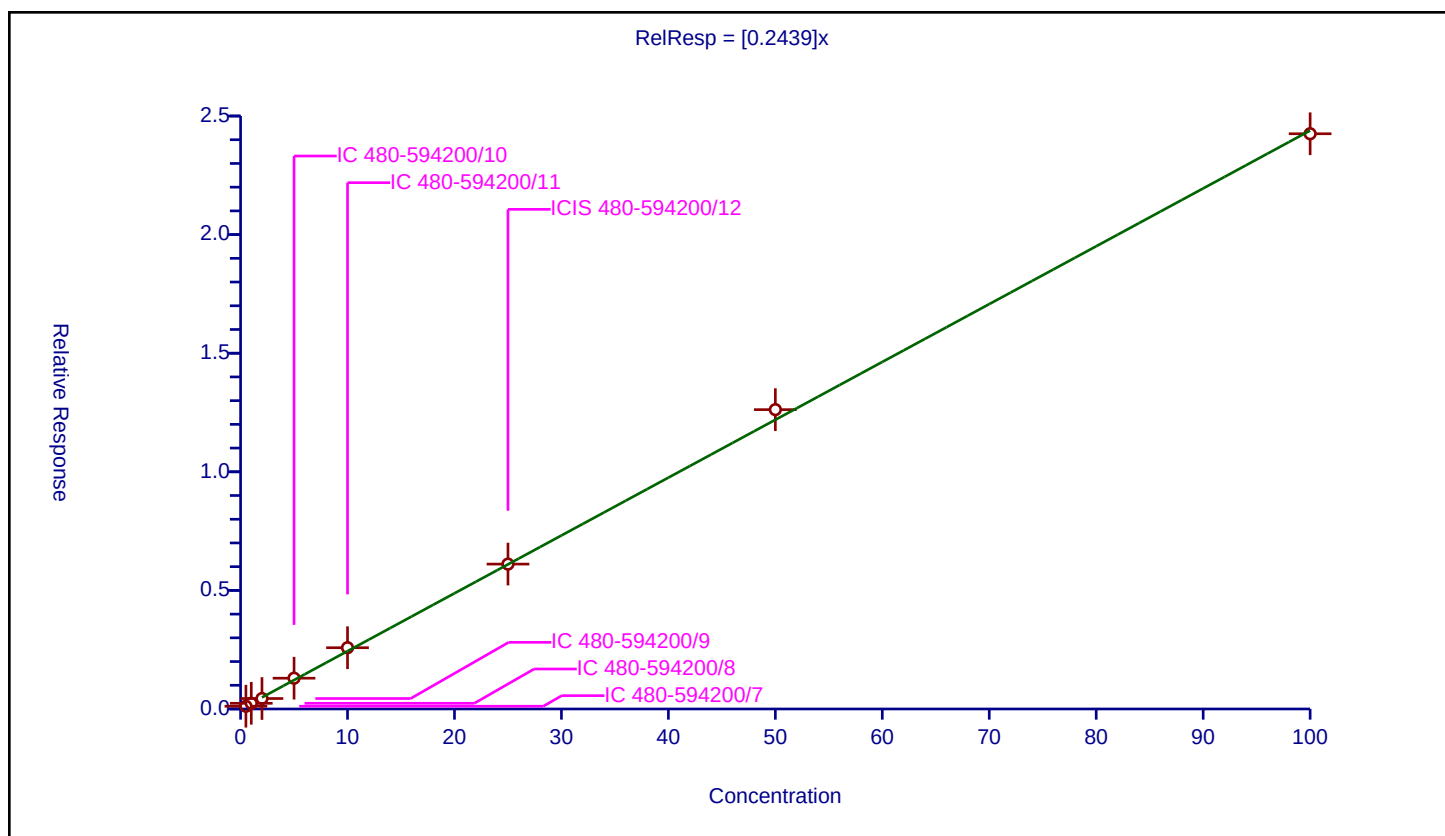
Curve Coefficients

Intercept: 0
Slope: 0.2439

Error Coefficients

Standard Error: 140000
Relative Standard Error: 5.4
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.11634	25.0	330927.0	0.23268	Y
2	IC 480-594200/8	1.0	0.240378	25.0	311592.0	0.240378	Y
3	IC 480-594200/9	2.0	0.441076	25.0	304029.0	0.220538	Y
4	IC 480-594200/10	5.0	1.29831	25.0	323536.0	0.259662	Y
5	IC 480-594200/11	10.0	2.582904	25.0	319708.0	0.25829	Y
6	ICIS 480-594200/12	25.0	6.109123	25.0	306828.0	0.244365	Y
7	IC 480-594200/13	50.0	12.621001	25.0	330988.0	0.25242	Y
8	IC 480-594200/14	100.0	24.251812	25.0	328861.0	0.242518	Y



Calibration

/ N-Propylbenzene

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

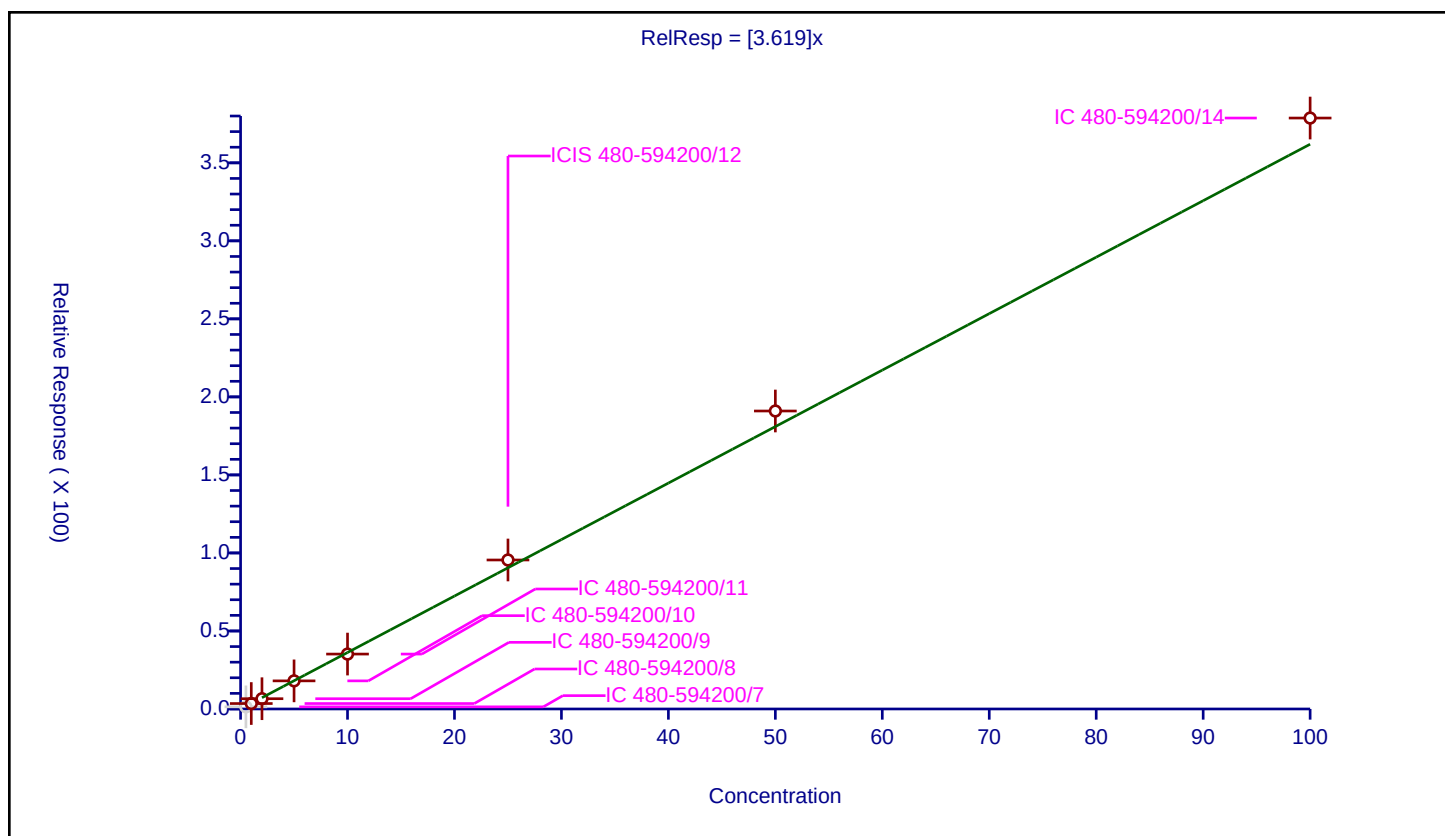
Curve Coefficients

Intercept: 0
Slope: 3.619

Error Coefficients

Standard Error: 2340000
Relative Standard Error: 5.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.368353	25.0	330927.0	2.736706	N
2	IC 480-594200/8	1.0	3.49664	25.0	311592.0	3.49664	Y
3	IC 480-594200/9	2.0	6.582349	25.0	304029.0	3.291175	Y
4	IC 480-594200/10	5.0	18.012447	25.0	323536.0	3.602489	Y
5	IC 480-594200/11	10.0	35.189532	25.0	319708.0	3.518953	Y
6	ICIS 480-594200/12	25.0	95.479959	25.0	306828.0	3.819198	Y
7	IC 480-594200/13	50.0	190.961908	25.0	330988.0	3.819238	Y
8	IC 480-594200/14	100.0	378.695634	25.0	328861.0	3.786956	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

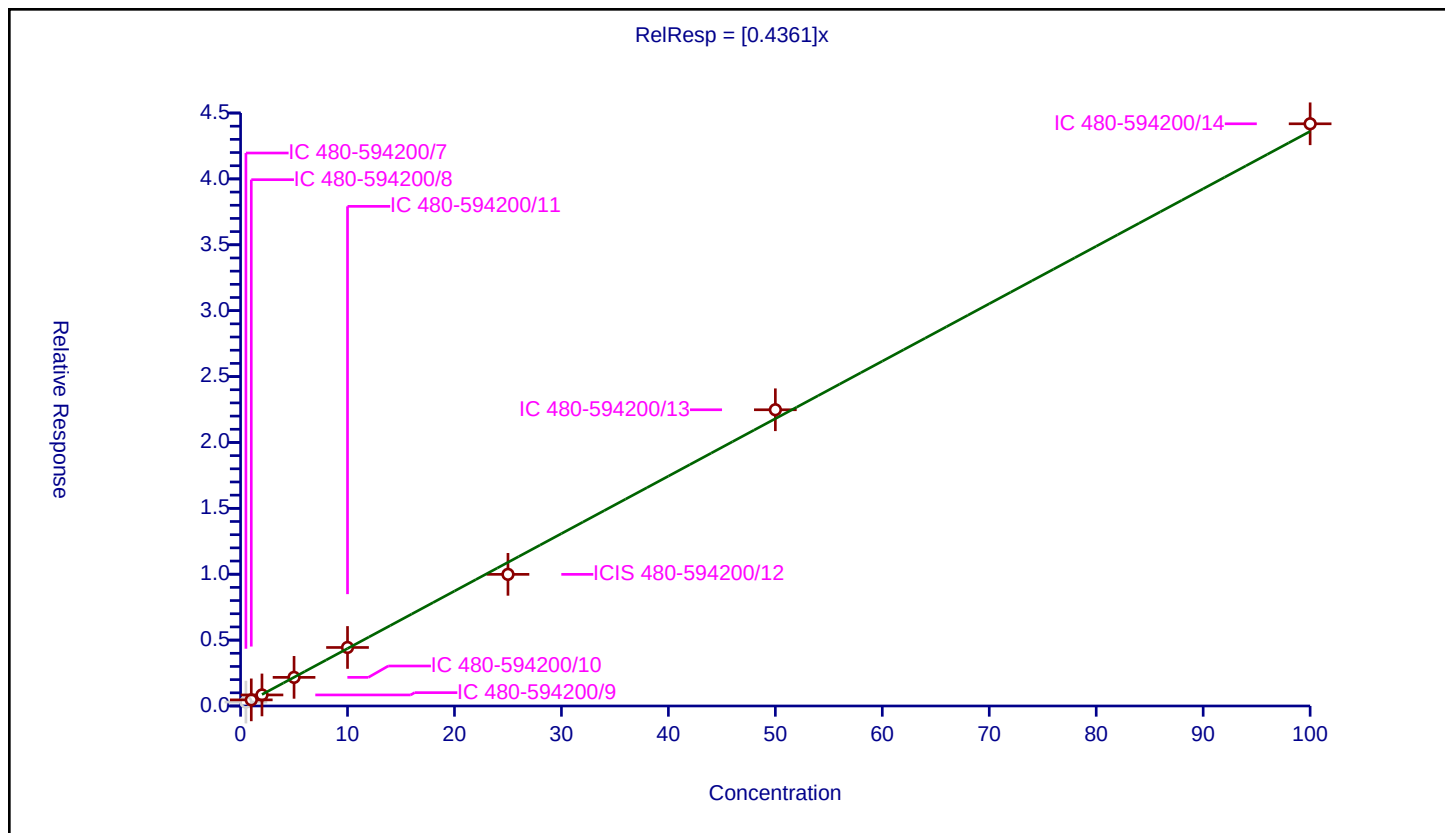
Curve Coefficients

Intercept: 0
 Slope: 0.4361

Error Coefficients

Standard Error: 272000
 Relative Standard Error: 4.8
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.29644	25.0	330927.0	0.59288	N
2	IC 480-594200/8	1.0	0.463507	25.0	311592.0	0.463507	Y
3	IC 480-594200/9	2.0	0.839394	25.0	304029.0	0.419697	Y
4	IC 480-594200/10	5.0	2.171706	25.0	323536.0	0.434341	Y
5	IC 480-594200/11	10.0	4.440771	25.0	319708.0	0.444077	Y
6	ICIS 480-594200/12	25.0	9.989228	25.0	306828.0	0.399569	Y
7	IC 480-594200/13	50.0	22.479516	25.0	330988.0	0.44959	Y
8	IC 480-594200/14	100.0	44.181584	25.0	328861.0	0.441816	Y



Calibration

/ 2-Chlorotoluene

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

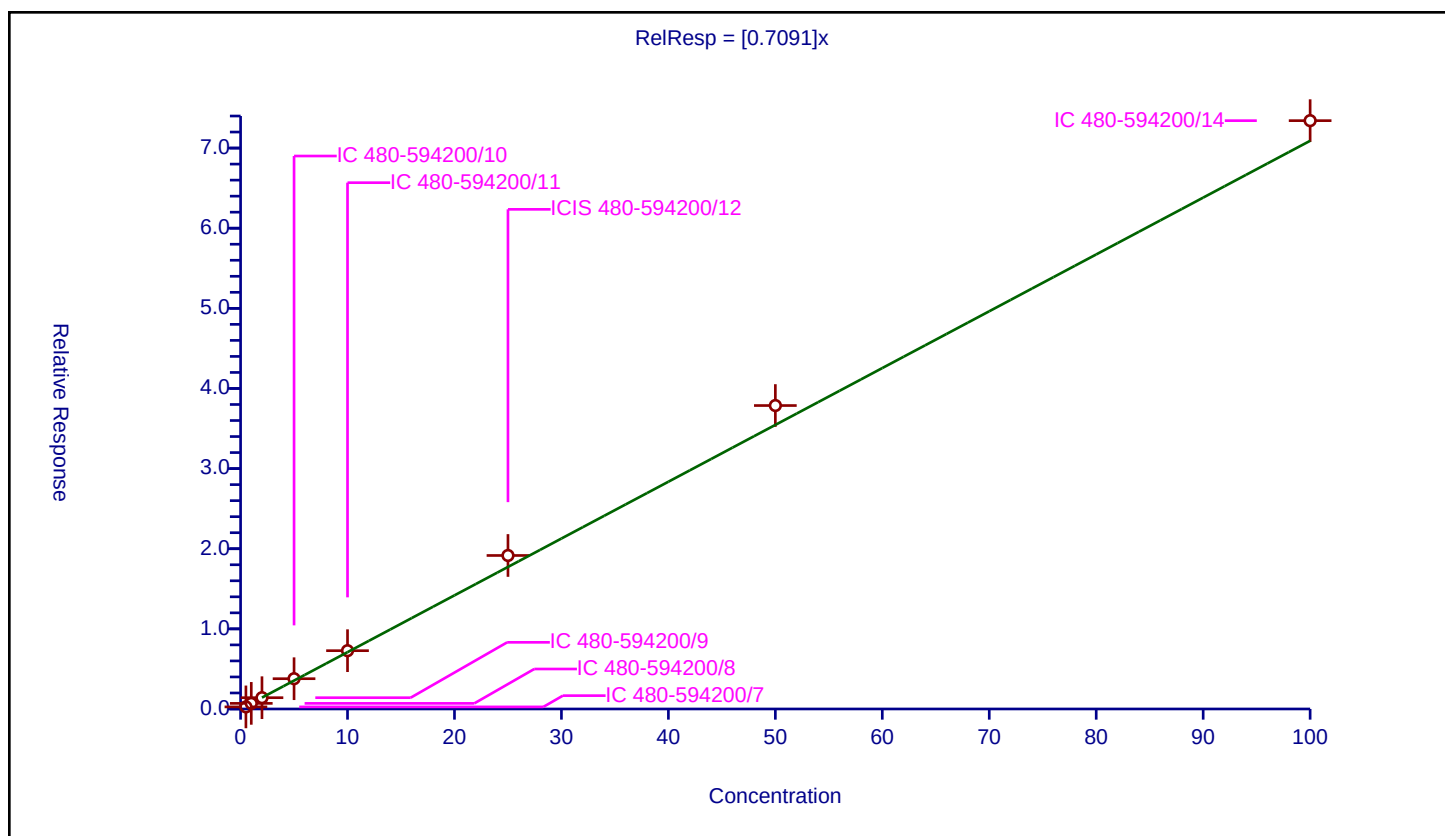
Curve Coefficients

Intercept: 0
Slope: 0.7091

Error Coefficients

Standard Error: 423000
Relative Standard Error: 11.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.261991	25.0	330927.0	0.523983	Y
2	IC 480-594200/8	1.0	0.701639	25.0	311592.0	0.701639	Y
3	IC 480-594200/9	2.0	1.410721	25.0	304029.0	0.70536	Y
4	IC 480-594200/10	5.0	3.780028	25.0	323536.0	0.756006	Y
5	IC 480-594200/11	10.0	7.276405	25.0	319708.0	0.727641	Y
6	ICIS 480-594200/12	25.0	19.156172	25.0	306828.0	0.766247	Y
7	IC 480-594200/13	50.0	37.87018	25.0	330988.0	0.757404	Y
8	IC 480-594200/14	100.0	73.420533	25.0	328861.0	0.734205	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

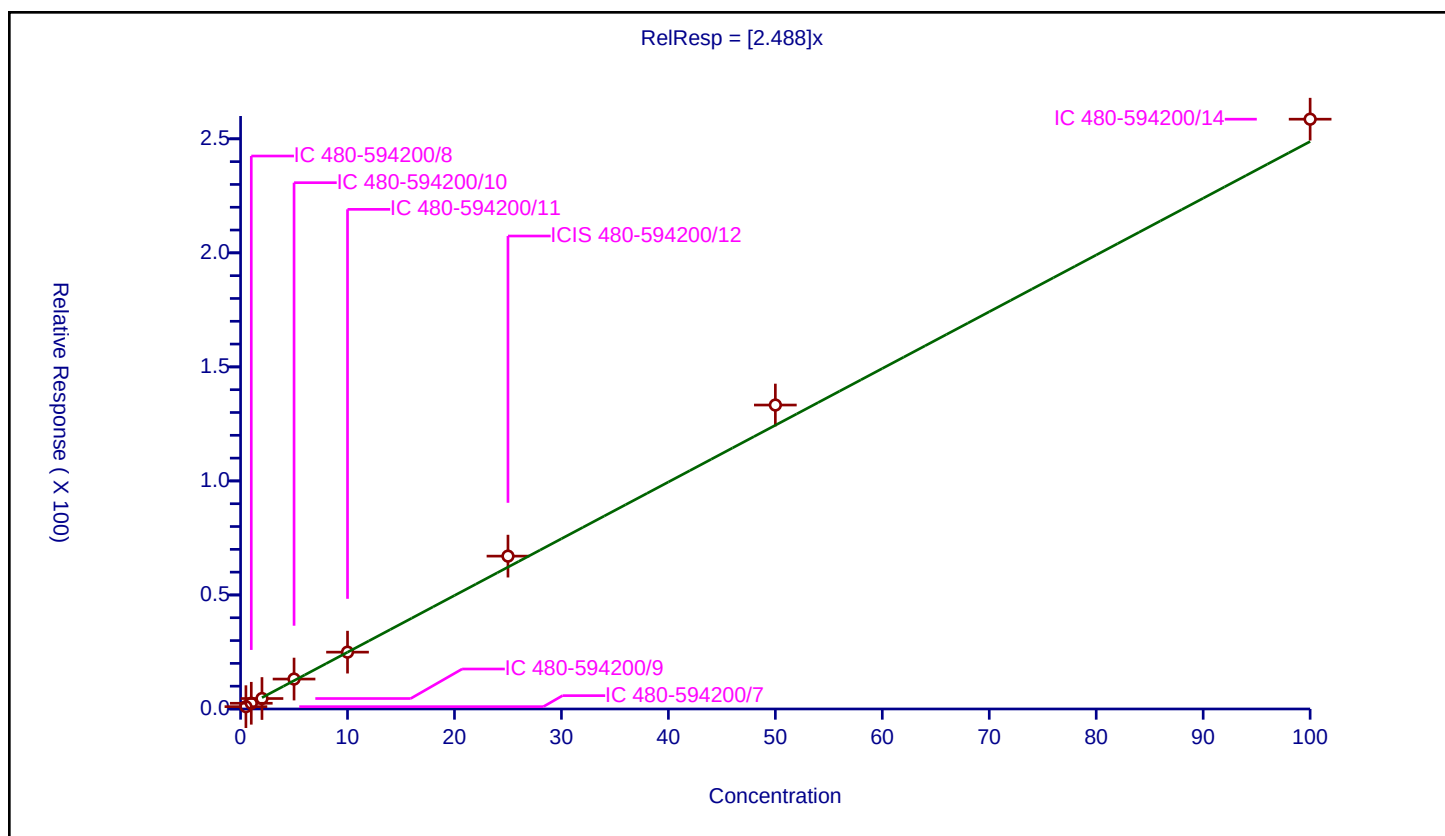
Curve Coefficients

Intercept: 0
Slope: 2.488

Error Coefficients

Standard Error: 1490000
Relative Standard Error: 8.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.023035	25.0	330927.0	2.046071	Y
2	IC 480-594200/8	1.0	2.513142	25.0	311592.0	2.513142	Y
3	IC 480-594200/9	2.0	4.594134	25.0	304029.0	2.297067	Y
4	IC 480-594200/10	5.0	13.119792	25.0	323536.0	2.623958	Y
5	IC 480-594200/11	10.0	24.926183	25.0	319708.0	2.492618	Y
6	ICIS 480-594200/12	25.0	67.030796	25.0	306828.0	2.681232	Y
7	IC 480-594200/13	50.0	133.275678	25.0	330988.0	2.665514	Y
8	IC 480-594200/14	100.0	258.613898	25.0	328861.0	2.586139	Y



Calibration

/ 4-Chlorotoluene

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

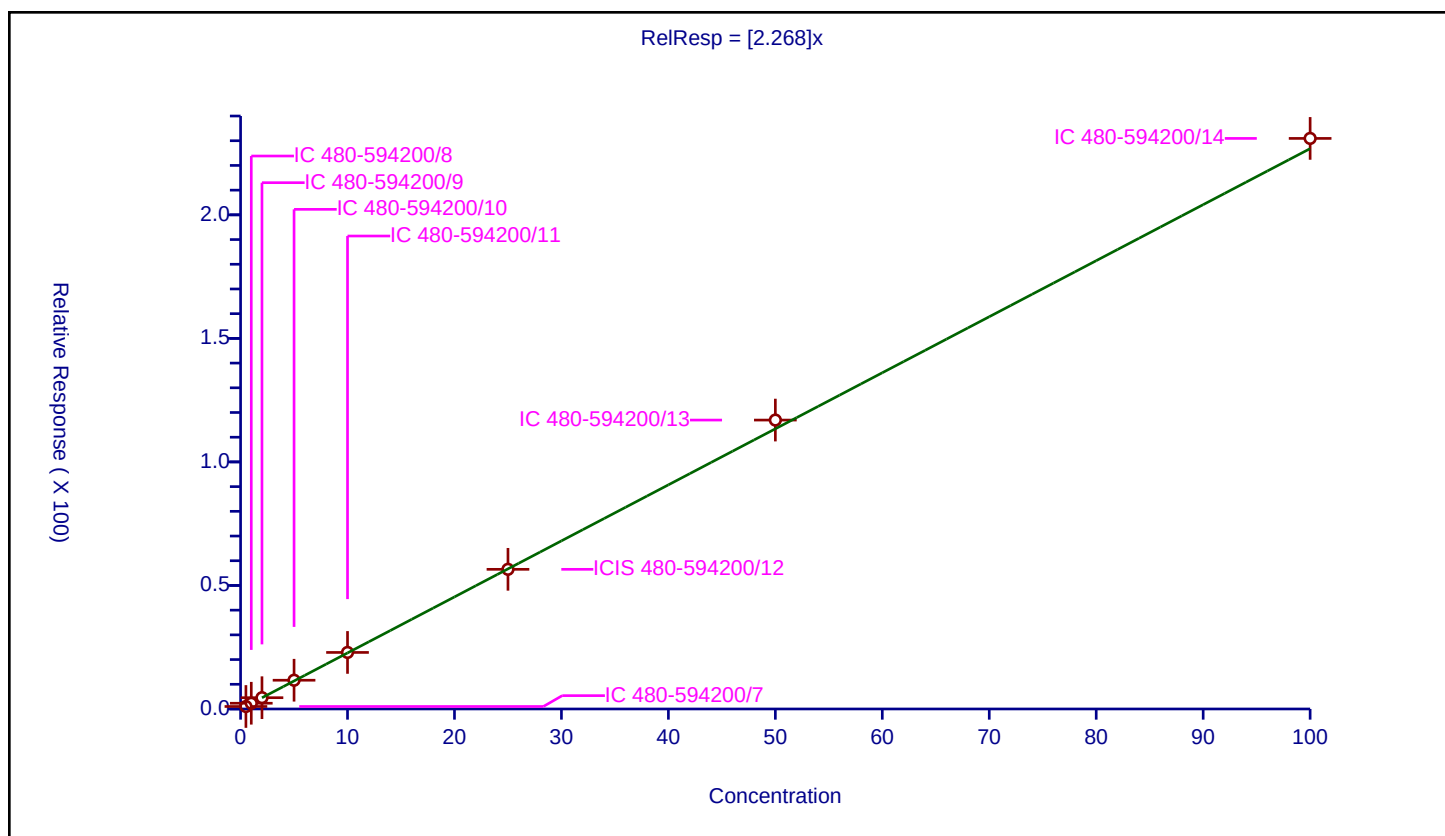
Curve Coefficients

Intercept: 0
Slope: 2.268

Error Coefficients

Standard Error: 1320000
Relative Standard Error: 4.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.007473	25.0	330927.0	2.014946	Y
2	IC 480-594200/8	1.0	2.320904	25.0	311592.0	2.320904	Y
3	IC 480-594200/9	2.0	4.566341	25.0	304029.0	2.28317	Y
4	IC 480-594200/10	5.0	11.637268	25.0	323536.0	2.327454	Y
5	IC 480-594200/11	10.0	22.885883	25.0	319708.0	2.288588	Y
6	ICIS 480-594200/12	25.0	56.530939	25.0	306828.0	2.261238	Y
7	IC 480-594200/13	50.0	116.932563	25.0	330988.0	2.338651	Y
8	IC 480-594200/14	100.0	230.93465	25.0	328861.0	2.309347	Y



Calibration

/ tert-Butylbenzene

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

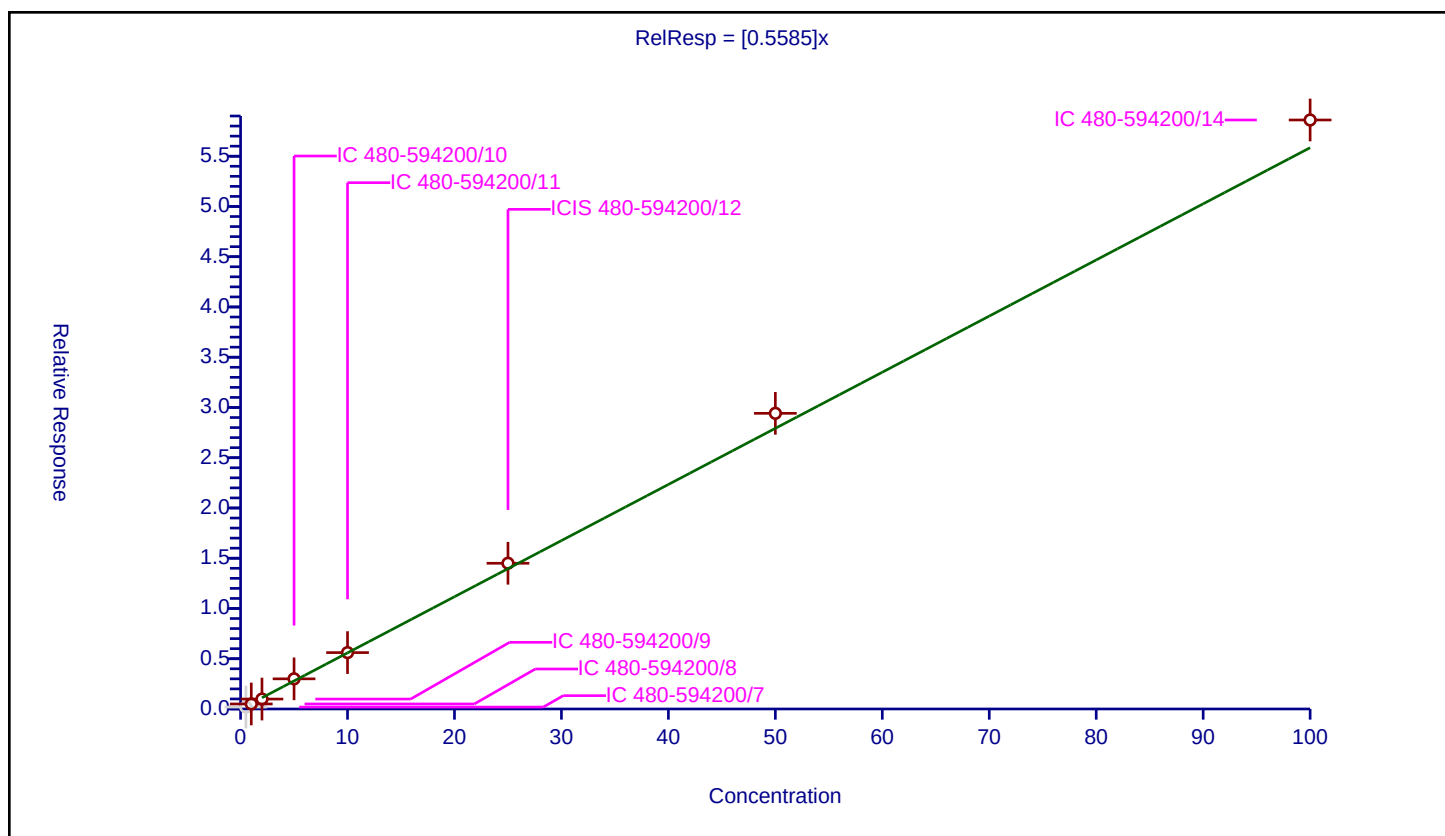
Curve Coefficients

Intercept: 0
Slope: 0.5585

Error Coefficients

Standard Error: 362000
Relative Standard Error: 7.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.188712	25.0	330927.0	0.377425	N
2	IC 480-594200/8	1.0	0.49905	25.0	311592.0	0.49905	Y
3	IC 480-594200/9	2.0	0.989462	25.0	304029.0	0.494731	Y
4	IC 480-594200/10	5.0	3.000593	25.0	323536.0	0.600119	Y
5	IC 480-594200/11	10.0	5.609572	25.0	319708.0	0.560957	Y
6	ICIS 480-594200/12	25.0	14.499655	25.0	306828.0	0.579986	Y
7	IC 480-594200/13	50.0	29.419269	25.0	330988.0	0.588385	Y
8	IC 480-594200/14	100.0	58.604775	25.0	328861.0	0.586048	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

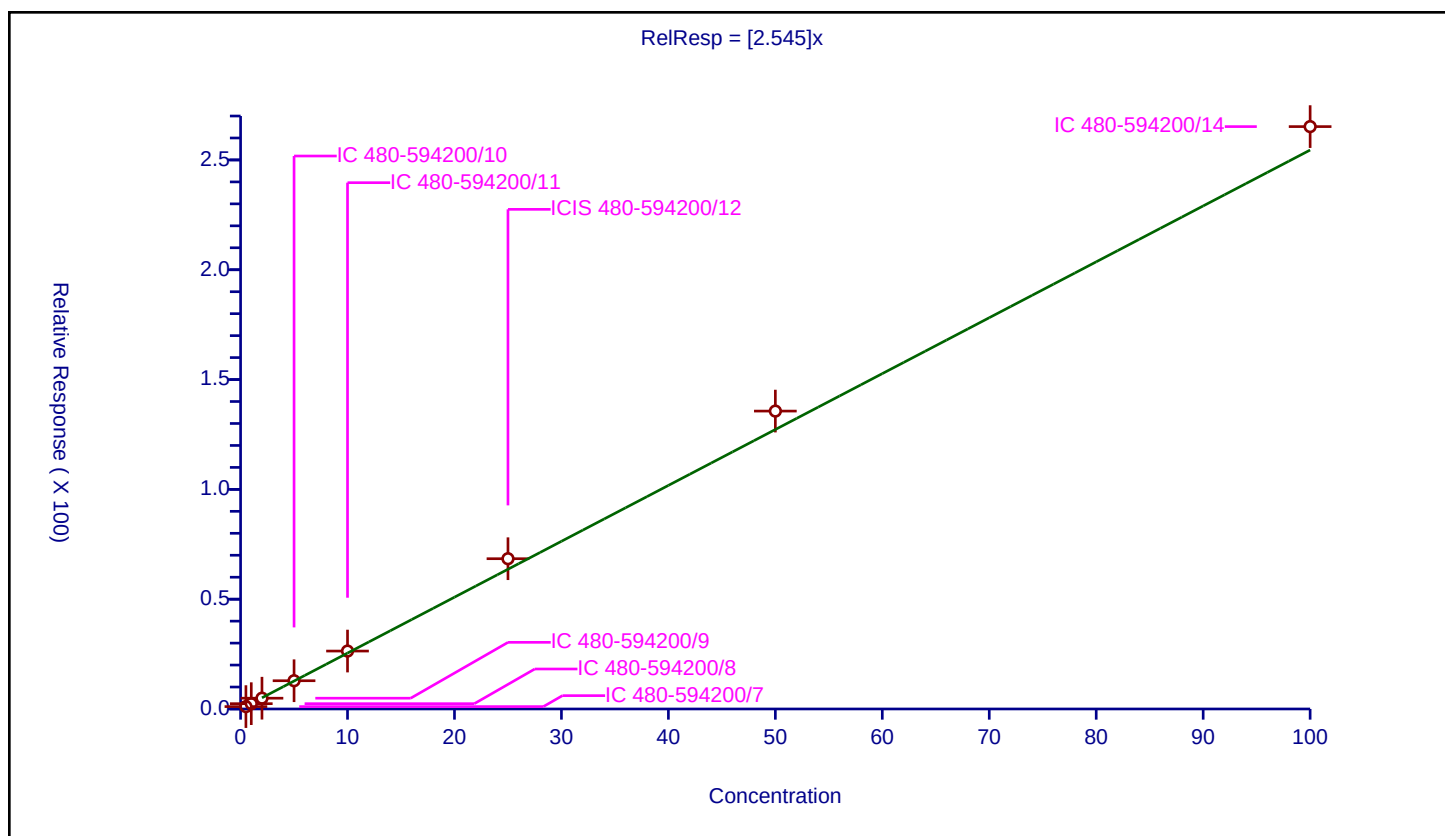
Curve Coefficients

Intercept: 0
 Slope: 2.545

Error Coefficients

Standard Error: 1520000
 Relative Standard Error: 7.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.082263	25.0	330927.0	2.164526	Y
2	IC 480-594200/8	1.0	2.427453	25.0	311592.0	2.427453	Y
3	IC 480-594200/9	2.0	4.913265	25.0	304029.0	2.456632	Y
4	IC 480-594200/10	5.0	12.861629	25.0	323536.0	2.572326	Y
5	IC 480-594200/11	10.0	26.376569	25.0	319708.0	2.637657	Y
6	ICIS 480-594200/12	25.0	68.42441	25.0	306828.0	2.736976	Y
7	IC 480-594200/13	50.0	135.645477	25.0	330988.0	2.71291	Y
8	IC 480-594200/14	100.0	265.175484	25.0	328861.0	2.651755	Y



Calibration

/ sec-Butylbenzene

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

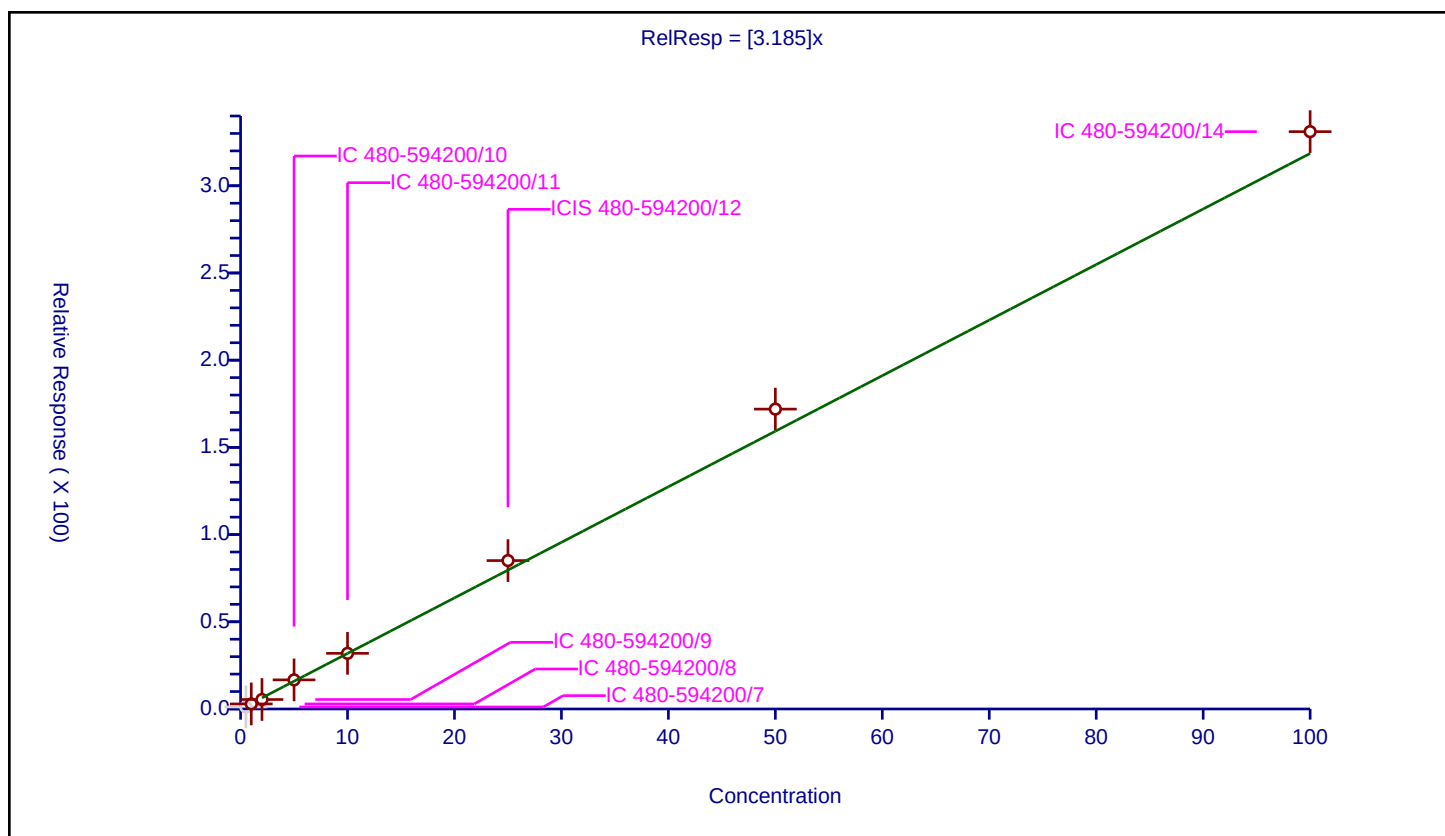
Curve Coefficients

Intercept: 0
Slope: 3.185

Error Coefficients

Standard Error: 2060000
Relative Standard Error: 8.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.158488	25.0	330927.0	2.316976	N
2	IC 480-594200/8	1.0	2.900829	25.0	311592.0	2.900829	Y
3	IC 480-594200/9	2.0	5.429416	25.0	304029.0	2.714708	Y
4	IC 480-594200/10	5.0	16.690415	25.0	323536.0	3.338083	Y
5	IC 480-594200/11	10.0	31.907788	25.0	319708.0	3.190779	Y
6	ICIS 480-594200/12	25.0	85.097025	25.0	306828.0	3.403881	Y
7	IC 480-594200/13	50.0	171.945358	25.0	330988.0	3.438907	Y
8	IC 480-594200/14	100.0	331.041838	25.0	328861.0	3.310418	Y



Calibration

/ 1,3-Dichlorobenzene

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

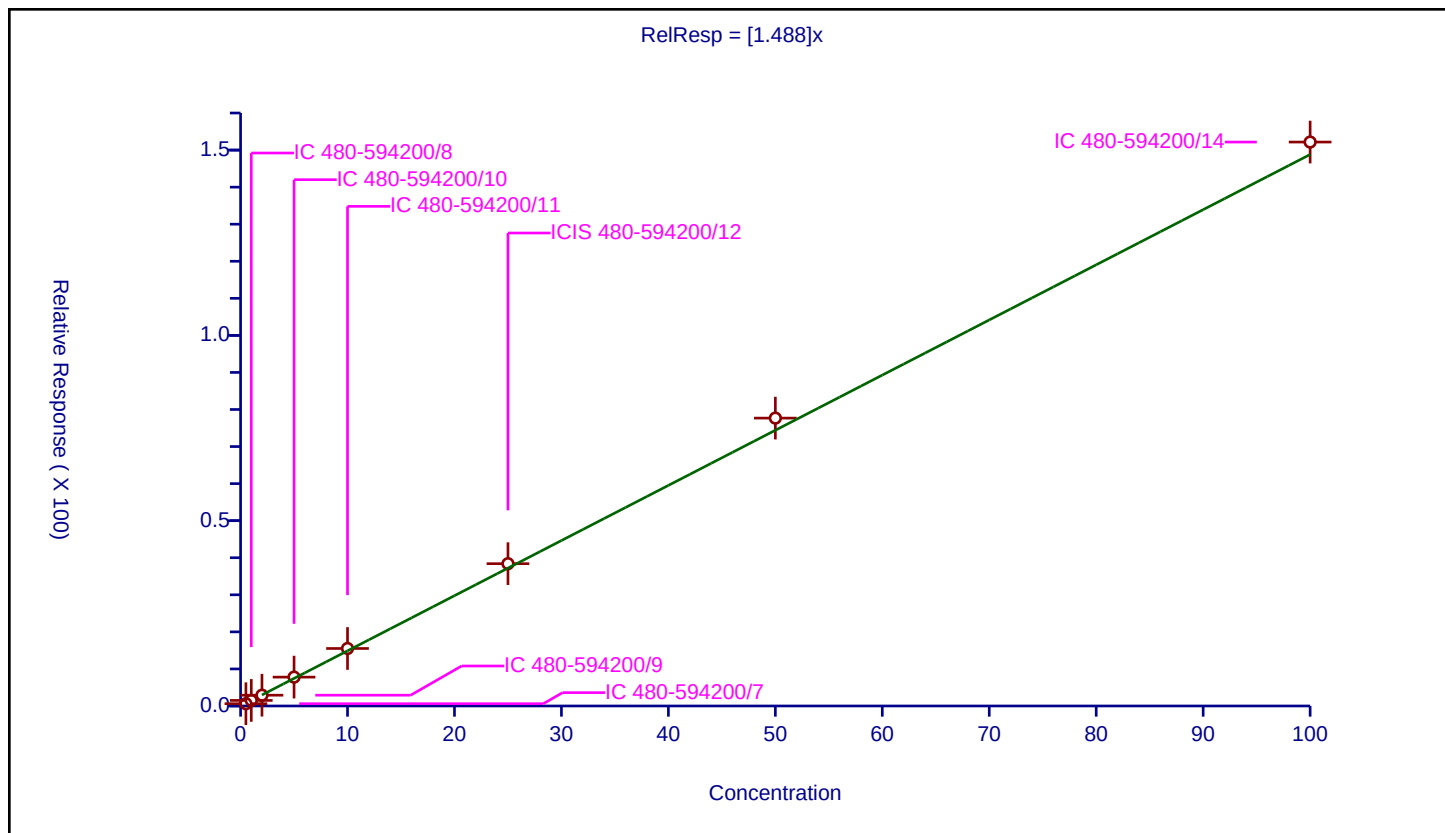
Curve Coefficients

Intercept: 0
 Slope: 1.488

Error Coefficients

Standard Error: 873000
 Relative Standard Error: 7.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.614788	25.0	330927.0	1.229576	Y
2	IC 480-594200/8	1.0	1.498594	25.0	311592.0	1.498594	Y
3	IC 480-594200/9	2.0	2.910002	25.0	304029.0	1.455001	Y
4	IC 480-594200/10	5.0	7.789937	25.0	323536.0	1.557987	Y
5	IC 480-594200/11	10.0	15.516815	25.0	319708.0	1.551682	Y
6	ICIS 480-594200/12	25.0	38.400016	25.0	306828.0	1.536001	Y
7	IC 480-594200/13	50.0	77.681064	25.0	330988.0	1.553621	Y
8	IC 480-594200/14	100.0	152.166873	25.0	328861.0	1.521669	Y



Calibration

/ 4-Isopropyltoluene

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

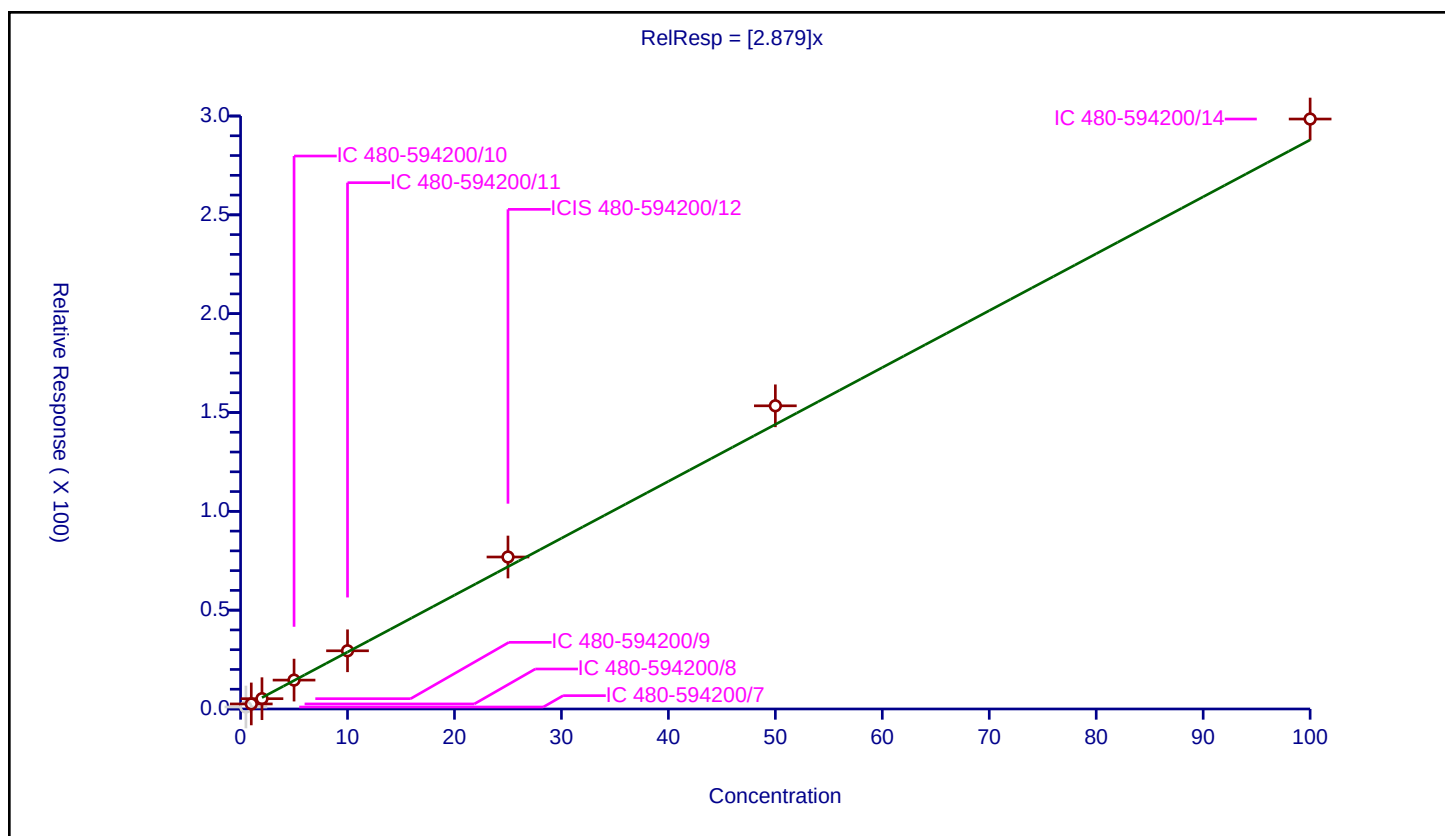
Curve Coefficients

Intercept: 0
Slope: 2.879

Error Coefficients

Standard Error: 1850000
Relative Standard Error: 7.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.004602	25.0	330927.0	2.009204	N
2	IC 480-594200/8	1.0	2.55029	25.0	311592.0	2.55029	Y
3	IC 480-594200/9	2.0	5.214634	25.0	304029.0	2.607317	Y
4	IC 480-594200/10	5.0	14.616843	25.0	323536.0	2.923369	Y
5	IC 480-594200/11	10.0	29.445385	25.0	319708.0	2.944538	Y
6	ICIS 480-594200/12	25.0	76.894139	25.0	306828.0	3.075766	Y
7	IC 480-594200/13	50.0	153.392344	25.0	330988.0	3.067847	Y
8	IC 480-594200/14	100.0	298.481045	25.0	328861.0	2.98481	Y



Calibration

/ 1,4-Dichlorobenzene

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

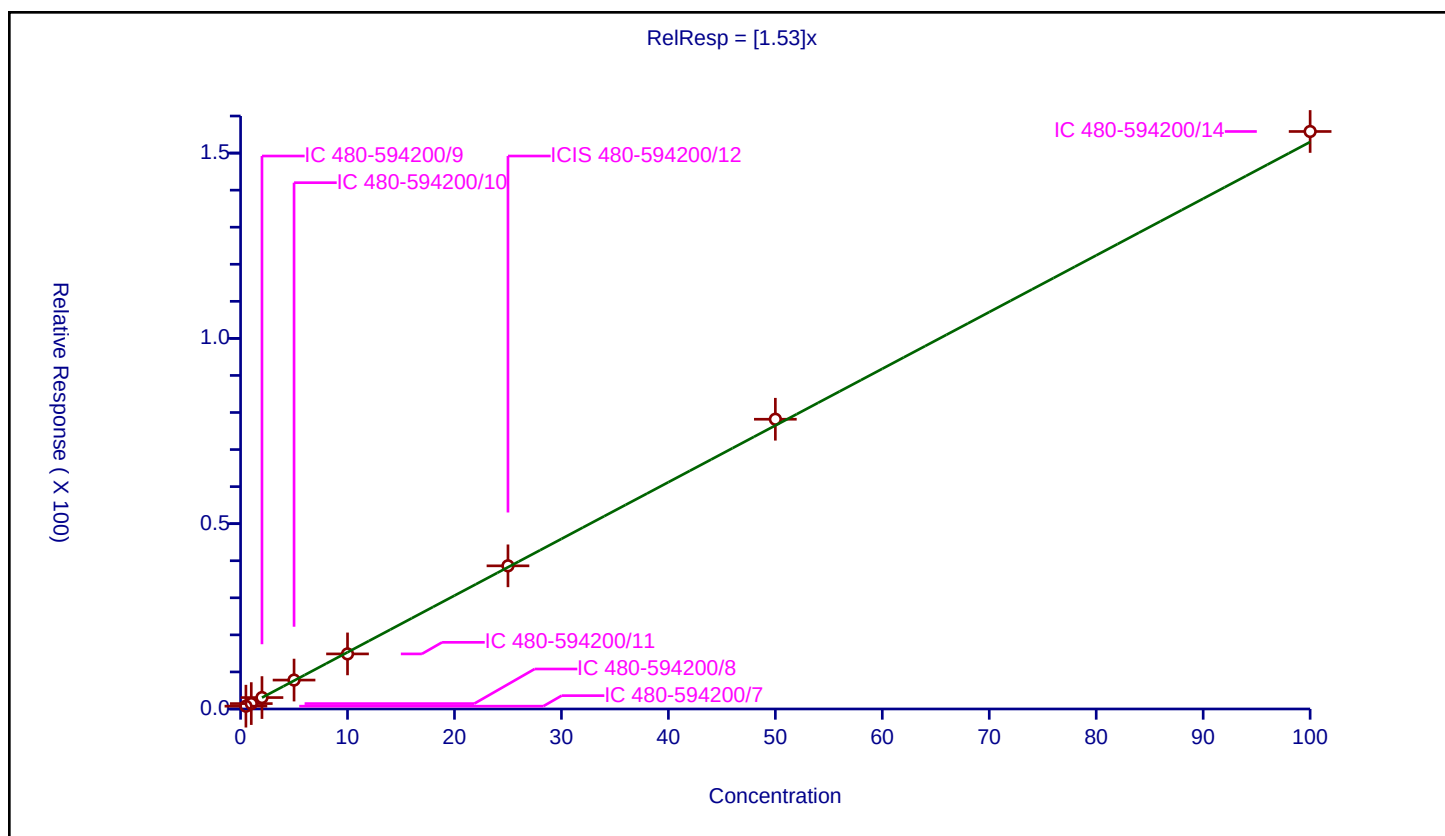
Curve Coefficients

Intercept: 0
Slope: 1.53

Error Coefficients

Standard Error: 890000
Relative Standard Error: 2.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.762253	25.0	330927.0	1.524505	Y
2	IC 480-594200/8	1.0	1.457836	25.0	311592.0	1.457836	Y
3	IC 480-594200/9	2.0	3.085396	25.0	304029.0	1.542698	Y
4	IC 480-594200/10	5.0	7.806086	25.0	323536.0	1.561217	Y
5	IC 480-594200/11	10.0	14.861686	25.0	319708.0	1.486169	Y
6	ICIS 480-594200/12	25.0	38.63166	25.0	306828.0	1.545266	Y
7	IC 480-594200/13	50.0	78.184179	25.0	330988.0	1.563684	Y
8	IC 480-594200/14	100.0	155.829895	25.0	328861.0	1.558299	Y



Calibration

/ n-Butylbenzene

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

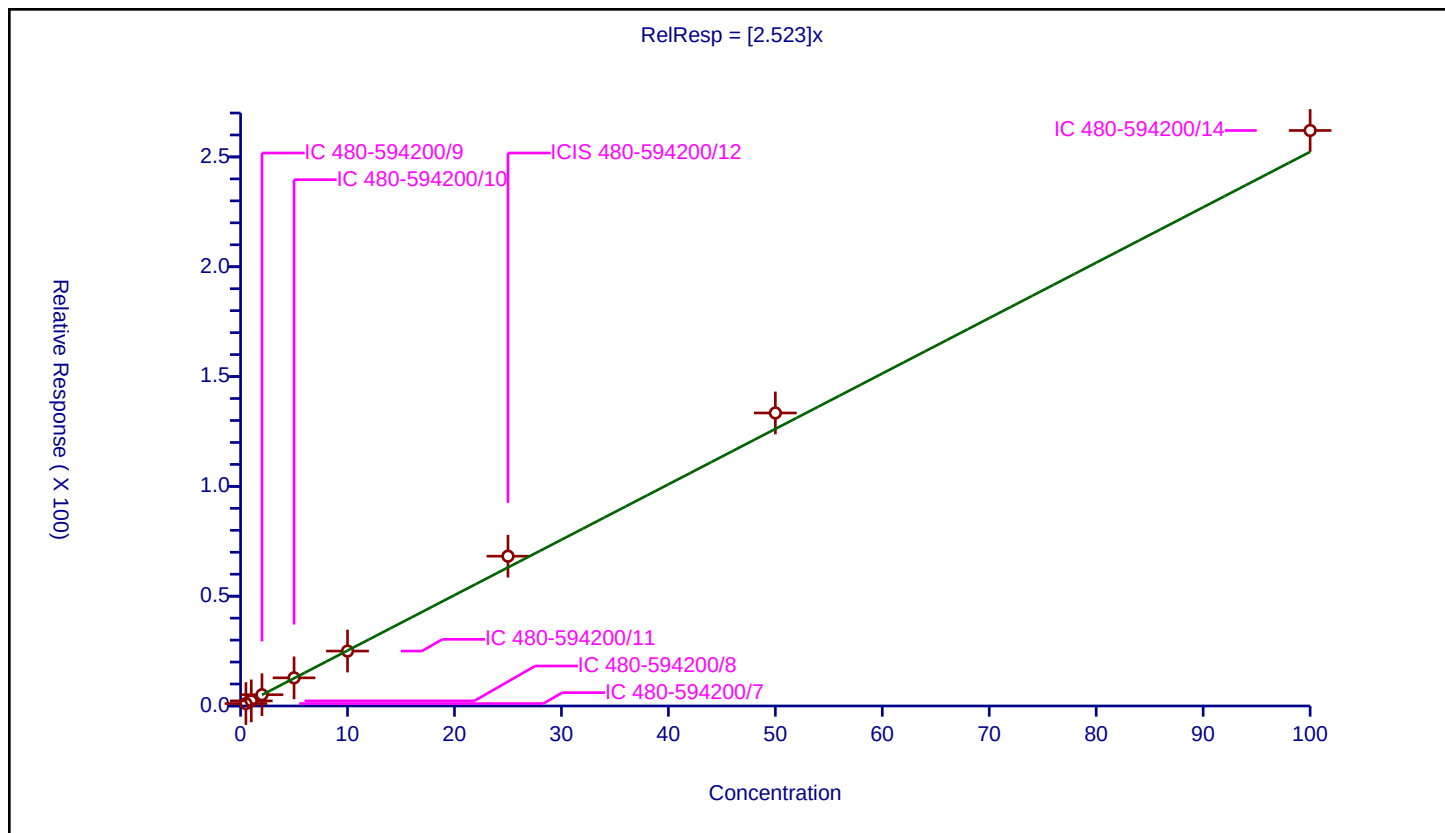
Curve Coefficients

Intercept: 0
 Slope: 2.523

Error Coefficients

Standard Error: 1500000
 Relative Standard Error: 6.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.108024	25.0	330927.0	2.216048	Y
2	IC 480-594200/8	1.0	2.320663	25.0	311592.0	2.320663	Y
3	IC 480-594200/9	2.0	5.135365	25.0	304029.0	2.567683	Y
4	IC 480-594200/10	5.0	12.813335	25.0	323536.0	2.562667	Y
5	IC 480-594200/11	10.0	25.008993	25.0	319708.0	2.500899	Y
6	ICIS 480-594200/12	25.0	68.206617	25.0	306828.0	2.728265	Y
7	IC 480-594200/13	50.0	133.425608	25.0	330988.0	2.668512	Y
8	IC 480-594200/14	100.0	262.050456	25.0	328861.0	2.620505	Y



Calibration

/ 1,2-Dichlorobenzene

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

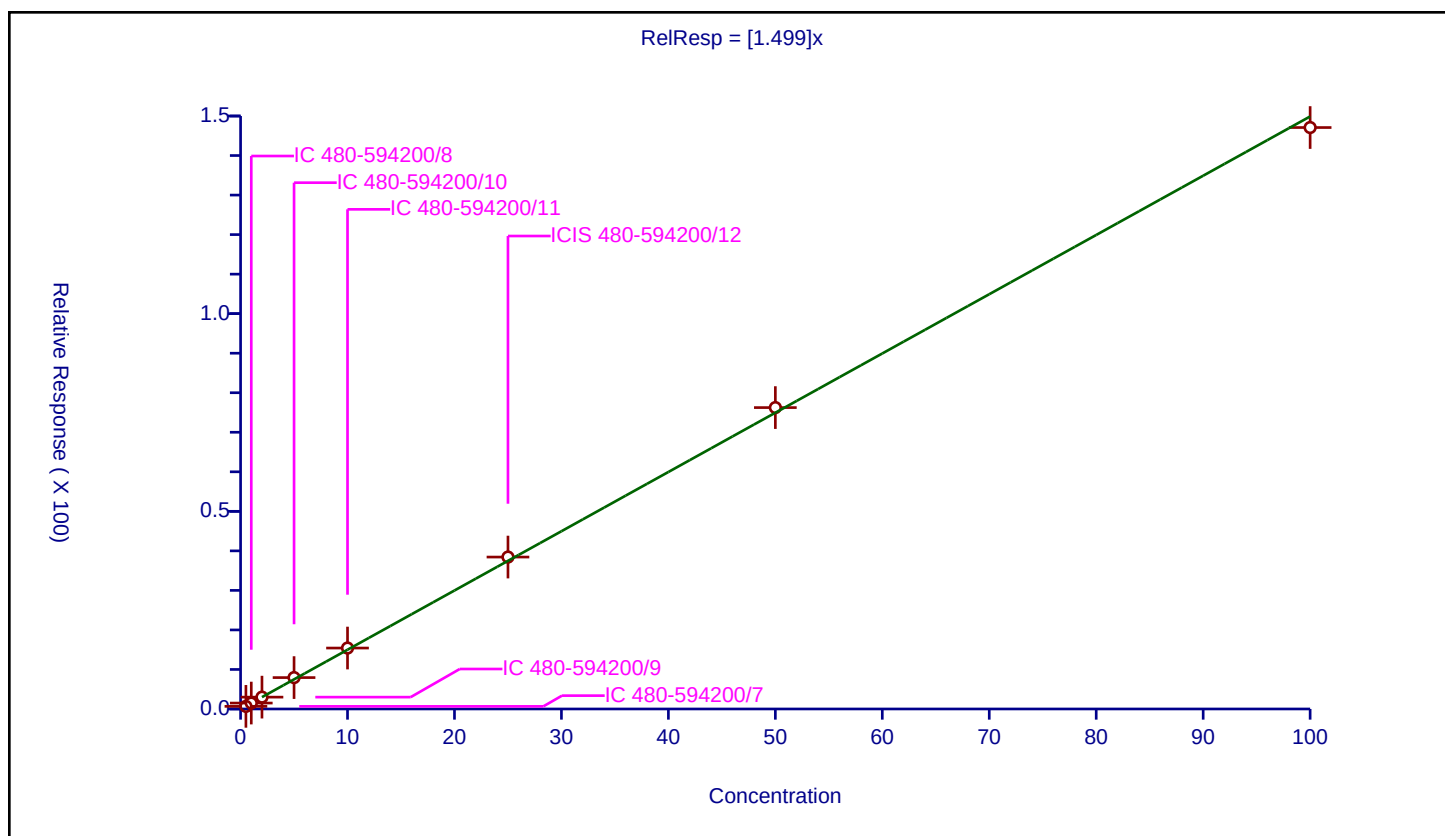
Curve Coefficients

Intercept: 0
Slope: 1.499

Error Coefficients

Standard Error: 848000
Relative Standard Error: 5.2
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.662911	25.0	330927.0	1.325821	Y
2	IC 480-594200/8	1.0	1.503649	25.0	311592.0	1.503649	Y
3	IC 480-594200/9	2.0	2.995602	25.0	304029.0	1.497801	Y
4	IC 480-594200/10	5.0	7.94587	25.0	323536.0	1.589174	Y
5	IC 480-594200/11	10.0	15.415082	25.0	319708.0	1.541508	Y
6	ICIS 480-594200/12	25.0	38.433829	25.0	306828.0	1.537353	Y
7	IC 480-594200/13	50.0	76.240906	25.0	330988.0	1.524818	Y
8	IC 480-594200/14	100.0	147.085775	25.0	328861.0	1.470858	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

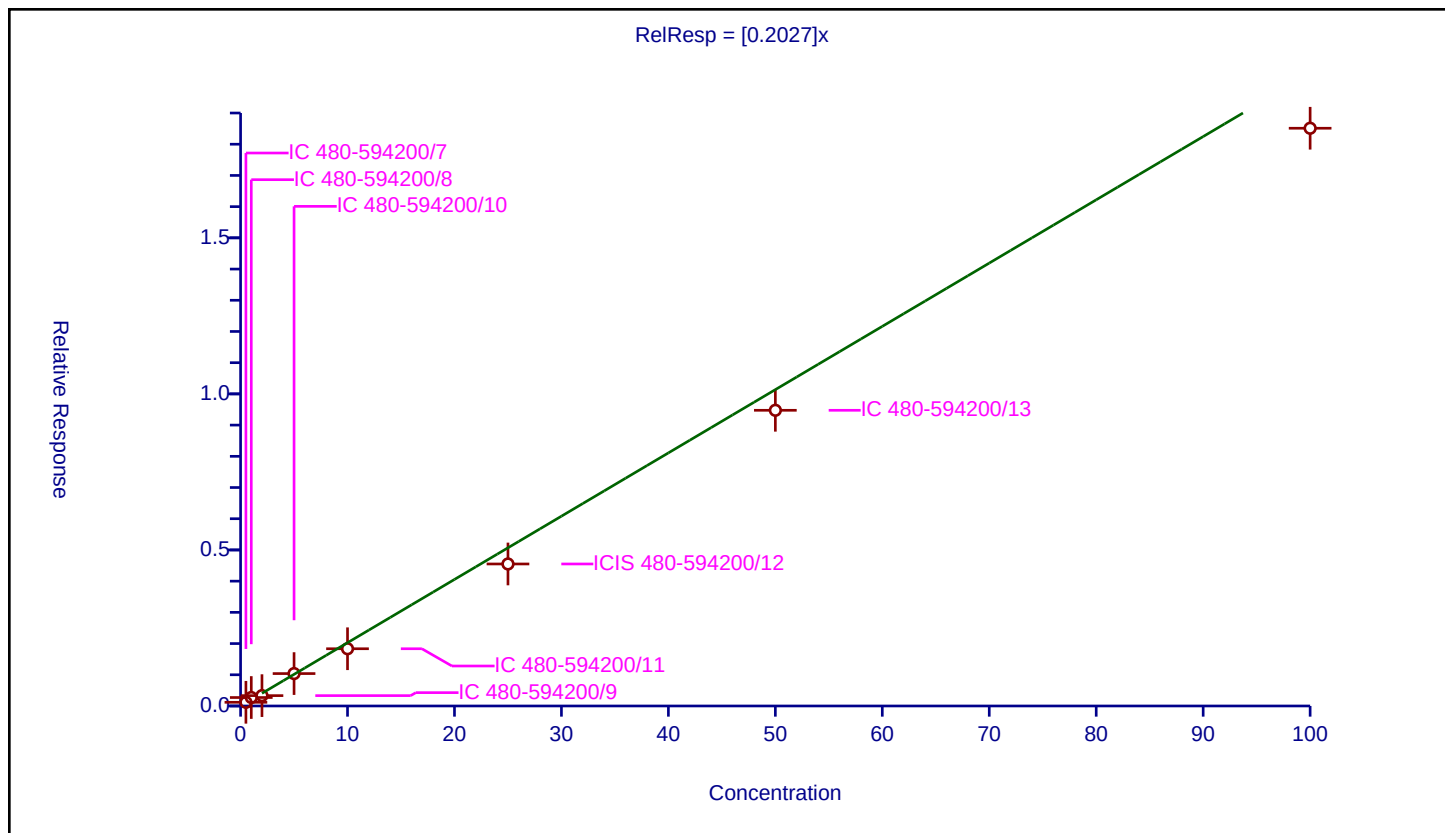
Curve Coefficients

Intercept: 0
 Slope: 0.2027

Error Coefficients

Standard Error: 106000
 Relative Standard Error: 17.2
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.954

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.11838	25.0	330927.0	0.236759	Y
2	IC 480-594200/8	1.0	0.271188	25.0	311592.0	0.271188	Y
3	IC 480-594200/9	2.0	0.332205	25.0	304029.0	0.166103	Y
4	IC 480-594200/10	5.0	1.038988	25.0	323536.0	0.207798	Y
5	IC 480-594200/11	10.0	1.833783	25.0	319708.0	0.183378	Y
6	ICIS 480-594200/12	25.0	4.550106	25.0	306828.0	0.182004	Y
7	IC 480-594200/13	50.0	9.474966	25.0	330988.0	0.189499	Y
8	IC 480-594200/14	100.0	18.511772	25.0	328861.0	0.185118	Y



Calibration

/ 1,2,4-Trichlorobenzene

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

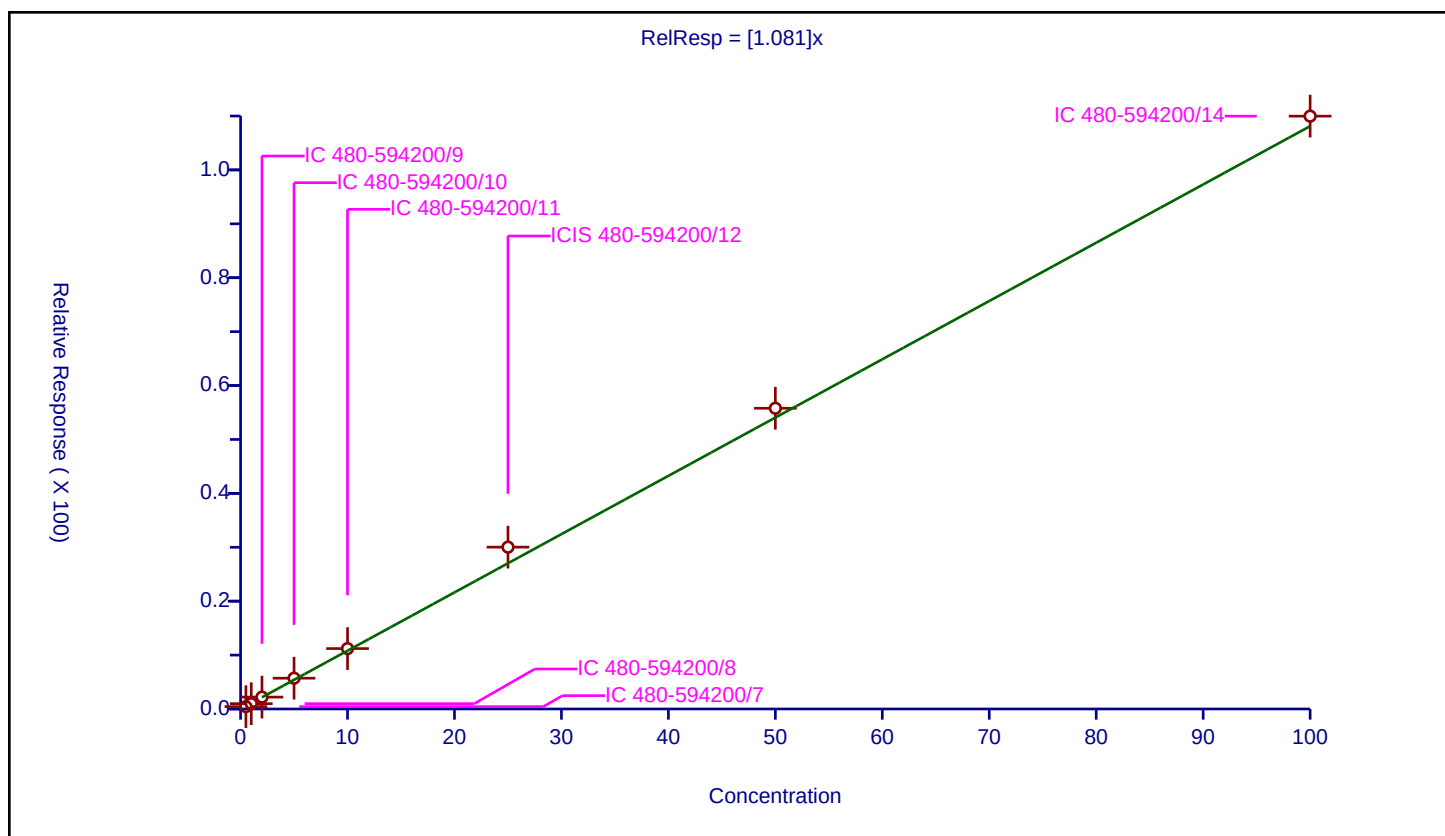
Curve Coefficients

Intercept: 0
 Slope: 1.081

Error Coefficients

Standard Error: 633000
 Relative Standard Error: 9.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.439976	25.0	330927.0	0.879952	Y
2	IC 480-594200/8	1.0	0.988954	25.0	311592.0	0.988954	Y
3	IC 480-594200/9	2.0	2.202257	25.0	304029.0	1.101129	Y
4	IC 480-594200/10	5.0	5.710647	25.0	323536.0	1.142129	Y
5	IC 480-594200/11	10.0	11.20632	25.0	319708.0	1.120632	Y
6	ICIS 480-594200/12	25.0	30.023417	25.0	306828.0	1.200937	Y
7	IC 480-594200/13	50.0	55.786237	25.0	330988.0	1.115725	Y
8	IC 480-594200/14	100.0	109.974959	25.0	328861.0	1.09975	Y



Calibration

/ Hexachlorobutadiene

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

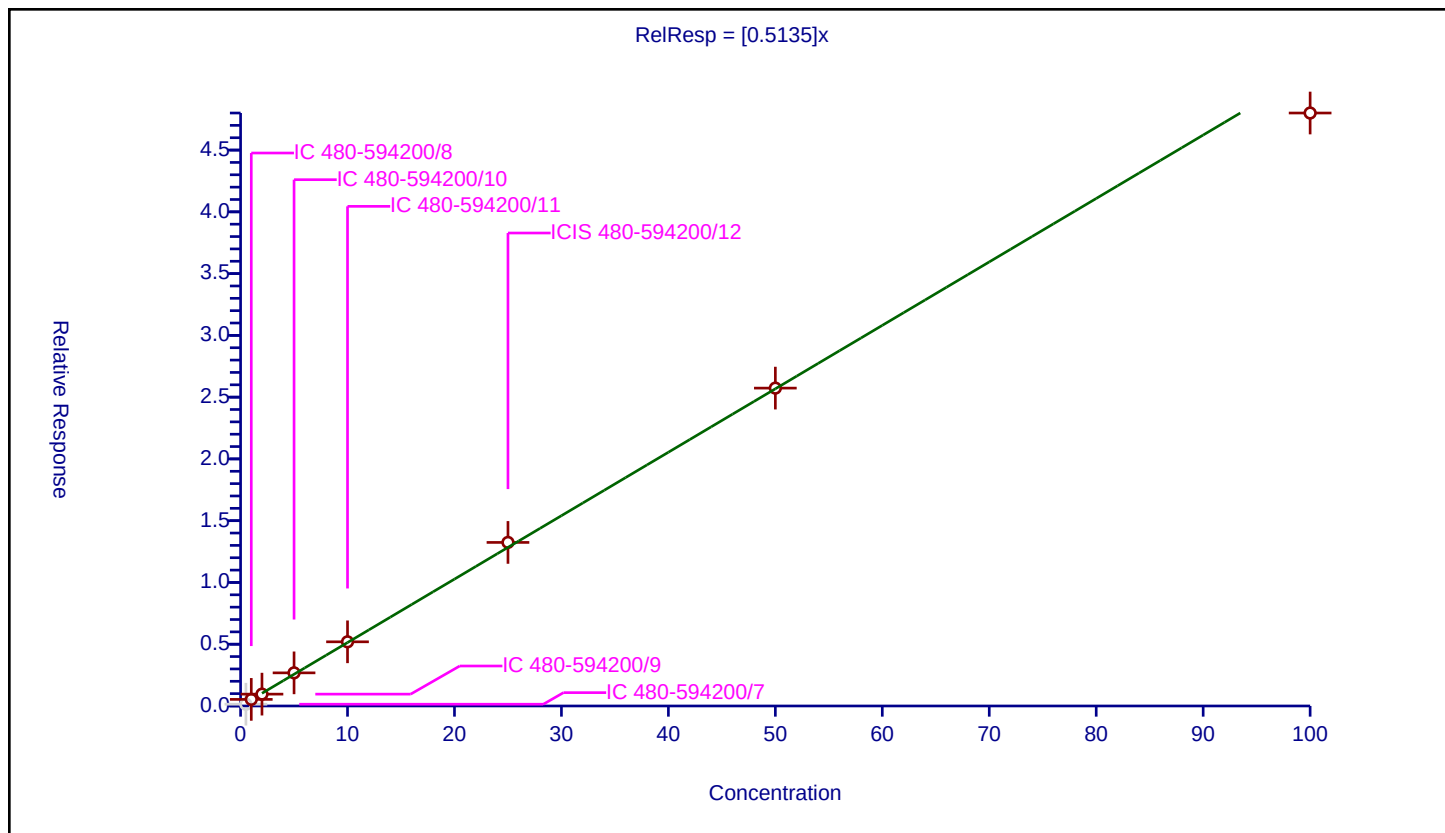
Curve Coefficients

Intercept: 0
 Slope: 0.5135

Error Coefficients

Standard Error: 302000
 Relative Standard Error: 4.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.144292	25.0	330927.0	0.288583	N
2	IC 480-594200/8	1.0	0.534513	25.0	311592.0	0.534513	Y
3	IC 480-594200/9	2.0	0.960106	25.0	304029.0	0.480053	Y
4	IC 480-594200/10	5.0	2.682314	25.0	323536.0	0.536463	Y
5	IC 480-594200/11	10.0	5.19388	25.0	319708.0	0.519388	Y
6	ICIS 480-594200/12	25.0	13.240724	25.0	306828.0	0.529629	Y
7	IC 480-594200/13	50.0	25.731144	25.0	330988.0	0.514623	Y
8	IC 480-594200/14	100.0	47.999307	25.0	328861.0	0.479993	Y



Calibration

/ Naphthalene

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

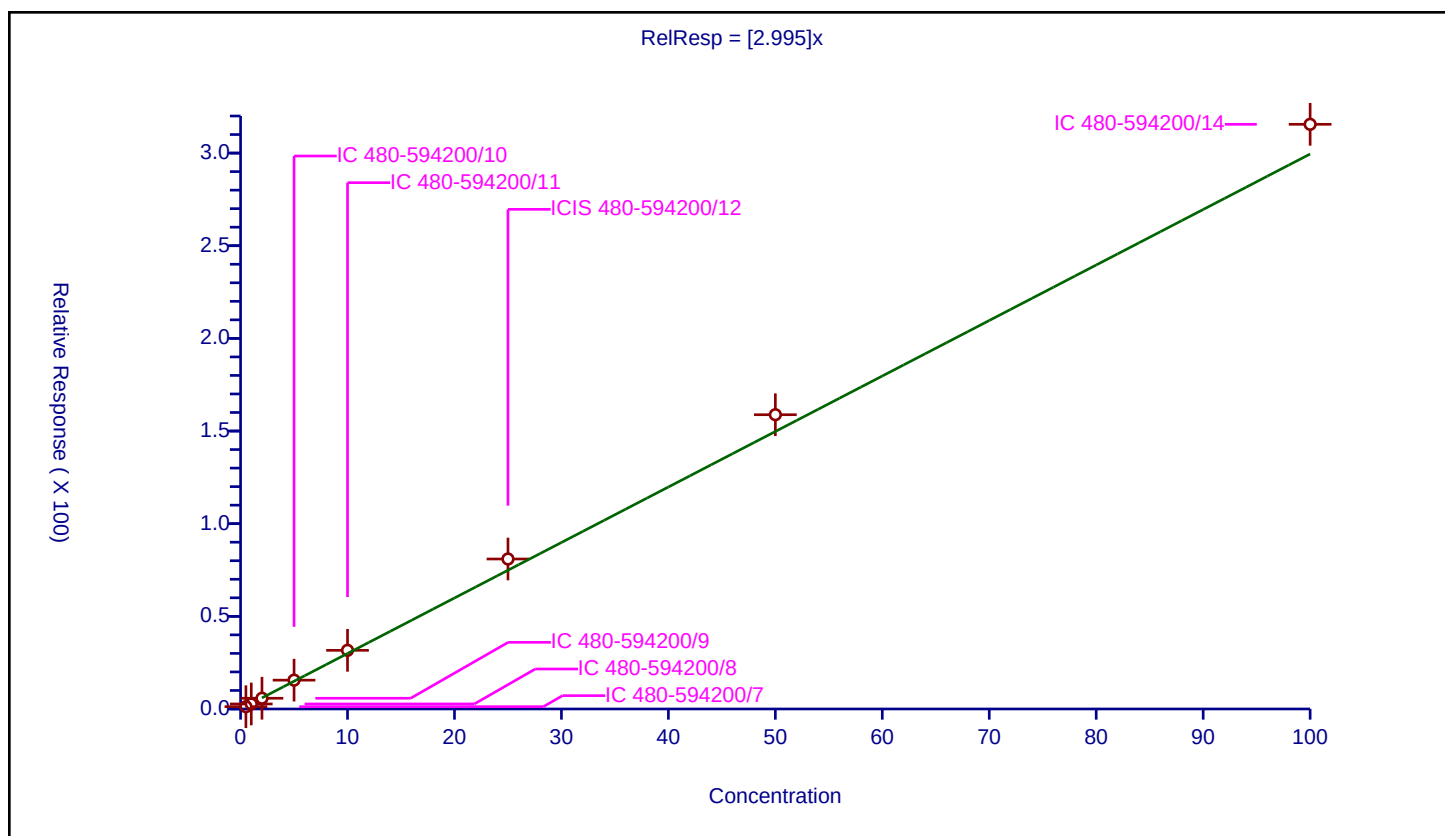
Curve Coefficients

Intercept: 0
 Slope: 2.995

Error Coefficients

Standard Error: 1810000
 Relative Standard Error: 8.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	1.251787	25.0	330927.0	2.503573	Y
2	IC 480-594200/8	1.0	2.710516	25.0	311592.0	2.710516	Y
3	IC 480-594200/9	2.0	5.795089	25.0	304029.0	2.897544	Y
4	IC 480-594200/10	5.0	15.565965	25.0	323536.0	3.113193	Y
5	IC 480-594200/11	10.0	31.656777	25.0	319708.0	3.165678	Y
6	ICIS 480-594200/12	25.0	80.943314	25.0	306828.0	3.237733	Y
7	IC 480-594200/13	50.0	158.805757	25.0	330988.0	3.176115	Y
8	IC 480-594200/14	100.0	315.520159	25.0	328861.0	3.155202	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

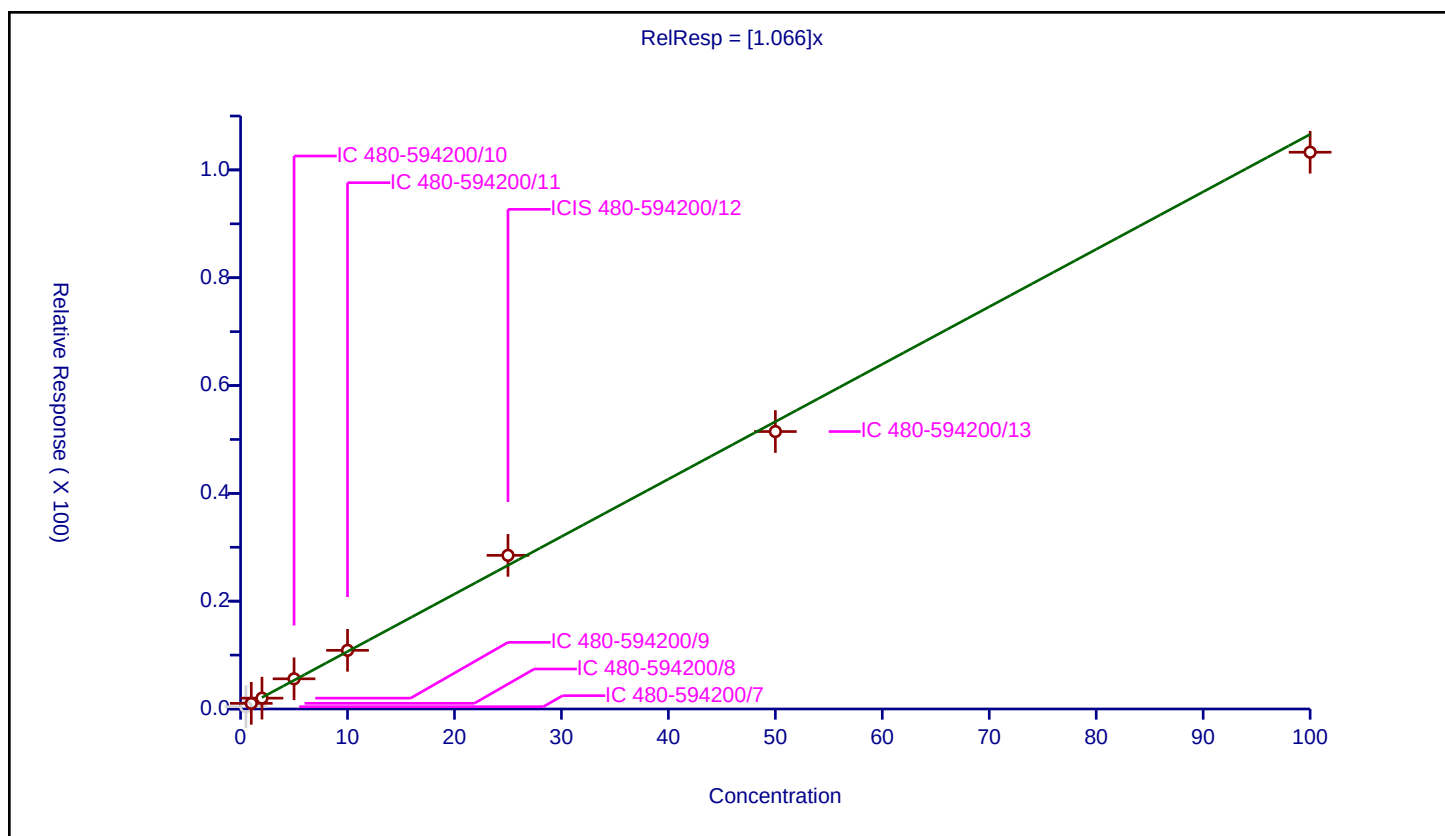
Curve Coefficients

Intercept: 0
Slope: 1.066

Error Coefficients

Standard Error: 640000
Relative Standard Error: 4.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-594200/7	0.5	0.426	25.0	330927.0	0.852001	N
2	IC 480-594200/8	1.0	1.047524	25.0	311592.0	1.047524	Y
3	IC 480-594200/9	2.0	2.008443	25.0	304029.0	1.004222	Y
4	IC 480-594200/10	5.0	5.59675	25.0	323536.0	1.11935	Y
5	IC 480-594200/11	10.0	10.882821	25.0	319708.0	1.088282	Y
6	ICIS 480-594200/12	25.0	28.500414	25.0	306828.0	1.140017	Y
7	IC 480-594200/13	50.0	51.471352	25.0	330988.0	1.029427	Y
8	IC 480-594200/14	100.0	103.280641	25.0	328861.0	1.032806	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Lab Sample ID: ICV 480-594935/37 Calibration Date: 09/01/2021 23:05

Instrument ID: HP5973C Calib Start Date: 09/01/2021 15:06

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 09/01/2021 17:46

Lab File ID: C7208.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	1.908	2.264	0.1000	29.7	25.0	18.6	50.0
Chloromethane	Ave	2.785	2.985	0.1000	26.8	25.0	7.2	30.0
Vinyl chloride	Ave	1.984	2.319	0.1000	29.2	25.0	16.9	30.0
Butadiene	Ave	2.010	2.369		29.5	25.0	17.9	30.0
Bromomethane	Ave	1.281	1.270	0.1000	24.8	25.0	-0.9	50.0
Chloroethane	Ave	1.130	1.310	0.1000	29.0	25.0	15.9	50.0
Dichlorofluoromethane	Ave	2.676	3.041		28.4	25.0	13.6	30.0
Trichlorofluoromethane	Ave	2.342	2.719	0.1000	29.0	25.0	16.1	30.0
Ethyl ether	Ave	1.559	1.685		27.0	25.0	8.0	30.0
Acrolein	Ave	0.0932	0.1010		135	125	8.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.657	0.1000	25.0	25.0	0.0	30.0
1,1-Dichloroethene	Ave	1.400	1.592	0.1000	28.4	25.0	13.7	30.0
Acetone	Ave	0.9337	0.9517	0.1000	127	125	1.9	50.0
Iodomethane	Ave	2.713	3.054		28.1	25.0	12.6	30.0
Carbon disulfide	Lin1		5.424	0.1000	25.1	25.0	0.3	30.0
Allyl chloride	Ave	3.068	3.389		27.6	25.0	10.5	30.0
Methyl acetate	Ave	2.102	2.186	0.1000	52.0	50.0	4.0	50.0
Methylene Chloride	Lin1		1.931	0.1000	25.8	25.0	3.1	30.0
2-Methyl-2-propanol	Ave	0.2090	0.2527		302	250	20.9	50.0
Methyl tert-butyl ether	Ave	4.452	5.099	0.1000	28.6	25.0	14.5	30.0
trans-1,2-Dichloroethene	Ave	1.599	1.886	0.1000	29.5	25.0	17.9	30.0
Acrylonitrile	Ave	1.185	1.246		263	250	5.1	30.0
Hexane	Lin1		2.513		24.0	25.0	-4.1	30.0
1,1-Dichloroethane	Ave	2.915	3.176	0.2000	27.2	25.0	9.0	30.0
Vinyl acetate	Ave	3.202	3.458		54.0	50.0	8.0	30.0
2,2-Dichloropropane	Lin1		1.207		26.4	25.0	5.5	30.0
cis-1,2-Dichloroethene	Ave	1.764	1.931	0.1000	27.4	25.0	9.4	30.0
2-Butanone (MEK)	Ave	1.222	1.275	0.1000	130	125	4.3	30.0
Chlorobromomethane	Ave	0.9892	1.062		26.8	25.0	7.4	30.0
Tetrahydrofuran	Ave	0.9679	0.9424		48.7	50.0	-2.6	30.0
Chloroform	Ave	2.903	2.960	0.2000	25.5	25.0	2.0	30.0
1,1,1-Trichloroethane	Lin1		2.372	0.1000	24.7	25.0	-1.2	30.0
Cyclohexane	Lin1		3.792	0.1000	25.7	25.0	2.8	30.0
Carbon tetrachloride	Lin1		2.005	0.1000	24.7	25.0	-1.3	30.0
1,1-Dichloropropene	Ave	1.860	1.924		25.9	25.0	3.5	30.0
Benzene	Ave	5.337	5.640	0.5000	26.4	25.0	5.7	30.0
Isobutyl alcohol	Lin1		0.1054		708	625	13.4	50.0
1,2-Dichloroethane	Ave	2.292	2.282	0.1000	24.9	25.0	-0.4	30.0
n-Heptane	Ave	2.768	2.689		24.3	25.0	-2.9	30.0
Trichloroethene	Ave	1.429	1.505	0.2000	26.3	25.0	5.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Lab Sample ID: ICV 480-594935/37 Calibration Date: 09/01/2021 23:05

Instrument ID: HP5973C Calib Start Date: 09/01/2021 15:06

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 09/01/2021 17:46

Lab File ID: C7208.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	Lin1		2.866	0.1000	24.6	25.0	-1.5	30.0
1,2-Dichloropropane	Ave	1.425	1.502	0.1000	26.4	25.0	5.4	30.0
Dibromomethane	Ave	1.021	1.052	0.1000	25.8	25.0	3.1	30.0
1,4-Dioxane	Lin1		0.0079		484	500	-3.1	50.0
Bromodichloromethane	Ave	1.789	1.831	0.2000	25.6	25.0	2.3	30.0
2-Chloroethyl vinyl ether	Ave	0.8490	0.8916		26.3	25.0	5.0	30.0
cis-1,3-Dichloropropene	Ave	1.675	1.710	0.2000	25.5	25.0	2.1	30.0
4-Methyl-2-pentanone (MIBK)	Ave	1.215	1.322	0.1000	136	125	8.8	30.0
Toluene	Ave	1.610	1.625	0.4000	25.2	25.0	0.9	30.0
trans-1,3-Dichloropropene	Lin1		0.6401	0.1000	23.3	25.0	-6.8	30.0
Ethyl methacrylate	Ave	0.6377	0.7834		30.7	25.0	22.8	30.0
1,1,2-Trichloroethane	Ave	0.4996	0.5222	0.1000	26.1	25.0	4.5	30.0
Tetrachloroethene	Lin1		0.7121	0.2000	24.4	25.0	-2.5	30.0
1,3-Dichloropropane	Ave	0.9371	0.9306		24.8	25.0	-0.7	30.0
2-Hexanone	Ave	0.7180	0.8226	0.1000	143	125	14.6	30.0
Dibromochloromethane	Ave	0.6629	0.6845	0.1000	25.8	25.0	3.3	30.0
1,2-Dibromoethane	Ave	0.5925	0.6426		27.1	25.0	8.4	30.0
Chlorobenzene	Ave	1.879	1.900	0.5000	25.3	25.0	1.1	30.0
Ethylbenzene	Ave	3.028	3.294	0.1000	27.2	25.0	8.8	30.0
1,1,1,2-Tetrachloroethane	Ave	0.6612	0.7307		27.6	25.0	10.5	30.0
m,p-Xylene	Ave	1.181	1.299	0.1000	27.5	25.0	10.0	30.0
o-Xylene	Ave	1.240	1.349	0.3000	27.2	25.0	8.8	30.0
Styrene	Ave	1.976	2.202	0.3000	27.9	25.0	11.5	30.0
Bromoform	Ave	0.4148	0.4904	0.1000	29.6	25.0	18.2	50.0
Isopropylbenzene	Ave	2.684	2.712	0.1000	25.3	25.0	1.1	30.0
Bromobenzene	Ave	0.6630	0.6781		25.6	25.0	2.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8778	0.8496	0.3000	24.2	25.0	-3.2	30.0
N-Propylbenzene	Ave	3.102	3.222		26.0	25.0	3.9	30.0
1,2,3-Trichloropropane	Ave	0.3102	0.2734		22.0	25.0	-11.9	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2717	0.2736		25.2	25.0	0.7	50.0
2-Chlorotoluene	Ave	0.6622	0.6766		25.5	25.0	2.2	30.0
1,3,5-Trimethylbenzene	Ave	2.337	2.406		25.7	25.0	3.0	30.0
4-Chlorotoluene	Ave	0.6642	0.6710		25.3	25.0	1.0	30.0
tert-Butylbenzene	Lin1		0.5497		23.5	25.0	-6.0	30.0
1,2,4-Trimethylbenzene	Ave	2.418	2.473		25.6	25.0	2.3	30.0
sec-Butylbenzene	Lin1		3.122		23.0	25.0	-8.2	30.0
4-Isopropyltoluene	Lin1		2.738		23.0	25.0	-8.1	30.0
1,3-Dichlorobenzene	Ave	1.432	1.448	0.6000	25.3	25.0	1.1	30.0
1,4-Dichlorobenzene	Ave	1.482	1.489	0.5000	25.1	25.0	0.5	30.0
n-Butylbenzene	Ave	2.433	2.459		25.3	25.0	1.0	30.0
1,2-Dichlorobenzene	Ave	1.485	1.475	0.4000	24.8	25.0	-0.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Lab Sample ID: ICV 480-594935/37 Calibration Date: 09/01/2021 23:05
 Instrument ID: HP5973C Calib Start Date: 09/01/2021 15:06
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 09/01/2021 17:46
 Lab File ID: C7208.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	0.1827	0.1897	0.0500	26.0	25.0	3.8	50.0
1,2,4-Trichlorobenzene	Ave	1.093	1.063	0.2000	24.3	25.0	-2.8	30.0
Hexachlorobutadiene	Ave	0.4585	0.4487		24.5	25.0	-2.1	30.0
Naphthalene	Ave	3.506	3.592		25.6	25.0	2.4	30.0
1,2,3-Trichlorobenzene	Ave	1.051	1.033		24.6	25.0	-1.7	30.0
Dibromofluoromethane (Surr)	Ave	1.627	1.638		25.2	25.0	0.7	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8932	0.8857		24.8	25.0	-0.8	30.0
Toluene-d8 (Surr)	Ave	2.295	2.249		24.5	25.0	-2.0	30.0
4-Bromofluorobenzene (Surr)	Ave	0.7199	0.7570		26.3	25.0	5.2	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7208.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 01-Sep-2021 23:05:30 ALS Bottle#: 32 Worklist Smp#: 37
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICV
 Misc. Info.: 480-0100746-037
 Operator ID: LH Instrument ID: HP5973C
 Sublist:
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Sep-2021 10:55:00 Calib Date: 01-Sep-2021 21:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7205.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: HillL

Date: 02-Sep-2021 10:52:28

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	4.800	4.800	0.000	99	138778	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	86	290648	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.977	8.977	0.000	95	390892	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.324	4.324	0.000	92	227380	25.0	25.2	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.583	0.000	58	122911	25.0	24.8	
\$ 5 Toluene-d8 (Surr)	98	5.982	5.982	0.000	93	653637	25.0	24.5	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.044	8.044	0.000	89	220032	25.0	26.3	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	314145	25.0	29.7	
12 Chloromethane	50	1.225	1.225	0.000	100	414204	25.0	26.8	
13 Vinyl chloride	62	1.318	1.318	0.000	98	321804	25.0	29.2	
151 Butadiene	54	1.329	1.329	0.000	93	328714	25.0	29.5	
14 Bromomethane	94	1.588	1.598	-0.010	90	176281	25.0	24.8	
15 Chloroethane	64	1.681	1.681	0.000	98	181803	25.0	29.0	
16 Dichlorofluoromethane	67	1.888	1.888	0.000	98	422015	25.0	28.4	
17 Trichlorofluoromethane	101	1.888	1.899	-0.011	98	377331	25.0	29.0	
18 Ethyl ether	59	2.179	2.179	0.000	99	233793	25.0	27.0	
20 Acrolein	56	2.355	2.355	0.000	99	70055	125.0	135.4	
21 112TCTFE	101	2.375	2.375	0.000	92	229918	25.0	25.0	
22 1,1-Dichloroethene	96	2.386	2.386	0.000	96	220872	25.0	28.4	
23 Acetone	43	2.500	2.510	-0.010	99	660372	125.0	127.4	
25 Iodomethane	142	2.531	2.541	-0.010	99	423852	25.0	28.1	
26 Carbon disulfide	76	2.572	2.572	0.000	100	752670	25.0	25.1	
28 3-Chloro-1-propene	41	2.738	2.738	0.000	90	470367	25.0	27.6	
27 Methyl acetate	43	2.780	2.780	0.000	100	606633	50.0	52.0	
30 Methylene Chloride	84	2.873	2.873	0.000	96	268046	25.0	25.8	
31 2-Methyl-2-propanol	59	3.039	3.039	0.000	97	350662	250.0	302.3	
32 Methyl tert-butyl ether	73	3.070	3.070	0.000	97	707636	25.0	28.6	
34 trans-1,2-Dichloroethene	96	3.080	3.080	0.000	96	261731	25.0	29.5	
33 Acrylonitrile	53	3.132	3.132	0.000	99	1728841	250.0	262.8	
35 Hexane	57	3.256	3.256	0.000	94	348792	25.0	24.0	

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	3.453	3.453	0.000	97	440690	25.0	27.2	
37 Vinyl acetate	43	3.505	3.505	0.000	97	959763	50.0	54.0	
44 2,2-Dichloropropane	77	3.899	3.899	0.000	81	167444	25.0	26.4	
45 cis-1,2-Dichloroethene	96	3.930	3.930	0.000	84	267959	25.0	27.4	
43 2-Butanone (MEK)	43	3.961	3.961	0.000	98	884621	125.0	130.4	
48 Chlorobromomethane	128	4.137	4.137	0.000	96	147429	25.0	26.8	
49 Tetrahydrofuran	42	4.148	4.147	0.001	95	261578	50.0	48.7	
50 Chloroform	83	4.199	4.199	0.000	95	410793	25.0	25.5	
51 1,1,1-Trichloroethane	97	4.293	4.293	0.000	97	329146	25.0	24.7	
52 Cyclohexane	56	4.293	4.293	0.000	94	526250	25.0	25.7	
55 Carbon tetrachloride	117	4.407	4.407	0.000	96	278315	25.0	24.7	
54 1,1-Dichloropropene	75	4.417	4.417	0.000	91	267024	25.0	25.9	
57 Benzene	78	4.583	4.583	0.000	95	782676	25.0	26.4	
53 Isobutyl alcohol	43	4.593	4.593	0.000	93	365846	625.0	708.5	
58 1,2-Dichloroethane	62	4.635	4.635	0.000	96	316757	25.0	24.9	
59 n-Heptane	43	4.717	4.717	0.000	97	373109	25.0	24.3	
62 Trichloroethene	95	5.070	5.070	0.000	94	208836	25.0	26.3	
64 Methylcyclohexane	83	5.163	5.163	0.000	98	397747	25.0	24.6	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	93	208511	25.0	26.4	
67 Dibromomethane	93	5.370	5.370	0.000	95	145988	25.0	25.8	
66 1,4-Dioxane	88	5.381	5.381	0.000	34	45962	500.0	484.3	
68 Dichlorobromomethane	83	5.484	5.484	0.000	98	254100	25.0	25.6	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	91	123735	25.0	26.3	
72 cis-1,3-Dichloropropene	75	5.806	5.806	0.000	92	237244	25.0	25.5	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	1920672	125.0	136.0	
74 Toluene	92	6.034	6.034	0.000	98	472340	25.0	25.2	
77 trans-1,3-Dichloropropene	75	6.241	6.241	0.000	93	186049	25.0	23.3	
75 Ethyl methacrylate	69	6.272	6.262	0.010	95	227681	25.0	30.7	
79 1,1,2-Trichloroethane	83	6.386	6.386	0.000	92	151783	25.0	26.1	
81 Tetrachloroethene	166	6.438	6.438	0.000	95	206959	25.0	24.4	
82 1,3-Dichloropropane	76	6.510	6.510	0.000	97	270465	25.0	24.8	
80 2-Hexanone	43	6.552	6.552	0.000	99	1195391	125.0	143.2	
83 Chlorodibromomethane	129	6.697	6.697	0.000	91	198956	25.0	25.8	
84 Ethylene Dibromide	107	6.780	6.780	0.000	97	186761	25.0	27.1	
87 Chlorobenzene	112	7.132	7.132	0.000	95	552186	25.0	25.3	
88 Ethylbenzene	91	7.194	7.194	0.000	98	957457	25.0	27.2	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	93	212382	25.0	27.6	
90 m-Xylene & p-Xylene	106	7.277	7.277	0.000	96	377475	25.0	27.5	
91 o-Xylene	106	7.598	7.598	0.000	98	392131	25.0	27.2	
92 Styrene	104	7.619	7.619	0.000	96	640078	25.0	27.9	
95 Bromoform	173	7.816	7.816	0.000	96	142539	25.0	29.6	
94 Isopropylbenzene	105	7.889	7.889	0.000	96	1060127	25.0	25.3	
101 Bromobenzene	156	8.168	8.168	0.000	93	265068	25.0	25.6	
97 1,1,2,2-Tetrachloroethane	83	8.189	8.189	0.000	96	332090	25.0	24.2	
100 1,2,3-Trichloropropane	110	8.231	8.220	0.011	91	106859	25.0	22.0	
99 N-Propylbenzene	91	8.220	8.220	0.000	99	1259422	25.0	26.0	
98 trans-1,4-Dichloro-2-butene	53	8.231	8.231	0.000	74	106967	25.0	25.2	
103 2-Chlorotoluene	126	8.303	8.303	0.000	97	264471	25.0	25.5	
102 1,3,5-Trimethylbenzene	105	8.355	8.355	0.000	94	940481	25.0	25.7	
105 4-Chlorotoluene	126	8.396	8.396	0.000	97	262288	25.0	25.3	
106 tert-Butylbenzene	134	8.614	8.614	0.000	93	214876	25.0	23.5	
107 1,2,4-Trimethylbenzene	105	8.666	8.666	0.000	97	966656	25.0	25.6	

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	8.790	8.800	-0.010	94	1220549	25.0	23.0	
110 4-Isopropyltoluene	119	8.915	8.914	0.000	97	1070115	25.0	23.0	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	99	566094	25.0	25.3	
113 1,4-Dichlorobenzene	146	8.997	8.997	0.000	95	582156	25.0	25.1	
115 n-Butylbenzene	91	9.246	9.246	0.000	98	961117	25.0	25.3	
116 1,2-Dichlorobenzene	146	9.308	9.308	0.000	98	576645	25.0	24.8	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	85	74151	25.0	26.0	
119 1,2,4-Trichlorobenzene	180	10.624	10.624	0.000	95	415422	25.0	24.3	
120 Hexachlorobutadiene	225	10.728	10.728	0.000	98	175393	25.0	24.5	
121 Naphthalene	128	10.842	10.842	0.000	97	1404112	25.0	25.6	
122 1,2,3-Trichlorobenzene	180	11.029	11.029	0.000	96	403912	25.0	24.6	

QC Flag Legend

Processing Flags

Reagents:

SS 8260 CORP_00093	Amount Added: 12.50	Units: uL	
SS GAS CORP_00419	Amount Added: 12.50	Units: uL	
C_8260_IS_00157	Amount Added: 2.00	Units: uL	Run Reagent
C_8260_Surr_00174	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7208.D

Injection Date: 01-Sep-2021 23:05:30

Instrument ID: HP5973C

Operator ID: LH

Lims ID: ICV

Worklist Smp#: 37

Client ID:

Purge Vol: 5.000 mL

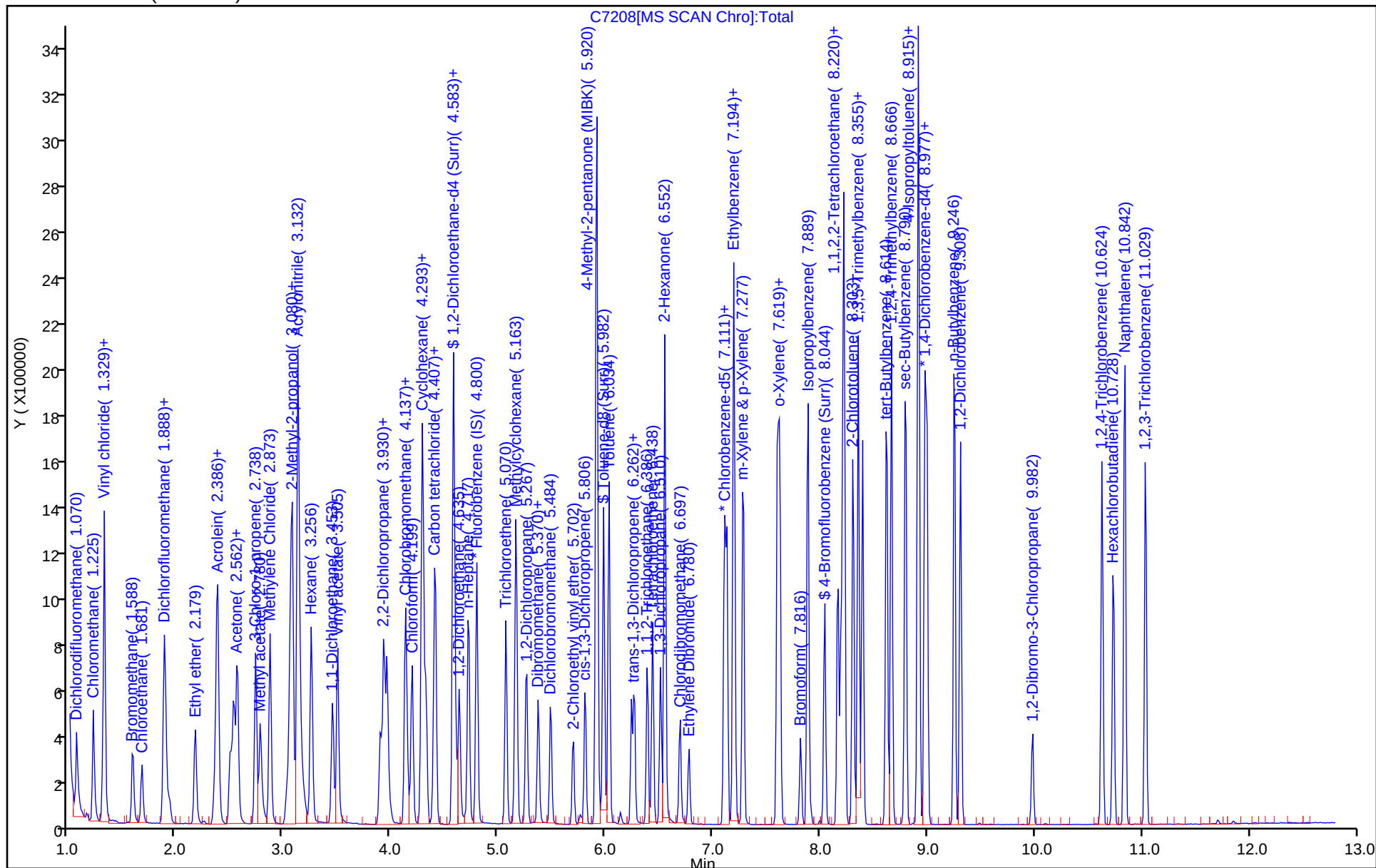
Dil. Factor: 1.0000

ALS Bottle#: 32

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-595662/3 Calibration Date: 09/09/2021 09:01
 Instrument ID: HP5973C Calib Start Date: 09/01/2021 15:06
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 09/01/2021 17:46
 Lab File ID: C7449.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	1.908	1.479	0.1000	19.4	25.0	-22.5	50.0
Chloromethane	Ave	2.785	2.473	0.1000	22.2	25.0	-11.2	20.0
Vinyl chloride	Ave	1.984	1.739	0.1000	21.9	25.0	-12.4	20.0
Butadiene	Ave	2.010	1.848		23.0	25.0	-8.1	20.0
Bromomethane	Ave	1.281	1.008	0.1000	19.7	25.0	-21.4	50.0
Chloroethane	Ave	1.130	0.999	0.1000	22.1	25.0	-11.6	50.0
Dichlorofluoromethane	Ave	2.676	2.401		22.4	25.0	-10.3	20.0
Trichlorofluoromethane	Ave	2.342	1.887	0.1000	20.1	25.0	-19.5	20.0
Ethyl ether	Ave	1.559	1.405		22.5	25.0	-9.9	20.0
Acrolein	Ave	0.0932	0.0654		87.6	125	-29.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.126	0.1000	17.2	25.0	-31.3*	20.0
1,1-Dichloroethene	Ave	1.400	1.247	0.1000	22.3	25.0	-10.9	20.0
Acetone	Ave	0.9337	0.6887	0.1000	92.2	125	-26.2	50.0
Iodomethane	Ave	2.713	2.529		23.3	25.0	-6.8	20.0
Carbon disulfide	Lin1		3.970	0.1000	18.5	25.0	-26.0*	20.0
Allyl chloride	Ave	3.068	2.689		21.9	25.0	-12.4	20.0
Methyl acetate	Ave	2.102	1.685	0.1000	40.1	50.0	-19.8	50.0
Methylene Chloride	Lin1		1.591	0.1000	21.1	25.0	-15.4	20.0
2-Methyl-2-propanol	Ave	0.2090	0.1681		201	250	-19.5	50.0
Methyl tert-butyl ether	Ave	4.452	4.173	0.1000	23.4	25.0	-6.3	20.0
trans-1,2-Dichloroethene	Ave	1.599	1.485	0.1000	23.2	25.0	-7.1	20.0
Acrylonitrile	Ave	1.185	0.9004		190	250	-24.0*	20.0
Hexane	Lin1		1.978		19.0	25.0	-24.1*	20.0
1,1-Dichloroethane	Ave	2.915	2.741	0.2000	23.5	25.0	-5.9	20.0
Vinyl acetate	Ave	3.202	3.517		54.9	50.0	9.8	20.0
2,2-Dichloropropane	Lin1		1.050		23.0	25.0	-7.9	20.0
cis-1,2-Dichloroethene	Ave	1.764	1.640	0.1000	23.2	25.0	-7.0	20.0
2-Butanone (MEK)	Ave	1.222	1.119	0.1000	114	125	-8.4	20.0
Chlorobromomethane	Ave	0.9892	0.9622		24.3	25.0	-2.7	20.0
Tetrahydrofuran	Ave	0.9679	0.7127		36.8	50.0	-26.4*	20.0
Chloroform	Ave	2.903	2.573	0.2000	22.2	25.0	-11.3	20.0
1,1,1-Trichloroethane	Lin1		1.884	0.1000	19.7	25.0	-21.1*	20.0
Cyclohexane	Lin1		2.515	0.1000	17.2	25.0	-31.0*	20.0
Carbon tetrachloride	Lin1		1.460	0.1000	18.1	25.0	-27.5*	20.0
1,1-Dichloropropene	Ave	1.860	1.807		24.3	25.0	-2.8	20.0
Benzene	Ave	5.337	5.012	0.5000	23.5	25.0	-6.1	20.0
Isobutyl alcohol	Lin1		0.0805		544	625	-13.0	50.0
1,2-Dichloroethane	Ave	2.292	2.082	0.1000	22.7	25.0	-9.2	20.0
n-Heptane	Ave	2.768	2.295		20.7	25.0	-17.1	20.0
Trichloroethene	Ave	1.429	1.408	0.2000	24.6	25.0	-1.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Lab Sample ID: CCVIS 480-595662/3 Calibration Date: 09/09/2021 09:01

Instrument ID: HP5973C Calib Start Date: 09/01/2021 15:06

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 09/01/2021 17:46

Lab File ID: C7449.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	Lin1		2.035	0.1000	17.7	25.0	-29.3*	20.0
1,2-Dichloropropane	Ave	1.425	1.392	0.1000	24.4	25.0	-2.4	20.0
Dibromomethane	Ave	1.021	0.9594	0.1000	23.5	25.0	-6.0	20.0
1,4-Dioxane	Lin1		0.0089		543	500	8.6	50.0
Bromodichloromethane	Ave	1.789	1.562	0.2000	21.8	25.0	-12.7	20.0
2-Chloroethyl vinyl ether	Ave	0.8490	0.8453		24.9	25.0	-0.4	20.0
cis-1,3-Dichloropropene	Ave	1.675	1.727	0.2000	25.8	25.0	3.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.215	1.088	0.1000	112	125	-10.5	20.0
Toluene	Ave	1.610	1.616	0.4000	25.1	25.0	0.4	20.0
trans-1,3-Dichloropropene	Lin1		0.7179	0.1000	26.1	25.0	4.3	20.0
Ethyl methacrylate	Ave	0.6377	0.7443		29.2	25.0	16.7	20.0
1,1,2-Trichloroethane	Ave	0.4996	0.4932	0.1000	24.7	25.0	-1.3	20.0
Tetrachloroethene	Lin1		0.6866	0.2000	23.5	25.0	-5.9	20.0
1,3-Dichloropropane	Ave	0.9371	0.9610		25.6	25.0	2.6	20.0
2-Hexanone	Ave	0.7180	0.8284	0.1000	144	125	15.4	20.0
Dibromochloromethane	Ave	0.6629	0.5801	0.1000	21.9	25.0	-12.5	20.0
1,2-Dibromoethane	Ave	0.5925	0.6356		26.8	25.0	7.3	20.0
Chlorobenzene	Ave	1.879	1.922	0.5000	25.6	25.0	2.3	20.0
Ethylbenzene	Ave	3.028	3.009	0.1000	24.8	25.0	-0.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6612	0.5947		22.5	25.0	-10.1	20.0
m,p-Xylene	Ave	1.181	1.217	0.1000	25.8	25.0	3.1	20.0
o-Xylene	Ave	1.240	1.245	0.3000	25.1	25.0	0.4	20.0
Styrene	Ave	1.976	1.978	0.3000	25.0	25.0	0.1	20.0
Bromoform	Ave	0.4148	0.3820	0.1000	23.0	25.0	-7.9	50.0
Isopropylbenzene	Ave	2.684	2.708	0.1000	25.2	25.0	0.9	20.0
Bromobenzene	Ave	0.6630	0.6900		26.0	25.0	4.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8778	0.8420	0.3000	24.0	25.0	-4.1	20.0
N-Propylbenzene	Ave	3.102	3.107		25.0	25.0	0.2	20.0
1,2,3-Trichloropropane	Ave	0.3102	0.2812		22.7	25.0	-9.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2717	0.2411		22.2	25.0	-11.3	50.0
2-Chlorotoluene	Ave	0.6622	0.7079		26.7	25.0	6.9	20.0
1,3,5-Trimethylbenzene	Ave	2.337	2.283		24.4	25.0	-2.3	20.0
4-Chlorotoluene	Ave	0.6642	0.7014		26.4	25.0	5.6	20.0
tert-Butylbenzene	Lin1		0.5213		22.3	25.0	-10.8	20.0
1,2,4-Trimethylbenzene	Ave	2.418	2.375		24.6	25.0	-1.8	20.0
sec-Butylbenzene	Lin1		2.962		21.8	25.0	-12.8	20.0
4-Isopropyltoluene	Lin1		2.645		22.2	25.0	-11.2	20.0
1,3-Dichlorobenzene	Ave	1.432	1.421	0.6000	24.8	25.0	-0.7	20.0
1,4-Dichlorobenzene	Ave	1.482	1.443	0.5000	24.3	25.0	-2.6	20.0
n-Butylbenzene	Ave	2.433	2.300		23.6	25.0	-5.5	20.0
1,2-Dichlorobenzene	Ave	1.485	1.434	0.4000	24.1	25.0	-3.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-595662/3 Calibration Date: 09/09/2021 09:01
 Instrument ID: HP5973C Calib Start Date: 09/01/2021 15:06
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 09/01/2021 17:46
 Lab File ID: C7449.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	0.1827	0.1619	0.0500	22.1	25.0	-11.4	50.0
1,2,4-Trichlorobenzene	Ave	1.093	1.025	0.2000	23.4	25.0	-6.2	20.0
Hexachlorobutadiene	Ave	0.4585	0.4368		23.8	25.0	-4.7	20.0
Naphthalene	Ave	3.506	3.190		22.7	25.0	-9.0	20.0
1,2,3-Trichlorobenzene	Ave	1.051	0.9752		23.2	25.0	-7.2	20.0
Dibromofluoromethane (Surr)	Ave	1.627	1.665		25.6	25.0	2.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8932	0.8603		24.1	25.0	-3.7	20.0
Toluene-d8 (Surr)	Ave	2.295	2.435		26.5	25.0	6.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7199	0.7769		27.0	25.0	7.9	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7449.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 09-Sep-2021 09:01:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0100868-003
 Operator ID: OI/AK Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Sep-2021 11:13:41 Calib Date: 01-Sep-2021 21:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7205.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1659

First Level Reviewer: kiwana

Date: 09-Sep-2021 11:13:41

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	4.800	4.800	0.000	99	153880	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	85	309396	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.977	8.977	0.000	94	369303	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	256272	25.0	25.6	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.583	0.000	95	132378	25.0	24.1	
\$ 5 Toluene-d8 (Surr)	98	5.982	5.982	0.000	93	753319	25.0	26.5	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.044	8.044	0.000	96	240364	25.0	27.0	
10 Dichlorodifluoromethane	85	1.080	1.080	0.000	99	227605	25.0	19.4	
12 Chloromethane	50	1.236	1.236	0.000	99	380494	25.0	22.2	
13 Vinyl chloride	62	1.329	1.329	0.000	97	267569	25.0	21.9	
151 Butadiene	54	1.339	1.339	0.000	91	284336	25.0	23.0	
14 Bromomethane	94	1.609	1.609	0.000	91	155057	25.0	19.7	
15 Chloroethane	64	1.691	1.691	0.000	98	153715	25.0	22.1	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	96	369434	25.0	22.4	
17 Trichlorofluoromethane	101	1.909	1.909	0.000	97	290311	25.0	20.1	
18 Ethyl ether	59	2.179	2.179	0.000	97	216244	25.0	22.5	
20 Acrolein	56	2.355	2.355	0.000	98	50289	125.0	87.6	
21 112TCTFE	101	2.386	2.386	0.000	93	173303	25.0	17.2	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	95	191840	25.0	22.3	
23 Acetone	43	2.510	2.510	0.000	99	529863	125.0	92.2	
25 Iodomethane	142	2.552	2.552	0.000	99	389129	25.0	23.3	
26 Carbon disulfide	76	2.583	2.583	0.000	100	610831	25.0	18.5	
28 3-Chloro-1-propene	41	2.749	2.749	0.000	91	413742	25.0	21.9	
27 Methyl acetate	43	2.790	2.790	0.000	100	518574	50.0	40.1	
30 Methylene Chloride	84	2.883	2.883	0.000	97	244856	25.0	21.1	
31 2-Methyl-2-propanol	59	3.039	3.039	0.000	97	258690	250.0	201.1	
32 Methyl tert-butyl ether	73	3.070	3.070	0.000	99	642190	25.0	23.4	
34 trans-1,2-Dichloroethene	96	3.090	3.090	0.000	94	228560	25.0	23.2	
33 Acrylonitrile	53	3.142	3.142	0.000	99	1385611	250.0	189.9	
35 Hexane	57	3.267	3.267	0.000	95	304420	25.0	19.0	

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	3.464	3.464	0.000	96	421822	25.0	23.5	
37 Vinyl acetate	43	3.505	3.505	0.000	97	1082356	50.0	54.9	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	90	161575	25.0	23.0	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	81	252404	25.0	23.2	
43 2-Butanone (MEK)	43	3.971	3.971	0.000	98	860748	125.0	114.5	
48 Chlorobromomethane	128	4.137	4.137	0.000	97	148063	25.0	24.3	
49 Tetrahydrofuran	42	4.148	4.148	0.000	92	219338	50.0	36.8	M
50 Chloroform	83	4.199	4.199	0.000	95	396000	25.0	22.2	
51 1,1,1-Trichloroethane	97	4.293	4.293	0.000	98	289922	25.0	19.7	
52 Cyclohexane	56	4.303	4.303	0.000	95	387045	25.0	17.2	
55 Carbon tetrachloride	117	4.407	4.407	0.000	96	224663	25.0	18.1	
54 1,1-Dichloropropene	75	4.417	4.417	0.000	94	278135	25.0	24.3	
57 Benzene	78	4.583	4.583	0.000	98	771217	25.0	23.5	
53 Isobutyl alcohol	43	4.593	4.593	0.000	95	309865	625.0	543.8	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	96	320415	25.0	22.7	
59 n-Heptane	43	4.728	4.728	0.000	97	353112	25.0	20.7	
62 Trichloroethene	95	5.080	5.080	0.000	95	216662	25.0	24.6	
64 Methylcyclohexane	83	5.173	5.173	0.000	95	313087	25.0	17.7	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	93	214125	25.0	24.4	
67 Dibromomethane	93	5.370	5.370	0.000	95	147628	25.0	23.5	
66 1,4-Dioxane	88	5.381	5.381	0.000	39	54928	500.0	543.2	
68 Dichlorobromomethane	83	5.495	5.495	0.000	98	240330	25.0	21.8	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	92	130071	25.0	24.9	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	92	265802	25.0	25.8	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	1682972	125.0	111.9	
74 Toluene	92	6.034	6.034	0.000	98	500082	25.0	25.1	
77 trans-1,3-Dichloropropene	75	6.241	6.241	0.000	98	222130	25.0	26.1	
75 Ethyl methacrylate	69	6.272	6.272	0.000	94	230278	25.0	29.2	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	92	152592	25.0	24.7	
81 Tetrachloroethene	166	6.448	6.448	0.000	97	212431	25.0	23.5	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	95	297342	25.0	25.6	
80 2-Hexanone	43	6.552	6.552	0.000	99	1281516	125.0	144.2	
83 Chlorodibromomethane	129	6.697	6.697	0.000	91	179474	25.0	21.9	
84 Ethylene Dibromide	107	6.780	6.780	0.000	97	196653	25.0	26.8	
87 Chlorobenzene	112	7.132	7.132	0.000	96	594760	25.0	25.6	
88 Ethylbenzene	91	7.194	7.194	0.000	99	930855	25.0	24.8	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	91	183996	25.0	22.5	
90 m-Xylene & p-Xylene	106	7.288	7.288	0.000	96	376529	25.0	25.8	
91 o-Xylene	106	7.609	7.609	0.000	97	385320	25.0	25.1	
92 Styrene	104	7.629	7.629	0.000	96	611965	25.0	25.0	
95 Bromoform	173	7.826	7.826	0.000	97	118188	25.0	23.0	
94 Isopropylbenzene	105	7.889	7.889	0.000	96	1000243	25.0	25.2	
101 Bromobenzene	156	8.168	8.168	0.000	92	254825	25.0	26.0	
97 1,1,2,2-Tetrachloroethane	83	8.199	8.199	0.000	96	310948	25.0	24.0	
99 N-Propylbenzene	91	8.220	8.220	0.000	98	1147578	25.0	25.0	
98 trans-1,4-Dichloro-2-butene	53	8.231	8.231	0.000	75	89043	25.0	22.2	
100 1,2,3-Trichloropropane	110	8.231	8.231	0.000	90	103863	25.0	22.7	
103 2-Chlorotoluene	126	8.313	8.313	0.000	98	261424	25.0	26.7	
102 1,3,5-Trimethylbenzene	105	8.355	8.355	0.000	95	843237	25.0	24.4	
105 4-Chlorotoluene	126	8.396	8.396	0.000	97	259033	25.0	26.4	
106 tert-Butylbenzene	134	8.624	8.624	0.000	93	192511	25.0	22.3	
107 1,2,4-Trimethylbenzene	105	8.666	8.666	0.000	96	877076	25.0	24.6	

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	8.801	8.801	0.000	94	1093861	25.0	21.8	
110 4-Isopropyltoluene	119	8.915	8.915	0.000	97	976764	25.0	22.2	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	99	524951	25.0	24.8	
113 1,4-Dichlorobenzene	146	8.997	8.997	0.000	95	532839	25.0	24.3	
115 n-Butylbenzene	91	9.256	9.256	0.000	98	849383	25.0	23.6	
116 1,2-Dichlorobenzene	146	9.308	9.308	0.000	98	529644	25.0	24.1	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	83	59777	25.0	22.1	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	95	378587	25.0	23.4	
120 Hexachlorobutadiene	225	10.738	10.738	0.000	97	161327	25.0	23.8	
121 Naphthalene	128	10.842	10.842	0.000	97	1177979	25.0	22.7	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	97	360154	25.0	23.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00212

Amount Added: 12.50

Units: uL

GAS CORP mix_00471

Amount Added: 12.50

Units: uL

C_8260_Surr_00174

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_IS_00157

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7449.D

Injection Date: 09-Sep-2021 09:01:30

Instrument ID: HP5973C

Operator ID: OI/AK

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

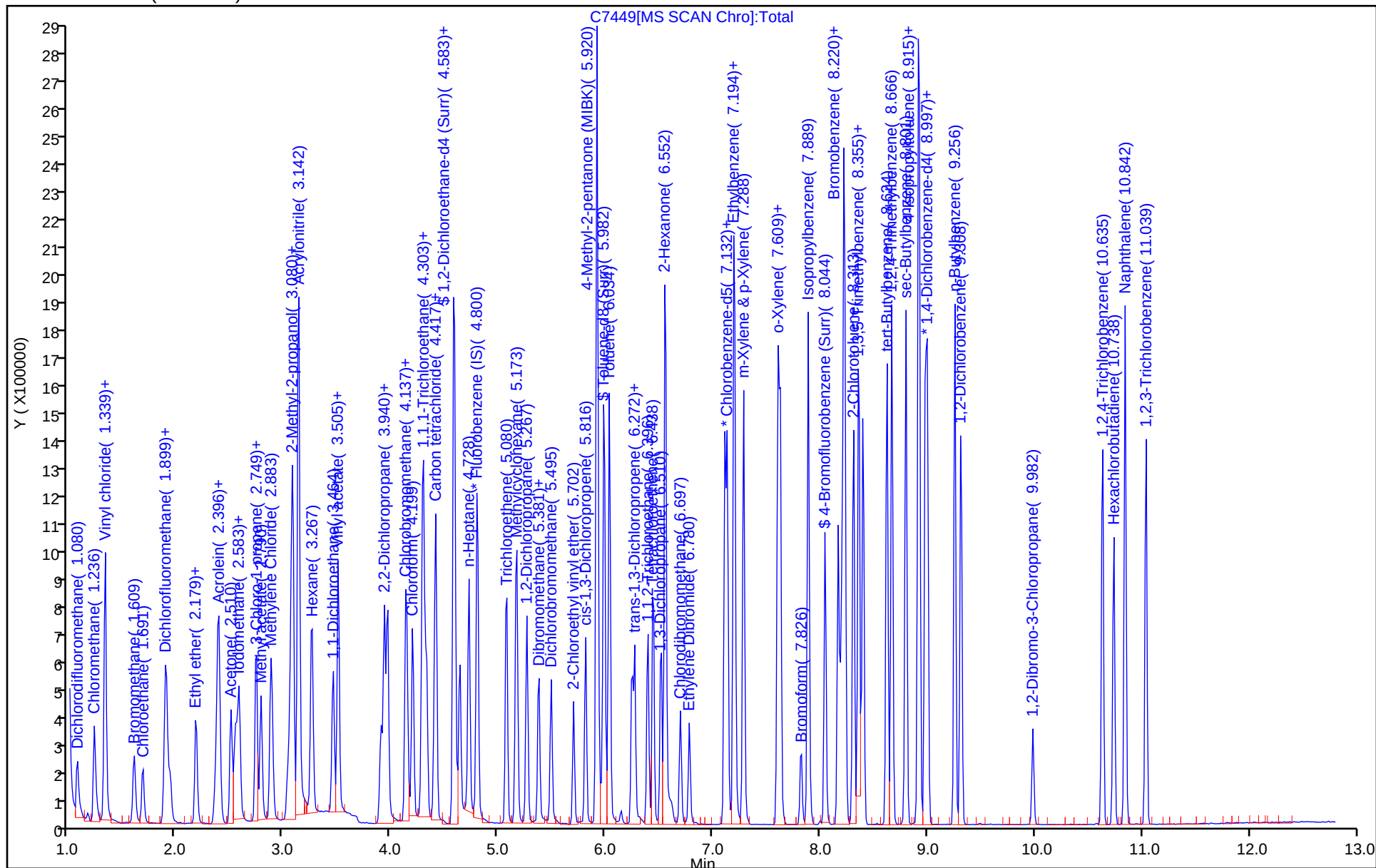
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

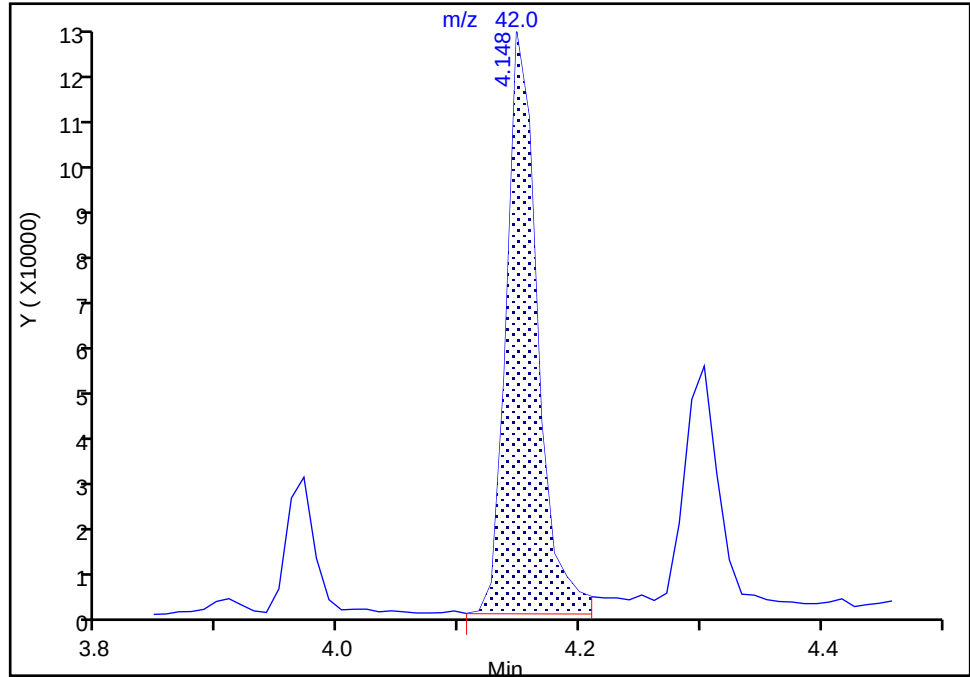
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7449.D
Injection Date: 09-Sep-2021 09:01:30 Instrument ID: HP5973C
Lims ID: CCVIS
Client ID:
Operator ID: OI/AK ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

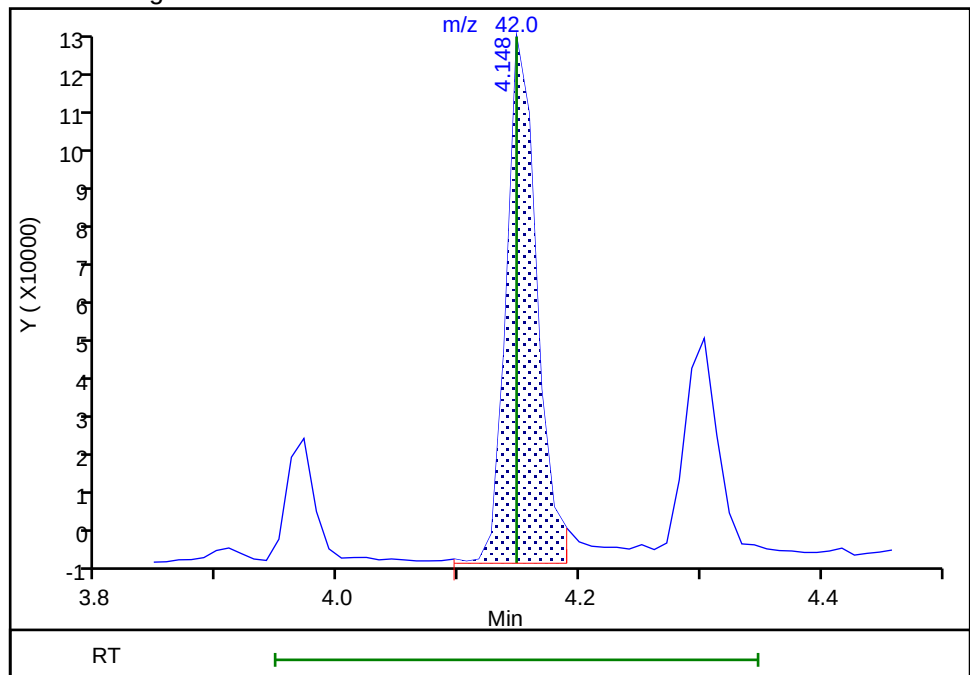
RT: 4.15
Area: 221849
Amount: 37.239284
Amount Units: ug/L

Processing Integration Results



RT: 4.15
Area: 219338
Amount: 36.817790
Amount Units: ug/L

Manual Integration Results



Reviewer: kiwana, 09-Sep-2021 11:13:19
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Lab Sample ID: ICV 480-594200/28 Calibration Date: 08/26/2021 20:46

Instrument ID: HP5973N Calib Start Date: 08/26/2021 12:40

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 08/26/2021 15:22

Lab File ID: N5373.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	1.219	1.165	0.1000	23.9	25.0	-4.5	50.0
Chloromethane	Ave	2.925	2.790	0.1000	23.8	25.0	-4.6	30.0
Vinyl chloride	Ave	1.877	1.931	0.1000	25.7	25.0	2.9	30.0
Butadiene	Ave	2.404	2.422		25.2	25.0	0.8	30.0
Bromomethane	Ave	1.017	0.9466	0.1000	23.3	25.0	-6.9	50.0
Chloroethane	Ave	1.242	1.129	0.1000	22.7	25.0	-9.1	50.0
Dichlorofluoromethane	Ave	2.383	2.342		24.6	25.0	-1.7	30.0
Trichlorofluoromethane	Ave	1.842	1.849	0.1000	25.1	25.0	0.4	30.0
Ethyl ether	Ave	1.736	1.717		24.7	25.0	-1.1	30.0
Acrolein	Ave	0.0985	0.0920		117	125	-6.6	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.104	1.157	0.1000	26.2	25.0	4.8	30.0
1,1-Dichloroethene	Ave	1.176	1.152	0.1000	24.5	25.0	-2.0	30.0
Acetone	Ave	0.8145	0.7387	0.1000	113	125	-9.3	50.0
Iodomethane	Ave	2.040	2.079		25.5	25.0	1.9	30.0
Carbon disulfide	Ave	3.647	3.819	0.1000	26.2	25.0	4.7	30.0
Allyl chloride	Ave	4.159	3.976		23.9	25.0	-4.4	30.0
Methyl acetate	Ave	2.424	2.251	0.1000	46.5	50.0	-7.1	50.0
Methylene Chloride	Lin1		1.320	0.1000	25.0	25.0	0.1	30.0
2-Methyl-2-propanol	Ave	0.2376	0.1919		202	250	-19.2	50.0
Methyl tert-butyl ether	Ave	4.393	4.266	0.1000	24.3	25.0	-2.9	30.0
trans-1,2-Dichloroethene	Ave	1.324	1.336	0.1000	25.2	25.0	0.9	30.0
Acrylonitrile	Ave	1.164	1.062		228	250	-8.8	30.0
Hexane	Ave	2.811	2.872		25.5	25.0	2.2	30.0
1,1-Dichloroethane	Ave	2.911	3.040	0.2000	26.1	25.0	4.4	30.0
Vinyl acetate	Ave	6.068	5.813		47.9	50.0	-4.2	30.0
2,2-Dichloropropane	Ave	1.203	1.196		24.8	25.0	-0.6	30.0
cis-1,2-Dichloroethene	Ave	1.493	1.512	0.1000	25.3	25.0	1.2	30.0
2-Butanone (MEK)	Ave	1.479	1.326	0.1000	112	125	-10.3	30.0
Chlorobromomethane	Ave	0.7973	0.7588		23.8	25.0	-4.8	30.0
Tetrahydrofuran	Ave	1.064	0.9800		46.1	50.0	-7.9	30.0
Chloroform	Ave	2.383	2.299	0.2000	24.1	25.0	-3.5	30.0
1,1,1-Trichloroethane	Ave	1.911	1.957	0.1000	25.6	25.0	2.4	30.0
Cyclohexane	Ave	3.465	3.564	0.1000	25.7	25.0	2.9	30.0
Carbon tetrachloride	Ave	1.768	1.806	0.1000	25.5	25.0	2.2	30.0
1,1-Dichloropropene	Ave	1.761	1.849		26.3	25.0	5.0	30.0
Benzene	Ave	5.326	5.354	0.5000	25.1	25.0	0.5	30.0
Isobutyl alcohol	Ave	0.1589	0.1434		564	625	-9.8	50.0
1,2-Dichloroethane	Ave	2.428	2.353	0.1000	24.2	25.0	-3.1	30.0
n-Heptane	Ave	3.701	3.457		23.3	25.0	-6.6	30.0
Trichloroethene	Ave	1.297	1.356	0.2000	26.1	25.0	4.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Lab Sample ID: ICV 480-594200/28 Calibration Date: 08/26/2021 20:46

Instrument ID: HP5973N Calib Start Date: 08/26/2021 12:40

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 08/26/2021 15:22

Lab File ID: N5373.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	2.232	2.350	0.1000	26.3	25.0	5.3	30.0
1,2-Dichloropropane	Ave	1.635	1.617	0.1000	24.7	25.0	-1.1	30.0
1,4-Dioxane	Ave	0.0044	0.0037		423	500	-15.3	50.0
Dibromomethane	Ave	0.8975	0.8616	0.1000	24.0	25.0	-4.0	30.0
Bromodichloromethane	Ave	1.705	1.722	0.2000	25.2	25.0	1.0	30.0
2-Chloroethyl vinyl ether	Ave	1.030	1.063		25.8	25.0	3.3	30.0
cis-1,3-Dichloropropene	Ave	2.100	2.109	0.2000	25.1	25.0	0.4	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2564	0.2431	0.1000	119	125	-5.2	30.0
Toluene	Ave	0.9083	0.9226	0.4000	25.4	25.0	1.6	30.0
trans-1,3-Dichloropropene	Ave	0.5368	0.5295	0.1000	24.7	25.0	-1.4	30.0
Ethyl methacrylate	Ave	0.4555	0.4709		25.8	25.0	3.4	30.0
1,1,2-Trichloroethane	Ave	0.2622	0.2577	0.1000	24.6	25.0	-1.7	30.0
Tetrachloroethene	Ave	0.3683	0.3932	0.2000	26.7	25.0	6.8	30.0
1,3-Dichloropropane	Ave	0.5175	0.5482		26.5	25.0	5.9	30.0
2-Hexanone	Ave	0.5054	0.4811	0.1000	119	125	-4.8	30.0
Dibromochloromethane	Ave	0.3435	0.3629	0.1000	26.4	25.0	5.6	30.0
1,2-Dibromoethane	Ave	0.3234	0.3315		25.6	25.0	2.5	30.0
Chlorobenzene	Ave	0.9853	1.034	0.5000	26.2	25.0	4.9	30.0
Ethylbenzene	Ave	1.657	1.665	0.1000	25.1	25.0	0.5	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3723	0.3917		26.3	25.0	5.2	30.0
m,p-Xylene	Ave	0.6326	0.6278	0.1000	24.8	25.0	-0.8	30.0
o-Xylene	Ave	0.6092	0.6320	0.3000	25.9	25.0	3.7	30.0
Styrene	Ave	1.044	1.066	0.3000	25.5	25.0	2.2	30.0
Bromoform	Ave	0.2435	0.2465	0.1000	25.3	25.0	1.2	50.0
Isopropylbenzene	Ave	3.080	3.219	0.1000	26.1	25.0	4.5	30.0
Bromobenzene	Ave	0.7747	0.8138		26.3	25.0	5.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8266	0.8312	0.3000	25.1	25.0	0.6	30.0
N-Propylbenzene	Ave	3.619	3.742		25.8	25.0	3.4	30.0
1,2,3-Trichloropropane	Ave	0.2439	0.2496		25.6	25.0	2.4	30.0
trans-1,4-Dichloro-2-butene	Ave	0.4361	0.4252		24.4	25.0	-2.5	50.0
2-Chlorotoluene	Ave	0.7091	0.7479		26.4	25.0	5.5	30.0
1,3,5-Trimethylbenzene	Ave	2.488	2.631		26.4	25.0	5.7	30.0
4-Chlorotoluene	Ave	2.268	2.294		25.3	25.0	1.1	30.0
tert-Butylbenzene	Ave	0.5585	0.5956		26.7	25.0	6.6	30.0
1,2,4-Trimethylbenzene	Ave	2.545	2.706		26.6	25.0	6.3	30.0
sec-Butylbenzene	Ave	3.185	3.359		26.4	25.0	5.4	30.0
1,3-Dichlorobenzene	Ave	1.488	1.562	0.6000	26.2	25.0	5.0	30.0
4-Isopropyltoluene	Ave	2.879	3.045		26.4	25.0	5.8	30.0
1,4-Dichlorobenzene	Ave	1.530	1.582	0.5000	25.9	25.0	3.4	30.0
n-Butylbenzene	Ave	2.523	2.604		25.8	25.0	3.2	30.0
1,2-Dichlorobenzene	Ave	1.499	1.551	0.4000	25.9	25.0	3.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Lab Sample ID: ICV 480-594200/28 Calibration Date: 08/26/2021 20:46
 Instrument ID: HP5973N Calib Start Date: 08/26/2021 12:40
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 08/26/2021 15:22
 Lab File ID: N5373.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	0.2027	0.1816	0.0500	22.4	25.0	-10.4	50.0
1,2,4-Trichlorobenzene	Ave	1.081	1.118	0.2000	25.9	25.0	3.4	30.0
Hexachlorobutadiene	Ave	0.5135	0.4851		23.6	25.0	-5.5	30.0
Naphthalene	Ave	2.995	3.139		26.2	25.0	4.8	30.0
1,2,3-Trichlorobenzene	Ave	1.066	1.089		25.5	25.0	2.2	30.0
Dibromofluoromethane (Surr)	Ave	1.287	1.266		24.6	25.0	-1.6	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.649	1.643		24.9	25.0	-0.4	30.0
Toluene-d8 (Surr)	Ave	1.238	1.266		25.6	25.0	2.3	30.0
4-Bromofluorobenzene (Surr)	Ave	0.3825	0.3957		25.9	25.0	3.5	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5373.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 26-Aug-2021 20:46:30 ALS Bottle#: 28 Worklist Smp#: 28
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICV
 Misc. Info.: 480-0100628-028
 Operator ID: LH Instrument ID: HP5973N
 Sublist:
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 27-Aug-2021 10:05:13 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: HillL

Date: 27-Aug-2021 10:02:01

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	5.412	5.412	0.000	97	160753	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.405	0.000	89	589311	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	95	315024	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.828	0.006	93	203578	25.0	24.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.145	5.139	0.006	62	264063	25.0	24.9	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.915	0.006	96	745950	25.0	25.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	90	233184	25.0	25.9	
11 Dichlorodifluoromethane	85	1.276	1.275	0.001	98	187237	25.0	23.9	
13 Chloromethane	50	1.446	1.446	0.000	98	448461	25.0	23.8	
14 Vinyl chloride	62	1.543	1.543	0.000	98	310411	25.0	25.7	
144 Butadiene	54	1.549	1.549	0.000	97	389379	25.0	25.2	
15 Bromomethane	94	1.847	1.853	-0.006	90	152174	25.0	23.3	
16 Chloroethane	64	1.933	1.926	0.007	96	181478	25.0	22.7	
17 Dichlorofluoromethane	67	2.152	2.152	0.000	95	376432	25.0	24.6	
18 Trichlorofluoromethane	101	2.158	2.164	-0.006	64	297154	25.0	25.1	
19 Ethyl ether	59	2.431	2.437	-0.006	94	275936	25.0	24.7	
20 Acrolein	56	2.614	2.614	0.000	99	73936	125.0	116.8	M
21 112TCTFE	101	2.650	2.644	0.006	65	186011	25.0	26.2	
22 1,1-Dichloroethene	96	2.656	2.656	0.000	91	185185	25.0	24.5	
23 Acetone	43	2.772	2.772	0.000	98	593780	125.0	113.4	
24 Iodomethane	142	2.821	2.827	-0.006	98	334139	25.0	25.5	
25 Carbon disulfide	76	2.857	2.857	0.000	98	613876	25.0	26.2	
27 3-Chloro-1-propene	41	3.022	3.015	0.007	88	639214	25.0	23.9	
28 Methyl acetate	43	3.070	3.070	0.000	100	723867	50.0	46.5	
30 Methylene Chloride	84	3.168	3.167	0.001	88	212264	25.0	25.0	
31 2-Methyl-2-propanol	59	3.338	3.344	-0.006	99	308543	250.0	201.9	
32 Methyl tert-butyl ether	73	3.374	3.374	0.000	96	685722	25.0	24.3	
33 trans-1,2-Dichloroethene	96	3.393	3.393	0.000	90	214786	25.0	25.2	
34 Acrylonitrile	53	3.447	3.447	0.000	98	1707446	250.0	228.0	
35 Hexane	57	3.587	3.587	0.000	96	461682	25.0	25.5	

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	3.812	3.806	0.006	96	488714	25.0	26.1	
39 Vinyl acetate	43	3.861	3.867	-0.006	96	1868876	50.0	47.9	
42 2,2-Dichloropropane	77	4.329	4.323	0.006	89	192226	25.0	24.8	
43 cis-1,2-Dichloroethene	96	4.360	4.360	0.000	85	243038	25.0	25.3	
44 2-Butanone (MEK)	43	4.402	4.402	0.000	96	1066104	125.0	112.1	
47 Chlorobromomethane	128	4.597	4.597	0.000	84	121985	25.0	23.8	
49 Tetrahydrofuran	42	4.615	4.621	-0.006	92	315089	50.0	46.1	
50 Chloroform	83	4.676	4.676	0.000	94	369634	25.0	24.1	
51 1,1,1-Trichloroethane	97	4.786	4.786	0.000	97	314650	25.0	25.6	
52 Cyclohexane	56	4.792	4.792	0.000	94	572987	25.0	25.7	
53 Carbon tetrachloride	117	4.926	4.920	0.006	95	290287	25.0	25.5	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	86	297200	25.0	26.3	
55 Benzene	78	5.139	5.139	0.000	91	860713	25.0	25.1	
56 Isobutyl alcohol	43	5.169	5.169	0.000	97	576196	625.0	563.9	M
57 1,2-Dichloroethane	62	5.212	5.212	0.000	94	378284	25.0	24.2	
59 n-Heptane	43	5.321	5.321	0.000	95	555659	25.0	23.3	
60 Trichloroethene	95	5.753	5.747	0.006	93	217943	25.0	26.1	
62 Methylcyclohexane	83	5.869	5.869	0.000	94	377787	25.0	26.3	
63 1,2-Dichloropropane	63	5.996	5.990	0.006	88	259862	25.0	24.7	
64 Dibromomethane	93	6.130	6.130	0.000	95	138512	25.0	24.0	
66 1,4-Dioxane	88	6.130	6.136	-0.006	38	43854	500.0	423.3	M
67 Dichlorobromomethane	83	6.282	6.282	0.000	95	276749	25.0	25.2	
69 2-Chloroethyl vinyl ether	63	6.562	6.562	0.000	86	170948	25.0	25.8	
71 cis-1,3-Dichloropropene	75	6.696	6.696	0.000	85	339073	25.0	25.1	
72 4-Methyl-2-pentanone (MIBK)	58	6.848	6.842	0.006	97	716238	125.0	118.5	
73 Toluene	92	6.982	6.982	0.000	97	543697	25.0	25.4	
75 trans-1,3-Dichloropropene	75	7.268	7.268	0.000	94	312047	25.0	24.7	
77 Ethyl methacrylate	69	7.310	7.316	-0.006	88	277487	25.0	25.8	
78 1,1,2-Trichloroethane	83	7.463	7.456	0.006	93	151886	25.0	24.6	
79 Tetrachloroethene	166	7.511	7.517	-0.006	96	231720	25.0	26.7	
80 1,3-Dichloropropane	76	7.621	7.621	0.000	91	323069	25.0	26.5	
82 2-Hexanone	43	7.688	7.688	0.000	98	1417656	125.0	119.0	
83 Chlorodibromomethane	129	7.852	7.852	0.000	90	213855	25.0	26.4	
84 Ethylene Dibromide	107	7.955	7.955	0.000	99	195370	25.0	25.6	
85 Chlorobenzene	112	8.436	8.430	0.006	94	609225	25.0	26.2	
88 Ethylbenzene	91	8.521	8.521	0.000	98	981438	25.0	25.1	
89 1,1,1,2-Tetrachloroethane	131	8.533	8.533	0.000	93	230854	25.0	26.3	
90 m-Xylene & p-Xylene	106	8.649	8.649	0.000	98	369955	25.0	24.8	
91 o-Xylene	106	9.075	9.075	0.000	98	372420	25.0	25.9	
92 Styrene	104	9.105	9.105	0.000	93	628222	25.0	25.5	
93 Bromoform	173	9.355	9.354	0.000	96	145271	25.0	25.3	
95 Isopropylbenzene	105	9.458	9.458	0.000	97	1014085	25.0	26.1	
97 Bromobenzene	156	9.805	9.805	0.000	91	256353	25.0	26.3	
98 1,1,2,2-Tetrachloroethane	83	9.866	9.866	0.000	93	261863	25.0	25.1	
100 N-Propylbenzene	91	9.890	9.884	0.006	99	1178807	25.0	25.8	
99 1,2,3-Trichloropropane	110	9.896	9.896	0.000	92	78629	25.0	25.6	
101 trans-1,4-Dichloro-2-butene	53	9.914	9.914	0.000	85	133948	25.0	24.4	
102 2-Chlorotoluene	126	9.993	9.987	0.006	96	235613	25.0	26.4	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	95	828716	25.0	26.4	
105 4-Chlorotoluene	91	10.103	10.103	0.000	98	722513	25.0	25.3	
106 tert-Butylbenzene	134	10.383	10.383	0.000	96	187627	25.0	26.7	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	98	852540	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	10.596	10.596	0.000	95	1058038	25.0	26.4	
110 1,3-Dichlorobenzene	146	10.729	10.729	0.000	97	492174	25.0	26.2	
111 4-Isopropyltoluene	119	10.735	10.735	0.000	98	959405	25.0	26.4	
113 1,4-Dichlorobenzene	146	10.821	10.821	0.000	95	498450	25.0	25.9	
115 n-Butylbenzene	91	11.125	11.119	0.006	98	820290	25.0	25.8	
116 1,2-Dichlorobenzene	146	11.173	11.167	0.006	97	488733	25.0	25.9	
117 1,2-Dibromo-3-Chloropropane	75	11.904	11.904	0.000	80	57193	25.0	22.4	
119 1,2,4-Trichlorobenzene	180	12.579	12.579	0.000	95	352280	25.0	25.9	
120 Hexachlorobutadiene	225	12.688	12.688	0.000	97	152805	25.0	23.6	
121 Naphthalene	128	12.792	12.792	0.000	97	988870	25.0	26.2	
122 1,2,3-Trichlorobenzene	180	12.992	12.992	0.000	97	343177	25.0	25.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

SS GAS CORP_00418

Amount Added: 12.50

Units: uL

SS 8260 CORP_00093

Amount Added: 12.50

Units: uL

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5373.D

Injection Date: 26-Aug-2021 20:46:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: ICV

Worklist Smp#: 28

Client ID:

Purge Vol: 5.000 mL

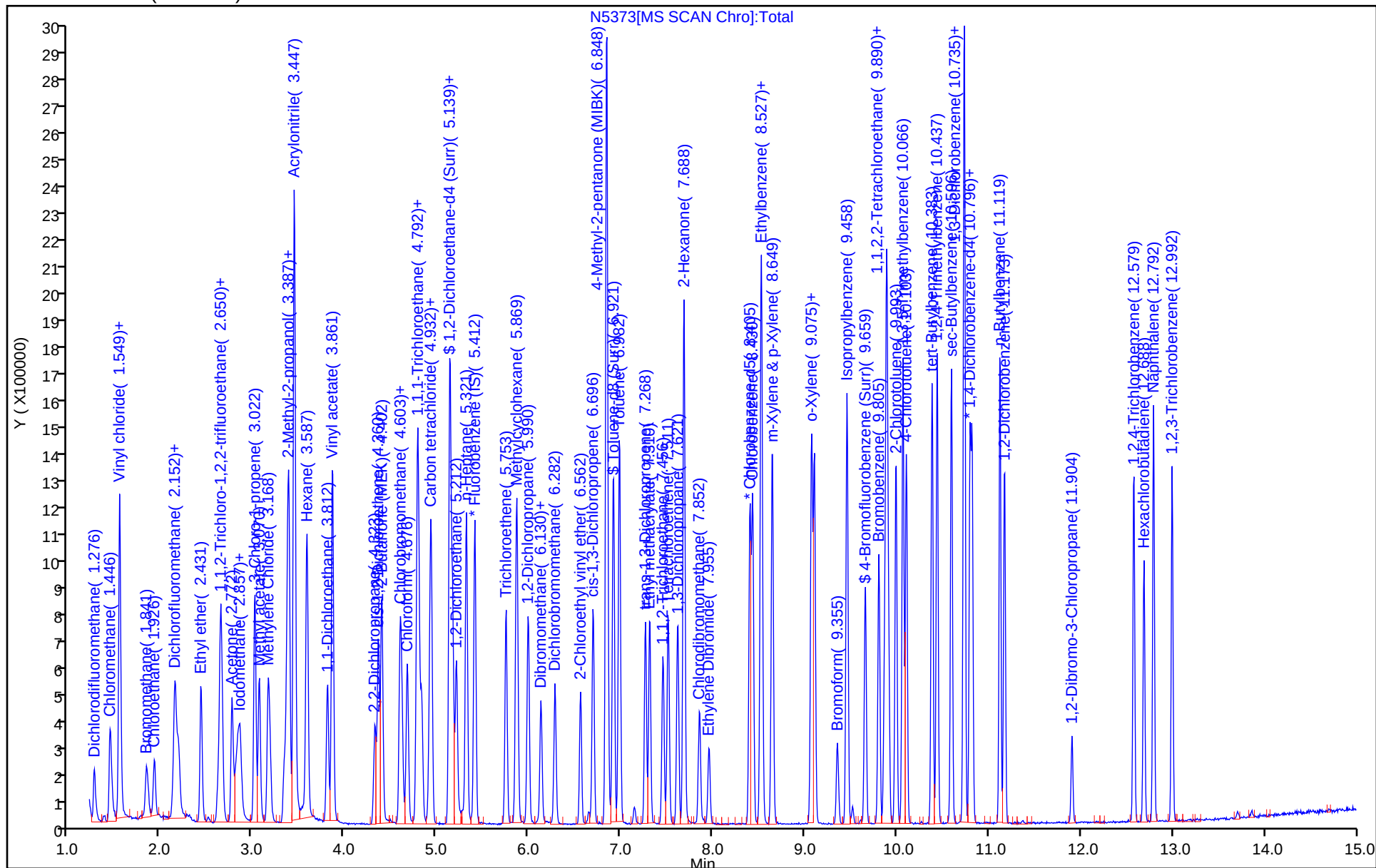
Dil. Factor: 1.0000

ALS Bottle#: 28

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5373.D

Injection Date: 26-Aug-2021 20:46:30

Instrument ID: HP5973N

Lims ID: ICV

Client ID:

Operator ID: LH

ALS Bottle#:

28

Worklist Smp#: 28

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

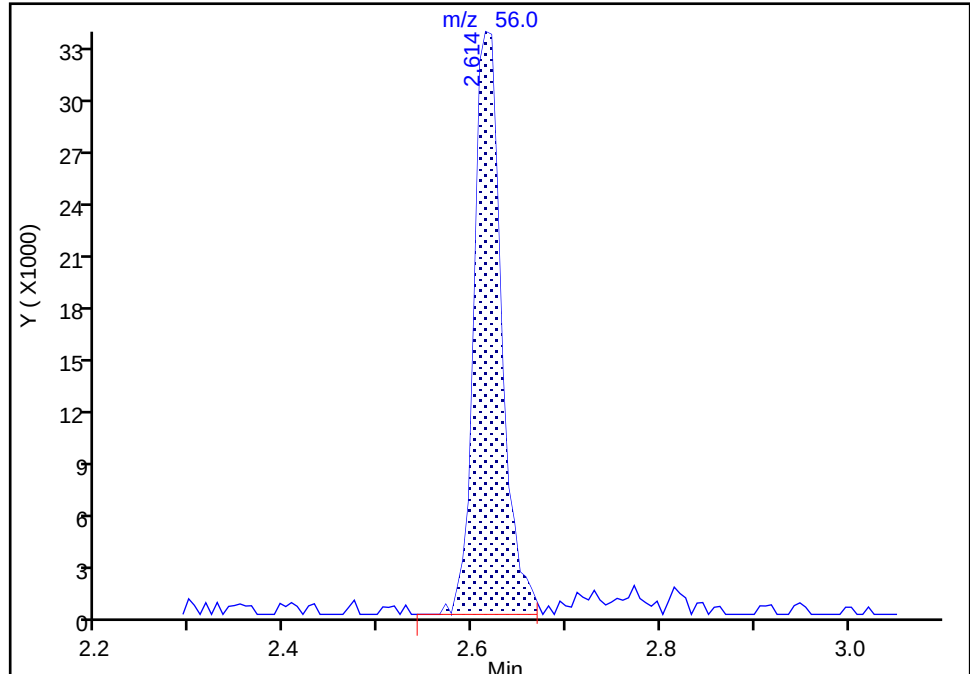
Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

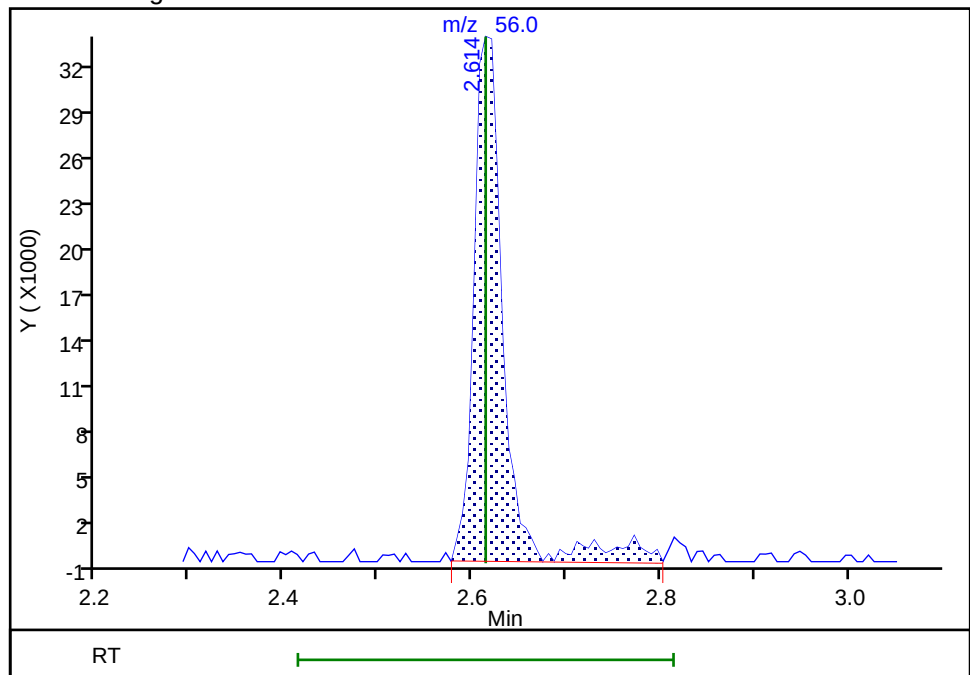
RT: 2.61
Area: 68007
Amount: 107.4078
Amount Units: ug/L

Processing Integration Results



RT: 2.61
Area: 73936
Amount: 116.7719
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 27-Aug-2021 10:00:54

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5373.D

Injection Date: 26-Aug-2021 20:46:30

Instrument ID: HP5973N

Lims ID: ICV

Client ID:

Operator ID: LH

ALS Bottle#:

28

Worklist Smp#: 28

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

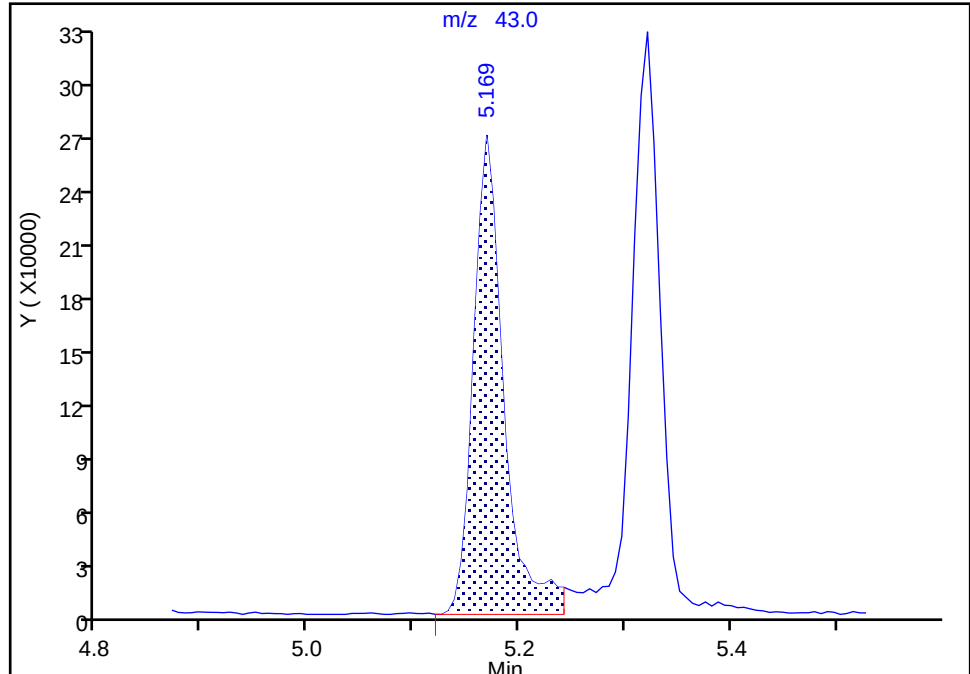
Detector: MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

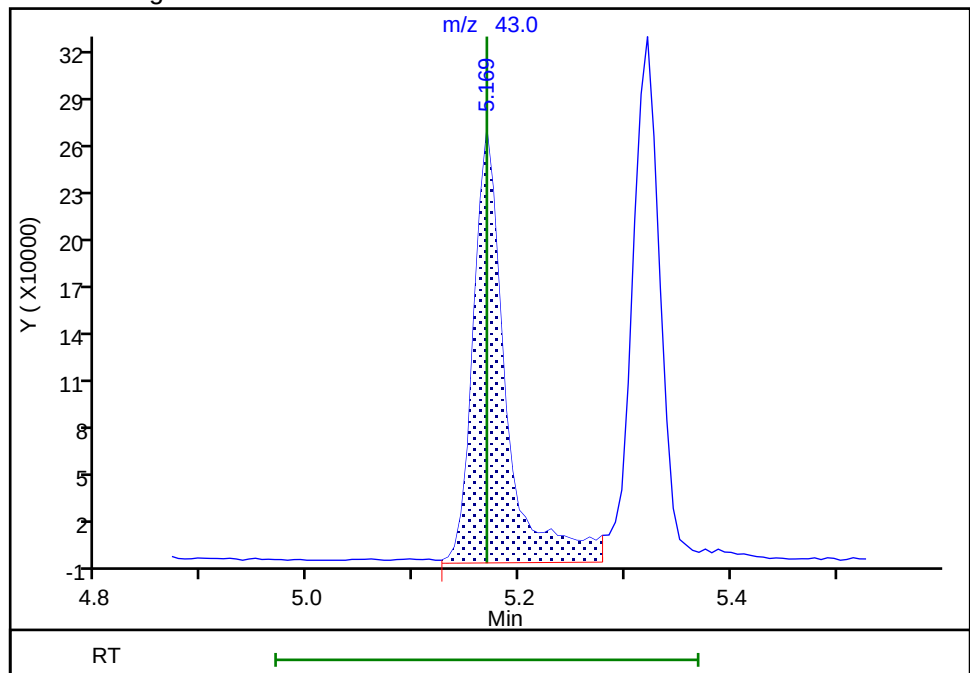
RT: 5.17
Area: 532698
Amount: 521.2910
Amount Units: ug/L

Processing Integration Results



RT: 5.17
Area: 576196
Amount: 563.8575
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 27-Aug-2021 10:01:18

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5373.D

Injection Date: 26-Aug-2021 20:46:30

Instrument ID: HP5973N

Lims ID: ICV

Client ID:

Operator ID: LH

ALS Bottle#:

28

Worklist Smp#: 28

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

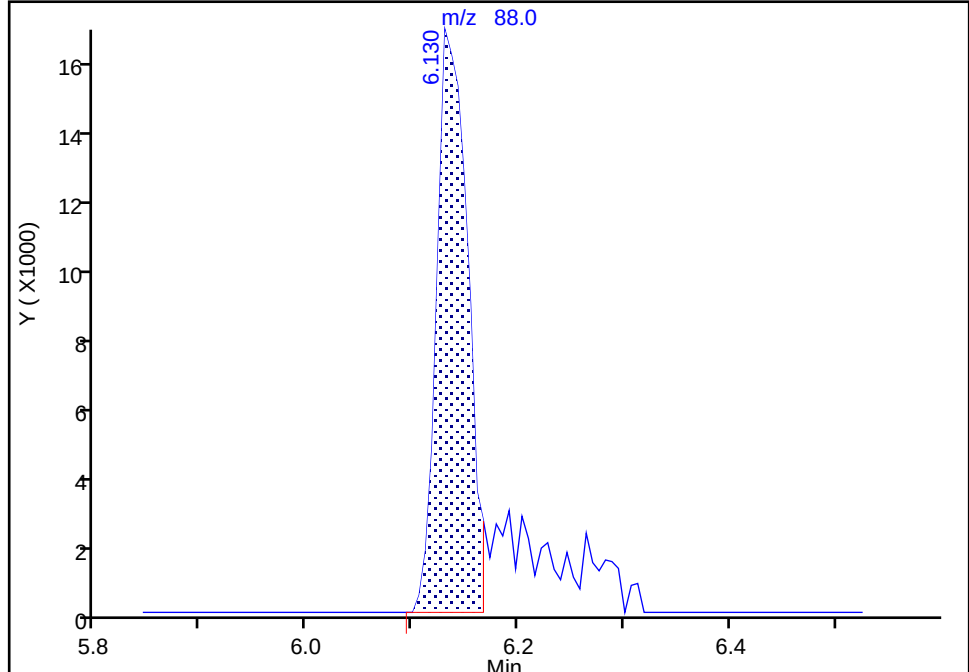
Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

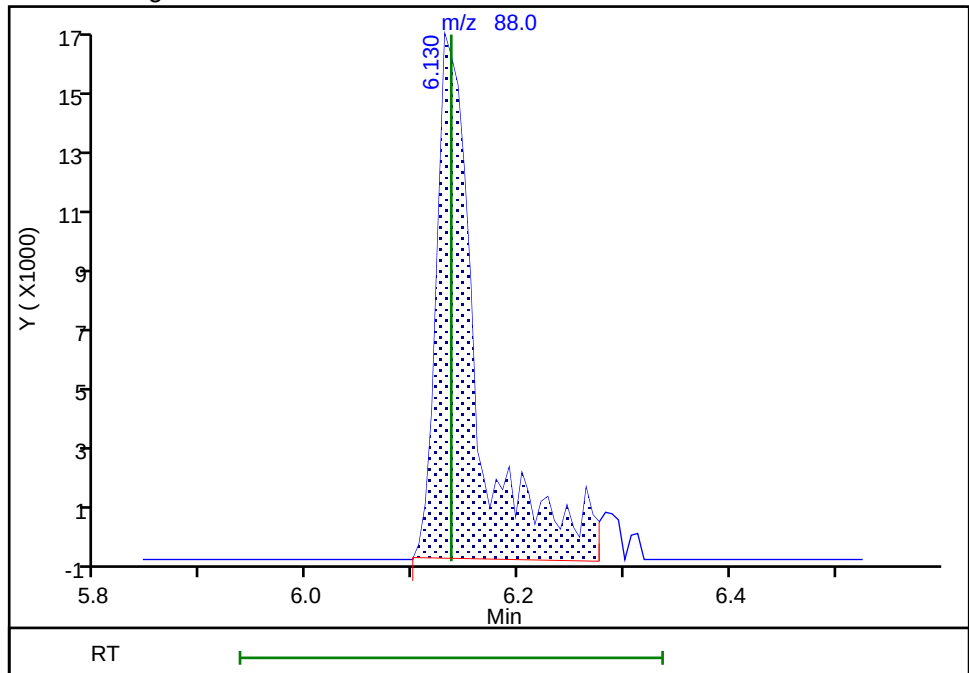
RT: 6.13
Area: 33005
Amount: 318.5928
Amount Units: ug/L

Processing Integration Results



RT: 6.13
Area: 43854
Amount: 423.3167
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 27-Aug-2021 10:01:44

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Lab Sample ID: CCVIS 480-595264/4 Calibration Date: 09/03/2021 23:48

Instrument ID: HP5973N Calib Start Date: 08/26/2021 12:40

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 08/26/2021 15:22

Lab File ID: N5763.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	1.219	0.8840	0.1000	18.1	25.0	-27.5	50.0
Chloromethane	Ave	2.925	2.564	0.1000	21.9	25.0	-12.3	20.0
Vinyl chloride	Ave	1.877	1.733	0.1000	23.1	25.0	-7.7	20.0
Butadiene	Ave	2.404	2.536		26.4	25.0	5.5	20.0
Bromomethane	Ave	1.017	0.995	0.1000	24.5	25.0	-2.1	50.0
Chloroethane	Ave	1.242	1.143	0.1000	23.0	25.0	-8.0	50.0
Dichlorofluoromethane	Ave	2.383	2.622		27.5	25.0	10.0	20.0
Trichlorofluoromethane	Ave	1.842	2.141	0.1000	29.1	25.0	16.2	20.0
Ethyl ether	Ave	1.736	1.782		25.7	25.0	2.6	20.0
Acrolein	Ave	0.0985	0.0898		114	125	-8.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.104	1.199	0.1000	27.2	25.0	8.6	20.0
1,1-Dichloroethene	Ave	1.176	1.182	0.1000	25.1	25.0	0.5	20.0
Acetone	Ave	0.8145	1.036	0.1000	159	125	27.2	50.0
Iodomethane	Ave	2.040	2.199		27.0	25.0	7.8	20.0
Carbon disulfide	Ave	3.647	3.612	0.1000	24.8	25.0	-1.0	20.0
Allyl chloride	Ave	4.159	4.157		25.0	25.0	-0.0	20.0
Methyl acetate	Ave	2.424	2.599	0.1000	53.6	50.0	7.2	50.0
Methylene Chloride	Lin1		1.479	0.1000	28.1	25.0	12.4	20.0
2-Methyl-2-propanol	Ave	0.2376	0.2850		300	250	19.9	50.0
Methyl tert-butyl ether	Ave	4.393	4.628	0.1000	26.3	25.0	5.4	20.0
trans-1,2-Dichloroethene	Ave	1.324	1.412	0.1000	26.7	25.0	6.6	20.0
Acrylonitrile	Ave	1.164	1.278		274	250	9.7	20.0
Hexane	Ave	2.811	2.665		23.7	25.0	-5.2	20.0
1,1-Dichloroethane	Ave	2.911	3.192	0.2000	27.4	25.0	9.6	20.0
Vinyl acetate	Ave	6.068	5.933		48.9	50.0	-2.2	20.0
2,2-Dichloropropane	Ave	1.203	1.308		27.2	25.0	8.7	20.0
cis-1,2-Dichloroethene	Ave	1.493	1.558	0.1000	26.1	25.0	4.3	20.0
2-Butanone (MEK)	Ave	1.479	1.527	0.1000	129	125	3.2	20.0
Chlorobromomethane	Ave	0.7973	0.8693		27.3	25.0	9.0	20.0
Tetrahydrofuran	Ave	1.064	1.062		49.9	50.0	-0.2	20.0
Chloroform	Ave	2.383	2.580	0.2000	27.1	25.0	8.3	20.0
1,1,1-Trichloroethane	Ave	1.911	2.202	0.1000	28.8	25.0	15.2	20.0
Cyclohexane	Ave	3.465	3.660	0.1000	26.4	25.0	5.6	20.0
Carbon tetrachloride	Ave	1.768	2.012	0.1000	28.4	25.0	13.8	20.0
1,1-Dichloropropene	Ave	1.761	1.815		25.8	25.0	3.1	20.0
Benzene	Ave	5.326	5.428	0.5000	25.5	25.0	1.9	20.0
Isobutyl alcohol	Ave	0.1589	0.1625		639	625	2.2	50.0
1,2-Dichloroethane	Ave	2.428	2.661	0.1000	27.4	25.0	9.6	20.0
n-Heptane	Ave	3.701	3.538		23.9	25.0	-4.4	20.0
Trichloroethene	Ave	1.297	1.416	0.2000	27.3	25.0	9.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Lab Sample ID: CCVIS 480-595264/4 Calibration Date: 09/03/2021 23:48

Instrument ID: HP5973N Calib Start Date: 08/26/2021 12:40

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 08/26/2021 15:22

Lab File ID: N5763.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	2.232	2.246	0.1000	25.2	25.0	0.6	20.0
1,2-Dichloropropane	Ave	1.635	1.642	0.1000	25.1	25.0	0.4	20.0
Dibromomethane	Ave	0.8975	0.8841	0.1000	24.6	25.0	-1.5	20.0
1,4-Dioxane	Ave	0.0044	0.0038		430	500	-14.1	50.0
Bromodichloromethane	Ave	1.705	1.805	0.2000	26.5	25.0	5.9	20.0
2-Chloroethyl vinyl ether	Ave	1.030	0.9823		23.8	25.0	-4.6	20.0
cis-1,3-Dichloropropene	Ave	2.100	2.051	0.2000	24.4	25.0	-2.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2564	0.2403	0.1000	117	125	-6.3	20.0
Toluene	Ave	0.9083	0.8458	0.4000	23.3	25.0	-6.9	20.0
trans-1,3-Dichloropropene	Ave	0.5368	0.4796	0.1000	22.3	25.0	-10.7	20.0
Ethyl methacrylate	Ave	0.4555	0.4191		23.0	25.0	-8.0	20.0
1,1,2-Trichloroethane	Ave	0.2622	0.2386	0.1000	22.8	25.0	-9.0	20.0
Tetrachloroethene	Ave	0.3683	0.3539	0.2000	24.0	25.0	-3.9	20.0
1,3-Dichloropropane	Ave	0.5175	0.4898		23.7	25.0	-5.4	20.0
2-Hexanone	Ave	0.5054	0.4867	0.1000	120	125	-3.7	20.0
Dibromochloromethane	Ave	0.3435	0.3367	0.1000	24.5	25.0	-2.0	20.0
1,2-Dibromoethane	Ave	0.3234	0.3219		24.9	25.0	-0.5	20.0
Chlorobenzene	Ave	0.9853	0.9638	0.5000	24.5	25.0	-2.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3723	0.4019		27.0	25.0	8.0	20.0
Ethylbenzene	Ave	1.657	1.587	0.1000	24.0	25.0	-4.2	20.0
m,p-Xylene	Ave	0.6326	0.6060	0.1000	23.9	25.0	-4.2	20.0
o-Xylene	Ave	0.6092	0.6185	0.3000	25.4	25.0	1.5	20.0
Styrene	Ave	1.044	0.998	0.3000	23.9	25.0	-4.4	20.0
Bromoform	Ave	0.2435	0.2242	0.1000	23.0	25.0	-7.9	50.0
Isopropylbenzene	Ave	3.080	3.028	0.1000	24.6	25.0	-1.7	20.0
Bromobenzene	Ave	0.7747	0.7957		25.7	25.0	2.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8266	0.8025	0.3000	24.3	25.0	-2.9	20.0
N-Propylbenzene	Ave	3.619	3.492		24.1	25.0	-3.5	20.0
1,2,3-Trichloropropane	Ave	0.2439	0.2443		25.0	25.0	0.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4361	0.2863		16.4	25.0	-34.3	50.0
2-Chlorotoluene	Ave	0.7091	0.7214		25.4	25.0	1.7	20.0
1,3,5-Trimethylbenzene	Ave	2.488	2.503		25.1	25.0	0.6	20.0
4-Chlorotoluene	Ave	2.268	2.180		24.0	25.0	-3.9	20.0
tert-Butylbenzene	Ave	0.5585	0.5857		26.2	25.0	4.9	20.0
1,2,4-Trimethylbenzene	Ave	2.545	2.599		25.5	25.0	2.1	20.0
sec-Butylbenzene	Ave	3.185	3.228		25.3	25.0	1.3	20.0
1,3-Dichlorobenzene	Ave	1.488	1.468	0.6000	24.7	25.0	-1.3	20.0
4-Isopropyltoluene	Ave	2.879	2.897		25.2	25.0	0.6	20.0
1,4-Dichlorobenzene	Ave	1.530	1.485	0.5000	24.3	25.0	-2.9	20.0
n-Butylbenzene	Ave	2.523	2.407		23.8	25.0	-4.6	20.0
1,2-Dichlorobenzene	Ave	1.499	1.494	0.4000	24.9	25.0	-0.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-595264/4 Calibration Date: 09/03/2021 23:48
 Instrument ID: HP5973N Calib Start Date: 08/26/2021 12:40
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 08/26/2021 15:22
 Lab File ID: N5763.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	0.2027	0.1614	0.0500	19.9	25.0	-20.4	50.0
1,2,4-Trichlorobenzene	Ave	1.081	1.102	0.2000	25.5	25.0	1.9	20.0
Hexachlorobutadiene	Ave	0.5135	0.4700		22.9	25.0	-8.5	20.0
Naphthalene	Ave	2.995	3.062		25.6	25.0	2.2	20.0
1,2,3-Trichlorobenzene	Ave	1.066	1.087		25.5	25.0	2.0	20.0
Dibromofluoromethane (Surr)	Ave	1.287	1.516		29.5	25.0	17.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.649	2.018		30.6	25.0	22.4*	20.0
Toluene-d8 (Surr)	Ave	1.238	1.278		25.8	25.0	3.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3825	0.3965		25.9	25.0	3.7	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5763.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 03-Sep-2021 23:48:30 ALS Bottle#: 34 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0100806-004
 Operator ID: AK/LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Sep-2021 09:06:29 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1604

First Level Reviewer: kiwana

Date: 07-Sep-2021 09:06:29

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	5.406	5.406	0.000	98	105662	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.399	8.399	0.000	88	412232	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	95	222432	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	93	160226	25.0	29.5	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	67	213217	25.0	30.6	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	526817	25.0	25.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	91	163436	25.0	25.9	
11 Dichlorodifluoromethane	85	1.282	1.282	0.000	98	93404	25.0	18.1	
13 Chloromethane	50	1.452	1.452	0.000	99	270909	25.0	21.9	
14 Vinyl chloride	62	1.549	1.549	0.000	55	183114	25.0	23.1	
144 Butadiene	54	1.555	1.555	0.000	98	267958	25.0	26.4	
15 Bromomethane	94	1.854	1.854	0.000	93	105137	25.0	24.5	
16 Chloroethane	64	1.933	1.933	0.000	93	120727	25.0	23.0	
17 Dichlorofluoromethane	67	2.158	2.158	0.000	95	277002	25.0	27.5	
18 Trichlorofluoromethane	101	2.164	2.164	0.000	58	226190	25.0	29.1	
19 Ethyl ether	59	2.438	2.438	0.000	93	188294	25.0	25.7	
20 Acrolein	56	2.614	2.614	0.000	98	47428	125.0	114.0	
21 112TCTFE	101	2.650	2.650	0.000	68	126736	25.0	27.2	
22 1,1-Dichloroethene	96	2.657	2.657	0.000	91	124860	25.0	25.1	
23 Acetone	43	2.772	2.772	0.000	97	547384	125.0	159.0	
24 Iodomethane	142	2.827	2.827	0.000	98	232345	25.0	27.0	
25 Carbon disulfide	76	2.857	2.857	0.000	98	381603	25.0	24.8	
27 3-Chloro-1-propene	41	3.022	3.022	0.000	87	439206	25.0	25.0	
28 Methyl acetate	43	3.070	3.070	0.000	99	549280	50.0	53.6	
30 Methylene Chloride	84	3.168	3.168	0.000	87	156321	25.0	28.1	
31 2-Methyl-2-propanol	59	3.344	3.344	0.000	99	301152	250.0	299.8	
32 Methyl tert-butyl ether	73	3.381	3.381	0.000	94	489027	25.0	26.3	
33 trans-1,2-Dichloroethene	96	3.393	3.393	0.000	90	149238	25.0	26.7	
34 Acrylonitrile	53	3.447	3.447	0.000	99	1350147	250.0	274.3	
35 Hexane	57	3.587	3.587	0.000	95	281544	25.0	23.7	

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	3.812	3.812	0.000	96	337222	25.0	27.4	
39 Vinyl acetate	43	3.867	3.867	0.000	96	1253825	50.0	48.9	
42 2,2-Dichloropropane	77	4.330	4.330	0.000	85	138159	25.0	27.2	
43 cis-1,2-Dichloroethene	96	4.366	4.366	0.000	85	164644	25.0	26.1	
44 2-Butanone (MEK)	43	4.403	4.403	0.000	96	806485	125.0	129.0	
47 Chlorobromomethane	128	4.597	4.597	0.000	85	91850	25.0	27.3	
49 Tetrahydrofuran	42	4.622	4.622	0.000	93	224371	50.0	49.9	
50 Chloroform	83	4.676	4.676	0.000	95	272580	25.0	27.1	
51 1,1,1-Trichloroethane	97	4.792	4.792	0.000	97	232615	25.0	28.8	
52 Cyclohexane	56	4.798	4.798	0.000	96	386727	25.0	26.4	
53 Carbon tetrachloride	117	4.926	4.926	0.000	95	212540	25.0	28.4	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	83	191724	25.0	25.8	
55 Benzene	78	5.145	5.145	0.000	91	573539	25.0	25.5	
56 Isobutyl alcohol	43	5.169	5.169	0.000	95	429146	625.0	638.9	
57 1,2-Dichloroethane	62	5.212	5.212	0.000	94	281174	25.0	27.4	
59 n-Heptane	43	5.321	5.321	0.000	95	373828	25.0	23.9	
60 Trichloroethene	95	5.753	5.753	0.000	90	149575	25.0	27.3	
62 Methylcyclohexane	83	5.869	5.869	0.000	93	237360	25.0	25.2	
63 1,2-Dichloropropane	63	5.996	5.996	0.000	87	173463	25.0	25.1	
64 Dibromomethane	93	6.130	6.130	0.000	94	93412	25.0	24.6	
66 1,4-Dioxane	88	6.142	6.142	0.000	39	31130	500.0	429.6	M
67 Dichlorobromomethane	83	6.282	6.282	0.000	94	190691	25.0	26.5	
69 2-Chloroethyl vinyl ether	63	6.562	6.562	0.000	83	103787	25.0	23.8	
71 cis-1,3-Dichloropropene	75	6.702	6.702	0.000	84	216762	25.0	24.4	
72 4-Methyl-2-pentanone (MIBK)	58	6.848	6.848	0.000	97	495352	125.0	117.2	
73 Toluene	92	6.982	6.982	0.000	97	348652	25.0	23.3	
75 trans-1,3-Dichloropropene	75	7.268	7.268	0.000	90	197710	25.0	22.3	
77 Ethyl methacrylate	69	7.317	7.317	0.000	86	172750	25.0	23.0	
78 1,1,2-Trichloroethane	83	7.457	7.457	0.000	93	98345	25.0	22.8	
79 Tetrachloroethene	166	7.511	7.511	0.000	93	145876	25.0	24.0	
80 1,3-Dichloropropane	76	7.615	7.615	0.000	88	201901	25.0	23.7	
82 2-Hexanone	43	7.688	7.688	0.000	97	1003198	125.0	120.4	
83 Chlorodibromomethane	129	7.852	7.852	0.000	91	138809	25.0	24.5	
84 Ethylene Dibromide	107	7.961	7.961	0.000	99	132701	25.0	24.9	
85 Chlorobenzene	112	8.430	8.430	0.000	93	397315	25.0	24.5	
88 Ethylbenzene	91	8.527	8.527	0.000	98	654387	25.0	24.0	
89 1,1,1,2-Tetrachloroethane	131	8.527	8.527	0.000	93	165672	25.0	27.0	
90 m-Xylene & p-Xylene	106	8.649	8.649	0.000	97	249796	25.0	23.9	
91 o-Xylene	106	9.075	9.075	0.000	98	254964	25.0	25.4	
92 Styrene	104	9.099	9.099	0.000	93	411470	25.0	23.9	
93 Bromoform	173	9.355	9.355	0.000	94	92419	25.0	23.0	
95 Isopropylbenzene	105	9.458	9.458	0.000	97	673548	25.0	24.6	
97 Bromobenzene	156	9.811	9.811	0.000	88	176982	25.0	25.7	
98 1,1,2,2-Tetrachloroethane	83	9.872	9.872	0.000	95	178505	25.0	24.3	
100 N-Propylbenzene	91	9.890	9.890	0.000	99	776794	25.0	24.1	
99 1,2,3-Trichloropropane	110	9.896	9.896	0.000	95	54347	25.0	25.0	
101 trans-1,4-Dichloro-2-butene	53	9.908	9.908	0.000	80	63682	25.0	16.4	
102 2-Chlorotoluene	126	9.993	9.993	0.000	96	160455	25.0	25.4	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	95	556655	25.0	25.1	
105 4-Chlorotoluene	91	10.103	10.103	0.000	98	484814	25.0	24.0	
106 tert-Butylbenzene	134	10.389	10.389	0.000	96	130270	25.0	26.2	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	98	578010	25.0	25.5	

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	10.596	10.596	0.000	95	717931	25.0	25.3	
110 1,3-Dichlorobenzene	146	10.729	10.729	0.000	95	326598	25.0	24.7	
111 4-Isopropyltoluene	119	10.736	10.736	0.000	98	644368	25.0	25.2	
113 1,4-Dichlorobenzene	146	10.821	10.821	0.000	93	330407	25.0	24.3	
115 n-Butylbenzene	91	11.125	11.125	0.000	97	535356	25.0	23.8	
116 1,2-Dichlorobenzene	146	11.174	11.174	0.000	97	332216	25.0	24.9	
117 1,2-Dibromo-3-Chloropropane	75	11.904	11.904	0.000	81	35898	25.0	19.9	
119 1,2,4-Trichlorobenzene	180	12.579	12.579	0.000	94	245111	25.0	25.5	
120 Hexachlorobutadiene	225	12.688	12.688	0.000	96	104547	25.0	22.9	
121 Naphthalene	128	12.792	12.792	0.000	97	681132	25.0	25.6	
122 1,2,3-Trichlorobenzene	180	12.999	12.999	0.000	94	241802	25.0	25.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00212

Amount Added: 12.50

Units: uL

GAS CORP mix_00470

Amount Added: 12.50

Units: uL

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5763.D

Injection Date: 03-Sep-2021 23:48:30

Instrument ID: HP5973N

Operator ID: AK/LH

Lims ID: CCVIS

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

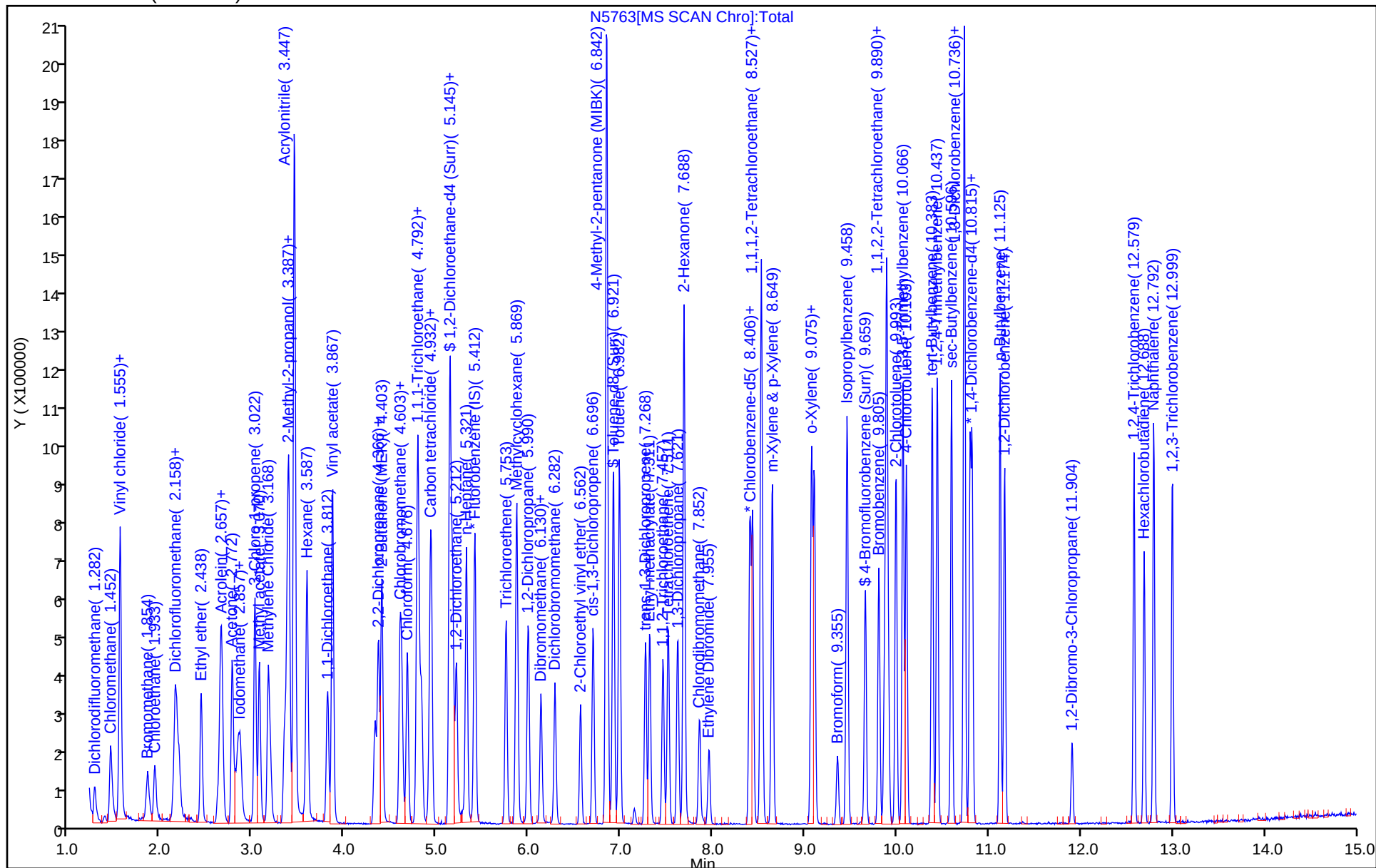
Dil. Factor: 1.0000

ALS Bottle#: 34

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5763.D

Injection Date: 03-Sep-2021 23:48:30

Instrument ID: HP5973N

Lims ID: CCVIS

Client ID:

Operator ID: AK/LH

ALS Bottle#:

34

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

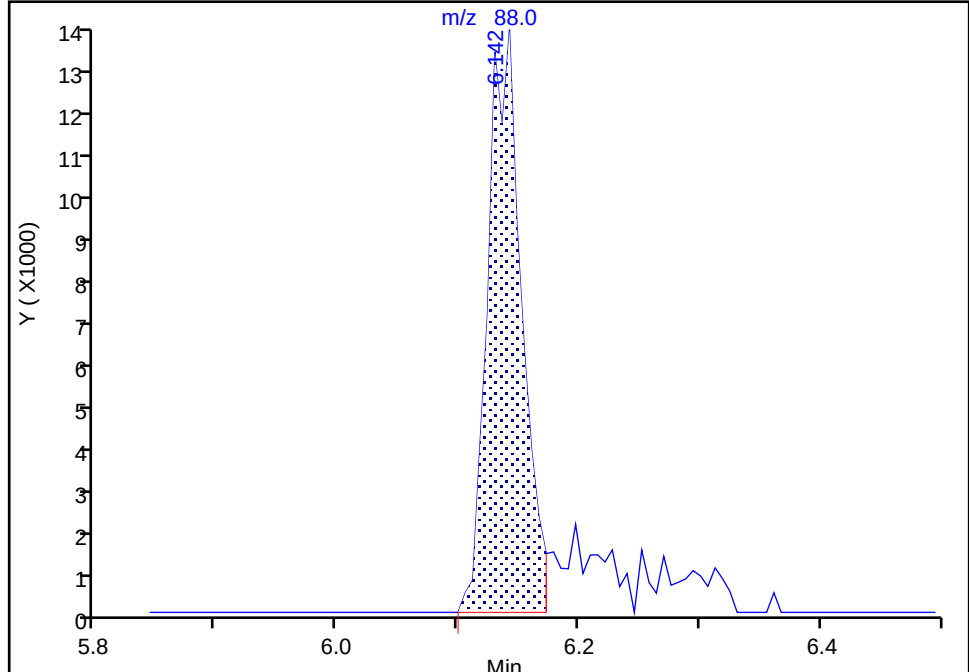
Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

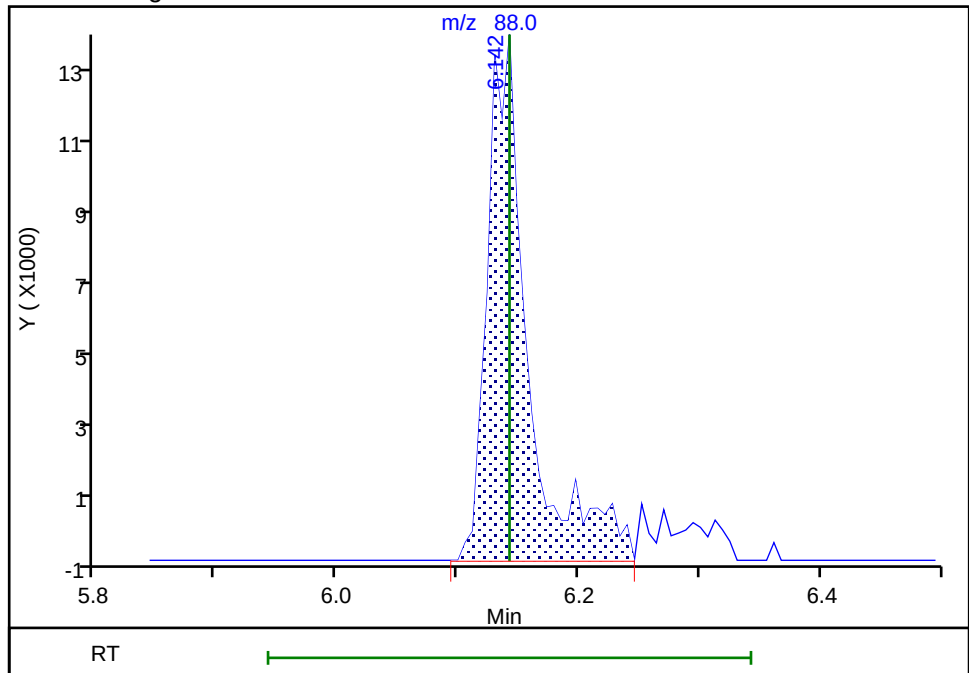
RT: 6.14
Area: 26147
Amount: 360.8119
Amount Units: ug/L

Processing Integration Results



RT: 6.14
Area: 31130
Amount: 429.5742
Amount Units: ug/L

Manual Integration Results



Reviewer: kiwana, 07-Sep-2021 09:06:14

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7185.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 01-Sep-2021 14:15:30 ALS Bottle#: 9 Worklist Smp#: 14
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0100746-014
 Operator ID: LH Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Sep-2021 11:00:31 Calib Date: 01-Sep-2021 21:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7205.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: HillL

Date: 01-Sep-2021 14:28:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags

\$ 61 BFB	95	5.474	5.474	0.000	0	272497	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00125

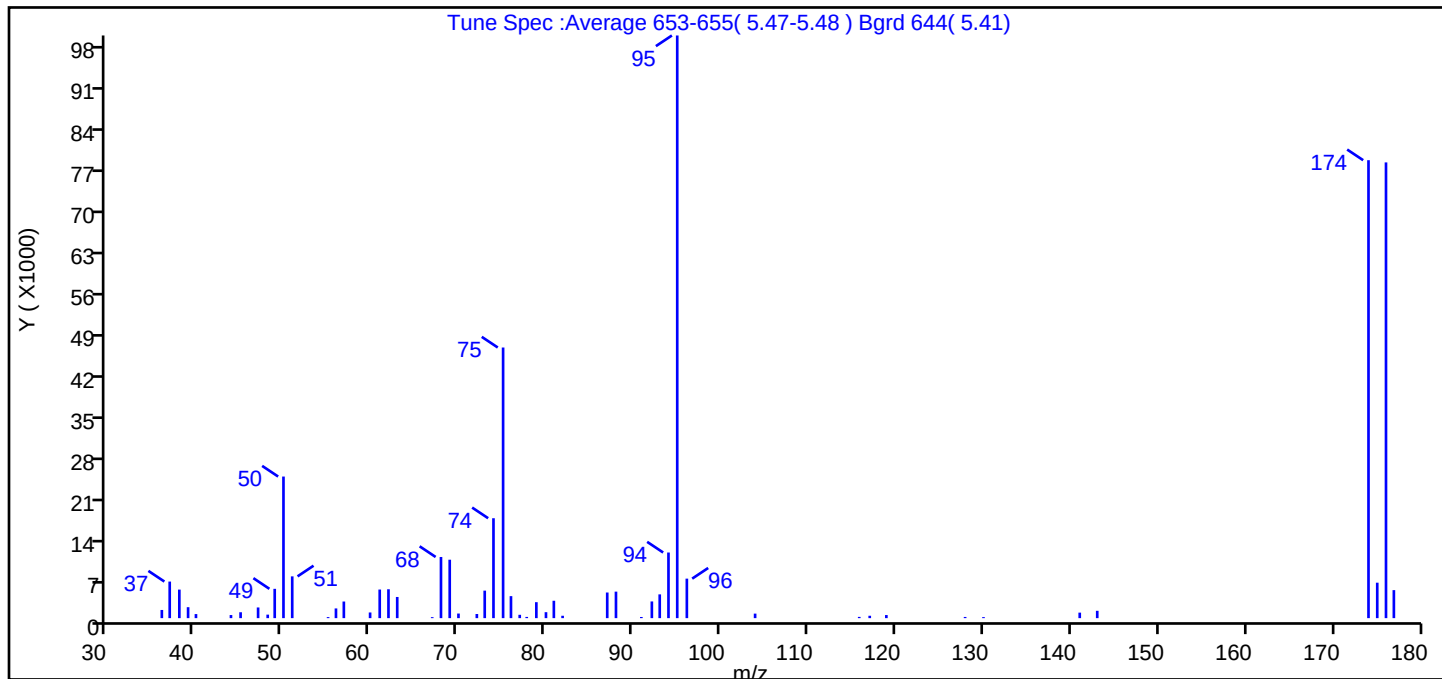
Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7185.D
 Injection Date: 01-Sep-2021 14:15:30 Instrument ID: HP5973C
 Lims ID: BFB
 Client ID:
 Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 14
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Method: C-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	24.3
75	30 to 60% of m/z 95	46.4
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	78.6
175	5 to 9% of m/z 174	6.1 (7.7)
176	Greater than 95% but less than 101% of m/z 174	78.2 (99.5)
177	5 to 9% of m/z 176	4.8 (6.1)

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7185.D\C-8260.rslt\spectra.d
Injection Date: 01-Sep-2021 14:15:30
Spectrum: Tune Spec :Average 653-655(5.47-5.48) Bgrd 644(5.41)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 54

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1396	57.00	2836	77.00	571	104.00	773
37.00	6241	60.00	968	78.00	209	116.00	214
38.00	4871	61.00	4881	79.00	2725	117.00	407
39.00	1868	62.00	4928	80.00	1018	119.00	528
40.00	694	63.00	3612	81.00	2967	128.00	203
44.00	530	67.00	170	82.00	407	130.00	173
45.00	1007	68.00	10435	87.00	4373	141.00	941
47.00	1823	69.00	9970	88.00	4523	143.00	1251
48.00	600	70.00	786	91.00	197	174.00	78136
49.00	5002	72.00	707	92.00	2849	175.00	6049
50.00	24160	73.00	4694	93.00	4056	176.00	77760
51.00	7127	74.00	17048	94.00	11199	177.00	4780
55.00	178	75.00	46176	95.00	99416		
56.00	1658	76.00	3755	96.00	6740		

Report Date: 02-Sep-2021 11:00:32

Chrom Revision: 2.3 13-May-2021 07:57:40

Euofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7185.D

Injection Date: 01-Sep-2021 14:15:30

Instrument ID: HP5973C

Operator ID: LH

Lims ID: BFB

Worklist Smp#: 14

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

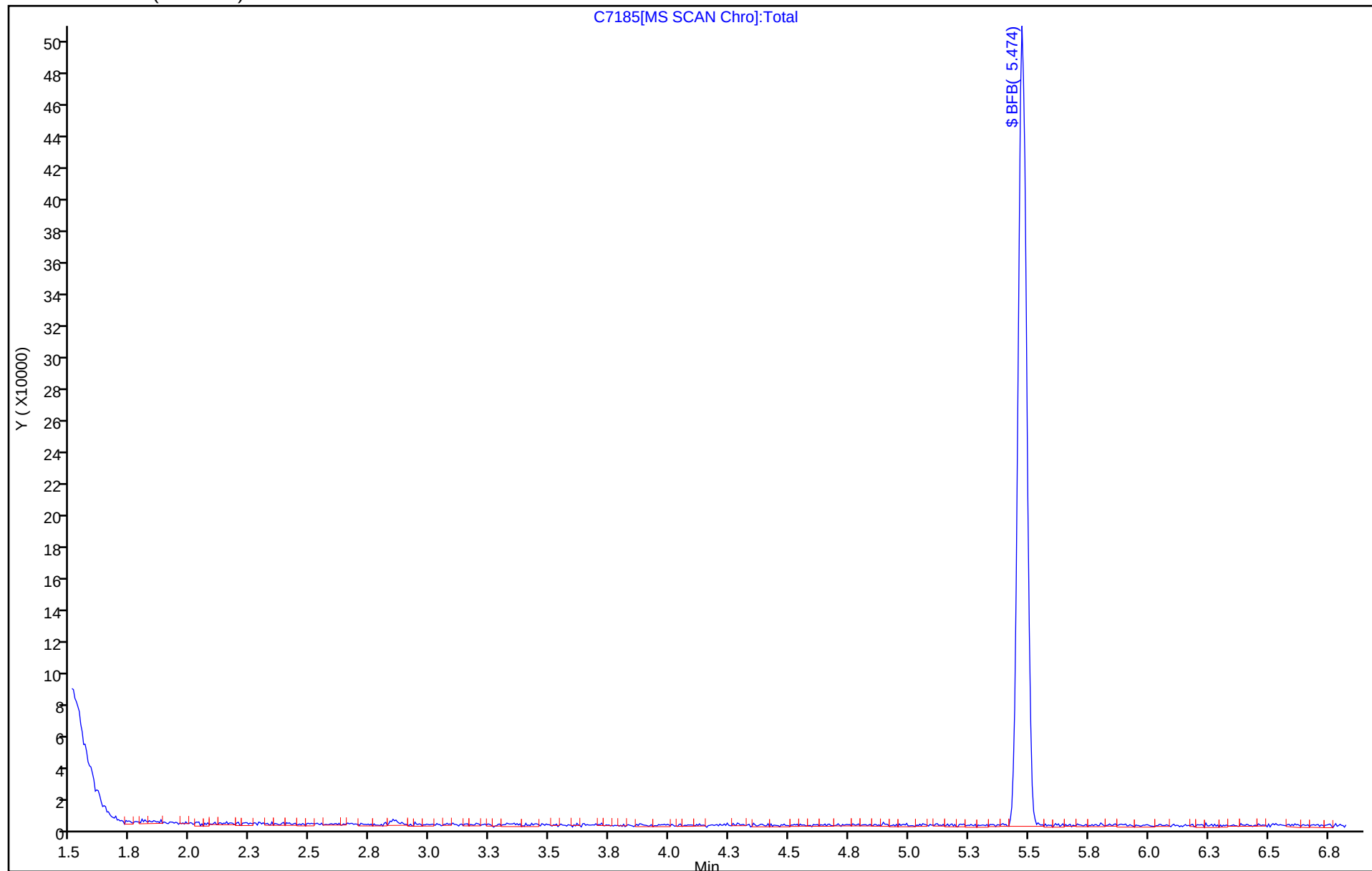
ALS Bottle#: 9

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

C7185[MS SCAN Chro]:Total



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7448.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 09-Sep-2021 08:36:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0100868-002
 Operator ID: OI/AK Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Sep-2021 08:46:21 Calib Date: 01-Sep-2021 21:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7205.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: dahnw

Date: 09-Sep-2021 08:46:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags

\$ 61 BFB	95	5.486	5.486	0.000	0	400754	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00125

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7448.D

Injection Date: 09-Sep-2021 08:36:30

Instrument ID: HP5973C

Lims ID: BFB

Client ID:

Operator ID: OI/AK

ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 uL

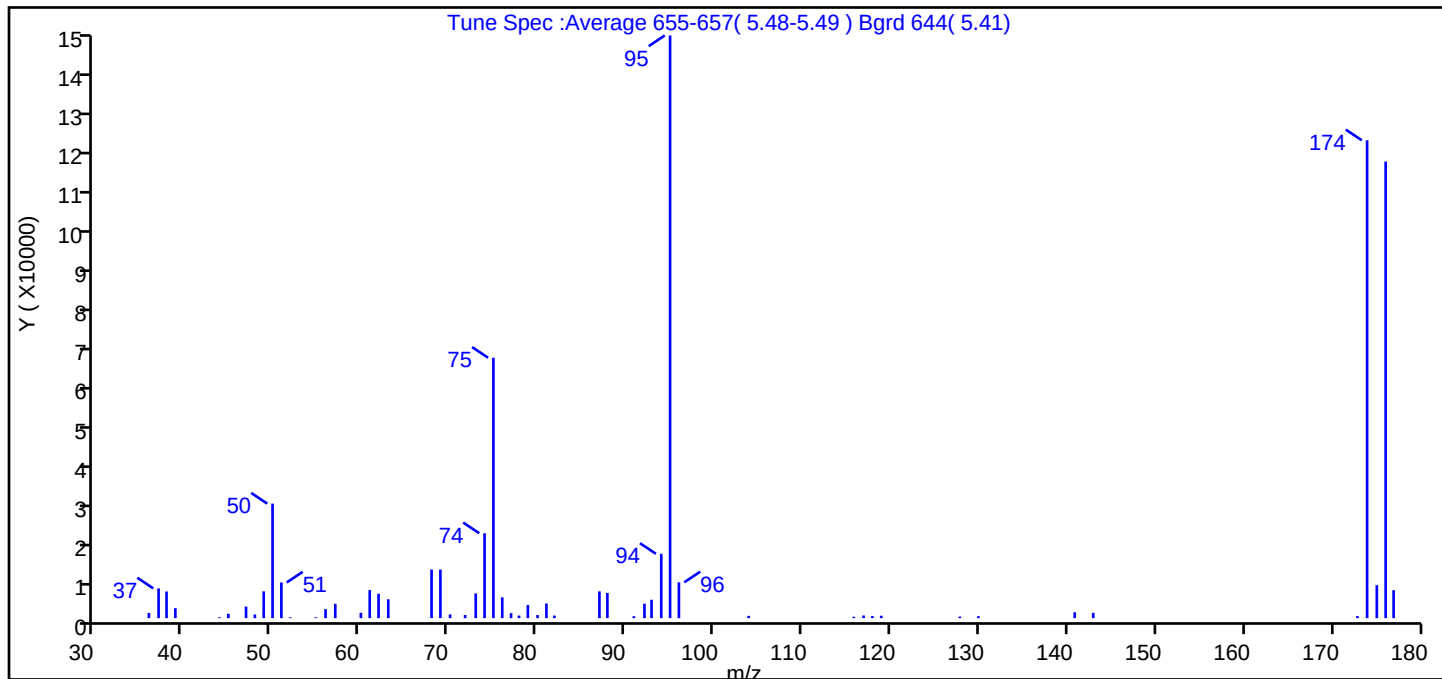
Dil. Factor: 1.0000

Method: C-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	19.7
75	30 to 60% of m/z 95	44.7
96	5 to 9% of m/z 95	6.2
173	Less than 2% of m/z 174	0.4 (0.4)
174	50 to 120% of m/z 95	82.0
175	5 to 9% of m/z 174	5.7 (6.9)
176	Greater than 95% but less than 101% of m/z 174	78.4 (95.5)
177	5 to 9% of m/z 176	4.8 (6.1)

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7448.D\C-8260.rslt\spectra.d
Injection Date: 09-Sep-2021 08:36:30
Spectrum: Tune Spec :Average 655-657(5.48-5.49) Bgrd 644(5.41)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1257	57.00	3496	78.00	630	116.00	344
37.00	7231	60.00	1304	79.00	3199	117.00	647
38.00	6481	61.00	6828	80.00	755	118.00	517
39.00	2419	62.00	5930	81.00	3559	119.00	589
44.00	212	63.00	4592	82.00	627	128.00	386
45.00	1061	68.00	11823	87.00	6513	130.00	476
47.00	2810	69.00	11821	88.00	6132	141.00	1422
48.00	903	70.00	911	91.00	472	143.00	1289
49.00	6516	72.00	769	92.00	3516	173.00	502
50.00	27840	73.00	6011	93.00	4468	174.00	116160
51.00	8667	74.00	20632	94.00	15636	175.00	8020
52.00	208	75.00	63296	95.00	141632	176.00	110984
55.00	212	76.00	5043	96.00	8711	177.00	6807
56.00	2185	77.00	1212	104.00	562		

Report Date: 09-Sep-2021 08:46:22

Chrom Revision: 2.3 13-May-2021 07:57:40

Euofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7448.D

Injection Date: 09-Sep-2021 08:36:30

Instrument ID: HP5973C

Operator ID: OI/AK

Lims ID: BFB

Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

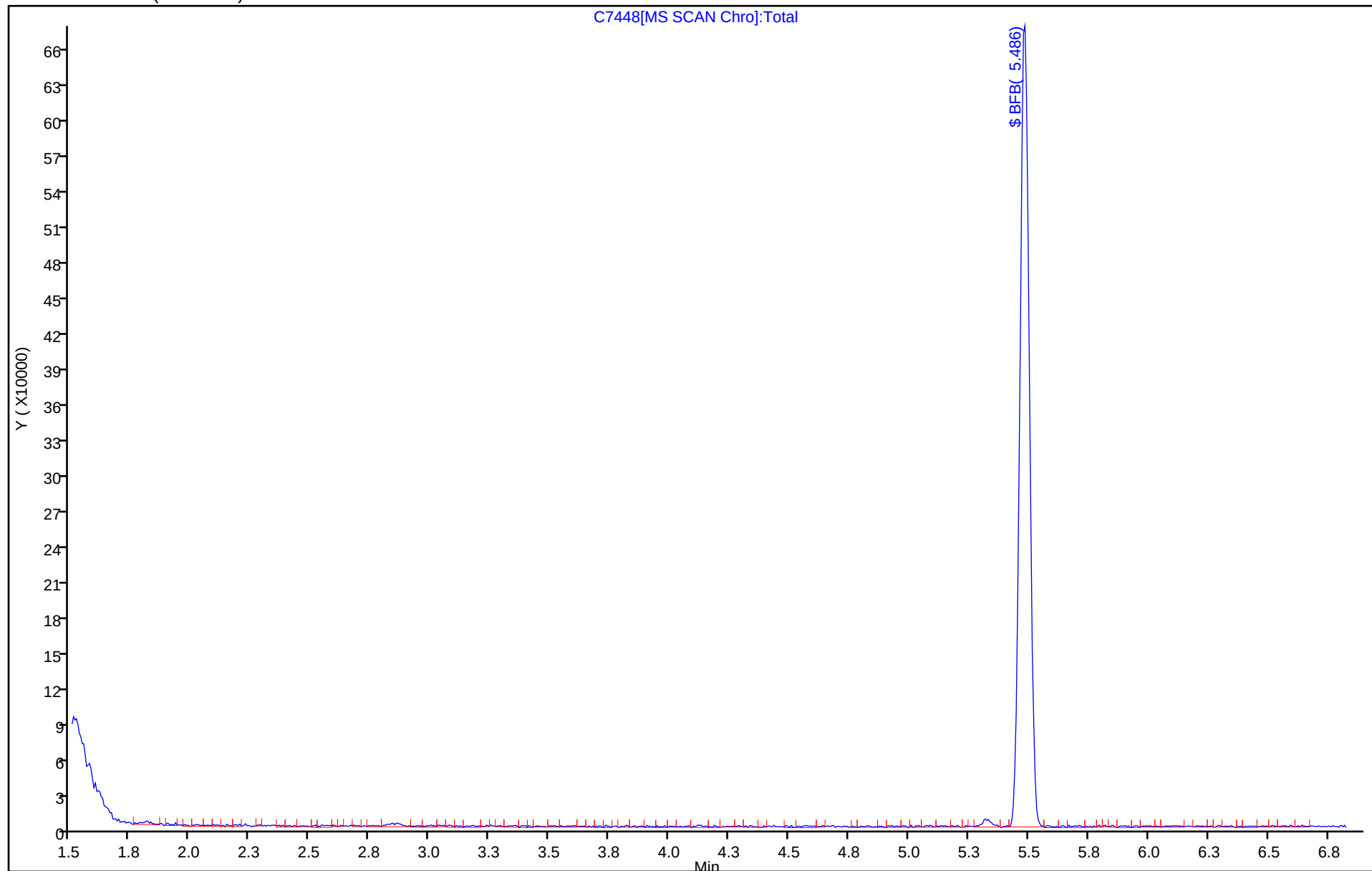
ALS Bottle#: 2

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

C7448[MS SCAN Chro]:Total



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5350.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 26-Aug-2021 11:52:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0100628-005
 Operator ID: LH Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 27-Aug-2021 10:07:13 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: HillL

Date: 26-Aug-2021 12:01:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags

\$ 4 BFB	95	4.947	4.947	0.000	88	186301	NR	NR

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00124

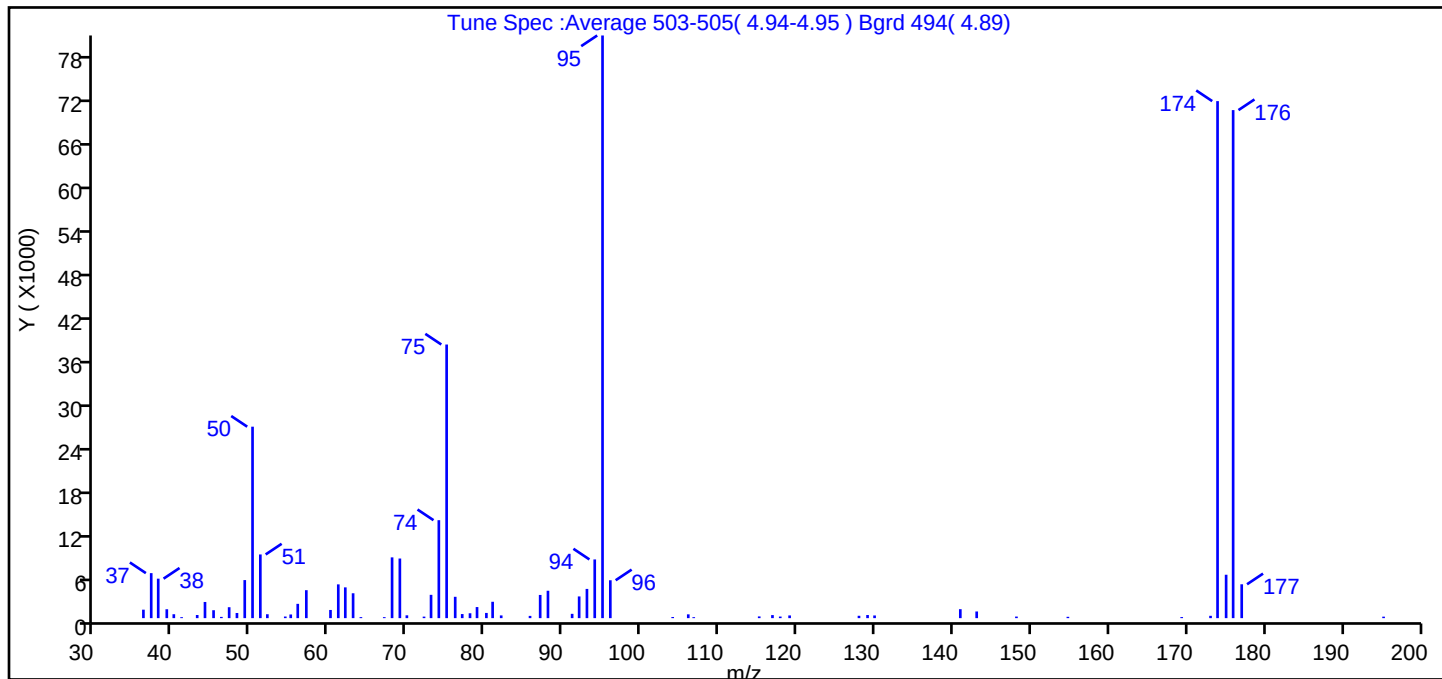
Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5350.D
Injection Date: 26-Aug-2021 11:52:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 5
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	32.9
75	30 to 60% of m/z 95	47.0
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	88.7
175	5 to 9% of m/z 174	7.4 (8.4)
176	Greater than 95% but less than 101% of m/z 174	87.2 (98.3)
177	5 to 9% of m/z 176	5.8 (6.7)

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5350.D\N-8260.rslt\spectra.d
 Injection Date: 26-Aug-2021 11:52:30
 Spectrum: Tune Spec :Average 503-505(4.94-4.95) Bgrd 494(4.89)
 Base Peak: 95.00
 Minimum % Base Peak: 0
 Number of Points: 70

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1177	56.00	1987	79.00	1540	118.00	221
37.00	6254	57.00	3884	80.00	723	119.00	376
38.00	5485	60.00	1136	81.00	2274	128.00	329
39.00	1236	61.00	4692	82.00	379	129.00	433
40.00	544	62.00	4275	86.00	313	130.00	373
41.00	135	63.00	3456	87.00	3223	141.00	1245
43.00	436	64.00	142	88.00	3806	143.00	927
44.00	2247	67.00	138	91.00	599	148.00	221
45.00	1101	68.00	8443	92.00	3016	155.00	185
46.00	173	69.00	8283	93.00	4061	169.00	149
47.00	1518	70.00	394	94.00	8156	173.00	324
48.00	715	72.00	211	95.00	80952	174.00	71832
49.00	5287	73.00	3238	96.00	5262	175.00	6030
50.00	26600	74.00	13610	104.00	158	176.00	70584
51.00	8849	75.00	38016	106.00	529	177.00	4705
52.00	542	76.00	2965	107.00	134	195.00	206
54.00	223	77.00	568	115.00	239		
55.00	510	78.00	678	117.00	425		

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5350.D

Injection Date: 26-Aug-2021 11:52:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: BFB

Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 uL

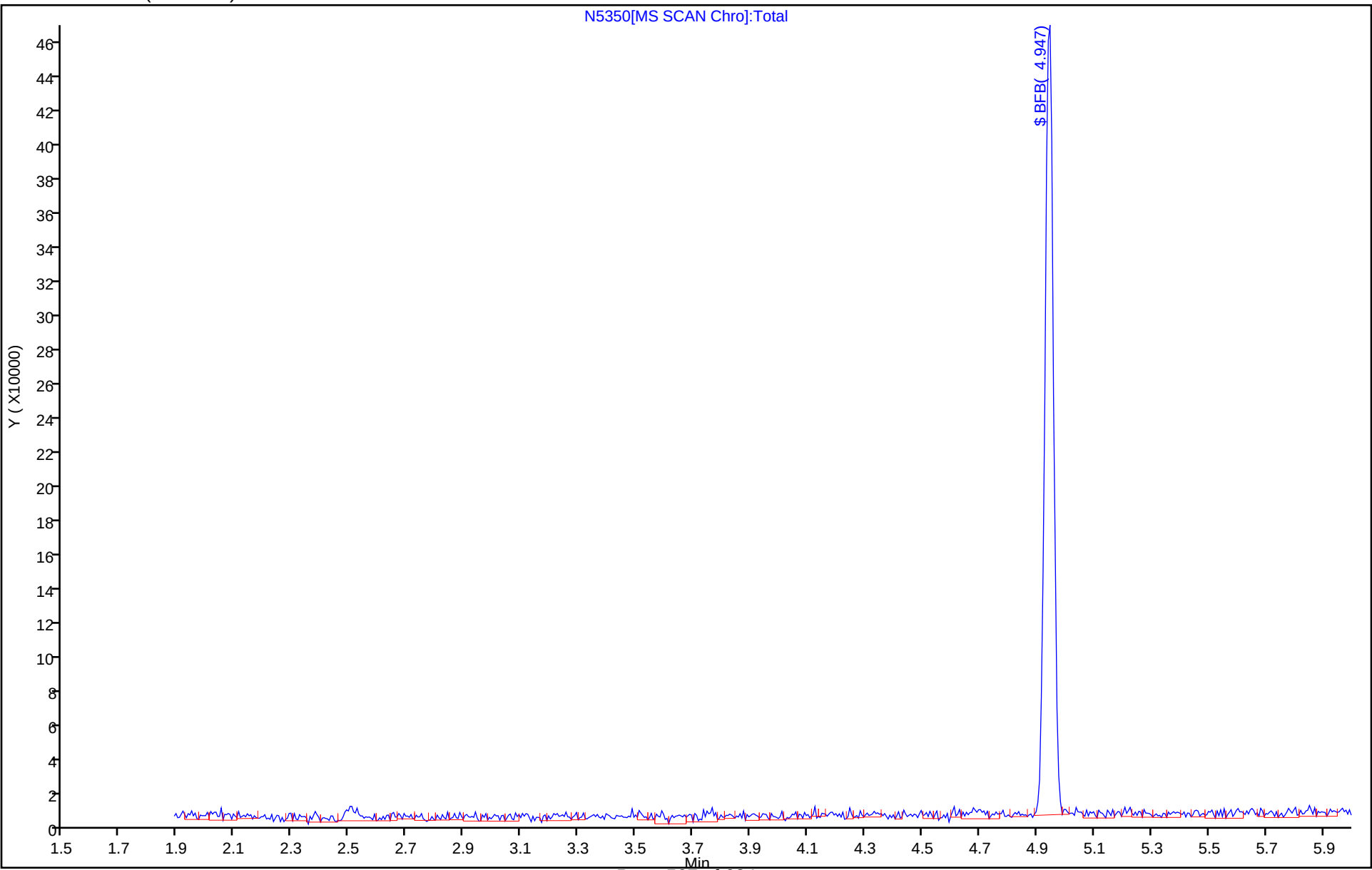
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5762.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 03-Sep-2021 23:25:30 ALS Bottle#: 33 Worklist Smp#: 3
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0100806-003
 Operator ID: AK/LH Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 04-Sep-2021 08:25:39 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1684

First Level Reviewer: izquierdoo

Date: 04-Sep-2021 08:25:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags

\$ 4 BFB	95	5.039	5.039	0.000	87	887021	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00124

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5762.D

Injection Date: 03-Sep-2021 23:25:30

Instrument ID: HP5973N

Lims ID: BFB

Client ID:

Operator ID: AK/LH

ALS Bottle#: 33 Worklist Smp#: 3

Injection Vol: 1.0 uL

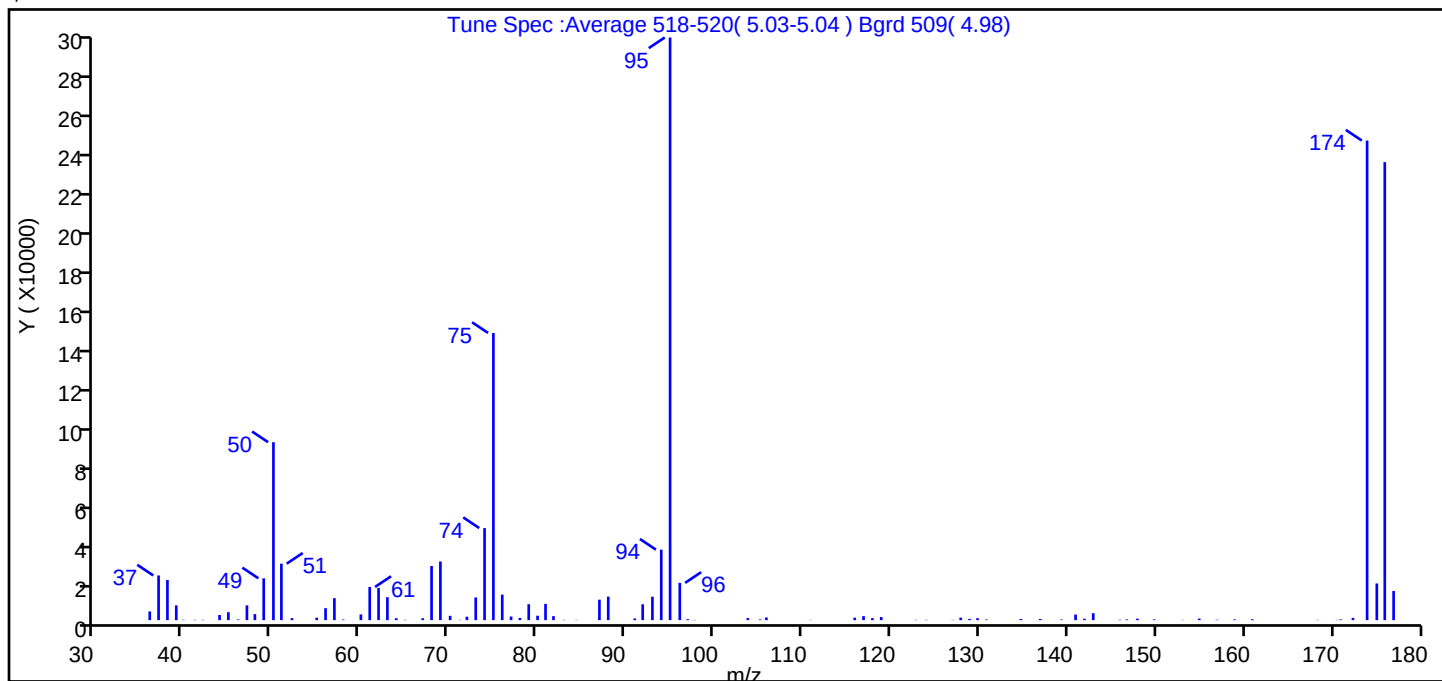
Dil. Factor: 1.0000

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	30.5
75	30 to 60% of m/z 95	49.3
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.3
175	5 to 9% of m/z 174	6.3 (7.6)
176	Greater than 95% but less than 101% of m/z 174	78.6 (95.5)
177	5 to 9% of m/z 176	5.0 (6.4)

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5762.D\N-8260.rslt\spectra.d
Injection Date: 03-Sep-2021 23:25:30
Spectrum: Tune Spec :Average 518-520(5.03-5.04) Bgrd 509(4.98)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 92

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4386	63.00	11588	91.00	866	135.00	594
37.00	22536	64.00	981	92.00	7982	137.00	593
38.00	20232	65.00	184	93.00	11809	139.00	286
39.00	7446	67.00	968	94.00	35544	141.00	2823
40.00	199	68.00	27280	95.00	293824	142.00	705
41.00	186	69.00	29568	96.00	18808	143.00	3511
42.00	190	70.00	2180	97.00	510	146.00	239
44.00	2606	71.00	144	98.00	142	147.00	379
45.00	4014	72.00	1737	104.00	1036	148.00	745
46.00	351	73.00	11427	105.00	348	150.00	373
47.00	7471	74.00	46424	106.00	1344	153.00	138
48.00	3038	75.00	144832	111.00	137	155.00	757
49.00	21088	76.00	12887	116.00	1249	157.00	227
50.00	89736	77.00	1819	117.00	2023	159.00	370
51.00	28480	78.00	1092	118.00	1018	161.00	487
52.00	1024	79.00	8031	119.00	1564	168.00	140
55.00	1240	80.00	2238	123.00	164	170.00	134
56.00	6044	81.00	8211	124.00	179	171.00	366
57.00	11087	82.00	2029	127.00	138	172.00	1139
58.00	312	83.00	168	128.00	1260	174.00	241856
60.00	2889	84.00	136	129.00	630	175.00	18496
61.00	16736	87.00	10324	130.00	989	176.00	230976
62.00	16216	88.00	11879	131.00	327	177.00	14729

Report Date: 04-Sep-2021 08:25:39

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5762.D

Injection Date: 03-Sep-2021 23:25:30

Instrument ID: HP5973N

Operator ID: AK/LH

Lims ID: BFB

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 uL

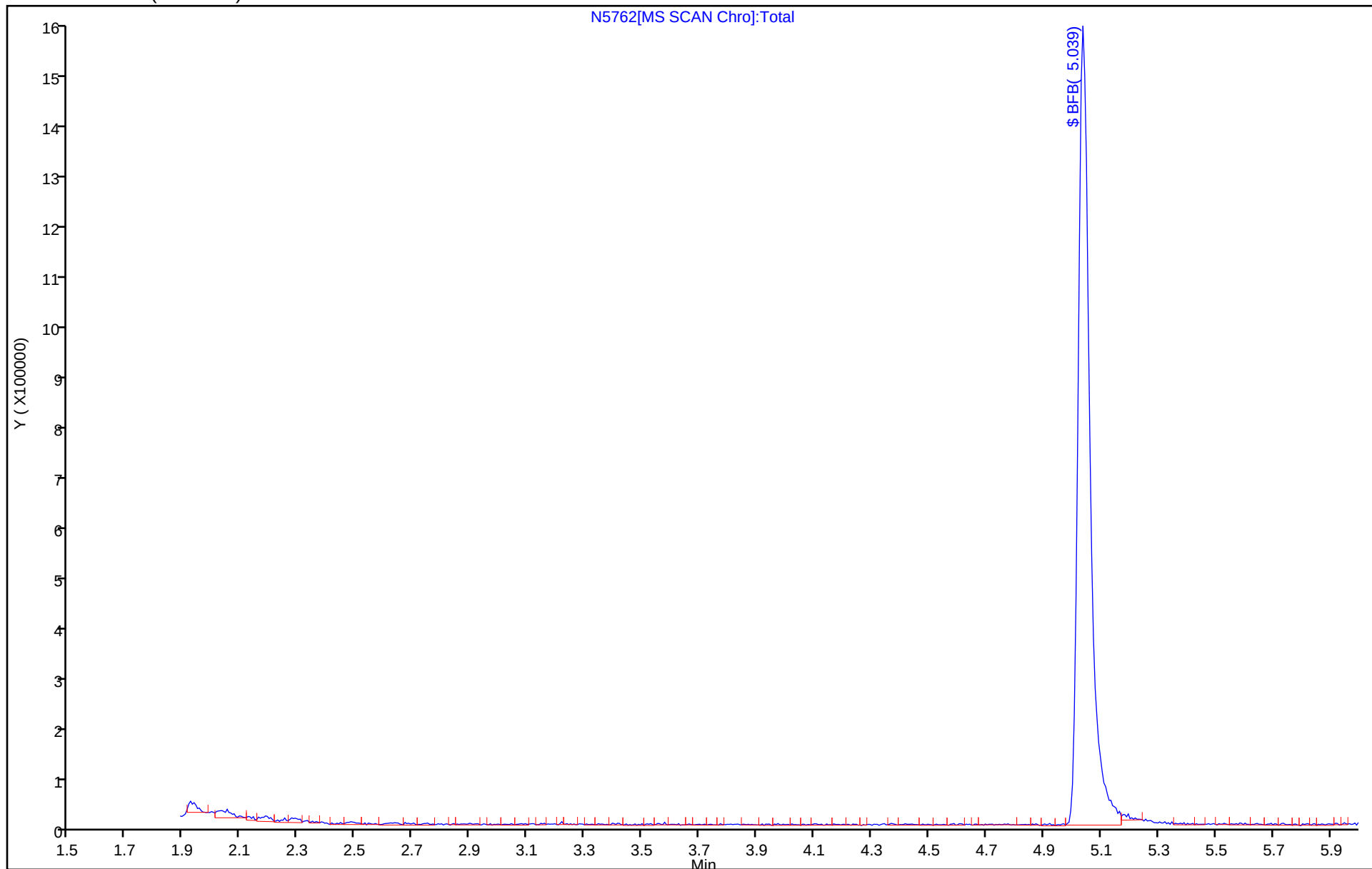
Dil. Factor: 1.0000

ALS Bottle#: 33

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-595264/8
 Matrix: Water Lab File ID: N5767.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 01:22
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 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
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-595264/8
 Matrix: Water Lab File ID: N5767.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 01:22
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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)	113		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		75-123
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5767.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 04-Sep-2021 01:22:30 ALS Bottle#: 38 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0100806-008
 Operator ID: AK/LH Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Sep-2021 09:17:07 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1604

First Level Reviewer: kiwana

Date: 07-Sep-2021 09:17:07

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	5.406	5.406	0.000	98	113720	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.399	0.006	90	450830	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	95	246708	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	90	155909	25.0	26.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.138	5.139	-0.001	98	211138	25.0	28.2	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	95	564337	25.0	25.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	92	182455	25.0	26.5	
11 Dichlorodifluoromethane	85		1.282					ND	
12 Chlorodifluoromethane	51		1.300					ND	
13 Chloromethane	50		1.452					ND	
14 Vinyl chloride	62		1.549					ND	
144 Butadiene	54		1.555					ND	
15 Bromomethane	94		1.854					ND	
16 Chloroethane	64		1.933					ND	
17 Dichlorofluoromethane	67		2.158					ND	
18 Trichlorofluoromethane	101		2.164					ND	
19 Ethyl ether	59		2.438					ND	
141 Ethanol	45		2.462					ND	
81 Propene oxide	58		2.529					ND	
20 Acrolein	56		2.614					ND	
21 112TCTFE	101		2.650					ND	
22 1,1-Dichloroethene	96		2.657					ND	
23 Acetone	43		2.772					ND	
24 Iodomethane	142		2.827					ND	
25 Carbon disulfide	76		2.857					ND	
26 Isopropyl alcohol	45		2.967					ND	
27 3-Chloro-1-propene	41		3.022					ND	
28 Methyl acetate	43		3.070					ND	
29 Acetonitrile	40		3.082					ND	
30 Methylene Chloride	84		3.168					ND	
31 2-Methyl-2-propanol	59		3.344					ND	

U

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		3.381					ND	
33 trans-1,2-Dichloroethene	96		3.393					ND	
34 Acrylonitrile	53		3.447					ND	
35 Hexane	57		3.587					ND	
36 1,1-Dichloroethane	63		3.812					ND	
37 Isopropyl ether	45		3.824					ND	
38 2-Chloro-1,3-butadiene	53		3.867					ND	
39 Vinyl acetate	43		3.867					ND	
40 1,1-Dimethoxyethane	75		3.904					ND	
41 Tert-butyl ethyl ether	59		4.165					ND	
42 2,2-Dichloropropane	77		4.330					ND	
43 cis-1,2-Dichloroethene	96		4.366					ND	
44 2-Butanone (MEK)	43		4.403					ND	
45 Ethyl acetate	43		4.433					ND	7
46 Propionitrile	54		4.506					ND	
47 Chlorobromomethane	128		4.597					ND	
48 Methacrylonitrile	67		4.615					ND	
49 Tetrahydrofuran	42		4.622					ND	
50 Chloroform	83		4.676					ND	
51 1,1,1-Trichloroethane	97		4.792					ND	
52 Cyclohexane	56		4.798					ND	
53 Carbon tetrachloride	117		4.926					ND	
54 1,1-Dichloropropene	75		4.938					ND	
146 Isooctane	57		5.132					ND	
55 Benzene	78		5.145					ND	
56 Isobutyl alcohol	43		5.169					ND	
57 1,2-Dichloroethane	62		5.212					ND	
58 Tert-amyl methyl ether	73		5.224					ND	
140 t-Amyl alcohol	59		5.230					ND	
59 n-Heptane	43		5.321					ND	
1 1,4-Difluorobenzene	114		5.528					ND	
60 Trichloroethene	95		5.753					ND	
61 n-Butanol	56		5.789					ND	
62 Methylcyclohexane	83		5.869					ND	
145 Ethyl acrylate	55		5.875					ND	
63 1,2-Dichloropropane	63		5.996					ND	
65 Methyl methacrylate	41		6.094					ND	
64 Dibromomethane	93		6.130					ND	
66 1,4-Dioxane	88		6.142					ND	
67 Dichlorobromomethane	83		6.282					ND	
68 2-Nitropropane	43		6.538					ND	
69 2-Chloroethyl vinyl ether	63		6.562					ND	
70 Epichlorohydrin	57		6.653					ND	
71 cis-1,3-Dichloropropene	75		6.702					ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.848					ND	U
73 Toluene	92		6.982					ND	
74 2-Methylthiophene	97		7.122					ND	
75 trans-1,3-Dichloropropene	75		7.268					ND	
76 3-Methylthiophene	97		7.286					ND	
77 Ethyl methacrylate	69		7.317					ND	
78 1,1,2-Trichloroethane	83		7.457					ND	
79 Tetrachloroethene	166		7.511					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		7.615					ND	
82 2-Hexanone	43		7.688					ND	
149 n-Butyl acetate	43		7.791					ND	
83 Chlorodibromomethane	129		7.852					ND	
84 Ethylene Dibromide	107		7.961					ND	
139 1-Chlorohexane	55		8.381					ND	U
86 3-Chlorobenzotrifluoride	180		8.405					ND	
85 Chlorobenzene	112		8.430					ND	
87 4-Chlorobenzotrifluoride	180		8.466					ND	
88 Ethylbenzene	91		8.527					ND	
89 1,1,1,2-Tetrachloroethane	131		8.527					ND	
90 m-Xylene & p-Xylene	106		8.649					ND	
91 o-Xylene	106		9.075					ND	
92 Styrene	104		9.099					ND	
93 Bromoform	173		9.355					ND	
94 2-Chlorobenzotrifluoride	180		9.385					ND	
95 Isopropylbenzene	105		9.458					ND	
96 Cyclohexanone	55		9.634					ND	7
97 Bromobenzene	156		9.811					ND	
98 1,1,2,2-Tetrachloroethane	83		9.872					ND	
100 N-Propylbenzene	91		9.890					ND	
99 1,2,3-Trichloropropane	110		9.896					ND	
101 trans-1,4-Dichloro-2-butene	53		9.908					ND	
102 2-Chlorotoluene	126		9.993					ND	
103 3-Chlorotoluene	126		10.054					ND	
104 1,3,5-Trimethylbenzene	105		10.066					ND	
105 4-Chlorotoluene	91		10.103					ND	
106 tert-Butylbenzene	134		10.389					ND	
108 1,2,4-Trimethylbenzene	105		10.437					ND	
107 Pentachloroethane	167		10.443					ND	
109 sec-Butylbenzene	105		10.596					ND	
110 1,3-Dichlorobenzene	146		10.729					ND	
111 4-Isopropyltoluene	119		10.736					ND	
112 Dicyclopentadiene	66		10.796					ND	
113 1,4-Dichlorobenzene	146		10.821					ND	
114 1,2,3-Trimethylbenzene	105		10.845					ND	
143 Benzyl chloride	126		10.967					ND	
115 n-Butylbenzene	91		11.125					ND	
116 1,2-Dichlorobenzene	146		11.174					ND	
117 1,2-Dibromo-3-Chloropropane	75		11.904					ND	
118 1,3,5-Trichlorobenzene	180		12.037					ND	
119 1,2,4-Trichlorobenzene	180		12.579					ND	
120 Hexachlorobutadiene	225		12.688					ND	
121 Naphthalene	128		12.792					ND	
122 1,2,3-Trichlorobenzene	180		12.999					ND	
142 2-Methylnaphthalene	142		13.710					ND	U
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 123 1,3-Dichloropropene, Total	1		30.000					ND	7
S 124 1,2-Dichloroethene, 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 126 Xylenes, Total	1		30.000					ND	7
S 125 Total BTEX	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_00218

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 07-Sep-2021 09:17:07

Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5767.D

Injection Date: 04-Sep-2021 01:22:30

Instrument ID: HP5973N

Operator ID: AK/LH

Lims ID: MB

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

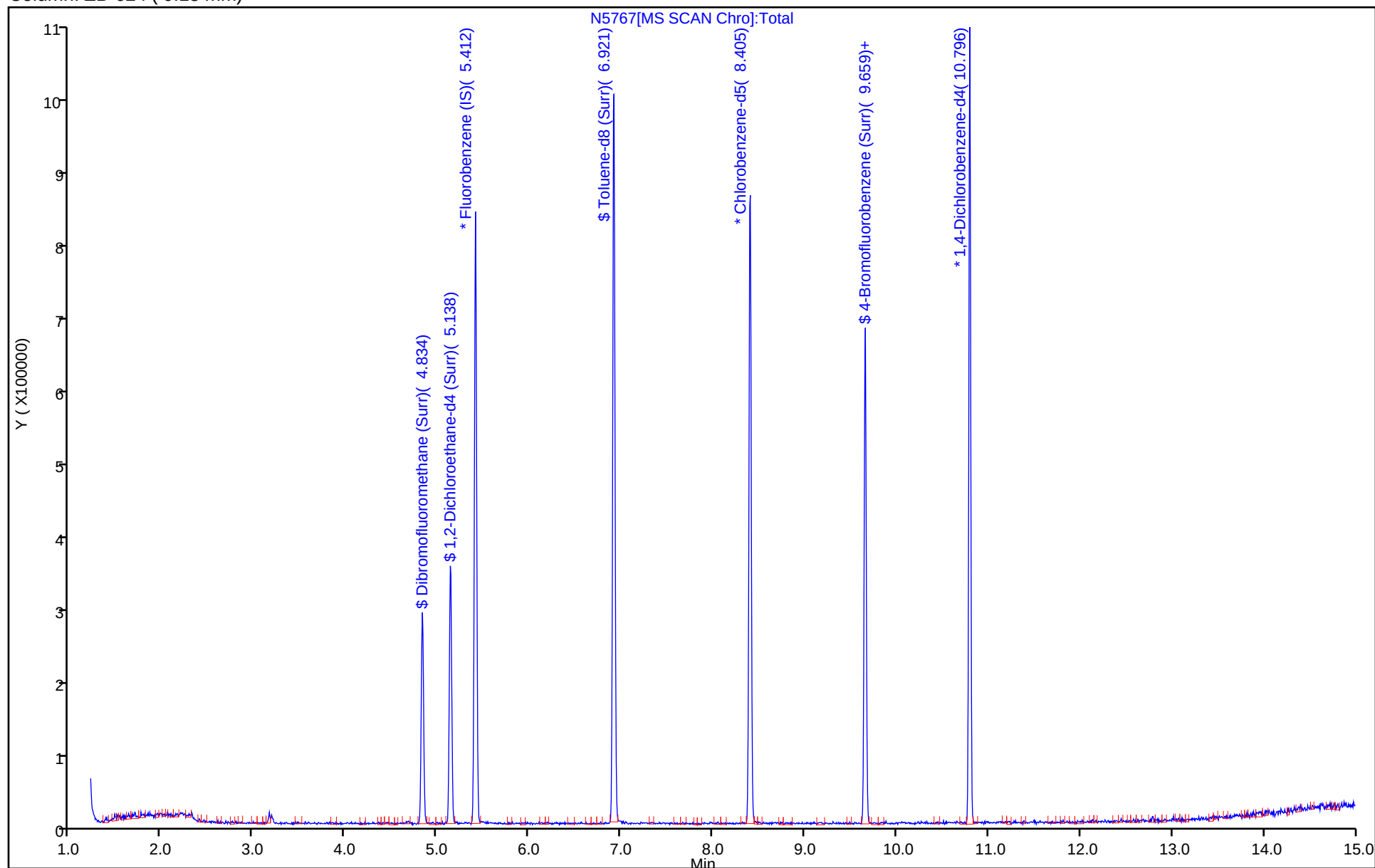
Dil. Factor: 1.0000

ALS Bottle#: 38

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5767.D

Injection Date: 04-Sep-2021 01:22:30

Instrument ID: HP5973N

Lims ID: MB

Client ID:

Operator ID: AK/LH

ALS Bottle#:

38

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

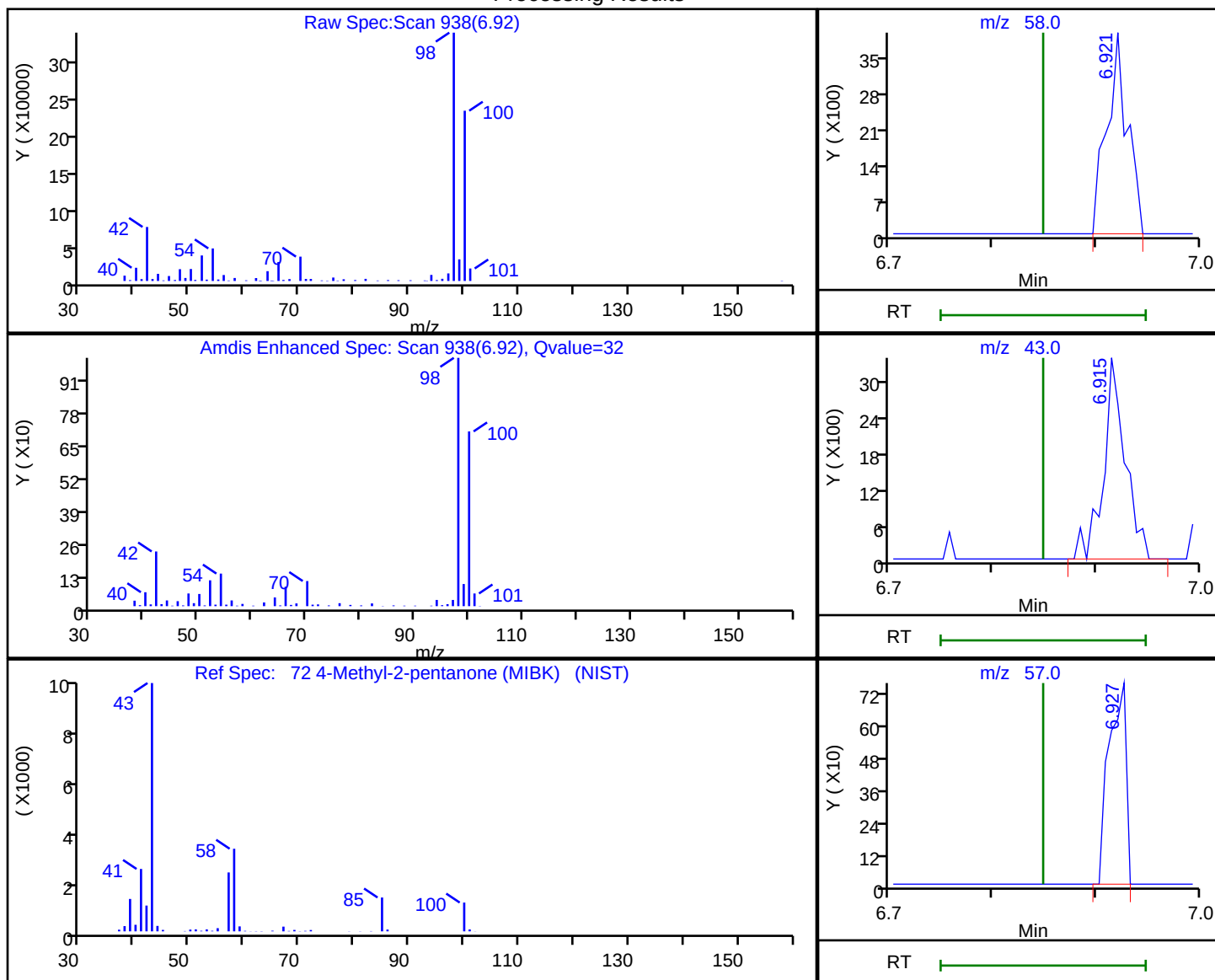
Column: ZB-624 (0.18 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.92	58.00	5536	1.197465
6.91	43.00	4937	
6.93	57.00	885	

Reviewer: kiwana, 07-Sep-2021 09:16:45

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-595662/7
 Matrix: Water Lab File ID: C7453.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 09/09/2021 10:32
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595662 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
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-595662/7
 Matrix: Water Lab File ID: C7453.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 09/09/2021 10:32
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595662 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		75-123
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7453.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 09-Sep-2021 10:32:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0100868-007
 Operator ID: OI/AK Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Sep-2021 11:36:22 Calib Date: 01-Sep-2021 21:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7205.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1659

First Level Reviewer: kiwana

Date: 09-Sep-2021 11:36:22

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	4.800	4.801	0.000	99	141425	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	85	315365	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.977	8.977	0.000	95	388099	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	92	246417	25.0	26.8	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.583	0.000	97	129858	25.0	25.7	
\$ 5 Toluene-d8 (Surr)	98	5.982	5.982	0.000	94	699523	25.0	24.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.044	8.044	0.000	91	222843	25.0	24.5	
10 Dichlorodifluoromethane	85		1.080					ND	
11 Chlorodifluoromethane	51		1.091					ND	
12 Chloromethane	50		1.236					ND	
13 Vinyl chloride	62		1.329					ND	
151 Butadiene	54		1.339					ND	
14 Bromomethane	94		1.609					ND	
15 Chloroethane	64		1.691					ND	
16 Dichlorofluoromethane	67		1.899					ND	
17 Trichlorofluoromethane	101		1.909					ND	
18 Ethyl ether	59		2.179					ND	
148 Ethanol	45		2.199					ND	
19 Propene oxide	58		2.262					ND	
20 Acrolein	56		2.355					ND	
21 112TCTFE	101		2.386					ND	
22 1,1-Dichloroethene	96		2.396					ND	
23 Acetone	43		2.510					ND	
25 Iodomethane	142		2.552					ND	
26 Carbon disulfide	76		2.583					ND	
24 Isopropyl alcohol	45		2.697					ND	
28 3-Chloro-1-propene	41		2.749					ND	
27 Methyl acetate	43		2.790					ND	
29 Acetonitrile	40		2.800					ND	
30 Methylene Chloride	84		2.883					ND	
31 2-Methyl-2-propanol	59		3.039					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		3.070					ND	
34 trans-1,2-Dichloroethene	96		3.090					ND	
33 Acrylonitrile	53		3.142					ND	
35 Hexane	57		3.267					ND	
39 1,1-Dichloroethane	63		3.464					ND	
36 Isopropyl ether	45		3.474					ND	
37 Vinyl acetate	43		3.505					ND	
135 Halothane	117		3.505					ND	
40 2-Chloro-1,3-butadiene	53		3.515					ND	
38 1,1-Dimethoxyethane	75		3.536					ND	
41 Tert-butyl ethyl ether	59		3.764					ND	
44 2,2-Dichloropropane	77		3.909					ND	
45 cis-1,2-Dichloroethene	96		3.940					ND	
43 2-Butanone (MEK)	43		3.971					ND	
42 Ethyl acetate	43		3.992					ND	
46 Propionitrile	54		4.054					ND	
48 Chlorobromomethane	128		4.137					ND	
49 Tetrahydrofuran	42		4.148					ND	
47 Methacrylonitrile	41		4.148					ND	
50 Chloroform	83		4.199					ND	
51 1,1,1-Trichloroethane	97		4.293					ND	
52 Cyclohexane	56		4.303					ND	
55 Carbon tetrachloride	117		4.407					ND	
54 1,1-Dichloropropene	75		4.417					ND	
57 Benzene	78		4.583					ND	
152 Isooctane	57		4.583					ND	
53 Isobutyl alcohol	43		4.593					ND	
58 1,2-Dichloroethane	62		4.645					ND	
147 t-Amyl alcohol	59		4.645					ND	
56 Tert-amyl methyl ether	73		4.645					ND	U
59 n-Heptane	43		4.728					ND	
1 1,4-Difluorobenzene	114		4.894					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.977					ND	
62 Trichloroethene	95		5.080					ND	
60 n-Butanol	56		5.091					ND	
142 Ethyl acrylate	55		5.163					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.163					ND	
64 Methylcyclohexane	83		5.173					ND	
65 1,2-Dichloropropane	63		5.267					ND	
63 Methyl methacrylate	41		5.339					ND	
67 Dibromomethane	93		5.370					ND	
66 1,4-Dioxane	88		5.381					ND	
68 Dichlorobromomethane	83		5.495					ND	
70 2-Nitropropane	43		5.681					ND	
69 2-Chloroethyl vinyl ether	63		5.702					ND	
71 Epichlorohydrin	57		5.775					ND	
72 cis-1,3-Dichloropropene	75		5.816					ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.920					ND	
74 Toluene	92		6.034					ND	
76 2-Methylthiophene	97		6.148					ND	
77 trans-1,3-Dichloropropene	75		6.241					ND	
75 Ethyl methacrylate	69		6.272					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
78 3-Methylthiophene	97		6.272					ND	
79 1,1,2-Trichloroethane	83		6.396					ND	
81 Tetrachloroethene	166		6.448					ND	
82 1,3-Dichloropropane	76		6.521					ND	
80 2-Hexanone	43		6.552					ND	
155 n-Butyl acetate	43		6.635					ND	
83 Chlorodibromomethane	129		6.697					ND	
84 Ethylene Dibromide	107		6.780					ND	
146 1-Chlorohexane	55		7.080					ND	U
85 3-Chlorobenzotrifluoride	180		7.101					ND	
87 Chlorobenzene	112		7.132					ND	
86 4-Chlorobenzotrifluoride	180		7.143					ND	
88 Ethylbenzene	91		7.194					ND	
89 1,1,1,2-Tetrachloroethane	131		7.205					ND	
90 m-Xylene & p-Xylene	106		7.288					ND	
91 o-Xylene	106		7.609					ND	
92 Styrene	104		7.629					ND	
95 Bromoform	173		7.826					ND	
93 2-Chlorobenzotrifluoride	180		7.827					ND	
94 Isopropylbenzene	105		7.889					ND	
96 Cyclohexanone	55		8.034					ND	
101 Bromobenzene	156		8.168					ND	
97 1,1,2,2-Tetrachloroethane	83		8.199					ND	
99 N-Propylbenzene	91		8.220					ND	
98 trans-1,4-Dichloro-2-butene	53		8.231					ND	
100 1,2,3-Trichloropropane	110		8.231					ND	
103 2-Chlorotoluene	126		8.313					ND	
102 1,3,5-Trimethylbenzene	105		8.355					ND	
104 3-Chlorotoluene	126		8.365					ND	
105 4-Chlorotoluene	126		8.396					ND	
106 tert-Butylbenzene	134		8.624					ND	
107 1,2,4-Trimethylbenzene	105		8.666					ND	
108 Pentachloroethane	167		8.676					ND	
109 sec-Butylbenzene	105		8.801					ND	
110 4-Isopropyltoluene	119		8.915					ND	
111 1,3-Dichlorobenzene	146		8.925					ND	
114 Dicyclopentadiene	66		8.987					ND	
113 1,4-Dichlorobenzene	146		8.997					ND	
112 1,2,3-Trimethylbenzene	105		9.018					ND	
150 Benzyl chloride	126		9.122					ND	
115 n-Butylbenzene	91		9.256					ND	
116 1,2-Dichlorobenzene	146		9.308					ND	
117 1,2-Dibromo-3-Chloropropane	75		9.982					ND	
118 1,3,5-Trichlorobenzene	180		10.106					ND	
119 1,2,4-Trichlorobenzene	180		10.635					ND	
120 Hexachlorobutadiene	225		10.738					ND	
121 Naphthalene	128		10.842					ND	
122 1,2,3-Trichlorobenzene	180		11.039					ND	
149 2-Methylnaphthalene	142		11.713					ND	
139 cis-1,4-Dichloro-2-butene	88		0.000					ND	
144 1-Bromopropane 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
136 Hexachloroethane	117		0.000					ND	
137 Nitrobenzene	77		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
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 125 1,2-Dichloroethene, 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:

C_8260_Surr_00174

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_IS_00157

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7453.D

Injection Date: 09-Sep-2021 10:32:30

Instrument ID: HP5973C

Operator ID: OI/AK

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

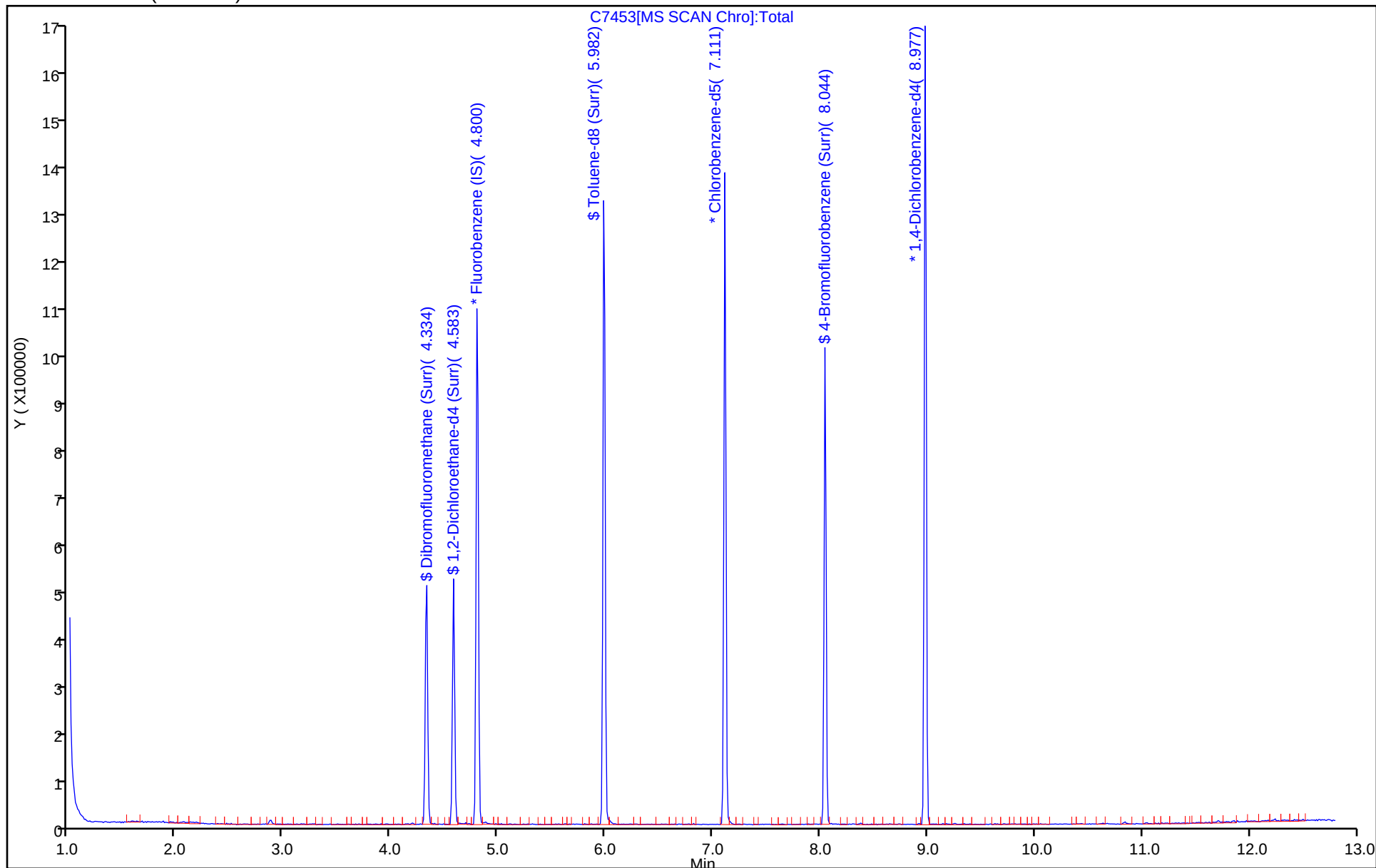
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-595264/6

Matrix: Water Lab File ID: N5765.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 00:36

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	23.6		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.7		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.2		1.0	0.31
79-00-5	1,1,2-Trichloroethane	22.5		1.0	0.23
75-34-3	1,1-Dichloroethane	23.0		1.0	0.38
75-35-4	1,1-Dichloroethene	20.3		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	23.1		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	22.8		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1.0	0.39
106-93-4	1,2-Dibromoethane	24.7		1.0	0.73
95-50-1	1,2-Dichlorobenzene	23.6		1.0	0.79
107-06-2	1,2-Dichloroethane	24.5		1.0	0.21
78-87-5	1,2-Dichloropropane	23.0		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	23.1		1.0	0.77
541-73-1	1,3-Dichlorobenzene	23.5		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.2		1.0	0.84
78-93-3	2-Butanone (MEK)	136		10	1.3
591-78-6	2-Hexanone	130		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	116		5.0	2.1
67-64-1	Acetone	156		10	3.0
71-43-2	Benzene	22.9		1.0	0.41
75-27-4	Bromodichloromethane	23.4		1.0	0.39
75-25-2	Bromoform	21.6		1.0	0.26
74-83-9	Bromomethane	16.9		1.0	0.69
75-15-0	Carbon disulfide	18.6		1.0	0.19
56-23-5	Carbon tetrachloride	22.4		1.0	0.27
108-90-7	Chlorobenzene	23.1		1.0	0.75
75-00-3	Chloroethane	17.9		1.0	0.32
67-66-3	Chloroform	22.8		1.0	0.34
74-87-3	Chloromethane	18.6		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	22.3		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	23.6		1.0	0.36
110-82-7	Cyclohexane	21.7		1.0	0.18
124-48-1	Dibromochloromethane	24.0		1.0	0.32
75-71-8	Dichlorodifluoromethane	15.2		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-595264/6
 Matrix: Water Lab File ID: N5765.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 00:36
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	21.9		1.0	0.74
98-82-8	Isopropylbenzene	22.6		1.0	0.79
79-20-9	Methyl acetate	50.7		2.5	1.3
1634-04-4	Methyl tert-butyl ether	22.9		1.0	0.16
108-87-2	Methylcyclohexane	20.8		1.0	0.16
75-09-2	Methylene Chloride	23.0		1.0	0.44
103-65-1	N-Propylbenzene	22.5		1.0	0.69
100-42-5	Styrene	22.4		1.0	0.73
127-18-4	Tetrachloroethene	23.1		1.0	0.36
108-88-3	Toluene	21.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	22.2		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	22.3		1.0	0.37
79-01-6	Trichloroethene	24.8		1.0	0.46
75-69-4	Trichlorofluoromethane	21.7		1.0	0.88
75-01-4	Vinyl chloride	17.1		1.0	0.90
1330-20-7	Xylenes, Total	44.3		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	109		75-123
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5765.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 04-Sep-2021 00:36:30 ALS Bottle#: 36 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0100806-006
 Operator ID: AK/LH Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Sep-2021 09:16:13 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1604

First Level Reviewer: kiwana

Date: 07-Sep-2021 09:16:13

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	5.412	5.406	0.006	98	128421	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.399	0.006	89	503501	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	95	260004	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	93	180403	25.0	27.3	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.138	5.139	-0.001	88	236399	25.0	27.9	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	631821	25.0	25.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.658	9.659	-0.001	91	192807	25.0	25.0	
11 Dichlorodifluoromethane	85	1.275	1.275	-0.007	98	95434	25.0	15.2	M
13 Chloromethane	50	1.452	1.450	0.000	99	278770	25.0	18.6	
14 Vinyl chloride	62	1.543	1.549	-0.006	98	164568	25.0	17.1	
144 Butadiene	54	1.561	1.555	0.006	97	253108	25.0	20.5	
15 Bromomethane	94	1.865	1.854	0.011	90	88028	25.0	16.9	
16 Chloroethane	64	1.951	1.933	0.018	93	114184	25.0	17.9	
17 Dichlorofluoromethane	67	2.157	2.158	-0.001	96	254669	25.0	20.8	
18 Trichlorofluoromethane	101	2.170	2.164	0.006	56	205159	25.0	21.7	
19 Ethyl ether	59	2.437	2.438	-0.001	92	213187	25.0	23.9	
20 Acrolein	56	2.614	2.614	0.000	98	51705	125.0	102.2	
21 112TCTFE	101	2.662	2.650	0.012	69	120201	25.0	21.2	
22 1,1-Dichloroethene	96	2.675	2.657	0.018	92	122720	25.0	20.3	
23 Acetone	43	2.772	2.772	0.000	97	650608	125.0	155.5	
24 Iodomethane	142	2.845	2.827	0.018	98	222843	25.0	21.3	
25 Carbon disulfide	76	2.869	2.857	0.012	98	348360	25.0	18.6	
27 3-Chloro-1-propene	41	3.021	3.022	-0.001	87	413460	25.0	19.4	
28 Methyl acetate	43	3.070	3.070	0.000	99	631501	50.0	50.7	
30 Methylene Chloride	84	3.204	3.168	0.036	87	156362	25.0	23.0	
31 2-Methyl-2-propanol	59	3.344	3.344	0.000	98	385043	250.0	315.4	
32 Methyl tert-butyl ether	73	3.374	3.381	-0.006	93	517789	25.0	22.9	
33 trans-1,2-Dichloroethene	96	3.392	3.393	-0.001	89	151281	25.0	22.2	
34 Acrylonitrile	53	3.447	3.447	0.000	98	1499152	250.0	250.6	
35 Hexane	57	3.587	3.587	0.000	96	297186	25.0	20.6	
36 1,1-Dichloroethane	63	3.812	3.812	0.000	96	344408	25.0	23.0	

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	3.867	3.867	0.000	96	1487231	50.0	47.7	
42 2,2-Dichloropropane	77	4.323	4.330	-0.007	83	110451	25.0	17.9	
43 cis-1,2-Dichloroethene	96	4.366	4.366	0.000	86	171018	25.0	22.3	
44 2-Butanone (MEK)	43	4.402	4.403	-0.001	96	1033908	125.0	136.1	
47 Chlorobromomethane	128	4.597	4.597	0.000	85	97257	25.0	23.7	
49 Tetrahydrofuran	42	4.621	4.622	-0.001	93	275670	50.0	50.4	
50 Chloroform	83	4.676	4.676	0.000	95	279515	25.0	22.8	
51 1,1,1-Trichloroethane	97	4.786	4.792	-0.006	95	231453	25.0	23.6	
52 Cyclohexane	56	4.798	4.798	0.000	94	385418	25.0	21.7	
53 Carbon tetrachloride	117	4.925	4.926	-0.001	94	203438	25.0	22.4	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	84	208847	25.0	23.1	
55 Benzene	78	5.144	5.145	-0.001	91	626120	25.0	22.9	
56 Isobutyl alcohol	43	5.169	5.169	0.000	93	543443	625.0	665.7	
57 1,2-Dichloroethane	62	5.211	5.212	-0.001	94	305581	25.0	24.5	
59 n-Heptane	43	5.321	5.321	0.000	96	369580	25.0	19.4	
60 Trichloroethene	95	5.753	5.753	0.000	94	164978	25.0	24.8	
62 Methylcyclohexane	83	5.868	5.869	-0.001	93	238398	25.0	20.8	
63 1,2-Dichloropropane	63	5.990	5.996	-0.006	85	193245	25.0	23.0	
64 Dibromomethane	93	6.130	6.130	0.000	95	113936	25.0	24.7	
66 1,4-Dioxane	88	6.142	6.142	0.000	43	40023	500.0	452.2	M
67 Dichlorobromomethane	83	6.282	6.282	0.000	95	204601	25.0	23.4	
69 2-Chloroethyl vinyl ether	63	6.562	6.562	0.000	85	139093	25.0	26.3	
71 cis-1,3-Dichloropropene	75	6.696	6.702	-0.006	84	254647	25.0	23.6	
72 4-Methyl-2-pentanone (MIBK)	58	6.848	6.848	0.000	97	597040	125.0	115.6	
73 Toluene	92	6.988	6.982	0.006	96	398275	25.0	21.8	
75 trans-1,3-Dichloropropene	75	7.268	7.268	0.000	93	241170	25.0	22.3	
77 Ethyl methacrylate	69	7.310	7.317	-0.007	86	214070	25.0	23.3	
78 1,1,2-Trichloroethane	83	7.456	7.457	0.000	92	118782	25.0	22.5	
79 Tetrachloroethene	166	7.517	7.511	0.006	95	171345	25.0	23.1	
80 1,3-Dichloropropane	76	7.621	7.615	0.005	89	252402	25.0	24.2	
82 2-Hexanone	43	7.687	7.688	-0.001	97	1322053	125.0	129.9	
83 Chlorodibromomethane	129	7.858	7.852	0.006	90	166246	25.0	24.0	
84 Ethylene Dibromide	107	7.961	7.961	0.000	97	160868	25.0	24.7	
85 Chlorobenzene	112	8.436	8.430	0.006	94	458397	25.0	23.1	
88 Ethylbenzene	91	8.527	8.527	0.000	98	731441	25.0	21.9	
89 1,1,1,2-Tetrachloroethane	131	8.533	8.527	0.006	93	175740	25.0	23.4	
90 m-Xylene & p-Xylene	106	8.649	8.649	0.000	98	280007	25.0	22.0	
91 o-Xylene	106	9.074	9.075	-0.001	97	273280	25.0	22.3	
92 Styrene	104	9.105	9.099	0.006	93	470043	25.0	22.4	
93 Bromoform	173	9.354	9.355	-0.001	97	105697	25.0	21.6	
95 Isopropylbenzene	105	9.458	9.458	0.000	97	724893	25.0	22.6	
97 Bromobenzene	156	9.805	9.811	-0.007	89	198488	25.0	24.6	
98 1,1,2,2-Tetrachloroethane	83	9.865	9.872	-0.007	95	203375	25.0	23.7	
100 N-Propylbenzene	91	9.890	9.890	0.000	99	846542	25.0	22.5	
99 1,2,3-Trichloropropane	110	9.896	9.896	0.000	94	67677	25.0	26.7	
101 trans-1,4-Dichloro-2-butene	53	9.914	9.908	0.006	79	74633	25.0	16.5	
102 2-Chlorotoluene	126	9.993	9.993	0.000	96	176806	25.0	24.0	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	96	596922	25.0	23.1	
105 4-Chlorotoluene	91	10.103	10.103	0.000	97	529301	25.0	22.4	
106 tert-Butylbenzene	134	10.382	10.389	-0.007	96	137254	25.0	23.6	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	98	602941	25.0	22.8	
109 sec-Butylbenzene	105	10.595	10.596	-0.001	95	753970	25.0	22.8	

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	10.729	10.729	0.000	98	364236	25.0	23.5	
111 4-Isopropyltoluene	119	10.735	10.736	-0.001	98	672340	25.0	22.5	
113 1,4-Dichlorobenzene	146	10.820	10.821	-0.001	95	368950	25.0	23.2	
115 n-Butylbenzene	91	11.125	11.125	0.000	98	566670	25.0	21.6	
116 1,2-Dichlorobenzene	146	11.173	11.174	-0.001	97	368593	25.0	23.6	
117 1,2-Dibromo-3-Chloropropane	75	11.903	11.904	-0.001	80	41715	25.0	19.8	
119 1,2,4-Trichlorobenzene	180	12.579	12.579	0.000	94	259676	25.0	23.1	
120 Hexachlorobutadiene	225	12.688	12.688	0.000	96	109097	25.0	20.4	
121 Naphthalene	128	12.792	12.792	0.000	97	713041	25.0	22.9	
122 1,2,3-Trichlorobenzene	180	12.992	12.999	-0.007	96	239776	25.0	21.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00212

Amount Added: 12.50

Units: uL

GAS CORP mix_00470

Amount Added: 12.50

Units: uL

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5765.D

Injection Date: 04-Sep-2021 00:36:30

Instrument ID: HP5973N

Operator ID: AK/LH

Lims ID: LCS

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

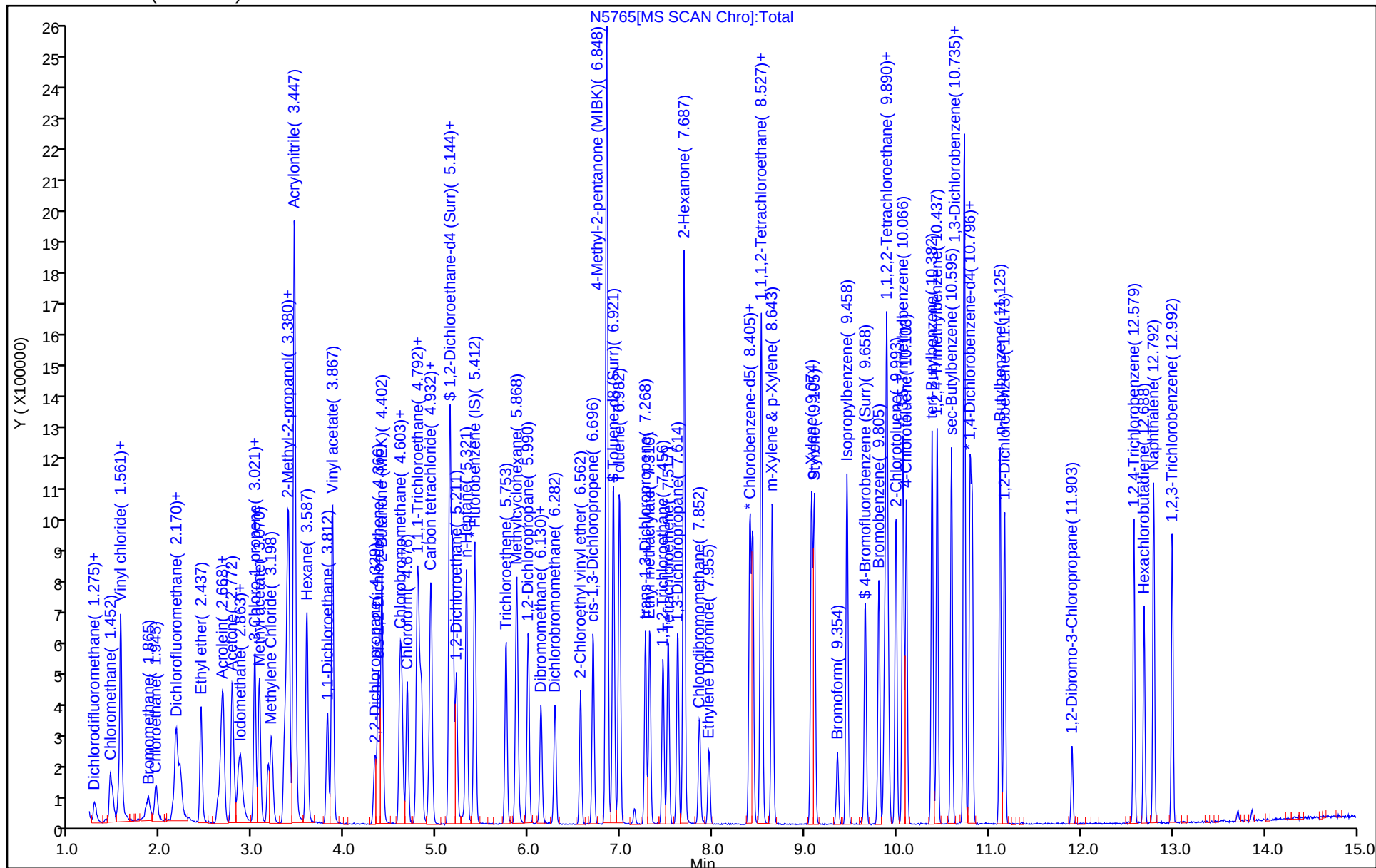
Dil. Factor: 1.0000

ALS Bottle#: 36

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

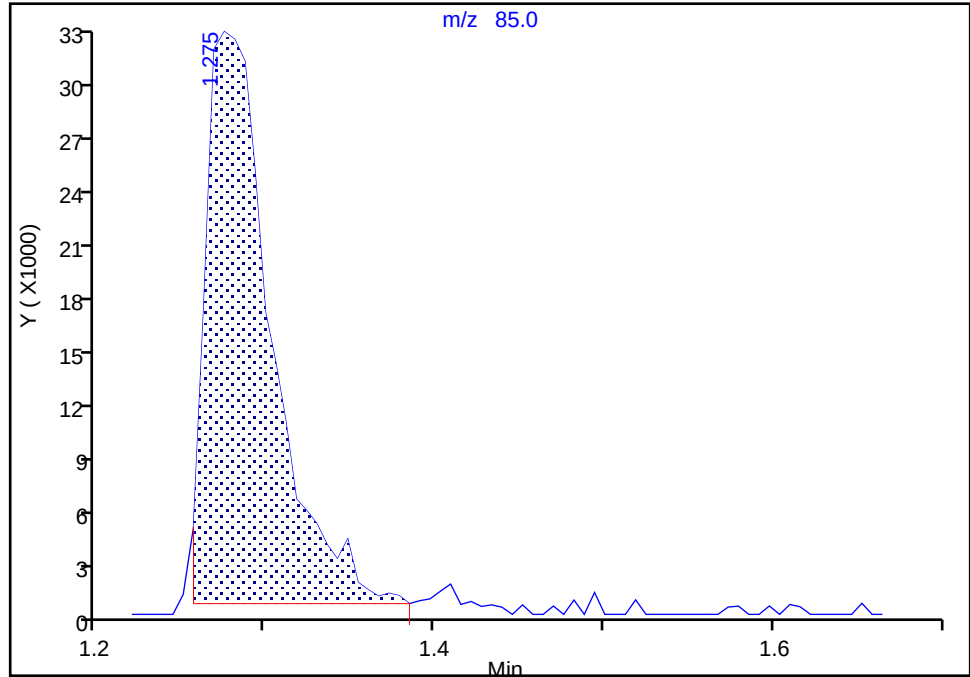
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5765.D
Injection Date: 04-Sep-2021 00:36:30 Instrument ID: HP5973N
Lims ID: LCS
Client ID:
Operator ID: AK/LH ALS Bottle#: 36 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

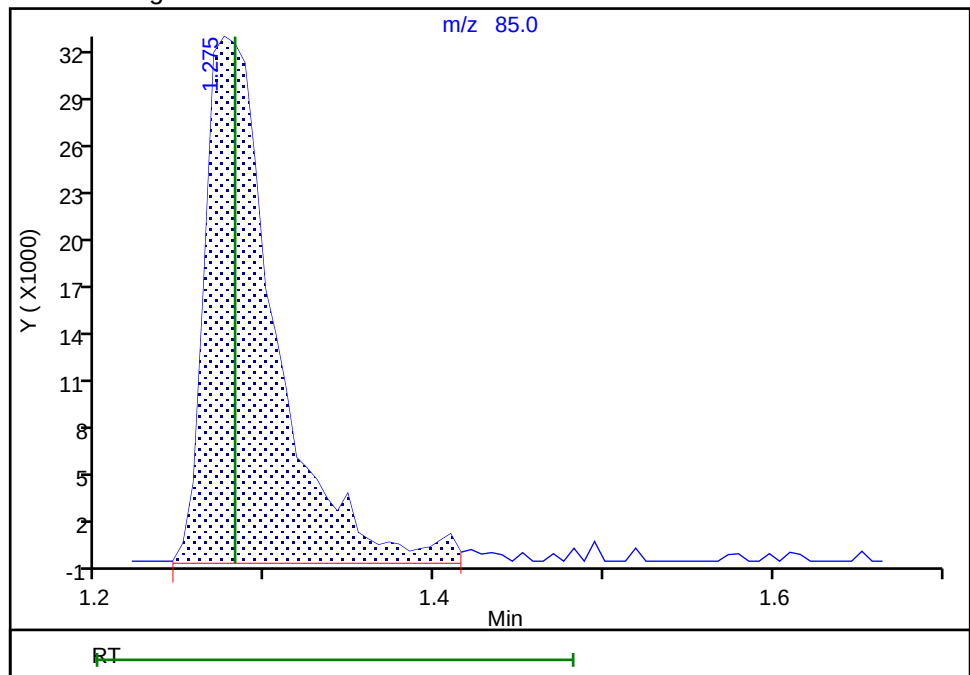
RT: 1.28
Area: 86964
Amount: 13.887780
Amount Units: ug/L

Processing Integration Results



RT: 1.28
Area: 95434
Amount: 15.240403
Amount Units: ug/L

Manual Integration Results



Reviewer: kiwana, 07-Sep-2021 09:12:00
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 593 of 624

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-595662/5
 Matrix: Water Lab File ID: C7451.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 09/09/2021 09:46
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595662 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.7		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.0		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17.9		1.0	0.31
79-00-5	1,1,2-Trichloroethane	23.0		1.0	0.23
75-34-3	1,1-Dichloroethane	25.1		1.0	0.38
75-35-4	1,1-Dichloroethene	22.4		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	27.5		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	25.4		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	25.1		1.0	0.39
106-93-4	1,2-Dibromoethane	25.8		1.0	0.73
95-50-1	1,2-Dichlorobenzene	25.7		1.0	0.79
107-06-2	1,2-Dichloroethane	22.7		1.0	0.21
78-87-5	1,2-Dichloropropane	24.4		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	25.1		1.0	0.77
541-73-1	1,3-Dichlorobenzene	26.0		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.1		1.0	0.84
78-93-3	2-Butanone (MEK)	138		10	1.3
591-78-6	2-Hexanone	145		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	130		5.0	2.1
67-64-1	Acetone	151		10	3.0
71-43-2	Benzene	23.7		1.0	0.41
75-27-4	Bromodichloromethane	22.1		1.0	0.39
75-25-2	Bromoform	24.4		1.0	0.26
74-83-9	Bromomethane	23.0		1.0	0.69
75-15-0	Carbon disulfide	20.2		1.0	0.19
56-23-5	Carbon tetrachloride	20.5		1.0	0.27
108-90-7	Chlorobenzene	24.1		1.0	0.75
75-00-3	Chloroethane	25.4		1.0	0.32
67-66-3	Chloroform	23.4		1.0	0.34
74-87-3	Chloromethane	22.7		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.8		1.0	0.36
110-82-7	Cyclohexane	18.1		1.0	0.18
124-48-1	Dibromochloromethane	22.4		1.0	0.32
75-71-8	Dichlorodifluoromethane	20.2		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-595662/5
 Matrix: Water Lab File ID: C7451.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 09/09/2021 09:46
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595662 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	24.3		1.0	0.74
98-82-8	Isopropylbenzene	24.8		1.0	0.79
79-20-9	Methyl acetate	50.6		2.5	1.3
1634-04-4	Methyl tert-butyl ether	28.4		1.0	0.16
108-87-2	Methylcyclohexane	18.9		1.0	0.16
75-09-2	Methylene Chloride	23.4		1.0	0.44
103-65-1	N-Propylbenzene	25.1		1.0	0.69
100-42-5	Styrene	24.6		1.0	0.73
127-18-4	Tetrachloroethene	22.4		1.0	0.36
108-88-3	Toluene	22.6		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.7		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.8		1.0	0.37
79-01-6	Trichloroethene	22.7		1.0	0.46
75-69-4	Trichlorofluoromethane	21.7		1.0	0.88
75-01-4	Vinyl chloride	24.0		1.0	0.90
1330-20-7	Xylenes, Total	50.5		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)	110		73-120
1868-53-7	Dibromofluoromethane (Surr)	111		75-123
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7451.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 09-Sep-2021 09:46:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0100868-005
 Operator ID: OI/AK Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Sep-2021 11:33:03 Calib Date: 01-Sep-2021 21:57:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973C\20210901-100746.b\C7205.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1659

First Level Reviewer: kiwana

Date: 09-Sep-2021 11:34:23

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	4.801	4.801	0.001	99	135995	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.112	7.111	0.001	85	287781	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.977	8.977	0.000	94	348736	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	245293	25.0	27.7	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.583	4.583	0.000	91	122150	25.0	25.1	
\$ 5 Toluene-d8 (Surr)	98	5.982	5.982	0.000	93	672944	25.0	25.5	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.044	8.044	0.000	90	227073	25.0	27.4	
10 Dichlorodifluoromethane	85	1.080	1.080	0.000	99	209529	25.0	20.2	
12 Chloromethane	50	1.236	1.236	0.000	99	343296	25.0	22.7	
13 Vinyl chloride	62	1.329	1.329	0.000	97	258498	25.0	24.0	
151 Butadiene	54	1.329	1.339	-0.010	97	265639	25.0	24.3	
14 Bromomethane	94	1.598	1.609	-0.011	90	160239	25.0	23.0	
15 Chloroethane	64	1.681	1.691	-0.010	97	156005	25.0	25.4	
16 Dichlorofluoromethane	67	1.889	1.899	-0.010	97	347850	25.0	23.9	
17 Trichlorofluoromethane	101	1.899	1.909	-0.010	97	277142	25.0	21.7	
18 Ethyl ether	59	2.179	2.179	0.000	97	213876	25.0	25.2	
20 Acrolein	56	2.355	2.355	0.000	99	50280	125.0	99.1	
21 112TCTFE	101	2.376	2.386	-0.010	90	160172	25.0	17.9	
22 1,1-Dichloroethene	96	2.386	2.396	-0.010	96	170860	25.0	22.4	
23 Acetone	43	2.510	2.510	0.000	99	765949	125.0	150.8	
25 Iodomethane	142	2.541	2.552	-0.011	99	377180	25.0	25.6	
26 Carbon disulfide	76	2.573	2.583	-0.011	100	590064	25.0	20.2	
28 3-Chloro-1-propene	41	2.738	2.749	-0.010	90	397930	25.0	23.8	
27 Methyl acetate	43	2.790	2.790	0.000	99	578140	50.0	50.6	
30 Methylene Chloride	84	2.883	2.883	0.000	99	239325	25.0	23.4	
31 2-Methyl-2-propanol	59	3.049	3.039	0.010	97	446676	250.0	393.0	
32 Methyl tert-butyl ether	73	3.070	3.070	0.000	98	688765	25.0	28.4	
34 trans-1,2-Dichloroethene	96	3.091	3.090	0.001	95	223923	25.0	25.7	
33 Acrylonitrile	53	3.142	3.142	0.000	99	1668159	250.0	258.7	
35 Hexane	57	3.256	3.267	-0.011	95	247064	25.0	17.5	
39 1,1-Dichloroethane	63	3.464	3.464	0.000	96	397487	25.0	25.1	

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	3.505	3.505	0.000	97	942696	50.0	54.1	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	91	184121	25.0	29.5	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	80	240618	25.0	25.1	
43 2-Butanone (MEK)	43	3.972	3.971	0.001	98	917188	125.0	138.0	
48 Chlorobromomethane	128	4.137	4.137	0.000	97	139620	25.0	25.9	
49 Tetrahydrofuran	42	4.148	4.148	0.000	93	244829	50.0	46.5	
50 Chloroform	83	4.200	4.199	0.001	95	370000	25.0	23.4	
51 1,1,1-Trichloroethane	97	4.293	4.293	0.000	98	282082	25.0	21.7	
52 Cyclohexane	56	4.303	4.303	0.000	95	360575	25.0	18.1	
55 Carbon tetrachloride	117	4.407	4.407	0.000	96	225174	25.0	20.5	
54 1,1-Dichloropropene	75	4.417	4.417	0.000	94	232694	25.0	23.0	
57 Benzene	78	4.583	4.583	0.000	98	689169	25.0	23.7	
53 Isobutyl alcohol	43	4.593	4.593	0.000	94	450415	625.0	887.3	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	282518	25.0	22.7	
59 n-Heptane	43	4.728	4.728	0.000	97	298404	25.0	19.8	
62 Trichloroethene	95	5.070	5.080	-0.010	95	176836	25.0	22.7	
64 Methylcyclohexane	83	5.174	5.173	0.001	95	296183	25.0	18.9	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	93	189585	25.0	24.4	
67 Dibromomethane	93	5.381	5.370	0.011	95	130775	25.0	23.6	
66 1,4-Dioxane	88	5.381	5.381	0.000	37	66112	500.0	701.7	
68 Dichlorobromomethane	83	5.495	5.495	0.000	98	214902	25.0	22.1	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	91	119426	25.0	25.9	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	92	226091	25.0	24.8	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	98	1817802	125.0	130.0	
74 Toluene	92	6.034	6.034	0.000	98	418083	25.0	22.6	
77 trans-1,3-Dichloropropene	75	6.251	6.241	0.010	98	196188	25.0	24.8	
75 Ethyl methacrylate	69	6.272	6.272	0.000	95	217254	25.0	29.6	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	93	132474	25.0	23.0	
81 Tetrachloroethene	166	6.448	6.448	0.000	96	188022	25.0	22.4	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	95	257122	25.0	23.8	
80 2-Hexanone	43	6.552	6.552	0.000	99	1199225	125.0	145.1	
83 Chlorodibromomethane	129	6.697	6.697	0.000	89	171031	25.0	22.4	
84 Ethylene Dibromide	107	6.780	6.780	0.000	99	175707	25.0	25.8	
87 Chlorobenzene	112	7.132	7.132	0.000	96	521807	25.0	24.1	
88 Ethylbenzene	91	7.194	7.194	0.000	98	846023	25.0	24.3	
89 1,1,1,2-Tetrachloroethane	131	7.205	7.205	0.000	93	183943	25.0	24.2	
90 m-Xylene & p-Xylene	106	7.288	7.288	0.000	97	342620	25.0	25.2	
91 o-Xylene	106	7.609	7.609	0.000	97	361923	25.0	25.3	
92 Styrene	104	7.630	7.630	0.001	96	559740	25.0	24.6	
95 Bromoform	173	7.827	7.827	0.001	97	116663	25.0	24.4	
94 Isopropylbenzene	105	7.889	7.889	0.000	95	928426	25.0	24.8	
101 Bromobenzene	156	8.169	8.168	0.001	92	240845	25.0	26.0	
97 1,1,2,2-Tetrachloroethane	83	8.200	8.200	0.001	96	305813	25.0	25.0	
99 N-Propylbenzene	91	8.220	8.220	0.000	98	1085852	25.0	25.1	
98 trans-1,4-Dichloro-2-butene	53	8.231	8.231	0.000	75	85494	25.0	22.6	
100 1,2,3-Trichloropropane	110	8.231	8.231	0.000	90	101371	25.0	23.4	
103 2-Chlorotoluene	126	8.314	8.314	0.001	98	243497	25.0	26.4	
102 1,3,5-Trimethylbenzene	105	8.355	8.355	0.000	95	818695	25.0	25.1	
105 4-Chlorotoluene	126	8.397	8.396	0.001	96	253966	25.0	27.4	
106 tert-Butylbenzene	134	8.625	8.624	0.001	92	186238	25.0	22.8	
107 1,2,4-Trimethylbenzene	105	8.666	8.666	0.000	97	857528	25.0	25.4	
109 sec-Butylbenzene	105	8.801	8.801	0.000	93	1042423	25.0	22.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	8.915	8.915	0.001	97	958222	25.0	23.1	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	98	519411	25.0	26.0	
113 1,4-Dichlorobenzene	146	8.998	8.998	0.001	95	518618	25.0	25.1	
115 n-Butylbenzene	91	9.257	9.257	0.001	97	845985	25.0	24.9	
116 1,2-Dichlorobenzene	146	9.308	9.308	0.000	98	532373	25.0	25.7	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.982	0.000	85	63891	25.0	25.1	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	94	419637	25.0	27.5	
120 Hexachlorobutadiene	225	10.739	10.739	0.001	98	170070	25.0	26.6	
121 Naphthalene	128	10.842	10.842	0.000	97	1350907	25.0	27.6	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	96	417828	25.0	28.5	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00212	Amount Added: 12.50	Units: uL	
GAS CORP mix_00471	Amount Added: 12.50	Units: uL	
C_8260_Surr_00174	Amount Added: 2.00	Units: uL	Run Reagent
C_8260_IS_00157	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210909-100868.b\C7451.D

Injection Date: 09-Sep-2021 09:46:30

Instrument ID: HP5973C

Operator ID: OI/AK

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

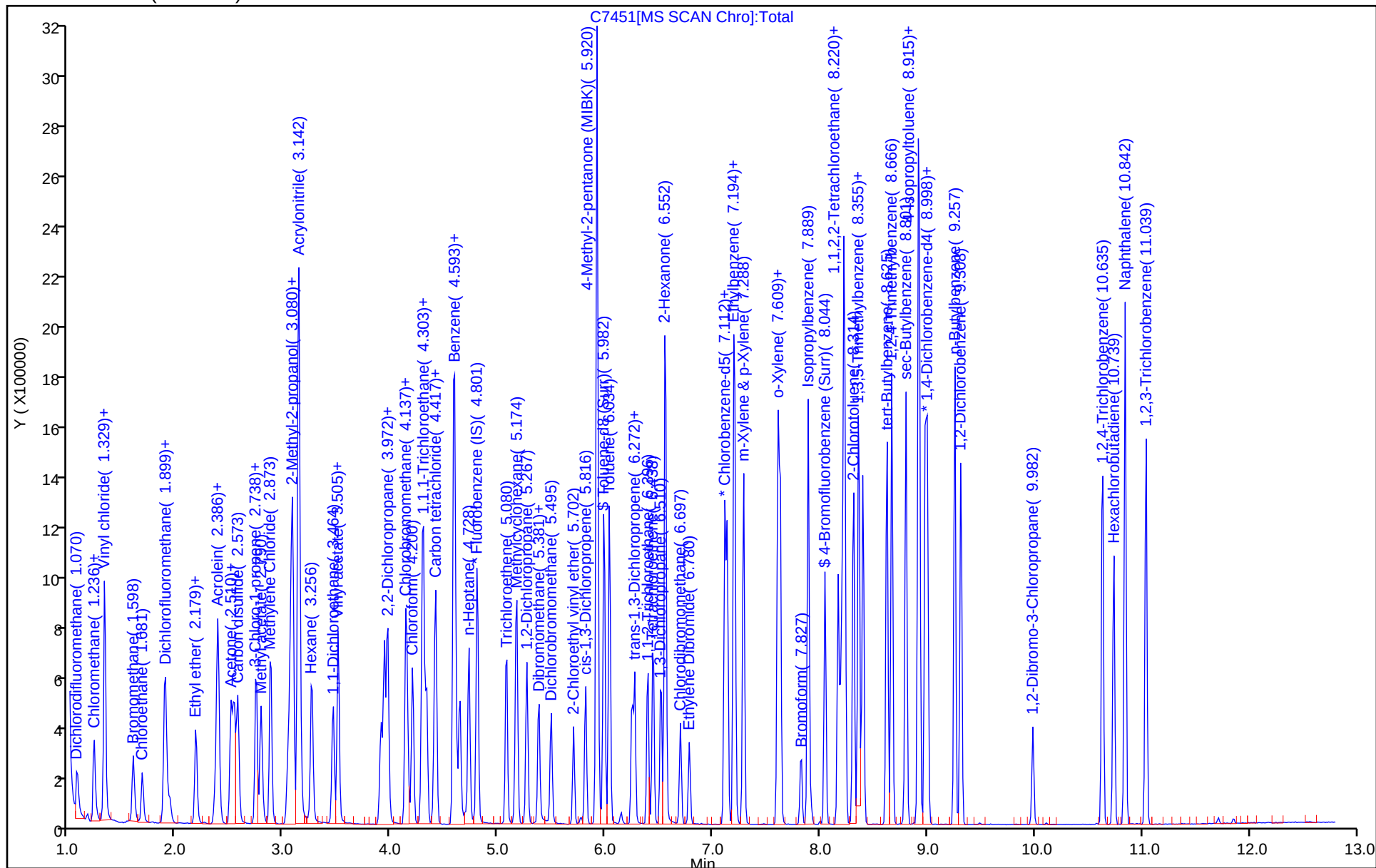
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Client Sample ID: IW-6-20210901 MS Lab Sample ID: 480-189085-4 MS

Matrix: Water Lab File ID: N5789.D

Analysis Method: 8260C Date Collected: 09/01/2021 11:10

Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 09:52

Soil Aliquot Vol: _____ Dilution Factor: 200

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

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

Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	4710		200	160
79-34-5	1,1,2,2-Tetrachloroethane	4530		200	42
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4060		200	62
79-00-5	1,1,2-Trichloroethane	4610		200	46
75-34-3	1,1-Dichloroethane	4610		200	76
75-35-4	1,1-Dichloroethene	3870		200	58
120-82-1	1,2,4-Trichlorobenzene	4670		200	82
95-63-6	1,2,4-Trimethylbenzene	9080		200	150
96-12-8	1,2-Dibromo-3-Chloropropane	4170		200	78
106-93-4	1,2-Dibromoethane	4860		200	150
95-50-1	1,2-Dichlorobenzene	4630		200	160
107-06-2	1,2-Dichloroethane	5180		200	42
78-87-5	1,2-Dichloropropane	4850		200	140
108-67-8	1,3,5-Trimethylbenzene	6700		200	150
541-73-1	1,3-Dichlorobenzene	4610		200	160
106-46-7	1,4-Dichlorobenzene	4400		200	170
78-93-3	2-Butanone (MEK)	28600		2000	260
591-78-6	2-Hexanone	25000		1000	250
108-10-1	4-Methyl-2-pentanone (MIBK)	22800		1000	420
67-64-1	Acetone	31200		2000	600
71-43-2	Benzene	4640		200	82
75-27-4	Bromodichloromethane	5110		200	78
75-25-2	Bromoform	4410		200	52
74-83-9	Bromomethane	4320		200	140
75-15-0	Carbon disulfide	4060		200	38
56-23-5	Carbon tetrachloride	4670		200	54
108-90-7	Chlorobenzene	4570		200	150
75-00-3	Chloroethane	4120		200	64
67-66-3	Chloroform	4610		200	68
74-87-3	Chloromethane	4010		200	70
156-59-2	cis-1,2-Dichloroethene	4590		200	160
10061-01-5	cis-1,3-Dichloropropene	4640		200	72
110-82-7	Cyclohexane	4120		200	36
124-48-1	Dibromochloromethane	4900		200	64
75-71-8	Dichlorodifluoromethane	3250		200	140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: IW-6-20210901 MS Lab Sample ID: 480-189085-4 MS
 Matrix: Water Lab File ID: N5789.D
 Analysis Method: 8260C Date Collected: 09/01/2021 11:10
 Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 09:52
 Soil Aliquot Vol: _____ Dilution Factor: 200
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	4220		200	150
98-82-8	Isopropylbenzene	4530		200	160
79-20-9	Methyl acetate	10700		500	260
1634-04-4	Methyl tert-butyl ether	4880		200	32
108-87-2	Methylcyclohexane	4060		200	32
75-09-2	Methylene Chloride	5140		200	88
103-65-1	N-Propylbenzene	4480		200	140
100-42-5	Styrene	4500		200	150
127-18-4	Tetrachloroethene	4560		200	72
108-88-3	Toluene	4250		200	100
156-60-5	trans-1,2-Dichloroethene	4490		200	180
10061-02-6	trans-1,3-Dichloropropene	4280		200	74
79-01-6	Trichloroethene	4820		200	92
75-69-4	Trichlorofluoromethane	4810		200	180
75-01-4	Vinyl chloride	4040		200	180
1330-20-7	Xylenes, Total	12000		400	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		75-123
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5789.D
 Lims ID: 480-189085-A-4 MS
 Client ID: IW-6-20210901
 Sample Type: MS
 Inject. Date: 04-Sep-2021 09:52:30 ALS Bottle#: 60 Worklist Smp#: 30
 Purge Vol: 5.000 mL Dil. Factor: 200.0000
 Sample Info: 480-189085-A-4 MS
 Misc. Info.: 480-0100806-030
 Operator ID: AK/LH Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Sep-2021 09:43:50 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1604

First Level Reviewer: kiwana

Date: 07-Sep-2021 09:44:15

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	5.412	5.406	0.006	98	107918	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.406	8.399	0.007	88	439804	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	95	240132	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	93	148959	25.0	26.8	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	66	203876	25.0	28.6	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	558258	25.0	25.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	91	173987	25.0	25.9	
11 Dichlorodifluoromethane	85	1.276	1.282	-0.006	98	85551	25000	16.3	
13 Chloromethane	50	1.452	1.452	0.000	99	253469	25000	20.1	
14 Vinyl chloride	62	1.543	1.549	-0.006	97	163504	25000	20.2	
15 Bromomethane	94	1.853	1.854	-0.001	92	94784	25000	21.6	
16 Chloroethane	64	1.933	1.933	0.000	95	110456	25000	20.6	
18 Trichlorofluoromethane	101	2.170	2.164	0.006	60	191218	25000	24.0	
21 112TCTFE	101	2.657	2.650	0.007	87	96717	25000	20.3	
22 1,1-Dichloroethene	96	2.663	2.657	0.006	90	98143	25000	19.3	
23 Acetone	43	2.778	2.772	0.006	96	548428	125000	156.0	
25 Carbon disulfide	76	2.869	2.857	0.012	98	319245	25000	20.3	
28 Methyl acetate	43	3.070	3.070	0.000	99	561434	50000	53.7	
30 Methylene Chloride	84	3.180	3.168	0.012	87	146100	25000	25.7	
32 Methyl tert-butyl ether	73	3.380	3.381	0.000	95	462696	25000	24.4	
33 trans-1,2-Dichloroethene	96	3.393	3.393	0.000	90	128454	25000	22.5	
36 1,1-Dichloroethane	63	3.812	3.812	0.000	97	289908	25000	23.1	
43 cis-1,2-Dichloroethene	96	4.366	4.366	0.000	86	148104	25000	23.0	
44 2-Butanone (MEK)	43	4.403	4.403	-0.001	96	912549	125000	142.9	
50 Chloroform	83	4.676	4.676	0.000	94	237099	25000	23.1	
51 1,1,1-Trichloroethane	97	4.792	4.792	0.000	94	194307	25000	23.6	
52 Cyclohexane	56	4.792	4.798	-0.006	96	308024	25000	20.6	
53 Carbon tetrachloride	117	4.926	4.926	0.000	94	178057	25000	23.3	
55 Benzene	78	5.145	5.145	0.000	89	533825	25000	23.2	
57 1,2-Dichloroethane	62	5.212	5.212	0.000	94	271622	25000	25.9	
60 Trichloroethene	95	5.753	5.753	0.000	93	134819	25000	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83	5.869	5.869	0.000	93	195594	25000	20.3	
63 1,2-Dichloropropane	63	5.990	5.996	-0.006	87	171015	25000	24.2	
67 Dichlorobromomethane	83	6.282	6.282	0.000	94	188077	25000	25.6	
71 cis-1,3-Dichloropropene	75	6.696	6.702	-0.006	82	210518	25000	23.2	
72 4-Methyl-2-pentanone (MIBK)	58	6.848	6.848	0.000	97	514626	125000	114.1	
73 Toluene	92	6.982	6.987	0.000	96	339578	25000	21.3	
75 trans-1,3-Dichloropropene	75	7.268	7.273	0.000	92	201924	25000	21.4	
78 1,1,2-Trichloroethane	83	7.456	7.462	0.000	94	106222	25000	23.0	
79 Tetrachloroethene	166	7.511	7.517	0.000	95	147788	25000	22.8	
82 2-Hexanone	43	7.688	7.688	0.000	97	1110983	125000	125.0	
83 Chlorodibromomethane	129	7.852	7.858	0.000	88	147962	25000	24.5	
84 Ethylene Dibromide	107	7.955	7.967	-0.006	100	138125	25000	24.3	
85 Chlorobenzene	112	8.430	8.436	0.000	94	396335	25000	22.9	
88 Ethylbenzene	91	8.527	8.533	0.000	98	614797	25000	21.1	
90 m-Xylene & p-Xylene	106	8.643	8.655	-0.006	97	259754	25000	23.3	
91 o-Xylene	106	9.075	9.081	0.000	98	394454	25000	36.8	
92 Styrene	104	9.105	9.106	0.006	95	412840	25000	22.5	
93 Bromoform	173	9.355	9.361	0.000	96	94373	25000	22.0	
95 Isopropylbenzene	105	9.458	9.458	0.000	97	670212	25000	22.7	
98 1,1,2,2-Tetrachloroethane	83	9.866	9.872	-0.006	94	180013	25000	22.7	
100 N-Propylbenzene	91	9.890	9.890	0.000	99	779437	25000	22.4	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	95	800871	25000	33.5	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	97	1109455	25000	45.4	
110 1,3-Dichlorobenzene	146	10.729	10.729	0.000	97	329495	25000	23.1	
113 1,4-Dichlorobenzene	146	10.821	10.821	0.000	94	323634	25000	22.0	
116 1,2-Dichlorobenzene	146	11.174	11.174	0.000	97	333261	25000	23.1	
117 1,2-Dibromo-3-Chloropropane	75	11.904	11.904	0.000	82	40553	25000	20.8	
119 1,2,4-Trichlorobenzene	180	12.579	12.579	0.000	94	242301	25000	23.3	
S 126 Xylenes, Total	1				0			60.1	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00212

Amount Added: 12.50

Units: mL

GAS CORP mix_00470

Amount Added: 12.50

Units: mL

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5789.D

Injection Date: 04-Sep-2021 09:52:30

Instrument ID: HP5973N

Operator ID: AK/LH

Lims ID: 480-189085-A-4 MS

Worklist Smp#: 30

Client ID: IW-6-20210901

Purge Vol: 5.000 mL

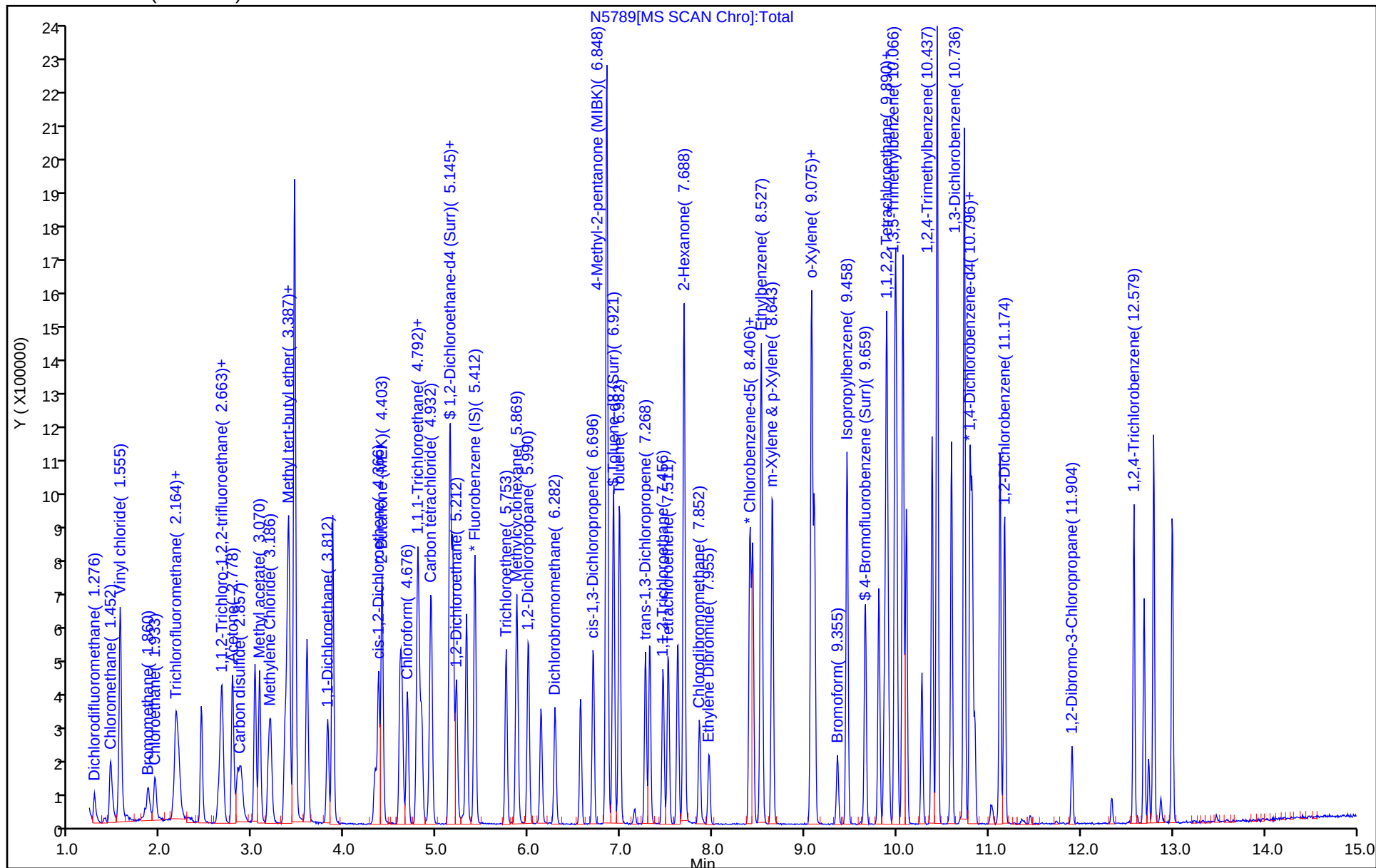
Dil. Factor: 200.0000

ALS Bottle#: 60

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Client Sample ID: IW-6-20210901 MSD Lab Sample ID: 480-189085-4 MSD

Matrix: Water Lab File ID: N5790.D

Analysis Method: 8260C Date Collected: 09/01/2021 11:10

Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 10:15

Soil Aliquot Vol: _____ Dilution Factor: 200

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

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

Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	4800		200	160
79-34-5	1,1,2,2-Tetrachloroethane	4760		200	42
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4230		200	62
79-00-5	1,1,2-Trichloroethane	4550		200	46
75-34-3	1,1-Dichloroethane	4720		200	76
75-35-4	1,1-Dichloroethene	4120		200	58
120-82-1	1,2,4-Trichlorobenzene	4610		200	82
95-63-6	1,2,4-Trimethylbenzene	9210		200	150
96-12-8	1,2-Dibromo-3-Chloropropane	4660		200	78
106-93-4	1,2-Dibromoethane	4940		200	150
95-50-1	1,2-Dichlorobenzene	4610		200	160
107-06-2	1,2-Dichloroethane	5120		200	42
78-87-5	1,2-Dichloropropane	4450		200	140
108-67-8	1,3,5-Trimethylbenzene	6700		200	150
541-73-1	1,3-Dichlorobenzene	4720		200	160
106-46-7	1,4-Dichlorobenzene	4660		200	170
78-93-3	2-Butanone (MEK)	28100		2000	260
591-78-6	2-Hexanone	25100		1000	250
108-10-1	4-Methyl-2-pentanone (MIBK)	23100		1000	420
67-64-1	Acetone	30800		2000	600
71-43-2	Benzene	4570		200	82
75-27-4	Bromodichloromethane	4860		200	78
75-25-2	Bromoform	4800		200	52
74-83-9	Bromomethane	4360		200	140
75-15-0	Carbon disulfide	3970		200	38
56-23-5	Carbon tetrachloride	4590		200	54
108-90-7	Chlorobenzene	4500		200	150
75-00-3	Chloroethane	4220		200	64
67-66-3	Chloroform	4660		200	68
74-87-3	Chloromethane	3880		200	70
156-59-2	cis-1,2-Dichloroethene	4650		200	160
10061-01-5	cis-1,3-Dichloropropene	4570		200	72
110-82-7	Cyclohexane	4110		200	36
124-48-1	Dibromochloromethane	4830		200	64
75-71-8	Dichlorodifluoromethane	3070		200	140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1
 SDG No.: _____
 Client Sample ID: IW-6-20210901 MSD Lab Sample ID: 480-189085-4 MSD
 Matrix: Water Lab File ID: N5790.D
 Analysis Method: 8260C Date Collected: 09/01/2021 11:10
 Sample wt/vol: 5 (mL) Date Analyzed: 09/04/2021 10:15
 Soil Aliquot Vol: _____ Dilution Factor: 200
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 595264 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	4210		200	150
98-82-8	Isopropylbenzene	4570		200	160
79-20-9	Methyl acetate	11000		500	260
1634-04-4	Methyl tert-butyl ether	4910		200	32
108-87-2	Methylcyclohexane	4030		200	32
75-09-2	Methylene Chloride	5200		200	88
103-65-1	N-Propylbenzene	4520		200	140
100-42-5	Styrene	4570		200	150
127-18-4	Tetrachloroethene	4410		200	72
108-88-3	Toluene	4150		200	100
156-60-5	trans-1,2-Dichloroethene	4440		200	180
10061-02-6	trans-1,3-Dichloropropene	4280		200	74
79-01-6	Trichloroethene	4900		200	92
75-69-4	Trichlorofluoromethane	4760		200	180
75-01-4	Vinyl chloride	4190		200	180
1330-20-7	Xylenes, Total	12000		400	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	115		75-123
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5790.D
 Lims ID: 480-189085-A-4 MSD
 Client ID: IW-6-20210901
 Sample Type: MSD
 Inject. Date: 04-Sep-2021 10:15:30 ALS Bottle#: 61 Worklist Smp#: 31
 Purge Vol: 5.000 mL Dil. Factor: 200.0000
 Sample Info: 480-189085-A-4 MSD
 Misc. Info.: 480-0100806-031
 Operator ID: AK/LH Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 07-Sep-2021 09:43:50 Calib Date: 26-Aug-2021 19:36:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5370.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1604

First Level Reviewer: kiwana

Date: 07-Sep-2021 09:48:02

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	5.412	5.406	0.006	98	109824	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.399	0.006	88	448245	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	95	240574	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.828	4.834	-0.006	93	162686	25.0	28.8	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	67	208809	25.0	28.8	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	557794	25.0	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	92	177152	25.0	25.8	
11 Dichlorodifluoromethane	85	1.276	1.282	-0.006	98	82305	25000	15.4	
13 Chloromethane	50	1.446	1.452	-0.006	99	249537	25000	19.4	
14 Vinyl chloride	62	1.543	1.549	-0.006	98	172614	25000	20.9	
15 Bromomethane	94	1.847	1.854	-0.007	94	97357	25000	21.8	
16 Chloroethane	64	1.933	1.933	0.000	93	115147	25000	21.1	
18 Trichlorofluoromethane	101	2.164	2.164	0.000	60	192415	25000	23.8	
21 112TCTFE	101	2.650	2.650	0.000	76	102698	25000	21.2	
22 1,1-Dichloroethene	96	2.663	2.657	0.006	90	106296	25000	20.6	
23 Acetone	43	2.772	2.772	0.000	97	551253	125000	154.1	
25 Carbon disulfide	76	2.857	2.857	0.000	97	318375	25000	19.9	
28 Methyl acetate	43	3.064	3.070	-0.006	99	584174	50000	54.9	
30 Methylene Chloride	84	3.174	3.168	0.006	88	150489	25000	26.0	
32 Methyl tert-butyl ether	73	3.374	3.381	-0.006	95	473443	25000	24.5	
33 trans-1,2-Dichloroethene	96	3.393	3.393	0.000	90	129292	25000	22.2	
36 1,1-Dichloroethane	63	3.812	3.812	0.000	96	301806	25000	23.6	
43 cis-1,2-Dichloroethene	96	4.360	4.366	-0.006	86	152473	25000	23.2	
44 2-Butanone (MEK)	43	4.396	4.403	-0.007	96	913919	125000	140.7	
50 Chloroform	83	4.676	4.676	0.000	95	243821	25000	23.3	
51 1,1,1-Trichloroethane	97	4.786	4.792	-0.006	96	201622	25000	24.0	
52 Cyclohexane	56	4.792	4.798	-0.006	95	312881	25000	20.6	
53 Carbon tetrachloride	117	4.926	4.926	0.000	92	178125	25000	22.9	
55 Benzene	78	5.139	5.145	-0.006	89	534169	25000	22.8	
57 1,2-Dichloroethane	62	5.212	5.212	0.000	94	273347	25000	25.6	
60 Trichloroethene	95	5.753	5.753	0.000	93	139535	25000	24.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83	5.869	5.869	0.000	92	197627	25000	20.2	
63 1,2-Dichloropropane	63	5.990	5.996	-0.006	81	159934	25000	22.3	
67 Dichlorobromomethane	83	6.282	6.282	0.000	95	182132	25000	24.3	
71 cis-1,3-Dichloropropene	75	6.696	6.702	-0.006	83	210850	25000	22.9	
72 4-Methyl-2-pentanone (MIBK)	58	6.848	6.848	0.000	97	531391	125000	115.6	
73 Toluene	92	6.982	6.987	0.000	97	337636	25000	20.7	
75 trans-1,3-Dichloropropene	75	7.268	7.273	0.000	94	205919	25000	21.4	
78 1,1,2-Trichloroethane	83	7.456	7.462	0.000	95	106958	25000	22.8	
79 Tetrachloroethene	166	7.511	7.517	0.000	95	145782	25000	22.1	
82 2-Hexanone	43	7.682	7.688	-0.006	97	1138771	125000	125.7	
83 Chlorodibromomethane	129	7.852	7.858	0.000	89	148721	25000	24.1	
84 Ethylene Dibromide	107	7.955	7.967	-0.006	99	143120	25000	24.7	
85 Chlorobenzene	112	8.430	8.436	0.000	94	397184	25000	22.5	
88 Ethylbenzene	91	8.527	8.533	0.000	98	625258	25000	21.0	
90 m-Xylene & p-Xylene	106	8.649	8.655	0.000	97	260593	25000	23.0	
91 o-Xylene	106	9.075	9.081	0.000	98	406194	25000	37.2	
92 Styrene	104	9.105	9.106	0.006	93	427354	25000	22.8	
93 Bromoform	173	9.355	9.361	0.000	97	104803	25000	24.0	
95 Isopropylbenzene	105	9.458	9.458	0.000	96	677516	25000	22.9	
98 1,1,2,2-Tetrachloroethane	83	9.866	9.872	-0.006	94	189469	25000	23.8	
100 N-Propylbenzene	91	9.890	9.890	0.000	99	786483	25000	22.6	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	96	802380	25000	33.5	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	98	1127972	25000	46.1	
110 1,3-Dichlorobenzene	146	10.729	10.729	0.000	97	338286	25000	23.6	
113 1,4-Dichlorobenzene	146	10.821	10.821	0.000	96	343074	25000	23.3	
116 1,2-Dichlorobenzene	146	11.174	11.174	0.000	97	332807	25000	23.1	
117 1,2-Dibromo-3-Chloropropane	75	11.904	11.904	0.000	79	45431	25000	23.3	
119 1,2,4-Trichlorobenzene	180	12.579	12.579	0.000	95	239696	25000	23.0	
S 126 Xylenes, Total	1				0			60.2	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00212

Amount Added: 12.50

Units: mL

GAS CORP mix_00470

Amount Added: 12.50

Units: mL

N 8260 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210903-100806.b\N5790.D

Injection Date: 04-Sep-2021 10:15:30

Instrument ID: HP5973N

Operator ID: AK/LH

Lims ID: 480-189085-A-4 MSD

Worklist Smp#: 31

Client ID: IW-6-20210901

Purge Vol: 5.000 mL

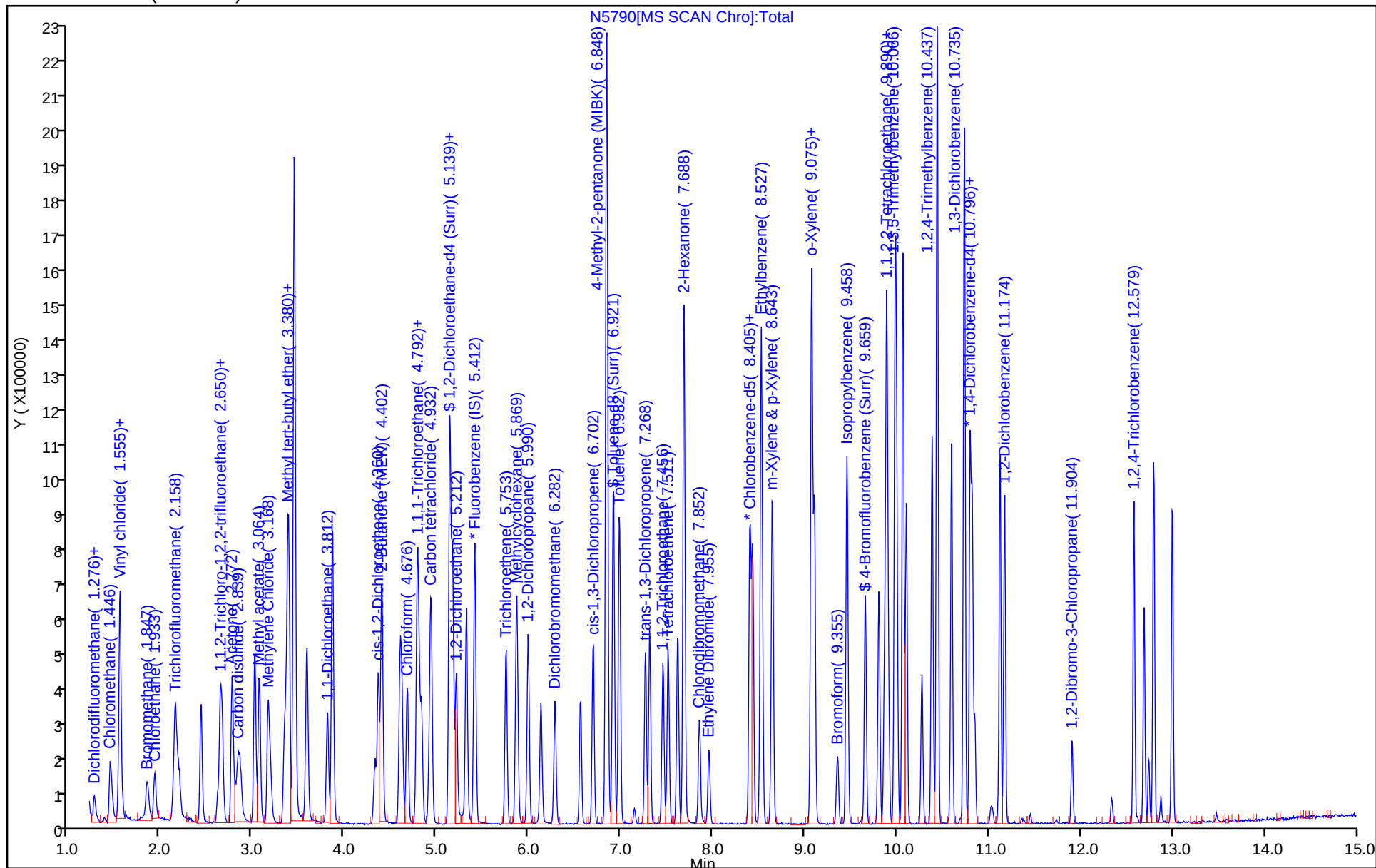
Dil. Factor: 200.0000

ALS Bottle#: 61

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-189085-1

SDG No.: _____

Instrument ID: HP5973CStart Date: 09/01/2021 14:15Analysis Batch Number: 594935End Date: 09/01/2021 23:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-594935/14		09/01/2021 14:15	1	C7185.D	ZB-624 (20) 0.18 (mm)
IC 480-594935/16		09/01/2021 15:06	1	C7187.D	ZB-624 (20) 0.18 (mm)
IC 480-594935/17		09/01/2021 15:29	1	C7188.D	ZB-624 (20) 0.18 (mm)
IC 480-594935/18		09/01/2021 15:52	1	C7189.D	ZB-624 (20) 0.18 (mm)
IC 480-594935/19		09/01/2021 16:15	1	C7190.D	ZB-624 (20) 0.18 (mm)
IC 480-594935/20		09/01/2021 16:38	1	C7191.D	ZB-624 (20) 0.18 (mm)
ICIS 480-594935/21		09/01/2021 17:01	1	C7192.D	ZB-624 (20) 0.18 (mm)
IC 480-594935/22		09/01/2021 17:23	1	C7193.D	ZB-624 (20) 0.18 (mm)
IC 480-594935/23		09/01/2021 17:46	1	C7194.D	ZB-624 (20) 0.18 (mm)
MDLV 480-594935/25		09/01/2021 18:31	1		ZB-624 (20) 0.18 (mm)
IC 480-594935/28		09/01/2021 19:40	1		ZB-624 (20) 0.18 (mm)
IC 480-594935/29		09/01/2021 20:02	1		ZB-624 (20) 0.18 (mm)
IC 480-594935/30		09/01/2021 20:25	1		ZB-624 (20) 0.18 (mm)
IC 480-594935/31		09/01/2021 20:48	1		ZB-624 (20) 0.18 (mm)
IC 480-594935/32		09/01/2021 21:11	1		ZB-624 (20) 0.18 (mm)
IC 480-594935/33		09/01/2021 21:34	1		ZB-624 (20) 0.18 (mm)
IC 480-594935/34		09/01/2021 21:57	1		ZB-624 (20) 0.18 (mm)
MDLV 480-594935/36		09/01/2021 22:42	1		ZB-624 (20) 0.18 (mm)
ICV 480-594935/37		09/01/2021 23:05	1	C7208.D	ZB-624 (20) 0.18 (mm)
ICV 480-594935/38		09/01/2021 23:28	1		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-189085-1

SDG No.: _____

Instrument ID: HP5973CStart Date: 09/09/2021 08:36Analysis Batch Number: 595662End Date: 09/09/2021 19:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-595662/2		09/09/2021 08:36	1	C7448.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-595662/3		09/09/2021 09:01	1	C7449.D	ZB-624 (20) 0.18 (mm)
CCV 480-595662/4		09/09/2021 09:23	1		ZB-624 (20) 0.18 (mm)
LCS 480-595662/5		09/09/2021 09:46	1	C7451.D	ZB-624 (20) 0.18 (mm)
RL 480-595662/6		09/09/2021 10:09	1		ZB-624 (20) 0.18 (mm)
MB 480-595662/7		09/09/2021 10:32	1	C7453.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 11:04	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 11:27	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 11:49	2		ZB-624 (20) 0.18 (mm)
480-189085-2 DL	IW-3-20210901 DL	09/09/2021 12:12	5	C7457.D	ZB-624 (20) 0.18 (mm)
480-189085-3	VRI-1-20210901	09/09/2021 12:35	8	C7458.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 12:57	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 13:20	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 13:43	20		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 14:06	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 14:29	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 14:52	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 15:16	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 15:39	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 16:01	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 16:24	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 16:46	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 17:10	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 17:32	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 17:55	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 18:18	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 18:41	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 19:04	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 19:27	20		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/09/2021 19:50	20		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-189085-1

SDG No.: _____

Instrument ID: HP5973NStart Date: 08/26/2021 11:52Analysis Batch Number: 594200End Date: 08/26/2021 21:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-594200/5		08/26/2021 11:52	1	N5350.D	ZB-624 (20) 0.18 (mm)
IC 480-594200/7		08/26/2021 12:40	1	N5352.D	ZB-624 (20) 0.18 (mm)
IC 480-594200/8		08/26/2021 13:03	1	N5353.D	ZB-624 (20) 0.18 (mm)
IC 480-594200/9		08/26/2021 13:26	1	N5354.D	ZB-624 (20) 0.18 (mm)
IC 480-594200/10		08/26/2021 13:49	1	N5355.D	ZB-624 (20) 0.18 (mm)
IC 480-594200/11		08/26/2021 14:12	1	N5356.D	ZB-624 (20) 0.18 (mm)
ICIS 480-594200/12		08/26/2021 14:35	1	N5357.D	ZB-624 (20) 0.18 (mm)
IC 480-594200/13		08/26/2021 14:58	1	N5358.D	ZB-624 (20) 0.18 (mm)
IC 480-594200/14		08/26/2021 15:22	1	N5359.D	ZB-624 (20) 0.18 (mm)
MDLV 480-594200/16		08/26/2021 16:08	1		ZB-624 (20) 0.18 (mm)
IC 480-594200/19		08/26/2021 17:17	1		ZB-624 (20) 0.18 (mm)
IC 480-594200/20		08/26/2021 17:40	1		ZB-624 (20) 0.18 (mm)
IC 480-594200/21		08/26/2021 18:04	1		ZB-624 (20) 0.18 (mm)
IC 480-594200/22		08/26/2021 18:27	1		ZB-624 (20) 0.18 (mm)
IC 480-594200/23		08/26/2021 18:50	1		ZB-624 (20) 0.18 (mm)
IC 480-594200/24		08/26/2021 19:13	1		ZB-624 (20) 0.18 (mm)
IC 480-594200/25		08/26/2021 19:36	1		ZB-624 (20) 0.18 (mm)
MDLV 480-594200/27		08/26/2021 20:23	1		ZB-624 (20) 0.18 (mm)
ICV 480-594200/28		08/26/2021 20:46	1	N5373.D	ZB-624 (20) 0.18 (mm)
ICV 480-594200/29		08/26/2021 21:09	1		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-189085-1

SDG No.:

Instrument ID: HP5973N

Start Date: 09/03/2021 23:25

Analysis Batch Number: 595264

End Date: 09/04/2021 10:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-595264/3		09/03/2021 23:25	1	N5762.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-595264/4		09/03/2021 23:48	1	N5763.D	ZB-624 (20) 0.18 (mm)
CCV 480-595264/5		09/04/2021 00:12	1		ZB-624 (20) 0.18 (mm)
LCS 480-595264/6		09/04/2021 00:36	1	N5765.D	ZB-624 (20) 0.18 (mm)
MB 480-595264/8		09/04/2021 01:22	1	N5767.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		09/04/2021 01:46	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/04/2021 02:09	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/04/2021 02:32	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/04/2021 02:55	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/04/2021 03:19	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/04/2021 03:42	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/04/2021 04:05	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/04/2021 04:28	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		09/04/2021 04:52	1		ZB-624 (20) 0.18 (mm)
480-189085-1	GT-9R-20210831	09/04/2021 05:15	1	N5777.D	ZB-624 (20) 0.18 (mm)
480-189085-2	IW-3-20210901	09/04/2021 05:38	2	N5778.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		09/04/2021 06:01	20		ZB-624 (20) 0.18 (mm)
480-189085-4	IW-6-20210901	09/04/2021 06:24	200	N5780.D	ZB-624 (20) 0.18 (mm)
480-189085-5	FB-20210901	09/04/2021 06:47	1	N5781.D	ZB-624 (20) 0.18 (mm)
480-189085-6	GT-16-20210901	09/04/2021 07:10	2	N5782.D	ZB-624 (20) 0.18 (mm)
480-189085-7	GT-14-20210901	09/04/2021 07:33	2	N5783.D	ZB-624 (20) 0.18 (mm)
480-189085-8	VRI-4-20210901	09/04/2021 07:56	1	N5784.D	ZB-624 (20) 0.18 (mm)
480-189085-9	VRI-3-20210901	09/04/2021 08:19	2	N5785.D	ZB-624 (20) 0.18 (mm)
480-189085-10	VRI-9-20210901	09/04/2021 08:43	2	N5786.D	ZB-624 (20) 0.18 (mm)
480-189085-11	Duplicate-20210901	09/04/2021 09:06	20	N5787.D	ZB-624 (20) 0.18 (mm)
480-189085-12	Trip Blank	09/04/2021 09:29	1	N5788.D	ZB-624 (20) 0.18 (mm)
480-189085-4 MS	IW-6-20210901 MS	09/04/2021 09:52	200	N5789.D	ZB-624 (20) 0.18 (mm)
480-189085-4 MSD	IW-6-20210901 MSD	09/04/2021 10:15	200	N5790.D	ZB-624 (20) 0.18 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Batch Number: 594200 Batch Start Date: 08/26/21 11:52 Batch Analyst: Hill, Leah CBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00212	BFB_WRK 00124	GAS CORP mix 00469	N 8260 IS 00218
BFB 480-594200/5		8260C		1 uL	1 uL		1 uL		
IC 480-594200/7		8260C		5 mL	5 mL	0.5 uL		0.5 uL	1 uL
IC 480-594200/8		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-594200/9		8260C		5 mL	5 mL	2 uL		2 uL	1 uL
IC 480-594200/10		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
IC 480-594200/11		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
ICIS 480-594200/12		8260C		5 mL	5 mL	12.5 uL		12.5 uL	1 uL
IC 480-594200/13		8260C		5 mL	5 mL	25 uL		25 uL	1 uL
IC 480-594200/14		8260C		5 mL	5 mL	50 uL		50 uL	1 uL
ICV 480-594200/28		8260C		5 mL	5 mL				1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	N_8260_Surr 00420	SS 8260 CORP 00093	SS GAS CORP 00418			
BFB 480-594200/5		8260C							
IC 480-594200/7		8260C		1 uL					
IC 480-594200/8		8260C		1 uL					
IC 480-594200/9		8260C		1 uL					
IC 480-594200/10		8260C		1 uL					
IC 480-594200/11		8260C		1 uL					
ICIS 480-594200/12		8260C		1 uL					
IC 480-594200/13		8260C		1 uL					
IC 480-594200/14		8260C		1 uL					
ICV 480-594200/28		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.

8260C

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Batch Number: 594200 Batch Start Date: 08/26/21 11:52 Batch Analyst: Hill, Leah CBatch 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.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Batch Number: 594935 Batch Start Date: 09/01/21 14:15 Batch Analyst: Hill, Leah CBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00212	BFB_WRK 00125	C_8260_IS 00157	C_8260_Surr 00174
BFB 480-594935/14		8260C		1 uL	1 uL		1 uL		
IC 480-594935/16		8260C		5 mL	5 mL	0.4 uL		2 uL	2 uL
IC 480-594935/17		8260C		5 mL	5 mL	1 uL		2 uL	2 uL
IC 480-594935/18		8260C		5 mL	5 mL	2 uL		2 uL	2 uL
IC 480-594935/19		8260C		5 mL	5 mL	5 uL		2 uL	2 uL
IC 480-594935/20		8260C		5 mL	5 mL	5 uL		2 uL	2 uL
ICIS 480-594935/21		8260C		5 mL	5 mL	12.5 uL		2 uL	2 uL
IC 480-594935/22		8260C		5 mL	5 mL	25 uL		2 uL	2 uL
IC 480-594935/23		8260C		5 mL	5 mL	50 uL		2 uL	2 uL
ICV 480-594935/37		8260C		5 mL	5 mL			2 uL	2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00470	SS 8260 CORP 00093	SS GAS CORP 00419			
BFB 480-594935/14		8260C							
IC 480-594935/16		8260C		0.4 uL					
IC 480-594935/17		8260C		1 uL					
IC 480-594935/18		8260C		2 uL					
IC 480-594935/19		8260C		5 uL					
IC 480-594935/20		8260C		5 uL					
ICIS 480-594935/21		8260C		12.5 uL					
IC 480-594935/22		8260C		25 uL					
IC 480-594935/23		8260C		50 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.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Batch Number: 594935 Batch Start Date: 09/01/21 14:15 Batch Analyst: Hill, Leah CBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00470	SS 8260 CORP 00093	SS GAS CORP 00419			
ICV 480-594935/37		8260C			12.5 uL	12.5 uL			

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Batch Number: 595264 Batch Start Date: 09/03/21 23:25 Batch Analyst: Kiwan, Ahmad xBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00212	BFB_WRK 00124	GAS CORP mix 00470
BFB 480-595264/3		8260C		1 uL	1 uL			1 uL	
CCVIS 480-595264/4		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-595264/6		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-595264/8		8260C		5 mL	5 mL				
480-189085-A-1	GT-9R-20210831	8260C	T	5 mL	5 mL	<2 SU			
480-189085-A-2	IW-3-20210901	8260C	T	5 mL	5 mL	<2 SU			
480-189085-A-4	IW-6-20210901	8260C	T	5 mL	5 mL	<2 SU			
480-189085-A-5	FB-20210901	8260C	T	5 mL	5 mL	<2 SU			
480-189085-A-6	GT-16-20210901	8260C	T	5 mL	5 mL	<2 SU			
480-189085-A-7	GT-14-20210901	8260C	T	5 mL	5 mL	<2 SU			
480-189085-A-8	VRI-4-20210901	8260C	T	5 mL	5 mL	<2 SU			
480-189085-A-9	VRI-3-20210901	8260C	T	5 mL	5 mL	<2 SU			
480-189085-A-10	VRI-9-20210901	8260C	T	5 mL	5 mL	<2 SU			
480-189085-A-11	Duplicate-20210901	8260C	T	5 mL	5 mL	<2 SU			
480-189085-A-12	Trip Blank	8260C	T	5 mL	5 mL	<2 SU			
480-189085-A-4 MS	IW-6-20210901	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-189085-A-4 MSD	IW-6-20210901	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	N 8260 IS 00218	N_8260_Surr 00420	AnalysisComment			
BFB 480-595264/3		8260C							
CCVIS 480-595264/4		8260C		1 uL	1 uL				
LCS 480-595264/6		8260C		1 uL	1 uL				
MB 480-595264/8		8260C		1 uL	1 uL				
480-189085-A-1	GT-9R-20210831	8260C	T	1 uL	1 uL				
480-189085-A-2	IW-3-20210901	8260C	T	1 uL	1 uL	E flag T			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Batch Number: 595264 Batch Start Date: 09/03/21 23:25 Batch Analyst: Kiwan, Ahmad xBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	N 8260 IS 00218	N_8260_Surr 00420	AnalysisComment			
480-189085-A-4	IW-6-20210901	8260C	T	1 uL	1 uL	Target			
480-189085-A-5	FB-20210901	8260C	T	1 uL	1 uL				
480-189085-A-6	GT-16-20210901	8260C	T	1 uL	1 uL	Foam			
480-189085-A-7	GT-14-20210901	8260C	T	1 uL	1 uL	Foam			
480-189085-A-8	VRI-4-20210901	8260C	T	1 uL	1 uL				
480-189085-A-9	VRI-3-20210901	8260C	T	1 uL	1 uL	Foam			
480-189085-A-10	VRI-9-20210901	8260C	T	1 uL	1 uL	Foam			
480-189085-A-11	Duplicate-20210901	8260C	T	1 uL	1 uL	Target			
480-189085-A-12	Trip Blank	8260C	T	1 uL	1 uL				
480-189085-A-4 MS	IW-6-20210901	8260C	T	1 uL	1 uL	Client Target			
480-189085-A-4 MSD	IW-6-20210901	8260C	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 TestAmerica, Buffalo Job No.: 480-189085-1

SDG No.: _____

Batch Number: 595662 Batch Start Date: 09/09/21 08:36 Batch Analyst: Kiwan, Ahmad xBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00212	BFB_WRK 00125	C_8260_IS 00157
BFB 480-595662/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-595662/3		8260C		5 mL	5 mL		12.5 uL		2 uL
LCS 480-595662/5		8260C		5 mL	5 mL		12.5 uL		2 uL
MB 480-595662/7		8260C		5 mL	5 mL				2 uL
480-189085-C-2	IW-3-20210901	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-189085-C-3	VRI-1-20210901	8260C	T	5 mL	5 mL	<2 SU			2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	C_8260_Surr 00174	GAS CORP mix 00471	AnalysisComment			
BFB 480-595662/2		8260C							
CCVIS 480-595662/3		8260C		2 uL	12.5 uL				
LCS 480-595662/5		8260C		2 uL	12.5 uL				
MB 480-595662/7		8260C		2 uL					
480-189085-C-2	IW-3-20210901	8260C	T	2 uL		Target			
480-189085-C-3	VRI-1-20210901	8260C	T	2 uL		Target			

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.

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Shipping and Receiving Documents

Client Information		Lab PM: Schove, John R		Carrier Tracking No(s): 480-163650-33783.2	
Client Contact: Ms. Suzy Walls		E-Mail: John.Schove@Eurofinset.com		Page: 8 of 2	
Company: AROCADIS U.S., Inc.		Address: 11400 Parkside Drive Suite 410		Job #:	
City: Knoxville		State: TN, 37934		Preservation Codes:	
Phone:		TAT Requested (days): Standard		A - HCL	
PO #:		Compliance Project: Δ Yes Δ No		M - Hexane	
AP086277.3000.3000S				N - None	
WO #:				O - AsNaO2	
Project #:				P - Na2O4S	
48017317				Q - Na2SO3	
SSOW#:				R - Na2S2O3	
				S - H2SO4	
				T - TSP Dodecahydrate	
				U - Acetone	
				V - MCAA	
				W - pH 4-5	
				Z - other (specify)	
				Other:	
Sample Identification		Sample Date		Sample Time	
GT-9R-20210831		8-31-2021		1610	
Tw-3-20210901		9-01-2021		1115	
VRI-1-20210901		9-01-2021		0940	
Tw-6-20210901		9-01-2021		1110	
Tw-6-20210901 - MSD		09-01-2021		1110	
Tw-6-20210901 - MSD		9-01-2021		1110	
FB-20210901		9-01-2021		1415	
GT-16-20210901		9-01-2021		1425	
GT-14-20210901		9-01-2021		1555	
VRI-4-20210901		9-01-2021		1445	
VRI-3-20210901		9-01-2021		1640	
Possible Hazard Identification		☒ Non-Hazard		☐ Flammable	
☐ Skin Irritant		☐ Poison B		☐ Unknown	
☐ Radiological		☐ Deliverable Requested: I, II, III, IV, Other (specify)		☐ Empty Kit Relinquished by:	
Relinquished by: K Stilson		Date/Time: 9/2/21		Date/Time: 1015	
Relinquished by: K Stilson		Date/Time: 9-2-2021		Date/Time: 1700	
Relinquished by:		Date/Time:		Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 2.9 #1 JCE	

[illegible]

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 480-189085-1

Login Number: 189085

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

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	2.9 #1 ICE
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	
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

Appendix C

Data Usability Summary Report

GE Riverview

Data Usability Summary Report

Rotterdam, New York

Volatile Organic Compound (VOC) Analysis

SDG # 480-189085-1

Analyses Performed By:
Eurofins TestAmerica
Buffalo, New York

Report #42963R
Review Level: Tier III
Project: 30006483.4000A

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Group (SDG) #480-189085-1 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
GT-9R-20210831	480-189085-1	Water	8/31/2021		X
IW-3-20210901	480-189085-2	Water	9/1/2021		X
VRI-1-20210901	480-189085-3	Water	9/1/2021		X
IW-6-20210901	480-189085-4	Water	9/1/2021		X
FB-20210901	480-189085-5	Water	9/1/2021		X
GT-16-20210901	480-189085-6	Water	9/1/2021		X
GT-14-20210901	480-189085-7	Water	9/1/2021		X
VRI-4-20210901	480-189085-8	Water	9/1/2021		X
VRI-3-20210901	480-189085-9	Water	9/1/2021		X
VRI-9-20210901	480-189085-10	Water	9/1/2021		X
DUPLICATE-20210901	480-189085-11	Water	9/1/2021	VRI-1-20210901	X
TRIP BLANK	480-189085-12	Water	9/1/2021		X

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 8260B* (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.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B). Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample Locations	Analytes	Sample Result	Qualification
IW-6-20210901 IW-3-20210901 GT-16-20210901 VRI-9-20210901 Duplicate-20210901	Methylene chloride (FB)	Detected sample results >RL and <BAL	"UB" at detected sample concentration

Note:

RL Reporting limit

FB Field blank

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 Locations	Initial/Continuing	Compound	Criteria
GT-9R-20210831 IW-3-20210901 IW-6-20210901 FB-20210901 GT-16-20210901 GT-14-20210901 VRI-4-20210901 VRI-3-20210901 VRI-9-20210901 DUPLICATE- 20210901 TRIP BLANK	CCV %D	Dichlorodifluoromethane	-27.5%
		Acetone	+27.0%
VRI-1-20210901	CCV %D	Dichlorodifluoromethane	-22.5%
		Bromomethane	-21.4%
		1,1,2-Trichloro-1,2,2-trifluoroethane	-31.3%
		Acetone	-26.2%

Sample Locations	Initial/Continuing	Compound	Criteria
		Carbon disulfide	-26.0%
		1,1,1-Trichloroethane	-21.1%
		Cyclohexane	-31.0%
		Carbon tetrachloride	-21.5%
		Methylcyclohexane	-29.3%

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
	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 > 15% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD >90%	Non-detect	R
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease 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 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 exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

8. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits. LCSD analysis was not performed within this SDG.

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	Compound	Sample Result	Duplicate Result	RPD
VRI-1-20210901/ DUPLICATE-20210901	1,2,4-Trimethylbenzene	190	220	14.6 %
	1,3,5-Trimethylbenzene	510	580	12.8 %
	Isopropylbenzene	19	20	AC
	n-Propylbenzene	18	20	AC
	Total Xylenes	40	48	AC

Notes:

AC Acceptable

The results 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.

Sample results associated with compound that exhibited a concentration greater than the linear range of the instrument calibration are summarized in the following table.

Sample ID	Compound	Original Analysis	Diluted Analysis	Reported Analysis
IW-3-20210901	1,3,5-Trimethylbenzene	330 E	360	360 D

Note: In the instance where both the original analysis and the diluted analysis sample results exhibited a concentration greater than and/or less than the calibration linear range of the instrument; the sample result exhibiting the greatest concentration will be reported as the final result.

Sample results associated with compounds exhibiting concentrations greater than the linear range are qualified as documented in the table below when reported as the final reported sample result.

Reported Sample Results	Qualification
Diluted sample result within calibration range	D
Diluted sample result less than the calibration range	DJ
Diluted sample result greater than the calibration range	EDJ
Original sample result greater than the calibration range	EJ

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 8260	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)		X		X		
Laboratory Control Sample Duplicate(LCSD)	X				X	
LCS/LCSD Precision (RPD)	X				X	
Matrix Spike (MS)		X		X		
Matrix Spike Duplicate(MSD)		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		
Continuing calibration RRFs		X		X		
Continuing calibration %Ds		X	X			
Instrument tune and performance check		X		X		

Data Review Report

VOCs: SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
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

DATA USABILITY SUMMARY REPORT

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliance ¹				Non-compliance
					VOC	SVOC	PFAS	MISC	
480-189085-1	8/31/2021	SW846/SM	GT-9R-20210831	Water	no	--	--	--	VOC – CCV %D
	9/1/2021	SW846/SM	IW-3-20210901	Water	no	--	--	--	VOC – CCV %D, Field Blank
	9/1/2021	SW846/SM	VRI-1-20210901	Water	no	--	--	--	VOC – CCV %D
	9/1/2021	SW846/SM	IW-6-20210901	Water	no	--	--	--	VOC – CCV %D, Field Blank
	9/1/2021	SW846/SM	FB-20210901	Water	no	--	--	--	VOC – CCV %D
	9/1/2021	SW846/SM	GT-16-20210901	Water	no	--	--	--	VOC – CCV %D, Field Blank
	9/1/2021	SW846/SM	GT-14-20210901	Water	no	--	--	--	VOC – CCV %D
	9/1/2021	SW846/SM	VRI-4-20210901	Water	no	--	--	--	VOC – CCV %D
	9/1/2021	SW846/SM	VRI-3-20210901	Water	no	--	--	--	VOC – CCV %D
	9/1/2021	SW846/SM	VRI-9-20210901	Water	no	--	--	--	VOC – CCV %D, Field Blank
	9/1/2021	SW846/SM	DUPLICATE-20210901	Water	no	--	--	--	VOC – CCV %D, Field Blank
	9/1/2021	SW846/SM	TRIP BLANK	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.

DATA USABILITY SUMMARY REPORT

VALIDATION PERFORMED BY: Andrew Korycinski

SIGNATURE:

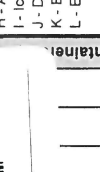


DATE: October 5, 2021

PEER REVIEW: Joseph C. Houser

DATE: October 6, 2021

Chain of Custody Corrected Sample Analysis Data Sheets

Client Information Client Contact: Ms. Suzy Walls Company: ARCADIS U.S., Inc. Address: 11400 Parkside Drive Suite 410 City: Knoxville State: TN, Zip: 37934 Phone: _____ Email: suzy.walls@arcadis.com Project Name: GE Riverview Site: _____		Lab PM: Schove, John R Carrier Tracking No(s): 480-163650-33783.2 State of Origin: _____ Job #: _____	
Due Date Requested: _____ TAT Requested (days): Standard Compliance Project: ☐ Yes ☒ No PO #: AP086277.3000.3000S WO #: _____ Project #: 48017317 SSOW#: _____		Analysis Requested  480-189085 Chain of Custody	
Sample Identification Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) _____		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months	
Empty Kit Relinquished by: _____ Relinquished by: Kstilson Relinquished by: _____ Relinquished by: _____		Method of Shipment: _____ Date: _____ Date/Time: 9/2/21 1015 Date/Time: 9-2-2021 1700 Date/Time: _____	
Relinquished by: _____ Relinquished by: _____ Relinquished by: _____		Relinquished by: _____ Relinquished by: _____ Relinquished by: _____	
Custody Seals Intact: ☐ Yes ☒ No Custody Seal No.: _____		Cooler Temperature(s) °C and Other Remarks: 2.9 #1 JCE	

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Preservation Code	Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - Site Specific VOCs	Total Number of Containers	Special Instructions/Note
GT-9R-20210831	8-31-2021	1610	G		Water					
Iw-3-20210901	9-01-2021	1115	G		Water					
VRI-1-20210901	9-01-2021	0940	G		Water					
Iw-6-20210901	9-01-2021	1110	G		Water					
Iw-6-20210901-MS	09-01-2021	1110	G		Water					
Iw-6-20210901-MSD	9-01-2021	1110	G		Water					
Fb-20210901	9-01-2021	1415	G		Water					
GT-16-20210901	9-01-2021	1425	G		Water					
GT-14-20210901	9-01-2021	1555	G		Water					
VRI-4-20210901	9-01-2021	1445	G		Water					
VRI-3-20210901	9-01-2021	1640	G		Water					

Preservation Codes:

A - HCL M - Hexane
 B - NaOH N - None
 C - Zn Acetate O - AsNaO2
 D - Nitric Acid P - Na2OAS
 E - NaHSO4 Q - Na2SO3
 F - MeOH R - Na2S2O3
 G - Ascorbic Acid S - H2SO4
 H - Ice T - TSP Dodecahydrate
 J - DI Water U - Acetone
 K - EDTA V - MCAA
 L - EDA W - pH 4-5
 Z - other (specify)

Other: _____

[illegible]

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: GT-9R-20210831

Lab Sample ID: 480-189085-1

Date Collected: 08/31/21 16:10

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 05:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/04/21 05:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/04/21 05:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/04/21 05:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/04/21 05:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/04/21 05:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/04/21 05:15	1
1,2,4-Trimethylbenzene	15		1.0	0.75	ug/L			09/04/21 05:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/04/21 05:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/04/21 05:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/04/21 05:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/04/21 05:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/04/21 05:15	1
1,3,5-Trimethylbenzene	17		1.0	0.77	ug/L			09/04/21 05:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/04/21 05:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/04/21 05:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/04/21 05:15	1
2-Hexanone	ND		5.0	1.2	ug/L			09/04/21 05:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/04/21 05:15	1
Acetone	ND		10	3.0	ug/L			09/04/21 05:15	1
Benzene	ND		1.0	0.41	ug/L			09/04/21 05:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/04/21 05:15	1
Bromoform	ND		1.0	0.26	ug/L			09/04/21 05:15	1
Bromomethane	ND		1.0	0.69	ug/L			09/04/21 05:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/04/21 05:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/04/21 05:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/04/21 05:15	1
Chloroethane	ND		1.0	0.32	ug/L			09/04/21 05:15	1
Chloroform	ND		1.0	0.34	ug/L			09/04/21 05:15	1
Chloromethane	ND		1.0	0.35	ug/L			09/04/21 05:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/04/21 05:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/04/21 05:15	1
Cyclohexane	ND		1.0	0.18	ug/L			09/04/21 05:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/04/21 05:15	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			09/04/21 05:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/04/21 05:15	1
Isopropylbenzene	2.5		1.0	0.79	ug/L			09/04/21 05:15	1
Methyl acetate	ND		2.5	1.3	ug/L			09/04/21 05:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/04/21 05:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/04/21 05:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/04/21 05:15	1
N-Propylbenzene	2.0		1.0	0.69	ug/L			09/04/21 05:15	1
Styrene	ND		1.0	0.73	ug/L			09/04/21 05:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/04/21 05:15	1
Toluene	ND		1.0	0.51	ug/L			09/04/21 05:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/04/21 05:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/04/21 05:15	1
Trichloroethene	ND		1.0	0.46	ug/L			09/04/21 05:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/04/21 05:15	1

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: GT-9R-20210831

Lab Sample ID: 480-189085-1

Date Collected: 08/31/21 16:10

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 05:15	1
Xylenes, Total	15		2.0	0.66	ug/L			09/04/21 05:15	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		77 - 120					09/04/21 05:15	1
4-Bromofluorobenzene (Surr)	100		73 - 120					09/04/21 05:15	1
Dibromofluoromethane (Surr)	115		75 - 123					09/04/21 05:15	1
Toluene-d8 (Surr)	103		80 - 120					09/04/21 05:15	1

Client Sample ID: IW-3-20210901

Lab Sample ID: 480-189085-2

Date Collected: 09/01/21 11:15

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			09/04/21 05:38	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			09/04/21 05:38	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			09/04/21 05:38	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			09/04/21 05:38	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			09/04/21 05:38	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			09/04/21 05:38	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			09/04/21 05:38	2
1,2,4-Trimethylbenzene	23		2.0	1.5	ug/L			09/04/21 05:38	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			09/04/21 05:38	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			09/04/21 05:38	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 05:38	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			09/04/21 05:38	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			09/04/21 05:38	2
1,3,5-Trimethylbenzene	~~330~~ E	360 D	2.0	1.5	ug/L			09/04/21 05:38	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 05:38	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			09/04/21 05:38	2
2-Butanone (MEK)	ND		20	2.6	ug/L			09/04/21 05:38	2
2-Hexanone	ND		10	2.5	ug/L			09/04/21 05:38	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			09/04/21 05:38	2
Acetone	11 J		20	6.0	ug/L			09/04/21 05:38	2
Benzene	ND		2.0	0.82	ug/L			09/04/21 05:38	2
Bromodichloromethane	ND		2.0	0.78	ug/L			09/04/21 05:38	2
Bromoform	ND		2.0	0.52	ug/L			09/04/21 05:38	2
Bromomethane	ND		2.0	1.4	ug/L			09/04/21 05:38	2
Carbon disulfide	ND		2.0	0.38	ug/L			09/04/21 05:38	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			09/04/21 05:38	2
Chlorobenzene	ND		2.0	1.5	ug/L			09/04/21 05:38	2
Chloroethane	ND		2.0	0.64	ug/L			09/04/21 05:38	2
Chloroform	ND		2.0	0.68	ug/L			09/04/21 05:38	2
Chloromethane	ND		2.0	0.70	ug/L			09/04/21 05:38	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			09/04/21 05:38	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			09/04/21 05:38	2
Cyclohexane	ND		2.0	0.36	ug/L			09/04/21 05:38	2
Dibromochloromethane	ND		2.0	0.64	ug/L			09/04/21 05:38	2
Dichlorodifluoromethane	ND	UJ	2.0	1.4	ug/L			09/04/21 05:38	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: IW-3-20210901

Lab Sample ID: 480-189085-2

Date Collected: 09/01/21 11:15

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		2.0	1.5	ug/L			09/04/21 05:38	2
Isopropylbenzene	48		2.0	1.6	ug/L			09/04/21 05:38	2
Methyl acetate	ND		5.0	2.6	ug/L			09/04/21 05:38	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			09/04/21 05:38	2
Methylcyclohexane	ND		2.0	0.32	ug/L			09/04/21 05:38	2
Methylene Chloride	5.3	UB	2.0	0.88	ug/L			09/04/21 05:38	2
N-Propylbenzene	60		2.0	1.4	ug/L			09/04/21 05:38	2
Styrene	ND		2.0	1.5	ug/L			09/04/21 05:38	2
Tetrachloroethene	ND		2.0	0.72	ug/L			09/04/21 05:38	2
Toluene	ND		2.0	1.0	ug/L			09/04/21 05:38	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			09/04/21 05:38	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			09/04/21 05:38	2
Trichloroethene	ND		2.0	0.92	ug/L			09/04/21 05:38	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			09/04/21 05:38	2
Vinyl chloride	ND		2.0	1.8	ug/L			09/04/21 05:38	2
Xylenes, Total	14		4.0	1.3	ug/L			09/04/21 05:38	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		09/04/21 05:38	2
4-Bromofluorobenzene (Surr)	104		73 - 120		09/04/21 05:38	2
Dibromofluoromethane (Surr)	103		75 - 123		09/04/21 05:38	2
Toluene-d8 (Surr)	101		80 - 120		09/04/21 05:38	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			09/09/21 12:12	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			09/09/21 12:12	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			09/09/21 12:12	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			09/09/21 12:12	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			09/09/21 12:12	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			09/09/21 12:12	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			09/09/21 12:12	5
1,2,4-Trimethylbenzene	25		5.0	3.8	ug/L			09/09/21 12:12	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			09/09/21 12:12	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			09/09/21 12:12	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			09/09/21 12:12	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			09/09/21 12:12	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			09/09/21 12:12	5
1,3,5-Trimethylbenzene	360		5.0	3.9	ug/L			09/09/21 12:12	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			09/09/21 12:12	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			09/09/21 12:12	5
2-Butanone (MEK)	ND		50	6.6	ug/L			09/09/21 12:12	5
2-Hexanone	ND		25	6.2	ug/L			09/09/21 12:12	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			09/09/21 12:12	5
Acetone	ND		50	15	ug/L			09/09/21 12:12	5
Benzene	ND		5.0	2.1	ug/L			09/09/21 12:12	5
Bromodichloromethane	ND		5.0	2.0	ug/L			09/09/21 12:12	5
Bromoform	ND		5.0	1.3	ug/L			09/09/21 12:12	5
Bromomethane	ND		5.0	3.5	ug/L			09/09/21 12:12	5
Carbon disulfide	ND		5.0	0.95	ug/L			09/09/21 12:12	5

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: IW-3-20210901

Lab Sample ID: 480-189085-2

Date Collected: 09/01/21 11:15

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.0	1.4	ug/L			09/09/21 12:12	5
Chlorobenzene	ND		5.0	3.8	ug/L			09/09/21 12:12	5
Chloroethane	ND		5.0	1.6	ug/L			09/09/21 12:12	5
Chloroform	ND		5.0	1.7	ug/L			09/09/21 12:12	5
Chloromethane	ND		5.0	1.8	ug/L			09/09/21 12:12	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			09/09/21 12:12	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			09/09/21 12:12	5
Cyclohexane	ND		5.0	0.90	ug/L			09/09/21 12:12	5
Dibromochloromethane	ND		5.0	1.6	ug/L			09/09/21 12:12	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			09/09/21 12:12	5
Ethylbenzene	ND		5.0	3.7	ug/L			09/09/21 12:12	5
Isopropylbenzene	56		5.0	4.0	ug/L			09/09/21 12:12	5
Methyl acetate	ND		13	6.5	ug/L			09/09/21 12:12	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			09/09/21 12:12	5
Methylcyclohexane	ND		5.0	0.80	ug/L			09/09/21 12:12	5
Methylene Chloride	ND		5.0	2.2	ug/L			09/09/21 12:12	5
N-Propylbenzene	69		5.0	3.5	ug/L			09/09/21 12:12	5
Styrene	ND		5.0	3.7	ug/L			09/09/21 12:12	5
Tetrachloroethene	ND		5.0	1.8	ug/L			09/09/21 12:12	5
Toluene	ND		5.0	2.6	ug/L			09/09/21 12:12	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			09/09/21 12:12	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			09/09/21 12:12	5
Trichloroethene	ND		5.0	2.3	ug/L			09/09/21 12:12	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			09/09/21 12:12	5
Vinyl chloride	ND		5.0	4.5	ug/L			09/09/21 12:12	5
Xylenes, Total	14		10	3.3	ug/L			09/09/21 12:12	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		09/09/21 12:12	5
4-Bromofluorobenzene (Surr)	102		73 - 120		09/09/21 12:12	5
Dibromofluoromethane (Surr)	107		75 - 123		09/09/21 12:12	5
Toluene-d8 (Surr)	102		80 - 120		09/09/21 12:12	5

Client Sample ID: VRI-1-20210901

Lab Sample ID: 480-189085-3

Date Collected: 09/01/21 09:40

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	UJ	8.0	6.6	ug/L			09/09/21 12:35	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			09/09/21 12:35	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	8.0	2.5	ug/L			09/09/21 12:35	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			09/09/21 12:35	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			09/09/21 12:35	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			09/09/21 12:35	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			09/09/21 12:35	8
1,2,4-Trimethylbenzene	190		8.0	6.0	ug/L			09/09/21 12:35	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			09/09/21 12:35	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			09/09/21 12:35	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			09/09/21 12:35	8

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: VRI-1-20210901

Lab Sample ID: 480-189085-3

Date Collected: 09/01/21 09:40

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		8.0	1.7	ug/L			09/09/21 12:35	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			09/09/21 12:35	8
1,3,5-Trimethylbenzene	510		8.0	6.2	ug/L			09/09/21 12:35	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			09/09/21 12:35	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			09/09/21 12:35	8
2-Butanone (MEK)	ND		80	11	ug/L			09/09/21 12:35	8
2-Hexanone	ND		40	9.9	ug/L			09/09/21 12:35	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			09/09/21 12:35	8
Acetone	ND	UJ	80	24	ug/L			09/09/21 12:35	8
Benzene	ND		8.0	3.3	ug/L			09/09/21 12:35	8
Bromodichloromethane	ND		8.0	3.1	ug/L			09/09/21 12:35	8
Bromoform	ND		8.0	2.1	ug/L			09/09/21 12:35	8
Bromomethane	ND	UJ	8.0	5.5	ug/L			09/09/21 12:35	8
Carbon disulfide	ND	UJ	8.0	1.5	ug/L			09/09/21 12:35	8
Carbon tetrachloride	ND	UJ	8.0	2.2	ug/L			09/09/21 12:35	8
Chlorobenzene	ND		8.0	6.0	ug/L			09/09/21 12:35	8
Chloroethane	ND		8.0	2.6	ug/L			09/09/21 12:35	8
Chloroform	ND		8.0	2.7	ug/L			09/09/21 12:35	8
Chloromethane	ND		8.0	2.8	ug/L			09/09/21 12:35	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			09/09/21 12:35	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			09/09/21 12:35	8
Cyclohexane	ND	UJ	8.0	1.4	ug/L			09/09/21 12:35	8
Dibromochloromethane	ND		8.0	2.6	ug/L			09/09/21 12:35	8
Dichlorodifluoromethane	ND	UJ	8.0	5.4	ug/L			09/09/21 12:35	8
Ethylbenzene	ND		8.0	5.9	ug/L			09/09/21 12:35	8
Isopropylbenzene	19		8.0	6.3	ug/L			09/09/21 12:35	8
Methyl acetate	ND		20	10	ug/L			09/09/21 12:35	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			09/09/21 12:35	8
Methylcyclohexane	ND	UJ	8.0	1.3	ug/L			09/09/21 12:35	8
Methylene Chloride	ND		8.0	3.5	ug/L			09/09/21 12:35	8
N-Propylbenzene	18		8.0	5.5	ug/L			09/09/21 12:35	8
Styrene	ND		8.0	5.8	ug/L			09/09/21 12:35	8
Tetrachloroethene	ND		8.0	2.9	ug/L			09/09/21 12:35	8
Toluene	ND		8.0	4.1	ug/L			09/09/21 12:35	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			09/09/21 12:35	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			09/09/21 12:35	8
Trichloroethene	ND		8.0	3.7	ug/L			09/09/21 12:35	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			09/09/21 12:35	8
Vinyl chloride	ND		8.0	7.2	ug/L			09/09/21 12:35	8
Xylenes, Total	40		16	5.3	ug/L			09/09/21 12:35	8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		09/09/21 12:35	8
4-Bromofluorobenzene (Surr)	105		73 - 120		09/09/21 12:35	8
Dibromofluoromethane (Surr)	105		75 - 123		09/09/21 12:35	8
Toluene-d8 (Surr)	104		80 - 120		09/09/21 12:35	8

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: IW-6-20210901

Lab Sample ID: 480-189085-4

Date Collected: 09/01/21 11:10

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 06:24	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			09/04/21 06:24	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62	ug/L			09/04/21 06:24	200
1,1,2-Trichloroethane	ND		200	46	ug/L			09/04/21 06:24	200
1,1-Dichloroethane	ND		200	76	ug/L			09/04/21 06:24	200
1,1-Dichloroethene	ND		200	58	ug/L			09/04/21 06:24	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			09/04/21 06:24	200
1,2,4-Trimethylbenzene	4500		200	150	ug/L			09/04/21 06:24	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			09/04/21 06:24	200
1,2-Dibromoethane	ND		200	150	ug/L			09/04/21 06:24	200
1,2-Dichlorobenzene	ND		200	160	ug/L			09/04/21 06:24	200
1,2-Dichloroethane	ND		200	42	ug/L			09/04/21 06:24	200
1,2-Dichloropropane	ND		200	140	ug/L			09/04/21 06:24	200
1,3,5-Trimethylbenzene	2200		200	150	ug/L			09/04/21 06:24	200
1,3-Dichlorobenzene	ND		200	160	ug/L			09/04/21 06:24	200
1,4-Dichlorobenzene	ND		200	170	ug/L			09/04/21 06:24	200
2-Butanone (MEK)	ND		2000	260	ug/L			09/04/21 06:24	200
2-Hexanone	ND		1000	250	ug/L			09/04/21 06:24	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			09/04/21 06:24	200
Acetone	ND		2000	600	ug/L			09/04/21 06:24	200
Benzene	ND		200	82	ug/L			09/04/21 06:24	200
Bromodichloromethane	ND		200	78	ug/L			09/04/21 06:24	200
Bromoform	ND		200	52	ug/L			09/04/21 06:24	200
Bromomethane	ND		200	140	ug/L			09/04/21 06:24	200
Carbon disulfide	ND		200	38	ug/L			09/04/21 06:24	200
Carbon tetrachloride	ND		200	54	ug/L			09/04/21 06:24	200
Chlorobenzene	ND		200	150	ug/L			09/04/21 06:24	200
Chloroethane	ND		200	64	ug/L			09/04/21 06:24	200
Chloroform	ND		200	68	ug/L			09/04/21 06:24	200
Chloromethane	ND		200	70	ug/L			09/04/21 06:24	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			09/04/21 06:24	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			09/04/21 06:24	200
Cyclohexane	ND		200	36	ug/L			09/04/21 06:24	200
Dibromochloromethane	ND		200	64	ug/L			09/04/21 06:24	200
Dichlorodifluoromethane	ND	UJ	200	140	ug/L			09/04/21 06:24	200
Ethylbenzene	ND		200	150	ug/L			09/04/21 06:24	200
Isopropylbenzene	280		200	160	ug/L			09/04/21 06:24	200
Methyl acetate	ND		500	260	ug/L			09/04/21 06:24	200
Methyl tert-butyl ether	ND		200	32	ug/L			09/04/21 06:24	200
Methylcyclohexane	ND		200	32	ug/L			09/04/21 06:24	200
Methylene Chloride	260	UB	200	88	ug/L			09/04/21 06:24	200
N-Propylbenzene	290		200	140	ug/L			09/04/21 06:24	200
Styrene	ND		200	150	ug/L			09/04/21 06:24	200
Tetrachloroethene	ND		200	72	ug/L			09/04/21 06:24	200
Toluene	ND		200	100	ug/L			09/04/21 06:24	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			09/04/21 06:24	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			09/04/21 06:24	200
Trichloroethene	ND		200	92	ug/L			09/04/21 06:24	200
Trichlorofluoromethane	ND		200	180	ug/L			09/04/21 06:24	200

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: IW-6-20210901

Lab Sample ID: 480-189085-4

Date Collected: 09/01/21 11:10

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		200	180	ug/L			09/04/21 06:24	200
Xylenes, Total	3200		400	130	ug/L			09/04/21 06:24	200
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120					09/04/21 06:24	200
4-Bromofluorobenzene (Surr)	103		73 - 120					09/04/21 06:24	200
Dibromofluoromethane (Surr)	110		75 - 123					09/04/21 06:24	200
Toluene-d8 (Surr)	102		80 - 120					09/04/21 06:24	200

Client Sample ID: FB-20210901

Lab Sample ID: 480-189085-5

Date Collected: 09/01/21 14:15

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 06:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/04/21 06:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/04/21 06:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/04/21 06:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/04/21 06:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/04/21 06:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/04/21 06:47	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/04/21 06:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/04/21 06:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/04/21 06:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/04/21 06:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/04/21 06:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/04/21 06:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/04/21 06:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/04/21 06:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/04/21 06:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/04/21 06:47	1
2-Hexanone	ND		5.0	1.2	ug/L			09/04/21 06:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/04/21 06:47	1
Acetone	ND		10	3.0	ug/L			09/04/21 06:47	1
Benzene	ND		1.0	0.41	ug/L			09/04/21 06:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/04/21 06:47	1
Bromoform	ND		1.0	0.26	ug/L			09/04/21 06:47	1
Bromomethane	ND		1.0	0.69	ug/L			09/04/21 06:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/04/21 06:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/04/21 06:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/04/21 06:47	1
Chloroethane	ND		1.0	0.32	ug/L			09/04/21 06:47	1
Chloroform	ND		1.0	0.34	ug/L			09/04/21 06:47	1
Chloromethane	ND		1.0	0.35	ug/L			09/04/21 06:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/04/21 06:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/04/21 06:47	1
Cyclohexane	ND		1.0	0.18	ug/L			09/04/21 06:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/04/21 06:47	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			09/04/21 06:47	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: FB-20210901

Lab Sample ID: 480-189085-5

Date Collected: 09/01/21 14:15

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 06:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/04/21 06:47	1
Methyl acetate	ND		2.5	1.3	ug/L			09/04/21 06:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/04/21 06:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/04/21 06:47	1
Methylene Chloride	0.62	J	1.0	0.44	ug/L			09/04/21 06:47	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/04/21 06:47	1
Styrene	ND		1.0	0.73	ug/L			09/04/21 06:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/04/21 06:47	1
Toluene	ND		1.0	0.51	ug/L			09/04/21 06:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/04/21 06:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/04/21 06:47	1
Trichloroethene	ND		1.0	0.46	ug/L			09/04/21 06:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/04/21 06:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/04/21 06:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/04/21 06:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		77 - 120		09/04/21 06:47	1
4-Bromofluorobenzene (Surr)	103		73 - 120		09/04/21 06:47	1
Dibromofluoromethane (Surr)	114		75 - 123		09/04/21 06:47	1
Toluene-d8 (Surr)	103		80 - 120		09/04/21 06:47	1

Client Sample ID: GT-16-20210901

Lab Sample ID: 480-189085-6

Date Collected: 09/01/21 14:25

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			09/04/21 07:10	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			09/04/21 07:10	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			09/04/21 07:10	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			09/04/21 07:10	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			09/04/21 07:10	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			09/04/21 07:10	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			09/04/21 07:10	2
1,2,4-Trimethylbenzene	ND		2.0	1.5	ug/L			09/04/21 07:10	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			09/04/21 07:10	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			09/04/21 07:10	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 07:10	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			09/04/21 07:10	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			09/04/21 07:10	2
1,3,5-Trimethylbenzene	ND		2.0	1.5	ug/L			09/04/21 07:10	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 07:10	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			09/04/21 07:10	2
2-Butanone (MEK)	ND		20	2.6	ug/L			09/04/21 07:10	2
2-Hexanone	ND		10	2.5	ug/L			09/04/21 07:10	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			09/04/21 07:10	2
Acetone	ND		20	6.0	ug/L			09/04/21 07:10	2
Benzene	ND		2.0	0.82	ug/L			09/04/21 07:10	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: GT-16-20210901

Lab Sample ID: 480-189085-6

Date Collected: 09/01/21 14:25

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		2.0	0.78	ug/L			09/04/21 07:10	2
Bromoform	ND		2.0	0.52	ug/L			09/04/21 07:10	2
Bromomethane	ND		2.0	1.4	ug/L			09/04/21 07:10	2
Carbon disulfide	ND		2.0	0.38	ug/L			09/04/21 07:10	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			09/04/21 07:10	2
Chlorobenzene	ND		2.0	1.5	ug/L			09/04/21 07:10	2
Chloroethane	ND		2.0	0.64	ug/L			09/04/21 07:10	2
Chloroform	1.0	J	2.0	0.68	ug/L			09/04/21 07:10	2
Chloromethane	ND		2.0	0.70	ug/L			09/04/21 07:10	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			09/04/21 07:10	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			09/04/21 07:10	2
Cyclohexane	ND		2.0	0.36	ug/L			09/04/21 07:10	2
Dibromochloromethane	ND		2.0	0.64	ug/L			09/04/21 07:10	2
Dichlorodifluoromethane	ND	UJ	2.0	1.4	ug/L			09/04/21 07:10	2
Ethylbenzene	ND		2.0	1.5	ug/L			09/04/21 07:10	2
Isopropylbenzene	ND		2.0	1.6	ug/L			09/04/21 07:10	2
Methyl acetate	ND		5.0	2.6	ug/L			09/04/21 07:10	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			09/04/21 07:10	2
Methylcyclohexane	ND		2.0	0.32	ug/L			09/04/21 07:10	2
Methylene Chloride	3.0	UB	2.0	0.88	ug/L			09/04/21 07:10	2
N-Propylbenzene	ND		2.0	1.4	ug/L			09/04/21 07:10	2
Styrene	ND		2.0	1.5	ug/L			09/04/21 07:10	2
Tetrachloroethene	ND		2.0	0.72	ug/L			09/04/21 07:10	2
Toluene	ND		2.0	1.0	ug/L			09/04/21 07:10	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			09/04/21 07:10	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			09/04/21 07:10	2
Trichloroethene	18		2.0	0.92	ug/L			09/04/21 07:10	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			09/04/21 07:10	2
Vinyl chloride	ND		2.0	1.8	ug/L			09/04/21 07:10	2
Xylenes, Total	ND		4.0	1.3	ug/L			09/04/21 07:10	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		77 - 120		09/04/21 07:10	2
4-Bromofluorobenzene (Surr)	105		73 - 120		09/04/21 07:10	2
Dibromofluoromethane (Surr)	115		75 - 123		09/04/21 07:10	2
Toluene-d8 (Surr)	104		80 - 120		09/04/21 07:10	2

Client Sample ID: GT-14-20210901

Lab Sample ID: 480-189085-7

Date Collected: 09/01/21 15:55

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			09/04/21 07:33	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			09/04/21 07:33	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			09/04/21 07:33	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			09/04/21 07:33	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			09/04/21 07:33	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			09/04/21 07:33	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			09/04/21 07:33	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: GT-14-20210901

Lab Sample ID: 480-189085-7

Date Collected: 09/01/21 15:55

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		2.0	1.5	ug/L			09/04/21 07:33	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			09/04/21 07:33	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			09/04/21 07:33	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 07:33	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			09/04/21 07:33	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			09/04/21 07:33	2
1,3,5-Trimethylbenzene	ND		2.0	1.5	ug/L			09/04/21 07:33	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 07:33	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			09/04/21 07:33	2
2-Butanone (MEK)	ND		20	2.6	ug/L			09/04/21 07:33	2
2-Hexanone	ND		10	2.5	ug/L			09/04/21 07:33	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			09/04/21 07:33	2
Acetone	ND		20	6.0	ug/L			09/04/21 07:33	2
Benzene	ND		2.0	0.82	ug/L			09/04/21 07:33	2
Bromodichloromethane	ND		2.0	0.78	ug/L			09/04/21 07:33	2
Bromoform	ND		2.0	0.52	ug/L			09/04/21 07:33	2
Bromomethane	ND		2.0	1.4	ug/L			09/04/21 07:33	2
Carbon disulfide	ND		2.0	0.38	ug/L			09/04/21 07:33	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			09/04/21 07:33	2
Chlorobenzene	ND		2.0	1.5	ug/L			09/04/21 07:33	2
Chloroethane	ND		2.0	0.64	ug/L			09/04/21 07:33	2
Chloroform	ND		2.0	0.68	ug/L			09/04/21 07:33	2
Chloromethane	ND		2.0	0.70	ug/L			09/04/21 07:33	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			09/04/21 07:33	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			09/04/21 07:33	2
Cyclohexane	ND		2.0	0.36	ug/L			09/04/21 07:33	2
Dibromochloromethane	ND		2.0	0.64	ug/L			09/04/21 07:33	2
Dichlorodifluoromethane	ND	UJ	2.0	1.4	ug/L			09/04/21 07:33	2
Ethylbenzene	ND		2.0	1.5	ug/L			09/04/21 07:33	2
Isopropylbenzene	ND		2.0	1.6	ug/L			09/04/21 07:33	2
Methyl acetate	ND		5.0	2.6	ug/L			09/04/21 07:33	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			09/04/21 07:33	2
Methylcyclohexane	ND		2.0	0.32	ug/L			09/04/21 07:33	2
Methylene Chloride	ND		2.0	0.88	ug/L			09/04/21 07:33	2
N-Propylbenzene	ND		2.0	1.4	ug/L			09/04/21 07:33	2
Styrene	ND		2.0	1.5	ug/L			09/04/21 07:33	2
Tetrachloroethene	ND		2.0	0.72	ug/L			09/04/21 07:33	2
Toluene	ND		2.0	1.0	ug/L			09/04/21 07:33	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			09/04/21 07:33	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			09/04/21 07:33	2
Trichloroethene	ND		2.0	0.92	ug/L			09/04/21 07:33	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			09/04/21 07:33	2
Vinyl chloride	ND		2.0	1.8	ug/L			09/04/21 07:33	2
Xylenes, Total	ND		4.0	1.3	ug/L			09/04/21 07:33	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		77 - 120		09/04/21 07:33	2
4-Bromofluorobenzene (Surr)	100		73 - 120		09/04/21 07:33	2
Dibromofluoromethane (Surr)	109		75 - 123		09/04/21 07:33	2
Toluene-d8 (Surr)	104		80 - 120		09/04/21 07:33	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: VRI-4-20210901

Lab Sample ID: 480-189085-8

Date Collected: 09/01/21 14:45

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 07:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/04/21 07:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/04/21 07:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/04/21 07:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/04/21 07:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/04/21 07:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/04/21 07:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/04/21 07:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/04/21 07:56	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/04/21 07:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/04/21 07:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/04/21 07:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/04/21 07:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/04/21 07:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/04/21 07:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/04/21 07:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/04/21 07:56	1
2-Hexanone	ND		5.0	1.2	ug/L			09/04/21 07:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/04/21 07:56	1
Acetone	ND		10	3.0	ug/L			09/04/21 07:56	1
Benzene	ND		1.0	0.41	ug/L			09/04/21 07:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/04/21 07:56	1
Bromoform	ND		1.0	0.26	ug/L			09/04/21 07:56	1
Bromomethane	ND		1.0	0.69	ug/L			09/04/21 07:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/04/21 07:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/04/21 07:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/04/21 07:56	1
Chloroethane	ND		1.0	0.32	ug/L			09/04/21 07:56	1
Chloroform	ND		1.0	0.34	ug/L			09/04/21 07:56	1
Chloromethane	ND		1.0	0.35	ug/L			09/04/21 07:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/04/21 07:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/04/21 07:56	1
Cyclohexane	ND		1.0	0.18	ug/L			09/04/21 07:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/04/21 07:56	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			09/04/21 07:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/04/21 07:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/04/21 07:56	1
Methyl acetate	ND		2.5	1.3	ug/L			09/04/21 07:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/04/21 07:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/04/21 07:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/04/21 07:56	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/04/21 07:56	1
Styrene	ND		1.0	0.73	ug/L			09/04/21 07:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/04/21 07:56	1
Toluene	ND		1.0	0.51	ug/L			09/04/21 07:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/04/21 07:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/04/21 07:56	1
Trichloroethene	ND		1.0	0.46	ug/L			09/04/21 07:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/04/21 07:56	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: VRI-4-20210901

Lab Sample ID: 480-189085-8

Date Collected: 09/01/21 14:45

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 07:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/04/21 07:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120					09/04/21 07:56	1
4-Bromofluorobenzene (Surr)	101		73 - 120					09/04/21 07:56	1
Dibromofluoromethane (Surr)	111		75 - 123					09/04/21 07:56	1
Toluene-d8 (Surr)	101		80 - 120					09/04/21 07:56	1

Client Sample ID: VRI-3-20210901

Lab Sample ID: 480-189085-9

Date Collected: 09/01/21 16:40

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			09/04/21 08:19	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			09/04/21 08:19	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			09/04/21 08:19	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			09/04/21 08:19	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			09/04/21 08:19	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			09/04/21 08:19	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			09/04/21 08:19	2
1,2,4-Trimethylbenzene	ND		2.0	1.5	ug/L			09/04/21 08:19	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			09/04/21 08:19	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			09/04/21 08:19	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 08:19	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			09/04/21 08:19	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			09/04/21 08:19	2
1,3,5-Trimethylbenzene	ND		2.0	1.5	ug/L			09/04/21 08:19	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 08:19	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			09/04/21 08:19	2
2-Butanone (MEK)	ND		20	2.6	ug/L			09/04/21 08:19	2
2-Hexanone	ND		10	2.5	ug/L			09/04/21 08:19	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			09/04/21 08:19	2
Acetone	ND		20	6.0	ug/L			09/04/21 08:19	2
Benzene	ND		2.0	0.82	ug/L			09/04/21 08:19	2
Bromodichloromethane	ND		2.0	0.78	ug/L			09/04/21 08:19	2
Bromoform	ND		2.0	0.52	ug/L			09/04/21 08:19	2
Bromomethane	ND		2.0	1.4	ug/L			09/04/21 08:19	2
Carbon disulfide	ND		2.0	0.38	ug/L			09/04/21 08:19	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			09/04/21 08:19	2
Chlorobenzene	ND		2.0	1.5	ug/L			09/04/21 08:19	2
Chloroethane	ND		2.0	0.64	ug/L			09/04/21 08:19	2
Chloroform	ND		2.0	0.68	ug/L			09/04/21 08:19	2
Chloromethane	ND		2.0	0.70	ug/L			09/04/21 08:19	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			09/04/21 08:19	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			09/04/21 08:19	2
Cyclohexane	ND		2.0	0.36	ug/L			09/04/21 08:19	2
Dibromochloromethane	ND		2.0	0.64	ug/L			09/04/21 08:19	2
Dichlorodifluoromethane	ND	UJ	2.0	1.4	ug/L			09/04/21 08:19	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: VRI-3-20210901

Lab Sample ID: 480-189085-9

Date Collected: 09/01/21 16:40

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		2.0	1.5	ug/L			09/04/21 08:19	2
Isopropylbenzene	ND		2.0	1.6	ug/L			09/04/21 08:19	2
Methyl acetate	ND		5.0	2.6	ug/L			09/04/21 08:19	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			09/04/21 08:19	2
Methylcyclohexane	ND		2.0	0.32	ug/L			09/04/21 08:19	2
Methylene Chloride	ND		2.0	0.88	ug/L			09/04/21 08:19	2
N-Propylbenzene	ND		2.0	1.4	ug/L			09/04/21 08:19	2
Styrene	ND		2.0	1.5	ug/L			09/04/21 08:19	2
Tetrachloroethene	ND		2.0	0.72	ug/L			09/04/21 08:19	2
Toluene	ND		2.0	1.0	ug/L			09/04/21 08:19	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			09/04/21 08:19	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			09/04/21 08:19	2
Trichloroethene	ND		2.0	0.92	ug/L			09/04/21 08:19	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			09/04/21 08:19	2
Vinyl chloride	ND		2.0	1.8	ug/L			09/04/21 08:19	2
Xylenes, Total	ND		4.0	1.3	ug/L			09/04/21 08:19	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		09/04/21 08:19	2
4-Bromofluorobenzene (Surr)	99		73 - 120		09/04/21 08:19	2
Dibromofluoromethane (Surr)	109		75 - 123		09/04/21 08:19	2
Toluene-d8 (Surr)	101		80 - 120		09/04/21 08:19	2

Client Sample ID: VRI-9-20210901

Lab Sample ID: 480-189085-10

Date Collected: 09/01/21 16:45

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			09/04/21 08:43	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			09/04/21 08:43	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			09/04/21 08:43	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			09/04/21 08:43	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			09/04/21 08:43	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			09/04/21 08:43	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			09/04/21 08:43	2
1,2,4-Trimethylbenzene	ND		2.0	1.5	ug/L			09/04/21 08:43	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			09/04/21 08:43	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			09/04/21 08:43	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 08:43	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			09/04/21 08:43	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			09/04/21 08:43	2
1,3,5-Trimethylbenzene	ND		2.0	1.5	ug/L			09/04/21 08:43	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			09/04/21 08:43	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			09/04/21 08:43	2
2-Butanone (MEK)	ND		20	2.6	ug/L			09/04/21 08:43	2
2-Hexanone	ND		10	2.5	ug/L			09/04/21 08:43	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			09/04/21 08:43	2
Acetone	ND		20	6.0	ug/L			09/04/21 08:43	2
Benzene	ND		2.0	0.82	ug/L			09/04/21 08:43	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: VRI-9-20210901

Lab Sample ID: 480-189085-10

Date Collected: 09/01/21 16:45

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		2.0	0.78	ug/L			09/04/21 08:43	2
Bromoform	ND		2.0	0.52	ug/L			09/04/21 08:43	2
Bromomethane	ND		2.0	1.4	ug/L			09/04/21 08:43	2
Carbon disulfide	ND		2.0	0.38	ug/L			09/04/21 08:43	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			09/04/21 08:43	2
Chlorobenzene	ND		2.0	1.5	ug/L			09/04/21 08:43	2
Chloroethane	ND		2.0	0.64	ug/L			09/04/21 08:43	2
Chloroform	ND		2.0	0.68	ug/L			09/04/21 08:43	2
Chloromethane	ND		2.0	0.70	ug/L			09/04/21 08:43	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			09/04/21 08:43	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			09/04/21 08:43	2
Cyclohexane	ND		2.0	0.36	ug/L			09/04/21 08:43	2
Dibromochloromethane	ND		2.0	0.64	ug/L			09/04/21 08:43	2
Dichlorodifluoromethane	ND	UJ	2.0	1.4	ug/L			09/04/21 08:43	2
Ethylbenzene	ND		2.0	1.5	ug/L			09/04/21 08:43	2
Isopropylbenzene	ND		2.0	1.6	ug/L			09/04/21 08:43	2
Methyl acetate	ND		5.0	2.6	ug/L			09/04/21 08:43	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			09/04/21 08:43	2
Methylcyclohexane	ND		2.0	0.32	ug/L			09/04/21 08:43	2
Methylene Chloride	3.3	UB	2.0	0.88	ug/L			09/04/21 08:43	2
N-Propylbenzene	ND		2.0	1.4	ug/L			09/04/21 08:43	2
Styrene	ND		2.0	1.5	ug/L			09/04/21 08:43	2
Tetrachloroethene	ND		2.0	0.72	ug/L			09/04/21 08:43	2
Toluene	ND		2.0	1.0	ug/L			09/04/21 08:43	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			09/04/21 08:43	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			09/04/21 08:43	2
Trichloroethene	ND		2.0	0.92	ug/L			09/04/21 08:43	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			09/04/21 08:43	2
Vinyl chloride	ND		2.0	1.8	ug/L			09/04/21 08:43	2
Xylenes, Total	ND		4.0	1.3	ug/L			09/04/21 08:43	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		09/04/21 08:43	2
4-Bromofluorobenzene (Surr)	110		73 - 120		09/04/21 08:43	2
Dibromofluoromethane (Surr)	111		75 - 123		09/04/21 08:43	2
Toluene-d8 (Surr)	104		80 - 120		09/04/21 08:43	2

Client Sample ID: Duplicate-20210901

Lab Sample ID: 480-189085-11

Date Collected: 09/01/21 12:00

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			09/04/21 09:06	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			09/04/21 09:06	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			09/04/21 09:06	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			09/04/21 09:06	20
1,1-Dichloroethane	ND		20	7.6	ug/L			09/04/21 09:06	20
1,1-Dichloroethene	ND		20	5.8	ug/L			09/04/21 09:06	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			09/04/21 09:06	20

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: Duplicate-20210901

Lab Sample ID: 480-189085-11

Date Collected: 09/01/21 12:00

Matrix: Water

Date Received: 09/03/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	220		20	15	ug/L			09/04/21 09:06	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			09/04/21 09:06	20
1,2-Dibromoethane	ND		20	15	ug/L			09/04/21 09:06	20
1,2-Dichlorobenzene	ND		20	16	ug/L			09/04/21 09:06	20
1,2-Dichloroethane	ND		20	4.2	ug/L			09/04/21 09:06	20
1,2-Dichloropropane	ND		20	14	ug/L			09/04/21 09:06	20
1,3,5-Trimethylbenzene	580		20	15	ug/L			09/04/21 09:06	20
1,3-Dichlorobenzene	ND		20	16	ug/L			09/04/21 09:06	20
1,4-Dichlorobenzene	ND		20	17	ug/L			09/04/21 09:06	20
2-Butanone (MEK)	ND		200	26	ug/L			09/04/21 09:06	20
2-Hexanone	ND		100	25	ug/L			09/04/21 09:06	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			09/04/21 09:06	20
Acetone	ND		200	60	ug/L			09/04/21 09:06	20
Benzene	ND		20	8.2	ug/L			09/04/21 09:06	20
Bromodichloromethane	ND		20	7.8	ug/L			09/04/21 09:06	20
Bromoform	ND		20	5.2	ug/L			09/04/21 09:06	20
Bromomethane	ND		20	14	ug/L			09/04/21 09:06	20
Carbon disulfide	ND		20	3.8	ug/L			09/04/21 09:06	20
Carbon tetrachloride	ND		20	5.4	ug/L			09/04/21 09:06	20
Chlorobenzene	ND		20	15	ug/L			09/04/21 09:06	20
Chloroethane	ND		20	6.4	ug/L			09/04/21 09:06	20
Chloroform	ND		20	6.8	ug/L			09/04/21 09:06	20
Chloromethane	ND		20	7.0	ug/L			09/04/21 09:06	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			09/04/21 09:06	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			09/04/21 09:06	20
Cyclohexane	ND		20	3.6	ug/L			09/04/21 09:06	20
Dibromochloromethane	ND		20	6.4	ug/L			09/04/21 09:06	20
Dichlorodifluoromethane	ND	UJ	20	14	ug/L			09/04/21 09:06	20
Ethylbenzene	ND		20	15	ug/L			09/04/21 09:06	20
Isopropylbenzene	20		20	16	ug/L			09/04/21 09:06	20
Methyl acetate	ND		50	26	ug/L			09/04/21 09:06	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			09/04/21 09:06	20
Methylcyclohexane	ND		20	3.2	ug/L			09/04/21 09:06	20
Methylene Chloride	30	UB	20	8.8	ug/L			09/04/21 09:06	20
N-Propylbenzene	20		20	14	ug/L			09/04/21 09:06	20
Styrene	ND		20	15	ug/L			09/04/21 09:06	20
Tetrachloroethene	ND		20	7.2	ug/L			09/04/21 09:06	20
Toluene	ND		20	10	ug/L			09/04/21 09:06	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			09/04/21 09:06	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			09/04/21 09:06	20
Trichloroethene	ND		20	9.2	ug/L			09/04/21 09:06	20
Trichlorofluoromethane	ND		20	18	ug/L			09/04/21 09:06	20
Vinyl chloride	ND		20	18	ug/L			09/04/21 09:06	20
Xylenes, Total	48		40	13	ug/L			09/04/21 09:06	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		77 - 120		09/04/21 09:06	20
4-Bromofluorobenzene (Surr)	101		73 - 120		09/04/21 09:06	20
Dibromofluoromethane (Surr)	114		75 - 123		09/04/21 09:06	20
Toluene-d8 (Surr)	99		80 - 120		09/04/21 09:06	20

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-189085-12

Date Collected: 09/01/21 00:00

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 09:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/04/21 09:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/04/21 09:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/04/21 09:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/04/21 09:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/04/21 09:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/04/21 09:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/04/21 09:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/04/21 09:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/04/21 09:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/04/21 09:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/04/21 09:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/04/21 09:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/04/21 09:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/04/21 09:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/04/21 09:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/04/21 09:29	1
2-Hexanone	ND		5.0	1.2	ug/L			09/04/21 09:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/04/21 09:29	1
Acetone	ND		10	3.0	ug/L			09/04/21 09:29	1
Benzene	ND		1.0	0.41	ug/L			09/04/21 09:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/04/21 09:29	1
Bromoform	ND		1.0	0.26	ug/L			09/04/21 09:29	1
Bromomethane	ND		1.0	0.69	ug/L			09/04/21 09:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/04/21 09:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/04/21 09:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/04/21 09:29	1
Chloroethane	ND		1.0	0.32	ug/L			09/04/21 09:29	1
Chloroform	ND		1.0	0.34	ug/L			09/04/21 09:29	1
Chloromethane	ND		1.0	0.35	ug/L			09/04/21 09:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/04/21 09:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/04/21 09:29	1
Cyclohexane	ND		1.0	0.18	ug/L			09/04/21 09:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/04/21 09:29	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			09/04/21 09:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/04/21 09:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/04/21 09:29	1
Methyl acetate	ND		2.5	1.3	ug/L			09/04/21 09:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/04/21 09:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/04/21 09:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/04/21 09:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/04/21 09:29	1
Styrene	ND		1.0	0.73	ug/L			09/04/21 09:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/04/21 09:29	1
Toluene	ND		1.0	0.51	ug/L			09/04/21 09:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/04/21 09:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/04/21 09:29	1
Trichloroethene	ND		1.0	0.46	ug/L			09/04/21 09:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/04/21 09:29	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-189085-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-189085-12

Date Collected: 09/01/21 00:00

Matrix: Water

Date Received: 09/03/21 08:00

Method: 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			09/04/21 09:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/04/21 09:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120					09/04/21 09:29	1
4-Bromofluorobenzene (Surr)	104		73 - 120					09/04/21 09:29	1
Dibromofluoromethane (Surr)	106		75 - 123					09/04/21 09:29	1
Toluene-d8 (Surr)	103		80 - 120					09/04/21 09:29	1

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