



2021

PERIODIC REVIEW REPORT

FOR

BUFFALO BUSINESS PARK SITE

1800 BROADWAY STREET

NYSDEC SITE #V00663-9

CITY OF BUFFALO, ERIE COUNTY, NEW YORK

Prepared by:



C&S ENGINEERS, INC.

141 ELM STREET

BUFFALO, NEW YORK 14203

Prepared on Behalf of:

BUFFALO BUSINESS PARK, INC.

1800 BROADWAY STREET, BUILDING #1D

BUFFALO, NEW YORK 14212

REPORTING PERIOD:

SEPTEMBER 1, 2020 TO SEPTEMBER 1, 2021

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ACRONYM LIST

AAR	ALTERNATIVES ANALYSIS REPORT
BBP	BUFFALO BUSINESS PARK
BCA	BROWNFIELD CLEANUP AGREEMENT
BCP	BROWNFIELD CLEANUP PROGRAM
BGS	BELOW GROUND SURFACE
DD	DECISION DOCUMENT
DER	DEPARTMENT OF ENVIRONMENTAL REMEDIATION
EC	ENGINEERING CONTROLS
HFM	HISTORIC FILL MATERIAL
IC	INSTITUTIONAL CONTROLS
NYSDEC	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NYSDOH	NEW YORK STATE DEPARTMENT OF HEALTH
O&M	OPERATION AND MAINTENANCE
PAH	POLYCYCLIC AROMATIC HYDROCARBONS
PCBs	POLYCHLORINATED BIPHENYLS
PPM	PARTS PER MILLION
RAOs	REMEDIAL ACTION OBJECTIVES
RAWP	REMEDIAL ACTION WORK PLAN
RI	REMEDIAL INVESTIGATION
SCOs	SOIL CLEANUP OBJECTIVES

SITE	1.004-ACRE PORTION OF THE BUFFALO BUSINESS PARK, BUFFALO, NEW YORK
SMP	SITE MANAGEMENT PLAN
SVOCs	SEMI-VOLATILE ORGANIC COMPOUNDS
UG/L	MICROGRAMS PER LITER
VOCs	VOLATILE ORGANIC COMPOUNDS

EXECUTIVE SUMMARY

C&S Engineers, Inc. (C&S) has prepared this 2021 Periodic Review Report for a 1.413-acre portion of the Buffalo Business Park Site (hereinafter referred to as the Site) located at 1800 Broadway Street in Buffalo, New York.

The Site contains two operable units: Unit 1 was an area of soil contamination which has been remediated by removal of contaminated soils; and Unit 2 is an area of groundwater contamination located in the same area where the soil contamination was located. In addition to the groundwater remedial program, there was concern regarding the potential for vapor intrusion into one of the buildings located south of the area of groundwater contamination.

Remediation of the groundwater contamination at the Site consists of a groundwater pumping system using three wells (MW-3BR, MW-4BR and MW-5 ABR) located within the groundwater contaminant plume. Wells are pumped using appropriate controllers to achieve drawdown of the water table and thus achieve hydraulic capture of contaminated groundwater. Wells are sampled periodically to evaluate if decreases in contaminant levels are being achieved.

The primary goal of the pumping program is to achieve groundwater flow control such that flow of contaminated groundwater does not leave the site but is captured by the pumping system. Based on groundwater contour maps, this goal is being achieved.

Operation of the sub-slab venting system is effectively preventing soil vapors from entering the building and is ongoing.

Areas with remaining contamination will be monitored and maintained as specified in the approved Site Management Plan (SMP).

The SMP was prepared by American Consulting Professionals of New York, PLLC on behalf of Buffalo Business Park, Inc., in accordance with the requirements of the NYSDEC's DER-10 ("Technical Guidance for Site Investigation and Remediation"), dated May 2010, and the guidelines provided by the NYSDEC. The SMP addresses the means for implementing the Intuition Controls (ICs) and/or Engineering Controls (ECs) that are required by the Environmental Easement for the Site. A summary of the SMP is provided below.

Site Identification: Buffalo Business Park Site: 1800 Broadway Street, Buffalo, New York VCP Site No. V00663-9	
Institutional Controls:	1. The property may be used for commercial/ industrial use.
	2. All ECs must be inspected at a frequency and in a manner defined in the SMP.
	3. The use of groundwater underlying the Site is prohibited without necessary water quality treatment as determined by the NYSDOH or the Erie County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.
	4. Compliance with the Department approved Site Management Plan and Periodic Review Reporting is required.
	5. The remedial party or site owner is required to complete and submit a periodic certification of institutional and engineering controls to the Department in accordance with 6NYCRR Part 375-1.8(h)(3).
	6. The potential for vapor intrusion must be evaluated for any buildings developed in the area and any potential impacts that are identified must be monitored or mitigated
Engineering Controls:	1. Vapor Intercept System: Maintain the active SSD system in Building 1A.
	2. Groundwater Pumping System: Groundwater monitoring wells MW4-BR, MW3-BR and MW5A-BR are operated as pumping wells.
Inspections:	
1. Groundwater Pumping System and SSD System inspection	Frequency Annually

Site Identification: Buffalo Business Park Site: 1800 Broadway Street,
Buffalo, New York
VCP Site No. V00663-9

Monitoring:	
1. Groundwater sampling	Annually
Maintenance:	
1. Groundwater Pumping System and SSD System repair	As needed
Reporting:	
1. Periodic Review Report	Annually

The Institutional and Engineering Controls Certification form is provided in **Appendix A**.

1 **SITE OVERVIEW**

The Buffalo Business Park property is located in the Buffalo, New York, County of Erie (see **Figure 1**) and is identified as Block 1, Lots 5.1 and 5.2 on the County of Erie Tax Map. The Buffalo Business Park property is an approximately 22 acre area bounded by NYSDOT property to the north and east, Broadway Street to the south, and TOPS Market to the west.

Buffalo Business Park (BBP) entered into a VCA with the NYSDEC to remediate a 1.004-acre portion of property located in Buffalo, New York ("Site"). This VCA required the Remedial Party, Buffalo Business Park, to investigate and remediate contaminated media at the Site.

The Site consists of a 1 Acre portion of the Buffalo Business Park property located at 1800 Broadway in Buffalo, New York. The site is located at the entrance to the property and consists primarily of parking and driveway areas and a portion of the commercial/industrial building fronting on Broadway.

The owner of the site parcels at the time of issuance of this PRR is/are:

Buffalo Business Park, Inc.

1800 Broadway

Buffalo, NY 14212

1.1 Geology and Hydrogeology

Several environmental studies have previously been conducted at BBP from which subsurface conditions have been generally characterized. The overburden materials are approximately 14 feet in thickness at BBP. They generally consist of fill materials that are variable in thickness to a depth of approximately two feet. Fill material is generally described as sands and gravel with some ash, brick, wood and railroad ties which is consistent with its past use as a rail yard. This is underlain by native materials consisting of brown gravelly sands with some silt. This material is laterally variable, but is generally 14 to 16 feet in thickness. Bedrock is at approximately 14 feet below ground surface (BGS), and consists of gray, crystalline Limestone (Onondaga Limestone.)

Groundwater is present in the overburden with groundwater flow direction to the southwest and southeast. Groundwater in bedrock reportedly flows to the southeast; however, the overburden and bedrock hydraulic zones are likely connected given the highly permeable nature of the overburden gravelly sands.

1.2 Site History

The Site and the vicinity were historically used for railroad transport/tracks associated with the Pullman Car Company from 1900 until at least 1950.

Previous investigations identified the presence of VOCs in site soils and groundwater including tetrachloroethene in soil, and tetrachloroethene, trichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, methylene chloride and vinyl chloride in groundwater. Based on this information, the site was divided into two operable units for purposes of investigation and remediation:

- Operable Unit #1, consisting of that area of site with defined contaminated soils; and
- Operable Unit #2, consisting of that area of the site with defined groundwater contamination.

In October 2003, a remedial action work plan (RAWP) was prepared to excavate soils from Operable Unit #1 at the site, described as an area of soil contamination. This remedy proposed the excavation of impacted soils and treatment in an ex-situ soil vapor extraction system. This RAWP was submitted to the NYSDEC for review and was subsequently approved on August 10, 2005. The approved remedy was subsequently reviewed and modified to consist of excavation of contaminated soil

with off-site disposal. The revised RAWP was subsequently approved by the NYSDEC on January 10, 2006.

1.3 Summary of Selected Remedy

The remedial program for the Site consists of the following:

- Excavation of contaminated soil was completed in April 2006;
- Pumping of contaminated groundwater to achieve capture (no contaminated groundwater leaving the site) as well as reduction of groundwater contaminant concentrations. The current Groundwater Pumping System was completed in December 2009; and
- Installation and operation of a sub-slab depressurization system in the building was completed in October 2018.

2 IC/EC PLAN COMPLIANCE REPORT

2.1 IC/EC Requirements and Compliance

2.1.1 Institutional Controls

The institutional controls for this Site are:

- The property may only be used for commercial/industrial use. The long-term Engineering and Institutional Controls included in this SMP must be employed.
- The property may not be used for a higher level of use, such as unrestricted/restricted residential use without additional remediation and amendment of the Deed Restriction, as approved by the NYSDEC.
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with this SMP; any excavated soils should be handled as specified in the Soil Management Plan.
- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use.
- The potential for vapor intrusion must be evaluated for any buildings developed in the area and any potential impacts that are identified must be monitored or mitigated.
- Vegetable gardens and farming on the property are prohibited.
- The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Restricted Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Restricted Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2.1.2 Engineering Controls

The engineering controls for this Site are:

- Vapor Intercept System: The active SSD system will not be discontinued unless prior written approval is granted by the NYSDEC.
- Groundwater Pumping System: Groundwater monitoring wells MW3-BR, MW4-BR and MW5A-BR are operated as pumping wells. The groundwater pumping system will not be discontinued unless prior written approval is granted by the

NYSDEC. In the event that monitoring data indicates that the groundwater pumping system is no longer required, a proposal to discontinue the system will be submitted by Buffalo Business Park. Conditions that warrant discontinuing the groundwater pumping system include contaminant concentrations in groundwater that: (1) reach levels that are consistently below ambient water quality standards, (2) have become asymptotic to a low level over an extended period of time as accepted by the NYSDEC, or (3) the NYSDEC has determined that the groundwater pumping system has reached the limit of its effectiveness. This assessment will be based in part on post-remediation contaminant levels in groundwater collected from monitoring wells located throughout the site. Systems will remain in place and operational until permission to discontinue their use is granted in writing by the NYSDEC.

2.2 IC/EC Certification

As required, the Site Management Periodic Review Report Notice – Institutional and Engineering Controls Certificate Form has been completed and a copy is provided in **Appendix A**.

2.3 Review of Institutional Controls

The following observations, related to the Site's ICs were noted at the time of the site reconnaissance:

- The Site has not changed owners and the land use of the Site has not changed. All institutional controls for this Site are in accordance with requirements of the Environmental Easement.
- No groundwater was observed being used at the property. No potable or groundwater supply wells were observed.
- No new buildings or structures have been constructed at the property.
- No vegetable gardens or farming is being conducted at the property.

2.4 Review of Engineering Controls

The following observations, related to the ECs were noted during the site reconnaissance:

- The remedial systems are operating as designed at MW-3BR, MW-4BR and MW-5ABR. Maintenance performed is routine and not unusual (ex. Pump failure). No changes to this remedial system are recommended at this time.
- The sub-slab venting system was continuously operated during the reporting period. No changes to this remedial system are recommended at this time.
- No excavation or importation of materials occurred to the areas under the Environmental Easement within the certifying period.

3 MONITORING PLAN COMPLIANCE REPORT

3.1 Monitoring Plan Requirements

The monitoring plan requires that wells (MW-2BR, MW-3BR, MW-4BR, MW -5BR and MW-5ABR) are sampled annually and samples analyzed for VOCs. Annual groundwater sampling was completed on August 26, 2021.

The plan also requires that all wells are measured for groundwater elevation to evaluate groundwater flow during both equilibrium conditions (pumps turned off) and pumping conditions. Groundwater elevations during pumping conditions were measured on August 22, 2021, and at equilibrium conditions on August 26, 2021.

3.2 Summary of Monitoring Completed during Reporting Period

Copies of the field sampling logs are provided in **Appendix B**. A potentiometric contour map based pumping conditions is provided as **Figure 2**. Equilibrium conditions are shown as **Figure 1**.

2021 groundwater analytical results are included in **Appendix B**.

3.3 Comparisons with Remedial Objectives

There are three principal contaminants present in groundwater: tetrachloroethene, trichloroethene and dichloroethene. Vinyl chloride is also present in some wells at lesser concentrations. Three of these compounds (trichloroethene, dichloroethene and vinyl chloride) are degradation products of tetrachloroethene. Review and comparison of the 2021 groundwater analytical results shows the following:

- **MW-2BR.** Four volatile organic compounds (VOCs) were present in the groundwater sample. In 2021, Dichloroethene was present at slightly higher concentration of 190 micrograms per liter (ug/l) than in 2020 (133 ug/l). Tetrachloroethene was present at 44 ug/l, this was not detected since 2017 (42 ug/l). Trichloroethene was present at 16 ug/l, this was not detected since 2016 (69 ug/l). Vinyl chloride was present at 15 ug/l which is similar to the concentration detected in 2020 (14.7 ug/l).
- **MW-3BR.** Three VOCs were present in the groundwater sample. In 2021, Dichloroethene was present at significantly higher concentration of 5,900 ug/l than in 2020 (2,390 ug/l). Tetrachloroethene was present at 3,000 ug/l, which is similar to the concentration detected 2020 (3,170 ug/l). Trichloroethene was present at 1,800 ug/l, which is a slightly higher concentration detected 2020 (995 ug/l).
- **MW-4BR.** Three VOCs were present in the groundwater. The concentration of Dichloroethene was slightly lower in 2021 (2,400 ug/l) compared to the 2020 concentration (2,760 ug/l). The 2021 concentration of Tetrachloroethene significantly increased (4,900 ug/l) versus 2020 (1,960 ug/l). In 2021,

Trichloroethene significantly increased (1,300 ug/l) versus 2020 (877 ug/l). Lastly, vinyl chloride was not detected which is a significant decrease from 2020 (52.5 ug/l).

- **MW-5BR.** One VOCs was present in the groundwater sample. The 2021 concentration of dichloroethene (4,700 ug/l) significantly decreased from the 2020 concentration of 6,080 ug/l. Tetrachloroethene, trichloroethene and vinyl chloride was not detected in the 2021 groundwater sample.
- **MW-5ABR.** Two VOCs was present in the 2021 groundwater sample. Dichloroethene (12,000 ug/ l) increased concentration over 2020 (6,070 ug/l). Tetrachloroethene was detected at 320 ug/l which is similar to the 353 ug/l concentration is 2020.

Field sample logs are attached in **Appendix C**.

3.4 Monitoring Deficiencies

There were no monitoring deficiencies in this period. Groundwater elevations were measured during this period on an annual basis on August 22, 2021 and again on August 26, 2021.

3.5 Conclusions and Recommendations

Groundwater monitoring results show that the remedial objective of on-site hydraulic capture of contaminated groundwater is being met. Based on the potentiometric data, natural groundwater flow (pumps off) forms a slight ridge on the western boundary of the VCP Site. Groundwater appears to flow to the southeast and southwest. With the pumps on the groundwater flow significantly changes; the ridge is gone and groundwater elevations fall toward the three pumping wells.

Groundwater quality objectives have shown an historic decrease in contaminant levels until 2014, when the contaminant concentrations in groundwater increased at monitoring wells MW-2BR and MW-4BR.

Contaminant concentrations decreased again during the 2015-2016 period; however, contaminant concentrations increased overall again during the 2016-2017 period. In 2018, contaminant concentrations decreased in four of the five wells sampled, and increased in one of the site wells sampled. In 2019, contaminant concentrations again decreased in three of the five wells. In 2020, contaminant concentrations again decreased in three of the five wells sampled and analyzed. In 2021, the types of contaminants and concentrations have decreased in a few wells, most wells showed an increase from the previous sample event.

No changes to the monitoring program are recommended at this time.

4 OPERATION & MAINTENANCE (O&M) PLAN COMPLIANCE REPORT

4.1 Components of O&M Plan

Inspections and data recording were completed as described in the Site Management Plan. There were no deficiencies this recording period.

4.2 Summary of O&M Completed During Reporting Period

O&M activities will be summarized and details of O&M actions will be recorded in the monthly inspection reports that are kept onsite. The sub-slab depressurization blowers were recently inspected. This certified inspection form is attached as **Appendix D**.

- On May 29, 2021, the activated carbon inside the tank was removed by Carbon Activated Corporation. The old carbon was placed into drums and sent back to the manufacturer. New activated carbon was replaced inside the tank. Copies of the carbon disposal manifest is provided in **Appendix E**.
- In February 2021 the pump in MW-4BR was not working correctly. It was determined that the pump needed to be replaced. The pump was immediately order; however, due to supply chain interruptions the pump was not received and installed until April 2021. The same pump size and model was replaced.

4.3 Evaluation of Remedial Systems

4.3.1 Groundwater Pumping System

- Buffalo Business Park continues to operate and maintain the groundwater pumping system. Review of the totalizer information for pumping wells MW-3BR, 4BR and 5ABR for the 2020 - 2021 reporting period indicates that these wells operated for most of the year (**Table 3**). The combined number of gallons pumped from the three well totalizers was 923,100, a significant increase over the last annual reporting period.
- The remedial systems are operating as designed at MW-3BR, MW-4BR and MW-5ABR. Maintenance performed is routine and not unusual (ex. Pump failure). No changes to this remedial system are recommended at this time.
- The groundwater pre-treatment system is operating as designed to meet the BSA discharge limits.
- Buffalo Business Park will receive renewal of the Buffalo Sewer Authority Permit in 2021. As part of the permit renewal, post treatment water samples, from the 500 pound activated carbon system, were collected and analyzed for VOCs and mercury in July 2021. The results showed the system is performing as designed. The analytical results from these sampling events are presented in **Appendix E**.

4.3.2 Vapor Intercept System

- The sub-slab venting system is also operating as designed. No changes to this remedial system are recommended.

4.4 O&M Deficiencies

There are no operational or maintenance deficiencies at this time.

4.5 Conclusions and Recommendations

The remedial system as designed and operated is capturing contaminated groundwater at the site. There are no recommendations for improvement to the remedial system. No changes to the O&M plan are recommended

5 CONCLUSIONS

5.1 Compliance with Site Management Plan

The sub-slab venting system was continuously operational during the 2020 - 2021 period.

Buffalo Business Park will comply with all aspects of the SMP (IC/EC; O&M and Monitoring) during the next annual reporting period (2022).

No changes to EC/IC Plan are recommended at this time. The IC/E certification is provided in **Appendix A**.

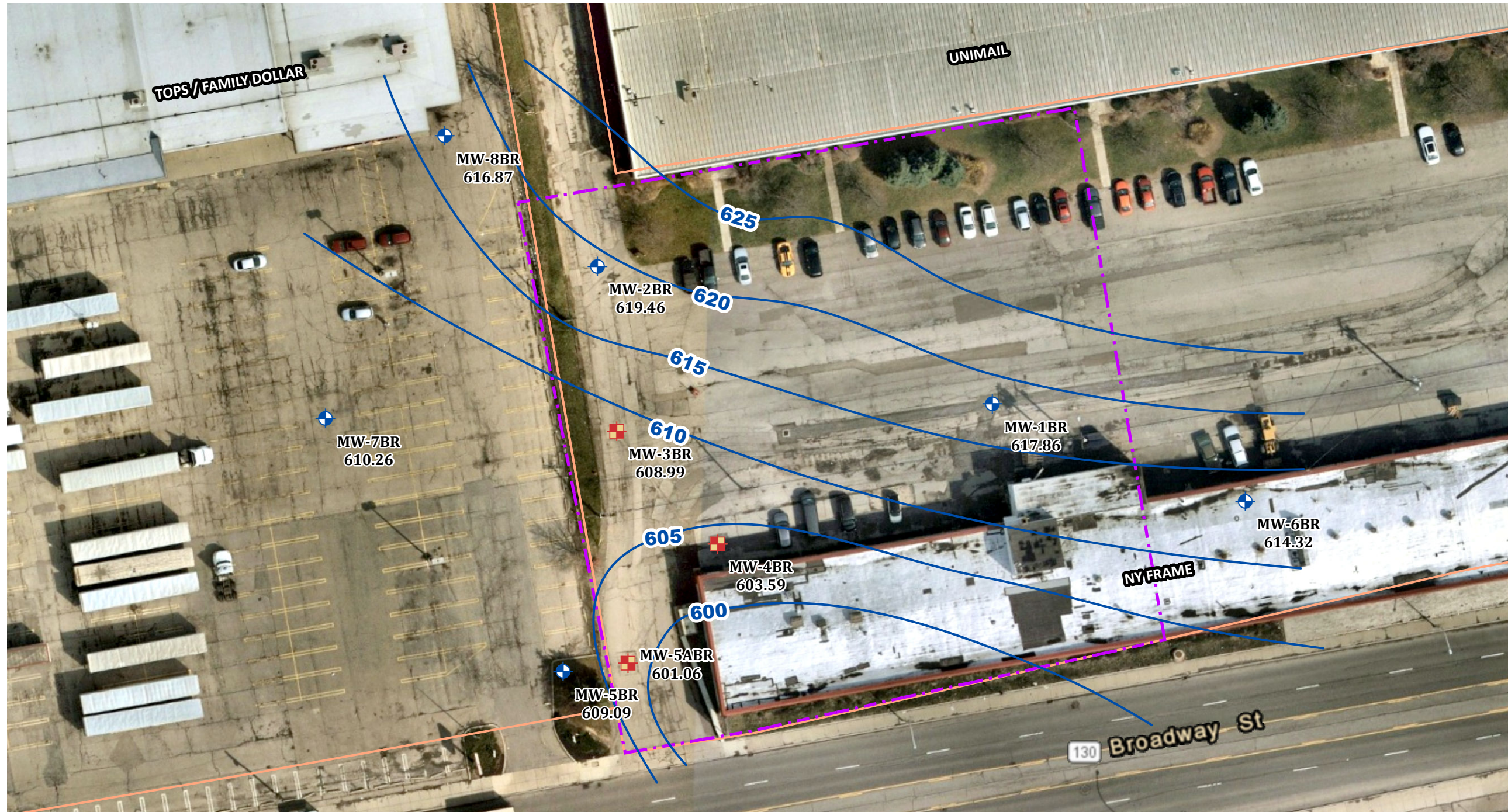
The requirements of the SMP appear to be satisfied.

5.2 Performance and Effectiveness of the Remedy

The remedy has been effective in containing groundwater contamination and preventing contamination from leaving the site. Groundwater quality criteria have not been met and pumping should continue.

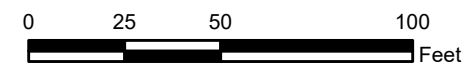
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FIGURES



Legend

-  GROUNDWATER MONITORING WELL
-  GROUNDWATER PUMPING WELL
-  VOLUNTEER CLEANUP PROGRAM BOUNDARY
-  PROPERTY BOUNDARY



C&S Engineers, Inc.
141 Elm Street
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

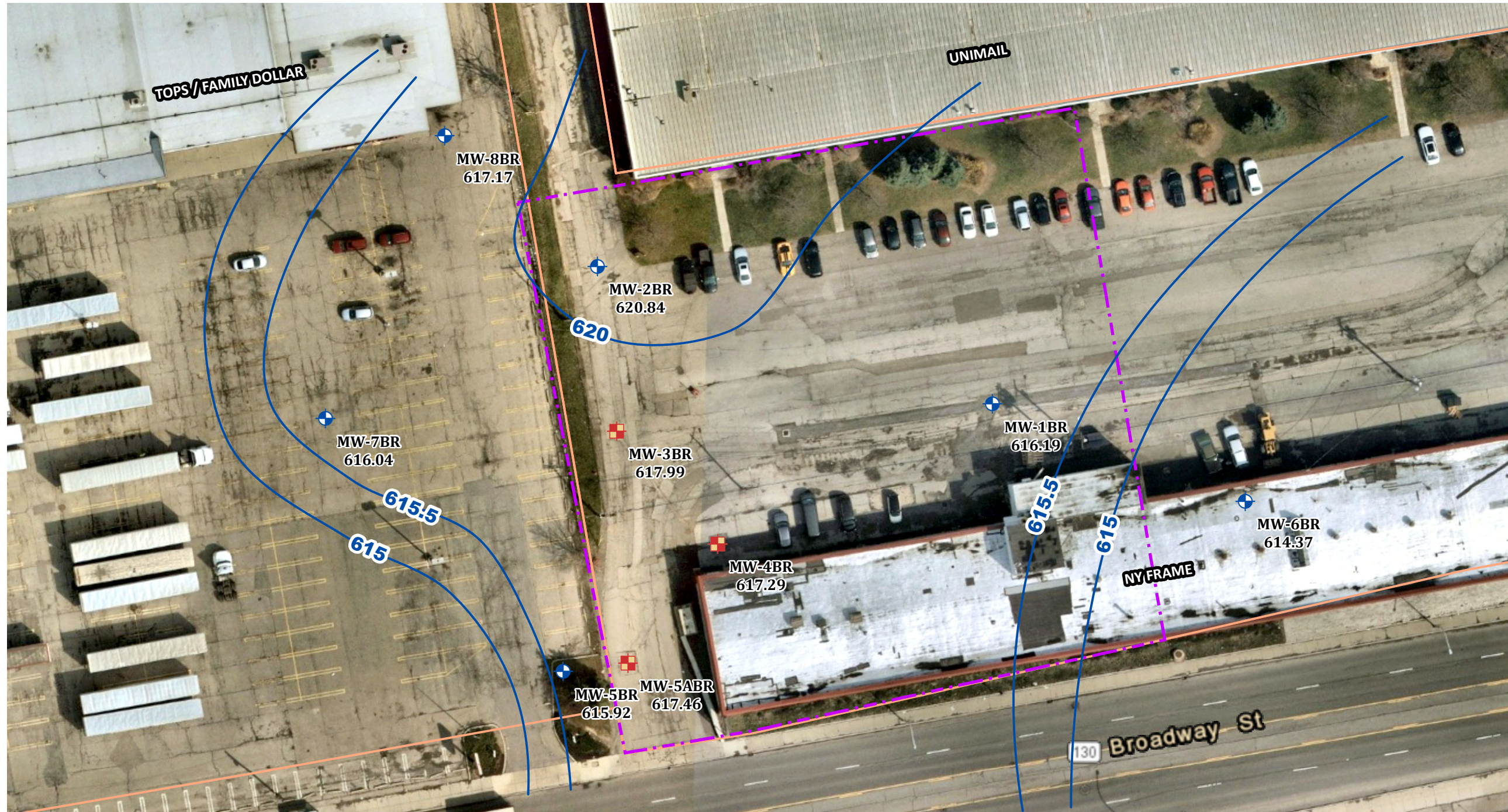


**BUFFALO BUSINESS PARK
VOLUNTARY CLEANUP PROGRAM
SITE #V00663-9
BUFFALO, NEW YORK**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:	Y05.001.002	
DATE:	08/11/2021	
DRAWN BY:	C. MARTIN	
DESIGNED BY:	C. MARTIN	
CHECKED BY:	D. RIKER	
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

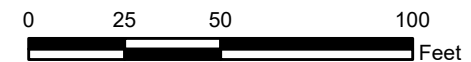
WATER LEVELS
PUMPS ON

FIGURE 1



Legend

-  GROUNDWATER MONITORING WELL
-  GROUNDWATER PUMPING WELL
-  VOLUNTEER CLEANUP PROGRAM BOUNDARY
-  PROPERTY BOUNDARY



C&S Engineers, Inc.
141 Elm Street
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com



**BUFFALO BUSINESS PARK
VOLUNTARY CLEANUP PROGRAM
SITE #V00663-9
BUFFALO, NEW YORK**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:	Y05.001.002	
DATE:	08/11/2021	
DRAWN BY:	C. MARTIN	
DESIGNED BY:	C. MARTIN	
CHECKED BY:	D. RIKER	
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

WATER LEVELS
PUMPS OFF

FIGURE 2

TABLES

TABLE 1

**BUFFALO BUSINESS PARK WATER LEVELS
PUMPS TURNED ON
8/22/2021**



WELL NUMBER	RISER ELEVATION (FT)	DEPTH TO WATER (FT)	WATER LEVEL ELEVATION (FT)
MW-1 BR	624.44	6.58	617.86
MW-2 BR	625.04	5.58	619.46
MW-3 BR *	623.99	15.00	608.99
MW-4 BR *	622.79	19.20	603.59
MW-5 ABR *	619.76	18.70	601.06
MW-5 BR	622.42	13.33	609.09
MW-6 BR	623.57	9.25	614.32
MW-7 BR	623.34	13.08	610.26
MW-8 BR	625.87	9.00	616.87

* Pumping Wells

Groundwater levels were provided by Buffalo Business Park

Monthly groundwater levels are recorded and kept in a log onsite

TABLE 2

BUFFALO BUSINESS PARK WATER LEVELS
PUMPS TURNED OFF
8/24/2021



WELL NUMBER	RISER ELEVATION (FT)	DEPTH TO WATER (FT)	WATER LEVEL ELEVATION (FT)
MW-1 BR	624.44	8.25	616.19
MW-2 BR	625.04	4.20	620.84
MW-3 BR *	623.99	6.00	617.99
MW-4 BR *	622.79	5.50	617.29
MW-5 ABR *	619.76	2.30	617.46
MW-5 BR	622.42	6.50	615.92
MW-6 BR	623.57	9.20	614.37
MW-7 BR	623.34	7.30	616.04
MW-8 BR	625.87	8.70	617.17

* Pumping Wells

Groundwater levels were provided by Buffalo Business Park

TABLE 3

**PUMPING WELL TREATMENT SYSTEM
TOTALIZERS BUFFALO BUSINESS PARK**



DATE	MW-4 BR	MW-2 BR	MW-3 BR	MW-5A BR	Treatment System Totalizer
10/1/2009	137,280	NA	NA	NA	
12/15/2009	148,600	--	NA	NA	
9/8/2010	194,590	NA	NA	NA	
9/15/2010	NA	NA	NA	--	
4/27/2011	231,020	1,220	NA	44,170	
5/31/2012	256,870	4,930	NA	116,430	
5/8/2013	289,130	5,180	NA	170,960	
5/15/2014	403,380	5,310	NA	224,850	
1/19/2015	421,440	5,310	NA	254,600	
5/27/2015	421,460	5,310	NA	272,660	
7/17/2015	424,105	NA	NA	279,160	
1/7/2016	424,130	NA	60	279,160	
3/9/2016	424,140	NA	18,650	287,420	
5/26/2016	424,140	NA	107,920	296,980	
9/22/2016	424,220	NA	123,410	297,650	
12/23/2016	58	NA	235,347	305,340	
5/17/2017	19,531	NA	490,000	310,500	
11/15/2018	--	NA	--	--	--
11/29/2018	80,460	NA	687,690	320,500	--
3/19/2019	--	NA	--	--	57,955
8/19/2019	--	NA	--	--	96,495
10/30/2019	80,460	NA	30	64,900	--
11/28/2019	--	NA	--	--	121,350
10/21/2020	130,169	NA	365,940	102,990	535,500
8/24/2021	134,620	NA	787,330	111,910	923,100

MW-2 BR - pump removed due to poor recharge - 5/27/15

MW-3 BR - pump started - 1/7/16

Totalizer readings are recorded monthly and kept in a log onsite

TABLE 4

HISTORIC GROUNDWATER ANALYTICAL RESULTS
BUFFALO BUSINESS PARK



Well ID			MW2-BR	MW2-BR	MW2-BR	MW2-BR	MW2-BR	MW2-BR	MW2-BR	MW2-BR	MW2-BR	MW2-BR
Date			5/31/2012	5/9/2013	5/9/2014	5/28/2015	5/27/2016	5/18/2017	11/13/2018	10/30/2019	10/30/2019	8/24/2021
Parameter	Units	Criteria										
1,2-Dichloroethene (cis)	ug/l	5	17	100	2300	4800	2500	1600	450	280	133	190
1,2-Dichloroethene, Total	ug/l			100	2300	4800	2500	1600				
Tetrachloroethene	ug/l	5	20	8.1	5500	18,000	95	42				44
Trichloroethene	ug/l	5	2.2	0.92J	1000	1,600	69					16
Vinyl chloride	ug/l	2							67	25	14.7	15
Total VOC			39	208	11100	29200	5164	3242	517	305	148	265

Well ID			MW3-BR	MW3-BR	MW3-BR	MW3-BR	MW3-BR	MW3-BR	MW3-BR	MW3-BR	MW3-BR	MW3-BR
Date			5/31/2012	5/9/2013	5/9/2014	5/28/2015	5/27/2016	5/18/2017	11/13/2018	10/30/2019	10/22/2020	8/24/2021
Parameter	Units	Criteria										
1,2-Dichloroethene (cis)	ug/l	5	220	1800	520	1,400	1100	1800	5400	5800	2390	5900
1,2-Dichloroethene, Total	ug/l			1800	520	1400	1100	1800				
Tetrachloroethene	ug/l	5	1400	16000	4100	21,000	4400	4300	1300	2800	3170	3000
Trichloroethene	ug/l	5	78	810	180	1,200	630	1100	510	1000	995	1800
Vinyl chloride	ug/l	2							630	240	76.4	
Total VOC			1698	20410	5320	25000	7230	9000	7840	9840	6631	10700

Well ID			MW4-BR	MW4-BR	MW4-BR	MW4-BR	MW4-BR	MW4-BR	MW4-BR	MW4-BR	MW4-BR	MW4-BR
Date			5/31/2012	5/9/2013	5/9/2014	5/28/2015	5/27/2016	5/18/2017	11/13/2018	10/30/2019	10/22/2020	8/24/2021
Parameter	Units	Criteria										
2-Butanone (MEK)										150J		
1,1-Dichloroethene								12J				
1,2-Dichloroethene (cis)	ug/l	5	730	990	1700	890	2900	3300	2500	2300	2760	2400
1,2-Dichloroethene, Total	ug/l			1000	1700	890	2900	3300				
Tetrachloroethene	ug/l	5	13000	11000	12000	20,000	520	7100	5500	1300	1960	4900
Trans-1,2-Dichloroethene							40	56				
Trichloroethene	ug/l	5	1500	1600	2200	2,600	290	2200	1700	870	877	1300
Vinyl chloride	ug/l	2					130				52.5	
Total VOC			15230	14590	17600	24380	6780	15956	9700	4470	5649.5	8600

TABLE 4

HISTORIC GROUNDWATER ANALYTICAL RESULTS
BUFFALO BUSINESS PARK



Well ID			MW5-BR	MW5-BR	MW5-BR	MW5-BR	MW5-BR	MW5-BR	MW5-BR	MW5-BR	MW5-BR	MW5-BR
Date			5/31/2012	5/9/2013	5/9/2014	5/28/2015	5/27/2016	5/18/2017	11/13/2018	10/30/2019	10/22/2020	8/24/2021
Parameter	Units	Criteria										
1,1-Dichloroethene						15						
1,2-Dichloroethene (cis)	ug/l	5	3500	2100	740	3,000	3700	6300	3100	3500	6080	4700
1,2-Dichloroethene, Total	ug/l			2100	750	3,000	3700	6300				
Tetrachloroethene	ug/l	5	220	320	110	2,100	1500		12000	510	<100	
Trichloroethene	ug/l	5	160	290	77	1,000	1300	190	2700	290	<100	
Vinyl chloride	ug/l	2		100	110	130		130		170	178	
Total VOC			3880	4910	1787	9245	10200	12920	17800	4470	6258	4700

Well ID			MW5-ABR	MW5-ABR	MW5-ABR	MW5-ABR	MW5-ABR	MW5-ABR	MW5-ABR	MW5-ABR	MW5-ABR	MW5-ABR
Date			5/31/2012	5/9/2013	5/9/2014	5/28/2015	5/27/2016	5/18/2017	11/13/2018	10/30/2019	10/22/2020	8/24/2021
Parameter	Units	Criteria										
1,1-Dichloroethene						9.6						
1,2-Dichloroethene (cis)	ug/l	5	1900	870	170	1,500	2100	5100	2800	2900	6070	12000
1,2-Dichloroethene, Total	ug/l			880	170	1,500	2100	5100				
Tetrachloroethene	ug/l	5	8900	1300	410	12,000	4000	180		3900	<100	
Trichloroethene	ug/l	5	2000	370	110	2,300	1400	1400		960	353	320
Vinyl chloride	ug/l	2				76			80	39J	<100	
Total VOC			12800	3420	860	17385.6	9600	11780	2880	7760	6423	12320

APPENDICES

APPENDIX A

INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. **V00663**

Site Name **Buffalo Business Park**

Site Address: 1800 Broadway Zip Code: 14212-2001

City/Town: Buffalo

County: Erie

Site Acreage: 1.413

Reporting Period: September 01, 2020 to September 01, 2021

YES NO

1. Is the information above correct?

☒ ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?

☐ ☒

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?

☐ ☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

☐ ☒

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development?

☐ ☒

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?
Commercial and Industrial

☒ ☐

7. Are all ICs in place and functioning as designed?

☒ ☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Description of Institutional ControlsParcelOwnerInstitutional Control**101.19-1-5.1**

GARY CREWSON

Ground Water Use Restriction
 Site Management Plan
 Soil Management Plan
 Ground Water Use Restriction
 Soil Management Plan
 Landuse Restriction
 Monitoring Plan
 Site Management Plan
 O&M Plan
 IC/EC Plan

The deed restriction was filed on 11-19-2010. The Controlled Property (1.4137 acres) is subject to the Site Management Plan. The Controlled Property is the south west corner of the entire Buffalo Business Park property.

Restrictions:

1. The Controlled Property may be used only for industrial or commercial purposes, excluding day care, child care, and medical care uses.
2. The Groundwater beneath the Controlled Property may not be used for potable or non-potable purposes;
3. The Site Management Plan must be implemented for the Controlled Property;
4. Soils at the Controlled Property shall be managed in accordance with the Site Management plan.

Description of Engineering ControlsParcelEngineering Control**101.19-1-5.1**

Groundwater Treatment System
 Vapor Mitigation

1. SSDS: A sub slab depressurization system (SSDS) is installed in the western end of New York frame building consisting of two active vents.
2. Pumping System: Three bedrock monitoring wells MW4-BR, MW3-BR and MW5A-BR are operated as pumping wells. Recovered groundwater is discharged to BSA.

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

☒ ☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

☒ ☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. V00663

Box 6

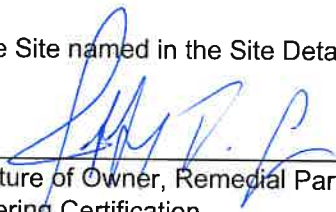
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Jeff Crewson at 1800 Broadway, Buffalo, NY 14212
print name print business address

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.


Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

10/5/21
Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Cody Martin at 141 Elm Street, Suite 100, Buffalo, NY,
print name print business address

am certifying as a Qualified Environmental Professional for the Buffalo Business Park, Inc.
(Owner or Remedial Party)



Signature of Qualified Environmental Professional, for
the Owner or Remedial Party, Rendering Certification

Stamp
(Required for PE)

9/29/2021
Date

APPENDIX B

LABORATORY DATA PACKAGE

ANALYTICAL REPORT

Job Number: 480-188804-1

Job Description: Buffalo Business Park

For:

C&S Engineers, Inc.

141 Elm Street

Suite 100

Buffalo, NY 14203

Attention: Cody Martin



Approved for release.
Judy L Stone
Senior Project Manager
8/31/2021 6:01 PM

Judy L Stone, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0868
Judy.Stone@Eurofinset.com
08/31/2021

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
480-188804-1

Comments

No additional comments.

Receipt

The samples were received on 8/25/2021 1:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 19.4° C.

GC/MS VOA

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-5-ABR-082421 (480-188804-1), MW-5-ABR-082421 (480-188804-1[MS]), MW-5-ABR-082421 (480-188804-1[MSD]), MW-4BR-082421 (480-188804-2), DUP-082421 (480-188804-3), MW-3BR-082421 (480-188804-4), MW-2BR-082421 (480-188804-5) and MW-5BR-082421 (480-188804-6). Elevated reporting limits (RLs) are provided.

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

Sample Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-188804-1	MW-5-ABR-082421	Water	08/24/21 10:41	08/25/21 13:30
480-188804-2	MW-4BR-082421	Water	08/24/21 11:25	08/25/21 13:30
480-188804-3	DUP-082421	Water	08/24/21 11:30	08/25/21 13:30
480-188804-4	MW-3BR-082421	Water	08/24/21 12:00	08/25/21 13:30
480-188804-5	MW-2BR-082421	Water	08/24/21 12:45	08/25/21 13:30
480-188804-6	MW-5BR-082421	Water	08/24/21 13:10	08/25/21 13:30

Detection Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

Client Sample ID: MW-5-ABR-082421

Lab Sample ID: 480-188804-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	12000	F1	400	320	ug/L	400			8260C	Total/NA
Trichloroethene	320	J	400	180	ug/L	400			8260C	Total/NA

Client Sample ID: MW-4BR-082421

Lab Sample ID: 480-188804-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2400		100	81	ug/L	100			8260C	Total/NA
Tetrachloroethene	4900		100	36	ug/L	100			8260C	Total/NA
Trichloroethene	1300		100	46	ug/L	100			8260C	Total/NA

Client Sample ID: DUP-082421

Lab Sample ID: 480-188804-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2800		100	81	ug/L	100			8260C	Total/NA
Tetrachloroethene	4800		100	36	ug/L	100			8260C	Total/NA
Trichloroethene	1300		100	46	ug/L	100			8260C	Total/NA

Client Sample ID: MW-3BR-082421

Lab Sample ID: 480-188804-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5900		200	160	ug/L	200			8260C	Total/NA
Tetrachloroethene	3000		200	72	ug/L	200			8260C	Total/NA
Trichloroethene	1800		200	92	ug/L	200			8260C	Total/NA

Client Sample ID: MW-2BR-082421

Lab Sample ID: 480-188804-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	190		5.0	4.1	ug/L	5			8260C	Total/NA
Tetrachloroethene	44		5.0	1.8	ug/L	5			8260C	Total/NA
Trichloroethene	16		5.0	2.3	ug/L	5			8260C	Total/NA
Vinyl chloride	15		5.0	4.5	ug/L	5			8260C	Total/NA

Client Sample ID: MW-5BR-082421

Lab Sample ID: 480-188804-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4700		130	100	ug/L	125			8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Method Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

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: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

Client Sample ID: MW-5-ABR-082421

Lab Sample ID: 480-188804-1

Date Collected: 08/24/21 10:41

Matrix: Water

Date Received: 08/25/21 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		400	330	ug/L			08/28/21 05:05	400
1,1,2,2-Tetrachloroethane	ND		400	84	ug/L			08/28/21 05:05	400
1,1,2-Trichloroethane	ND		400	92	ug/L			08/28/21 05:05	400
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		400	120	ug/L			08/28/21 05:05	400
1,1-Dichloroethane	ND		400	150	ug/L			08/28/21 05:05	400
1,1-Dichloroethene	ND		400	120	ug/L			08/28/21 05:05	400
1,2,4-Trichlorobenzene	ND		400	160	ug/L			08/28/21 05:05	400
1,2-Dibromo-3-Chloropropane	ND		400	160	ug/L			08/28/21 05:05	400
1,2-Dichlorobenzene	ND		400	320	ug/L			08/28/21 05:05	400
1,2-Dichloroethane	ND		400	84	ug/L			08/28/21 05:05	400
1,2-Dichloropropane	ND		400	290	ug/L			08/28/21 05:05	400
1,3-Dichlorobenzene	ND		400	310	ug/L			08/28/21 05:05	400
1,4-Dichlorobenzene	ND		400	340	ug/L			08/28/21 05:05	400
2-Butanone (MEK)	ND	F2	4000	530	ug/L			08/28/21 05:05	400
2-Hexanone	ND		2000	500	ug/L			08/28/21 05:05	400
4-Methyl-2-pentanone (MIBK)	ND		2000	840	ug/L			08/28/21 05:05	400
Acetone	ND	F2	4000	1200	ug/L			08/28/21 05:05	400
Benzene	ND		400	160	ug/L			08/28/21 05:05	400
Bromodichloromethane	ND		400	160	ug/L			08/28/21 05:05	400
Bromoform	ND		400	100	ug/L			08/28/21 05:05	400
Bromomethane	ND	F2	400	280	ug/L			08/28/21 05:05	400
Carbon disulfide	ND		400	76	ug/L			08/28/21 05:05	400
Carbon tetrachloride	ND		400	110	ug/L			08/28/21 05:05	400
Chlorobenzene	ND		400	300	ug/L			08/28/21 05:05	400
Dibromochloromethane	ND		400	130	ug/L			08/28/21 05:05	400
Chloroethane	ND		400	130	ug/L			08/28/21 05:05	400
Chloroform	ND		400	140	ug/L			08/28/21 05:05	400
Chloromethane	ND		400	140	ug/L			08/28/21 05:05	400
cis-1,2-Dichloroethene	12000	F1	400	320	ug/L			08/28/21 05:05	400
cis-1,3-Dichloropropene	ND		400	140	ug/L			08/28/21 05:05	400
Cyclohexane	ND		400	72	ug/L			08/28/21 05:05	400
Dichlorodifluoromethane	ND		400	270	ug/L			08/28/21 05:05	400
Ethylbenzene	ND		400	300	ug/L			08/28/21 05:05	400
1,2-Dibromoethane	ND		400	290	ug/L			08/28/21 05:05	400
Isopropylbenzene	ND		400	320	ug/L			08/28/21 05:05	400
Methyl acetate	ND		1000	520	ug/L			08/28/21 05:05	400
Methyl tert-butyl ether	ND		400	64	ug/L			08/28/21 05:05	400
Methylcyclohexane	ND		400	64	ug/L			08/28/21 05:05	400
Methylene Chloride	ND		400	180	ug/L			08/28/21 05:05	400
Styrene	ND		400	290	ug/L			08/28/21 05:05	400
Tetrachloroethene	ND		400	140	ug/L			08/28/21 05:05	400
Toluene	ND		400	200	ug/L			08/28/21 05:05	400
trans-1,2-Dichloroethene	ND		400	360	ug/L			08/28/21 05:05	400
trans-1,3-Dichloropropene	ND		400	150	ug/L			08/28/21 05:05	400
Trichloroethene	320	J	400	180	ug/L			08/28/21 05:05	400
Trichlorofluoromethane	ND		400	350	ug/L			08/28/21 05:05	400
Vinyl chloride	ND		400	360	ug/L			08/28/21 05:05	400
Xylenes, Total	ND		800	260	ug/L			08/28/21 05:05	400

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

Client Sample ID: MW-5-ABR-082421

Lab Sample ID: 480-188804-1

Date Collected: 08/24/21 10:41

Matrix: Water

Date Received: 08/25/21 13:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		08/28/21 05:05	400
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		08/28/21 05:05	400
4-Bromofluorobenzene (Surr)	98		73 - 120		08/28/21 05:05	400
Dibromofluoromethane (Surr)	109		75 - 123		08/28/21 05:05	400

Client Sample ID: MW-4BR-082421

Lab Sample ID: 480-188804-2

Date Collected: 08/24/21 11:25

Matrix: Water

Date Received: 08/25/21 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			08/28/21 05:29	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			08/28/21 05:29	100
1,1,2-Trichloroethane	ND		100	23	ug/L			08/28/21 05:29	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			08/28/21 05:29	100
1,1-Dichloroethane	ND		100	38	ug/L			08/28/21 05:29	100
1,1-Dichloroethene	ND		100	29	ug/L			08/28/21 05:29	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			08/28/21 05:29	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			08/28/21 05:29	100
1,2-Dichlorobenzene	ND		100	79	ug/L			08/28/21 05:29	100
1,2-Dichloroethane	ND		100	21	ug/L			08/28/21 05:29	100
1,2-Dichloropropane	ND		100	72	ug/L			08/28/21 05:29	100
1,3-Dichlorobenzene	ND		100	78	ug/L			08/28/21 05:29	100
1,4-Dichlorobenzene	ND		100	84	ug/L			08/28/21 05:29	100
2-Butanone (MEK)	ND		1000	130	ug/L			08/28/21 05:29	100
2-Hexanone	ND		500	120	ug/L			08/28/21 05:29	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			08/28/21 05:29	100
Acetone	ND		1000	300	ug/L			08/28/21 05:29	100
Benzene	ND		100	41	ug/L			08/28/21 05:29	100
Bromodichloromethane	ND		100	39	ug/L			08/28/21 05:29	100
Bromoform	ND		100	26	ug/L			08/28/21 05:29	100
Bromomethane	ND		100	69	ug/L			08/28/21 05:29	100
Carbon disulfide	ND		100	19	ug/L			08/28/21 05:29	100
Carbon tetrachloride	ND		100	27	ug/L			08/28/21 05:29	100
Chlorobenzene	ND		100	75	ug/L			08/28/21 05:29	100
Dibromochloromethane	ND		100	32	ug/L			08/28/21 05:29	100
Chloroethane	ND		100	32	ug/L			08/28/21 05:29	100
Chloroform	ND		100	34	ug/L			08/28/21 05:29	100
Chloromethane	ND		100	35	ug/L			08/28/21 05:29	100
cis-1,2-Dichloroethene	2400		100	81	ug/L			08/28/21 05:29	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			08/28/21 05:29	100
Cyclohexane	ND		100	18	ug/L			08/28/21 05:29	100
Dichlorodifluoromethane	ND		100	68	ug/L			08/28/21 05:29	100
Ethylbenzene	ND		100	74	ug/L			08/28/21 05:29	100
1,2-Dibromoethane	ND		100	73	ug/L			08/28/21 05:29	100
Isopropylbenzene	ND		100	79	ug/L			08/28/21 05:29	100
Methyl acetate	ND		250	130	ug/L			08/28/21 05:29	100
Methyl tert-butyl ether	ND		100	16	ug/L			08/28/21 05:29	100
Methylcyclohexane	ND		100	16	ug/L			08/28/21 05:29	100
Methylene Chloride	ND		100	44	ug/L			08/28/21 05:29	100

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

Client Sample ID: MW-4BR-082421

Lab Sample ID: 480-188804-2

Date Collected: 08/24/21 11:25

Matrix: Water

Date Received: 08/25/21 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		100	73	ug/L			08/28/21 05:29	100
Tetrachloroethene	4900		100	36	ug/L			08/28/21 05:29	100
Toluene	ND		100	51	ug/L			08/28/21 05:29	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			08/28/21 05:29	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			08/28/21 05:29	100
Trichloroethene	1300		100	46	ug/L			08/28/21 05:29	100
Trichlorofluoromethane	ND		100	88	ug/L			08/28/21 05:29	100
Vinyl chloride	ND		100	90	ug/L			08/28/21 05:29	100
Xylenes, Total	ND		200	66	ug/L			08/28/21 05:29	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Toluene-d8 (Surr)</i>	99		80 - 120		08/28/21 05:29	100
<i>1,2-Dichloroethane-d4 (Surr)</i>	98		77 - 120		08/28/21 05:29	100
<i>4-Bromofluorobenzene (Surr)</i>	98		73 - 120		08/28/21 05:29	100
<i>Dibromofluoromethane (Surr)</i>	94		75 - 123		08/28/21 05:29	100

Client Sample ID: DUP-082421

Lab Sample ID: 480-188804-3

Date Collected: 08/24/21 11:30

Matrix: Water

Date Received: 08/25/21 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			08/28/21 05:52	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			08/28/21 05:52	100
1,1,2-Trichloroethane	ND		100	23	ug/L			08/28/21 05:52	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			08/28/21 05:52	100
1,1-Dichloroethane	ND		100	38	ug/L			08/28/21 05:52	100
1,1-Dichloroethene	ND		100	29	ug/L			08/28/21 05:52	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			08/28/21 05:52	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			08/28/21 05:52	100
1,2-Dichlorobenzene	ND		100	79	ug/L			08/28/21 05:52	100
1,2-Dichloroethane	ND		100	21	ug/L			08/28/21 05:52	100
1,2-Dichloropropane	ND		100	72	ug/L			08/28/21 05:52	100
1,3-Dichlorobenzene	ND		100	78	ug/L			08/28/21 05:52	100
1,4-Dichlorobenzene	ND		100	84	ug/L			08/28/21 05:52	100
2-Butanone (MEK)	ND		1000	130	ug/L			08/28/21 05:52	100
2-Hexanone	ND		500	120	ug/L			08/28/21 05:52	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			08/28/21 05:52	100
Acetone	ND		1000	300	ug/L			08/28/21 05:52	100
Benzene	ND		100	41	ug/L			08/28/21 05:52	100
Bromodichloromethane	ND		100	39	ug/L			08/28/21 05:52	100
Bromoform	ND		100	26	ug/L			08/28/21 05:52	100
Bromomethane	ND		100	69	ug/L			08/28/21 05:52	100
Carbon disulfide	ND		100	19	ug/L			08/28/21 05:52	100
Carbon tetrachloride	ND		100	27	ug/L			08/28/21 05:52	100
Chlorobenzene	ND		100	75	ug/L			08/28/21 05:52	100
Dibromochloromethane	ND		100	32	ug/L			08/28/21 05:52	100
Chloroethane	ND		100	32	ug/L			08/28/21 05:52	100
Chloroform	ND		100	34	ug/L			08/28/21 05:52	100
Chloromethane	ND		100	35	ug/L			08/28/21 05:52	100

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

Client Sample ID: DUP-082421

Lab Sample ID: 480-188804-3

Date Collected: 08/24/21 11:30

Matrix: Water

Date Received: 08/25/21 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	2800		100	81	ug/L			08/28/21 05:52	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			08/28/21 05:52	100
Cyclohexane	ND		100	18	ug/L			08/28/21 05:52	100
Dichlorodifluoromethane	ND		100	68	ug/L			08/28/21 05:52	100
Ethylbenzene	ND		100	74	ug/L			08/28/21 05:52	100
1,2-Dibromoethane	ND		100	73	ug/L			08/28/21 05:52	100
Isopropylbenzene	ND		100	79	ug/L			08/28/21 05:52	100
Methyl acetate	ND		250	130	ug/L			08/28/21 05:52	100
Methyl tert-butyl ether	ND		100	16	ug/L			08/28/21 05:52	100
Methylcyclohexane	ND		100	16	ug/L			08/28/21 05:52	100
Methylene Chloride	ND		100	44	ug/L			08/28/21 05:52	100
Styrene	ND		100	73	ug/L			08/28/21 05:52	100
Tetrachloroethene	4800		100	36	ug/L			08/28/21 05:52	100
Toluene	ND		100	51	ug/L			08/28/21 05:52	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			08/28/21 05:52	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			08/28/21 05:52	100
Trichloroethene	1300		100	46	ug/L			08/28/21 05:52	100
Trichlorofluoromethane	ND		100	88	ug/L			08/28/21 05:52	100
Vinyl chloride	ND		100	90	ug/L			08/28/21 05:52	100
Xylenes, Total	ND		200	66	ug/L			08/28/21 05:52	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Toluene-d8 (Surr)</i>	100		80 - 120		08/28/21 05:52	100
<i>1,2-Dichloroethane-d4 (Surr)</i>	97		77 - 120		08/28/21 05:52	100
<i>4-Bromofluorobenzene (Surr)</i>	96		73 - 120		08/28/21 05:52	100
<i>Dibromofluoromethane (Surr)</i>	104		75 - 123		08/28/21 05:52	100

Client Sample ID: MW-3BR-082421

Lab Sample ID: 480-188804-4

Date Collected: 08/24/21 12:00

Matrix: Water

Date Received: 08/25/21 13:30

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			08/28/21 06:15	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			08/28/21 06:15	200
1,1,2-Trichloroethane	ND		200	46	ug/L			08/28/21 06:15	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62	ug/L			08/28/21 06:15	200
1,1-Dichloroethane	ND		200	76	ug/L			08/28/21 06:15	200
1,1-Dichloroethene	ND		200	58	ug/L			08/28/21 06:15	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			08/28/21 06:15	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			08/28/21 06:15	200
1,2-Dichlorobenzene	ND		200	160	ug/L			08/28/21 06:15	200
1,2-Dichloroethane	ND		200	42	ug/L			08/28/21 06:15	200
1,2-Dichloropropane	ND		200	140	ug/L			08/28/21 06:15	200
1,3-Dichlorobenzene	ND		200	160	ug/L			08/28/21 06:15	200
1,4-Dichlorobenzene	ND		200	170	ug/L			08/28/21 06:15	200
2-Butanone (MEK)	ND		2000	260	ug/L			08/28/21 06:15	200
2-Hexanone	ND		1000	250	ug/L			08/28/21 06:15	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			08/28/21 06:15	200
Acetone	ND		2000	600	ug/L			08/28/21 06:15	200

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

Client Sample ID: MW-3BR-082421

Lab Sample ID: 480-188804-4

Date Collected: 08/24/21 12:00

Matrix: Water

Date Received: 08/25/21 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		200	82	ug/L			08/28/21 06:15	200
Bromodichloromethane	ND		200	78	ug/L			08/28/21 06:15	200
Bromoform	ND		200	52	ug/L			08/28/21 06:15	200
Bromomethane	ND		200	140	ug/L			08/28/21 06:15	200
Carbon disulfide	ND		200	38	ug/L			08/28/21 06:15	200
Carbon tetrachloride	ND		200	54	ug/L			08/28/21 06:15	200
Chlorobenzene	ND		200	150	ug/L			08/28/21 06:15	200
Dibromochloromethane	ND		200	64	ug/L			08/28/21 06:15	200
Chloroethane	ND		200	64	ug/L			08/28/21 06:15	200
Chloroform	ND		200	68	ug/L			08/28/21 06:15	200
Chloromethane	ND		200	70	ug/L			08/28/21 06:15	200
cis-1,2-Dichloroethene	5900		200	160	ug/L			08/28/21 06:15	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			08/28/21 06:15	200
Cyclohexane	ND		200	36	ug/L			08/28/21 06:15	200
Dichlorodifluoromethane	ND		200	140	ug/L			08/28/21 06:15	200
Ethylbenzene	ND		200	150	ug/L			08/28/21 06:15	200
1,2-Dibromoethane	ND		200	150	ug/L			08/28/21 06:15	200
Isopropylbenzene	ND		200	160	ug/L			08/28/21 06:15	200
Methyl acetate	ND		500	260	ug/L			08/28/21 06:15	200
Methyl tert-butyl ether	ND		200	32	ug/L			08/28/21 06:15	200
Methylcyclohexane	ND		200	32	ug/L			08/28/21 06:15	200
Methylene Chloride	ND		200	88	ug/L			08/28/21 06:15	200
Styrene	ND		200	150	ug/L			08/28/21 06:15	200
Tetrachloroethene	3000		200	72	ug/L			08/28/21 06:15	200
Toluene	ND		200	100	ug/L			08/28/21 06:15	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			08/28/21 06:15	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			08/28/21 06:15	200
Trichloroethene	1800		200	92	ug/L			08/28/21 06:15	200
Trichlorofluoromethane	ND		200	180	ug/L			08/28/21 06:15	200
Vinyl chloride	ND		200	180	ug/L			08/28/21 06:15	200
Xylenes, Total	ND		400	130	ug/L			08/28/21 06:15	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		08/28/21 06:15	200
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		08/28/21 06:15	200
4-Bromofluorobenzene (Surr)	97		73 - 120		08/28/21 06:15	200
Dibromofluoromethane (Surr)	99		75 - 123		08/28/21 06:15	200

Client Sample ID: MW-2BR-082421

Lab Sample ID: 480-188804-5

Date Collected: 08/24/21 12:45

Matrix: Water

Date Received: 08/25/21 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			08/28/21 06:39	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			08/28/21 06:39	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			08/28/21 06:39	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			08/28/21 06:39	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			08/28/21 06:39	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			08/28/21 06:39	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

Client Sample ID: MW-2BR-082421

Lab Sample ID: 480-188804-5

Date Collected: 08/24/21 12:45

Matrix: Water

Date Received: 08/25/21 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			08/28/21 06:39	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			08/28/21 06:39	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			08/28/21 06:39	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			08/28/21 06:39	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			08/28/21 06:39	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			08/28/21 06:39	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			08/28/21 06:39	5
2-Butanone (MEK)	ND		50	6.6	ug/L			08/28/21 06:39	5
2-Hexanone	ND		25	6.2	ug/L			08/28/21 06:39	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			08/28/21 06:39	5
Acetone	ND		50	15	ug/L			08/28/21 06:39	5
Benzene	ND		5.0	2.1	ug/L			08/28/21 06:39	5
Bromodichloromethane	ND		5.0	2.0	ug/L			08/28/21 06:39	5
Bromoform	ND		5.0	1.3	ug/L			08/28/21 06:39	5
Bromomethane	ND		5.0	3.5	ug/L			08/28/21 06:39	5
Carbon disulfide	ND		5.0	0.95	ug/L			08/28/21 06:39	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			08/28/21 06:39	5
Chlorobenzene	ND		5.0	3.8	ug/L			08/28/21 06:39	5
Dibromochloromethane	ND		5.0	1.6	ug/L			08/28/21 06:39	5
Chloroethane	ND		5.0	1.6	ug/L			08/28/21 06:39	5
Chloroform	ND		5.0	1.7	ug/L			08/28/21 06:39	5
Chloromethane	ND		5.0	1.8	ug/L			08/28/21 06:39	5
cis-1,2-Dichloroethene	190		5.0	4.1	ug/L			08/28/21 06:39	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			08/28/21 06:39	5
Cyclohexane	ND		5.0	0.90	ug/L			08/28/21 06:39	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			08/28/21 06:39	5
Ethylbenzene	ND		5.0	3.7	ug/L			08/28/21 06:39	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			08/28/21 06:39	5
Isopropylbenzene	ND		5.0	4.0	ug/L			08/28/21 06:39	5
Methyl acetate	ND		13	6.5	ug/L			08/28/21 06:39	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			08/28/21 06:39	5
Methylcyclohexane	ND		5.0	0.80	ug/L			08/28/21 06:39	5
Methylene Chloride	ND		5.0	2.2	ug/L			08/28/21 06:39	5
Styrene	ND		5.0	3.7	ug/L			08/28/21 06:39	5
Tetrachloroethene	44		5.0	1.8	ug/L			08/28/21 06:39	5
Toluene	ND		5.0	2.6	ug/L			08/28/21 06:39	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			08/28/21 06:39	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			08/28/21 06:39	5
Trichloroethene	16		5.0	2.3	ug/L			08/28/21 06:39	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			08/28/21 06:39	5
Vinyl chloride	15		5.0	4.5	ug/L			08/28/21 06:39	5
Xylenes, Total	ND		10	3.3	ug/L			08/28/21 06:39	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		08/28/21 06:39	5
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		08/28/21 06:39	5
4-Bromofluorobenzene (Surr)	100		73 - 120		08/28/21 06:39	5
Dibromofluoromethane (Surr)	113		75 - 123		08/28/21 06:39	5

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

Client Sample ID: MW-5BR-082421

Lab Sample ID: 480-188804-6

Date Collected: 08/24/21 13:10

Matrix: Water

Date Received: 08/25/21 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		130	100	ug/L			08/28/21 07:02	125
1,1,2,2-Tetrachloroethane	ND		130	26	ug/L			08/28/21 07:02	125
1,1,2-Trichloroethane	ND		130	29	ug/L			08/28/21 07:02	125
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		130	39	ug/L			08/28/21 07:02	125
1,1-Dichloroethane	ND		130	48	ug/L			08/28/21 07:02	125
1,1-Dichloroethene	ND		130	36	ug/L			08/28/21 07:02	125
1,2,4-Trichlorobenzene	ND		130	51	ug/L			08/28/21 07:02	125
1,2-Dibromo-3-Chloropropane	ND		130	49	ug/L			08/28/21 07:02	125
1,2-Dichlorobenzene	ND		130	99	ug/L			08/28/21 07:02	125
1,2-Dichloroethane	ND		130	26	ug/L			08/28/21 07:02	125
1,2-Dichloropropane	ND		130	90	ug/L			08/28/21 07:02	125
1,3-Dichlorobenzene	ND		130	98	ug/L			08/28/21 07:02	125
1,4-Dichlorobenzene	ND		130	110	ug/L			08/28/21 07:02	125
2-Butanone (MEK)	ND		1300	170	ug/L			08/28/21 07:02	125
2-Hexanone	ND		630	160	ug/L			08/28/21 07:02	125
4-Methyl-2-pentanone (MIBK)	ND		630	260	ug/L			08/28/21 07:02	125
Acetone	ND		1300	380	ug/L			08/28/21 07:02	125
Benzene	ND		130	51	ug/L			08/28/21 07:02	125
Bromodichloromethane	ND		130	49	ug/L			08/28/21 07:02	125
Bromoform	ND		130	33	ug/L			08/28/21 07:02	125
Bromomethane	ND		130	86	ug/L			08/28/21 07:02	125
Carbon disulfide	ND		130	24	ug/L			08/28/21 07:02	125
Carbon tetrachloride	ND		130	34	ug/L			08/28/21 07:02	125
Chlorobenzene	ND		130	94	ug/L			08/28/21 07:02	125
Dibromochloromethane	ND		130	40	ug/L			08/28/21 07:02	125
Chloroethane	ND		130	40	ug/L			08/28/21 07:02	125
Chloroform	ND		130	43	ug/L			08/28/21 07:02	125
Chloromethane	ND		130	44	ug/L			08/28/21 07:02	125
cis-1,2-Dichloroethene	4700		130	100	ug/L			08/28/21 07:02	125
cis-1,3-Dichloropropene	ND		130	45	ug/L			08/28/21 07:02	125
Cyclohexane	ND		130	23	ug/L			08/28/21 07:02	125
Dichlorodifluoromethane	ND		130	85	ug/L			08/28/21 07:02	125
Ethylbenzene	ND		130	93	ug/L			08/28/21 07:02	125
1,2-Dibromoethane	ND		130	91	ug/L			08/28/21 07:02	125
Isopropylbenzene	ND		130	99	ug/L			08/28/21 07:02	125
Methyl acetate	ND		310	160	ug/L			08/28/21 07:02	125
Methyl tert-butyl ether	ND		130	20	ug/L			08/28/21 07:02	125
Methylcyclohexane	ND		130	20	ug/L			08/28/21 07:02	125
Methylene Chloride	ND		130	55	ug/L			08/28/21 07:02	125
Styrene	ND		130	91	ug/L			08/28/21 07:02	125
Tetrachloroethene	ND		130	45	ug/L			08/28/21 07:02	125
Toluene	ND		130	64	ug/L			08/28/21 07:02	125
trans-1,2-Dichloroethene	ND		130	110	ug/L			08/28/21 07:02	125
trans-1,3-Dichloropropene	ND		130	46	ug/L			08/28/21 07:02	125
Trichloroethene	ND		130	58	ug/L			08/28/21 07:02	125
Trichlorofluoromethane	ND		130	110	ug/L			08/28/21 07:02	125
Vinyl chloride	ND		130	110	ug/L			08/28/21 07:02	125
Xylenes, Total	ND		250	83	ug/L			08/28/21 07:02	125

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

Client Sample ID: MW-5BR-082421

Lab Sample ID: 480-188804-6

Date Collected: 08/24/21 13:10

Matrix: Water

Date Received: 08/25/21 13:30

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	98		80 - 120		08/28/21 07:02	125
<i>1,2-Dichloroethane-d4 (Surr)</i>	101		77 - 120		08/28/21 07:02	125
<i>4-Bromofluorobenzene (Surr)</i>	96		73 - 120		08/28/21 07:02	125
<i>Dibromofluoromethane (Surr)</i>	100		75 - 123		08/28/21 07:02	125

Surrogate Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	TOL (80-120)	DCA (77-120)	BFB (73-120)	DBFM (75-123)
480-188804-1	MW-5-ABR-082421	98	106	98	109
480-188804-1 MS	MW-5-ABR-082421	99	98	99	95
480-188804-1 MSD	MW-5-ABR-082421	101	106	105	109
480-188804-2	MW-4BR-082421	99	98	98	94
480-188804-3	DUP-082421	100	97	96	104
480-188804-4	MW-3BR-082421	99	101	97	99
480-188804-5	MW-2BR-082421	98	104	100	113
480-188804-6	MW-5BR-082421	98	101	96	100
LCS 480-594406/6	Lab Control Sample	101	101	103	98
MB 480-594406/8	Method Blank	101	99	96	99

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

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

Lab Sample ID: MB 480-594406/8

Matrix: Water

Analysis Batch: 594406

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			08/27/21 23:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/27/21 23:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/27/21 23:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/27/21 23:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/27/21 23:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/27/21 23:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/27/21 23:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/27/21 23:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/27/21 23:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/27/21 23:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/27/21 23:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/27/21 23:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/27/21 23:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/27/21 23:18	1
2-Hexanone	ND		5.0	1.2	ug/L			08/27/21 23:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/27/21 23:18	1
Acetone	ND		10	3.0	ug/L			08/27/21 23:18	1
Benzene	ND		1.0	0.41	ug/L			08/27/21 23:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/27/21 23:18	1
Bromoform	ND		1.0	0.26	ug/L			08/27/21 23:18	1
Bromomethane	ND		1.0	0.69	ug/L			08/27/21 23:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/27/21 23:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/27/21 23:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/27/21 23:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/27/21 23:18	1
Chloroethane	ND		1.0	0.32	ug/L			08/27/21 23:18	1
Chloroform	ND		1.0	0.34	ug/L			08/27/21 23:18	1
Chloromethane	ND		1.0	0.35	ug/L			08/27/21 23:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/27/21 23:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/27/21 23:18	1
Cyclohexane	ND		1.0	0.18	ug/L			08/27/21 23:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/27/21 23:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/27/21 23:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/27/21 23:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/27/21 23:18	1
Methyl acetate	ND		2.5	1.3	ug/L			08/27/21 23:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/27/21 23:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/27/21 23:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/27/21 23:18	1
Styrene	ND		1.0	0.73	ug/L			08/27/21 23:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/27/21 23:18	1
Toluene	ND		1.0	0.51	ug/L			08/27/21 23:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/27/21 23:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/27/21 23:18	1
Trichloroethene	ND		1.0	0.46	ug/L			08/27/21 23:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/27/21 23:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/27/21 23:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/27/21 23:18	1

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

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

Lab Sample ID: MB 480-594406/8

Matrix: Water

Analysis Batch: 594406

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		08/27/21 23:18	1
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		08/27/21 23:18	1
4-Bromofluorobenzene (Surr)	96		73 - 120		08/27/21 23:18	1
Dibromofluoromethane (Surr)	99		75 - 123		08/27/21 23:18	1

Lab Sample ID: LCS 480-594406/6

Matrix: Water

Analysis Batch: 594406

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	25.1		ug/L		101	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.2		ug/L		101	76 - 120
1,1,2-Trichloroethane	25.0	25.6		ug/L		102	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.6		ug/L		103	61 - 148
1,1-Dichloroethane	25.0	24.2		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	23.4		ug/L		93	66 - 127
1,2,4-Trichlorobenzene	25.0	24.1		ug/L		96	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.4		ug/L		93	56 - 134
1,2-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	24.0		ug/L		96	75 - 120
1,2-Dichloropropane	25.0	25.3		ug/L		101	76 - 120
1,3-Dichlorobenzene	25.0	25.2		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 120
2-Butanone (MEK)	125	132		ug/L		105	57 - 140
2-Hexanone	125	130		ug/L		104	65 - 127
4-Methyl-2-pentanone (MIBK)	125	125		ug/L		100	71 - 125
Acetone	125	138		ug/L		111	56 - 142
Benzene	25.0	25.1		ug/L		101	71 - 124
Bromodichloromethane	25.0	24.7		ug/L		99	80 - 122
Bromoform	25.0	26.1		ug/L		104	61 - 132
Bromomethane	25.0	20.9		ug/L		83	55 - 144
Carbon disulfide	25.0	23.8		ug/L		95	59 - 134
Carbon tetrachloride	25.0	25.8		ug/L		103	72 - 134
Chlorobenzene	25.0	25.4		ug/L		101	80 - 120
Dibromochloromethane	25.0	26.7		ug/L		107	75 - 125
Chloroethane	25.0	20.7		ug/L		83	69 - 136
Chloroform	25.0	24.0		ug/L		96	73 - 127
Chloromethane	25.0	22.4		ug/L		90	68 - 124
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	25.7		ug/L		103	74 - 124
Cyclohexane	25.0	25.6		ug/L		102	59 - 135
Dichlorodifluoromethane	25.0	22.0		ug/L		88	59 - 135
Ethylbenzene	25.0	24.6		ug/L		98	77 - 123
1,2-Dibromoethane	25.0	26.9		ug/L		108	77 - 120
Isopropylbenzene	25.0	24.4		ug/L		98	77 - 122
Methyl acetate	50.0	49.6		ug/L		99	74 - 133
Methyl tert-butyl ether	25.0	24.2		ug/L		97	77 - 120
Methylcyclohexane	25.0	26.0		ug/L		104	68 - 134

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

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

Lab Sample ID: LCS 480-594406/6

Matrix: Water

Analysis Batch: 594406

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	23.7		ug/L		95	75 - 124
Styrene	25.0	25.4		ug/L		102	80 - 120
Tetrachloroethene	25.0	26.1		ug/L		104	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	24.5		ug/L		98	73 - 127
trans-1,3-Dichloropropene	25.0	25.3		ug/L		101	80 - 120
Trichloroethene	25.0	26.2		ug/L		105	74 - 123
Trichlorofluoromethane	25.0	23.8		ug/L		95	62 - 150
Vinyl chloride	25.0	23.7		ug/L		95	65 - 133

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

Lab Sample ID: 480-188804-1 MS

Matrix: Water

Analysis Batch: 594406

Client Sample ID: MW-5-ABR-082421

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		10000	9110		ug/L		91	73 - 126
1,1,2,2-Tetrachloroethane	ND		10000	9840		ug/L		98	76 - 120
1,1,2-Trichloroethane	ND		10000	9470		ug/L		95	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10000	8820		ug/L		88	61 - 148
1,1-Dichloroethane	ND		10000	9280		ug/L		93	77 - 120
1,1-Dichloroethene	ND		10000	8240		ug/L		82	66 - 127
1,2,4-Trichlorobenzene	ND		10000	9660		ug/L		97	79 - 122
1,2-Dibromo-3-Chloropropane	ND		10000	8670		ug/L		87	56 - 134
1,2-Dichlorobenzene	ND		10000	9760		ug/L		98	80 - 124
1,2-Dichloroethane	ND		10000	9140		ug/L		91	75 - 120
1,2-Dichloropropane	ND		10000	9300		ug/L		93	76 - 120
1,3-Dichlorobenzene	ND		10000	9830		ug/L		98	77 - 120
1,4-Dichlorobenzene	ND		10000	9610		ug/L		96	78 - 124
2-Butanone (MEK)	ND	F2	50000	51900		ug/L		104	57 - 140
2-Hexanone	ND		50000	50300		ug/L		101	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		50000	48800		ug/L		98	71 - 125
Acetone	ND	F2	50000	55000		ug/L		110	56 - 142
Benzene	ND		10000	9190		ug/L		92	71 - 124
Bromodichloromethane	ND		10000	9320		ug/L		93	80 - 122
Bromoform	ND		10000	9700		ug/L		97	61 - 132
Bromomethane	ND	F2	10000	6870		ug/L		69	55 - 144
Carbon disulfide	ND		10000	8500		ug/L		85	59 - 134
Carbon tetrachloride	ND		10000	8820		ug/L		88	72 - 134
Chlorobenzene	ND		10000	9830		ug/L		98	80 - 120
Dibromochloromethane	ND		10000	10100		ug/L		101	75 - 125
Chloroethane	ND		10000	6980		ug/L		70	69 - 136
Chloroform	ND		10000	8610		ug/L		86	73 - 127

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

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

Lab Sample ID: 480-188804-1 MS

Matrix: Water

Analysis Batch: 594406

Client Sample ID: MW-5-ABR-082421

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		10000	7880		ug/L		79	68 - 124
cis-1,2-Dichloroethene	12000	F1	10000	18100	F1	ug/L		64	74 - 124
cis-1,3-Dichloropropene	ND		10000	9530		ug/L		95	74 - 124
Cyclohexane	ND		10000	8930		ug/L		89	59 - 135
Dichlorodifluoromethane	ND		10000	7720		ug/L		77	59 - 135
Ethylbenzene	ND		10000	9190		ug/L		92	77 - 123
1,2-Dibromoethane	ND		10000	10000		ug/L		100	77 - 120
Isopropylbenzene	ND		10000	9480		ug/L		95	77 - 122
Methyl acetate	ND		20000	19500		ug/L		97	74 - 133
Methyl tert-butyl ether	ND		10000	8950		ug/L		90	77 - 120
Methylcyclohexane	ND		10000	8530		ug/L		85	68 - 134
Methylene Chloride	ND		10000	8630		ug/L		86	75 - 124
Styrene	ND		10000	9440		ug/L		94	80 - 120
Tetrachloroethene	ND		10000	9480		ug/L		95	74 - 122
Toluene	ND		10000	9390		ug/L		94	80 - 122
trans-1,2-Dichloroethene	ND		10000	9200		ug/L		92	73 - 127
trans-1,3-Dichloropropene	ND		10000	9140		ug/L		91	80 - 120
Trichloroethene	320	J	10000	9860		ug/L		95	74 - 123
Trichlorofluoromethane	ND		10000	7610		ug/L		76	62 - 150
Vinyl chloride	ND		10000	7980		ug/L		80	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	99		80 - 120
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Dibromofluoromethane (Surr)	95		75 - 123

Lab Sample ID: 480-188804-1 MSD

Matrix: Water

Analysis Batch: 594406

Client Sample ID: MW-5-ABR-082421

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		10000	9230		ug/L		92	73 - 126	1	15
1,1,2,2-Tetrachloroethane	ND		10000	8880		ug/L		89	76 - 120	10	15
1,1,2-Trichloroethane	ND		10000	8140		ug/L		81	76 - 122	15	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10000	9110		ug/L		91	61 - 148	3	20
1,1-Dichloroethane	ND		10000	9620		ug/L		96	77 - 120	4	20
1,1-Dichloroethene	ND		10000	8860		ug/L		89	66 - 127	7	16
1,2,4-Trichlorobenzene	ND		10000	9070		ug/L		91	79 - 122	6	20
1,2-Dibromo-3-Chloropropane	ND		10000	7840		ug/L		78	56 - 134	10	15
1,2-Dichlorobenzene	ND		10000	8910		ug/L		89	80 - 124	9	20
1,2-Dichloroethane	ND		10000	9100		ug/L		91	75 - 120	0	20
1,2-Dichloropropane	ND		10000	8830		ug/L		88	76 - 120	5	20
1,3-Dichlorobenzene	ND		10000	8570		ug/L		86	77 - 120	14	20
1,4-Dichlorobenzene	ND		10000	8720		ug/L		87	78 - 124	10	20
2-Butanone (MEK)	ND	F2	50000	40300	F2	ug/L		81	57 - 140	25	20
2-Hexanone	ND		50000	43200		ug/L		86	65 - 127	15	15
4-Methyl-2-pentanone (MIBK)	ND		50000	44000		ug/L		88	71 - 125	11	35

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

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

Lab Sample ID: 480-188804-1 MSD

Matrix: Water

Analysis Batch: 594406

Client Sample ID: MW-5-ABR-082421

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND	F2	50000	39400	F2	ug/L		79	56 - 142	33	15
Benzene	ND		10000	8970		ug/L		90	71 - 124	2	13
Bromodichloromethane	ND		10000	9260		ug/L		93	80 - 122	1	15
Bromoform	ND		10000	8640		ug/L		86	61 - 132	11	15
Bromomethane	ND	F2	10000	8400	F2	ug/L		84	55 - 144	20	15
Carbon disulfide	ND		10000	9090		ug/L		91	59 - 134	7	15
Carbon tetrachloride	ND		10000	9070		ug/L		91	72 - 134	3	15
Chlorobenzene	ND		10000	8840		ug/L		88	80 - 120	11	25
Dibromochloromethane	ND		10000	9050		ug/L		91	75 - 125	11	15
Chloroethane	ND		10000	7720		ug/L		77	69 - 136	10	15
Chloroform	ND		10000	9040		ug/L		90	73 - 127	5	20
Chloromethane	ND		10000	8220		ug/L		82	68 - 124	4	15
cis-1,2-Dichloroethene	12000	F1	10000	19400		ug/L		77	74 - 124	7	15
cis-1,3-Dichloropropene	ND		10000	8770		ug/L		88	74 - 124	8	15
Cyclohexane	ND		10000	9130		ug/L		91	59 - 135	2	20
Dichlorodifluoromethane	ND		10000	7790		ug/L		78	59 - 135	1	20
Ethylbenzene	ND		10000	8470		ug/L		85	77 - 123	8	15
1,2-Dibromoethane	ND		10000	9070		ug/L		91	77 - 120	10	15
Isopropylbenzene	ND		10000	8420		ug/L		84	77 - 122	12	20
Methyl acetate	ND		20000	17100		ug/L		86	74 - 133	13	20
Methyl tert-butyl ether	ND		10000	9650		ug/L		96	77 - 120	7	37
Methylcyclohexane	ND		10000	8270		ug/L		83	68 - 134	3	20
Methylene Chloride	ND		10000	9630		ug/L		96	75 - 124	11	15
Styrene	ND		10000	8690		ug/L		87	80 - 120	8	20
Tetrachloroethene	ND		10000	8290		ug/L		83	74 - 122	13	20
Toluene	ND		10000	8320		ug/L		83	80 - 122	12	15
trans-1,2-Dichloroethene	ND		10000	9560		ug/L		96	73 - 127	4	20
trans-1,3-Dichloropropene	ND		10000	7970		ug/L		80	80 - 120	14	15
Trichloroethene	320	J	10000	9650		ug/L		93	74 - 123	2	16
Trichlorofluoromethane	ND		10000	8510		ug/L		85	62 - 150	11	20
Vinyl chloride	ND		10000	8330		ug/L		83	65 - 133	4	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	101		80 - 120
1,2-Dichloroethane-d4 (Surr)	106		77 - 120
4-Bromofluorobenzene (Surr)	105		73 - 120
Dibromofluoromethane (Surr)	109		75 - 123

Definitions/Glossary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

GC/MS VOA

Analysis Batch: 594406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188804-1	MW-5-ABR-082421	Total/NA	Water	8260C	
480-188804-2	MW-4BR-082421	Total/NA	Water	8260C	
480-188804-3	DUP-082421	Total/NA	Water	8260C	
480-188804-4	MW-3BR-082421	Total/NA	Water	8260C	
480-188804-5	MW-2BR-082421	Total/NA	Water	8260C	
480-188804-6	MW-5BR-082421	Total/NA	Water	8260C	
MB 480-594406/8	Method Blank	Total/NA	Water	8260C	
LCS 480-594406/6	Lab Control Sample	Total/NA	Water	8260C	
480-188804-1 MS	MW-5-ABR-082421	Total/NA	Water	8260C	
480-188804-1 MSD	MW-5-ABR-082421	Total/NA	Water	8260C	

Lab Chronicle

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

Client Sample ID: MW-5-ABR-082421

Lab Sample ID: 480-188804-1

Date Collected: 08/24/21 10:41

Matrix: Water

Date Received: 08/25/21 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		400	594406	08/28/21 05:05	WJD	TAL BUF

Client Sample ID: MW-4BR-082421

Lab Sample ID: 480-188804-2

Date Collected: 08/24/21 11:25

Matrix: Water

Date Received: 08/25/21 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	594406	08/28/21 05:29	WJD	TAL BUF

Client Sample ID: DUP-082421

Lab Sample ID: 480-188804-3

Date Collected: 08/24/21 11:30

Matrix: Water

Date Received: 08/25/21 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	594406	08/28/21 05:52	WJD	TAL BUF

Client Sample ID: MW-3BR-082421

Lab Sample ID: 480-188804-4

Date Collected: 08/24/21 12:00

Matrix: Water

Date Received: 08/25/21 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	594406	08/28/21 06:15	WJD	TAL BUF

Client Sample ID: MW-2BR-082421

Lab Sample ID: 480-188804-5

Date Collected: 08/24/21 12:45

Matrix: Water

Date Received: 08/25/21 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	594406	08/28/21 06:39	WJD	TAL BUF

Client Sample ID: MW-5BR-082421

Lab Sample ID: 480-188804-6

Date Collected: 08/24/21 13:10

Matrix: Water

Date Received: 08/25/21 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		125	594406	08/28/21 07:02	WJD	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: C&S Engineers, Inc.
Project/Site: Buffalo Business Park

Job ID: 480-188804-1

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.: 480-188804-1

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 #
MW-5-ABR-082421	480-188804-1	109	106	98	98
MW-4BR-082421	480-188804-2	94	98	99	98
DUP-082421	480-188804-3	104	97	100	96
MW-3BR-082421	480-188804-4	99	101	99	97
MW-2BR-082421	480-188804-5	113	104	98	100
MW-5BR-082421	480-188804-6	100	101	98	96
	MB 480-594406/8	99	99	101	96
	LCS 480-594406/6	98	101	101	103
MW-5-ABR-082421 MS	480-188804-1 MS	95	98	99	99
MW-5-ABR-082421 MSD	480-188804-1 MSD	109	106	101	105

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

QC LIMITS
75-123
77-120
80-120
73-120

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N5407.D
 Lab ID: LCS 480-594406/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.1	101	73-126	
1,1,2,2-Tetrachloroethane	25.0	25.2	101	76-120	
1,1,2-Trichloroethane	25.0	25.6	102	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.6	103	61-148	
1,1-Dichloroethane	25.0	24.2	97	77-120	
1,1-Dichloroethene	25.0	23.4	93	66-127	
1,2,4-Trichlorobenzene	25.0	24.1	96	79-122	
1,2-Dibromo-3-Chloropropane	25.0	23.4	93	56-134	
1,2-Dichlorobenzene	25.0	24.2	97	80-124	
1,2-Dichloroethane	25.0	24.0	96	75-120	
1,2-Dichloropropane	25.0	25.3	101	76-120	
1,3-Dichlorobenzene	25.0	25.2	101	77-120	
1,4-Dichlorobenzene	25.0	24.7	99	80-120	
2-Butanone (MEK)	125	132	105	57-140	
2-Hexanone	125	130	104	65-127	
4-Methyl-2-pentanone (MIBK)	125	125	100	71-125	
Acetone	125	138	111	56-142	
Benzene	25.0	25.1	101	71-124	
Bromodichloromethane	25.0	24.7	99	80-122	
Bromoform	25.0	26.1	104	61-132	
Bromomethane	25.0	20.9	83	55-144	
Carbon disulfide	25.0	23.8	95	59-134	
Carbon tetrachloride	25.0	25.8	103	72-134	
Chlorobenzene	25.0	25.4	101	80-120	
Dibromochloromethane	25.0	26.7	107	75-125	
Chloroethane	25.0	20.7	83	69-136	
Chloroform	25.0	24.0	96	73-127	
Chloromethane	25.0	22.4	90	68-124	
cis-1,2-Dichloroethene	25.0	24.2	97	74-124	
cis-1,3-Dichloropropene	25.0	25.7	103	74-124	
Cyclohexane	25.0	25.6	102	59-135	
Dichlorodifluoromethane	25.0	22.0	88	59-135	
Ethylbenzene	25.0	24.6	98	77-123	
1,2-Dibromoethane	25.0	26.9	108	77-120	
Isopropylbenzene	25.0	24.4	98	77-122	
Methyl acetate	50.0	49.6	99	74-133	
Methyl tert-butyl ether	25.0	24.2	97	77-120	
Methylcyclohexane	25.0	26.0	104	68-134	
Methylene Chloride	25.0	23.7	95	75-124	
Styrene	25.0	25.4	102	80-120	
Tetrachloroethene	25.0	26.1	104	74-122	

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.: 480-188804-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: N5407.D
Lab ID: LCS 480-594406/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	24.8	99	80-122	
trans-1,2-Dichloroethene	25.0	24.5	98	73-127	
trans-1,3-Dichloropropene	25.0	25.3	101	80-120	
Trichloroethene	25.0	26.2	105	74-123	
Trichlorofluoromethane	25.0	23.8	95	62-150	
Vinyl chloride	25.0	23.7	95	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.: 480-188804-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: N5432.D

Lab ID: 480-188804-1 MS

Client ID: MW-5-ABR-082421 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	10000	ND	9110	91	73-126	
1,1,2,2-Tetrachloroethane	10000	ND	9840	98	76-120	
1,1,2-Trichloroethane	10000	ND	9470	95	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	10000	ND	8820	88	61-148	
1,1-Dichloroethane	10000	ND	9280	93	77-120	
1,1-Dichloroethene	10000	ND	8240	82	66-127	
1,2,4-Trichlorobenzene	10000	ND	9660	97	79-122	
1,2-Dibromo-3-Chloropropane	10000	ND	8670	87	56-134	
1,2-Dichlorobenzene	10000	ND	9760	98	80-124	
1,2-Dichloroethane	10000	ND	9140	91	75-120	
1,2-Dichloropropane	10000	ND	9300	93	76-120	
1,3-Dichlorobenzene	10000	ND	9830	98	77-120	
1,4-Dichlorobenzene	10000	ND	9610	96	78-124	
2-Butanone (MEK)	50000	ND	51900	104	57-140	
2-Hexanone	50000	ND	50300	101	65-127	
4-Methyl-2-pentanone (MIBK)	50000	ND	48800	98	71-125	
Acetone	50000	ND	55000	110	56-142	
Benzene	10000	ND	9190	92	71-124	
Bromodichloromethane	10000	ND	9320	93	80-122	
Bromoform	10000	ND	9700	97	61-132	
Bromomethane	10000	ND	6870	69	55-144	
Carbon disulfide	10000	ND	8500	85	59-134	
Carbon tetrachloride	10000	ND	8820	88	72-134	
Chlorobenzene	10000	ND	9830	98	80-120	
Dibromochloromethane	10000	ND	10100	101	75-125	
Chloroethane	10000	ND	6980	70	69-136	
Chloroform	10000	ND	8610	86	73-127	
Chloromethane	10000	ND	7880	79	68-124	
cis-1,2-Dichloroethene	10000	12000	18100	64	74-124	F1
cis-1,3-Dichloropropene	10000	ND	9530	95	74-124	
Cyclohexane	10000	ND	8930	89	59-135	
Dichlorodifluoromethane	10000	ND	7720	77	59-135	
Ethylbenzene	10000	ND	9190	92	77-123	
1,2-Dibromoethane	10000	ND	10000	100	77-120	
Isopropylbenzene	10000	ND	9480	95	77-122	
Methyl acetate	20000	ND	19500	97	74-133	
Methyl tert-butyl ether	10000	ND	8950	90	77-120	
Methylcyclohexane	10000	ND	8530	85	68-134	
Methylene Chloride	10000	ND	8630	86	75-124	
Styrene	10000	ND	9440	94	80-120	
Tetrachloroethene	10000	ND	9480	95	74-122	

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.: 480-188804-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N5432.D
 Lab ID: 480-188804-1 MS Client ID: MW-5-ABR-082421 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	10000	ND	9390	94	80-122	
trans-1,2-Dichloroethene	10000	ND	9200	92	73-127	
trans-1,3-Dichloropropene	10000	ND	9140	91	80-120	
Trichloroethene	10000	320 J	9860	95	74-123	
Trichlorofluoromethane	10000	ND	7610	76	62-150	
Vinyl chloride	10000	ND	7980	80	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.: 480-188804-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: N5433.D

Lab ID: 480-188804-1 MSD

Client ID: MW-5-ABR-082421 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	10000	9230	92	1	15	73-126	
1,1,2,2-Tetrachloroethane	10000	8880	89	10	15	76-120	
1,1,2-Trichloroethane	10000	8140	81	15	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	10000	9110	91	3	20	61-148	
1,1-Dichloroethane	10000	9620	96	4	20	77-120	
1,1-Dichloroethene	10000	8860	89	7	16	66-127	
1,2,4-Trichlorobenzene	10000	9070	91	6	20	79-122	
1,2-Dibromo-3-Chloropropane	10000	7840	78	10	15	56-134	
1,2-Dichlorobenzene	10000	8910	89	9	20	80-124	
1,2-Dichloroethane	10000	9100	91	0	20	75-120	
1,2-Dichloropropane	10000	8830	88	5	20	76-120	
1,3-Dichlorobenzene	10000	8570	86	14	20	77-120	
1,4-Dichlorobenzene	10000	8720	87	10	20	78-124	
2-Butanone (MEK)	50000	40300	81	25	20	57-140	F2
2-Hexanone	50000	43200	86	15	15	65-127	
4-Methyl-2-pentanone (MIBK)	50000	44000	88	11	35	71-125	
Acetone	50000	39400	79	33	15	56-142	F2
Benzene	10000	8970	90	2	13	71-124	
Bromodichloromethane	10000	9260	93	1	15	80-122	
Bromoform	10000	8640	86	11	15	61-132	
Bromomethane	10000	8400	84	20	15	55-144	F2
Carbon disulfide	10000	9090	91	7	15	59-134	
Carbon tetrachloride	10000	9070	91	3	15	72-134	
Chlorobenzene	10000	8840	88	11	25	80-120	
Dibromochloromethane	10000	9050	91	11	15	75-125	
Chloroethane	10000	7720	77	10	15	69-136	
Chloroform	10000	9040	90	5	20	73-127	
Chloromethane	10000	8220	82	4	15	68-124	
cis-1,2-Dichloroethene	10000	19400	77	7	15	74-124	
cis-1,3-Dichloropropene	10000	8770	88	8	15	74-124	
Cyclohexane	10000	9130	91	2	20	59-135	
Dichlorodifluoromethane	10000	7790	78	1	20	59-135	
Ethylbenzene	10000	8470	85	8	15	77-123	
1,2-Dibromoethane	10000	9070	91	10	15	77-120	
Isopropylbenzene	10000	8420	84	12	20	77-122	
Methyl acetate	20000	17100	86	13	20	74-133	
Methyl tert-butyl ether	10000	9650	96	7	37	77-120	
Methylcyclohexane	10000	8270	83	3	20	68-134	
Methylene Chloride	10000	9630	96	11	15	75-124	
Styrene	10000	8690	87	8	20	80-120	
Tetrachloroethene	10000	8290	83	13	20	74-122	

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.: 480-188804-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N5433.D
 Lab ID: 480-188804-1 MSD Client ID: MW-5-ABR-082421 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Toluene	10000	8320	83	12	15	80-122	
trans-1,2-Dichloroethene	10000	9560	96	4	20	73-127	
trans-1,3-Dichloropropene	10000	7970	80	14	15	80-120	
Trichloroethene	10000	9650	93	2	16	74-123	
Trichlorofluoromethane	10000	8510	85	11	20	62-150	
Vinyl chloride	10000	8330	83	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.: 480-188804-1
 SDG No.: _____
 Lab File ID: N5409.D Lab Sample ID: MB 480-594406/8
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: HP5973N Date Analyzed: 08/27/2021 23:18
 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 480-594406/6	N5407.D	08/27/2021 22:31
MW-5-ABR-082421	480-188804-1	N5424.D	08/28/2021 05:05
MW-4BR-082421	480-188804-2	N5425.D	08/28/2021 05:29
DUP-082421	480-188804-3	N5426.D	08/28/2021 05:52
MW-3BR-082421	480-188804-4	N5427.D	08/28/2021 06:15
MW-2BR-082421	480-188804-5	N5428.D	08/28/2021 06:39
MW-5BR-082421	480-188804-6	N5429.D	08/28/2021 07:02
MW-5-ABR-082421 MS	480-188804-1 MS	N5432.D	08/28/2021 08:11
MW-5-ABR-082421 MSD	480-188804-1 MSD	N5433.D	08/28/2021 08:34

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1
 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.: 480-188804-1
SDG No.: _____
Lab File ID: N5404.D BFB Injection Date: 08/27/2021
Instrument ID: HP5973N BFB Injection Time: 21:22
Analysis Batch No.: 594406

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	29.6
75	30.0 - 60.0 % of mass 95	47.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.4
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	82.2
175	5.0 - 9.0 % of mass 174	6.4 (7.8) 1
176	95.0 - 101.0 % of mass 174	80.0 (97.4) 1
177	5.0 - 9.0 % of mass 176	4.7 (5.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-594406/4	N5405.D	08/27/2021	21:45
	LCS 480-594406/6	N5407.D	08/27/2021	22:31
	MB 480-594406/8	N5409.D	08/27/2021	23:18
MW-5-ABR-082421	480-188804-1	N5424.D	08/28/2021	5:05
MW-4BR-082421	480-188804-2	N5425.D	08/28/2021	5:29
DUP-082421	480-188804-3	N5426.D	08/28/2021	5:52
MW-3BR-082421	480-188804-4	N5427.D	08/28/2021	6:15
MW-2BR-082421	480-188804-5	N5428.D	08/28/2021	6:39
MW-5BR-082421	480-188804-6	N5429.D	08/28/2021	7:02
MW-5-ABR-082421 MS	480-188804-1 MS	N5432.D	08/28/2021	8:11
MW-5-ABR-082421 MSD	480-188804-1 MSD	N5433.D	08/28/2021	8:34

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1
 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 480-594406/4		156791	5.41	575704	8.41	308172	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.: 480-188804-1
 SDG No.: _____
 Sample No.: CCVIS 480-594406/4 Date Analyzed: 08/27/2021 21:45
 Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): N5405.D Heated Purge: (Y/N) N
 Calibration ID: 42329

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		156791	5.41	575704	8.41	308172	10.80
UPPER LIMIT		313582	5.91	1151408	8.91	616344	11.30
LOWER LIMIT		78396	4.91	287852	7.91	154086	10.30
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-594406/6		157974	5.41	594040	8.41	321413	10.80
MB 480-594406/8		156716	5.41	580757	8.41	306365	10.80
480-188804-1	MW-5-ABR-082421	138643	5.41	514227	8.40	278750	10.80
480-188804-2	MW-4BR-082421	155533	5.41	574280	8.40	306608	10.80
480-188804-3	DUP-082421	141762	5.41	504521	8.41	280263	10.80
480-188804-4	MW-3BR-082421	154235	5.41	594816	8.41	302920	10.80
480-188804-5	MW-2BR-082421	128794	5.41	464095	8.41	265984	10.80
480-188804-6	MW-5BR-082421	150290	5.41	559645	8.41	300784	10.80
480-188804-1 MS	MW-5-ABR-082421 MS	159349	5.41	595272	8.41	309429	10.80
480-188804-1 MSD	MW-5-ABR-082421 MSD	134928	5.41	508816	8.41	284458	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.: 480-188804-1
 SDG No.: _____
 Client Sample ID: MW-5-ABR-082421 Lab Sample ID: 480-188804-1
 Matrix: Water Lab File ID: N5424.D
 Analysis Method: 8260C Date Collected: 08/24/2021 10:41
 Sample wt/vol: 5 (mL) Date Analyzed: 08/28/2021 05:05
 Soil Aliquot Vol: _____ Dilution Factor: 400
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 594406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		400	330
79-34-5	1,1,2,2-Tetrachloroethane	ND		400	84
79-00-5	1,1,2-Trichloroethane	ND		400	92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		400	120
75-34-3	1,1-Dichloroethane	ND		400	150
75-35-4	1,1-Dichloroethene	ND		400	120
120-82-1	1,2,4-Trichlorobenzene	ND		400	160
96-12-8	1,2-Dibromo-3-Chloropropane	ND		400	160
95-50-1	1,2-Dichlorobenzene	ND		400	320
107-06-2	1,2-Dichloroethane	ND		400	84
78-87-5	1,2-Dichloropropane	ND		400	290
541-73-1	1,3-Dichlorobenzene	ND		400	310
106-46-7	1,4-Dichlorobenzene	ND		400	340
78-93-3	2-Butanone (MEK)	ND	F2	4000	530
591-78-6	2-Hexanone	ND		2000	500
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2000	840
67-64-1	Acetone	ND	F2	4000	1200
71-43-2	Benzene	ND		400	160
75-27-4	Bromodichloromethane	ND		400	160
75-25-2	Bromoform	ND		400	100
74-83-9	Bromomethane	ND	F2	400	280
75-15-0	Carbon disulfide	ND		400	76
56-23-5	Carbon tetrachloride	ND		400	110
108-90-7	Chlorobenzene	ND		400	300
124-48-1	Dibromochloromethane	ND		400	130
75-00-3	Chloroethane	ND		400	130
67-66-3	Chloroform	ND		400	140
74-87-3	Chloromethane	ND		400	140
156-59-2	cis-1,2-Dichloroethene	12000	F1	400	320
10061-01-5	cis-1,3-Dichloropropene	ND		400	140
110-82-7	Cyclohexane	ND		400	72
75-71-8	Dichlorodifluoromethane	ND		400	270
100-41-4	Ethylbenzene	ND		400	300
106-93-4	1,2-Dibromoethane	ND		400	290
98-82-8	Isopropylbenzene	ND		400	320

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1
 SDG No.: _____
 Client Sample ID: MW-5-ABR-082421 Lab Sample ID: 480-188804-1
 Matrix: Water Lab File ID: N5424.D
 Analysis Method: 8260C Date Collected: 08/24/2021 10:41
 Sample wt/vol: 5 (mL) Date Analyzed: 08/28/2021 05:05
 Soil Aliquot Vol: _____ Dilution Factor: 400
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 594406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1000	520
1634-04-4	Methyl tert-butyl ether	ND		400	64
108-87-2	Methylcyclohexane	ND		400	64
75-09-2	Methylene Chloride	ND		400	180
100-42-5	Styrene	ND		400	290
127-18-4	Tetrachloroethene	ND		400	140
108-88-3	Toluene	ND		400	200
156-60-5	trans-1,2-Dichloroethene	ND		400	360
10061-02-6	trans-1,3-Dichloropropene	ND		400	150
79-01-6	Trichloroethene	320	J	400	180
75-69-4	Trichlorofluoromethane	ND		400	350
75-01-4	Vinyl chloride	ND		400	360
1330-20-7	Xylenes, Total	ND		800	260

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	109		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5424.D
 Lims ID: 480-188804-B-1
 Client ID: MW-5-ABR-082421
 Sample Type: Client
 Inject. Date: 28-Aug-2021 05:05:30 ALS Bottle#: 23 Worklist Smp#: 23
 Purge Vol: 5.000 mL Dil. Factor: 400.0000
 Sample Info: 480-188804-B-1
 Misc. Info.: 480-0100657-023
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Aug-2021 10:40:04 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: CTX1656

First Level Reviewer: dahnw

Date: 30-Aug-2021 10:40:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.412	5.412	0.000	98	138643	25.0	
* 2 Chlorobenzene-d5	117	8.399	8.406	-0.007	90	514227	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	96	278750	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.828	4.834	-0.006	93	193862	27.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	98	241196	26.4	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	621985	24.4	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	89	192297	24.4	
11 Dichlorodifluoromethane	85		1.276				ND	
13 Chloromethane	50		1.452				ND	
14 Vinyl chloride	62	1.543	1.543	0.000	12	5136	0.4935	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64		1.933				ND	
18 Trichlorofluoromethane	101		2.164				ND	
21 112TCTFE	101		2.644				ND	
22 1,1-Dichloroethene	96		2.669				ND	
23 Acetone	43		2.772				ND	
25 Carbon disulfide	76		2.869				ND	
28 Methyl acetate	43		3.070				ND	
30 Methylene Chloride	84		3.192				ND	
32 Methyl tert-butyl ether	73		3.380				ND	
33 trans-1,2-Dichloroethene	96		3.393				ND	
36 1,1-Dichloroethane	63		3.806				ND	
43 cis-1,2-Dichloroethene	96	4.366	4.360	0.006	86	240710	29.1	
44 2-Butanone (MEK)	43		4.403				ND	7
50 Chloroform	83		4.676				ND	
51 1,1,1-Trichloroethane	97		4.786				ND	
52 Cyclohexane	56		4.792				ND	
53 Carbon tetrachloride	117		4.926				ND	
55 Benzene	78		5.139				ND	
57 1,2-Dichloroethane	62		5.212				ND	
60 Trichloroethene	95	5.753	5.753	0.000	85	5814	0.8083	

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		5.990				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		7.456				ND	
79 Tetrachloroethene	166		7.511				ND	
82 2-Hexanone	43		7.688				ND	
83 Chlorodibromomethane	129		7.852				ND	
84 Ethylene Dibromide	107		7.955				ND	
85 Chlorobenzene	112		8.430				ND	
88 Ethylbenzene	91		8.521				ND	
90 m-Xylene & p-Xylene	106		8.643				ND	
91 o-Xylene	106		9.075				ND	
92 Styrene	104		9.105				ND	
93 Bromoform	173		9.355				ND	
95 Isopropylbenzene	105		9.458				ND	
98 1,1,2,2-Tetrachloroethane	83		9.866				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\20210827-100657.b\N5424.D

Injection Date: 28-Aug-2021 05:05:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-188804-B-1

Lab Sample ID: 480-188804-1

Worklist Smp#: 23

Client ID: MW-5-ABR-082421

Purge Vol: 5.000 mL

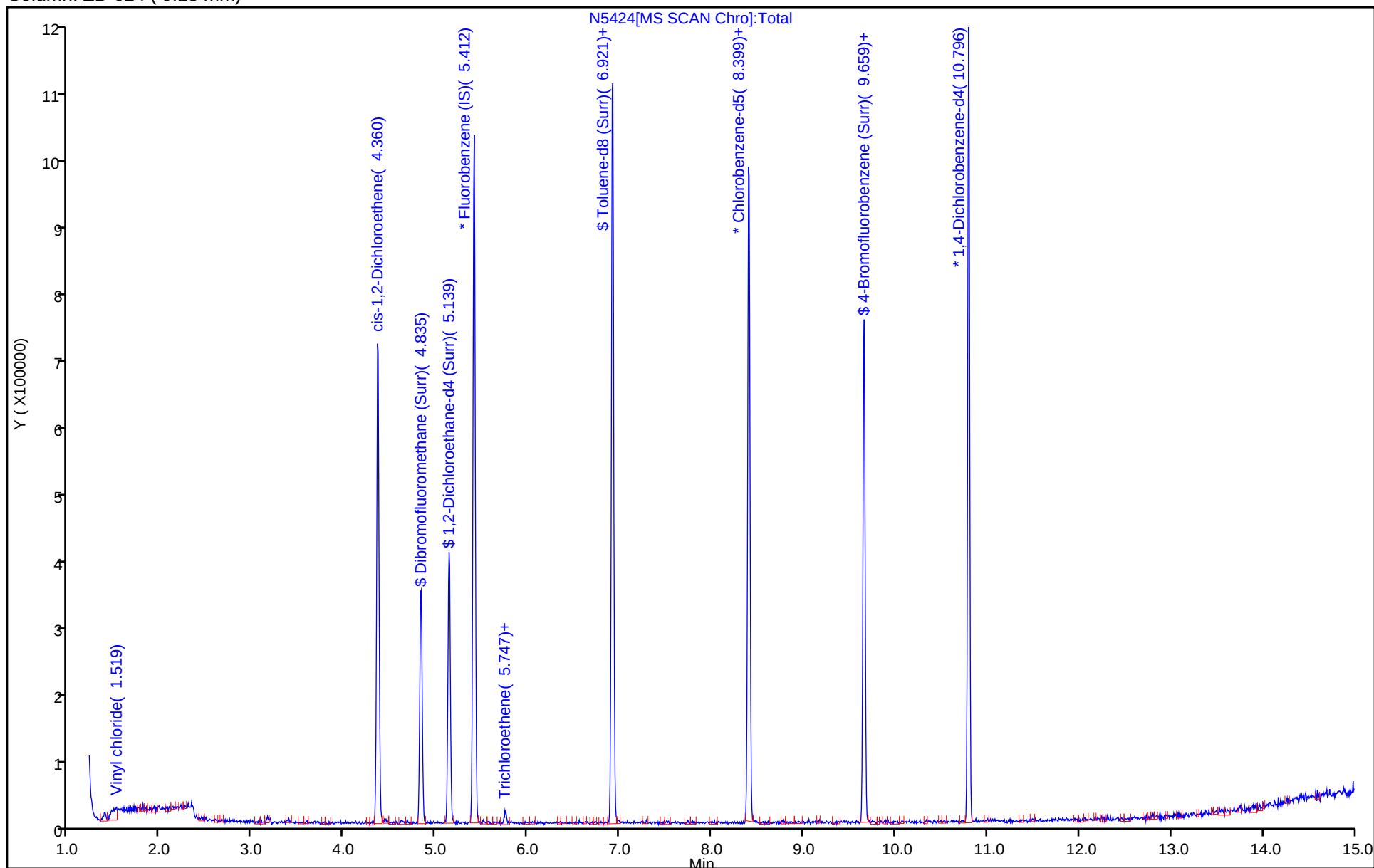
Dil. Factor: 400.0000

ALS Bottle#: 23

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5424.D

Injection Date: 28-Aug-2021 05:05:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-1

Lab Sample ID: 480-188804-1

Client ID: MW-5-ABR-082421

Operator ID: wd

ALS Bottle#: 23

Worklist Smp#: 23

Purge Vol: 5.000 mL

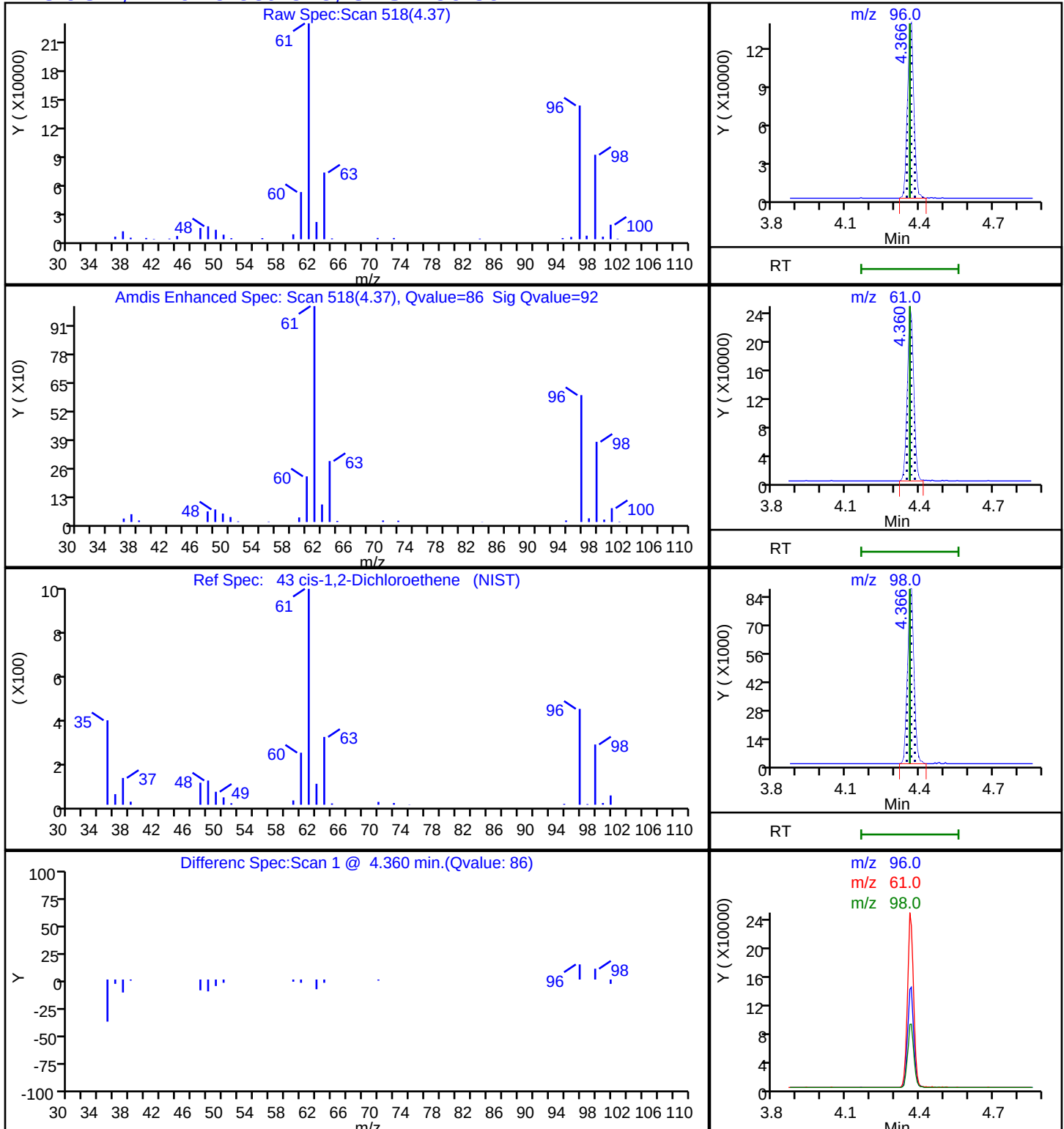
Dil. Factor: 400.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5424.D

Injection Date: 28-Aug-2021 05:05:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-1

Lab Sample ID: 480-188804-1

Client ID: MW-5-ABR-082421

Operator ID: wd

ALS Bottle#: 23

Worklist Smp#: 23

Purge Vol: 5.000 mL

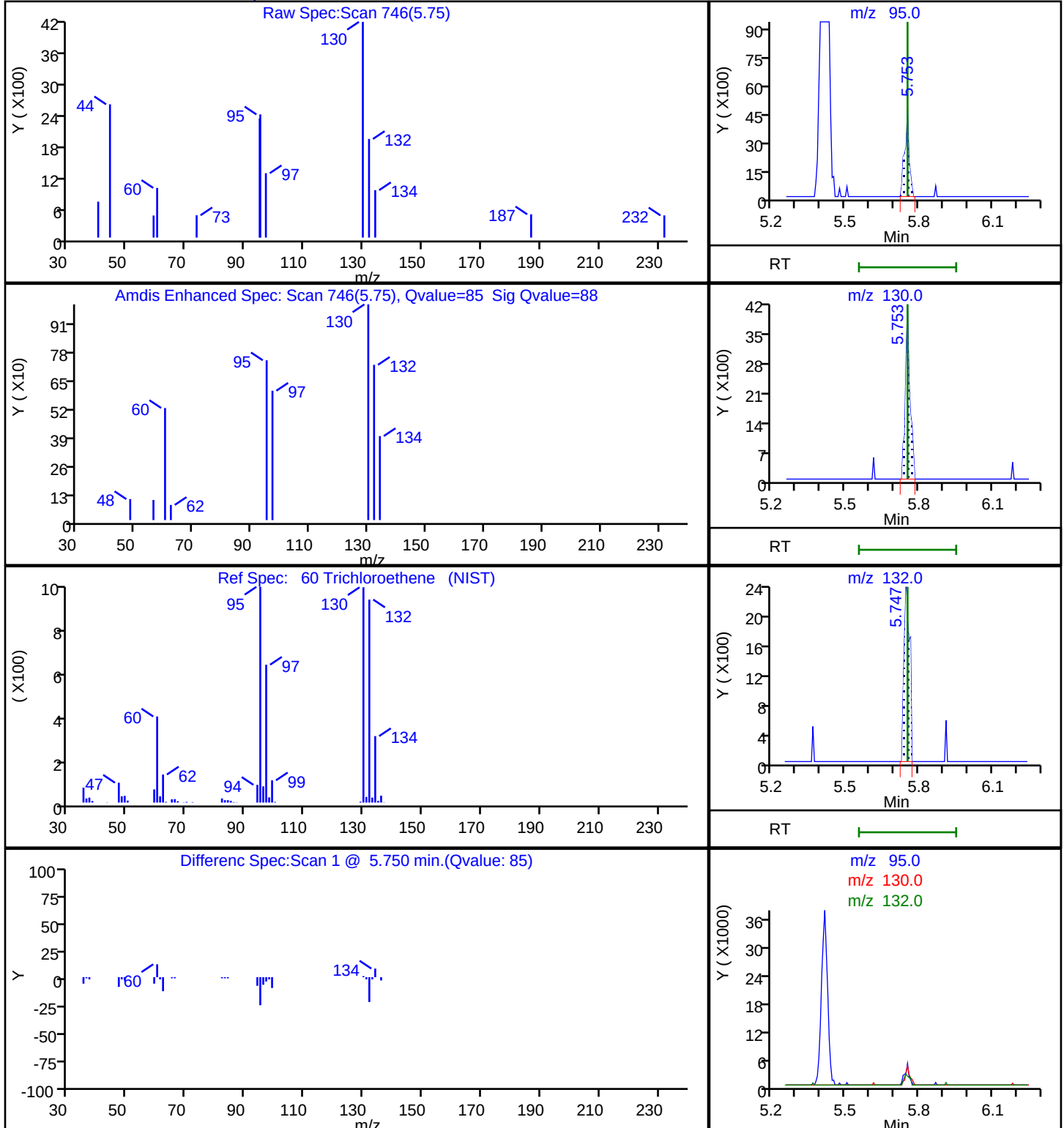
Dil. Factor: 400.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5424.D

Injection Date: 28-Aug-2021 05:05:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-1

Lab Sample ID: 480-188804-1

Client ID: MW-5-ABR-082421

Operator ID: wd

ALS Bottle#: 23 Worklist Smp#: 23

Purge Vol: 5.000 mL

Dil. Factor: 400.0000

Method: N-8260

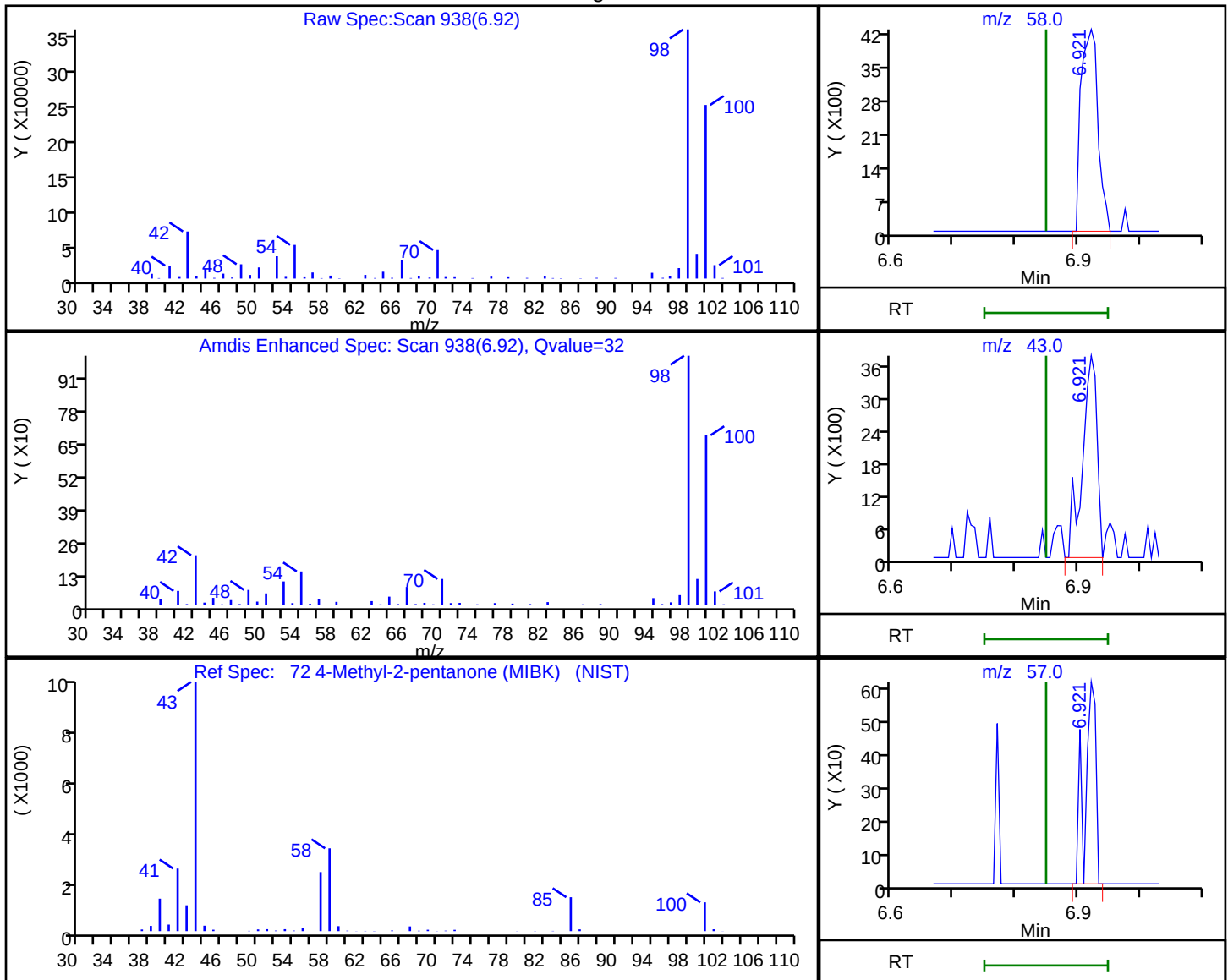
Limit Group: MV - 8260C ICAL

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	8119	1.539668
6.92	43.00	6183	
6.92	57.00	745	

Reviewer: dahnw, 30-Aug-2021 10:39:54

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.: 480-188804-1

SDG No.: _____

Client Sample ID: MW-4BR-082421 Lab Sample ID: 480-188804-2

Matrix: Water Lab File ID: N5425.D

Analysis Method: 8260C Date Collected: 08/24/2021 11:25

Sample wt/vol: 5 (mL) Date Analyzed: 08/28/2021 05:29

Soil Aliquot Vol: _____ Dilution Factor: 100

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

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

Analysis Batch No.: 594406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	82
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	21
79-00-5	1,1,2-Trichloroethane	ND		100	23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31
75-34-3	1,1-Dichloroethane	ND		100	38
75-35-4	1,1-Dichloroethene	ND		100	29
120-82-1	1,2,4-Trichlorobenzene	ND		100	41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	39
95-50-1	1,2-Dichlorobenzene	ND		100	79
107-06-2	1,2-Dichloroethane	ND		100	21
78-87-5	1,2-Dichloropropane	ND		100	72
541-73-1	1,3-Dichlorobenzene	ND		100	78
106-46-7	1,4-Dichlorobenzene	ND		100	84
78-93-3	2-Butanone (MEK)	ND		1000	130
591-78-6	2-Hexanone	ND		500	120
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	210
67-64-1	Acetone	ND		1000	300
71-43-2	Benzene	ND		100	41
75-27-4	Bromodichloromethane	ND		100	39
75-25-2	Bromoform	ND		100	26
74-83-9	Bromomethane	ND		100	69
75-15-0	Carbon disulfide	ND		100	19
56-23-5	Carbon tetrachloride	ND		100	27
108-90-7	Chlorobenzene	ND		100	75
124-48-1	Dibromochloromethane	ND		100	32
75-00-3	Chloroethane	ND		100	32
67-66-3	Chloroform	ND		100	34
74-87-3	Chloromethane	ND		100	35
156-59-2	cis-1,2-Dichloroethene	2400		100	81
10061-01-5	cis-1,3-Dichloropropene	ND		100	36
110-82-7	Cyclohexane	ND		100	18
75-71-8	Dichlorodifluoromethane	ND		100	68
100-41-4	Ethylbenzene	ND		100	74
106-93-4	1,2-Dibromoethane	ND		100	73
98-82-8	Isopropylbenzene	ND		100	79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1
 SDG No.: _____
 Client Sample ID: MW-4BR-082421 Lab Sample ID: 480-188804-2
 Matrix: Water Lab File ID: N5425.D
 Analysis Method: 8260C Date Collected: 08/24/2021 11:25
 Sample wt/vol: 5 (mL) Date Analyzed: 08/28/2021 05:29
 Soil Aliquot Vol: _____ Dilution Factor: 100
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 594406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		250	130
1634-04-4	Methyl tert-butyl ether	ND		100	16
108-87-2	Methylcyclohexane	ND		100	16
75-09-2	Methylene Chloride	ND		100	44
100-42-5	Styrene	ND		100	73
127-18-4	Tetrachloroethene	4900		100	36
108-88-3	Toluene	ND		100	51
156-60-5	trans-1,2-Dichloroethene	ND		100	90
10061-02-6	trans-1,3-Dichloropropene	ND		100	37
79-01-6	Trichloroethene	1300		100	46
75-69-4	Trichlorofluoromethane	ND		100	88
75-01-4	Vinyl chloride	ND		100	90
1330-20-7	Xylenes, Total	ND		200	66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5425.D
 Lims ID: 480-188804-B-2
 Client ID: MW-4BR-082421
 Sample Type: Client
 Inject. Date: 28-Aug-2021 05:29:30 ALS Bottle#: 24 Worklist Smp#: 24
 Purge Vol: 5.000 mL Dil. Factor: 100.0000
 Sample Info: 480-188804-B-2
 Misc. Info.: 480-0100657-024
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Aug-2021 10:40:25 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: CTX1656

First Level Reviewer: dahnw

Date: 30-Aug-2021 10:40:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.412	5.412	0.000	97	155533	25.0	
* 2 Chlorobenzene-d5	117	8.399	8.406	-0.007	90	574280	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	95	306608	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	92	187874	23.5	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.138	5.139	-0.001	97	250744	24.4	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	705074	24.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	90	214542	24.4	
11 Dichlorodifluoromethane	85		1.276				ND	
13 Chloromethane	50		1.452				ND	
14 Vinyl chloride	62		1.543				ND	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64		1.933				ND	
18 Trichlorofluoromethane	101		2.164				ND	
21 112TCTFE	101		2.644				ND	
22 1,1-Dichloroethene	96		2.669				ND	
23 Acetone	43		2.772				ND	
25 Carbon disulfide	76		2.869				ND	
28 Methyl acetate	43		3.070				ND	
30 Methylene Chloride	84		3.192				ND	
32 Methyl tert-butyl ether	73		3.380				ND	
33 trans-1,2-Dichloroethene	96	3.386	3.393	-0.007	45	3827	0.4645	
36 1,1-Dichloroethane	63		3.806				ND	
43 cis-1,2-Dichloroethene	96	4.366	4.360	0.006	86	226967	24.4	
44 2-Butanone (MEK)	43		4.403				ND	7
50 Chloroform	83		4.676				ND	
51 1,1,1-Trichloroethane	97		4.786				ND	
52 Cyclohexane	56		4.792				ND	
53 Carbon tetrachloride	117		4.926				ND	
55 Benzene	78		5.139				ND	
57 1,2-Dichloroethane	62		5.212				ND	
60 Trichloroethene	95	5.753	5.753	0.000	93	100910	12.5	

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		5.990				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		7.456				ND	U
79 Tetrachloroethene	166	7.517	7.511	0.006	96	416581	49.2	
82 2-Hexanone	43		7.688				ND	
83 Chlorodibromomethane	129		7.852				ND	
84 Ethylene Dibromide	107		7.955				ND	
85 Chlorobenzene	112		8.430				ND	
88 Ethylbenzene	91		8.521				ND	
90 m-Xylene & p-Xylene	106		8.643				ND	
91 o-Xylene	106		9.075				ND	
92 Styrene	104		9.105				ND	
93 Bromoform	173		9.355				ND	
95 Isopropylbenzene	105		9.458				ND	
98 1,1,2,2-Tetrachloroethane	83		9.866				ND	
110 1,3-Dichlorobenzene	146		10.729				ND	7
113 1,4-Dichlorobenzene	146		10.821				ND	7
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\20210827-100657.b\N5425.D

Injection Date: 28-Aug-2021 05:29:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-188804-B-2

Lab Sample ID: 480-188804-2

Worklist Smp#: 24

Client ID: MW-4BR-082421

Purge Vol: 5.000 mL

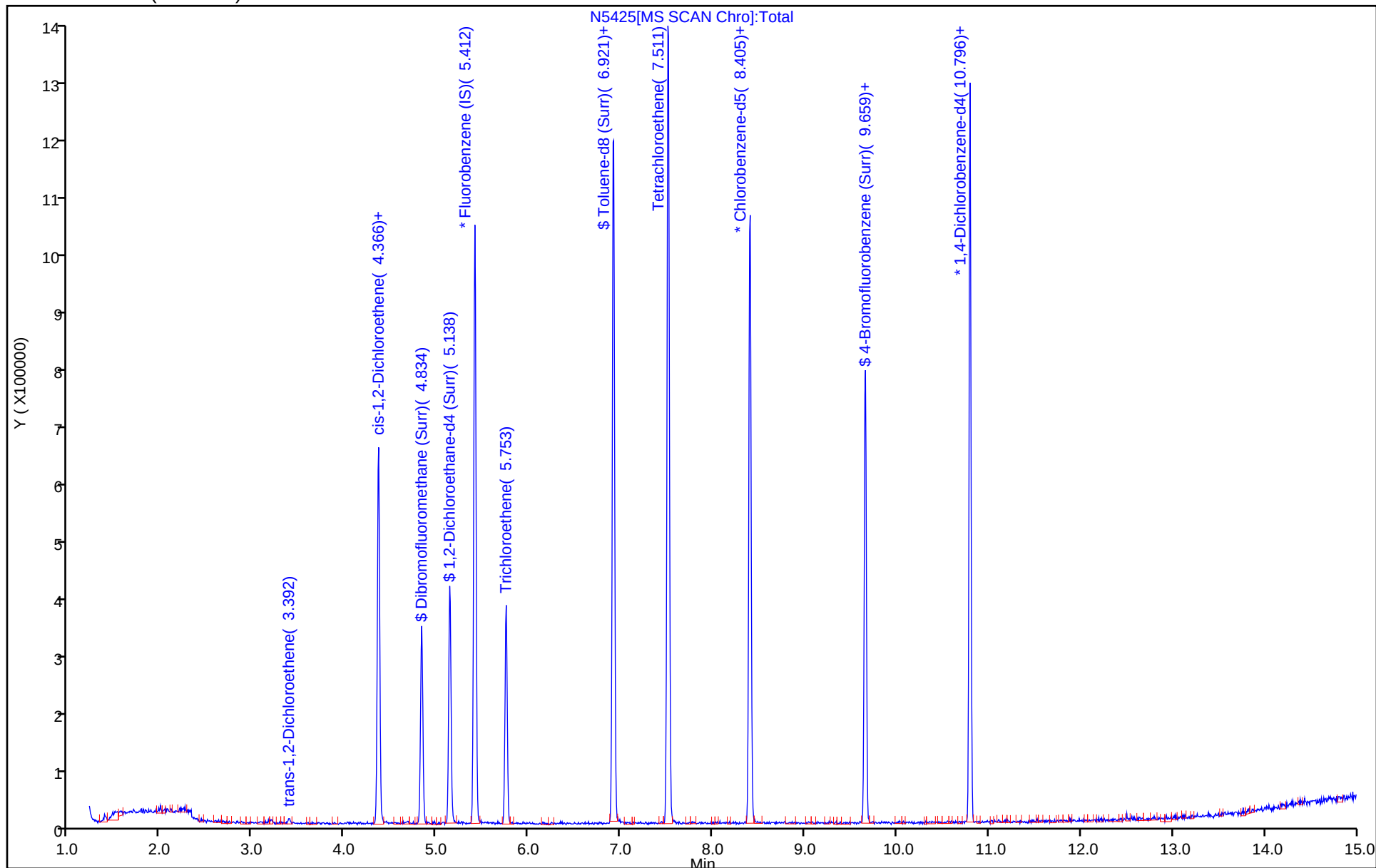
Dil. Factor: 100.0000

ALS Bottle#: 24

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Detector MS SCAN

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5425.D

Injection Date: 28-Aug-2021 05:29:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-2

Lab Sample ID: 480-188804-2

Client ID: MW-4BR-082421

Operator ID: wd

ALS Bottle#: 24

Worklist Smp#: 24

Purge Vol: 5.000 mL

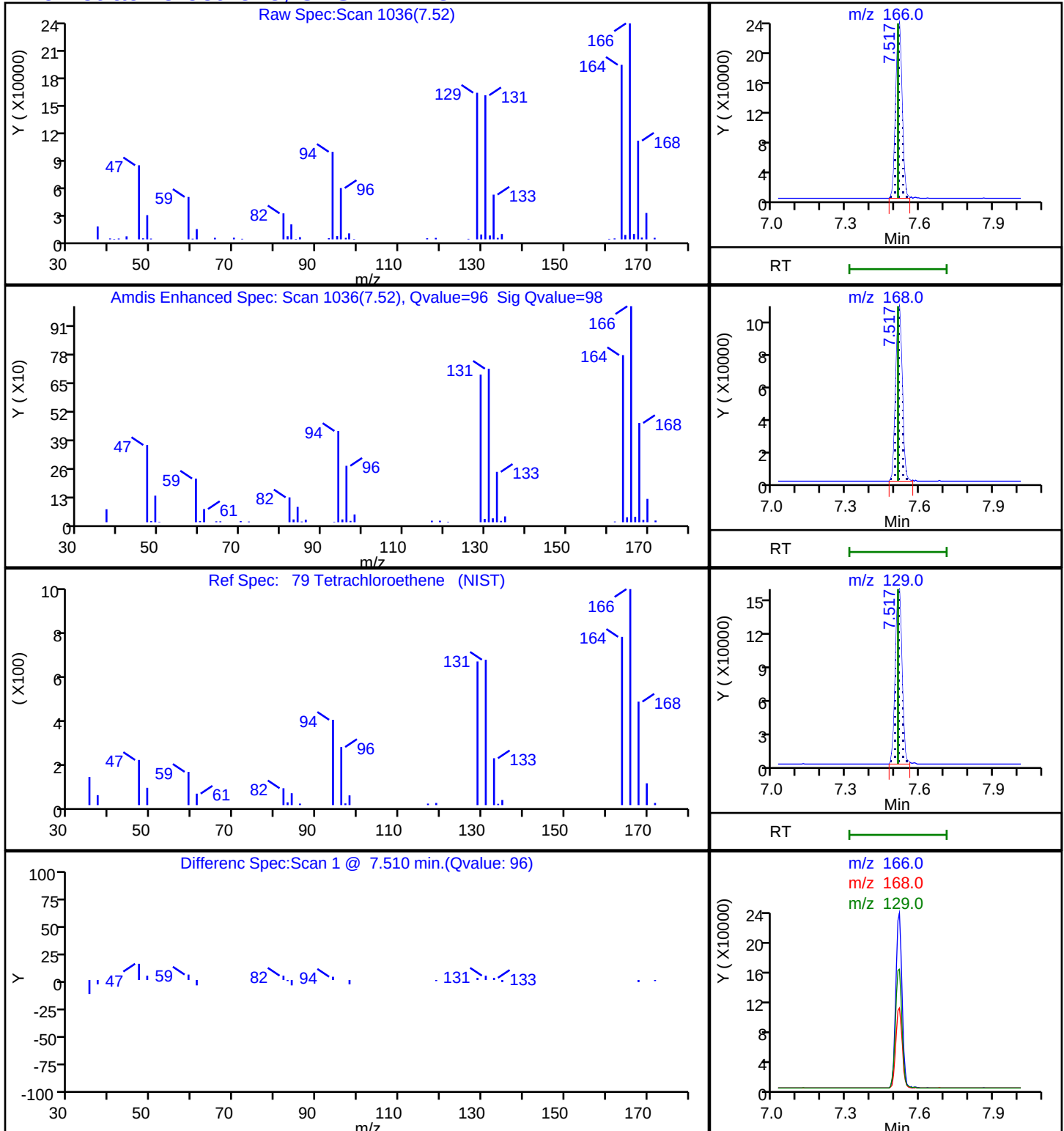
Dil. Factor: 100.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

79 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5425.D

Injection Date: 28-Aug-2021 05:29:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-2

Lab Sample ID: 480-188804-2

Client ID: MW-4BR-082421

Operator ID: wd

ALS Bottle#: 24

Worklist Smp#: 24

Purge Vol: 5.000 mL

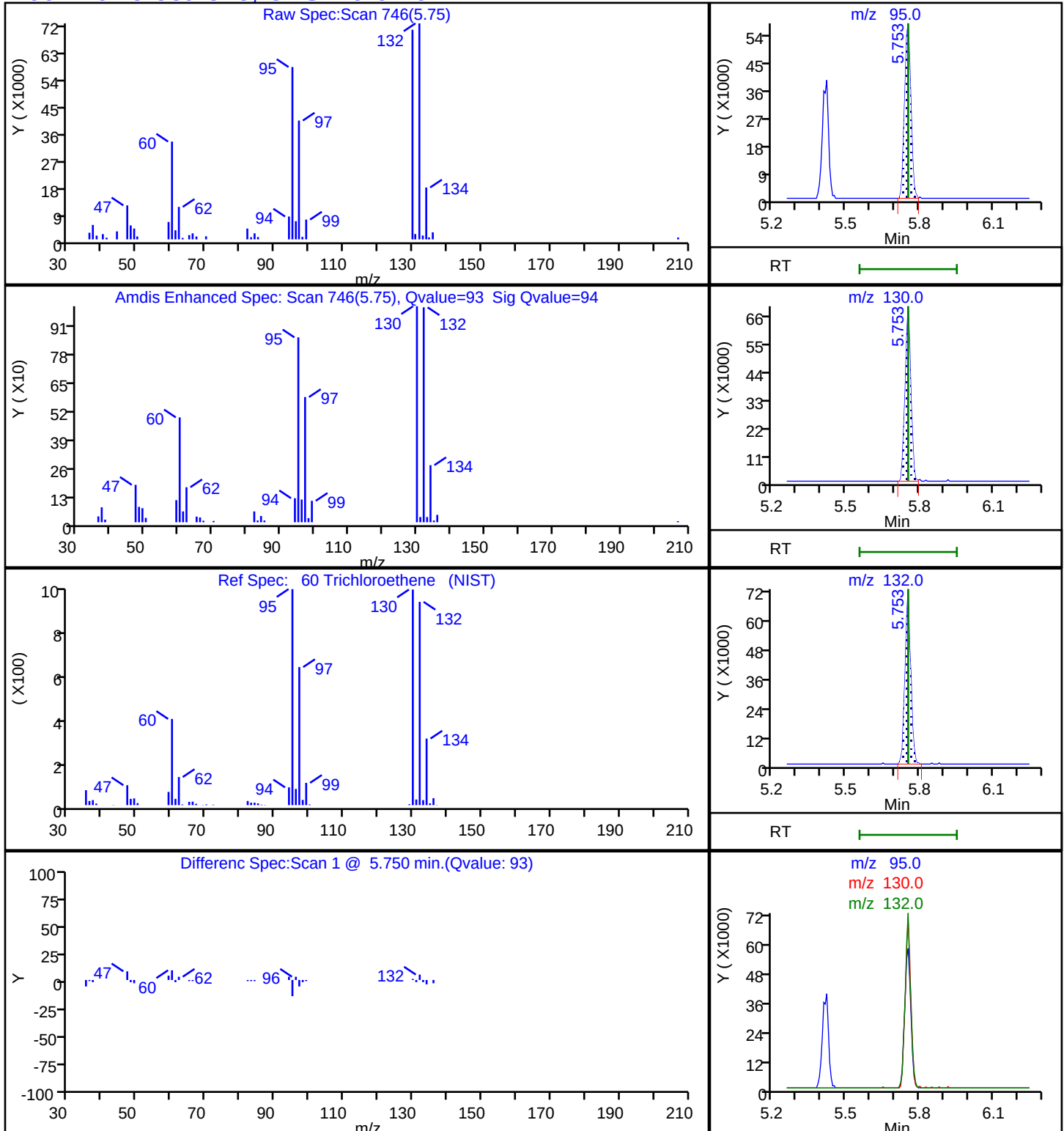
Dil. Factor: 100.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5425.D

Injection Date: 28-Aug-2021 05:29:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-2

Lab Sample ID: 480-188804-2

Client ID: MW-4BR-082421

Operator ID: wd

ALS Bottle#:

24

Worklist Smp#: 24

Purge Vol: 5.000 mL

Dil. Factor: 100.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

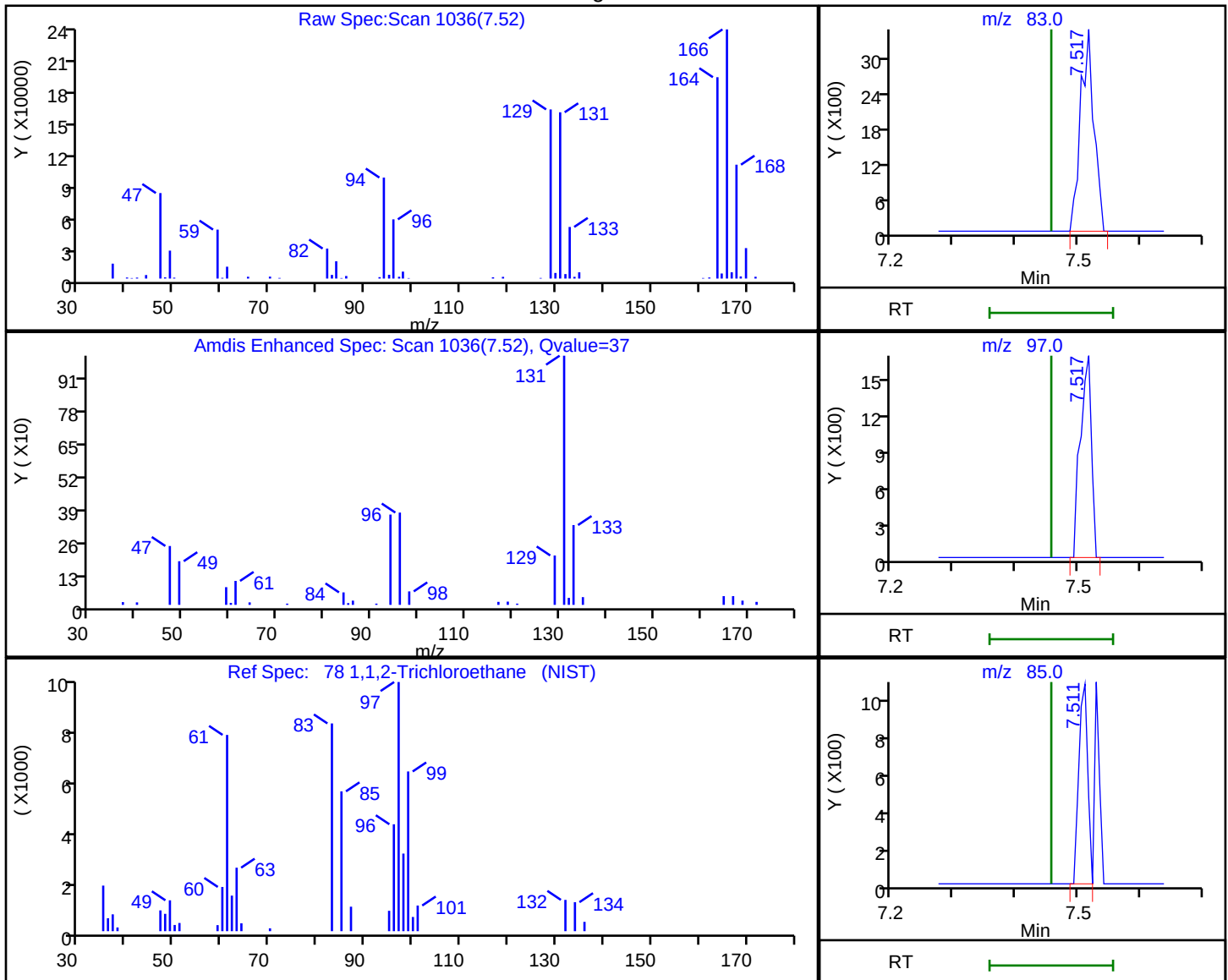
Column: ZB-624 (0.18 mm)

Detector

MS SCAN

78 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.52	83.00	5129	0.851694
7.52	97.00	2079	
7.51	85.00	1075	

Reviewer: dahnw, 30-Aug-2021 10:40:11

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5425.D

Injection Date: 28-Aug-2021 05:29:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-2

Lab Sample ID: 480-188804-2

Client ID: MW-4BR-082421

Operator ID: wd

ALS Bottle#:

24

Worklist Smp#: 24

Purge Vol: 5.000 mL

Dil. Factor: 100.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

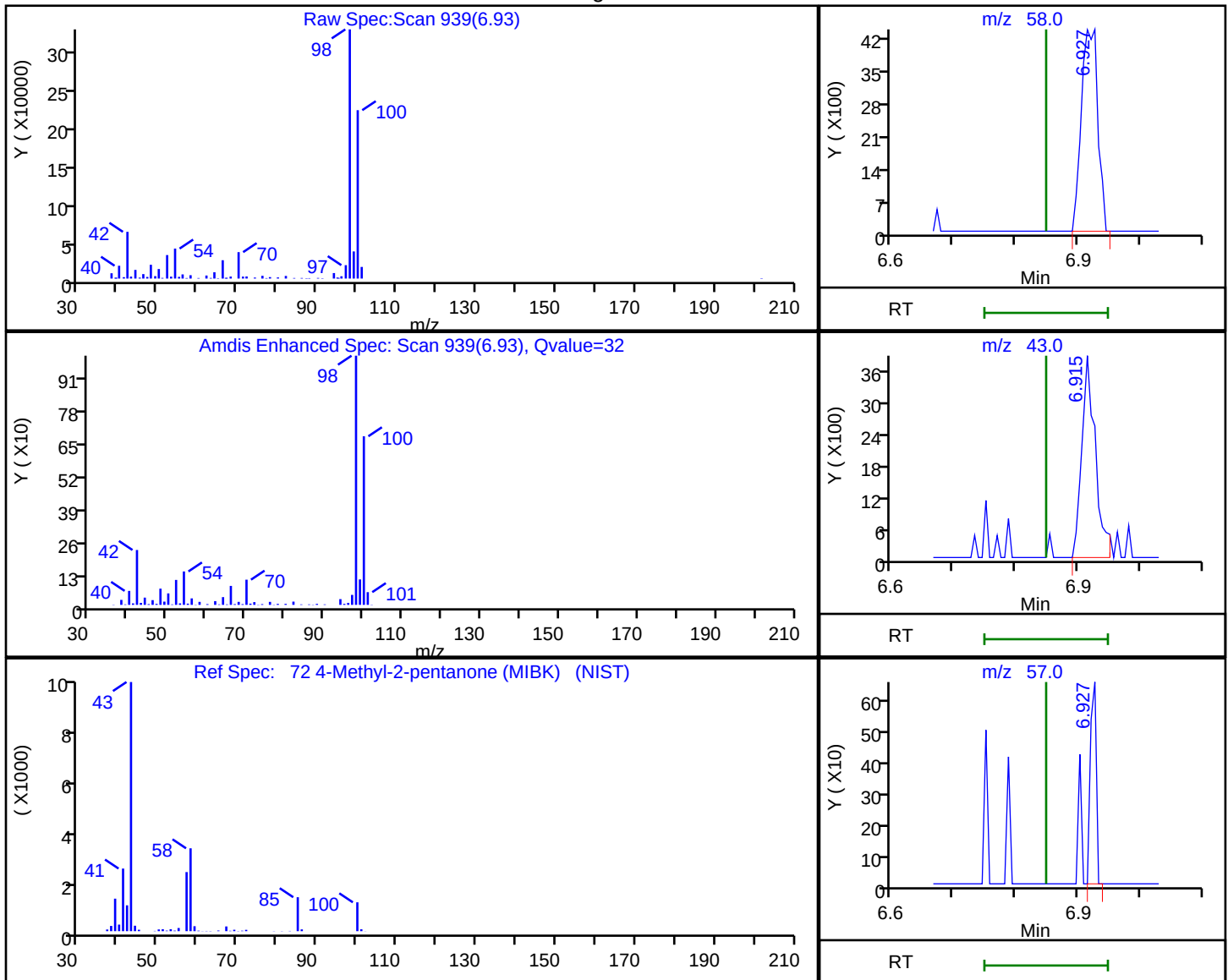
Column: ZB-624 (0.18 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.93	58.00	7981	1.355230
6.91	43.00	5916	
6.93	57.00	435	

Reviewer: dahnw, 30-Aug-2021 10:40:13

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.: 480-188804-1
 SDG No.: _____
 Client Sample ID: DUP-082421 Lab Sample ID: 480-188804-3
 Matrix: Water Lab File ID: N5426.D
 Analysis Method: 8260C Date Collected: 08/24/2021 11:30
 Sample wt/vol: 5 (mL) Date Analyzed: 08/28/2021 05:52
 Soil Aliquot Vol: _____ Dilution Factor: 100
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 594406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	82
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	21
79-00-5	1,1,2-Trichloroethane	ND		100	23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31
75-34-3	1,1-Dichloroethane	ND		100	38
75-35-4	1,1-Dichloroethene	ND		100	29
120-82-1	1,2,4-Trichlorobenzene	ND		100	41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	39
95-50-1	1,2-Dichlorobenzene	ND		100	79
107-06-2	1,2-Dichloroethane	ND		100	21
78-87-5	1,2-Dichloropropane	ND		100	72
541-73-1	1,3-Dichlorobenzene	ND		100	78
106-46-7	1,4-Dichlorobenzene	ND		100	84
78-93-3	2-Butanone (MEK)	ND		1000	130
591-78-6	2-Hexanone	ND		500	120
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	210
67-64-1	Acetone	ND		1000	300
71-43-2	Benzene	ND		100	41
75-27-4	Bromodichloromethane	ND		100	39
75-25-2	Bromoform	ND		100	26
74-83-9	Bromomethane	ND		100	69
75-15-0	Carbon disulfide	ND		100	19
56-23-5	Carbon tetrachloride	ND		100	27
108-90-7	Chlorobenzene	ND		100	75
124-48-1	Dibromochloromethane	ND		100	32
75-00-3	Chloroethane	ND		100	32
67-66-3	Chloroform	ND		100	34
74-87-3	Chloromethane	ND		100	35
156-59-2	cis-1,2-Dichloroethene	2800		100	81
10061-01-5	cis-1,3-Dichloropropene	ND		100	36
110-82-7	Cyclohexane	ND		100	18
75-71-8	Dichlorodifluoromethane	ND		100	68
100-41-4	Ethylbenzene	ND		100	74
106-93-4	1,2-Dibromoethane	ND		100	73
98-82-8	Isopropylbenzene	ND		100	79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1
 SDG No.: _____
 Client Sample ID: DUP-082421 Lab Sample ID: 480-188804-3
 Matrix: Water Lab File ID: N5426.D
 Analysis Method: 8260C Date Collected: 08/24/2021 11:30
 Sample wt/vol: 5 (mL) Date Analyzed: 08/28/2021 05:52
 Soil Aliquot Vol: _____ Dilution Factor: 100
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 594406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		250	130
1634-04-4	Methyl tert-butyl ether	ND		100	16
108-87-2	Methylcyclohexane	ND		100	16
75-09-2	Methylene Chloride	ND		100	44
100-42-5	Styrene	ND		100	73
127-18-4	Tetrachloroethene	4800		100	36
108-88-3	Toluene	ND		100	51
156-60-5	trans-1,2-Dichloroethene	ND		100	90
10061-02-6	trans-1,3-Dichloropropene	ND		100	37
79-01-6	Trichloroethene	1300		100	46
75-69-4	Trichlorofluoromethane	ND		100	88
75-01-4	Vinyl chloride	ND		100	90
1330-20-7	Xylenes, Total	ND		200	66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5426.D
 Lims ID: 480-188804-B-3
 Client ID: DUP-082421
 Sample Type: Client
 Inject. Date: 28-Aug-2021 05:52:30 ALS Bottle#: 25 Worklist Smp#: 25
 Purge Vol: 5.000 mL Dil. Factor: 100.0000
 Sample Info: 480-188804-B-3
 Misc. Info.: 480-0100657-025
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Aug-2021 10:40:51 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: CTX1656

First Level Reviewer: dahnw

Date: 30-Aug-2021 10:40:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.406	5.412	-0.006	98	141762	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.406	-0.001	90	504521	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	96	280263	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.828	4.834	-0.006	90	190173	26.1	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	96	226954	24.3	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	627480	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	88	185791	24.1	
11 Dichlorodifluoromethane	85		1.276				ND	
13 Chloromethane	50		1.452				ND	
14 Vinyl chloride	62		1.543				ND	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64		1.933				ND	
18 Trichlorofluoromethane	101		2.164				ND	
21 112TCTFE	101		2.644				ND	
22 1,1-Dichloroethene	96		2.669				ND	
23 Acetone	43		2.772				ND	
25 Carbon disulfide	76		2.869				ND	
28 Methyl acetate	43		3.070				ND	
30 Methylene Chloride	84		3.192				ND	
32 Methyl tert-butyl ether	73		3.380				ND	
33 trans-1,2-Dichloroethene	96	3.393	3.393	0.000	45	2010	0.2676	
36 1,1-Dichloroethane	63		3.806				ND	
43 cis-1,2-Dichloroethene	96	4.366	4.360	0.006	86	235661	27.8	
44 2-Butanone (MEK)	43		4.403				ND	
50 Chloroform	83		4.676				ND	
51 1,1,1-Trichloroethane	97		4.786				ND	
52 Cyclohexane	56		4.792				ND	
53 Carbon tetrachloride	117		4.926				ND	
55 Benzene	78		5.139				ND	
57 1,2-Dichloroethane	62		5.212				ND	
60 Trichloroethene	95	5.747	5.753	-0.006	95	97476	13.3	

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		5.990				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		7.456				ND	U
79 Tetrachloroethene	166	7.517	7.511	0.006	96	359279	48.3	
82 2-Hexanone	43		7.688				ND	
83 Chlorodibromomethane	129		7.852				ND	
84 Ethylene Dibromide	107		7.955				ND	
85 Chlorobenzene	112		8.430				ND	
88 Ethylbenzene	91		8.521				ND	
90 m-Xylene & p-Xylene	106		8.643				ND	
91 o-Xylene	106		9.075				ND	
92 Styrene	104		9.105				ND	
93 Bromoform	173		9.355				ND	
95 Isopropylbenzene	105		9.458				ND	
98 1,1,2,2-Tetrachloroethane	83		9.866				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\20210827-100657.b\N5426.D

Injection Date: 28-Aug-2021 05:52:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-188804-B-3

Lab Sample ID: 480-188804-3

Worklist Smp#: 25

Client ID: DUP-082421

Purge Vol: 5.000 mL

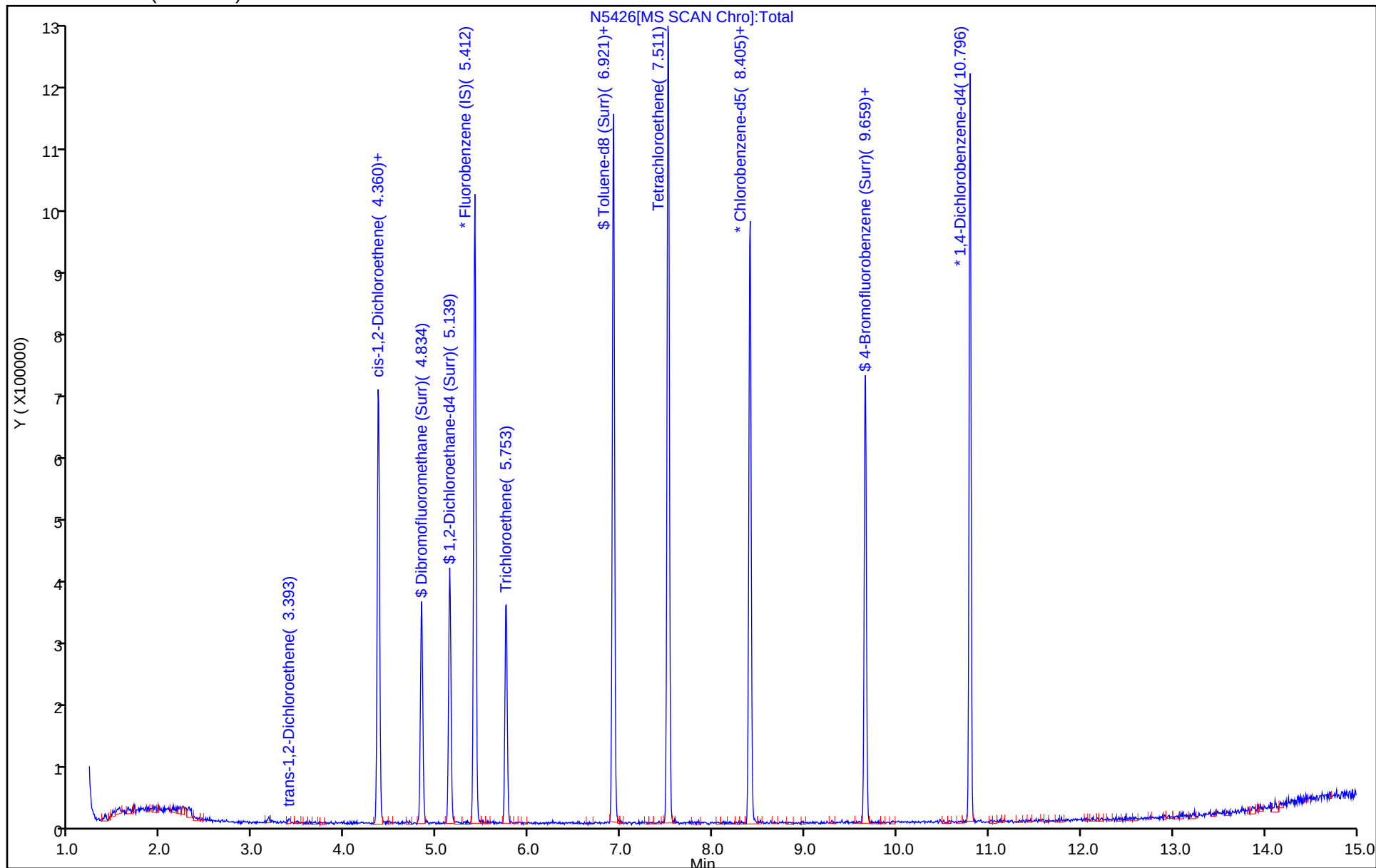
Dil. Factor: 100.0000

ALS Bottle#: 25

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5426.D

Injection Date: 28-Aug-2021 05:52:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-3

Lab Sample ID: 480-188804-3

Client ID: DUP-082421

Operator ID: wd

ALS Bottle#: 25

Worklist Smp#: 25

Purge Vol: 5.000 mL

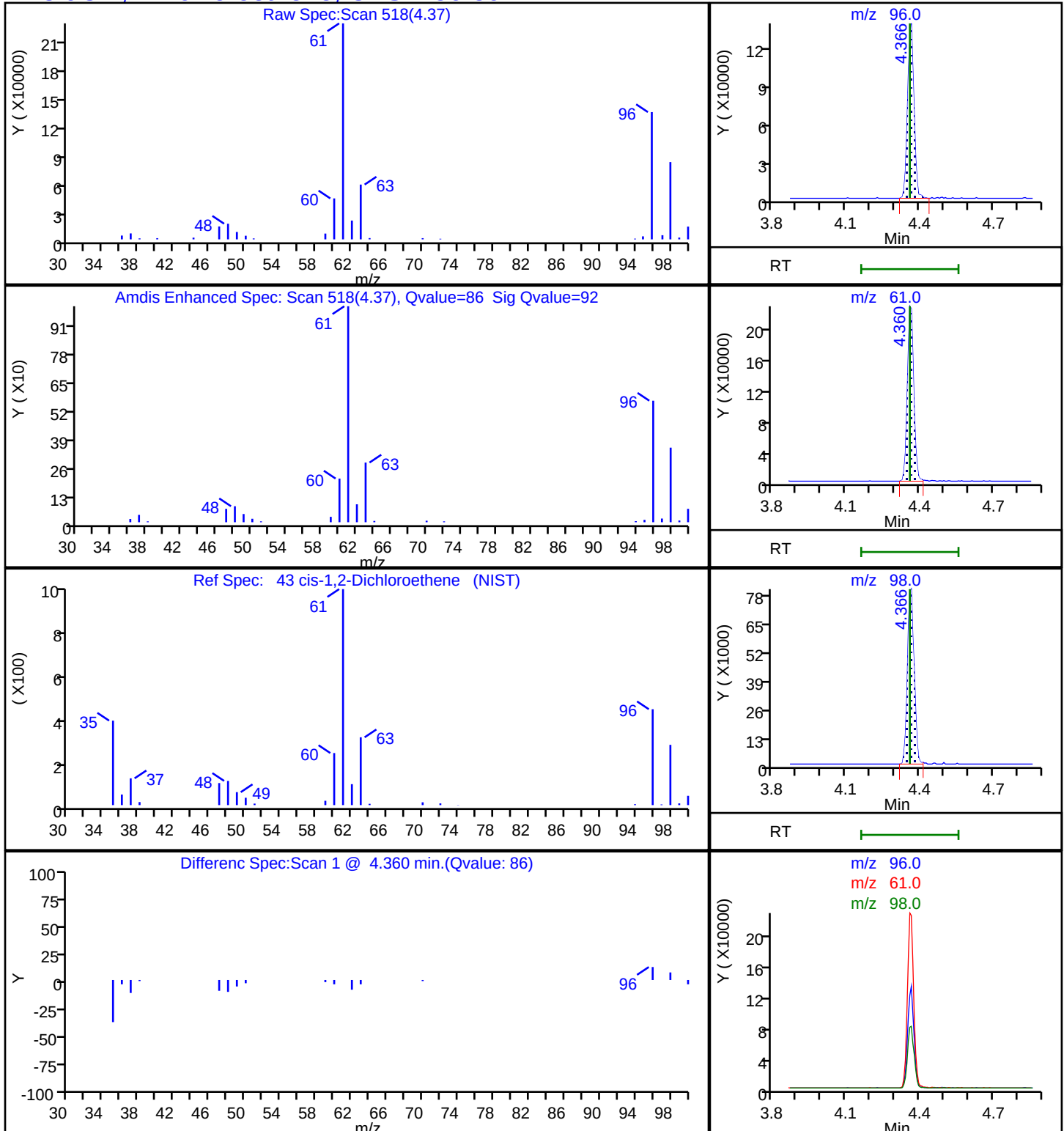
Dil. Factor: 100.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5426.D

Injection Date: 28-Aug-2021 05:52:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-3

Lab Sample ID: 480-188804-3

Client ID: DUP-082421

Operator ID: wd

ALS Bottle#: 25

Worklist Smp#: 25

Purge Vol: 5.000 mL

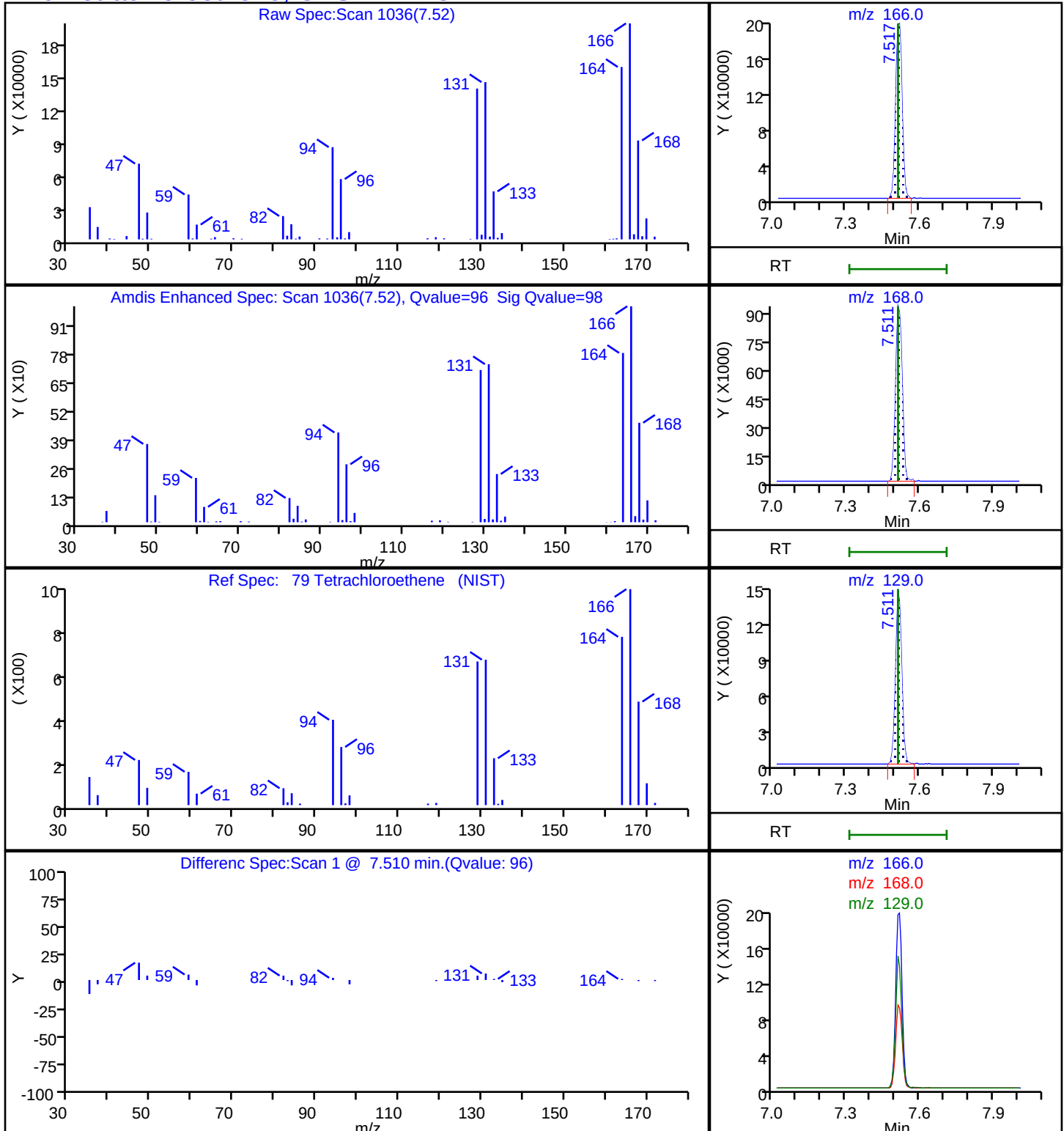
Dil. Factor: 100.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

79 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5426.D

Injection Date: 28-Aug-2021 05:52:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-3

Lab Sample ID: 480-188804-3

Client ID: DUP-082421

Operator ID: wd

ALS Bottle#: 25

Worklist Smp#: 25

Purge Vol: 5.000 mL

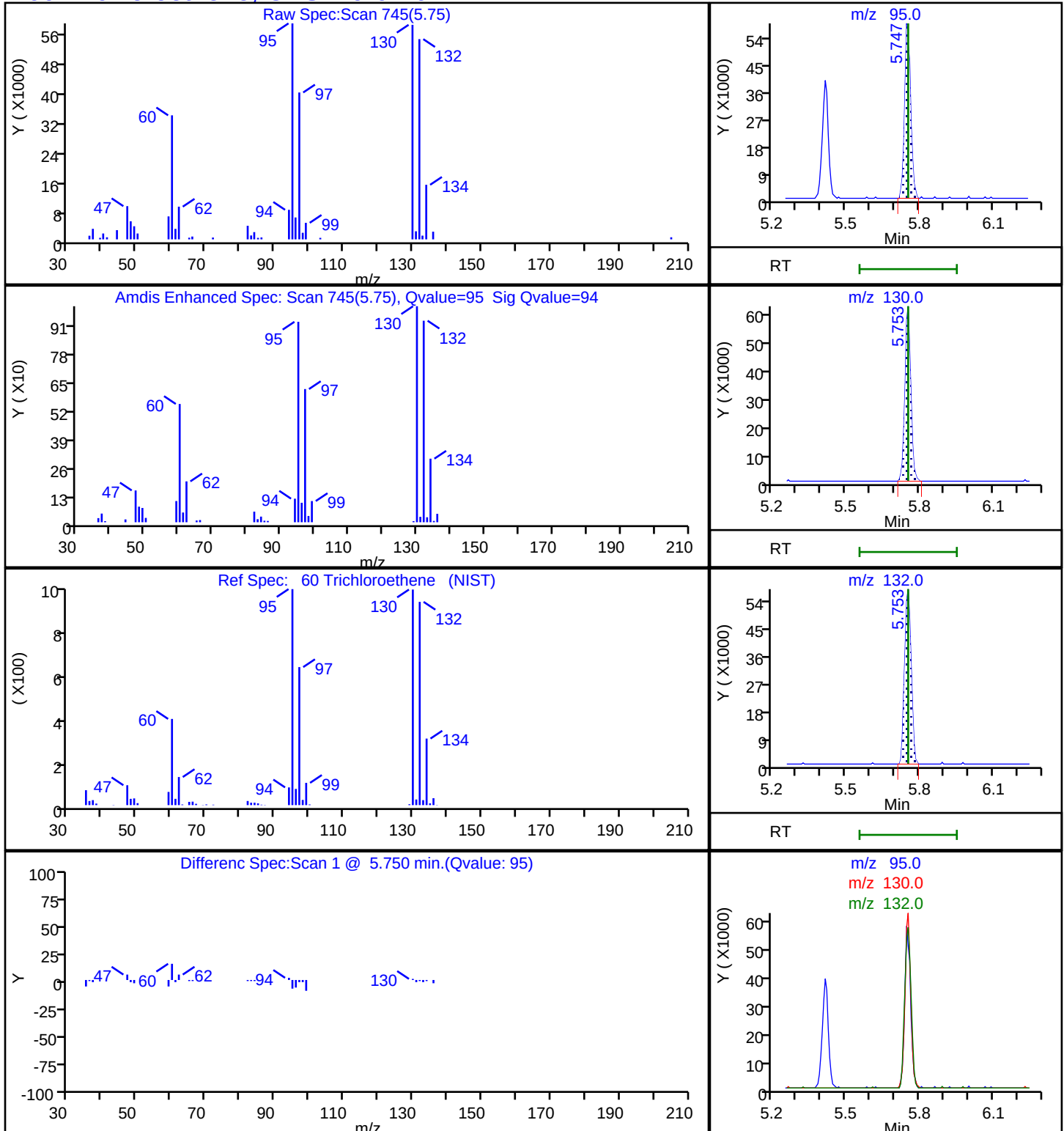
Dil. Factor: 100.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5426.D

Injection Date: 28-Aug-2021 05:52:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-3

Lab Sample ID: 480-188804-3

Client ID: DUP-082421

Operator ID: wd

ALS Bottle#:

25

Worklist Smp#: 25

Purge Vol: 5.000 mL

Dil. Factor: 100.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

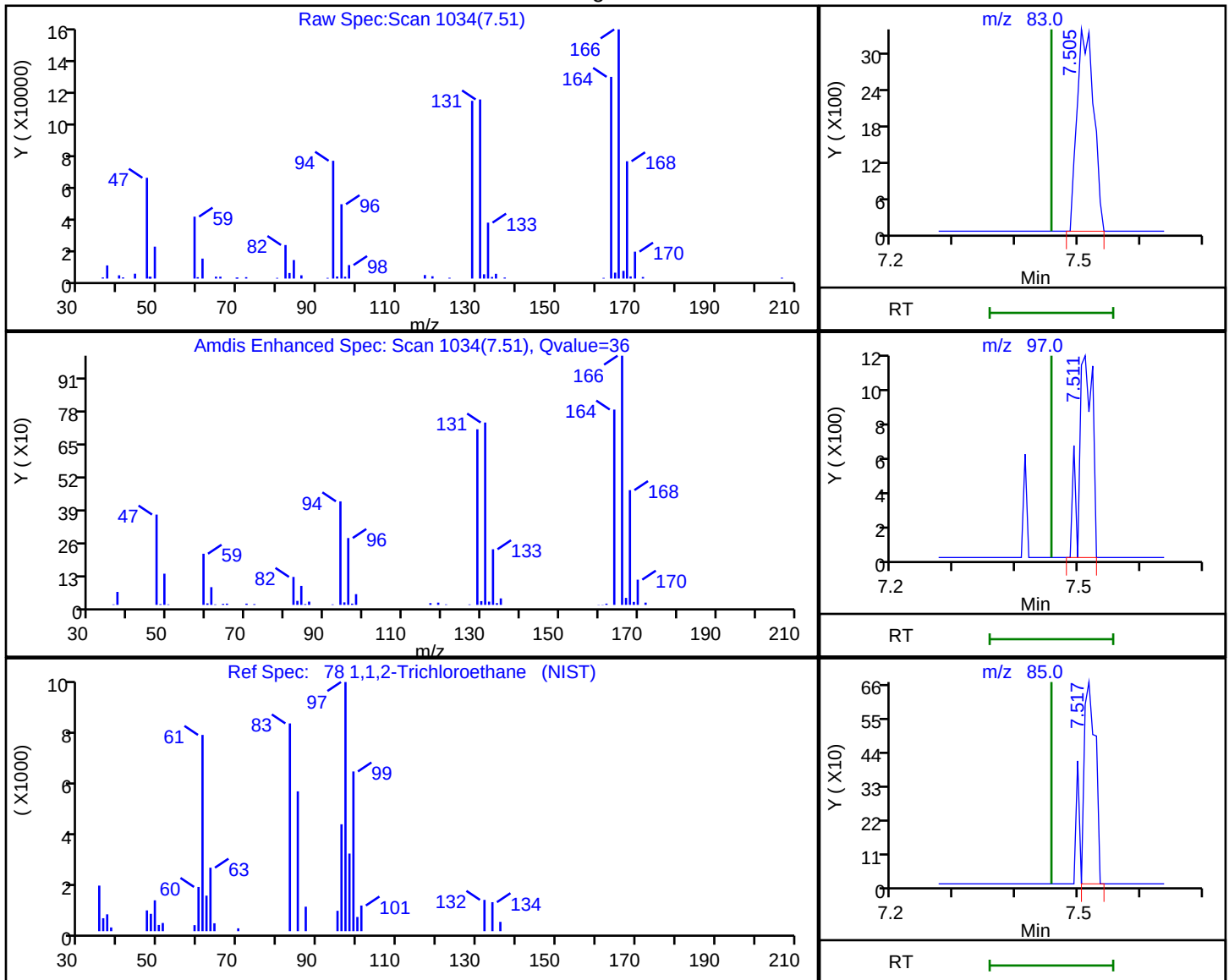
Column: ZB-624 (0.18 mm)

Detector

MS SCAN

78 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.51	83.00	6319	1.194383
7.51	97.00	1765	
7.52	85.00	816	

Reviewer: dahnw, 30-Aug-2021 10:40:44

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5426.D

Injection Date: 28-Aug-2021 05:52:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-3

Lab Sample ID: 480-188804-3

Client ID: DUP-082421

Operator ID: wd

ALS Bottle#:

25

Worklist Smp#: 25

Purge Vol: 5.000 mL

Dil. Factor: 100.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

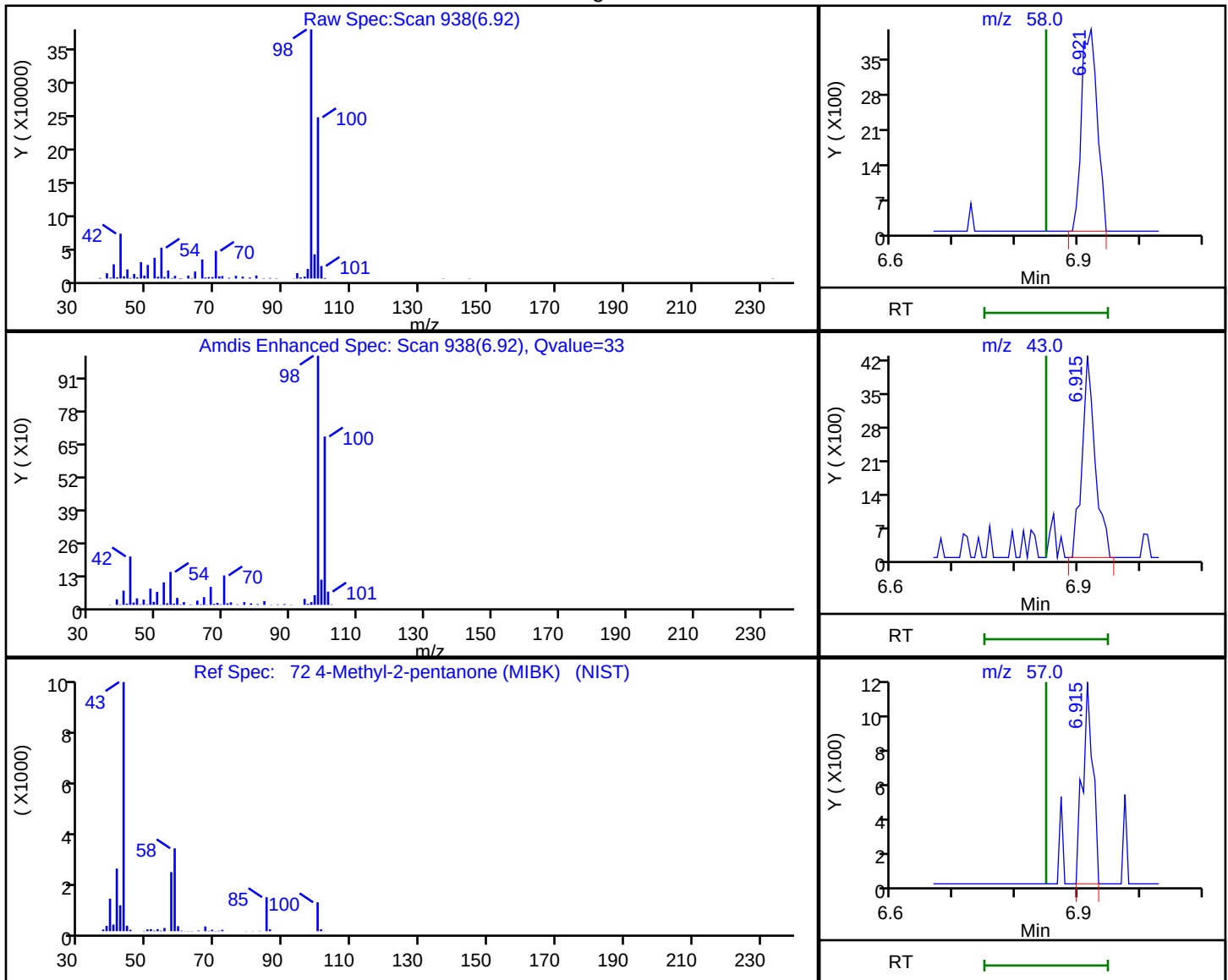
Column: ZB-624 (0.18 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.92	58.00	7124	1.376969
6.91	43.00	6140	
6.91	57.00	1321	

Reviewer: dahnw, 30-Aug-2021 10:40:42

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.: 480-188804-1

SDG No.: _____

Client Sample ID: MW-3BR-082421 Lab Sample ID: 480-188804-4

Matrix: Water Lab File ID: N5427.D

Analysis Method: 8260C Date Collected: 08/24/2021 12:00

Sample wt/vol: 5 (mL) Date Analyzed: 08/28/2021 06:15

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.: 594406 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
79-00-5	1,1,2-Trichloroethane	ND		200	46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62
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
96-12-8	1,2-Dibromo-3-Chloropropane	ND		200	78
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
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
124-48-1	Dibromochloromethane	ND		200	64
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	5900		200	160
10061-01-5	cis-1,3-Dichloropropene	ND		200	72
110-82-7	Cyclohexane	ND		200	36
75-71-8	Dichlorodifluoromethane	ND		200	140
100-41-4	Ethylbenzene	ND		200	150
106-93-4	1,2-Dibromoethane	ND		200	150
98-82-8	Isopropylbenzene	ND		200	160

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1
 SDG No.: _____
 Client Sample ID: MW-3BR-082421 Lab Sample ID: 480-188804-4
 Matrix: Water Lab File ID: N5427.D
 Analysis Method: 8260C Date Collected: 08/24/2021 12:00
 Sample wt/vol: 5 (mL) Date Analyzed: 08/28/2021 06:15
 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.: 594406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		500	260
1634-04-4	Methyl tert-butyl ether	ND		200	32
108-87-2	Methylcyclohexane	ND		200	32
75-09-2	Methylene Chloride	ND		200	88
100-42-5	Styrene	ND		200	150
127-18-4	Tetrachloroethene	3000		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	1800		200	92
75-69-4	Trichlorofluoromethane	ND		200	180
75-01-4	Vinyl chloride	ND		200	180
1330-20-7	Xylenes, Total	ND		400	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5427.D
 Lims ID: 480-188804-B-4
 Client ID: MW-3BR-082421
 Sample Type: Client
 Inject. Date: 28-Aug-2021 06:15:30 ALS Bottle#: 26 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 200.0000
 Sample Info: 480-188804-B-4
 Misc. Info.: 480-0100657-026
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Aug-2021 10:41:12 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: CTX1656

First Level Reviewer: dahnw

Date: 30-Aug-2021 10:41:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.412	5.412	0.000	98	154235	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.406	-0.001	89	594816	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	96	302920	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	92	196216	24.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.138	5.139	-0.001	97	256261	25.2	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	95	727632	24.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.658	9.659	-0.001	89	221163	24.3	
11 Dichlorodifluoromethane	85		1.276				ND	
13 Chloromethane	50		1.452				ND	
14 Vinyl chloride	62	1.543	1.543	0.000	50	8700	0.7514	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64		1.933				ND	
18 Trichlorofluoromethane	101		2.164				ND	
21 112TCTFE	101		2.644				ND	
22 1,1-Dichloroethene	96		2.669				ND	
23 Acetone	43		2.772				ND	
25 Carbon disulfide	76		2.869				ND	
28 Methyl acetate	43		3.070				ND	
30 Methylene Chloride	84		3.192				ND	
32 Methyl tert-butyl ether	73		3.380				ND	
33 trans-1,2-Dichloroethene	96		3.393				ND	7
36 1,1-Dichloroethane	63		3.806				ND	
43 cis-1,2-Dichloroethene	96	4.366	4.360	0.006	86	272167	29.5	
44 2-Butanone (MEK)	43		4.403				ND	
50 Chloroform	83		4.676				ND	
51 1,1,1-Trichloroethane	97		4.786				ND	
52 Cyclohexane	56		4.792				ND	
53 Carbon tetrachloride	117		4.926				ND	
55 Benzene	78		5.139				ND	
57 1,2-Dichloroethane	62		5.212				ND	
60 Trichloroethene	95	5.753	5.753	0.000	94	72912	9.11	

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		5.990				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		7.456				ND	U
79 Tetrachloroethene	166	7.517	7.511	0.006	93	132582	15.1	
82 2-Hexanone	43		7.688				ND	
83 Chlorodibromomethane	129		7.852				ND	
84 Ethylene Dibromide	107		7.955				ND	
85 Chlorobenzene	112		8.430				ND	
88 Ethylbenzene	91		8.521				ND	
90 m-Xylene & p-Xylene	106		8.643				ND	
91 o-Xylene	106		9.075				ND	
92 Styrene	104		9.105				ND	
93 Bromoform	173		9.355				ND	
95 Isopropylbenzene	105		9.458				ND	
98 1,1,2,2-Tetrachloroethane	83		9.866				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\20210827-100657.b\N5427.D

Injection Date: 28-Aug-2021 06:15:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-188804-B-4

Lab Sample ID: 480-188804-4

Worklist Smp#: 26

Client ID: MW-3BR-082421

Purge Vol: 5.000 mL

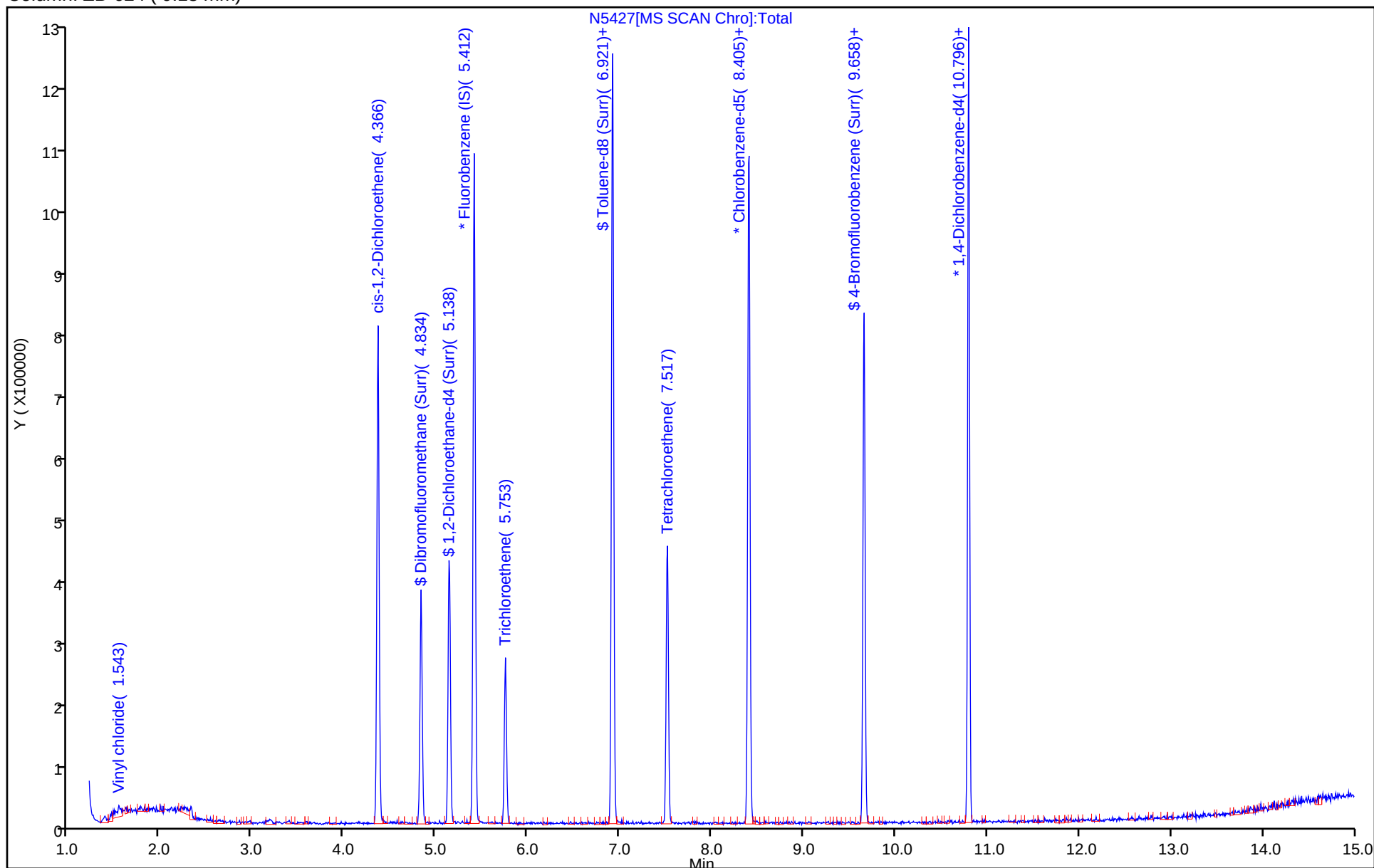
Dil. Factor: 200.0000

ALS Bottle#: 26

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5427.D

Injection Date: 28-Aug-2021 06:15:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-4

Lab Sample ID: 480-188804-4

Client ID: MW-3BR-082421

Operator ID: wd

ALS Bottle#: 26

Worklist Smp#: 26

Purge Vol: 5.000 mL

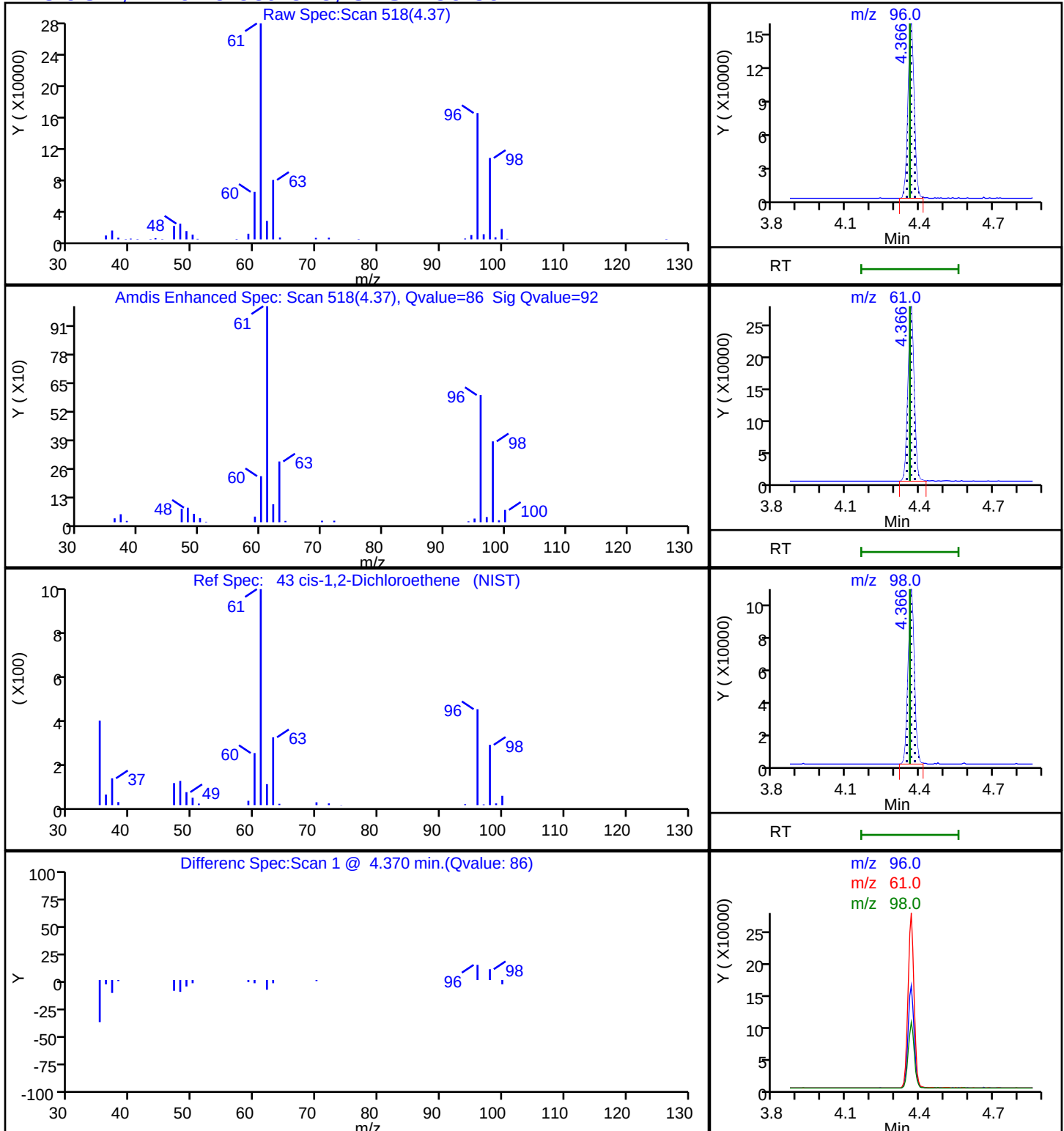
Dil. Factor: 200.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5427.D

Injection Date: 28-Aug-2021 06:15:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-4

Lab Sample ID: 480-188804-4

Client ID: MW-3BR-082421

Operator ID: wd

ALS Bottle#: 26

Worklist Smp#: 26

Purge Vol: 5.000 mL

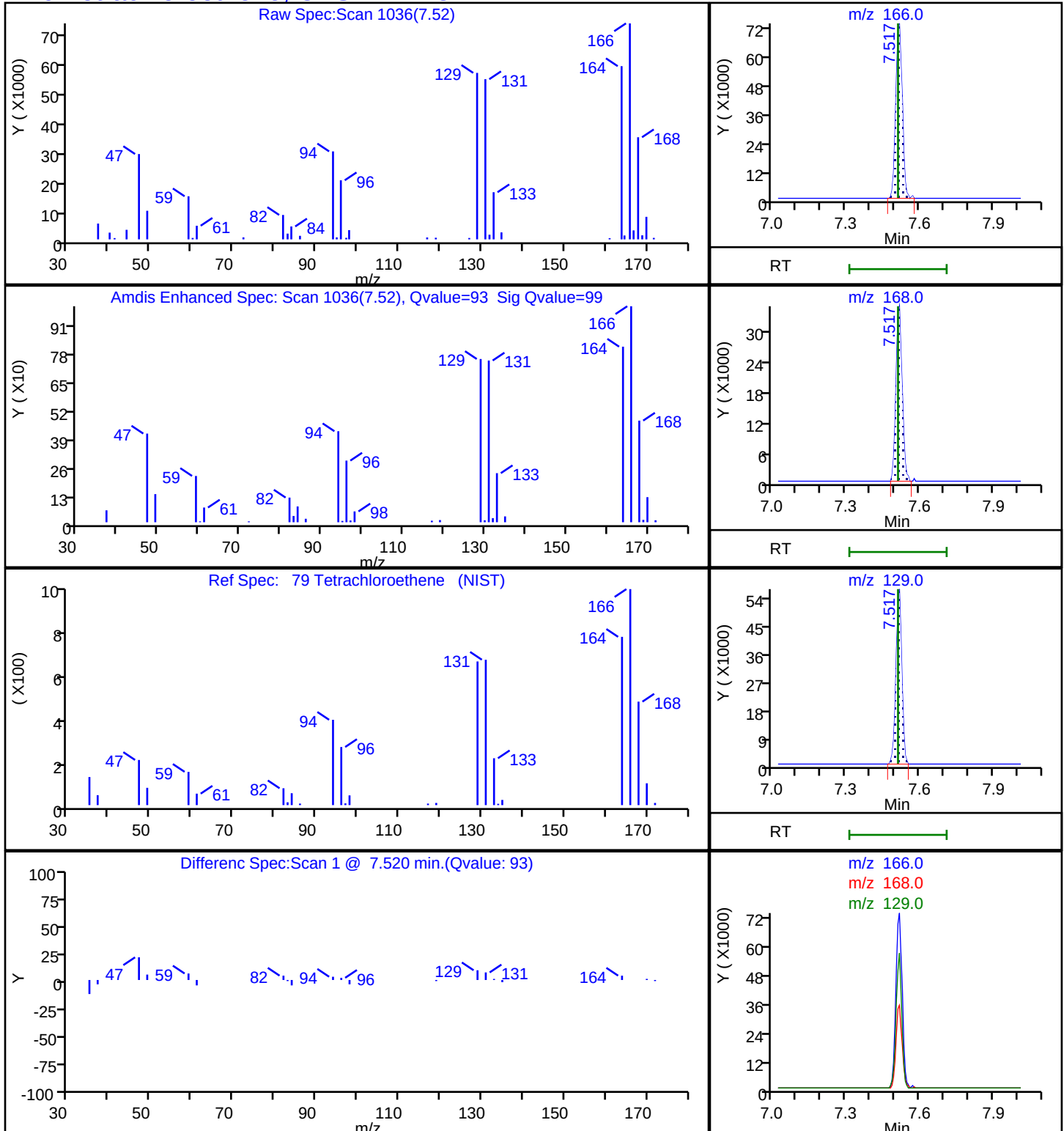
Dil. Factor: 200.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

79 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5427.D

Injection Date: 28-Aug-2021 06:15:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-4

Lab Sample ID: 480-188804-4

Client ID: MW-3BR-082421

Operator ID: wd

ALS Bottle#: 26

Worklist Smp#: 26

Purge Vol: 5.000 mL

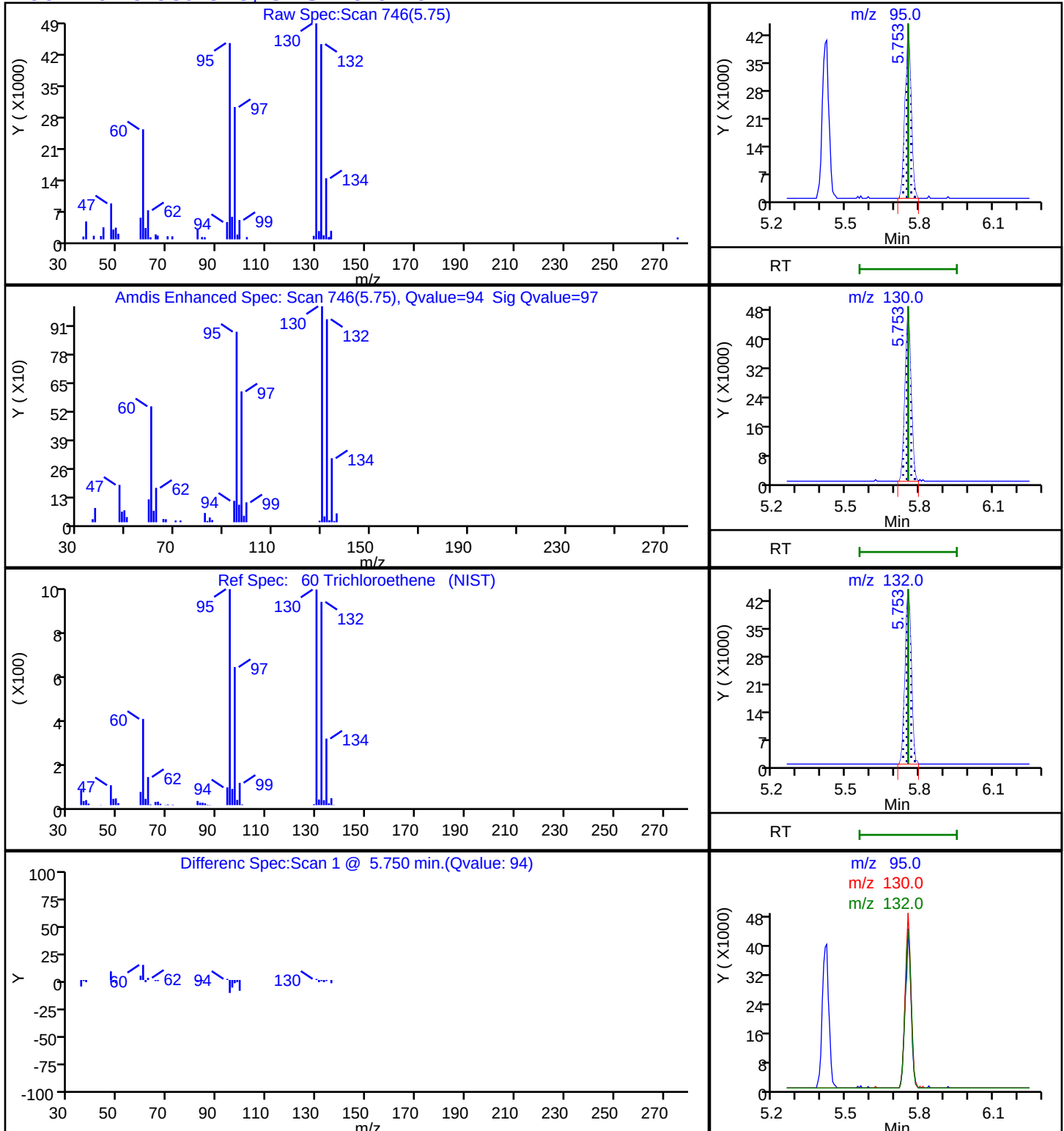
Dil. Factor: 200.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5427.D

Injection Date: 28-Aug-2021 06:15:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-4

Lab Sample ID: 480-188804-4

Client ID: MW-3BR-082421

Operator ID: wd

ALS Bottle#:

26

Worklist Smp#: 26

Purge Vol: 5.000 mL

Dil. Factor: 200.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

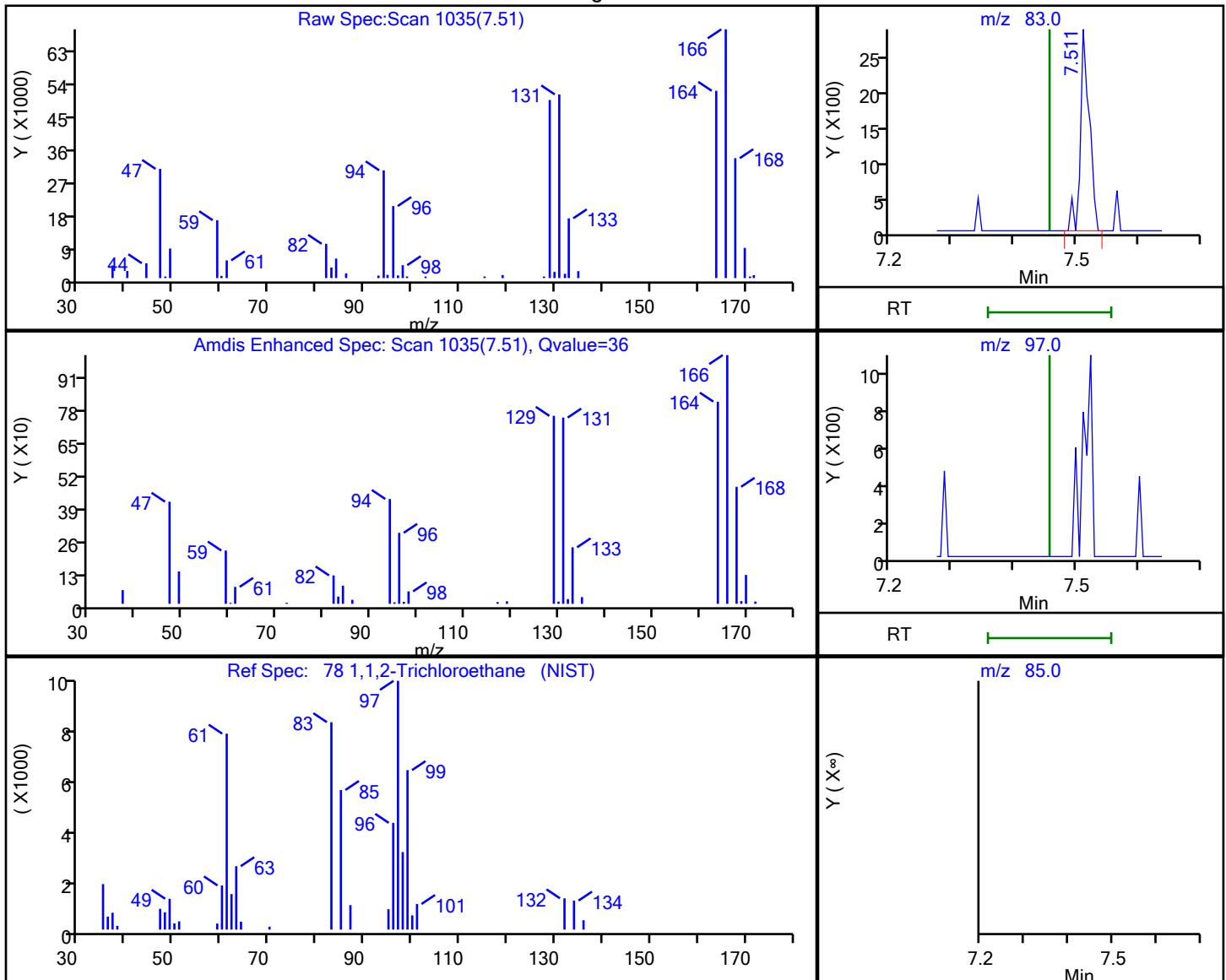
Column: ZB-624 (0.18 mm)

Detector

MS SCAN

78 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
7.51	83.00	2924	0.468780
7.46	97.00	0	
7.46	85.00	0	

Reviewer: dahnw, 30-Aug-2021 10:40:59

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.: 480-188804-1

SDG No.: _____

Client Sample ID: MW-2BR-082421 Lab Sample ID: 480-188804-5

Matrix: Water Lab File ID: N5428.D

Analysis Method: 8260C Date Collected: 08/24/2021 12:45

Sample wt/vol: 5 (mL) Date Analyzed: 08/28/2021 06:39

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.: 594406 Units: ug/L

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
79-00-5	1,1,2-Trichloroethane	ND		5.0	1.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6
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
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.0
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
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
124-48-1	Dibromochloromethane	ND		5.0	1.6
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	190		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
75-71-8	Dichlorodifluoromethane	ND		5.0	3.4
100-41-4	Ethylbenzene	ND		5.0	3.7
106-93-4	1,2-Dibromoethane	ND		5.0	3.7
98-82-8	Isopropylbenzene	ND		5.0	4.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1
 SDG No.: _____
 Client Sample ID: MW-2BR-082421 Lab Sample ID: 480-188804-5
 Matrix: Water Lab File ID: N5428.D
 Analysis Method: 8260C Date Collected: 08/24/2021 12:45
 Sample wt/vol: 5 (mL) Date Analyzed: 08/28/2021 06:39
 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.: 594406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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
100-42-5	Styrene	ND		5.0	3.7
127-18-4	Tetrachloroethene	44		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	16		5.0	2.3
75-69-4	Trichlorofluoromethane	ND		5.0	4.4
75-01-4	Vinyl chloride	15		5.0	4.5
1330-20-7	Xylenes, Total	ND		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	113		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5428.D
 Lims ID: 480-188804-B-5
 Client ID: MW-2BR-082421
 Sample Type: Client
 Inject. Date: 28-Aug-2021 06:39:30 ALS Bottle#: 27 Worklist Smp#: 27
 Purge Vol: 5.000 mL Dil. Factor: 5.0000
 Sample Info: 480-188804-B-5
 Misc. Info.: 480-0100657-027
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Aug-2021 10:43:30 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: CTX1656

First Level Reviewer: dahnw

Date: 30-Aug-2021 10:43:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.412	5.412	0.000	98	128794	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.406	-0.001	89	464095	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	96	265984	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	93	187196	28.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	97	219877	25.9	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	565495	24.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	89	177913	25.1	
11 Dichlorodifluoromethane	85		1.276				ND	
13 Chloromethane	50		1.452				ND	
14 Vinyl chloride	62	1.543	1.543	0.000	97	29195	3.02	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64		1.933				ND	
18 Trichlorofluoromethane	101		2.164				ND	
21 112TCTFE	101		2.644				ND	
22 1,1-Dichloroethene	96		2.669				ND	
23 Acetone	43		2.772				ND	
25 Carbon disulfide	76		2.869				ND	
28 Methyl acetate	43		3.070				ND	
30 Methylene Chloride	84		3.192				ND	
32 Methyl tert-butyl ether	73		3.380				ND	
33 trans-1,2-Dichloroethene	96		3.393				ND	
36 1,1-Dichloroethane	63		3.806				ND	
43 cis-1,2-Dichloroethene	96	4.366	4.360	0.006	86	291173	37.8	
44 2-Butanone (MEK)	43		4.403				ND	U
50 Chloroform	83		4.676				ND	
51 1,1,1-Trichloroethane	97		4.786				ND	
52 Cyclohexane	56		4.792				ND	7
53 Carbon tetrachloride	117		4.926				ND	
55 Benzene	78		5.139				ND	
57 1,2-Dichloroethane	62		5.212				ND	
60 Trichloroethene	95	5.753	5.753	0.000	84	21703	3.25	

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		5.990				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		7.456				ND	
79 Tetrachloroethene	166	7.511	7.511	0.000	94	60443	8.84	
82 2-Hexanone	43		7.688				ND	
83 Chlorodibromomethane	129		7.852				ND	
84 Ethylene Dibromide	107		7.955				ND	
85 Chlorobenzene	112		8.430				ND	
88 Ethylbenzene	91		8.521				ND	
90 m-Xylene & p-Xylene	106		8.643				ND	
91 o-Xylene	106		9.075				ND	
92 Styrene	104		9.105				ND	
93 Bromoform	173		9.355				ND	
95 Isopropylbenzene	105		9.458				ND	
98 1,1,2,2-Tetrachloroethane	83		9.866				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\20210827-100657.b\N5428.D

Injection Date: 28-Aug-2021 06:39:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-188804-B-5

Lab Sample ID: 480-188804-5

Worklist Smp#: 27

Client ID: MW-2BR-082421

Purge Vol: 5.000 mL

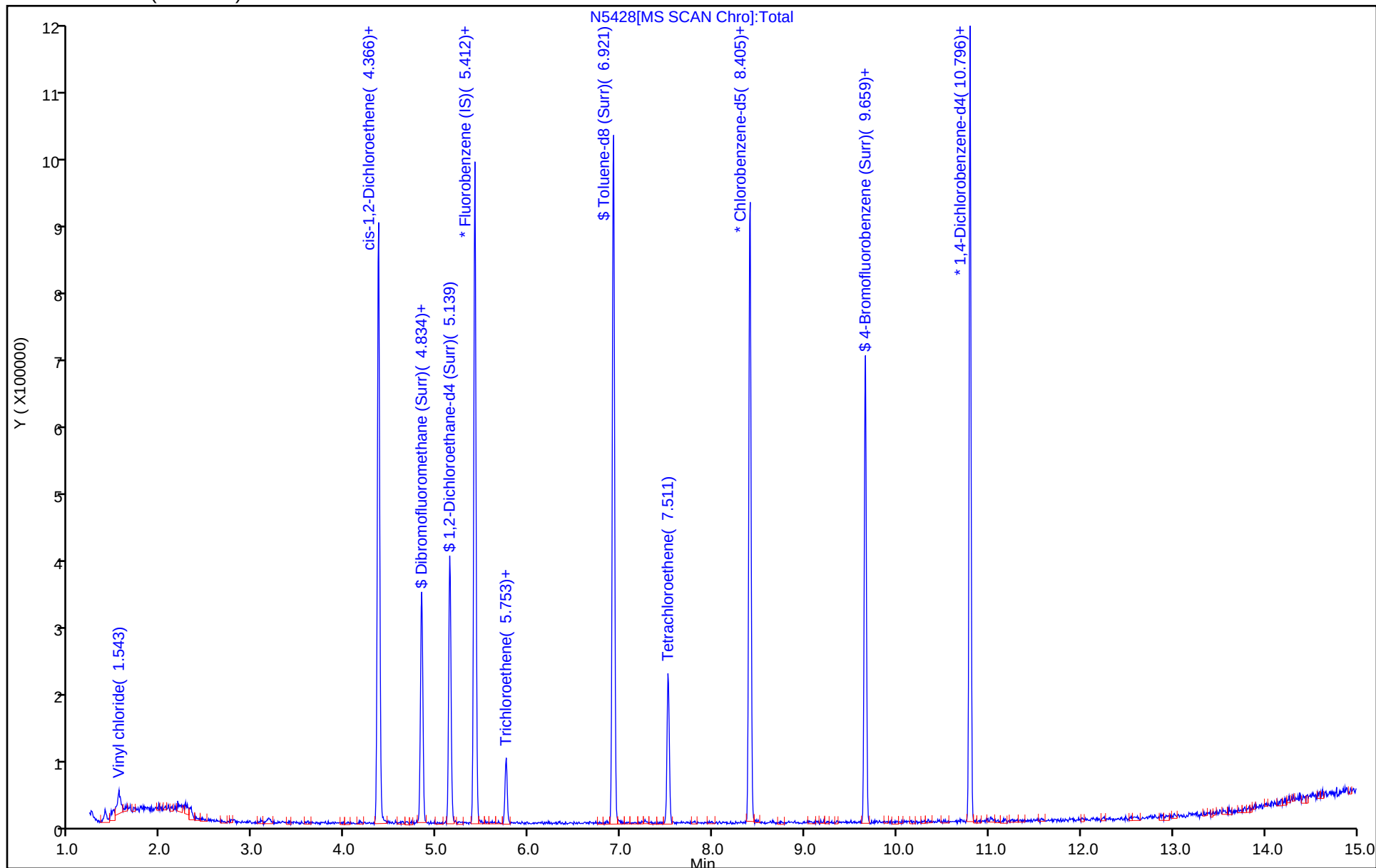
Dil. Factor: 5.0000

ALS Bottle#: 27

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5428.D

Injection Date: 28-Aug-2021 06:39:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-5

Lab Sample ID: 480-188804-5

Client ID: MW-2BR-082421

Operator ID: wd

ALS Bottle#: 27

Worklist Smp#: 27

Purge Vol: 5.000 mL

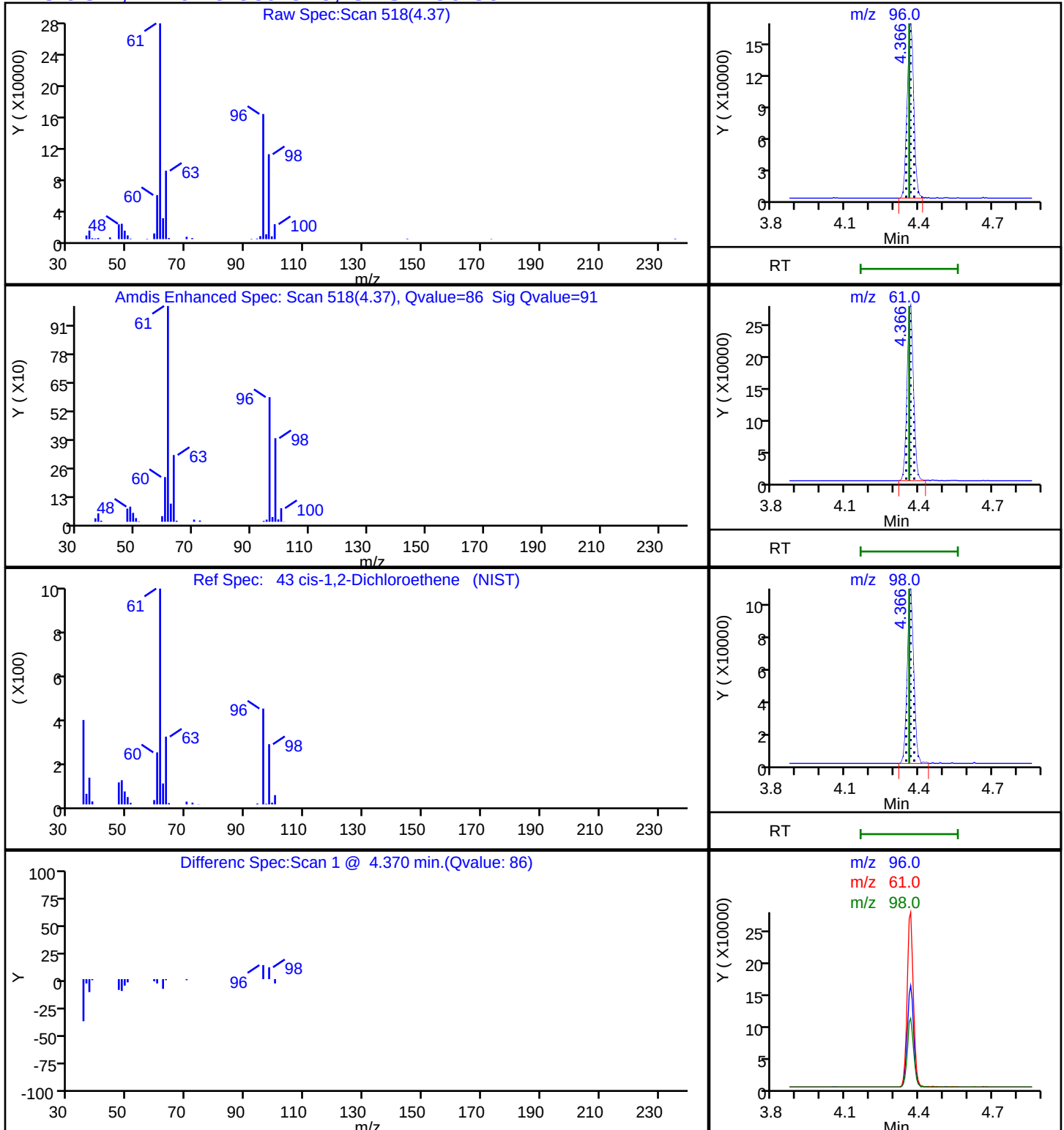
Dil. Factor: 5.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5428.D

Injection Date: 28-Aug-2021 06:39:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-5

Lab Sample ID: 480-188804-5

Client ID: MW-2BR-082421

Operator ID: wd

ALS Bottle#: 27

Worklist Smp#: 27

Purge Vol: 5.000 mL

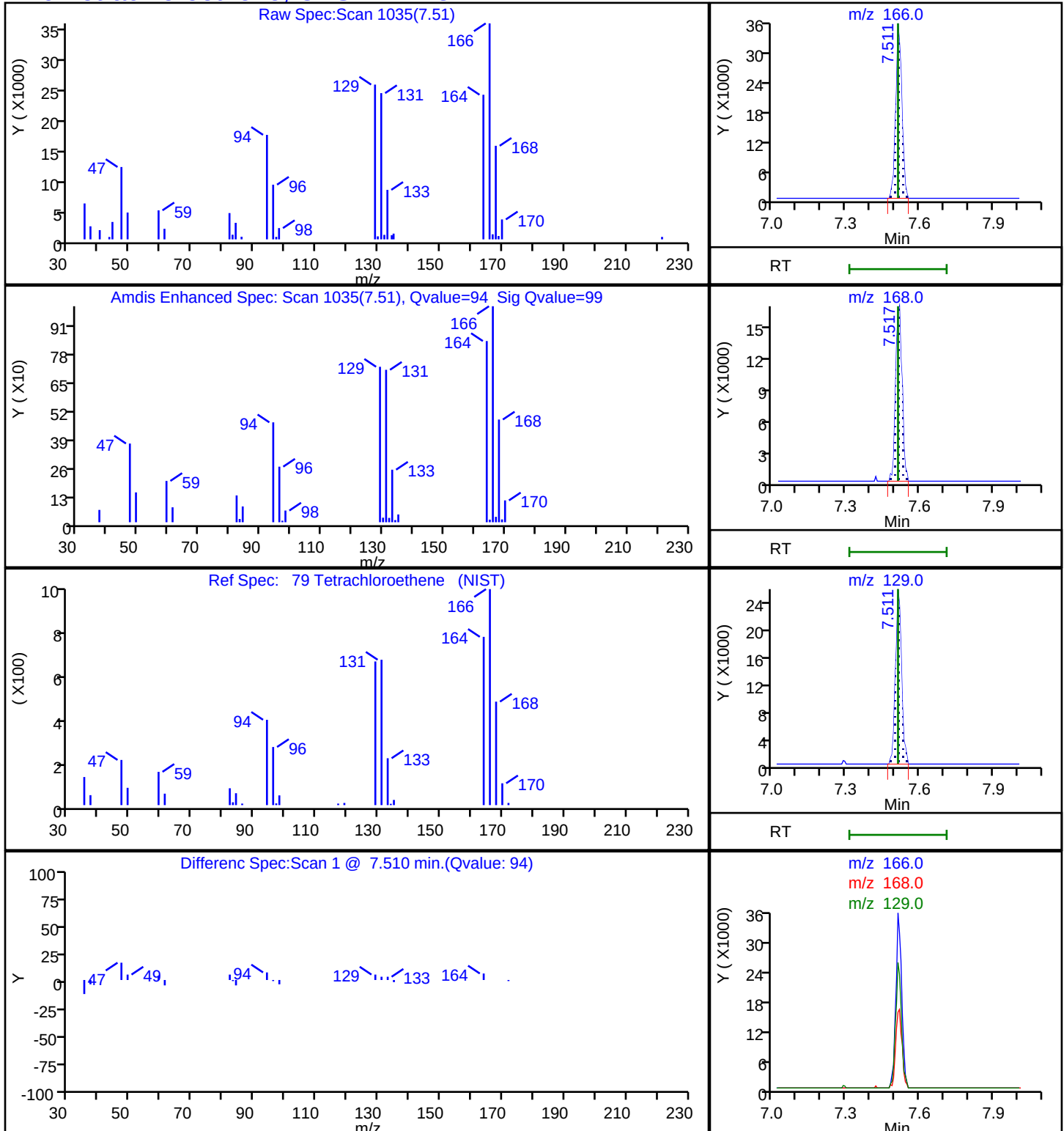
Dil. Factor: 5.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

79 Tetrachloroethene, CAS: 127-18-4

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5428.D

Injection Date: 28-Aug-2021 06:39:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-5

Lab Sample ID: 480-188804-5

Client ID: MW-2BR-082421

Operator ID: wd

ALS Bottle#: 27

Worklist Smp#: 27

Purge Vol: 5.000 mL

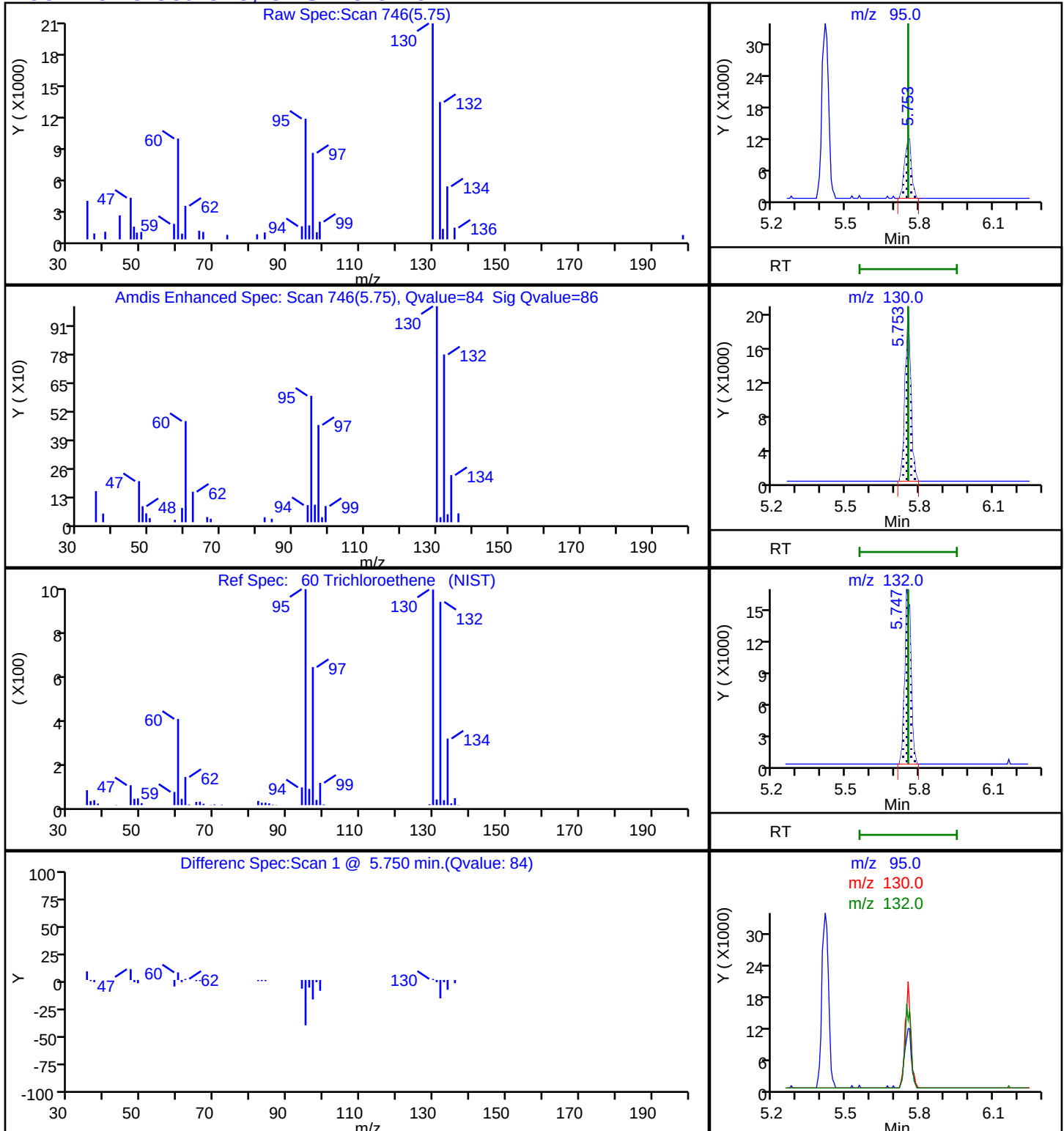
Dil. Factor: 5.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5428.D

Injection Date: 28-Aug-2021 06:39:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-5

Lab Sample ID: 480-188804-5

Client ID: MW-2BR-082421

Operator ID: wd

ALS Bottle#: 27

Worklist Smp#: 27

Purge Vol: 5.000 mL

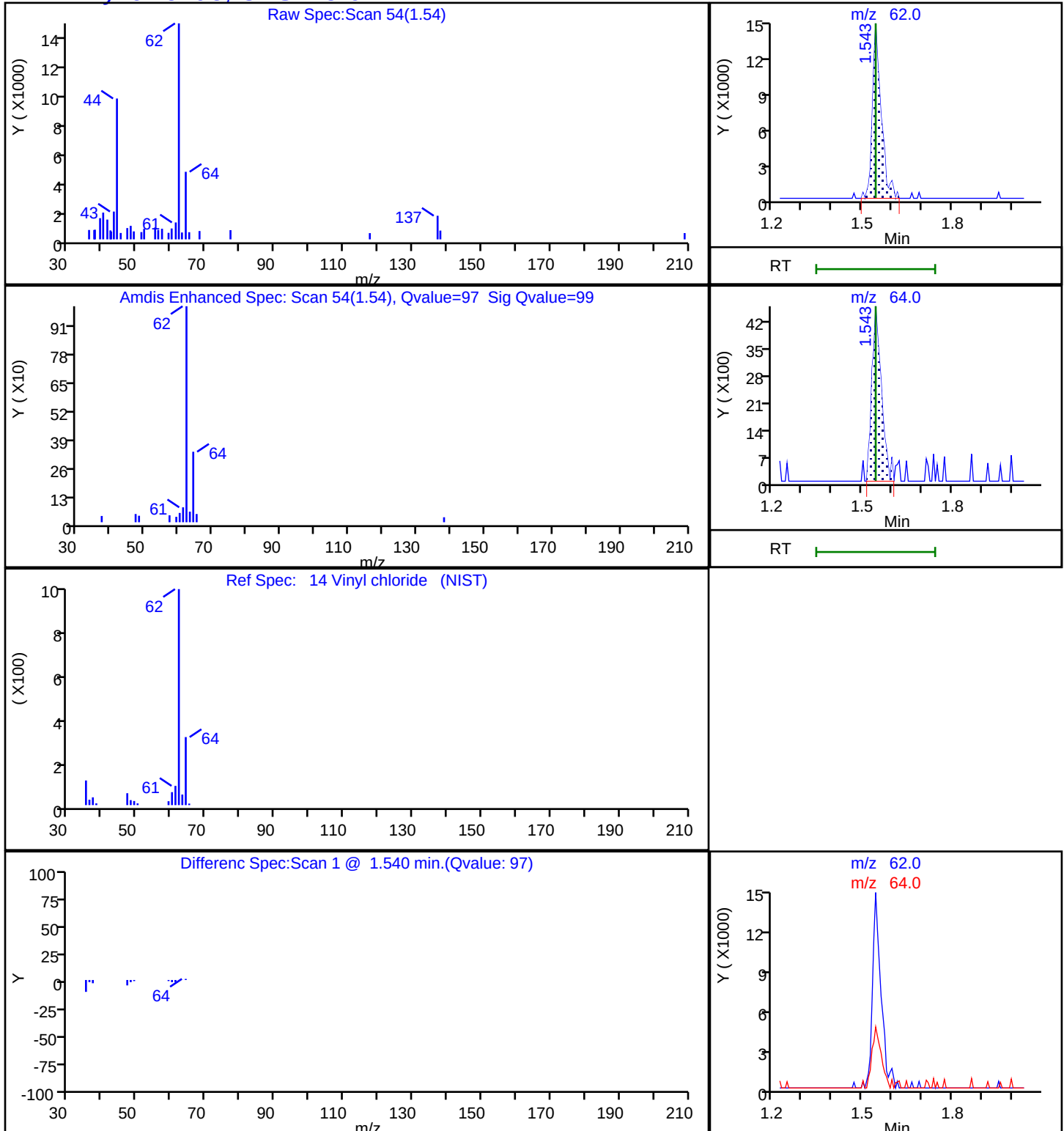
Dil. Factor: 5.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5428.D

Injection Date: 28-Aug-2021 06:39:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-5

Lab Sample ID: 480-188804-5

Client ID: MW-2BR-082421

Operator ID: wd

ALS Bottle#:

27

Worklist Smp#: 27

Purge Vol: 5.000 mL

Dil. Factor:

5.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

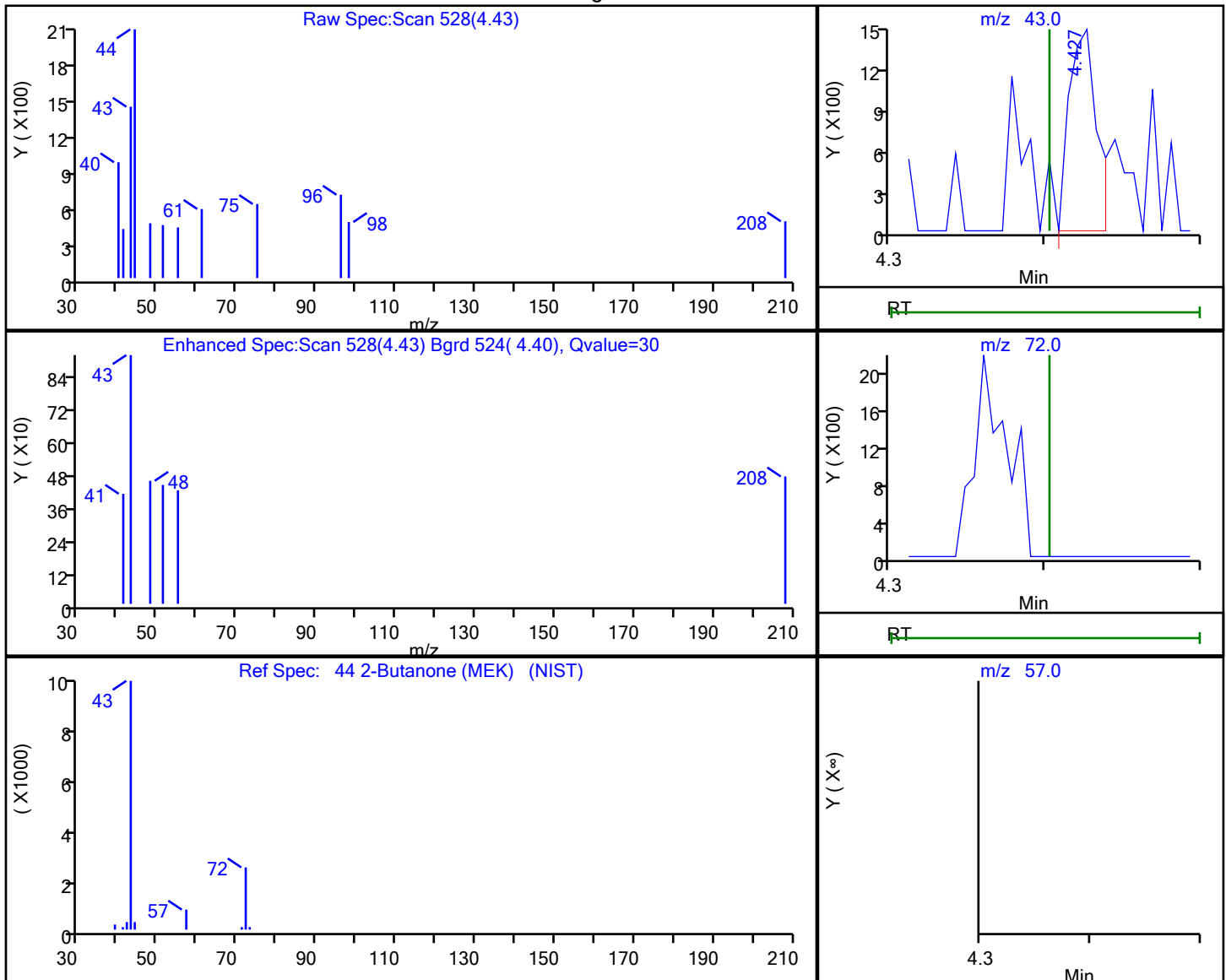
Column: ZB-624 (0.18 mm)

Detector

MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
4.43	43.00	1784	0.234140
4.40	72.00	0	
4.40	57.00	0	

Reviewer: dahnw, 30-Aug-2021 10:41:59

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5428.D

Injection Date: 28-Aug-2021 06:39:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-5

Lab Sample ID: 480-188804-5

Client ID: MW-2BR-082421

Operator ID: wd

ALS Bottle#:

27

Worklist Smp#: 27

Purge Vol: 5.000 mL

Dil. Factor:

5.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

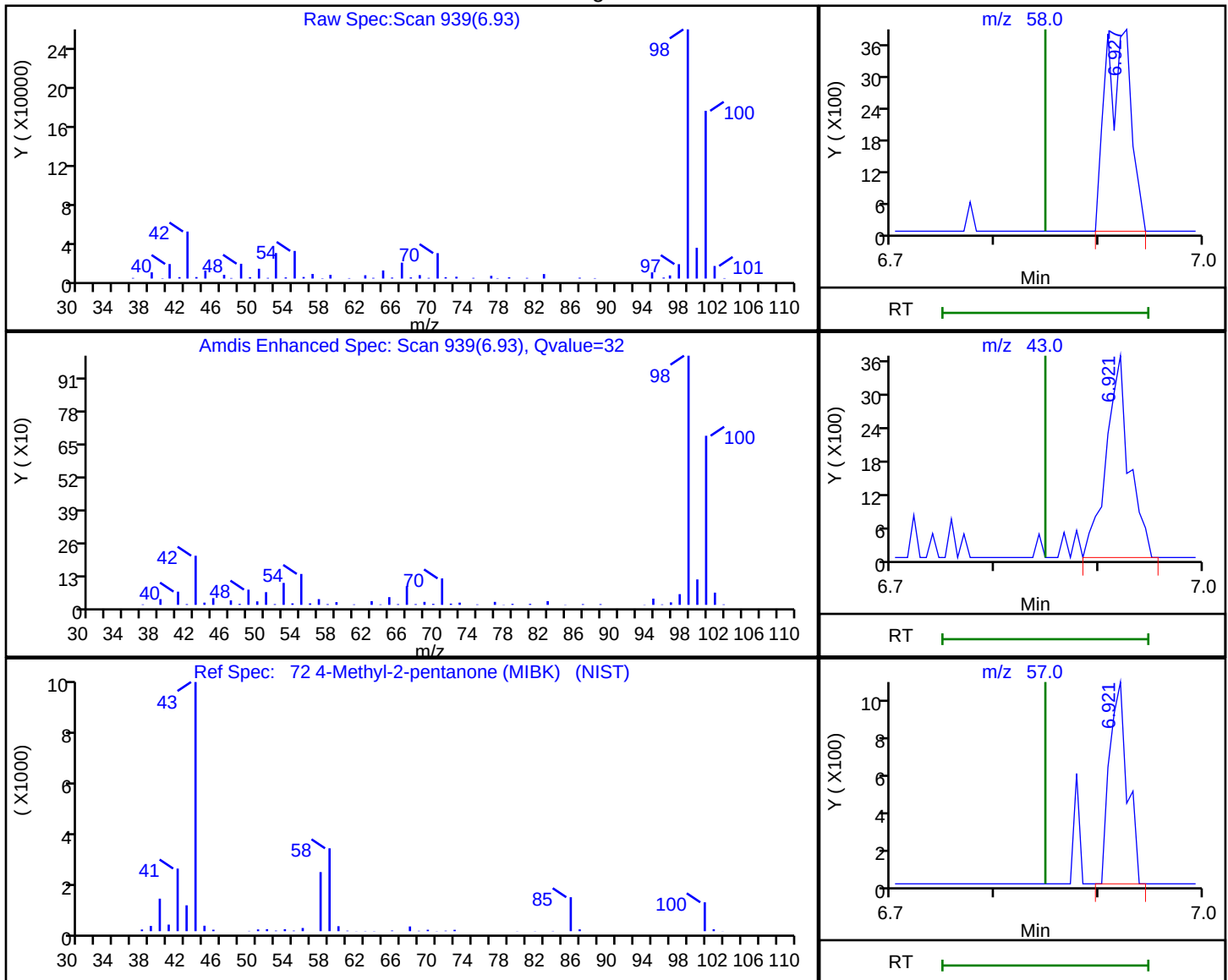
Column: ZB-624 (0.18 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.93	58.00	6427	1.350457
6.92	43.00	5564	
6.92	57.00	1212	

Reviewer: dahnw, 30-Aug-2021 10:42:11

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.: 480-188804-1

SDG No.: _____

Client Sample ID: MW-5BR-082421 Lab Sample ID: 480-188804-6

Matrix: Water Lab File ID: N5429.D

Analysis Method: 8260C Date Collected: 08/24/2021 13:10

Sample wt/vol: 5 (mL) Date Analyzed: 08/28/2021 07:02

Soil Aliquot Vol: _____ Dilution Factor: 125

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

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

Analysis Batch No.: 594406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		130	100
79-34-5	1,1,2,2-Tetrachloroethane	ND		130	26
79-00-5	1,1,2-Trichloroethane	ND		130	29
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		130	39
75-34-3	1,1-Dichloroethane	ND		130	48
75-35-4	1,1-Dichloroethene	ND		130	36
120-82-1	1,2,4-Trichlorobenzene	ND		130	51
96-12-8	1,2-Dibromo-3-Chloropropane	ND		130	49
95-50-1	1,2-Dichlorobenzene	ND		130	99
107-06-2	1,2-Dichloroethane	ND		130	26
78-87-5	1,2-Dichloropropane	ND		130	90
541-73-1	1,3-Dichlorobenzene	ND		130	98
106-46-7	1,4-Dichlorobenzene	ND		130	110
78-93-3	2-Butanone (MEK)	ND		1300	170
591-78-6	2-Hexanone	ND		630	160
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		630	260
67-64-1	Acetone	ND		1300	380
71-43-2	Benzene	ND		130	51
75-27-4	Bromodichloromethane	ND		130	49
75-25-2	Bromoform	ND		130	33
74-83-9	Bromomethane	ND		130	86
75-15-0	Carbon disulfide	ND		130	24
56-23-5	Carbon tetrachloride	ND		130	34
108-90-7	Chlorobenzene	ND		130	94
124-48-1	Dibromochloromethane	ND		130	40
75-00-3	Chloroethane	ND		130	40
67-66-3	Chloroform	ND		130	43
74-87-3	Chloromethane	ND		130	44
156-59-2	cis-1,2-Dichloroethene	4700		130	100
10061-01-5	cis-1,3-Dichloropropene	ND		130	45
110-82-7	Cyclohexane	ND		130	23
75-71-8	Dichlorodifluoromethane	ND		130	85
100-41-4	Ethylbenzene	ND		130	93
106-93-4	1,2-Dibromoethane	ND		130	91
98-82-8	Isopropylbenzene	ND		130	99

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1
 SDG No.: _____
 Client Sample ID: MW-5BR-082421 Lab Sample ID: 480-188804-6
 Matrix: Water Lab File ID: N5429.D
 Analysis Method: 8260C Date Collected: 08/24/2021 13:10
 Sample wt/vol: 5 (mL) Date Analyzed: 08/28/2021 07:02
 Soil Aliquot Vol: _____ Dilution Factor: 125
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 594406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		310	160
1634-04-4	Methyl tert-butyl ether	ND		130	20
108-87-2	Methylcyclohexane	ND		130	20
75-09-2	Methylene Chloride	ND		130	55
100-42-5	Styrene	ND		130	91
127-18-4	Tetrachloroethene	ND		130	45
108-88-3	Toluene	ND		130	64
156-60-5	trans-1,2-Dichloroethene	ND		130	110
10061-02-6	trans-1,3-Dichloropropene	ND		130	46
79-01-6	Trichloroethene	ND		130	58
75-69-4	Trichlorofluoromethane	ND		130	110
75-01-4	Vinyl chloride	ND		130	110
1330-20-7	Xylenes, Total	ND		250	83

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5429.D
 Lims ID: 480-188804-B-6
 Client ID: MW-5BR-082421
 Sample Type: Client
 Inject. Date: 28-Aug-2021 07:02:30 ALS Bottle#: 28 Worklist Smp#: 28
 Purge Vol: 5.000 mL Dil. Factor: 125.0000
 Sample Info: 480-188804-B-6
 Misc. Info.: 480-0100657-028
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Aug-2021 10:44:02 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: CTX1656

First Level Reviewer: dahnw

Date: 30-Aug-2021 10:44:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.412	5.412	0.000	98	150290	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.406	-0.001	89	559645	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	95	300784	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	92	193433	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.145	5.139	0.005	97	249463	25.2	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	95	679709	24.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	89	205679	24.0	
11 Dichlorodifluoromethane	85		1.276				ND	
13 Chloromethane	50		1.452				ND	7
14 Vinyl chloride	62	1.555	1.543	0.012	23	4825	0.4277	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64		1.933				ND	
18 Trichlorofluoromethane	101		2.164				ND	
21 112TCTFE	101		2.644				ND	
22 1,1-Dichloroethene	96		2.669				ND	
23 Acetone	43		2.772				ND	
25 Carbon disulfide	76		2.869				ND	
28 Methyl acetate	43		3.070				ND	
30 Methylene Chloride	84		3.192				ND	
32 Methyl tert-butyl ether	73		3.380				ND	
33 trans-1,2-Dichloroethene	96	3.392	3.393	-0.001	94	2044	0.2567	
36 1,1-Dichloroethane	63		3.806				ND	
43 cis-1,2-Dichloroethene	96	4.366	4.360	0.006	86	336604	37.5	
44 2-Butanone (MEK)	43		4.403				ND	U
50 Chloroform	83		4.676				ND	
51 1,1,1-Trichloroethane	97		4.786				ND	
52 Cyclohexane	56		4.792				ND	
53 Carbon tetrachloride	117		4.926				ND	
55 Benzene	78		5.139				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		5.990				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		7.456				ND	
79 Tetrachloroethene	166		7.511				ND	
82 2-Hexanone	43		7.688				ND	
83 Chlorodibromomethane	129		7.852				ND	
84 Ethylene Dibromide	107		7.955				ND	
85 Chlorobenzene	112		8.430				ND	
88 Ethylbenzene	91		8.521				ND	
90 m-Xylene & p-Xylene	106		8.643				ND	
91 o-Xylene	106		9.075				ND	
92 Styrene	104		9.105				ND	
93 Bromoform	173		9.355				ND	
95 Isopropylbenzene	105		9.458				ND	
98 1,1,2,2-Tetrachloroethane	83		9.866				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\20210827-100657.b\N5429.D

Injection Date: 28-Aug-2021 07:02:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-188804-B-6

Lab Sample ID: 480-188804-6

Worklist Smp#: 28

Client ID: MW-5BR-082421

Purge Vol: 5.000 mL

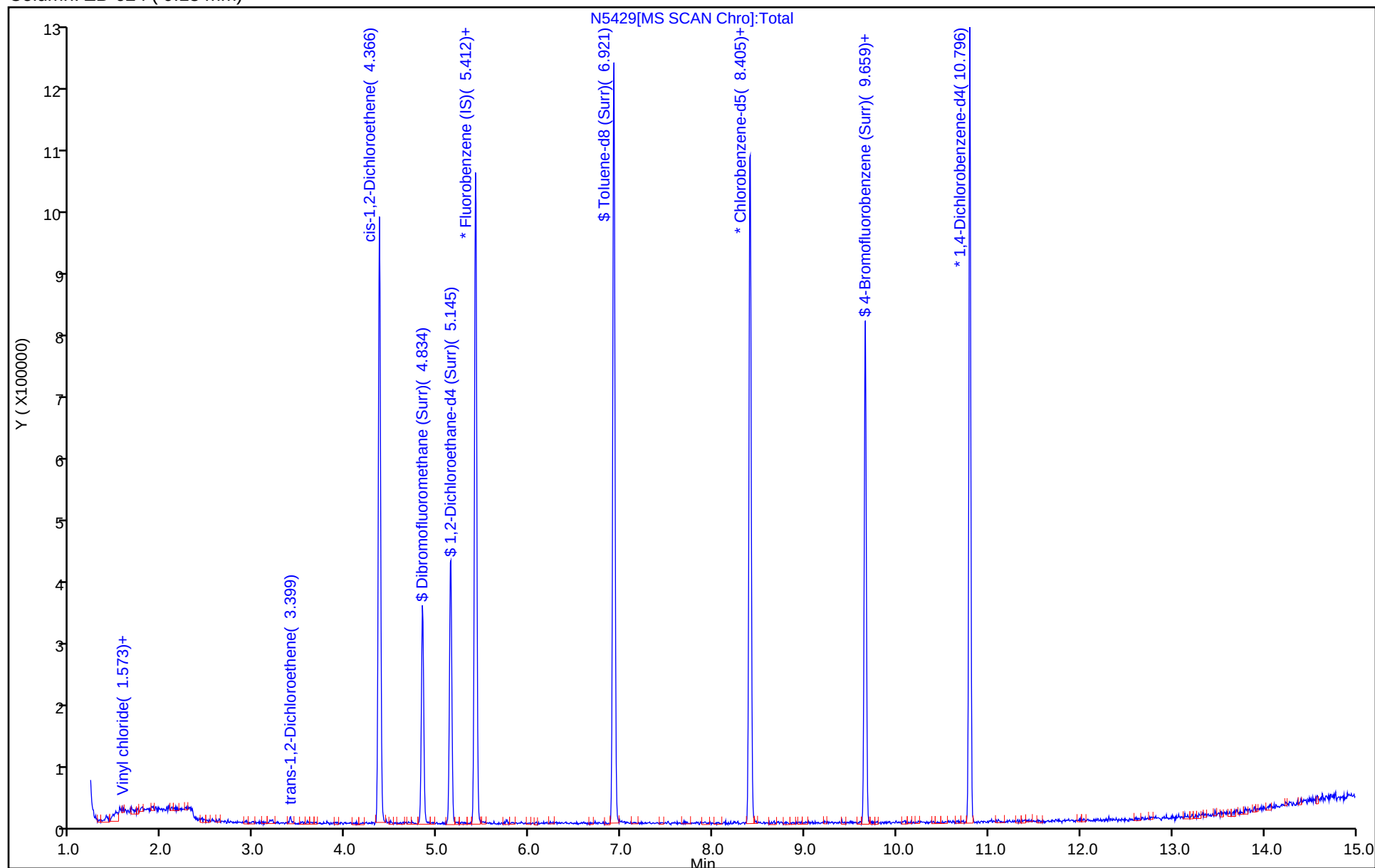
Dil. Factor: 125.0000

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\20210827-100657.b\N5429.D

Injection Date: 28-Aug-2021 07:02:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-6

Lab Sample ID: 480-188804-6

Client ID: MW-5BR-082421

Operator ID: wd

ALS Bottle#: 28

Worklist Smp#: 28

Purge Vol: 5.000 mL

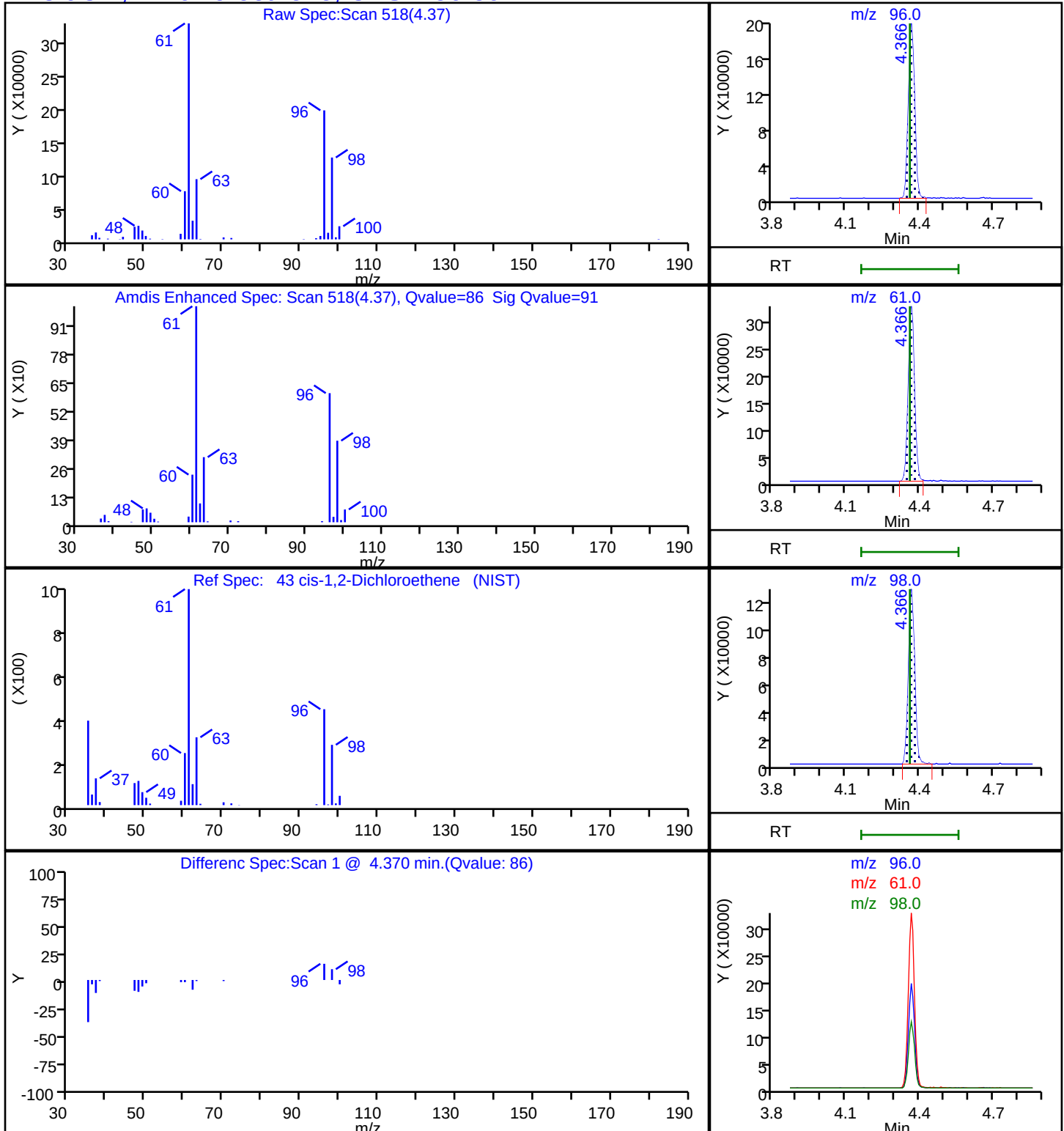
Dil. Factor: 125.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5429.D

Injection Date: 28-Aug-2021 07:02:30

Instrument ID: HP5973N

Lims ID: 480-188804-B-6

Lab Sample ID: 480-188804-6

Client ID: MW-5BR-082421

Operator ID: wd

ALS Bottle#:

28

Worklist Smp#: 28

Purge Vol: 5.000 mL

Dil. Factor: 125.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

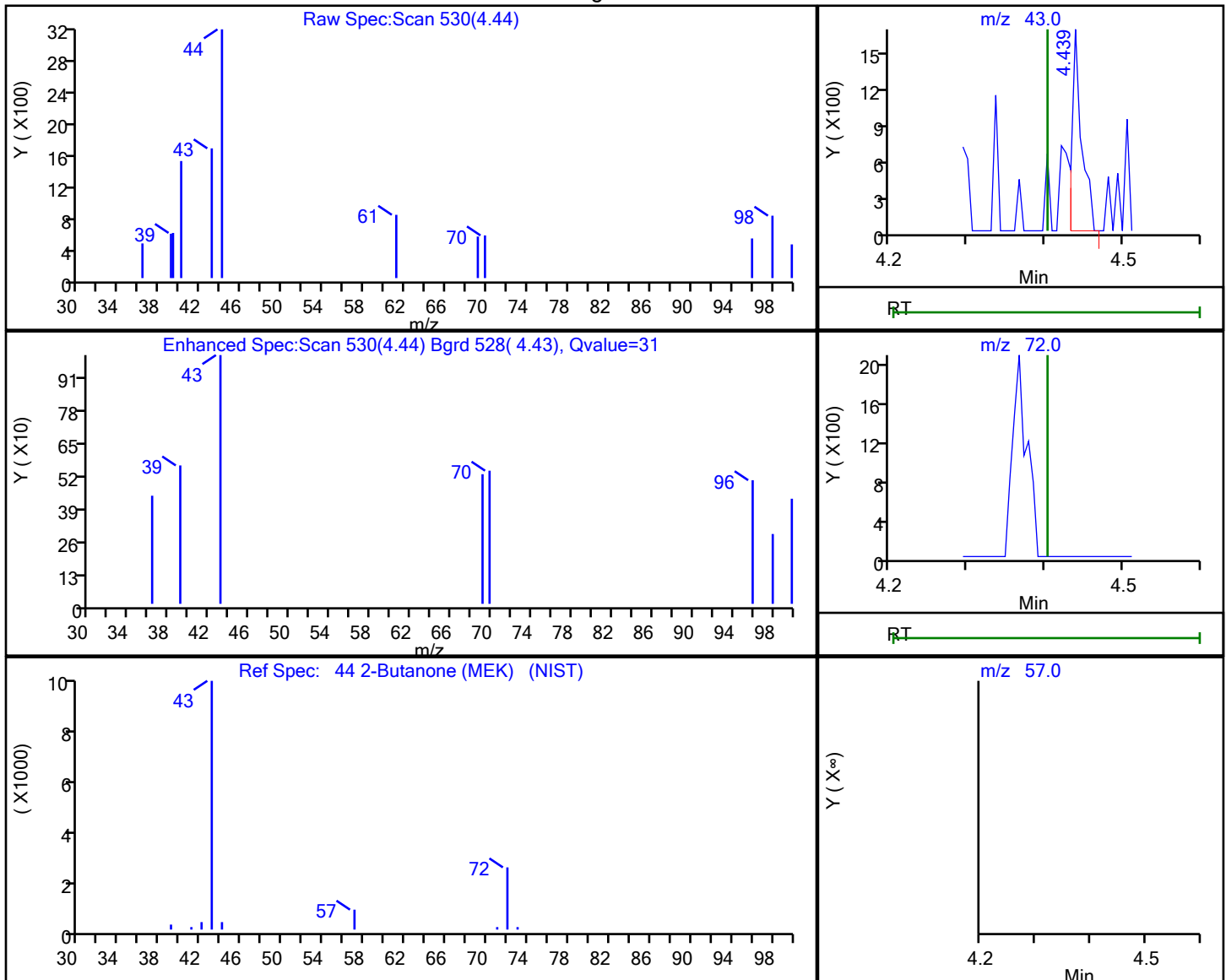
Column: ZB-624 (0.18 mm)

Detector

MS SCAN

44 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
4.44	43.00	1372	0.154312
4.40	72.00	0	
4.40	57.00	0	

Reviewer: dahnw, 30-Aug-2021 10:43:50

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.: 480-188804-1 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.: 480-188804-1 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.: 480-188804-1 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.: 480-188804-1 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.: 480-188804-1 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.: 480-188804-1 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.: 480-188804-1 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.: 480-188804-1 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.: 480-188804-1 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.: 480-188804-1 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.: 480-188804-1 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.: 480-188804-1 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.: 480-188804-1 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.: 480-188804-1 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 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	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.: 480-188804-1 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
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.: 480-188804-1 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
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.: 480-188804-1 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.: 480-188804-1 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

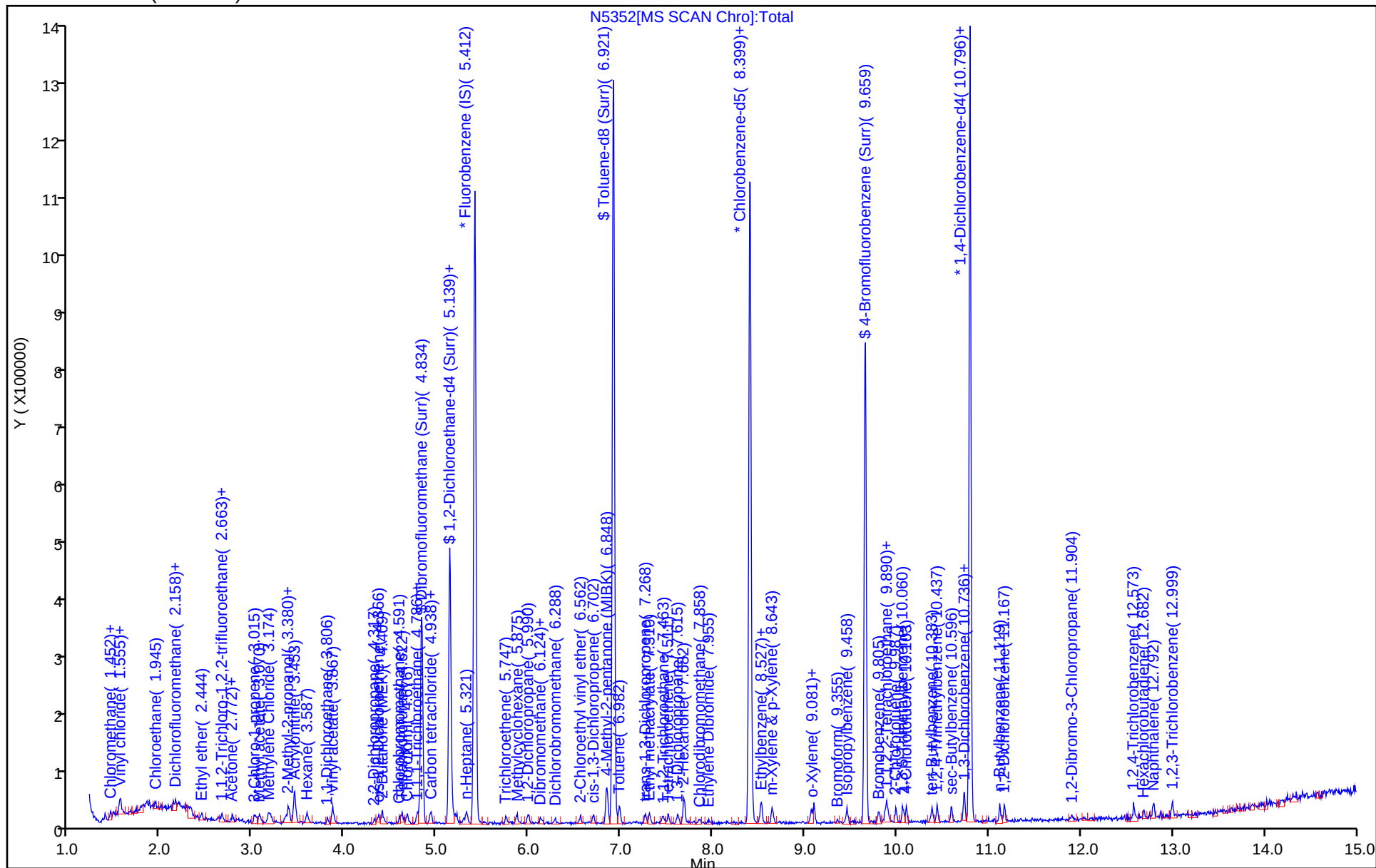
Dil. Factor: 1.0000

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

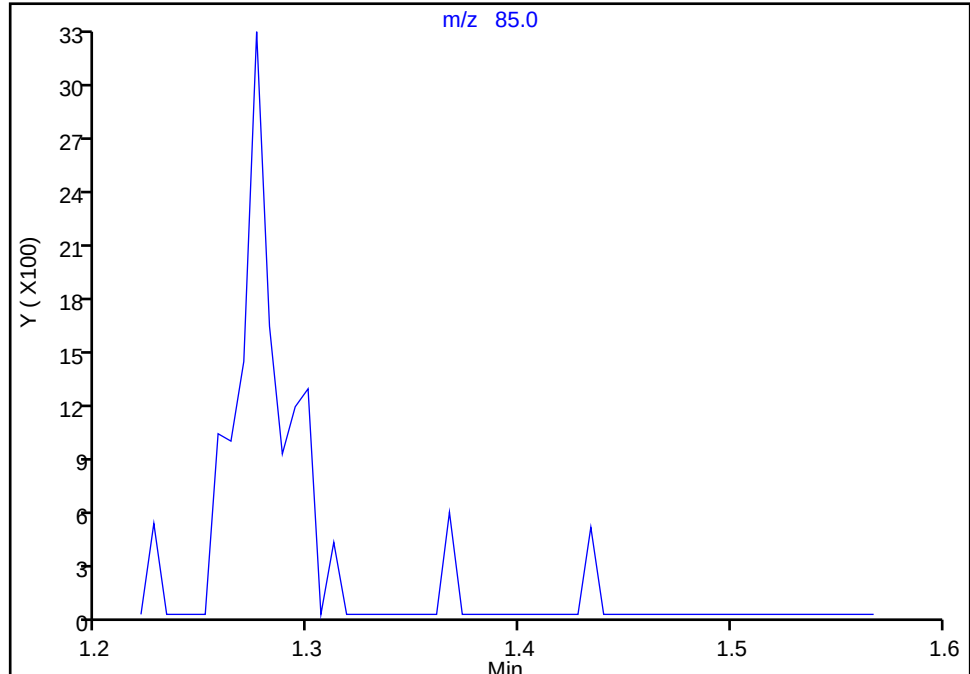
11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

Not Detected

Expected RT: 1.28

Processing Integration Results



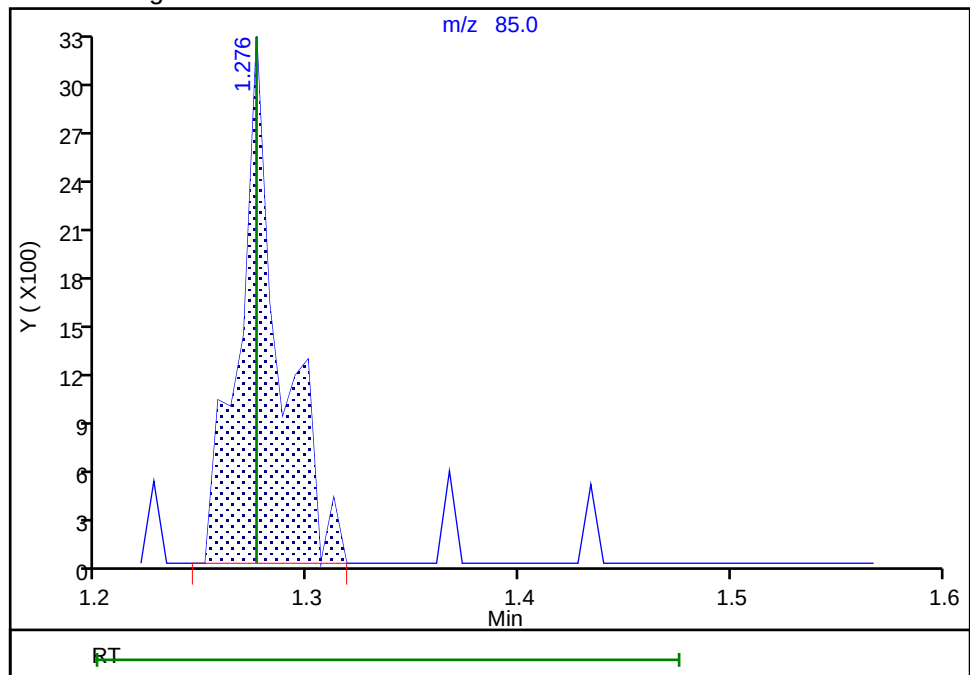
RT: 1.28

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)

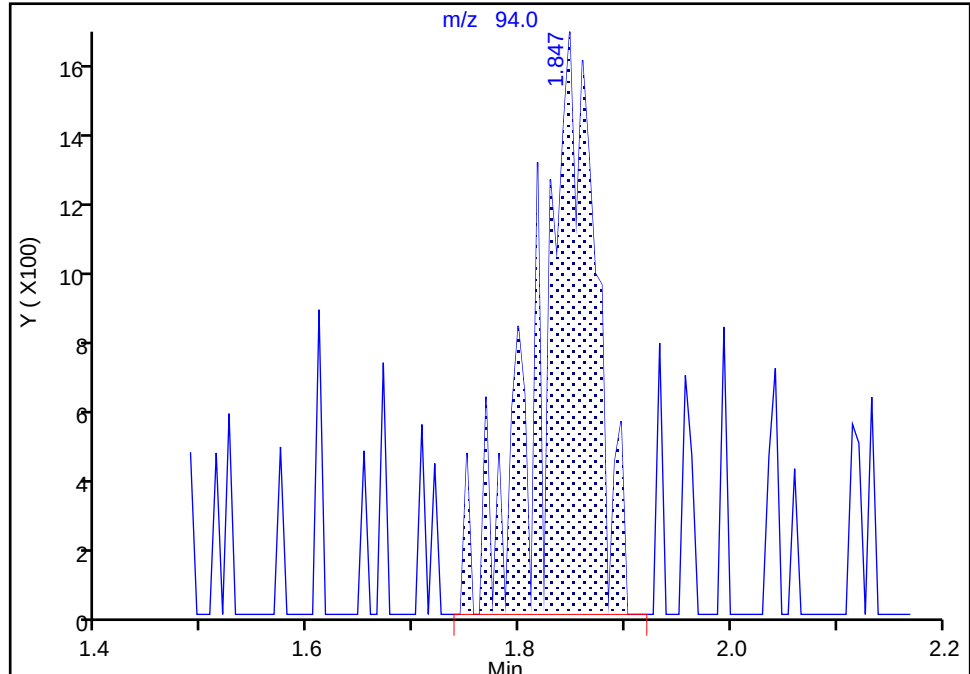
Detector: MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

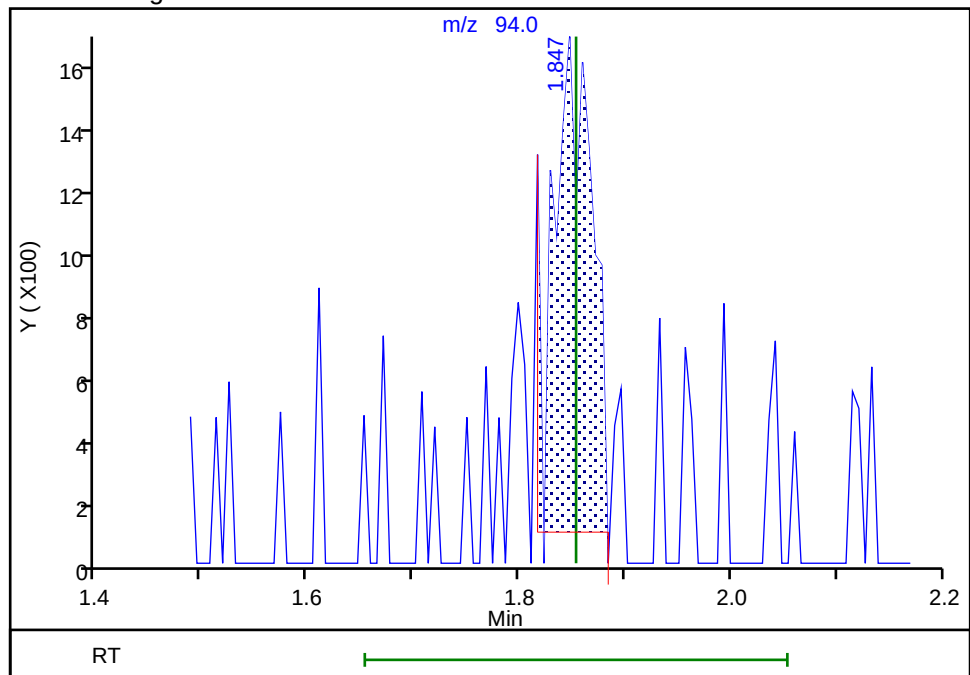
RT: 1.85
Area: 6209
Amount: 0.601963
Amount Units: ug/L

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

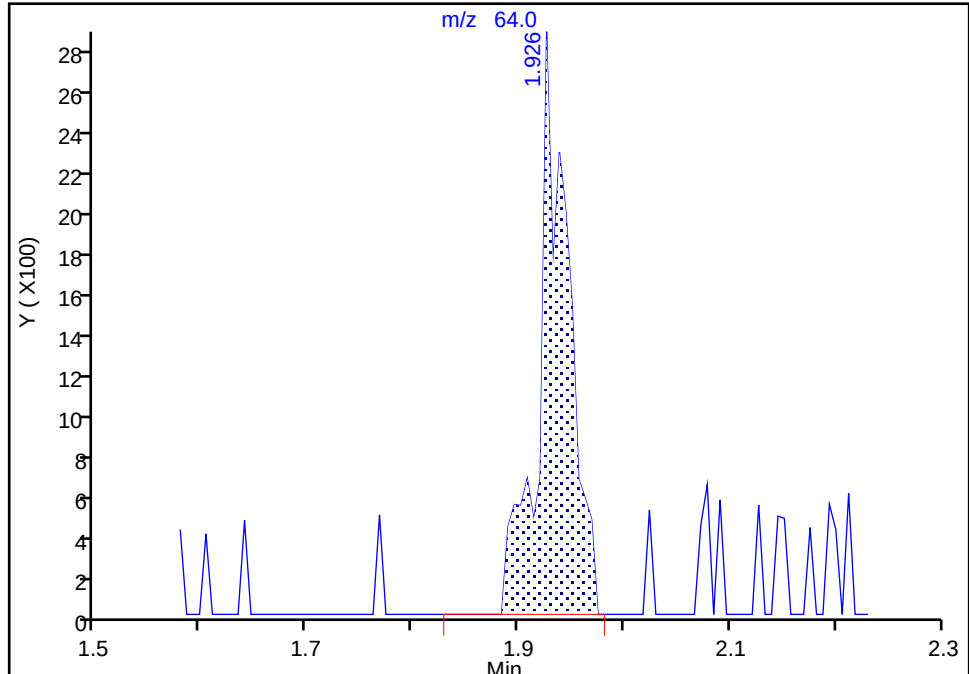
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

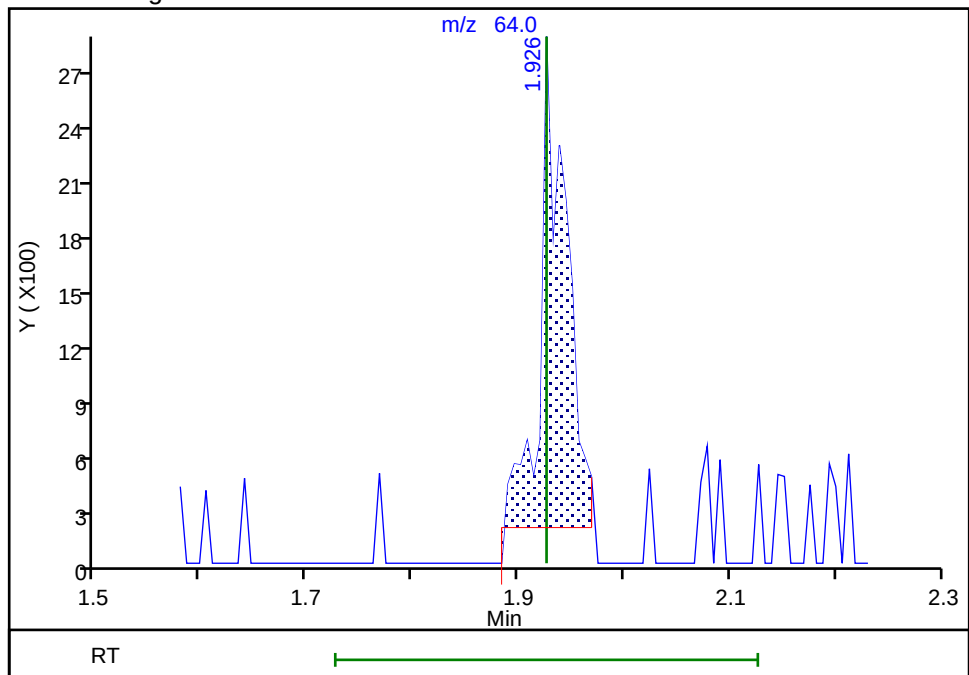
RT: 1.93
Area: 5661
Amount: 0.556763
Amount Units: ug/L

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
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Eurofins TestAmerica, Buffalo

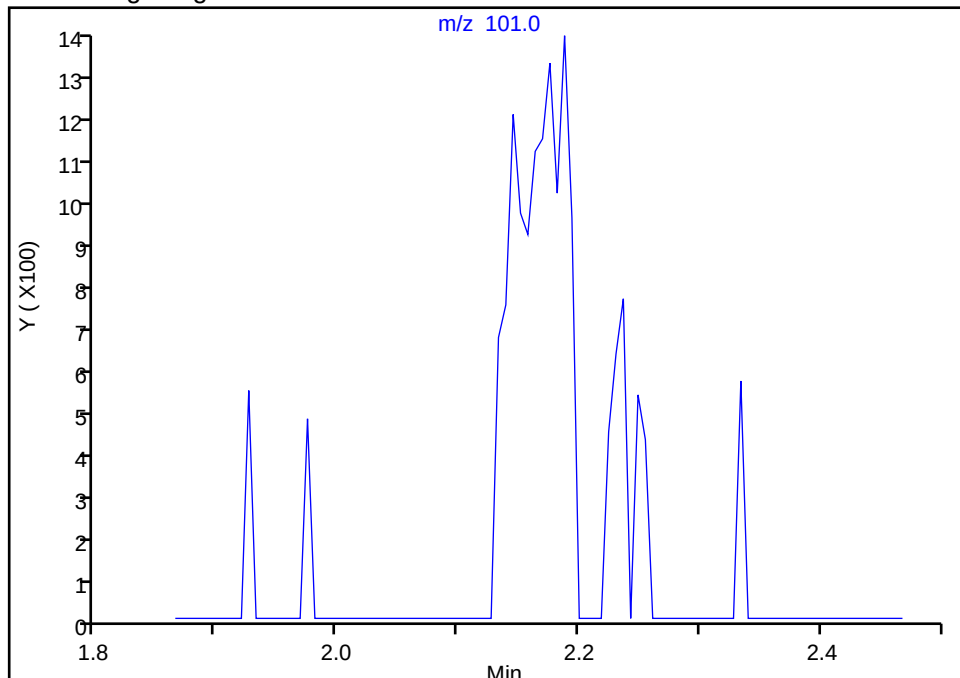
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

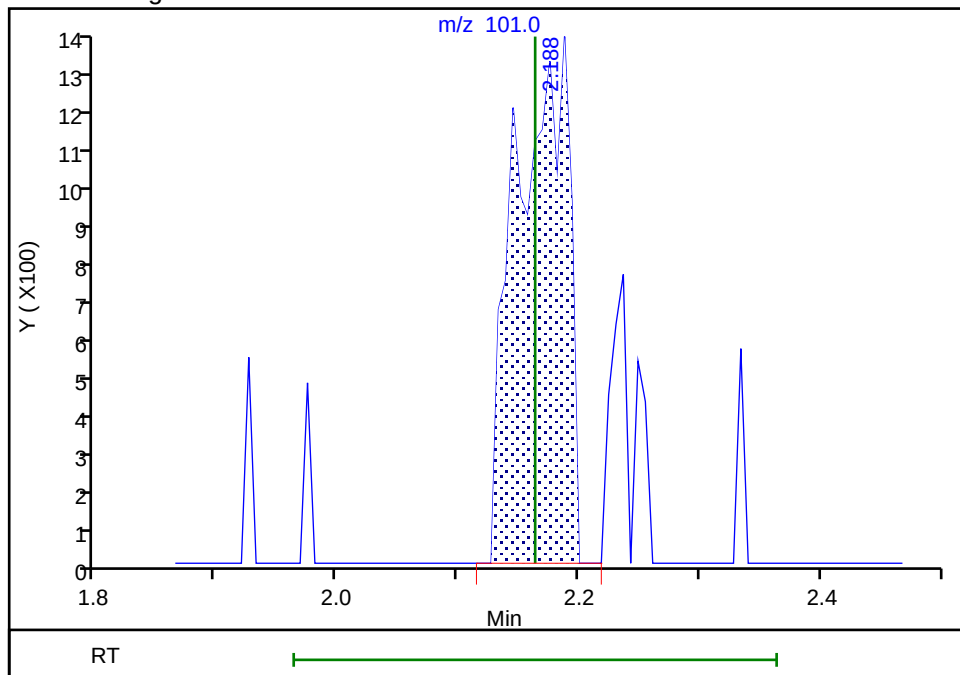
Not Detected
Expected RT: 2.16

Processing Integration Results



RT: 2.19
Area: 4027
Amount: 0.341102
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:35:37
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

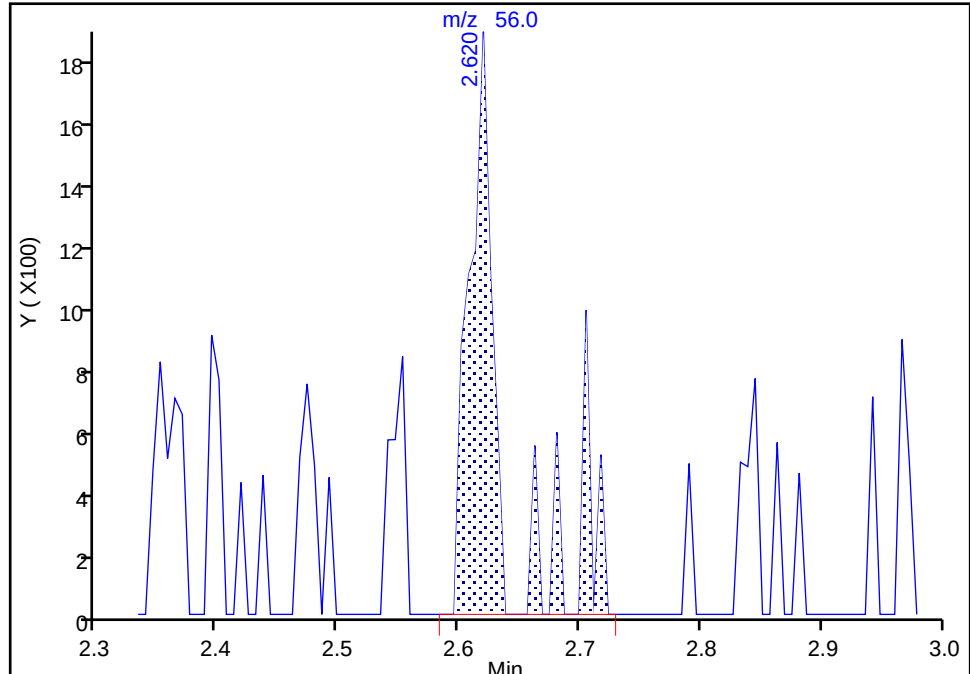
MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

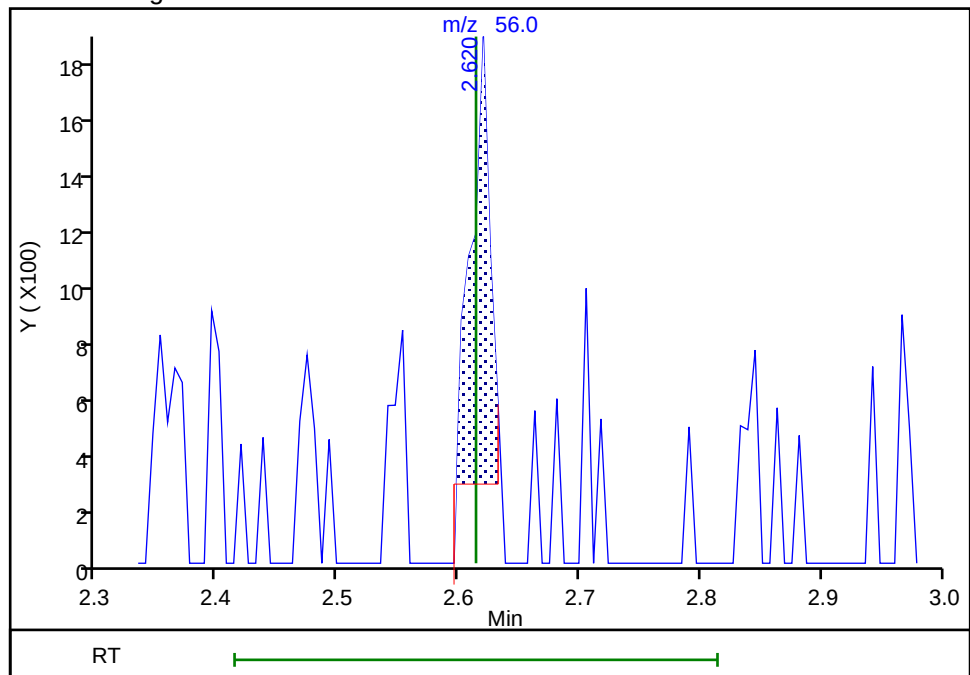
RT: 2.62
Area: 3339
Amount: 4.194902
Amount Units: ug/L

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

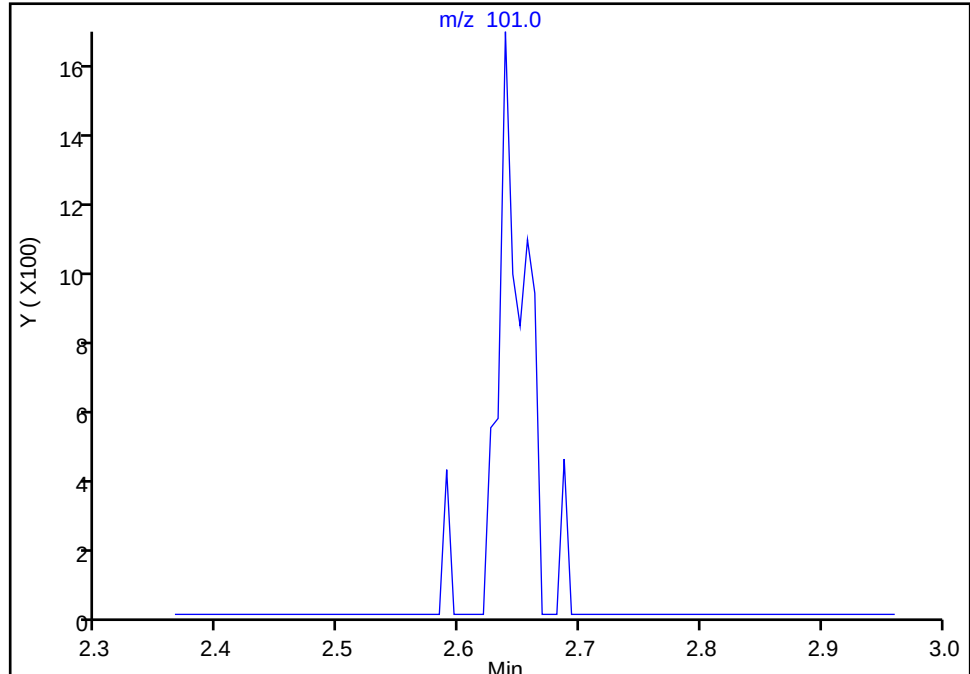
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

21 112TCTFE, CAS: 76-13-1

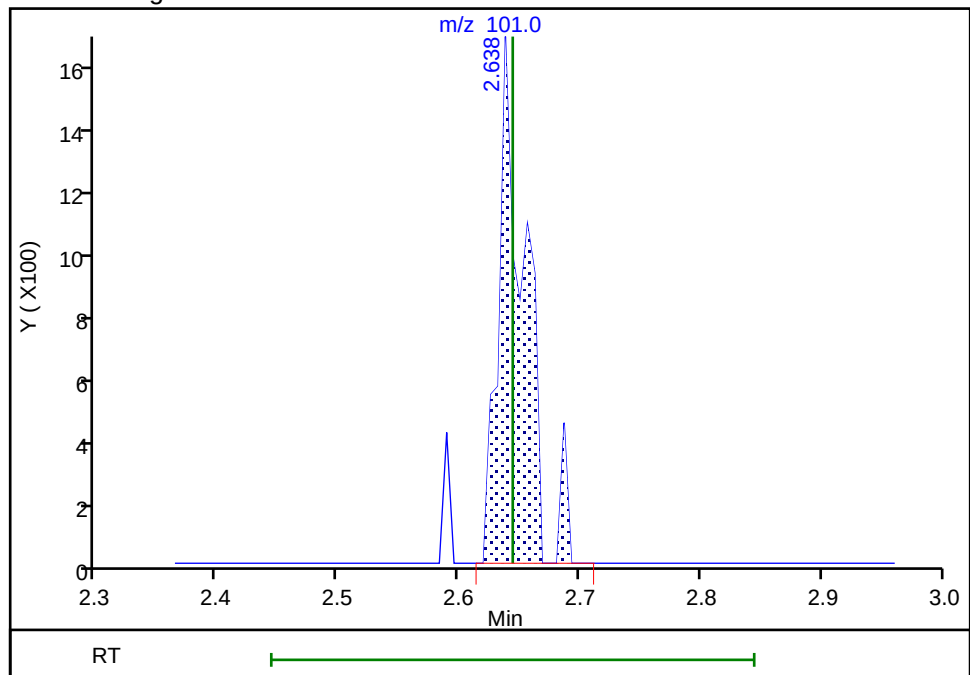
Signal: 1

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
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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

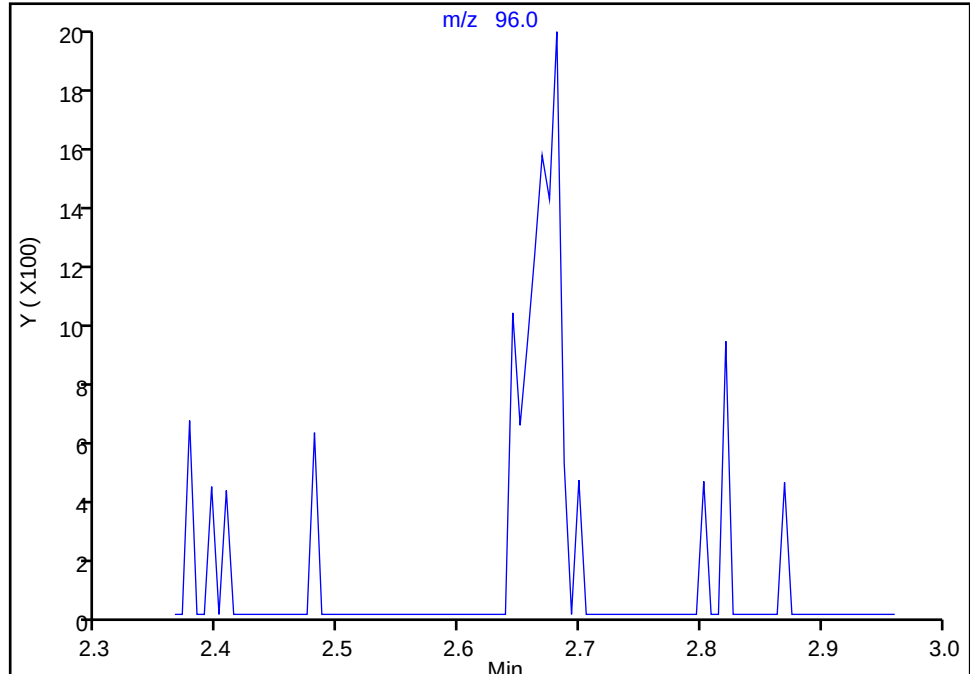
22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

Not Detected

Expected RT: 2.66

Processing Integration Results



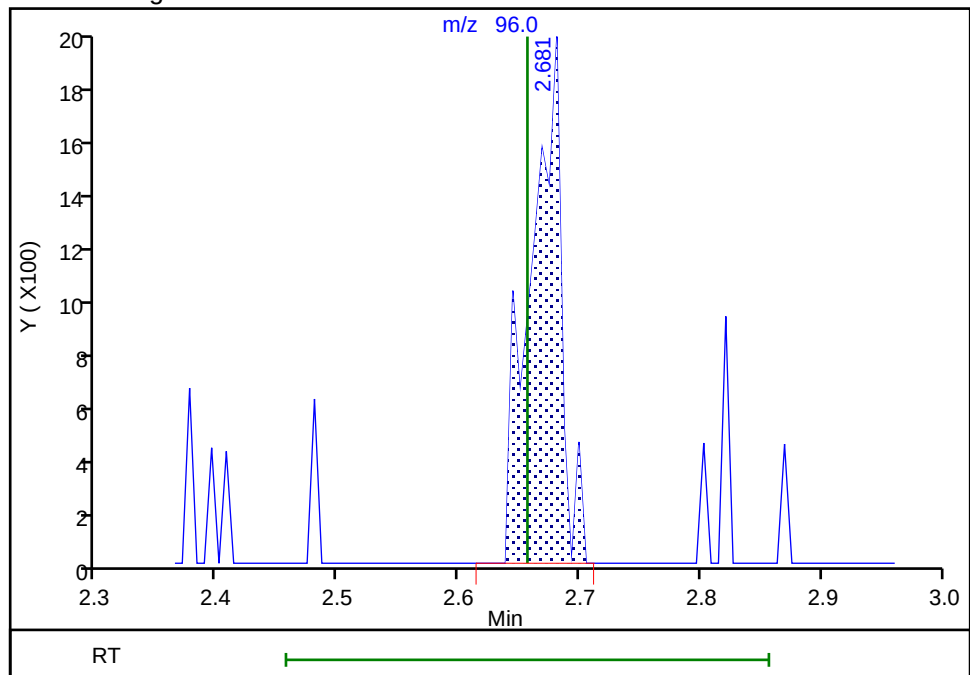
RT: 2.68

Area: 3546

Amount: 0.470612

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 26-Aug-2021 13:35:52

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

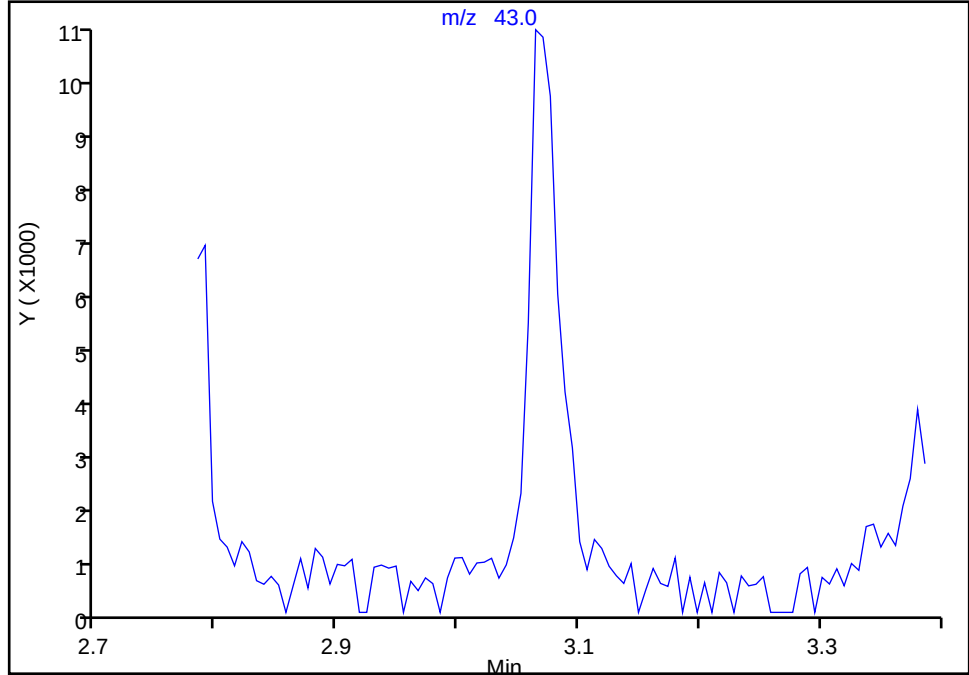
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

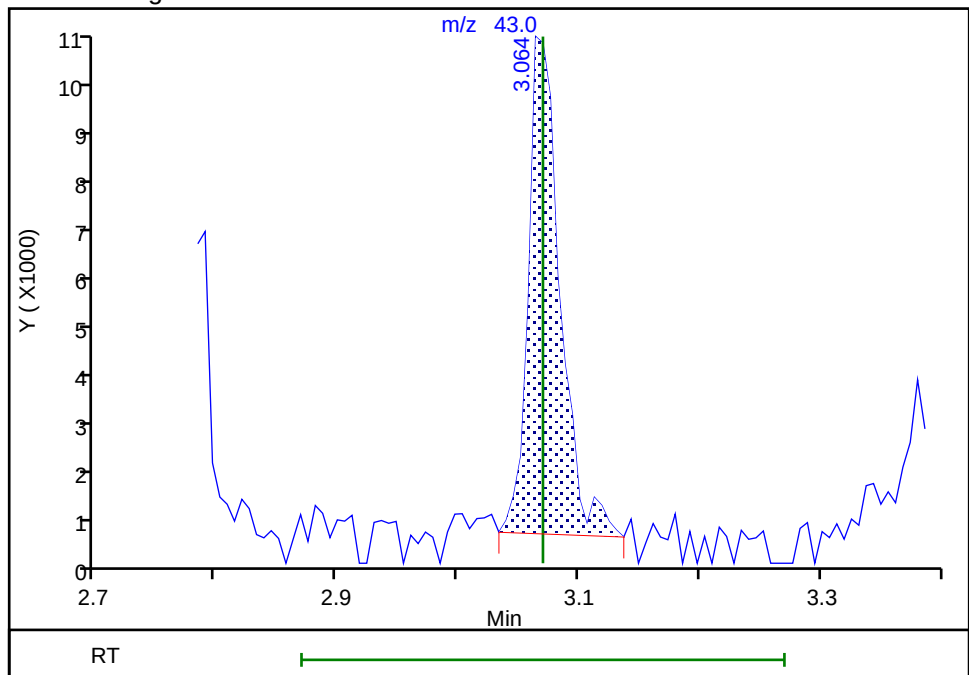
Not Detected
Expected RT: 3.07

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

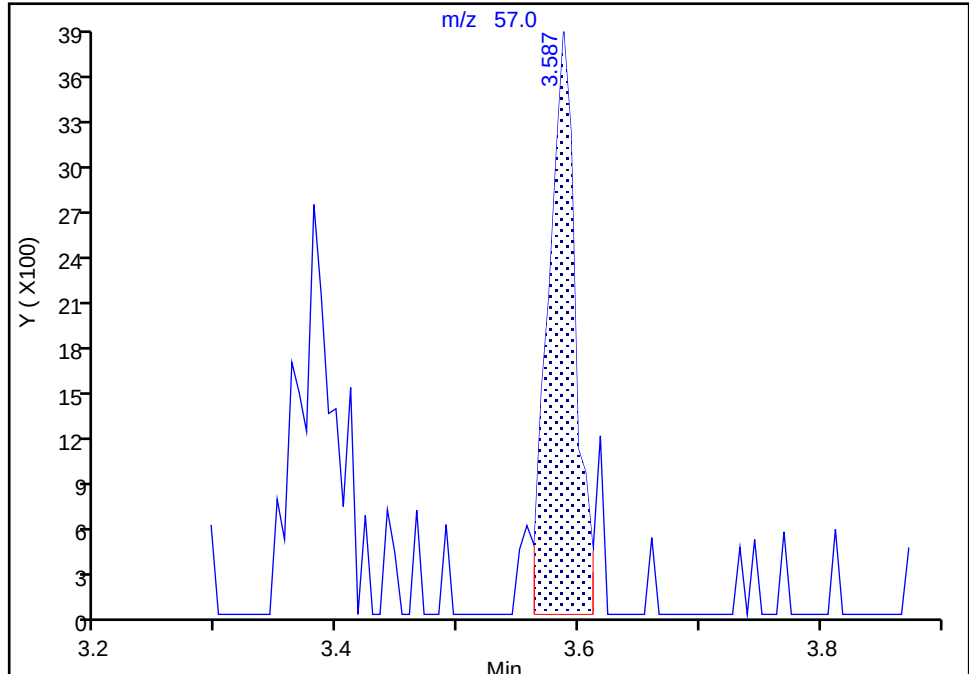
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

35 Hexane, CAS: 110-54-3

Signal: 1

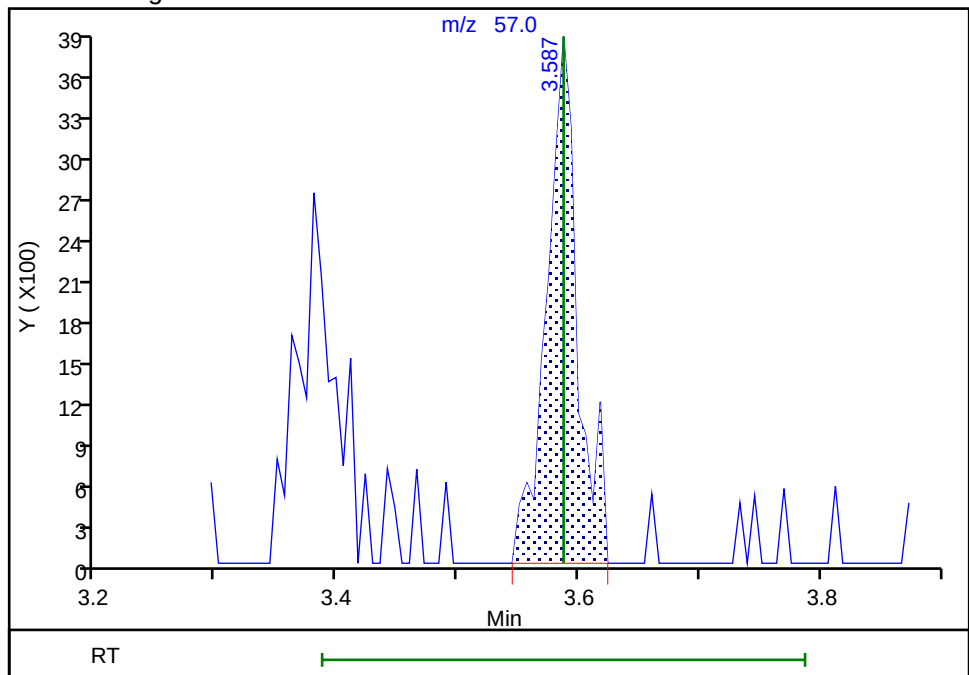
RT: 3.59
Area: 6049
Amount: 0.378152
Amount Units: ug/L

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

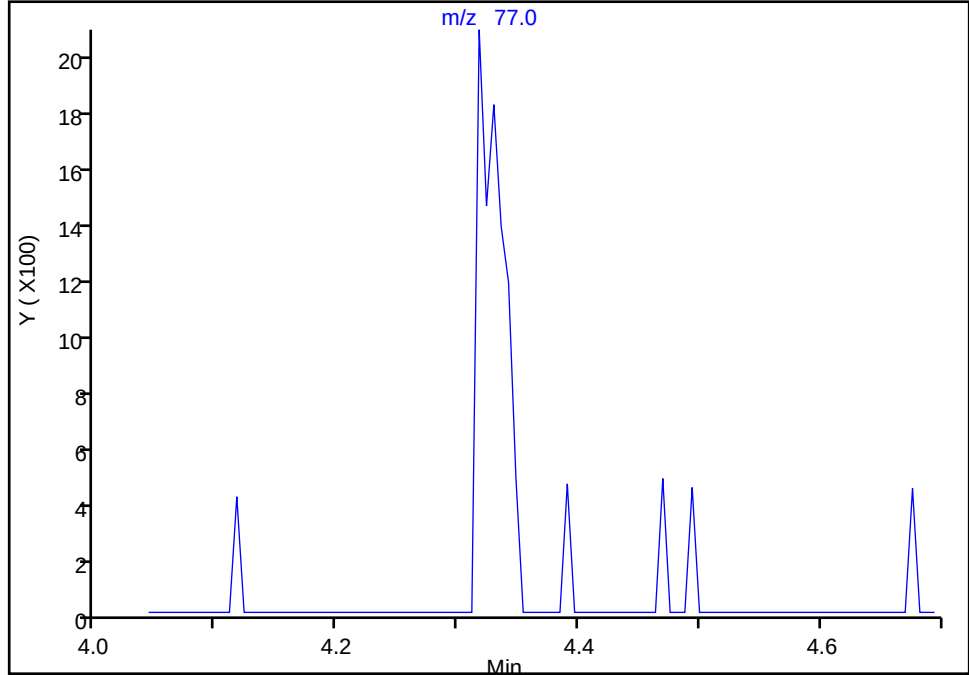
42 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

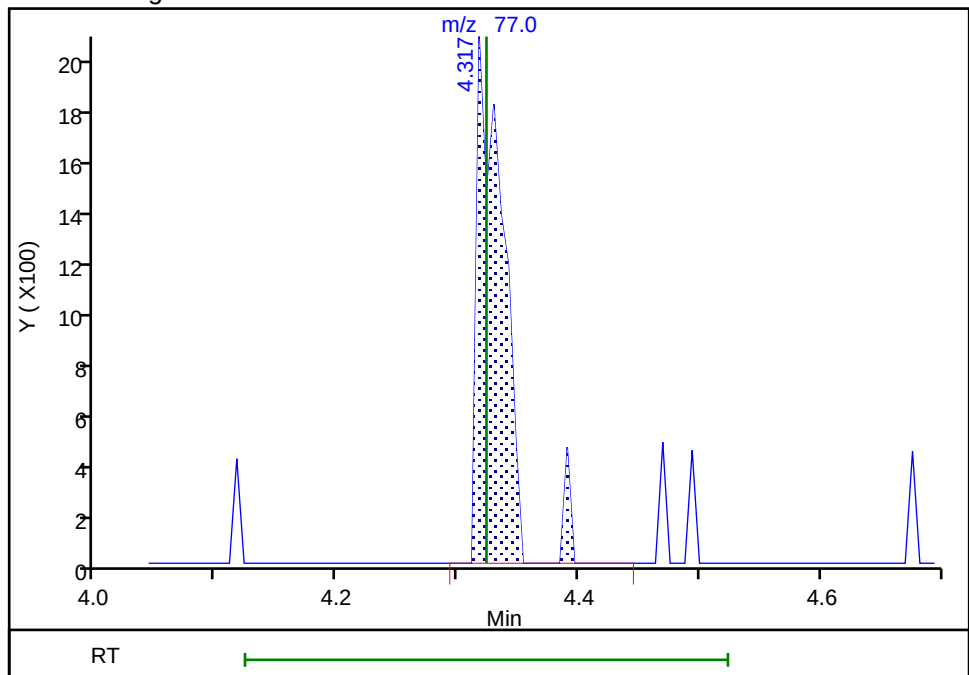
Not Detected

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

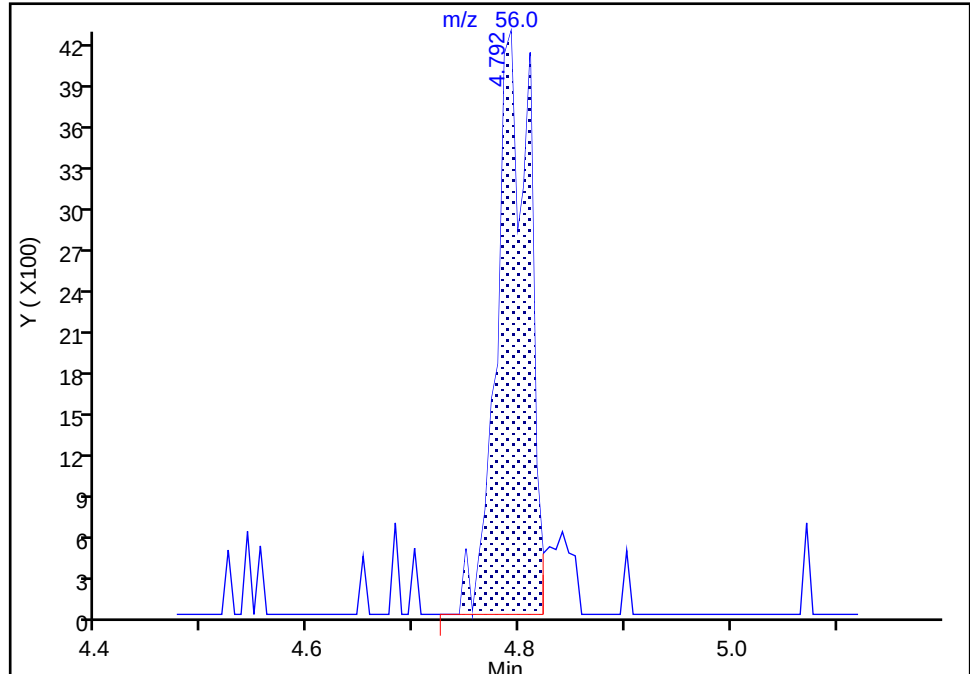
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

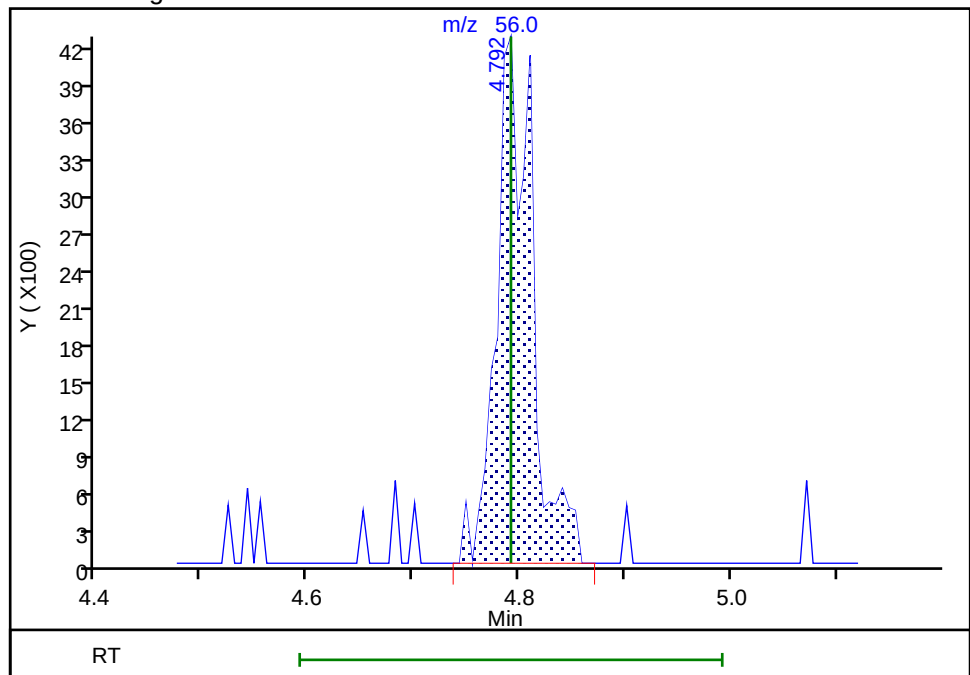
RT: 4.79
Area: 9156
Amount: 0.452448
Amount Units: ug/L

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

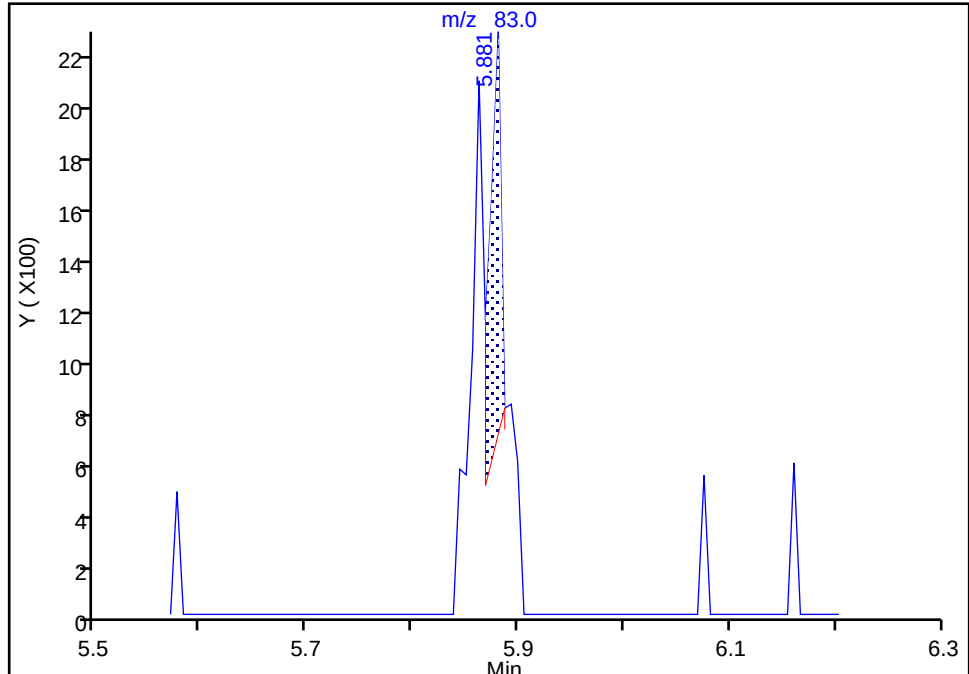
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

62 Methylcyclohexane, CAS: 108-87-2

Signal: 1

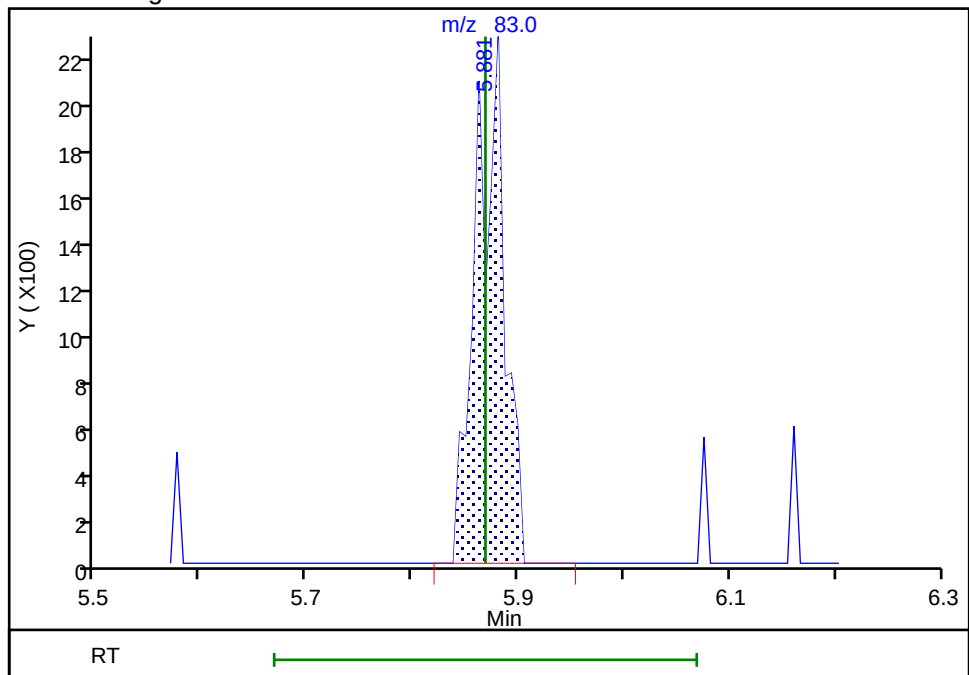
RT: 5.88
Area: 1202
Amount: 0.151418
Amount Units: ug/L

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

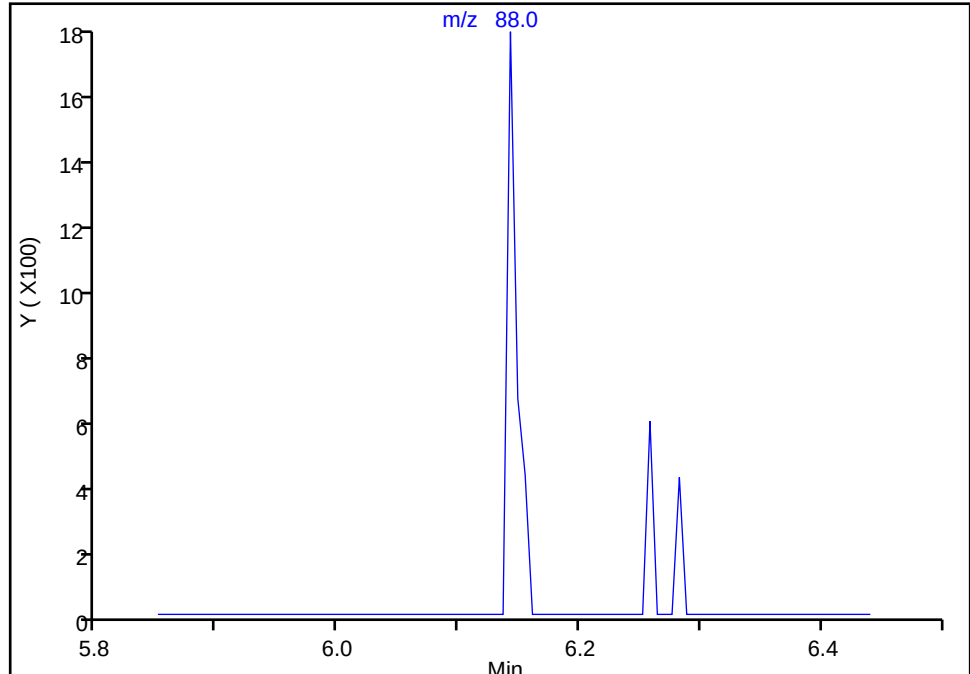
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

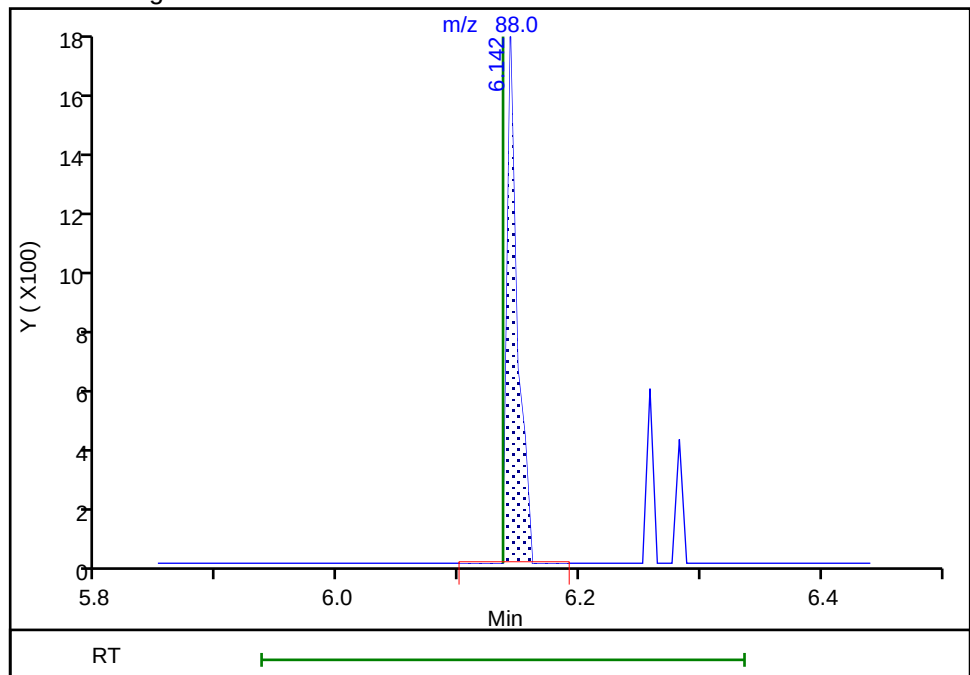
Not Detected
Expected RT: 6.14

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

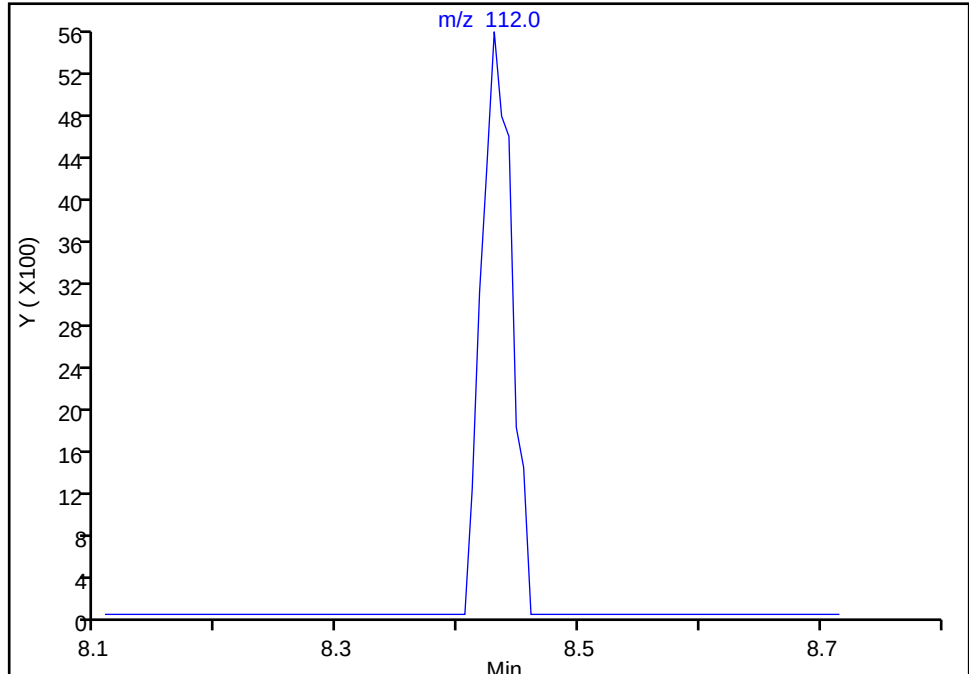
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

85 Chlorobenzene, CAS: 108-90-7

Signal: 1

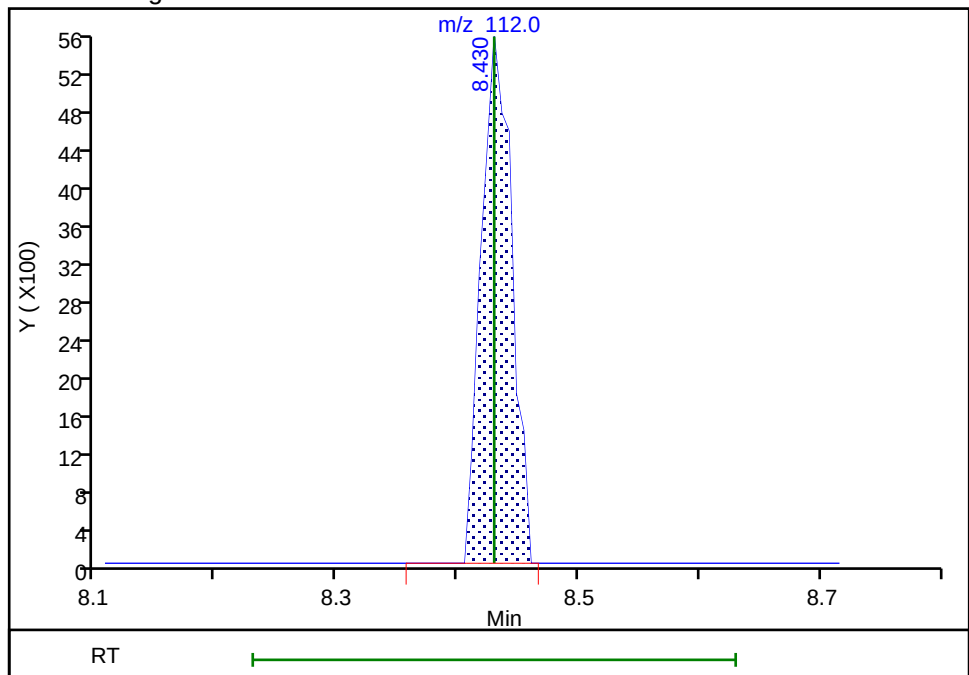
Not Detected
Expected RT: 8.43

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

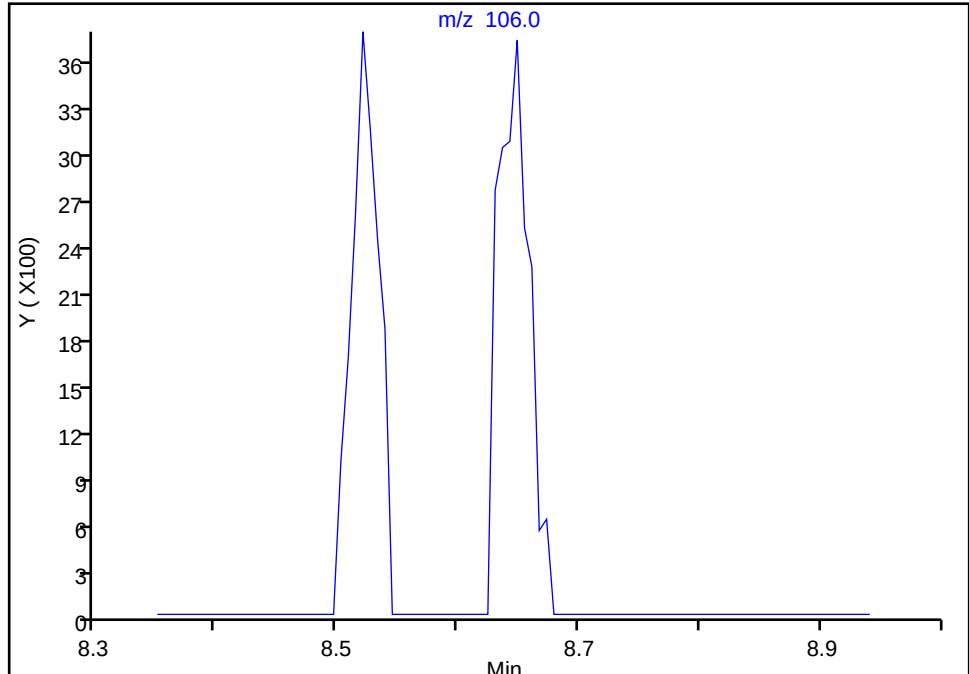
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5352.D
Injection Date: 26-Aug-2021 12:40:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

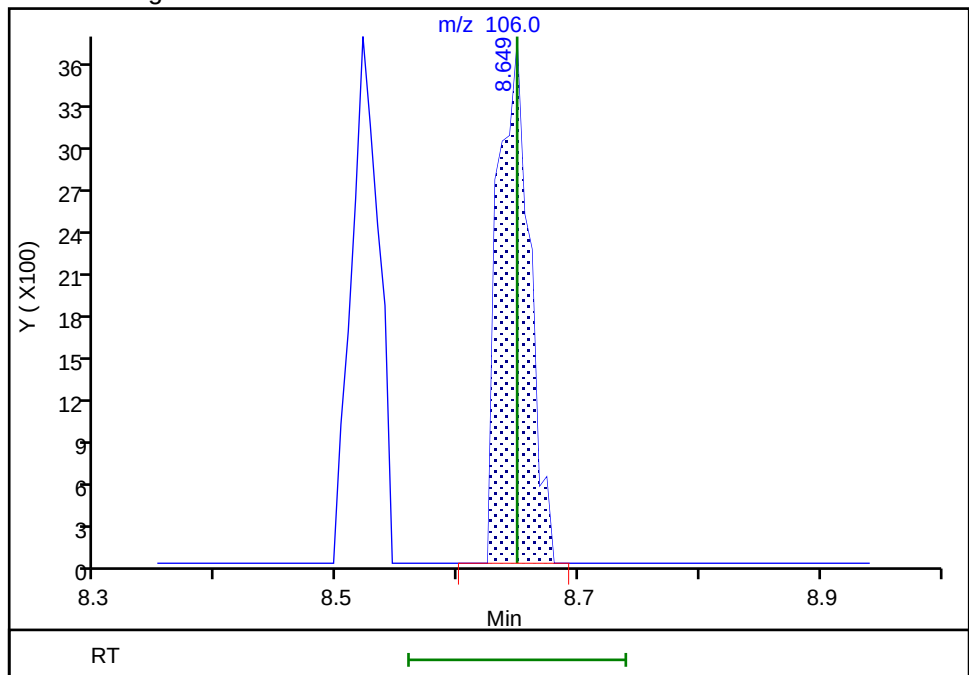
Not Detected
Expected RT: 8.65

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

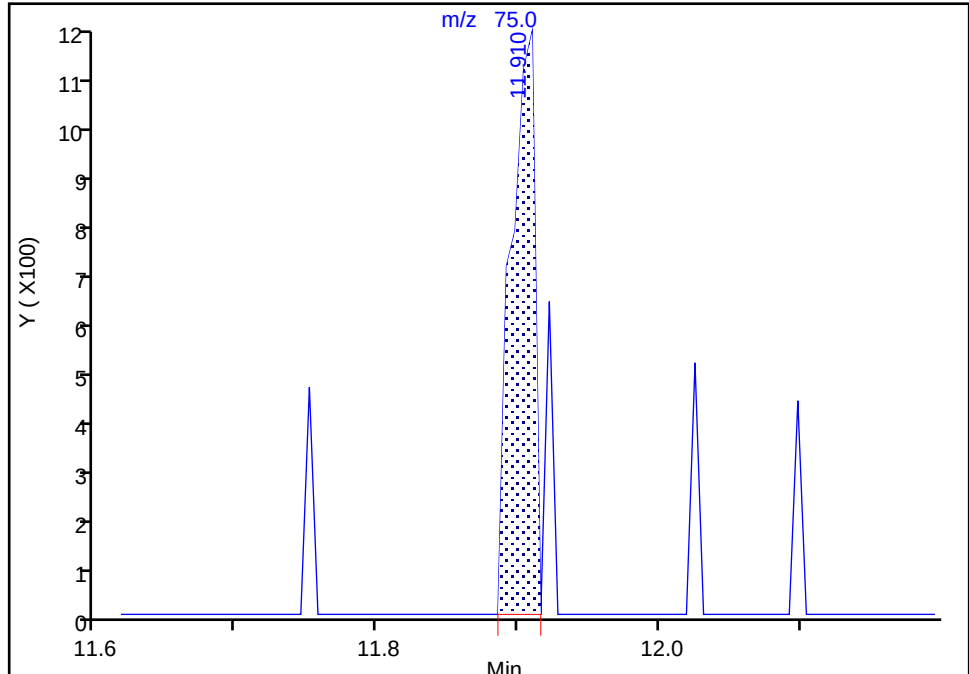
MS SCAN

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

Signal: 1

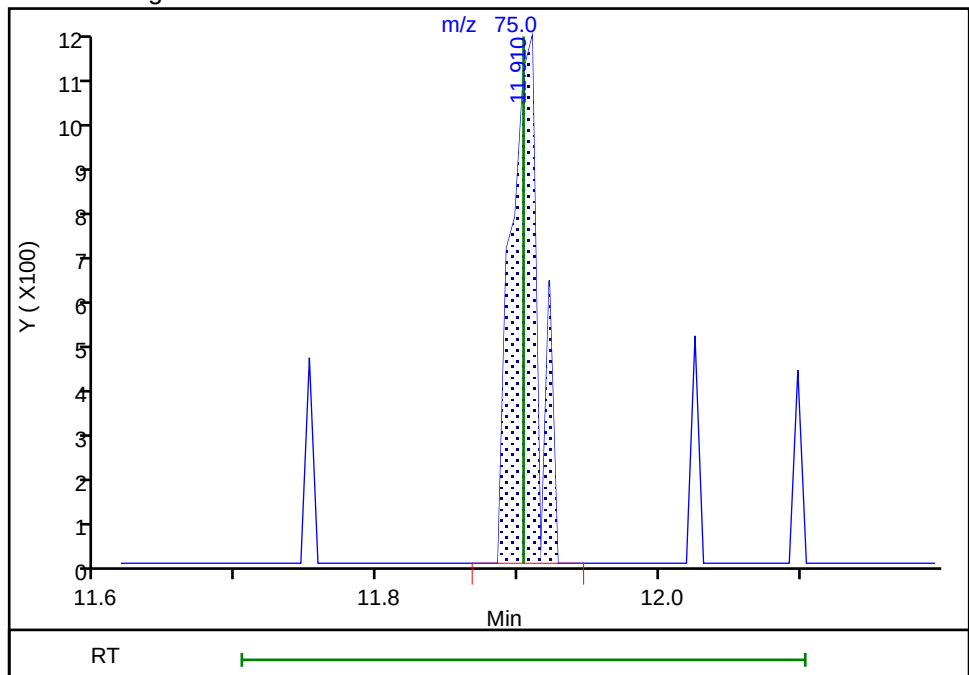
RT: 11.91
Area: 1341
Amount: 0.519043
Amount Units: ug/L

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

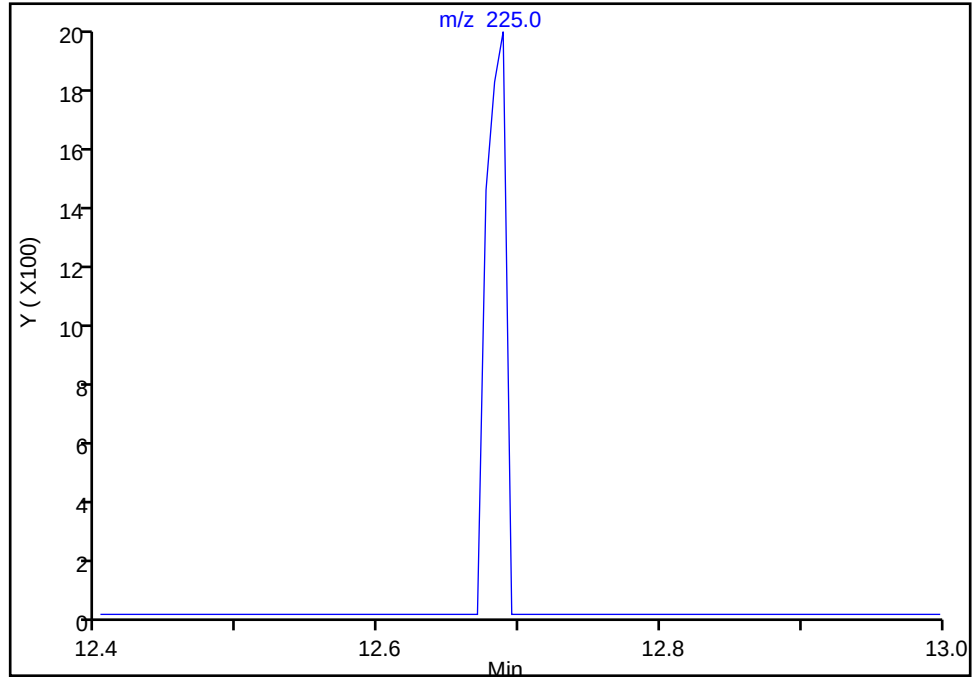
120 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

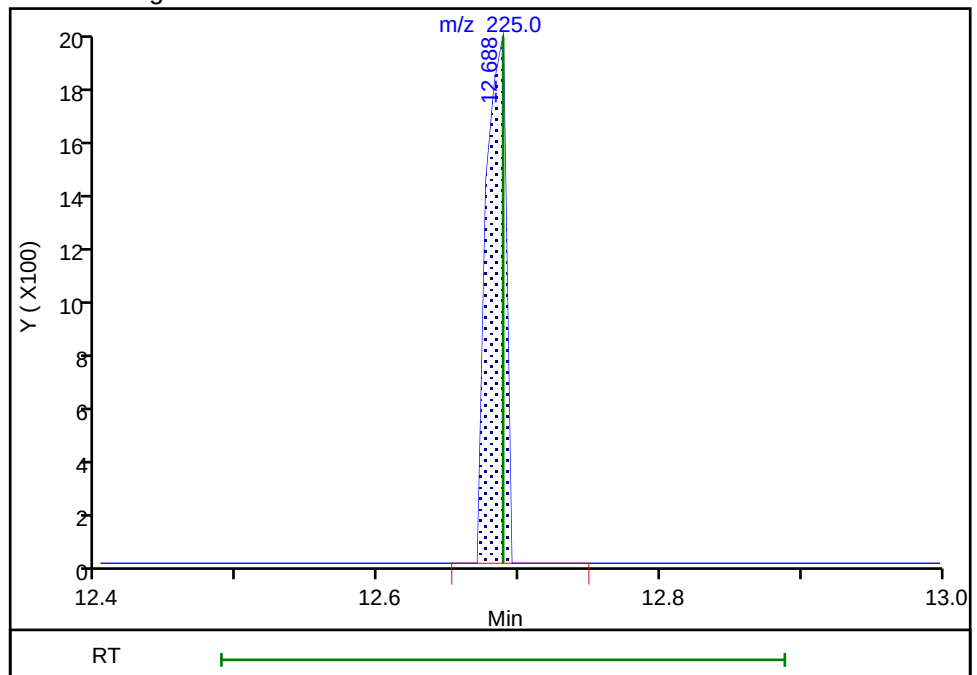
Not Detected

Expected RT: 12.69

Processing Integration Results



Manual Integration Results



RT: 12.69

Area: 1910

Amount: 0.280984

Amount Units: ug/L

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

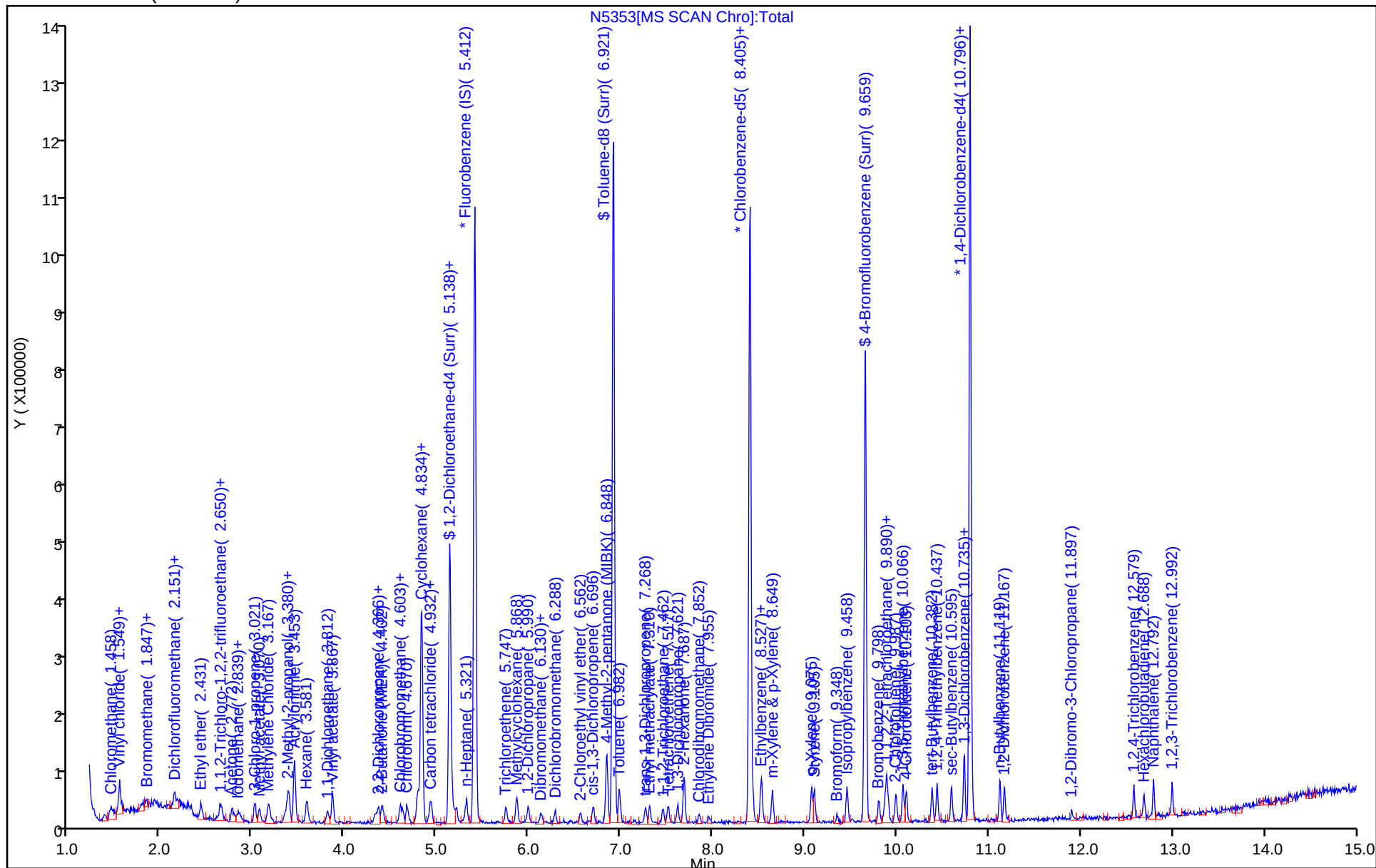
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

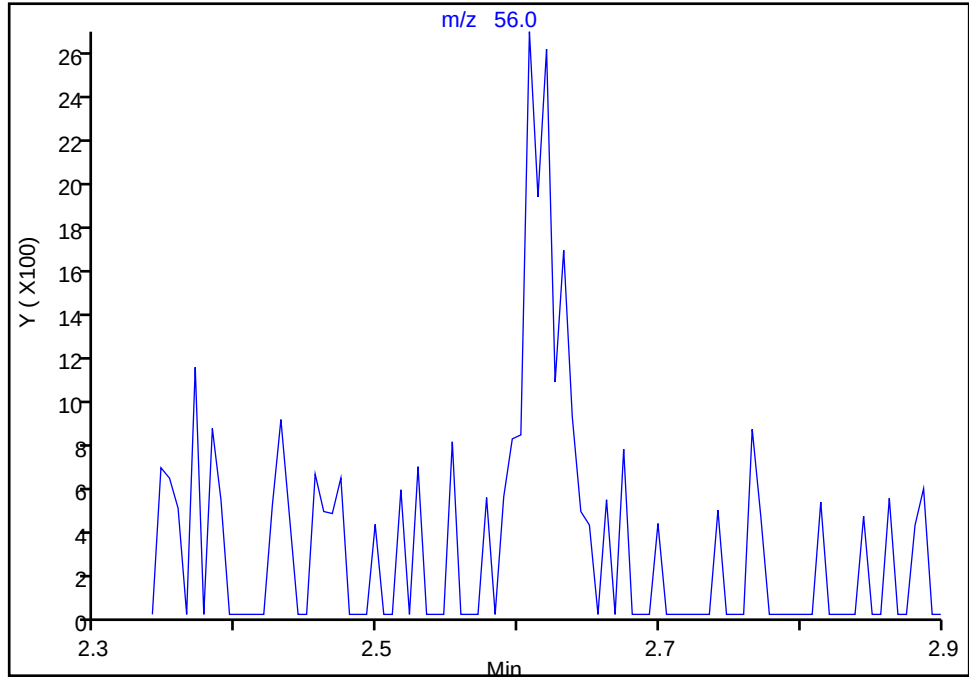
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5353.D
Injection Date: 26-Aug-2021 13:03:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

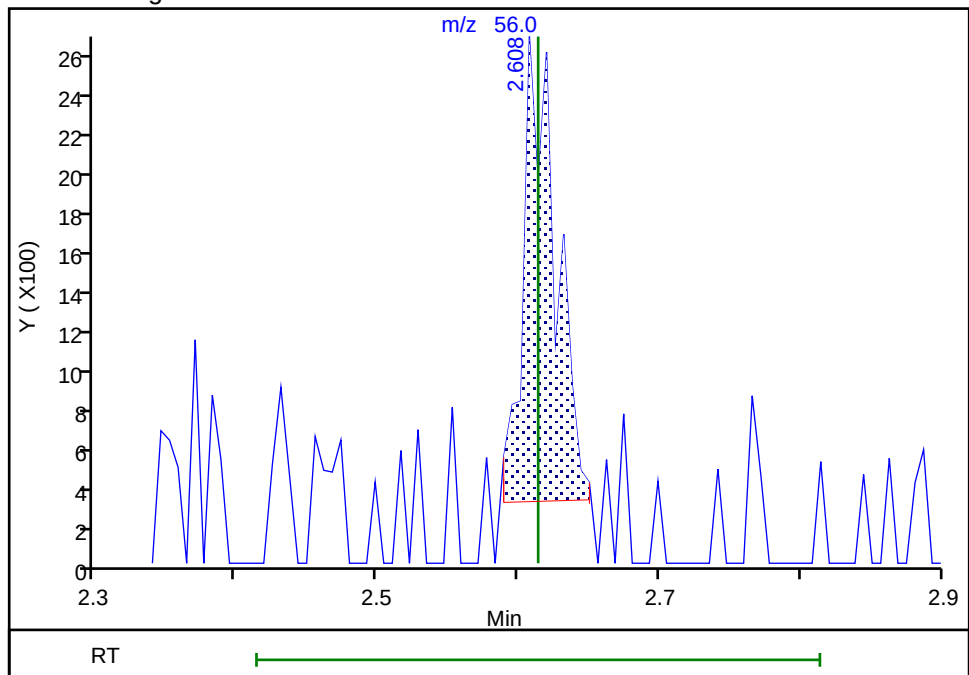
Not Detected
Expected RT: 2.61

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
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08/31/2021

Eurofins TestAmerica, Buffalo

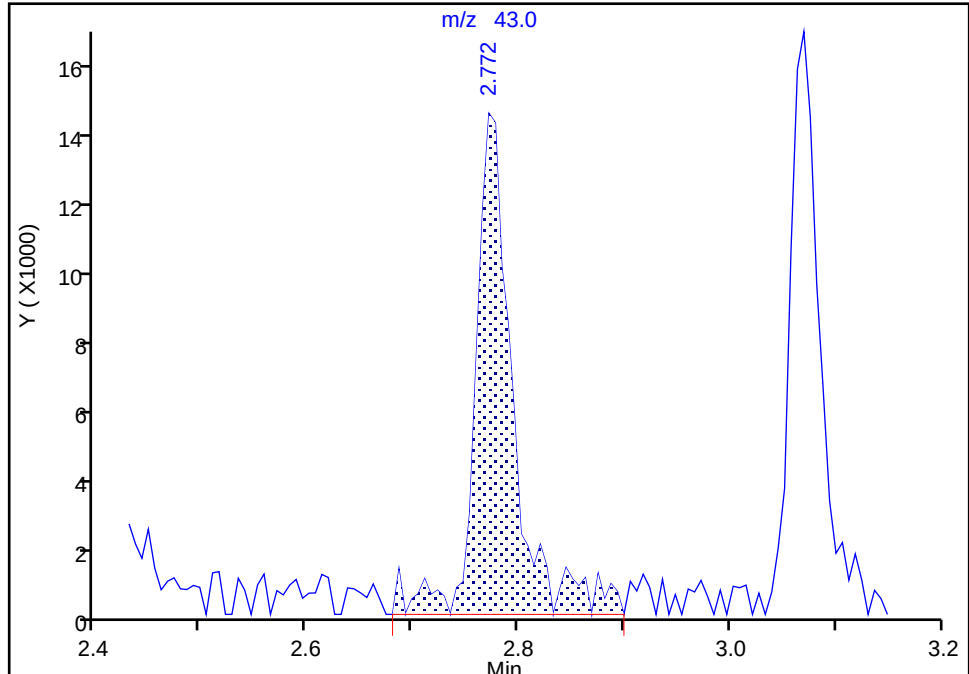
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Injection Date: 26-Aug-2021 13:03:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

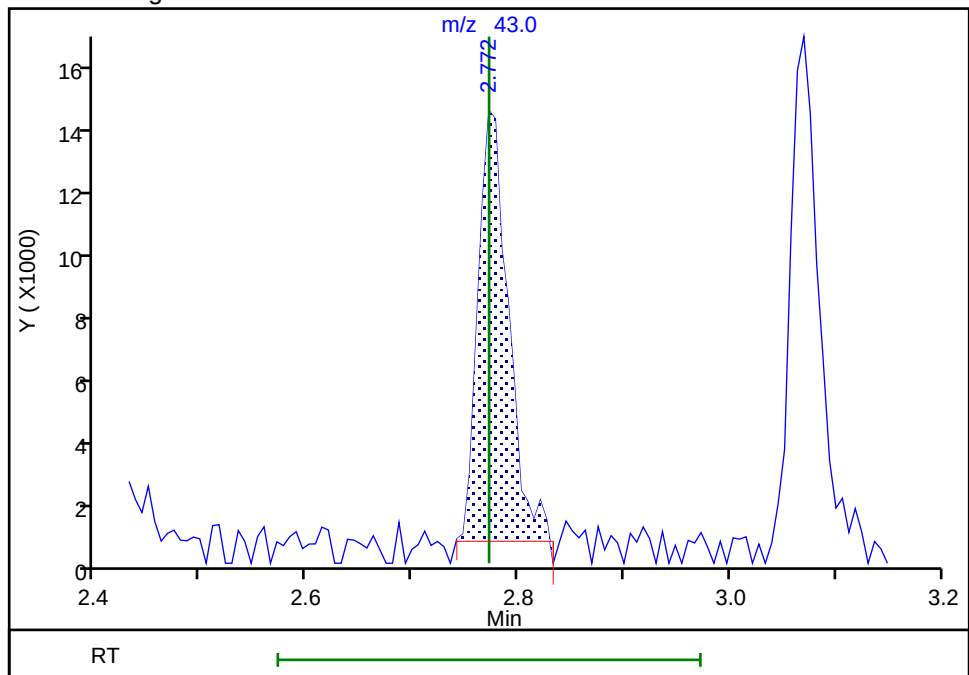
RT: 2.77
Area: 35368
Amount: 6.737541
Amount Units: ug/L

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
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Eurofins TestAmerica, Buffalo

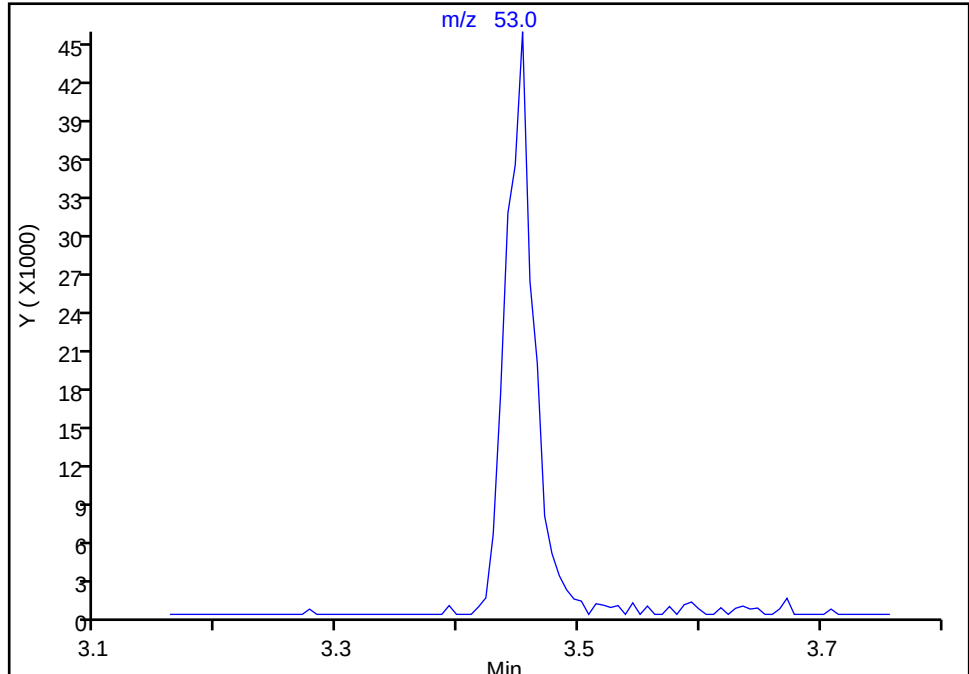
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Injection Date: 26-Aug-2021 13:03:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

34 Acrylonitrile, CAS: 107-13-1

Signal: 1

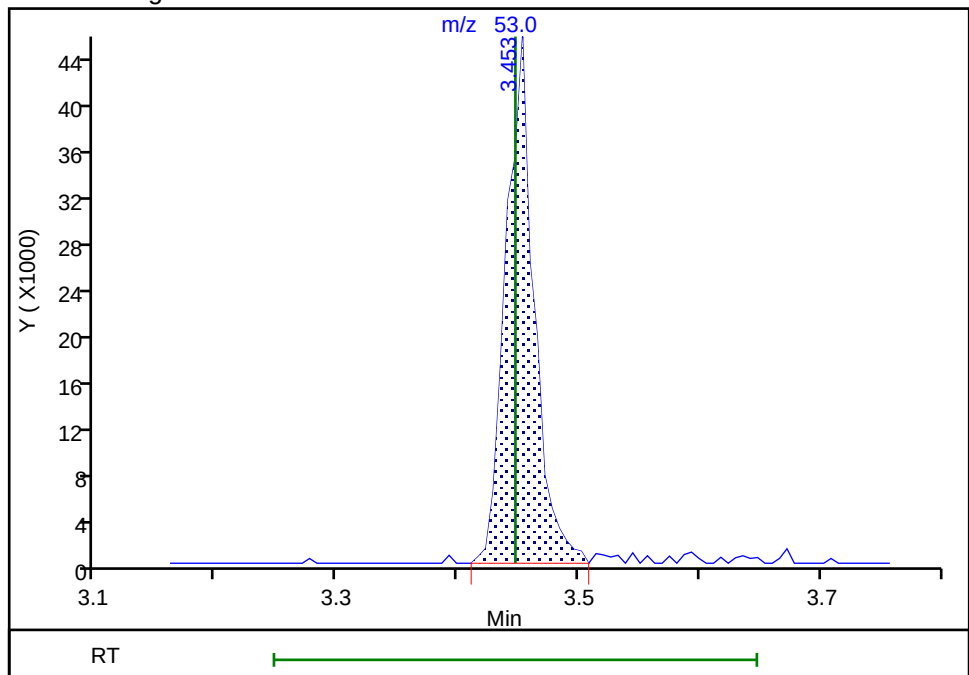
Not Detected
Expected RT: 3.45

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

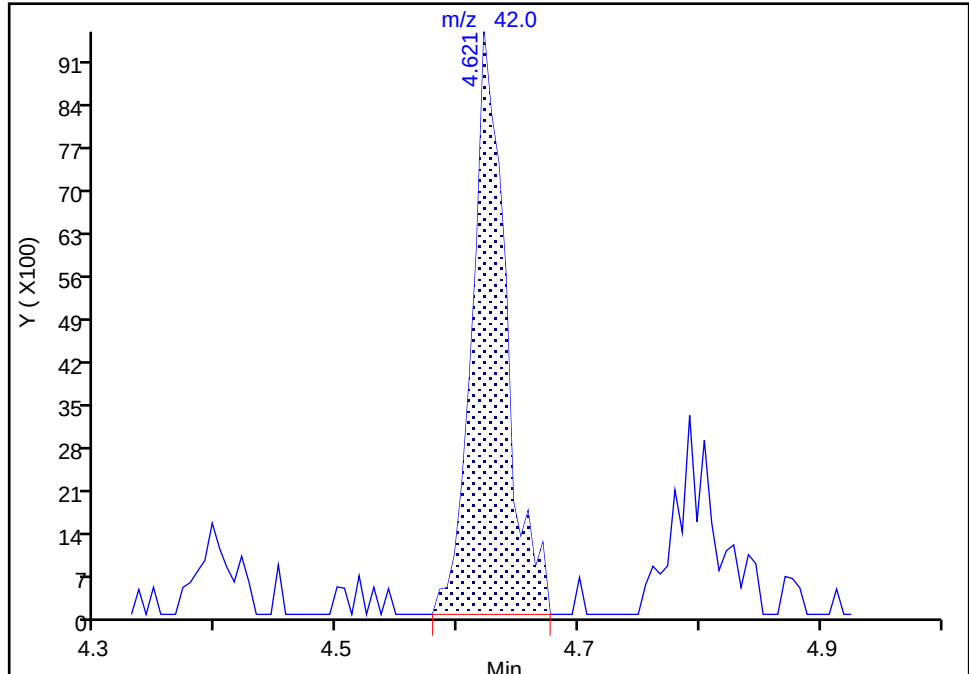
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Injection Date: 26-Aug-2021 13:03:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

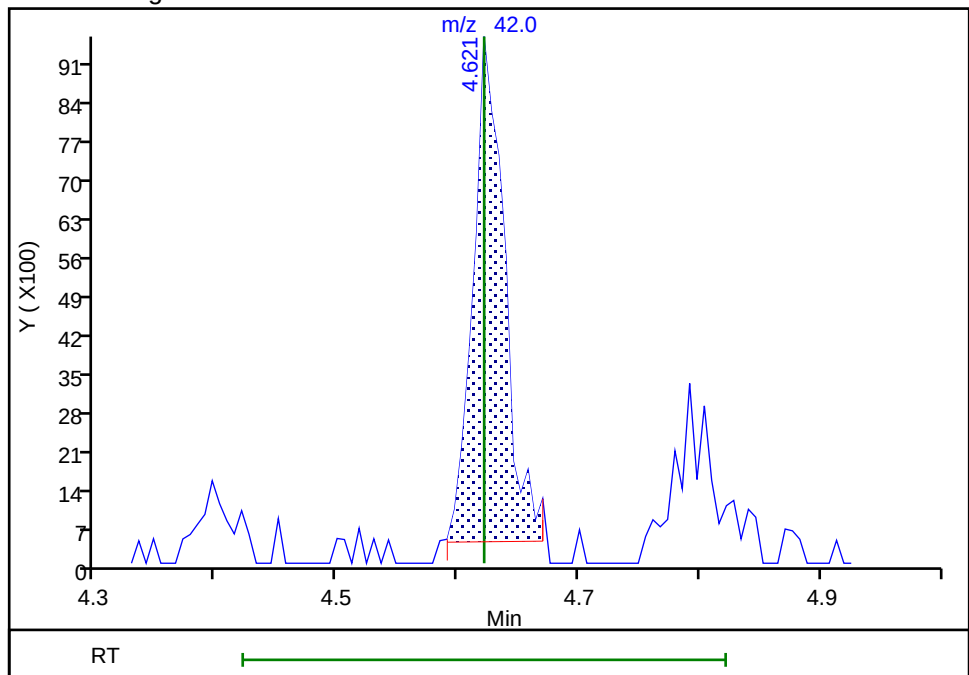
RT: 4.62
Area: 18712
Amount: 2.800424
Amount Units: ug/L

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
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08/31/2021

Eurofins TestAmerica, Buffalo

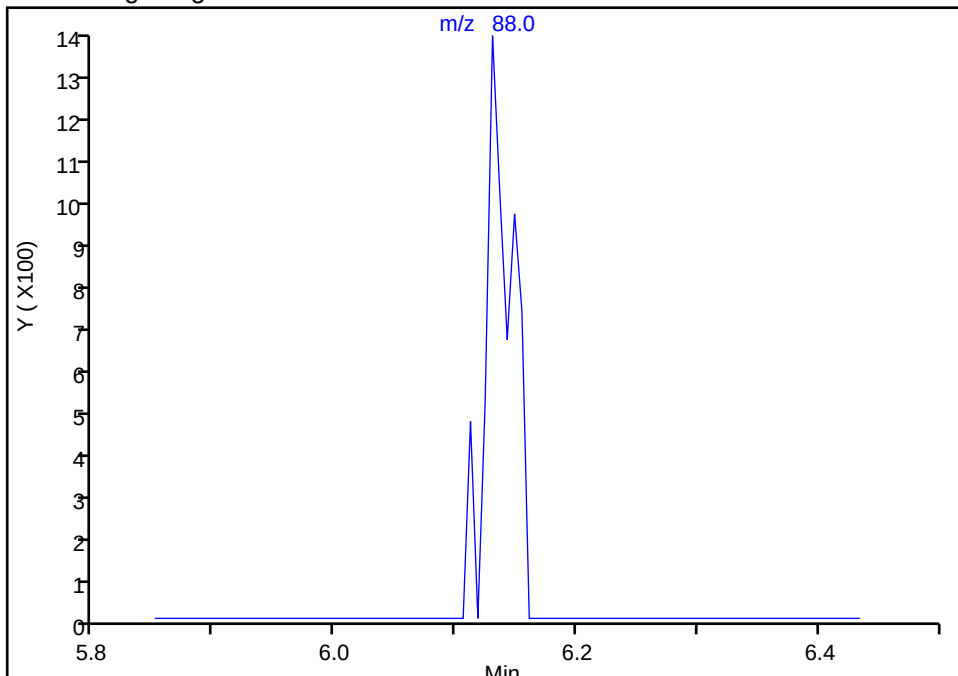
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Injection Date: 26-Aug-2021 13:03:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

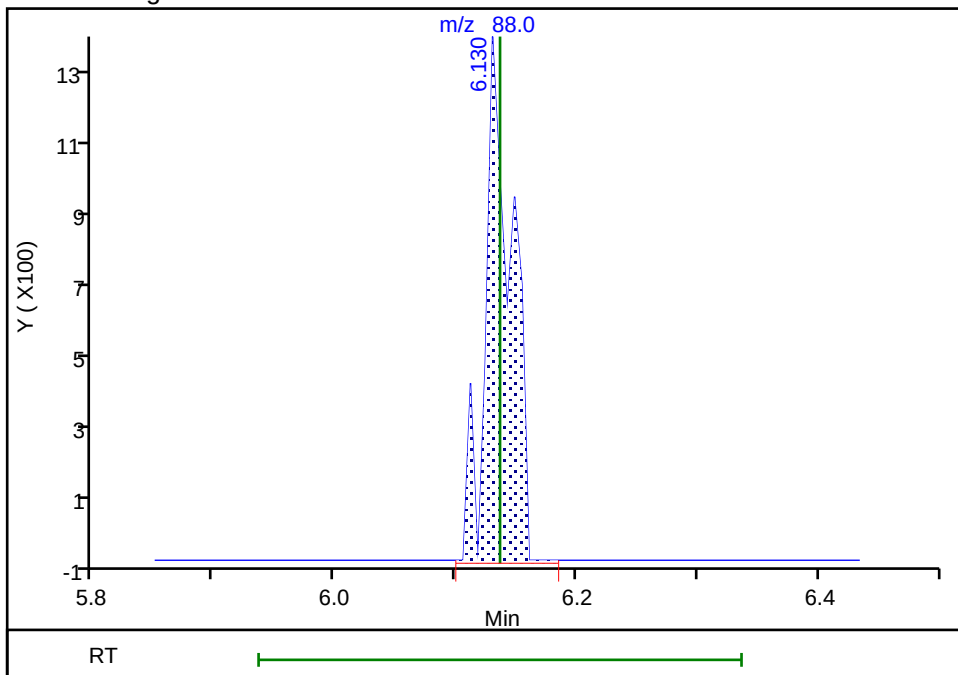
Not Detected
Expected RT: 6.14

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
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08/31/2021

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

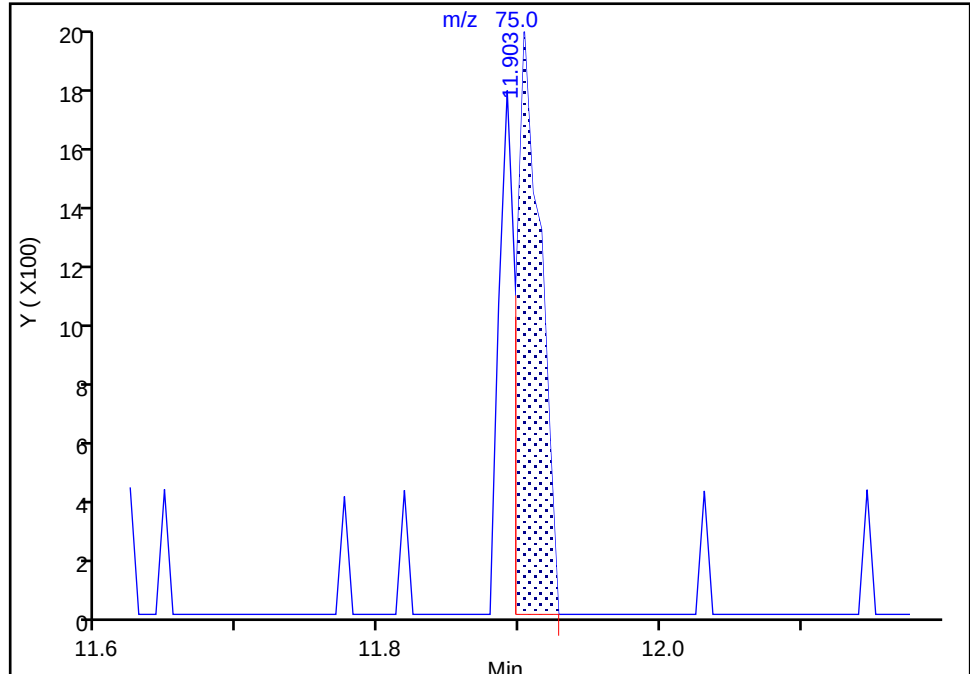
MS SCAN

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

Signal: 1

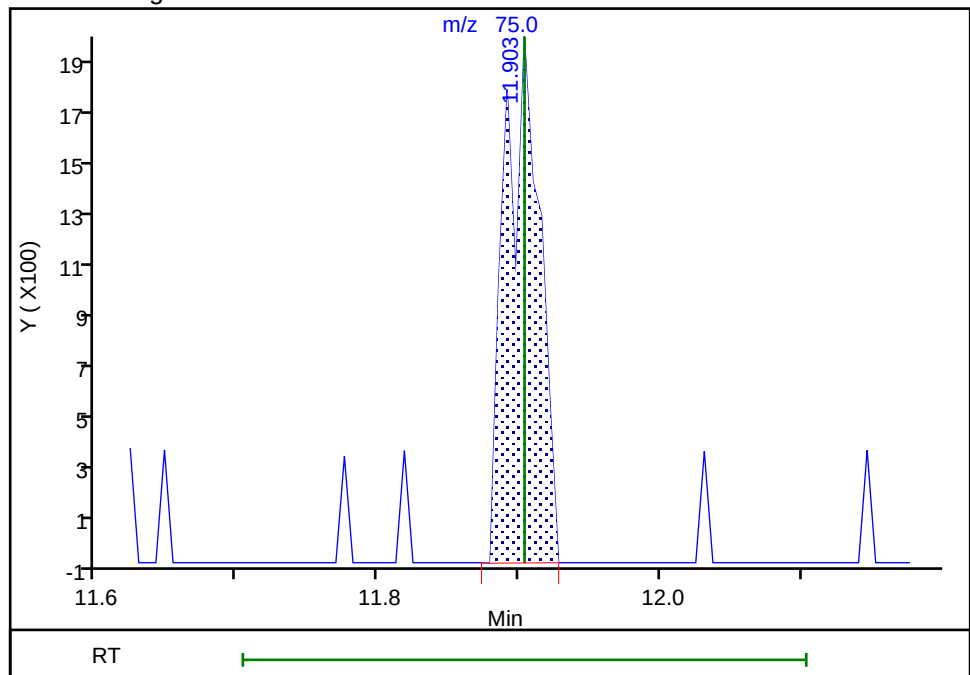
RT: 11.90
Area: 2340
Amount: 0.884539
Amount Units: ug/L

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

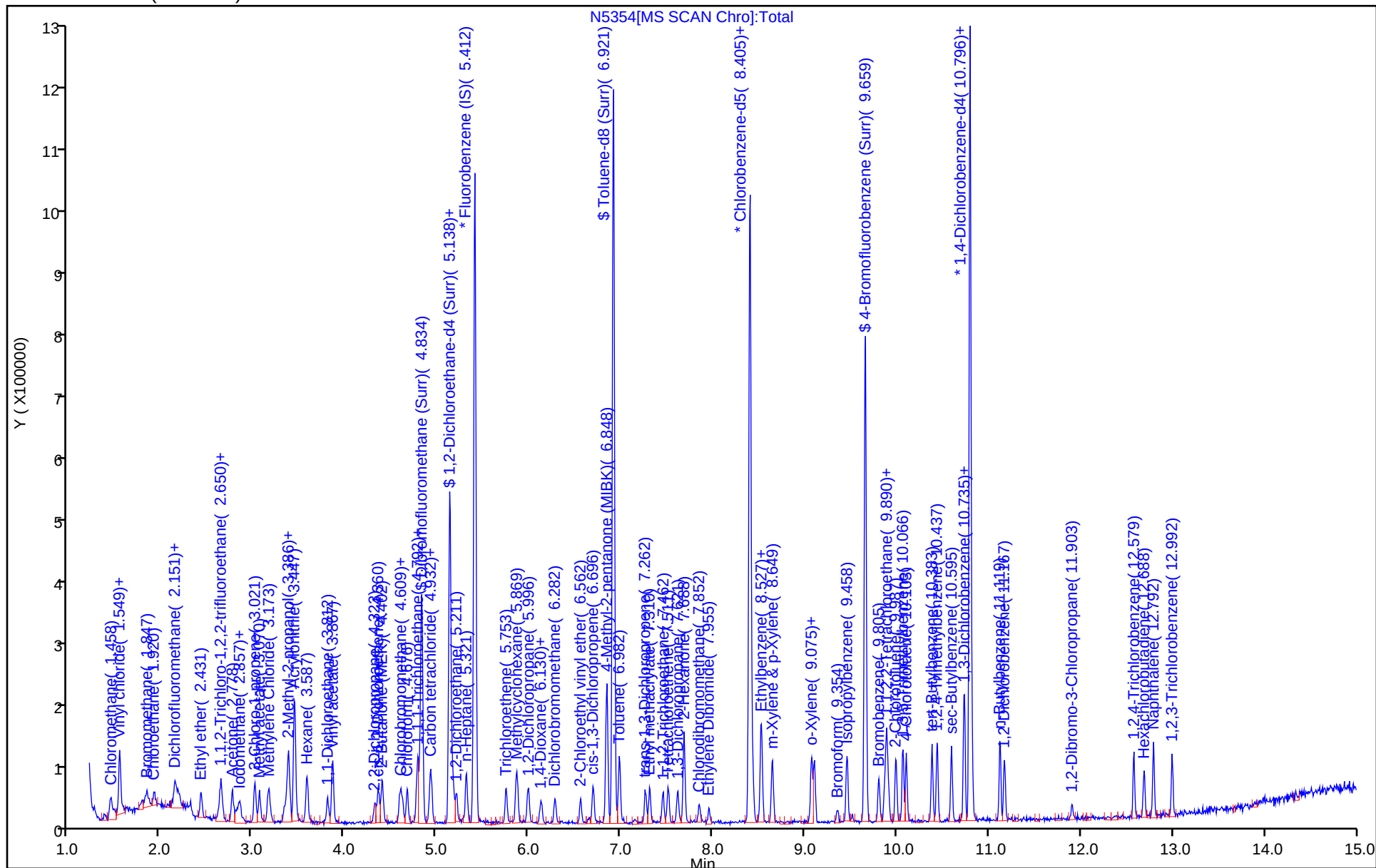
Dil. Factor: 1.0000

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

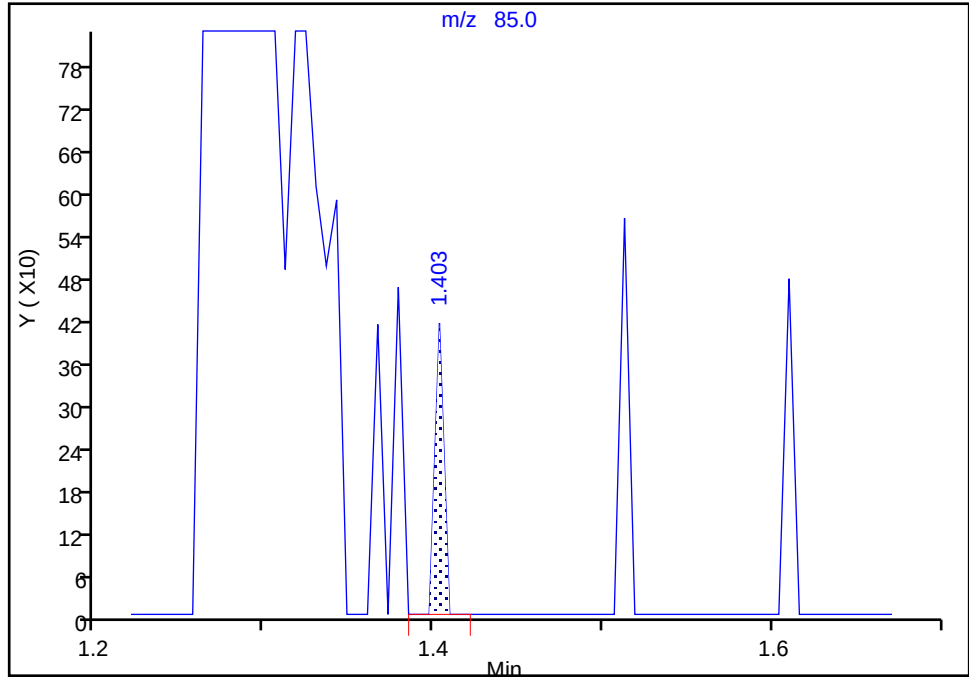
MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

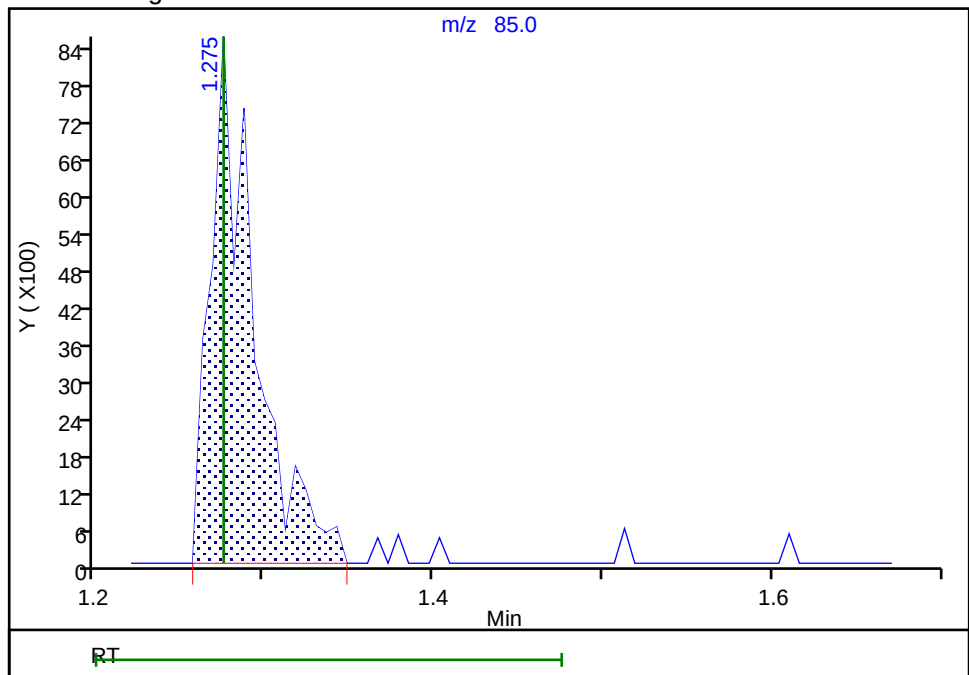
RT: 1.40
Area: 151
Amount: 0.028587
Amount Units: ug/L

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

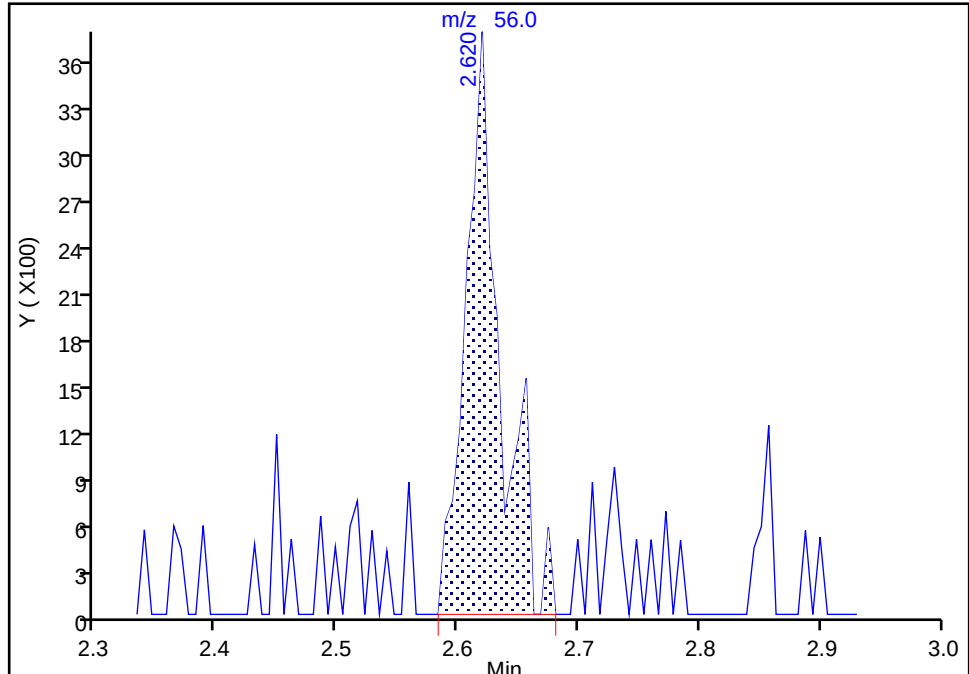
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Injection Date: 26-Aug-2021 13:26:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

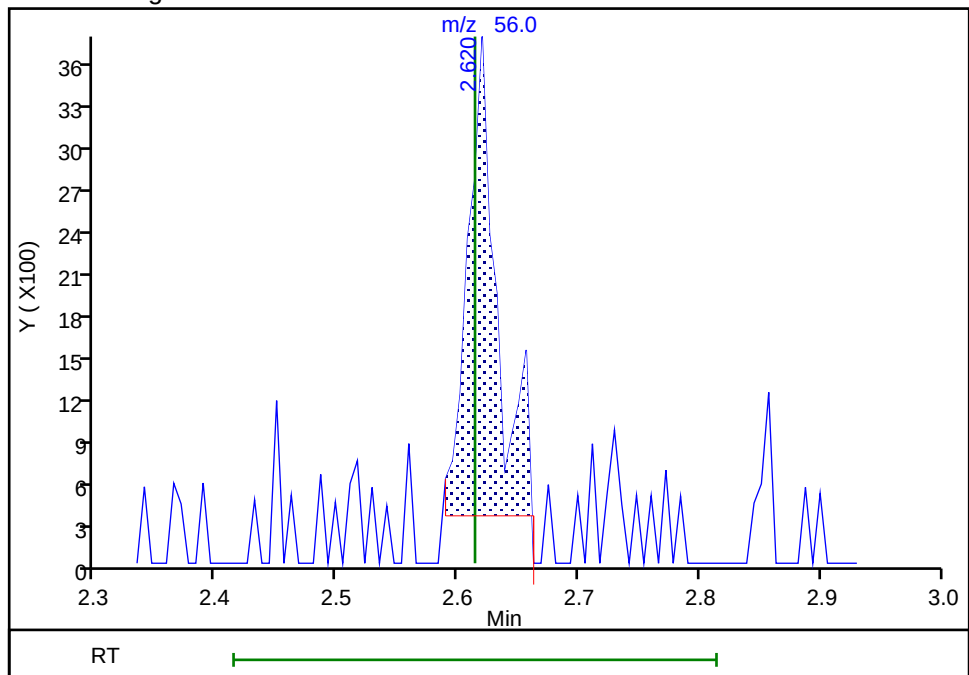
RT: 2.62
Area: 7373
Amount: 11.580181
Amount Units: ug/L

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 148 of 333

08/31/2021

Eurofins TestAmerica, Buffalo

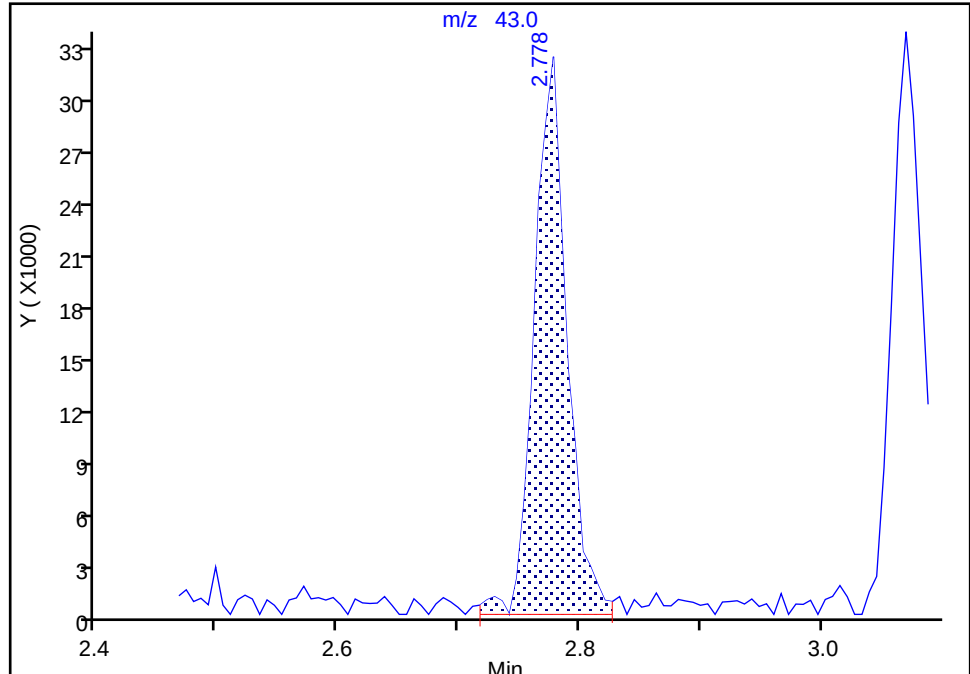
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Injection Date: 26-Aug-2021 13:26:30 Instrument ID: HP5973N
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

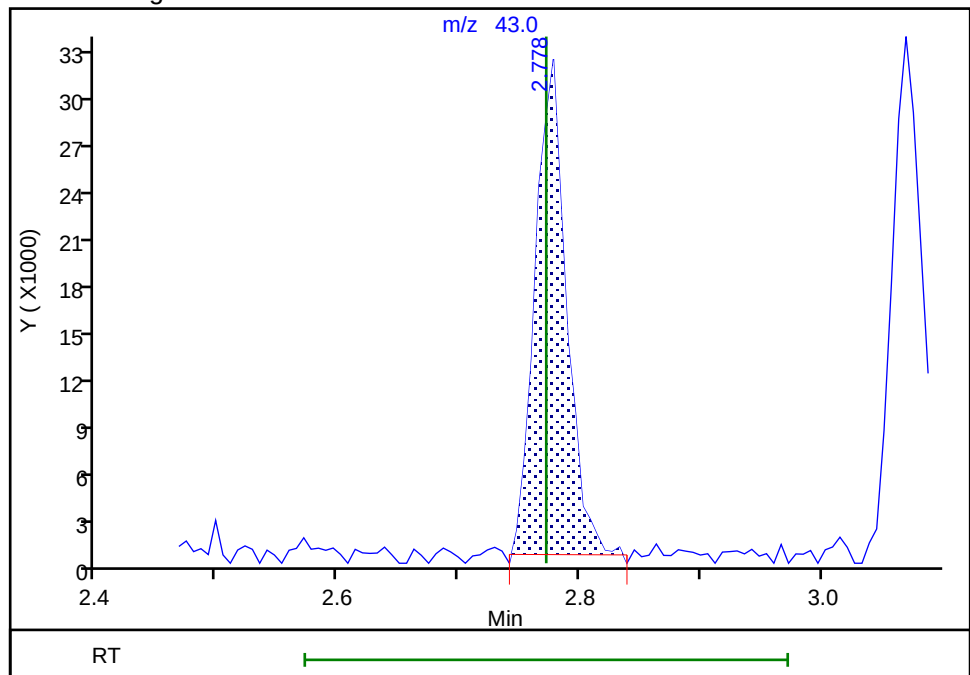
RT: 2.78
Area: 60745
Amount: 12.086447
Amount Units: ug/L

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

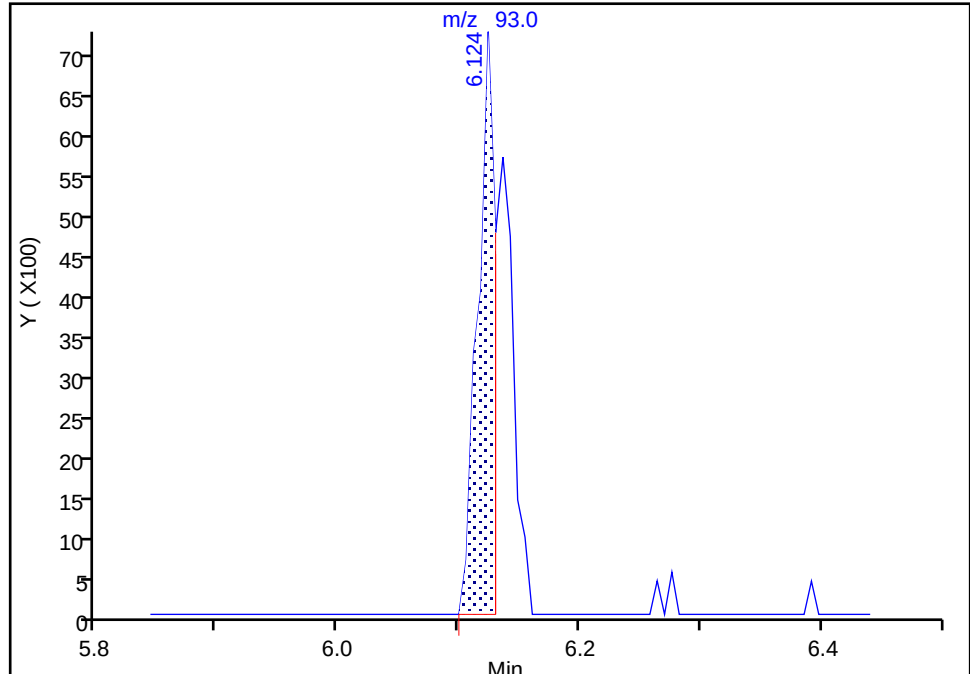
MS SCAN

64 Dibromomethane, CAS: 74-95-3

Signal: 1

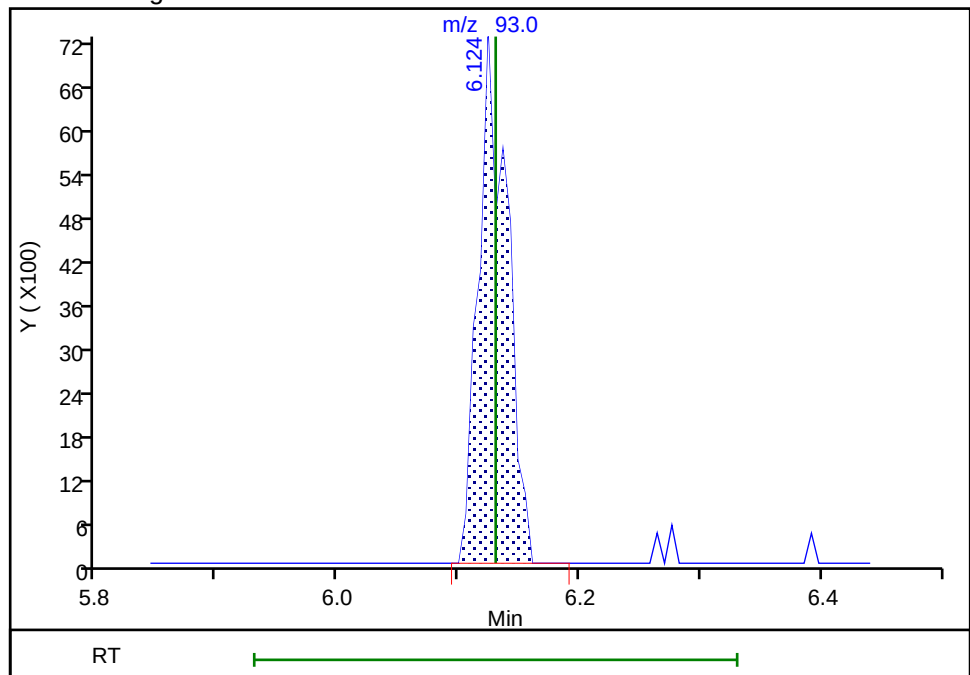
RT: 6.12
Area: 7326
Amount: 1.508246
Amount Units: ug/L

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

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

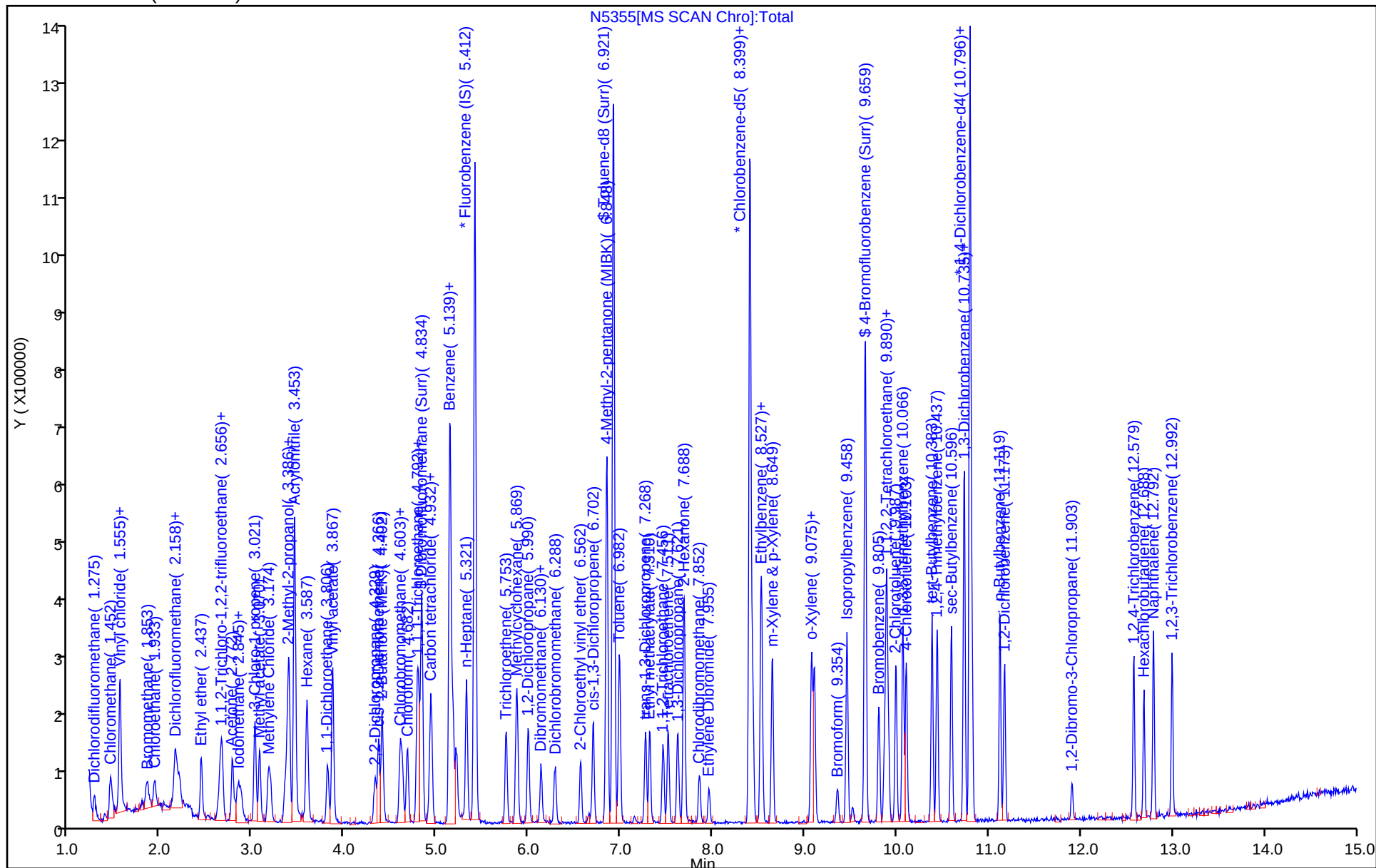
Dil. Factor: 1.0000

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

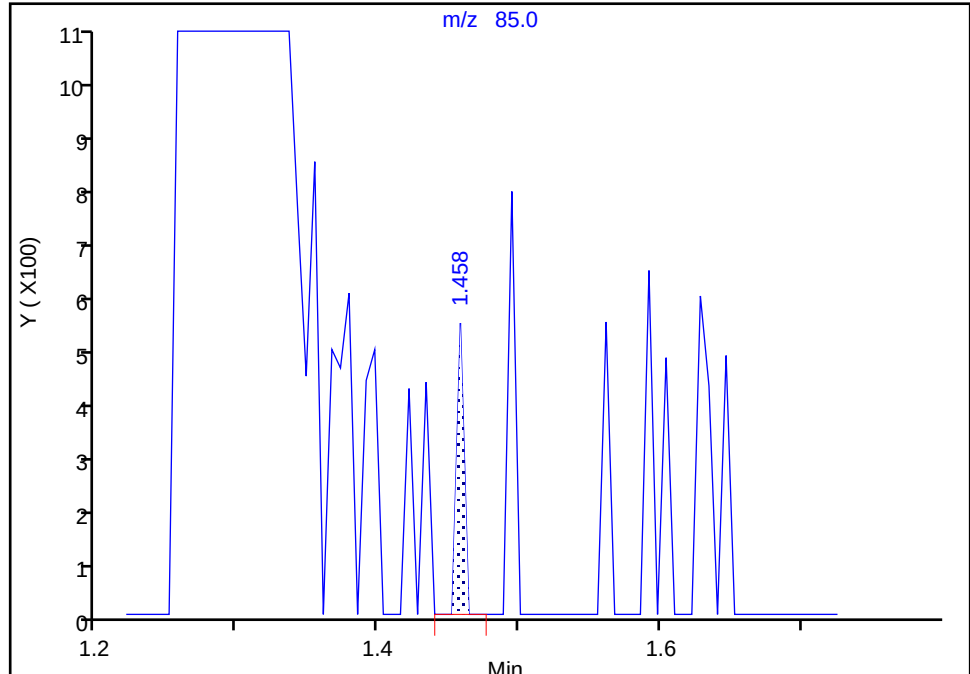
MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

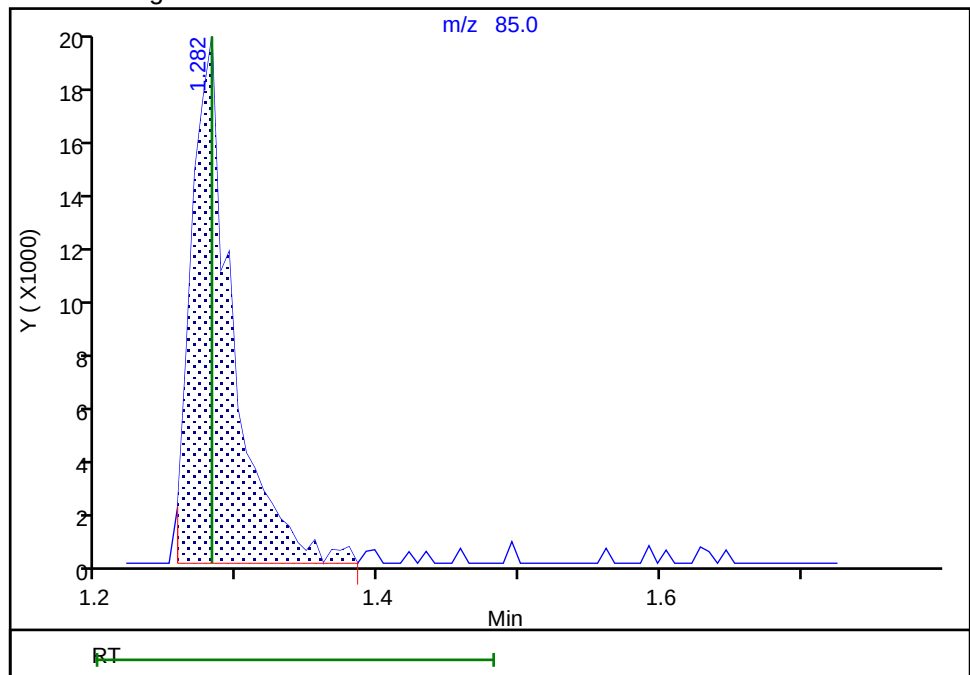
RT: 1.46
Area: 196
Amount: 0.031593
Amount Units: ug/L

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)

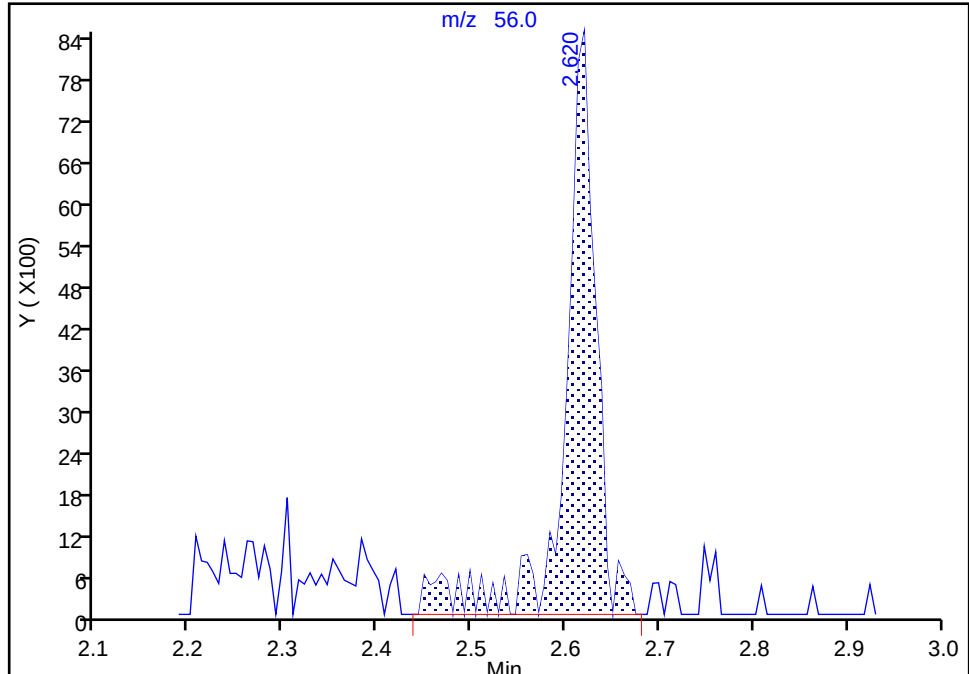
Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

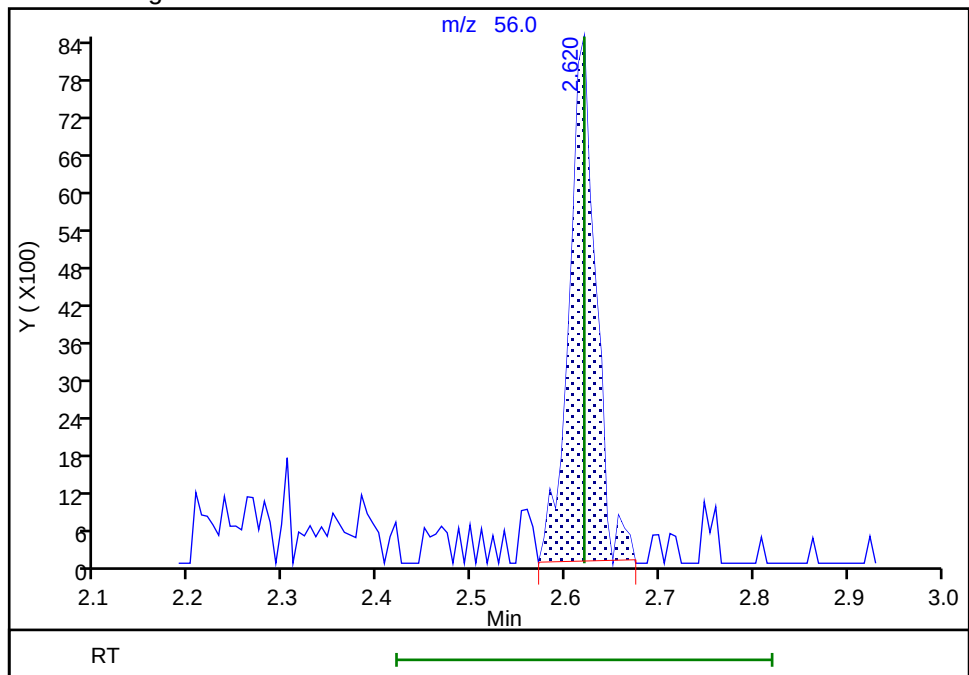
RT: 2.62
Area: 19259
Amount: 29.690613
Amount Units: ug/L

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)

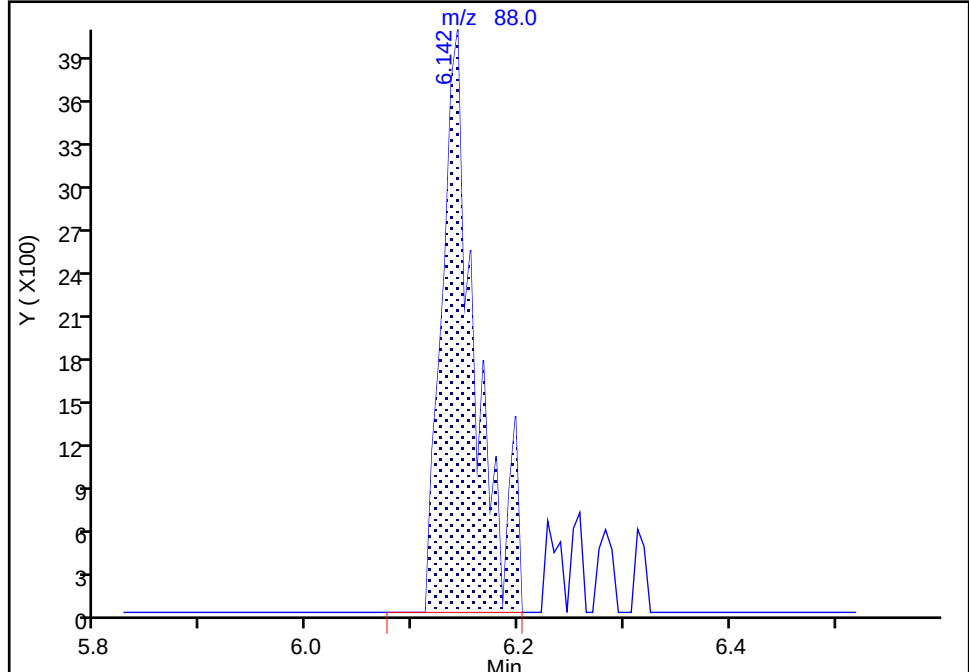
Detector: MS SCAN

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

Signal: 1

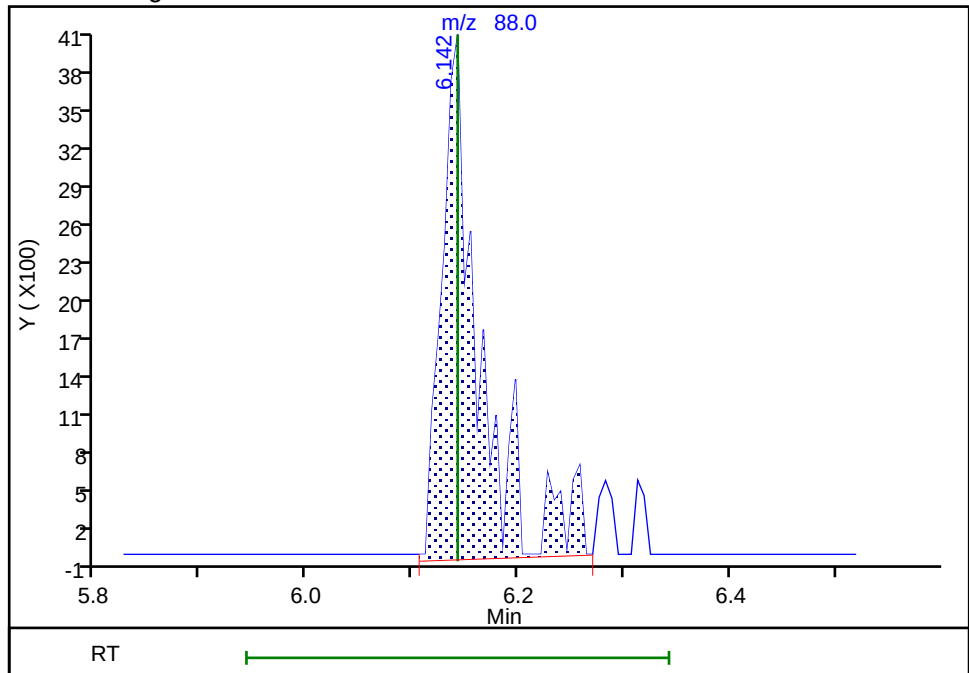
RT: 6.14
Area: 8859
Amount: 83.998777
Amount Units: ug/L

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

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

Operator ID: LH

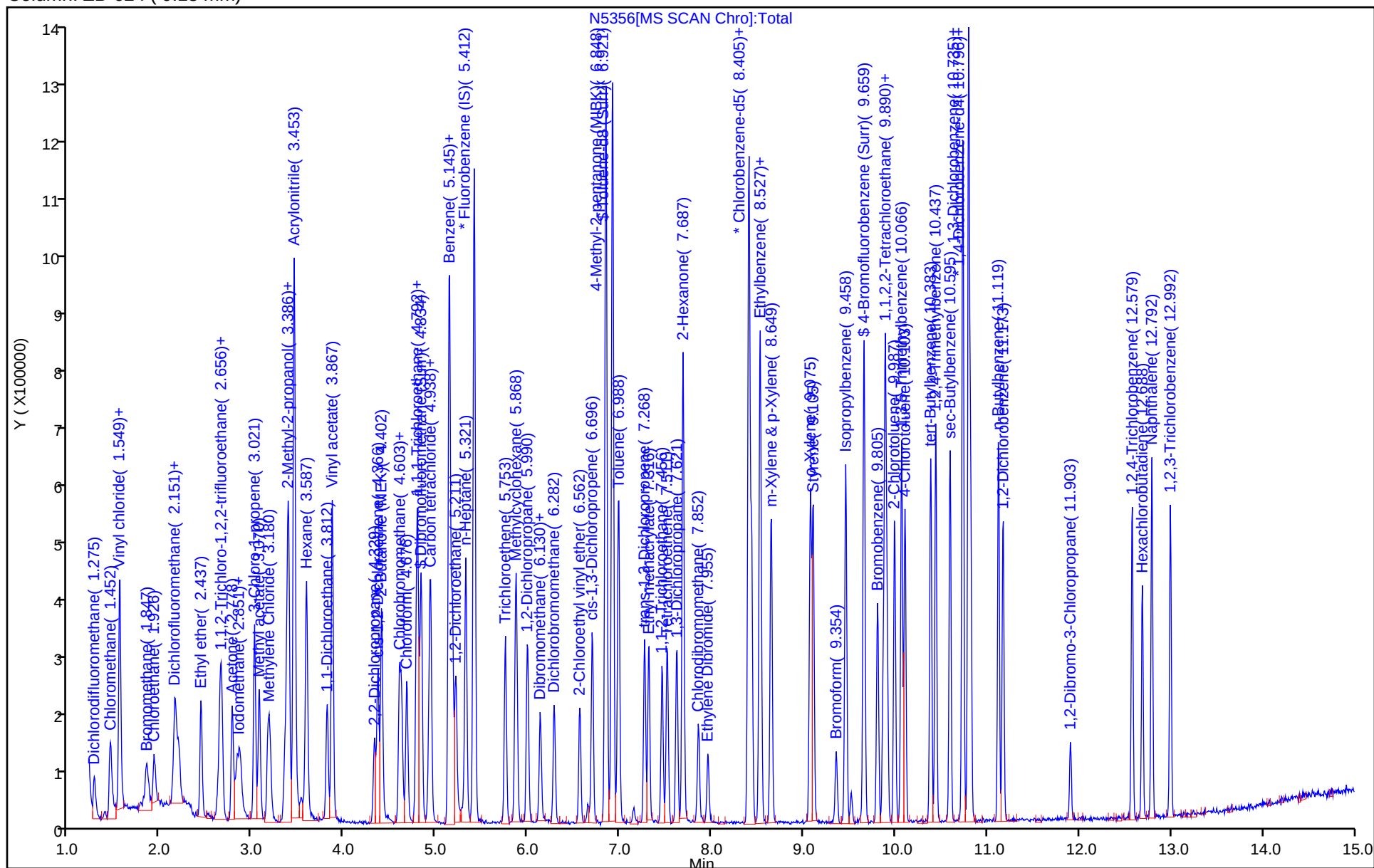
Worklist Smp#: 11

Client ID:

ALS Bottle#: 11

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

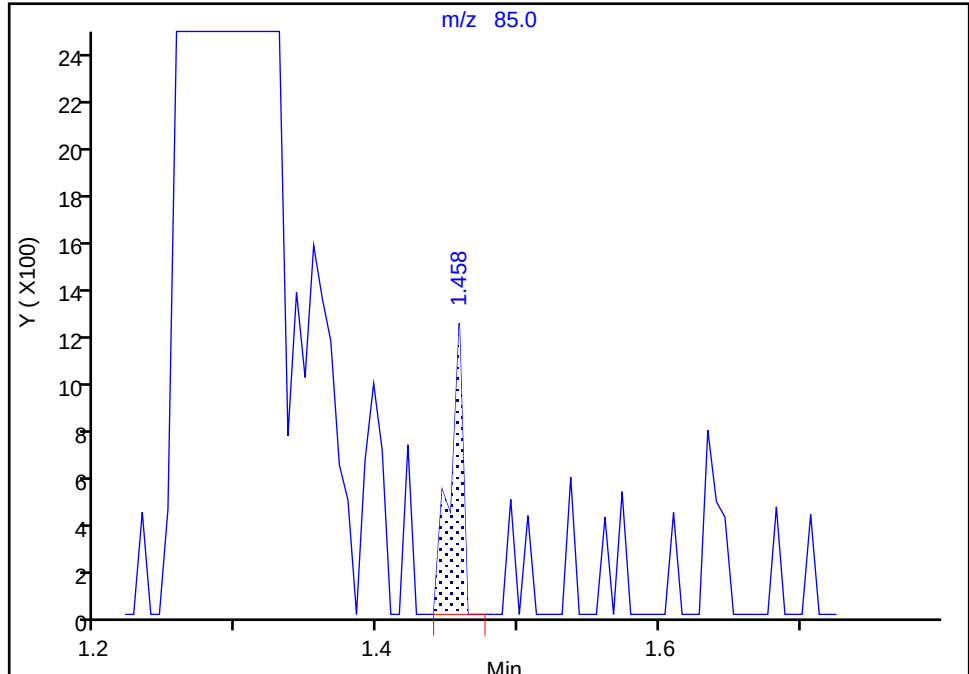
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Injection Date: 26-Aug-2021 14:12:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

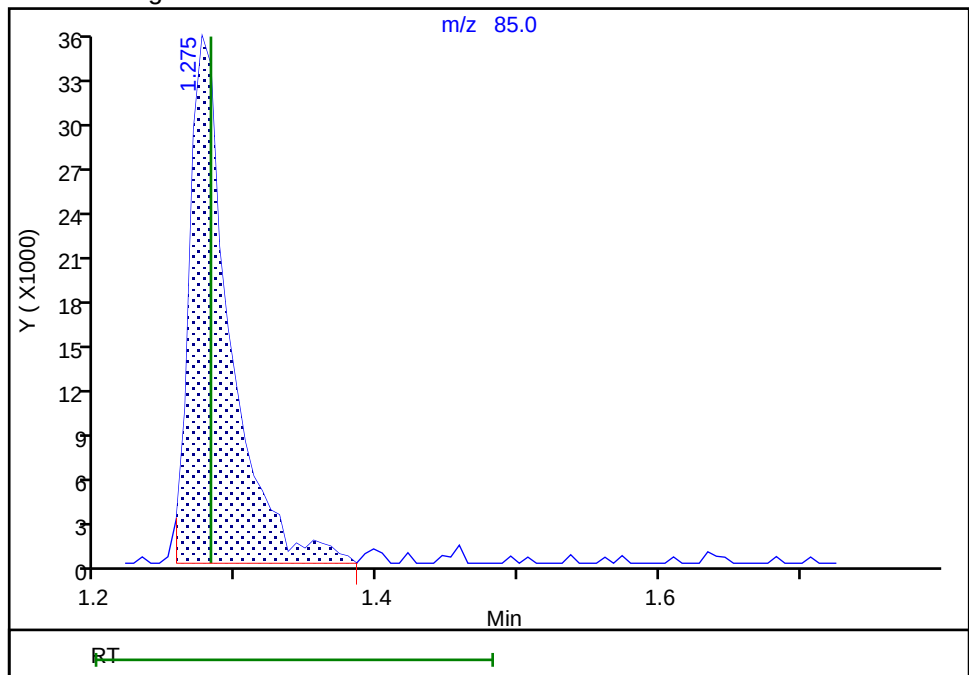
RT: 1.46
Area: 795
Amount: 0.121077
Amount Units: ug/L

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

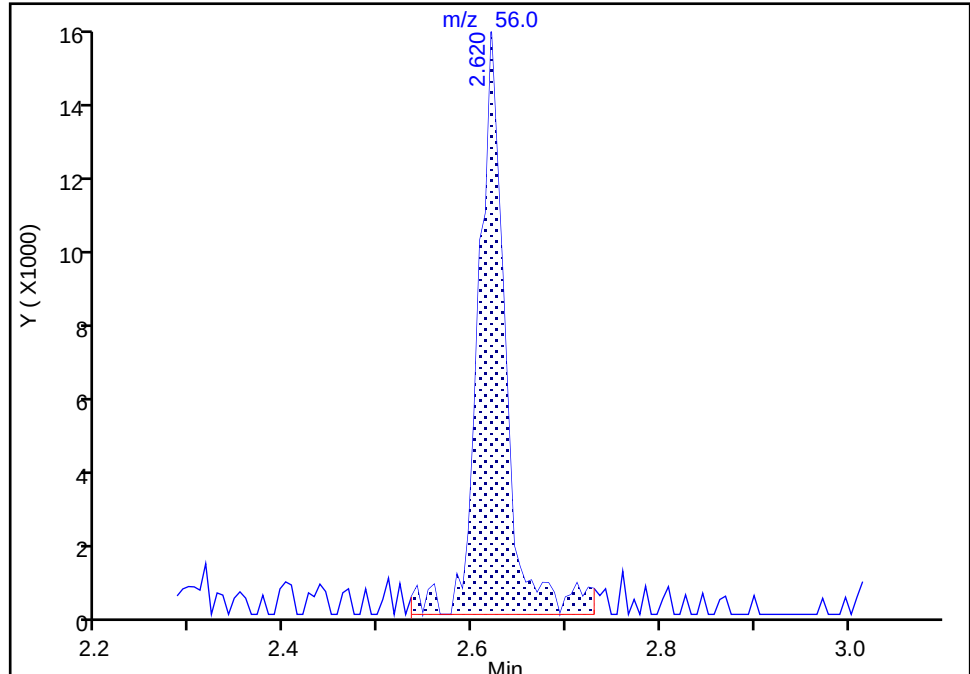
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Injection Date: 26-Aug-2021 14:12:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

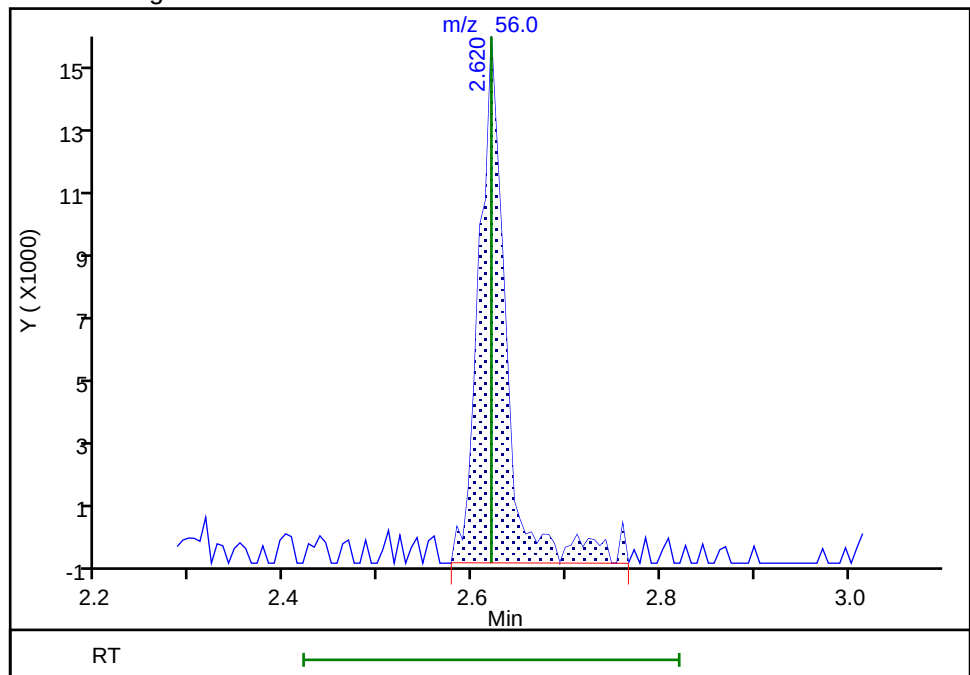
RT: 2.62
Area: 32383
Amount: 50.688232
Amount Units: ug/L

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

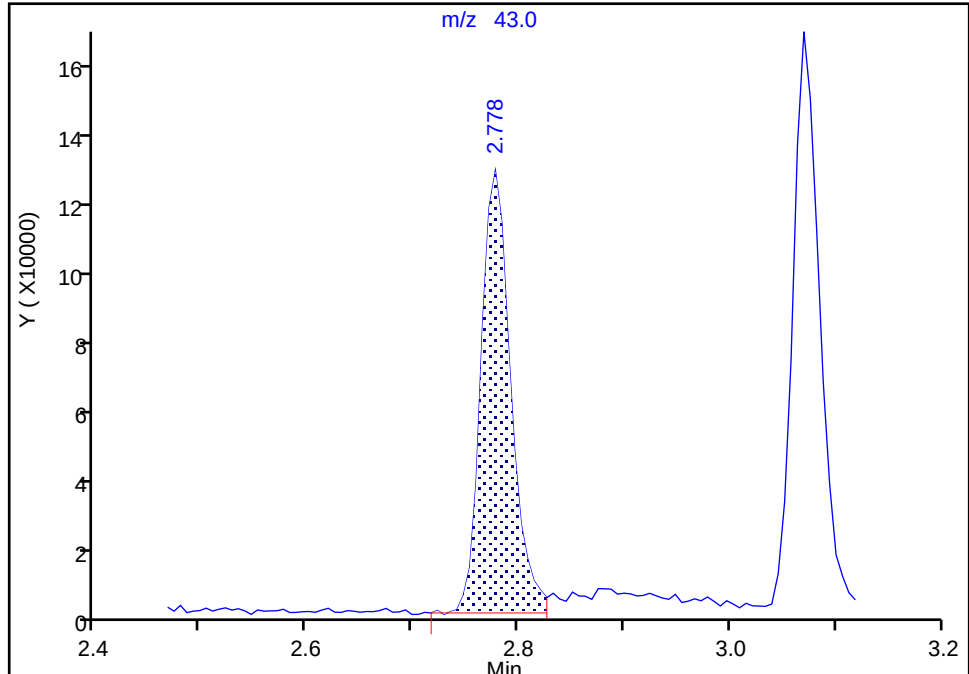
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Injection Date: 26-Aug-2021 14:12:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

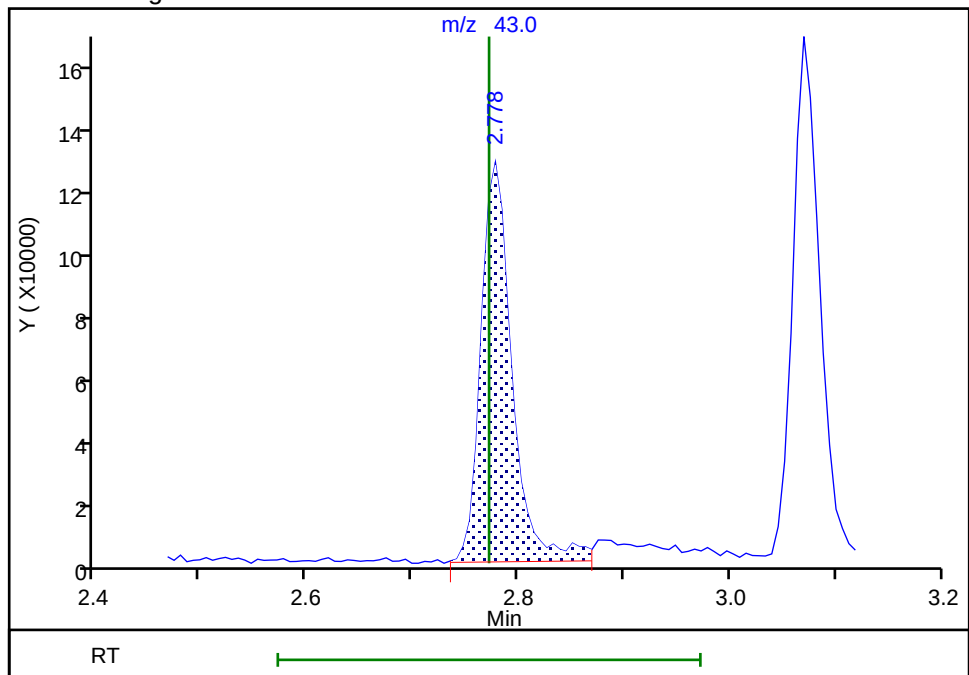
RT: 2.78
Area: 250497
Amount: 47.388945
Amount Units: ug/L

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
Page 164 of 333

08/31/2021

Eurofins TestAmerica, Buffalo

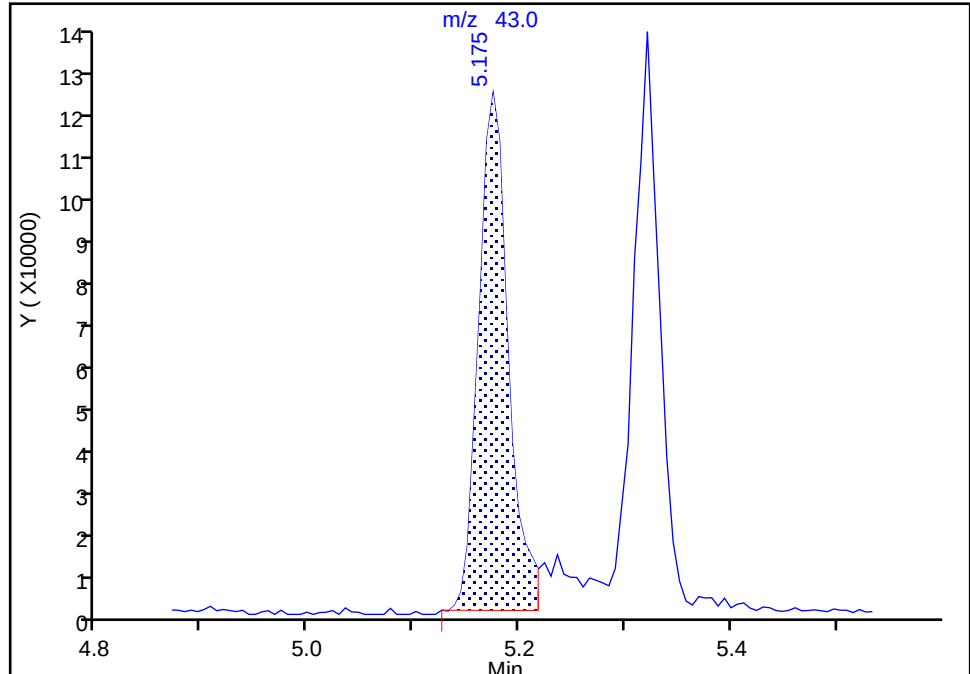
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Injection Date: 26-Aug-2021 14:12:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

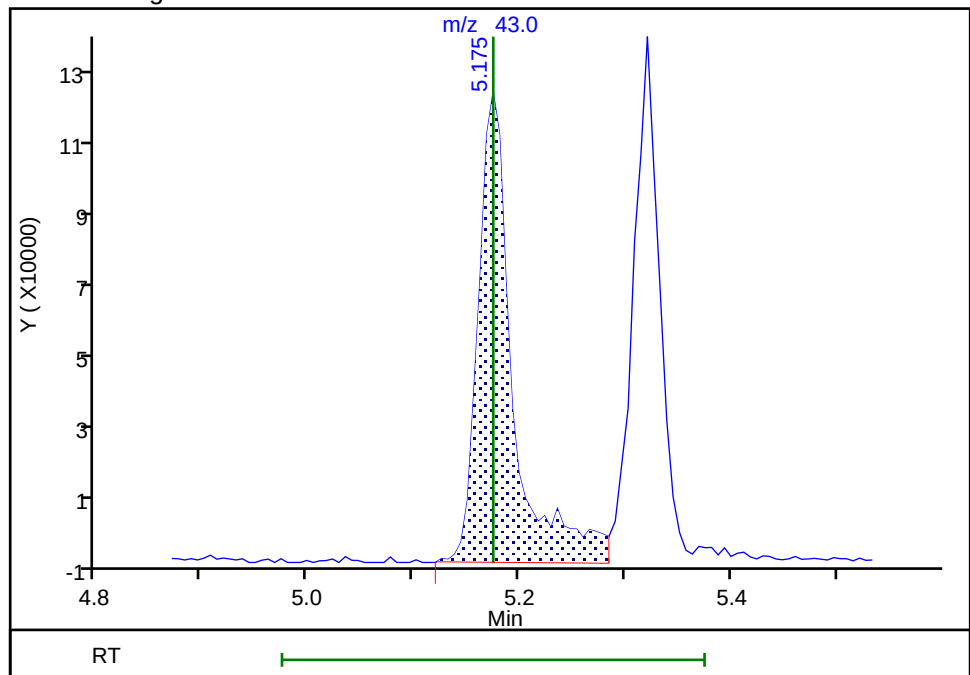
RT: 5.17
Area: 228061
Amount: 195.3437
Amount Units: ug/L

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 165 of 333

08/31/2021

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

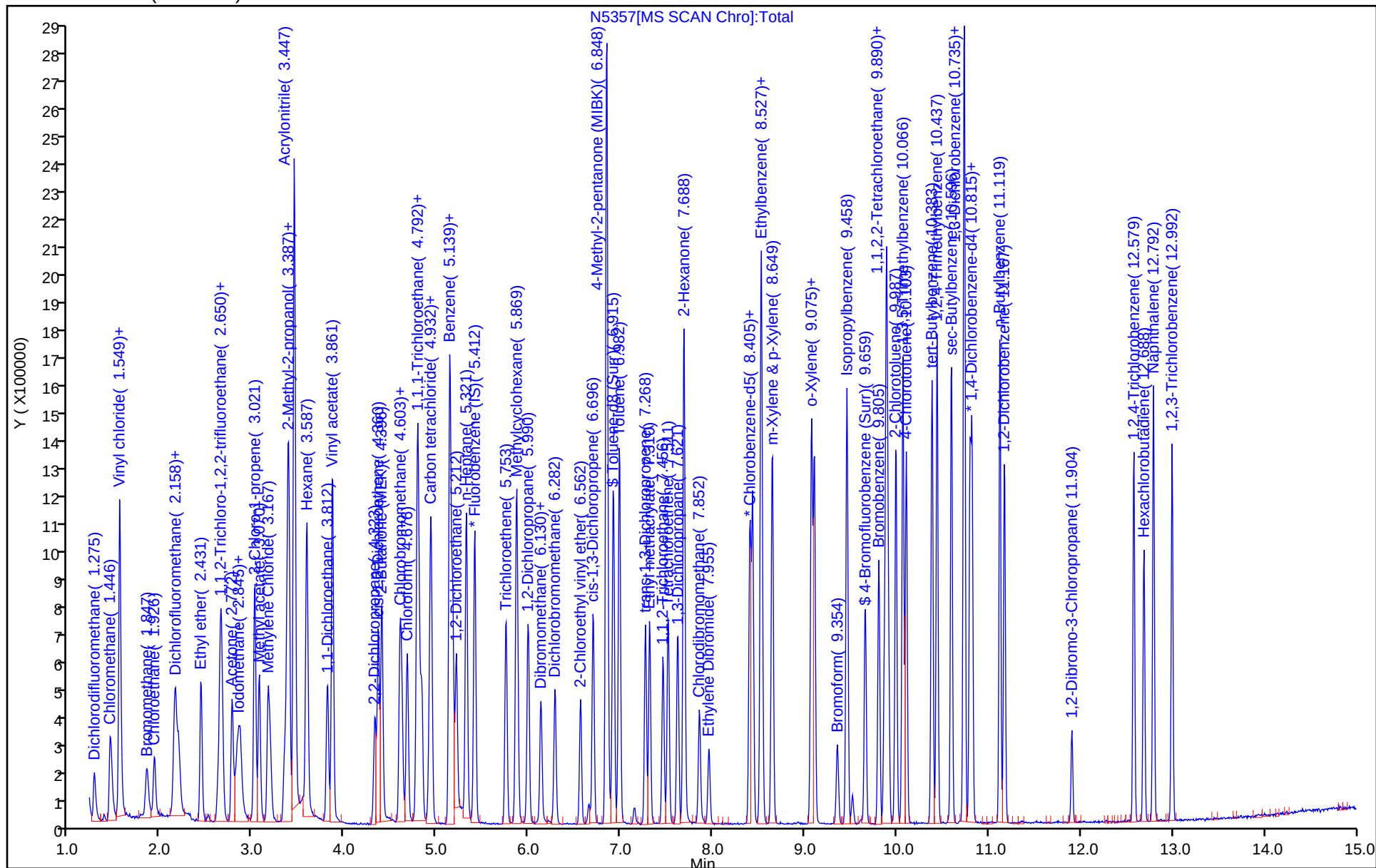
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

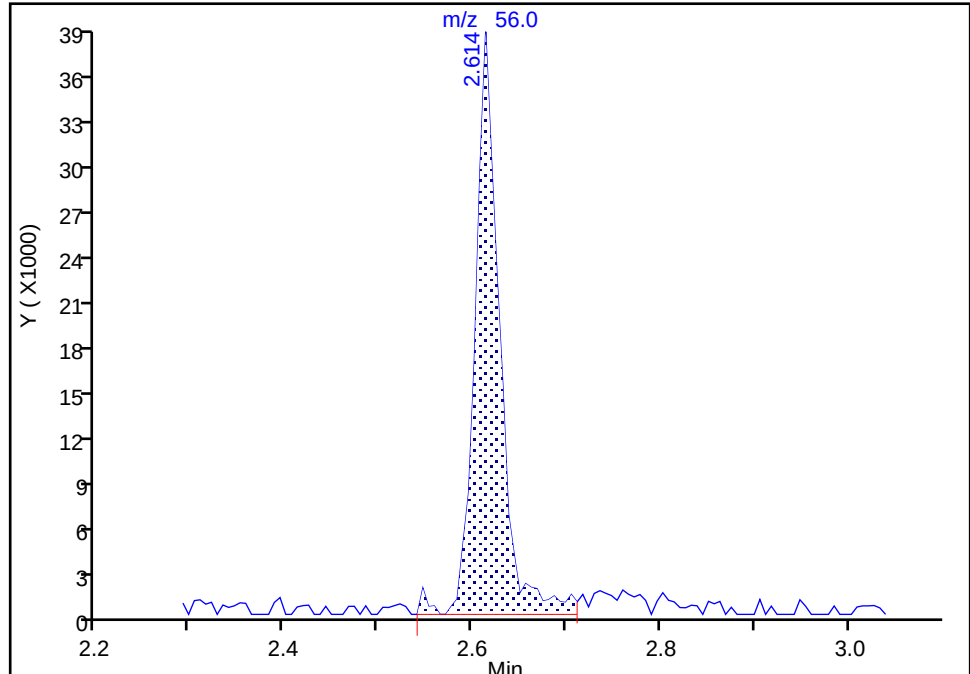
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210826-100628.b\N5357.D
Injection Date: 26-Aug-2021 14:35:30 Instrument ID: HP5973N
Lims ID: ICIS 5
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

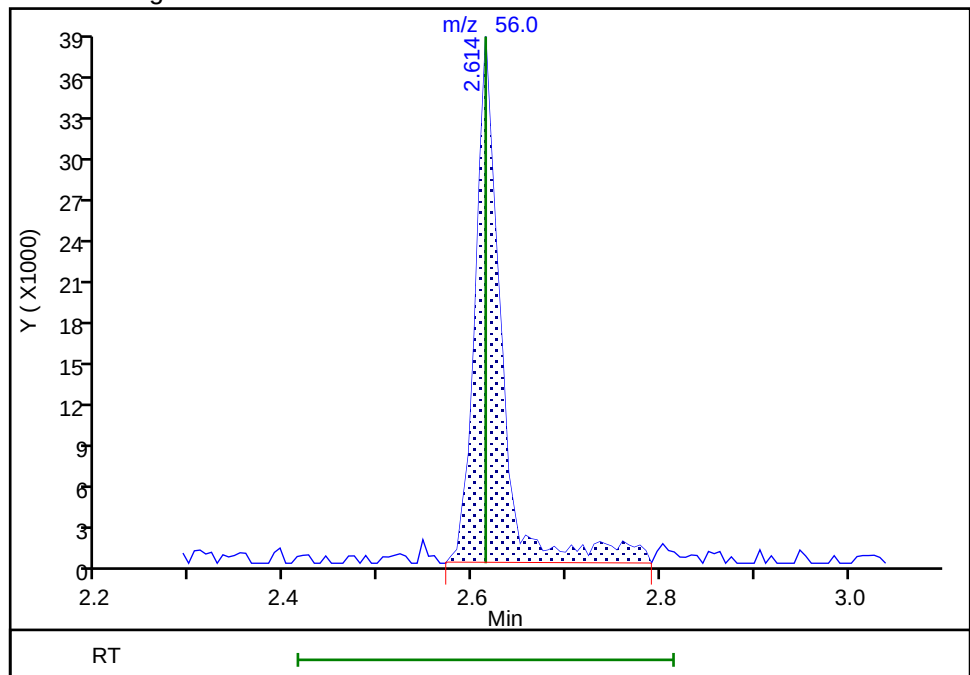
RT: 2.61
Area: 70285
Amount: 116.1918
Amount Units: ug/L

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

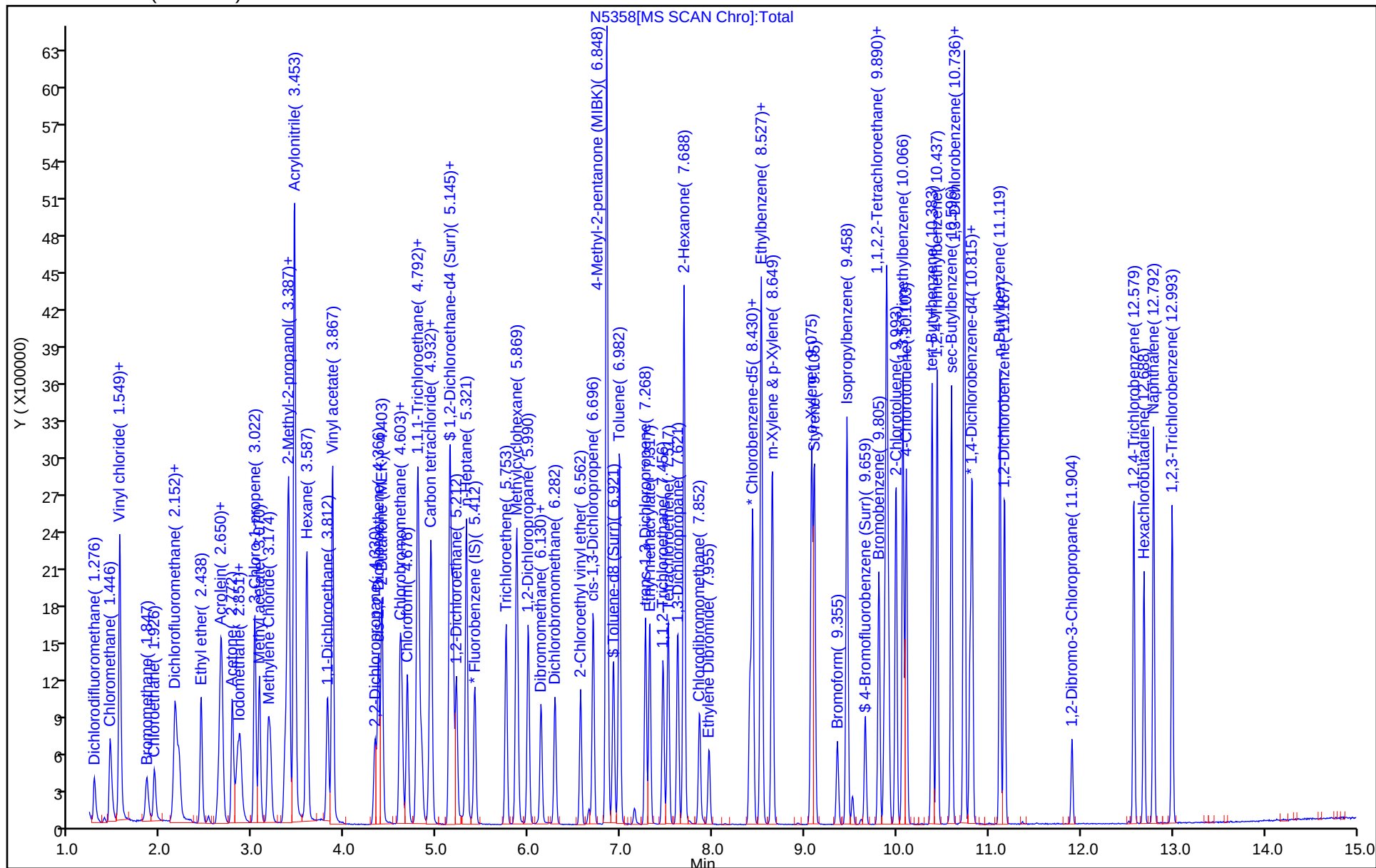
Amount Added: 1.00

Units: uL

Run Reagent

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

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

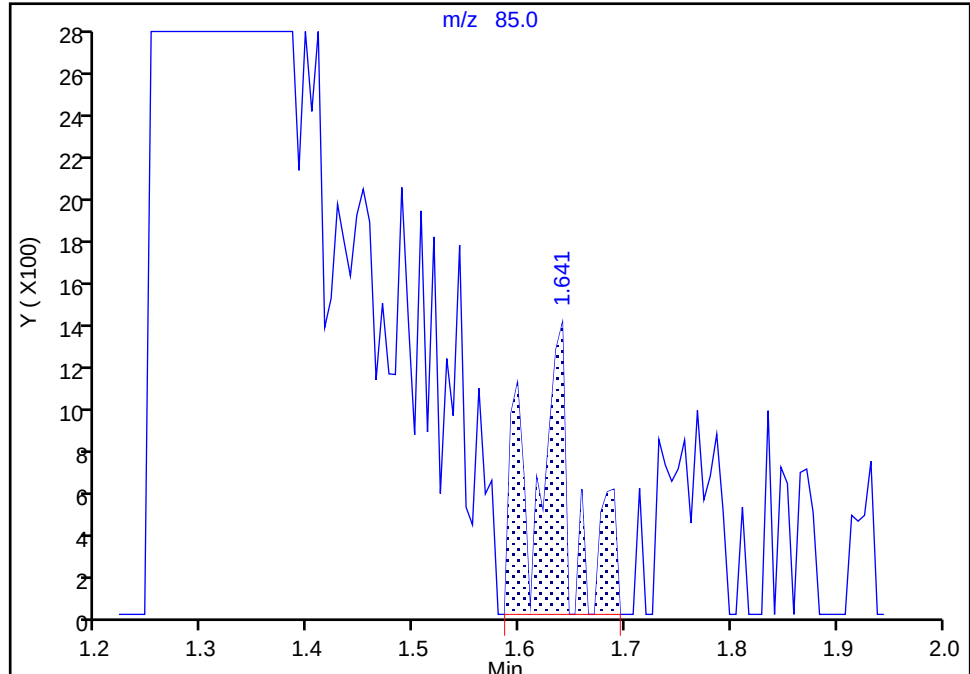
MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

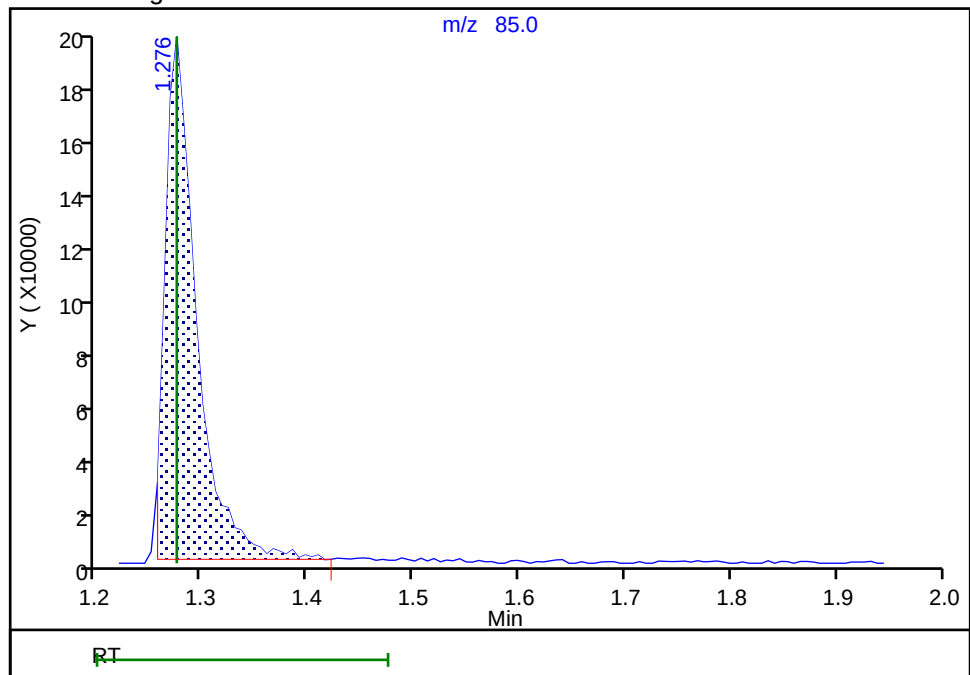
RT: 1.64
Area: 3432
Amount: 0.500014
Amount Units: ug/L

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

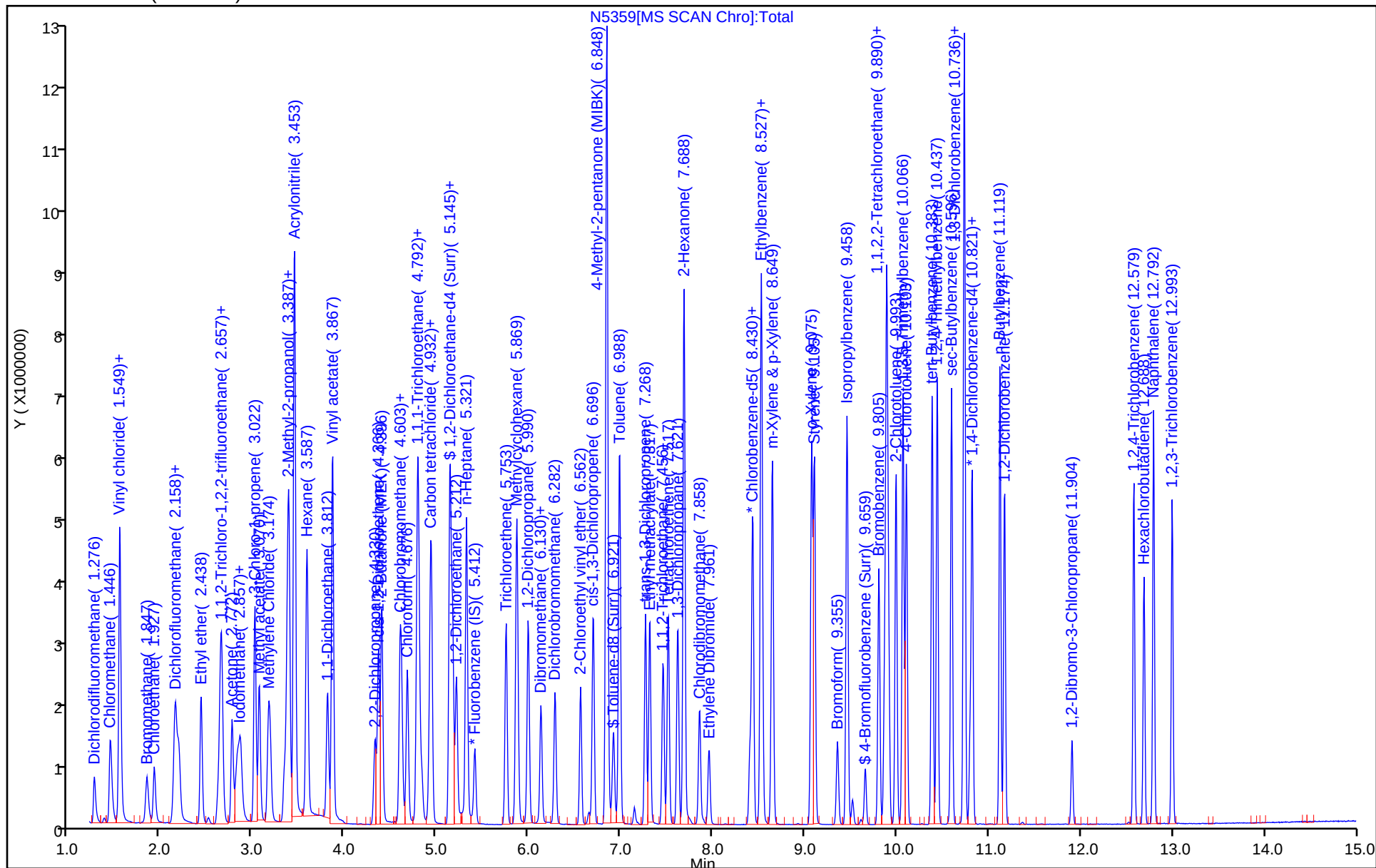
Dil. Factor: 1.0000

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

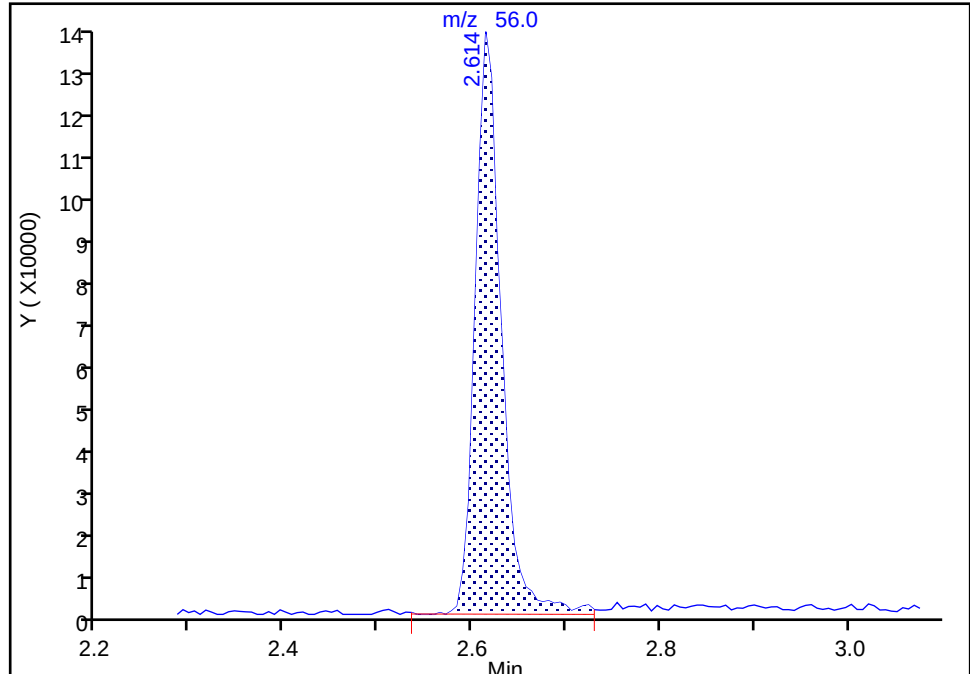
MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

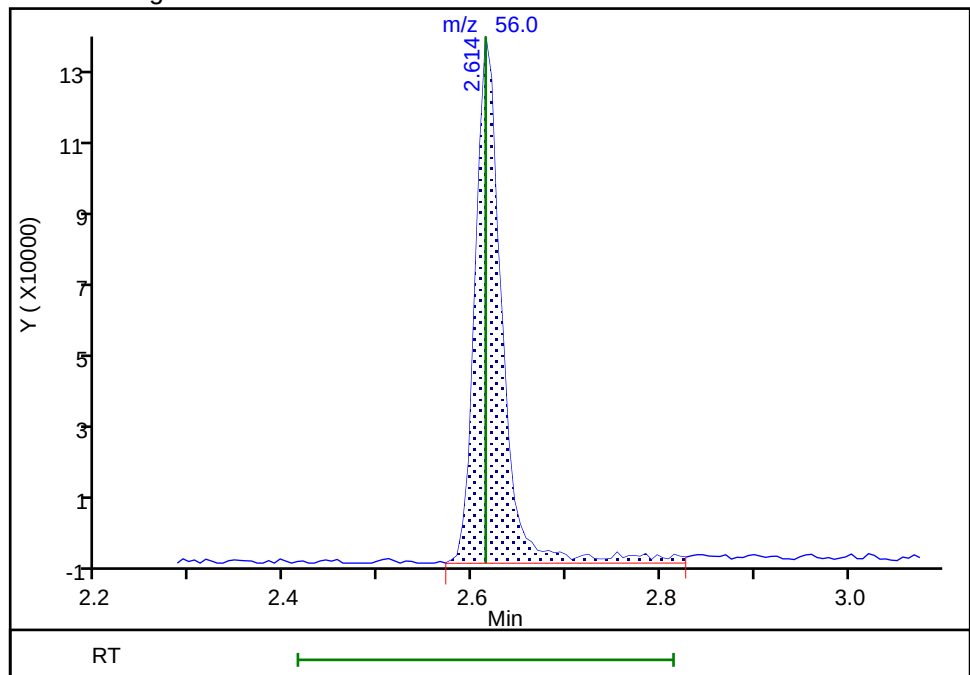
RT: 2.61
Area: 261288
Amount: 417.3395
Amount Units: ug/L

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)

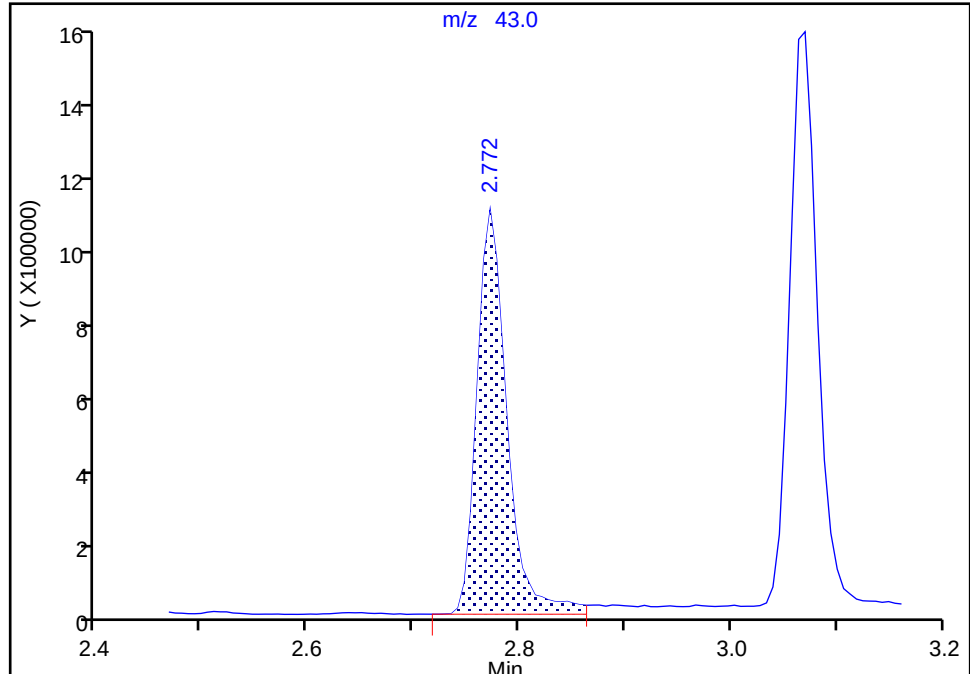
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

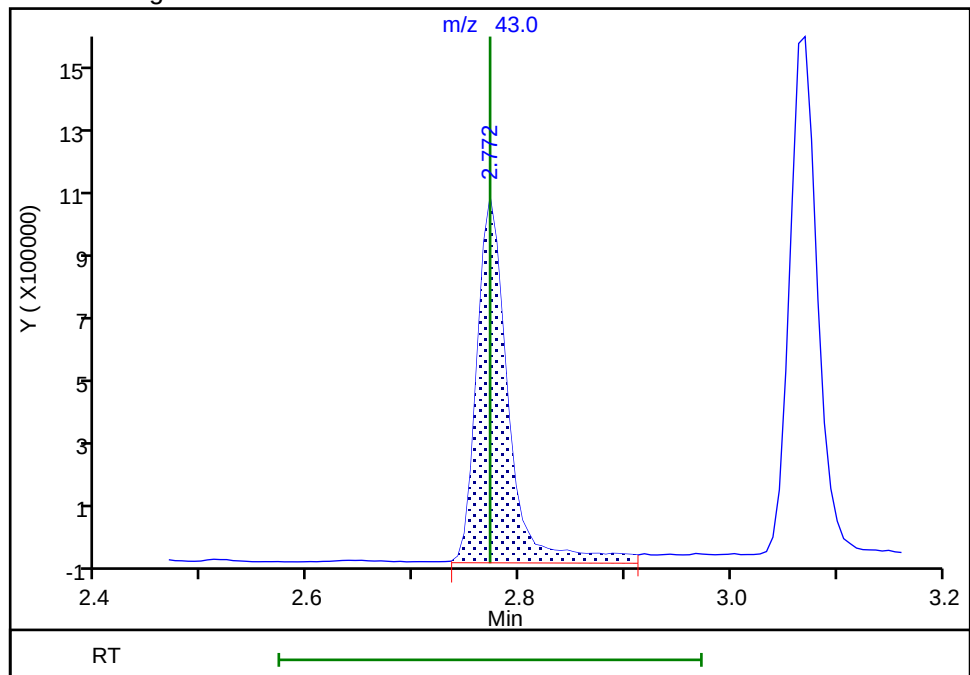
RT: 2.77
Area: 2134635
Amount: 413.6580
Amount Units: ug/L

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

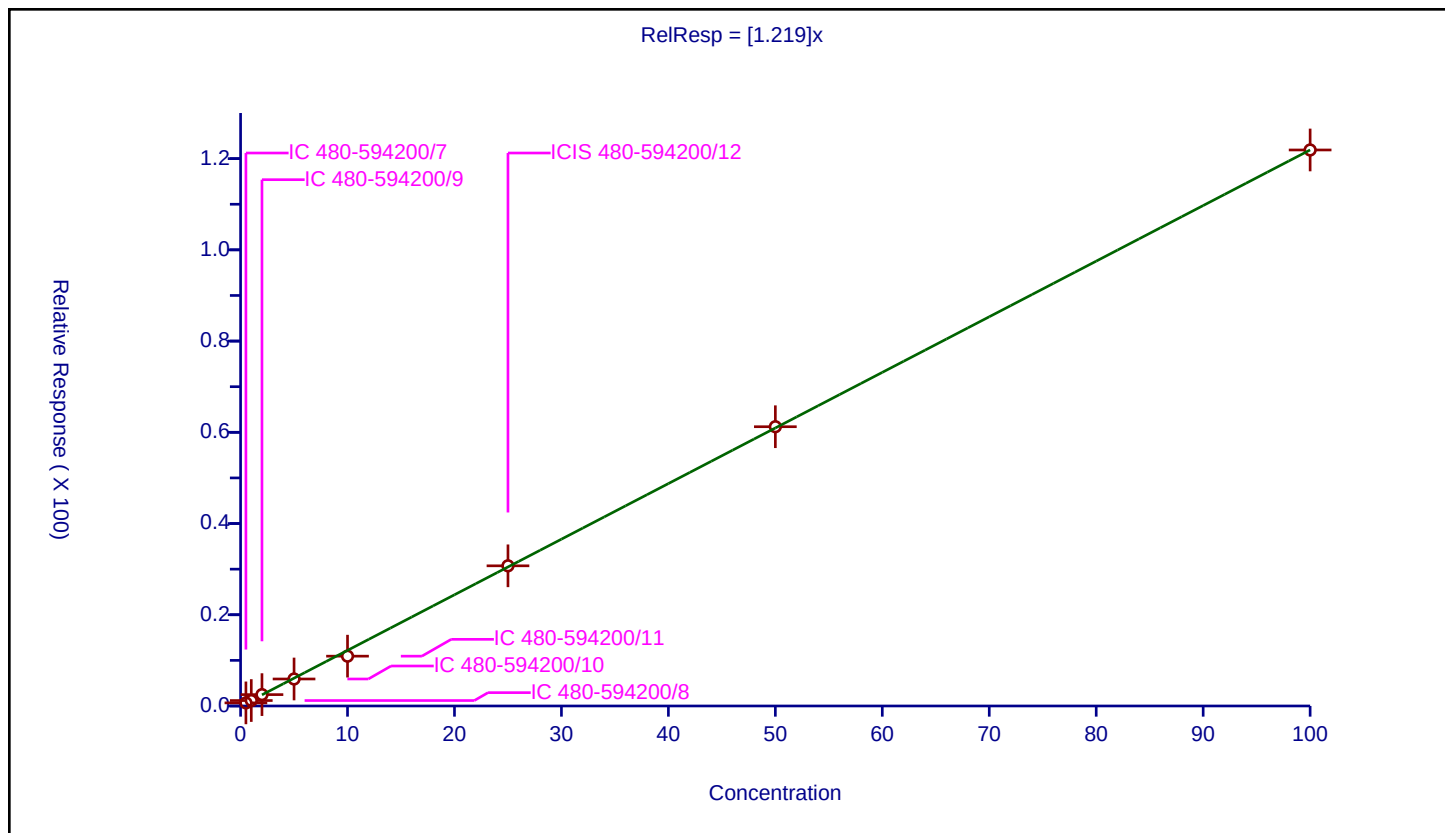
Curve Coefficients

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

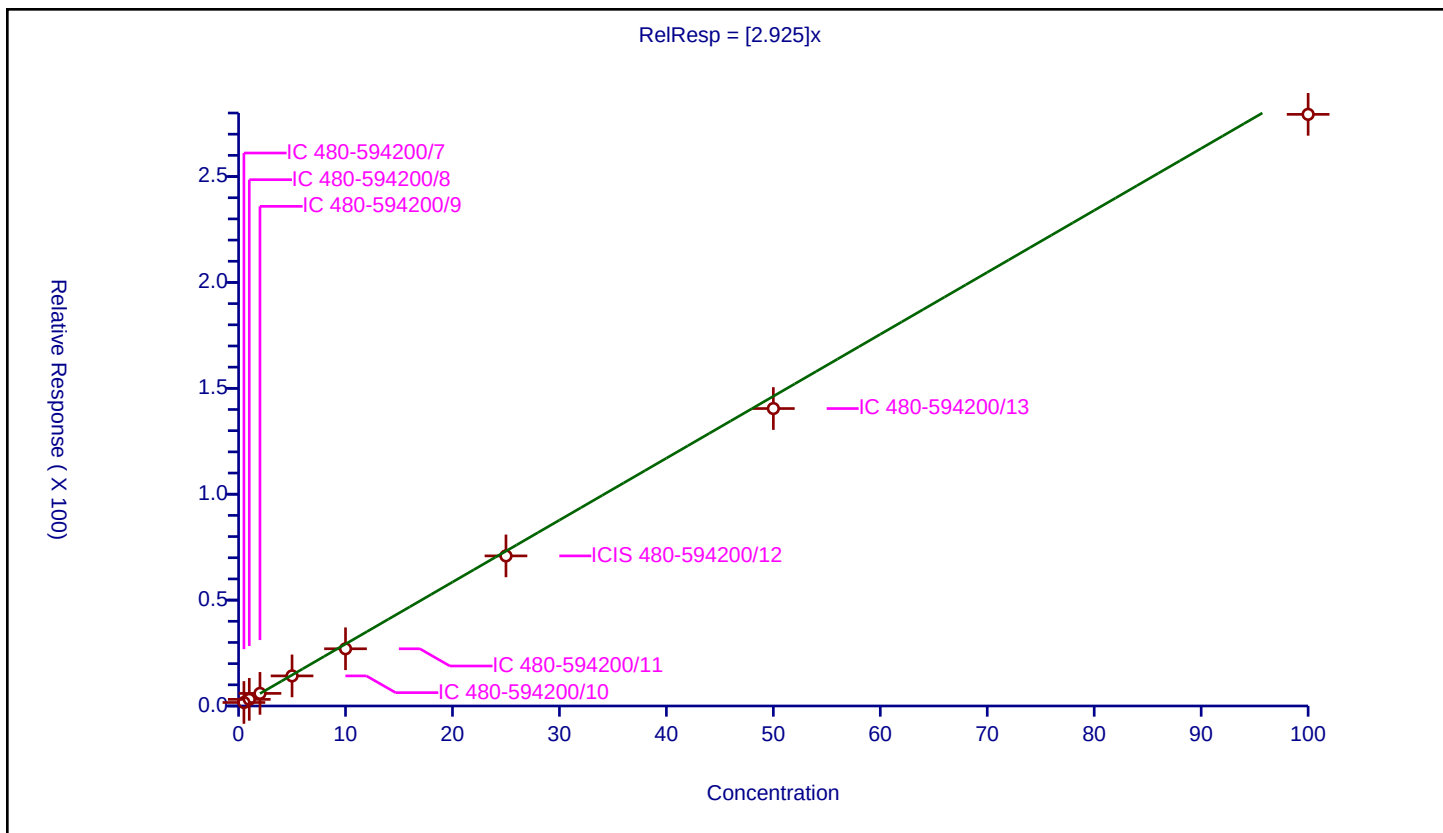
Curve Coefficients

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

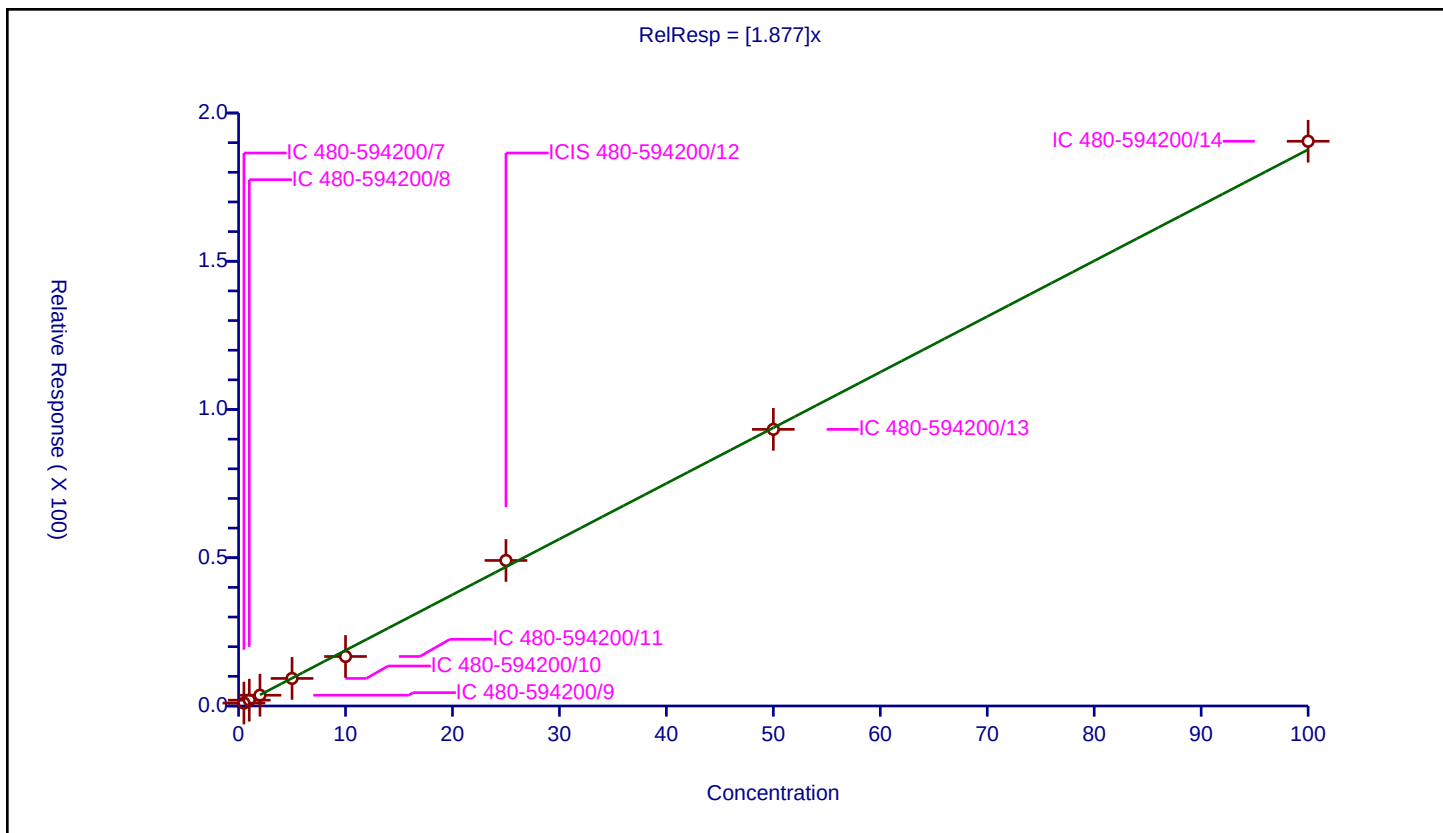
Curve Coefficients

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

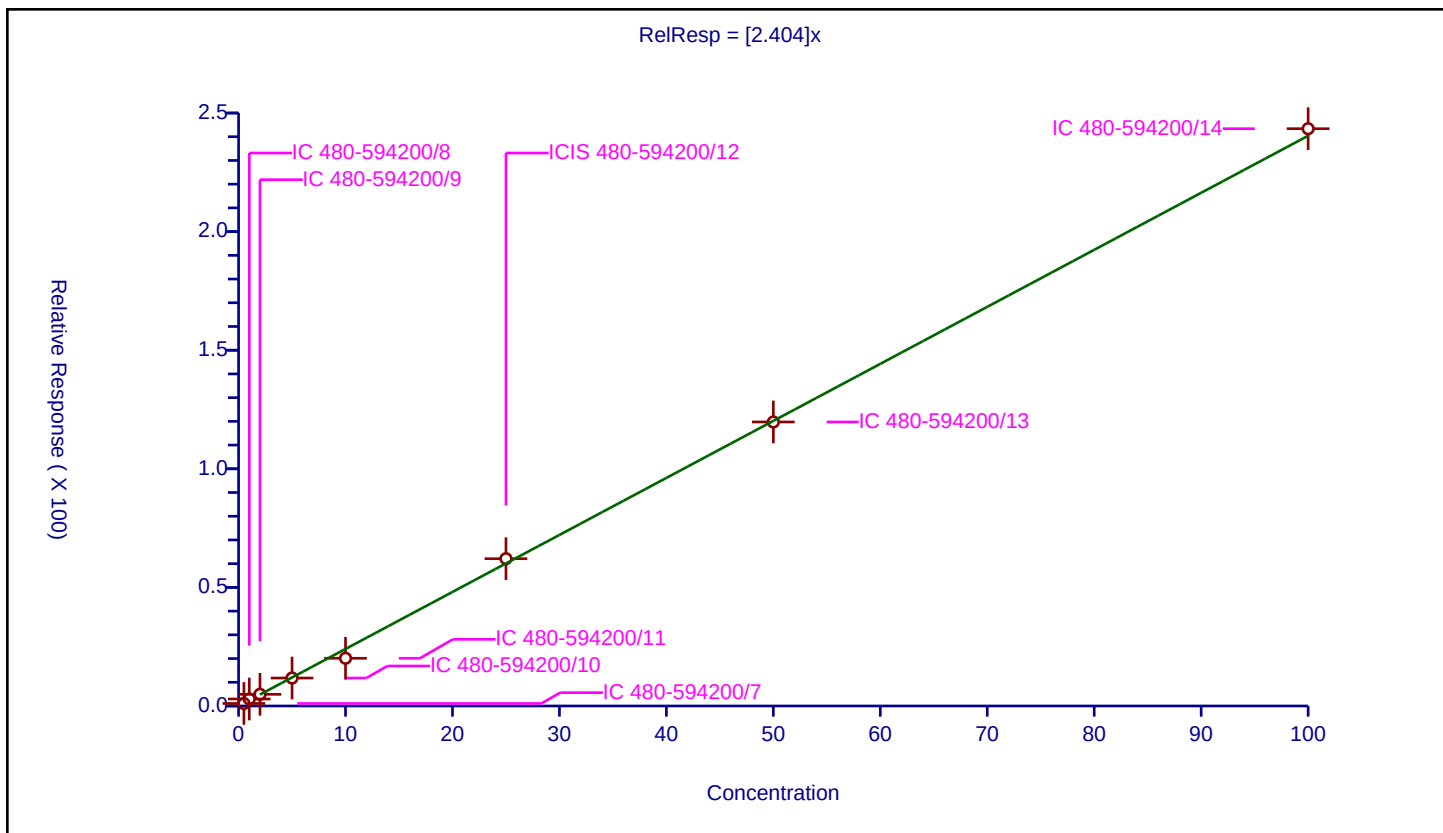
Curve Coefficients

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

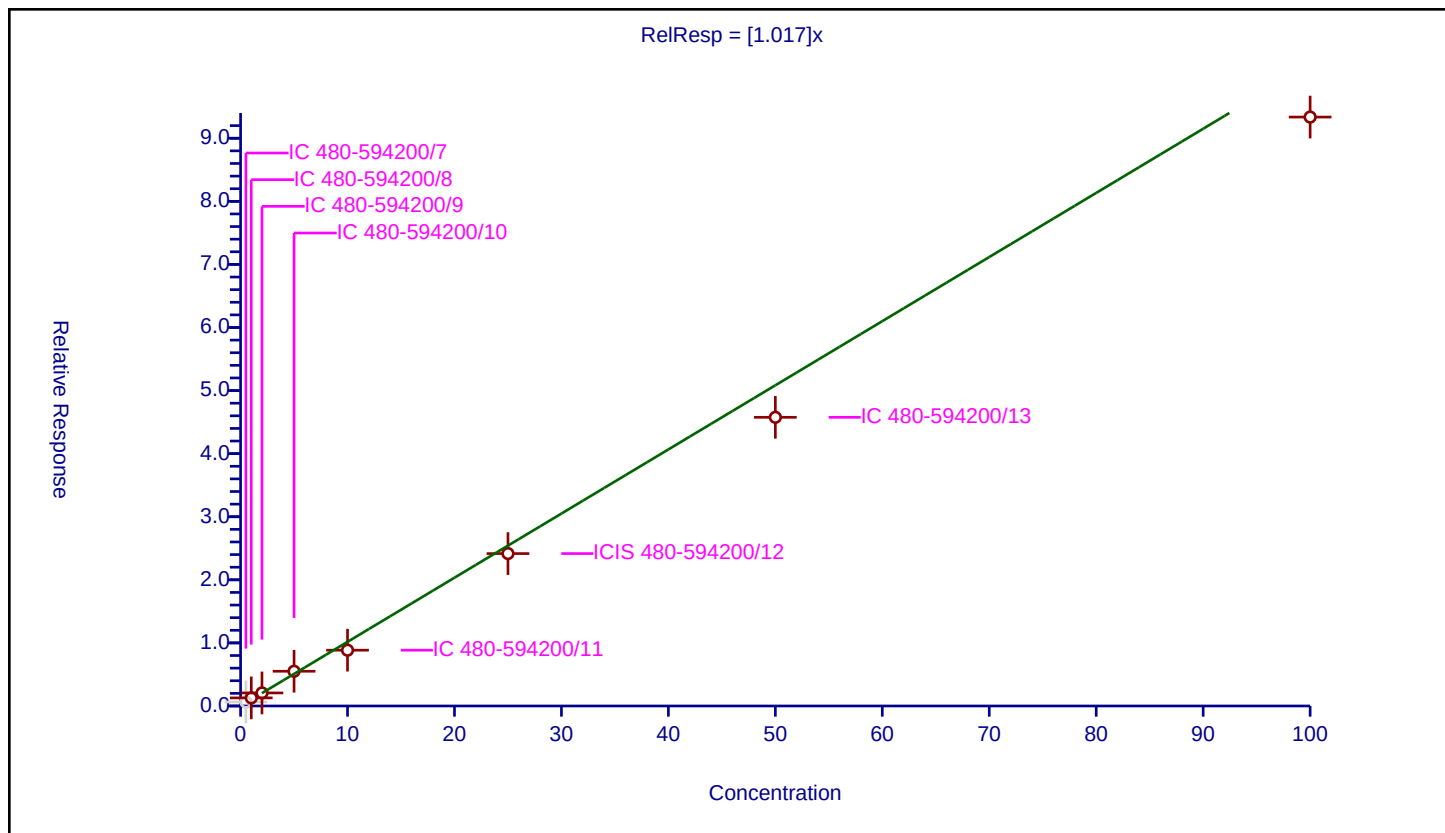
Curve Coefficients

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

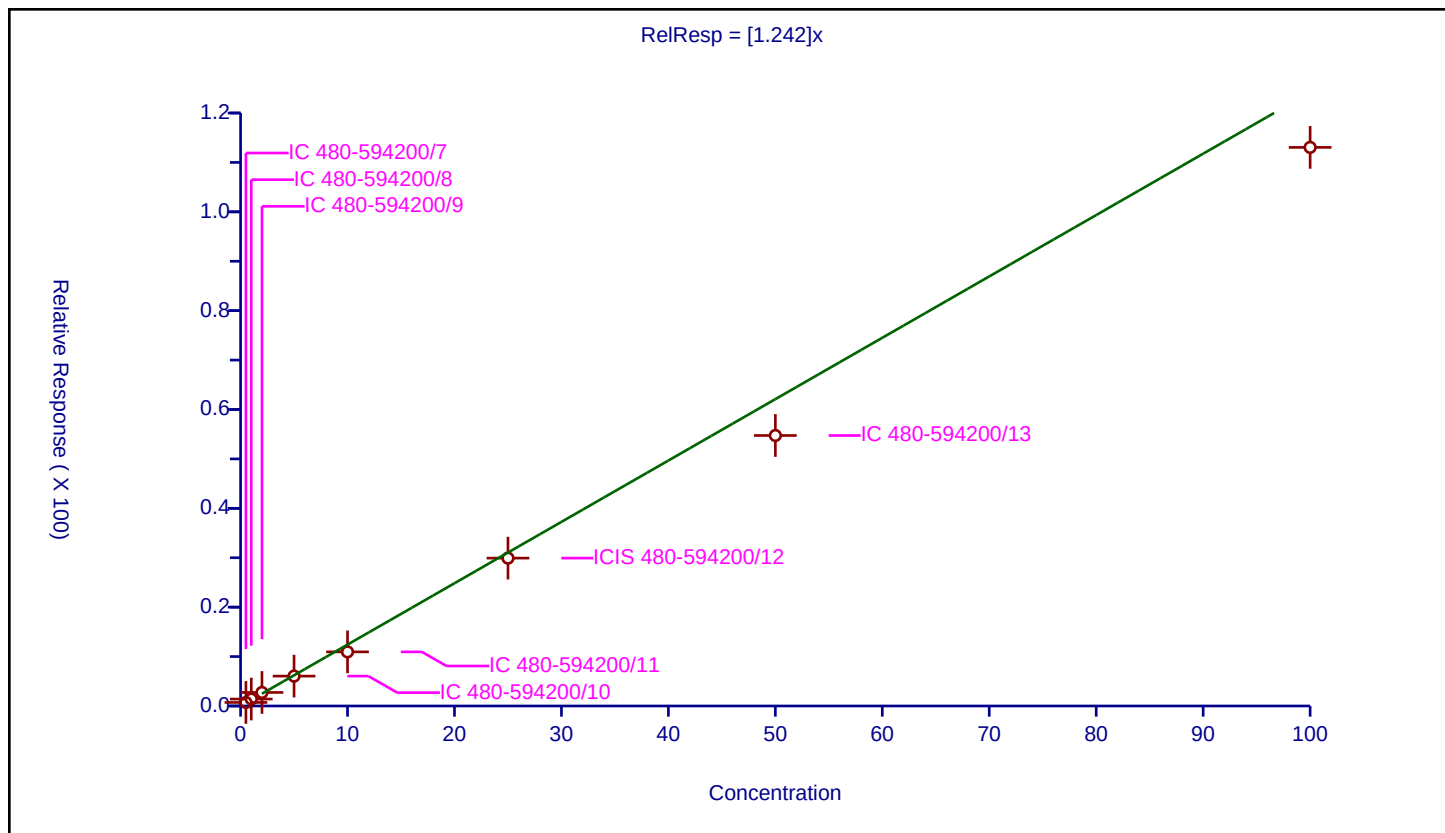
Curve Coefficients

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

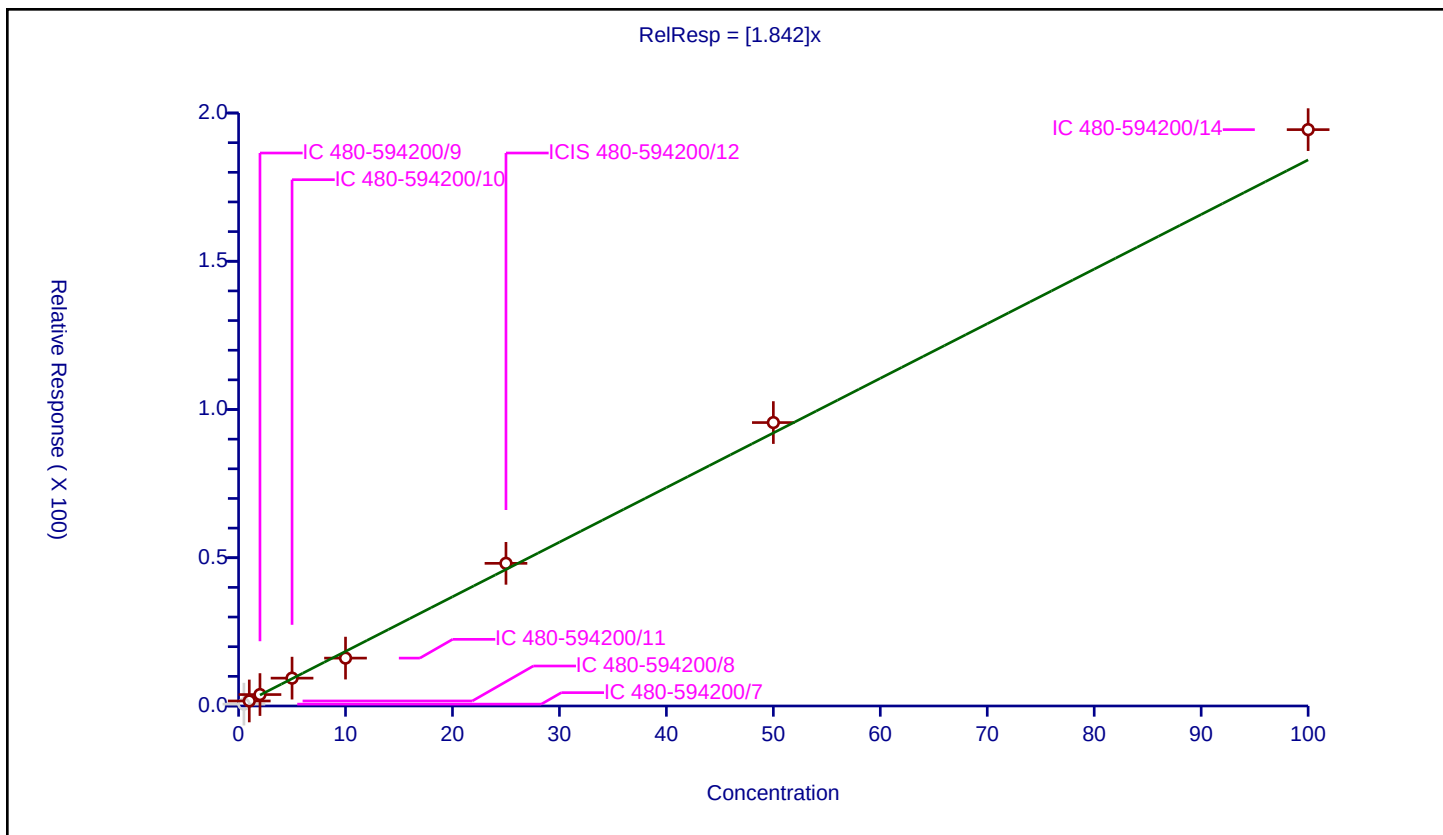
Curve Coefficients

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

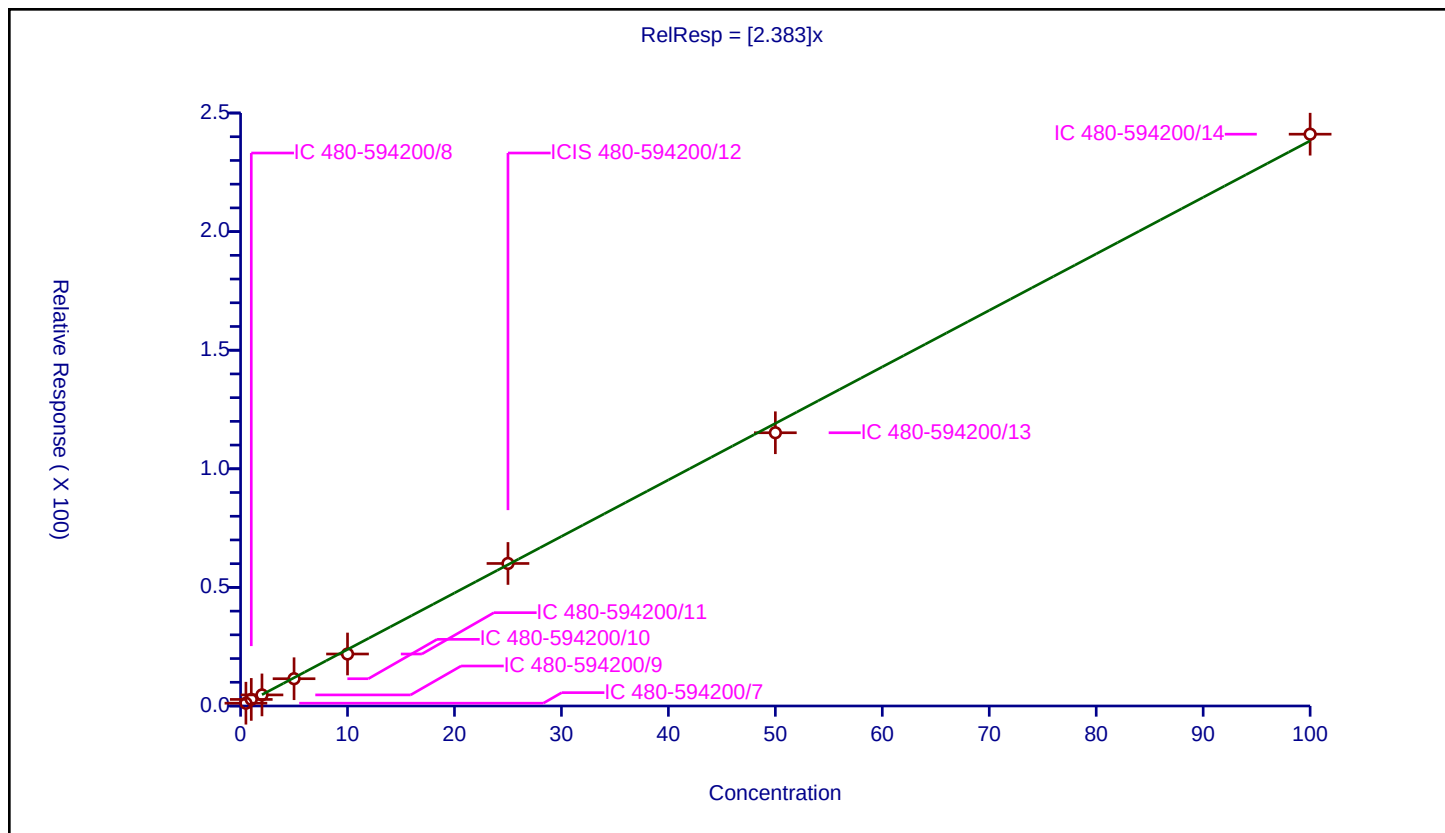
Curve Coefficients

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

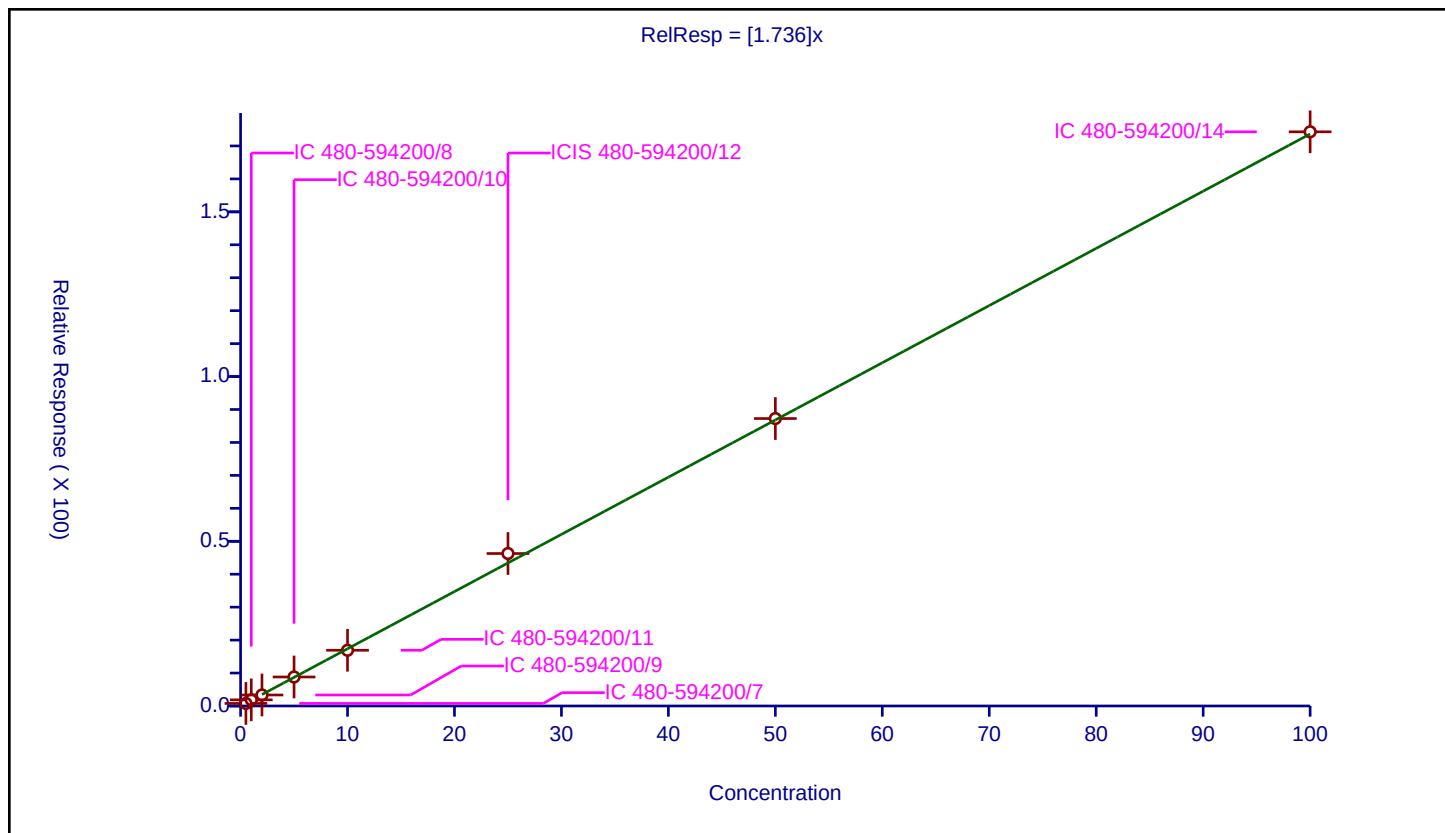
Curve Coefficients

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

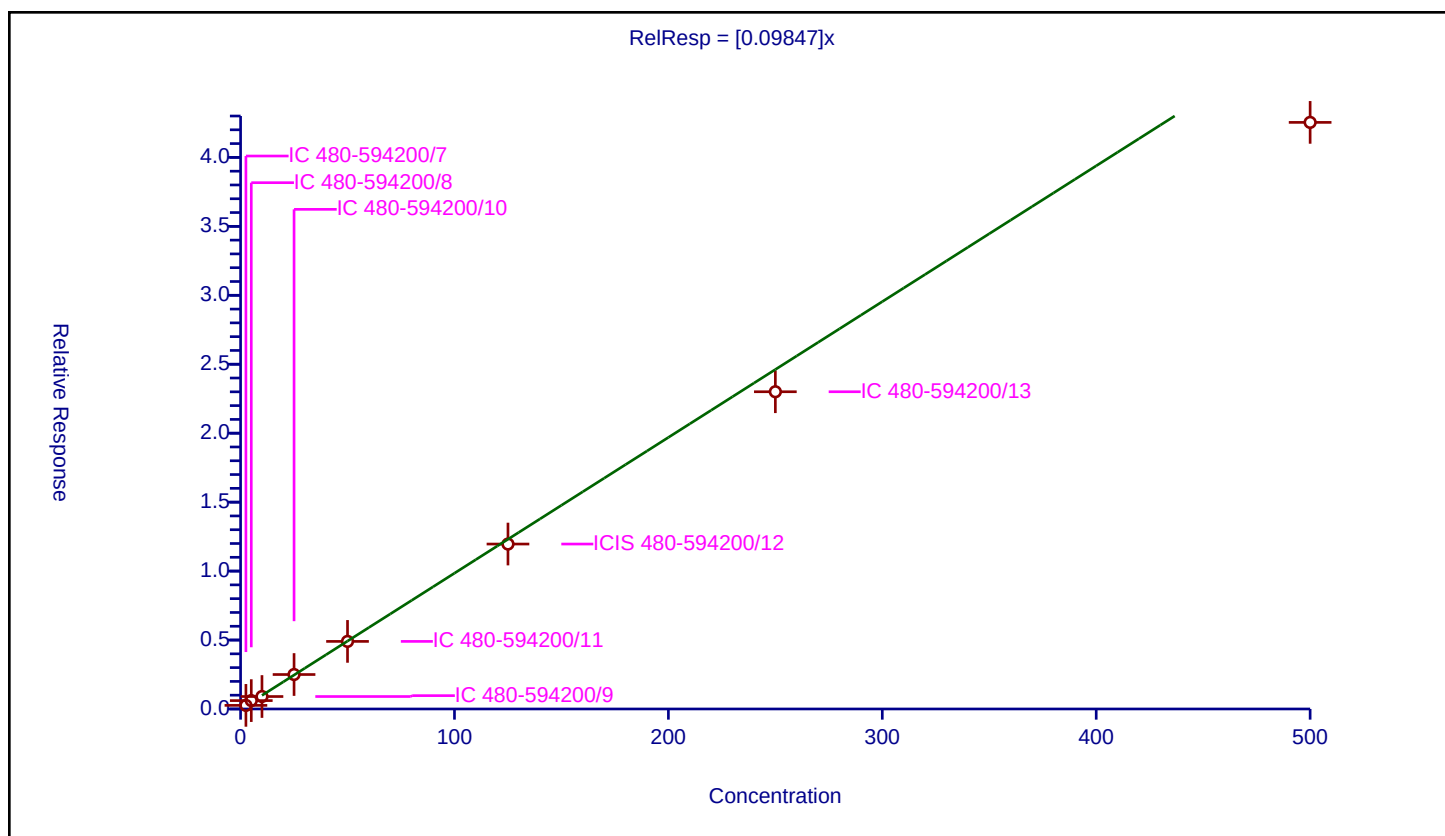
Curve Coefficients

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

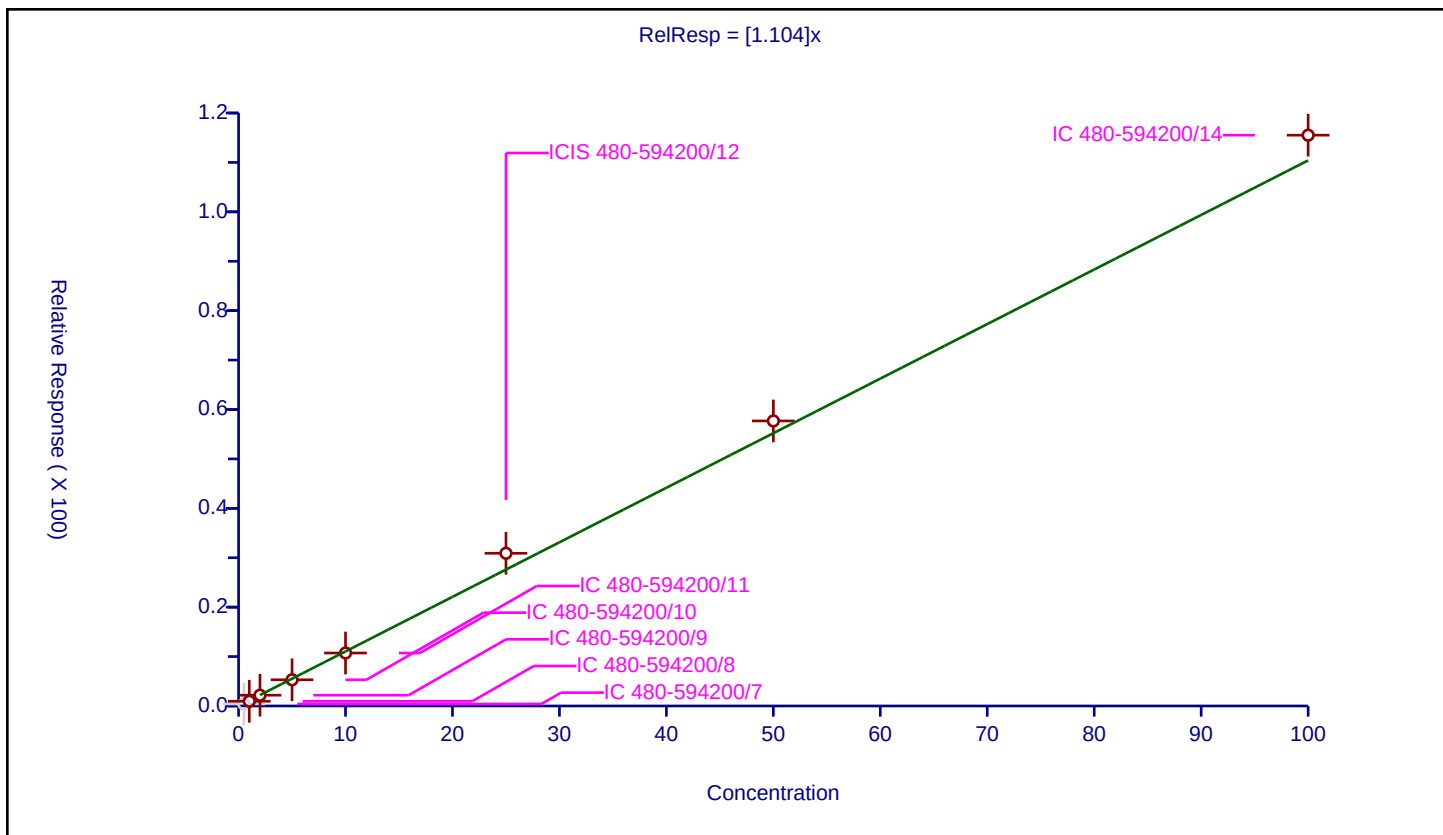
Curve Coefficients

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

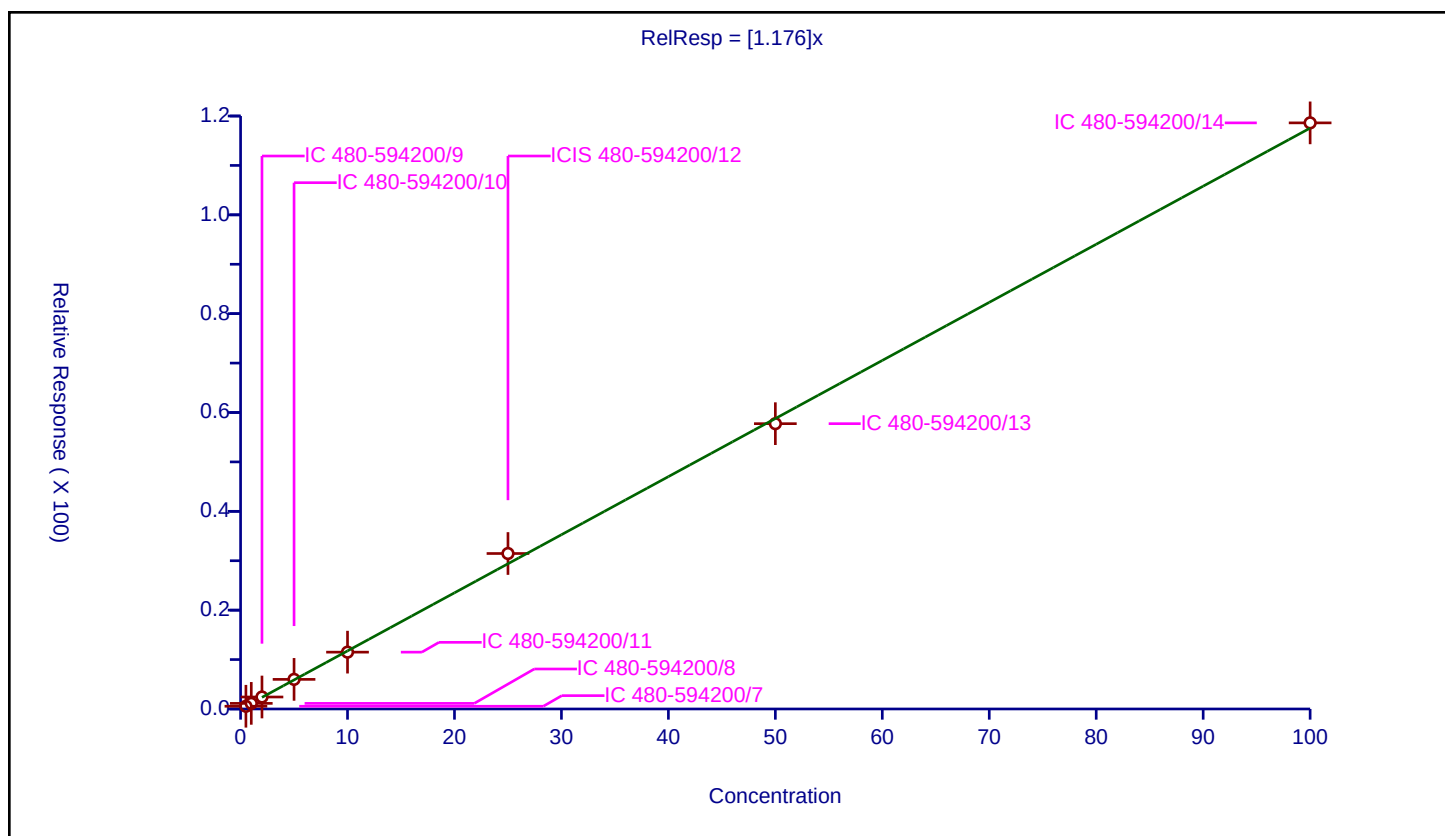
Curve Coefficients

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

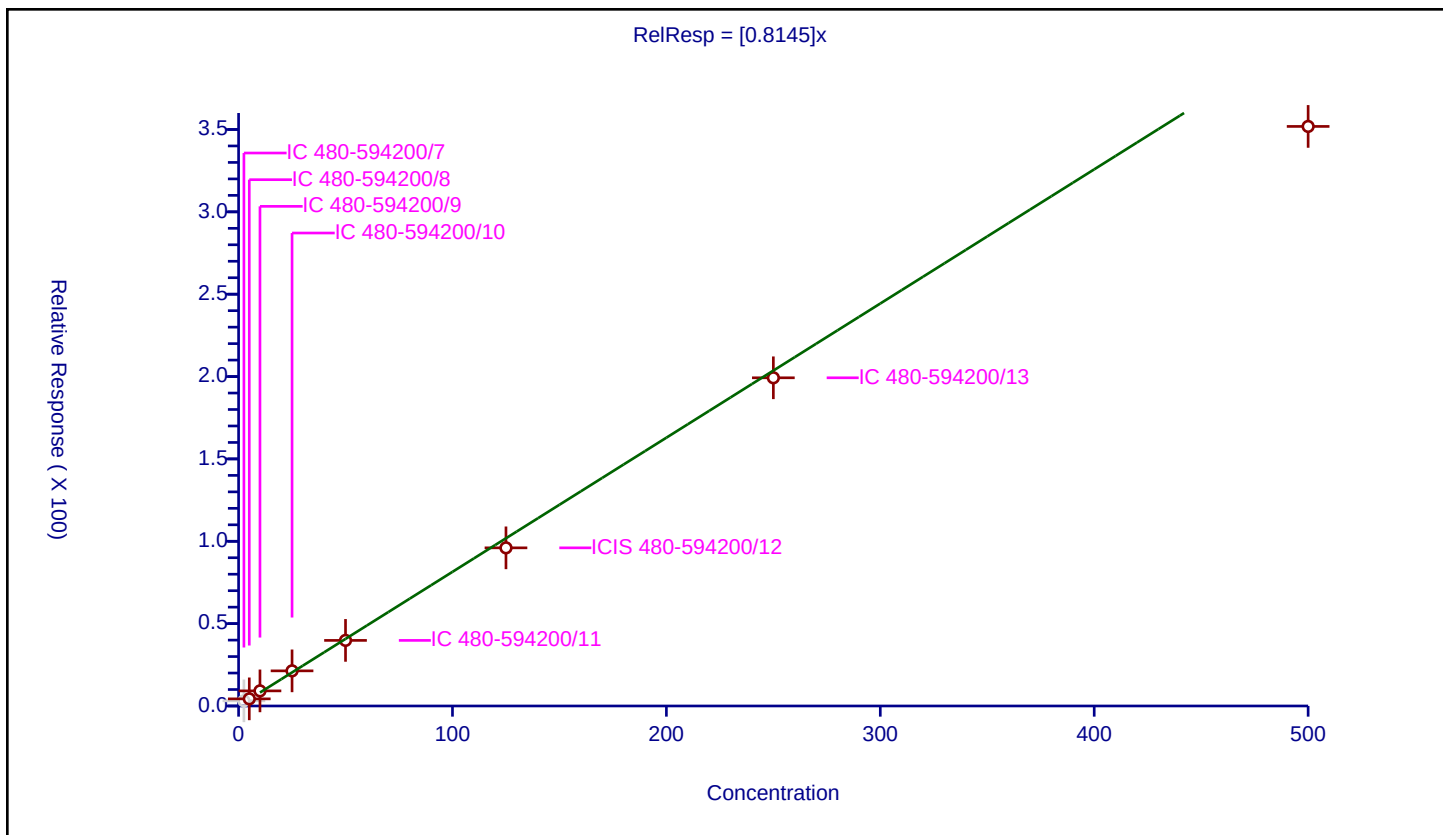
Curve Coefficients

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

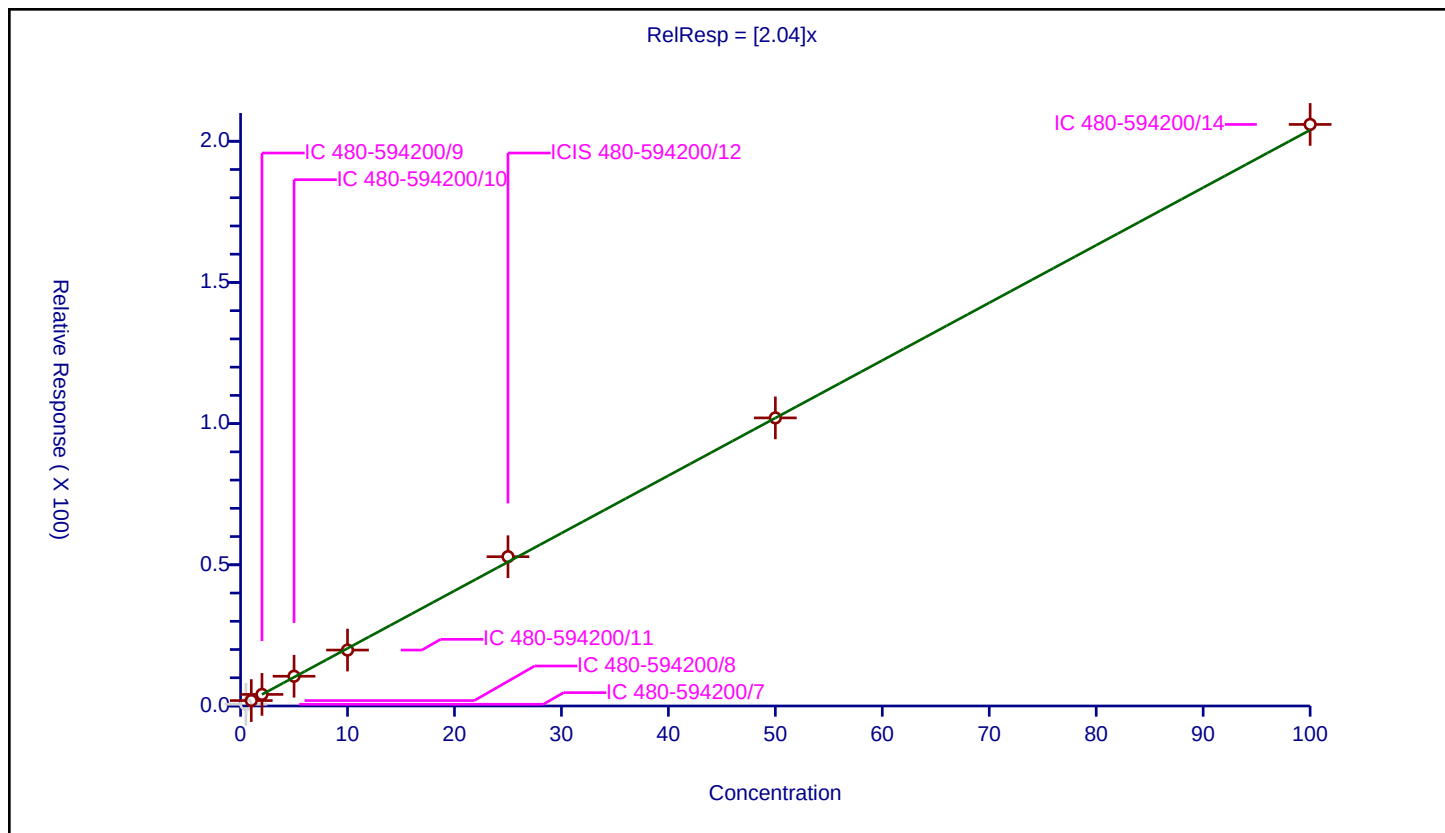
Curve Coefficients

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

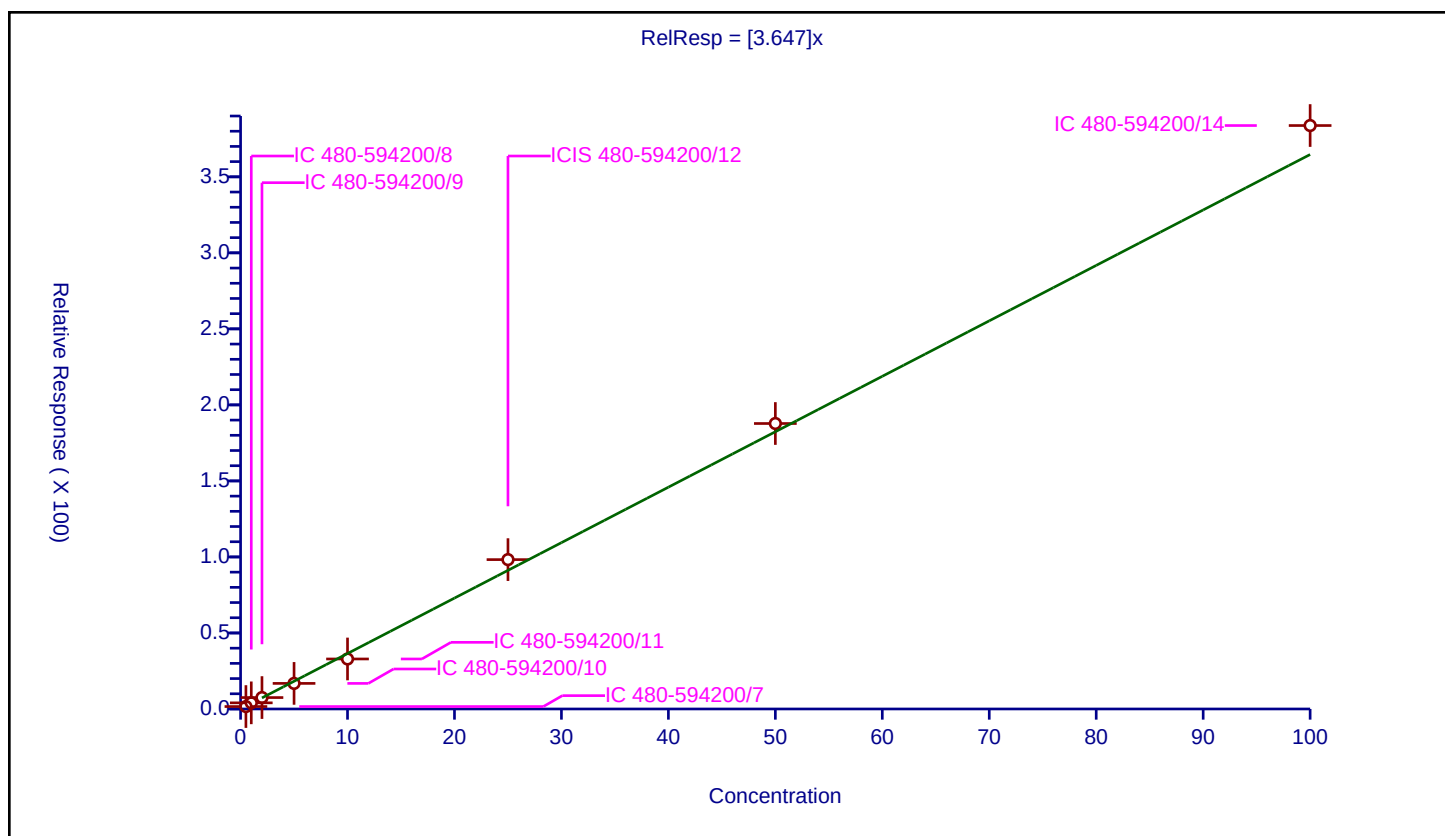
Curve Coefficients

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

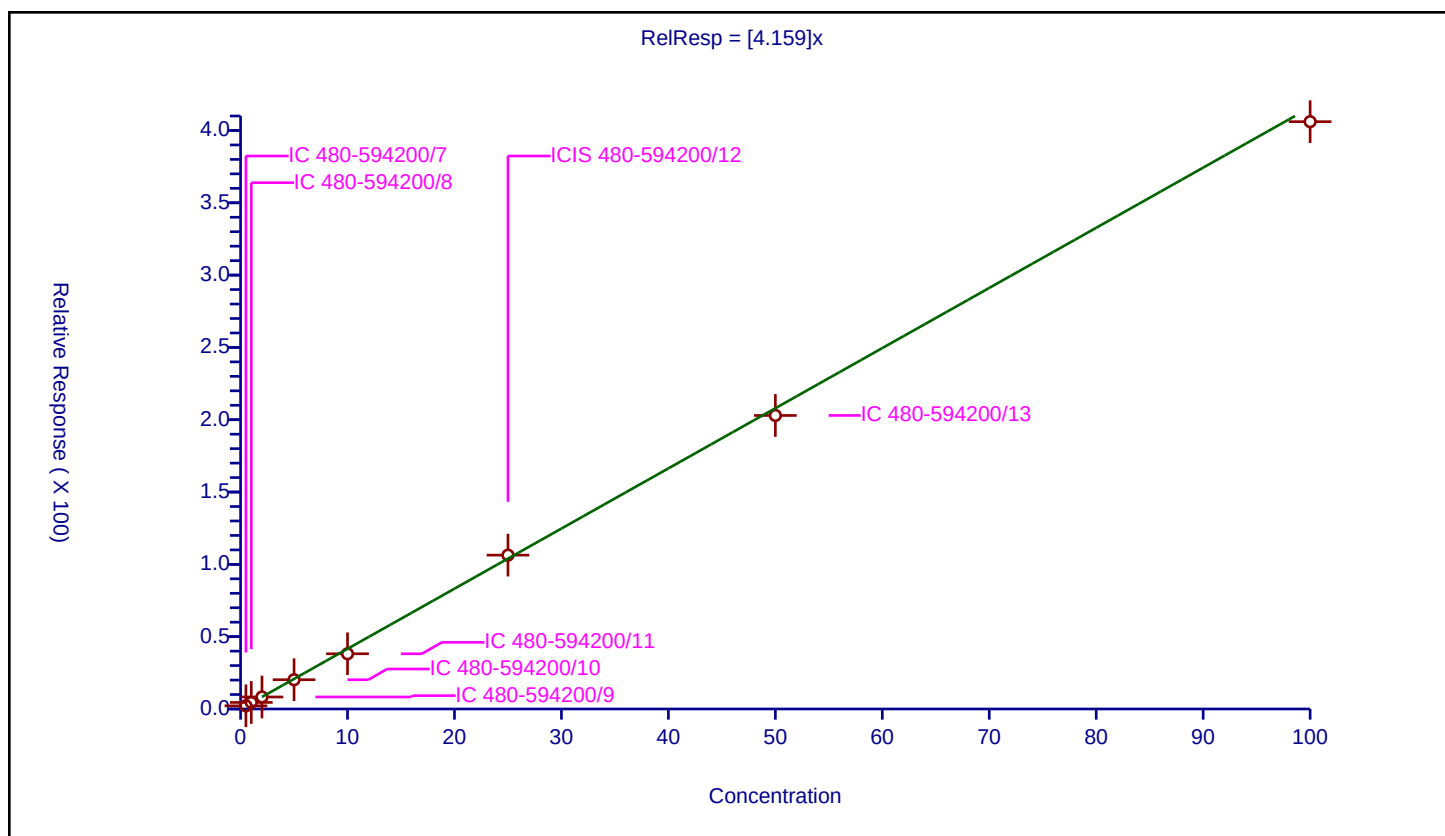
Curve Coefficients

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

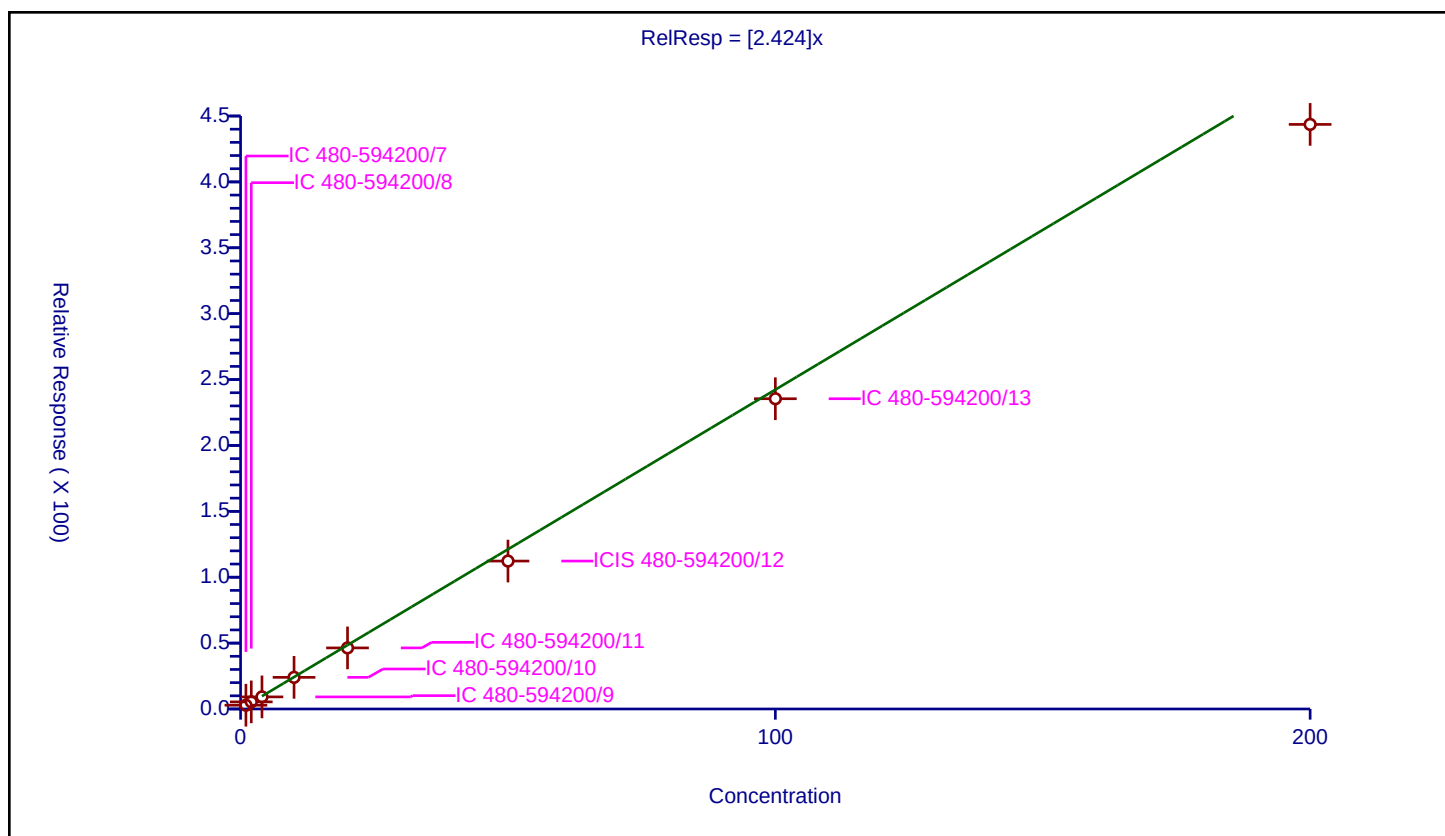
Curve Coefficients

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

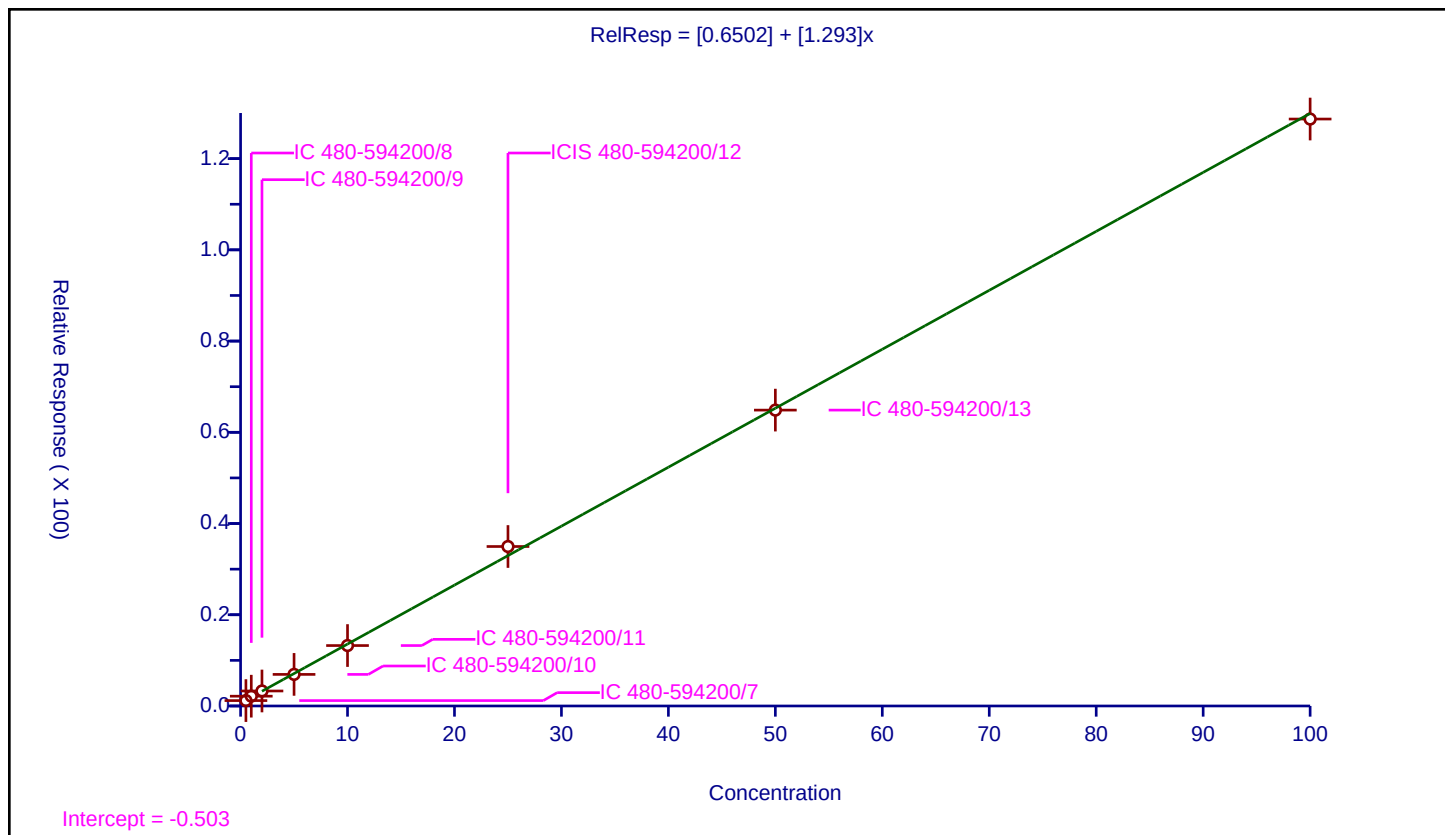
Curve Coefficients

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

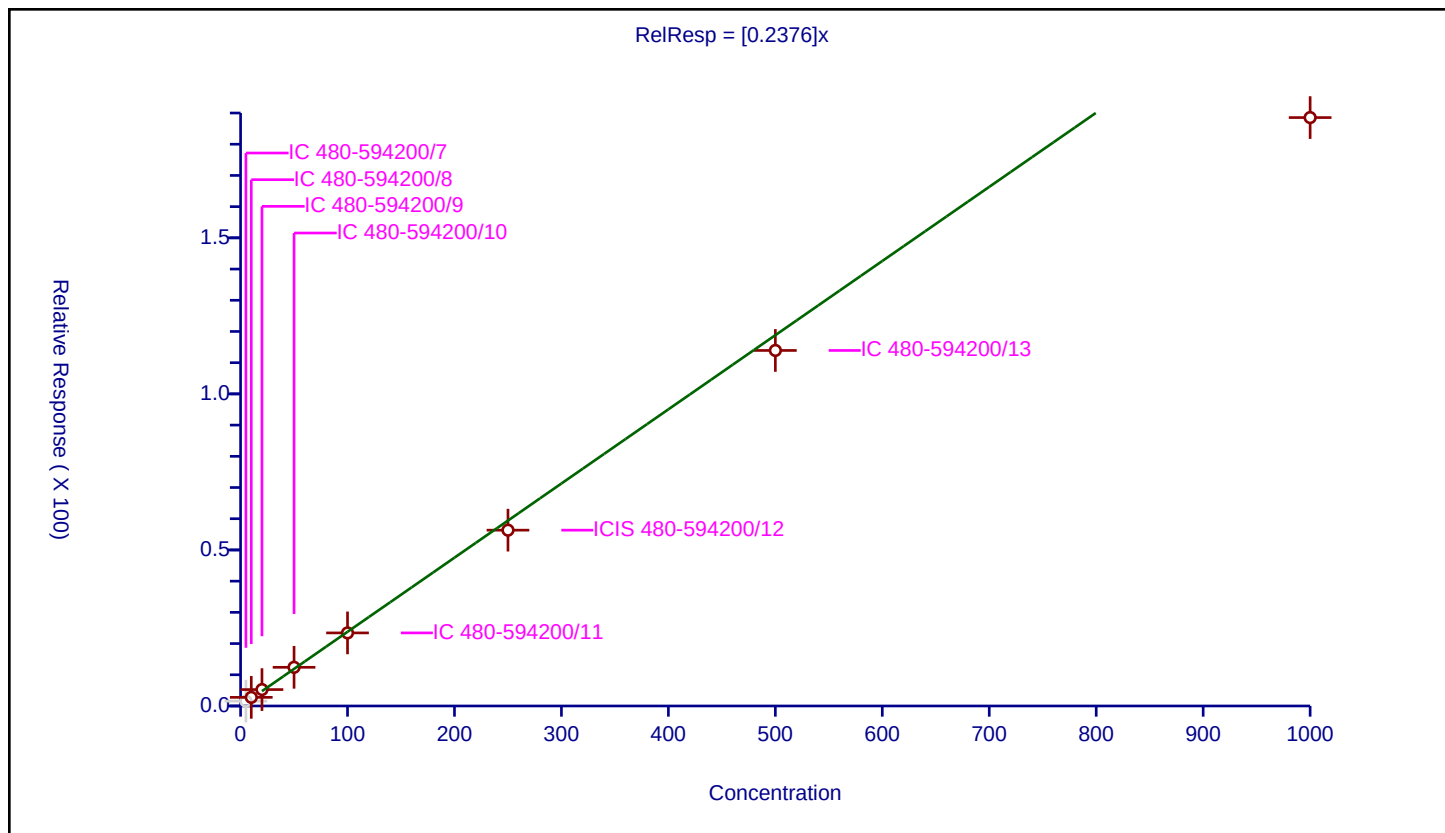
Curve Coefficients

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

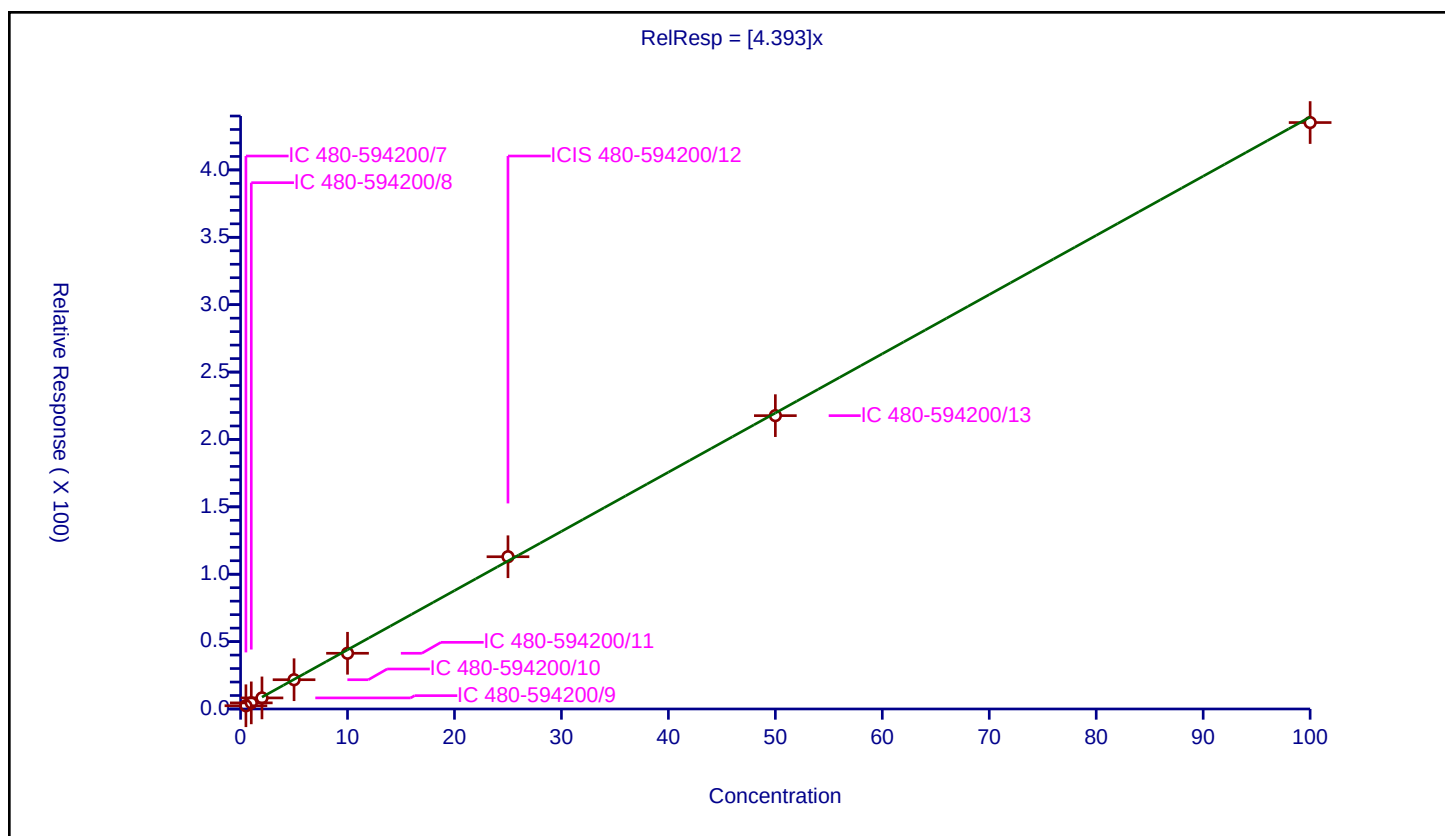
Curve Coefficients

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

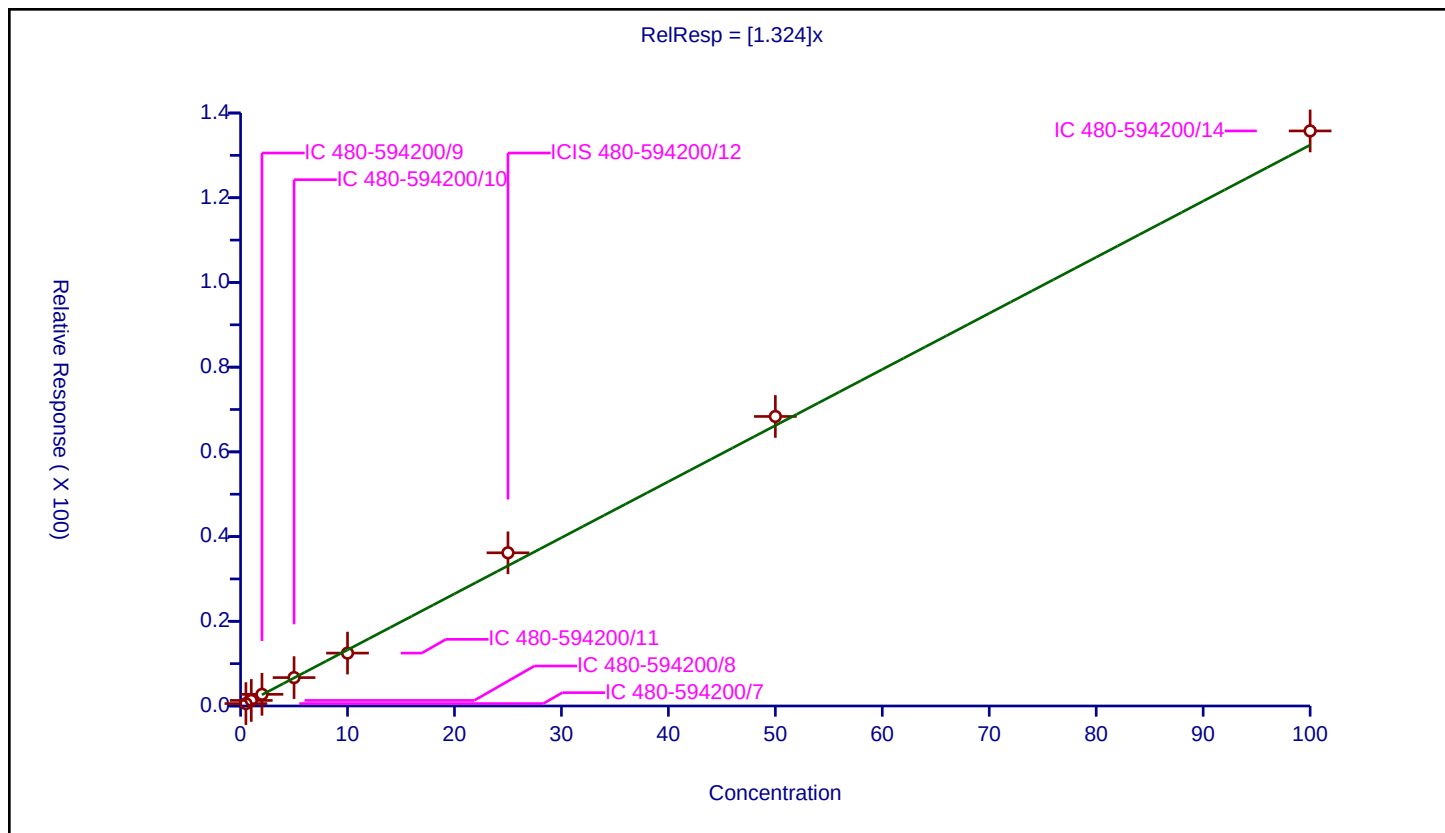
Curve Coefficients

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

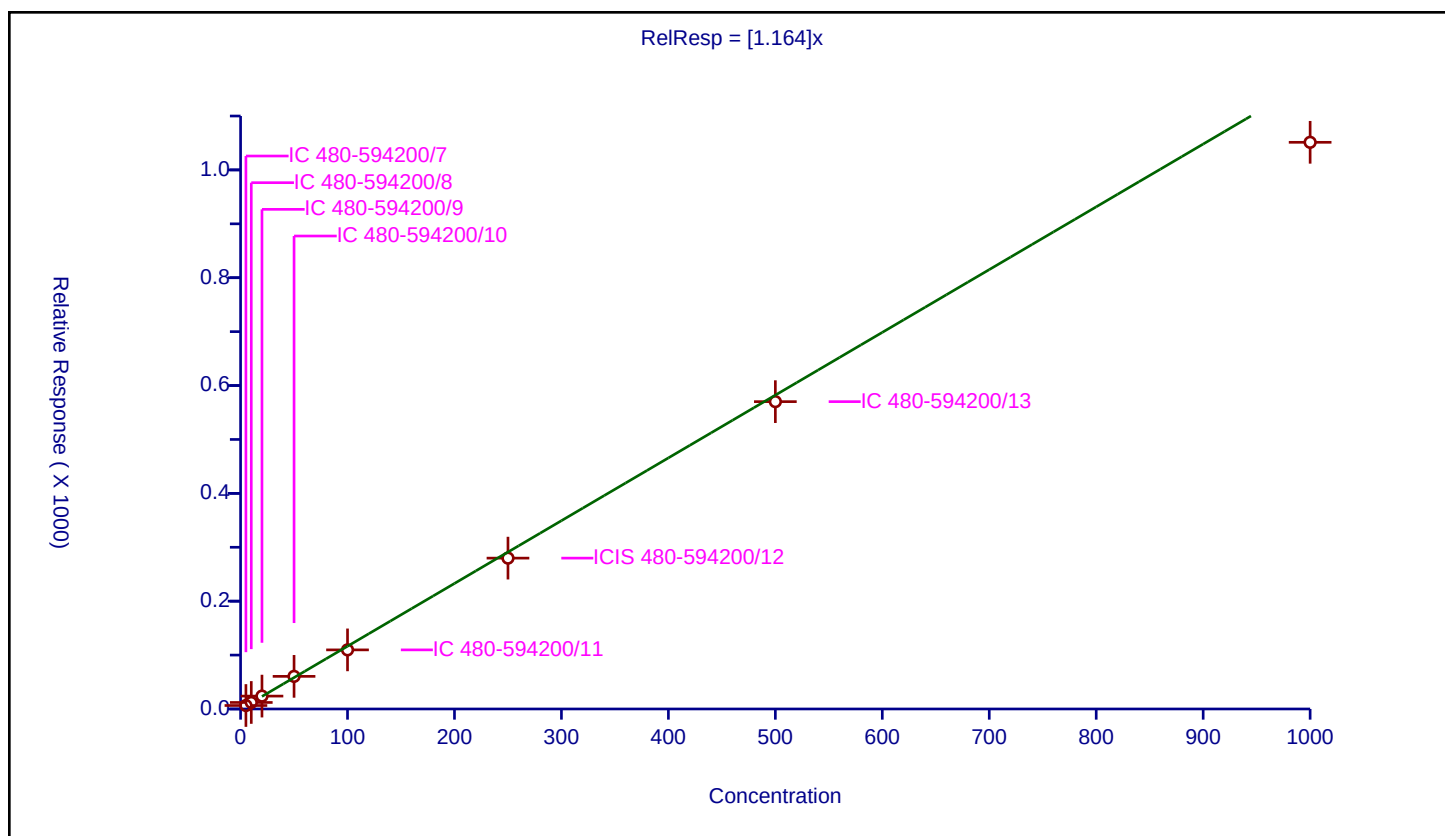
Curve Coefficients

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

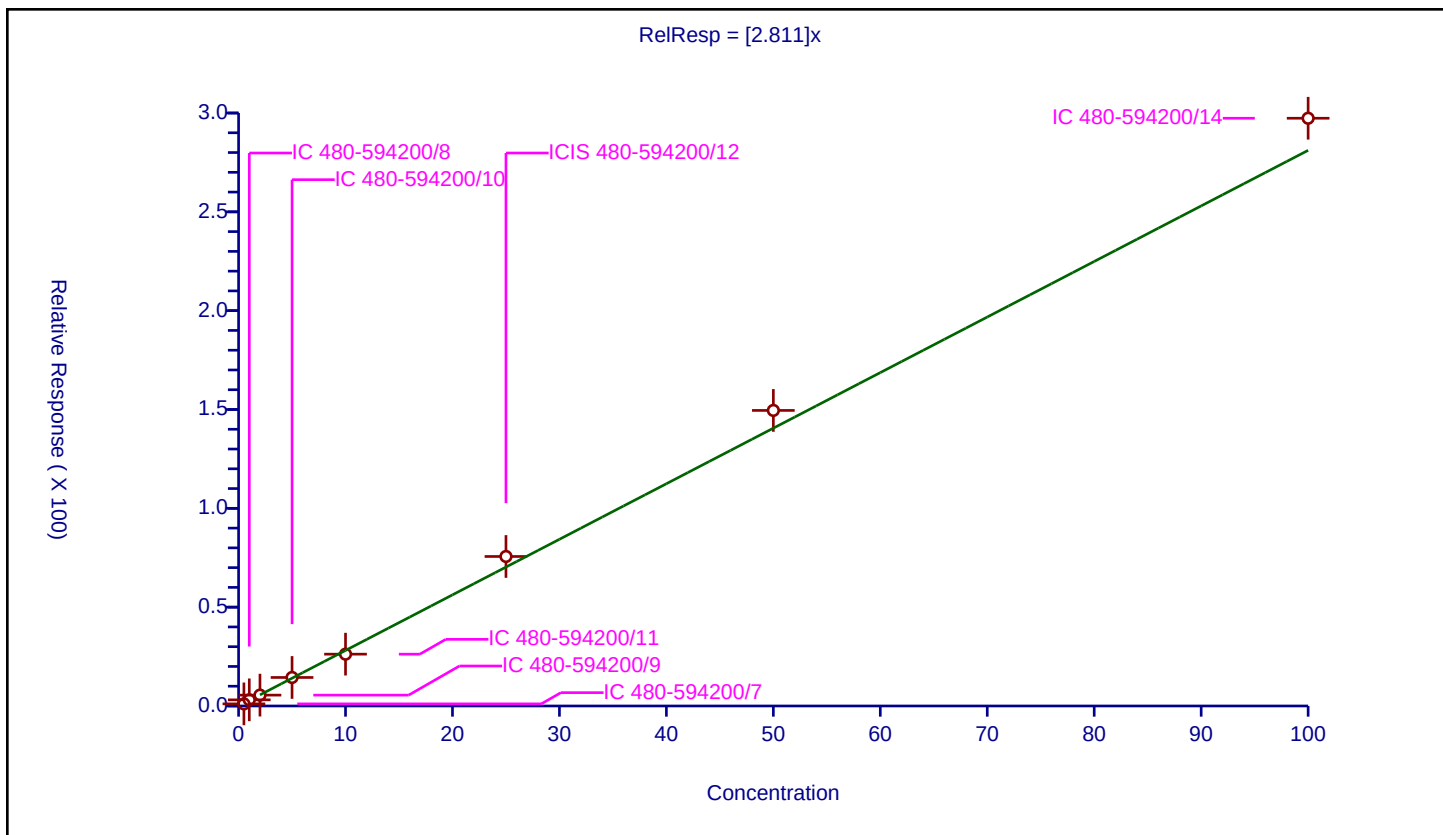
Curve Coefficients

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

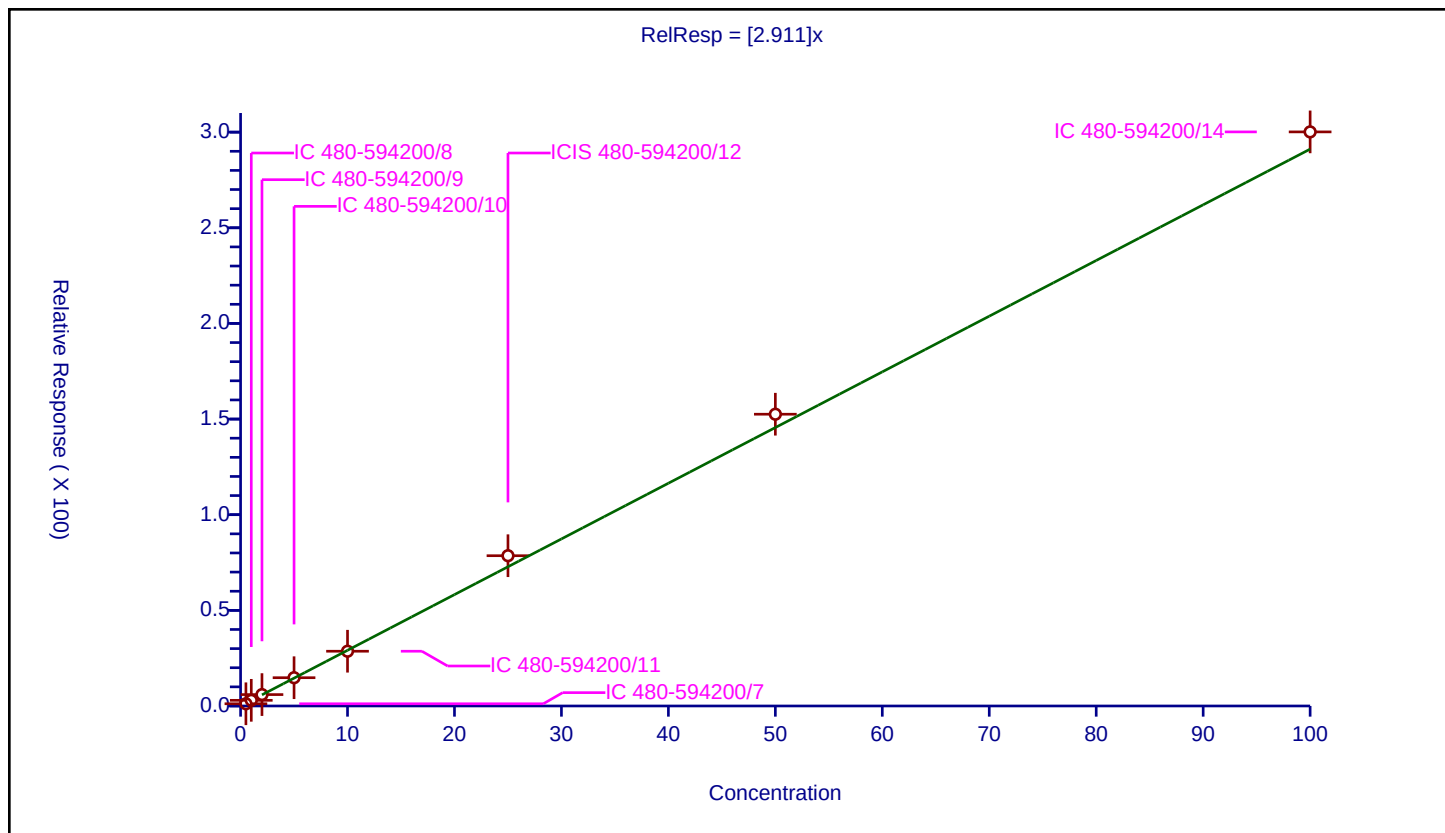
Curve Coefficients

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

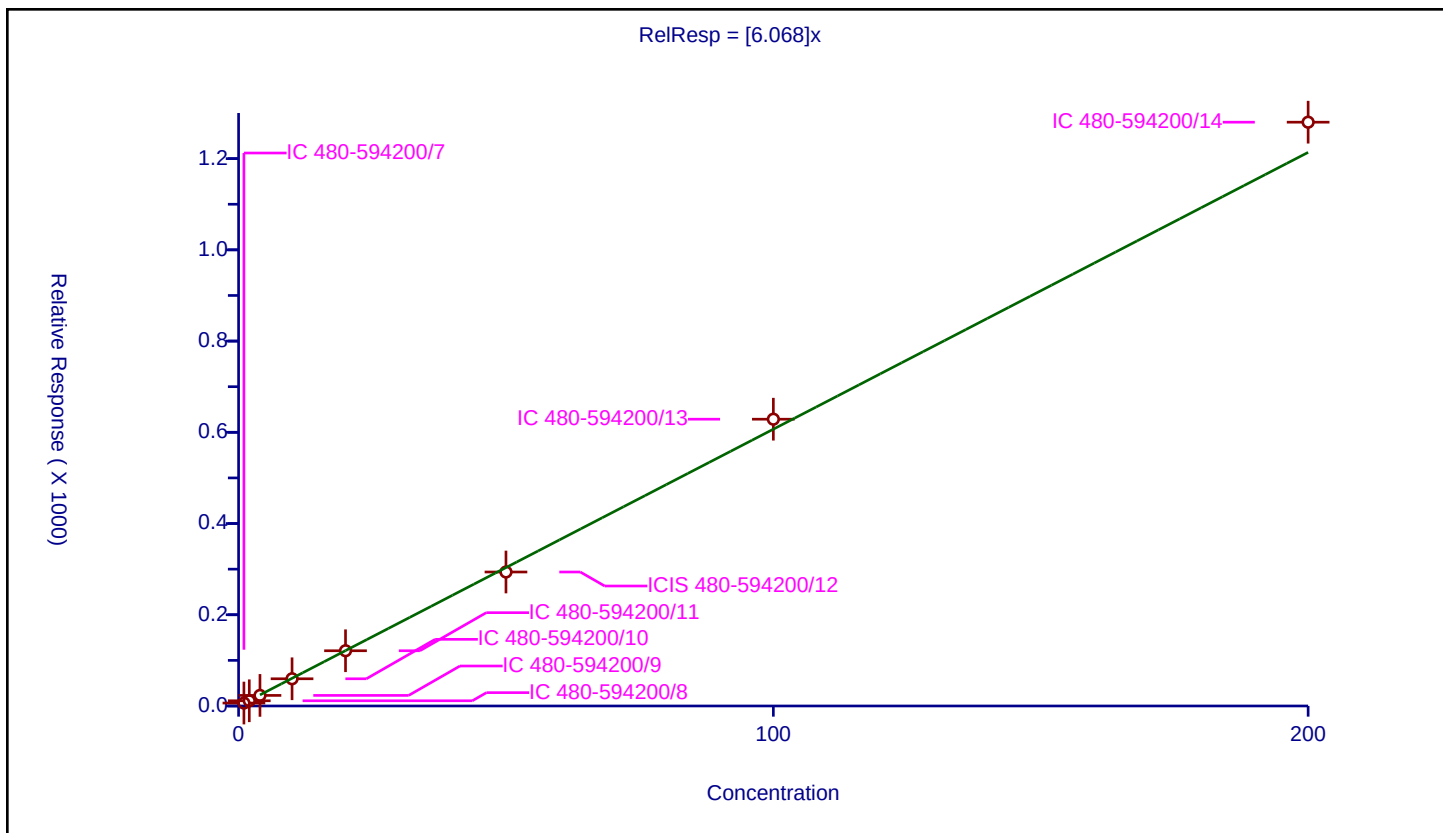
Curve Coefficients

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

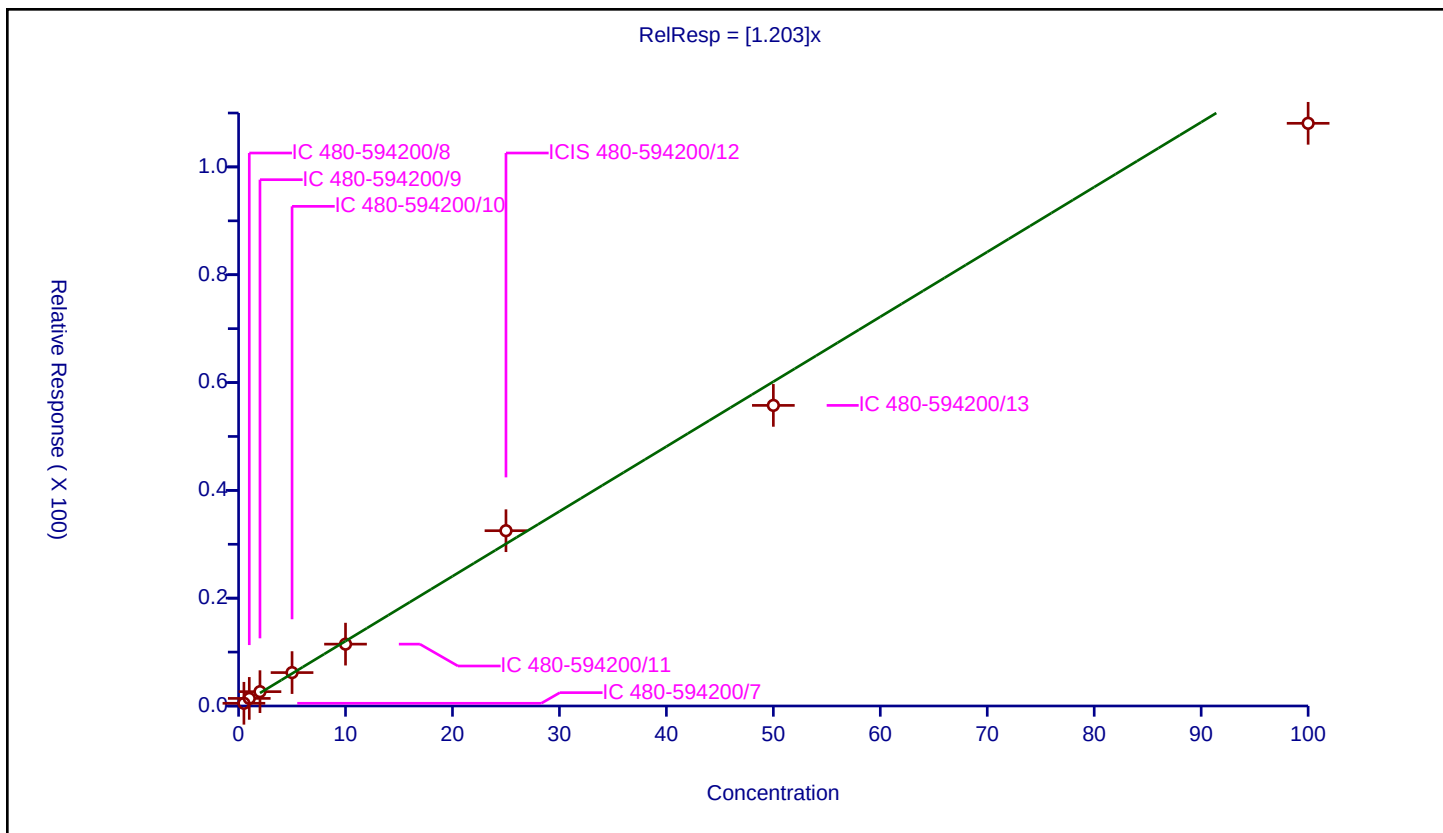
Curve Coefficients

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

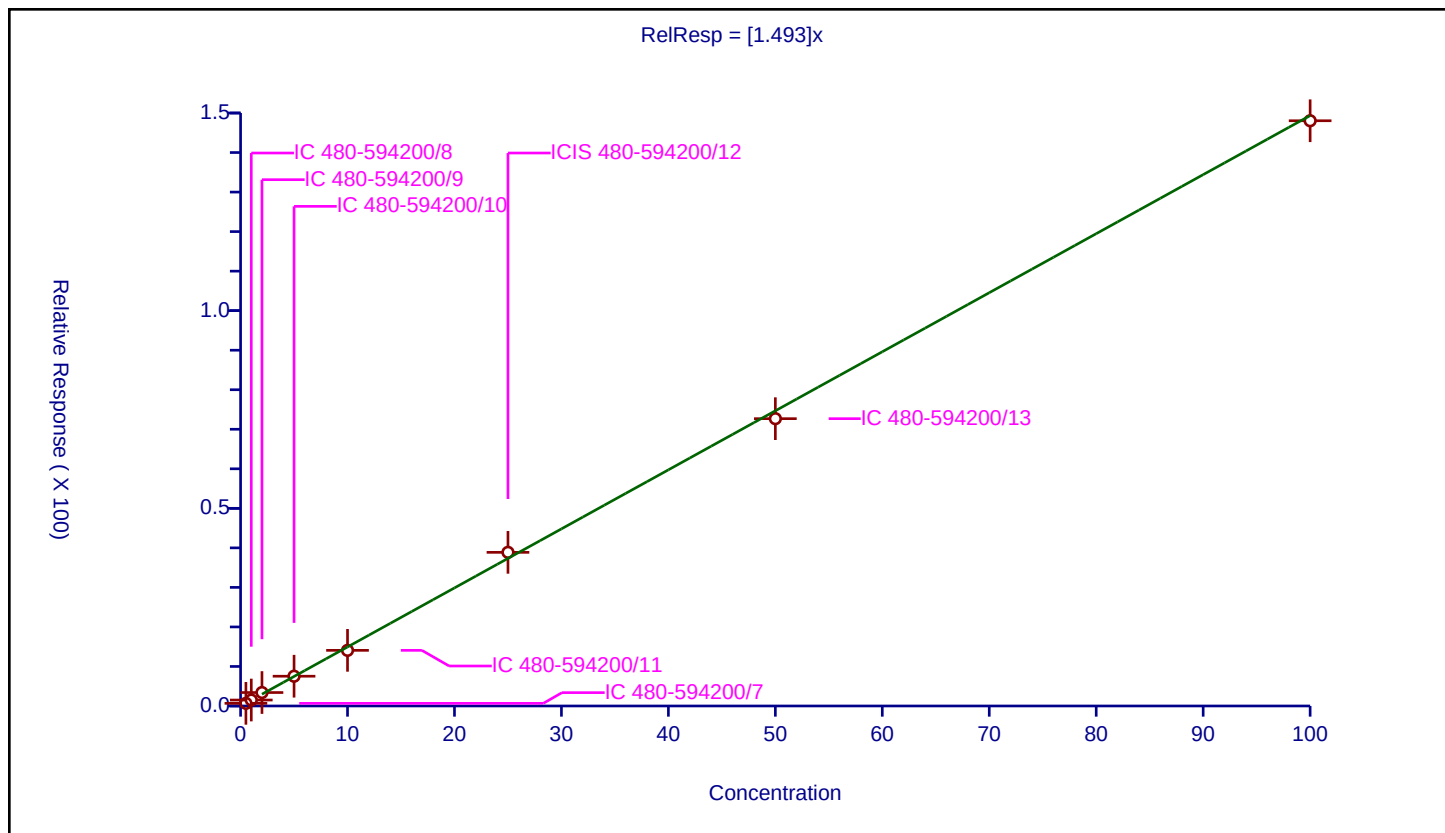
Curve Coefficients

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

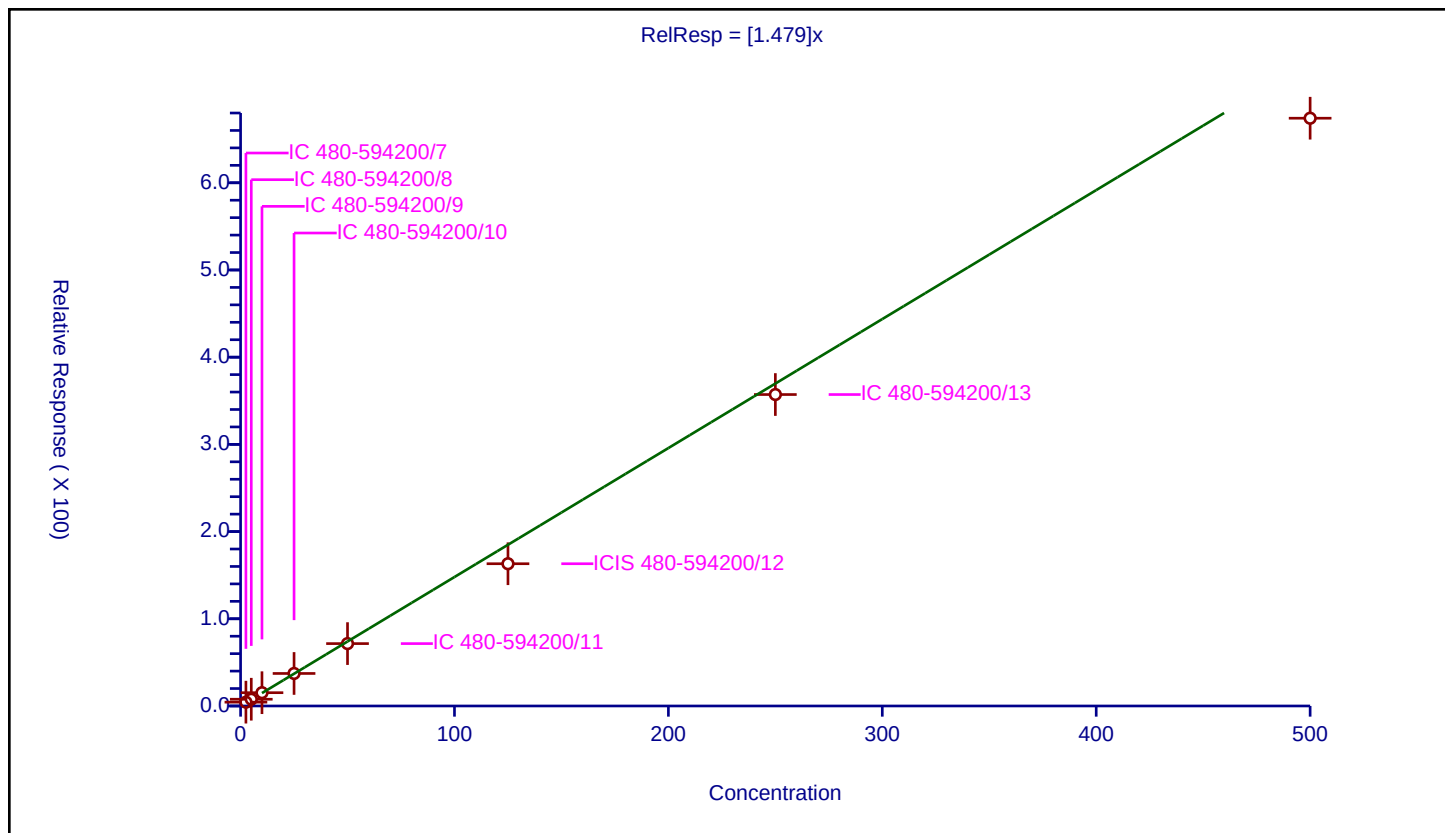
Curve Coefficients

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

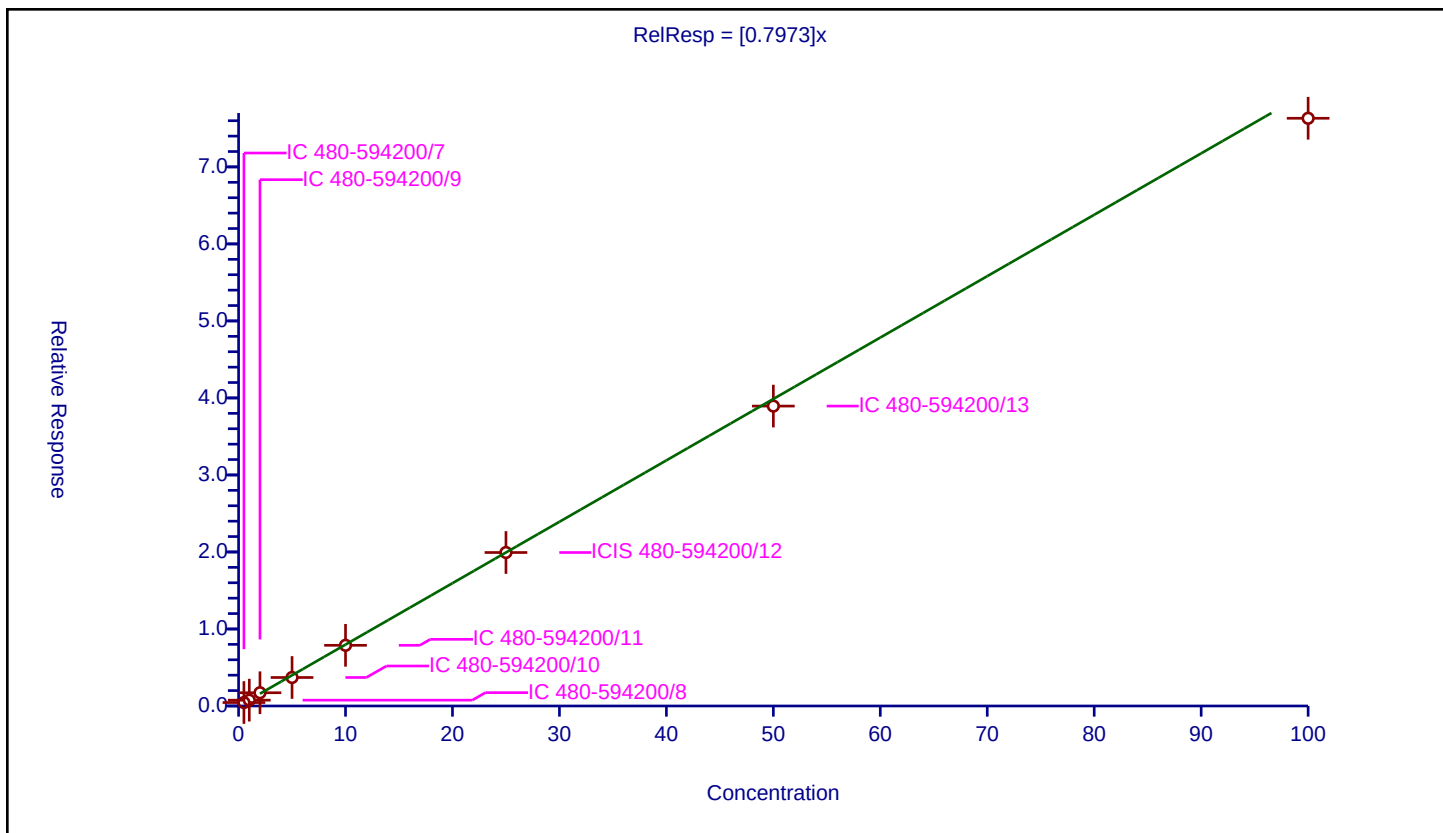
Curve Coefficients

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

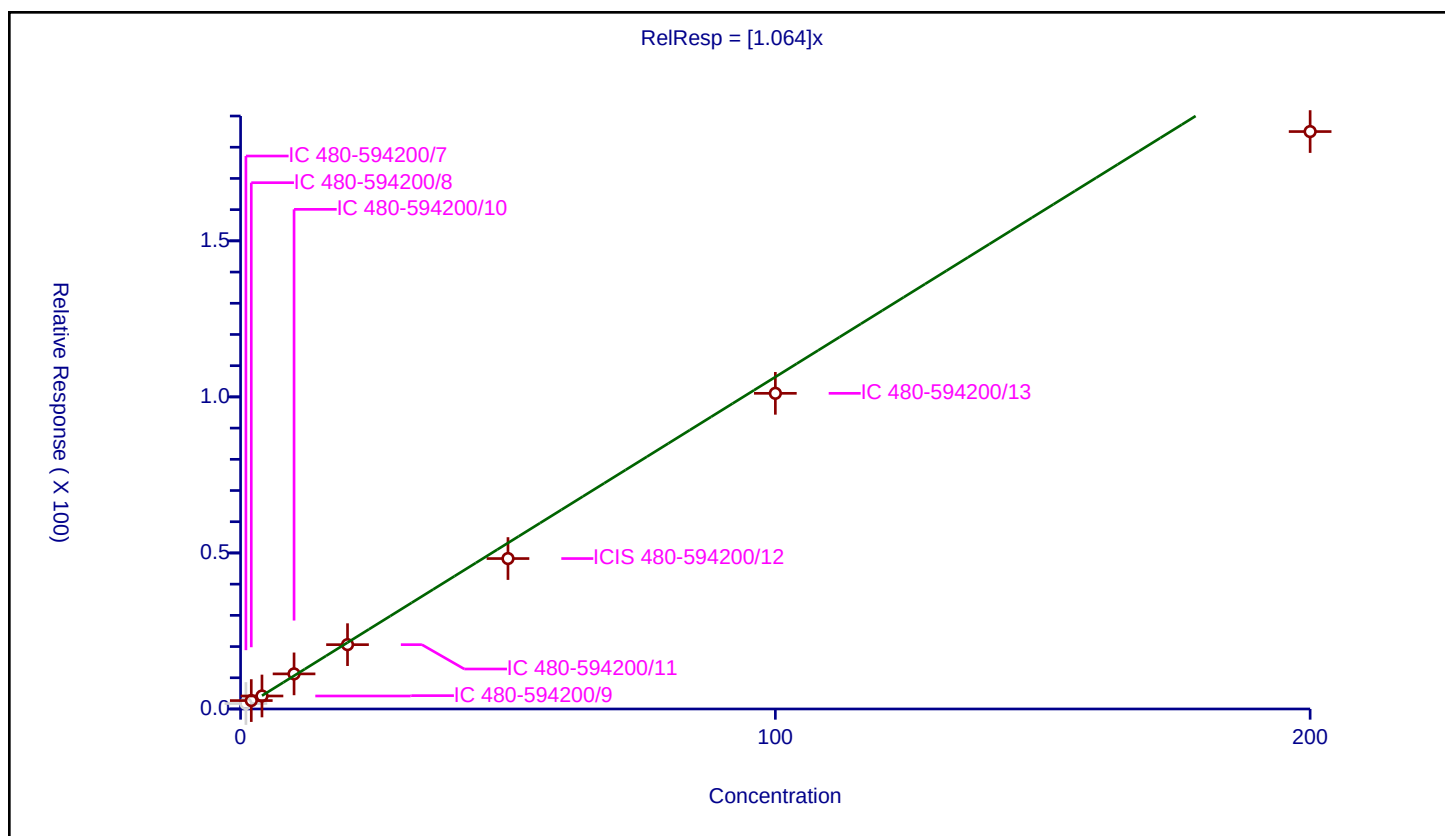
Curve Coefficients

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

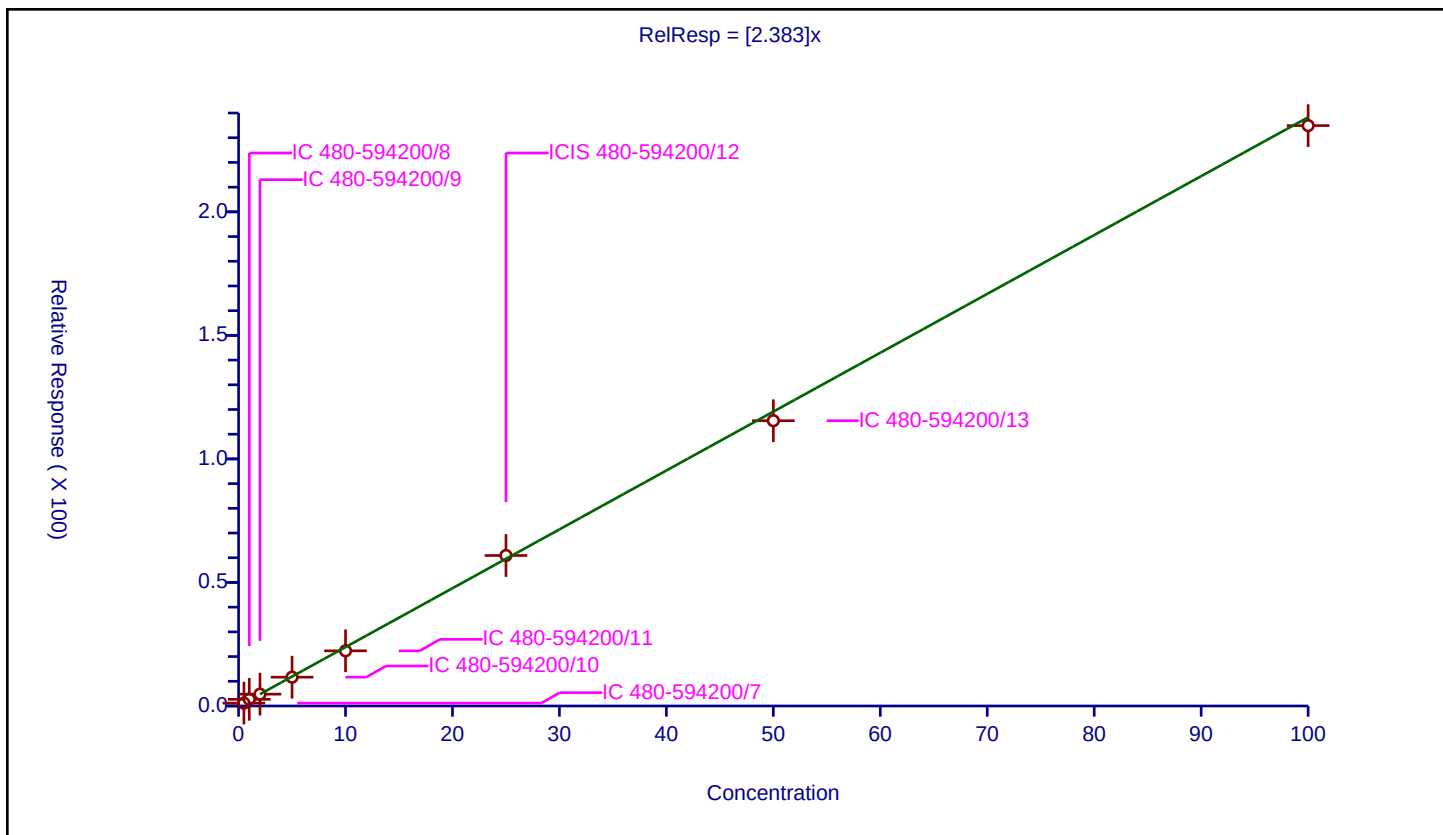
Curve Coefficients

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

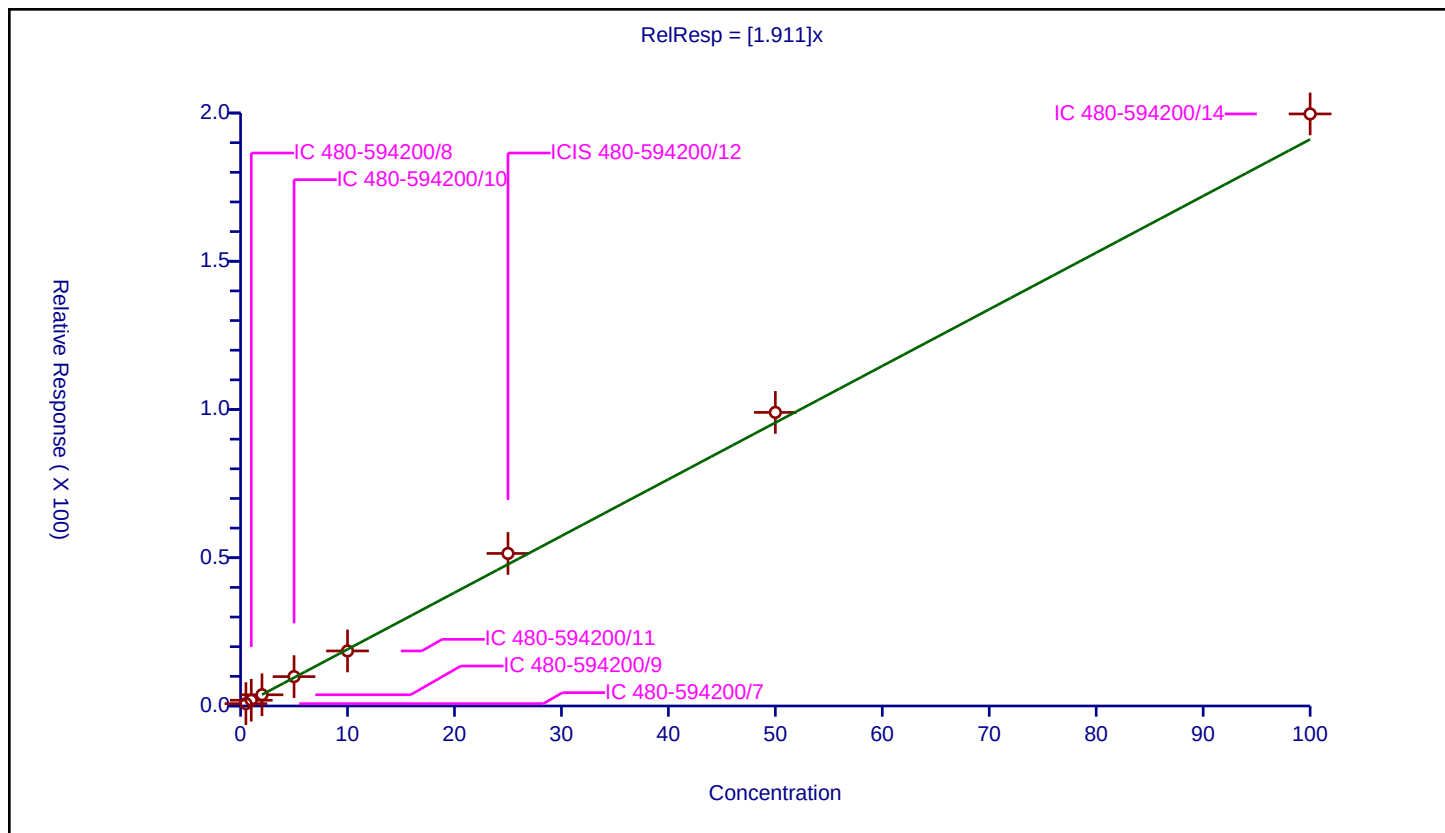
Curve Coefficients

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

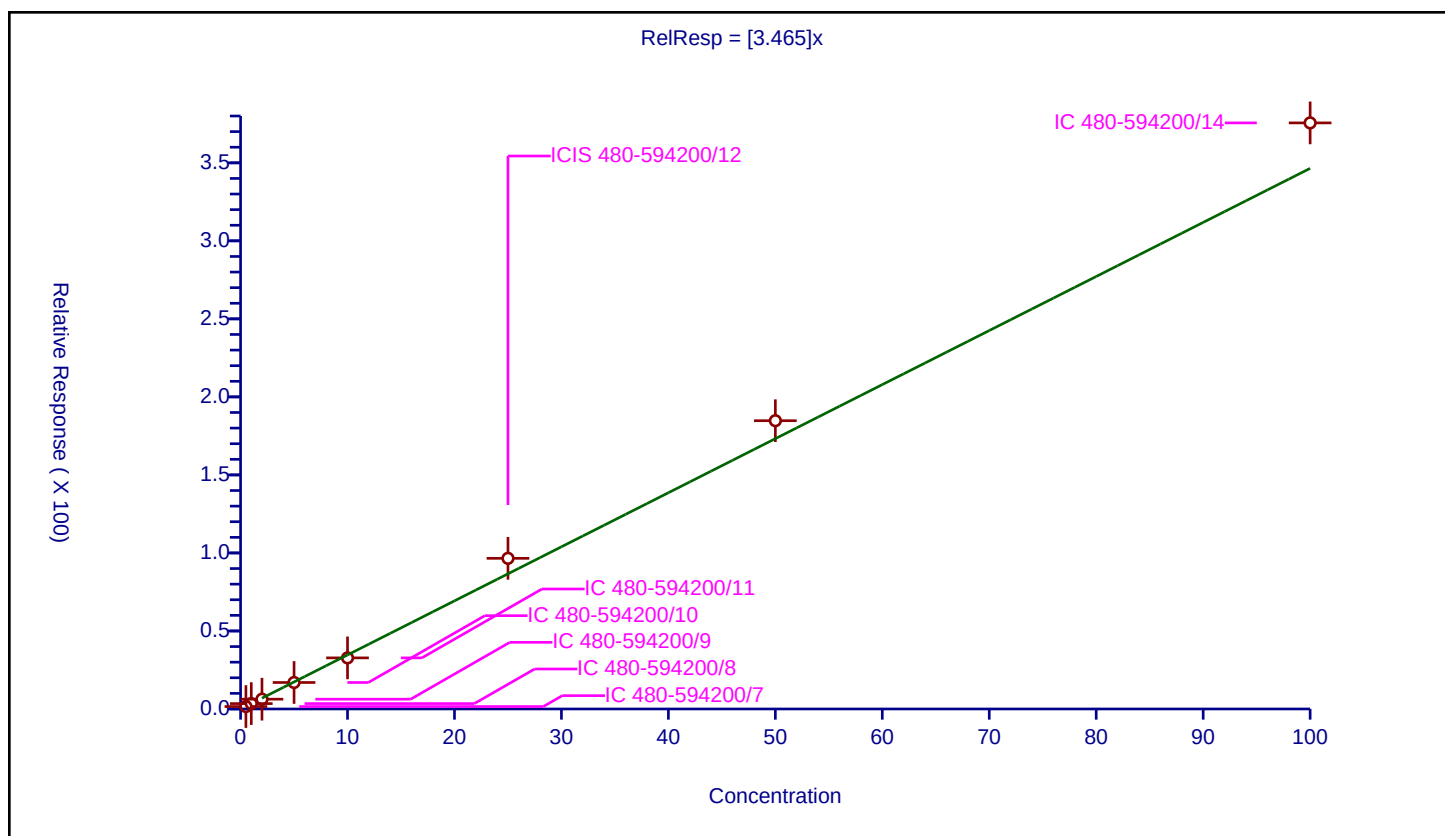
Curve Coefficients

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

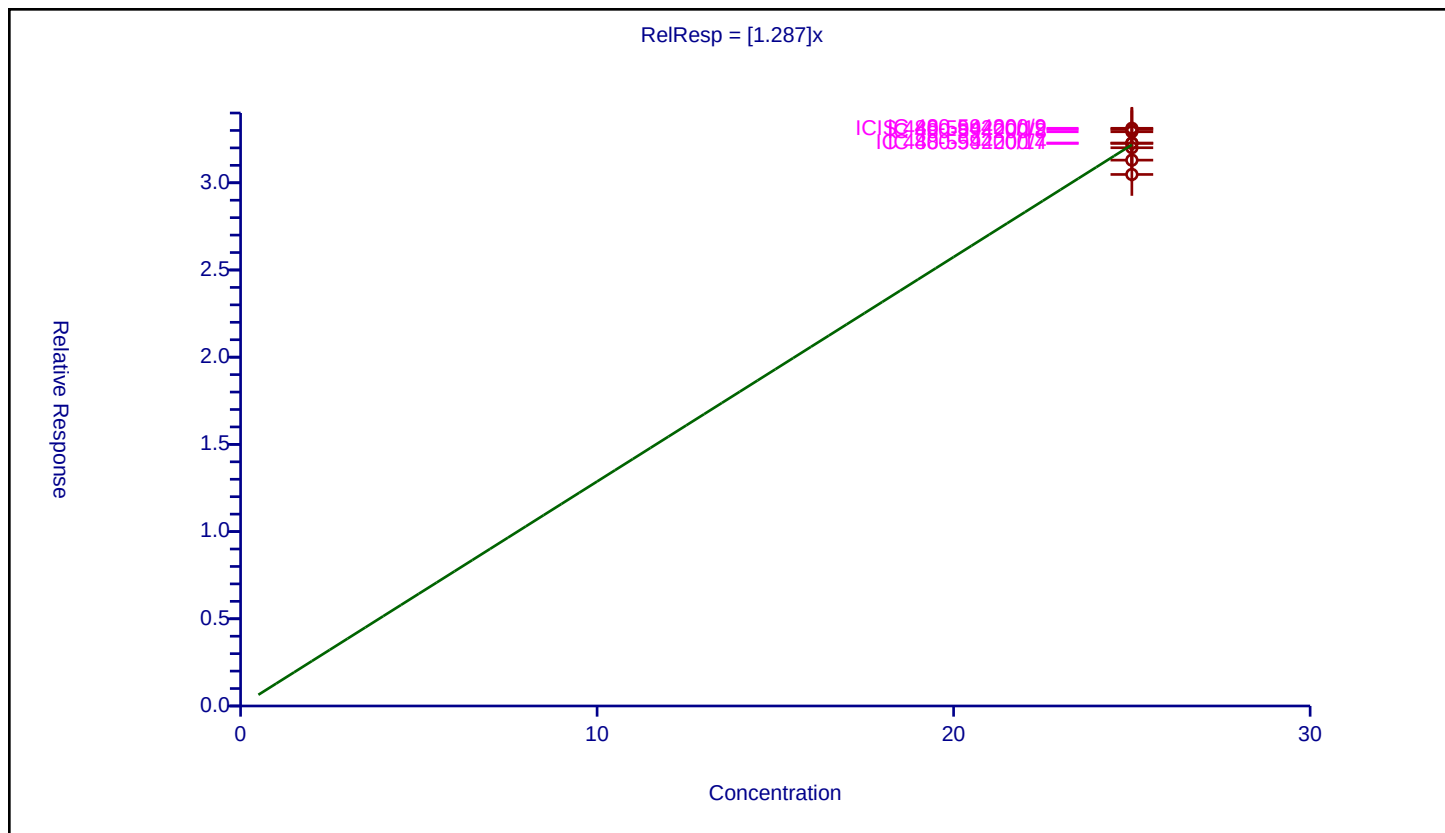
Curve Coefficients

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

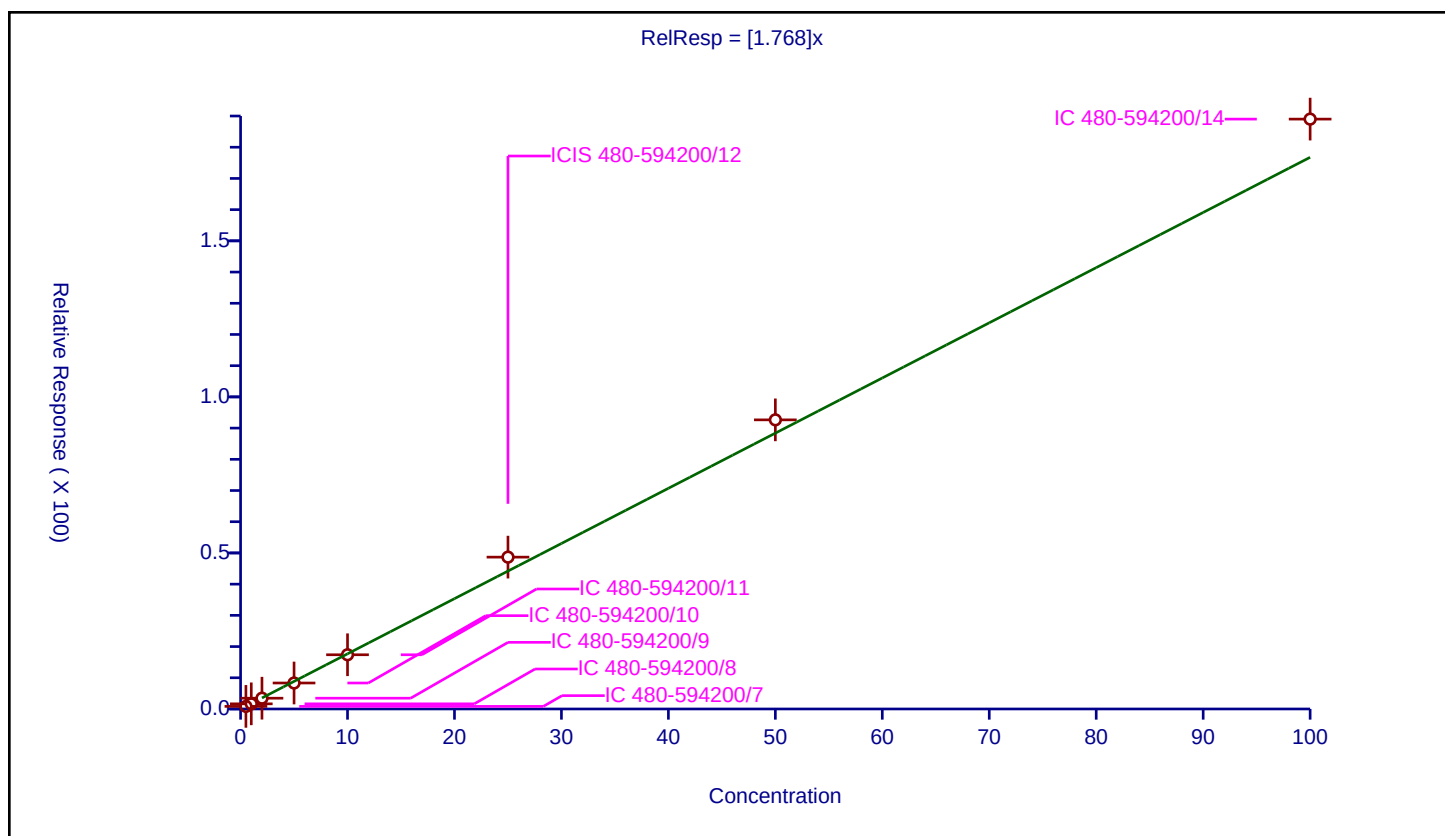
Curve Coefficients

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

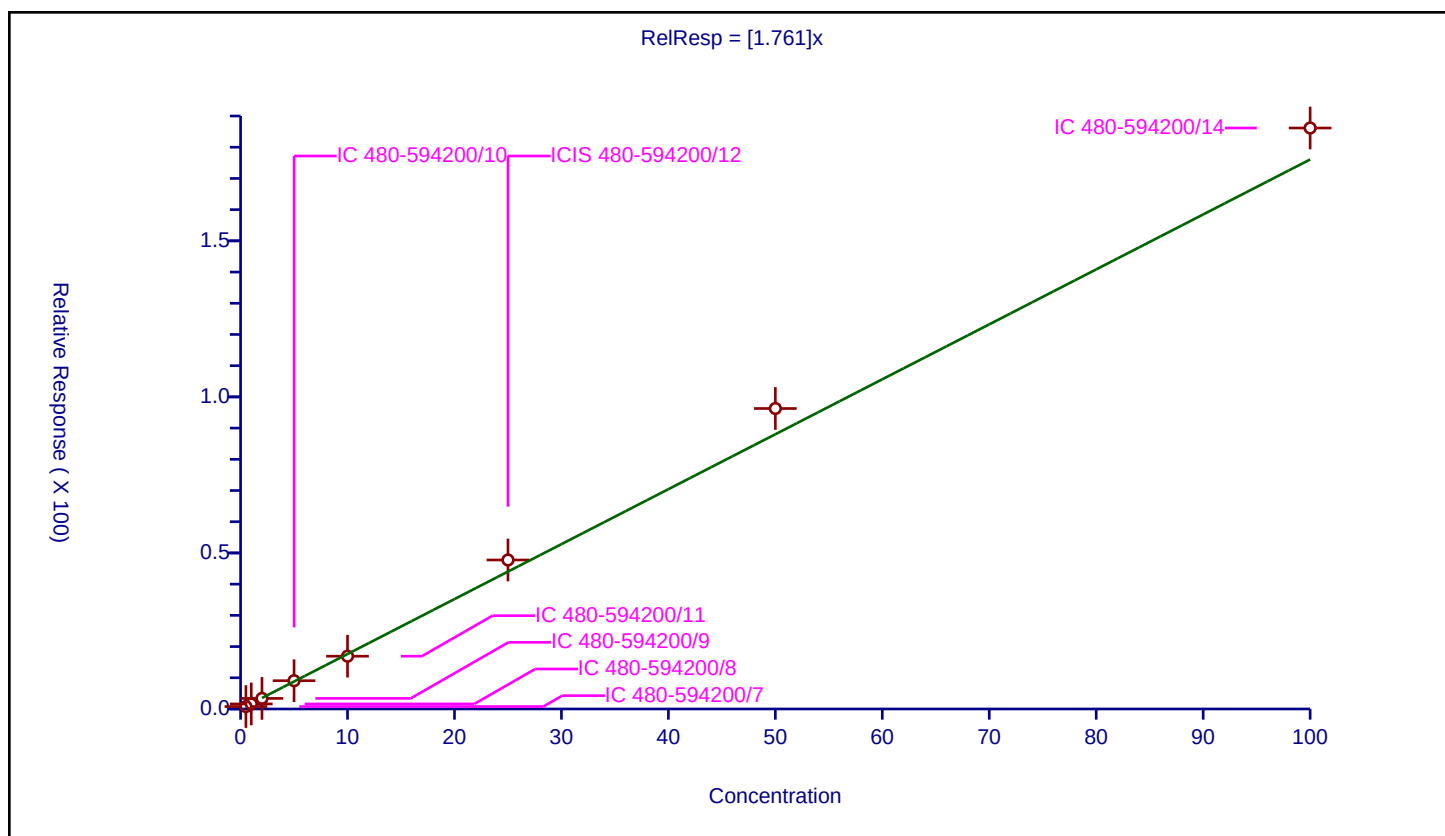
Curve Coefficients

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

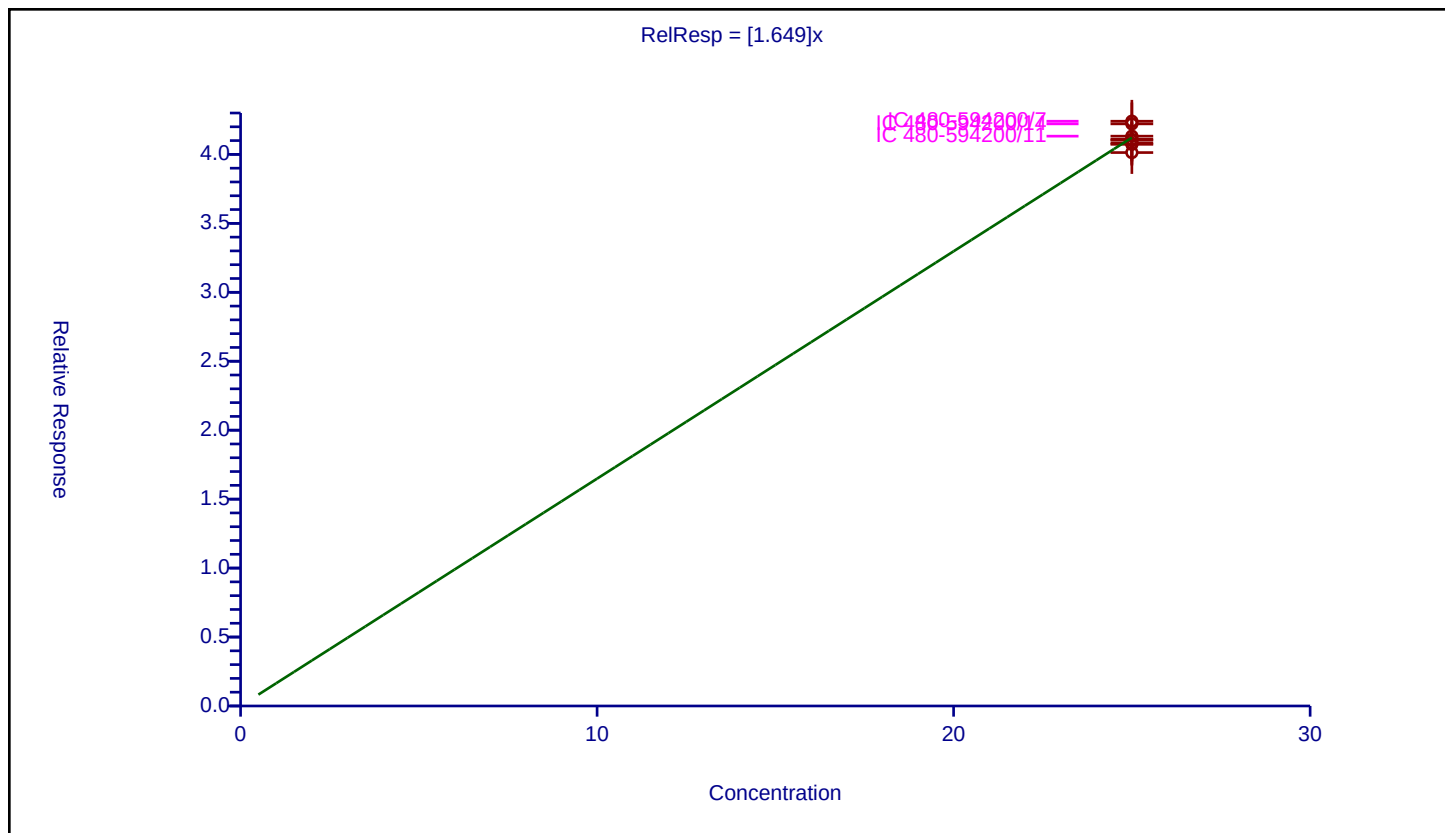
Curve Coefficients

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

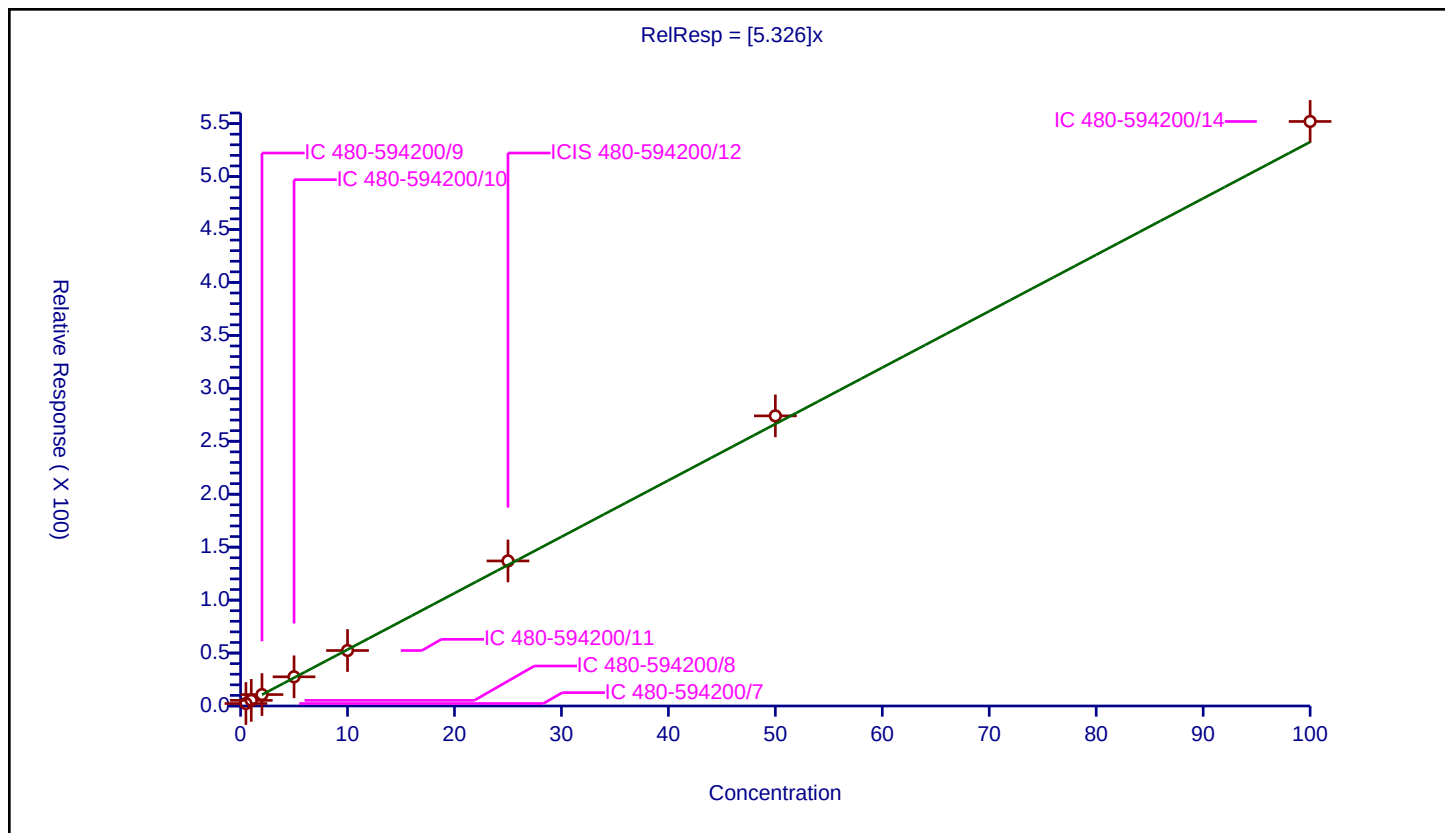
Curve Coefficients

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

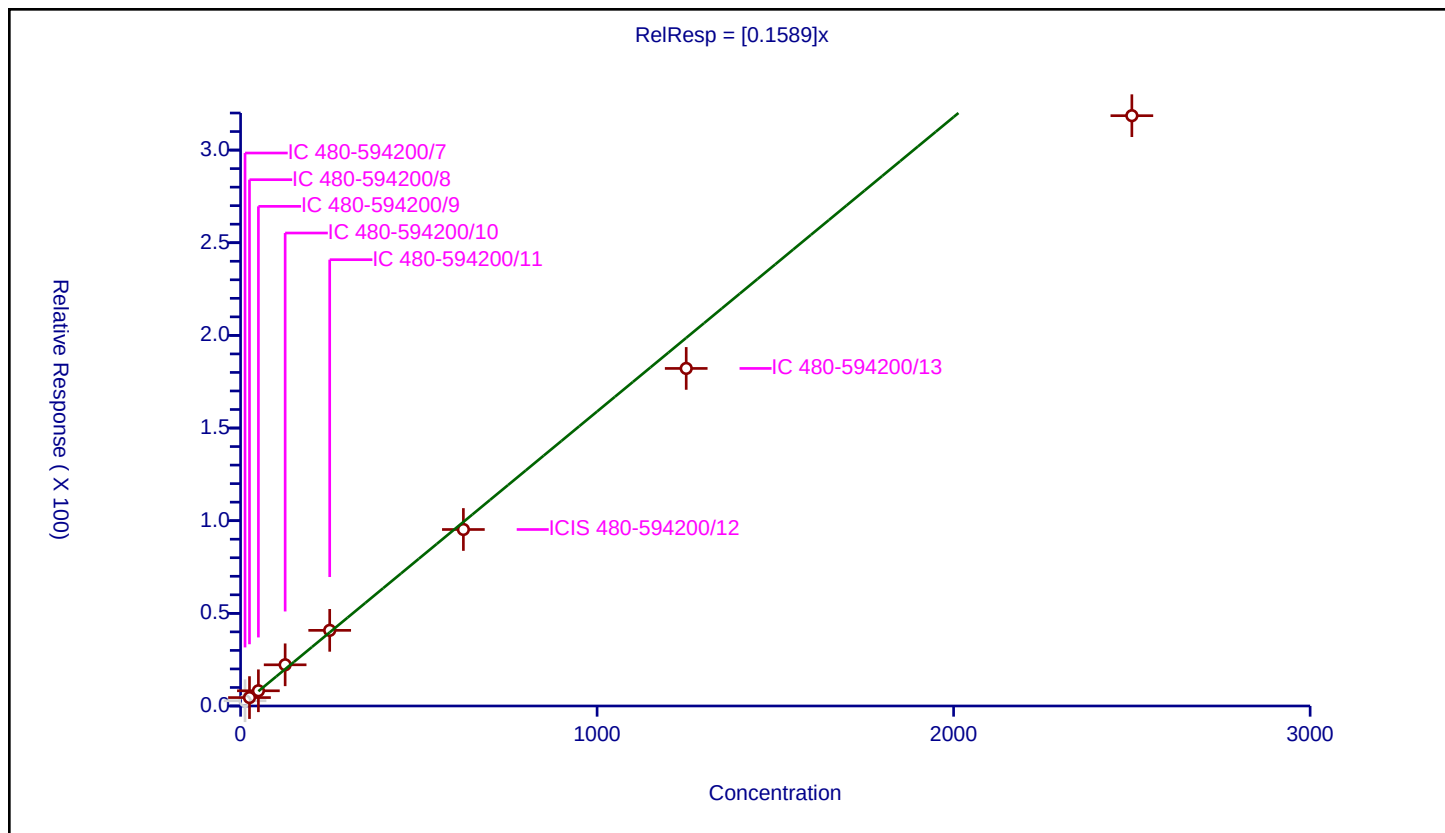
Curve Coefficients

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

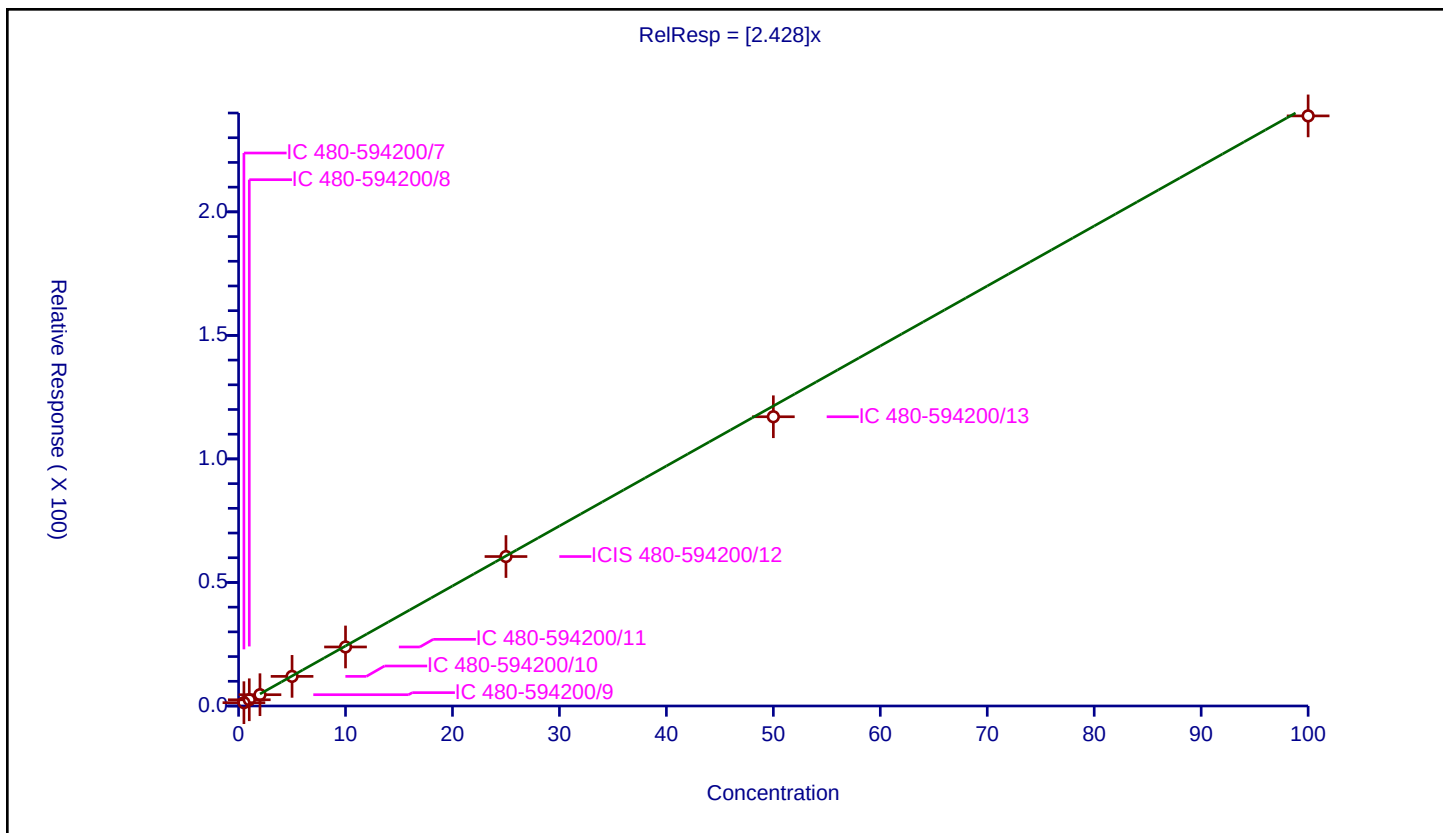
Curve Coefficients

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

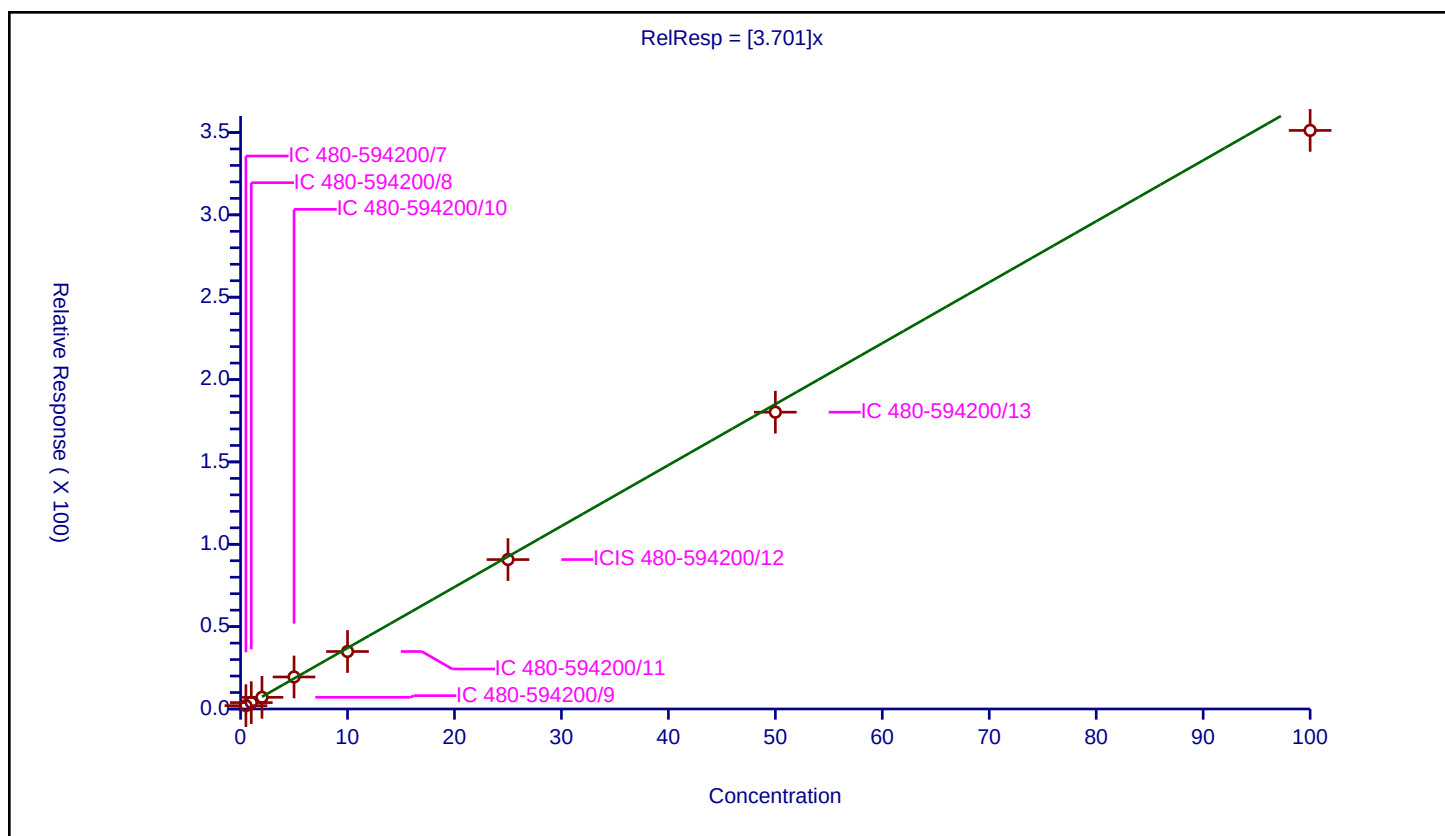
Curve Coefficients

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

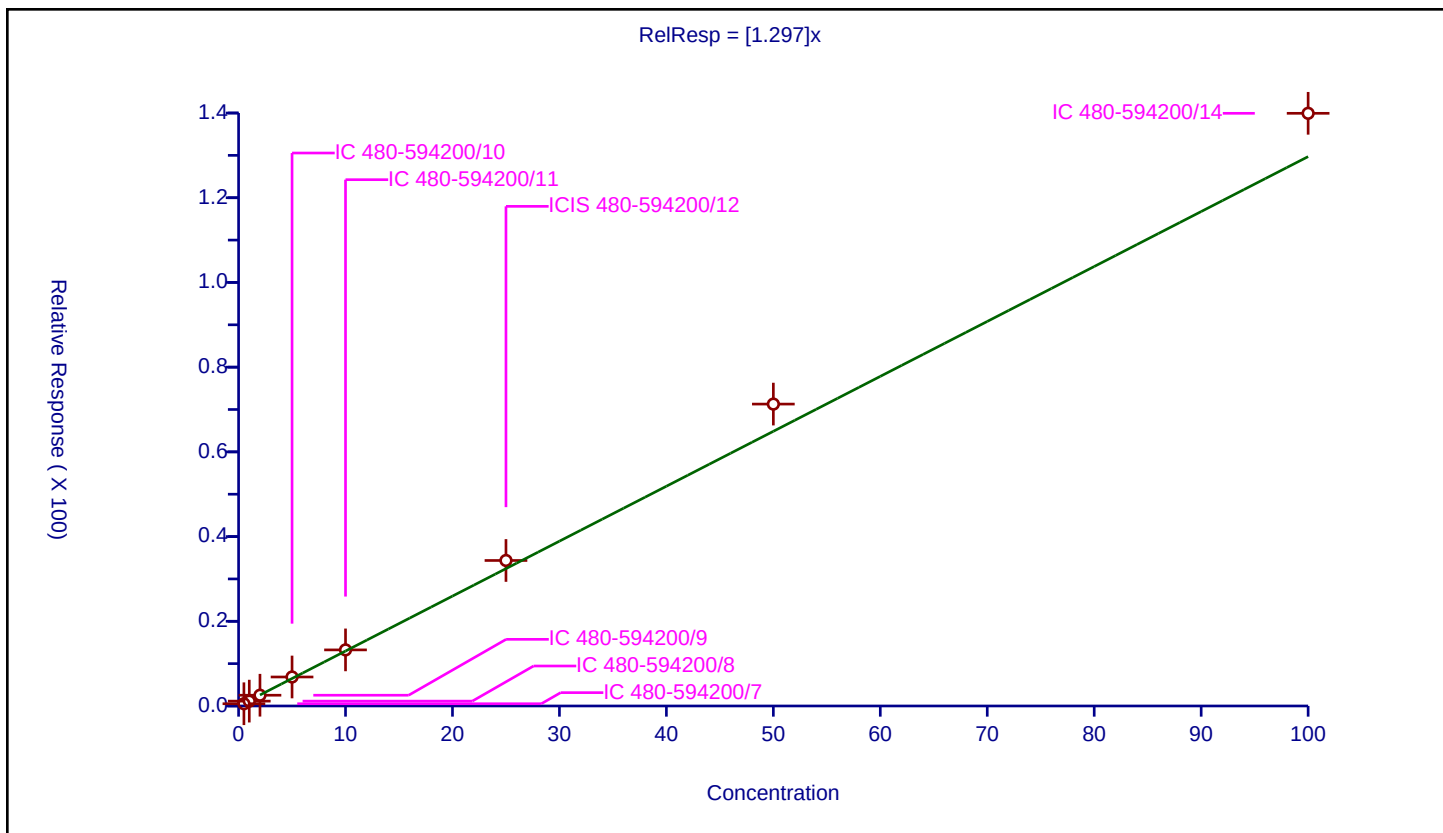
Curve Coefficients

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

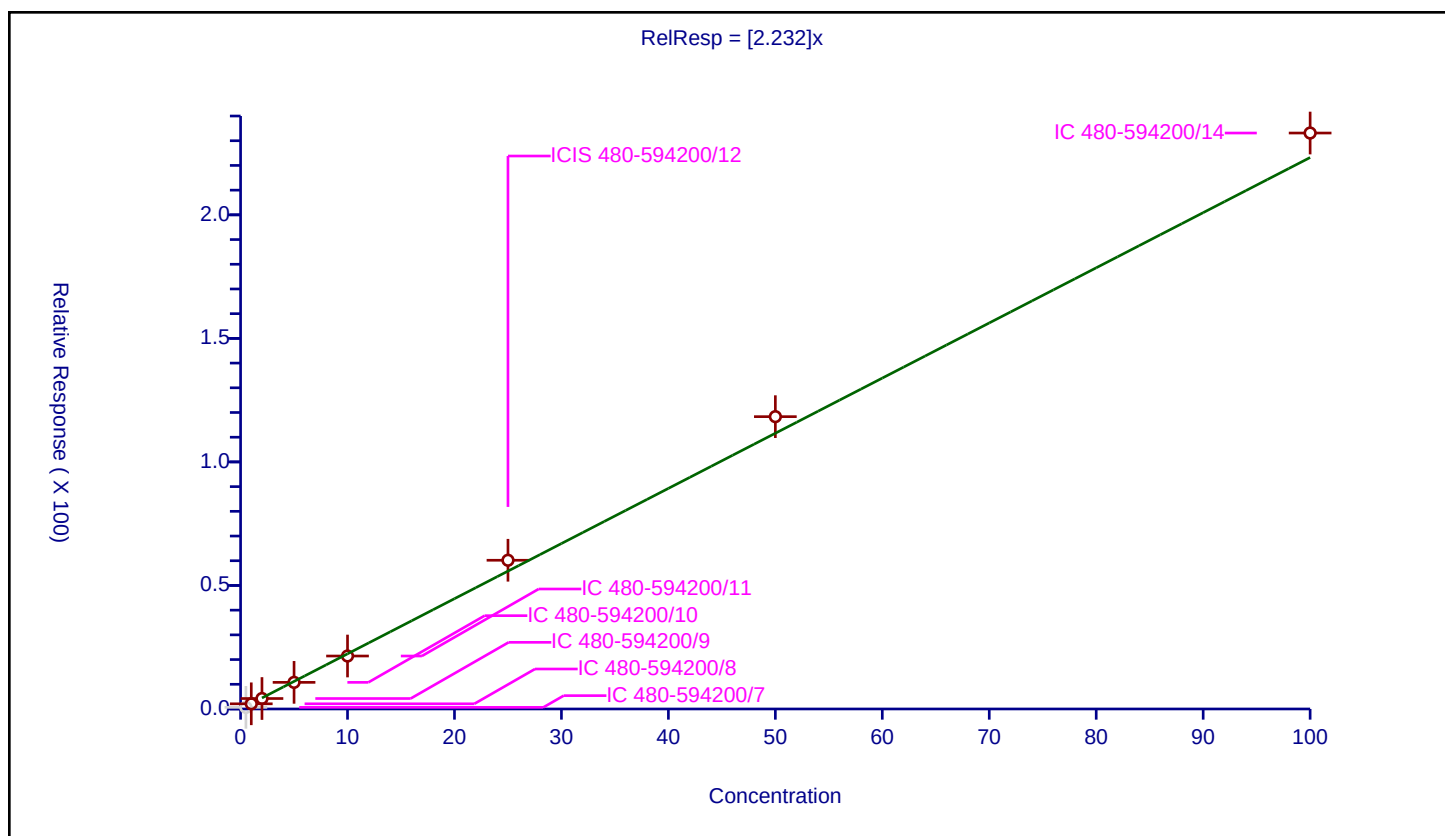
Curve Coefficients

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

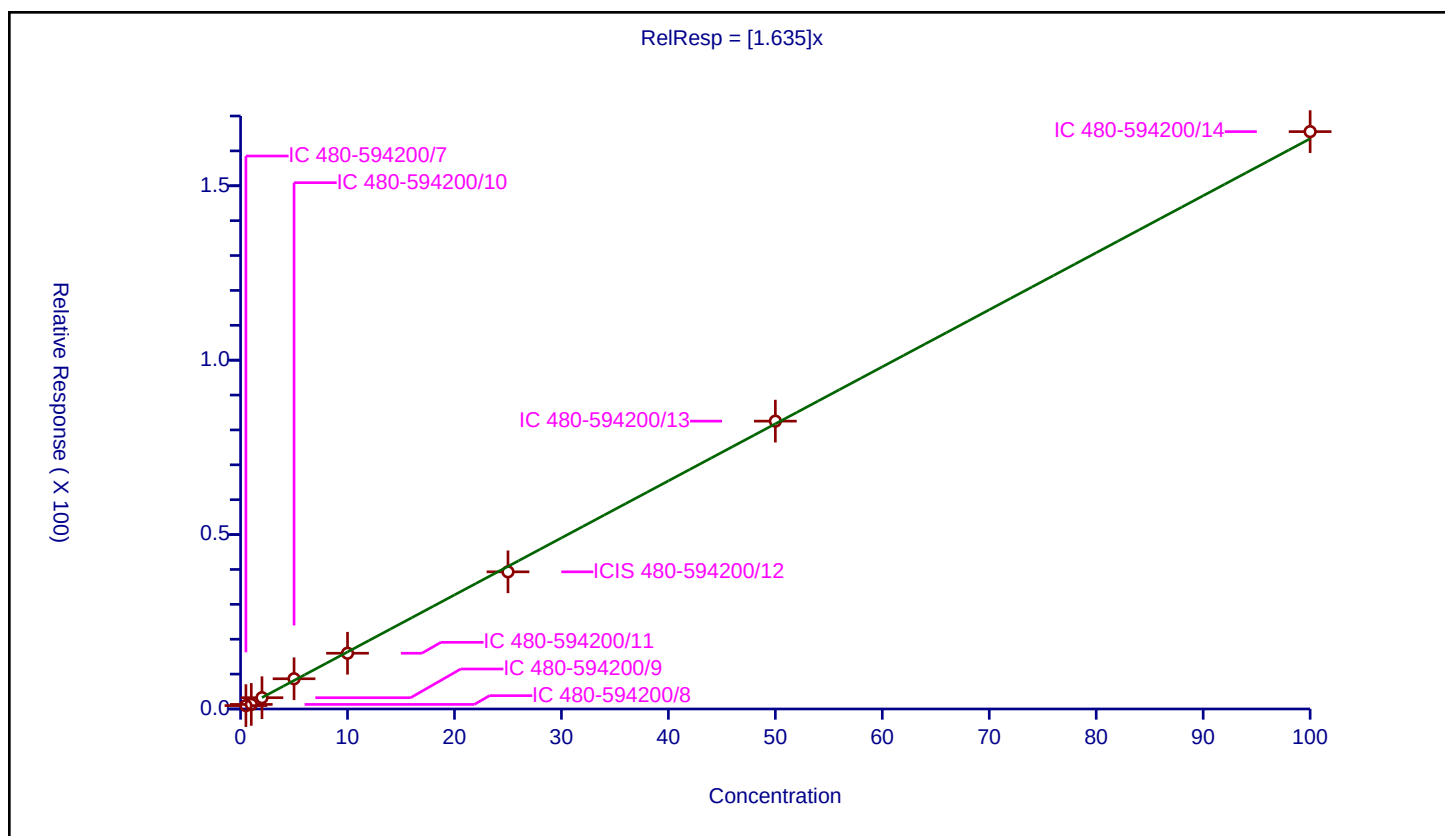
Curve Coefficients

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

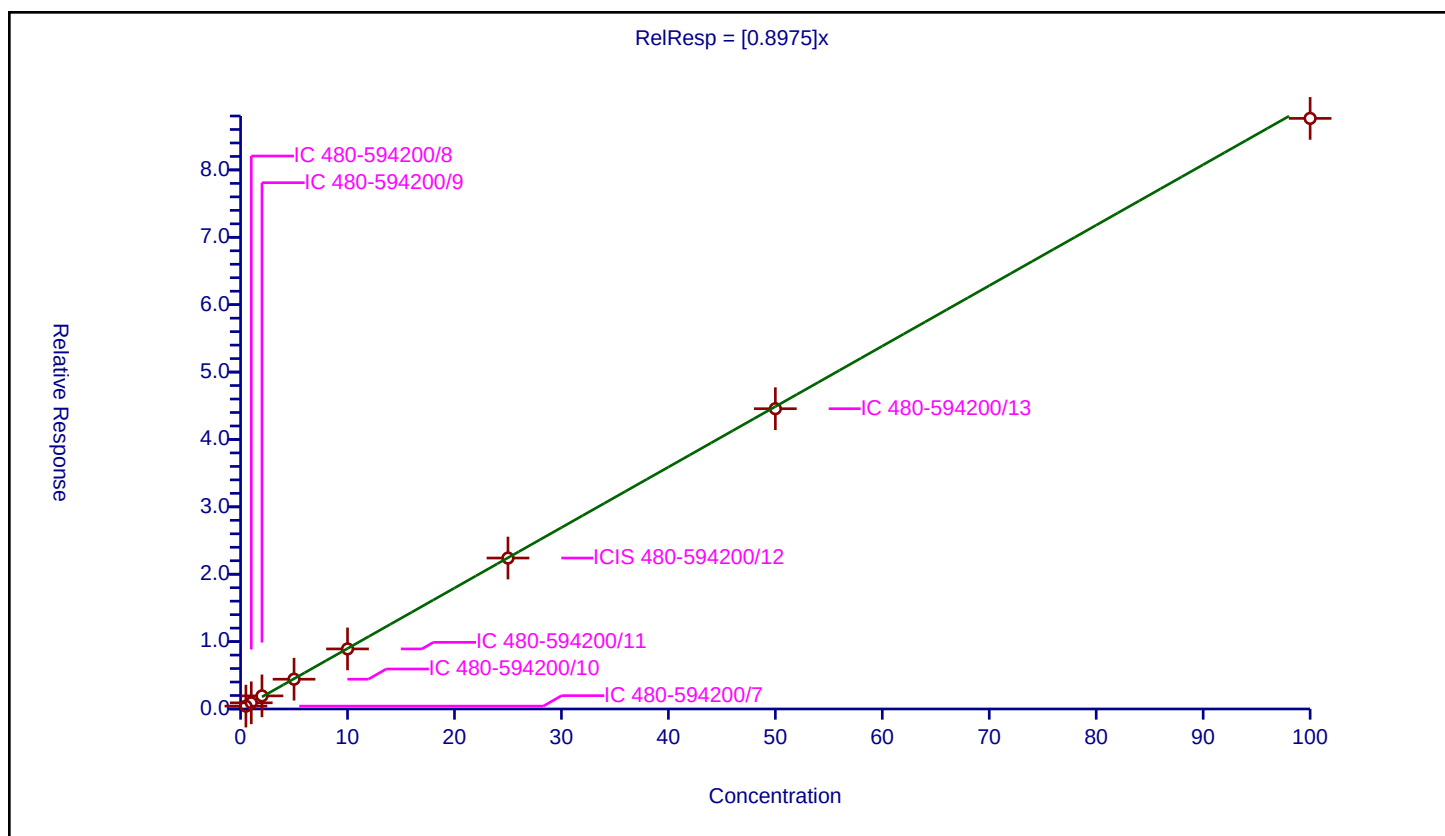
Curve Coefficients

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

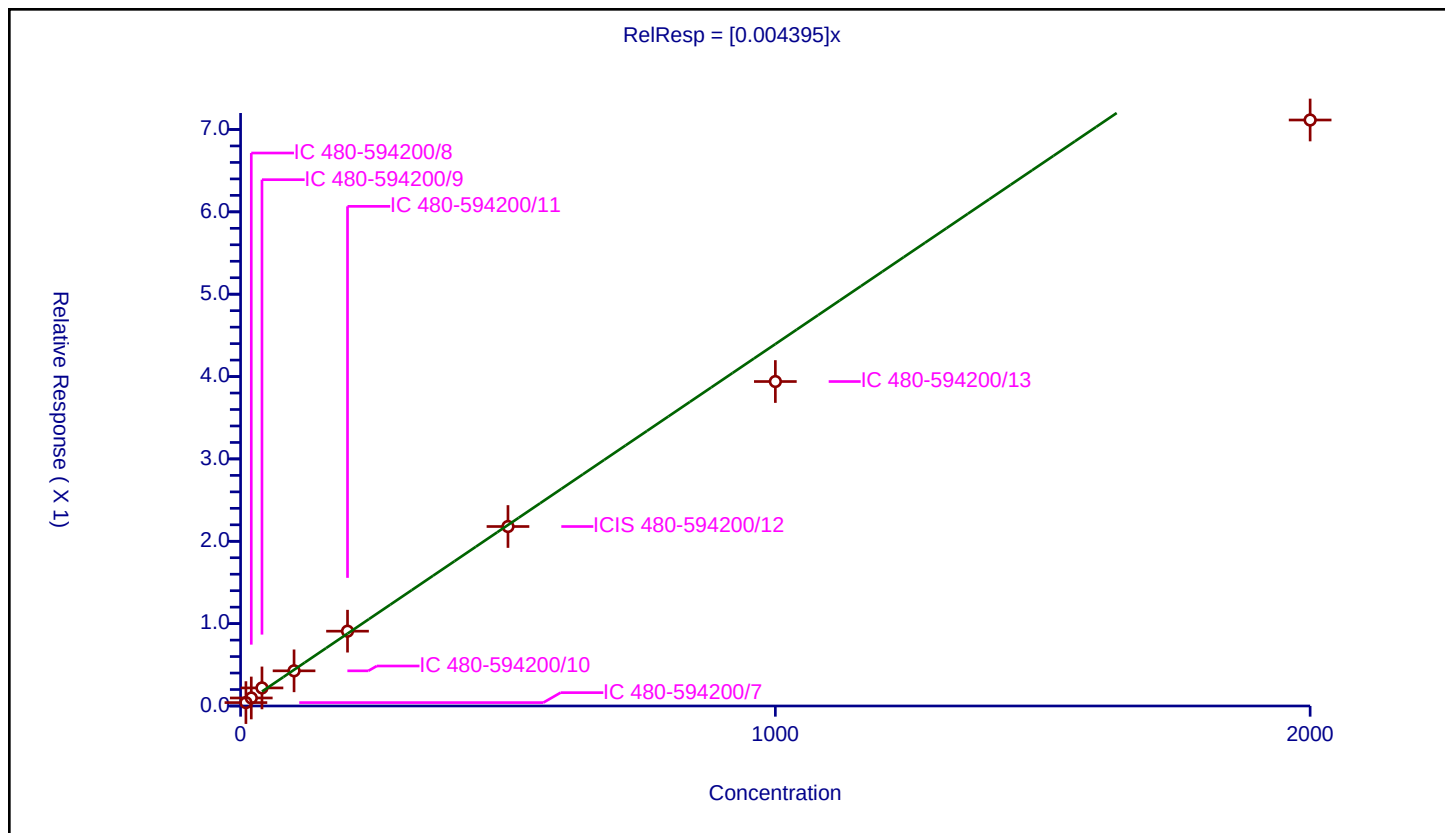
Curve Coefficients

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

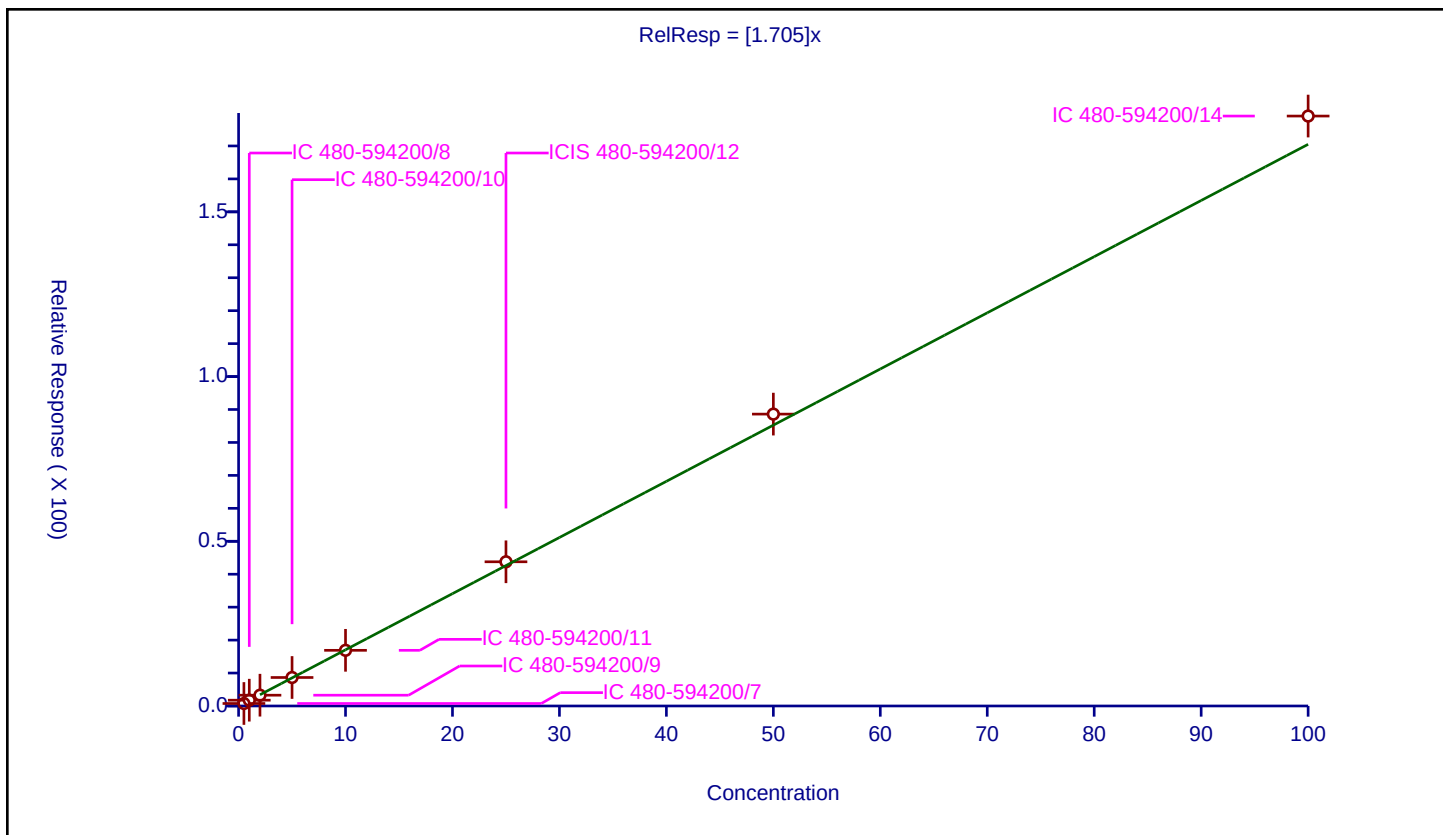
Curve Coefficients

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

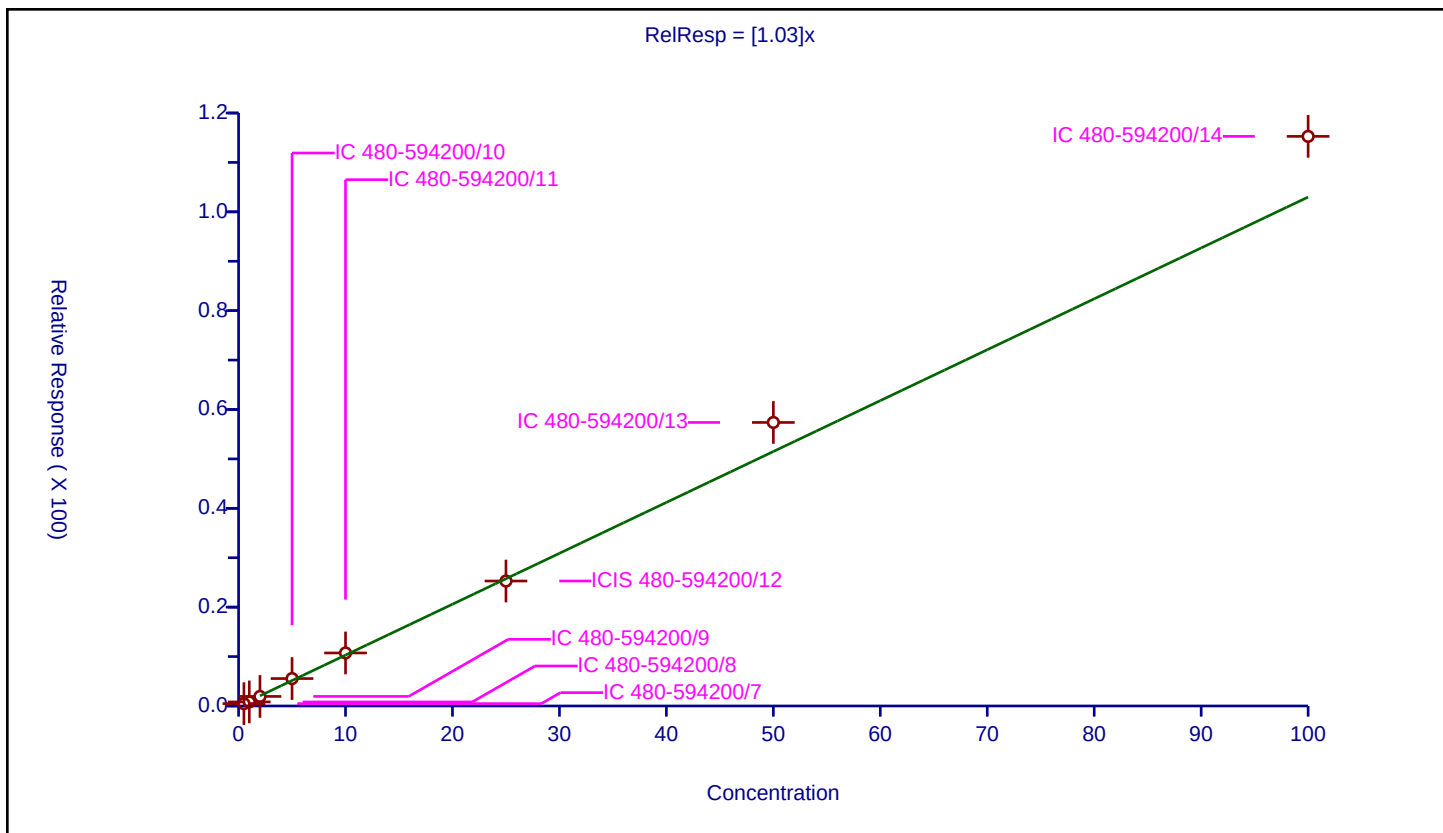
Curve Coefficients

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

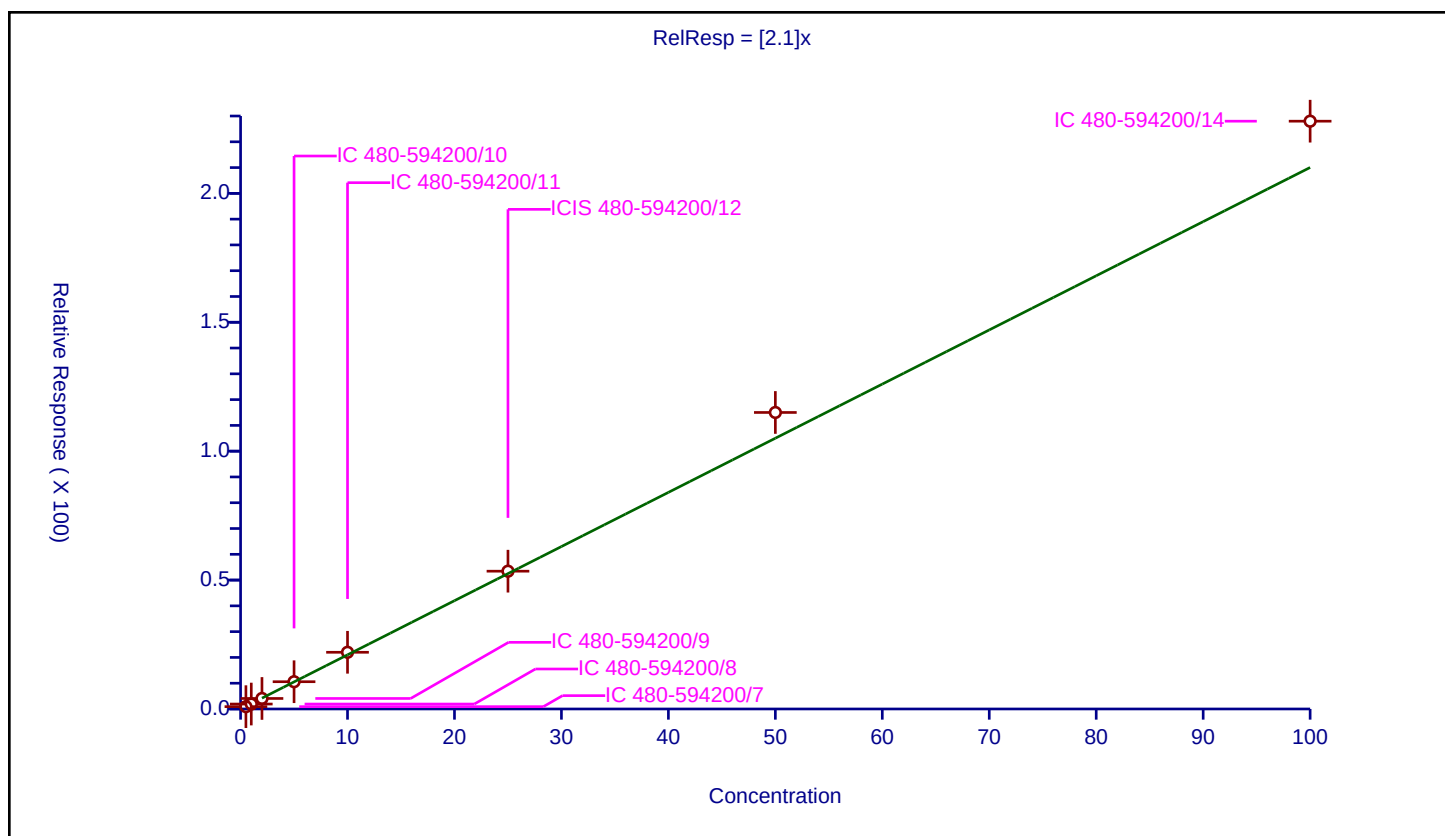
Curve Coefficients

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

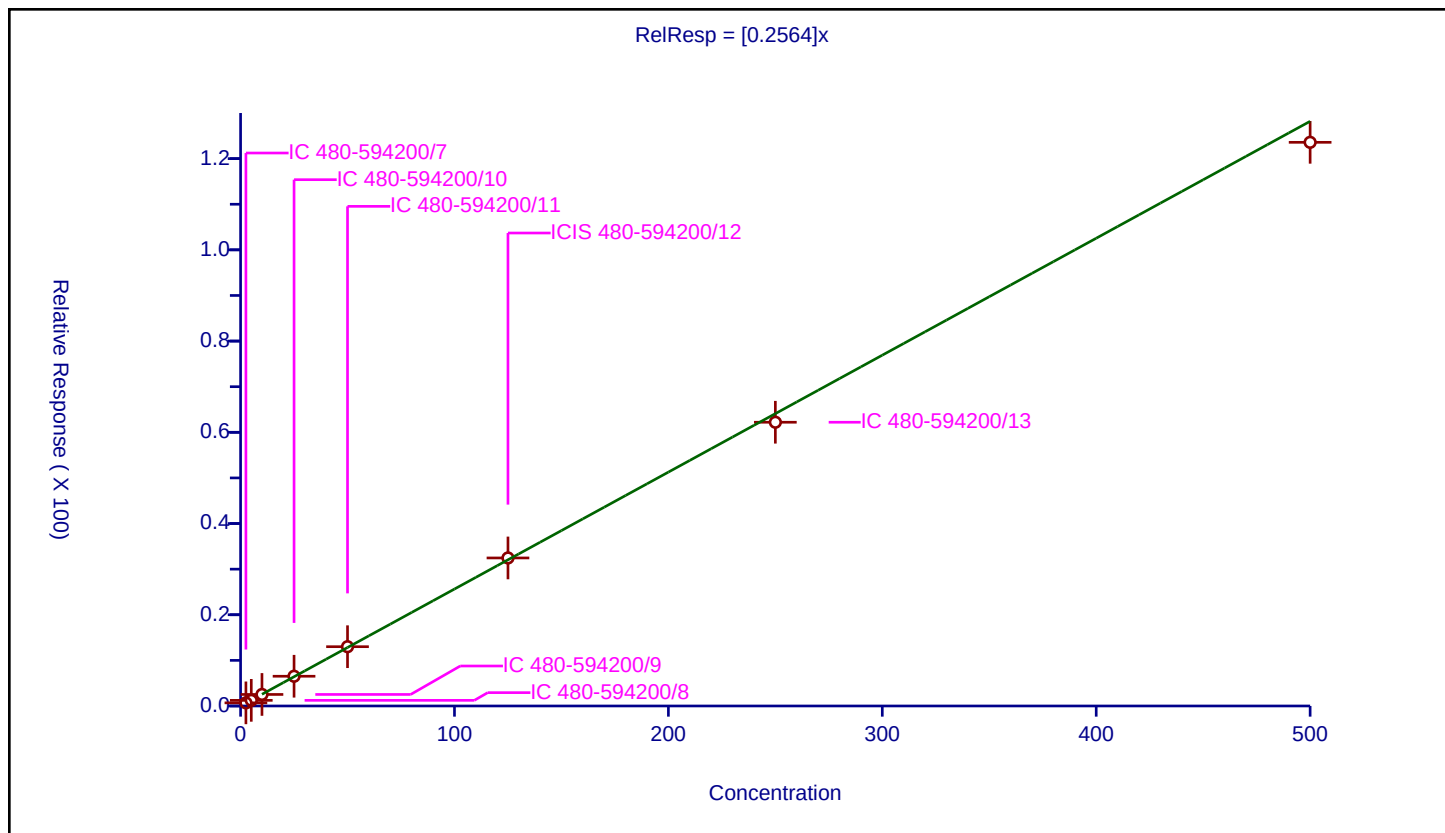
Curve Coefficients

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

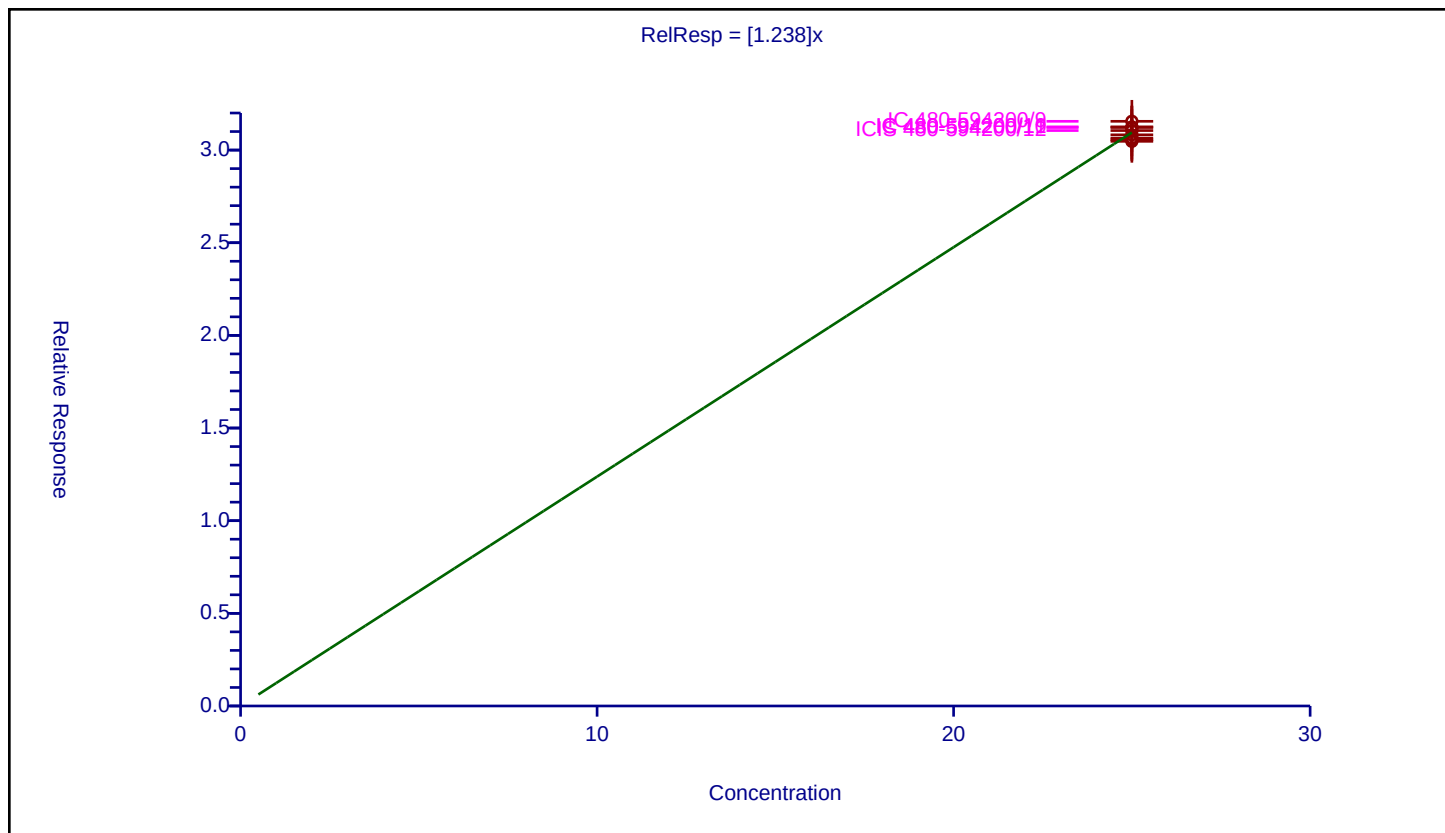
Curve Coefficients

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

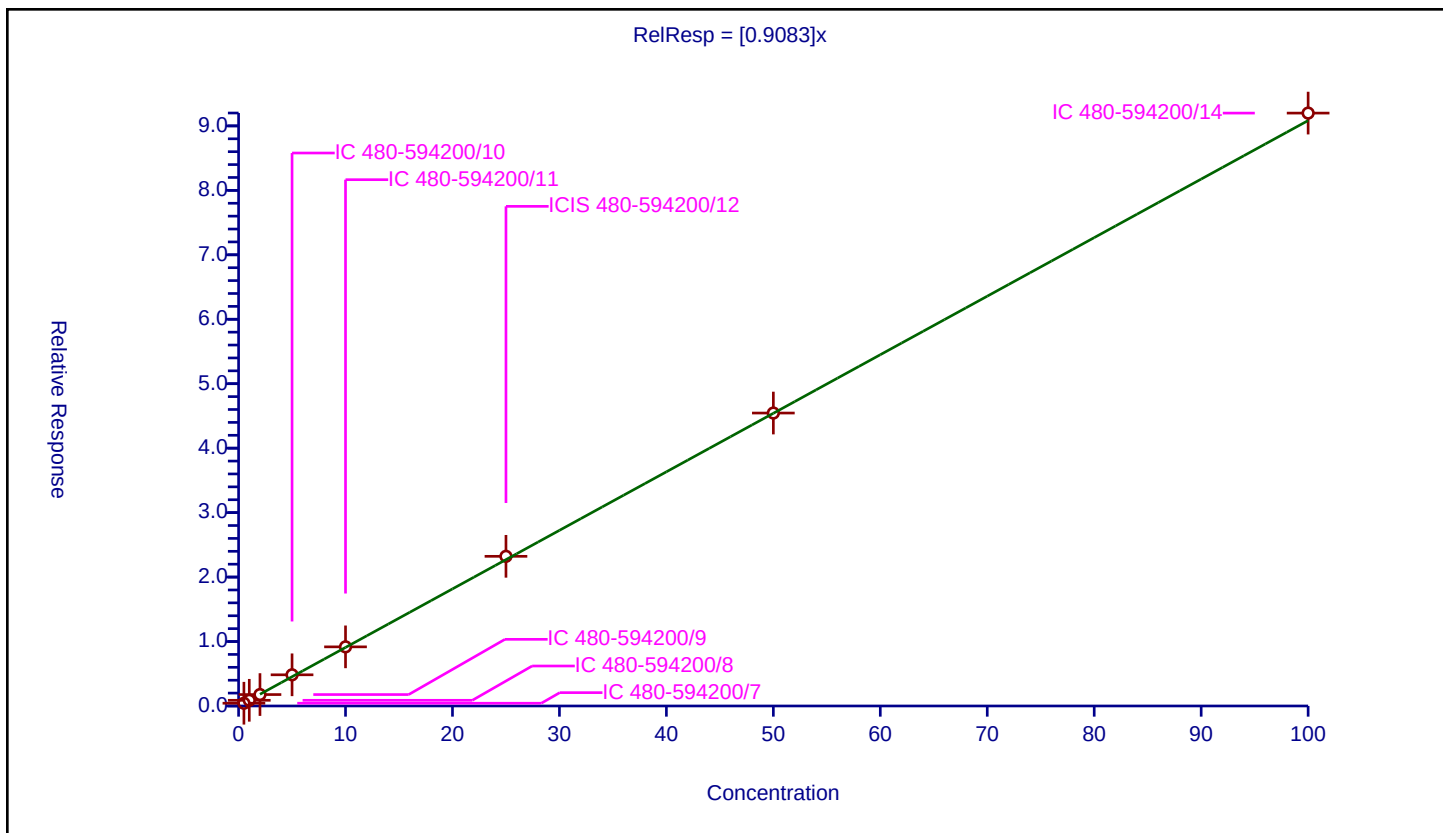
Curve Coefficients

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

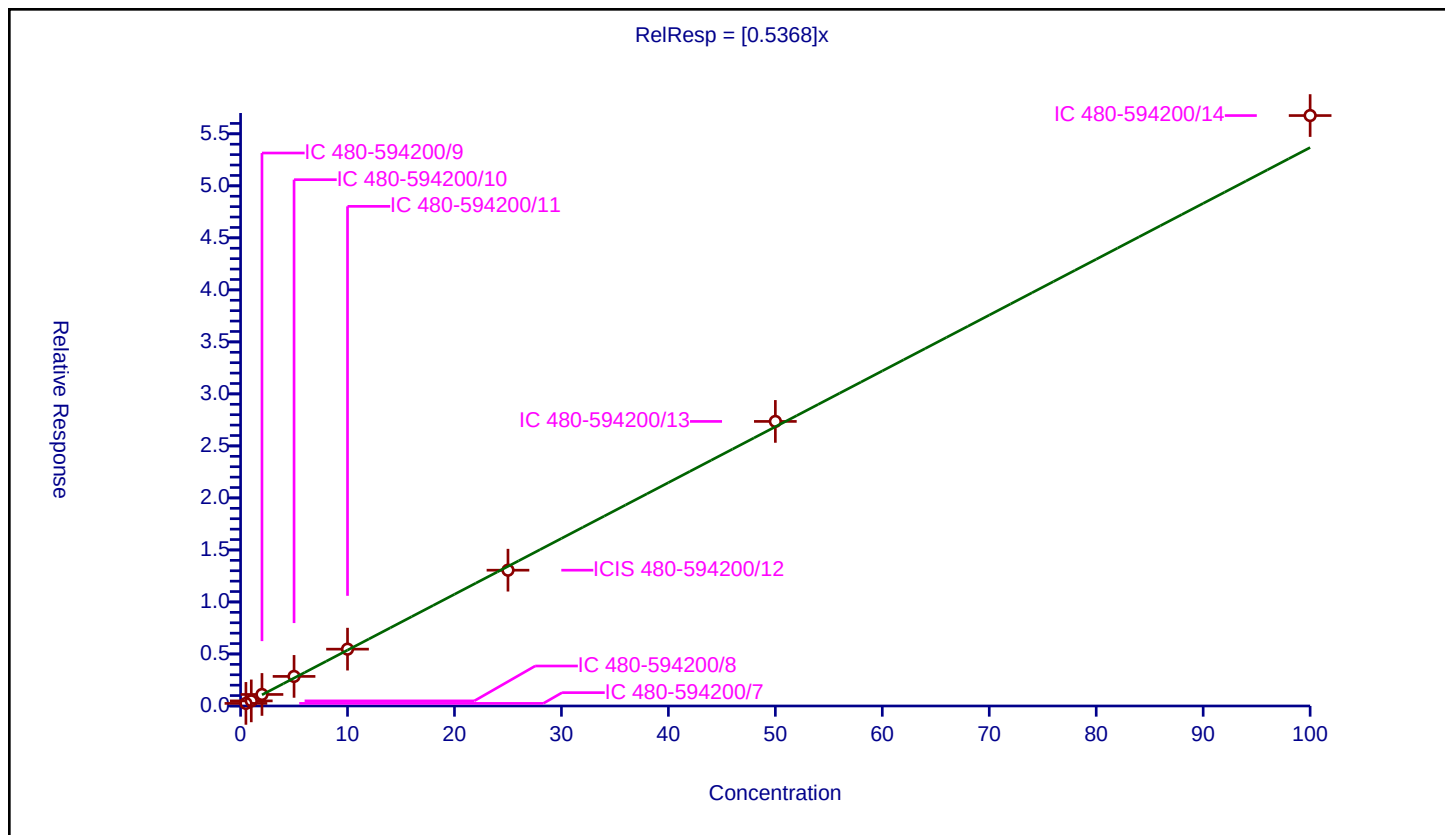
Curve Coefficients

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

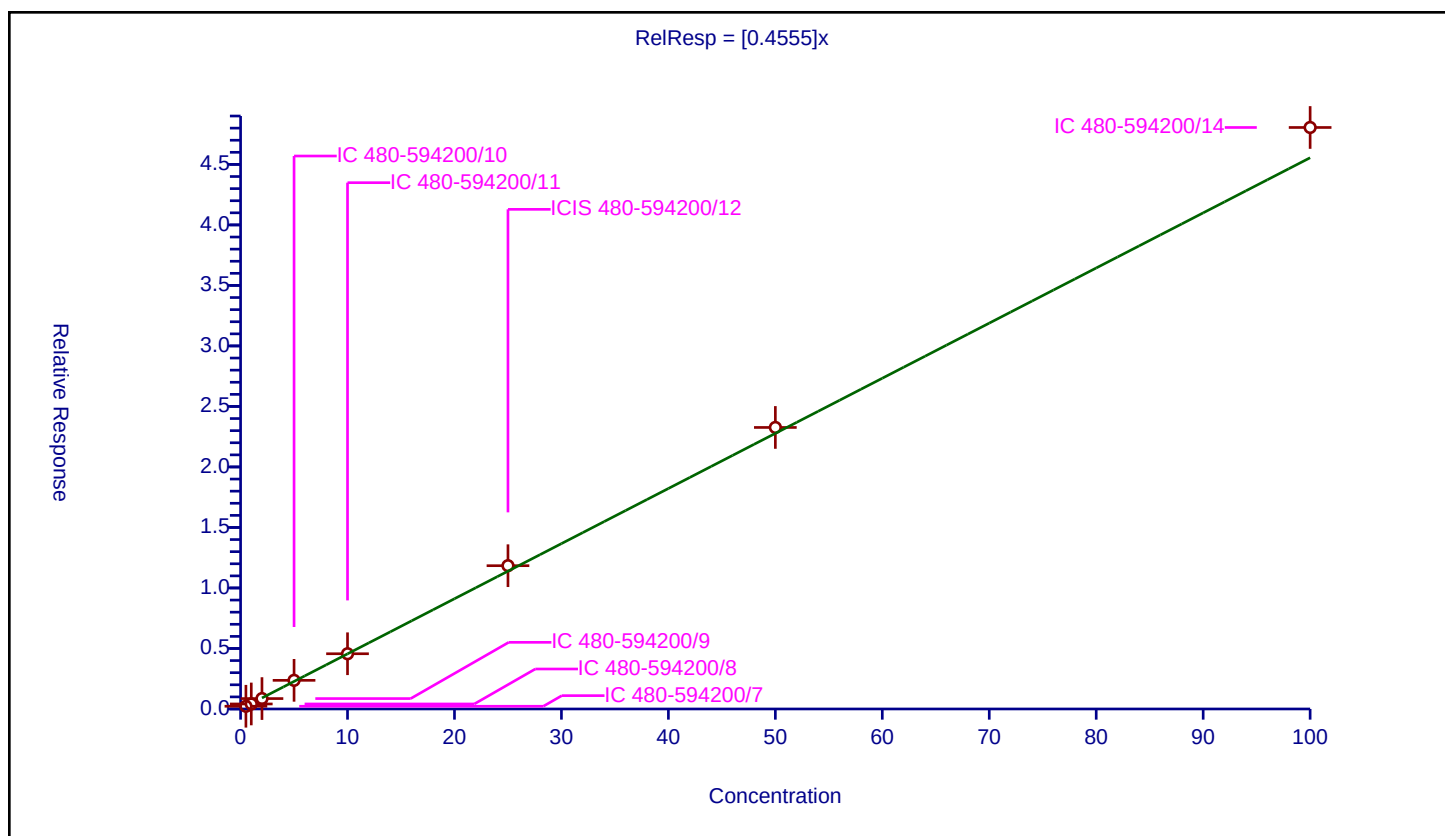
Curve Coefficients

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

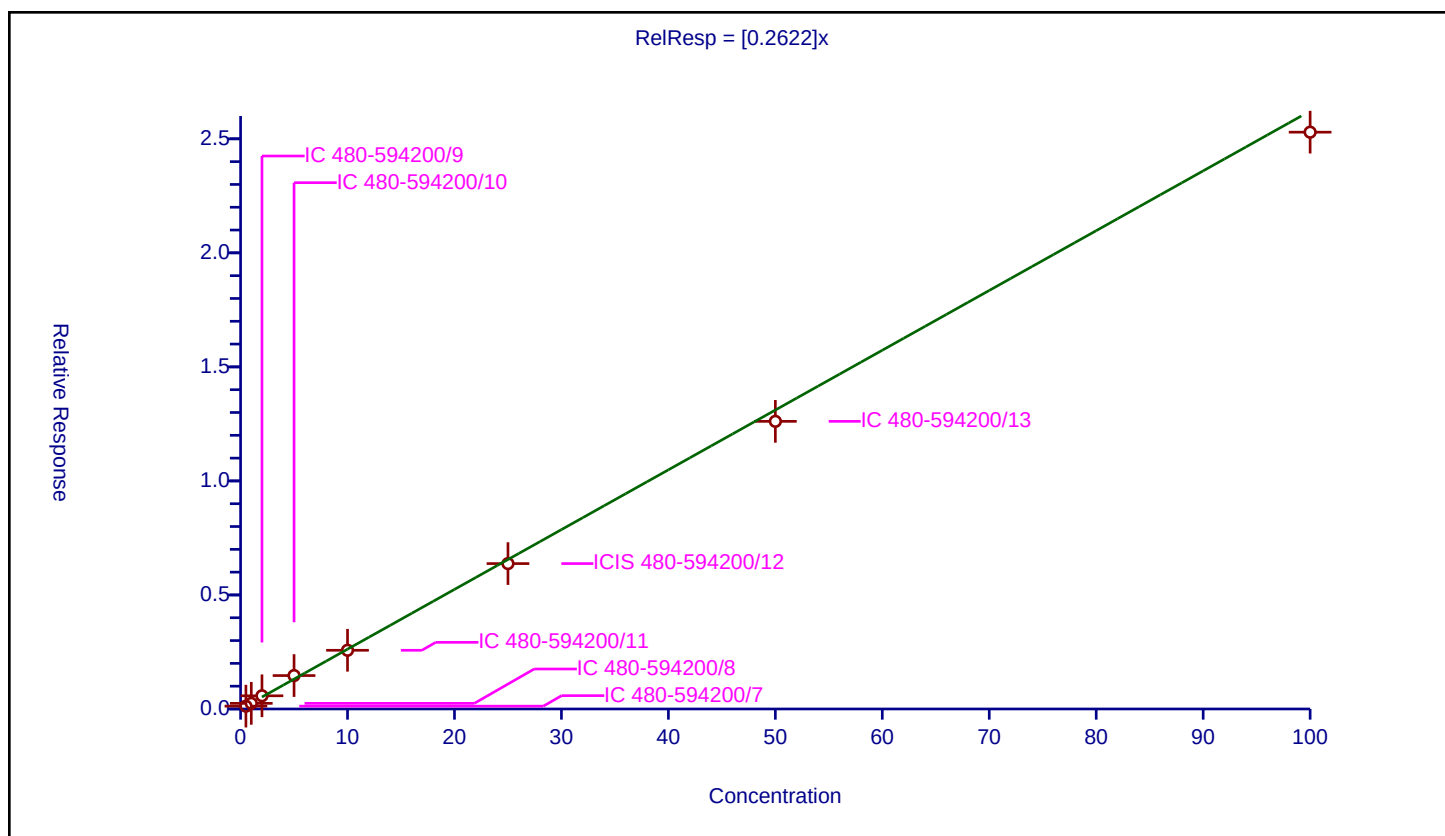
Curve Coefficients

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

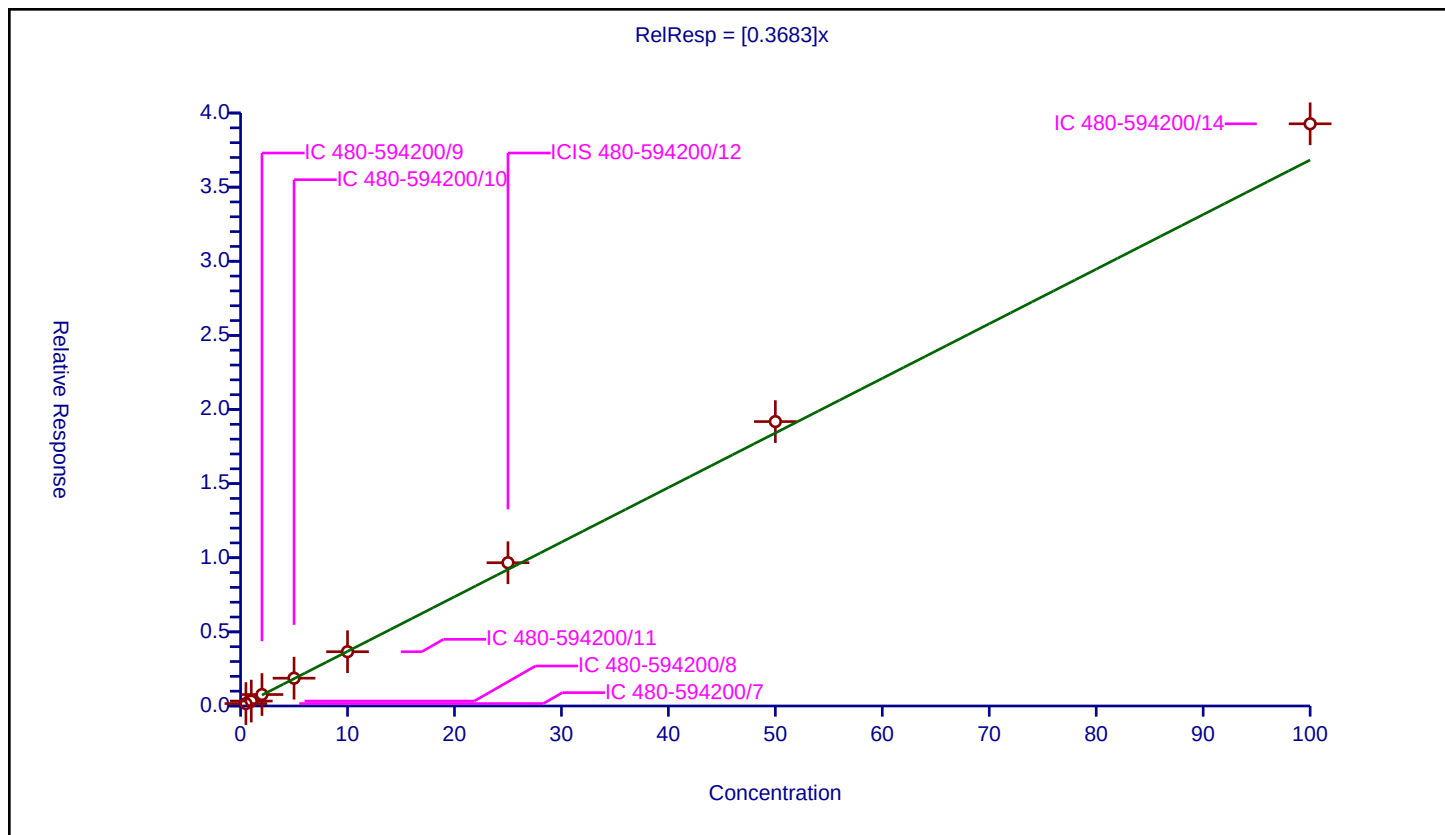
Curve Coefficients

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

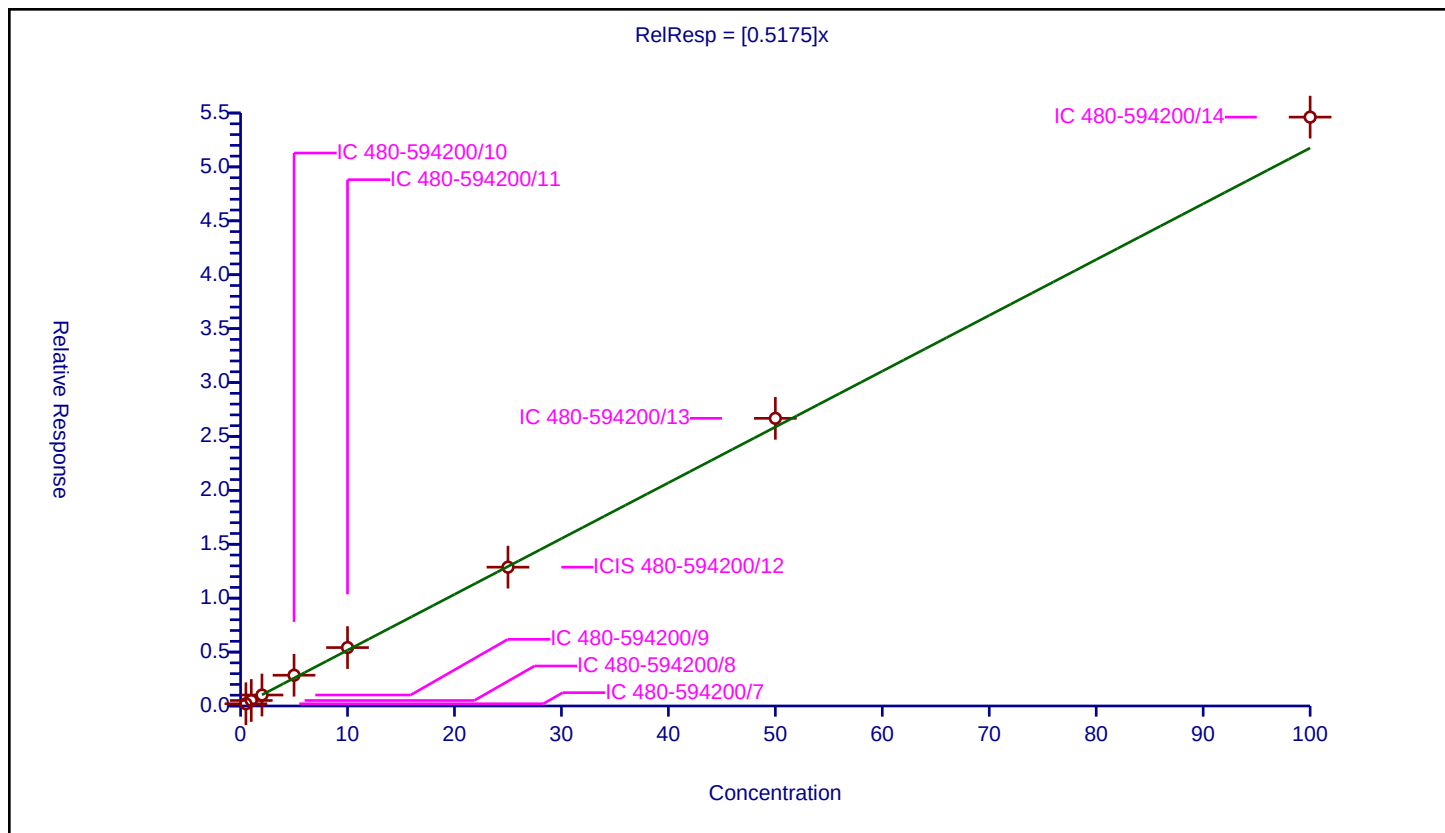
Curve Coefficients

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

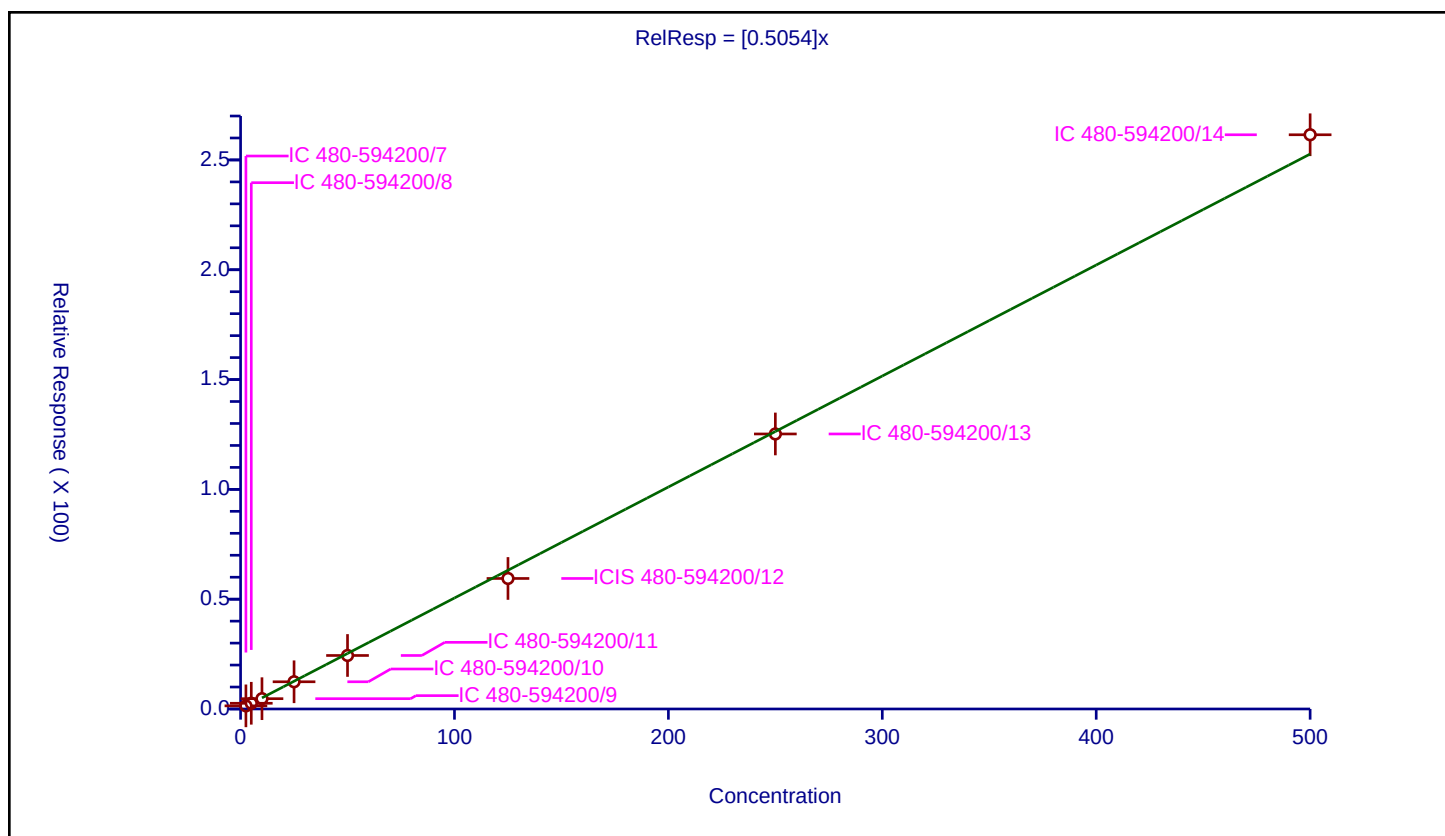
Curve Coefficients

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

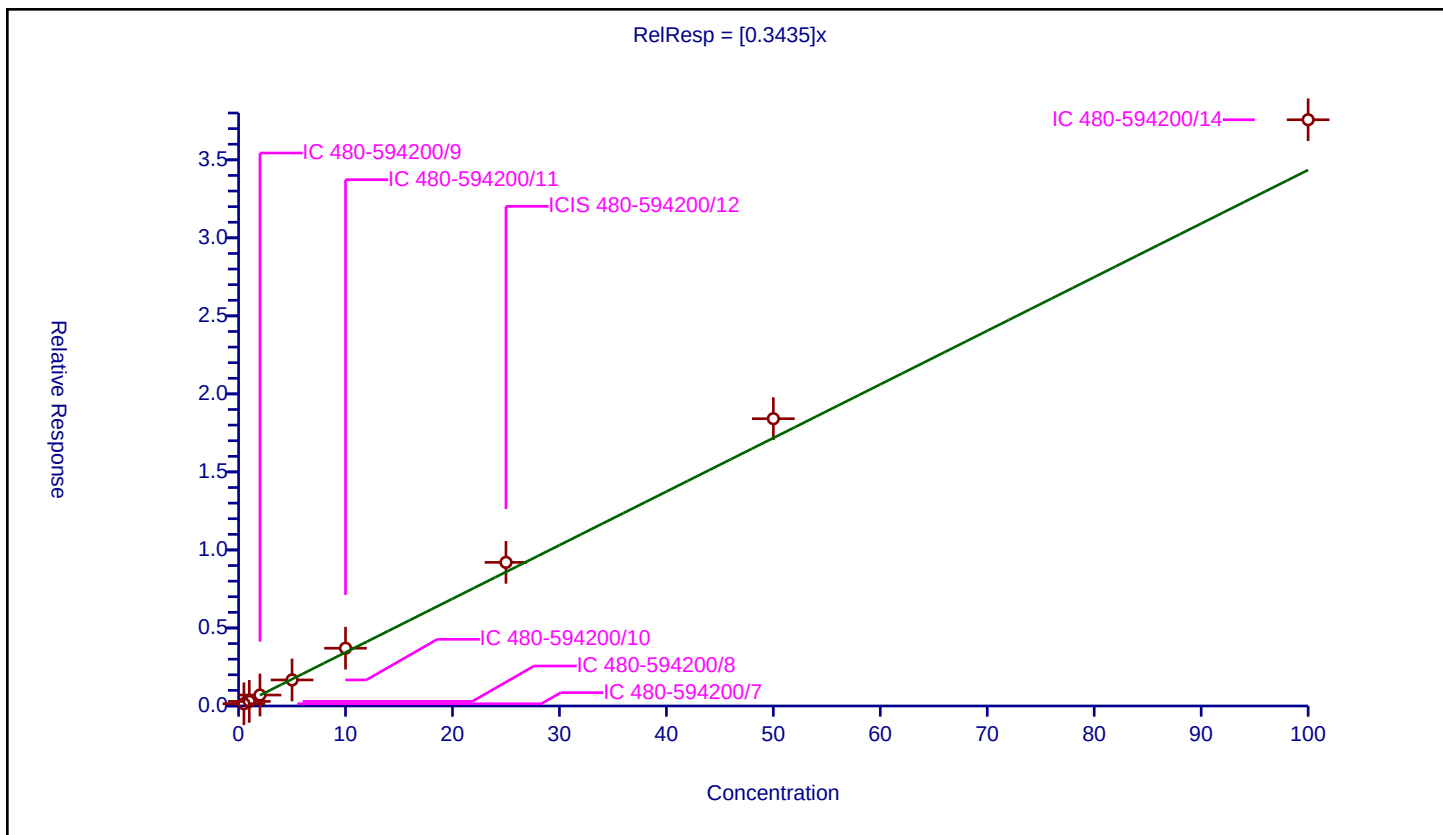
Curve Coefficients

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

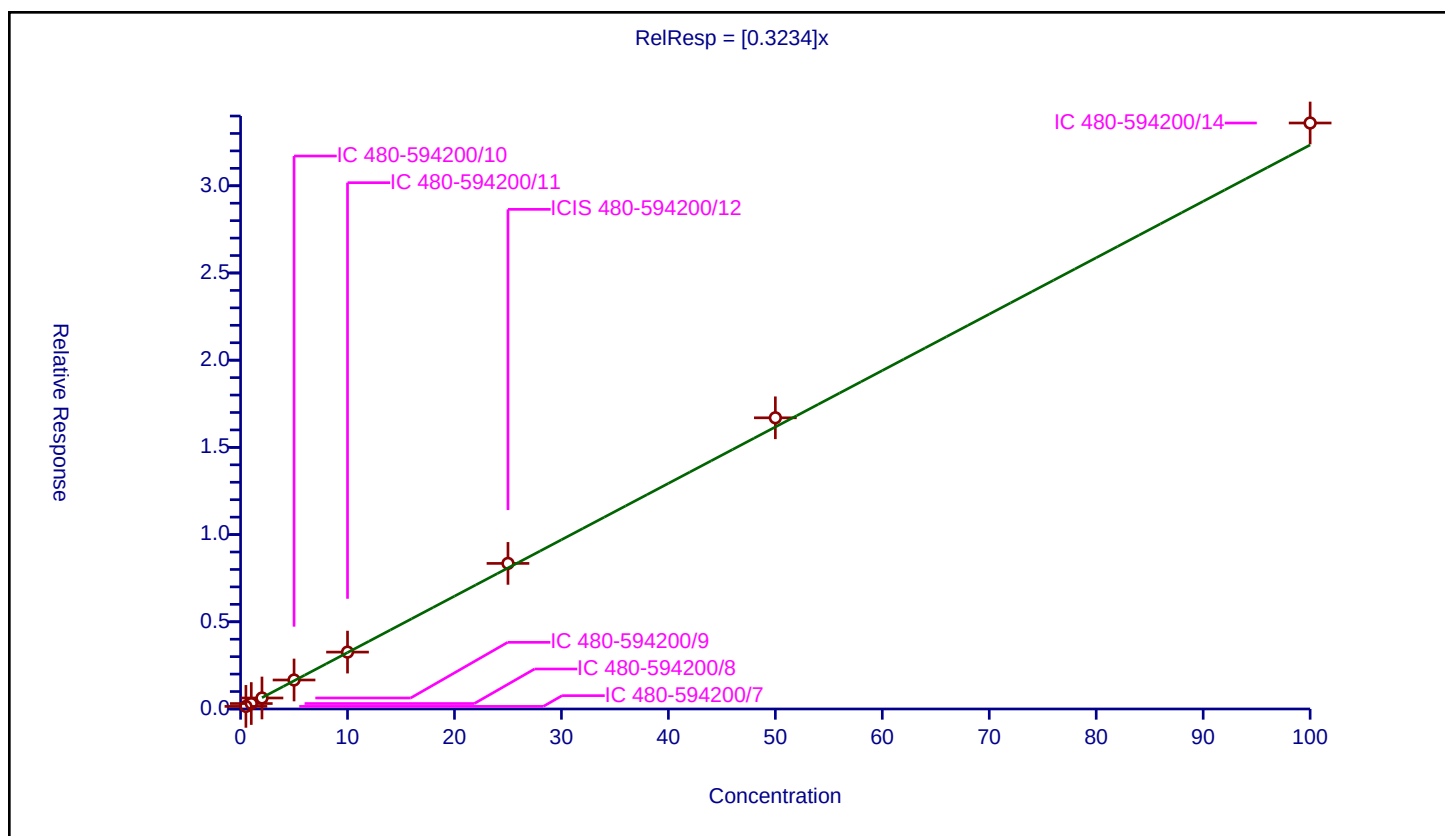
Curve Coefficients

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

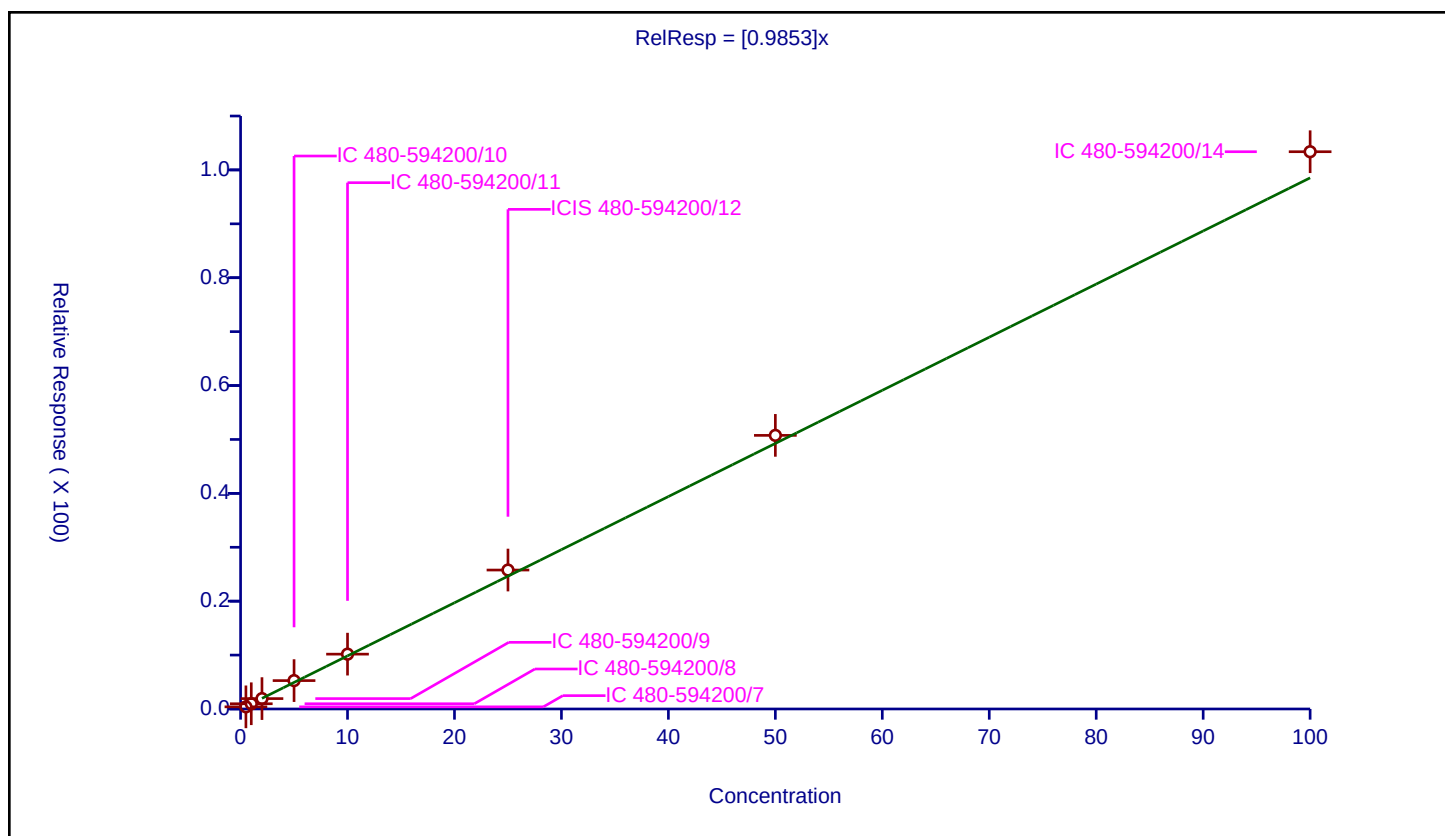
Curve Coefficients

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

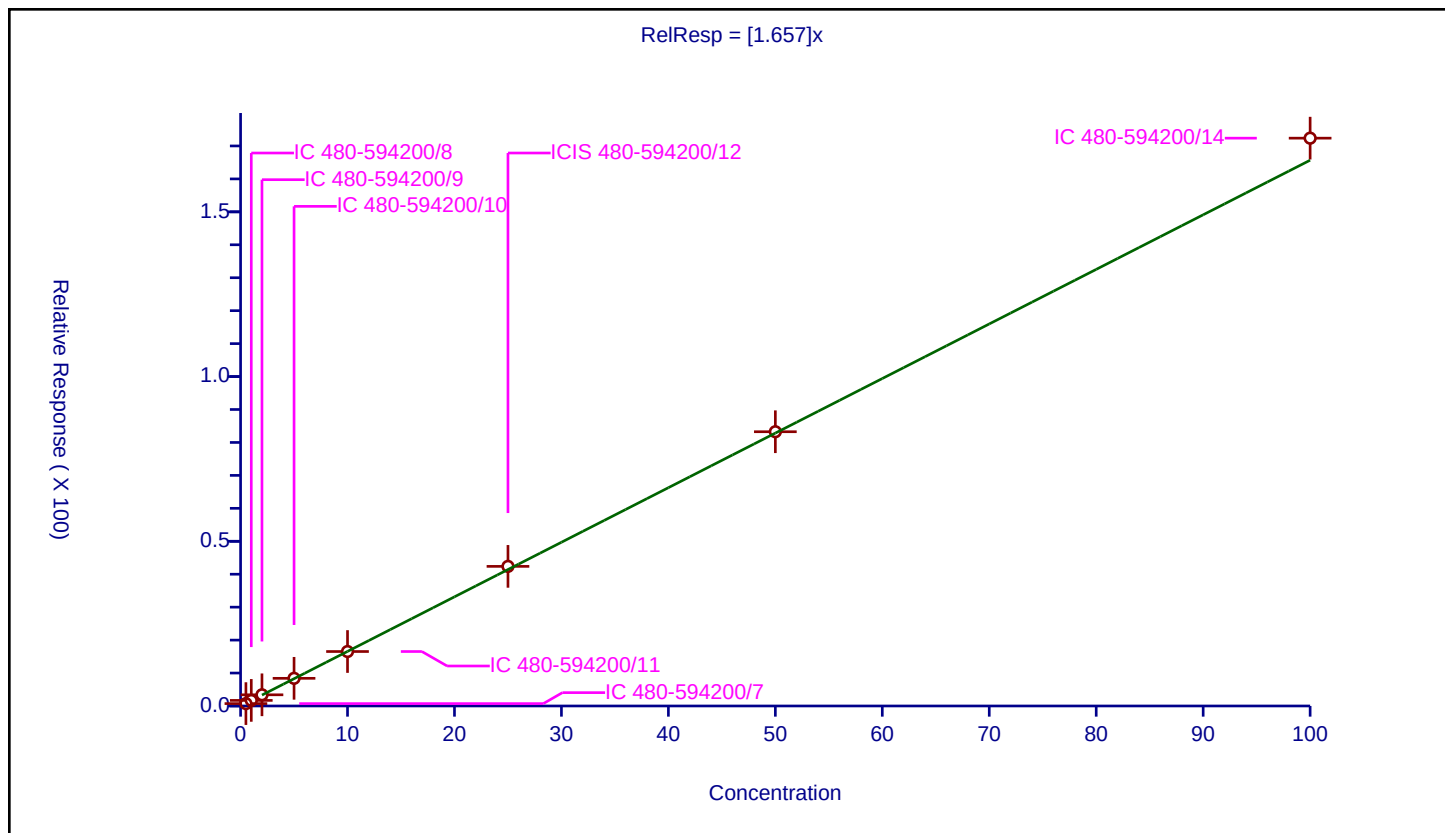
Curve Coefficients

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

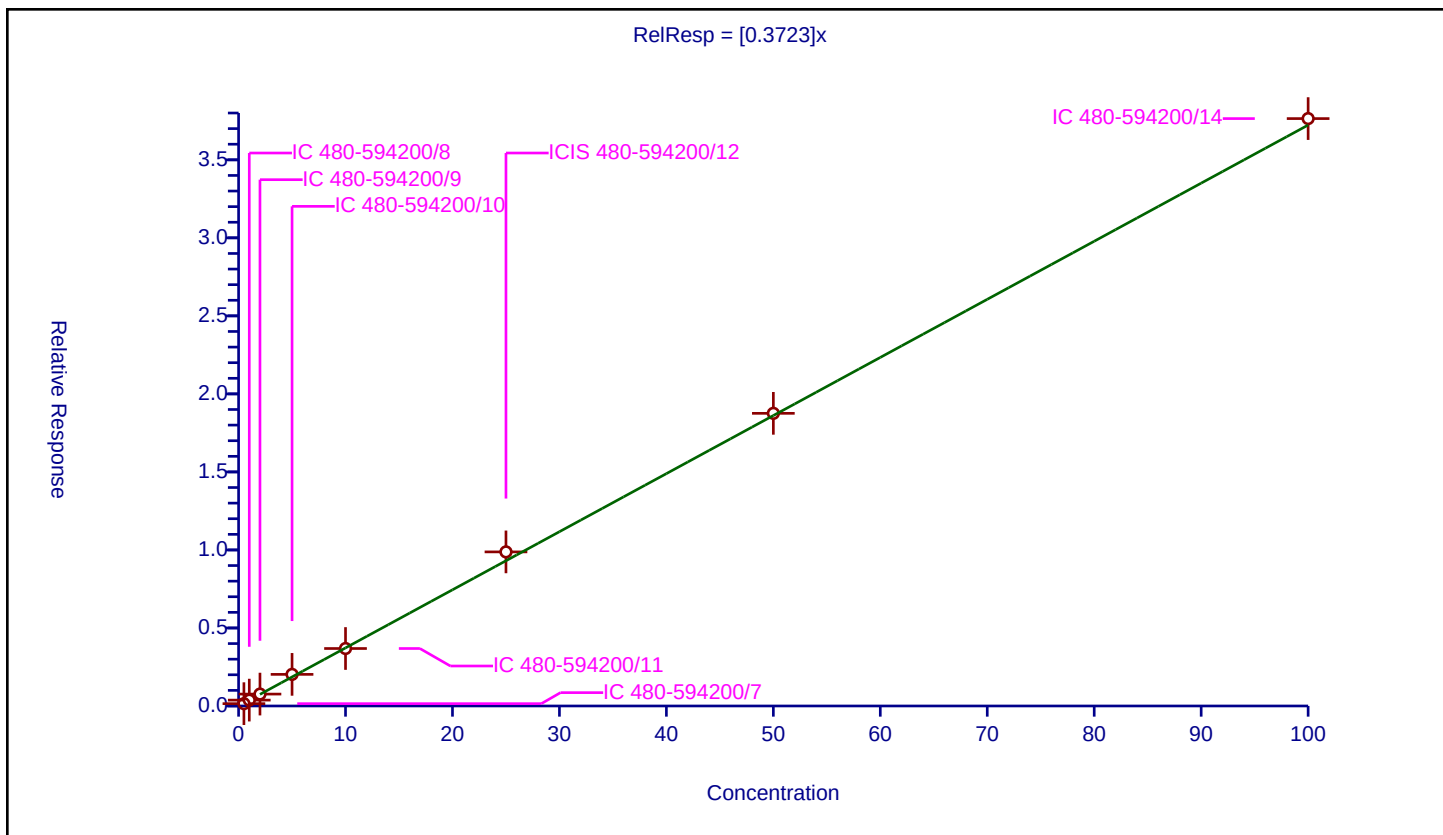
Curve Coefficients

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

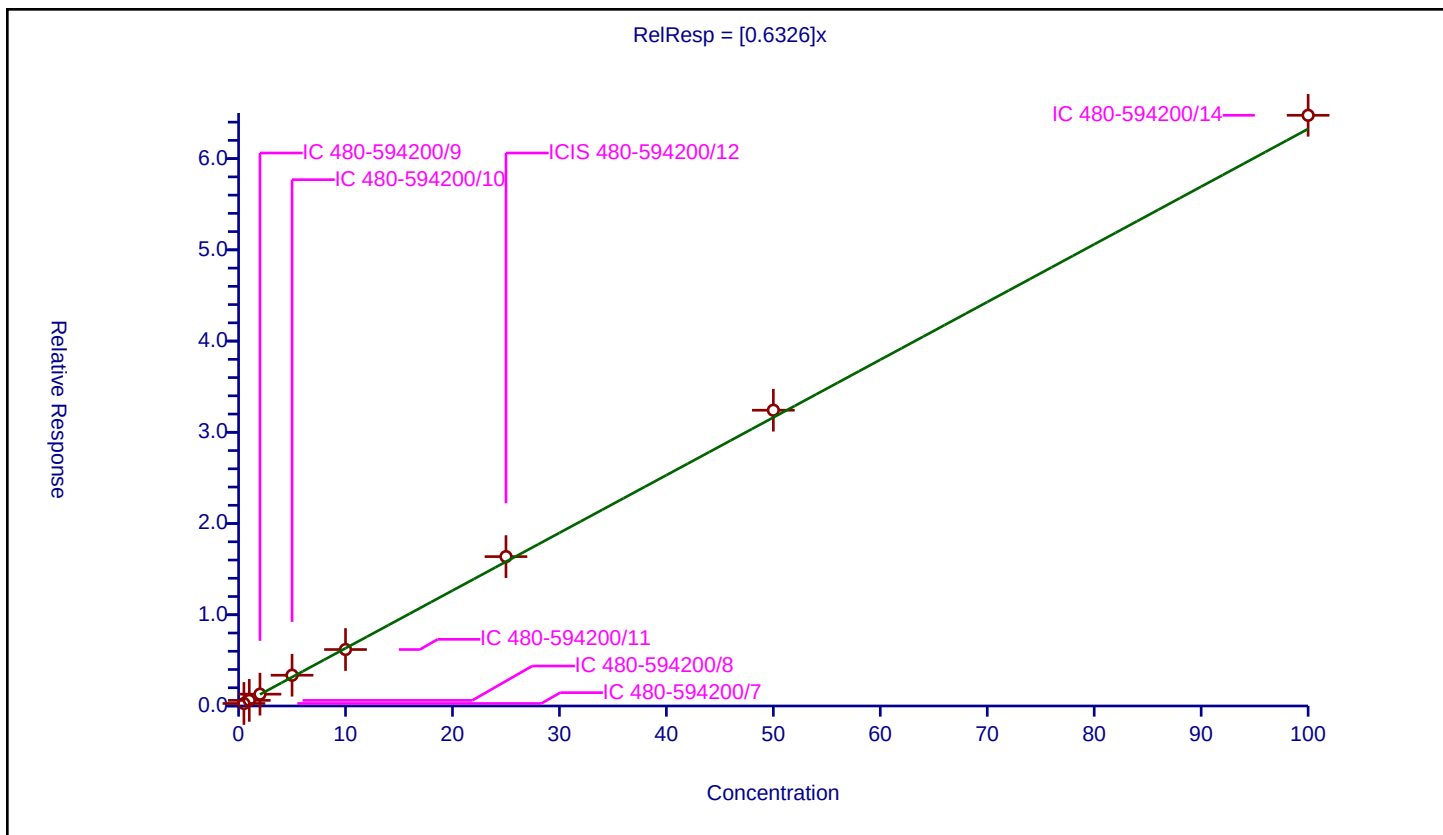
Curve Coefficients

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

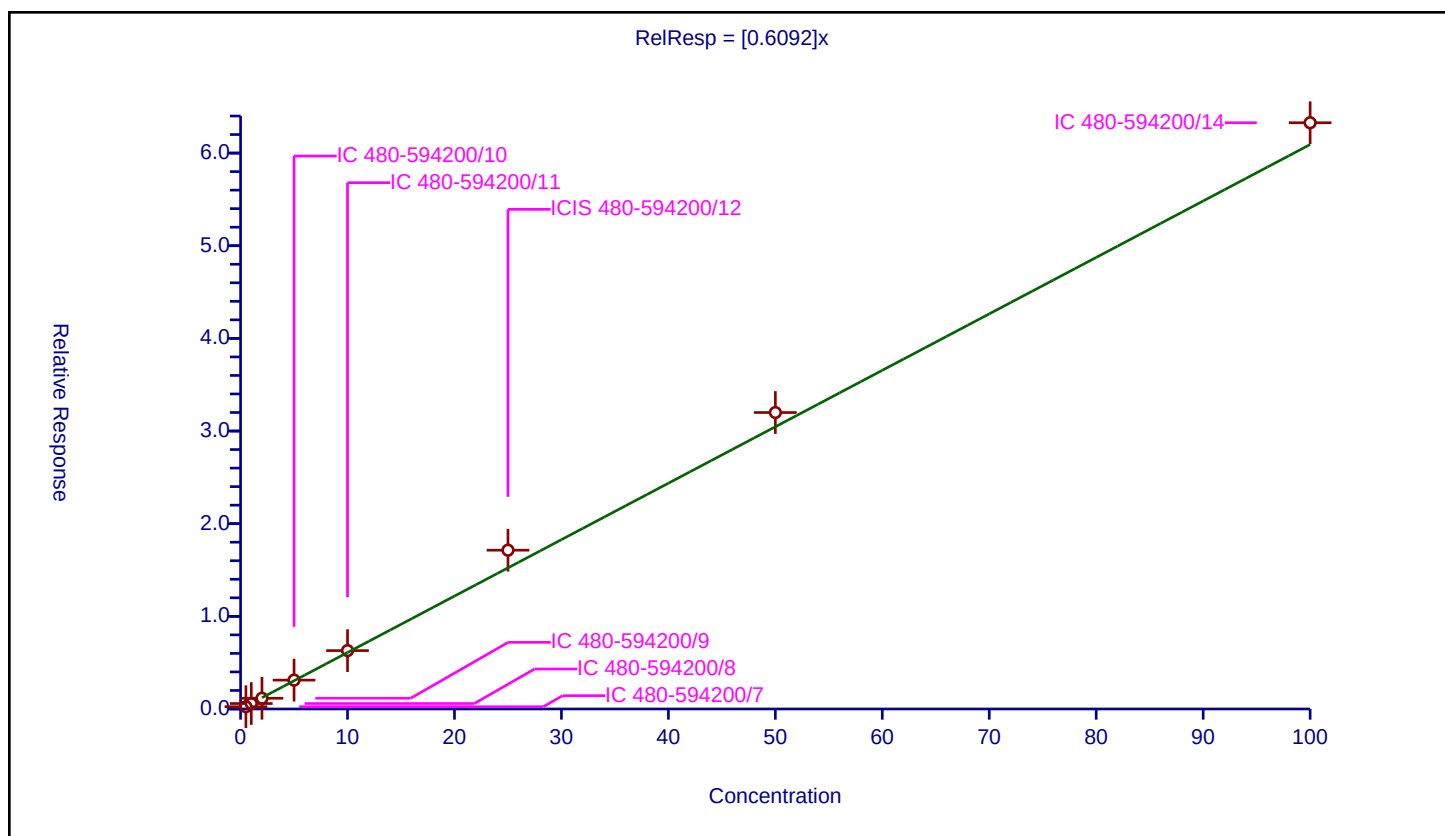
Curve Coefficients

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

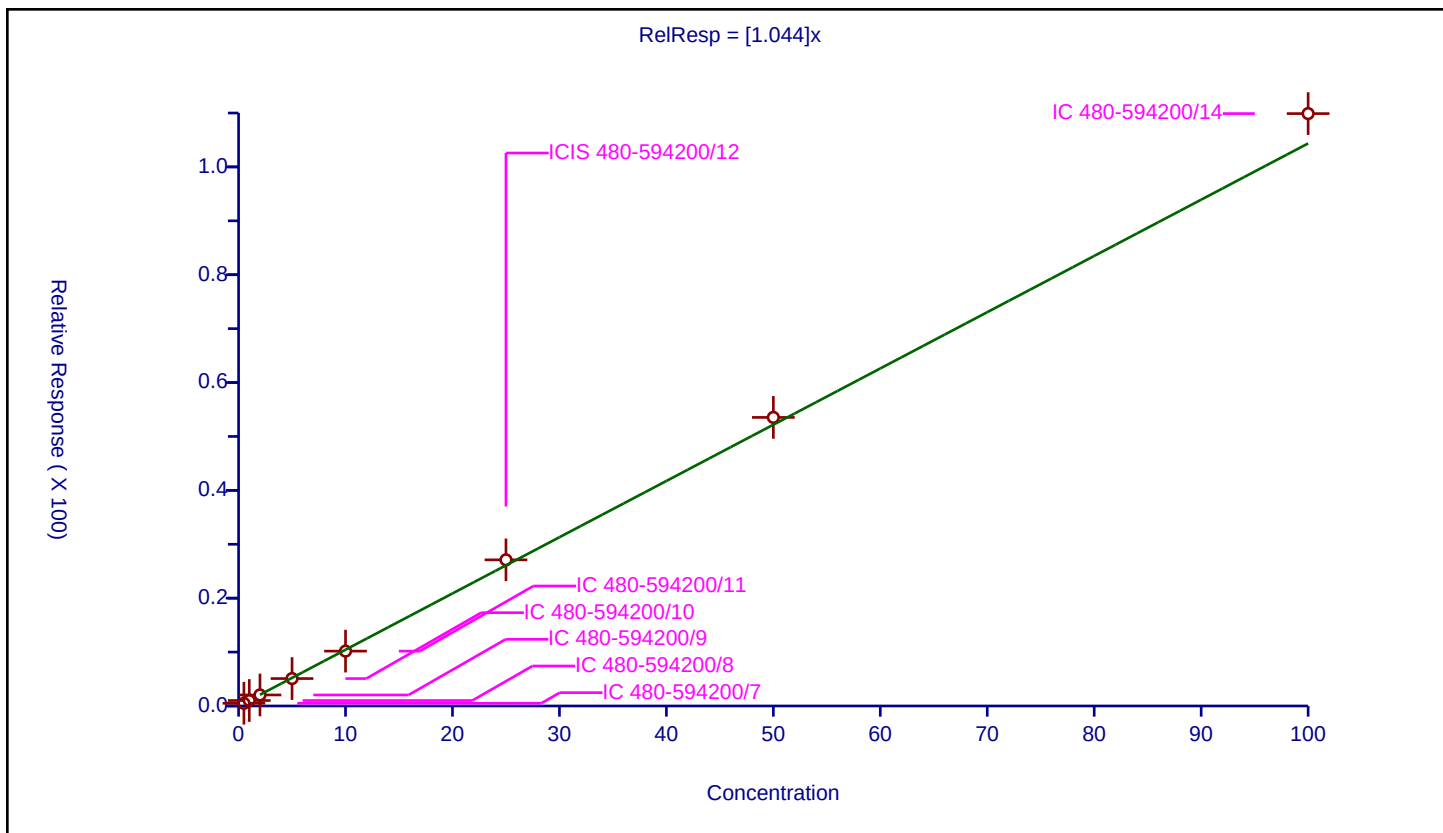
Curve Coefficients

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

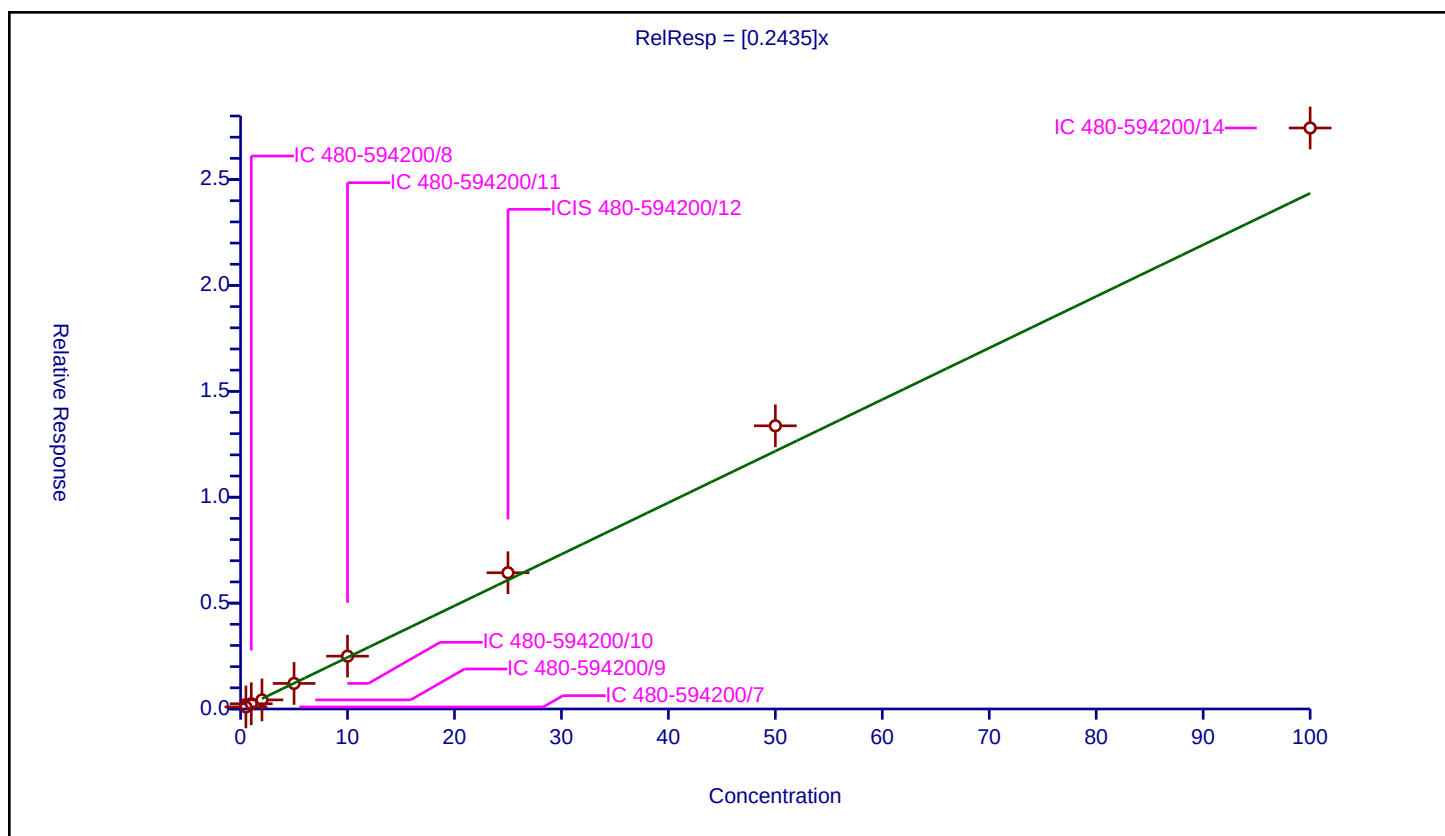
Curve Coefficients

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

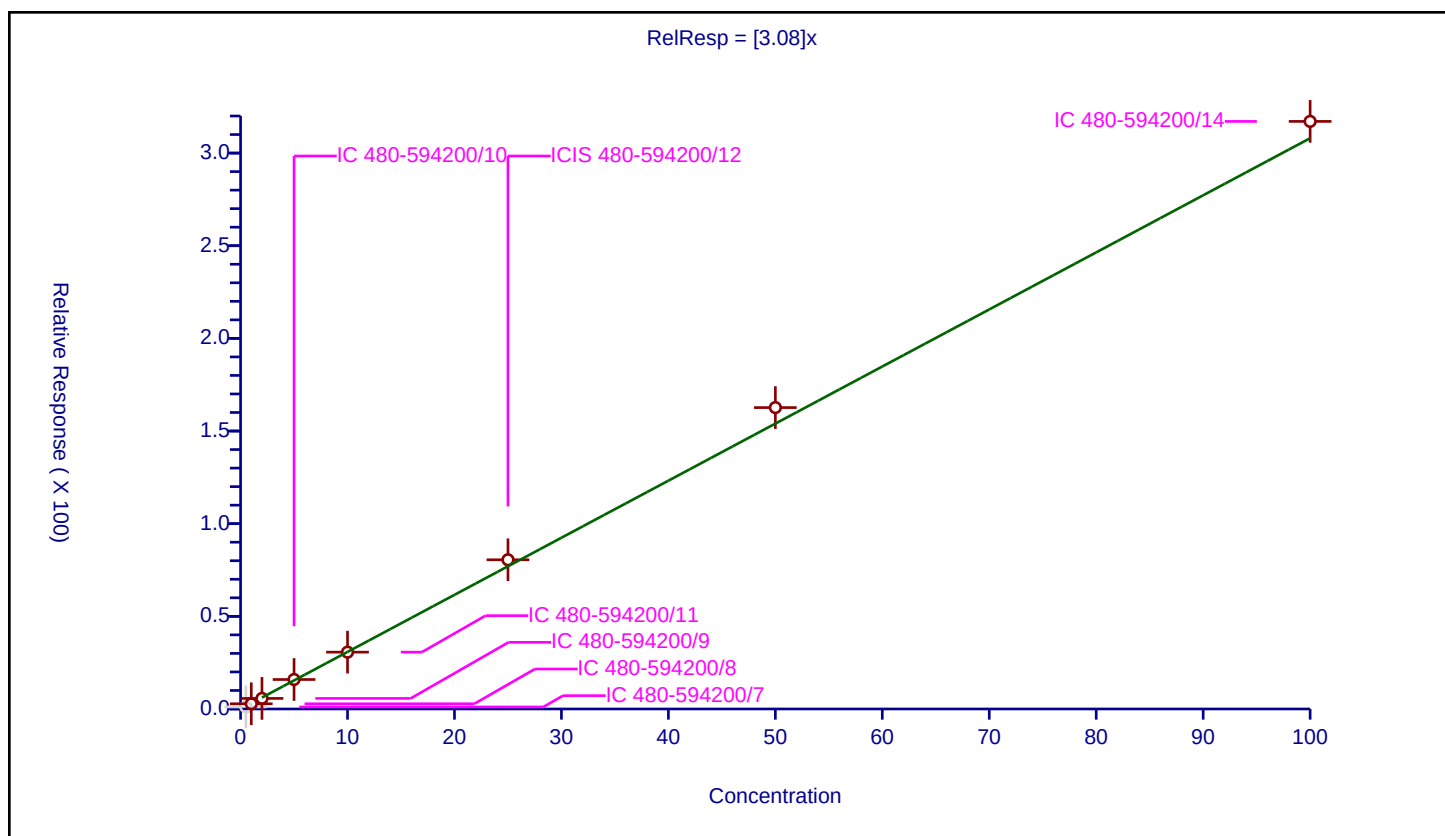
Curve Coefficients

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

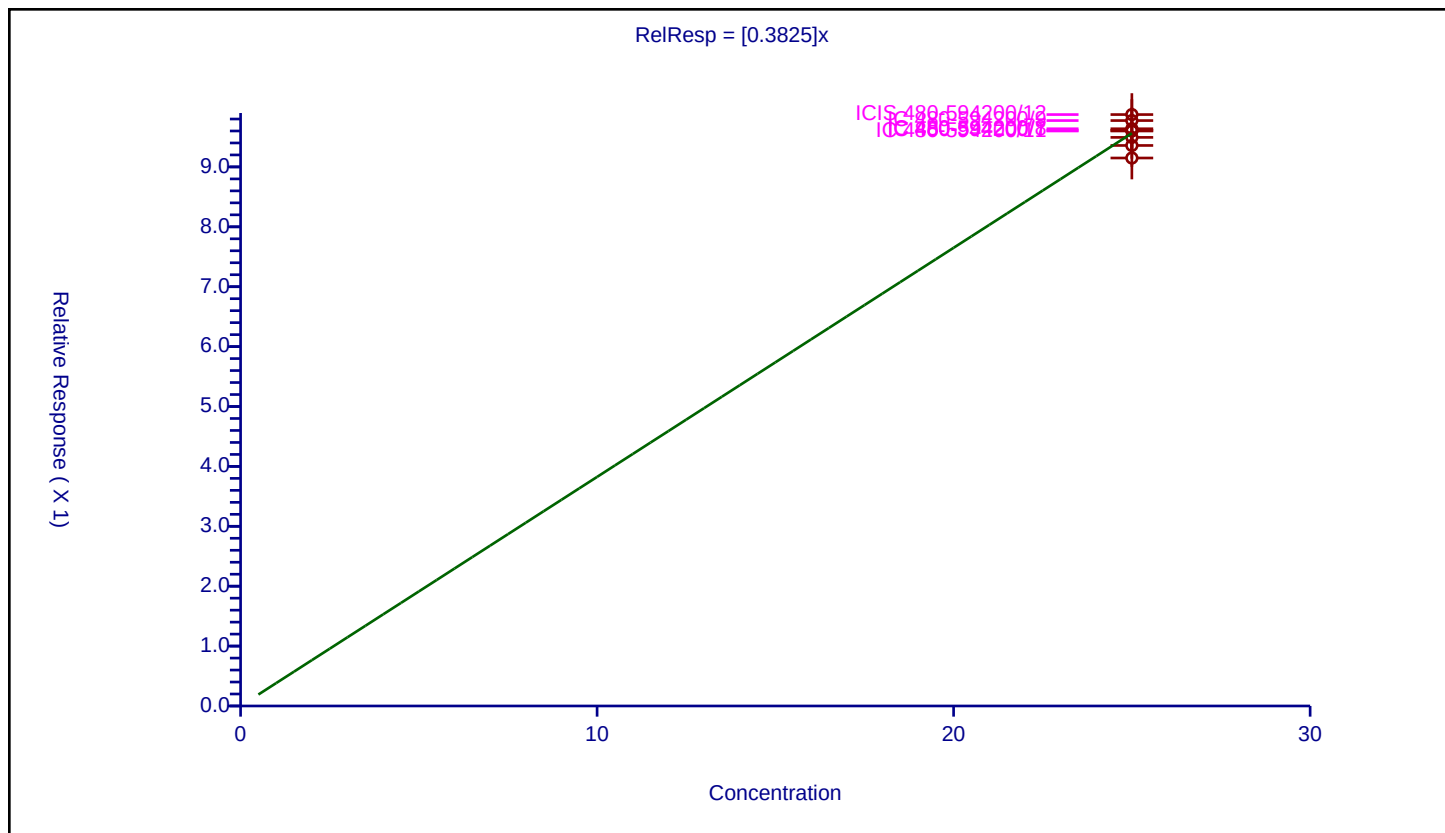
Curve Coefficients

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

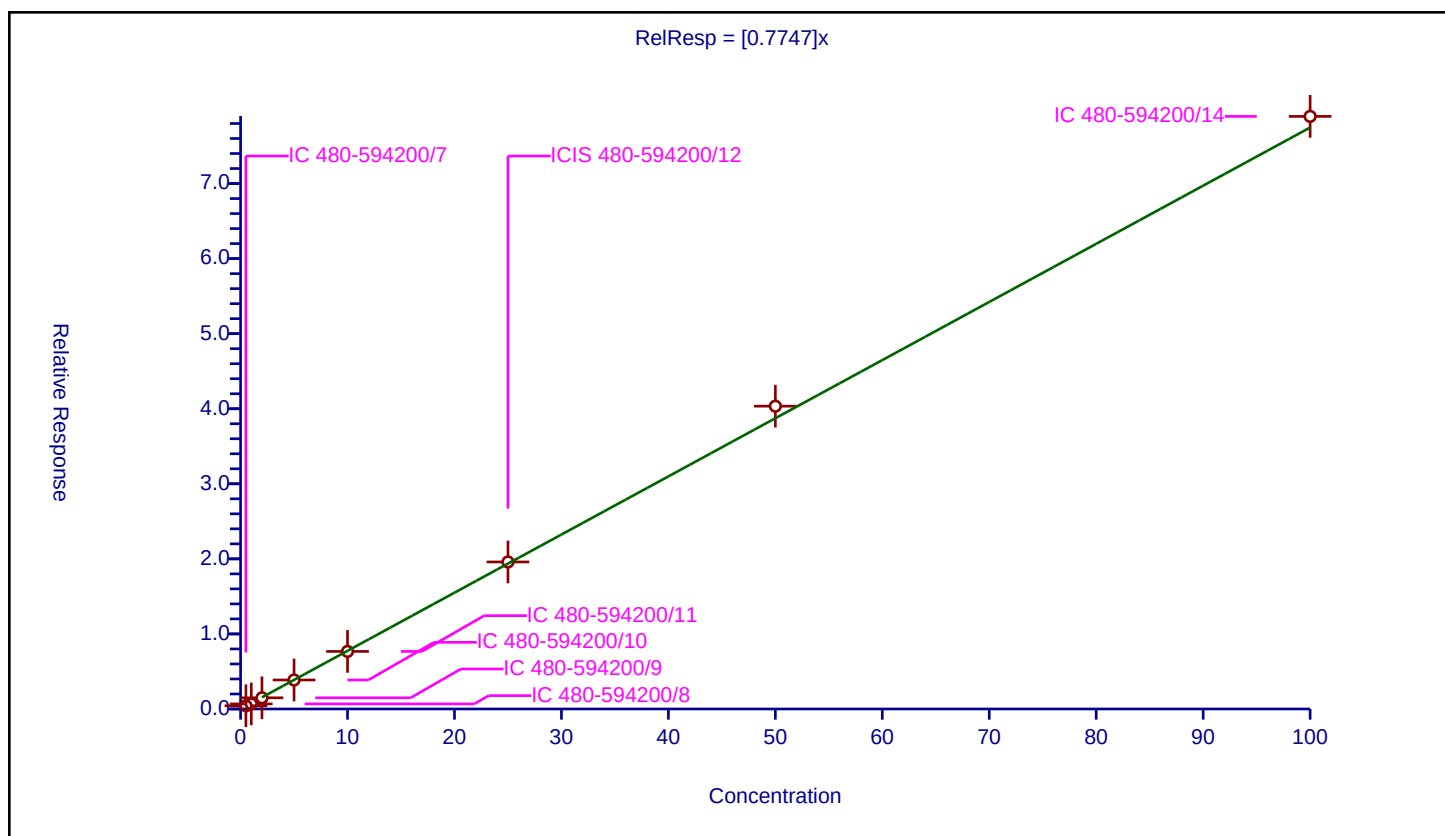
Curve Coefficients

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

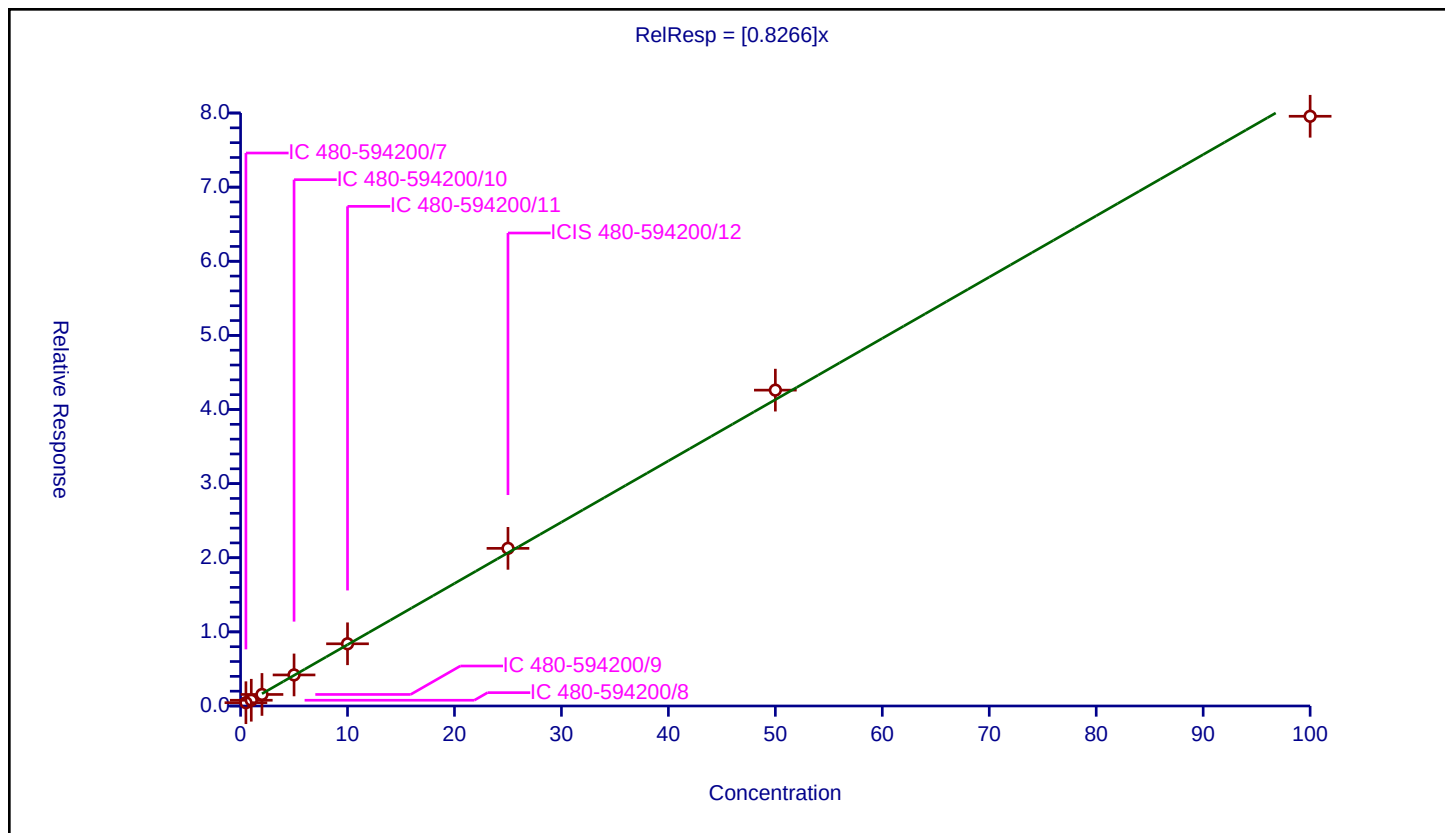
Curve Coefficients

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

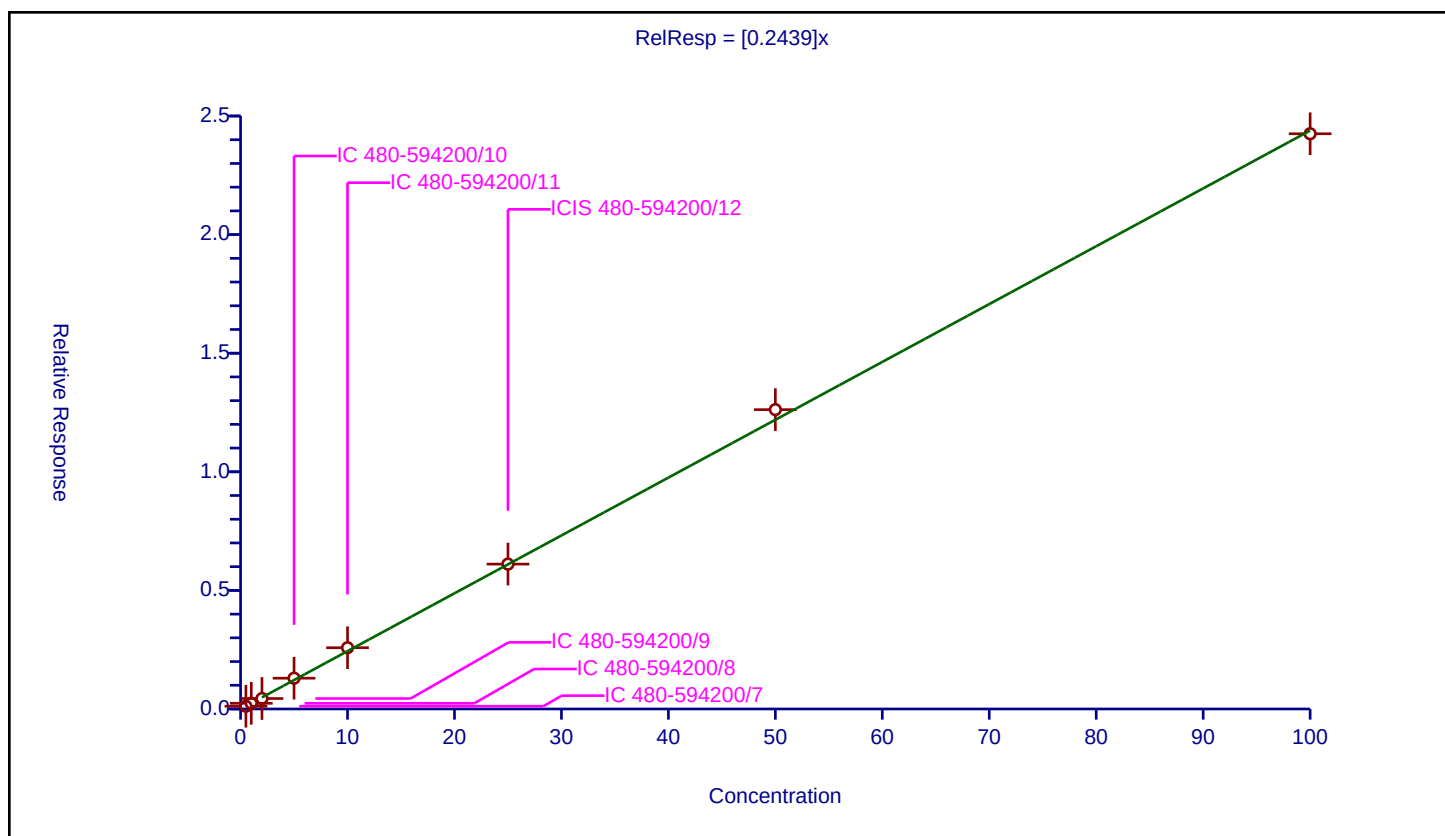
Curve Coefficients

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

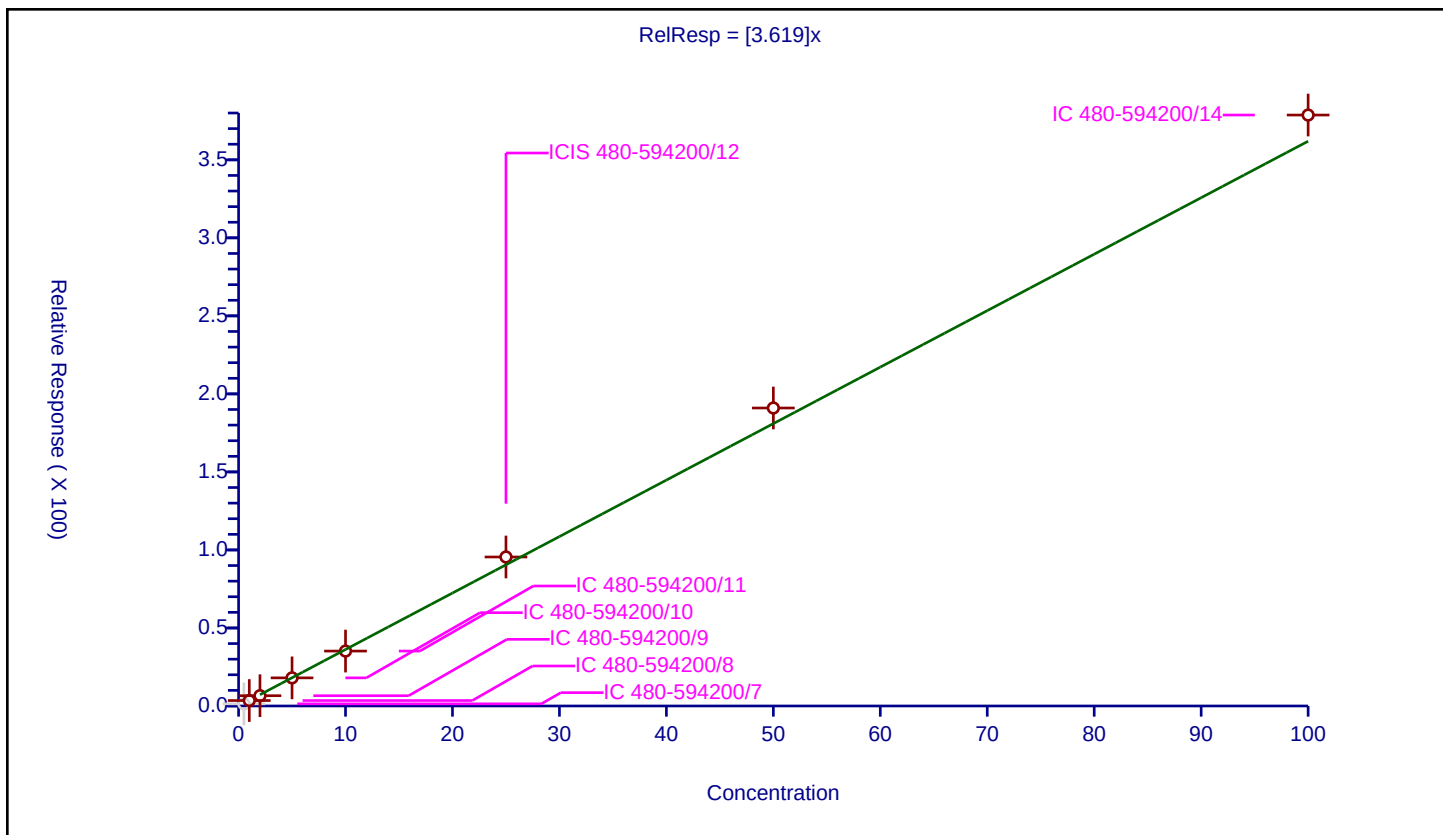
Curve Coefficients

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

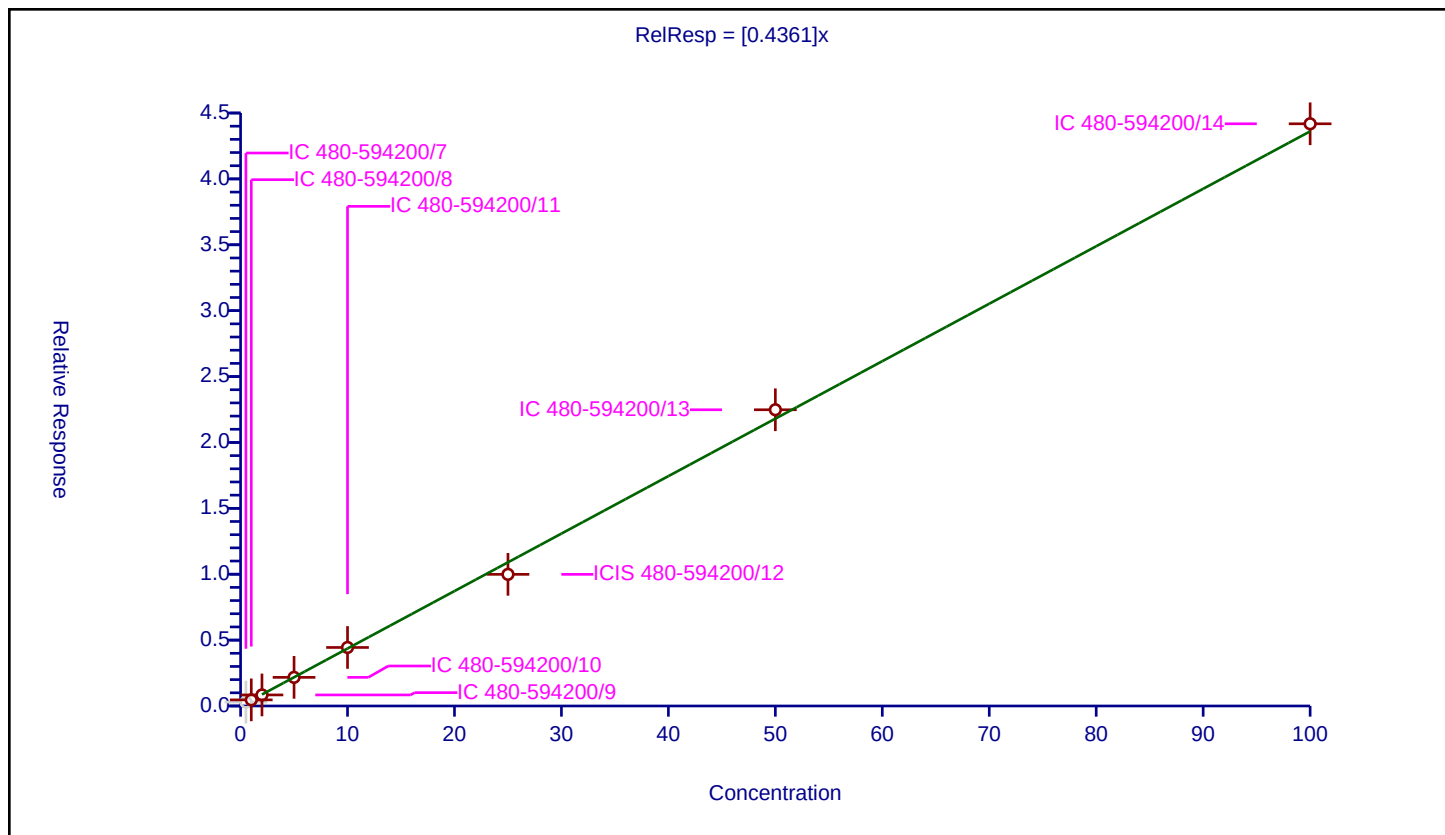
Curve Coefficients

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

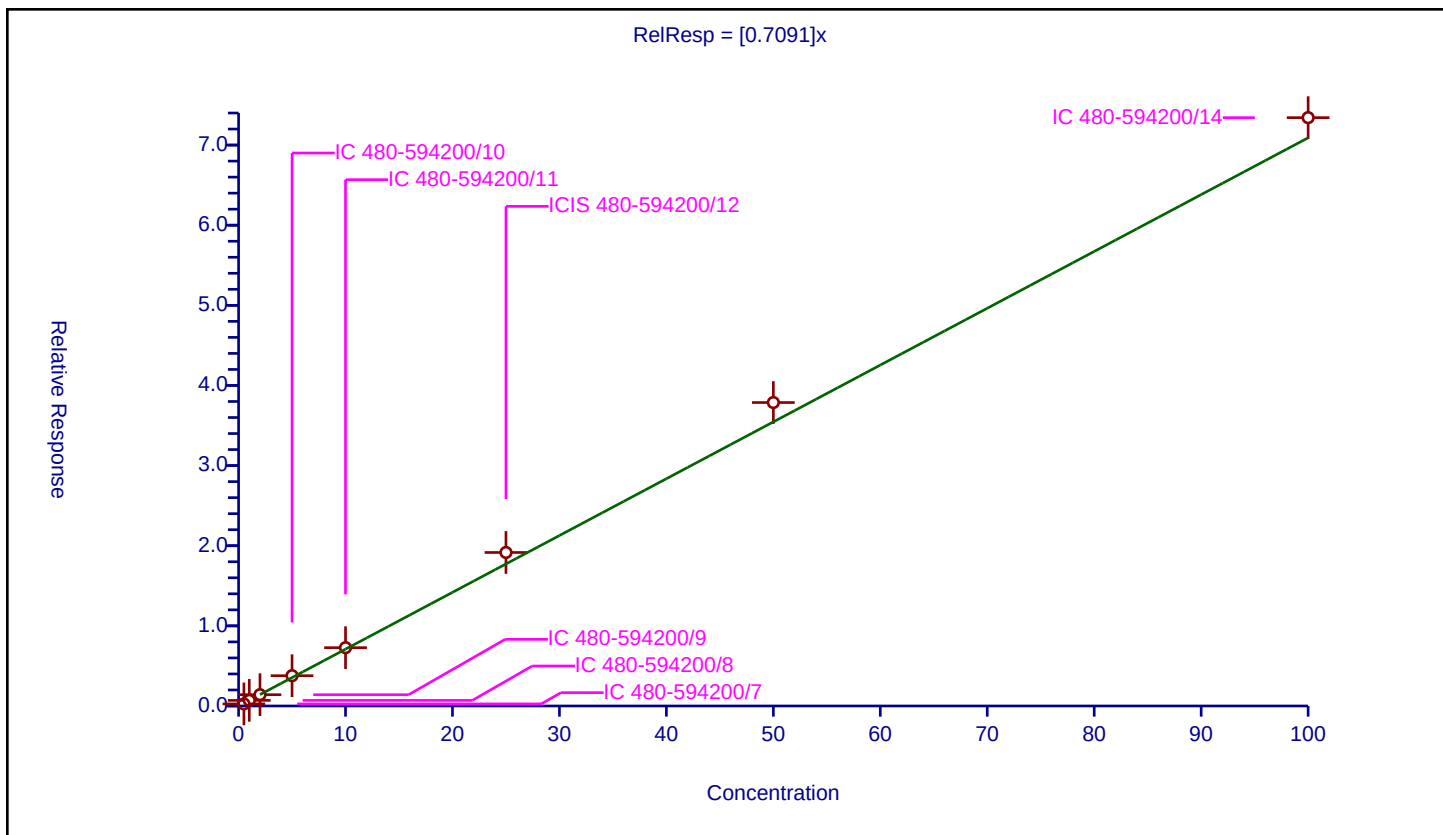
Curve Coefficients

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

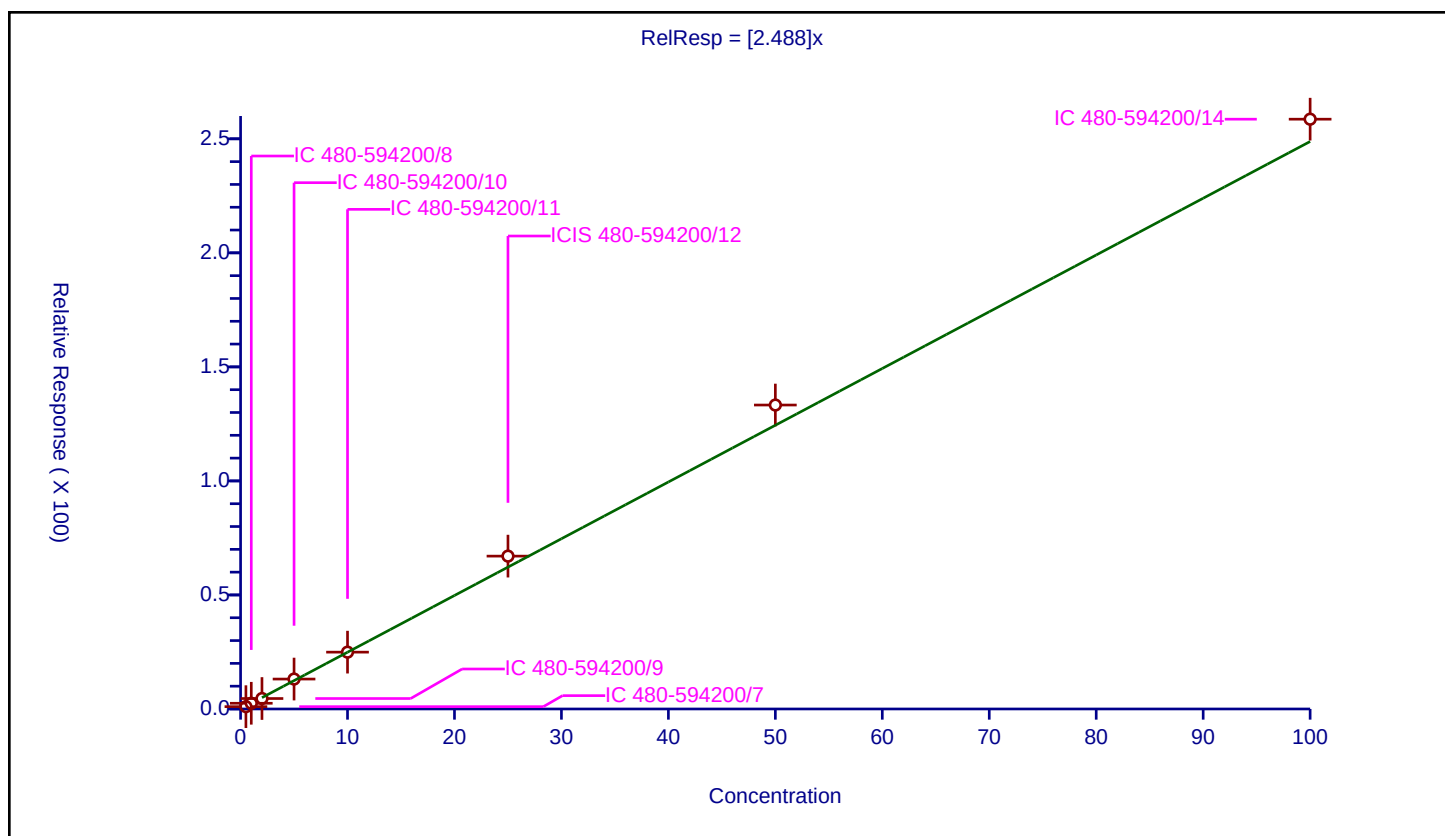
Curve Coefficients

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

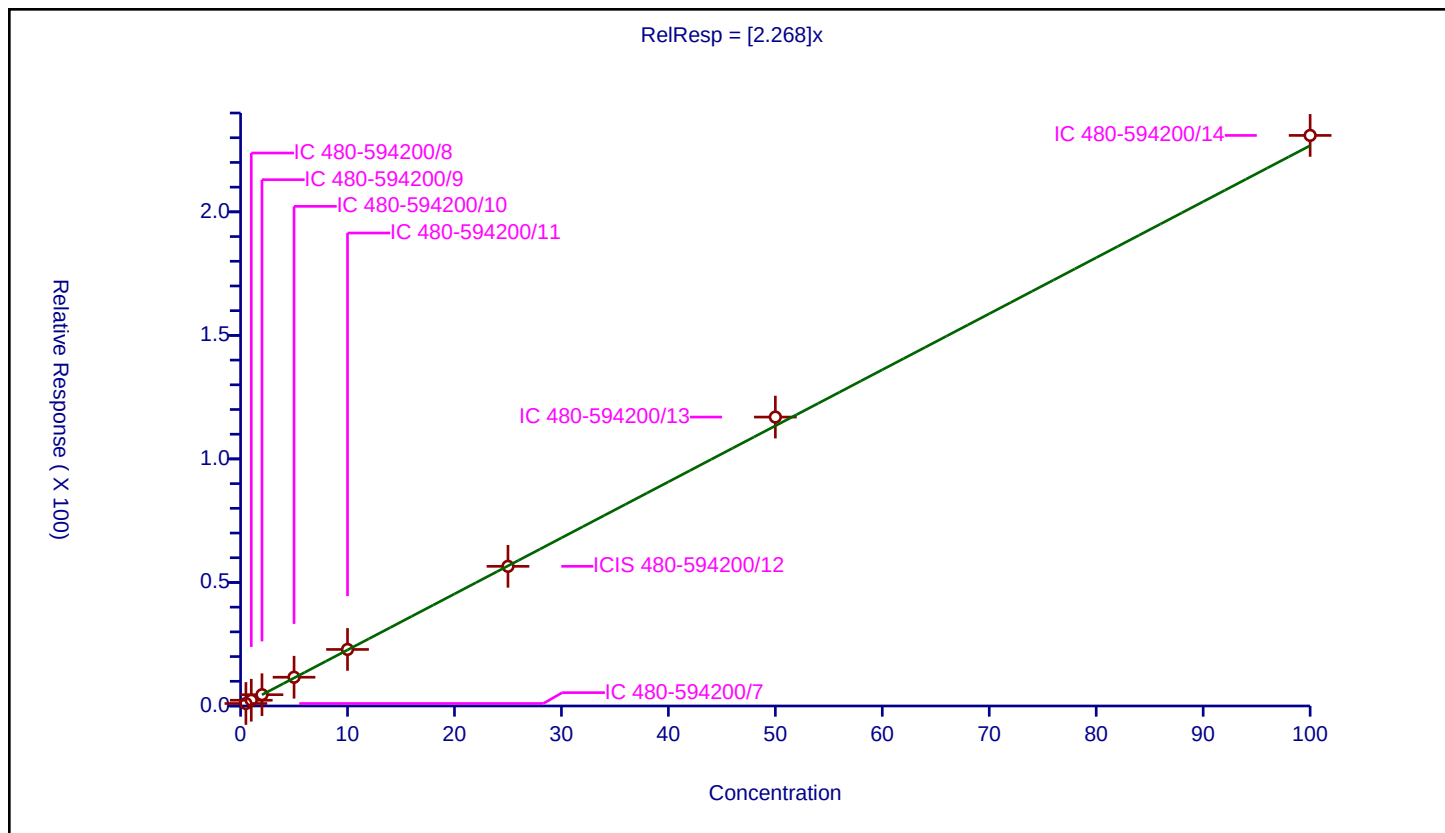
Curve Coefficients

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

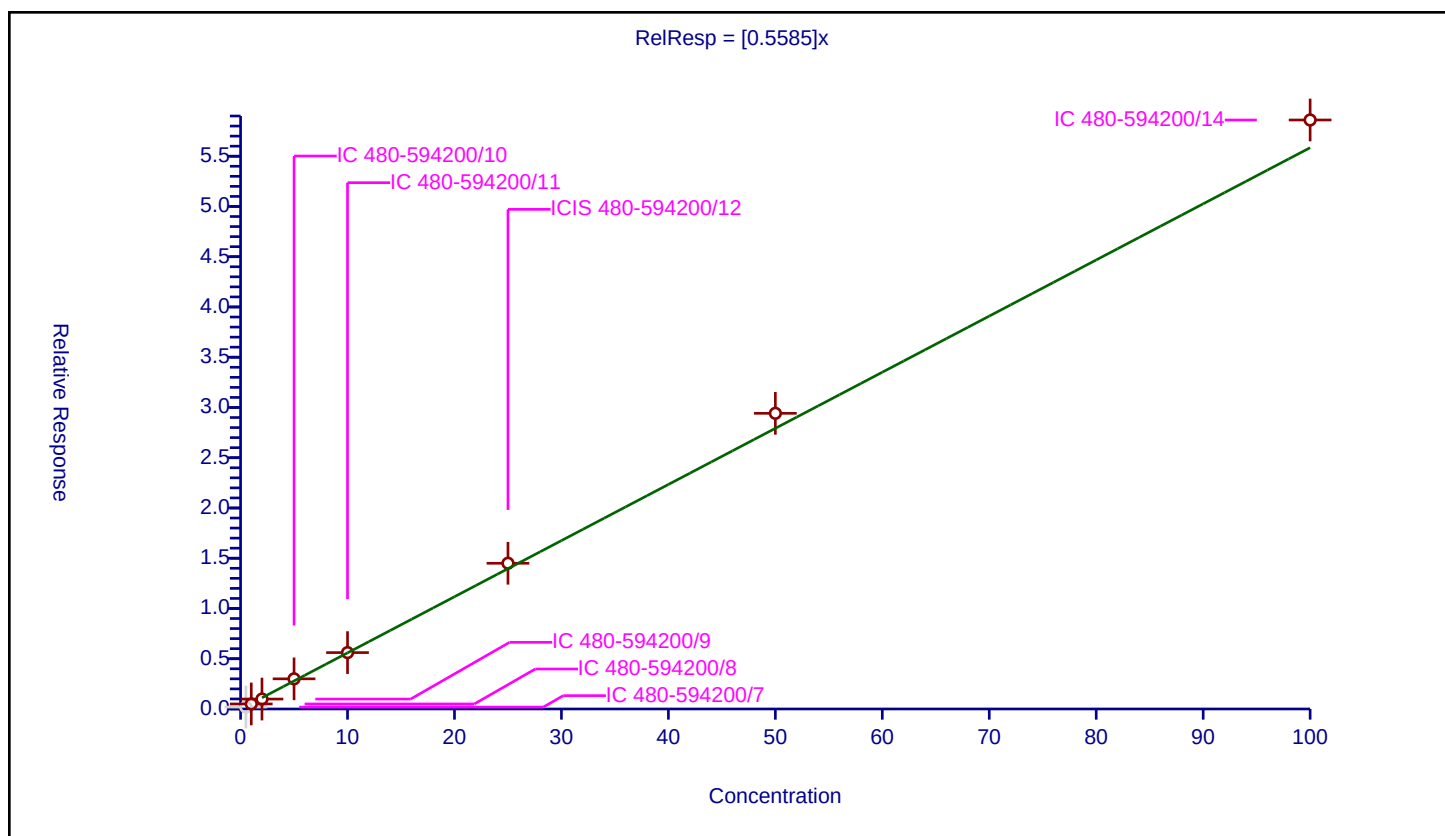
Curve Coefficients

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

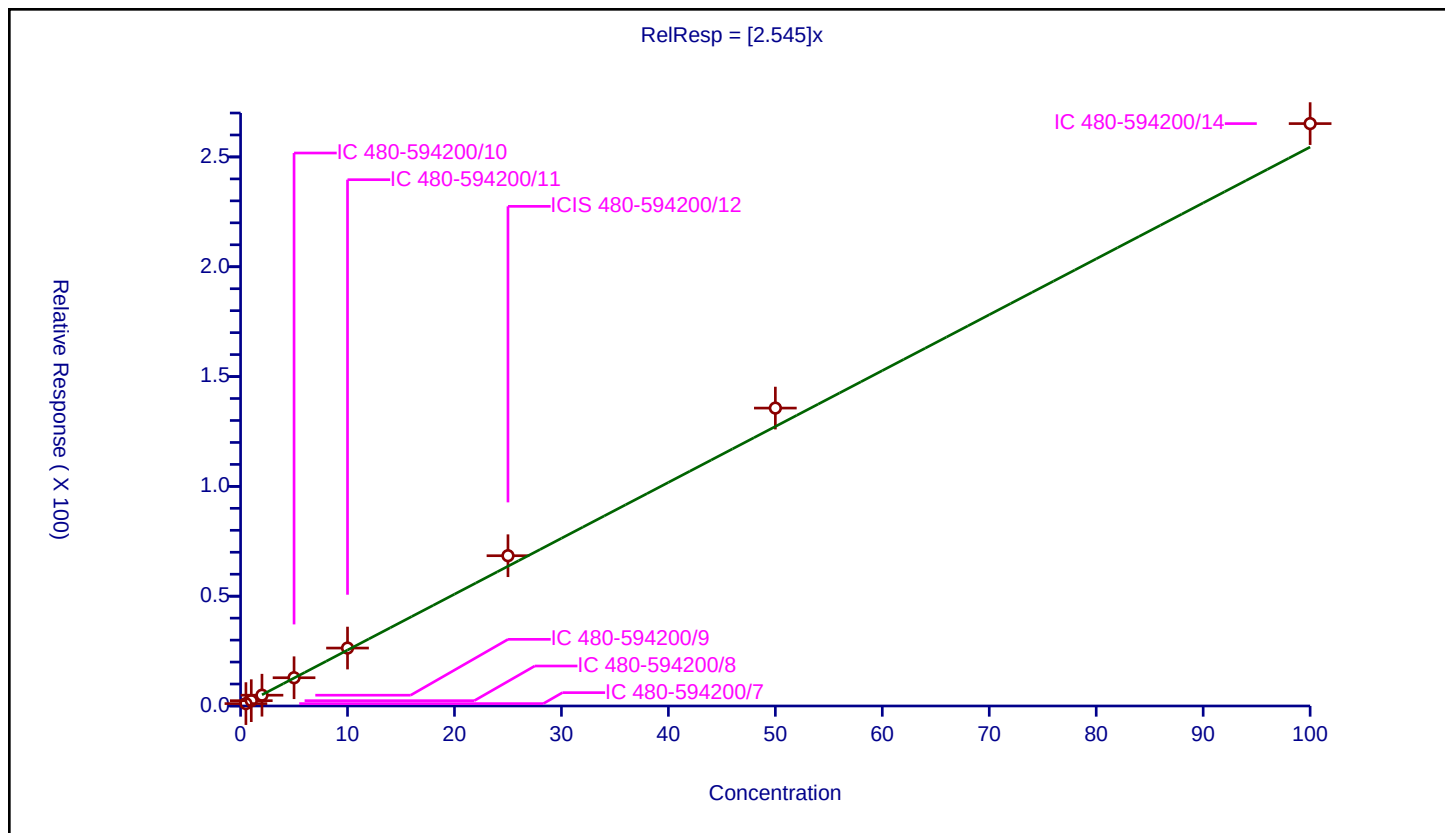
Curve Coefficients

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

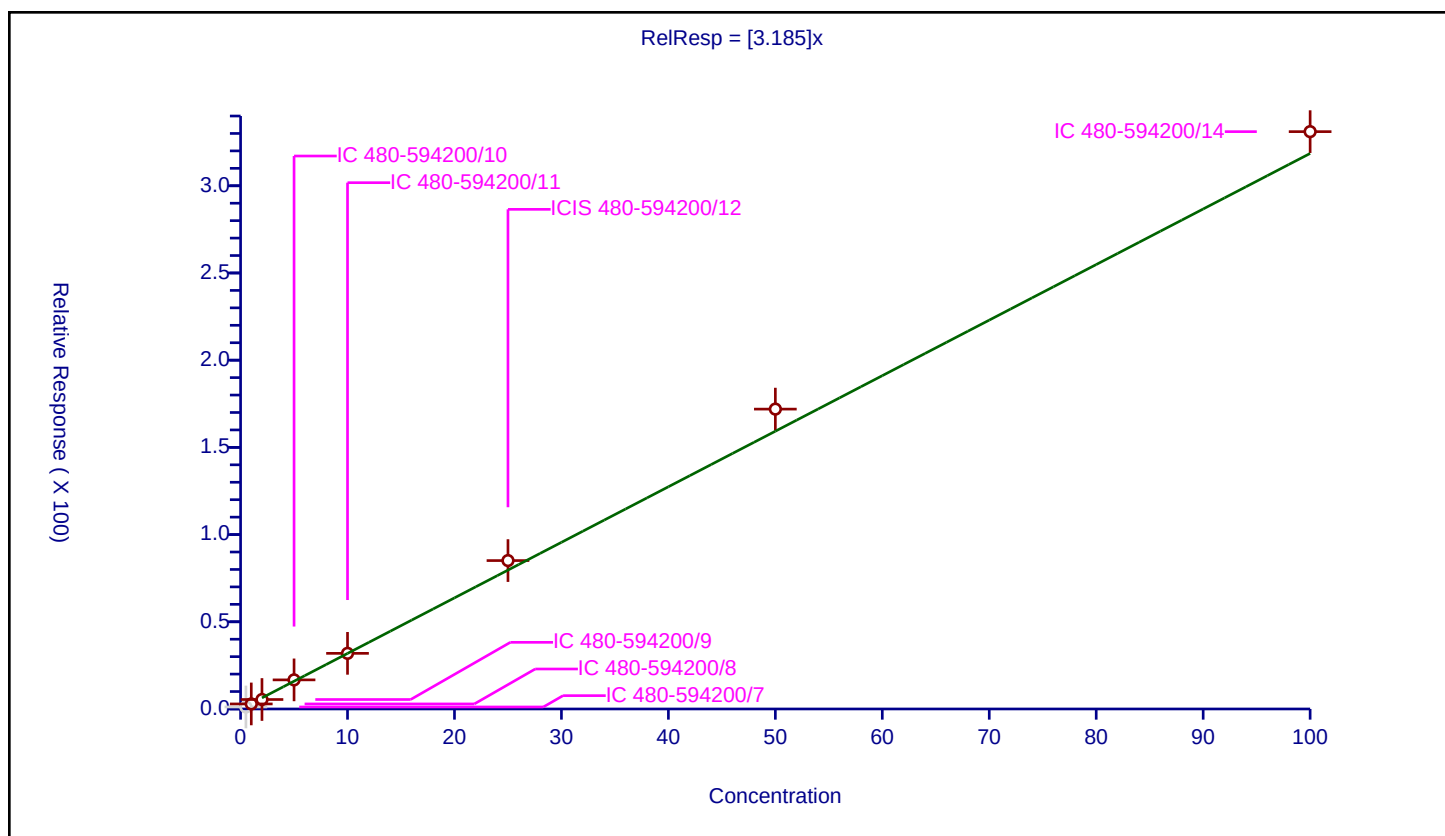
Curve Coefficients

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

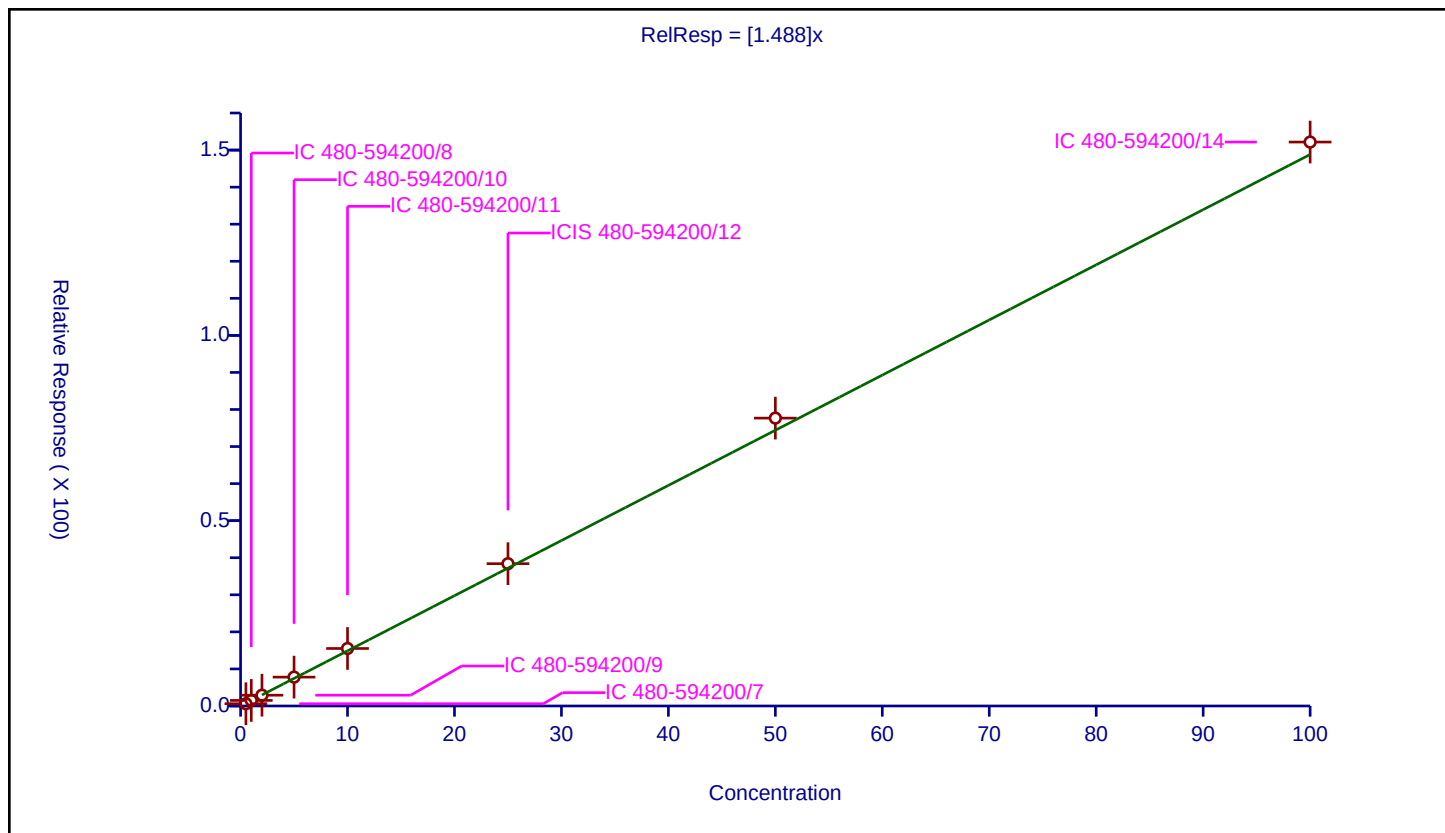
Curve Coefficients

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

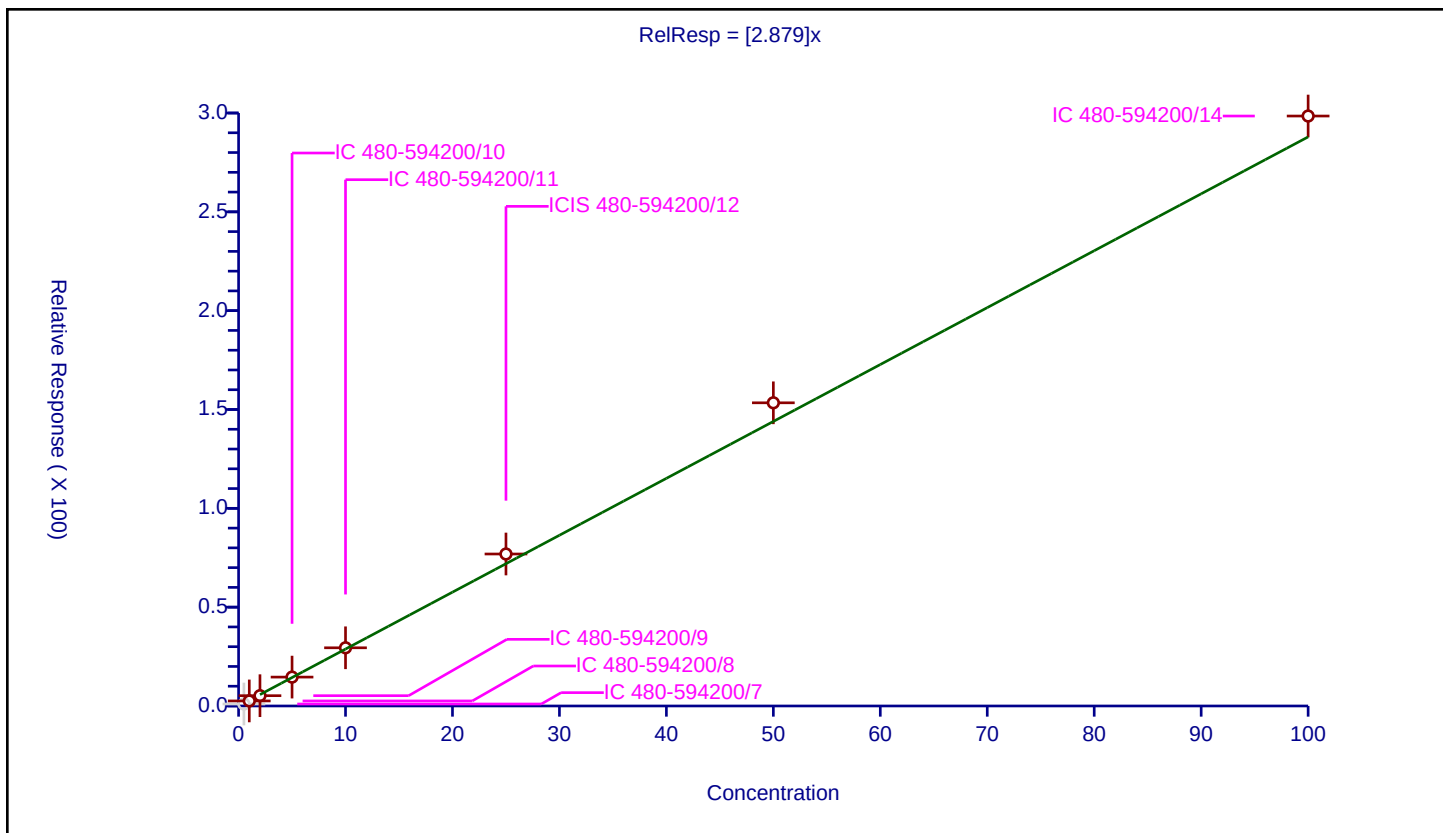
Curve Coefficients

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

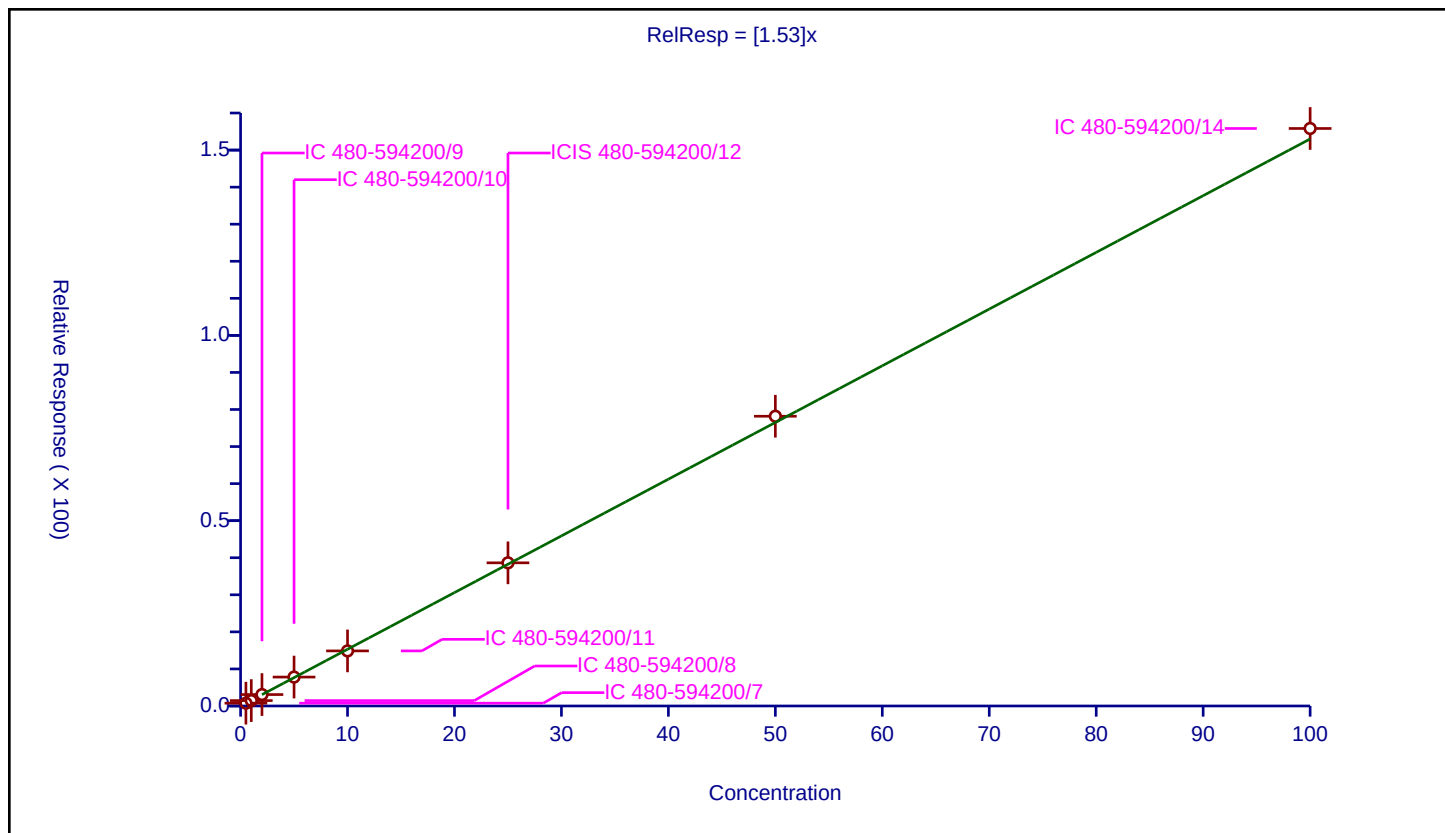
Curve Coefficients

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

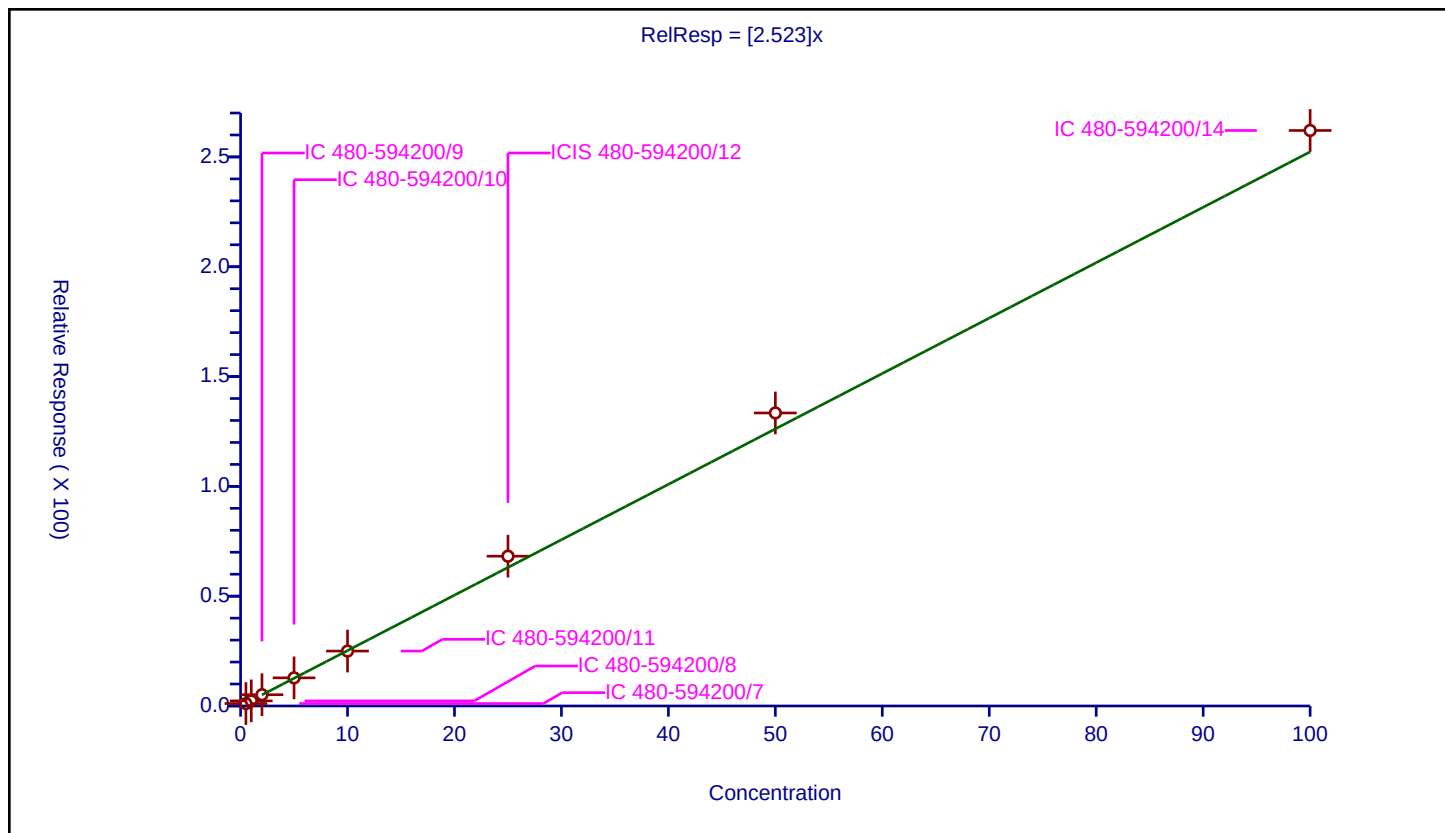
Curve Coefficients

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

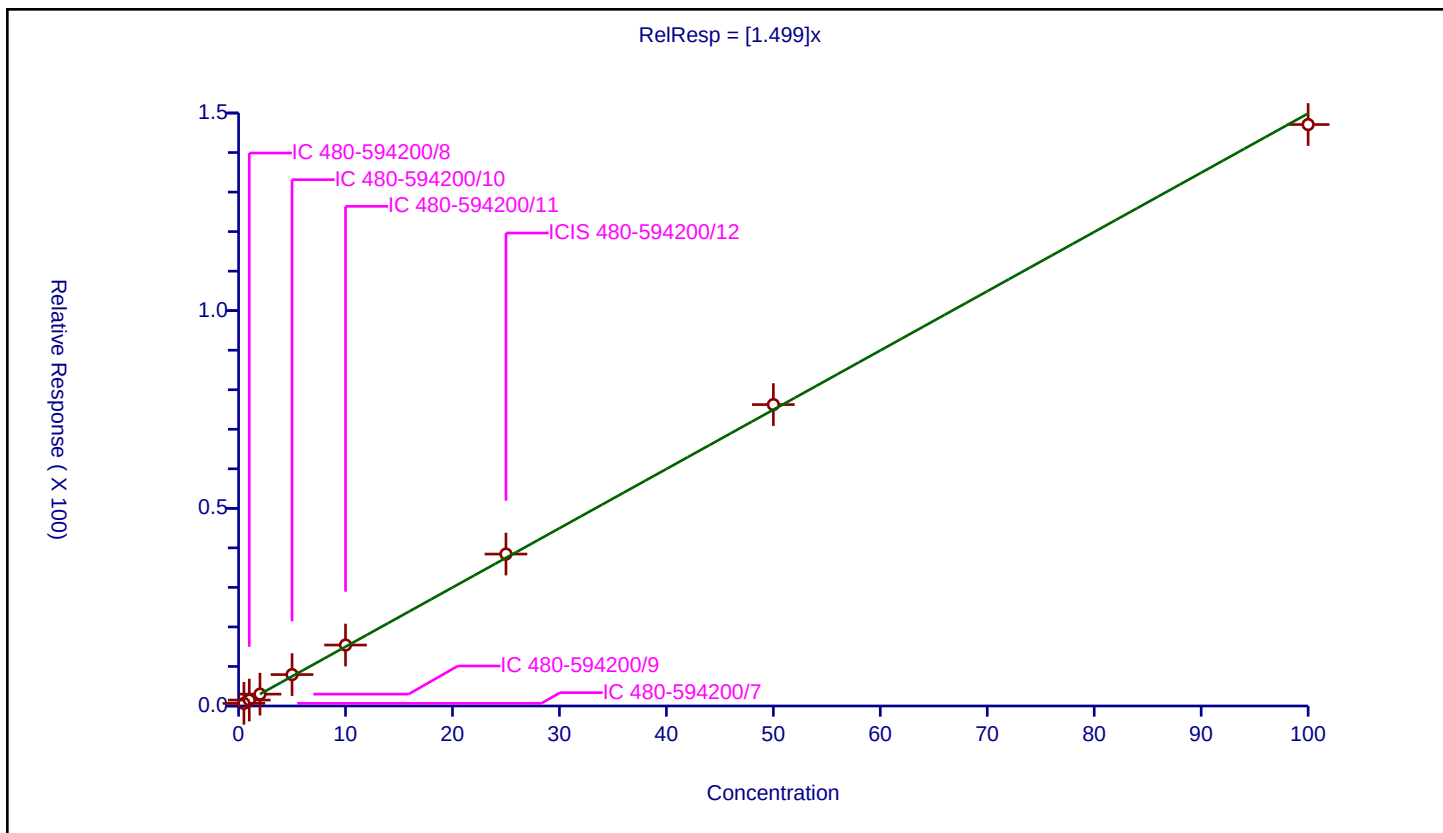
Curve Coefficients

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

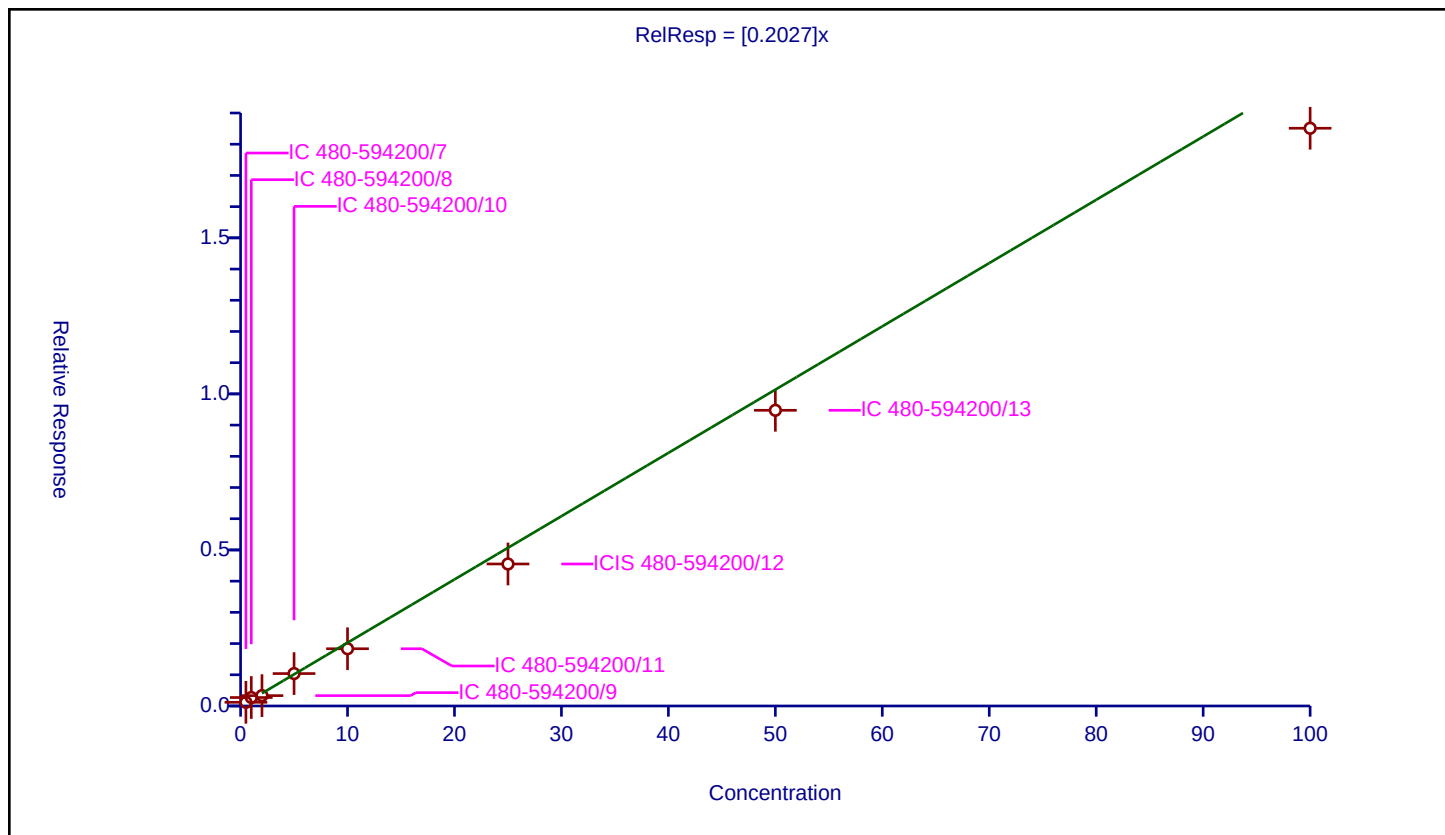
Curve Coefficients

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

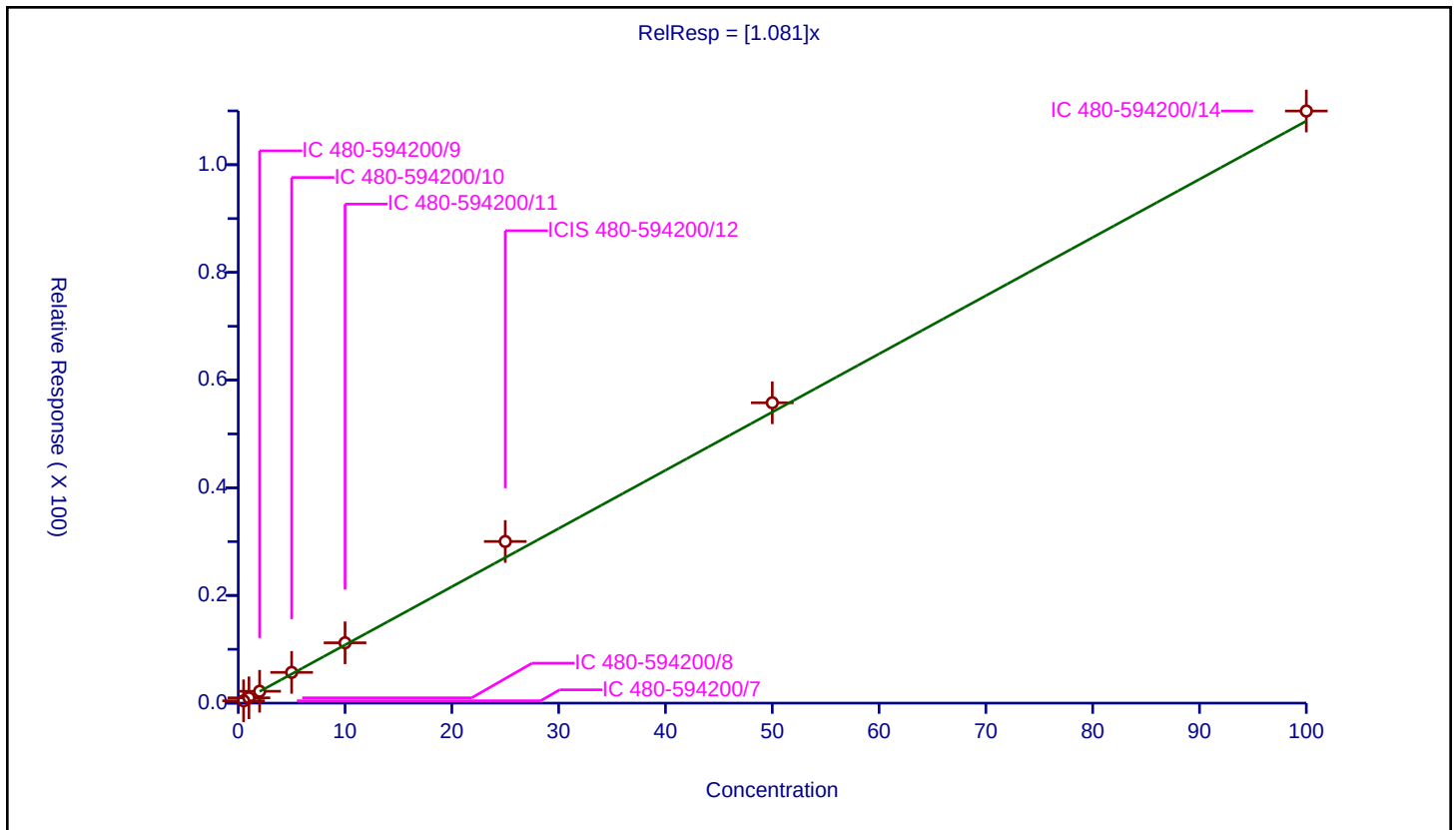
Curve Coefficients

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

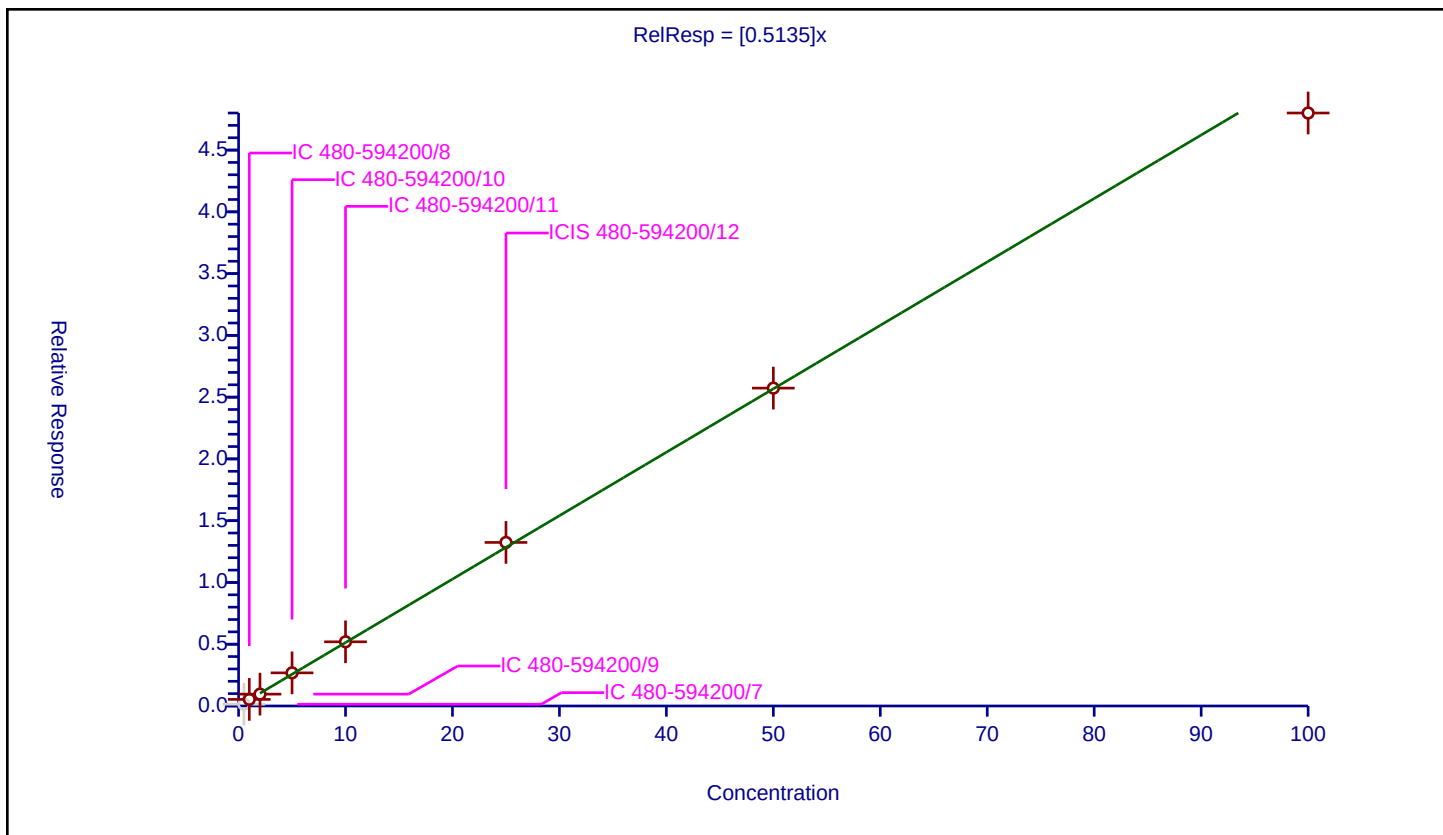
Curve Coefficients

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

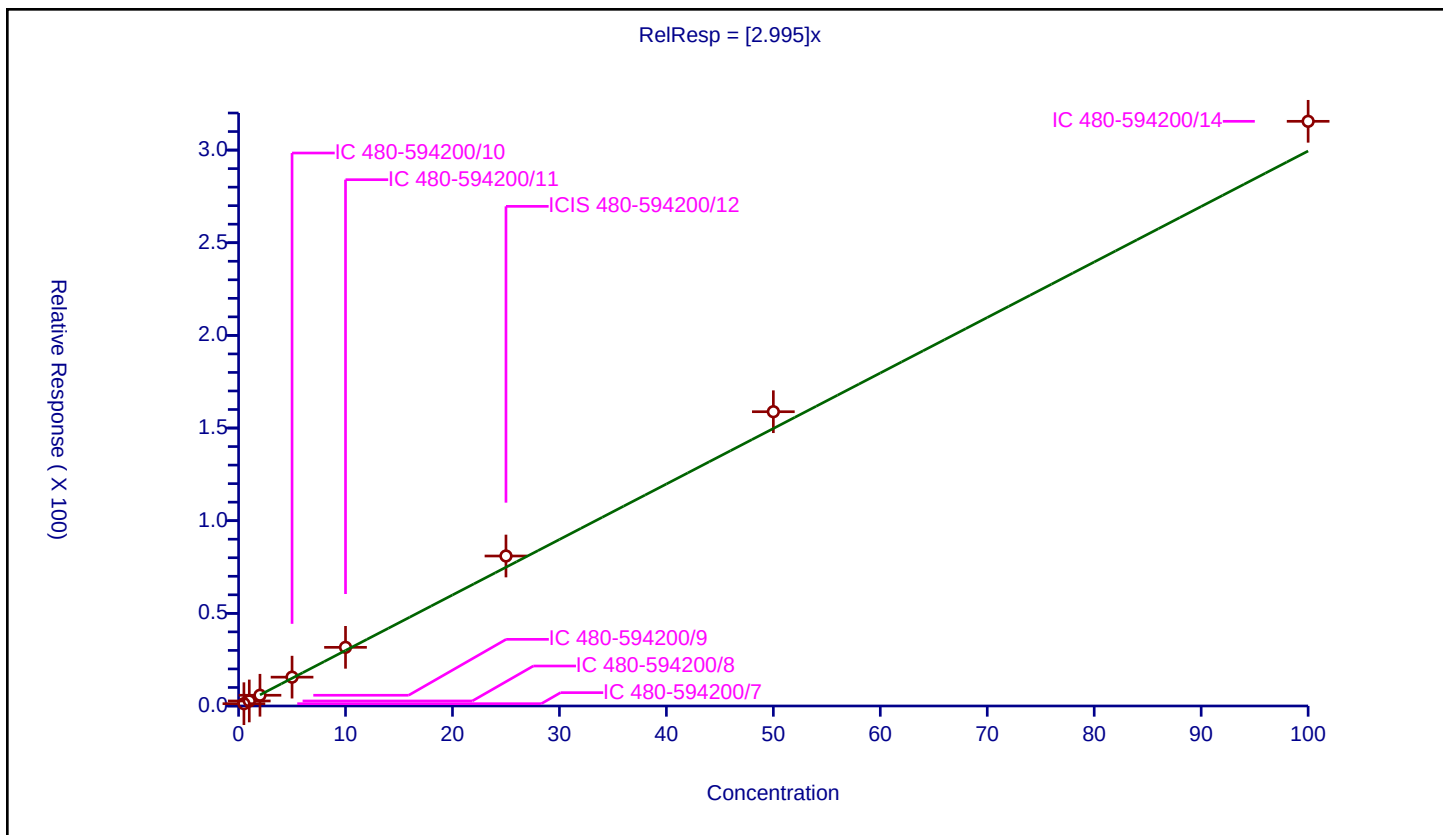
Curve Coefficients

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

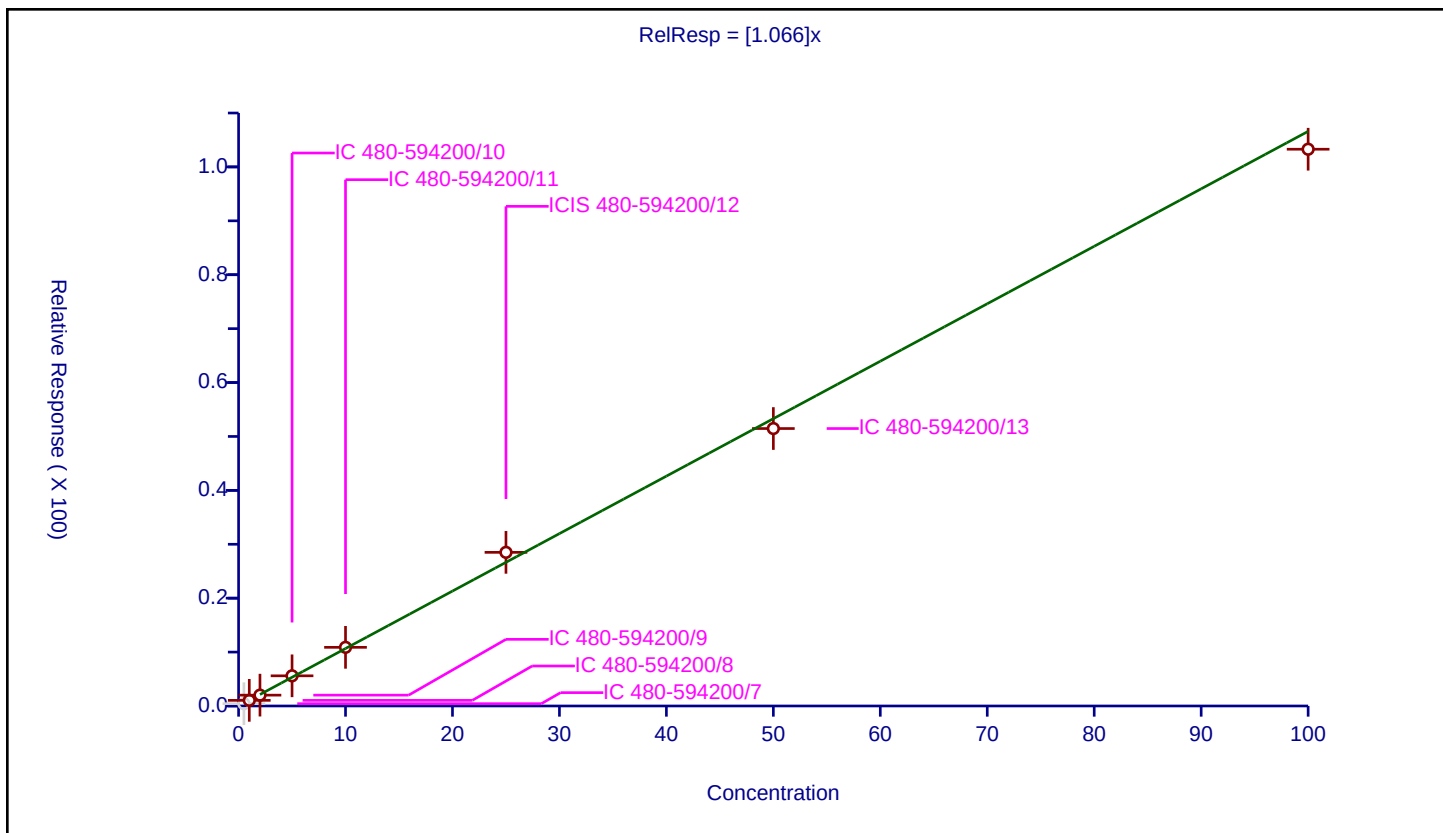
Curve Coefficients

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.: 480-188804-1
 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.: 480-188804-1

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.: 480-188804-1
 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

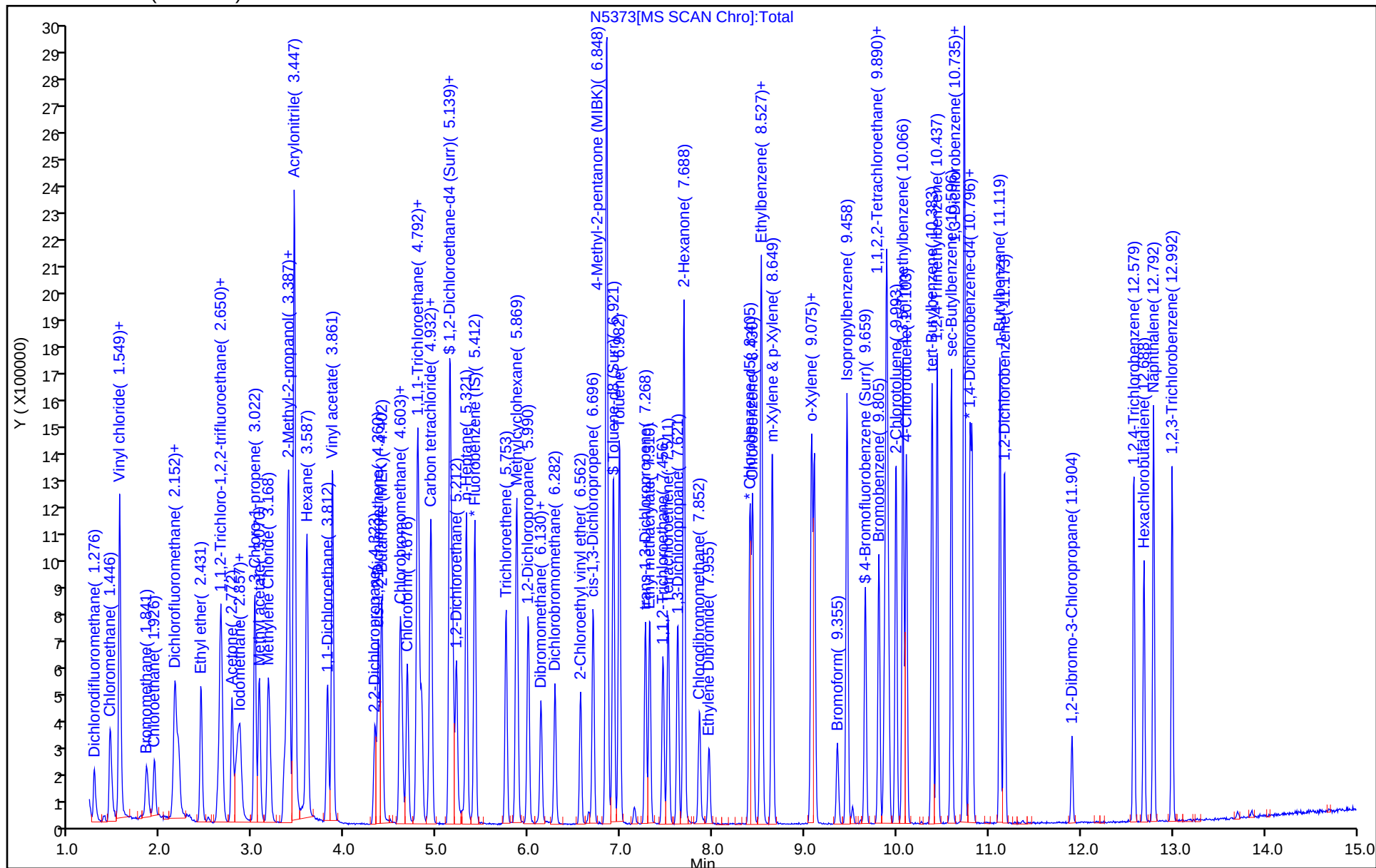
Dil. Factor: 1.0000

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)

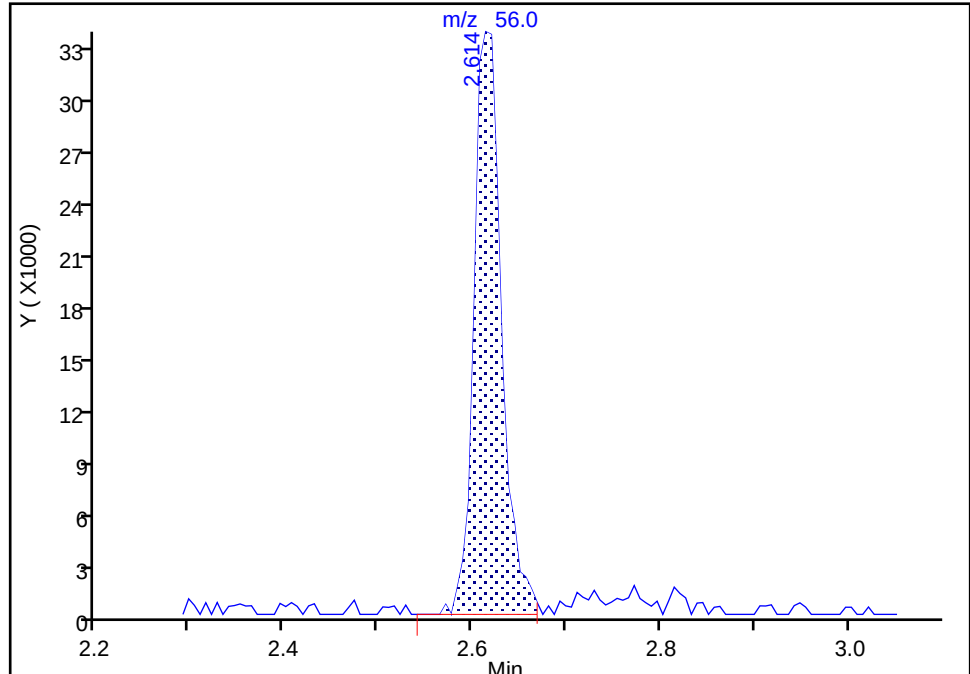
Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

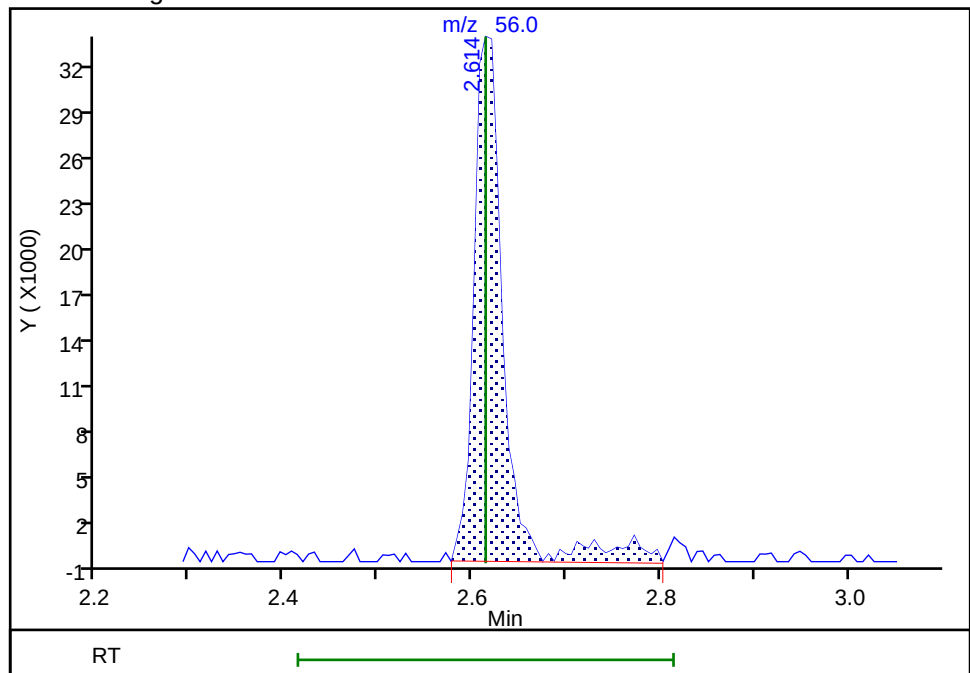
RT: 2.61
Area: 68007
Amount: 107.4078
Amount Units: ug/L

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)

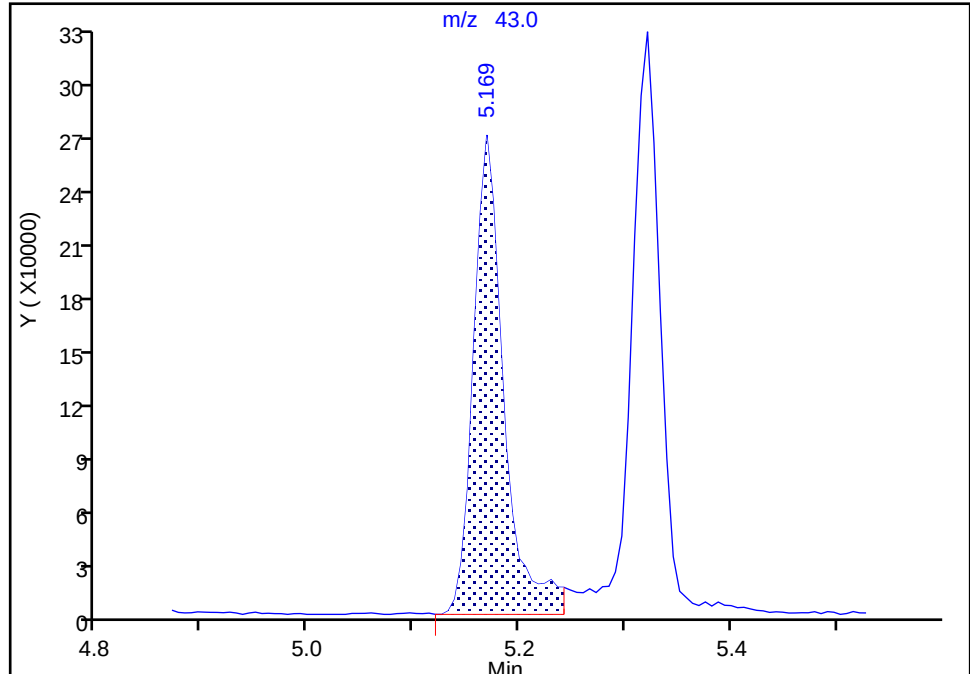
Detector: MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

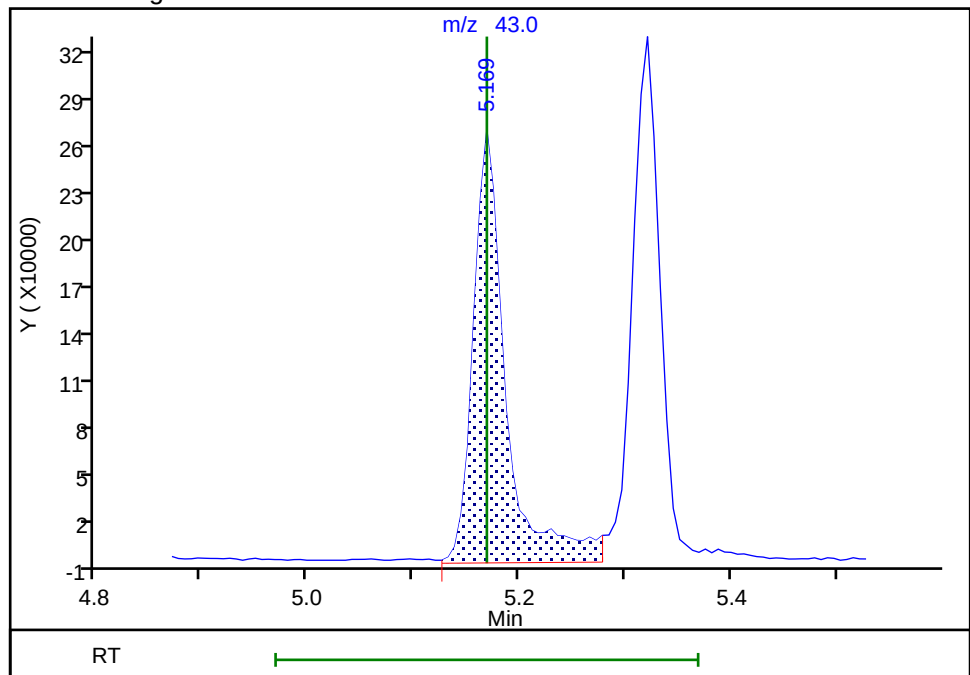
RT: 5.17
Area: 532698
Amount: 521.2910
Amount Units: ug/L

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)

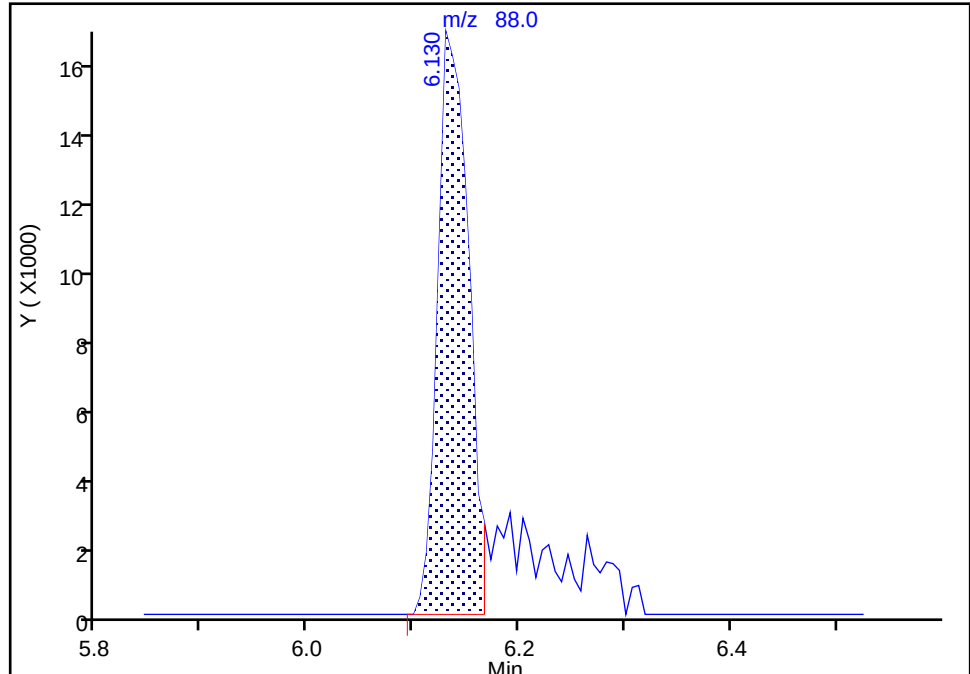
Detector: MS SCAN

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

Signal: 1

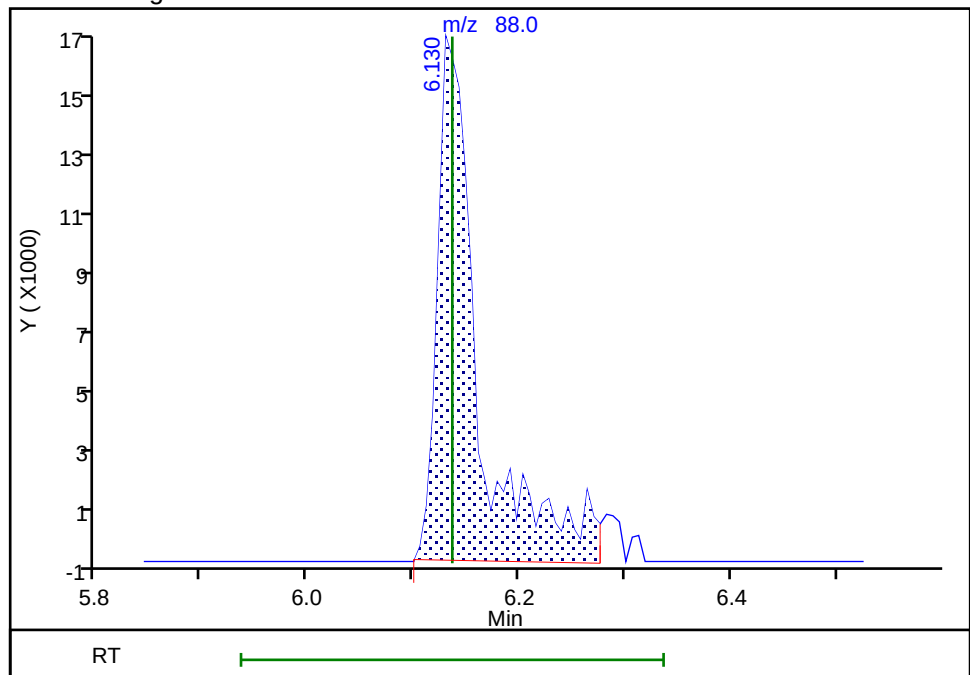
RT: 6.13
Area: 33005
Amount: 318.5928
Amount Units: ug/L

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.: 480-188804-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-594406/4 Calibration Date: 08/27/2021 21:45
 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: N5405.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	1.146	0.1000	23.5	25.0	-5.9	50.0
Chloromethane	Ave	2.925	2.892	0.1000	24.7	25.0	-1.1	20.0
Vinyl chloride	Ave	1.877	1.935	0.1000	25.8	25.0	3.1	20.0
Butadiene	Ave	2.404	2.456		25.5	25.0	2.2	20.0
Bromomethane	Ave	1.017	0.9292	0.1000	22.8	25.0	-8.6	50.0
Chloroethane	Ave	1.242	1.115	0.1000	22.4	25.0	-10.2	50.0
Dichlorofluoromethane	Ave	2.383	2.319		24.3	25.0	-2.7	20.0
Trichlorofluoromethane	Ave	1.842	1.944	0.1000	26.4	25.0	5.6	20.0
Ethyl ether	Ave	1.736	1.774		25.5	25.0	2.2	20.0
Acrolein	Ave	0.0985	0.0864		110	125	-12.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.104	1.185	0.1000	26.8	25.0	7.3	20.0
1,1-Dichloroethene	Ave	1.176	1.199	0.1000	25.5	25.0	2.0	20.0
Acetone	Ave	0.8145	0.8092	0.1000	124	125	-0.6	50.0
Iodomethane	Ave	2.040	2.043		25.0	25.0	0.1	20.0
Carbon disulfide	Ave	3.647	3.754	0.1000	25.7	25.0	2.9	20.0
Allyl chloride	Ave	4.159	4.046		24.3	25.0	-2.7	20.0
Methyl acetate	Ave	2.424	2.365	0.1000	48.8	50.0	-2.4	50.0
Methylene Chloride	Lin1		1.299	0.1000	24.6	25.0	-1.5	20.0
2-Methyl-2-propanol	Ave	0.2376	0.2270		239	250	-4.5	50.0
Methyl tert-butyl ether	Ave	4.393	4.264	0.1000	24.3	25.0	-2.9	20.0
trans-1,2-Dichloroethene	Ave	1.324	1.398	0.1000	26.4	25.0	5.6	20.0
Acrylonitrile	Ave	1.164	1.143		245	250	-1.8	20.0
Hexane	Ave	2.811	2.921		26.0	25.0	3.9	20.0
1,1-Dichloroethane	Ave	2.911	2.982	0.2000	25.6	25.0	2.4	20.0
Vinyl acetate	Ave	6.068	5.672		46.7	50.0	-6.5	20.0
2,2-Dichloropropane	Ave	1.203	1.084		22.5	25.0	-9.9	20.0
cis-1,2-Dichloroethene	Ave	1.493	1.459	0.1000	24.4	25.0	-2.3	20.0
2-Butanone (MEK)	Ave	1.479	1.438	0.1000	122	125	-2.8	20.0
Chlorobromomethane	Ave	0.7973	0.7680		24.1	25.0	-3.7	20.0
Tetrahydrofuran	Ave	1.064	0.9878		46.4	50.0	-7.2	20.0
Chloroform	Ave	2.383	2.336	0.2000	24.5	25.0	-1.9	20.0
1,1,1-Trichloroethane	Ave	1.911	2.003	0.1000	26.2	25.0	4.8	20.0
Cyclohexane	Ave	3.465	3.855	0.1000	27.8	25.0	11.3	20.0
Carbon tetrachloride	Ave	1.768	1.864	0.1000	26.4	25.0	5.5	20.0
1,1-Dichloropropene	Ave	1.761	1.852		26.3	25.0	5.2	20.0
Benzene	Ave	5.326	5.435	0.5000	25.5	25.0	2.0	20.0
Isobutyl alcohol	Ave	0.1589	0.1385		545	625	-12.9	50.0
1,2-Dichloroethane	Ave	2.428	2.311	0.1000	23.8	25.0	-4.8	20.0
n-Heptane	Ave	3.701	3.584		24.2	25.0	-3.2	20.0
Trichloroethene	Ave	1.297	1.370	0.2000	26.4	25.0	5.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1

SDG No.: _____

Lab Sample ID: CCVIS 480-594406/4 Calibration Date: 08/27/2021 21:45

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: N5405.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	2.324	0.1000	26.0	25.0	4.1	20.0
1,2-Dichloropropane	Ave	1.635	1.644	0.1000	25.1	25.0	0.6	20.0
Dibromomethane	Ave	0.8975	0.9014	0.1000	25.1	25.0	0.4	20.0
1,4-Dioxane	Ave	0.0044	0.0033		371	500	-25.9	50.0
Bromodichloromethane	Ave	1.705	1.726	0.2000	25.3	25.0	1.2	20.0
2-Chloroethyl vinyl ether	Ave	1.030	1.089		26.4	25.0	5.7	20.0
cis-1,3-Dichloropropene	Ave	2.100	2.157	0.2000	25.7	25.0	2.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2564	0.2544	0.1000	124	125	-0.8	20.0
Toluene	Ave	0.9083	0.9152	0.4000	25.2	25.0	0.8	20.0
trans-1,3-Dichloropropene	Ave	0.5368	0.5377	0.1000	25.0	25.0	0.2	20.0
Ethyl methacrylate	Ave	0.4555	0.4596		25.2	25.0	0.9	20.0
1,1,2-Trichloroethane	Ave	0.2622	0.2511	0.1000	23.9	25.0	-4.2	20.0
Tetrachloroethene	Ave	0.3683	0.3841	0.2000	26.1	25.0	4.3	20.0
1,3-Dichloropropane	Ave	0.5175	0.5370		25.9	25.0	3.8	20.0
2-Hexanone	Ave	0.5054	0.4997	0.1000	124	125	-1.1	20.0
Dibromochloromethane	Ave	0.3435	0.3667	0.1000	26.7	25.0	6.8	20.0
1,2-Dibromoethane	Ave	0.3234	0.3300		25.5	25.0	2.0	20.0
Chlorobenzene	Ave	0.9853	1.019	0.5000	25.9	25.0	3.4	20.0
Ethylbenzene	Ave	1.657	1.699	0.1000	25.6	25.0	2.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3723	0.3791		25.5	25.0	1.8	20.0
m,p-Xylene	Ave	0.6326	0.6640	0.1000	26.2	25.0	5.0	20.0
o-Xylene	Ave	0.6092	0.6657	0.3000	27.3	25.0	9.3	20.0
Styrene	Ave	1.044	1.071	0.3000	25.7	25.0	2.6	20.0
Bromoform	Ave	0.2435	0.2661	0.1000	27.3	25.0	9.3	50.0
Isopropylbenzene	Ave	3.080	3.265	0.1000	26.5	25.0	6.0	20.0
Bromobenzene	Ave	0.7747	0.7937		25.6	25.0	2.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8266	0.8524	0.3000	25.8	25.0	3.1	20.0
N-Propylbenzene	Ave	3.619	3.825		26.4	25.0	5.7	20.0
1,2,3-Trichloropropane	Ave	0.2439	0.2639		27.1	25.0	8.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4361	0.4180		24.0	25.0	-4.2	50.0
2-Chlorotoluene	Ave	0.7091	0.7550		26.6	25.0	6.5	20.0
1,3,5-Trimethylbenzene	Ave	2.488	2.619		26.3	25.0	5.3	20.0
4-Chlorotoluene	Ave	2.268	2.311		25.5	25.0	1.9	20.0
tert-Butylbenzene	Ave	0.5585	0.6164		27.6	25.0	10.4	20.0
1,2,4-Trimethylbenzene	Ave	2.545	2.709		26.6	25.0	6.5	20.0
sec-Butylbenzene	Ave	3.185	3.438		27.0	25.0	7.9	20.0
1,3-Dichlorobenzene	Ave	1.488	1.526	0.6000	25.6	25.0	2.6	20.0
4-Isopropyltoluene	Ave	2.879	3.073		26.7	25.0	6.7	20.0
1,4-Dichlorobenzene	Ave	1.530	1.538	0.5000	25.1	25.0	0.5	20.0
n-Butylbenzene	Ave	2.523	2.629		26.0	25.0	4.2	20.0
1,2-Dichlorobenzene	Ave	1.499	1.526	0.4000	25.4	25.0	1.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-594406/4 Calibration Date: 08/27/2021 21:45
 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: N5405.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	0.1848	0.0500	22.8	25.0	-8.8	50.0
1,2,4-Trichlorobenzene	Ave	1.081	1.070	0.2000	24.7	25.0	-1.0	20.0
Hexachlorobutadiene	Ave	0.5135	0.5017		24.4	25.0	-2.3	20.0
Naphthalene	Ave	2.995	3.024		25.2	25.0	1.0	20.0
1,2,3-Trichlorobenzene	Ave	1.066	1.035		24.3	25.0	-2.9	20.0
Dibromofluoromethane (Surr)	Ave	1.287	1.279		24.9	25.0	-0.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.649	1.562		23.7	25.0	-5.2	20.0
Toluene-d8 (Surr)	Ave	1.238	1.245		25.1	25.0	0.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3825	0.3957		25.9	25.0	3.5	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5405.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 27-Aug-2021 21:45:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0100657-004
 Operator ID: wd Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Aug-2021 09:56:49 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: CTX1656

First Level Reviewer: dahnw

Date: 30-Aug-2021 09:56:49

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	156791	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.406	8.406	0.000	88	575704	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	95	308172	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	92	200608	25.0	24.9	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	60	244976	25.0	23.7	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	95	716534	25.0	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	89	227799	25.0	25.9	
11 Dichlorodifluoromethane	85	1.276	1.276	0.000	97	179759	25.0	23.5	
13 Chloromethane	50	1.452	1.452	0.000	99	453441	25.0	24.7	
14 Vinyl chloride	62	1.543	1.543	0.000	98	303466	25.0	25.8	
144 Butadiene	54	1.555	1.555	0.000	94	385082	25.0	25.5	
15 Bromomethane	94	1.847	1.847	0.000	91	145692	25.0	22.8	
16 Chloroethane	64	1.933	1.933	0.000	94	174773	25.0	22.4	
17 Dichlorofluoromethane	67	2.152	2.152	0.000	95	363552	25.0	24.3	
18 Trichlorofluoromethane	101	2.164	2.164	0.000	64	304876	25.0	26.4	
19 Ethyl ether	59	2.438	2.438	0.000	94	278176	25.0	25.5	
20 Acrolein	56	2.614	2.614	0.000	98	67715	125.0	109.6	
21 112TCTFE	101	2.644	2.644	0.000	92	185814	25.0	26.8	
22 1,1-Dichloroethene	96	2.669	2.669	0.000	91	188050	25.0	25.5	
23 Acetone	43	2.772	2.772	0.000	97	634390	125.0	124.2	
24 Iodomethane	142	2.833	2.833	0.000	100	320291	25.0	25.0	
25 Carbon disulfide	76	2.869	2.869	0.000	98	588587	25.0	25.7	
27 3-Chloro-1-propene	41	3.022	3.022	0.000	87	634367	25.0	24.3	
28 Methyl acetate	43	3.070	3.070	0.000	100	741619	50.0	48.8	
30 Methylene Chloride	84	3.192	3.192	0.000	87	203642	25.0	24.6	a
31 2-Methyl-2-propanol	59	3.344	3.344	0.000	98	355909	250.0	238.8	
32 Methyl tert-butyl ether	73	3.380	3.380	0.000	95	668501	25.0	24.3	
33 trans-1,2-Dichloroethene	96	3.393	3.393	0.000	91	219257	25.0	26.4	
34 Acrylonitrile	53	3.453	3.453	0.000	99	1791972	250.0	245.4	
35 Hexane	57	3.587	3.587	0.000	97	457980	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.806	3.806	0.000	96	467546	25.0	25.6	
39 Vinyl acetate	43	3.867	3.867	0.000	96	1778702	50.0	46.7	
42 2,2-Dichloropropane	77	4.330	4.330	0.000	86	170023	25.0	22.5	
43 cis-1,2-Dichloroethene	96	4.360	4.360	0.000	85	228776	25.0	24.4	
44 2-Butanone (MEK)	43	4.403	4.403	0.000	96	1127550	125.0	121.6	
47 Chlorobromomethane	128	4.597	4.597	0.000	85	120422	25.0	24.1	
49 Tetrahydrofuran	42	4.615	4.615	0.000	91	309753	50.0	46.4	
50 Chloroform	83	4.676	4.676	0.000	95	366331	25.0	24.5	
51 1,1,1-Trichloroethane	97	4.786	4.786	0.000	94	314015	25.0	26.2	
52 Cyclohexane	56	4.792	4.792	0.000	93	604456	25.0	27.8	
53 Carbon tetrachloride	117	4.926	4.926	0.000	94	292310	25.0	26.4	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	84	290299	25.0	26.3	
55 Benzene	78	5.139	5.139	0.000	92	852119	25.0	25.5	
56 Isobutyl alcohol	43	5.169	5.169	0.000	93	542805	625.0	544.6	
57 1,2-Dichloroethane	62	5.212	5.212	0.000	95	362303	25.0	23.8	
59 n-Heptane	43	5.321	5.321	0.000	95	561952	25.0	24.2	
60 Trichloroethene	95	5.753	5.753	0.000	93	214738	25.0	26.4	
62 Methylcyclohexane	83	5.869	5.869	0.000	94	364344	25.0	26.0	
63 1,2-Dichloropropane	63	5.990	5.990	0.000	88	257774	25.0	25.1	
64 Dibromomethane	93	6.130	6.130	0.000	95	141333	25.0	25.1	
66 1,4-Dioxane	88	6.136	6.136	0.000	38	37504	500.0	370.6	M
67 Dichlorobromomethane	83	6.282	6.282	0.000	95	270615	25.0	25.3	
69 2-Chloroethyl vinyl ether	63	6.562	6.562	0.000	85	170725	25.0	26.4	
71 cis-1,3-Dichloropropene	75	6.702	6.702	0.000	85	338242	25.0	25.7	
72 4-Methyl-2-pentanone (MIBK)	58	6.848	6.848	0.000	98	732320	125.0	124.0	
73 Toluene	92	6.982	6.982	0.000	97	526865	25.0	25.2	
75 trans-1,3-Dichloropropene	75	7.268	7.268	0.000	94	309556	25.0	25.0	
77 Ethyl methacrylate	69	7.310	7.310	0.000	88	264610	25.0	25.2	
78 1,1,2-Trichloroethane	83	7.456	7.456	0.000	94	144547	25.0	23.9	
79 Tetrachloroethene	166	7.511	7.511	0.000	95	221145	25.0	26.1	
80 1,3-Dichloropropane	76	7.621	7.621	0.000	90	309177	25.0	25.9	
82 2-Hexanone	43	7.688	7.688	0.000	98	1438291	125.0	123.6	
83 Chlorodibromomethane	129	7.852	7.852	0.000	89	211120	25.0	26.7	
84 Ethylene Dibromide	107	7.955	7.955	0.000	98	189997	25.0	25.5	
85 Chlorobenzene	112	8.430	8.430	0.000	93	586686	25.0	25.9	
88 Ethylbenzene	91	8.521	8.521	0.000	98	978300	25.0	25.6	
89 1,1,1,2-Tetrachloroethane	131	8.533	8.533	0.000	91	218246	25.0	25.5	
90 m-Xylene & p-Xylene	106	8.643	8.643	0.000	98	382249	25.0	26.2	
91 o-Xylene	106	9.075	9.075	0.000	98	383242	25.0	27.3	
92 Styrene	104	9.105	9.105	0.000	94	616690	25.0	25.7	
93 Bromoform	173	9.355	9.355	0.000	95	153210	25.0	27.3	
95 Isopropylbenzene	105	9.458	9.458	0.000	97	1006201	25.0	26.5	
97 Bromobenzene	156	9.805	9.805	0.000	91	244606	25.0	25.6	
98 1,1,2,2-Tetrachloroethane	83	9.866	9.866	0.000	94	262692	25.0	25.8	
100 N-Propylbenzene	91	9.884	9.884	0.000	99	1178750	25.0	26.4	
99 1,2,3-Trichloropropane	110	9.896	9.896	0.000	95	81338	25.0	27.1	
101 trans-1,4-Dichloro-2-butene	53	9.914	9.914	0.000	83	128806	25.0	24.0	
102 2-Chlorotoluene	126	9.993	9.993	0.000	96	232671	25.0	26.6	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	96	807057	25.0	26.3	
105 4-Chlorotoluene	91	10.103	10.103	0.000	98	712266	25.0	25.5	
106 tert-Butylbenzene	134	10.383	10.383	0.000	96	189947	25.0	27.6	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	98	834906	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	1059459	25.0	27.0	
110 1,3-Dichlorobenzene	146	10.729	10.729	0.000	97	470266	25.0	25.6	
111 4-Isopropyltoluene	119	10.736	10.736	0.000	98	947036	25.0	26.7	
113 1,4-Dichlorobenzene	146	10.821	10.821	0.000	94	473966	25.0	25.1	
115 n-Butylbenzene	91	11.119	11.119	0.000	98	810169	25.0	26.0	
116 1,2-Dichlorobenzene	146	11.174	11.174	0.000	97	470184	25.0	25.4	
117 1,2-Dibromo-3-Chloropropane	75	11.904	11.904	0.000	86	56958	25.0	22.8	
119 1,2,4-Trichlorobenzene	180	12.579	12.579	0.000	94	329785	25.0	24.7	
120 Hexachlorobutadiene	225	12.688	12.688	0.000	96	154596	25.0	24.4	
121 Naphthalene	128	12.792	12.792	0.000	97	931768	25.0	25.2	
122 1,2,3-Trichlorobenzene	180	12.993	12.993	0.000	95	318868	25.0	24.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00212

Amount Added: 12.50

Units: uL

GAS CORP mix_00469

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\20210827-100657.b\N5405.D

Injection Date: 27-Aug-2021 21:45:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: CCVIS

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

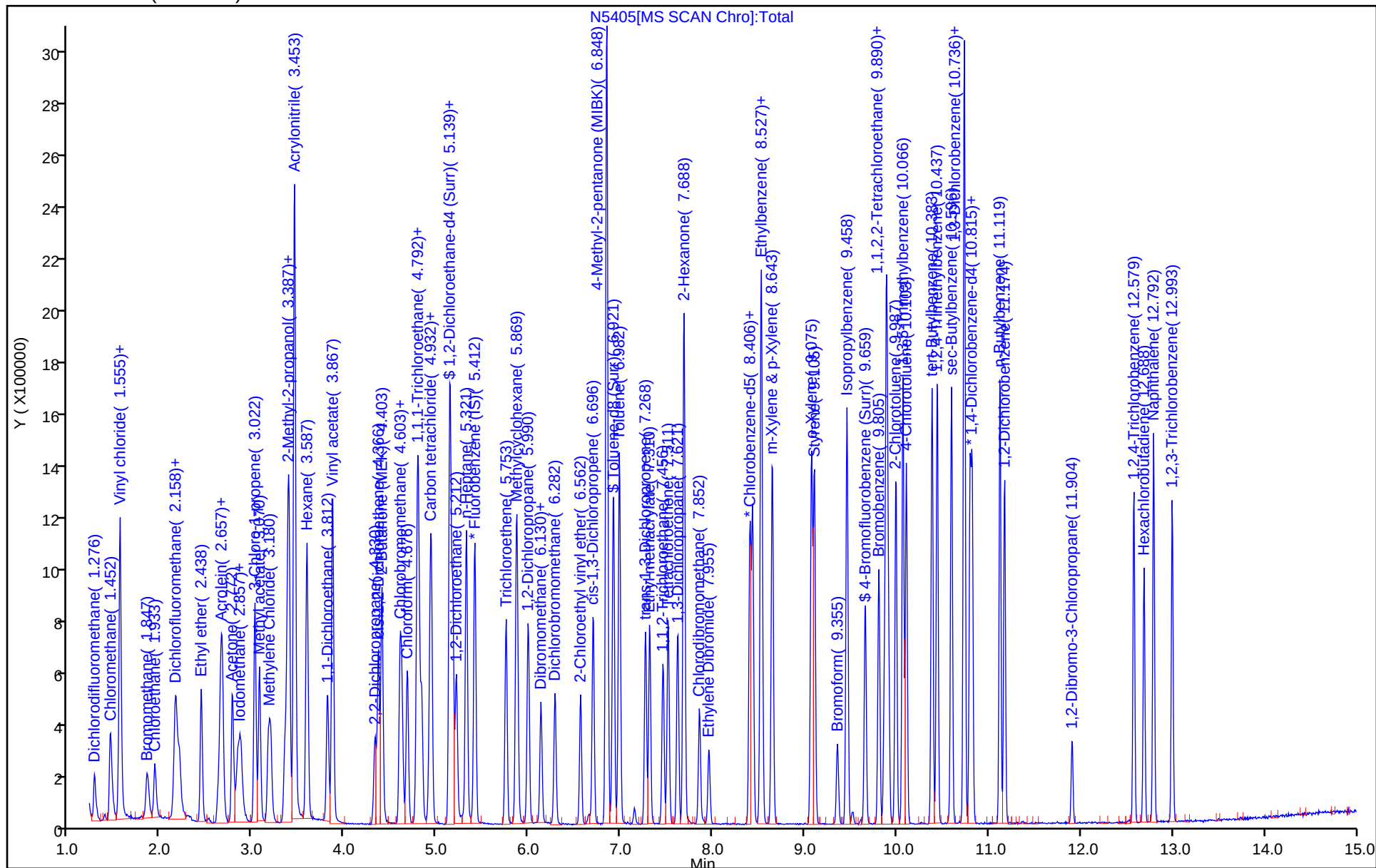
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

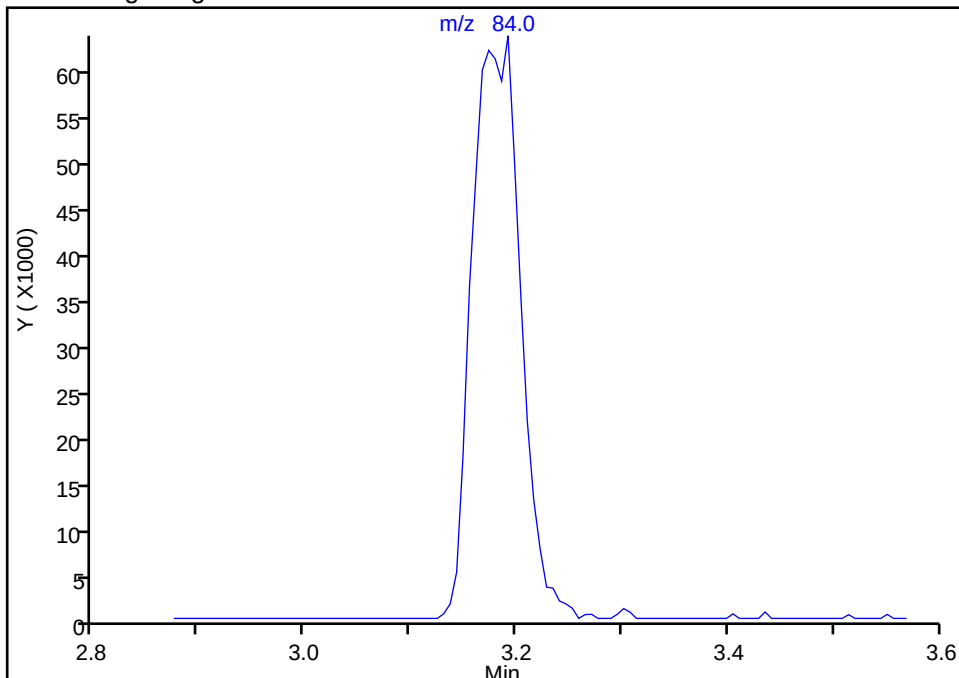
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5405.D
Injection Date: 27-Aug-2021 21:45:30 Instrument ID: HP5973N
Lims ID: CCVIS
Client ID:
Operator ID: wd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

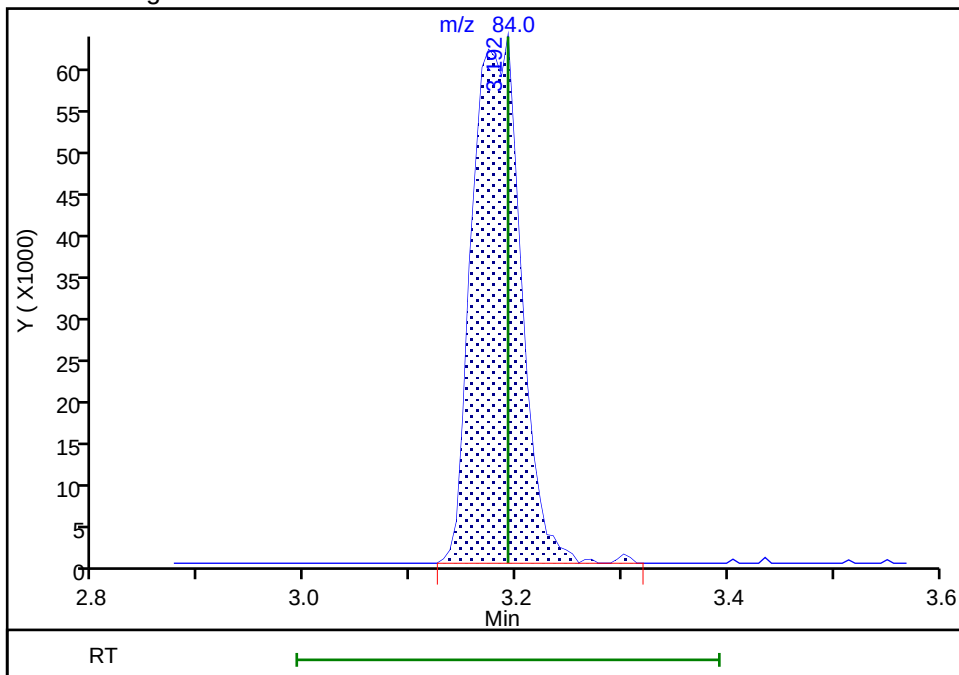
Not Detected
Expected RT: 3.19

Processing Integration Results



RT: 3.19
Area: 203642
Amount: 24.617907
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 30-Aug-2021 09:56:01

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5405.D

Injection Date: 27-Aug-2021 21:45:30

Instrument ID: HP5973N

Lims ID: CCVIS

Client ID:

Operator ID: wd

ALS Bottle#:

4

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)

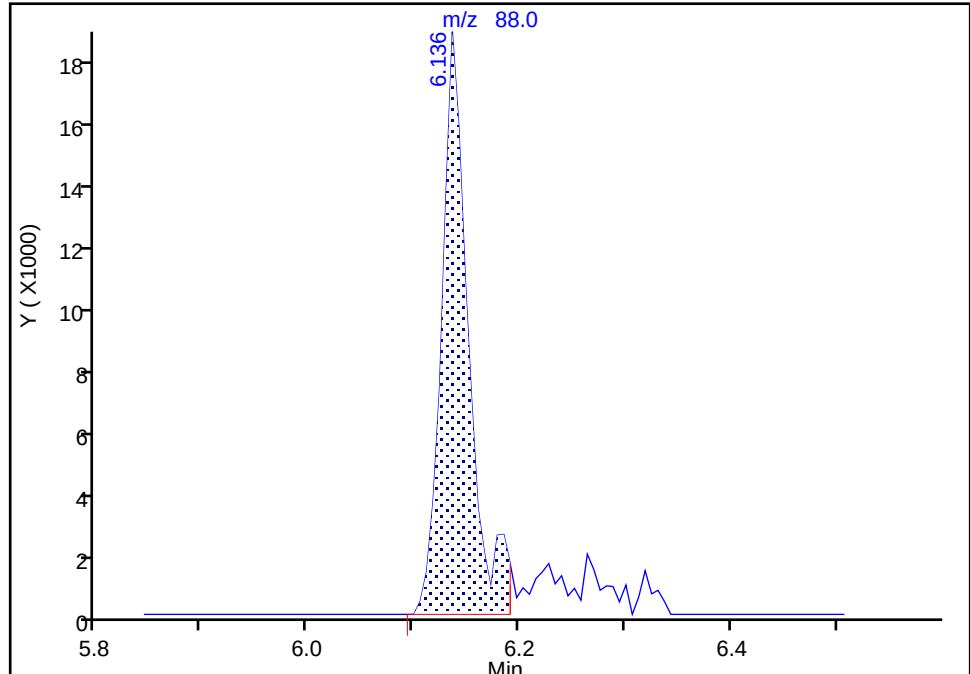
Detector: MS SCAN

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

Signal: 1

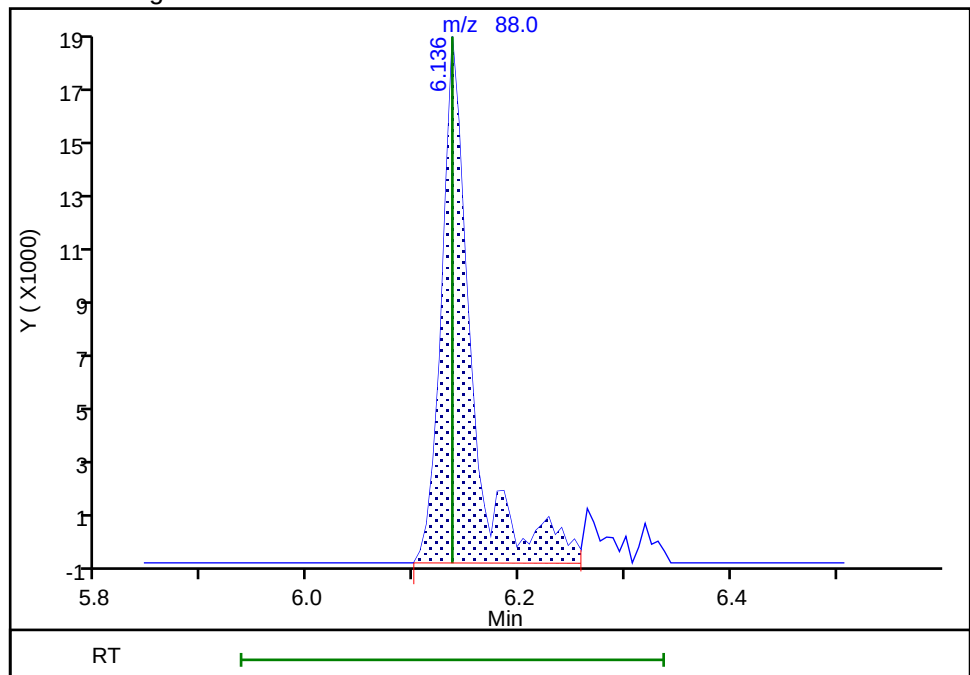
RT: 6.14
Area: 33637
Amount: 332.3676
Amount Units: ug/L

Processing Integration Results



RT: 6.14
Area: 37504
Amount: 370.5775
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 30-Aug-2021 09:56:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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

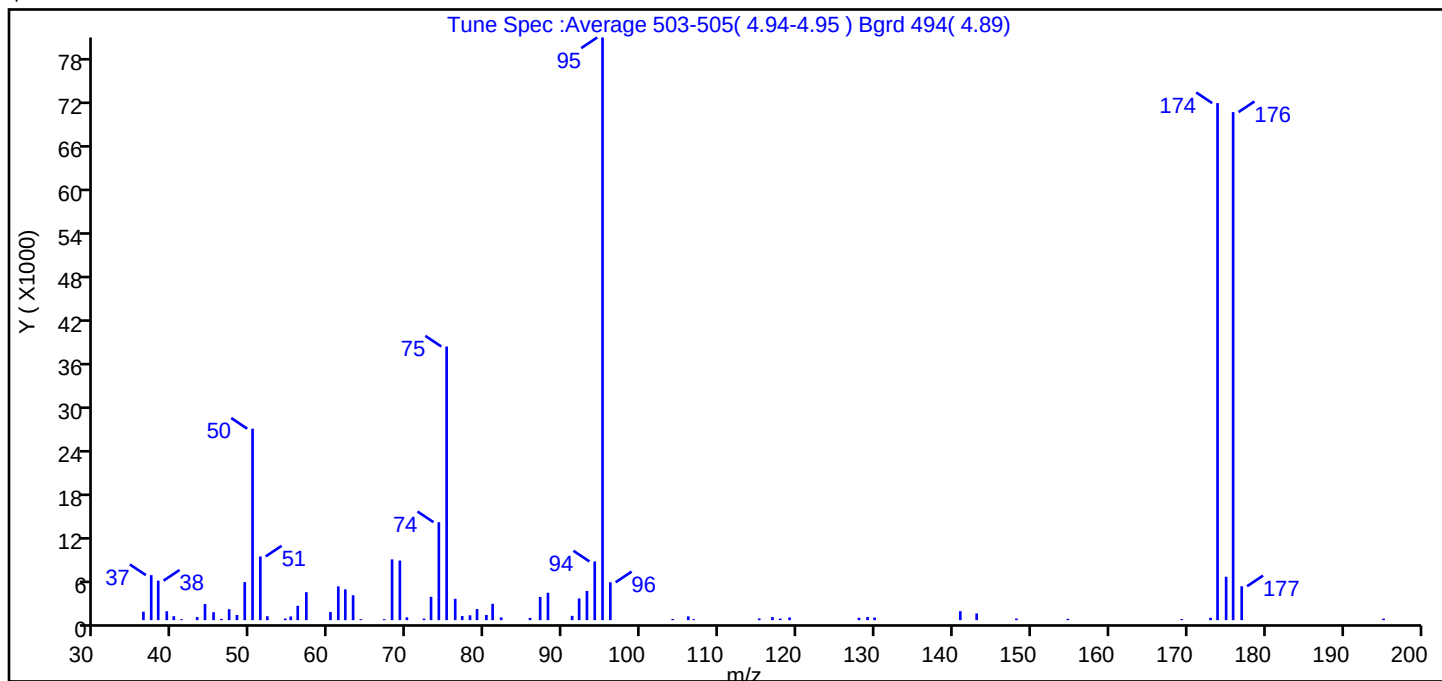
Method: N-8260

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		

Report Date: 27-Aug-2021 10:07:14

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

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

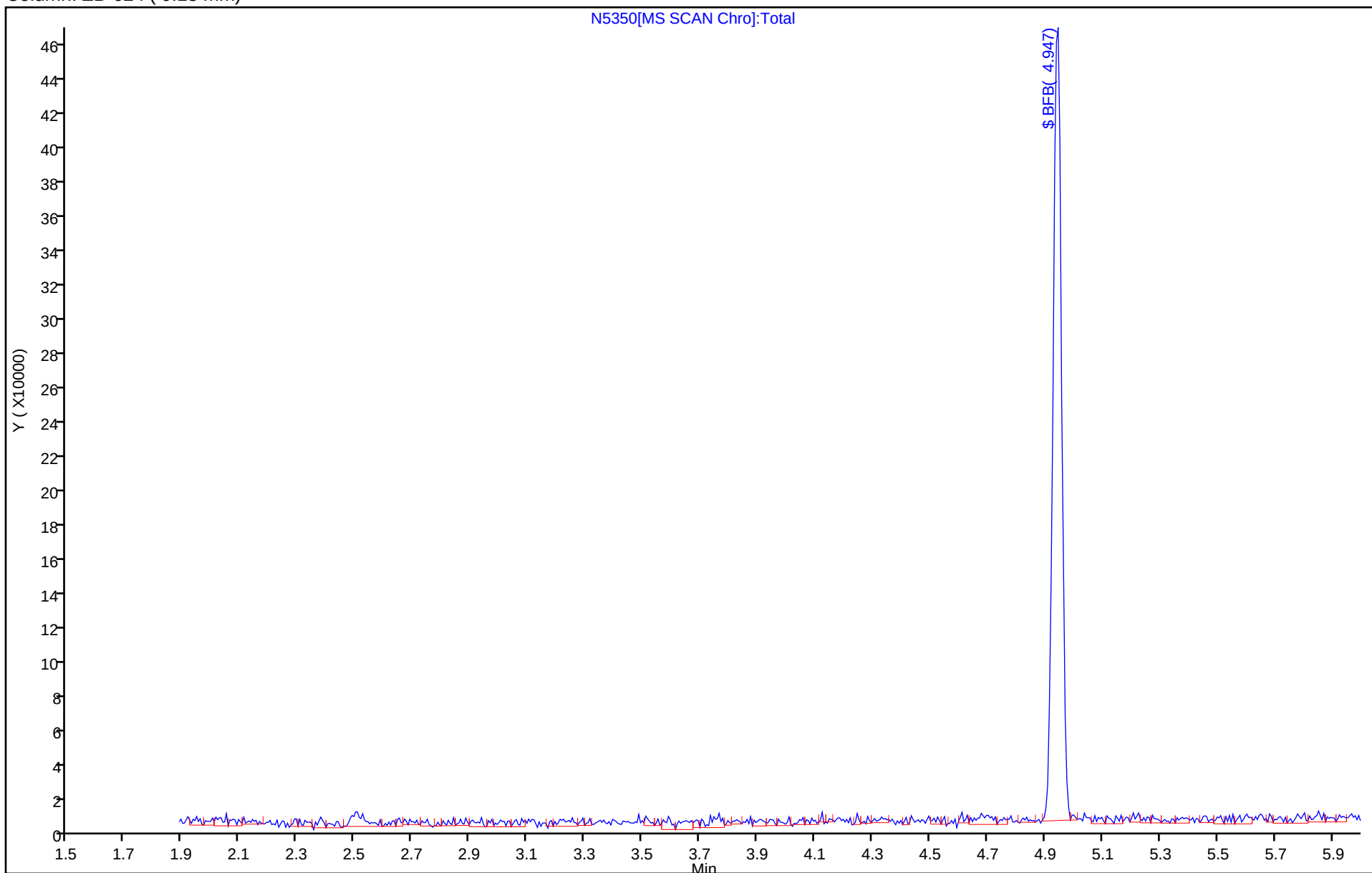
Dil. Factor: 1.0000

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\20210827-100657.b\N5404.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 27-Aug-2021 21:22:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0100657-003
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 28-Aug-2021 08:43:21 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: CTX1645

First Level Reviewer: izquierdoo

Date: 28-Aug-2021 08:43:21

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	88	1097989	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\20210827-100657.b\N5404.D

Injection Date: 27-Aug-2021 21:22:30

Instrument ID: HP5973N

Lims ID: BFB

Client ID:

Operator ID: wd

ALS Bottle#:

3

Worklist Smp#:

3

Injection Vol: 1.0 uL

Dil. Factor:

1.0000

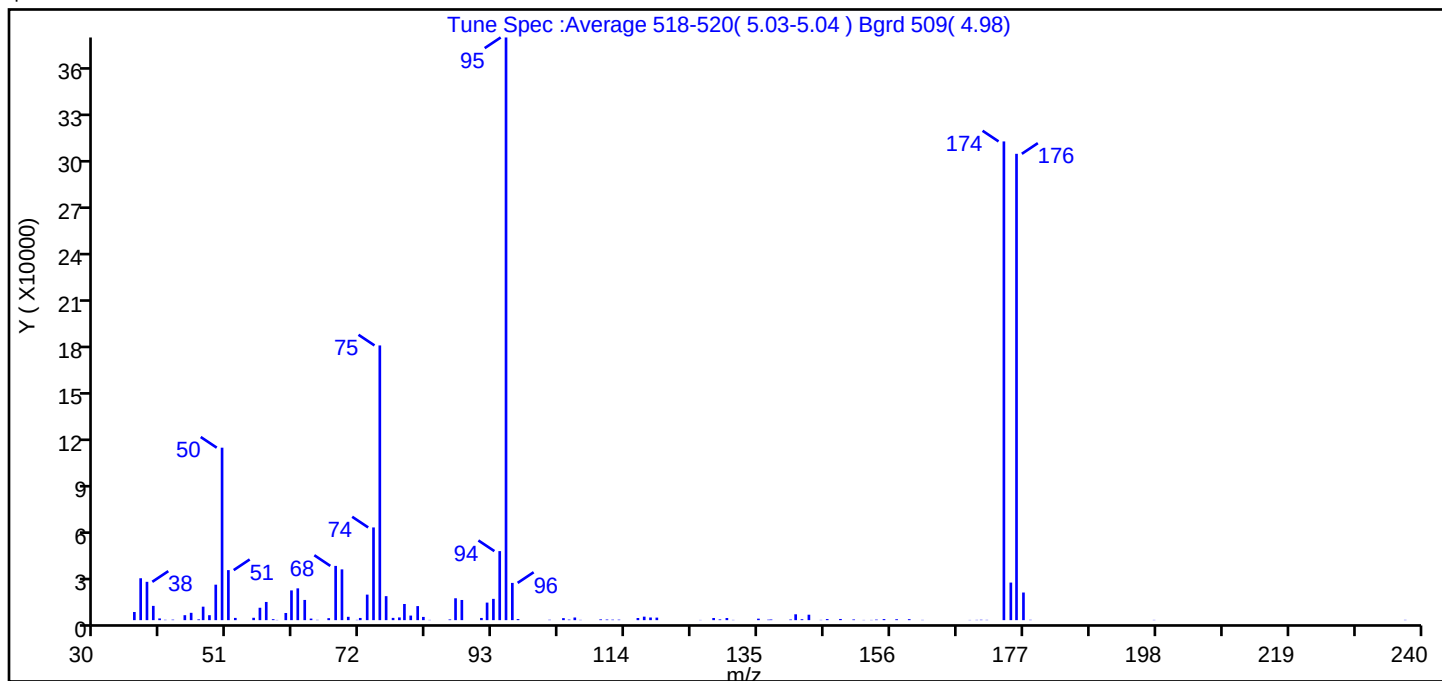
Method: N-8260

Limit Group:

MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	29.6
75	30 to 60% of m/z 95	47.1
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	82.2
175	5 to 9% of m/z 174	6.4 (7.8)
176	Greater than 95% but less than 101% of m/z 174	80.0 (97.4)
177	5 to 9% of m/z 176	4.7 (5.9)

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5404.D\N-8260.rslt\spectra.d
Injection Date: 27-Aug-2021 21:22:30
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: 101

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5219	65.00	192	96.00	23872	143.00	3485
37.00	26856	67.00	1260	97.00	678	145.00	169
38.00	24568	68.00	34760	102.00	241	146.00	687
39.00	9143	69.00	32544	104.00	1293	148.00	750
40.00	1092	70.00	2139	105.00	353	150.00	443
41.00	219	71.00	173	106.00	1691	152.00	143
42.00	315	72.00	1405	107.00	173	153.00	142
44.00	3171	73.00	16362	110.00	494	154.00	353
45.00	4690	74.00	59416	111.00	394	155.00	674
46.00	498	75.00	176064	112.00	316	157.00	582
47.00	8637	76.00	15378	113.00	313	159.00	615
48.00	3169	77.00	1456	116.00	1372	161.00	164
49.00	22736	78.00	1732	117.00	2238	168.00	134
50.00	110536	79.00	10353	118.00	1695	170.00	173
51.00	32064	80.00	2922	119.00	1616	170.00	251
52.00	1432	81.00	9004	126.00	137	171.00	181
55.00	1516	82.00	2072	128.00	1380	174.00	306816
56.00	7941	83.00	151	129.00	476	175.00	24080
57.00	11657	86.00	462	130.00	1357	176.00	298880
58.00	612	87.00	14020	131.00	158	177.00	17704
59.00	134	88.00	12929	135.00	949	178.00	212
60.00	4587	91.00	1409	137.00	302	198.00	157
61.00	19064	92.00	11245	137.00	418	238.00	179
62.00	20376	93.00	13639	140.00	400		
63.00	12952	94.00	44240	141.00	3749		
64.00	998	95.00	373440	142.00	583		

Report Date: 28-Aug-2021 08:43:21

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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5404.D

Injection Date: 27-Aug-2021 21:22:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: BFB

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 uL

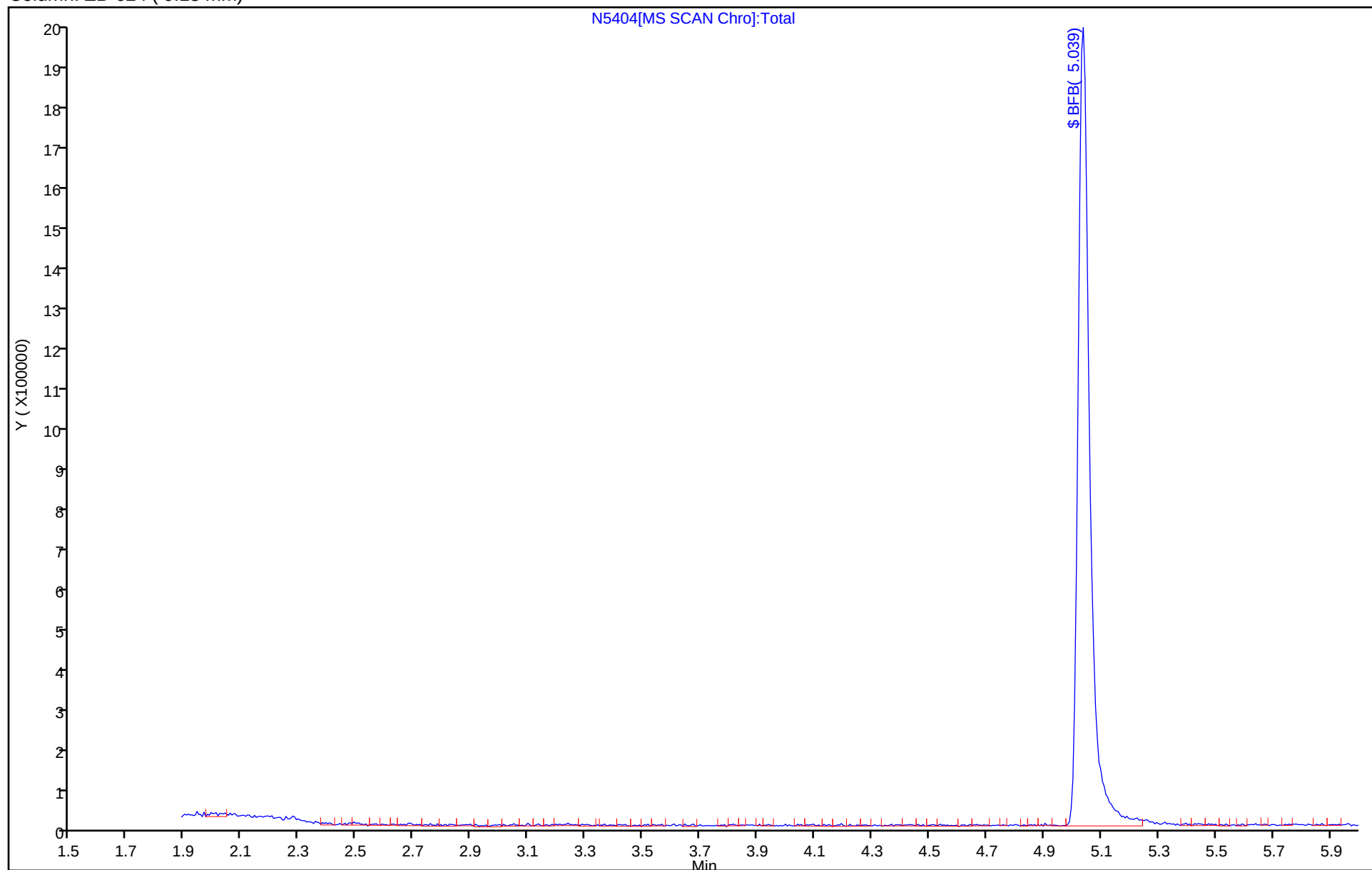
Dil. Factor: 1.0000

ALS Bottle#: 3

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.: 480-188804-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-594406/8

Matrix: Water Lab File ID: N5409.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 08/27/2021 23:18

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.: 594406 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
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
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
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
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
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
124-48-1	Dibromochloromethane	ND		1.0	0.32
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
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-594406/8
 Matrix: Water Lab File ID: N5409.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 08/27/2021 23:18
 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.: 594406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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
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
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5409.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 27-Aug-2021 23:18:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0100657-008
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Aug-2021 10:17:46 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: CTX1656

First Level Reviewer: dahnw

Date: 30-Aug-2021 10:17:46

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	156716	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.406	-0.001	89	580757	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	96	306365	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	92	198853	25.0	24.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	97	254641	25.0	24.6	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	723464	25.0	25.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	88	213693	25.0	24.1	
11 Dichlorodifluoromethane	85		1.276					ND	
12 Chlorodifluoromethane	51		1.300					ND	U
13 Chloromethane	50		1.452					ND	
14 Vinyl chloride	62		1.543					ND	
144 Butadiene	54		1.555					ND	
15 Bromomethane	94		1.847					ND	
16 Chloroethane	64		1.933					ND	U
17 Dichlorofluoromethane	67		2.152					ND	7
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		2.644					ND	
22 1,1-Dichloroethene	96		2.669					ND	
23 Acetone	43		2.772					ND	
24 Iodomethane	142		2.833					ND	
25 Carbon disulfide	76		2.869					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	U
30 Methylene Chloride	84		3.192					ND	
31 2-Methyl-2-propanol	59		3.344					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		3.380					ND	
33 trans-1,2-Dichloroethene	96		3.393					ND	
34 Acrylonitrile	53		3.453					ND	
35 Hexane	57		3.587					ND	
36 1,1-Dichloroethane	63		3.806					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	7
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		4.360					ND	
44 2-Butanone (MEK)	43		4.403					ND	7
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		4.615					ND	
50 Chloroform	83		4.676					ND	
51 1,1,1-Trichloroethane	97		4.786					ND	
52 Cyclohexane	56		4.792					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		5.139					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		5.990					ND	
65 Methyl methacrylate	41		6.094					ND	
64 Dibromomethane	93		6.130					ND	
66 1,4-Dioxane	88		6.136					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	
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		7.310					ND	
78 1,1,2-Trichloroethane	83		7.456					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		7.621					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		7.955					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		8.521					ND	
89 1,1,1,2-Tetrachloroethane	131		8.533					ND	
90 m-Xylene & p-Xylene	106		8.643					ND	
91 o-Xylene	106		9.075					ND	
92 Styrene	104		9.105					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		9.805					ND	
98 1,1,2,2-Tetrachloroethane	83		9.866					ND	
100 N-Propylbenzene	91		9.884					ND	
99 1,2,3-Trichloropropane	110		9.896					ND	
101 trans-1,4-Dichloro-2-butene	53		9.914					ND	7
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		10.383					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	7
111 4-Isopropyltoluene	119		10.736					ND	
112 Dicyclopentadiene	66		10.796					ND	7
113 1,4-Dichlorobenzene	146		10.821					ND	7
114 1,2,3-Trimethylbenzene	105		10.845					ND	
143 Benzyl chloride	126		10.967					ND	
115 n-Butylbenzene	91		11.119					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		12.993					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

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5409.D

Injection Date: 27-Aug-2021 23:18:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: MB

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

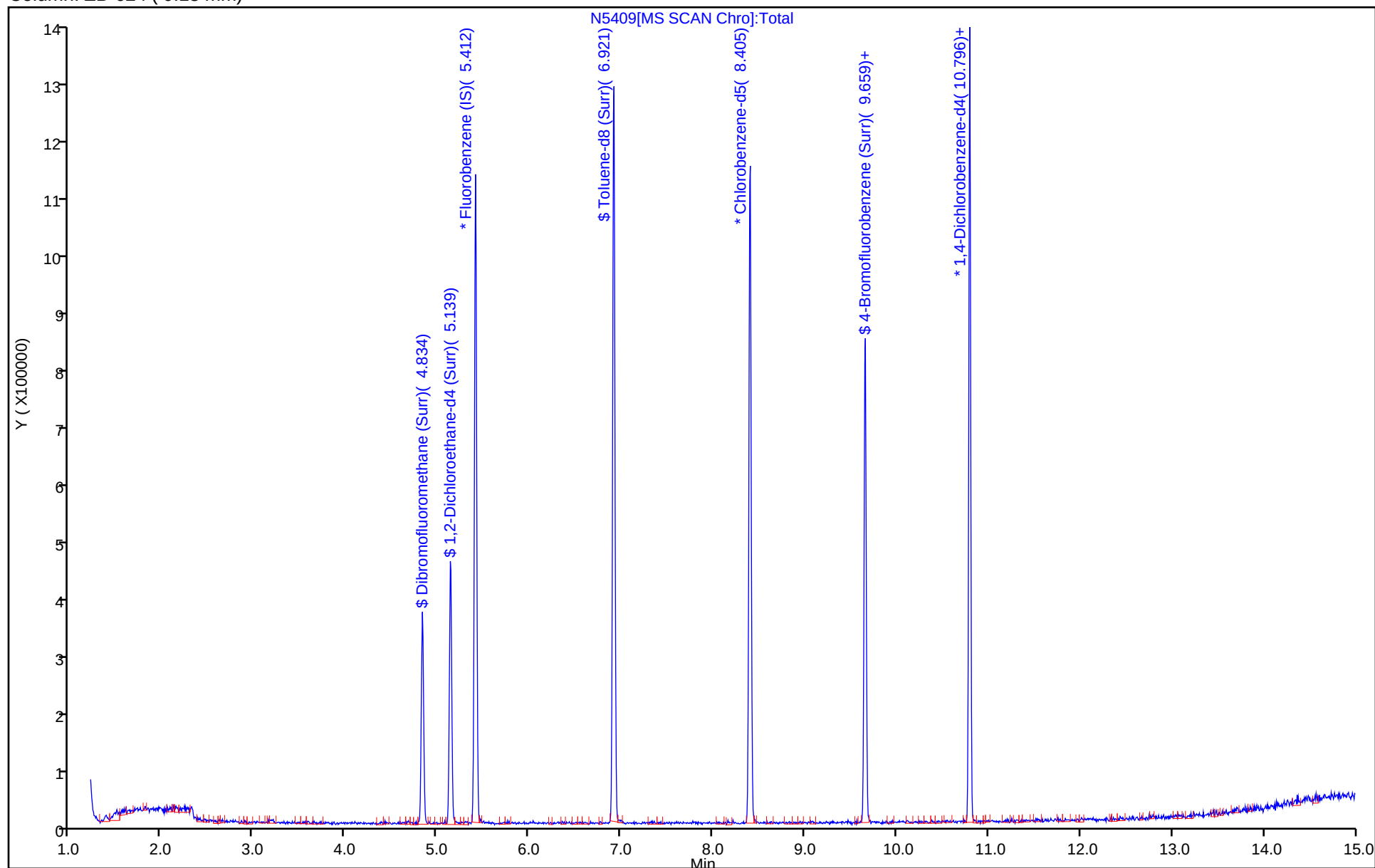
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5409.D

Injection Date: 27-Aug-2021 23:18:30

Instrument ID: HP5973N

Lims ID: MB

Client ID:

Operator ID: wd

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

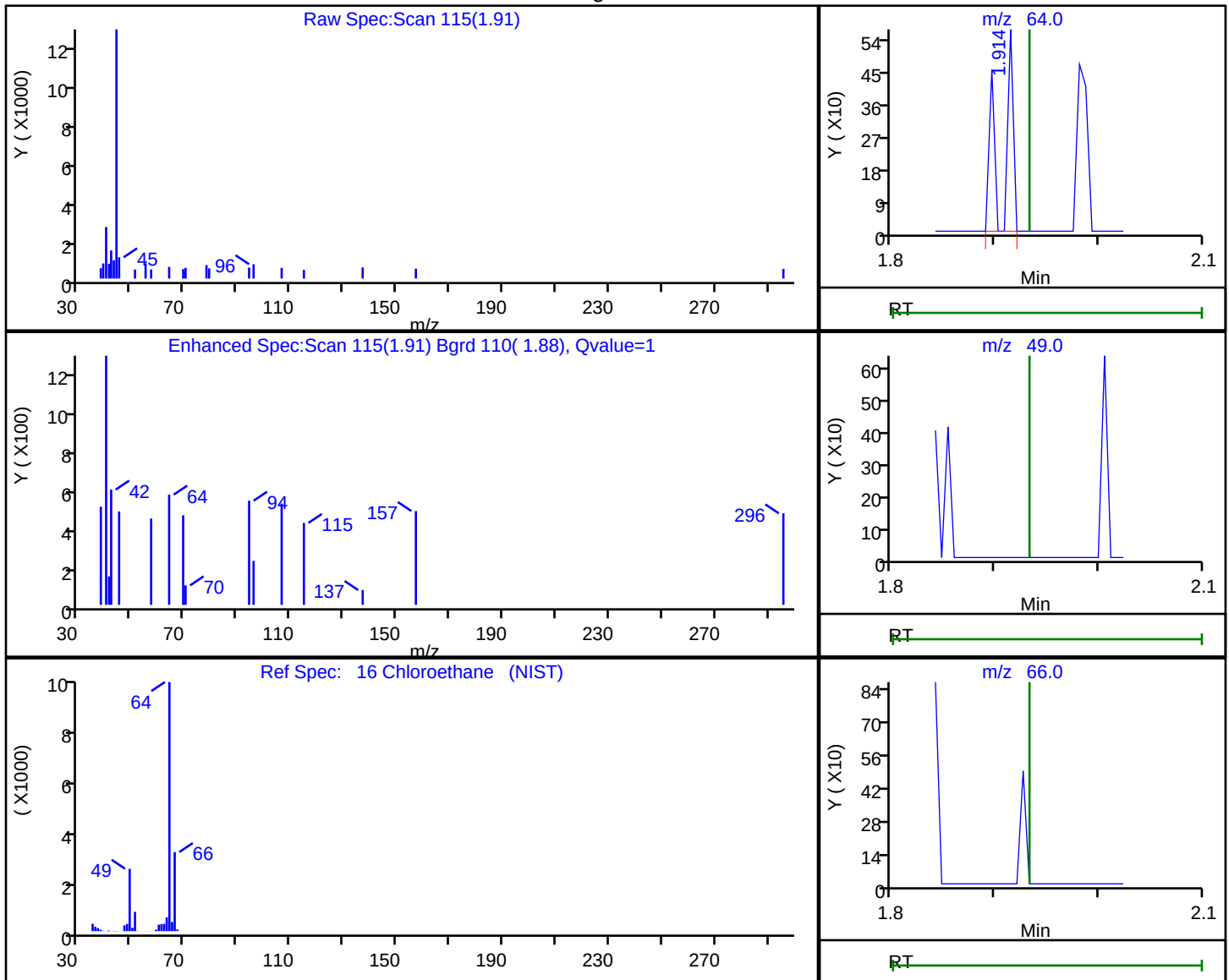
Column: ZB-624 (0.18 mm)

Detector

MS SCAN

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.91	64.00	372	0.047786
1.93	49.00	0	
1.93	66.00	0	

Reviewer: dahnw, 30-Aug-2021 10:17:13

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.: 480-188804-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-594406/6

Matrix: Water Lab File ID: N5407.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 08/27/2021 22:31

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.: 594406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.1		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.2		1.0	0.21
79-00-5	1,1,2-Trichloroethane	25.6		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25.6		1.0	0.31
75-34-3	1,1-Dichloroethane	24.2		1.0	0.38
75-35-4	1,1-Dichloroethene	23.4		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	24.1		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	23.4		1.0	0.39
95-50-1	1,2-Dichlorobenzene	24.2		1.0	0.79
107-06-2	1,2-Dichloroethane	24.0		1.0	0.21
78-87-5	1,2-Dichloropropane	25.3		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.2		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.7		1.0	0.84
78-93-3	2-Butanone (MEK)	132		10	1.3
591-78-6	2-Hexanone	130		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	125		5.0	2.1
67-64-1	Acetone	138		10	3.0
71-43-2	Benzene	25.1		1.0	0.41
75-27-4	Bromodichloromethane	24.7		1.0	0.39
75-25-2	Bromoform	26.1		1.0	0.26
74-83-9	Bromomethane	20.9		1.0	0.69
75-15-0	Carbon disulfide	23.8		1.0	0.19
56-23-5	Carbon tetrachloride	25.8		1.0	0.27
108-90-7	Chlorobenzene	25.4		1.0	0.75
124-48-1	Dibromochloromethane	26.7		1.0	0.32
75-00-3	Chloroethane	20.7		1.0	0.32
67-66-3	Chloroform	24.0		1.0	0.34
74-87-3	Chloromethane	22.4		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.2		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.7		1.0	0.36
110-82-7	Cyclohexane	25.6		1.0	0.18
75-71-8	Dichlorodifluoromethane	22.0		1.0	0.68
100-41-4	Ethylbenzene	24.6		1.0	0.74
106-93-4	1,2-Dibromoethane	26.9		1.0	0.73
98-82-8	Isopropylbenzene	24.4		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-594406/6
 Matrix: Water Lab File ID: N5407.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 08/27/2021 22:31
 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.: 594406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	49.6		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.2		1.0	0.16
108-87-2	Methylcyclohexane	26.0		1.0	0.16
75-09-2	Methylene Chloride	23.7		1.0	0.44
100-42-5	Styrene	25.4		1.0	0.73
127-18-4	Tetrachloroethene	26.1		1.0	0.36
108-88-3	Toluene	24.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.5		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.3		1.0	0.37
79-01-6	Trichloroethene	26.2		1.0	0.46
75-69-4	Trichlorofluoromethane	23.8		1.0	0.88
75-01-4	Vinyl chloride	23.7		1.0	0.90
1330-20-7	Xylenes, Total	50.5		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5407.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 27-Aug-2021 22:31:30 ALS Bottle#: 6 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0100657-006
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Aug-2021 10:44:02 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: CTX1656

First Level Reviewer: dahnw

Date: 30-Aug-2021 10:58:08

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	157974	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.406	-0.001	88	594040	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	95	321413	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	93	200251	25.0	24.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	87	262279	25.0	25.2	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	95	743541	25.0	25.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	88	233861	25.0	25.7	
11 Dichlorodifluoromethane	85	1.275	1.276	-0.001	97	169156	25.0	22.0	
13 Chloromethane	50	1.452	1.452	0.000	99	413674	25.0	22.4	
14 Vinyl chloride	62	1.543	1.543	0.000	97	281065	25.0	23.7	
144 Butadiene	54	1.555	1.555	0.000	97	349357	25.0	23.0	
15 Bromomethane	94	1.853	1.847	0.006	92	134033	25.0	20.9	
16 Chloroethane	64	1.939	1.933	0.006	95	162385	25.0	20.7	
17 Dichlorofluoromethane	67	2.164	2.152	0.012	96	339887	25.0	22.6	
18 Trichlorofluoromethane	101	2.170	2.164	0.006	60	277219	25.0	23.8	
19 Ethyl ether	59	2.437	2.438	-0.001	92	271973	25.0	24.8	
20 Acrolein	56	2.620	2.614	0.006	98	74230	125.0	119.3	
21 112TCTFE	101	2.650	2.644	0.006	92	178816	25.0	25.6	
22 1,1-Dichloroethene	96	2.669	2.669	0.000	93	173500	25.0	23.4	
23 Acetone	43	2.778	2.772	0.006	98	710881	125.0	138.1	
24 Iodomethane	142	2.839	2.833	0.006	99	303245	25.0	23.5	
25 Carbon disulfide	76	2.875	2.869	0.006	99	548924	25.0	23.8	
27 3-Chloro-1-propene	41	3.021	3.022	-0.001	88	599955	25.0	22.8	
28 Methyl acetate	43	3.070	3.070	0.000	100	759990	50.0	49.6	
30 Methylene Chloride	84	3.192	3.192	0.000	89	197273	25.0	23.7	
31 2-Methyl-2-propanol	59	3.350	3.344	0.006	97	418881	250.0	279.0	
32 Methyl tert-butyl ether	73	3.380	3.380	0.000	94	670913	25.0	24.2	
33 trans-1,2-Dichloroethene	96	3.393	3.393	0.000	91	204922	25.0	24.5	
34 Acrylonitrile	53	3.453	3.453	0.000	98	1843964	250.0	250.6	
35 Hexane	57	3.587	3.587	0.000	97	459998	25.0	25.9	
36 1,1-Dichloroethane	63	3.812	3.806	0.006	96	444762	25.0	24.2	

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	1847665	50.0	48.2	
42 2,2-Dichloropropane	77	4.329	4.330	-0.001	90	153820	25.0	20.2	
43 cis-1,2-Dichloroethene	96	4.366	4.360	0.006	84	228713	25.0	24.2	
44 2-Butanone (MEK)	43	4.402	4.403	-0.001	96	1229183	125.0	131.5	
47 Chlorobromomethane	128	4.597	4.597	0.000	86	120512	25.0	23.9	
49 Tetrahydrofuran	42	4.615	4.615	0.000	94	346502	50.0	51.5	
50 Chloroform	83	4.682	4.676	0.006	94	361956	25.0	24.0	
51 1,1,1-Trichloroethane	97	4.792	4.786	0.006	96	303518	25.0	25.1	
52 Cyclohexane	56	4.792	4.792	0.000	93	560784	25.0	25.6	
53 Carbon tetrachloride	117	4.926	4.926	0.000	93	288058	25.0	25.8	
54 1,1-Dichloropropene	75	4.938	4.938	0.000	85	298624	25.0	26.8	
55 Benzene	78	5.145	5.139	0.006	92	845773	25.0	25.1	
56 Isobutyl alcohol	43	5.175	5.169	0.006	96	629641	625.0	627.0	
57 1,2-Dichloroethane	62	5.212	5.212	0.000	94	367793	25.0	24.0	
59 n-Heptane	43	5.321	5.321	0.000	95	572987	25.0	24.5	
60 Trichloroethene	95	5.753	5.753	0.000	94	214829	25.0	26.2	
62 Methylcyclohexane	83	5.869	5.869	0.000	94	366476	25.0	26.0	
63 1,2-Dichloropropane	63	5.996	5.990	0.006	90	261513	25.0	25.3	
64 Dibromomethane	93	6.130	6.130	0.000	95	133751	25.0	23.6	
66 1,4-Dioxane	88	6.136	6.136	0.000	40	40020	500.0	383.2	M
67 Dichlorobromomethane	83	6.282	6.282	0.000	95	266558	25.0	24.7	
69 2-Chloroethyl vinyl ether	63	6.562	6.562	0.000	85	187671	25.0	28.8	
71 cis-1,3-Dichloropropene	75	6.702	6.702	0.000	84	341150	25.0	25.7	
72 4-Methyl-2-pentanone (MIBK)	58	6.848	6.848	0.000	97	762643	125.0	125.2	
73 Toluene	92	6.982	6.982	0.000	97	535592	25.0	24.8	
75 trans-1,3-Dichloropropene	75	7.268	7.268	0.000	93	323332	25.0	25.3	
77 Ethyl methacrylate	69	7.316	7.310	0.006	89	289833	25.0	26.8	
78 1,1,2-Trichloroethane	83	7.456	7.456	0.000	94	159456	25.0	25.6	
79 Tetrachloroethene	166	7.517	7.511	0.006	94	228069	25.0	26.1	
80 1,3-Dichloropropane	76	7.621	7.621	0.000	90	328023	25.0	26.7	
82 2-Hexanone	43	7.688	7.688	0.000	98	1558860	125.0	129.8	
83 Chlorodibromomethane	129	7.852	7.852	0.000	89	218322	25.0	26.7	
84 Ethylene Dibromide	107	7.955	7.955	0.000	97	207023	25.0	26.9	
85 Chlorobenzene	112	8.430	8.430	0.000	93	593565	25.0	25.4	
88 Ethylbenzene	91	8.527	8.521	0.006	98	969328	25.0	24.6	
89 1,1,1,2-Tetrachloroethane	131	8.533	8.533	0.000	92	225378	25.0	25.5	
90 m-Xylene & p-Xylene	106	8.649	8.643	0.006	98	379606	25.0	25.3	
91 o-Xylene	106	9.075	9.075	0.000	97	365409	25.0	25.2	
92 Styrene	104	9.105	9.105	0.000	93	629349	25.0	25.4	
93 Bromoform	173	9.354	9.355	-0.001	94	150819	25.0	26.1	
95 Isopropylbenzene	105	9.458	9.458	0.000	96	966231	25.0	24.4	
97 Bromobenzene	156	9.805	9.805	0.000	93	252738	25.0	25.4	
98 1,1,2,2-Tetrachloroethane	83	9.865	9.866	-0.001	96	268019	25.0	25.2	
100 N-Propylbenzene	91	9.890	9.884	0.006	99	1162386	25.0	25.0	
99 1,2,3-Trichloropropane	110	9.896	9.896	0.000	92	79823	25.0	25.5	
101 trans-1,4-Dichloro-2-butene	53	9.914	9.914	0.000	83	140014	25.0	25.0	
102 2-Chlorotoluene	126	9.993	9.993	0.000	96	227979	25.0	25.0	
104 1,3,5-Trimethylbenzene	105	10.066	10.066	0.000	96	799095	25.0	25.0	
105 4-Chlorotoluene	91	10.103	10.103	0.000	97	725155	25.0	24.9	
106 tert-Butylbenzene	134	10.389	10.383	0.006	96	192100	25.0	26.8	
108 1,2,4-Trimethylbenzene	105	10.437	10.437	0.000	98	815984	25.0	24.9	
109 sec-Butylbenzene	105	10.596	10.596	0.000	95	1037282	25.0	25.3	

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	97	482695	25.0	25.2	
111 4-Isopropyltoluene	119	10.735	10.736	-0.001	97	922389	25.0	24.9	
113 1,4-Dichlorobenzene	146	10.821	10.821	0.000	95	485385	25.0	24.7	
115 n-Butylbenzene	91	11.119	11.119	0.000	98	778803	25.0	24.0	
116 1,2-Dichlorobenzene	146	11.173	11.174	-0.001	97	465986	25.0	24.2	
117 1,2-Dibromo-3-Chloropropane	75	11.903	11.904	-0.001	80	60923	25.0	23.4	
119 1,2,4-Trichlorobenzene	180	12.579	12.579	0.000	94	335066	25.0	24.1	
120 Hexachlorobutadiene	225	12.688	12.688	0.000	96	149861	25.0	22.7	
121 Naphthalene	128	12.792	12.792	0.000	97	936869	25.0	24.3	
122 1,2,3-Trichlorobenzene	180	12.992	12.993	-0.001	95	314311	25.0	22.9	

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 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\20210827-100657.b\N5407.D

Injection Date: 27-Aug-2021 22:31:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: LCS

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

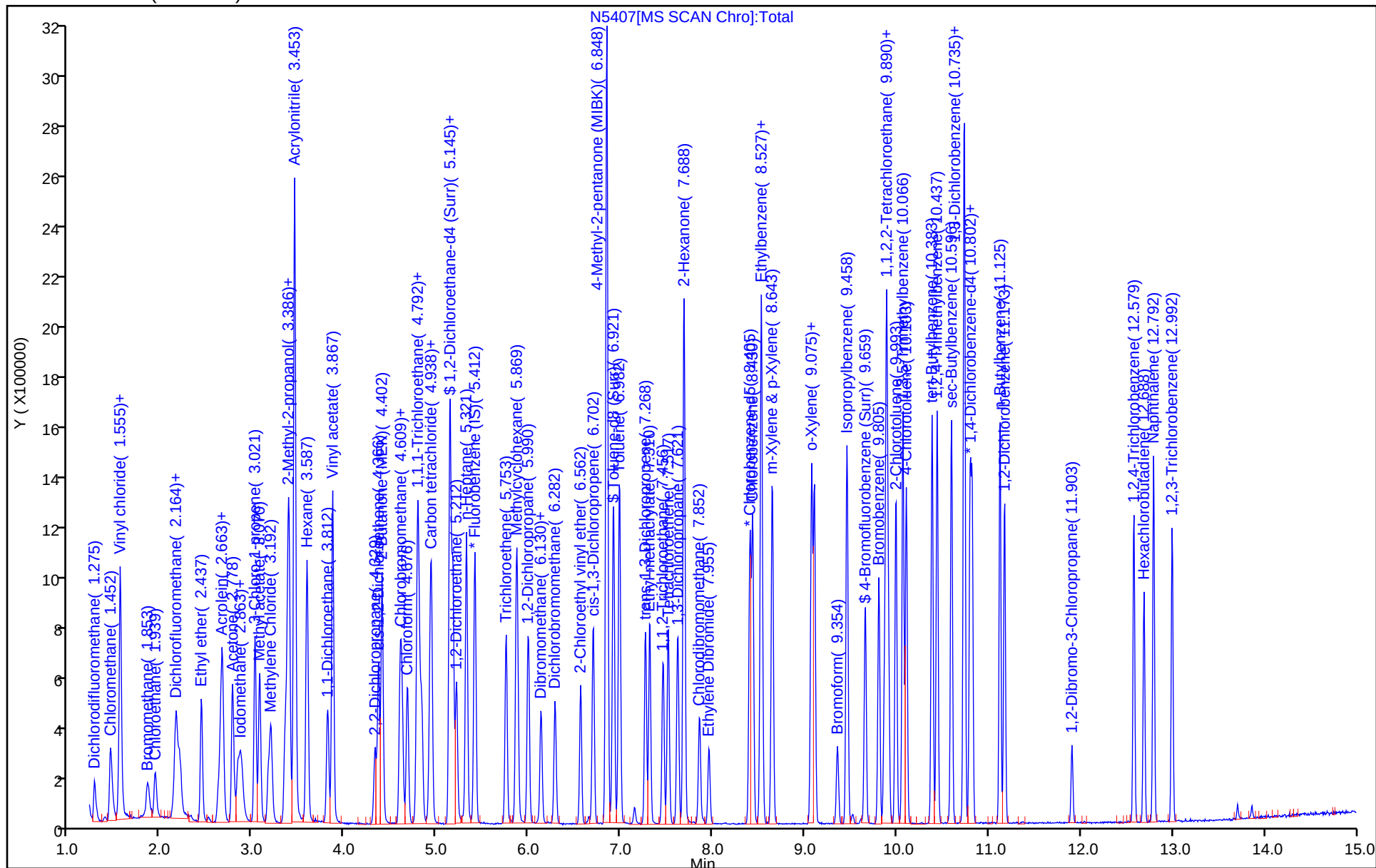
Dil. Factor: 1.0000

ALS Bottle#: 6

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.: 480-188804-1

SDG No.: _____

Client Sample ID: MW-5-ABR-082421 MS Lab Sample ID: 480-188804-1 MS

Matrix: Water Lab File ID: N5432.D

Analysis Method: 8260C Date Collected: 08/24/2021 10:41

Sample wt/vol: 5 (mL) Date Analyzed: 08/28/2021 08:11

Soil Aliquot Vol: _____ Dilution Factor: 400

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

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

Analysis Batch No.: 594406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	9110		400	330
79-34-5	1,1,2,2-Tetrachloroethane	9840		400	84
79-00-5	1,1,2-Trichloroethane	9470		400	92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	8820		400	120
75-34-3	1,1-Dichloroethane	9280		400	150
75-35-4	1,1-Dichloroethene	8240		400	120
120-82-1	1,2,4-Trichlorobenzene	9660		400	160
96-12-8	1,2-Dibromo-3-Chloropropane	8670		400	160
95-50-1	1,2-Dichlorobenzene	9760		400	320
107-06-2	1,2-Dichloroethane	9140		400	84
78-87-5	1,2-Dichloropropane	9300		400	290
541-73-1	1,3-Dichlorobenzene	9830		400	310
106-46-7	1,4-Dichlorobenzene	9610		400	340
78-93-3	2-Butanone (MEK)	51900		4000	530
591-78-6	2-Hexanone	50300		2000	500
108-10-1	4-Methyl-2-pentanone (MIBK)	48800		2000	840
67-64-1	Acetone	55000		4000	1200
71-43-2	Benzene	9190		400	160
75-27-4	Bromodichloromethane	9320		400	160
75-25-2	Bromoform	9700		400	100
74-83-9	Bromomethane	6870		400	280
75-15-0	Carbon disulfide	8500		400	76
56-23-5	Carbon tetrachloride	8820		400	110
108-90-7	Chlorobenzene	9830		400	300
124-48-1	Dibromochloromethane	10100		400	130
75-00-3	Chloroethane	6980		400	130
67-66-3	Chloroform	8610		400	140
74-87-3	Chloromethane	7880		400	140
156-59-2	cis-1,2-Dichloroethene	18100		400	320
10061-01-5	cis-1,3-Dichloropropene	9530		400	140
110-82-7	Cyclohexane	8930		400	72
75-71-8	Dichlorodifluoromethane	7720		400	270
100-41-4	Ethylbenzene	9190		400	300
106-93-4	1,2-Dibromoethane	10000		400	290
98-82-8	Isopropylbenzene	9480		400	320

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1
 SDG No.: _____
 Client Sample ID: MW-5-ABR-082421 MS Lab Sample ID: 480-188804-1 MS
 Matrix: Water Lab File ID: N5432.D
 Analysis Method: 8260C Date Collected: 08/24/2021 10:41
 Sample wt/vol: 5 (mL) Date Analyzed: 08/28/2021 08:11
 Soil Aliquot Vol: _____ Dilution Factor: 400
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 594406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	19500		1000	520
1634-04-4	Methyl tert-butyl ether	8950		400	64
108-87-2	Methylcyclohexane	8530		400	64
75-09-2	Methylene Chloride	8630		400	180
100-42-5	Styrene	9440		400	290
127-18-4	Tetrachloroethene	9480		400	140
108-88-3	Toluene	9390		400	200
156-60-5	trans-1,2-Dichloroethene	9200		400	360
10061-02-6	trans-1,3-Dichloropropene	9140		400	150
79-01-6	Trichloroethene	9860		400	180
75-69-4	Trichlorofluoromethane	7610		400	350
75-01-4	Vinyl chloride	7980		400	360
1330-20-7	Xylenes, Total	18900		800	260

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5432.D
 Lims ID: 480-188804-B-1 MS
 Client ID: MW-5-ABR-082421
 Sample Type: MS
 Inject. Date: 28-Aug-2021 08:11:30 ALS Bottle#: 31 Worklist Smp#: 31
 Purge Vol: 5.000 mL Dil. Factor: 400.0000
 Sample Info: 480-188804-B-1 MS
 Misc. Info.: 480-0100657-031
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Aug-2021 11:06:19 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: CTX1656

First Level Reviewer: dahnw

Date: 30-Aug-2021 10:44:50

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	159349	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.406	8.406	0.000	89	595272	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	95	309429	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	92	194227	25.0	23.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.139	5.139	0.000	76	257548	25.0	24.5	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	96	729670	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.659	9.659	0.000	89	225600	25.0	24.8	
11 Dichlorodifluoromethane	85	1.269	1.269	-0.007	98	150037	25.0	19.3	M
13 Chloromethane	50	1.446	1.452	-0.006	99	367296	25.0	19.7	
14 Vinyl chloride	62	1.543	1.543	0.000	98	238550	25.0	19.9	
15 Bromomethane	94	1.853	1.847	0.006	93	111288	25.0	17.2	
16 Chloroethane	64	1.939	1.933	0.006	95	138158	25.0	17.5	
18 Trichlorofluoromethane	101	2.170	2.164	0.006	59	223272	25.0	19.0	
21 112TCTFE	101	2.650	2.644	0.006	92	155230	25.0	22.1	
22 1,1-Dichloroethene	96	2.663	2.669	-0.006	90	154302	25.0	20.6	
23 Acetone	43	2.778	2.772	0.006	98	714386	125.0	137.6	
25 Carbon disulfide	76	2.869	2.869	0.000	98	493817	25.0	21.2	
28 Methyl acetate	43	3.070	3.070	0.000	100	752549	50.0	48.7	
30 Methylene Chloride	84	3.192	3.192	0.000	90	181907	25.0	21.6	
32 Methyl tert-butyl ether	73	3.374	3.380	-0.006	93	626639	25.0	22.4	
33 trans-1,2-Dichloroethene	96	3.393	3.393	0.000	91	194130	25.0	23.0	
36 1,1-Dichloroethane	63	3.812	3.806	0.006	97	430476	25.0	23.2	
43 cis-1,2-Dichloroethene	96	4.366	4.360	0.006	85	430142	25.0	45.2	
44 2-Butanone (MEK)	43	4.403	4.403	-0.001	96	1224320	125.0	129.9	
50 Chloroform	83	4.676	4.676	0.000	95	326815	25.0	21.5	
51 1,1,1-Trichloroethane	97	4.786	4.786	0.000	95	277422	25.0	22.8	
52 Cyclohexane	56	4.798	4.792	0.006	94	492725	25.0	22.3	
53 Carbon tetrachloride	117	4.926	4.926	0.000	94	248551	25.0	22.1	
55 Benzene	78	5.145	5.139	0.006	91	780286	25.0	23.0	
57 1,2-Dichloroethane	62	5.212	5.212	0.000	94	353631	25.0	22.8	
60 Trichloroethene	95	5.753	5.753	0.000	94	203735	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
62 Methylcyclohexane	83	5.869	5.869	0.000	93	303243	25.0	21.3	
63 1,2-Dichloropropane	63	5.990	5.990	0.000	88	242183	25.0	23.2	
67 Dichlorobromomethane	83	6.282	6.282	0.000	95	253114	25.0	23.3	
71 cis-1,3-Dichloropropene	75	6.696	6.702	-0.006	85	318827	25.0	23.8	
72 4-Methyl-2-pentanone (MIBK)	58	6.848	6.848	0.000	98	745294	125.0	122.1	
73 Toluene	92	6.988	6.982	0.006	97	507822	25.0	23.5	
75 trans-1,3-Dichloropropene	75	7.268	7.268	0.000	94	292213	25.0	22.9	
78 1,1,2-Trichloroethane	83	7.456	7.456	0.000	94	147805	25.0	23.7	
79 Tetrachloroethene	166	7.517	7.511	0.006	96	207902	25.0	23.7	
82 2-Hexanone	43	7.688	7.688	0.000	99	1513238	125.0	125.8	
83 Chlorodibromomethane	129	7.858	7.852	0.006	90	207325	25.0	25.3	
84 Ethylene Dibromide	107	7.955	7.955	0.000	99	193311	25.0	25.1	
85 Chlorobenzene	112	8.430	8.430	0.000	93	576352	25.0	24.6	
88 Ethylbenzene	91	8.521	8.521	0.000	98	906787	25.0	23.0	
90 m-Xylene & p-Xylene	106	8.649	8.643	0.006	98	343238		22.8	
91 o-Xylene	106	9.075	9.075	0.000	97	355197		24.5	
92 Styrene	104	9.105	9.105	0.000	94	586481	25.0	23.6	
93 Bromoform	173	9.355	9.355	0.000	96	140543	25.0	24.2	
95 Isopropylbenzene	105	9.458	9.458	0.000	96	903891	25.0	23.7	
98 1,1,2,2-Tetrachloroethane	83	9.866	9.866	0.000	94	251773	25.0	24.6	
110 1,3-Dichlorobenzene	146	10.729	10.729	0.000	97	452453	25.0	24.6	
113 1,4-Dichlorobenzene	146	10.821	10.821	0.000	95	454844	25.0	24.0	
116 1,2-Dichlorobenzene	146	11.174	11.174	0.000	98	452473	25.0	24.4	
117 1,2-Dibromo-3-Chloropropane	75	11.904	11.904	0.000	78	54408	25.0	21.7	
119 1,2,4-Trichlorobenzene	180	12.579	12.579	0.000	94	323327	25.0	24.2	
S 126 Xylenes, Total	1				0			47.3	

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 IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

N_8260_Surr_00420

Amount Added: 1.00

Units: uL

Run Reagent

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

Operator ID: wd

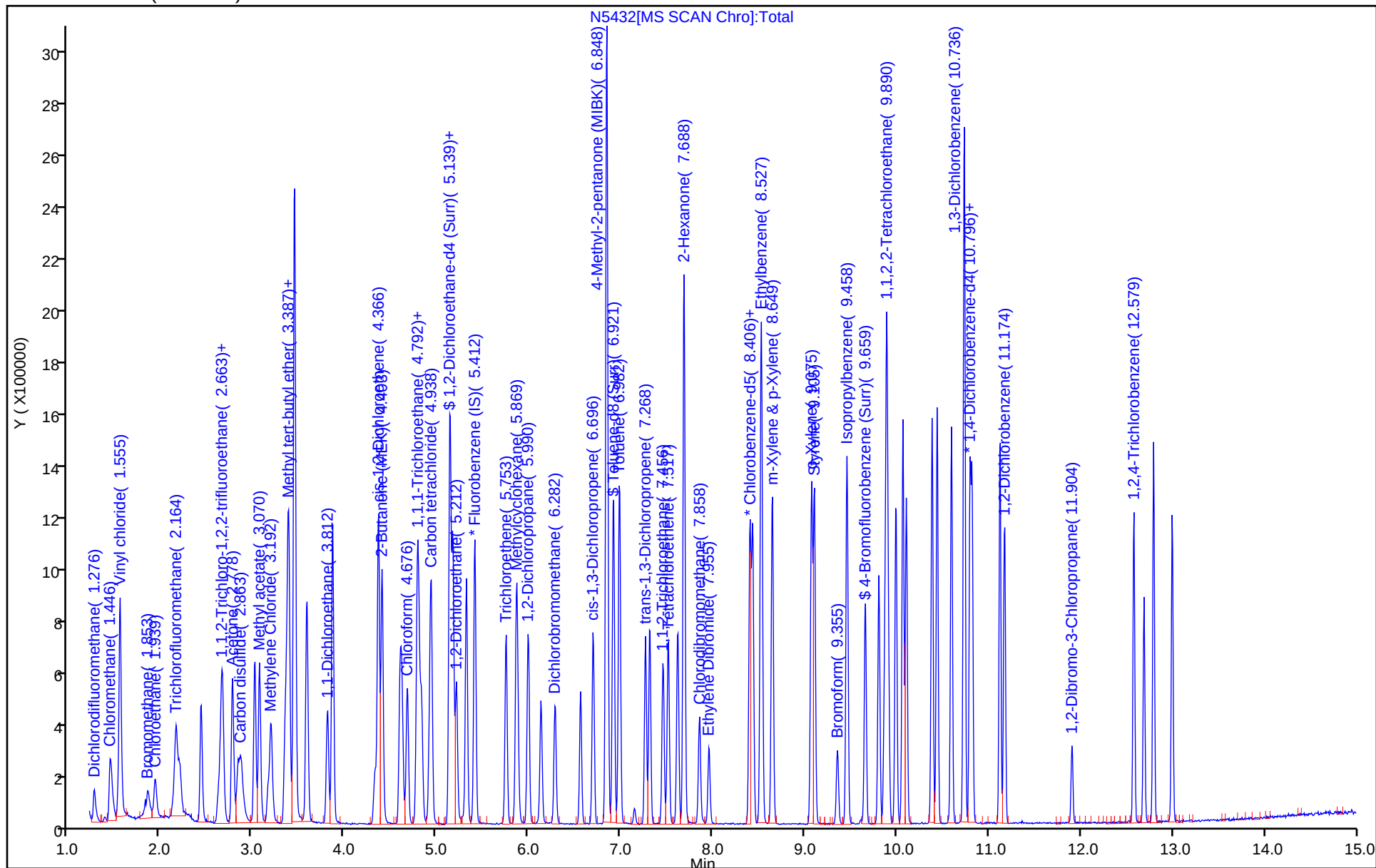
Worklist Smp#: 31

Client ID: MW-5-ABR-082421

ALS Bottle#: 31

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

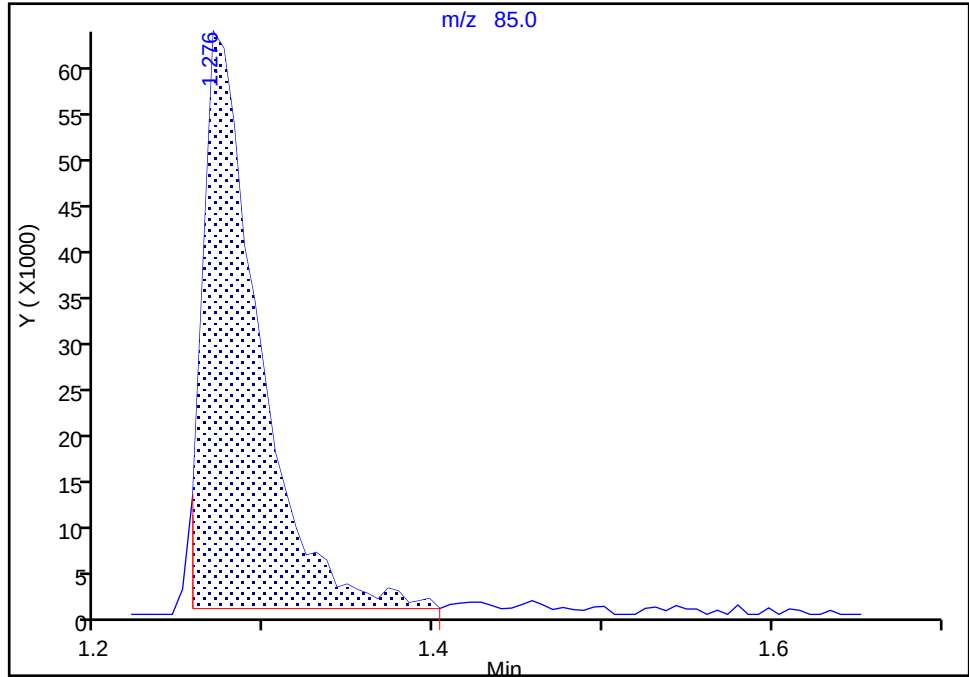
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Injection Date: 28-Aug-2021 08:11:30 Instrument ID: HP5973N
Lims ID: 480-188804-B-1 MS
Client ID: MW-5-ABR-082421
Operator ID: wd ALS Bottle#: 31 Worklist Smp#: 31
Purge Vol: 5.000 mL Dil. Factor: 400.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

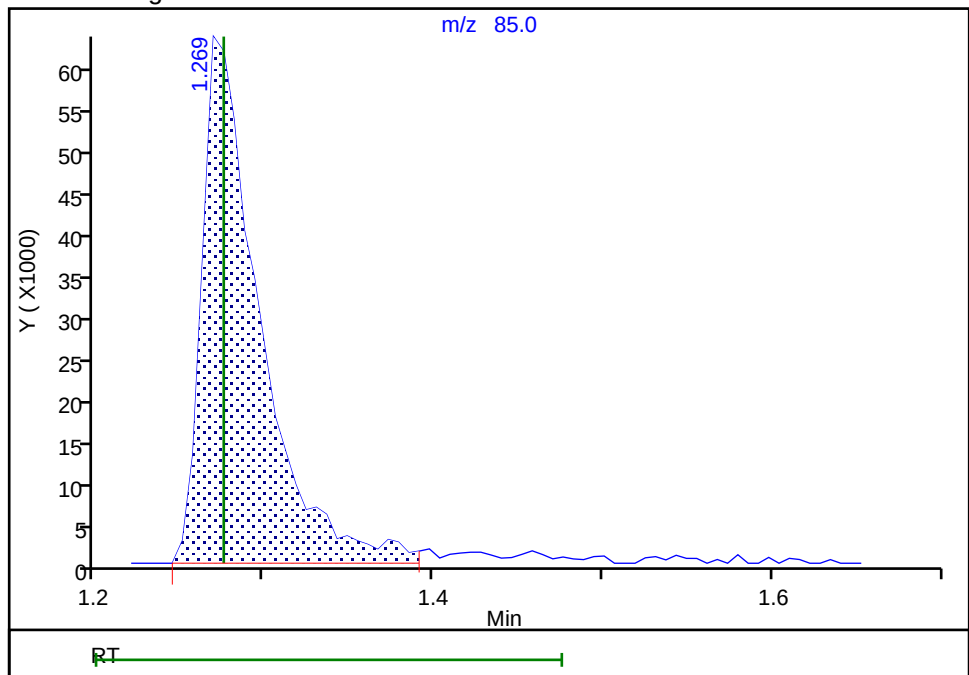
RT: 1.28
Area: 144262
Amount: 18.566583
Amount Units: ug/L

Processing Integration Results



RT: 1.27
Area: 150037
Amount: 19.309828
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 30-Aug-2021 11:06:15
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 318 of 333

08/31/2021

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1
 SDG No.: _____
 Client Sample ID: MW-5-ABR-082421 MSD Lab Sample ID: 480-188804-1 MSD
 Matrix: Water Lab File ID: N5433.D
 Analysis Method: 8260C Date Collected: 08/24/2021 10:41
 Sample wt/vol: 5 (mL) Date Analyzed: 08/28/2021 08:34
 Soil Aliquot Vol: _____ Dilution Factor: 400
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 594406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	9230		400	330
79-34-5	1,1,2,2-Tetrachloroethane	8880		400	84
79-00-5	1,1,2-Trichloroethane	8140		400	92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	9110		400	120
75-34-3	1,1-Dichloroethane	9620		400	150
75-35-4	1,1-Dichloroethene	8860		400	120
120-82-1	1,2,4-Trichlorobenzene	9070		400	160
96-12-8	1,2-Dibromo-3-Chloropropane	7840		400	160
95-50-1	1,2-Dichlorobenzene	8910		400	320
107-06-2	1,2-Dichloroethane	9100		400	84
78-87-5	1,2-Dichloropropane	8830		400	290
541-73-1	1,3-Dichlorobenzene	8570		400	310
106-46-7	1,4-Dichlorobenzene	8720		400	340
78-93-3	2-Butanone (MEK)	40300		4000	530
591-78-6	2-Hexanone	43200		2000	500
108-10-1	4-Methyl-2-pentanone (MIBK)	44000		2000	840
67-64-1	Acetone	39400		4000	1200
71-43-2	Benzene	8970		400	160
75-27-4	Bromodichloromethane	9260		400	160
75-25-2	Bromoform	8640		400	100
74-83-9	Bromomethane	8400		400	280
75-15-0	Carbon disulfide	9090		400	76
56-23-5	Carbon tetrachloride	9070		400	110
108-90-7	Chlorobenzene	8840		400	300
124-48-1	Dibromochloromethane	9050		400	130
75-00-3	Chloroethane	7720		400	130
67-66-3	Chloroform	9040		400	140
74-87-3	Chloromethane	8220		400	140
156-59-2	cis-1,2-Dichloroethene	19400		400	320
10061-01-5	cis-1,3-Dichloropropene	8770		400	140
110-82-7	Cyclohexane	9130		400	72
75-71-8	Dichlorodifluoromethane	7790		400	270
100-41-4	Ethylbenzene	8470		400	300
106-93-4	1,2-Dibromoethane	9070		400	290
98-82-8	Isopropylbenzene	8420		400	320

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1
 SDG No.: _____
 Client Sample ID: MW-5-ABR-082421 MSD Lab Sample ID: 480-188804-1 MSD
 Matrix: Water Lab File ID: N5433.D
 Analysis Method: 8260C Date Collected: 08/24/2021 10:41
 Sample wt/vol: 5 (mL) Date Analyzed: 08/28/2021 08:34
 Soil Aliquot Vol: _____ Dilution Factor: 400
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 594406 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	17100		1000	520
1634-04-4	Methyl tert-butyl ether	9650		400	64
108-87-2	Methylcyclohexane	8270		400	64
75-09-2	Methylene Chloride	9630		400	180
100-42-5	Styrene	8690		400	290
127-18-4	Tetrachloroethene	8290		400	140
108-88-3	Toluene	8320		400	200
156-60-5	trans-1,2-Dichloroethene	9560		400	360
10061-02-6	trans-1,3-Dichloropropene	7970		400	150
79-01-6	Trichloroethene	9650		400	180
75-69-4	Trichlorofluoromethane	8510		400	350
75-01-4	Vinyl chloride	8330		400	360
1330-20-7	Xylenes, Total	17400		800	260

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	109		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5433.D
 Lims ID: 480-188804-B-1 MSD
 Client ID: MW-5-ABR-082421
 Sample Type: MSD
 Inject. Date: 28-Aug-2021 08:34:30 ALS Bottle#: 32 Worklist Smp#: 32
 Purge Vol: 5.000 mL Dil. Factor: 400.0000
 Sample Info: 480-188804-B-1 MSD
 Misc. Info.: 480-0100657-032
 Operator ID: wd Instrument ID: HP5973N
 Method: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Aug-2021 11:07:06 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: CTX1656

First Level Reviewer: dahnw

Date: 30-Aug-2021 10:45:03

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	134928	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.405	8.406	-0.001	88	508816	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.796	10.796	0.000	94	284458	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr)	113	4.834	4.834	0.000	93	189030	25.0	27.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.138	5.139	-0.001	75	236863	25.0	26.6	
\$ 6 Toluene-d8 (Surr)	98	6.921	6.921	0.000	95	637608	25.0	25.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	9.658	9.659	-0.001	88	204735	25.0	26.3	
11 Dichlorodifluoromethane	85	1.275	1.275	-0.001	98	128151	25.0	19.5	Ma
13 Chloromethane	50	1.446	1.452	-0.006	99	324396	25.0	20.5	
14 Vinyl chloride	62	1.537	1.543	-0.006	97	210901	25.0	20.8	
15 Bromomethane	94	1.847	1.847	0.000	91	115272	25.0	21.0	
16 Chloroethane	64	1.926	1.933	-0.007	96	129307	25.0	19.3	
18 Trichlorofluoromethane	101	2.163	2.164	-0.001	96	211417	25.0	21.3	
21 112TCTFE	101	2.644	2.644	0.000	91	135784	25.0	22.8	
22 1,1-Dichloroethene	96	2.662	2.669	-0.007	93	140483	25.0	22.1	
23 Acetone	43	2.772	2.772	0.000	97	433515	125.0	98.6	
25 Carbon disulfide	76	2.857	2.869	-0.012	98	447218	25.0	22.7	
28 Methyl acetate	43	3.070	3.070	0.000	100	560729	50.0	42.9	
30 Methylene Chloride	84	3.167	3.192	-0.025	89	171470	25.0	24.1	
32 Methyl tert-butyl ether	73	3.380	3.380	0.000	96	571672	25.0	24.1	
33 trans-1,2-Dichloroethene	96	3.386	3.393	-0.007	90	170774	25.0	23.9	
36 1,1-Dichloroethane	63	3.812	3.806	0.006	96	377880	25.0	24.0	
43 cis-1,2-Dichloroethene	96	4.366	4.360	0.006	85	390235	25.0	48.4	
44 2-Butanone (MEK)	43	4.402	4.403	-0.001	96	804014	125.0	100.7	
50 Chloroform	83	4.682	4.676	0.006	95	290631	25.0	22.6	
51 1,1,1-Trichloroethane	97	4.786	4.786	0.000	96	237919	25.0	23.1	
52 Cyclohexane	56	4.792	4.792	0.000	93	426602	25.0	22.8	
53 Carbon tetrachloride	117	4.925	4.926	-0.001	95	216368	25.0	22.7	
55 Benzene	78	5.138	5.139	-0.001	91	644539	25.0	22.4	
57 1,2-Dichloroethane	62	5.211	5.212	-0.001	95	298171	25.0	22.7	
60 Trichloroethene	95	5.747	5.753	-0.006	92	168936	25.0	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83	5.868	5.869	-0.001	95	249127	25.0	20.7	
63 1,2-Dichloropropane	63	5.990	5.990	0.000	88	194895	25.0	22.1	
67 Dichlorobromomethane	83	6.282	6.282	0.000	95	213136	25.0	23.2	
71 cis-1,3-Dichloropropene	75	6.696	6.702	-0.006	85	248652	25.0	21.9	
72 4-Methyl-2-pentanone (MIBK)	58	6.848	6.848	0.000	98	573351	125.0	109.9	
73 Toluene	92	6.982	6.982	0.000	97	384639	25.0	20.8	
75 trans-1,3-Dichloropropene	75	7.268	7.268	0.000	93	217581	25.0	19.9	
78 1,1,2-Trichloroethane	83	7.456	7.456	0.000	95	108621	25.0	20.4	
79 Tetrachloroethene	166	7.517	7.511	0.006	96	155288	25.0	20.7	
82 2-Hexanone	43	7.687	7.688	-0.001	98	1109776	125.0	107.9	
83 Chlorodibromomethane	129	7.852	7.852	0.000	89	158259	25.0	22.6	
84 Ethylene Dibromide	107	7.955	7.955	0.000	99	149333	25.0	22.7	
85 Chlorobenzene	112	8.430	8.430	0.000	93	443176	25.0	22.1	
88 Ethylbenzene	91	8.527	8.521	0.006	98	713679	25.0	21.2	
90 m-Xylene & p-Xylene	106	8.642	8.643	-0.001	98	267937		20.8	
91 o-Xylene	106	9.074	9.075	-0.001	98	281008		22.7	
92 Styrene	104	9.105	9.105	0.000	93	461525	25.0	21.7	
93 Bromoform	173	9.354	9.355	-0.001	95	107115	25.0	21.6	
95 Isopropylbenzene	105	9.458	9.458	0.000	97	737738	25.0	21.1	
98 1,1,2,2-Tetrachloroethane	83	9.865	9.866	-0.001	94	208842	25.0	22.2	
110 1,3-Dichlorobenzene	146	10.729	10.729	0.000	98	362738	25.0	21.4	
113 1,4-Dichlorobenzene	146	10.820	10.821	-0.001	95	379607	25.0	21.8	
116 1,2-Dichlorobenzene	146	11.173	11.174	-0.001	97	380041	25.0	22.3	
117 1,2-Dibromo-3-Chloropropane	75	11.903	11.904	-0.001	79	45238	25.0	19.6	
119 1,2,4-Trichlorobenzene	180	12.579	12.579	0.000	93	278985	25.0	22.7	
S 126 Xylenes, Total	1				0			43.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00212

Amount Added: 12.50

Units: uL

GAS CORP mix_00469

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\20210827-100657.b\N5433.D

Injection Date: 28-Aug-2021 08:34:30

Instrument ID: HP5973N

Operator ID: wd

Lims ID: 480-188804-B-1 MSD

Worklist Smp#: 32

Client ID: MW-5-ABR-082421

Purge Vol: 5.000 mL

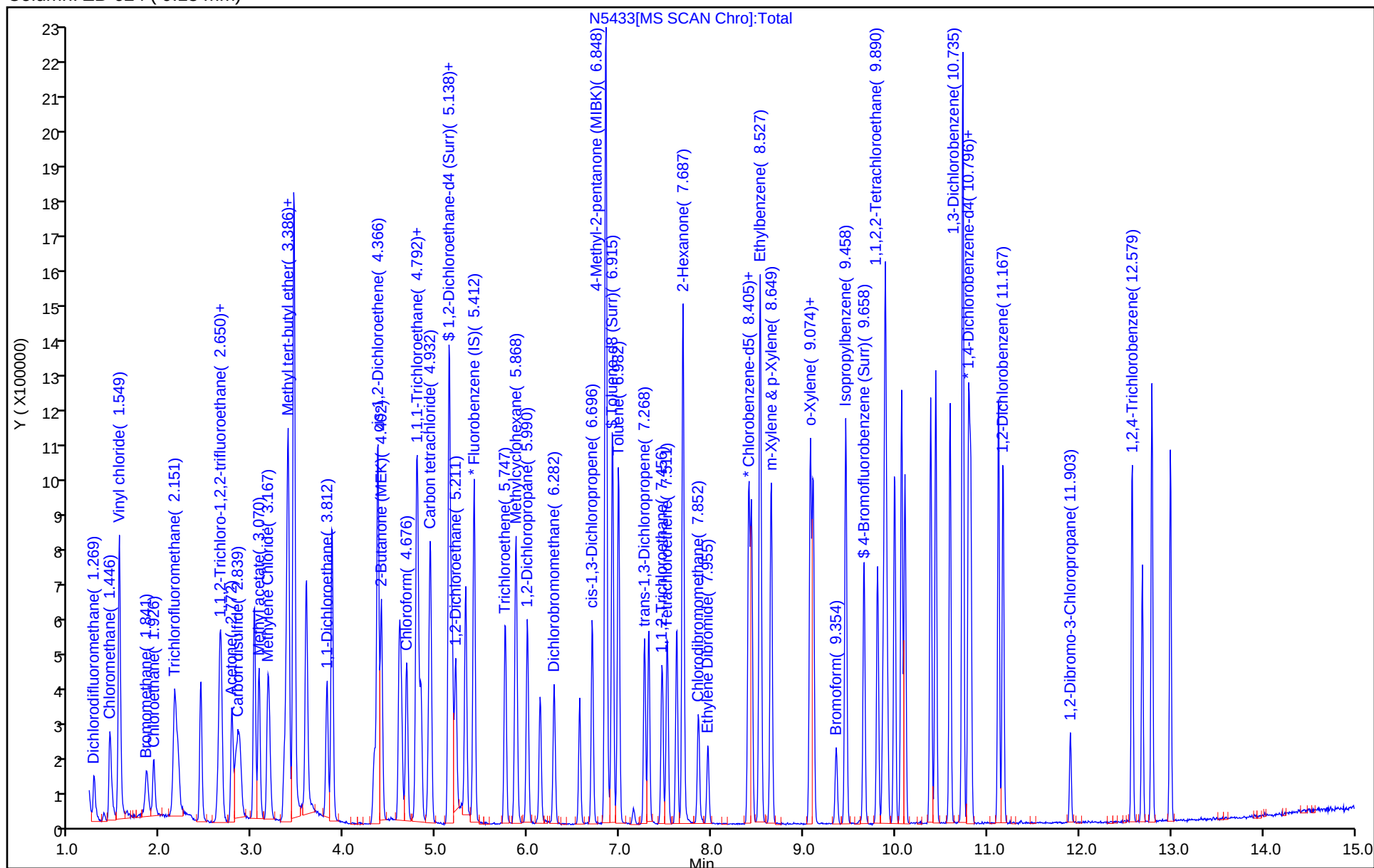
Dil. Factor: 400.0000

ALS Bottle#: 32

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

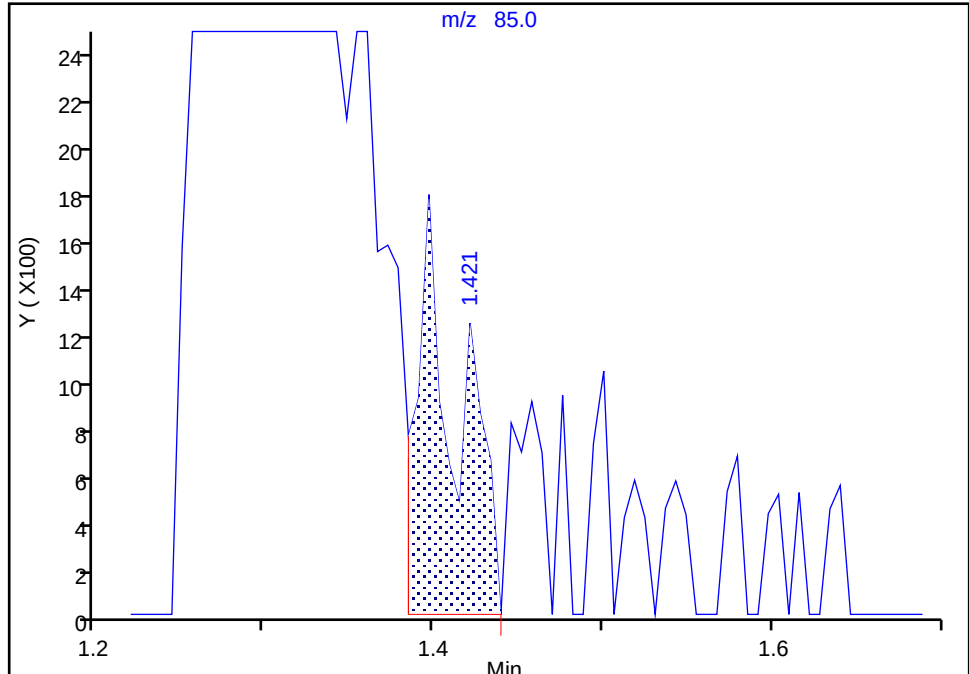
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210827-100657.b\N5433.D
Injection Date: 28-Aug-2021 08:34:30 Instrument ID: HP5973N
Lims ID: 480-188804-B-1 MSD
Client ID: MW-5-ABR-082421
Operator ID: wd ALS Bottle#: 32 Worklist Smp#: 32
Purge Vol: 5.000 mL Dil. Factor: 400.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

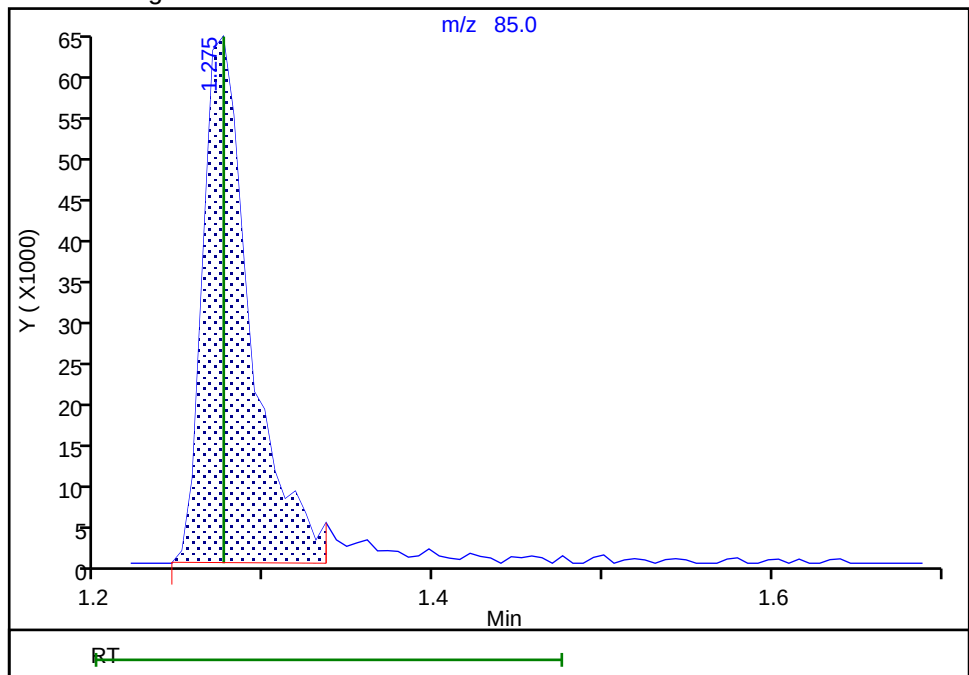
RT: 1.42
Area: 2974
Amount: 0.452031
Amount Units: ug/L

Processing Integration Results



RT: 1.28
Area: 128151
Amount: 19.478221
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 30-Aug-2021 11:07:04
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 324 of 333

08/31/2021

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-188804-1

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.: 480-188804-1

SDG No.:

Instrument ID: HP5973N

Start Date: 08/27/2021 21:22

Analysis Batch Number: 594406

End Date: 08/28/2021 08:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-594406/3		08/27/2021 21:22	1	N5404.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-594406/4		08/27/2021 21:45	1	N5405.D	ZB-624 (20) 0.18 (mm)
CCV 480-594406/5		08/27/2021 22:08	1		ZB-624 (20) 0.18 (mm)
LCS 480-594406/6		08/27/2021 22:31	1	N5407.D	ZB-624 (20) 0.18 (mm)
MB 480-594406/8		08/27/2021 23:18	1	N5409.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		08/27/2021 23:41	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		08/28/2021 00:05	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		08/28/2021 00:28	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		08/28/2021 00:51	40		ZB-624 (20) 0.18 (mm)
ZZZZZ		08/28/2021 01:14	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		08/28/2021 01:37	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		08/28/2021 02:01	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		08/28/2021 02:24	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		08/28/2021 02:47	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		08/28/2021 03:10	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		08/28/2021 03:33	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		08/28/2021 03:56	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		08/28/2021 04:19	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		08/28/2021 04:42	1		ZB-624 (20) 0.18 (mm)
480-188804-1	MW-5-ABR-082421	08/28/2021 05:05	400	N5424.D	ZB-624 (20) 0.18 (mm)
480-188804-2	MW-4BR-082421	08/28/2021 05:29	100	N5425.D	ZB-624 (20) 0.18 (mm)
480-188804-3	DUP-082421	08/28/2021 05:52	100	N5426.D	ZB-624 (20) 0.18 (mm)
480-188804-4	MW-3BR-082421	08/28/2021 06:15	200	N5427.D	ZB-624 (20) 0.18 (mm)
480-188804-5	MW-2BR-082421	08/28/2021 06:39	5	N5428.D	ZB-624 (20) 0.18 (mm)
480-188804-6	MW-5BR-082421	08/28/2021 07:02	125	N5429.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		08/28/2021 07:25	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		08/28/2021 07:48	1		ZB-624 (20) 0.18 (mm)
480-188804-1 MS	MW-5-ABR-082421 MS	08/28/2021 08:11	400	N5432.D	ZB-624 (20) 0.18 (mm)
480-188804-1 MSD	MW-5-ABR-082421 MSD	08/28/2021 08:34	400	N5433.D	ZB-624 (20) 0.18 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1

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

Page 1 of 2

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1

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.

8260C

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1

SDG No.: _____

Batch Number: 594406 Batch Start Date: 08/27/21 21:22 Batch Analyst: Dahn, William JBatch 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 00469
BFB 480-594406/3		8260C		1 uL	1 uL			1 uL	
CCVIS 480-594406/4		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-594406/6		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-594406/8		8260C		5 mL	5 mL				
480-188804-B-1	MW-5-ABR-082421	8260C	T	5 mL	5 mL	<2 SU			
480-188804-B-2	MW-4BR-082421	8260C	T	5 mL	5 mL	<2 SU			
480-188804-B-3	DUP-082421	8260C	T	5 mL	5 mL	<2 SU			
480-188804-B-4	MW-3BR-082421	8260C	T	5 mL	5 mL	<2 SU			
480-188804-B-5	MW-2BR-082421	8260C	T	5 mL	5 mL	<2 SU			
480-188804-B-6	MW-5BR-082421	8260C	T	5 mL	5 mL	<2 SU			
480-188804-B-1 MS	MW-5-ABR-082421	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-188804-B-1 MSD	MW-5-ABR-082421	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 480-594406/3		8260C							
CCVIS 480-594406/4		8260C		1 uL	1 uL				
LCS 480-594406/6		8260C		1 uL	1 uL				
MB 480-594406/8		8260C		1 uL	1 uL				
480-188804-B-1	MW-5-ABR-082421	8260C	T	1 uL	1 uL	TARGETS			
480-188804-B-2	MW-4BR-082421	8260C	T	1 uL	1 uL	TARGETS			
480-188804-B-3	DUP-082421	8260C	T	1 uL	1 uL	TARGETS			
480-188804-B-4	MW-3BR-082421	8260C	T	1 uL	1 uL	TARGETS			
480-188804-B-5	MW-2BR-082421	8260C	T	1 uL	1 uL	TARGETS			
480-188804-B-6	MW-5BR-082421	8260C	T	1 uL	1 uL	TARGETS			
480-188804-B-1 MS	MW-5-ABR-082421	8260C	T	1 uL	1 uL	CLIENT QC			

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

Page 1 of 2

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-188804-1

SDG No.: _____

Batch Number: 594406 Batch Start Date: 08/27/21 21:22 Batch Analyst: Dahn, William JBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	N 8260 IS 00218	N_8260_Surr 00420	AnalysisComment			
480-188804-B-1 MSD	MW-5-ABR-082421	8260C	T	1 uL	1 uL	CLIENT QC			

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: C&S Engineers, Inc.

Job Number: 480-188804-1

Login Number: 188804

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

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.	False	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	C+S
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

APPENDIX C

FIELD SAMPLING & MONITORING LOGS



C&S Engineers, Inc.
141 Elm Street
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454

Well Sampling Field Data Sheet

Well Casing Unit Volume

(gal/l.f.)

1 1/4" = 0.08 2" = 0.17 3" = 0.38

4" = 0.66 6" = 1.5 8" = 2.6

Client Name: Buffalo Business Park, Inc.

Site Name: Buffalo Business Park

Project No.: Y05.001.002

Field Staff: C. Martin

WELL DATA

Date		8/24/2021							
Well Number		MW-2BR							
Diameter (inches)		2							
Total Sounded Depth (feet)									
Static Water Level (feet)		4.2							
H ₂ O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)									
Amount Evacuated (gallons)									

FIELD READINGS

Date		8/24/2021							
Time	Stabilization Criteria	12:10	12:21	12:25	12:37				
Volume Extracted	gallons								
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	8.7	6.81	6.67	6.47				
Conductivity (mS/cm)	3%								
Turbidity (NTU)	10%	689	284	230	199				
D.O. (mg/L)	10%	1.23	0.83	0.94	2.37				
Temperature (°C) (°F)	3%	20.55	18.91	18.76	21.05				
ORP ³ (mV)	+/-10 mv	-104	-130	-117	-84				
Appearance		C	C	C	C				
Free Product (Yes/No)		N	N	N	N				
Odor		N	N	N	N				
Comments	Well went dry								

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid



C&S Engineers, Inc.
141 Elm Street
Buffalo, New York 14203
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Well Sampling Field Data Sheet

Well Casing Unit Volume

(gal/l.f.)

1 1/4" = 0.08 2" = 0.17 3" = 0.38

4" = 0.66 6" = 1.5 8" = 2.6

Client Name: Buffalo Business Park, Inc.

Site Name: Buffalo Business Park

Project No.: Y05.001.002

Field Staff: C. Martin

WELL DATA

Date		8/24/2021							
Well Number		MW-3BR							
Diameter (inches)		2							
Total Sounded Depth (feet)									
Static Water Level (feet)		6							
H ₂ O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)									
Amount Evacuated (gallons)									

FIELD READINGS

Date		8/24/2021							
Time	Stabilization Criteria	11:43	11:48	11:52					
Volume Extracted	gallons								
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	8.96	6.96	6.47					
Conductivity (mS/cm)	3%								
Turbidity (NTU)	10%	42	29.9	25					
D.O. (mg/L)	10%	1.24	0.83	0.78					
Temperature (°C) (°F)	3%	23.29	19.11	13.42					
ORP ³ (mV)	+/-10 mv	-97	-101	-118					
Appearance		C	C	C					
Free Product (Yes/No)		N	N	N					
Odor		N	N	N					
Comments									

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid



C&S Engineers, Inc.
141 Elm Street
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454

Well Sampling Field Data Sheet

Well Casing Unit Volume

(gal/l.f.)

1 1/4" = 0.08 2" = 0.17 3" = 0.38

4" = 0.66 6" = 1.5 8" = 2.6

Client Name: Buffalo Business Park, Inc.

Site Name: Buffalo Business Park

Project No.: Y05.001.002

Field Staff: C. Martin

WELL DATA

Date		8/24/2021							
Well Number		MW-4BR							
Diameter (inches)		2							
Total Sounded Depth (feet)									
Static Water Level (feet)		5.5							
H ₂ O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)									
Amount Evacuated (gallons)									

FIELD READINGS

Date		8/24/2021							
Time	Stabilization Criteria	11:16	11:22	11:29					
Volume Extracted	gallons								
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	9.02	6.54	6.37					
Conductivity (mS/cm)	3%								
Turbidity (NTU)	10%	0	0	0					
D.O. (mg/L)	10%	1.54	0.9	0.87					
Temperature (°C) (°F)	3%	22.02	19.14	19.39					
ORP ³ (mV)	+/-10 mv	-102	-89	-95					
Appearance		C	C	C					
Free Product (Yes/No)		N	N	N					
Odor		N	N	N					
Comments									

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid



C&S Engineers, Inc.
141 Elm Street
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454

Well Sampling Field Data Sheet

Well Casing Unit Volume

(gal/l.f.)

1 1/4" = 0.08 2" = 0.17 3" = 0.38

4" = 0.66 6" = 1.5 8" = 2.6

Client Name: Buffalo Business Park, Inc.

Site Name: Buffalo Business Park

Project No.: Y05.001.002

Field Staff: C. Martin

WELL DATA

Date		8/24/2021							
Well Number		MW-5ABR							
Diameter (inches)		2							
Total Sounded Depth (feet)									
Static Water Level (feet)		2.3							
H ₂ O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)									
Amount Evacuated (gallons)									

FIELD READINGS

Date	Stabilization	8/24/2021							
Time	Criteria	10:27	10:32	10:36	10:40				
Volume Extracted	gallons								
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	7.33	6.38	6.07	5.96				
Conductivity (mS/cm)	3%								
Turbidity (NTU)	10%	94	89	82	74				
D.O. (mg/L)	10%	1.38	1.12	1.05	1.01				
Temperature (°C) (°F)	3%	21.39	20.33	20.16	20.11				
ORP ³ (mV)	+/-10 mv	-127	-129	-134	-144				
Appearance		C	C	C	C				
Free Product (Yes/No)		N	N	N	N				
Odor		N	N	N	N				
Comments									

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid



C&S Engineers, Inc.
141 Elm Street
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454

Well Sampling Field Data Sheet

Well Casing Unit Volume

(gal/l.f.)

1 1/4" = 0.08 2" = 0.17 3" = 0.38

4" = 0.66 6" = 1.5 8" = 2.6

Client Name: Buffalo Business Park, Inc.

Site Name: Buffalo Business Park

Project No.: Y05.001.002

Field Staff: C. Martin

WELL DATA

Date		8/24/2021							
Well Number		MW-5ABR							
Diameter (inches)		2							
Total Sounded Depth (feet)									
Static Water Level (feet)		6.5							
H ₂ O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)									
Amount to Evacuate (gallons)									
Amount Evacuated (gallons)									

FIELD READINGS

Date	Stabilization	8/24/2021							
Time	Criteria	1:00	1:06						
Volume Extracted	gallons								
Static Water Level (feet)	NA								
pH (Std. Units)	+/-0.1	8.59	6.64						
Conductivity (mS/cm)	3%								
Turbidity (NTU)	10%	57.8	0						
D.O. (mg/L)	10%	1.45	0.76						
Temperature (°C) (°F)	3%	21.55	16.62						
ORP ³ (mV)	+/-10 mv	-132	-209						
Appearance		C	C						
Free Product (Yes/No)		N	N						
Odor		N	N						
Comments									

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

APPENDIX D

SUB-SLAB DEPRESSURIZATION
SYSTEM INSPECTION
CERTIFICATION



studio T3

2495 Main Street, Suite 301
Buffalo, NY 14214
phone: (716) 803-6400
fax: (716) 810-9504

October 5, 2021

Buffalo Business Park
ATTN: Gary Crewson
1800 Broadway, Bldg. 1D
Buffalo, New York 14212
Reference: **SSDS System Site Inspections**

Dear Mr. Crewson,

I completed an inspection of both sub-slab depressurization systems (SSDS) at the Buffalo Business Park in Buffalo, New York on Tuesday, October 5, 2021. The inspection results are summarized in the table below:

BUFFALO BUSINESS PARK SSDS INSPECTIONS - 10/5/2021						
ADDRESS	REFERENCE #	VACUUM	ELECTRIC POWER	PPING	DRAW	SUCTION
1800 BROADWAY - BLDG 1A	B-1	OPERATIONAL	ON	INTACT	SATISFACTORY	AUDIBLE
1800 BROADWAY - BLDG 1A	B-2	OPERATIONAL	ON	INTACT	SATISFACTORY	AUDIBLE

Based on the results both of the soil vapor extraction systems are functional and operating optimally.

Please do not hesitate to contact me with any questions regarding the above.


Andrew Terragnoli, P.E.



APPENDIX E

BSA DISCHARGE PERMIT RENEWAL SAMPLING

*Buffalo Business Park
1800 Broadway Avenue,
Bldg 1 D
Buffalo, New York*

January 28, 2021

Ms. Traserra Adams, J.D.
Legal Investigator
Industrial Waste Section
Buffalo Sewer Authority
Foot of Ferry Street
90 West Ferry Street
Buffalo, New York 14213-1799

RE: Buffalo Business Park Semi-Annual Self Monitoring Report; January 20, 2021

Ms. Adams:

Pursuant to guidelines described in the Buffalo Sewer Authority Permit #19-01.BU124, Buffalo Business Park (BBP) is providing this semi-annual self monitoring report which provides the analytical results of a post treatment system water (effluent) sample that was collected on January 8, 2021. In addition, a reading from the system totalizer is also provided.

Analytical Results

A post treatment water sample was collected on the morning of January 8, 2021 for laboratory analysis. The sample was subsequently hand delivered to Paradigm Labs for analysis as follows:

- USEPA Method 4500 for pH;
- USEPA Method 245.1 for mercury; and
- USEPA 624.1 for volatile organic compounds.

The pH of the sample was analyzed at 6.83.

Mercury was not detected (ND) in the water sample that was analyzed.

Three volatile organic compounds (tetrachloroethene, trans-1,2-dichloroethene and trichloroethene) were detected in the water sample at concentrations below Buffalo Sewer Authority limits for each respective compound. The laboratory analytical data package is attached as Appendix A.

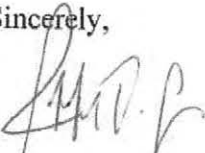
Volumetric Information

The totalizer coming into the onsite treat system was read on January 8, 2021 to provide volumetric information. The volume of groundwater treated since the start of treatment

operations was 641,353 gallons. The totalizer reading for the last reporting period (August, 2020) was 409660 gallons. Therefore, a total of 231,693 gallons of groundwater were treated and discharged to the BSA during this period. A photo of the totalizer reading is provided as Appendix B.

If you have any questions or need additional informational, please contact Jeff Crewson at (716) 474-1214 or myself at (716) 445-2105.

Sincerely,



Jeffrey Crewson

VP of Operations
Buffalo Business Park



Norman K. Wohlabaugh, PG, CPG

Geologist
Buffalo Business Park

CERTIFICATION STATEMENT

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Official: Jeffrey Crewson
Print Name

Title: VP of operations
Print

Signature: 

Date: 1-25-2021

TABLE 1: BUFFALO BUSINESS PARK TREATMENT SYSTEM RESULTS COMPARED TO BSA CRITERIA - January 2021		
POLLUTANT <u>ORGANICS</u>	LIMIT	Post Treatment Sample 7/20
	<i>mg/l</i>	<i>mg/l</i>
Mercury	0.0008	<0.0002
pH	<i>Not Listed</i>	6.83
	<i>mg/l</i>	<i>mg/l</i>
trans-1,2-Dichloroethene	0.285	0.0148
Tetrachloroethylene	0.267	0.262
Trichloroethene	0.712	0.574
ND: Not Detected (method detection limit) NA: Not analyzed per Method 624.1		
Discharge Limits	BSA Recommended Limits for Discharge	

APPENDIX A



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
Buffalo Business Park

For Lab Project ID

210117

Referencing

BSA Parameters

Prepared

Thursday, January 14, 2021

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, appearing to read "R. R. G. D. L.", is positioned above a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958



Lab Project ID: 210117

Client: **Buffalo Business Park**

Project Reference: BSA Parameters

Sample Identifier: BBP-BSA-01-21

Lab Sample ID: 210117-01

Date Sampled: 1/8/2021

Matrix: Water

Date Received: 1/8/2021

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.0002	mg/L		1/14/2021 08:58
Method Reference(s): EPA 245.1 Rev 3.0 (1994)				
Preparation Date: 1/13/2021				
Data File: Hg210114A				

pH

Analyte	Result	Units	Qualifier	Date Analyzed
pH	6.83 @ 19.6 C	S.U.		1/8/2021 16:59
Method Reference(s): SM22 4500 H+ B				

ELAP does not offer this test for approval as part of their laboratory certification program.

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 10.0	ug/L		1/13/2021 15:02
1,1,2,2-Tetrachloroethane	< 10.0	ug/L		1/13/2021 15:02
1,1,2-Trichloroethane	< 10.0	ug/L		1/13/2021 15:02
1,1-Dichloroethane	< 10.0	ug/L		1/13/2021 15:02
1,1-Dichloroethene	< 10.0	ug/L		1/13/2021 15:02
1,2-Dichlorobenzene	< 10.0	ug/L		1/13/2021 15:02
1,2-Dichloroethane	< 10.0	ug/L		1/13/2021 15:02
1,2-Dichloropropane	< 10.0	ug/L		1/13/2021 15:02
1,3-Dichlorobenzene	< 10.0	ug/L		1/13/2021 15:02
1,4-Dichlorobenzene	< 10.0	ug/L		1/13/2021 15:02
2-Chloroethyl vinyl Ether	< 50.0	ug/L		1/13/2021 15:02
Benzene	< 5.00	ug/L		1/13/2021 15:02
Bromodichloromethane	< 10.0	ug/L		1/13/2021 15:02
Bromoform	< 25.0	ug/L		1/13/2021 15:02
Bromomethane	< 10.0	ug/L		1/13/2021 15:02
Carbon Tetrachloride	< 10.0	ug/L		1/13/2021 15:02

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, January 14, 2021



Lab Project ID: 210117

Client: **Buffalo Business Park**

Project Reference: BSA Parameters

Sample Identifier: BBP-BSA-01-21

Lab Sample ID: 210117-01

Date Sampled: 1/8/2021

Matrix: Water

Date Received: 1/8/2021

Chlorobenzene	< 10.0	ug/L	1/13/2021 15:02
Chloroethane	< 10.0	ug/L	1/13/2021 15:02
Chloroform	< 10.0	ug/L	1/13/2021 15:02
Chloromethane	< 10.0	ug/L	1/13/2021 15:02
cis-1,3-Dichloropropene	< 10.0	ug/L	1/13/2021 15:02
Dibromochloromethane	< 10.0	ug/L	1/13/2021 15:02
Ethylbenzene	< 10.0	ug/L	1/13/2021 15:02
Methylene chloride	< 25.0	ug/L	1/13/2021 15:02
Tetrachloroethene	262	ug/L	1/13/2021 15:02
Toluene	< 10.0	ug/L	1/13/2021 15:02
trans-1,2-Dichloroethene	14.8	ug/L	1/13/2021 15:02
trans-1,3-Dichloropropene	< 10.0	ug/L	1/13/2021 15:02
Trichloroethene	574	ug/L	1/13/2021 15:02
Trichlorofluoromethane	< 10.0	ug/L	1/13/2021 15:02
Vinyl chloride	< 10.0	ug/L	1/13/2021 15:02

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	90.0	64 - 142		1/13/2021 15:02
4-Bromofluorobenzene	107	37.2 - 146		1/13/2021 15:02
Pentafluorobenzene	106	91.4 - 114		1/13/2021 15:02
Toluene-D8	104	73.1 - 120		1/13/2021 15:02

Method Reference(s): EPA 624.1

Data File: x75828.D

The analyte 2-Chloroethyl vinyl Ether does not recover from acid preserved VOA vials.



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, January 14, 2021



179 Lake Avenue, Rochester, NY 14608

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		LAB PROJECT ID	
CLIENT:	Buffalo Business Park	CLIENT:		210117	
ADDRESS:	1700 Broadway	ADDRESS:		Quotation #:	
CITY:	Buffalo	CITY:		Email:	
STATE:	NY	STATE:			
ZIP:		ZIP:			
PHONE:	716-445-2105	PHONE:			
ATTN:	N. White Bear	ATTN:			
Matrix Codes: AQ - Aqueous Liquid WA - Water DW - Drinking Water SO - Soil SD - Solid WP - Wipe OL - Oil NQ - Non-Aqueous Liquid WG - Groundwater WW - Wastewater SL - Sludge PT - Paint CK - Caulk AR - Air					

PROJECT REFERENCE

BSA Parameters

REQUESTED ANALYSIS														
DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX	CONTAINER	OF						REMARKS	PARADIGM LAB SAMPLE NUMBER
1/4	10:15		✓	BBP-BSA-01-21	WA	Z	X						>	01
"	"		✓	" " " "	WA	1	X							
"	"		✓	" " " "	"	1	X							

Turnaround Time		Report Supplements	
Availability contingent upon lab approval; additional fees may apply.			
Standard 5 day ☒	None Required ☐	None Required ☐	
10 day ☐	Batch QC ☐	Basic EDD ☐	
Rush 3 day ☐	Category A ☐	NYSDEC EDD ☐	
Rush 2 day ☐	Category B ☐		
Rush 1 day ☐			
Date Needed _____	Other ☐	Other EDD ☐	
please indicate date needed:	please indicate package needed:	please indicate EDD needed:	
_____	_____	_____	

Sampled By	M. W. L. 1/8/21	11:45	☐
Relinquished By	M. W. L. 1/8/21	11:45	
Received By	Brin 2nd 1/8/21	11:45	☐
Received @ Lab By	M. W. L. 1/8/21	1504	

4°C. ced 1/8/21 15:01

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

2082



Chain of Custody Supplement

Client: Buffalo Business Park Completed by: Molly Neil

Lab Project ID: 210117 Date: 1/8/21

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	☒	☐	☐
Comments			
Transferred to method-compliant container	☐	☐	☒
Headspace (<1 mL)	☒	☐	☒
Comments			
Preservation	☒	☐	☒
Comments			
Chlorine Absent (<0.10 ppm per test strip)	☒	☐	☒
Comments	VOA : Cl ⁻ neg.		
Holding Time	☒	☒	☐
Comments			
Temperature	☒	☐	☒
Comments	4°C iced		
Compliant Sample Quantity/Type	☒	☐	☐
Comments			

APPENDIX B

PULSAFEEDER®

06417

X100

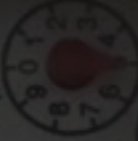
U.S. GALLONS



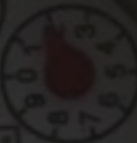
Multi Jet
Model PjGE

1" 122°F

X10



X1



X0.1



X0.1



*Buffalo Business Park
1800 Broadway Avenue,
Bldg 1 D
Buffalo, New York*

August 9, 2021

Ms. Traserra Adams, J.D.
Legal Investigator
Industrial Waste Section
Buffalo Sewer Authority
Foot of Ferry Street
90 West Ferry Street
Buffalo, New York 14213-1799

RE: Buffalo Business Park Semi-Annual Self Monitoring Report; August 9, 2021

Ms. Adams:

Pursuant to guidelines described in the Buffalo Sewer Authority Permit #19-01.BU124, Buffalo Business Park (BBP) is providing this semi-annual self monitoring report which provides the analytical results of a post treatment system water (effluent) sample that was collected on July 14, 2021. In addition, a reading from the system totalizer is also provided.

Treatment System Carbon Change Out

The spent carbon in the 500 gallon treatment canister was removed and replaced with new activated carbon on May 27, 2021. The spent carbon was tested and disposed of as hazardous waste.

Analytical Results

A post treatment water sample was collected on the morning of July 14, 2021 for laboratory analysis. The sample was subsequently hand delivered to Paradigm Labs for analysis as follows:

- USEPA Method 4500 for pH;
- USEPA Method 245.1 for mercury; and
- USEPA 624.1 for volatile organic compounds.

The pH of the sample was analyzed at 7.02.

Mercury was not detected (ND) in the water sample that was analyzed.

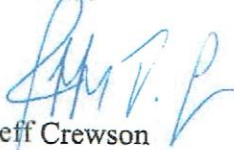
There were no volatile organic compounds (VOCs) detected in the water sample collected from the treatment system above the detection limit. Table 1 provides a summary of key compounds historically detected in groundwater at the site. The laboratory analytical data package is attached as Appendix A.

Volumetric Information

The totalizer coming into the onsite treat system was read on July 21, 2021 to provide volumetric information. The volume of groundwater treated since the start of treatment operations was 897,700 gallons. The totalizer reading for the last reporting period (January, 2021) was 641,353 gallons. Therefore, a total of 256,347 gallons of groundwater were treated and discharged to the BSA during this period. A photo of the totalizer reading is provided as Appendix B.

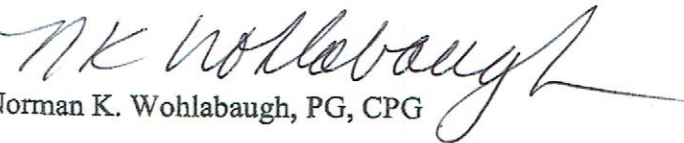
If you have any questions or need additional informational, please contact Jeff Crewson at (716) 867-2369 or myself at (716) 445-2105.

Sincerely,



Jeff Crewson

Vice President of Operations
Buffalo Business Park



Norman K. Wohlabaugh, PG, CPG

Geologist
Buffalo Business Park

**TABLE 1: BUFFALO BUSINESS PARK
TREATMENT SYSTEM RESULTS COMPARED TO BSA CRITERIA -
AUGUST 2021**

POLLUTANT <u><i>ORGANICS</i></u>	LIMIT	Post Treatment Sample 7/20
	<i>mg/l</i>	<i>mg/l</i>
Mercury	0.0008	<0.0002
pH	<i>Not Listed</i>	7.02
	<i>mg/l</i>	<i>mg/l</i>
trans-1,2-Dichloroethene	0.285	<0.002
Tetrachloroethylene	0.267	<0.002
Trichloroethene	0.712	<0.002
ND: Not Detected (method detection limit)		
NA: Not analyzed per Method 624.1		
Discharge Limits	BSA Recommended Limits for Discharge	

CERTIFICATION STATEMENT

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Official: Jeffrey Crewson
Print Name

Title: VP of Operations
Print

Signature: 

Date: 8/9/21

APPENDIX A

LABORATORY ANALYTICAL PACKAGE



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
Buffalo Business Park

For Lab Project ID

213150

Referencing

BSA System Test

Prepared

Wednesday, July 21, 2021

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, appearing to read "R. R. Gail", is positioned above a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958



Lab Project ID: 213150

Client: **Buffalo Business Park**

Project Reference: BSA System Test

Sample Identifier: BSA 7-21

Lab Sample ID: 213150-01

Date Sampled: 7/14/2021

Matrix: Groundwater

Date Received: 7/15/2021

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.000200	mg/L		7/19/2021 09:07
Method Reference(s): EPA 245.1 Rev 3.0 (1994)				
Preparation Date: 7/16/2021				
Data File: Hg210719A				

pH

Analyte	Result	Units	Qualifier	Date Analyzed
pH	7.02 @ 23.8 C	S.U.		7/15/2021 13:07
Method Reference(s): EPA 9040				

ELAP does not offer this test for approval as part of their laboratory certification program.

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		7/21/2021 13:26
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		7/21/2021 13:26
1,1,2-Trichloroethane	< 2.00	ug/L		7/21/2021 13:26
1,1-Dichloroethane	< 2.00	ug/L		7/21/2021 13:26
1,1-Dichloroethene	< 2.00	ug/L		7/21/2021 13:26
1,2-Dichlorobenzene	< 2.00	ug/L		7/21/2021 13:26
1,2-Dichloroethane	< 2.00	ug/L		7/21/2021 13:26
1,2-Dichloropropane	< 2.00	ug/L		7/21/2021 13:26
1,3-Dichlorobenzene	< 2.00	ug/L		7/21/2021 13:26
1,4-Dichlorobenzene	< 2.00	ug/L		7/21/2021 13:26
2-Chloroethyl vinyl Ether	< 5.00	ug/L		7/21/2021 13:26
Benzene	< 1.00	ug/L		7/21/2021 13:26
Bromodichloromethane	< 2.00	ug/L		7/21/2021 13:26
Bromoform	< 5.00	ug/L		7/21/2021 13:26
Bromomethane	< 2.00	ug/L		7/21/2021 13:26
Carbon Tetrachloride	< 2.00	ug/L		7/21/2021 13:26

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Report Prepared Wednesday, July 21, 2021



Lab Project ID: 213150

Client: **Buffalo Business Park**

Project Reference: BSA System Test

Sample Identifier: BSA 7-21

Lab Sample ID: 213150-01

Date Sampled: 7/14/2021

Matrix: Groundwater

Date Received: 7/15/2021

Chlorobenzene	< 2.00	ug/L	7/21/2021 13:26
Chloroethane	< 2.00	ug/L	7/21/2021 13:26
Chloroform	< 2.00	ug/L	7/21/2021 13:26
Chloromethane	< 2.00	ug/L	7/21/2021 13:26
cis-1,3-Dichloropropene	< 2.00	ug/L	7/21/2021 13:26
Dibromochloromethane	< 2.00	ug/L	7/21/2021 13:26
Ethylbenzene	< 2.00	ug/L	7/21/2021 13:26
Methylene chloride	< 5.00	ug/L	7/21/2021 13:26
Tetrachloroethene	< 2.00	ug/L	7/21/2021 13:26
Toluene	< 2.00	ug/L	7/21/2021 13:26
trans-1,2-Dichloroethene	< 2.00	ug/L	7/21/2021 13:26
trans-1,3-Dichloropropene	< 2.00	ug/L	7/21/2021 13:26
Trichloroethene	< 2.00	ug/L	7/21/2021 13:26
Trichlorofluoromethane	< 2.00	ug/L	7/21/2021 13:26
Vinyl chloride	< 2.00	ug/L	7/21/2021 13:26

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	98.5	83 - 120		7/21/2021 13:26
4-Bromofluorobenzene	112	65.5 - 118		7/21/2021 13:26
Pentafluorobenzene	93.8	91.2 - 109		7/21/2021 13:26
Toluene-D8	80.9	79.7 - 112		7/21/2021 13:26

Method Reference(s): EPA 624.1

Data File: z03092.D

The analyte 2-Chloroethyl vinyl Ether does not recover from acid preserved VOA vials.



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Wednesday, July 21, 2021



Turnaround Time		Report Supplements	
Availability contingent upon lab approval; additional fees may apply.			
Standard 5 day	☒	None Required	☐
10 day	☐	Batch QC	☐
Rush 3 day	☐	Category A	☐
Rush 2 day	☐	Category B	☐
Rush 1 day	☐		
Date Needed _____		Other ☐	Other EDD ☐
please indicate date needed:		please indicate package needed:	please indicate EDD needed :
_____		_____	_____

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

2082



Chain of Custody Supplement

Client: Buffalo Business Park Completed by: Molykail
 Lab Project ID: 213150 Date: 7/15/21

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	Yes	No	N/A
Container Type	☒	☐	☐
Comments			
Transferred to method-compliant container	☐	☐	☒
Headspace (<1 mL)	☒ VOA	☐	☒ PK N5
Comments			
Preservation	☒ VOA	☒ Hg	☒ PK
Comments	<u>added 1mL of HNO₃ to metals to pH < 2</u>		
Chlorine Absent (<0.10 ppm per test strip)	☒	☐	☒
Comments	<u>VOA: Cl⁻ neg.</u>		
Holding Time	☒	☒ PK	☐
Comments			
Temperature	☒	☐	☒ met PK
Comments	<u>4°C cool</u>		
Compliant Sample Quantity/Type	☒	☐	☐
Comments			

APPENDIX B

PHOTOGRAPH OF SYSTEM TOTALIZER

 **PULSAFEEDER®**



NWH
Multi Jet
Model PME
1"

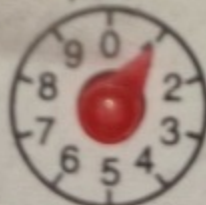
122°F

x0.01

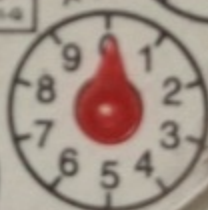


Certified
NSF/ANSI 61-G

x0.1



x1

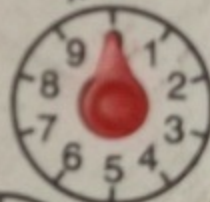


X100

0 8 9 7 7

U.S. GALLONS

x10



Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYR000250811		2. Page 1 of 1		3. Emergency Response Phone (800) 424-9300		4. Manifest Tracking Number 023119670 JJK			
		5. Generator's Name and Mailing Address BUFFALO BUSINESS PARK, INC. 1800 BROADWAY BUFFALO, NY 14211 Generator's Phone: (000) 000-0000		Generator's Site Address (if different than mailing address)							
6. Transporter 1 Company Name ROSS TRANSPORTATION SERVICES, INC.		U.S. EPA ID Number OHD980614374									
7. Transporter 2 Company Name		U.S. EPA ID Number									
8. Designated Facility Name and Site Address ROSS INCINERATION SERVICES, INC. 36790 GILES ROAD GRAFTON, OH 44044 Facility's Phone: (440) 748-5800		U.S. EPA ID Number OHD048415665									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		1. INAS077, HAZARDOUS WASTE, SOLID, N.O.S., (TETRACHLOROETHENE, TRICHLOROETHENE), 9, PG III				No. 003	Type DM	1100	P	D039 D040	B
		2.									
		3.									
		4.									
14. Special Handling Instructions and Additional Information 1. WPS# 150453 ERGN 171 SG 1.00											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Officer's Printed/Typed Name: <u>Steven Malachowski</u> Signature: <u>[Signature]</u> Month: <u>7</u> Day: <u>15</u> Year: <u>21</u>											
TRANSPORTER	16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____										
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: <u>Diane Asmus</u> Signature: <u>[Signature]</u> Month: <u>7</u> Day: <u>15</u> Year: <u>21</u> Transporter 2 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____										
DESIGNATED FACILITY	18. Discrepancy										
	18a. Discrepancy Indication Spec ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection										
	Manifest Reference Number: _____										
	18b. Alternate Facility (or Generator) U.S. EPA ID Number: _____										
	Facility's Phone: _____										
18c. Signature of Alternate Facility (or Generator) _____ Month: _____ Day: _____ Year: _____											
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
1. _____ 2. _____ 3. _____ 4. _____											
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____											

Page 1 OF 2
Revised 01/99
Manifest #
Shipper #
U.S. EPA ID#

Page 1 OF 2
Revised 01/99
Manifest # 02311 8670 JJH
Shipper # _____
U.S. EPA ID# NYR000250811

- ```
* *****
* *
* UNDERLYING HAZARDOUS CONSTITUENTS *
* *
* Aldicarb sulfone HxCDDs (All Hexachlorodibenzo-p-dioxins) Physostigmine *
* Barban HxCDFs (All Hexachlorodibenzofurans) Physostigmine salicylate *
* Butylate 3-Iodo-2-propynyl n-butylcarbamate Promecarb *
* Carbofuran phenol Methiocarb Propham *
* Carbosulfan Methomyl Prosulfocarb *
* m-Cumenyl methylcarbamate Metolcarb TCDDs (All Tetrachlorodibenzo-p-dioxins) *
* Cycloate Mexacarbate TCDFs (All Tetrachlorodibenzofurans) *
* EPTC Molinate Thiophanate-methyl *
* Formetanate hydrochloride Oxamyl 2,4,6-Tribromophenol *
* Pebulate Triethylamine *
* PeCDDs (All Pentachlorodibenzo-p-dioxins) tris-(2,3-Dibromopropyl) phosphate *
* PeCDFs (All Pentachlorodibenzofurans) Vernolate *
* Mercury-NWW from Retort *
* *
* *
* *
* *
* *
* (X) THE ABOVE UNDERLYING HAZARDOUS CONSTITUENTS ARE NOT "REASONABLY EXPECTED" TO BE PRESENT IN THE WASTE
* PRODUCT SURVEYS LISTED IN WASTES SUBJECT TO TREATMENT.
* *
* *
* ROSS INCINERATION SERVICES, INC. CANNOT ACCEPT WASTE WITH THESE UNDERLYING HAZARDOUS CONSTITUENTS WITHOUT
* SPECIAL APPROVALS. PLEASE CONTACT YOUR ACCOUNT REPRESENTATIVE IF APPROVALS ARE NEEDED.
* *****
```

| Treatability |                                              | Nonwastewater (NWW)         | Wastewater (WW) |
|--------------|----------------------------------------------|-----------------------------|-----------------|
| WPS #        | Group EPA Codes & Subcategory(if applicable) | Are UHC's or RHC's present? | Generator Code  |
| 150453       | NWW D039 D040                                | YES NO                      |                 |

Date 7/3/21  
Title Property Manager

It is the generator's responsibility under 40 CFR 268/OAC3745-270 to ensure that appropriate notifications accompany each shipment of waste as required. RIS makes no representations to the accuracy of this form and recommends that the generator independently verify notification requirements for the waste streams.



Manifest:

WPS#: 150453

Page \_\_\_ of \_\_\_

SPENT ACTIVATED CARBON

INSTRUCTIONS: This page needs completion only if "YES" is indicated under Wastes Subject to Treatment section.

Indicate with an "X" any Underlying Hazardous Constituent reasonably expected to be present in this Waste.

| Constituents by<br>Chemical Name            | WW<br>Conc. | NWW<br>Conc. | Constituents by<br>Chemical Name         | WW<br>Conc. | NWW<br>Conc. | Constituents by<br>Chemical Name               | WW<br>Conc. | NWW<br>Conc. |
|---------------------------------------------|-------------|--------------|------------------------------------------|-------------|--------------|------------------------------------------------|-------------|--------------|
| Acenaphthene                                | 0.059       | 3.4          | 1,1-Dichloroethylene                     | 0.025       | 6.0          | o-Nitroaniline                                 | 0.27        | 14           |
| Acenaphthylene                              | 0.059       | 3.4          | trans-1,2-Dichloro-<br>ethylene          | 0.054       | 30           | p-Nitroaniline                                 | 0.028       | 28           |
| Acetone *                                   | 0.28        | 160          | 2,4-Dichlorophenol                       | 0.044       | 14           | Nitrobenzene*                                  | 0.068       | 14           |
| Acetonitrile                                | 5.6         | 38           | 2,6-Dichlorophenol                       | 0.044       | 14           | 5-Nitro-0-toluidine                            | 0.32        | 28           |
| Acetophenone                                | 0.010       | 9.7          | 2,4-D(2,4-Dichlo-<br>rophenoxycetic Acid | 0.72        | 10           | o-Nitrophenol                                  | 0.028       | 13           |
| 2-Acetylaminofluorene                       | 0.059       | 140          | p,p'-DDD                                 | 0.023       | 0.087        | p-Nitrophenol                                  | 0.12        | 29           |
| Acrolein                                    | 0.29        | NA           | p,p'-DDE                                 | 0.031       | 0.087        | N-Nitrosodiethylamine                          | 0.40        | 28           |
| Acrylamide                                  | 19          | 23           | p,p'-DDT                                 | 0.0039      | 0.087        | N-Nitrosodimethylamine                         | 0.40        | 2.3          |
| Acrylonitrile                               | 0.24        | 84           | 1,2-Dichloropropane                      | 0.85        | 18           | N-Nitroso-Di-N-Butyl-<br>amine                 | 0.40        | 17           |
| Aldrin                                      | 0.021       | 0.066        | cis-1,3-Dichloro-<br>propylene           | 0.036       | 18           | N-Nitrosomethyl-<br>ethylamine                 | 0.40        | 2.3          |
| 4-Aminobiphenyl                             | 0.13        | NA           | trans-1,3-Dichloro-<br>propylene         | 0.036       | 18           | N-Nitrosomorpholine                            | 0.013       | 35           |
| Aniline                                     | 0.81        | 14           | Diethrin                                 | 0.017       | 0.13         | N-Nitrosopiperidine                            | 0.013       | 35           |
| Anthracene                                  | 0.059       | 3.4          | Diethyl Phthalate                        | 0.20        | 28           | N-Nitrosopyrrolidine                           | 0.014       | 4.6          |
| Aramite                                     | 0.36        | NA           | p-Dimethylaminoazo-<br>benzene           | 0.13        | NA           | Parathion                                      | 0.10        | 10           |
| Bendiocarb                                  | 0.056       | 1.4          | 2,4-Dimethyl Phenol                      | 0.036       | 14           | Total PCB's                                    | 0.055       | 10           |
| Benomyl                                     | 0.056       | 1.4          | Dimethyl Phthalate                       | 0.047       | 28           | Pentachlorobenzene                             | 0.055       | 6.0          |
| Benz(a)Anthracene                           | 0.059       | 3.4          | Di-N-Butyl Phthalate                     | 0.057       | 28           | Pentachloroethane                              | 0.055       | 4.8          |
| Benhal chloride                             | 0.055       | 6.0          | 1,4-Dinitrobenzene                       | 0.32        | 2.3          | Pentachloronitrobenzene                        | 0.089       | 7.4          |
| Benzene *                                   | 0.14        | 10           | 4,6-Dinitro-O-Cresol                     | 0.28        | 160          | Phenacetin                                     | 0.081       | 16           |
| Benzo(b)-fluoranthene                       | 0.11        | 6.8          | 2,4-Dinitrophenol                        | 0.12        | 160          | Phenanthrene                                   | 0.059       | 5.6          |
| Benzo(k)-fluoranthene                       | 0.11        | 6.8          | 2,4-Dinitrotoluene                       | 0.32        | 140          | Phenol                                         | 0.039       | 6.2          |
| Benzo(g,h,i)perylene                        | 0.0055      | 1.8          | 2,6-Dinitrotoluene                       | 0.55        | 28           | Phorate                                        | 0.021       | 4.6          |
| Benzo(a)pyrene                              | 0.061       | 3.4          | Di-N-Octyl Phthalate                     | 0.017       | 28           | Phthalic acid                                  | 0.055       | 28           |
| alpha-BHC                                   | 0.00014     | 0.066        | Di-N-Propylnitrosamine                   | 0.40        | 14           | Phthalic anhydride                             | 0.055       | 28           |
| beta-BHC                                    | 0.00014     | 0.066        | 1,4-Dioxane                              | 12.0        | 170          | Pronamide                                      | 0.093       | 1.5          |
| delta-BHC                                   | 0.023       | 0.066        | Diphenylamine                            | 0.92        | 13           | Propoxur                                       | 0.056       | 1.4          |
| gamma-BHC                                   | 0.0017      | 0.066        | Diphenylnitrosamine                      | 0.92        | 13           | Pyrene                                         | 0.067       | 8.2          |
| Bromodichloromethane                        | 0.35        | 15           | 1,2-Diphenylhydrazine                    | 0.087       | NA           | Pyridine*                                      | 0.014       | 16           |
| Methyl bromide-<br>(Bromomethane)           | 0.11        | 15           | Disulfoton                               | 0.017       | 6.2          | Safrole                                        | 0.081       | 22           |
| 4-Bromophenyl Phenyl Ether                  | 0.055       | 15           | Dithiocarbamates (total)                 | 0.028       | 28           | Silvex (2,4,5-TP)                              | 0.72        | 7.9          |
| N-Butyl alcohol*                            | 5.6         | 2.6          | Endosulfan I                             | 0.023       | 0.066        | 1,2,4,5-Tetrachloro-<br>benzene                | 0.055       | 14           |
| Butyl benzyl phthalate                      | 0.017       | 28           | Endosulfan II                            | 0.029       | 0.13         | 1,1,1,2-Tetrachloroethane                      | 0.057       | 6.0          |
| 2-sec-Butyl-4,6<br>dinitrophenol (Dinoseb)  | 0.066       | 2.5          | Endosulfan sulfate                       | 0.029       | 0.13         | 1,1,2,2-Tetrachloroethane                      | 0.057       | 6.0          |
| Carbaryl                                    | 0.006       | 0.14         | Endrin                                   | 0.028       | 0.13         | Tetrachloroethylene*                           | 0.056       | 6.0          |
| Carbenzadim                                 | 0.056       | 1.4          | Endrin aldehyde                          | 0.025       | 0.13         | 2,3,4,6-Tetrachlorophenol                      | 0.030       | 7.4          |
| Carbofuran                                  | 0.006       | 0.14         | Ethyl acetate*                           | 0.34        | 33           | Thiodicarb                                     | 0.019       | 1.4          |
| Carbon disulfide*                           | 3.8         | 4.8mg/l      | Ethyl benzene*                           | 0.057       | 10           | Toluene*                                       | 0.080       | 10           |
| Carbon tetrachloride*                       | 0.057       | 6.0          | Ethyl cyanide                            | 0.24        | 360          | Toxaphene                                      | 0.0095      | 2.6          |
| Chlordane (alpha-<br>and gamma isomers)     | 0.0033      | 0.26         | (Propanenitrile)                         | 0.12        | 160          | Triallate                                      | 0.042       | 1.4          |
| p-Chloroaniline                             | 0.46        | 16           | Ethyl ether*                             | 0.14        | 160          | Bromoform (tribromo-<br>methane                | 0.63        | 15           |
| Chlorobenzene*                              | 0.057       | 6.0          | Ethyl methacrylate                       | 0.14        | 160          | 1,2,4-Trichlorobenzene                         | 0.055       | 19           |
| Chlorobenzilate                             | 0.10        | NA           | Ethylene oxide                           | 0.12        | NA           | 1,1,1-Trichloroethane*                         | 0.054       | 6.0          |
| 2-Chloro-1,3 butadiene                      | 0.057       | 0.28         | bis (2-Ethylhexyl)<br>Phthalate          | 0.28        | 28           | 1,1,2-Trichloroethane*                         | 0.054       | 6.0          |
| Chlorodibromomethane                        | 0.057       | 15           | Famphur                                  | 0.017       | 15           | Trichloroethylene*                             | 0.054       | 6.0          |
| Chloroethane                                | 0.27        | 6.0          | Fluoranthene                             | 0.068       | 3.4          | Trichloromono-fluoro-<br>methane*              | 0.020       | 30           |
| bis (2-Chloro-<br>ethoxy) methane           | 0.036       | 7.2          | Fluorene                                 | 0.059       | 3.4          | 2,4,5-Trichlorophenol                          | 0.18        | 7.4          |
| bis (2-Chloroethyl) ether                   | 0.033       | 6.0          | Heptachlor                               | 0.0012      | 0.066        | 2,4,6-Trichlorophenol                          | 0.035       | 7.4          |
| 2-Chloroethyl vinyl ether                   | 0.062       | NA           | Heptachlor epoxide                       | 0.016       | 0.066        | 2,4,5-T(2,4,5-Trichloro-<br>phenoxycetic acid) | 0.72        | 7.9          |
| Chloroform                                  | 0.046       | 6.0          | Hexachlorobenzene                        | 0.055       | 10           | 1,2,3-Trichloropropane                         | 0.85        | 30           |
| bis (2-Chloro-<br>isopropyl) ether          | 0.055       | 7.2          | Hexachlorobutadiene                      | 0.055       | 5.6          | 1,1,2-Trichloro-1,2,2-<br>trifluoroethane*     | 0.057       | 30           |
| p-Chloro-m-cresol                           | 0.018       | 14           | Hexachlorocyclo-<br>pentadiene           | 0.057       | 2.4          | Vinyl chloride                                 | 0.27        | 6.0          |
| Chloromethane                               | 0.19        | 30           | Hexachloroethane                         | 0.055       | 30           | Xylenes-Mixed Isomers<br>(*Sum of o,m,& p)*    | 0.32        | 30           |
| (Methyl Chloride)                           |             |              | Hexachloropropylene                      | 0.035       | 30           | Antimony                                       | 1.9         | 1.15mg/l     |
| 2-Chloronaphthalene                         | 0.055       | 5.6          | Indeno (1,2,3-c,d)<br>Pyrene             | 0.0055      | 3.4          | Arsenic                                        | 1.4         | 5.0mg/l      |
| 2-Chlorophenol                              | 0.044       | 5.7          | Iodomethane                              | 0.19        | 65           | Barium                                         | 1.2         | 21.0mg/l     |
| 3-Chloropropylene                           | 0.036       | 30           | Isobutyl alcohol*                        | 5.6         | 170          | Beryllium                                      | 0.82        | 1.22mg/l     |
| Chrysene                                    | 0.059       | 3.4          | Isodrin                                  | 0.021       | 0.066        | Cadmium                                        | 0.69        | 0.11mg/l     |
| o-Cresol*                                   | 0.11        | 5.6          | Isosafrole                               | 0.081       | 2.6          | Chromium (Total)                               | 2.77        | 0.60mg/l     |
| m-Cresol*                                   | 0.77        | 5.6          | Kepone                                   | 0.0011      | 0.13         | Cyanides (Total)                               | 1.2         | 590          |
| p-Cresol*                                   | 0.77        | 5.6          | Methacrylonitrile                        | 0.24        | 84           | Cyanides (Amenable)                            | 0.86        | 30           |
| Cyclohexanone*                              | 0.36        | 0.75mg/l     | Methanol*                                | 5.6         | 0.75mg/l     | Fluoride (Not UHC)                             | 35          | NA           |
| o,p'-DDD                                    | 0.023       | 0.087        | Methapyrene                              | 0.081       | 1.5          | Lead                                           | 0.69        | 0.75mg/l     |
| o,p'-DDE                                    | 0.031       | 0.087        | Methoxychlor                             | 0.25        | 0.18         | Mercury-All Others                             | 0.15        | 0.025mg/l    |
| o,p'-DDT                                    | 0.0039      | 0.087        | Methyl ethyl ketone*                     | 0.28        | 36           | Nickel                                         | 3.98        | 11.0mg/l     |
| Dibenz (a,h) Anthracene                     | 0.055       | 8.2          | Methyl isobutyl ketone*                  | 0.14        | 33           | Selenium                                       | 0.82        | 5.7mg/l      |
| Dibenz (a,e) pyrene                         | 0.061       | NA           | Methyl methacrylate                      | 0.14        | 160          | Silver                                         | 0.43        | 0.14mg/l     |
| 1,2-Dibromo-3-<br>chloropropane             | 0.11        | 15           | Methyl methansulfonate                   | 0.018       | NA           | Sulfide                                        | 14          | NA           |
| Ethylene dibromide -<br>(1,2-Dibromoethane) | 0.028       | 15           | Methyl parathion                         | 0.014       | 4.6          | Thallium                                       | 1.4         | 0.20mg/l     |
| Dibromomethane                              | 0.11        | 15           | 3-Methylcholanthrene                     | 0.0055      | 15           | Vanadium (Not UHC)                             | 4.3         | 1.6mg/l      |
| m-Dichlorobenzene                           | 0.036       | 6.0          | 4,4-Methylene Bis-<br>(2-chloroaniline)  | 0.50        | 30           | Zinc (Not UHC)                                 | 2.61        | 4.3mg/l      |
| o-Dichlorobenzene*                          | 0.088       | 6.0          | Methylene chloride*                      | 0.089       | 30           |                                                |             |              |
| p-Dichlorobenzene                           | 0.090       | 6.0          | Naphthalene                              | 0.059       | 5.6          |                                                |             |              |
| Dichlorodifluoromethane                     | 0.23        | 7.2          | 2-Naphthylamine                          | 0.52        | NA           |                                                |             |              |
| 1,1-Dichloroethane                          | 0.059       | 6.0          |                                          |             |              |                                                |             |              |
| 1,2-Dichloroethane                          | 0.21        | 6.0          |                                          |             |              |                                                |             |              |

Regulated Hazardous Constituents for F001-F005 are indicated with (\*)