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Subject:
2019 Annual Groundwater Sampling Report
Von Roll Isola USA, Inc. (Riverview) Site
Rotterdam, New York
Site No.: 447005

ENVIRONMENT

Date:
July 24, 2019

Dear Ms. Curley:

Contact:
Doug Weeks

Attached for your review is the 2019 Annual Groundwater Sampling Report for the Von Roll Isola USA, Inc. property (formerly General Electric Company (GE) Riverview Plant) in Rotterdam, New York [NYSDEC Site No. 447005]. Additionally, the laboratory analytical data are being submitted to NYSDEC electronically via EQUIS. Should you have any questions on this report, please contact me at (518) 250-7378, or the GE Project Manager, Mr. Lewis Streeter, at (518) 388-7552.

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Our ref:
ARC86277

Sincerely,

Arcadis of New York, Inc.



Doug Weeks
Project Manager

Enclosure

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2019 ANNUAL GROUNDWATER SAMPLING REPORT

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

July 2019

A large, solid orange geometric shape, resembling a stylized triangle or a section of a larger triangle, is positioned in the bottom right corner of the page. It is composed of two overlapping triangles, creating a complex, angular form. A thin white line runs diagonally through the shape, and a horizontal white line intersects it near the bottom.

2019 ANNUAL GROUNDWATER SAMPLING REPORT

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

Prepared for:

General Electric Company
Schenectady, New York

Prepared by:

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1 INTRODUCTION

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

In February 2014, a Remedial Design/Remedial Action (RD/RA) Work Plan detailing the implementation of the remedial alternative for the Site was finalized (Conestoga Rovers & Associates [CRA] 2014). The selected remedy included the following components: in-situ chemical oxidation (ISCO) involving injections of sodium persulfate to treat volatile organic compounds (VOCs) in the soil and groundwater, post-injection groundwater monitoring to assess the performance of the injections, execution and recording of an Environmental Easement¹ to restrict groundwater use and prevent future exposure to remaining impacts at the Site, and the development and implementation of a Site Management Plan (SMP). The SMP, which details the protocols for management of remaining Site impacts, is currently under review by NYSDEC (Arcadis 2017). The first of two rounds of ISCO injections was completed in August 2014, and the second round was completed in April 2015, as detailed in the Draft Final Engineering Report (CB&I 2015).

In accordance with the schedule presented in the RD/RA Work Plan, annual groundwater monitoring was completed in 2019 by Arcadis of New York, Inc. (Arcadis) on behalf of GE. This 2019 Annual Groundwater Sampling Report (Report) presents the results of the 2019 sampling event. This Report also includes a summary of historical groundwater monitoring data for the Site and GE's recommendations for future activities.

¹ In an email to GE dated July 28, 2017 the NYSDEC indicated it plans to file an Environmental Notice for the site in lieu of an Environmental Easement.

2 GROUNDWATER SAMPLING AND ANALYSIS

The 2019 groundwater sampling event was conducted by Arcadis between May 1 and May 3, 2019. A total of eighteen (18) groundwater samples, including quality assurance/quality control (QA/QC) samples, were collected from nine monitoring wells (VRI-1, VRI-2, VRI-3, VRI-9, GT-7, GT-9R, GT-14, GT-15, and GT-16) and six injection wells (IW-2, IW-3, IW-4, IW-5, IW-6, and IW-7) for VOC analyses. The monitoring well and injection well locations are shown on **Figure 3**. Monitoring well VRI-4 and injection well IW-1 were not sampled in 2019 due to damage to their well casings which prevented sampling. Specifically, the well casing at VRI-4 appears to be damaged approximately 10 feet below ground surface (bgs) and the above-ground portion of the standpipe is leaning over. The polyvinyl chloride (PVC) inner casing of well IW-1 has a bulge in the side at approximately 1.5 feet from the top of the well, which precluded pump deployment.

Sampling was performed in accordance with the RD/RA Work Plan and the Site Health and Safety Plan (HASP; Arcadis 2016). QA/QC samples included one Matrix Spike/Matrix Spike Duplicate (MS/MSD) pair collected from GT-15, one blind field duplicate sample collected from GT-16, one field blank, and one trip blank (prepared by TestAmerica Laboratories, Inc. [TestAmerica]).

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

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

Once the field parameters had stabilized, groundwater samples were collected and transferred into pre-cleaned, preserved sample containers provided by TestAmerica. Samples were labeled, packed on ice, and delivered under chain-of-custody (COC) to TestAmerica at the end of each day of sampling. Samples were analyzed for Target Compound List (TCL) VOCs, as well as several non-standard VOCs of interest (1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, isopropylbenzene, and n-propylbenzene), via United States Environmental Protection Agency (USEPA) Method 8260C (USEPA Preparation Method 5030C). All analyses were performed by TestAmerica, a National Environmental Laboratory Accreditation Program (NELAP) certified laboratory in Amherst, NY. A copy of the COC documentation is provided in the laboratory analytical data package provided in **Appendix B**.

3 GROUNDWATER ANALYTICAL RESULTS

The analytical results for the 2019 annual groundwater sampling event are summarized in **Table 1** and in **Figure 3**. A copy of the complete laboratory analytical report is provided in **Appendix B** and the data will be provided to NYSDEC electronically using the EQUIS database. The groundwater data were validated by Arcadis and a Data Usability Summary Report (DUSR) was prepared (**Appendix C**). All of the data are considered valid and useable.

The 2019 groundwater VOC data are presented, along with historical VOC sampling results, in **Figure 4**. Analytical results for VOCs were compared to the New York State Ambient Water Quality Standards and Guidance Values, as defined in the Division of Water Technical and Operational Guidance Series (TOGS 1.1.1; NYSDEC 1998). In 2019, the total VOC concentration at monitoring well VRI-1 was 35.2 micrograms per liter (ug/L); in 2002, VRI-1 exhibited a total VOC concentration exceeding 29,000 µg/L and was the primary focus of the initial ISCO injections. Consistent with the results from 2018, downgradient perimeter wells GT-14 and VRI-3, and side-gradient well VRI-2, exhibited no detections for VOCs in 2019. In 2019, the total VOC concentrations in the injection wells surrounding VRI-1 ranged from an estimated 659 µg/L in IW-3 to an estimated 18,887 µg/L in IW-6. Total VOC concentrations at GT-7, GT-15, IW-6, IW-7, VRI-1, and VRI-9 increased in comparison to the May 2018 sampling event, however there were no exceedances of the water quality standards in monitoring wells GT-7 or GT-15. Total VOC concentrations at GT-9R, GT-16, IW-2, IW-3, IW-4, and IW-5 decreased in comparison to the May 2018 sampling event and there were no exceedances of the water quality standards at monitoring well GT-16. Trichloroethylene (TCE) was not detected at concentrations exceeding the NYS standard of 5 µg/L in any of the wells, including GT-16 where it had exceeded the NYS standard for the last several monitoring events. Several other VOC compounds were detected at levels exceeding the NYS Ambient Water Quality Standards in the injection wells and also in wells GT-9R, VRI-1, and VRI-9 (**Table 1**).

4 RECOMMENDATIONS

The 2019 groundwater sampling event constituted the final monitoring event specified under the NYSDEC-approved RD/RA Work Plan (CRA 2014). Historical analytical results (**Figure 4**) show that the groundwater impacts are primarily localized to a small area in the vicinity of VRI-1 (which is located off the Von Roll property) and slightly to the east at GT-9R. The two monitoring wells located downgradient from VRI-1 and GT-9R at the perimeter of the Von Roll site (i.e., GT-14 and VRI-3) have both shown low or no detections of site-related COCs for the last several monitoring events dating back to 2016. VRI-4, which is also located downgradient from VRI-1 and GT-9R at the site perimeter, could not be sampled in 2018 or 2019 due to damage to the well; VRI-4 was, however, ND for site-related COCs in 2016 and 2017 when it was last sampled. Additionally, there are no potential downgradient groundwater receptors between the site and the Mohawk River, located approximately one mile to the northeast².

Based on the results of the groundwater monitoring conducted at the site over the last five years, GE recommends that the groundwater monitoring program at the site be continued. GE recommends that future groundwater monitoring events include water level gauging at all site wells and sampling at a subset of nine wells (injection wells IW-3 and IW-6, and monitoring wells VRI-1, VRI-3, VRI-4³, VRI-9, GT-9R, GT-14, GT-16). The nine wells proposed for future sampling provide sufficient spatial coverage and will allow for monitoring of groundwater conditions at the downgradient (eastern) perimeter of the Von Roll site. Five injection wells previously included in the sampling program were deemed unnecessary for continued monitoring (IW-1, IW-2, IW-4, IW-5, and IW-7). Historical analytical results have shown that these wells provide substantially similar information to that provided by wells IW-3 and IW-6 due to their close proximity. Wells IW-6 and IW-3 are located directly upgradient and downgradient, respectively, of well VRI-1 (the primary focus of the ISCO injections) and will provide sufficient data for monitoring groundwater conditions in this portion of the site. Additionally, monitoring wells VRI-2, GT-7, and GT-15 are not proposed for continued monitoring because these three wells have historically shown low or no detections of site-related constituents of concern.

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

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

³ Downgradient monitoring well VRI-4 would be repaired prior to the next monitoring event.

5 REFERENCES

- Arcadis. 2016. Site-Specific Health and Safety Plan. Prepared for General Electric Company, Von Roll Site, Schenectady, NY. July.
- Arcadis. 2017. Draft Site Management Plan. Prepared for GE-Corporate Environmental Programs, Von Roll Site, Schenectady, NY. September.
- Conestoga-Rovers & Associates. 2014. Remedial Design/Remedial Action Work Plan. Prepared for GE-Corporate Environmental Programs, Von Roll Site, Schenectady, NY. February.
- New York State Department of Environmental Conservation. 1998. Technical & Operational Guidance Series (TOGS) 1.1.1 - Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Division of Water Technical and Operational Guidance Series. June (and subsequent amendments). Available at: <http://www.dec.ny.gov/regulations/2652.html>.
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TABLE



Table 1
2019 Groundwater Analytical Summary
2019 Annual Groundwater Sampling Report
Von Roll Isola USA, Inc. (Riverview)
Rotterdam, New York

Location ID: Date Collected:	CAS Number	NYSDEC TOGS 1 1 1 (GW Standard)	Units	GT-7 5/3/2019	GT-9R 5/3/2019	GT-14 5/2/2019	GT-15 5/3/2019	GT-16 5/3/2019	DUP-GT-16 5/3/2019	IW-2 5/1/2019	IW-3 5/1/2019	IW-4 5/2/2019	IW-5 5/2/2019	IW-6 5/2/2019
Volatile Organics														
1,1,1-Trichloroethane	71-55-6	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
1,1,2-Trichloroethane	79-00-5	1	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
1,1-Dichloroethane	75-34-3	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
1,1-Dichloroethene	75-35-4	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/L	1.0 U	4.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 UJ	40 UJ
1,2,4-Trimethylbenzene	95-63-6	5	ug/L	1.0 U	8.3	1.0 U	1.0 U	1.0 U	1.0 U	420	250	460	580	7,200 D
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
1,2-Dibromoethane	106-93-4	0.0006	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
1,2-Dichlorobenzene	95-50-1	3	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
1,2-Dichloroethane	107-06-2	0.6	ug/L	1.0 U	4.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 UJ	40 UJ
1,2-Dichloropropane	78-87-5	1	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
1,3,5-Trimethylbenzene	108-67-8	5	ug/L	1.0 U	8.8	1.0 U	1.0 U	1.0 U	1.0 U	220	280	330	490	4,000
1,3-Dichlorobenzene	541-73-1	3	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
1,4-Dichlorobenzene	106-46-7	3	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
2-Butanone (MEK)	78-93-3	50	ug/L	10 U	40 U	10 U	10 U	10 U	10 U	100 U	40 U	100 U	200 U	400 U
4-Methyl-2-Pentanone	108-10-1	--	ug/L	5.0 U	20 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	20 U	50 U	100 U	200 U
Acetone	67-64-1	50	ug/L	10 U	40 U	10 U	10 U	10 U	10 U	100 U	40 U	100 U	200 U	400 U
Benzene	71-43-2	1	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
Bromodichloromethane	75-27-4	50	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
Bromoform	75-25-2	50	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
Bromomethane	74-83-9	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
Carbon Disulfide	75-15-0	60	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
Carbon Tetrachloride	56-23-5	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	0.38 J	0.59 J	10 U	4.0 U	10 U	20 U	40 U
CFC-11	75-69-4	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
CFC-12	75-71-8	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
Chlorobenzene	108-90-7	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
Chlorodibromomethane	124-48-1	50	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
Chloroethane	75-00-3	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
Chloroform	67-66-3	7	ug/L	0.46 J	4.0 U	1.0 U	1.0 U	2.9	2.7	10 U	4.0 U	10 U	20 U	40 U
Chloromethane	74-87-3	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
cis-1,2-Dichloroethene	156-59-2	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
cis-1,3-Dichloropropene	10061-01-5	0.4	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
Cyclohexane	110-82-7	--	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
Dichloromethane	75-09-2	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.9 J	2.0 J	10 U	20 U	40 U
Ethylbenzene	100-41-4	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	37 J
Isopropylbenzene	98-82-8	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	37	12	24	18 J	510
Methyl Acetate	79-20-9	--	ug/L	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	25 UJ	50 U	100 U
Methyl N-Butyl Ketone (2-Hexanone)	591-78-6	50	ug/L	5.0 U	20 U	5.0 U	5.0 U	5.0 U	5.0 U	50 U	20 U	50 U	100 U	200 U
Methylcyclohexane	108-87-2	--	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
Methyl-tert-butylether	1634-04-4	10	ug/L	1.0 U	4.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 UJ	40 UJ
N-Propylbenzene	103-65-1	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	36	15	28	17 J	540
Styrene (Monomer)	100-42-5	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
Tetrachloroethene	127-18-4	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
Toluene	108-88-3	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
Total Xylenes	1330-20-7	5	ug/L	2.0 U	8.8	2.0 U	2.0 U	2.0 U	2.0 U	610	100	55	200	6,600 D
trans-1,2-Dichloroethene	156-60-5	5	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
trans-1,3-Dichloropropene	10061-02-6	0.4	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
Trichloroethene	79-01-6	5	ug/L	1.0 U	4.0 U	1.0 U	3.4 J	3.9	3.8	10 U	4.0 U	10 U	20 U	40 U
Vinyl chloride	75-01-4	2	ug/L	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	4.0 U	10 U	20 U	40 U
Total VOCs	ARC-TVOC	--	ug/L	0.46 J	25.9	10 U	3.4 J	7.18 J	7.09 J	1,327.9 J	659 J	897	1,305 J	18,887 J

Table 1
2019 Groundwater Analytical Summary
2019 Annual Groundwater Sampling Report
Von Roll Isola USA, Inc. (Riverview)
Rotterdam, New York

Location ID: Date Collected:	CAS Number	NYSDEC TOGS 1 1 1 (GW Standard)	Units	IW-7 5/1/2019	VRI-1 5/1/2019	VRI-2 5/2/2019	VRI-3 5/2/2019	VRI-9 5/3/2019
Volatile Organics								
1,1,1-Trichloroethane	71-55-6	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	79-00-5	1	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	75-34-3	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	75-35-4	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/L	10 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	ug/L	2,100 D	1.8	1.0 U	1.0 U	18
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	106-93-4	0.0006	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	95-50-1	3	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	107-06-2	0.6	ug/L	10 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U
1,2-Dichloropropane	78-87-5	1	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	ug/L	1,300 D	18	1.0 U	1.0 U	7.7
1,3-Dichlorobenzene	541-73-1	3	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	106-46-7	3	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	78-93-3	50	ug/L	100 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	108-10-1	--	ug/L	50 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	67-64-1	50	ug/L	100 U	10 U	10 U	10 U	10 U
Benzene	71-43-2	1	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	75-27-4	50	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	75-25-2	50	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	74-83-9	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Disulfide	75-15-0	60	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	56-23-5	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
CFC-11	75-69-4	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
CFC-12	75-71-8	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	108-90-7	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorodibromomethane	124-48-1	50	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	75-00-3	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	67-66-3	7	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	74-87-3	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	156-59-2	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	10061-01-5	0.4	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	110-82-7	--	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloromethane	75-09-2	5	ug/L	7.1 J	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	100-41-4	5	ug/L	13	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	98-82-8	5	ug/L	98	1.3	1.0 U	1.0 U	1.0
Methyl Acetate	79-20-9	--	ug/L	25 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl N-Butyl Ketone (2-Hexanone)	591-78-6	50	ug/L	50 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylcyclohexane	108-87-2	--	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl-tert-butylether	1634-04-4	10	ug/L	10 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U
N-Propylbenzene	103-65-1	5	ug/L	80	1.1	1.0 U	1.0 U	1.5
Styrene (Monomer)	100-42-5	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	127-18-4	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	108-88-3	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	1330-20-7	5	ug/L	2,000 D	13	2.0 U	2.0 U	11
trans-1,2-Dichloroethene	156-60-5	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	10061-02-6	0.4	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	79-01-6	5	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	75-01-4	2	ug/L	10 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs	ARC-TVOC	--	ug/L	5,598.1 J	35.2	10 U	10 U	39.2

Notes:

- 1. Samples were collected by Arcadis of New York, Inc. and submitted to TestAmerica Laboratories, Inc. for analysis.
- 2. Field duplicate sample results are presented in brackets.
- 3. Grey shading and bolded text indicates detection exceeding the NYS ambient water quality standards and guidance values, defined in TOGS 1.1

Data Qualifiers:

- D - Compound quanitated using a secondary dilution.
- J - Indicates an estimated value.
- U - The analyte was analyzed for, but not detected. The associated value is the analyte quantitation limit.

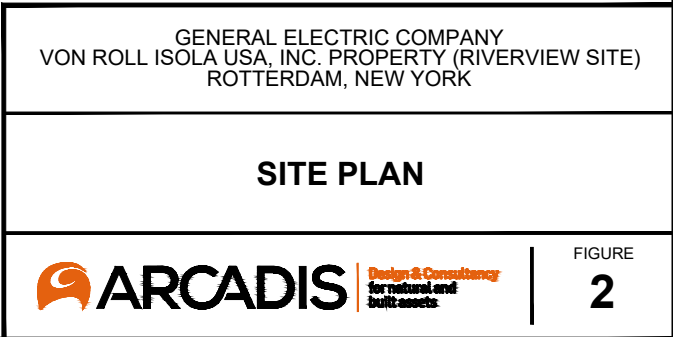
FIGURES





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

SITE LOCATION MAP



IW-3	
Date	5/1/2019
Ethylbenzene	4U
Dichloromethane	2J
Xylene (total)	100
1,3,5-Trimethylbenzene	280
1,2,4-Trimethylbenzene	250
Isopropylbenzene	12
n-Propylbenzene	15
Trichloroethene (TCE)	4U
Chloroform	4U
2-Butanone	40U
Acetone	40U
Toluene	4U
pH	8.97

IW-4	
Date	5/2/2019
Ethylbenzene	10U
Dichloromethane	10U
Xylene (total)	55
1,3,5-Trimethylbenzene	330
1,2,4-Trimethylbenzene	460
Isopropylbenzene	24
n-Propylbenzene	28
Trichloroethene (TCE)	10U
Chloroform	10U
2-Butanone	100U
Acetone	100U
Toluene	10U
pH	7.05

VRI-9	
Date	5/3/2019
Ethylbenzene	1U
Dichloromethane	1U
Xylene (total)	11
1,3,5-Trimethylbenzene	7.7
1,2,4-Trimethylbenzene	18
Isopropylbenzene	1
n-Propylbenzene	1.5
Trichloroethene (TCE)	1U
Chloroform	1U
2-Butanone	10U
Acetone	10U
Toluene	1U
pH	6.14

IW-5	
Date	5/2/2019
Ethylbenzene	20U
Dichloromethane	20U
Xylene (total)	200
1,3,5-Trimethylbenzene	490
1,2,4-Trimethylbenzene	580
Isopropylbenzene	18J
n-Propylbenzene	17J
Trichloroethene (TCE)	20U
Chloroform	20U
2-Butanone	200U
Acetone	200U
Toluene	20U
pH	7.05

IW-6	
Date	5/2/2019
Ethylbenzene	37J
Dichloromethane	40U
Xylene (total)	6,600
1,3,5-Trimethylbenzene	4,000
1,2,4-Trimethylbenzene	7,200
Isopropylbenzene	510
n-Propylbenzene	540
Trichloroethene (TCE)	40U
Chloroform	40U
2-Butanone	400U
Acetone	400U
Toluene	40U
pH	7.9

VRI-1	
Date	5/1/2019
Ethylbenzene	1U
Dichloromethane	1U
Xylene (total)	13
1,3,5-Trimethylbenzene	18
1,2,4-Trimethylbenzene	1.8
Isopropylbenzene	1.3
n-Propylbenzene	1.1
Trichloroethene (TCE)	1U
Chloroform	1U
2-Butanone	10U
Acetone	10U
Toluene	1U
pH	7.1

GT-14	
Date	5/2/2019
Ethylbenzene	1U
Dichloromethane	1U
Xylene (total)	2U
1,3,5-Trimethylbenzene	1U
1,2,4-Trimethylbenzene	1U
Isopropylbenzene	1U
n-Propylbenzene	1U
Trichloroethene (TCE)	1U
Chloroform	1U
2-Butanone	10U
Acetone	10U
Toluene	1U
pH	7.06

IW-7	
Date	5/1/2019
Ethylbenzene	13
Dichloromethane	7.1J
Xylene (total)	2,000
1,3,5-Trimethylbenzene	1,300
1,2,4-Trimethylbenzene	2,100
Isopropylbenzene	98
n-Propylbenzene	80
Trichloroethene (TCE)	10U
Chloroform	10U
2-Butanone	100U
Acetone	100U
Toluene	10U
pH	7.18

GT-9R	
Date	5/3/2019
Ethylbenzene	4U
Dichloromethane	4U
Xylene (total)	8.8
1,3,5-Trimethylbenzene	8.8
1,2,4-Trimethylbenzene	8.3
Isopropylbenzene	4U
n-Propylbenzene	4U
Trichloroethene (TCE)	4U
Chloroform	4U
2-Butanone	40U
Acetone	40U
Toluene	4U
pH	6.83

IW-2	
Date	5/1/2019
Ethylbenzene	10U
Dichloromethane	4.9J
Xylene (total)	610
1,3,5-Trimethylbenzene	220
1,2,4-Trimethylbenzene	420
Isopropylbenzene	37
n-Propylbenzene	36
Trichloroethene (TCE)	10U
Chloroform	10U
2-Butanone	100U
Acetone	100U
Toluene	10U
pH	7.14

GT-15	
Date	5/3/2019
Ethylbenzene	1U
Dichloromethane	1U
Xylene (total)	2UF1
1,3,5-Trimethylbenzene	1U
1,2,4-Trimethylbenzene	1U
Isopropylbenzene	1U
n-Propylbenzene	1U
Trichloroethene (TCE)	3.4F1
Chloroform	1U
2-Butanone	10U
Acetone	10U
Toluene	1U
pH	7.23

GT-16	
Date	5/3/2019
Ethylbenzene	1U [1U]
Dichloromethane	1U [1U]
Xylene (total)	2U [2U]
1,3,5-Trimethylbenzene	1U [1U]
1,2,4-Trimethylbenzene	1U [1U]
Isopropylbenzene	1U [1U]
n-Propylbenzene	1U [1U]
Trichloroethene (TCE)	3.9 [3.8]
Chloroform	2.9 [2.7]
2-Butanone	10U [10U]
Acetone	10U [10U]
Toluene	1U [1U]
pH	6.95

GT-7	
Date	5/3/2019
Ethylbenzene	1U
Dichloromethane	1U
Xylene (total)	2U
1,3,5-Trimethylbenzene	1U
1,2,4-Trimethylbenzene	1U
Isopropylbenzene	1U
n-Propylbenzene	1U
Trichloroethene (TCE)	1U
Chloroform	0.46J
2-Butanone	10U
Acetone	10U
Toluene	1U
pH	7.49

VRI-3	
Date	5/2/2019
Ethylbenzene	1U
Dichloromethane	1U
Xylene (total)	2U
1,3,5-Trimethylbenzene	1U
1,2,4-Trimethylbenzene	1U
Isopropylbenzene	1U
n-Propylbenzene	1U
Trichloroethene (TCE)	1U
Chloroform	1U
2-Butanone	10U
Acetone	10U
Toluene	1U
pH	7.02

VRI-2	
Date	5/2/2019
Ethylbenzene	1U
Dichloromethane	1U
Xylene (total)	2U
1,3,5-Trimethylbenzene	1U
1,2,4-Trimethylbenzene	1U
Isopropylbenzene	1U
n-Propylbenzene	1U
Trichloroethene (TCE)	1U
Chloroform	1U
2-Butanone	10U
Acetone	10U
Toluene	1U
pH	7.09

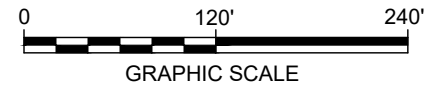
LEGEND:

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

NOTES:

- 2019 SAMPLING EVENT WAS COMPLETED 49 MONTHS AFTER SECOND ROUND OF ISCO INJECTIONS.
- IN THE ANALYTICAL RESULTS, BOLD FONT INDICATES THAT THE DETECTED CONCENTRATION EXCEEDS THE APPLICABLE NYSDEC SCREENING CRITERIA (SEE TABLE AT RIGHT). "U" INDICATES THAT THE COMPOUND WAS NOT DETECTED.
- ONLY ANALYTICAL RESULTS FROM THE 2019 ANNUAL SAMPLING EVENT ARE SHOWN ON THIS FIGURE. SEE FIGURE 4 FOR HISTORICAL SAMPLING RESULTS.
- NEW YORK STATE AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES AS DEFINED IN THE DIVISION OF WATER TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1.
- VRI-4 AND IW-1 WERE INACCESSIBLE DUE TO WELL OBSTRUCTIONS AND WERE NOT SAMPLED IN MAY 2019.

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



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

2019 GROUNDWATER SAMPLING
ANALYTICAL RESULTS
- SELECT VOCs



4

APPENDIX A

Groundwater Sampling Event Field Data Sheets and Field Notes



GROUNDWATER SAMPLING LOG

Page ____ of ____

Project No. APC 86277-3000

Well ID IW-7

Date 5-1-19

Project Name/Location GE Riverview

Weather Cloudy 40's

Measuring Pt. Description _____

Screen Setting (ft-bmp) _____

Casing Diameter (in.) 2

Well Material X PVC
____ SS

Static Water Level (ft-bmp) 63.77

Total Depth (ft-bmp) 71.87

Water Column/ Gallons in Well _____

MP Elevation _____

Pump Intake (ft-bmp) _____

Purge Method: _____

Sample Method Bladder Pump

Pump On/Off _____

Volumes Purged _____

Centrifugal _____
Submersible Bladder
Other _____

Sample Ti Label 3:00
Start _____
End _____

Replicate/ Code No. NA

Sampled by KL

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (mMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
2:25	5		63.77		7.35	2.75	8.5	3.44	10.28	-19	Orange	Sweet odor
2:30	5			0.25	7.36	2.71	6.1	2.57	10.39	-19		
2:35	5		64.12	0.75	7.34	2.56	2.9	1.74	10.83	-18		
2:40	5		64.15	1.50	7.3	2.4	1.3	1.77	10.56	-16	Orange	"
2:45	5		64.15	1.75	7.25	2.21	0.0	2.00	10.57	-13		
2:50	5		64.15	2.00	7.22	2.07	0.0	2.22	10.56	-12		
2:55	5		64.5	2.5	7.20	1.94	0.0	2.50	10.57	-10		
3:00	5		64.15	3.0	7.18	1.82	0.0	2.73	10.60	-10	Clear	"

Constituents Sampled	Container	Number	Preservative
VOC's	3x's 40 mL VOA	3	HCL

Well Casing Volumes

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

Well Information

Well Location: <u>IW-7</u>	Well Locked at Arrival: <u>Yes</u> / <u>No</u>
Condition of Well: <u>Good</u>	Well Locked at Departure: <u>Yes</u> / <u>No</u>
Well Completion: <u>Flush Mount</u> / <u>Stick Up</u>	Key Number To Well: _____

(Sample ID = IW-7-050119)

GROUNDWATER SAMPLING LOG

Page ____ of ____

Project No. AP086277.3000

Well ID VRI-1

Date 5-1-19

Project Name/Location GE Riverview

Weather Cloudy 40's

Measuring Pt. Description _____

Screen Setting (ft-bmp) _____

Casing Diameter (in.) 2

Well Material ☒ PVC
☐ SS

Static Water Level (ft-bmp) # 63.95

Total Depth (ft-bmp) 70.05

Water Column/ Gallons in Well _____

MP Elevation _____

Pump Intake (ft-bmp) _____

Purge Method: _____

Sample Method _____

Pump On/Off _____

Volumes Purged _____

Centrifugal _____
Submersible Bladder Pump
Other _____

Sample Tir Label 5.00
Start _____
End _____

Replicate/ Code No. N/A

Sampled by KL

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (mMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
4:05	5	63.83	63.80		7.17	1.51	101	3.33	10.76	-9	cloudy	Sweet
4:10	5	64.74	64.79	0.25	7.20	1.10	258	3.17	10.80	-11	cloudy	
4:15	5		64.90	0.5	7.17	1.05	195	2.12	10.58	-9	cloudy	
4:20	5		64.98	0.75	7.17	1.03	168	2.31	10.56	-9	cloudy	
4:25	5		64.9	1.0	7.15	0.997	138	2.78	10.53	-8	cloudy	
4:30	5		64.9	1.50	7.14	0.960	125	3.28	10.54	-8	cloudy	
4:35	5		65.0	2.0	7.13	0.930	117	3.60	10.55	-7	cloudy	Sweet
4:40	5		65	2.5	7.12	0.903	104	3.85	10.52	-6	cloudy	Sweet
4:45	5		65	3.0	7.11	0.880	81.0	4.11	10.52	-6	cloudy	Sweet
4:50	5		65	3.25	7.11	0.868	74.0	4.23	10.51	-6	cloudy	Sweet
4:55	5		64.92		7.10	0.856	69.4	4.35	10.48	-6	cloudy	

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

Well Casing Volumes

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

Well Information

Well Location: <u>VRI-1</u>	Well Locked at Arrival: Yes / ☒ No
Condition of Well: <u>Good</u>	Well Locked at Departure: ☒ Yes / No
Well Completion: <u>Flush Mount</u> / <u>Stick Up</u>	Key Number To Well: _____

(Sample ID = VRI-1-050119)

GROUNDWATER SAMPLING LOG

Page 1 of

Project No.

Well ID IW-2

Date 5/1/2019

Project Name/Location GE Environmental / Schenectady, NY

Weather cloudy 50s

Measuring Pt. Description TWC

Screen Setting (ft-bmp)

Casing Diameter (in.) 2

Well Material X PVC
 SS

Static Water Level (ft-bmp) 63.96

Total Depth (ft-bmp) 72.42

Water Column/ Gallons in Well

MP Elevation

Pump Intake (ft-bmp) 1.0

Purge Method: bladder

Sample Method bladder

Pump On/Off 1603/1655 Volumes Purged

Centrifugal
Submersible
Other

Sample Ttl Label 1650 Replicate/ Code No. NA
Start 1650
End 1655

Sampled by JS

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (mMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1605	0	100	63.97	0	7.33	1.78	317	5.03	12.28	-50	black	NA
1610	5	100	64.25	0.5	7.11	1.81	46.4	1.58	11.77	-31	" "	" "
1615	10	100	64.36	1.0	7.06	1.75	23.0	1.49	11.73	-26	" "	" "
1620	15		64.41	1.4	7.01	1.66	6.9	1.48	11.66	-20	" "	" "
1625	20		64.43	1.9	7.04	1.55	0.2	1.58	11.61	-34	" "	" "
1630	25	100	64.40	2.5	7.07	1.49	0.0	1.67	11.61	-21	" "	" "
1635	30	100	64.42	3.0	7.10	1.44	0.0	1.74	11.59	-22	" "	" "
1640	35		64.45	3.5	7.11	1.39	0.0	1.92	11.58	-20	" "	" "
1645	40		64.45	4.0	7.12	1.34	0.0	2.11	11.58	-18	" "	" "
1650	45		64.45	4.5	7.14	1.32	0.0	2.21	11.56	-17	" "	" "

Constituents Sampled	Container	Number	Preservative
<u>VOC</u>	<u>glass</u>	<u>3</u>	<u>HCl</u>

Well Casing Volumes

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

Well Information

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

GROUNDWATER SAMPLING LOG

Page 1 of

Project No. AP086277.3000

Well ID IW-6

Date 5-2-19

Project Name/Location GE Riverview / Van Roll Drive, Schenectady

Weather Cloudy 50's

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

Well Material ☒ PVC ☐ SS

Static Water Level (ft-bmp) 63.46 Total Depth (ft-bmp) 70.44 Water Column/ Gallons in Well

MP Elevation Pump Intake (ft-bmp) Purge Method: Bladder Pump

Sample Method Bladder Pump

Pump On/Off 8:22 Volumes Purged Centrifugal ☐ Submersible ☒ Other

Sample Tag Label IW-6-05018 Replicate/ Code No. N/A
Start End

Sampled by KL

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (mMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (ORP mV)	Appearance	
											Color	Odor
8:25			63.46	0	7.42	2.02	53.7	4.20	10.93	916	clear	
8:30	5		64.1	0.25	7.63	2.00	44.6	3.03	10.65	175	clear	
8:35	5		64.15	0.5	8.0	2.01	28.0	1.95	10.41	122	clear	
8:40	5		64.1	1.0	8.1	2.03	24.9	1.80	10.36	99	clear	
8:45	5		64.25	1.5	8.09	2.04	19.2	1.55	10.32	60	clear	
8:50	5		64.24	2.0	8.08	2.04	17.5	1.52	10.30	51	clear	
8:55	5		64.27	2.5	8.06	2.04	17.1	1.45	10.29	36	clear	
9:00	5		64.33	3.0	8.01	2.03	16.0	1.43	10.3	21	clear	
9:05	5			3.5	7.95	2.02	12.1	1.38	10.29	9	clear	
9:10	5		64.34	3.75	7.94	2.01	12.1	1.39	10.29	7	clear	
9:15	5		64.32	4.00	7.90	2.00	11.5	1.39	10.29	2	clear	
sampled @ 9:20												

Constituents Sampled	Container	Number	Preservative
VOC's	40 mL VOA	3	HCL

Well Casing Volumes

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

Well Information

Well Location: <u>IW-6</u>	Well Locked at Arrival: Yes / <u>No</u>
Condition of Well: <u>Good</u>	Well Locked at Departure: <u>Yes</u> / No
Well Completion: <u>Flush Mount</u> / <u>Stick Up</u>	Key Number To Well: <u> </u>

GROUNDWATER SAMPLING LOG

Page 1 of 1

Project No. _____

Well ID IW-4

Date 5/2/19

Project Name/Location GE Review

Weather cloudy, 50s

Measuring Pt. Description TWC

Screen Setting (ft-bmp) _____

Casing Diameter (in.) 2

Well Material ☒ PVC ☐ SS

Static Water Level (ft-bmp) 63.44
63.44

Total Depth (ft-bmp) 71.22

Water Column/ Gallons in Well 7.8/1.25

MP Elevation _____

Pump Intake (ft-bmp) 1

Purge Method: bladder

Sample Method bladder

Pump On/Off 0821/0923

Volumes Purged _____

Centrifugal ☐
Submersible ☐
Other ☐

Sample Tag Label 0920
Start 0920
End 0923

Replicate/ Code No. NA

Sampled by JS

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (mMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
0823	0	100	63.44	0	6.81	0.665	2.5	3.41	10.39	201	clear	NA
0828	5		63.91	0.5	7.29	0.638	49.1	2.66	10.44	83	cloudy	NA
0833	10		64.10	1.0	7.38	0.614	21.9	5.82	10.44	141	clear	" "
0838	15		64.18	1.5	7.35	0.618	6.3	5.86	10.44	157	" "	" "
0843	20		64.22	2.0	7.31	0.623	5.0	5.71	10.44	159	" "	" "
0848	25		64.32	2.5	7.25	0.635	4.0	5.33	10.43	154	" "	" "
0853	30		64.29	2.9	7.24	0.636	2.9	5.28	10.44	152	" "	" "
0858	35		64.32	3.4	7.20	0.640	34.1	5.18	10.44	144	" "	" "
0858	40											
0905	42		64.33	3.9	7.71	0.643	14.7	4.59	10.41	125	" "	" "
0910	47		64.35	4.3	7.13	0.649	6.6	4.72	10.43	135	" "	" "
0915	52		64.40	4.7	7.09	0.655	6.0	4.60	10.44	134	" "	" "
0920	57		64.50	5.0	7.05	0.663	3.2	4.59	10.46	134	" "	" "

Constituents Sampled

VOC

Container

glass vials

Number

3

Preservative

HCl

Well Casing Volumes

Gallons/Foot 1" = 0.04

1.25" = 0.06

1.5" = 0.09

2" = 0.16

2.5" = 0.26

3" = 0.37

3.5" = 0.50

4" = 0.65

6" = 1.47

Well Information

Well Location: <u>near VRI-1</u>	Well Locked at Arrival: ☒ Yes / ☐ No
Condition of Well: <u>good</u>	Well Locked at Departure: ☒ Yes / ☐ No
Well Completion: <u>Flush Mount</u> / <u>Stick Up</u>	Key Number To Well: _____

GROUNDWATER SAMPLING LOG

Page of

Project No. APC 86277.3000

Well ID VRI - 9

Date 5-2-19

Project Name/Location GE - Riverview / Van Bollen, Schenectady

Weather Rain

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

Well Material ☒ PVC
☐ SS

Static Water Level (ft-bmp)	14.75	Total Depth (ft-bmp)	69.87	Water Column/ Gallons in Well
-----------------------------	-------	----------------------	-------	----------------------------------

MP Elevation _____ Pump Intake (ft-bmp) _____ Purge Method: _____

Pump On/Off	Volumes Purged	Submersible ✓
-------------	----------------	---------------

Sample Tin Label 10-02 Replicate/
Start Code No. 21A
End _____

Sample Method Bladder pump

Sampled by K.L.

[illegible][illegible]

Well Casing Volumes

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

Well Information

Well Location: WPT-9
Condition of Well: Good
Well Completion: Flush Mount / (Stick Up)

Well Locked at Arrival:	Yes	/	No
Well Locked at Departure:	Yes	/	No
Key Number To Well:			

* Bee Spray used on well casing lid on 5-1-19 *

* Pump set @ 10.5 + 14.5 *

GROUNDWATER SAMPLING LOG

Page 1 of

Project No. Well ID URI-2

Date 5/2/19

Project Name/Location GE R. Veru, en

Weather rain, 50s

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

Well Material X PVC
 SS

Static Water Level (ft-bmp) 68.12 Total Depth (ft-bmp) Water Column/ Gallons in Well

MP Elevation Pump Intake (ft-bmp) 1 Purge Method: bladder

Sample Method bladder

Pump On/Off 1008/1117 Volumes Purged Centrifugal
1117 Submersible
Other

Sample Tin Label H00 Replicate/ NA
Start 1115 H00 Code No.
End 1118 H02

Sampled by JS

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (mMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1012	0		68.12	0	7.20	0.647	2.0	10.69	10.33	-41	brown	NA
- stopped pump @ 1014, start 1019												
1014	5		68.20	0.3	7.56	0.631	535	9.95	11.32	-64	" "	" "
1029	10		68.20	0.6	7.17	0.652	322	9.89	10.30	-42	cloudy	" "
1034	15		68.23	1.0	7.13	0.661	139	9.74	10.12	-40	" "	" "
1039	20		68.19	1.4	7.26	0.661	105	9.83	10.15	-48	" "	" "
1044	25		68.20	1.9	7.17	0.664	46.7	9.76	9.94	-40	" "	" "
1049	30		68.22	2.3	7.11	0.665	34.3	9.69	9.96	-39	" "	" "
1054	35		68.19	2.6	7.12	0.664	26.0	9.68	9.98	-40	" "	" "
1059	40		68.20	2.9	7.11	0.664	22.6	9.52	9.98	-39	" "	" "
1104	45		68.24	3.2	7.11	0.664	12.5	9.59	10.00	-37	" "	" "
1109	50		68.20	3.5	7.10	0.665	10.7	9.59	9.97	-38	" "	" "
1114	55		68.24	3.8	7.09	0.664	6.7	9.41	9.95	-38	" "	" "

Constituents Sampled	Container	Number	Preservative
VOC	glass	3	HCl

Well Casing Volumes

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

Well Information

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

Turbidity should be higher, stopped pump & cleaned well, started at 1019

GROUNDWATER SAMPLING LOG

Page 1 of

Project No. AP086277-3000

Well ID IW-5

Date 5-2-19

Project Name/Location GE - Review

Weather Cloudy, 54°

Measuring Pt.
Description

Screen
Setting (ft-bmp)

Casing
Diameter (in.) 2

Well Material ☒ PVC
☐ SS

Static Water
Level (ft-bmp) 63.78

Total Depth (ft-bmp) 71.53

Water Column/
Gallons in Well

MP Elevation

Pump Intake (ft-bmp)

Purge Method:

Sample
Method Bladder Pump

Pump On/Off

Volumes Purged

Centrifugal
Submersible ☒
Other

Sample Ti Label 12:05
Start
End

Replicate/
Code No. N/A

Sampled by KL

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (mMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox ORP(mV) (mV)	Appearance	
											Color	Odor
11:20			63.78	—	6.82	0.792	12.3	6.63	9.88	190	Cloudy	
11:25			64.14	0.5	6.96	0.810	87.8	3.12	10.44	156	Cloudy	
11:30			64.32	0.75	6.99	0.805	22.2	3.21	10.33	143		
11:35				1.0	7.00	0.809	19.1	2.92	10.29	141	clear	
11:40			64.31	1.5	7.01	0.816	14.9	2.34	10.25	135		
11:45			64.22	2.0	7.03	0.820	12.0	2.03	10.26	128	clear	
11:50			64.15	1.9	7.04	0.822	11.5	1.82	10.32	124	clear	
11:55			64.3	2.0	7.04	0.821	9.6	1.86	10.27	121	clear	
12:00				2.5	7.05	0.829	7.3	2.04	10.23	119	clear	
12:05												

Constituents Sampled	Container	Number	Preservative
<u>VOCS</u>	<u>40 mL VOA</u>	<u>3</u>	<u>HCL</u>

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

Battery Change @ 11:50

Well Information

Well Location: <u>MW-5</u>	Well Locked at Arrival: Yes / ☒ No
Condition of Well: <u>Good</u>	Well Locked at Departure: ☒ Yes / No
Well Completion: <u>Flush Mount / ☒ Stick Up</u>	Key Number To Well: <u> </u>

PH = ±0.1

ORP = ±10 mV

DO/Turb = ±10%

Cond/Temp = ±3%

GROUNDWATER SAMPLING LOG

Page 1 of

Project No.

Well ID VRI-3

Date 5/2/19

Project Name/Location GE Riverview

Weather cloudy, SC3

Measuring Pt. Description TWC

Screen Setting (ft-bmp)

Casing Diameter (in.) 2

Well Material X PVC
 SS

Static Water Level (ft-bmp) 69.72

Total Depth (ft-bmp)

Water Column/ Gallons in Well

MP Elevation

Pump Intake (ft-bmp) 1

Purge Method: bleedder

Sample Method bleedder

Pump On/Off 1347

Volumes Purged

Centrifugal

Submersible

Other

Sample Ti Label 1455
Start 1453
End 1455

Replicate/ Code No.

Sampled by 15

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (mMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1349	0		69.72	0	7.31	0.581	0.0	9.33	13.32	292	brown	UA
1354	5		71.38	0.2	7.15	0.565	6.6	3.52	12.14	261	" "	" "
1400	11	100	72.08	0.8	7.19	0.612	140	2.95	11.87	296	" "	" "
1404	15	100	72.31	1.3	7.18	0.614	85.5	3.11	11.83	308	cloudy	" "
1409	20	100	72.37	1.8	7.17	0.624	113	3.16	11.89	316	" "	" "
1414	25	100	72.51	2.3	7.15	0.625	58.1	2.90	11.87	296	" "	" "
1419	30		72.50	2.7	7.14	0.627	61.2	2.79	11.82	275	" "	" "
1424	35		72.58	3.1	7.13	0.634	48.2	2.83	11.83	260	" "	" "
1429	40		72.54	3.5	7.11	0.634	28.9	2.75	11.71	217	" "	" "
1434	45		72.62	3.9	7.10	0.635	18.3	2.77	11.85	206	" "	" "
1439	50		72.57	4.4	7.07	0.634	21.0	2.79	11.86	210	" "	" "
1444	55		72.55	4.8	7.05	0.635	11.2	2.79	11.87	217	" "	" "
1449	60		72.50	6.1	7.02	0.635	21.2	2.87	11.83	235	" "	" "

Constituents Sampled	Container	Number	Preservative
VOC	glass	3	HCl

Well Casing Volumes

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

Well Information

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

Page 1 of 1

Date 5-2-19

Weather cloudy - 50's

Well Material ✓ PVC
SS

Sample Method Bladder Pump

Sample Method Bladder Pump

Method Bladder Pump

Sampled by 142

[illegible]

Well Location:	GT-14	Well Locked at Arrival:	Yes	/	No
Condition of Well:	Good	Well Locked at Departure:	Yes	/	No
Well Completion:	(Flush Mount) / Stick Up	Key Number To Well:			

Sample ID = GT-14-050219

GROUNDWATER SAMPLING LOG

Page ____ of ____

Project No. AP086277.3000

Well ID VRI-9

Date 5-3-19

Project Name/Location GE Riverview / von Roll, Schenectady, NY

Weather 50's cloudy

Measuring Pt. Description _____

Screen Setting (ft-bmp) _____

Casing Diameter (in.) 2

Well Material ☒ PVC ☐ SS

Static Water Level (ft-bmp) 64.75

Total Depth (ft-bmp) 69.67

Water Column/ Gallons in Well _____

MP Elevation _____

Pump Intake (ft-bmp) _____

Purge Method: _____

Sample Method Bladder Pump

Pump On/Off _____

Volumes Purged _____

Centrifugal _____

Submersible ☒

Other _____

Sample Tir Label Start _____ End _____

Replicate/ Code No. NO

Sampled by KL

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (mMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
				<u>N/A</u>	<u>6.14</u>	<u>0.813</u>	<u>161</u>	<u>136</u>	<u>11.15</u>	<u>271</u>	<u>Brown</u>	

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

Well Casing Volumes

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

Well Information

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

* Sample only - well went dry on 5-2-19 during purge *

GROUNDWATER SAMPLING LOG

Page ____ of ____

Project No. AP086277.3000

Well ID GT-15

Date 5-3-19

Project Name/Location GE - Riverview

Weather Rain 50's

Measuring Pt.

Screen

Casing

Well Material ☒ PVC

Description

Setting (ft-bmp)

Diameter (in.) 2

☐ SS

Static Water

Level (ft-bmp) 69.95

Total Depth (ft-bmp) 77.93

Water Column/

Gallons in Well

MP Elevation

Pump Intake (ft-bmp)

Purge Method:

Sample

Centrifugal

Method Bladder

Pump On/Off

Volumes Purged

Submersible ☒

Other

Sample Ti Label

Replicate/

Sampled by KL

Start

Code No. ms/msd

End

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (mMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
10:35			69.95									
10:40				0.25	6.84	0.982	171	9.55	11.46	226		
10:45			69.95	0.50	7.32	1.15	144	7.82	11.80	189		
10:50					7.31	1.16	120	7.73	11.81	194		
10:55			69.95		7.27	1.14	100	7.75	11.82	200		
11:00					7.24	1.11	79.6	7.81	11.88	205		
11:05					7.21	1.08	57.7	7.82	11.84	211		
11:10			69.95		7.20	1.06	49.2	6.84	11.88	214		
11:15					7.21	1.05	45.5	6.73	11.84	217		
11:20			69.95		7.20	1.05	40.2	7.77	11.86	220		
11:25					7.19	1.04	37.3	7.80	11.99	223		
11:30			69.95		7.21	1.04	35.9	6.11	12.04	223		
11:35					7.22	1.05	47.8	5.53	12.27	224		
11:40			69.95		7.23	1.04	50.7	6.34	12.28	224		
11:45			69.95		7.22	1.04	30.5	7.64	12.00	224		
11:50					7.23	1.05	20.5	7.77	12.08	222		

Constituents Sampled

VOC's

Container

40 mL VOA

Number

3

Preservative

HCL

Well Casing Volumes

Gallons/Foot 1" = 0.04

1.5" = 0.09

2.5" = 0.26

3.5" = 0.50

6" = 1.47

1.25" = 0.06

2" = 0.16

3" = 0.37

4" = 0.65

Well Information

Well Location: GT-15

Condition of Well: Good

Well Completion:

Flush Mount

/ Stick Up

Well Locked at Arrival:

Yes / ☒ No

Well Locked at Departure:

Yes / ☒ No

Key Number To Well:

GROUNDWATER SAMPLING LOG

Page 1 of Project No. Well ID GT-9RDate 5/3/19Project Name/Location GE RiverWeather rain, 82Measuring Pt.
Description TWCScreen
Setting (ft-bmp) Casing
Diameter (in.) 2Well Material X PVC
 SSStatic Water
Level (ft-bmp) 62.48Total Depth (ft-bmp) Water Column/
Gallons in Well MP Elevation 1027Pump Intake (ft-bmp) 1Purge Method: bladderSample
Method bladderPump On/Off 1023/1130Volumes Purged

Centrifugal

Submersible

Other Sample Ti Label 1125Replicate/
Code No. DWP-050319Sampled by JSStart 1125
End 1130

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (mMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1027	0		62.48	0	7.14	0.579	56.2	9.4	12.38	-43	brown	NA
1032	5		62.96	0.5	7.08	0.884	130	8.75	12.18	-39	"	"
1037	10		63.00	1.0	7.06	0.881	24.3	8.62	12.12	-38	cloudy	"
1042	15		63.00	1.5	7.01	0.891	50.2	8.29	12.06	-35	"	"
1047	20		63.02	2.0	6.98	0.905	26.5	8.21	12.09	-34	"	"
1052	25		63.08	2.5	6.97	0.916	20.0	8.03	12.09	-33	"	"
1057	30		63.04	2.8	6.95	0.923	16.6	7.88	12.10	-32	"	"
1102	35		63.08	3.1	6.93	0.931	13.5	7.63	12.11	-31	"	"
1107	40		63.02	3.5	6.91	0.942	11.7	7.56	12.13	-30	"	"
1112	45		63.06	3.8	6.87	0.950	8.2	7.40	12.17	-28	"	"
1117	50		63.01	4.1	6.85	0.965	4.3	7.23	12.20	-27	"	"
1122	55		63.02	4.4	6.83	0.971	3.2	7.13	12.20	-26	"	"

Constituents Sampled	Container	Number	Preservative
(GT-9R-050319)	VOC	3	HCl
(DWP-050319)	VOC	3	HCl

Well Casing Volumes

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

Well Information

Well Location: <u>Next to loading dock for bldg 33</u>	Well Locked at Arrival: Yes / <u>No</u>
Condition of Well: <u>Good</u>	Well Locked at Departure: Yes / <u>No</u>
Well Completion: <u>Flush Mount</u> / <u>Stick Up</u>	Key Number To Well: <u> </u>

Ditch next collect chips here b/c well went dry after 4.5 samples collected

GROUNDWATER SAMPLING LOG

Page ____ of ____

Project No. APO Well ID GT-7 Date 5-3-19

Project Name/Location GE - Riverview / Von Roll, Schenectady, NY Weather 50's - cloudy

Measuring Pt. Description _____ Screen Setting (ft-bmp) _____ Casing Diameter (in.) 4 Well Material ☒ PVC ☐ SS

Static Water Level (ft-bmp) 54.78 Total Depth (ft-bmp) 68.73 Water Column/ Gallons in Well _____

MP Elevation _____ Pump Intake (ft-bmp) _____ Purge Method: _____ Sample Method Bladder Pump

Pump On/Off _____ Volumes Purged _____ Centrifugal _____ Submersible ☒ Other _____

Sample Tag Label 1345 Replicate/ Code No. po Sampled by KJ

Start _____ End _____

Sample ID = GT-7-050319

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (mMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
12:55			54.78	0.25	7.34	1.21	93.4	7.59	12.82	210	clear	NO
13:00				0.75	7.34	1.52	299	7.09	13.97	197	murky	
13:05			52.2	1	7.33	1.49	385	6.95	13.99	201	murky	
13:10			57.6	1.5	7.34	1.45	649	6.93	14.05	206	cloudy	
13:15			57.63	2.0	7.38	1.36	714	6.99	14.12	209	cloudy	
13:20			57.65	2.3	7.42	1.37	210	6.76	14.33	210		
13:25				2.5	7.42	1.36	132	6.89	14.26	209		
13:30			59.15	2.75	7.43	1.38	85.2	7.00	14.34	208	clear	
13:35				3.00	7.44	1.39	564	7.10	14.42	206		
13:40			60.87	3.3	7.49	1.39	31.2	7.35	14.37	201	clear	

Constituents Sampled	Container	Number	Preservative
<u>VOCS</u>	<u>40 mL VOA</u>	<u>3</u>	<u>HCL</u>

Well Casing Volumes

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

Well Information

Well Location: <u>GT-7</u>	Well Locked at Arrival: Yes / <u>No</u>
Condition of Well: <u>Good (Missing Gripper Cap)</u>	Well Locked at Departure: Yes / <u>No</u>
Well Completion: <u>Flush Mount / (Stick Up)</u>	Key Number To Well: _____

Slowed down flow @ 1315

Page 1 of 1

GT-16

5/3/19

cloudy 50%

Well Material X PVC
 SS

Sample Method *Shedder*

Sample

Other

Sampled by

[illegible]

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

Well Location:	roadway edge	Well Locked at Arrival:	Yes	/	No
Condition of Well:	good - leaky living in well house	Well Locked at Departure:	Yes	/	No
Well Completion:	Flush Mount / Stick Up	Key Number To Well:			



ARCADIS

Water Level Measurement Form

Page 1 of Project Name: GEIMI RiverviewDate: 5/1/2019Project Number: AP086277.3000Weather: 50's + cloudyField Personnel: J. Steigerwald / K. Liloia

Well Casing Volumes

gallon/foot

1-1/4" = 0.06

2" = 0.16

3" = 0.37

4" = 0.65

1-1/2" = 0.09

2-1/2" = 0.26

3-1/2" = 0.50

6" = 1.47

Well ID	Time	Measuring Point	TSD (ft)	DTP (ft)	DTW (ft)	Notes
SMW-1	10:00	TWC	—	—	62.41	
SMW-2	10:11	TWC			64.88	tubing down well, can't reach
GT-3	10:15				61.19	" "
GT-12	10:20					outside fence area
GT-1	10:20				62.832	stand pipe crushed
GT-2	10:25				62.95	stand pipe crushed
GT-10	10:30				64.63	
GT-10 VRI-10	10:33				64.84	
IW-7	10:51				63.77	
IW-6	10:53				63.49	
IW-5	10:55				63.54	
IW-4	10:57				63.49	
VRI-2	10:59				68.20	
VRI-9	11:17 11:24				64.73	bee in c/s sprayed w/ Raid
IW-1	11:12				63.94	
VRI-1	11:15				63.95	
IW-3	11:17				63.79	
IW-2	11:20				63.96	
GT-9R	11:25				62.65	
VRI-4	11:32				71.83	

Notes:

Water Level Measurement Form

Page 2 of 2

Project Name: GE IMI Review

Date: 5/1/2019

Project Number: AP086277.3000

Weather: 50s + cloudy

Field Personnel: J. Steigewald / K Liloia

Well Casing Volumes

gallon/foot

 $1\frac{1}{4}'' = 0.06$
$$2'' = 0.16$$
$$3'' = 0.37$$
 $4'' = 0.65$
$$1\frac{1}{2}'' = 0.09$$
$$2\frac{1}{2}'' = 0.26$$
$$3\frac{1}{2}'' = 0.50$$
$$6'' = 1.47$$
[illegible]

Notes:

APPENDIX B

2019 Groundwater Analytical Data Package



ANALYTICAL REPORT

Job Number: 480-152909-1

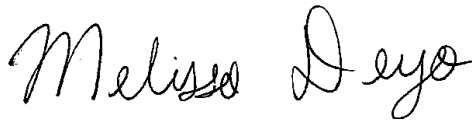
Job Description: GE Rotterdam, NY - GW 2019

Contract Number: TAAT092507-R010110

For:

ARCADIS U.S. Inc
One Lincoln Center
110 West Fayette St, Suite 300
Syracuse, NY 13202

Attention: Ms. Suzie Ellsworth



Approved for release.
Melissa L Deyo
Project Manager I
5/17/2019 12:46 PM

Melissa L Deyo, Project Manager I
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9874
melissa.deyo@testamericainc.com
05/17/2019

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

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**Job Narrative
480-152909-1**

Receipt

The samples were received on 5/3/2019 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-472168 recovered above the upper control limit for Chlorodibromomethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: IW7-050119 (480-152909-8), IW-2-050119 (480-152909-10), VRI-I-050119 (480-152909-11) and TRIP BLANK (480-152909-12).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-472168 recovered outside control limits for the following analytes: Bromoform and Chlorodibromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: IW7-050119 (480-152909-8), IW-2-050119 (480-152909-10), VRI-I-050119 (480-152909-11) and TRIP BLANK (480-152909-12).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: IW7-050119 (480-152909-8) and IW-2-050119 (480-152909-10). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-472206 recovered above the upper control limit for Bromoform, Carbon tetrachloride, Dibromochloromethane and Bromodichloromethane. The samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported. The following samples are impacted: IW7-050119 (480-152909-8) and IW-3-050119 (480-152909-9).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-472206 recovered outside control limits for the following analytes: 1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,2-Dichloropropane, Carbon tetrachloride, Chloroethane, Chloromethane, Dibromochloromethane, Bromodichloromethane, Tetrachloroethene and cis-1,3-Dichloropropene and Bromoform. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: IW7-050119 (480-152909-8) and IW-3-050119 (480-152909-9).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: IW7-050119 (480-152909-8) and IW-3-050119 (480-152909-9). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Surrogate recovery for LCS 480-472206/5 was outside the upper control limit. Due to holding time limitations the samples were not reanalyzed. The following samples were impacted: IW7-050119 (480-152909-8) and IW-3-050119 (480-152909-9).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-472381 recovered outside acceptance criteria, low biased, for 1,2,4-Trichlorobenzene, Methyl tert-butyl ether and 1,2-Dichloroethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: GT-14-050219 (480-152909-1), IW-5-050219 (480-152909-2), VRI-2-050219 (480-152909-3), IW-6-050219 (480-152909-4), VRI-3-050219 (480-152909-6) and EB-050219 (480-152909-7).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: IW-5-050219 (480-152909-2) and IW-6-050219 (480-152909-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-472454 recovered outside acceptance criteria, low biased, for Methyl tert-butyl ether. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: IW-6-050219 (480-152909-4) and IW-4-050219 (480-152909-5).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-472454 recovered outside control limits for the following analyte: Methyl acetate. Methyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-analysis was not performed. The following samples are impacted: IW-6-050219 (480-152909-4) and IW-4-050219 (480-152909-5).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: IW-6-050219 (480-152909-4) and IW-4-050219 (480-152909-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The initial calibration curve analyzed in analytical batch 480-468875 and associated with analytical batches 480-472206 and 480-472168 was outside acceptance criteria for the analyte Bromoform. A standard at the reporting limit (RL) was analyzed and found to be acceptable. Since the associated samples were non-detect for this analyte, the data has been reported.

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

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-152909-1	GT-14-050219	Water	05/02/19 14:25	05/03/19 01:00
480-152909-2	IW-5-050219	Water	05/02/19 12:05	05/03/19 01:00
480-152909-3	VRI-2-050219	Water	05/02/19 11:17	05/03/19 01:00
480-152909-4	IW-6-050219	Water	05/02/19 09:20	05/03/19 01:00
480-152909-5	IW-4-050219	Water	05/02/19 09:20	05/03/19 01:00
480-152909-6	VRI-3-050219	Water	05/02/19 14:55	05/03/19 01:00
480-152909-7	EB-050219	Water	05/02/19 15:10	05/03/19 01:00
480-152909-8	IW7-050119	Water	05/01/19 03:00	05/03/19 01:00
480-152909-9	IW-3-050119	Water	05/01/19 15:15	05/03/19 01:00
480-152909-10	IW-2-050119	Water	05/01/19 16:50	05/03/19 01:00
480-152909-11	VRI-I-050119	Water	05/01/19 05:00	05/03/19 01:00
480-152909-12	TRIP BLANK	Water	05/01/19 00:00	05/03/19 01:00

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: GT-14-050219

Lab Sample ID: 480-152909-1

No Detections.

Client Sample ID: IW-5-050219

Lab Sample ID: 480-152909-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	580		20	15	ug/L	20		8260C	Total/NA
1,3,5-Trimethylbenzene	490		20	15	ug/L	20		8260C	Total/NA
Isopropylbenzene	18	J	20	16	ug/L	20		8260C	Total/NA
N-Propylbenzene	17	J	20	14	ug/L	20		8260C	Total/NA
Xylenes, Total	200		40	13	ug/L	20		8260C	Total/NA

Client Sample ID: VRI-2-050219

Lab Sample ID: 480-152909-3

No Detections.

Client Sample ID: IW-6-050219

Lab Sample ID: 480-152909-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	7700	E	40	30	ug/L	40		8260C	Total/NA
1,3,5-Trimethylbenzene	4000		40	31	ug/L	40		8260C	Total/NA
Ethylbenzene	37	J	40	30	ug/L	40		8260C	Total/NA
Isopropylbenzene	510		40	32	ug/L	40		8260C	Total/NA
N-Propylbenzene	540		40	28	ug/L	40		8260C	Total/NA
Xylenes, Total	6900	E	80	26	ug/L	40		8260C	Total/NA
1,2,4-Trimethylbenzene - DL	7200		200	150	ug/L	200		8260C	Total/NA
1,3,5-Trimethylbenzene - DL	3800		200	150	ug/L	200		8260C	Total/NA
Isopropylbenzene - DL	470		200	160	ug/L	200		8260C	Total/NA
N-Propylbenzene - DL	510		200	140	ug/L	200		8260C	Total/NA
Xylenes, Total - DL	6600		400	130	ug/L	200		8260C	Total/NA

Client Sample ID: IW-4-050219

Lab Sample ID: 480-152909-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	460		10	7.5	ug/L	10		8260C	Total/NA
1,3,5-Trimethylbenzene	330		10	7.7	ug/L	10		8260C	Total/NA
Isopropylbenzene	24		10	7.9	ug/L	10		8260C	Total/NA
N-Propylbenzene	28		10	6.9	ug/L	10		8260C	Total/NA
Xylenes, Total	55		20	6.6	ug/L	10		8260C	Total/NA

Client Sample ID: VRI-3-050219

Lab Sample ID: 480-152909-6

No Detections.

Client Sample ID: EB-050219

Lab Sample ID: 480-152909-7

No Detections.

Client Sample ID: IW7-050119

Lab Sample ID: 480-152909-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	2100	E	10	7.5	ug/L	10		8260C	Total/NA
1,3,5-Trimethylbenzene	1200	E	10	7.7	ug/L	10		8260C	Total/NA
Ethylbenzene	13		10	7.4	ug/L	10		8260C	Total/NA
Isopropylbenzene	98		10	7.9	ug/L	10		8260C	Total/NA
Methylene Chloride	7.1	J	10	4.4	ug/L	10		8260C	Total/NA
N-Propylbenzene	80		10	6.9	ug/L	10		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW7-050119 (Continued)

Lab Sample ID: 480-152909-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Xylenes, Total	2000	E	20	6.6	ug/L	10			8260C	Total/NA
1,2,4-Trimethylbenzene - DL	2100		50	38	ug/L	50			8260C	Total/NA
1,3,5-Trimethylbenzene - DL	1300		50	39	ug/L	50			8260C	Total/NA
Isopropylbenzene - DL	120		50	40	ug/L	50			8260C	Total/NA
N-Propylbenzene - DL	96		50	35	ug/L	50			8260C	Total/NA
Xylenes, Total - DL	2000		100	33	ug/L	50			8260C	Total/NA

Client Sample ID: IW-3-050119

Lab Sample ID: 480-152909-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	250		4.0	3.0	ug/L	4			8260C	Total/NA
1,3,5-Trimethylbenzene	280		4.0	3.1	ug/L	4			8260C	Total/NA
Isopropylbenzene	12		4.0	3.2	ug/L	4			8260C	Total/NA
Methylene Chloride	2.0	J	4.0	1.8	ug/L	4			8260C	Total/NA
N-Propylbenzene	15		4.0	2.8	ug/L	4			8260C	Total/NA
Xylenes, Total	100		8.0	2.6	ug/L	4			8260C	Total/NA

Client Sample ID: IW-2-050119

Lab Sample ID: 480-152909-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	420		10	7.5	ug/L	10			8260C	Total/NA
1,3,5-Trimethylbenzene	220		10	7.7	ug/L	10			8260C	Total/NA
Isopropylbenzene	37		10	7.9	ug/L	10			8260C	Total/NA
Methylene Chloride	4.9	J	10	4.4	ug/L	10			8260C	Total/NA
N-Propylbenzene	36		10	6.9	ug/L	10			8260C	Total/NA
Xylenes, Total	610		20	6.6	ug/L	10			8260C	Total/NA

Client Sample ID: VRI-I-050119

Lab Sample ID: 480-152909-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1.8		1.0	0.75	ug/L	1			8260C	Total/NA
1,3,5-Trimethylbenzene	18		1.0	0.77	ug/L	1			8260C	Total/NA
Isopropylbenzene	1.3		1.0	0.79	ug/L	1			8260C	Total/NA
N-Propylbenzene	1.1		1.0	0.69	ug/L	1			8260C	Total/NA
Xylenes, Total	13		2.0	0.66	ug/L	1			8260C	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-152909-12

No Detections.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

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

Protocol References:

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

Laboratory References:

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

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: GT-14-050219

Lab Sample ID: 480-152909-1

Date Collected: 05/02/19 14:25

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/11/19 14:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/11/19 14:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/11/19 14:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/11/19 14:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/11/19 14:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/11/19 14:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/11/19 14:21	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/11/19 14:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/11/19 14:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/11/19 14:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/11/19 14:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/11/19 14:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/11/19 14:21	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/11/19 14:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/11/19 14:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/11/19 14:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/11/19 14:21	1
2-Hexanone	ND		5.0	1.2	ug/L			05/11/19 14:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/11/19 14:21	1
Acetone	ND		10	3.0	ug/L			05/11/19 14:21	1
Benzene	ND		1.0	0.41	ug/L			05/11/19 14:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/11/19 14:21	1
Bromoform	ND		1.0	0.26	ug/L			05/11/19 14:21	1
Bromomethane	ND		1.0	0.69	ug/L			05/11/19 14:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/11/19 14:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/11/19 14:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/11/19 14:21	1
Chloroethane	ND		1.0	0.32	ug/L			05/11/19 14:21	1
Chloroform	ND		1.0	0.34	ug/L			05/11/19 14:21	1
Chloromethane	ND		1.0	0.35	ug/L			05/11/19 14:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/11/19 14:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/11/19 14:21	1
Cyclohexane	ND		1.0	0.18	ug/L			05/11/19 14:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/11/19 14:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/11/19 14:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/11/19 14:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/11/19 14:21	1
Methyl acetate	ND		2.5	1.3	ug/L			05/11/19 14:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/11/19 14:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/11/19 14:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/11/19 14:21	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/11/19 14:21	1
Styrene	ND		1.0	0.73	ug/L			05/11/19 14:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/11/19 14:21	1
Toluene	ND		1.0	0.51	ug/L			05/11/19 14:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/11/19 14:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/11/19 14:21	1
Trichloroethene	ND		1.0	0.46	ug/L			05/11/19 14:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/11/19 14:21	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: GT-14-050219

Lab Sample ID: 480-152909-1

Date Collected: 05/02/19 14:25

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			05/11/19 14:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/11/19 14:21	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120					05/11/19 14:21	1
4-Bromofluorobenzene (Surr)	87		73 - 120					05/11/19 14:21	1
Dibromofluoromethane (Surr)	96		75 - 123					05/11/19 14:21	1
Toluene-d8 (Surr)	94		80 - 120					05/11/19 14:21	1

Client Sample ID: IW-5-050219

Lab Sample ID: 480-152909-2

Date Collected: 05/02/19 12:05

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			05/11/19 14:45	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			05/11/19 14:45	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			05/11/19 14:45	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			05/11/19 14:45	20
1,1-Dichloroethane	ND		20	7.6	ug/L			05/11/19 14:45	20
1,1-Dichloroethene	ND		20	5.8	ug/L			05/11/19 14:45	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			05/11/19 14:45	20
1,2,4-Trimethylbenzene	580		20	15	ug/L			05/11/19 14:45	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			05/11/19 14:45	20
1,2-Dibromoethane	ND		20	15	ug/L			05/11/19 14:45	20
1,2-Dichlorobenzene	ND		20	16	ug/L			05/11/19 14:45	20
1,2-Dichloroethane	ND		20	4.2	ug/L			05/11/19 14:45	20
1,2-Dichloropropane	ND		20	14	ug/L			05/11/19 14:45	20
1,3,5-Trimethylbenzene	490		20	15	ug/L			05/11/19 14:45	20
1,3-Dichlorobenzene	ND		20	16	ug/L			05/11/19 14:45	20
1,4-Dichlorobenzene	ND		20	17	ug/L			05/11/19 14:45	20
2-Butanone (MEK)	ND		200	26	ug/L			05/11/19 14:45	20
2-Hexanone	ND		100	25	ug/L			05/11/19 14:45	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			05/11/19 14:45	20
Acetone	ND		200	60	ug/L			05/11/19 14:45	20
Benzene	ND		20	8.2	ug/L			05/11/19 14:45	20
Bromodichloromethane	ND		20	7.8	ug/L			05/11/19 14:45	20
Bromoform	ND		20	5.2	ug/L			05/11/19 14:45	20
Bromomethane	ND		20	14	ug/L			05/11/19 14:45	20
Carbon disulfide	ND		20	3.8	ug/L			05/11/19 14:45	20
Carbon tetrachloride	ND		20	5.4	ug/L			05/11/19 14:45	20
Chlorobenzene	ND		20	15	ug/L			05/11/19 14:45	20
Chloroethane	ND		20	6.4	ug/L			05/11/19 14:45	20
Chloroform	ND		20	6.8	ug/L			05/11/19 14:45	20
Chloromethane	ND		20	7.0	ug/L			05/11/19 14:45	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			05/11/19 14:45	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			05/11/19 14:45	20
Cyclohexane	ND		20	3.6	ug/L			05/11/19 14:45	20
Dibromochloromethane	ND		20	6.4	ug/L			05/11/19 14:45	20
Dichlorodifluoromethane	ND		20	14	ug/L			05/11/19 14:45	20

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW-5-050219

Lab Sample ID: 480-152909-2

Date Collected: 05/02/19 12:05

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		20	15	ug/L			05/11/19 14:45	20
Isopropylbenzene	18	J	20	16	ug/L			05/11/19 14:45	20
Methyl acetate	ND		50	26	ug/L			05/11/19 14:45	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			05/11/19 14:45	20
Methylcyclohexane	ND		20	3.2	ug/L			05/11/19 14:45	20
Methylene Chloride	ND		20	8.8	ug/L			05/11/19 14:45	20
N-Propylbenzene	17	J	20	14	ug/L			05/11/19 14:45	20
Styrene	ND		20	15	ug/L			05/11/19 14:45	20
Tetrachloroethene	ND		20	7.2	ug/L			05/11/19 14:45	20
Toluene	ND		20	10	ug/L			05/11/19 14:45	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			05/11/19 14:45	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			05/11/19 14:45	20
Trichloroethene	ND		20	9.2	ug/L			05/11/19 14:45	20
Trichlorofluoromethane	ND		20	18	ug/L			05/11/19 14:45	20
Vinyl chloride	ND		20	18	ug/L			05/11/19 14:45	20
Xylenes, Total	200		40	13	ug/L			05/11/19 14:45	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		05/11/19 14:45	20
4-Bromofluorobenzene (Surr)	91		73 - 120		05/11/19 14:45	20
Dibromofluoromethane (Surr)	97		75 - 123		05/11/19 14:45	20
Toluene-d8 (Surr)	98		80 - 120		05/11/19 14:45	20

Client Sample ID: VRI-2-050219

Lab Sample ID: 480-152909-3

Date Collected: 05/02/19 11:17

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/11/19 15:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/11/19 15:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/11/19 15:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/11/19 15:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/11/19 15:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/11/19 15:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/11/19 15:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/11/19 15:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/11/19 15:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/11/19 15:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/11/19 15:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/11/19 15:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/11/19 15:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/11/19 15:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/11/19 15:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/11/19 15:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/11/19 15:08	1
2-Hexanone	ND		5.0	1.2	ug/L			05/11/19 15:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/11/19 15:08	1
Acetone	ND		10	3.0	ug/L			05/11/19 15:08	1
Benzene	ND		1.0	0.41	ug/L			05/11/19 15:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: VRI-2-050219

Lab Sample ID: 480-152909-3

Date Collected: 05/02/19 11:17

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			05/11/19 15:08	1
Bromoform	ND		1.0	0.26	ug/L			05/11/19 15:08	1
Bromomethane	ND		1.0	0.69	ug/L			05/11/19 15:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/11/19 15:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/11/19 15:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/11/19 15:08	1
Chloroethane	ND		1.0	0.32	ug/L			05/11/19 15:08	1
Chloroform	ND		1.0	0.34	ug/L			05/11/19 15:08	1
Chloromethane	ND		1.0	0.35	ug/L			05/11/19 15:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/11/19 15:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/11/19 15:08	1
Cyclohexane	ND		1.0	0.18	ug/L			05/11/19 15:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/11/19 15:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/11/19 15:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/11/19 15:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/11/19 15:08	1
Methyl acetate	ND		2.5	1.3	ug/L			05/11/19 15:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/11/19 15:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/11/19 15:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/11/19 15:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/11/19 15:08	1
Styrene	ND		1.0	0.73	ug/L			05/11/19 15:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/11/19 15:08	1
Toluene	ND		1.0	0.51	ug/L			05/11/19 15:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/11/19 15:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/11/19 15:08	1
Trichloroethene	ND		1.0	0.46	ug/L			05/11/19 15:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/11/19 15:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/11/19 15:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/11/19 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		05/11/19 15:08	1
4-Bromofluorobenzene (Surr)	87		73 - 120		05/11/19 15:08	1
Dibromofluoromethane (Surr)	96		75 - 123		05/11/19 15:08	1
Toluene-d8 (Surr)	98		80 - 120		05/11/19 15:08	1

Client Sample ID: IW-6-050219

Lab Sample ID: 480-152909-4

Date Collected: 05/02/19 09:20

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			05/11/19 15:31	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			05/11/19 15:31	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			05/11/19 15:31	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			05/11/19 15:31	40
1,1-Dichloroethane	ND		40	15	ug/L			05/11/19 15:31	40
1,1-Dichloroethene	ND		40	12	ug/L			05/11/19 15:31	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			05/11/19 15:31	40

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW-6-050219

Lab Sample ID: 480-152909-4

Date Collected: 05/02/19 09:20

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	7700	E	40	30	ug/L			05/11/19 15:31	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			05/11/19 15:31	40
1,2-Dibromoethane	ND		40	29	ug/L			05/11/19 15:31	40
1,2-Dichlorobenzene	ND		40	32	ug/L			05/11/19 15:31	40
1,2-Dichloroethane	ND		40	8.4	ug/L			05/11/19 15:31	40
1,2-Dichloropropane	ND		40	29	ug/L			05/11/19 15:31	40
1,3,5-Trimethylbenzene	4000		40	31	ug/L			05/11/19 15:31	40
1,3-Dichlorobenzene	ND		40	31	ug/L			05/11/19 15:31	40
1,4-Dichlorobenzene	ND		40	34	ug/L			05/11/19 15:31	40
2-Butanone (MEK)	ND		400	53	ug/L			05/11/19 15:31	40
2-Hexanone	ND		200	50	ug/L			05/11/19 15:31	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			05/11/19 15:31	40
Acetone	ND		400	120	ug/L			05/11/19 15:31	40
Benzene	ND		40	16	ug/L			05/11/19 15:31	40
Bromodichloromethane	ND		40	16	ug/L			05/11/19 15:31	40
Bromoform	ND		40	10	ug/L			05/11/19 15:31	40
Bromomethane	ND		40	28	ug/L			05/11/19 15:31	40
Carbon disulfide	ND		40	7.6	ug/L			05/11/19 15:31	40
Carbon tetrachloride	ND		40	11	ug/L			05/11/19 15:31	40
Chlorobenzene	ND		40	30	ug/L			05/11/19 15:31	40
Chloroethane	ND		40	13	ug/L			05/11/19 15:31	40
Chloroform	ND		40	14	ug/L			05/11/19 15:31	40
Chloromethane	ND		40	14	ug/L			05/11/19 15:31	40
cis-1,2-Dichloroethene	ND		40	32	ug/L			05/11/19 15:31	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			05/11/19 15:31	40
Cyclohexane	ND		40	7.2	ug/L			05/11/19 15:31	40
Dibromochloromethane	ND		40	13	ug/L			05/11/19 15:31	40
Dichlorodifluoromethane	ND		40	27	ug/L			05/11/19 15:31	40
Ethylbenzene	37	J	40	30	ug/L			05/11/19 15:31	40
Isopropylbenzene	510		40	32	ug/L			05/11/19 15:31	40
Methyl acetate	ND		100	52	ug/L			05/11/19 15:31	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			05/11/19 15:31	40
Methylcyclohexane	ND		40	6.4	ug/L			05/11/19 15:31	40
Methylene Chloride	ND		40	18	ug/L			05/11/19 15:31	40
N-Propylbenzene	540		40	28	ug/L			05/11/19 15:31	40
Styrene	ND		40	29	ug/L			05/11/19 15:31	40
Tetrachloroethene	ND		40	14	ug/L			05/11/19 15:31	40
Toluene	ND		40	20	ug/L			05/11/19 15:31	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			05/11/19 15:31	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			05/11/19 15:31	40
Trichloroethene	ND		40	18	ug/L			05/11/19 15:31	40
Trichlorofluoromethane	ND		40	35	ug/L			05/11/19 15:31	40
Vinyl chloride	ND		40	36	ug/L			05/11/19 15:31	40
Xylenes, Total	6900	E	80	26	ug/L			05/11/19 15:31	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		05/11/19 15:31	40
4-Bromofluorobenzene (Surr)	92		73 - 120		05/11/19 15:31	40
Dibromofluoromethane (Surr)	96		75 - 123		05/11/19 15:31	40
Toluene-d8 (Surr)	95		80 - 120		05/11/19 15:31	40

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW-6-050219

Lab Sample ID: 480-152909-4

Date Collected: 05/02/19 09:20

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200	160	ug/L			05/13/19 11:35	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			05/13/19 11:35	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62	ug/L			05/13/19 11:35	200
1,1,2-Trichloroethane	ND		200	46	ug/L			05/13/19 11:35	200
1,1-Dichloroethane	ND		200	76	ug/L			05/13/19 11:35	200
1,1-Dichloroethene	ND		200	58	ug/L			05/13/19 11:35	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			05/13/19 11:35	200
1,2,4-Trimethylbenzene	7200		200	150	ug/L			05/13/19 11:35	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			05/13/19 11:35	200
1,2-Dibromoethane	ND		200	150	ug/L			05/13/19 11:35	200
1,2-Dichlorobenzene	ND		200	160	ug/L			05/13/19 11:35	200
1,2-Dichloroethane	ND		200	42	ug/L			05/13/19 11:35	200
1,2-Dichloropropane	ND		200	140	ug/L			05/13/19 11:35	200
1,3,5-Trimethylbenzene	3800		200	150	ug/L			05/13/19 11:35	200
1,3-Dichlorobenzene	ND		200	160	ug/L			05/13/19 11:35	200
1,4-Dichlorobenzene	ND		200	170	ug/L			05/13/19 11:35	200
2-Butanone (MEK)	ND		2000	260	ug/L			05/13/19 11:35	200
2-Hexanone	ND		1000	250	ug/L			05/13/19 11:35	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			05/13/19 11:35	200
Acetone	ND		2000	600	ug/L			05/13/19 11:35	200
Benzene	ND		200	82	ug/L			05/13/19 11:35	200
Bromodichloromethane	ND		200	78	ug/L			05/13/19 11:35	200
Bromoform	ND		200	52	ug/L			05/13/19 11:35	200
Bromomethane	ND		200	140	ug/L			05/13/19 11:35	200
Carbon disulfide	ND		200	38	ug/L			05/13/19 11:35	200
Carbon tetrachloride	ND		200	54	ug/L			05/13/19 11:35	200
Chlorobenzene	ND		200	150	ug/L			05/13/19 11:35	200
Chloroethane	ND		200	64	ug/L			05/13/19 11:35	200
Chloroform	ND		200	68	ug/L			05/13/19 11:35	200
Chloromethane	ND		200	70	ug/L			05/13/19 11:35	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			05/13/19 11:35	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			05/13/19 11:35	200
Cyclohexane	ND		200	36	ug/L			05/13/19 11:35	200
Dibromochloromethane	ND		200	64	ug/L			05/13/19 11:35	200
Dichlorodifluoromethane	ND		200	140	ug/L			05/13/19 11:35	200
Ethylbenzene	ND		200	150	ug/L			05/13/19 11:35	200
Isopropylbenzene	470		200	160	ug/L			05/13/19 11:35	200
Methyl acetate	ND *		500	260	ug/L			05/13/19 11:35	200
Methyl tert-butyl ether	ND		200	32	ug/L			05/13/19 11:35	200
Methylcyclohexane	ND		200	32	ug/L			05/13/19 11:35	200
Methylene Chloride	ND		200	88	ug/L			05/13/19 11:35	200
N-Propylbenzene	510		200	140	ug/L			05/13/19 11:35	200
Styrene	ND		200	150	ug/L			05/13/19 11:35	200
Tetrachloroethene	ND		200	72	ug/L			05/13/19 11:35	200
Toluene	ND		200	100	ug/L			05/13/19 11:35	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			05/13/19 11:35	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			05/13/19 11:35	200
Trichloroethene	ND		200	92	ug/L			05/13/19 11:35	200
Trichlorofluoromethane	ND		200	180	ug/L			05/13/19 11:35	200

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW-6-050219

Lab Sample ID: 480-152909-4

Date Collected: 05/02/19 09:20

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		200	180	ug/L			05/13/19 11:35	200
Xylenes, Total	6600		400	130	ug/L			05/13/19 11:35	200

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120					05/13/19 11:35	200
4-Bromofluorobenzene (Surr)	96		73 - 120					05/13/19 11:35	200
Dibromofluoromethane (Surr)	92		75 - 123					05/13/19 11:35	200
Toluene-d8 (Surr)	98		80 - 120					05/13/19 11:35	200

Client Sample ID: IW-4-050219

Lab Sample ID: 480-152909-5

Date Collected: 05/02/19 09:20

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			05/13/19 11:58	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			05/13/19 11:58	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			05/13/19 11:58	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			05/13/19 11:58	10
1,1-Dichloroethane	ND		10	3.8	ug/L			05/13/19 11:58	10
1,1-Dichloroethene	ND		10	2.9	ug/L			05/13/19 11:58	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			05/13/19 11:58	10
1,2,4-Trimethylbenzene	460		10	7.5	ug/L			05/13/19 11:58	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			05/13/19 11:58	10
1,2-Dibromoethane	ND		10	7.3	ug/L			05/13/19 11:58	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			05/13/19 11:58	10
1,2-Dichloroethane	ND		10	2.1	ug/L			05/13/19 11:58	10
1,2-Dichloropropane	ND		10	7.2	ug/L			05/13/19 11:58	10
1,3,5-Trimethylbenzene	330		10	7.7	ug/L			05/13/19 11:58	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			05/13/19 11:58	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			05/13/19 11:58	10
2-Butanone (MEK)	ND		100	13	ug/L			05/13/19 11:58	10
2-Hexanone	ND		50	12	ug/L			05/13/19 11:58	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			05/13/19 11:58	10
Acetone	ND		100	30	ug/L			05/13/19 11:58	10
Benzene	ND		10	4.1	ug/L			05/13/19 11:58	10
Bromodichloromethane	ND		10	3.9	ug/L			05/13/19 11:58	10
Bromoform	ND		10	2.6	ug/L			05/13/19 11:58	10
Bromomethane	ND		10	6.9	ug/L			05/13/19 11:58	10
Carbon disulfide	ND		10	1.9	ug/L			05/13/19 11:58	10
Carbon tetrachloride	ND		10	2.7	ug/L			05/13/19 11:58	10
Chlorobenzene	ND		10	7.5	ug/L			05/13/19 11:58	10
Chloroethane	ND		10	3.2	ug/L			05/13/19 11:58	10
Chloroform	ND		10	3.4	ug/L			05/13/19 11:58	10
Chloromethane	ND		10	3.5	ug/L			05/13/19 11:58	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			05/13/19 11:58	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			05/13/19 11:58	10
Cyclohexane	ND		10	1.8	ug/L			05/13/19 11:58	10
Dibromochloromethane	ND		10	3.2	ug/L			05/13/19 11:58	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			05/13/19 11:58	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW-4-050219

Lab Sample ID: 480-152909-5

Date Collected: 05/02/19 09:20

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		10	7.4	ug/L			05/13/19 11:58	10
Isopropylbenzene	24		10	7.9	ug/L			05/13/19 11:58	10
Methyl acetate	ND	*	25	13	ug/L			05/13/19 11:58	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			05/13/19 11:58	10
Methylcyclohexane	ND		10	1.6	ug/L			05/13/19 11:58	10
Methylene Chloride	ND		10	4.4	ug/L			05/13/19 11:58	10
N-Propylbenzene	28		10	6.9	ug/L			05/13/19 11:58	10
Styrene	ND		10	7.3	ug/L			05/13/19 11:58	10
Tetrachloroethene	ND		10	3.6	ug/L			05/13/19 11:58	10
Toluene	ND		10	5.1	ug/L			05/13/19 11:58	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			05/13/19 11:58	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			05/13/19 11:58	10
Trichloroethene	ND		10	4.6	ug/L			05/13/19 11:58	10
Trichlorofluoromethane	ND		10	8.8	ug/L			05/13/19 11:58	10
Vinyl chloride	ND		10	9.0	ug/L			05/13/19 11:58	10
Xylenes, Total	55		20	6.6	ug/L			05/13/19 11:58	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		05/13/19 11:58	10
4-Bromofluorobenzene (Surr)	89		73 - 120		05/13/19 11:58	10
Dibromofluoromethane (Surr)	93		75 - 123		05/13/19 11:58	10
Toluene-d8 (Surr)	98		80 - 120		05/13/19 11:58	10

Client Sample ID: VRI-3-050219

Lab Sample ID: 480-152909-6

Date Collected: 05/02/19 14:55

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/11/19 16:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/11/19 16:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/11/19 16:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/11/19 16:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/11/19 16:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/11/19 16:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/11/19 16:20	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/11/19 16:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/11/19 16:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/11/19 16:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/11/19 16:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/11/19 16:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/11/19 16:20	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/11/19 16:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/11/19 16:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/11/19 16:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/11/19 16:20	1
2-Hexanone	ND		5.0	1.2	ug/L			05/11/19 16:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/11/19 16:20	1
Acetone	ND		10	3.0	ug/L			05/11/19 16:20	1
Benzene	ND		1.0	0.41	ug/L			05/11/19 16:20	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: VRI-3-050219

Lab Sample ID: 480-152909-6

Date Collected: 05/02/19 14:55

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			05/11/19 16:20	1
Bromoform	ND		1.0	0.26	ug/L			05/11/19 16:20	1
Bromomethane	ND		1.0	0.69	ug/L			05/11/19 16:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/11/19 16:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/11/19 16:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/11/19 16:20	1
Chloroethane	ND		1.0	0.32	ug/L			05/11/19 16:20	1
Chloroform	ND		1.0	0.34	ug/L			05/11/19 16:20	1
Chloromethane	ND		1.0	0.35	ug/L			05/11/19 16:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/11/19 16:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/11/19 16:20	1
Cyclohexane	ND		1.0	0.18	ug/L			05/11/19 16:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/11/19 16:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/11/19 16:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/11/19 16:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/11/19 16:20	1
Methyl acetate	ND		2.5	1.3	ug/L			05/11/19 16:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/11/19 16:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/11/19 16:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/11/19 16:20	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/11/19 16:20	1
Styrene	ND		1.0	0.73	ug/L			05/11/19 16:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/11/19 16:20	1
Toluene	ND		1.0	0.51	ug/L			05/11/19 16:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/11/19 16:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/11/19 16:20	1
Trichloroethene	ND		1.0	0.46	ug/L			05/11/19 16:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/11/19 16:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/11/19 16:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/11/19 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		05/11/19 16:20	1
4-Bromofluorobenzene (Surr)	88		73 - 120		05/11/19 16:20	1
Dibromofluoromethane (Surr)	96		75 - 123		05/11/19 16:20	1
Toluene-d8 (Surr)	98		80 - 120		05/11/19 16:20	1

Client Sample ID: EB-050219

Lab Sample ID: 480-152909-7

Date Collected: 05/02/19 15:10

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/11/19 16:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/11/19 16:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/11/19 16:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/11/19 16:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/11/19 16:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/11/19 16:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/11/19 16:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: EB-050219

Lab Sample ID: 480-152909-7

Date Collected: 05/02/19 15:10

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/11/19 16:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/11/19 16:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/11/19 16:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/11/19 16:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/11/19 16:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/11/19 16:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/11/19 16:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/11/19 16:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/11/19 16:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/11/19 16:43	1
2-Hexanone	ND		5.0	1.2	ug/L			05/11/19 16:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/11/19 16:43	1
Acetone	ND		10	3.0	ug/L			05/11/19 16:43	1
Benzene	ND		1.0	0.41	ug/L			05/11/19 16:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/11/19 16:43	1
Bromoform	ND		1.0	0.26	ug/L			05/11/19 16:43	1
Bromomethane	ND		1.0	0.69	ug/L			05/11/19 16:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/11/19 16:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/11/19 16:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/11/19 16:43	1
Chloroethane	ND		1.0	0.32	ug/L			05/11/19 16:43	1
Chloroform	ND		1.0	0.34	ug/L			05/11/19 16:43	1
Chloromethane	ND		1.0	0.35	ug/L			05/11/19 16:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/11/19 16:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/11/19 16:43	1
Cyclohexane	ND		1.0	0.18	ug/L			05/11/19 16:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/11/19 16:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/11/19 16:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/11/19 16:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/11/19 16:43	1
Methyl acetate	ND		2.5	1.3	ug/L			05/11/19 16:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/11/19 16:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/11/19 16:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/11/19 16:43	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/11/19 16:43	1
Styrene	ND		1.0	0.73	ug/L			05/11/19 16:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/11/19 16:43	1
Toluene	ND		1.0	0.51	ug/L			05/11/19 16:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/11/19 16:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/11/19 16:43	1
Trichloroethene	ND		1.0	0.46	ug/L			05/11/19 16:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/11/19 16:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/11/19 16:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/11/19 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		05/11/19 16:43	1
4-Bromofluorobenzene (Surr)	87		73 - 120		05/11/19 16:43	1
Dibromofluoromethane (Surr)	95		75 - 123		05/11/19 16:43	1
Toluene-d8 (Surr)	94		80 - 120		05/11/19 16:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW7-050119

Lab Sample ID: 480-152909-8

Date Collected: 05/01/19 03:00

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			05/10/19 02:45	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			05/10/19 02:45	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			05/10/19 02:45	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			05/10/19 02:45	10
1,1-Dichloroethane	ND		10	3.8	ug/L			05/10/19 02:45	10
1,1-Dichloroethene	ND		10	2.9	ug/L			05/10/19 02:45	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			05/10/19 02:45	10
1,2,4-Trimethylbenzene	2100	E	10	7.5	ug/L			05/10/19 02:45	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			05/10/19 02:45	10
1,2-Dibromoethane	ND		10	7.3	ug/L			05/10/19 02:45	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			05/10/19 02:45	10
1,2-Dichloroethane	ND		10	2.1	ug/L			05/10/19 02:45	10
1,2-Dichloropropane	ND		10	7.2	ug/L			05/10/19 02:45	10
1,3,5-Trimethylbenzene	1200	E	10	7.7	ug/L			05/10/19 02:45	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			05/10/19 02:45	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			05/10/19 02:45	10
2-Butanone (MEK)	ND		100	13	ug/L			05/10/19 02:45	10
2-Hexanone	ND		50	12	ug/L			05/10/19 02:45	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			05/10/19 02:45	10
Acetone	ND		100	30	ug/L			05/10/19 02:45	10
Benzene	ND		10	4.1	ug/L			05/10/19 02:45	10
Bromodichloromethane	ND		10	3.9	ug/L			05/10/19 02:45	10
Bromoform	ND	*	10	2.6	ug/L			05/10/19 02:45	10
Bromomethane	ND		10	6.9	ug/L			05/10/19 02:45	10
Carbon disulfide	ND		10	1.9	ug/L			05/10/19 02:45	10
Carbon tetrachloride	ND		10	2.7	ug/L			05/10/19 02:45	10
Chlorobenzene	ND		10	7.5	ug/L			05/10/19 02:45	10
Chloroethane	ND		10	3.2	ug/L			05/10/19 02:45	10
Chloroform	ND		10	3.4	ug/L			05/10/19 02:45	10
Chloromethane	ND		10	3.5	ug/L			05/10/19 02:45	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			05/10/19 02:45	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			05/10/19 02:45	10
Cyclohexane	ND		10	1.8	ug/L			05/10/19 02:45	10
Dibromochloromethane	ND	*	10	3.2	ug/L			05/10/19 02:45	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			05/10/19 02:45	10
Ethylbenzene	13		10	7.4	ug/L			05/10/19 02:45	10
Isopropylbenzene	98		10	7.9	ug/L			05/10/19 02:45	10
Methyl acetate	ND		25	13	ug/L			05/10/19 02:45	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			05/10/19 02:45	10
Methylcyclohexane	ND		10	1.6	ug/L			05/10/19 02:45	10
Methylene Chloride	7.1	J	10	4.4	ug/L			05/10/19 02:45	10
N-Propylbenzene	80		10	6.9	ug/L			05/10/19 02:45	10
Styrene	ND		10	7.3	ug/L			05/10/19 02:45	10
Tetrachloroethene	ND		10	3.6	ug/L			05/10/19 02:45	10
Toluene	ND		10	5.1	ug/L			05/10/19 02:45	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			05/10/19 02:45	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			05/10/19 02:45	10
Trichloroethene	ND		10	4.6	ug/L			05/10/19 02:45	10
Trichlorofluoromethane	ND		10	8.8	ug/L			05/10/19 02:45	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW7-050119

Lab Sample ID: 480-152909-8

Date Collected: 05/01/19 03:00

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		10	9.0	ug/L			05/10/19 02:45	10
Xylenes, Total	2000	E	20	6.6	ug/L			05/10/19 02:45	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120					05/10/19 02:45	10
4-Bromofluorobenzene (Surr)	114		73 - 120					05/10/19 02:45	10
Dibromofluoromethane (Surr)	101		75 - 123					05/10/19 02:45	10
Toluene-d8 (Surr)	106		80 - 120					05/10/19 02:45	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	50	41	ug/L			05/10/19 13:00	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			05/10/19 13:00	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			05/10/19 13:00	50
1,1,2-Trichloroethane	ND		50	12	ug/L			05/10/19 13:00	50
1,1-Dichloroethane	ND	*	50	19	ug/L			05/10/19 13:00	50
1,1-Dichloroethene	ND		50	15	ug/L			05/10/19 13:00	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			05/10/19 13:00	50
1,2,4-Trimethylbenzene	2100		50	38	ug/L			05/10/19 13:00	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			05/10/19 13:00	50
1,2-Dibromoethane	ND		50	37	ug/L			05/10/19 13:00	50
1,2-Dichlorobenzene	ND		50	40	ug/L			05/10/19 13:00	50
1,2-Dichloroethane	ND	*	50	11	ug/L			05/10/19 13:00	50
1,2-Dichloropropane	ND	*	50	36	ug/L			05/10/19 13:00	50
1,3,5-Trimethylbenzene	1300		50	39	ug/L			05/10/19 13:00	50
1,3-Dichlorobenzene	ND		50	39	ug/L			05/10/19 13:00	50
1,4-Dichlorobenzene	ND		50	42	ug/L			05/10/19 13:00	50
2-Butanone (MEK)	ND		500	66	ug/L			05/10/19 13:00	50
2-Hexanone	ND		250	62	ug/L			05/10/19 13:00	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			05/10/19 13:00	50
Acetone	ND		500	150	ug/L			05/10/19 13:00	50
Benzene	ND		50	21	ug/L			05/10/19 13:00	50
Bromodichloromethane	ND	*	50	20	ug/L			05/10/19 13:00	50
Bromoform	ND	*	50	13	ug/L			05/10/19 13:00	50
Bromomethane	ND		50	35	ug/L			05/10/19 13:00	50
Carbon disulfide	ND		50	9.5	ug/L			05/10/19 13:00	50
Carbon tetrachloride	ND	*	50	14	ug/L			05/10/19 13:00	50
Chlorobenzene	ND		50	38	ug/L			05/10/19 13:00	50
Chloroethane	ND	*	50	16	ug/L			05/10/19 13:00	50
Chloroform	ND		50	17	ug/L			05/10/19 13:00	50
Chloromethane	ND	*	50	18	ug/L			05/10/19 13:00	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			05/10/19 13:00	50
cis-1,3-Dichloropropene	ND	*	50	18	ug/L			05/10/19 13:00	50
Cyclohexane	ND		50	9.0	ug/L			05/10/19 13:00	50
Dibromochloromethane	ND	*	50	16	ug/L			05/10/19 13:00	50
Dichlorodifluoromethane	ND		50	34	ug/L			05/10/19 13:00	50
Ethylbenzene	ND		50	37	ug/L			05/10/19 13:00	50
Isopropylbenzene	120		50	40	ug/L			05/10/19 13:00	50
Methyl acetate	ND		130	65	ug/L			05/10/19 13:00	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			05/10/19 13:00	50

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW7-050119

Lab Sample ID: 480-152909-8

Date Collected: 05/01/19 03:00

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		50	8.0	ug/L			05/10/19 13:00	50
Methylene Chloride	ND		50	22	ug/L			05/10/19 13:00	50
N-Propylbenzene	96		50	35	ug/L			05/10/19 13:00	50
Styrene	ND		50	37	ug/L			05/10/19 13:00	50
Tetrachloroethene	ND *		50	18	ug/L			05/10/19 13:00	50
Toluene	ND		50	26	ug/L			05/10/19 13:00	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			05/10/19 13:00	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			05/10/19 13:00	50
Trichloroethene	ND		50	23	ug/L			05/10/19 13:00	50
Trichlorofluoromethane	ND		50	44	ug/L			05/10/19 13:00	50
Vinyl chloride	ND		50	45	ug/L			05/10/19 13:00	50
Xylenes, Total	2000		100	33	ug/L			05/10/19 13:00	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		05/10/19 13:00	50
4-Bromofluorobenzene (Surr)	109		73 - 120		05/10/19 13:00	50
Dibromofluoromethane (Surr)	112		75 - 123		05/10/19 13:00	50
Toluene-d8 (Surr)	105		80 - 120		05/10/19 13:00	50

Client Sample ID: IW-3-050119

Lab Sample ID: 480-152909-9

Date Collected: 05/01/19 15:15

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	4.0	3.3	ug/L			05/10/19 13:25	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			05/10/19 13:25	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			05/10/19 13:25	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			05/10/19 13:25	4
1,1-Dichloroethane	ND	*	4.0	1.5	ug/L			05/10/19 13:25	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			05/10/19 13:25	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			05/10/19 13:25	4
1,2,4-Trimethylbenzene	250		4.0	3.0	ug/L			05/10/19 13:25	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			05/10/19 13:25	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			05/10/19 13:25	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			05/10/19 13:25	4
1,2-Dichloroethane	ND	*	4.0	0.84	ug/L			05/10/19 13:25	4
1,2-Dichloropropane	ND	*	4.0	2.9	ug/L			05/10/19 13:25	4
1,3,5-Trimethylbenzene	280		4.0	3.1	ug/L			05/10/19 13:25	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			05/10/19 13:25	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			05/10/19 13:25	4
2-Butanone (MEK)	ND		40	5.3	ug/L			05/10/19 13:25	4
2-Hexanone	ND		20	5.0	ug/L			05/10/19 13:25	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			05/10/19 13:25	4
Acetone	ND		40	12	ug/L			05/10/19 13:25	4
Benzene	ND		4.0	1.6	ug/L			05/10/19 13:25	4
Bromodichloromethane	ND	*	4.0	1.6	ug/L			05/10/19 13:25	4
Bromoform	ND	*	4.0	1.0	ug/L			05/10/19 13:25	4
Bromomethane	ND		4.0	2.8	ug/L			05/10/19 13:25	4
Carbon disulfide	ND		4.0	0.76	ug/L			05/10/19 13:25	4

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW-3-050119

Lab Sample ID: 480-152909-9

Date Collected: 05/01/19 15:15

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND	*	4.0	1.1	ug/L			05/10/19 13:25	4
Chlorobenzene	ND		4.0	3.0	ug/L			05/10/19 13:25	4
Chloroethane	ND	*	4.0	1.3	ug/L			05/10/19 13:25	4
Chloroform	ND		4.0	1.4	ug/L			05/10/19 13:25	4
Chloromethane	ND	*	4.0	1.4	ug/L			05/10/19 13:25	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			05/10/19 13:25	4
cis-1,3-Dichloropropene	ND	*	4.0	1.4	ug/L			05/10/19 13:25	4
Cyclohexane	ND		4.0	0.72	ug/L			05/10/19 13:25	4
Dibromochloromethane	ND	*	4.0	1.3	ug/L			05/10/19 13:25	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			05/10/19 13:25	4
Ethylbenzene	ND		4.0	3.0	ug/L			05/10/19 13:25	4
Isopropylbenzene	12		4.0	3.2	ug/L			05/10/19 13:25	4
Methyl acetate	ND		10	5.2	ug/L			05/10/19 13:25	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			05/10/19 13:25	4
Methylcyclohexane	ND		4.0	0.64	ug/L			05/10/19 13:25	4
Methylene Chloride	2.0	J	4.0	1.8	ug/L			05/10/19 13:25	4
N-Propylbenzene	15		4.0	2.8	ug/L			05/10/19 13:25	4
Styrene	ND		4.0	2.9	ug/L			05/10/19 13:25	4
Tetrachloroethene	ND	*	4.0	1.4	ug/L			05/10/19 13:25	4
Toluene	ND		4.0	2.0	ug/L			05/10/19 13:25	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			05/10/19 13:25	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			05/10/19 13:25	4
Trichloroethene	ND		4.0	1.8	ug/L			05/10/19 13:25	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			05/10/19 13:25	4
Vinyl chloride	ND		4.0	3.6	ug/L			05/10/19 13:25	4
Xylenes, Total	100		8.0	2.6	ug/L			05/10/19 13:25	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		05/10/19 13:25	4
4-Bromofluorobenzene (Surr)	119		73 - 120		05/10/19 13:25	4
Dibromofluoromethane (Surr)	112		75 - 123		05/10/19 13:25	4
Toluene-d8 (Surr)	105		80 - 120		05/10/19 13:25	4

Client Sample ID: IW-2-050119

Lab Sample ID: 480-152909-10

Date Collected: 05/01/19 16:50

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			05/10/19 03:34	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			05/10/19 03:34	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			05/10/19 03:34	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			05/10/19 03:34	10
1,1-Dichloroethane	ND		10	3.8	ug/L			05/10/19 03:34	10
1,1-Dichloroethene	ND		10	2.9	ug/L			05/10/19 03:34	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			05/10/19 03:34	10
1,2,4-Trimethylbenzene	420		10	7.5	ug/L			05/10/19 03:34	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			05/10/19 03:34	10
1,2-Dibromoethane	ND		10	7.3	ug/L			05/10/19 03:34	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			05/10/19 03:34	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW-2-050119

Lab Sample ID: 480-152909-10

Date Collected: 05/01/19 16:50

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		10	2.1	ug/L			05/10/19 03:34	10
1,2-Dichloropropane	ND		10	7.2	ug/L			05/10/19 03:34	10
1,3,5-Trimethylbenzene	220		10	7.7	ug/L			05/10/19 03:34	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			05/10/19 03:34	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			05/10/19 03:34	10
2-Butanone (MEK)	ND		100	13	ug/L			05/10/19 03:34	10
2-Hexanone	ND		50	12	ug/L			05/10/19 03:34	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			05/10/19 03:34	10
Acetone	ND		100	30	ug/L			05/10/19 03:34	10
Benzene	ND		10	4.1	ug/L			05/10/19 03:34	10
Bromodichloromethane	ND		10	3.9	ug/L			05/10/19 03:34	10
Bromoform	ND	*	10	2.6	ug/L			05/10/19 03:34	10
Bromomethane	ND		10	6.9	ug/L			05/10/19 03:34	10
Carbon disulfide	ND		10	1.9	ug/L			05/10/19 03:34	10
Carbon tetrachloride	ND		10	2.7	ug/L			05/10/19 03:34	10
Chlorobenzene	ND		10	7.5	ug/L			05/10/19 03:34	10
Chloroethane	ND		10	3.2	ug/L			05/10/19 03:34	10
Chloroform	ND		10	3.4	ug/L			05/10/19 03:34	10
Chloromethane	ND		10	3.5	ug/L			05/10/19 03:34	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			05/10/19 03:34	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			05/10/19 03:34	10
Cyclohexane	ND		10	1.8	ug/L			05/10/19 03:34	10
Dibromochloromethane	ND	*	10	3.2	ug/L			05/10/19 03:34	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			05/10/19 03:34	10
Ethylbenzene	ND		10	7.4	ug/L			05/10/19 03:34	10
Isopropylbenzene	37		10	7.9	ug/L			05/10/19 03:34	10
Methyl acetate	ND		25	13	ug/L			05/10/19 03:34	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			05/10/19 03:34	10
Methylcyclohexane	ND		10	1.6	ug/L			05/10/19 03:34	10
Methylene Chloride	4.9 J		10	4.4	ug/L			05/10/19 03:34	10
N-Propylbenzene	36		10	6.9	ug/L			05/10/19 03:34	10
Styrene	ND		10	7.3	ug/L			05/10/19 03:34	10
Tetrachloroethene	ND		10	3.6	ug/L			05/10/19 03:34	10
Toluene	ND		10	5.1	ug/L			05/10/19 03:34	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			05/10/19 03:34	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			05/10/19 03:34	10
Trichloroethene	ND		10	4.6	ug/L			05/10/19 03:34	10
Trichlorofluoromethane	ND		10	8.8	ug/L			05/10/19 03:34	10
Vinyl chloride	ND		10	9.0	ug/L			05/10/19 03:34	10
Xylenes, Total	610		20	6.6	ug/L			05/10/19 03:34	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		05/10/19 03:34	10
4-Bromofluorobenzene (Surr)	114		73 - 120		05/10/19 03:34	10
Dibromofluoromethane (Surr)	97		75 - 123		05/10/19 03:34	10
Toluene-d8 (Surr)	102		80 - 120		05/10/19 03:34	10

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: VRI-I-050119

Lab Sample ID: 480-152909-11

Date Collected: 05/01/19 05:00

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/10/19 03:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/10/19 03:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/10/19 03:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/10/19 03:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/10/19 03:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/10/19 03:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/10/19 03:58	1
1,2,4-Trimethylbenzene	1.8		1.0	0.75	ug/L			05/10/19 03:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/10/19 03:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/10/19 03:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/10/19 03:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/10/19 03:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/10/19 03:58	1
1,3,5-Trimethylbenzene	18		1.0	0.77	ug/L			05/10/19 03:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/10/19 03:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/10/19 03:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/10/19 03:58	1
2-Hexanone	ND		5.0	1.2	ug/L			05/10/19 03:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/10/19 03:58	1
Acetone	ND		10	3.0	ug/L			05/10/19 03:58	1
Benzene	ND		1.0	0.41	ug/L			05/10/19 03:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/10/19 03:58	1
Bromoform	ND	*	1.0	0.26	ug/L			05/10/19 03:58	1
Bromomethane	ND		1.0	0.69	ug/L			05/10/19 03:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/10/19 03:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/10/19 03:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/10/19 03:58	1
Chloroethane	ND		1.0	0.32	ug/L			05/10/19 03:58	1
Chloroform	ND		1.0	0.34	ug/L			05/10/19 03:58	1
Chloromethane	ND		1.0	0.35	ug/L			05/10/19 03:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/10/19 03:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/10/19 03:58	1
Cyclohexane	ND		1.0	0.18	ug/L			05/10/19 03:58	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			05/10/19 03:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/10/19 03:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/10/19 03:58	1
Isopropylbenzene	1.3		1.0	0.79	ug/L			05/10/19 03:58	1
Methyl acetate	ND		2.5	1.3	ug/L			05/10/19 03:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/10/19 03:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/10/19 03:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/10/19 03:58	1
N-Propylbenzene	1.1		1.0	0.69	ug/L			05/10/19 03:58	1
Styrene	ND		1.0	0.73	ug/L			05/10/19 03:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/10/19 03:58	1
Toluene	ND		1.0	0.51	ug/L			05/10/19 03:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/10/19 03:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/10/19 03:58	1
Trichloroethene	ND		1.0	0.46	ug/L			05/10/19 03:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/10/19 03:58	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: VRI-I-050119

Lab Sample ID: 480-152909-11

Date Collected: 05/01/19 05:00

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			05/10/19 03:58	1
Xylenes, Total	13		2.0	0.66	ug/L			05/10/19 03:58	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120					05/10/19 03:58	1
4-Bromofluorobenzene (Surr)	111		73 - 120					05/10/19 03:58	1
Dibromofluoromethane (Surr)	96		75 - 123					05/10/19 03:58	1
Toluene-d8 (Surr)	96		80 - 120					05/10/19 03:58	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-152909-12

Date Collected: 05/01/19 00:00

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/10/19 04:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/10/19 04:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/10/19 04:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/10/19 04:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/10/19 04:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/10/19 04:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/10/19 04:27	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/10/19 04:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/10/19 04:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/10/19 04:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/10/19 04:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/10/19 04:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/10/19 04:27	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/10/19 04:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/10/19 04:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/10/19 04:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/10/19 04:27	1
2-Hexanone	ND		5.0	1.2	ug/L			05/10/19 04:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/10/19 04:27	1
Acetone	ND		10	3.0	ug/L			05/10/19 04:27	1
Benzene	ND		1.0	0.41	ug/L			05/10/19 04:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/10/19 04:27	1
Bromoform	ND	*	1.0	0.26	ug/L			05/10/19 04:27	1
Bromomethane	ND		1.0	0.69	ug/L			05/10/19 04:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/10/19 04:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/10/19 04:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/10/19 04:27	1
Chloroethane	ND		1.0	0.32	ug/L			05/10/19 04:27	1
Chloroform	ND		1.0	0.34	ug/L			05/10/19 04:27	1
Chloromethane	ND		1.0	0.35	ug/L			05/10/19 04:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/10/19 04:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/10/19 04:27	1
Cyclohexane	ND		1.0	0.18	ug/L			05/10/19 04:27	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			05/10/19 04:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/10/19 04:27	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-152909-12

Date Collected: 05/01/19 00:00

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			05/10/19 04:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/10/19 04:27	1
Methyl acetate	ND		2.5	1.3	ug/L			05/10/19 04:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/10/19 04:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/10/19 04:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/10/19 04:27	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/10/19 04:27	1
Styrene	ND		1.0	0.73	ug/L			05/10/19 04:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/10/19 04:27	1
Toluene	ND		1.0	0.51	ug/L			05/10/19 04:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/10/19 04:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/10/19 04:27	1
Trichloroethene	ND		1.0	0.46	ug/L			05/10/19 04:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/10/19 04:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/10/19 04:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/10/19 04:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		05/10/19 04:27	1
4-Bromofluorobenzene (Surr)	106		73 - 120		05/10/19 04:27	1
Dibromofluoromethane (Surr)	114		75 - 123		05/10/19 04:27	1
Toluene-d8 (Surr)	99		80 - 120		05/10/19 04:27	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-152909-1	GT-14-050219	100	87	96	94
480-152909-2	IW-5-050219	103	91	97	98
480-152909-3	VRI-2-050219	99	87	96	98
480-152909-4	IW-6-050219	101	92	96	95
480-152909-4 - DL	IW-6-050219	99	96	92	98
480-152909-5	IW-4-050219	95	89	93	98
480-152909-6	VRI-3-050219	103	88	96	98
480-152909-7	EB-050219	101	87	95	94
480-152909-8	IW7-050119	112	114	101	106
480-152909-8 - DL	IW7-050119	108	109	112	105
480-152909-9	IW-3-050119	111	119	112	105
480-152909-10	IW-2-050119	109	114	97	102
480-152909-11	VRI-I-050119	103	111	96	96
480-152909-12	TRIP BLANK	109	106	114	99
LCS 480-472168/5	Lab Control Sample	111	111	111	104
LCS 480-472206/5	Lab Control Sample	122 X	120	122	102
LCS 480-472381/5	Lab Control Sample	95	90	90	97
LCS 480-472454/6	Lab Control Sample	88	95	89	101
MB 480-472168/9	Method Blank	113	108	108	100
MB 480-472206/7	Method Blank	111	117	118	97
MB 480-472381/7	Method Blank	102	87	94	93
MB 480-472454/8	Method Blank	93	87	92	99

Surrogate Legend

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

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

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

Lab Sample ID: MB 480-472168/9

Matrix: Water

Analysis Batch: 472168

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			05/09/19 23:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/19 23:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/09/19 23:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/19 23:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/09/19 23:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/09/19 23:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/09/19 23:42	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/09/19 23:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/09/19 23:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/09/19 23:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/09/19 23:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/19 23:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/19 23:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/09/19 23:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/09/19 23:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/09/19 23:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/19 23:42	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/19 23:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/19 23:42	1
Acetone	ND		10	3.0	ug/L			05/09/19 23:42	1
Benzene	ND		1.0	0.41	ug/L			05/09/19 23:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/19 23:42	1
Bromoform	ND		1.0	0.26	ug/L			05/09/19 23:42	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/19 23:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/09/19 23:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/19 23:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/19 23:42	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/19 23:42	1
Chloroform	ND		1.0	0.34	ug/L			05/09/19 23:42	1
Chloromethane	ND		1.0	0.35	ug/L			05/09/19 23:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/09/19 23:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/19 23:42	1
Cyclohexane	ND		1.0	0.18	ug/L			05/09/19 23:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/19 23:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/09/19 23:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/19 23:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/09/19 23:42	1
Methyl acetate	ND		2.5	1.3	ug/L			05/09/19 23:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/09/19 23:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/09/19 23:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/19 23:42	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/09/19 23:42	1
Styrene	ND		1.0	0.73	ug/L			05/09/19 23:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/09/19 23:42	1
Toluene	ND		1.0	0.51	ug/L			05/09/19 23:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/19 23:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/19 23:42	1
Trichloroethene	ND		1.0	0.46	ug/L			05/09/19 23:42	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

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

Lab Sample ID: MB 480-472168/9

Matrix: Water

Analysis Batch: 472168

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/09/19 23:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/09/19 23:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/09/19 23:42	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		77 - 120					05/09/19 23:42	1
4-Bromofluorobenzene (Surr)	108		73 - 120					05/09/19 23:42	1
Dibromofluoromethane (Surr)	108		75 - 123					05/09/19 23:42	1
Toluene-d8 (Surr)	100		80 - 120					05/09/19 23:42	1

Lab Sample ID: LCS 480-472168/5

Matrix: Water

Analysis Batch: 472168

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	30.4		ug/L		121	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.1		ug/L		96	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.0		ug/L		108	61 - 148
1,1,2-Trichloroethane	25.0	23.4		ug/L		94	76 - 122
1,1-Dichloroethane	25.0	26.6		ug/L		106	77 - 120
1,1-Dichloroethene	25.0	23.0		ug/L		92	66 - 127
1,2,4-Trichlorobenzene	25.0	25.2		ug/L		101	79 - 122
1,2,4-Trimethylbenzene	25.0	23.6		ug/L		95	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	24.5		ug/L		98	56 - 134
1,2-Dibromoethane	25.0	23.4		ug/L		94	77 - 120
1,2-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	27.7		ug/L		111	75 - 120
1,2-Dichloropropane	25.0	28.8		ug/L		115	76 - 120
1,3,5-Trimethylbenzene	25.0	24.2		ug/L		97	77 - 121
1,3-Dichlorobenzene	25.0	24.3		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	24.0		ug/L		96	80 - 120
2-Butanone (MEK)	125	127		ug/L		102	57 - 140
2-Hexanone	125	140		ug/L		112	65 - 127
4-Methyl-2-pentanone (MIBK)	125	133		ug/L		107	71 - 125
Acetone	125	134		ug/L		107	56 - 142
Benzene	25.0	25.9		ug/L		104	71 - 124
Bromodichloromethane	25.0	29.4		ug/L		118	80 - 122
Bromoform	25.0	38.5	*	ug/L		154	61 - 132
Bromomethane	25.0	26.1		ug/L		105	55 - 144
Carbon disulfide	25.0	25.9		ug/L		104	59 - 134
Carbon tetrachloride	25.0	32.8		ug/L		131	72 - 134
Chlorobenzene	25.0	23.7		ug/L		95	80 - 120
Chloroethane	25.0	32.0		ug/L		128	69 - 136
Chloroform	25.0	26.6		ug/L		106	73 - 127
Chloromethane	25.0	26.4		ug/L		106	68 - 124
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	74 - 124
cis-1,3-Dichloropropene	25.0	28.6		ug/L		115	74 - 124
Cyclohexane	25.0	31.2		ug/L		125	59 - 135

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

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

Lab Sample ID: LCS 480-472168/5

Matrix: Water

Analysis Batch: 472168

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibromochloromethane	25.0	32.0	*	ug/L		128	75 - 125
Dichlorodifluoromethane	25.0	26.4		ug/L		106	59 - 135
Ethylbenzene	25.0	25.6		ug/L		103	77 - 123
Isopropylbenzene	25.0	24.8		ug/L		99	77 - 122
Methyl acetate	50.0	45.8		ug/L		92	74 - 133
Methyl tert-butyl ether	25.0	23.6		ug/L		94	77 - 120
Methylcyclohexane	25.0	28.3		ug/L		113	68 - 134
Methylene Chloride	25.0	24.7		ug/L		99	75 - 124
N-Propylbenzene	25.0	24.3		ug/L		97	75 - 127
Styrene	25.0	25.9		ug/L		104	80 - 120
Tetrachloroethene	25.0	28.3		ug/L		113	74 - 122
Toluene	25.0	24.3		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	24.3		ug/L		97	73 - 127
trans-1,3-Dichloropropene	25.0	25.1		ug/L		100	80 - 120
Trichloroethene	25.0	26.4		ug/L		106	74 - 123
Trichlorofluoromethane	25.0	24.1		ug/L		96	62 - 150
Vinyl chloride	25.0	26.3		ug/L		105	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		77 - 120
4-Bromofluorobenzene (Surr)	111		73 - 120
Dibromofluoromethane (Surr)	111		75 - 123
Toluene-d8 (Surr)	104		80 - 120

Lab Sample ID: MB 480-472206/7

Matrix: Water

Analysis Batch: 472206

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			05/10/19 12:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/10/19 12:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/10/19 12:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/10/19 12:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/10/19 12:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/10/19 12:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/10/19 12:28	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/10/19 12:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/10/19 12:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/10/19 12:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/10/19 12:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/10/19 12:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/10/19 12:28	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/10/19 12:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/10/19 12:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/10/19 12:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/10/19 12:28	1
2-Hexanone	ND		5.0	1.2	ug/L			05/10/19 12:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/10/19 12:28	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

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

Lab Sample ID: MB 480-472206/7

Matrix: Water

Analysis Batch: 472206

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			05/10/19 12:28	1
Benzene	ND		1.0	0.41	ug/L			05/10/19 12:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/10/19 12:28	1
Bromoform	ND		1.0	0.26	ug/L			05/10/19 12:28	1
Bromomethane	ND		1.0	0.69	ug/L			05/10/19 12:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/10/19 12:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/10/19 12:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/10/19 12:28	1
Chloroethane	ND		1.0	0.32	ug/L			05/10/19 12:28	1
Chloroform	ND		1.0	0.34	ug/L			05/10/19 12:28	1
Chloromethane	ND		1.0	0.35	ug/L			05/10/19 12:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/10/19 12:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/10/19 12:28	1
Cyclohexane	ND		1.0	0.18	ug/L			05/10/19 12:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/10/19 12:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/10/19 12:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/10/19 12:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/10/19 12:28	1
Methyl acetate	ND		2.5	1.3	ug/L			05/10/19 12:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/10/19 12:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/10/19 12:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/10/19 12:28	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/10/19 12:28	1
Styrene	ND		1.0	0.73	ug/L			05/10/19 12:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/10/19 12:28	1
Toluene	ND		1.0	0.51	ug/L			05/10/19 12:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/10/19 12:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/10/19 12:28	1
Trichloroethene	ND		1.0	0.46	ug/L			05/10/19 12:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/10/19 12:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/10/19 12:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/10/19 12:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		05/10/19 12:28	1
4-Bromofluorobenzene (Surr)	117		73 - 120		05/10/19 12:28	1
Dibromofluoromethane (Surr)	118		75 - 123		05/10/19 12:28	1
Toluene-d8 (Surr)	97		80 - 120		05/10/19 12:28	1

Lab Sample ID: LCS 480-472206/5

Matrix: Water

Analysis Batch: 472206

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	34.4	*	ug/L		138	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.3		ug/L		89	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	30.5		ug/L		122	61 - 148
1,1,2-Trichloroethane	25.0	23.0		ug/L		92	76 - 122

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

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

Lab Sample ID: LCS 480-472206/5

Matrix: Water

Analysis Batch: 472206

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	31.6	*	ug/L		127	77 - 120
1,1-Dichloroethene	25.0	25.0		ug/L		100	66 - 127
1,2,4-Trichlorobenzene	25.0	23.9		ug/L		95	79 - 122
1,2,4-Trimethylbenzene	25.0	23.0		ug/L		92	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	24.5		ug/L		98	56 - 134
1,2-Dibromoethane	25.0	26.9		ug/L		108	77 - 120
1,2-Dichlorobenzene	25.0	25.1		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	30.3	*	ug/L		121	75 - 120
1,2-Dichloropropane	25.0	32.6	*	ug/L		130	76 - 120
1,3,5-Trimethylbenzene	25.0	22.9		ug/L		92	77 - 121
1,3-Dichlorobenzene	25.0	25.2		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 120
2-Butanone (MEK)	125	138		ug/L		111	57 - 140
2-Hexanone	125	142		ug/L		114	65 - 127
4-Methyl-2-pentanone (MIBK)	125	127		ug/L		102	71 - 125
Acetone	125	147		ug/L		117	56 - 142
Benzene	25.0	29.9		ug/L		120	71 - 124
Bromodichloromethane	25.0	34.1	*	ug/L		137	80 - 122
Bromoform	25.0	48.3	*	ug/L		193	61 - 132
Bromomethane	25.0	30.6		ug/L		122	55 - 144
Carbon disulfide	25.0	27.4		ug/L		110	59 - 134
Carbon tetrachloride	25.0	41.9	*	ug/L		168	72 - 134
Chlorobenzene	25.0	25.9		ug/L		104	80 - 120
Chloroethane	25.0	37.5	*	ug/L		150	69 - 136
Chloroform	25.0	30.1		ug/L		120	73 - 127
Chloromethane	25.0	32.8	*	ug/L		131	68 - 124
cis-1,2-Dichloroethene	25.0	28.1		ug/L		112	74 - 124
cis-1,3-Dichloropropene	25.0	32.9	*	ug/L		132	74 - 124
Cyclohexane	25.0	32.5		ug/L		130	59 - 135
Dibromochloromethane	25.0	38.9	*	ug/L		156	75 - 125
Dichlorodifluoromethane	25.0	27.8		ug/L		111	59 - 135
Ethylbenzene	25.0	26.5		ug/L		106	77 - 123
Isopropylbenzene	25.0	23.7		ug/L		95	77 - 122
Methyl acetate	50.0	48.9		ug/L		98	74 - 133
Methyl tert-butyl ether	25.0	26.0		ug/L		104	77 - 120
Methylcyclohexane	25.0	31.7		ug/L		127	68 - 134
Methylene Chloride	25.0	25.8		ug/L		103	75 - 124
N-Propylbenzene	25.0	23.3		ug/L		93	75 - 127
Styrene	25.0	26.5		ug/L		106	80 - 120
Tetrachloroethene	25.0	32.5	*	ug/L		130	74 - 122
Toluene	25.0	25.4		ug/L		102	80 - 122
trans-1,2-Dichloroethene	25.0	25.7		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	25.7		ug/L		103	80 - 120
Trichloroethene	25.0	29.9		ug/L		120	74 - 123
Trichlorofluoromethane	25.0	31.8		ug/L		127	62 - 150
Vinyl chloride	25.0	30.6		ug/L		122	65 - 133

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

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

Lab Sample ID: LCS 480-472206/5

Matrix: Water

Analysis Batch: 472206

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	122	X	77 - 120
4-Bromofluorobenzene (Surr)	120		73 - 120
Dibromofluoromethane (Surr)	122		75 - 123
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: MB 480-472381/7

Matrix: Water

Analysis Batch: 472381

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			05/11/19 12:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/11/19 12:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/11/19 12:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/11/19 12:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/11/19 12:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/11/19 12:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/11/19 12:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/11/19 12:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/11/19 12:56	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/11/19 12:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/11/19 12:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/11/19 12:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/11/19 12:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/11/19 12:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/11/19 12:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/11/19 12:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/11/19 12:56	1
2-Hexanone	ND		5.0	1.2	ug/L			05/11/19 12:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/11/19 12:56	1
Acetone	ND		10	3.0	ug/L			05/11/19 12:56	1
Benzene	ND		1.0	0.41	ug/L			05/11/19 12:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/11/19 12:56	1
Bromoform	ND		1.0	0.26	ug/L			05/11/19 12:56	1
Bromomethane	ND		1.0	0.69	ug/L			05/11/19 12:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/11/19 12:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/11/19 12:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/11/19 12:56	1
Chloroethane	ND		1.0	0.32	ug/L			05/11/19 12:56	1
Chloroform	ND		1.0	0.34	ug/L			05/11/19 12:56	1
Chloromethane	ND		1.0	0.35	ug/L			05/11/19 12:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/11/19 12:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/11/19 12:56	1
Cyclohexane	ND		1.0	0.18	ug/L			05/11/19 12:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/11/19 12:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/11/19 12:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/11/19 12:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/11/19 12:56	1
Methyl acetate	ND		2.5	1.3	ug/L			05/11/19 12:56	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

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

Lab Sample ID: MB 480-472381/7

Matrix: Water

Analysis Batch: 472381

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/11/19 12:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/11/19 12:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/11/19 12:56	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/11/19 12:56	1
Styrene	ND		1.0	0.73	ug/L			05/11/19 12:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/11/19 12:56	1
Toluene	ND		1.0	0.51	ug/L			05/11/19 12:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/11/19 12:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/11/19 12:56	1
Trichloroethene	ND		1.0	0.46	ug/L			05/11/19 12:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/11/19 12:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/11/19 12:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/11/19 12:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		05/11/19 12:56	1
4-Bromofluorobenzene (Surr)	87		73 - 120		05/11/19 12:56	1
Dibromofluoromethane (Surr)	94		75 - 123		05/11/19 12:56	1
Toluene-d8 (Surr)	93		80 - 120		05/11/19 12:56	1

Lab Sample ID: LCS 480-472381/5

Matrix: Water

Analysis Batch: 472381

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	21.5		ug/L		86	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.2		ug/L		97	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.4		ug/L		97	61 - 148
1,1,2-Trichloroethane	25.0	23.9		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	22.2		ug/L		89	77 - 120
1,1-Dichloroethene	25.0	22.7		ug/L		91	66 - 127
1,2,4-Trichlorobenzene	25.0	20.7		ug/L		83	79 - 122
1,2,4-Trimethylbenzene	25.0	22.8		ug/L		91	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	19.8		ug/L		79	56 - 134
1,2-Dibromoethane	25.0	22.4		ug/L		90	77 - 120
1,2-Dichlorobenzene	25.0	22.1		ug/L		88	80 - 124
1,2-Dichloroethane	25.0	20.3		ug/L		81	75 - 120
1,2-Dichloropropane	25.0	26.5		ug/L		106	76 - 120
1,3,5-Trimethylbenzene	25.0	22.8		ug/L		91	77 - 121
1,3-Dichlorobenzene	25.0	23.2		ug/L		93	77 - 120
1,4-Dichlorobenzene	25.0	22.9		ug/L		92	80 - 120
2-Butanone (MEK)	125	114		ug/L		91	57 - 140
2-Hexanone	125	116		ug/L		93	65 - 127
4-Methyl-2-pentanone (MIBK)	125	105		ug/L		84	71 - 125
Acetone	125	120		ug/L		96	56 - 142
Benzene	25.0	23.7		ug/L		95	71 - 124
Bromodichloromethane	25.0	23.1		ug/L		92	80 - 122
Bromoform	25.0	23.9		ug/L		96	61 - 132

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

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

Lab Sample ID: LCS 480-472381/5

Matrix: Water

Analysis Batch: 472381

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	25.0	21.8		ug/L		87	55 - 144
Carbon disulfide	25.0	22.3		ug/L		89	59 - 134
Carbon tetrachloride	25.0	22.4		ug/L		90	72 - 134
Chlorobenzene	25.0	22.7		ug/L		91	80 - 120
Chloroethane	25.0	22.9		ug/L		92	69 - 136
Chloroform	25.0	21.0		ug/L		84	73 - 127
Chloromethane	25.0	22.9		ug/L		92	68 - 124
cis-1,2-Dichloroethene	25.0	21.1		ug/L		84	74 - 124
cis-1,3-Dichloropropene	25.0	25.3		ug/L		101	74 - 124
Cyclohexane	25.0	24.5		ug/L		98	59 - 135
Dibromochloromethane	25.0	24.0		ug/L		96	75 - 125
Dichlorodifluoromethane	25.0	22.9		ug/L		92	59 - 135
Ethylbenzene	25.0	22.2		ug/L		89	77 - 123
Isopropylbenzene	25.0	22.6		ug/L		90	77 - 122
Methyl acetate	50.0	40.7		ug/L		81	74 - 133
Methyl tert-butyl ether	25.0	19.6		ug/L		78	77 - 120
Methylcyclohexane	25.0	24.1		ug/L		96	68 - 134
Methylene Chloride	25.0	23.3		ug/L		93	75 - 124
N-Propylbenzene	25.0	23.2		ug/L		93	75 - 127
Styrene	25.0	22.4		ug/L		90	80 - 120
Tetrachloroethene	25.0	21.8		ug/L		87	74 - 122
Toluene	25.0	23.1		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	21.6		ug/L		86	73 - 127
trans-1,3-Dichloropropene	25.0	24.9		ug/L		99	80 - 120
Trichloroethene	25.0	22.5		ug/L		90	74 - 123
Trichlorofluoromethane	25.0	23.0		ug/L		92	62 - 150
Vinyl chloride	25.0	24.0		ug/L		96	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		77 - 120
4-Bromofluorobenzene (Surr)	90		73 - 120
Dibromofluoromethane (Surr)	90		75 - 123
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: MB 480-472454/8

Matrix: Water

Analysis Batch: 472454

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			05/13/19 10:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/13/19 10:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/13/19 10:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/13/19 10:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/13/19 10:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/13/19 10:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/13/19 10:51	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/13/19 10:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/13/19 10:51	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

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

Lab Sample ID: MB 480-472454/8

Matrix: Water

Analysis Batch: 472454

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/13/19 10:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/13/19 10:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/13/19 10:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/13/19 10:51	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/13/19 10:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/13/19 10:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/13/19 10:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/13/19 10:51	1
2-Hexanone	ND		5.0	1.2	ug/L			05/13/19 10:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/13/19 10:51	1
Acetone	ND		10	3.0	ug/L			05/13/19 10:51	1
Benzene	ND		1.0	0.41	ug/L			05/13/19 10:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/13/19 10:51	1
Bromoform	ND		1.0	0.26	ug/L			05/13/19 10:51	1
Bromomethane	ND		1.0	0.69	ug/L			05/13/19 10:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/13/19 10:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/13/19 10:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/13/19 10:51	1
Chloroethane	ND		1.0	0.32	ug/L			05/13/19 10:51	1
Chloroform	ND		1.0	0.34	ug/L			05/13/19 10:51	1
Chloromethane	ND		1.0	0.35	ug/L			05/13/19 10:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/13/19 10:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/13/19 10:51	1
Cyclohexane	ND		1.0	0.18	ug/L			05/13/19 10:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/13/19 10:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/13/19 10:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/13/19 10:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/13/19 10:51	1
Methyl acetate	ND		2.5	1.3	ug/L			05/13/19 10:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/13/19 10:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/13/19 10:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/13/19 10:51	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/13/19 10:51	1
Styrene	ND		1.0	0.73	ug/L			05/13/19 10:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/13/19 10:51	1
Toluene	ND		1.0	0.51	ug/L			05/13/19 10:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/13/19 10:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/13/19 10:51	1
Trichloroethene	ND		1.0	0.46	ug/L			05/13/19 10:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/13/19 10:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/13/19 10:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/13/19 10:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		05/13/19 10:51	1
4-Bromofluorobenzene (Surr)	87		73 - 120		05/13/19 10:51	1
Dibromofluoromethane (Surr)	92		75 - 123		05/13/19 10:51	1
Toluene-d8 (Surr)	99		80 - 120		05/13/19 10:51	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

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

Lab Sample ID: LCS 480-472454/6

Matrix: Water

Analysis Batch: 472454

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	22.4		ug/L		90	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.4		ug/L		105	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.3		ug/L		105	61 - 148
1,1,2-Trichloroethane	25.0	27.1		ug/L		108	76 - 122
1,1-Dichloroethane	25.0	22.1		ug/L		89	77 - 120
1,1-Dichloroethene	25.0	23.4		ug/L		94	66 - 127
1,2,4-Trichlorobenzene	25.0	22.2		ug/L		89	79 - 122
1,2,4-Trimethylbenzene	25.0	24.9		ug/L		100	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	21.4		ug/L		86	56 - 134
1,2-Dibromoethane	25.0	25.0		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	24.1		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	20.5		ug/L		82	75 - 120
1,2-Dichloropropane	25.0	26.2		ug/L		105	76 - 120
1,3,5-Trimethylbenzene	25.0	24.9		ug/L		100	77 - 121
1,3-Dichlorobenzene	25.0	25.6		ug/L		103	77 - 120
1,4-Dichlorobenzene	25.0	24.6		ug/L		99	80 - 120
2-Butanone (MEK)	125	99.9		ug/L		80	57 - 140
2-Hexanone	125	112		ug/L		90	65 - 127
4-Methyl-2-pentanone (MIBK)	125	102		ug/L		81	71 - 125
Acetone	125	109		ug/L		87	56 - 142
Benzene	25.0	24.9		ug/L		100	71 - 124
Bromodichloromethane	25.0	24.7		ug/L		99	80 - 122
Bromoform	25.0	26.2		ug/L		105	61 - 132
Bromomethane	25.0	20.0		ug/L		80	55 - 144
Carbon disulfide	25.0	24.0		ug/L		96	59 - 134
Carbon tetrachloride	25.0	24.4		ug/L		98	72 - 134
Chlorobenzene	25.0	25.2		ug/L		101	80 - 120
Chloroethane	25.0	19.7		ug/L		79	69 - 136
Chloroform	25.0	21.4		ug/L		85	73 - 127
Chloromethane	25.0	20.7		ug/L		83	68 - 124
cis-1,2-Dichloroethene	25.0	22.0		ug/L		88	74 - 124
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	74 - 124
Cyclohexane	25.0	26.2		ug/L		105	59 - 135
Dibromochloromethane	25.0	27.0		ug/L		108	75 - 125
Dichlorodifluoromethane	25.0	26.1		ug/L		104	59 - 135
Ethylbenzene	25.0	24.9		ug/L		100	77 - 123
Isopropylbenzene	25.0	25.1		ug/L		100	77 - 122
Methyl acetate	50.0	33.8	*	ug/L		68	74 - 133
Methyl tert-butyl ether	25.0	19.5		ug/L		78	77 - 120
Methylcyclohexane	25.0	27.2		ug/L		109	68 - 134
Methylene Chloride	25.0	23.3		ug/L		93	75 - 124
N-Propylbenzene	25.0	25.8		ug/L		103	75 - 127
Styrene	25.0	25.3		ug/L		101	80 - 120
Tetrachloroethene	25.0	25.1		ug/L		100	74 - 122
Toluene	25.0	26.0		ug/L		104	80 - 122
trans-1,2-Dichloroethene	25.0	22.3		ug/L		89	73 - 127
trans-1,3-Dichloropropene	25.0	26.7		ug/L		107	80 - 120
Trichloroethene	25.0	24.0		ug/L		96	74 - 123

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

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

Lab Sample ID: LCS 480-472454/6

Matrix: Water

Analysis Batch: 472454

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	25.0	22.5		ug/L		90	62 - 150
Vinyl chloride	25.0	21.6		ug/L		87	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		77 - 120
4-Bromofluorobenzene (Surr)	95		73 - 120
Dibromofluoromethane (Surr)	89		75 - 123
Toluene-d8 (Surr)	101		80 - 120

Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

GC/MS VOA

Analysis Batch: 472168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152909-8	IW7-050119	Total/NA	Water	8260C	
480-152909-10	IW-2-050119	Total/NA	Water	8260C	
480-152909-11	VRI-I-050119	Total/NA	Water	8260C	
480-152909-12	TRIP BLANK	Total/NA	Water	8260C	
MB 480-472168/9	Method Blank	Total/NA	Water	8260C	
LCS 480-472168/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 472206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152909-8 - DL	IW7-050119	Total/NA	Water	8260C	
480-152909-9	IW-3-050119	Total/NA	Water	8260C	
MB 480-472206/7	Method Blank	Total/NA	Water	8260C	
LCS 480-472206/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 472381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152909-1	GT-14-050219	Total/NA	Water	8260C	
480-152909-2	IW-5-050219	Total/NA	Water	8260C	
480-152909-3	VRI-2-050219	Total/NA	Water	8260C	
480-152909-4	IW-6-050219	Total/NA	Water	8260C	
480-152909-6	VRI-3-050219	Total/NA	Water	8260C	
480-152909-7	EB-050219	Total/NA	Water	8260C	
MB 480-472381/7	Method Blank	Total/NA	Water	8260C	
LCS 480-472381/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 472454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152909-4 - DL	IW-6-050219	Total/NA	Water	8260C	
480-152909-5	IW-4-050219	Total/NA	Water	8260C	
MB 480-472454/8	Method Blank	Total/NA	Water	8260C	
LCS 480-472454/6	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: GT-14-050219

Lab Sample ID: 480-152909-1

Date Collected: 05/02/19 14:25

Matrix: Water

Date Received: 05/03/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	472381	05/11/19 14:21	AMM	TAL BUF

Client Sample ID: IW-5-050219

Lab Sample ID: 480-152909-2

Date Collected: 05/02/19 12:05

Matrix: Water

Date Received: 05/03/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	472381	05/11/19 14:45	AMM	TAL BUF

Client Sample ID: VRI-2-050219

Lab Sample ID: 480-152909-3

Date Collected: 05/02/19 11:17

Matrix: Water

Date Received: 05/03/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	472381	05/11/19 15:08	AMM	TAL BUF

Client Sample ID: IW-6-050219

Lab Sample ID: 480-152909-4

Date Collected: 05/02/19 09:20

Matrix: Water

Date Received: 05/03/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	472381	05/11/19 15:31	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	200	472454	05/13/19 11:35	AEM	TAL BUF

Client Sample ID: IW-4-050219

Lab Sample ID: 480-152909-5

Date Collected: 05/02/19 09:20

Matrix: Water

Date Received: 05/03/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	472454	05/13/19 11:58	AEM	TAL BUF

Client Sample ID: VRI-3-050219

Lab Sample ID: 480-152909-6

Date Collected: 05/02/19 14:55

Matrix: Water

Date Received: 05/03/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	472381	05/11/19 16:20	AMM	TAL BUF

Client Sample ID: EB-050219

Lab Sample ID: 480-152909-7

Date Collected: 05/02/19 15:10

Matrix: Water

Date Received: 05/03/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	472381	05/11/19 16:43	AMM	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW7-050119

Lab Sample ID: 480-152909-8

Date Collected: 05/01/19 03:00

Matrix: Water

Date Received: 05/03/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	472168	05/10/19 02:45	KMN	TAL BUF
Total/NA	Analysis	8260C	DL	50	472206	05/10/19 13:00	AEM	TAL BUF

Client Sample ID: IW-3-050119

Lab Sample ID: 480-152909-9

Date Collected: 05/01/19 15:15

Matrix: Water

Date Received: 05/03/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	472206	05/10/19 13:25	AEM	TAL BUF

Client Sample ID: IW-2-050119

Lab Sample ID: 480-152909-10

Date Collected: 05/01/19 16:50

Matrix: Water

Date Received: 05/03/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	472168	05/10/19 03:34	KMN	TAL BUF

Client Sample ID: VRI-I-050119

Lab Sample ID: 480-152909-11

Date Collected: 05/01/19 05:00

Matrix: Water

Date Received: 05/03/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	472168	05/10/19 03:58	KMN	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-152909-12

Date Collected: 05/01/19 00:00

Matrix: Water

Date Received: 05/03/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	472168	05/10/19 04:27	KMN	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): ZB-624 (20) ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
GT-14-050219	480-152909-1	96	100	94	87
IW-5-050219	480-152909-2	97	103	98	91
VRI-2-050219	480-152909-3	96	99	98	87
IW-6-050219	480-152909-4	96	101	95	92
IW-6-050219 DL	480-152909-4 DL	92	99	98	96
IW-4-050219	480-152909-5	93	95	98	89
VRI-3-050219	480-152909-6	96	103	98	88
EB-050219	480-152909-7	95	101	94	87
IW7-050119	480-152909-8	101	112	106	114
IW7-050119 DL	480-152909-8 DL	112	108	105	109
IW-3-050119	480-152909-9	112	111	105	119
IW-2-050119	480-152909-10	97	109	102	114
VRI-I-050119	480-152909-11	96	103	96	111
TRIP BLANK	480-152909-12	114	109	99	106
	MB 480-472168/9	108	113	100	108
	MB 480-472206/7	118	111	97	117
	MB 480-472381/7	94	102	93	87
	MB 480-472454/8	92	93	99	87
	LCS 480-472168/5	111	111	104	111
	LCS 480-472206/5	122	122 x	102	120
	LCS 480-472381/5	90	95	97	90
	LCS 480-472454/6	89	88	101	95

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

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T0727.D
 Lab ID: LCS 480-472168/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	30.4	121	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.1	96	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.0	108	61-148	
1,1,2-Trichloroethane	25.0	23.4	94	76-122	
1,1-Dichloroethane	25.0	26.6	106	77-120	
1,1-Dichloroethene	25.0	23.0	92	66-127	
1,2,4-Trichlorobenzene	25.0	25.2	101	79-122	
1,2,4-Trimethylbenzene	25.0	23.6	95	76-121	
1,2-Dibromo-3-Chloropropane	25.0	24.5	98	56-134	
1,2-Dibromoethane	25.0	23.4	94	77-120	
1,2-Dichlorobenzene	25.0	24.2	97	80-124	
1,2-Dichloroethane	25.0	27.7	111	75-120	
1,2-Dichloropropane	25.0	28.8	115	76-120	
1,3,5-Trimethylbenzene	25.0	24.2	97	77-121	
1,3-Dichlorobenzene	25.0	24.3	97	77-120	
1,4-Dichlorobenzene	25.0	24.0	96	80-120	
2-Butanone (MEK)	125	127	102	57-140	
2-Hexanone	125	140	112	65-127	
4-Methyl-2-pentanone (MIBK)	125	133	107	71-125	
Acetone	125	134	107	56-142	
Benzene	25.0	25.9	104	71-124	
Bromodichloromethane	25.0	29.4	118	80-122	
Bromoform	25.0	38.5	154	61-132	*
Bromomethane	25.0	26.1	105	55-144	
Carbon disulfide	25.0	25.9	104	59-134	
Carbon tetrachloride	25.0	32.8	131	72-134	
Chlorobenzene	25.0	23.7	95	80-120	
Chloroethane	25.0	32.0	128	69-136	
Chloroform	25.0	26.6	106	73-127	
Chloromethane	25.0	26.4	106	68-124	
cis-1,2-Dichloroethene	25.0	26.0	104	74-124	
cis-1,3-Dichloropropene	25.0	28.6	115	74-124	
Cyclohexane	25.0	31.2	125	59-135	
Dibromochloromethane	25.0	32.0	128	75-125	*
Dichlorodifluoromethane	25.0	26.4	106	59-135	
Ethylbenzene	25.0	25.6	103	77-123	
Isopropylbenzene	25.0	24.8	99	77-122	
Methyl acetate	50.0	45.8	92	74-133	
Methyl tert-butyl ether	25.0	23.6	94	77-120	
Methylcyclohexane	25.0	28.3	113	68-134	
Methylene Chloride	25.0	24.7	99	75-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T0727.D
 Lab ID: LCS 480-472168/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
N-Propylbenzene	25.0	24.3	97	75-127	
Styrene	25.0	25.9	104	80-120	
Tetrachloroethene	25.0	28.3	113	74-122	
Toluene	25.0	24.3	97	80-122	
trans-1,2-Dichloroethene	25.0	24.3	97	73-127	
trans-1,3-Dichloropropene	25.0	25.1	100	80-120	
Trichloroethene	25.0	26.4	106	74-123	
Trichlorofluoromethane	25.0	24.1	96	62-150	
Vinyl chloride	25.0	26.3	105	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T0754.D
 Lab ID: LCS 480-472206/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	34.4	138	73-126	*
1,1,2,2-Tetrachloroethane	25.0	22.3	89	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	30.5	122	61-148	
1,1,2-Trichloroethane	25.0	23.0	92	76-122	
1,1-Dichloroethane	25.0	31.6	127	77-120	*
1,1-Dichloroethene	25.0	25.0	100	66-127	
1,2,4-Trichlorobenzene	25.0	23.9	95	79-122	
1,2,4-Trimethylbenzene	25.0	23.0	92	76-121	
1,2-Dibromo-3-Chloropropane	25.0	24.5	98	56-134	
1,2-Dibromoethane	25.0	26.9	108	77-120	
1,2-Dichlorobenzene	25.0	25.1	100	80-124	
1,2-Dichloroethane	25.0	30.3	121	75-120	*
1,2-Dichloropropane	25.0	32.6	130	76-120	*
1,3,5-Trimethylbenzene	25.0	22.9	92	77-121	
1,3-Dichlorobenzene	25.0	25.2	101	77-120	
1,4-Dichlorobenzene	25.0	24.2	97	80-120	
2-Butanone (MEK)	125	138	111	57-140	
2-Hexanone	125	142	114	65-127	
4-Methyl-2-pentanone (MIBK)	125	127	102	71-125	
Acetone	125	147	117	56-142	
Benzene	25.0	29.9	120	71-124	
Bromodichloromethane	25.0	34.1	137	80-122	*
Bromoform	25.0	48.3	193	61-132	*
Bromomethane	25.0	30.6	122	55-144	
Carbon disulfide	25.0	27.4	110	59-134	
Carbon tetrachloride	25.0	41.9	168	72-134	*
Chlorobenzene	25.0	25.9	104	80-120	
Chloroethane	25.0	37.5	150	69-136	*
Chloroform	25.0	30.1	120	73-127	
Chloromethane	25.0	32.8	131	68-124	*
cis-1,2-Dichloroethene	25.0	28.1	112	74-124	
cis-1,3-Dichloropropene	25.0	32.9	132	74-124	*
Cyclohexane	25.0	32.5	130	59-135	
Dibromochloromethane	25.0	38.9	156	75-125	*
Dichlorodifluoromethane	25.0	27.8	111	59-135	
Ethylbenzene	25.0	26.5	106	77-123	
Isopropylbenzene	25.0	23.7	95	77-122	
Methyl acetate	50.0	48.9	98	74-133	
Methyl tert-butyl ether	25.0	26.0	104	77-120	
Methylcyclohexane	25.0	31.7	127	68-134	
Methylene Chloride	25.0	25.8	103	75-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T0754.D
 Lab ID: LCS 480-472206/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
N-Propylbenzene	25.0	23.3	93	75-127	
Styrene	25.0	26.5	106	80-120	
Tetrachloroethene	25.0	32.5	130	74-122	*
Toluene	25.0	25.4	102	80-122	
trans-1,2-Dichloroethene	25.0	25.7	103	73-127	
trans-1,3-Dichloropropene	25.0	25.7	103	80-120	
Trichloroethene	25.0	29.9	120	74-123	
Trichlorofluoromethane	25.0	31.8	127	62-150	
Vinyl chloride	25.0	30.6	122	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S4820.D
 Lab ID: LCS 480-472381/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	21.5	86	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.2	97	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.4	97	61-148	
1,1,2-Trichloroethane	25.0	23.9	96	76-122	
1,1-Dichloroethane	25.0	22.2	89	77-120	
1,1-Dichloroethene	25.0	22.7	91	66-127	
1,2,4-Trichlorobenzene	25.0	20.7	83	79-122	
1,2,4-Trimethylbenzene	25.0	22.8	91	76-121	
1,2-Dibromo-3-Chloropropane	25.0	19.8	79	56-134	
1,2-Dibromoethane	25.0	22.4	90	77-120	
1,2-Dichlorobenzene	25.0	22.1	88	80-124	
1,2-Dichloroethane	25.0	20.3	81	75-120	
1,2-Dichloropropane	25.0	26.5	106	76-120	
1,3,5-Trimethylbenzene	25.0	22.8	91	77-121	
1,3-Dichlorobenzene	25.0	23.2	93	77-120	
1,4-Dichlorobenzene	25.0	22.9	92	80-120	
2-Butanone (MEK)	125	114	91	57-140	
2-Hexanone	125	116	93	65-127	
4-Methyl-2-pentanone (MIBK)	125	105	84	71-125	
Acetone	125	120	96	56-142	
Benzene	25.0	23.7	95	71-124	
Bromodichloromethane	25.0	23.1	92	80-122	
Bromoform	25.0	23.9	96	61-132	
Bromomethane	25.0	21.8	87	55-144	
Carbon disulfide	25.0	22.3	89	59-134	
Carbon tetrachloride	25.0	22.4	90	72-134	
Chlorobenzene	25.0	22.7	91	80-120	
Chloroethane	25.0	22.9	92	69-136	
Chloroform	25.0	21.0	84	73-127	
Chloromethane	25.0	22.9	92	68-124	
cis-1,2-Dichloroethene	25.0	21.1	84	74-124	
cis-1,3-Dichloropropene	25.0	25.3	101	74-124	
Cyclohexane	25.0	24.5	98	59-135	
Dibromochloromethane	25.0	24.0	96	75-125	
Dichlorodifluoromethane	25.0	22.9	92	59-135	
Ethylbenzene	25.0	22.2	89	77-123	
Isopropylbenzene	25.0	22.6	90	77-122	
Methyl acetate	50.0	40.7	81	74-133	
Methyl tert-butyl ether	25.0	19.6	78	77-120	
Methylcyclohexane	25.0	24.1	96	68-134	
Methylene Chloride	25.0	23.3	93	75-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S4820.D
 Lab ID: LCS 480-472381/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
N-Propylbenzene	25.0	23.2	93	75-127	
Styrene	25.0	22.4	90	80-120	
Tetrachloroethene	25.0	21.8	87	74-122	
Toluene	25.0	23.1	92	80-122	
trans-1,2-Dichloroethene	25.0	21.6	86	73-127	
trans-1,3-Dichloropropene	25.0	24.9	99	80-120	
Trichloroethene	25.0	22.5	90	74-123	
Trichlorofluoromethane	25.0	23.0	92	62-150	
Vinyl chloride	25.0	24.0	96	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S4935.D
 Lab ID: LCS 480-472454/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	22.4	90	73-126	
1,1,2,2-Tetrachloroethane	25.0	26.4	105	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.3	105	61-148	
1,1,2-Trichloroethane	25.0	27.1	108	76-122	
1,1-Dichloroethane	25.0	22.1	89	77-120	
1,1-Dichloroethene	25.0	23.4	94	66-127	
1,2,4-Trichlorobenzene	25.0	22.2	89	79-122	
1,2,4-Trimethylbenzene	25.0	24.9	100	76-121	
1,2-Dibromo-3-Chloropropane	25.0	21.4	86	56-134	
1,2-Dibromoethane	25.0	25.0	100	77-120	
1,2-Dichlorobenzene	25.0	24.1	97	80-124	
1,2-Dichloroethane	25.0	20.5	82	75-120	
1,2-Dichloropropane	25.0	26.2	105	76-120	
1,3,5-Trimethylbenzene	25.0	24.9	100	77-121	
1,3-Dichlorobenzene	25.0	25.6	103	77-120	
1,4-Dichlorobenzene	25.0	24.6	99	80-120	
2-Butanone (MEK)	125	99.9	80	57-140	
2-Hexanone	125	112	90	65-127	
4-Methyl-2-pentanone (MIBK)	125	102	81	71-125	
Acetone	125	109	87	56-142	
Benzene	25.0	24.9	100	71-124	
Bromodichloromethane	25.0	24.7	99	80-122	
Bromoform	25.0	26.2	105	61-132	
Bromomethane	25.0	20.0	80	55-144	
Carbon disulfide	25.0	24.0	96	59-134	
Carbon tetrachloride	25.0	24.4	98	72-134	
Chlorobenzene	25.0	25.2	101	80-120	
Chloroethane	25.0	19.7	79	69-136	
Chloroform	25.0	21.4	85	73-127	
Chloromethane	25.0	20.7	83	68-124	
cis-1,2-Dichloroethene	25.0	22.0	88	74-124	
cis-1,3-Dichloropropene	25.0	26.5	106	74-124	
Cyclohexane	25.0	26.2	105	59-135	
Dibromochloromethane	25.0	27.0	108	75-125	
Dichlorodifluoromethane	25.0	26.1	104	59-135	
Ethylbenzene	25.0	24.9	100	77-123	
Isopropylbenzene	25.0	25.1	100	77-122	
Methyl acetate	50.0	33.8	68	74-133	*
Methyl tert-butyl ether	25.0	19.5	78	77-120	
Methylcyclohexane	25.0	27.2	109	68-134	
Methylene Chloride	25.0	23.3	93	75-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S4935.D
 Lab ID: LCS 480-472454/6 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
N-Propylbenzene	25.0	25.8	103	75-127	
Styrene	25.0	25.3	101	80-120	
Tetrachloroethene	25.0	25.1	100	74-122	
Toluene	25.0	26.0	104	80-122	
trans-1,2-Dichloroethene	25.0	22.3	89	73-127	
trans-1,3-Dichloropropene	25.0	26.7	107	80-120	
Trichloroethene	25.0	24.0	96	74-123	
Trichlorofluoromethane	25.0	22.5	90	62-150	
Vinyl chloride	25.0	21.6	87	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.: 480-152909-1
SDG No.: _____
Lab File ID: T0731.D Lab Sample ID: MB 480-472168/9
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5975T Date Analyzed: 05/09/2019 23:42
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 480-472168/5	T0727.D	05/09/2019 22:04
IW7-050119	480-152909-8	T0738.D	05/10/2019 02:45
IW-2-050119	480-152909-10	T0740.D	05/10/2019 03:34
VRI-I-050119	480-152909-11	T0741.D	05/10/2019 03:58
TRIP BLANK	480-152909-12	T0742.D	05/10/2019 04:27

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
SDG No.: _____
Lab File ID: T0756.D Lab Sample ID: MB 480-472206/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5975T Date Analyzed: 05/10/2019 12:28
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 480-472206/5	T0754.D	05/10/2019 11:39
IW7-050119 DL	480-152909-8 DL	T0757.D	05/10/2019 13:00
IW-3-050119	480-152909-9	T0758.D	05/10/2019 13:25

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
SDG No.: _____
Lab File ID: S4822.D Lab Sample ID: MB 480-472381/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973S Date Analyzed: 05/11/2019 12:56
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 480-472381/5	S4820.D	05/11/2019 12:07
GT-14-050219	480-152909-1	S4825.D	05/11/2019 14:21
IW-5-050219	480-152909-2	S4826.D	05/11/2019 14:45
VRI-2-050219	480-152909-3	S4827.D	05/11/2019 15:08
IW-6-050219	480-152909-4	S4828.D	05/11/2019 15:31
VRI-3-050219	480-152909-6	S4830.D	05/11/2019 16:20
EB-050219	480-152909-7	S4831.D	05/11/2019 16:43

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
SDG No.: _____
Lab File ID: S4937.D Lab Sample ID: MB 480-472454/8
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973S Date Analyzed: 05/13/2019 10:51
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 480-472454/6	S4935.D	05/13/2019 10:05
IW-6-050219 DL	480-152909-4 DL	S4938.D	05/13/2019 11:35
IW-4-050219	480-152909-5	S4939.D	05/13/2019 11:58

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
SDG No.: _____
Lab File ID: S2841.D BFB Injection Date: 03/26/2019
Instrument ID: HP5973S BFB Injection Time: 13:57
Analysis Batch No.: 464731

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	20.4
75	30.0 - 60.0 % of mass 95	52.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.4
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	82.7
175	5.0 - 9.0 % of mass 174	6.5 (7.8) 1
176	95.0 - 101.0 % of mass 174	81.7 (98.9) 1
177	5.0 - 9.0 % of mass 176	5.4 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-464731/6	S2843.D	03/26/2019	14:45
	IC 480-464731/7	S2844.D	03/26/2019	15:08
	IC 480-464731/8	S2845.D	03/26/2019	15:30
	IC 480-464731/9	S2846.D	03/26/2019	15:53
	IC 480-464731/10	S2847.D	03/26/2019	16:16
	ICIS 480-464731/11	S2848.D	03/26/2019	16:39
	IC 480-464731/12	S2849.D	03/26/2019	17:03
	IC 480-464731/13	S2850.D	03/26/2019	17:26

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
SDG No.: _____
Lab File ID: S4817.D BFB Injection Date: 05/11/2019
Instrument ID: HP5973S BFB Injection Time: 10:56
Analysis Batch No.: 472381

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.5
75	30.0 - 60.0 % of mass 95	49.1
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	50.0 - 120.00 % of mass 95	77.3
175	5.0 - 9.0 % of mass 174	5.8 (7.4) 1
176	95.0 - 101.0 % of mass 174	74.2 (96.0) 1
177	5.0 - 9.0 % of mass 176	4.8 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-472381/3	S4818.D	05/11/2019	11:21
	LCS 480-472381/5	S4820.D	05/11/2019	12:07
	MB 480-472381/7	S4822.D	05/11/2019	12:56
GT-14-050219	480-152909-1	S4825.D	05/11/2019	14:21
IW-5-050219	480-152909-2	S4826.D	05/11/2019	14:45
VRI-2-050219	480-152909-3	S4827.D	05/11/2019	15:08
IW-6-050219	480-152909-4	S4828.D	05/11/2019	15:31
VRI-3-050219	480-152909-6	S4830.D	05/11/2019	16:20
EB-050219	480-152909-7	S4831.D	05/11/2019	16:43

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Lab File ID: S4932.D BFB Injection Date: 05/13/2019
 Instrument ID: HP5973S BFB Injection Time: 08:53
 Analysis Batch No.: 472454

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.8
75	30.0 - 60.0 % of mass 95	51.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.0
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	78.3
175	5.0 - 9.0 % of mass 174	5.8 (7.5) 1
176	95.0 - 101.0 % of mass 174	77.2 (98.6) 1
177	5.0 - 9.0 % of mass 176	4.7 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-472454/4	S4933.D	05/13/2019	09:19
	LCS 480-472454/6	S4935.D	05/13/2019	10:05
	MB 480-472454/8	S4937.D	05/13/2019	10:51
IW-6-050219 DL	480-152909-4 DL	S4938.D	05/13/2019	11:35
IW-4-050219	480-152909-5	S4939.D	05/13/2019	11:58

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Lab File ID: T0004.D BFB Injection Date: 04/19/2019
 Instrument ID: HP5975T BFB Injection Time: 16:04
 Analysis Batch No.: 468875

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.8
75	30.0 - 60.0 % of mass 95	51.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.3
173	Less than 2.0 % of mass 174	0.9 (1.2) 1
174	50.0 - 120.00 % of mass 95	76.2
175	5.0 - 9.0 % of mass 174	5.9 (7.7) 1
176	95.0 - 101.0 % of mass 174	73.0 (95.8) 1
177	5.0 - 9.0 % of mass 176	4.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-468875/5	T0007.D	04/19/2019	17:06
	IC 480-468875/6	T0008.D	04/19/2019	17:30
	IC 480-468875/7	T0009.D	04/19/2019	17:55
	IC 480-468875/8	T0010.D	04/19/2019	18:19
	IC 480-468875/9	T0011.D	04/19/2019	18:44
	ICIS 480-468875/10	T0012.D	04/19/2019	19:08
	IC 480-468875/11	T0013.D	04/19/2019	19:32
	IC 480-468875/12	T0014.D	04/19/2019	19:57

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
SDG No.: _____
Lab File ID: T0724.D BFB Injection Date: 05/09/2019
Instrument ID: HP5975T BFB Injection Time: 20:45
Analysis Batch No.: 472168

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.6
75	30.0 - 60.0 % of mass 95	47.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.0
173	Less than 2.0 % of mass 174	1.7 (1.9) 1
174	50.0 - 120.00 % of mass 95	88.9
175	5.0 - 9.0 % of mass 174	7.1 (8.0) 1
176	95.0 - 101.0 % of mass 174	87.7 (98.6) 1
177	5.0 - 9.0 % of mass 176	5.6 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-472168/3	T0725.D	05/09/2019	21:09
	LCS 480-472168/5	T0727.D	05/09/2019	22:04
	MB 480-472168/9	T0731.D	05/09/2019	23:42
IW7-050119	480-152909-8	T0738.D	05/10/2019	02:45
IW-2-050119	480-152909-10	T0740.D	05/10/2019	03:34
VRI-I-050119	480-152909-11	T0741.D	05/10/2019	03:58
TRIP BLANK	480-152909-12	T0742.D	05/10/2019	04:27

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Lab File ID: T0751.D BFB Injection Date: 05/10/2019
 Instrument ID: HP5975T BFB Injection Time: 10:23
 Analysis Batch No.: 472206

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.3
75	30.0 - 60.0 % of mass 95	55.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.6
173	Less than 2.0 % of mass 174	1.5 (1.5) 1
174	50.0 - 120.00 % of mass 95	95.7
175	5.0 - 9.0 % of mass 174	8.1 (8.4) 1
176	95.0 - 101.0 % of mass 174	92.1 (96.2) 1
177	5.0 - 9.0 % of mass 176	6.3 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-472206/3	T0752.D	05/10/2019	10:50
	LCS 480-472206/5	T0754.D	05/10/2019	11:39
	MB 480-472206/7	T0756.D	05/10/2019	12:28
IW7-050119 DL	480-152909-8 DL	T0757.D	05/10/2019	13:00
IW-3-050119	480-152909-9	T0758.D	05/10/2019	13:25

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Sample No.: ICIS 480-464731/11 Date Analyzed: 03/26/2019 16:39
 Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): S2848.D Heated Purge: (Y/N) N
 Calibration ID: 36463

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		163851	5.47	311589	8.47	313785	10.85
UPPER LIMIT		327702	5.97	623178	8.97	627570	11.35
LOWER LIMIT		81926	4.97	155795	7.97	156893	10.35
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCVIS 480-472381/3		131392	5.47	260054	8.47	253011	10.85
CCVIS 480-472454/4		103355	5.47	206617	8.47	196346	10.85

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.: 480-152909-1
 SDG No.: _____
 Sample No.: CCVIS 480-472381/3 Date Analyzed: 05/11/2019 11:21
 Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): S4818.D Heated Purge: (Y/N) N
 Calibration ID: 36466

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	131392	5.47	260054	8.47	253011	10.85	
UPPER LIMIT	262784	5.97	520108	8.97	506022	11.35	
LOWER LIMIT	65696	4.97	130027	7.97	126506	10.35	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-472381/5		130079	5.47	269795	8.47	253021	10.85
MB 480-472381/7		122467	5.47	269157	8.47	254075	10.85
480-152909-1	GT-14-050219	120842	5.47	263827	8.47	240388	10.85
480-152909-2	IW-5-050219	119296	5.47	248399	8.47	245773	10.85
480-152909-3	VRI-2-050219	122319	5.47	246527	8.47	218367	10.85
480-152909-4	IW-6-050219	118498	5.47	255499	8.47	244703	10.85
480-152909-6	VRI-3-050219	118971	5.47	251482	8.47	229622	10.85
480-152909-7	EB-050219	119970	5.47	261912	8.47	242309	10.85

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.: 480-152909-1
 SDG No.: _____
 Sample No.: CCVIS 480-472454/4 Date Analyzed: 05/13/2019 09:19
 Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): S4933.D Heated Purge: (Y/N) N
 Calibration ID: 36466

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	103355	5.47	206617	8.47	196346	10.85	
UPPER LIMIT	206710	5.97	413234	8.97	392692	11.35	
LOWER LIMIT	51678	4.97	103309	7.97	98173	10.35	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-472454/6		106492	5.47	210022	8.47	198397	10.85
MB 480-472454/8		99290	5.47	188691	8.47	167920	10.85
480-152909-4 DL	IW-6-050219 DL	99253	5.47	193859	8.47	198187	10.85
480-152909-5	IW-4-050219	101280	5.47	209966	8.47	198546	10.85

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.: 480-152909-1
 SDG No.: _____
 Sample No.: ICIS 480-468875/10 Date Analyzed: 04/19/2019 19:08
 Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): T0012.D Heated Purge: (Y/N) N
 Calibration ID: 36718

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	183743	4.86	680940	7.15	366661	9.01	
UPPER LIMIT	367486	5.36	1361880	7.65	733322	9.51	
LOWER LIMIT	91872	4.36	340470	6.65	183331	8.51	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-472168/3		110049	4.86	438706	7.15	241801	9.01
CCVIS 480-472206/3		142900	4.86	599249	7.15	363440	9.01

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.: 480-152909-1
 SDG No.: _____
 Sample No.: CCVIS 480-472168/3 Date Analyzed: 05/09/2019 21:09
 Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): T0725.D Heated Purge: (Y/N) N
 Calibration ID: 36715

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		110049	4.86	438706	7.15	241801	9.01
UPPER LIMIT		220098	5.36	877412	7.65	483602	9.51
LOWER LIMIT		55025	4.36	219353	6.65	120901	8.51
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-472168/5		104819	4.86	416673	7.15	236361	9.01
MB 480-472168/9		103770	4.86	420092	7.15	232038	9.01
480-152909-8	IW7-050119	95419	4.86	360610	7.15	235780	9.01
480-152909-10	IW-2-050119	98277	4.86	363912	7.15	209527	9.01
480-152909-11	VRI-I-050119	101208	4.86	382085	7.15	208758	9.01
480-152909-12	TRIP BLANK	92292	4.86	372665	7.15	202784	9.01

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.: 480-152909-1
 SDG No.: _____
 Sample No.: CCVIS 480-472206/3 Date Analyzed: 05/10/2019 10:50
 Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): T0752.D Heated Purge: (Y/N) N
 Calibration ID: 36715

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	142900	4.86	599249	7.15	363440	9.01	
UPPER LIMIT	285800	5.36	1198498	7.65	726880	9.51	
LOWER LIMIT	71450	4.36	299625	6.65	181720	8.51	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-472206/5		124666	4.87	556110	7.15	342255	9.01
MB 480-472206/7		128493	4.86	523938	7.15	298954	9.01
480-152909-8 DL	IW7-050119 DL	126158	4.86	517106	7.15	297022	9.01
480-152909-9	IW-3-050119	126193	4.86	499424	7.15	308072	9.01

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.: 480-152909-1
 SDG No.: _____
 Client Sample ID: GT-14-050219 Lab Sample ID: 480-152909-1
 Matrix: Water Lab File ID: S4825.D
 Analysis Method: 8260C Date Collected: 05/02/2019 14:25
 Sample wt/vol: 5 (mL) Date Analyzed: 05/11/2019 14:21
 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.: 472381 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-152909-1</u>
SDG No.: _____	
Client Sample ID: <u>GT-14-050219</u>	Lab Sample ID: <u>480-152909-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>S4825.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>05/02/2019 14:25</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>05/11/2019 14:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>472381</u>	Units: <u>ug/L</u>

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	87		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4825.D
 Lims ID: 480-152909-A-1
 Client ID: GT-14-050219
 Sample Type: Client
 Inject. Date: 11-May-2019 14:21:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-152909-A-1
 Misc. Info.: 480-0081008-011
 Operator ID: AEM Instrument ID: HP5973S
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-May-2019 08:48:34 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0327

First Level Reviewer: moffata

Date: 12-May-2019 08:48:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	120842	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.460	0.006	85	263827	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	95	240388	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.889	4.883	0.006	57	157400	23.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.193	0.000	92	101671	24.9	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.981	0.000	93	618452	23.5	
\$ 6 4-Bromofluorobenzene (Surr	174	9.719	9.727	-0.001	89	175979	21.8	
10 Dichlorodifluoromethane	85		1.270				ND	
12 Chloromethane	50		1.446				ND	
13 Vinyl chloride	62		1.549				ND	
14 Bromomethane	94		1.841				ND	
15 Chloroethane	64		1.939				ND	
17 Trichlorofluoromethane	101		2.170				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.669				ND	
22 1,1-Dichloroethene	96		2.675				ND	
23 Acetone	43	2.796	2.796	-0.001	64	4833	1.50	a
26 Carbon disulfide	76		2.876				ND	U
27 Methyl acetate	43		3.101				ND	
30 Methylene Chloride	84		3.198				ND	
32 Methyl tert-butyl ether	73		3.411				ND	
34 trans-1,2-Dichloroethene	96		3.429				ND	
39 1,1-Dichloroethane	63		3.849				ND	
45 cis-1,2-Dichloroethene	96		4.409				ND	
43 2-Butanone (MEK)	43		4.451				ND	
50 Chloroform	83		4.725				ND	
51 1,1,1-Trichloroethane	97		4.835				ND	
52 Cyclohexane	56		4.841				ND	
55 Carbon tetrachloride	117		4.975				ND	
57 Benzene	78		5.194				ND	
58 1,2-Dichloroethane	62		5.267				ND	
62 Trichloroethene	95		5.802				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.917				ND	
65 1,2-Dichloropropane	63		6.051				ND	
68 Dichlorobromomethane	83		6.343				ND	
72 cis-1,3-Dichloropropene	75		6.757				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.903				ND	
74 Toluene	92		7.043				ND	
77 trans-1,3-Dichloropropene	75		7.329				ND	
79 1,1,2-Trichloroethane	83		7.517				ND	
81 Tetrachloroethene	166		7.572				ND	
80 2-Hexanone	43		7.749				ND	
83 Chlorodibromomethane	129		7.919				ND	
84 Ethylene Dibromide	107		8.022				ND	
87 Chlorobenzene	112		8.497				ND	
88 Ethylbenzene	91		8.582				ND	
90 m-Xylene & p-Xylene	106		8.704				ND	
91 o-Xylene	106		9.136				ND	
92 Styrene	104		9.166				ND	
95 Bromoform	173		9.416				ND	
94 Isopropylbenzene	105		9.519				ND	
97 1,1,2,2-Tetrachloroethane	83		9.927				ND	
99 N-Propylbenzene	91		9.945				ND	
102 1,3,5-Trimethylbenzene	105		10.121				ND	
107 1,2,4-Trimethylbenzene	105		10.492				ND	
111 1,3-Dichlorobenzene	146		10.784				ND	
113 1,4-Dichlorobenzene	146		10.870				ND	
116 1,2-Dichlorobenzene	146		11.222				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.952				ND	
119 1,2,4-Trichlorobenzene	180		12.622				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

S_8260_IS_00318

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00315

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4825.D

Injection Date: 11-May-2019 14:21:30

Instrument ID: HP5973S

Operator ID: AEM

Lims ID: 480-152909-A-1

Lab Sample ID: 480-152909-1

Worklist Smp#: 11

Client ID: GT-14-050219

Purge Vol: 5.000 mL

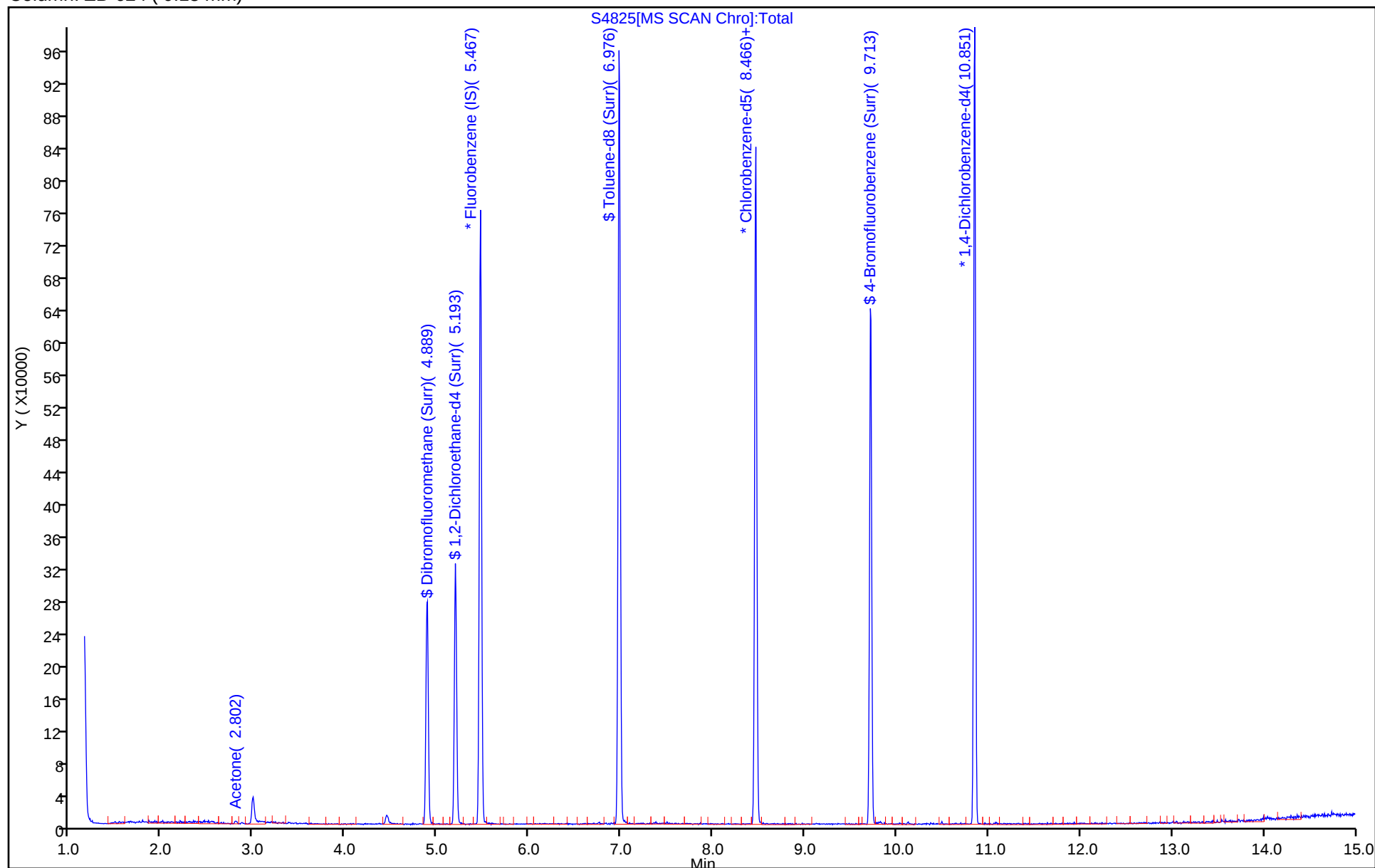
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

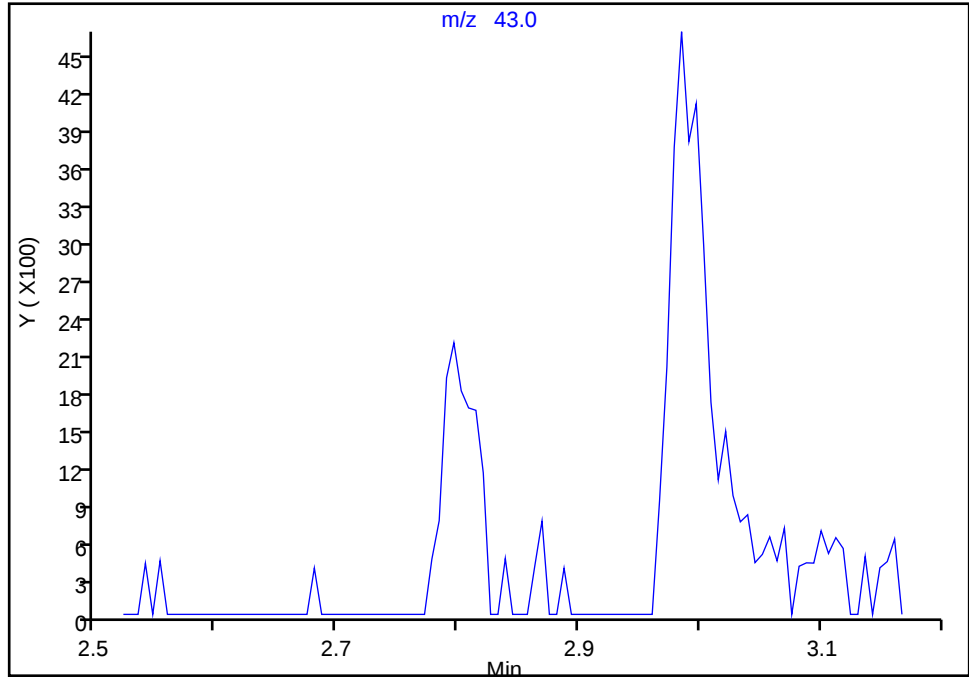
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4825.D
Injection Date: 11-May-2019 14:21:30 Instrument ID: HP5973S
Lims ID: 480-152909-A-1 Lab Sample ID: 480-152909-1
Client ID: GT-14-050219
Operator ID: AEM ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

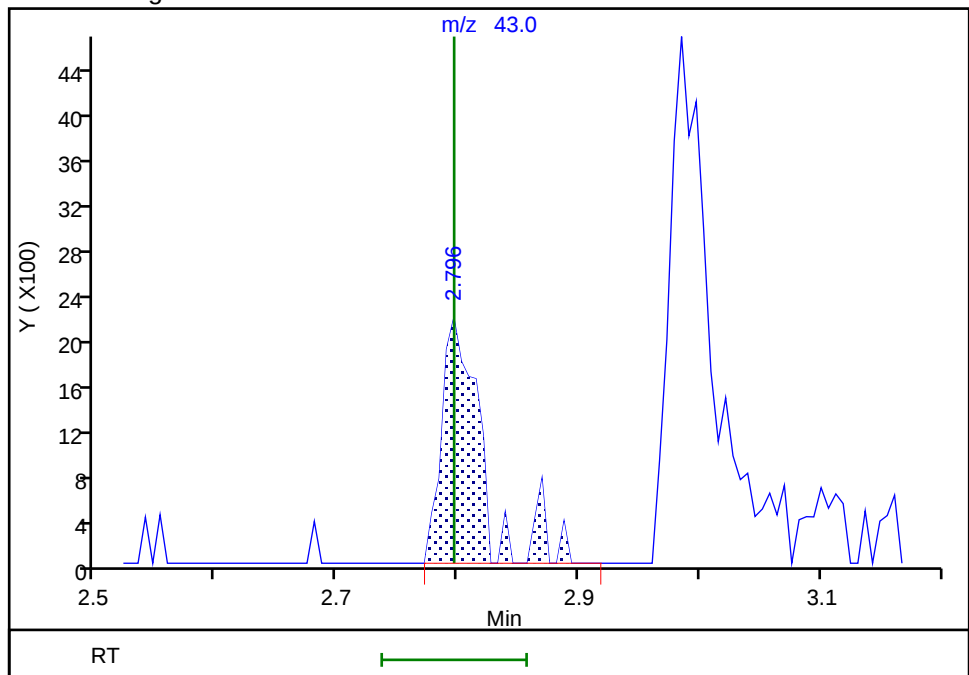
Not Detected
Expected RT: 2.80

Processing Integration Results



RT: 2.80
Area: 4833
Amount: 1.498603
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 12-May-2019 08:48:15
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4825.D

Injection Date: 11-May-2019 14:21:30

Instrument ID: HP5973S

Lims ID: 480-152909-A-1

Lab Sample ID: 480-152909-1

Client ID: GT-14-050219

Operator ID: AEM

ALS Bottle#: 10 Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

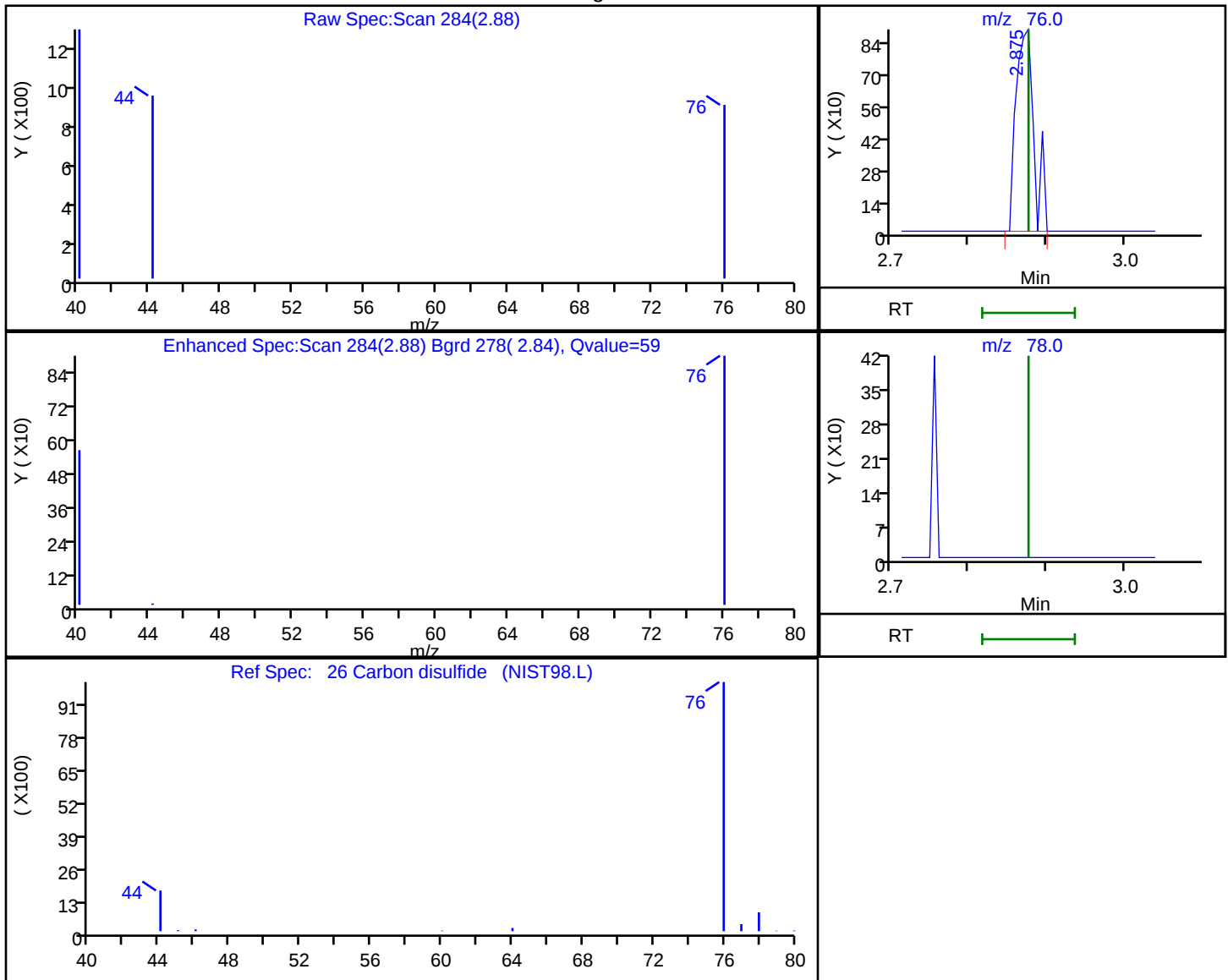
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.88	76.00	1451	0.071421
2.88	78.00	0	

Reviewer: moffata, 12-May-2019 08:48:17

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.: 480-152909-1
 SDG No.: _____
 Client Sample ID: IW-5-050219 Lab Sample ID: 480-152909-2
 Matrix: Water Lab File ID: S4826.D
 Analysis Method: 8260C Date Collected: 05/02/2019 12:05
 Sample wt/vol: 5 (mL) Date Analyzed: 05/11/2019 14:45
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472381 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		20	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	4.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2
79-00-5	1,1,2-Trichloroethane	ND		20	4.6
75-34-3	1,1-Dichloroethane	ND		20	7.6
75-35-4	1,1-Dichloroethene	ND		20	5.8
120-82-1	1,2,4-Trichlorobenzene	ND		20	8.2
95-63-6	1,2,4-Trimethylbenzene	580		20	15
96-12-8	1,2-Dibromo-3-Chloropropane	ND		20	7.8
106-93-4	1,2-Dibromoethane	ND		20	15
95-50-1	1,2-Dichlorobenzene	ND		20	16
107-06-2	1,2-Dichloroethane	ND		20	4.2
78-87-5	1,2-Dichloropropane	ND		20	14
108-67-8	1,3,5-Trimethylbenzene	490		20	15
541-73-1	1,3-Dichlorobenzene	ND		20	16
106-46-7	1,4-Dichlorobenzene	ND		20	17
78-93-3	2-Butanone (MEK)	ND		200	26
591-78-6	2-Hexanone	ND		100	25
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		100	42
67-64-1	Acetone	ND		200	60
71-43-2	Benzene	ND		20	8.2
75-27-4	Bromodichloromethane	ND		20	7.8
75-25-2	Bromoform	ND		20	5.2
74-83-9	Bromomethane	ND		20	14
75-15-0	Carbon disulfide	ND		20	3.8
56-23-5	Carbon tetrachloride	ND		20	5.4
108-90-7	Chlorobenzene	ND		20	15
75-00-3	Chloroethane	ND		20	6.4
67-66-3	Chloroform	ND		20	6.8
74-87-3	Chloromethane	ND		20	7.0
156-59-2	cis-1,2-Dichloroethene	ND		20	16
10061-01-5	cis-1,3-Dichloropropene	ND		20	7.2
110-82-7	Cyclohexane	ND		20	3.6
124-48-1	Dibromochloromethane	ND		20	6.4
75-71-8	Dichlorodifluoromethane	ND		20	14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: IW-5-050219 Lab Sample ID: 480-152909-2
 Matrix: Water Lab File ID: S4826.D
 Analysis Method: 8260C Date Collected: 05/02/2019 12:05
 Sample wt/vol: 5(mL) Date Analyzed: 05/11/2019 14:45
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472381 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		20	15
98-82-8	Isopropylbenzene	18	J	20	16
79-20-9	Methyl acetate	ND		50	26
1634-04-4	Methyl tert-butyl ether	ND		20	3.2
108-87-2	Methylcyclohexane	ND		20	3.2
75-09-2	Methylene Chloride	ND		20	8.8
103-65-1	N-Propylbenzene	17	J	20	14
100-42-5	Styrene	ND		20	15
127-18-4	Tetrachloroethene	ND		20	7.2
108-88-3	Toluene	ND		20	10
156-60-5	trans-1,2-Dichloroethene	ND		20	18
10061-02-6	trans-1,3-Dichloropropene	ND		20	7.4
79-01-6	Trichloroethene	ND		20	9.2
75-69-4	Trichlorofluoromethane	ND		20	18
75-01-4	Vinyl chloride	ND		20	18
1330-20-7	Xylenes, Total	200		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4826.D
 Lims ID: 480-152909-A-2
 Client ID: IW-5-050219
 Sample Type: Client
 Inject. Date: 11-May-2019 14:45:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 20.0000
 Sample Info: 480-152909-A-2
 Misc. Info.: 480-0081008-012
 Operator ID: AEM Instrument ID: HP5973S
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-May-2019 08:50:19 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0327

First Level Reviewer: moffata

Date: 12-May-2019 08:50:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	119296	25.0	
* 2 Chlorobenzene-d5	82	8.467	8.460	0.006	85	248399	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	94	245773	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	58	157893	24.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.194	5.193	0.001	91	103582	25.7	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.981	0.000	93	608122	24.5	
\$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.727	0.000	90	172167	22.6	
10 Dichlorodifluoromethane	85		1.270				ND	
12 Chloromethane	50		1.446				ND	
13 Vinyl chloride	62		1.549				ND	
14 Bromomethane	94		1.841				ND	
15 Chloroethane	64		1.939				ND	
17 Trichlorofluoromethane	101		2.170				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.669				ND	
22 1,1-Dichloroethene	96		2.675				ND	
23 Acetone	43		2.797				ND	
26 Carbon disulfide	76		2.876				ND	
27 Methyl acetate	43		3.101				ND	
30 Methylene Chloride	84		3.198				ND	
32 Methyl tert-butyl ether	73		3.411				ND	
34 trans-1,2-Dichloroethene	96		3.429				ND	
39 1,1-Dichloroethane	63		3.849				ND	
45 cis-1,2-Dichloroethene	96		4.409				ND	
43 2-Butanone (MEK)	43		4.451				ND	
50 Chloroform	83		4.725				ND	
51 1,1,1-Trichloroethane	97		4.835				ND	
52 Cyclohexane	56		4.841				ND	
55 Carbon tetrachloride	117		4.975				ND	
57 Benzene	78		5.194				ND	
58 1,2-Dichloroethane	62		5.267				ND	
62 Trichloroethene	95		5.802				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.917				ND	
65 1,2-Dichloropropane	63		6.051				ND	
68 Dichlorobromomethane	83		6.343				ND	
72 cis-1,3-Dichloropropene	75		6.757				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.903				ND	
74 Toluene	92		7.043				ND	
77 trans-1,3-Dichloropropene	75		7.329				ND	
79 1,1,2-Trichloroethane	83		7.517				ND	
81 Tetrachloroethene	166		7.572				ND	
80 2-Hexanone	43		7.749				ND	
83 Chlorodibromomethane	129		7.919				ND	
84 Ethylene Dibromide	107		8.022				ND	
87 Chlorobenzene	112		8.497				ND	
88 Ethylbenzene	91		8.582				ND	
90 m-Xylene & p-Xylene	106	8.704	8.710	0.000	29	3572	0.2729	
91 o-Xylene	106	9.136	9.142	0.000	97	134755	10.2	
92 Styrene	104		9.166				ND	U
95 Bromoform	173		9.416				ND	
94 Isopropylbenzene	105	9.513	9.519	-0.006	78	30704	0.9051	
97 1,1,2,2-Tetrachloroethane	83		9.927				ND	
99 N-Propylbenzene	91	9.939	9.945	-0.006	80	33647	0.8416	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	93	734444	24.5	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	97	879296	29.2	
111 1,3-Dichlorobenzene	146		10.784				ND	
113 1,4-Dichlorobenzene	146		10.870				ND	
116 1,2-Dichlorobenzene	146		11.222				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.952				ND	
119 1,2,4-Trichlorobenzene	180		12.622				ND	
S 124 Xylenes, Total	1				0		10.4	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00318

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00315

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4826.D

Injection Date: 11-May-2019 14:45:30

Instrument ID: HP5973S

Operator ID: AEM

Lims ID: 480-152909-A-2

Lab Sample ID: 480-152909-2

Worklist Smp#: 12

Client ID: IW-5-050219

Purge Vol: 5.000 mL

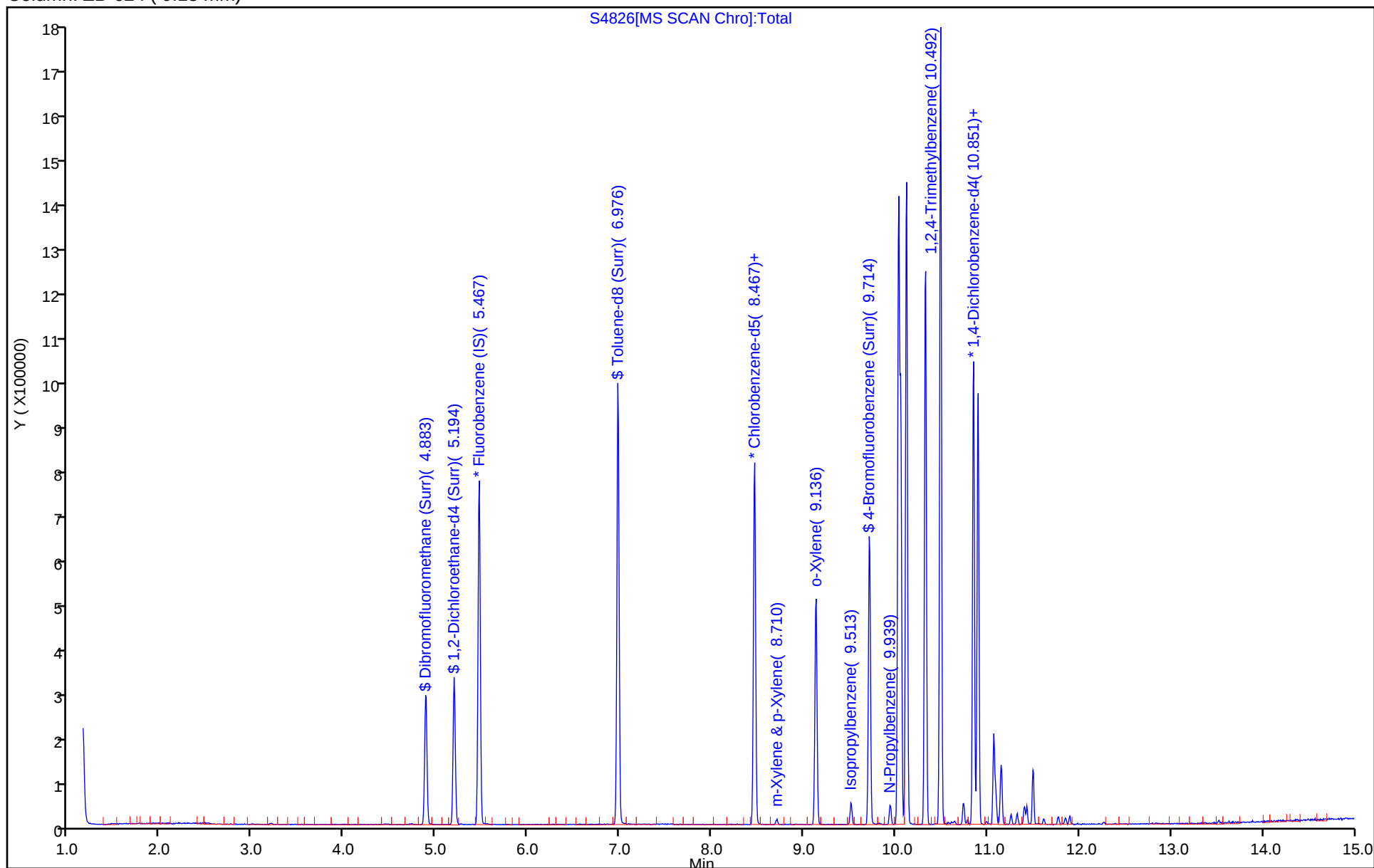
Dil. Factor: 20.0000

ALS Bottle#: 11

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4826.D

Injection Date: 11-May-2019 14:45:30

Instrument ID: HP5973S

Lims ID: 480-152909-A-2

Lab Sample ID: 480-152909-2

Client ID: IW-5-050219

Operator ID: AEM

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 5.000 mL

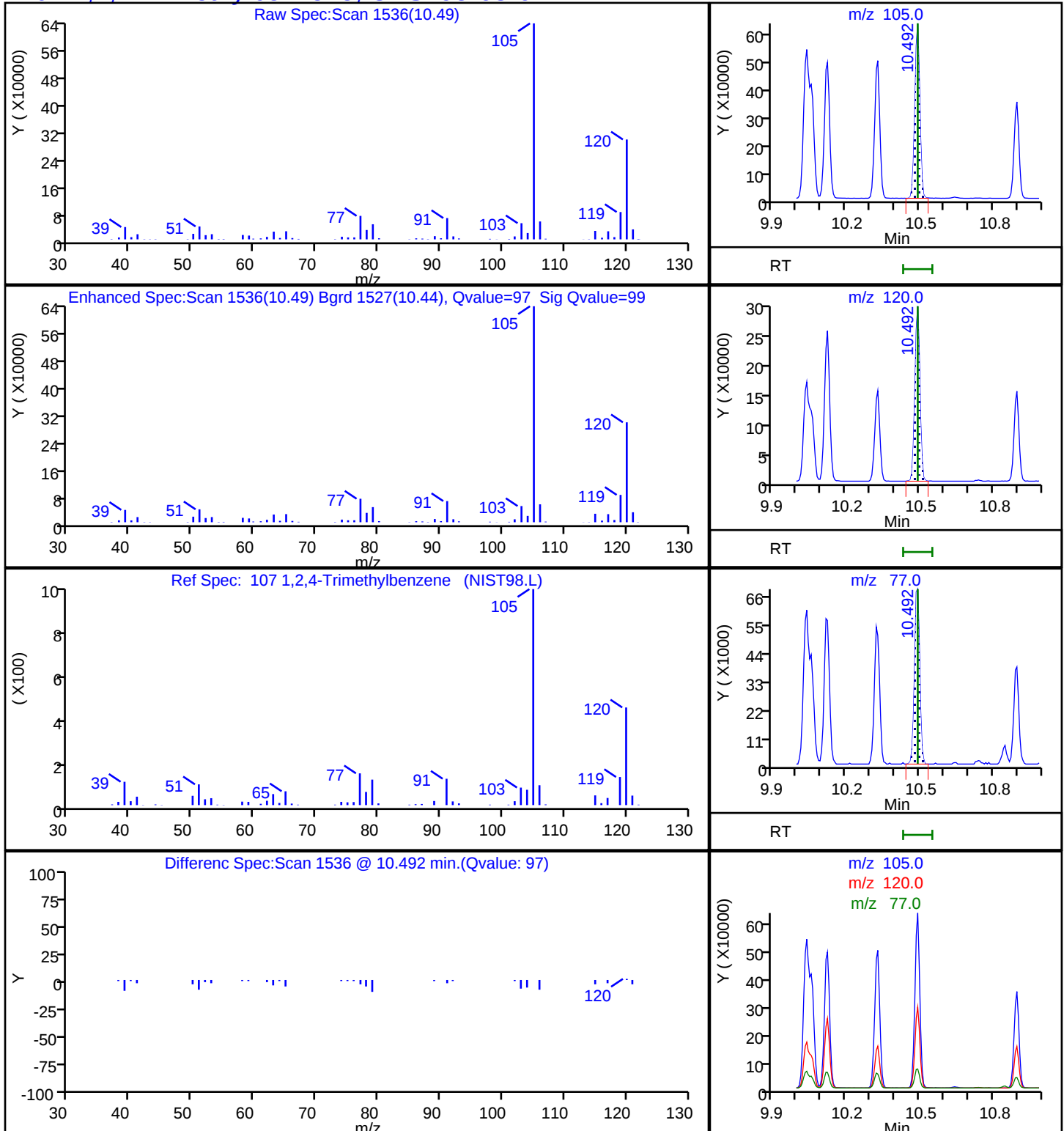
Dil. Factor: 20.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4826.D

Injection Date: 11-May-2019 14:45:30

Instrument ID: HP5973S

Lims ID: 480-152909-A-2

Lab Sample ID: 480-152909-2

Client ID: IW-5-050219

Operator ID: AEM

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 5.000 mL

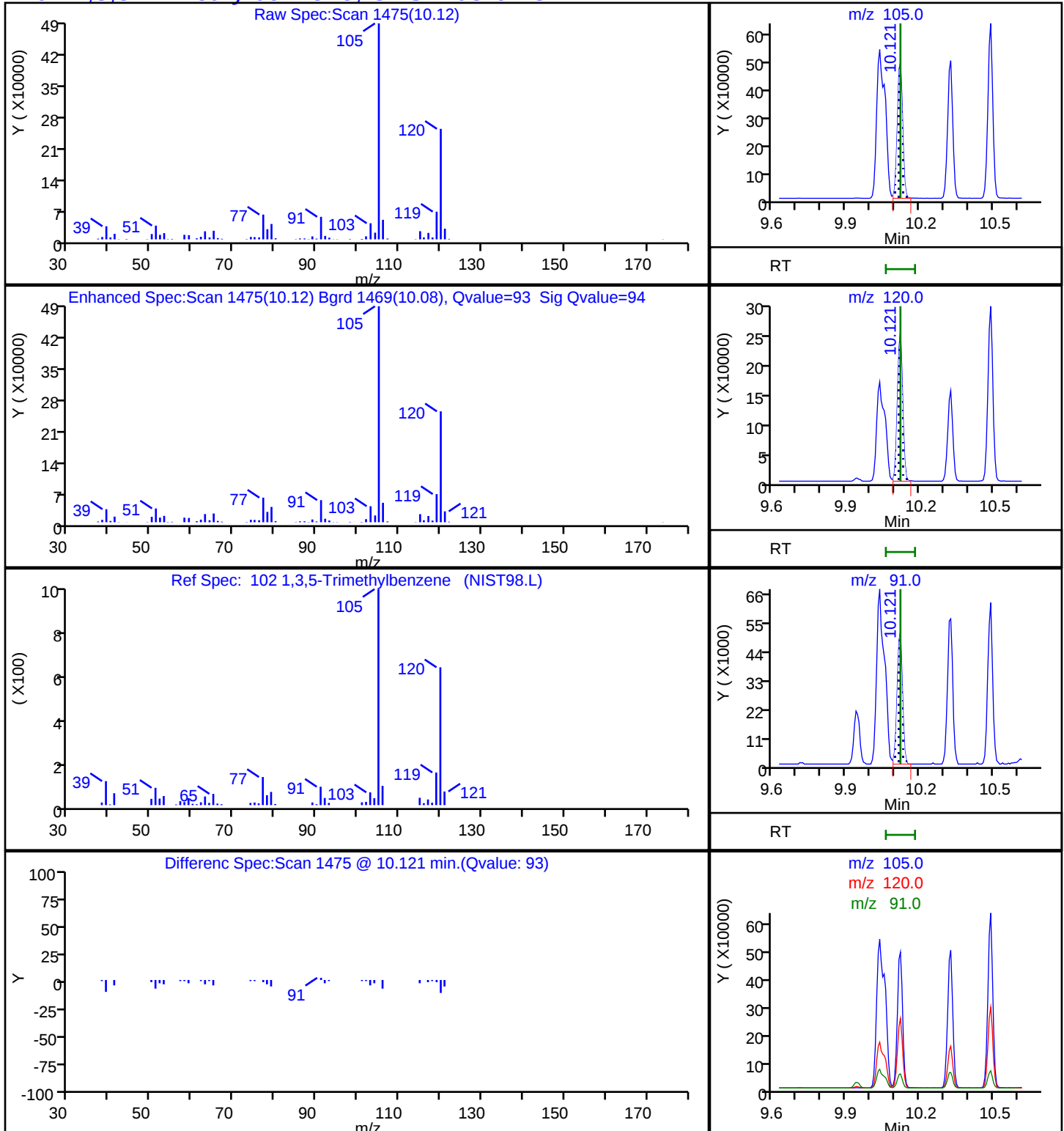
Dil. Factor: 20.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

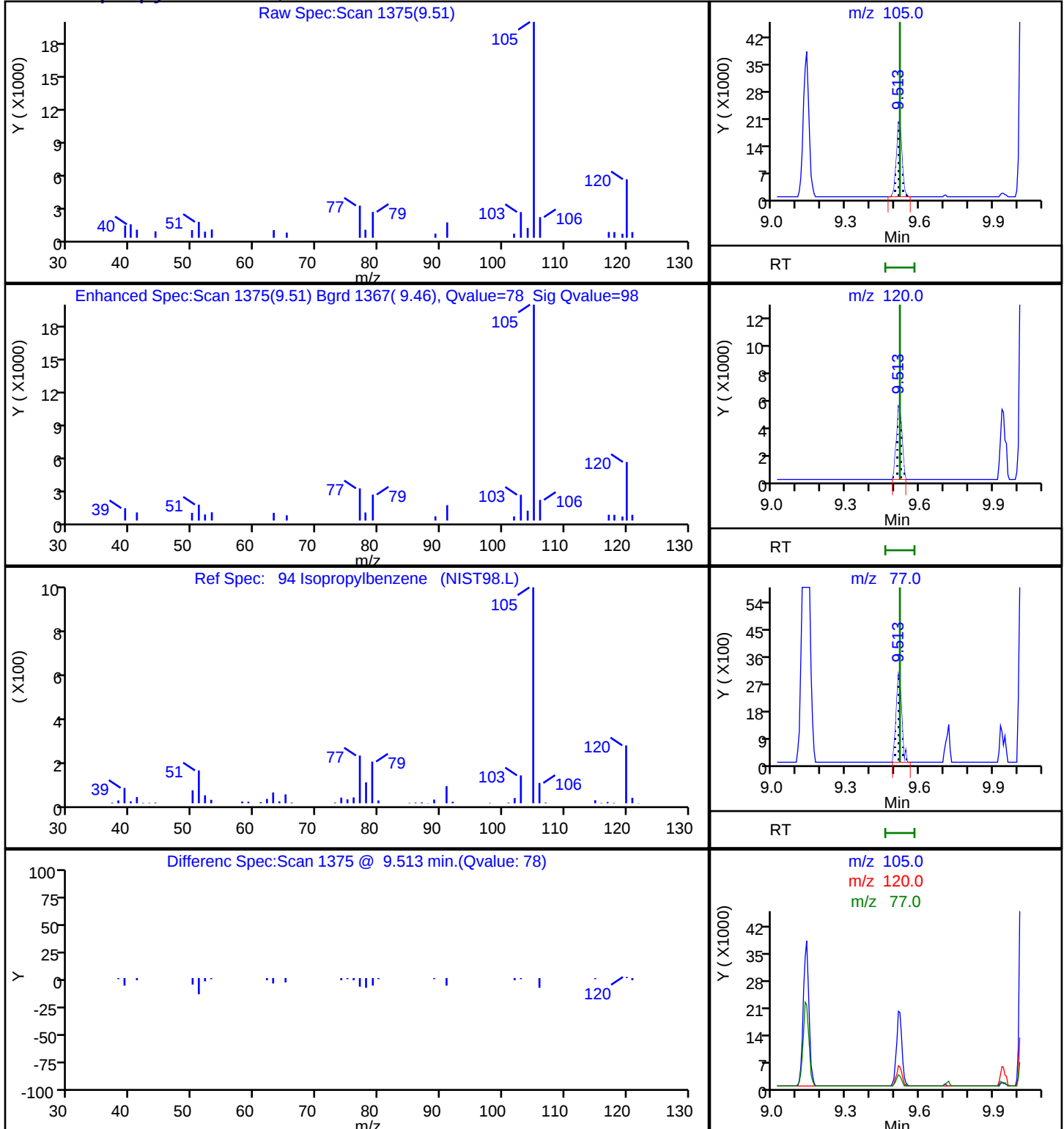
Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

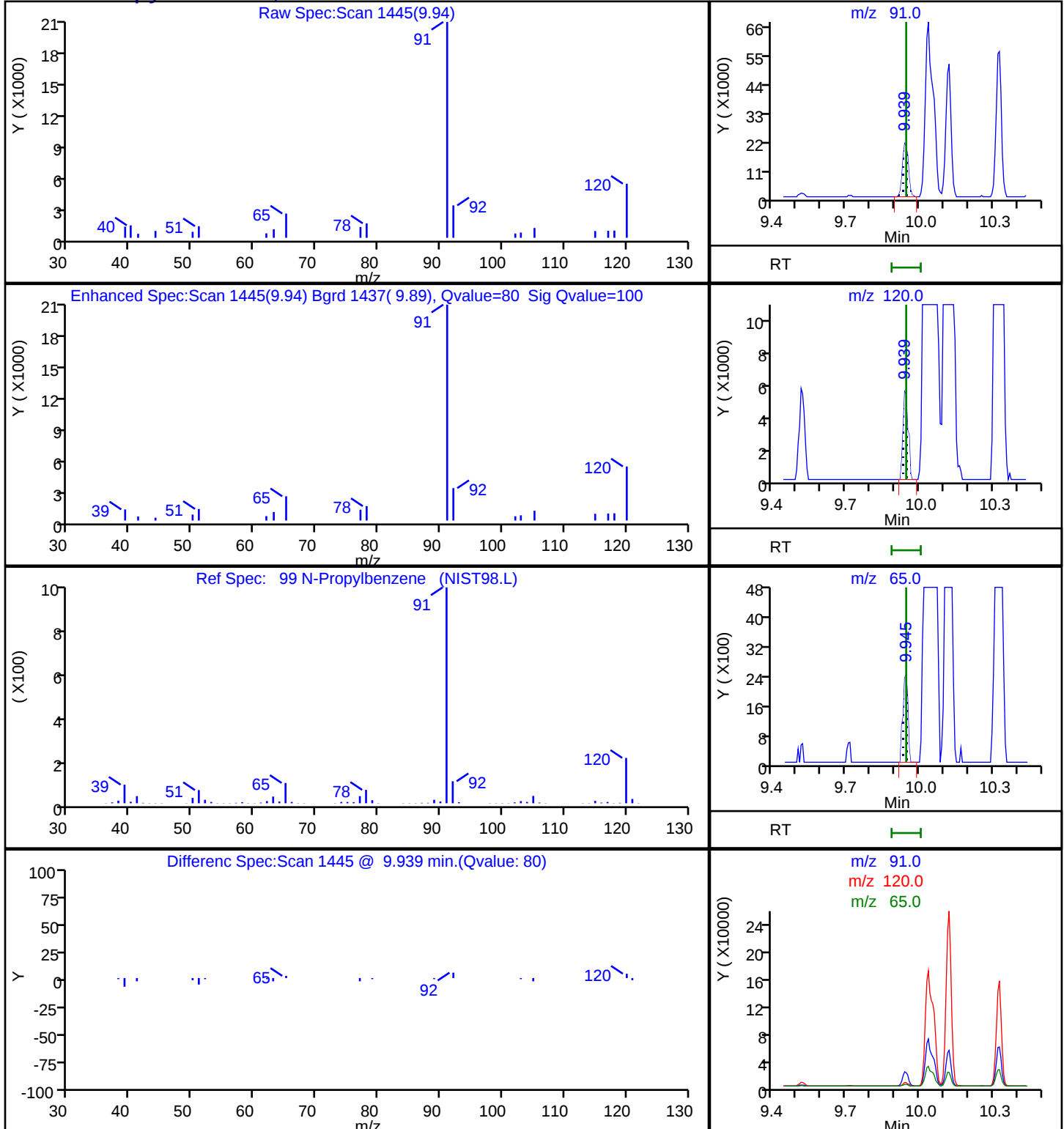
Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4826.D
Injection Date: 11-May-2019 14:45:30 Instrument ID: HP5973S
Lims ID: 480-152909-A-2 Lab Sample ID: 480-152909-2
Client ID: IW-5-050219
Operator ID: AEM ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

94 Isopropylbenzene, CAS: 98-82-8

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4826.D
Injection Date: 11-May-2019 14:45:30 Instrument ID: HP5973S
Lims ID: 480-152909-A-2 Lab Sample ID: 480-152909-2
Client ID: IW-5-050219
Operator ID: AEM ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4826.D

Injection Date: 11-May-2019 14:45:30

Instrument ID: HP5973S

Lims ID: 480-152909-A-2

Lab Sample ID: 480-152909-2

Client ID: IW-5-050219

Operator ID: AEM

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 20.0000

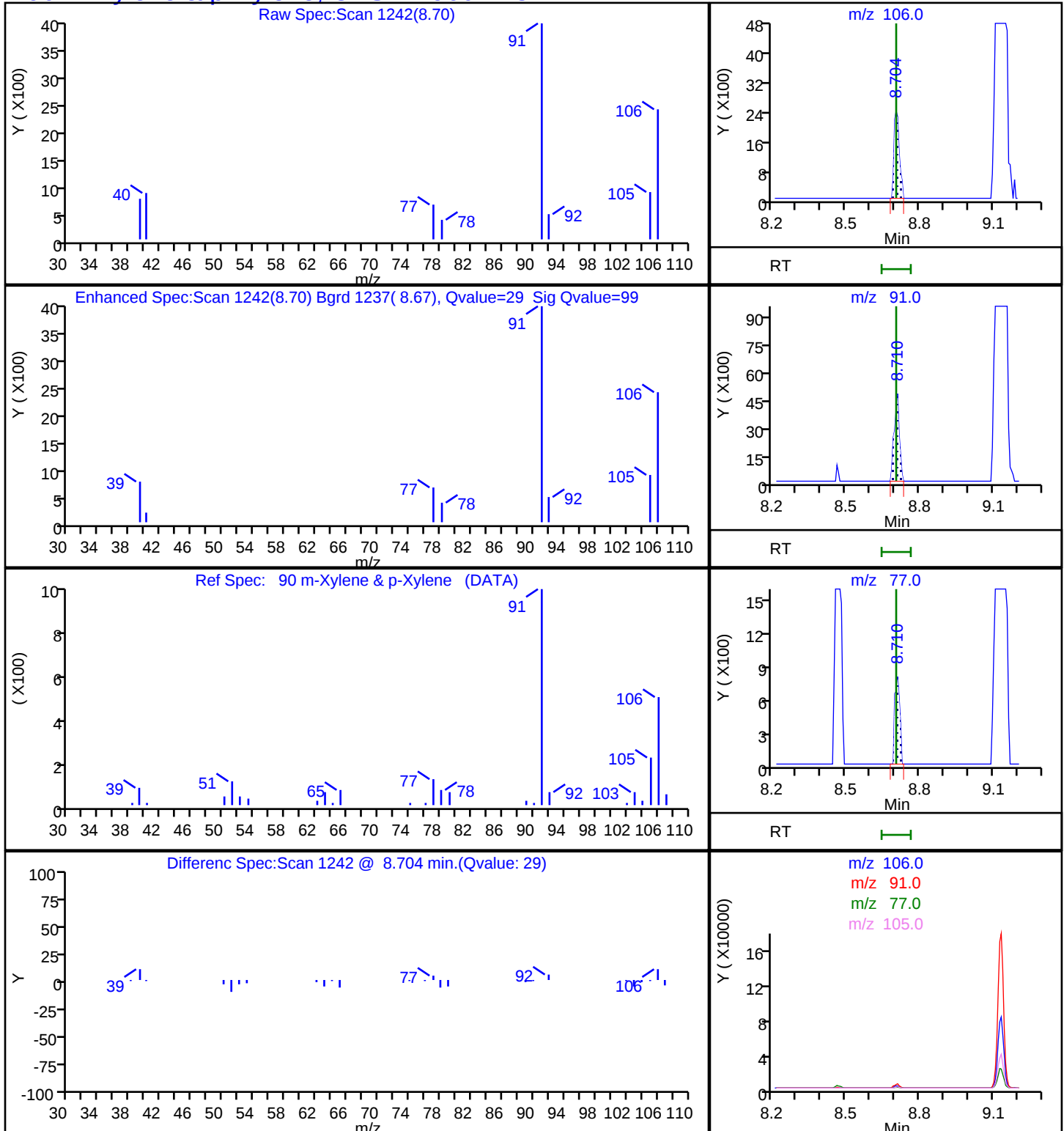
Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4826.D

Injection Date: 11-May-2019 14:45:30

Instrument ID: HP5973S

Lims ID: 480-152909-A-2

Lab Sample ID: 480-152909-2

Client ID: IW-5-050219

Operator ID: AEM

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 5.000 mL

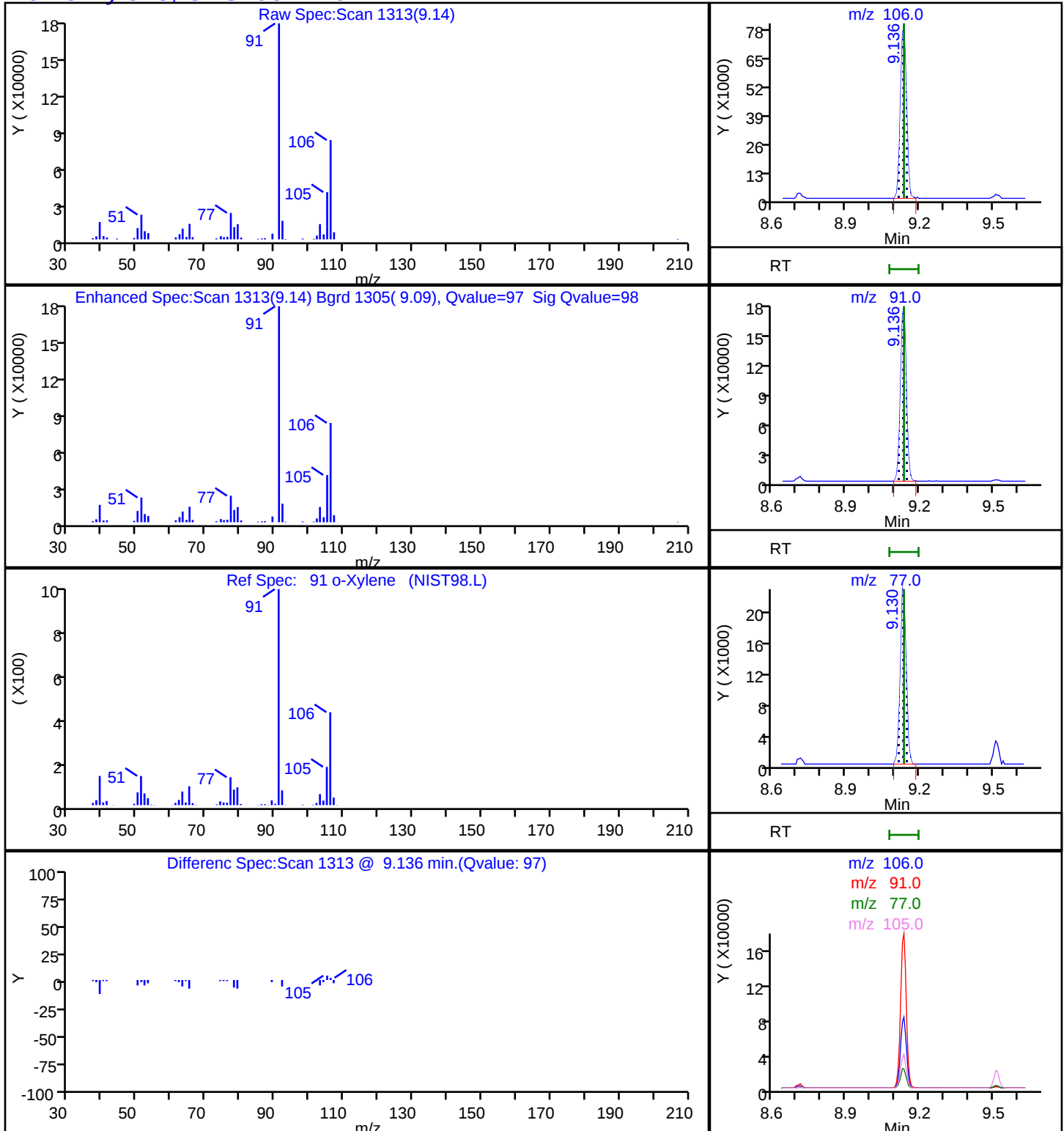
Dil. Factor: 20.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

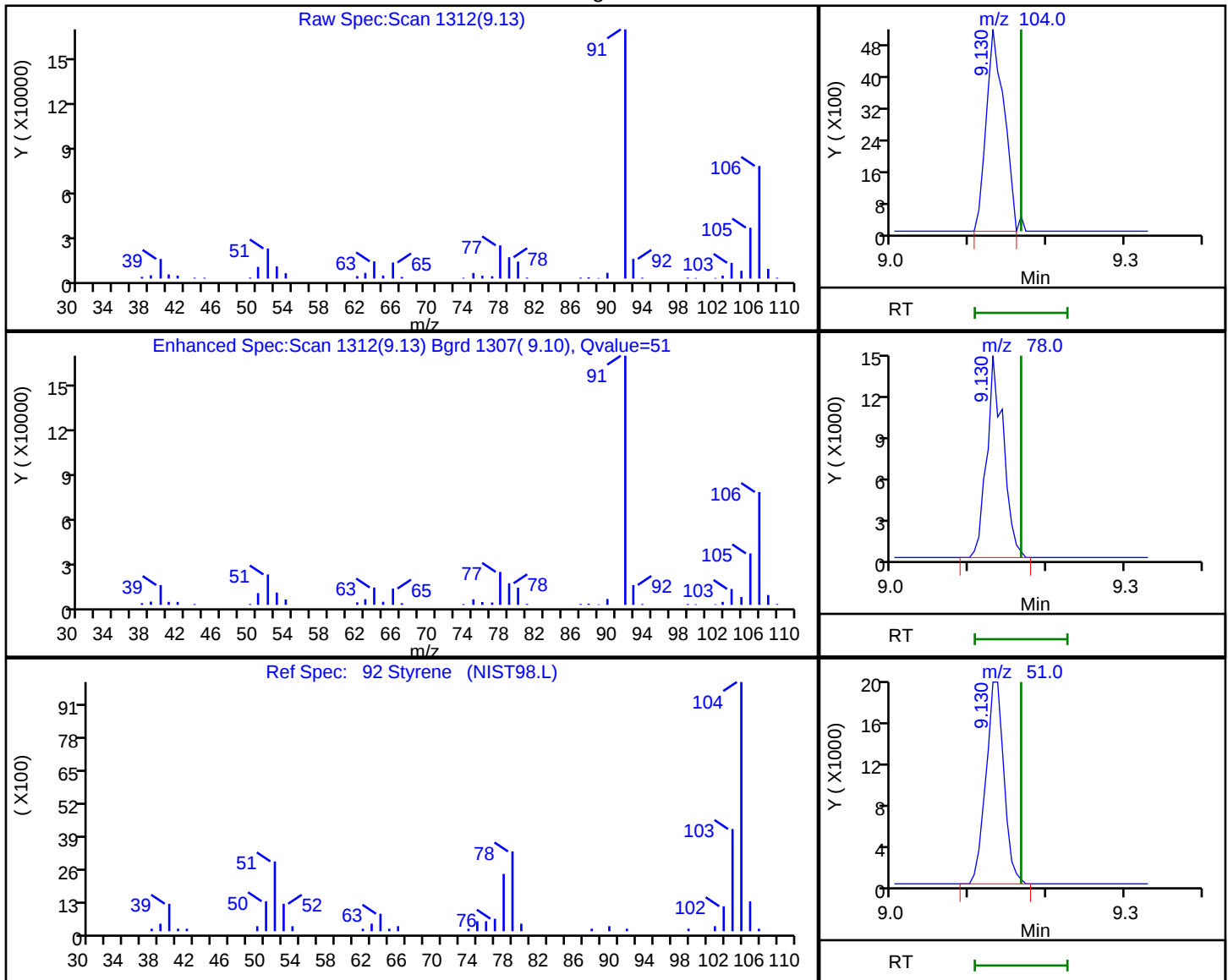
91 o-Xylene, CAS: 95-47-6

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4826.D
Injection Date: 11-May-2019 14:45:30 Instrument ID: HP5973S
Lims ID: 480-152909-A-2 Lab Sample ID: 480-152909-2
Client ID: IW-5-050219
Operator ID: AEM ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

92 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
9.13	104.00	8267	0.401528
9.13	78.00	21183	
9.13	51.00	32414	

Reviewer: moffata, 12-May-2019 08:50:03

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.: 480-152909-1

SDG No.: _____

Client Sample ID: VRI-2-050219 Lab Sample ID: 480-152909-3

Matrix: Water Lab File ID: S4827.D

Analysis Method: 8260C Date Collected: 05/02/2019 11:17

Sample wt/vol: 5 (mL) Date Analyzed: 05/11/2019 15:08

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.: 472381 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: VRI-2-050219 Lab Sample ID: 480-152909-3
 Matrix: Water Lab File ID: S4827.D
 Analysis Method: 8260C Date Collected: 05/02/2019 11:17
 Sample wt/vol: 5 (mL) Date Analyzed: 05/11/2019 15:08
 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.: 472381 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	87		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4827.D
 Lims ID: 480-152909-A-3
 Client ID: VRI-2-050219
 Sample Type: Client
 Inject. Date: 11-May-2019 15:08:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-152909-A-3
 Misc. Info.: 480-0081008-013
 Operator ID: AEM Instrument ID: HP5973S
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-May-2019 08:50:19 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0327

First Level Reviewer: moffata

Date: 12-May-2019 08:50:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	122319	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.460	0.006	84	246527	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	95	218367	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.889	4.883	0.006	57	159597	23.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.193	0.000	98	102607	24.8	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.981	0.000	92	605786	24.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.719	9.727	-0.001	90	163980	21.7	
10 Dichlorodifluoromethane	85		1.270				ND	
12 Chloromethane	50		1.446				ND	
13 Vinyl chloride	62		1.549				ND	
14 Bromomethane	94		1.841				ND	
15 Chloroethane	64		1.939				ND	
17 Trichlorofluoromethane	101		2.170				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.669				ND	
22 1,1-Dichloroethene	96		2.675				ND	
23 Acetone	43		2.797				ND	
26 Carbon disulfide	76		2.876				ND	
27 Methyl acetate	43		3.101				ND	
30 Methylene Chloride	84		3.198				ND	
32 Methyl tert-butyl ether	73		3.411				ND	
34 trans-1,2-Dichloroethene	96		3.429				ND	
39 1,1-Dichloroethane	63		3.849				ND	
45 cis-1,2-Dichloroethene	96		4.409				ND	
43 2-Butanone (MEK)	43		4.451				ND	
50 Chloroform	83		4.725				ND	
51 1,1,1-Trichloroethane	97		4.835				ND	
52 Cyclohexane	56		4.841				ND	
55 Carbon tetrachloride	117		4.975				ND	
57 Benzene	78		5.194				ND	
58 1,2-Dichloroethane	62		5.267				ND	
62 Trichloroethene	95		5.802				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.917				ND	
65 1,2-Dichloropropane	63		6.051				ND	
68 Dichlorobromomethane	83		6.343				ND	
72 cis-1,3-Dichloropropene	75		6.757				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.903				ND	
74 Toluene	92		7.043				ND	
77 trans-1,3-Dichloropropene	75		7.329				ND	
79 1,1,2-Trichloroethane	83		7.517				ND	
81 Tetrachloroethene	166		7.572				ND	
80 2-Hexanone	43		7.749				ND	
83 Chlorodibromomethane	129		7.919				ND	
84 Ethylene Dibromide	107		8.022				ND	
87 Chlorobenzene	112		8.497				ND	
88 Ethylbenzene	91		8.582				ND	
90 m-Xylene & p-Xylene	106		8.704				ND	
91 o-Xylene	106		9.136				ND	
92 Styrene	104		9.166				ND	
95 Bromoform	173		9.416				ND	
94 Isopropylbenzene	105		9.519				ND	
97 1,1,2,2-Tetrachloroethane	83		9.927				ND	
99 N-Propylbenzene	91		9.945				ND	
102 1,3,5-Trimethylbenzene	105		10.121				ND	
107 1,2,4-Trimethylbenzene	105		10.492				ND	
111 1,3-Dichlorobenzene	146		10.784				ND	
113 1,4-Dichlorobenzene	146		10.870				ND	
116 1,2-Dichlorobenzene	146		11.222				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.952				ND	
119 1,2,4-Trichlorobenzene	180		12.622				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00318

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00315

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4827.D

Injection Date: 11-May-2019 15:08:30

Instrument ID: HP5973S

Operator ID: AEM

Lims ID: 480-152909-A-3

Lab Sample ID: 480-152909-3

Worklist Smp#: 13

Client ID: VRI-2-050219

Purge Vol: 5.000 mL

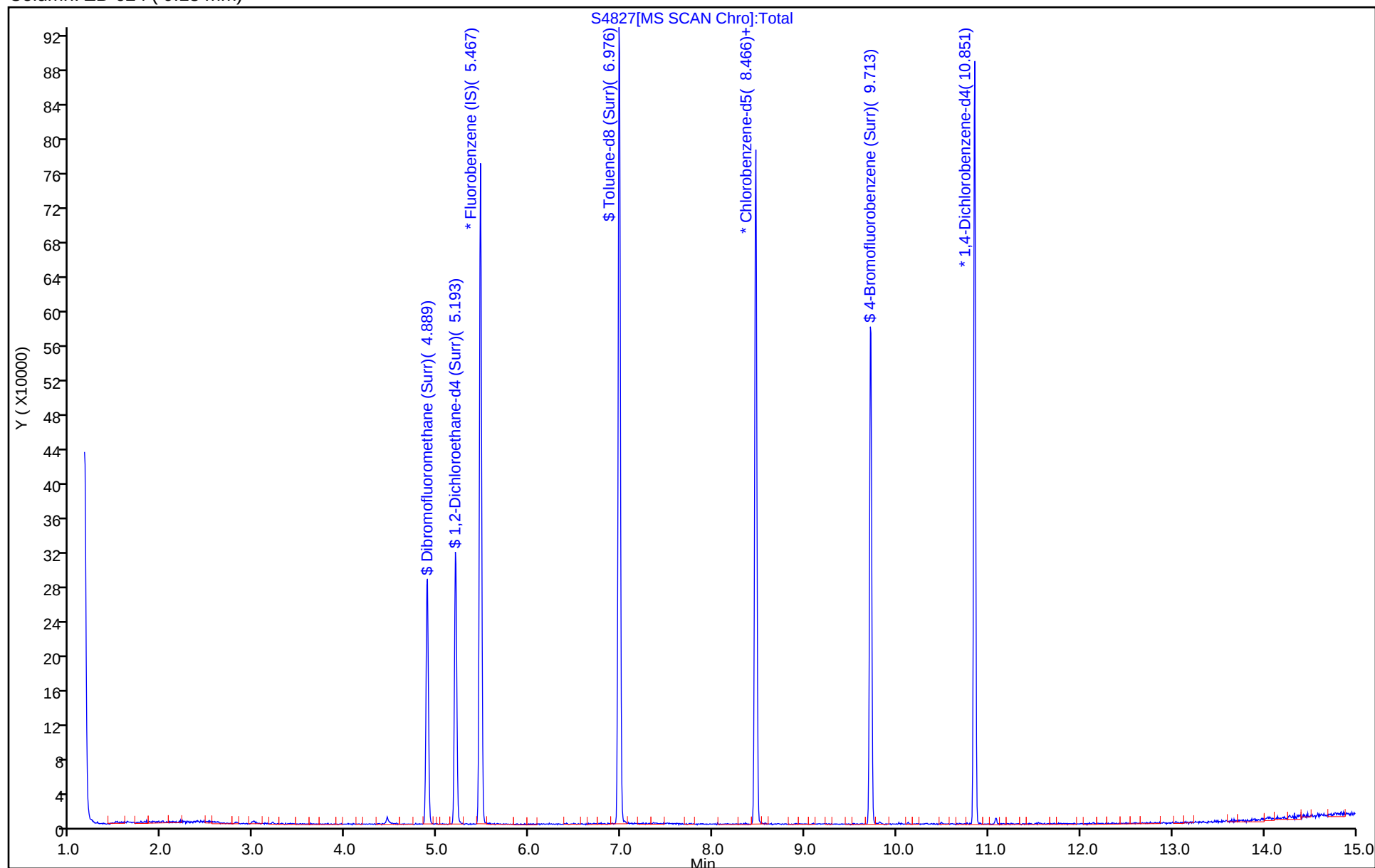
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: S-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.: 480-152909-1

SDG No.: _____

Client Sample ID: IW-6-050219 Lab Sample ID: 480-152909-4

Matrix: Water Lab File ID: S4828.D

Analysis Method: 8260C Date Collected: 05/02/2019 09:20

Sample wt/vol: 5 (mL) Date Analyzed: 05/11/2019 15:31

Soil Aliquot Vol: _____ Dilution Factor: 40

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

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

Analysis Batch No.: 472381 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		40	33
79-34-5	1,1,2,2-Tetrachloroethane	ND		40	8.4
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12
79-00-5	1,1,2-Trichloroethane	ND		40	9.2
75-34-3	1,1-Dichloroethane	ND		40	15
75-35-4	1,1-Dichloroethene	ND		40	12
120-82-1	1,2,4-Trichlorobenzene	ND		40	16
95-63-6	1,2,4-Trimethylbenzene	7700	E	40	30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		40	16
106-93-4	1,2-Dibromoethane	ND		40	29
95-50-1	1,2-Dichlorobenzene	ND		40	32
107-06-2	1,2-Dichloroethane	ND		40	8.4
78-87-5	1,2-Dichloropropane	ND		40	29
108-67-8	1,3,5-Trimethylbenzene	4000		40	31
541-73-1	1,3-Dichlorobenzene	ND		40	31
106-46-7	1,4-Dichlorobenzene	ND		40	34
78-93-3	2-Butanone (MEK)	ND		400	53
591-78-6	2-Hexanone	ND		200	50
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		200	84
67-64-1	Acetone	ND		400	120
71-43-2	Benzene	ND		40	16
75-27-4	Bromodichloromethane	ND		40	16
75-25-2	Bromoform	ND		40	10
74-83-9	Bromomethane	ND		40	28
75-15-0	Carbon disulfide	ND		40	7.6
56-23-5	Carbon tetrachloride	ND		40	11
108-90-7	Chlorobenzene	ND		40	30
75-00-3	Chloroethane	ND		40	13
67-66-3	Chloroform	ND		40	14
74-87-3	Chloromethane	ND		40	14
156-59-2	cis-1,2-Dichloroethene	ND		40	32
10061-01-5	cis-1,3-Dichloropropene	ND		40	14
110-82-7	Cyclohexane	ND		40	7.2
124-48-1	Dibromochloromethane	ND		40	13
75-71-8	Dichlorodifluoromethane	ND		40	27

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: IW-6-050219 Lab Sample ID: 480-152909-4
 Matrix: Water Lab File ID: S4828.D
 Analysis Method: 8260C Date Collected: 05/02/2019 09:20
 Sample wt/vol: 5 (mL) Date Analyzed: 05/11/2019 15:31
 Soil Aliquot Vol: _____ Dilution Factor: 40
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472381 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	37	J	40	30
98-82-8	Isopropylbenzene	510		40	32
79-20-9	Methyl acetate	ND		100	52
1634-04-4	Methyl tert-butyl ether	ND		40	6.4
108-87-2	Methylcyclohexane	ND		40	6.4
75-09-2	Methylene Chloride	ND		40	18
103-65-1	N-Propylbenzene	540		40	28
100-42-5	Styrene	ND		40	29
127-18-4	Tetrachloroethene	ND		40	14
108-88-3	Toluene	ND		40	20
156-60-5	trans-1,2-Dichloroethene	ND		40	36
10061-02-6	trans-1,3-Dichloropropene	ND		40	15
79-01-6	Trichloroethene	ND		40	18
75-69-4	Trichlorofluoromethane	ND		40	35
75-01-4	Vinyl chloride	ND		40	36
1330-20-7	Xylenes, Total	6900	E	80	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4828.D
 Lims ID: 480-152909-A-4
 Client ID: IW-6-050219
 Sample Type: Client
 Inject. Date: 11-May-2019 15:31:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 40.0000
 Sample Info: 480-152909-A-4
 Misc. Info.: 480-0081008-014
 Operator ID: AEM Instrument ID: HP5973S
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-May-2019 08:51:49 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0327

First Level Reviewer: moffata

Date: 12-May-2019 08:51:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	118498	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.460	0.006	84	255499	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	95	244703	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	57	154205	23.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.193	0.000	92	101106	25.3	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.981	0.000	84	603262	23.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.719	9.727	-0.001	89	180228	23.0	
10 Dichlorodifluoromethane	85		1.270				ND	
12 Chloromethane	50		1.446				ND	
13 Vinyl chloride	62		1.549				ND	
14 Bromomethane	94		1.841				ND	
15 Chloroethane	64		1.939				ND	
17 Trichlorofluoromethane	101		2.170				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.669				ND	
22 1,1-Dichloroethene	96		2.675				ND	
23 Acetone	43		2.797				ND	
26 Carbon disulfide	76		2.876				ND	
27 Methyl acetate	43		3.101				ND	
30 Methylene Chloride	84		3.198				ND	
32 Methyl tert-butyl ether	73		3.411				ND	
34 trans-1,2-Dichloroethene	96		3.429				ND	
39 1,1-Dichloroethane	63		3.849				ND	
45 cis-1,2-Dichloroethene	96		4.409				ND	
43 2-Butanone (MEK)	43		4.451				ND	
50 Chloroform	83	4.731	4.725	0.006	11	1943	0.1518	
51 1,1,1-Trichloroethane	97		4.835				ND	
52 Cyclohexane	56		4.841				ND	
55 Carbon tetrachloride	117		4.975				ND	
57 Benzene	78		5.194				ND	
58 1,2-Dichloroethane	62		5.267				ND	
62 Trichloroethene	95		5.802				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.917				ND	
65 1,2-Dichloropropane	63		6.051				ND	
68 Dichlorobromomethane	83		6.343				ND	
72 cis-1,3-Dichloropropene	75		6.757				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.903				ND	
74 Toluene	92		7.043				ND	
77 trans-1,3-Dichloropropene	75		7.329				ND	
79 1,1,2-Trichloroethane	83		7.517				ND	
81 Tetrachloroethene	166		7.572				ND	
80 2-Hexanone	43		7.749				ND	
83 Chlorodibromomethane	129		7.919				ND	
84 Ethylene Dibromide	107		8.022				ND	
87 Chlorobenzene	112		8.497				ND	
88 Ethylbenzene	91	8.582	8.588	0.000	86	30925	0.9213	
90 m-Xylene & p-Xylene	106	8.704	8.710	0.000	99	264249	19.6	
91 o-Xylene	106	9.135	9.142	-0.001	97	2072369	152.1	E
92 Styrene	104		9.166				ND	U
95 Bromoform	173		9.416				ND	
94 Isopropylbenzene	105	9.519	9.519	0.000	95	431730	12.8	
97 1,1,2,2-Tetrachloroethane	83		9.927				ND	
99 N-Propylbenzene	91	9.945	9.945	0.000	98	539234	13.5	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	93	2966282	99.5	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	97	5785695	192.7	E
111 1,3-Dichlorobenzene	146		10.784				ND	
113 1,4-Dichlorobenzene	146		10.870				ND	
116 1,2-Dichlorobenzene	146		11.222				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.952				ND	
119 1,2,4-Trichlorobenzene	180		12.622				ND	
S 124 Xylenes, Total	1				0		171.7	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00318

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00315

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4828.D

Injection Date: 11-May-2019 15:31:30

Instrument ID: HP5973S

Operator ID: AEM

Lims ID: 480-152909-A-4

Lab Sample ID: 480-152909-4

Worklist Smp#: 14

Client ID: IW-6-050219

Purge Vol: 5.000 mL

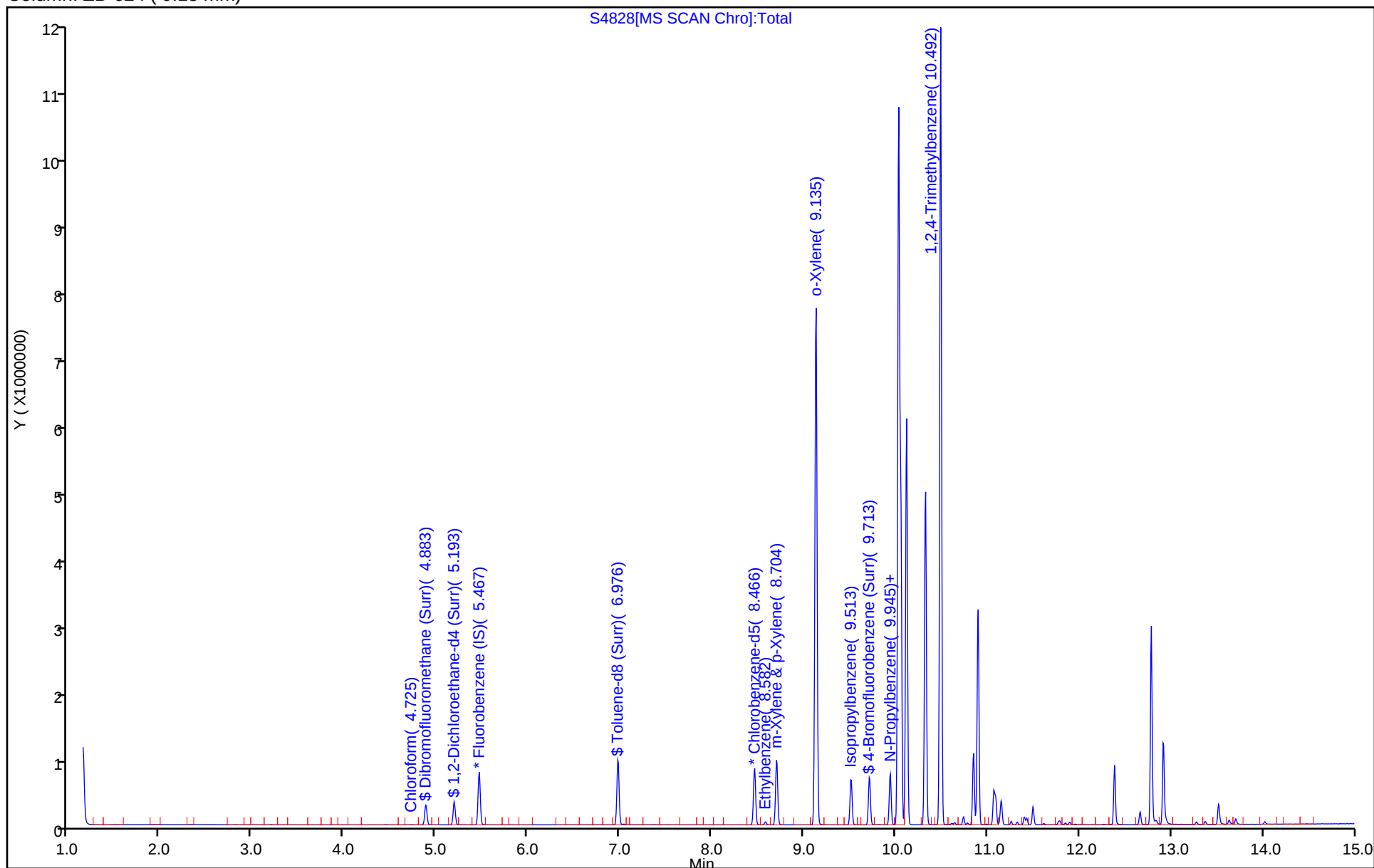
Dil. Factor: 40.0000

ALS Bottle#: 13

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4828.D

Injection Date: 11-May-2019 15:31:30

Instrument ID: HP5973S

Lims ID: 480-152909-A-4

Lab Sample ID: 480-152909-4

Client ID: IW-6-050219

Operator ID: AEM

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 5.000 mL

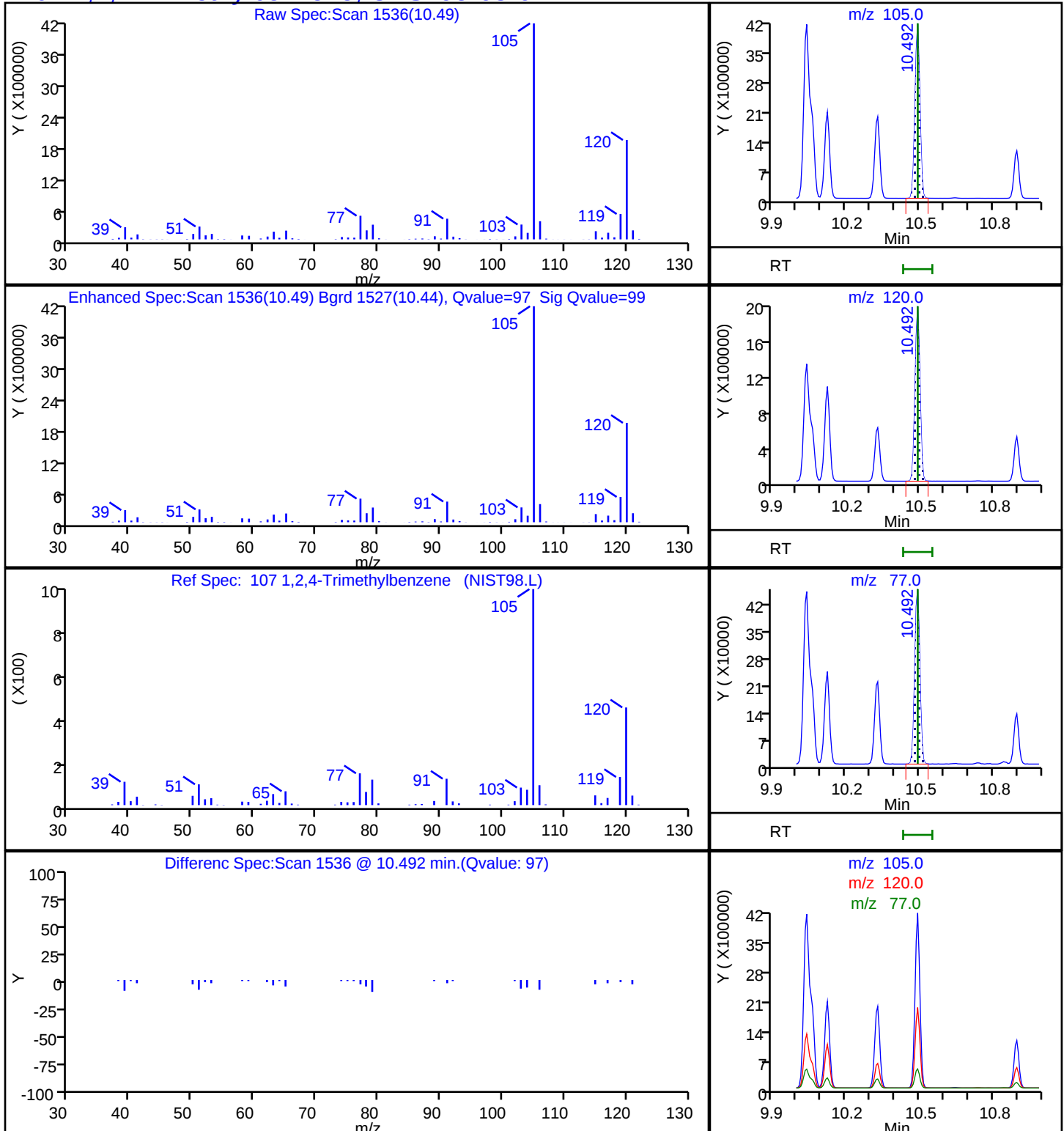
Dil. Factor: 40.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

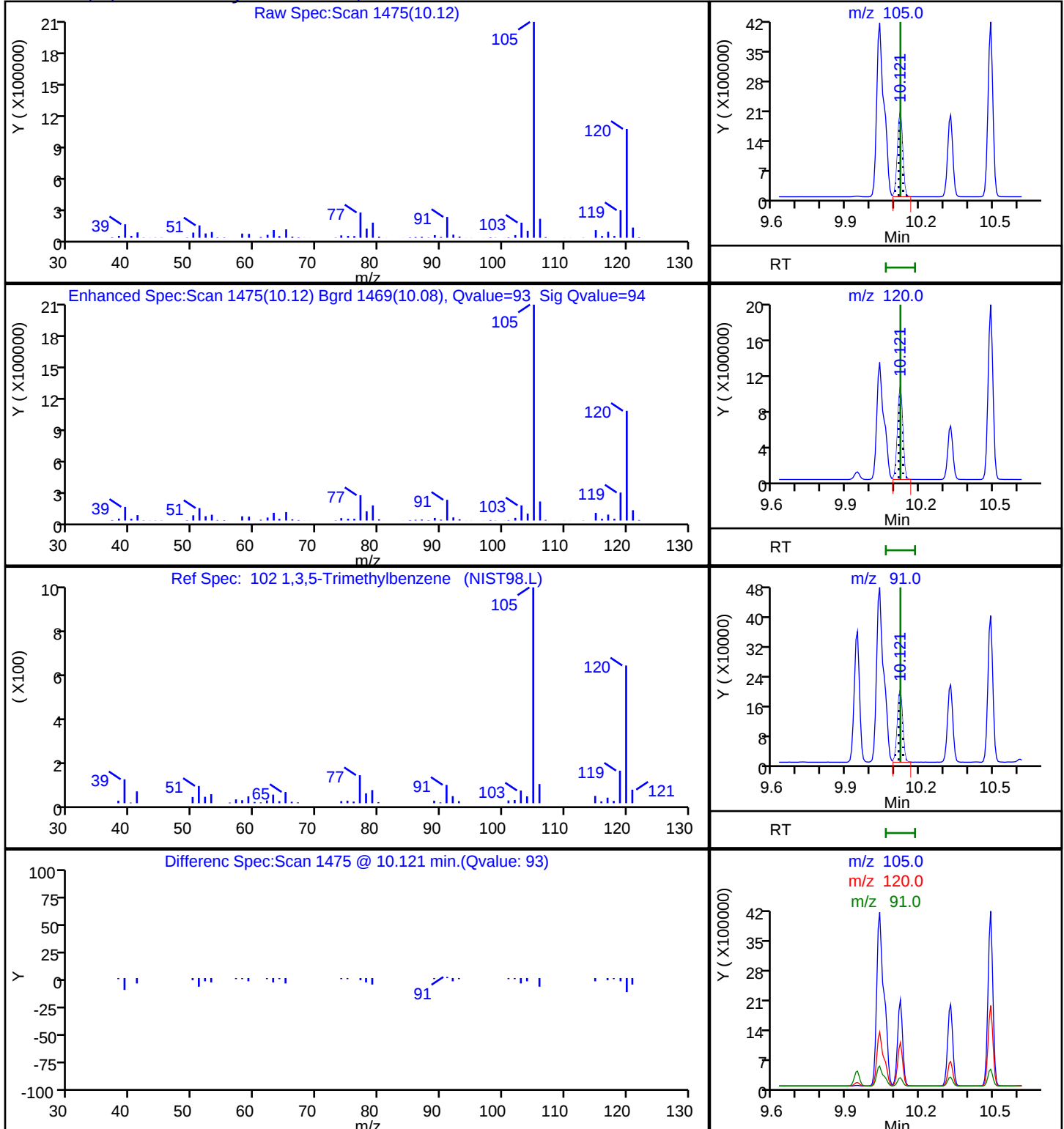
Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4828.D
Injection Date: 11-May-2019 15:31:30 Instrument ID: HP5973S
Lims ID: 480-152909-A-4 Lab Sample ID: 480-152909-4
Client ID: IW-6-050219
Operator ID: AEM ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 40.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4828.D

Injection Date: 11-May-2019 15:31:30

Instrument ID: HP5973S

Lims ID: 480-152909-A-4

Lab Sample ID: 480-152909-4

Client ID: IW-6-050219

Operator ID: AEM

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 5.000 mL

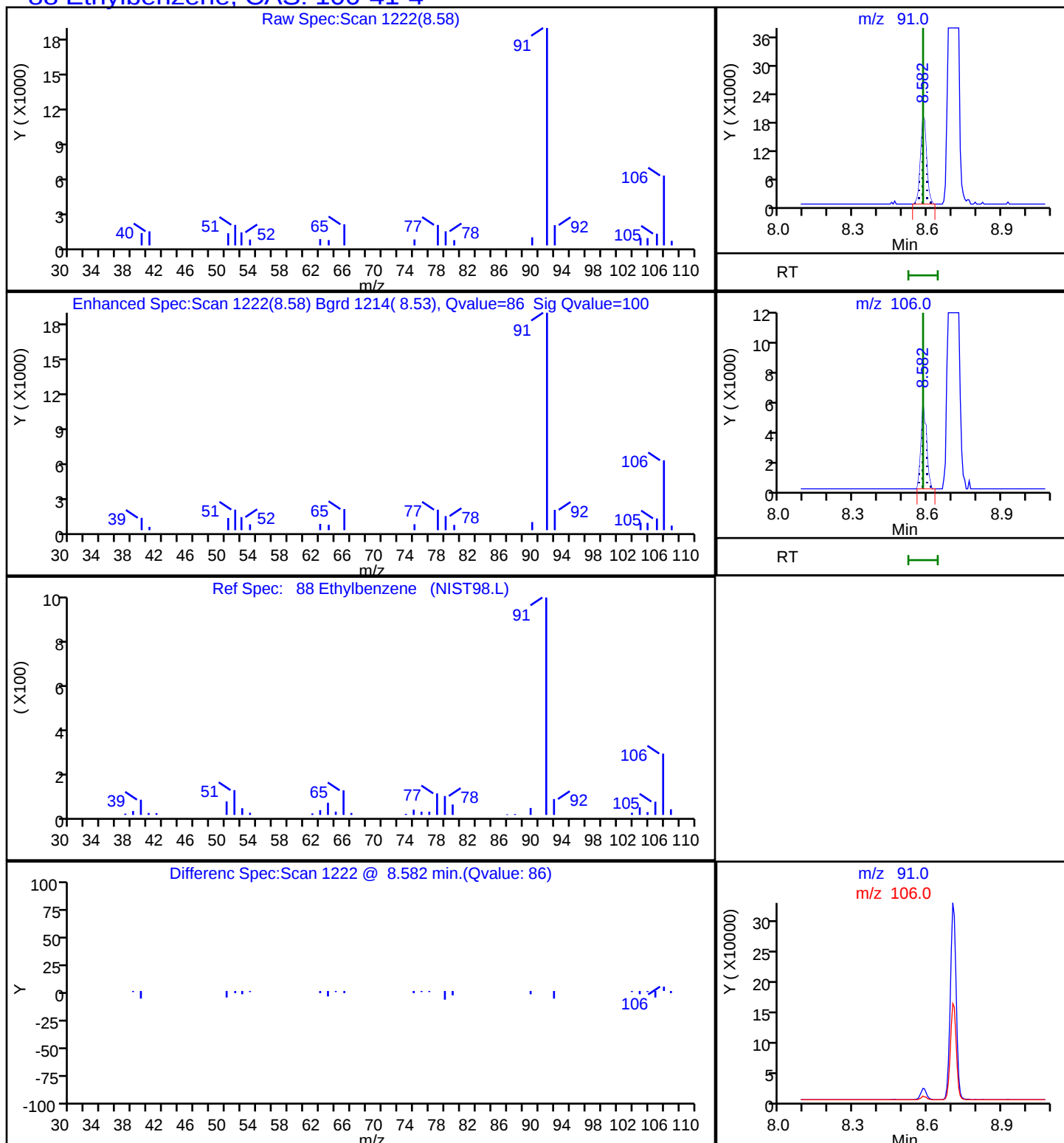
Dil. Factor: 40.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

88 Ethylbenzene, CAS: 100-41-4

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4828.D

Injection Date: 11-May-2019 15:31:30

Instrument ID: HP5973S

Lims ID: 480-152909-A-4

Lab Sample ID: 480-152909-4

Client ID: IW-6-050219

Operator ID: AEM

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 5.000 mL

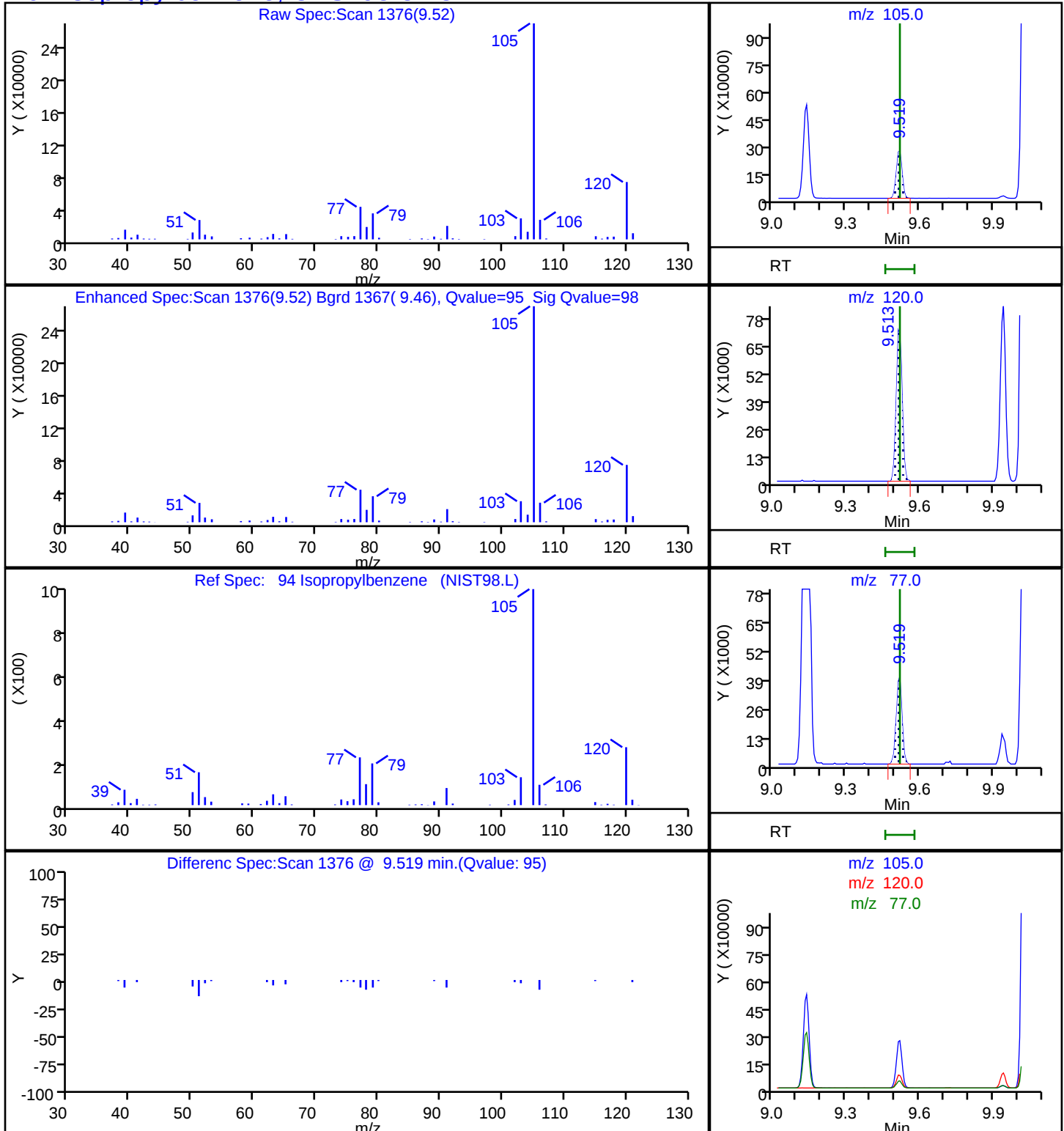
Dil. Factor: 40.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

94 Isopropylbenzene, CAS: 98-82-8

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4828.D

Injection Date: 11-May-2019 15:31:30

Instrument ID: HP5973S

Lims ID: 480-152909-A-4

Lab Sample ID: 480-152909-4

Client ID: IW-6-050219

Operator ID: AEM

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 5.000 mL

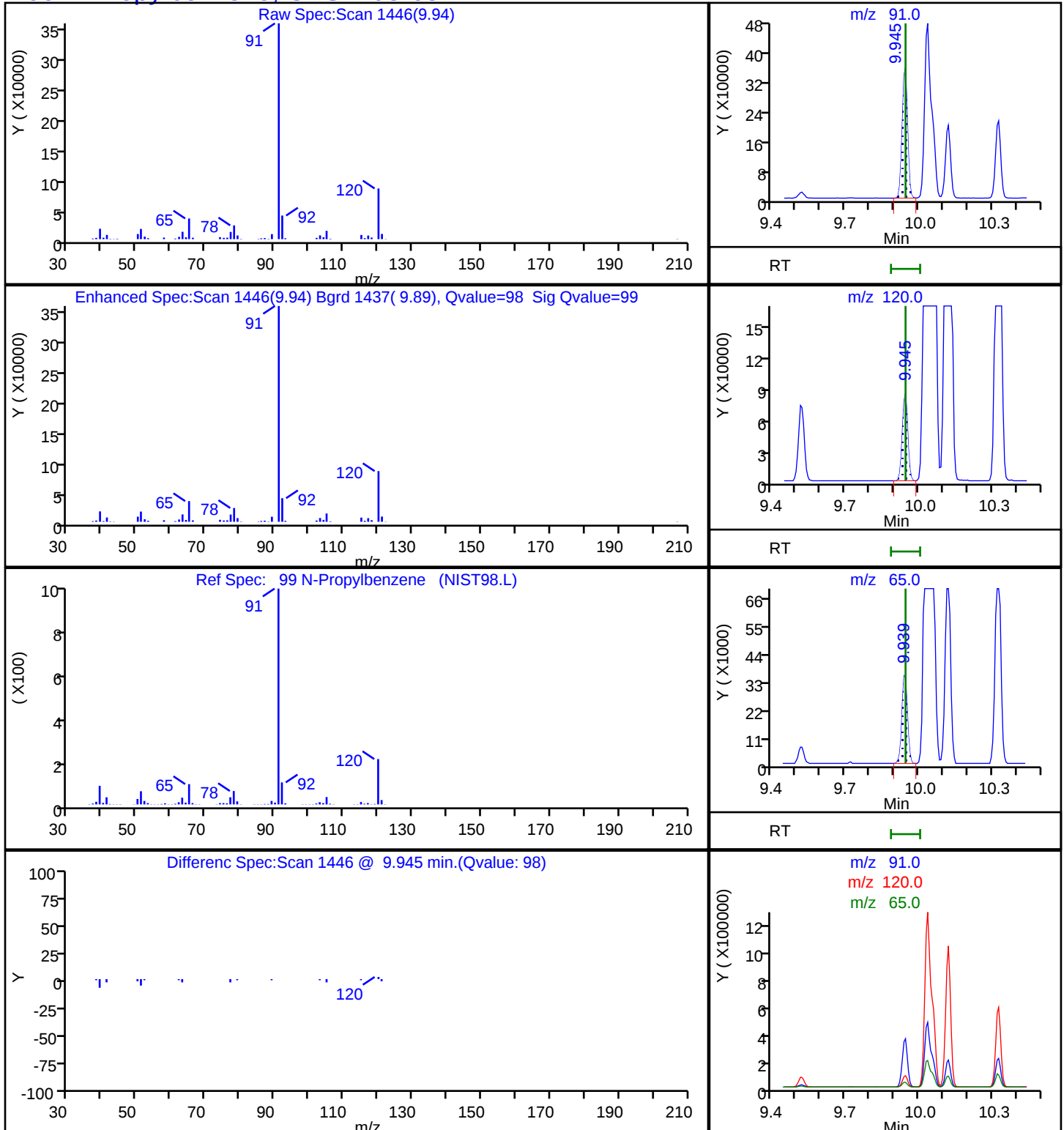
Dil. Factor: 40.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4828.D

Injection Date: 11-May-2019 15:31:30

Instrument ID: HP5973S

Lims ID: 480-152909-A-4

Lab Sample ID: 480-152909-4

Client ID: IW-6-050219

Operator ID: AEM

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 5.000 mL

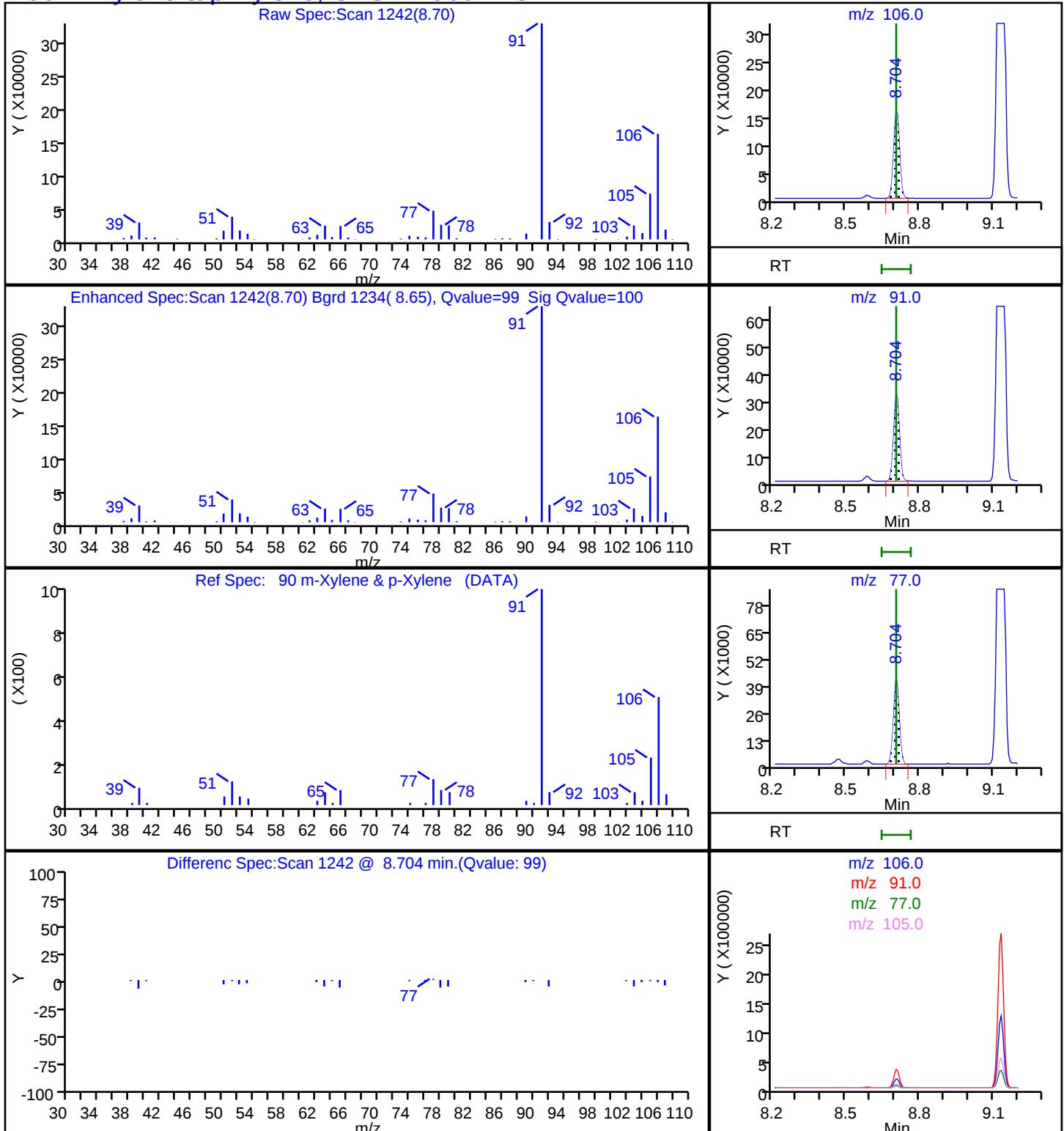
Dil. Factor: 40.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4828.D

Injection Date: 11-May-2019 15:31:30

Instrument ID: HP5973S

Lims ID: 480-152909-A-4

Lab Sample ID: 480-152909-4

Client ID: IW-6-050219

Operator ID: AEM

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 5.000 mL

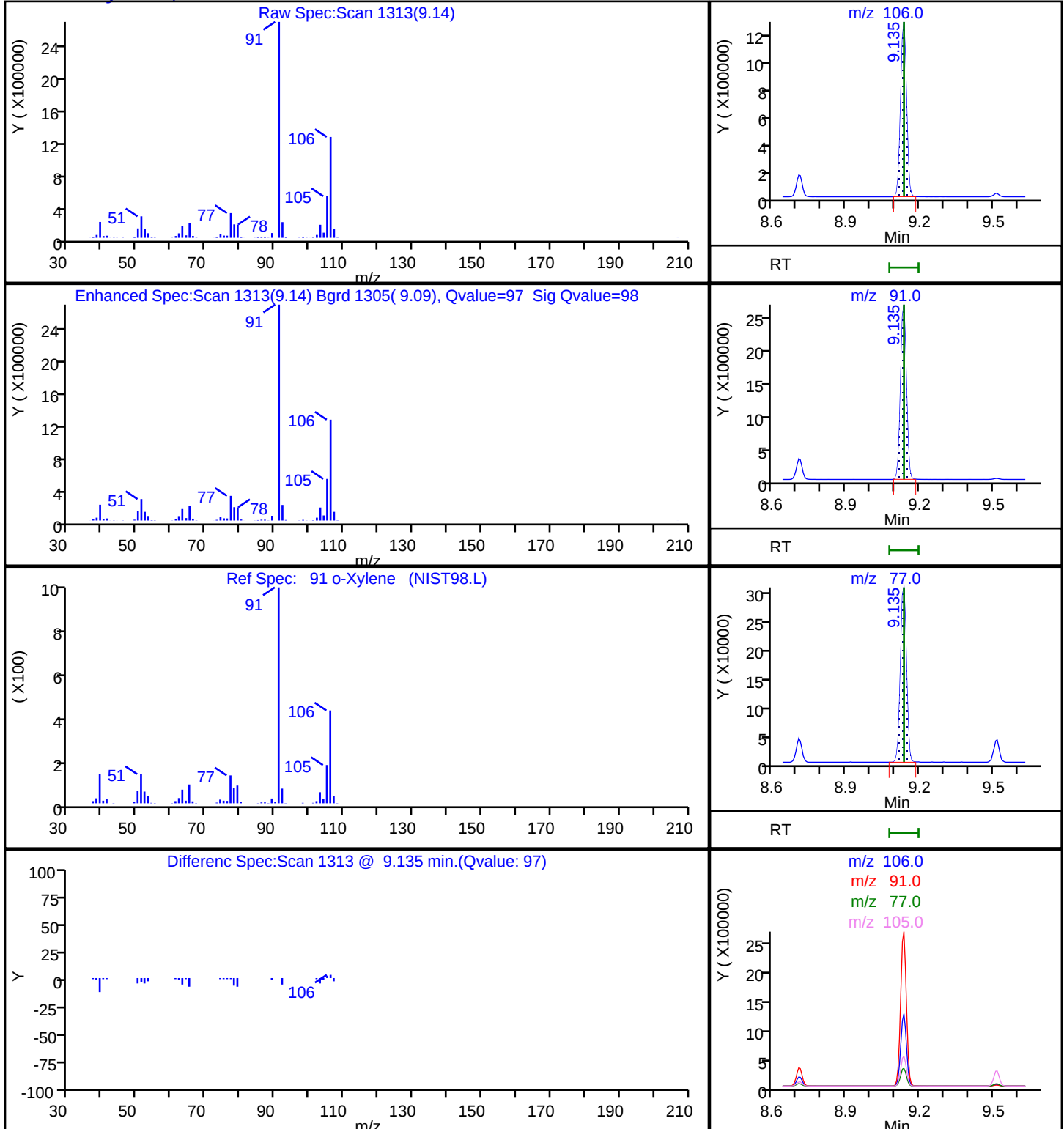
Dil. Factor: 40.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4828.D

Injection Date: 11-May-2019 15:31:30

Instrument ID: HP5973S

Lims ID: 480-152909-A-4

Lab Sample ID: 480-152909-4

Client ID: IW-6-050219

Operator ID: AEM

ALS Bottle#: 13 Worklist Smp#: 14

Purge Vol: 5.000 mL

Dil. Factor: 40.0000

Method: S-8260

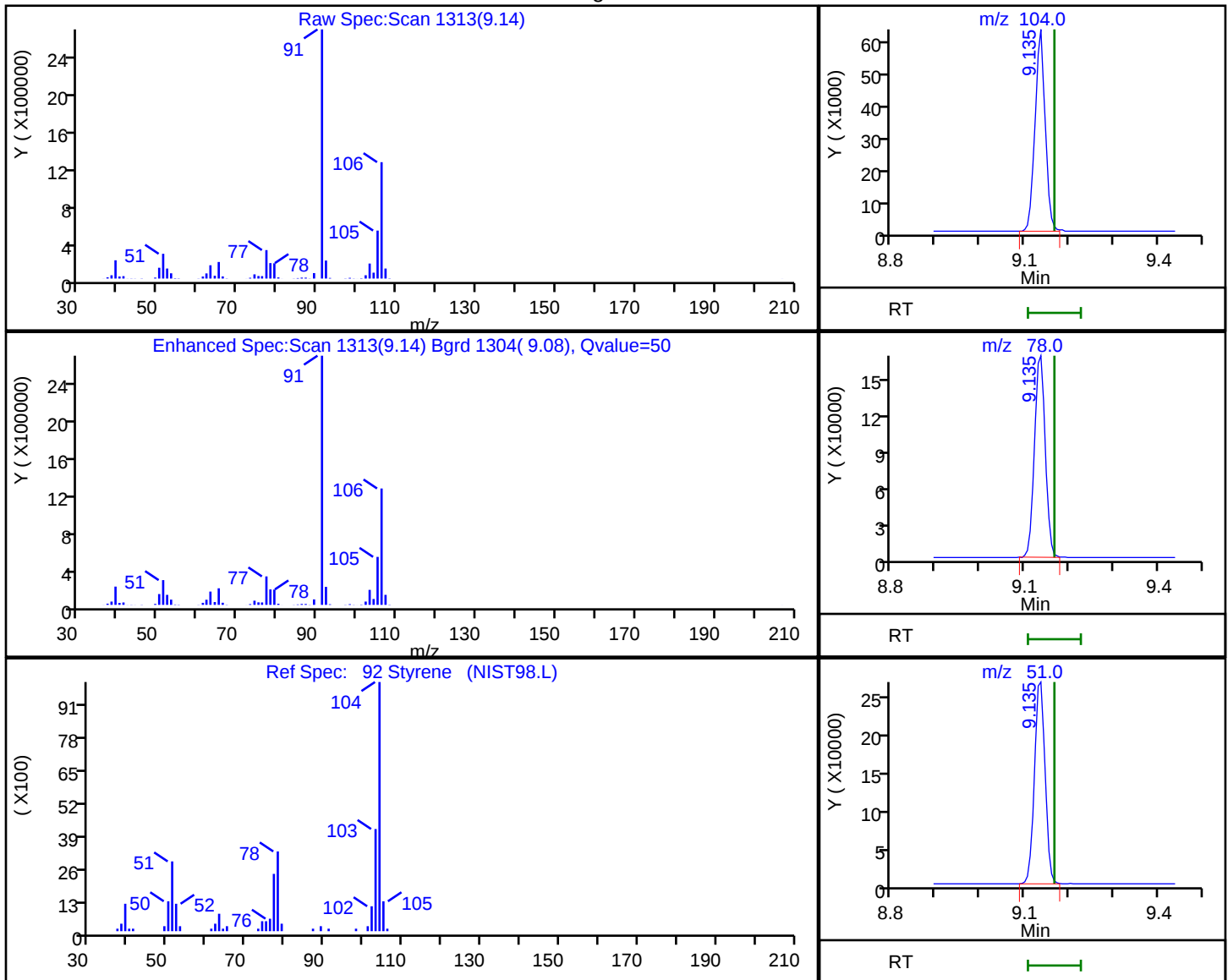
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

92 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
9.14	104.00	101252	4.781143
9.14	78.00	284045	
9.14	51.00	450377	

Reviewer: moffata, 12-May-2019 08:51:40

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-152909-1</u>
SDG No.: _____	
Client Sample ID: <u>IW-6-050219 DL</u>	Lab Sample ID: <u>480-152909-4 DL</u>
Matrix: <u>Water</u>	Lab File ID: <u>S4938.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>05/02/2019 09:20</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>05/13/2019 11:35</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>200</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>472454</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		200	160
79-34-5	1,1,2,2-Tetrachloroethane	ND		200	42
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62
79-00-5	1,1,2-Trichloroethane	ND		200	46
75-34-3	1,1-Dichloroethane	ND		200	76
75-35-4	1,1-Dichloroethene	ND		200	58
120-82-1	1,2,4-Trichlorobenzene	ND		200	82
95-63-6	1,2,4-Trimethylbenzene	7200		200	150
96-12-8	1,2-Dibromo-3-Chloropropane	ND		200	78
106-93-4	1,2-Dibromoethane	ND		200	150
95-50-1	1,2-Dichlorobenzene	ND		200	160
107-06-2	1,2-Dichloroethane	ND		200	42
78-87-5	1,2-Dichloropropane	ND		200	140
108-67-8	1,3,5-Trimethylbenzene	3800		200	150
541-73-1	1,3-Dichlorobenzene	ND		200	160
106-46-7	1,4-Dichlorobenzene	ND		200	170
78-93-3	2-Butanone (MEK)	ND		2000	260
591-78-6	2-Hexanone	ND		1000	250
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1000	420
67-64-1	Acetone	ND		2000	600
71-43-2	Benzene	ND		200	82
75-27-4	Bromodichloromethane	ND		200	78
75-25-2	Bromoform	ND		200	52
74-83-9	Bromomethane	ND		200	140
75-15-0	Carbon disulfide	ND		200	38
56-23-5	Carbon tetrachloride	ND		200	54
108-90-7	Chlorobenzene	ND		200	150
75-00-3	Chloroethane	ND		200	64
67-66-3	Chloroform	ND		200	68
74-87-3	Chloromethane	ND		200	70
156-59-2	cis-1,2-Dichloroethene	ND		200	160
10061-01-5	cis-1,3-Dichloropropene	ND		200	72
110-82-7	Cyclohexane	ND		200	36
124-48-1	Dibromochloromethane	ND		200	64
75-71-8	Dichlorodifluoromethane	ND		200	140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: IW-6-050219 DL Lab Sample ID: 480-152909-4 DL
 Matrix: Water Lab File ID: S4938.D
 Analysis Method: 8260C Date Collected: 05/02/2019 09:20
 Sample wt/vol: 5 (mL) Date Analyzed: 05/13/2019 11:35
 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.: 472454 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		200	150
98-82-8	Isopropylbenzene	470		200	160
79-20-9	Methyl acetate	ND	*	500	260
1634-04-4	Methyl tert-butyl ether	ND		200	32
108-87-2	Methylcyclohexane	ND		200	32
75-09-2	Methylene Chloride	ND		200	88
103-65-1	N-Propylbenzene	510		200	140
100-42-5	Styrene	ND		200	150
127-18-4	Tetrachloroethene	ND		200	72
108-88-3	Toluene	ND		200	100
156-60-5	trans-1,2-Dichloroethene	ND		200	180
10061-02-6	trans-1,3-Dichloropropene	ND		200	74
79-01-6	Trichloroethene	ND		200	92
75-69-4	Trichlorofluoromethane	ND		200	180
75-01-4	Vinyl chloride	ND		200	180
1330-20-7	Xylenes, Total	6600		400	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
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)	92		75-123
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4938.D
 Lims ID: 480-152909-C-4
 Client ID: IW-6-050219
 Sample Type: Client
 Inject. Date: 13-May-2019 11:35:30 ALS Bottle#: 1 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 200.0000
 Sample Info: 480-152909-C-4
 Misc. Info.: 480-0081028-009
 Operator ID: AM Instrument ID: HP5973S
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 13-May-2019 18:38:51 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: milligana

Date: 13-May-2019 18:40:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	99253	25.0	
* 2 Chlorobenzene-d5	82	8.467	8.466	0.001	84	193859	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	95	198187	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	55	124852	23.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.200	5.193	0.007	90	83036	24.8	
\$ 5 Toluene-d8 (Surr)	98	6.982	6.976	0.006	92	475267	24.5	
\$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	90	141909	23.9	
10 Dichlorodifluoromethane	85		1.276				ND	
12 Chloromethane	50		1.452				ND	
13 Vinyl chloride	62		1.549				ND	
14 Bromomethane	94		1.841				ND	
15 Chloroethane	64		1.951				ND	
17 Trichlorofluoromethane	101		2.170				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.675				ND	
22 1,1-Dichloroethene	96		2.675				ND	
23 Acetone	43		2.803				ND	
26 Carbon disulfide	76		2.888				ND	
27 Methyl acetate	43		3.101				ND	
30 Methylene Chloride	84		3.204				ND	
32 Methyl tert-butyl ether	73		3.411				ND	
34 trans-1,2-Dichloroethene	96		3.429				ND	
39 1,1-Dichloroethane	63		3.855				ND	
45 cis-1,2-Dichloroethene	96		4.415				ND	
43 2-Butanone (MEK)	43		4.451				ND	
50 Chloroform	83		4.731				ND	
51 1,1,1-Trichloroethane	97		4.835				ND	
52 Cyclohexane	56		4.841				ND	
55 Carbon tetrachloride	117		4.974				ND	
57 Benzene	78		5.193				ND	
58 1,2-Dichloroethane	62		5.266				ND	
62 Trichloroethene	95		5.808				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.924				ND	
65 1,2-Dichloropropane	63		6.051				ND	
68 Dichlorobromomethane	83		6.343				ND	
72 cis-1,3-Dichloropropene	75		6.757				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.903				ND	
74 Toluene	92		7.043				ND	
77 trans-1,3-Dichloropropene	75		7.329				ND	
79 1,1,2-Trichloroethane	83		7.517				ND	
81 Tetrachloroethene	166		7.572				ND	
80 2-Hexanone	43		7.749				ND	
83 Chlorodibromomethane	129		7.919				ND	
84 Ethylene Dibromide	107		8.022				ND	
87 Chlorobenzene	112		8.497				ND	
88 Ethylbenzene	91	8.582	8.582	0.000	1	4811	0.1889	
90 m-Xylene & p-Xylene	106	8.710	8.704	0.006	95	38738	3.79	
91 o-Xylene	106	9.136	9.136	0.000	97	298650	28.9	
92 Styrene	104		9.166				ND	U
95 Bromoform	173		9.422				ND	
94 Isopropylbenzene	105	9.519	9.519	0.000	91	64939	2.37	
97 1,1,2,2-Tetrachloroethane	83		9.926				ND	
99 N-Propylbenzene	91	9.945	9.945	0.000	96	82405	2.56	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	96	454482	18.8	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	97	871902	35.9	
111 1,3-Dichlorobenzene	146		10.784				ND	
113 1,4-Dichlorobenzene	146		10.869				ND	
116 1,2-Dichlorobenzene	146		11.222				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.952				ND	
119 1,2,4-Trichlorobenzene	180		12.622				ND	
S 124 Xylenes, Total	1				0		32.7	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00319

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00315

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4938.D

Injection Date: 13-May-2019 11:35:30

Instrument ID: HP5973S

Operator ID: AM

Lims ID: 480-152909-C-4

Lab Sample ID: 480-152909-4

Worklist Smp#: 9

Client ID: IW-6-050219

Purge Vol: 5.000 mL

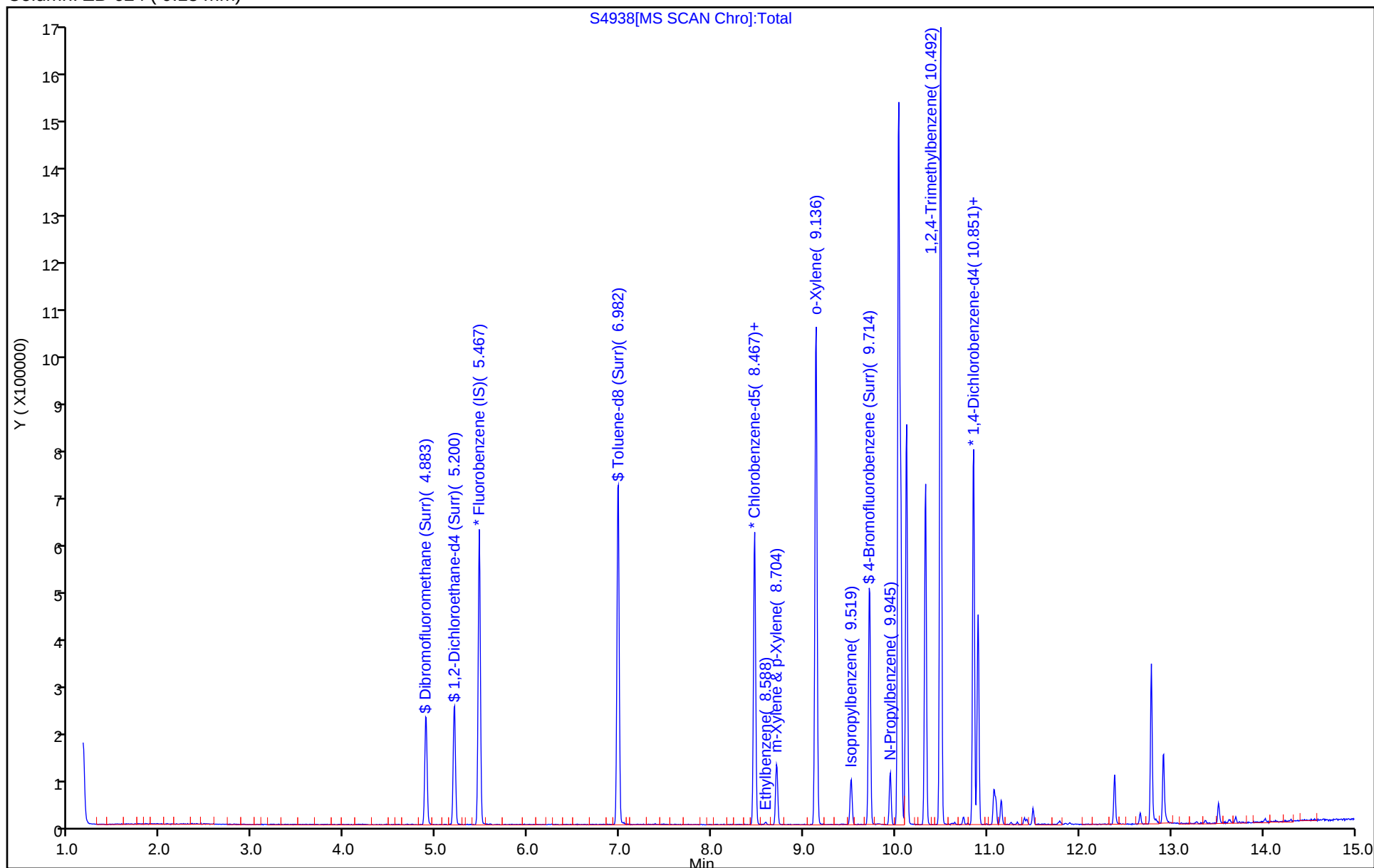
Dil. Factor: 200.0000

ALS Bottle#: 1

Method: S-8260

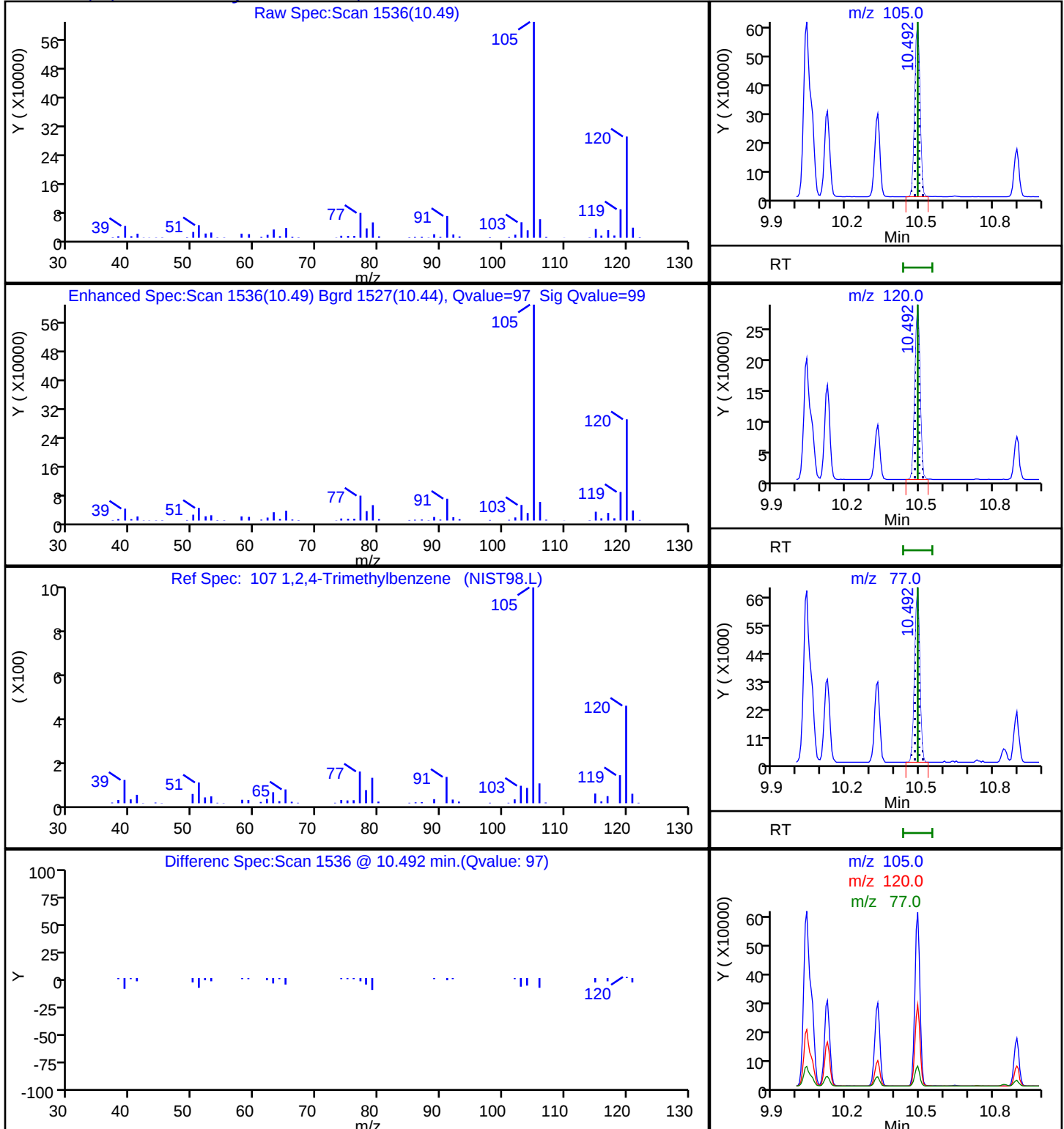
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4938.D
Injection Date: 13-May-2019 11:35:30 Instrument ID: HP5973S
Lims ID: 480-152909-C-4 Lab Sample ID: 480-152909-4
Client ID: IW-6-050219
Operator ID: AM ALS Bottle#: 1 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 200.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4938.D

Injection Date: 13-May-2019 11:35:30

Instrument ID: HP5973S

Lims ID: 480-152909-C-4

Lab Sample ID: 480-152909-4

Client ID: IW-6-050219

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 9

Purge Vol: 5.000 mL

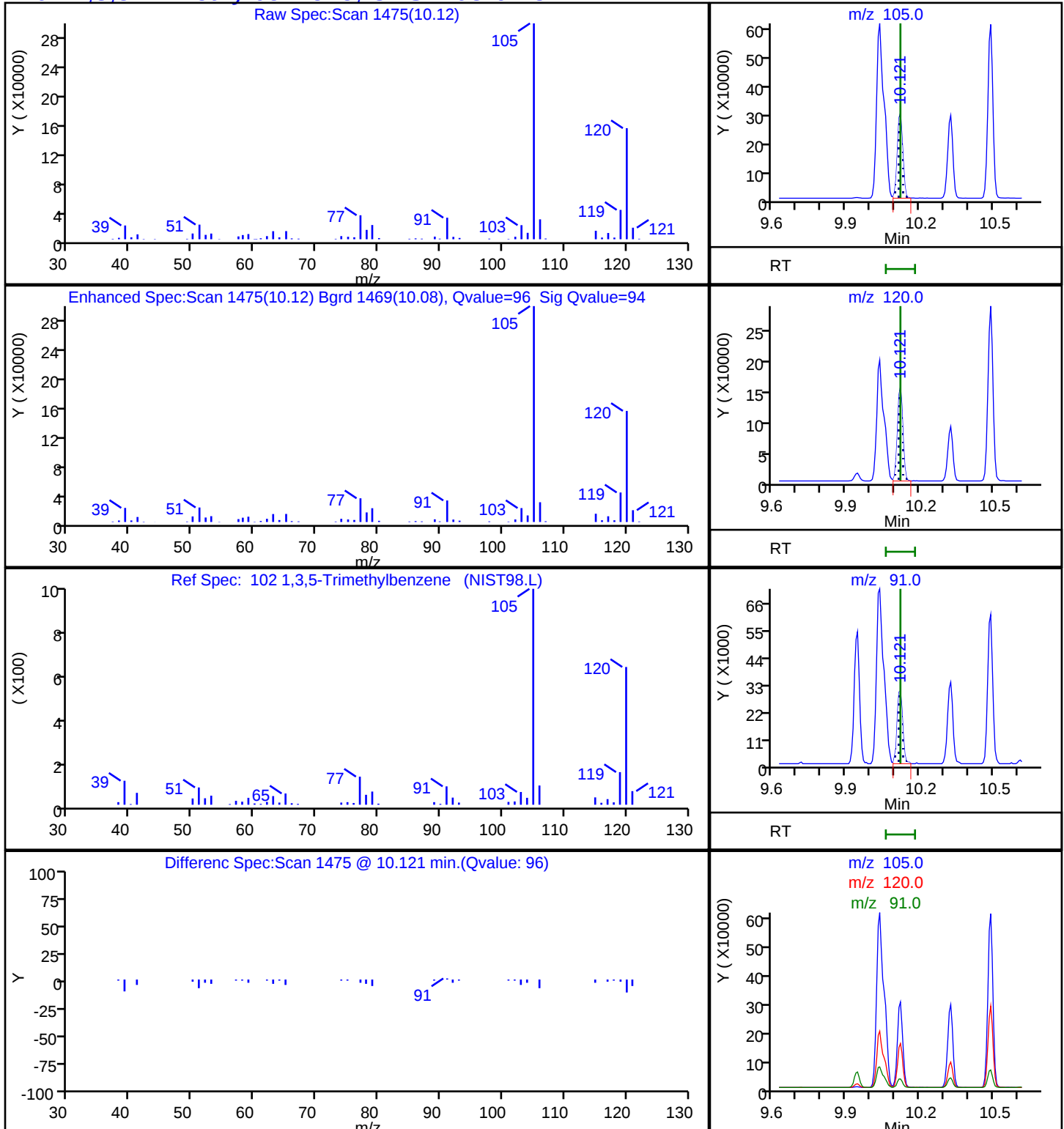
Dil. Factor: 200.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4938.D

Injection Date: 13-May-2019 11:35:30

Instrument ID: HP5973S

Lims ID: 480-152909-C-4

Lab Sample ID: 480-152909-4

Client ID: IW-6-050219

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 9

Purge Vol: 5.000 mL

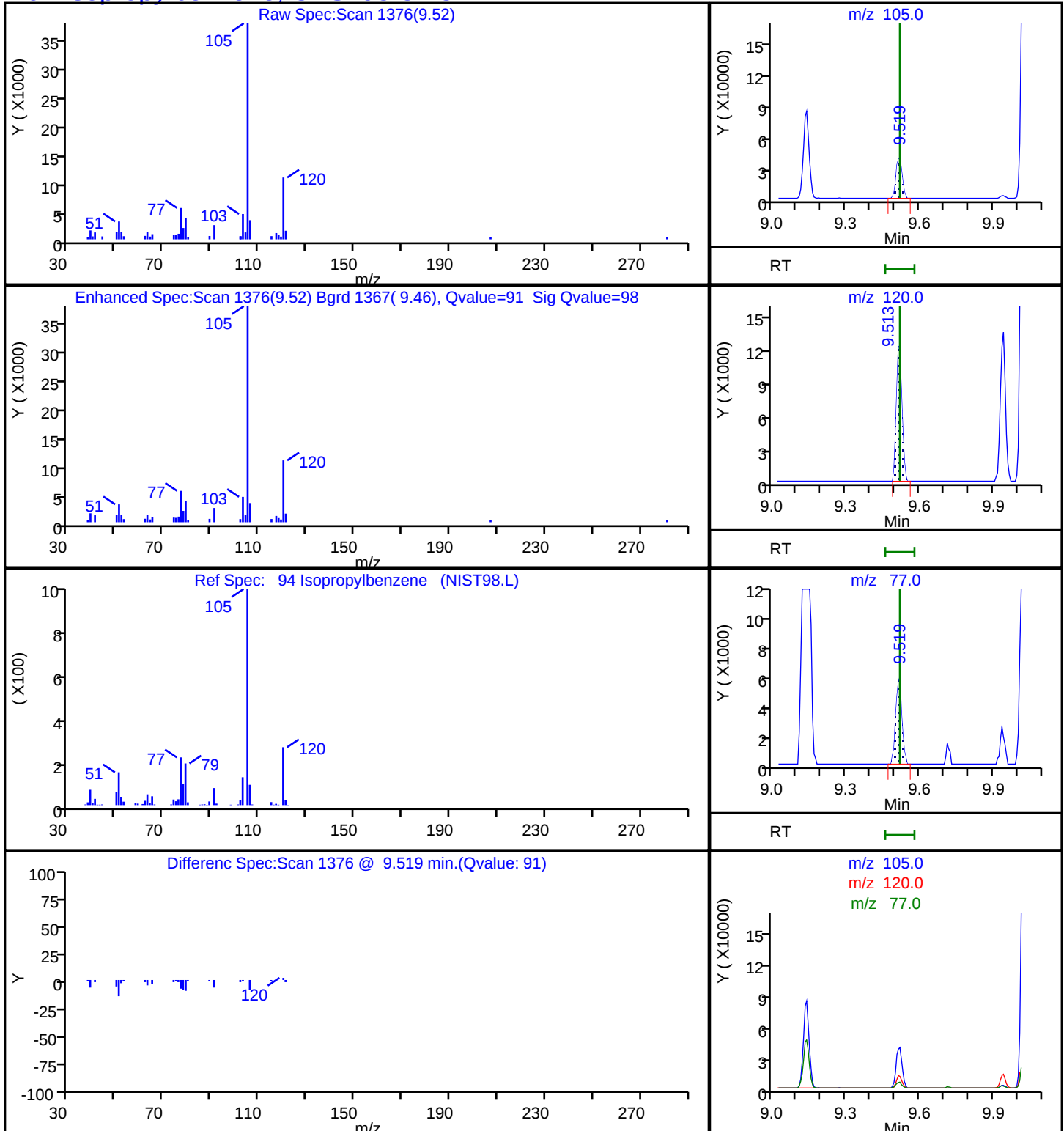
Dil. Factor: 200.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

94 Isopropylbenzene, CAS: 98-82-8

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4938.D

Injection Date: 13-May-2019 11:35:30

Instrument ID: HP5973S

Lims ID: 480-152909-C-4

Lab Sample ID: 480-152909-4

Client ID: IW-6-050219

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 9

Purge Vol: 5.000 mL

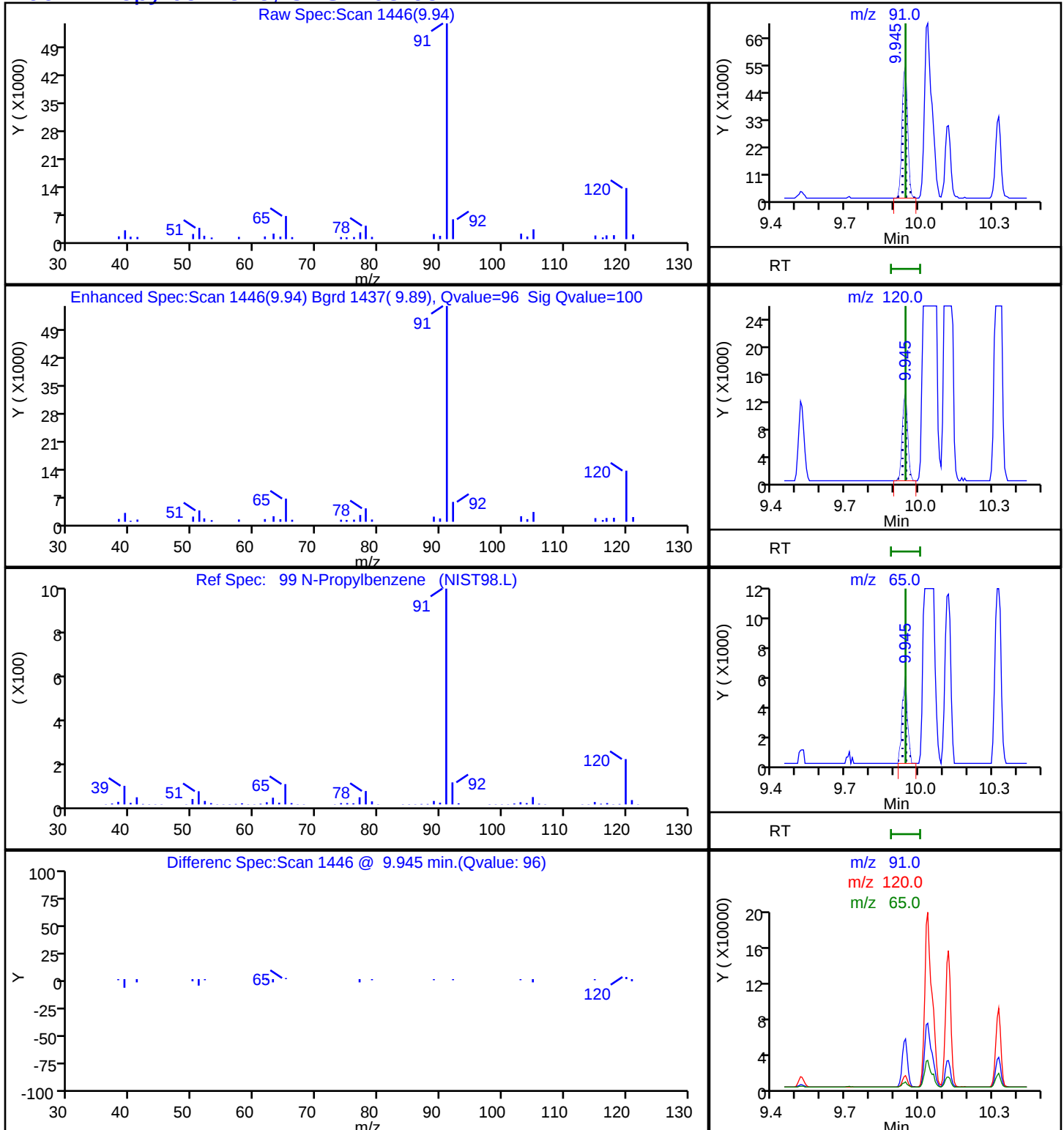
Dil. Factor: 200.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4938.D

Injection Date: 13-May-2019 11:35:30

Instrument ID: HP5973S

Lims ID: 480-152909-C-4

Lab Sample ID: 480-152909-4

Client ID: IW-6-050219

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 9

Purge Vol: 5.000 mL

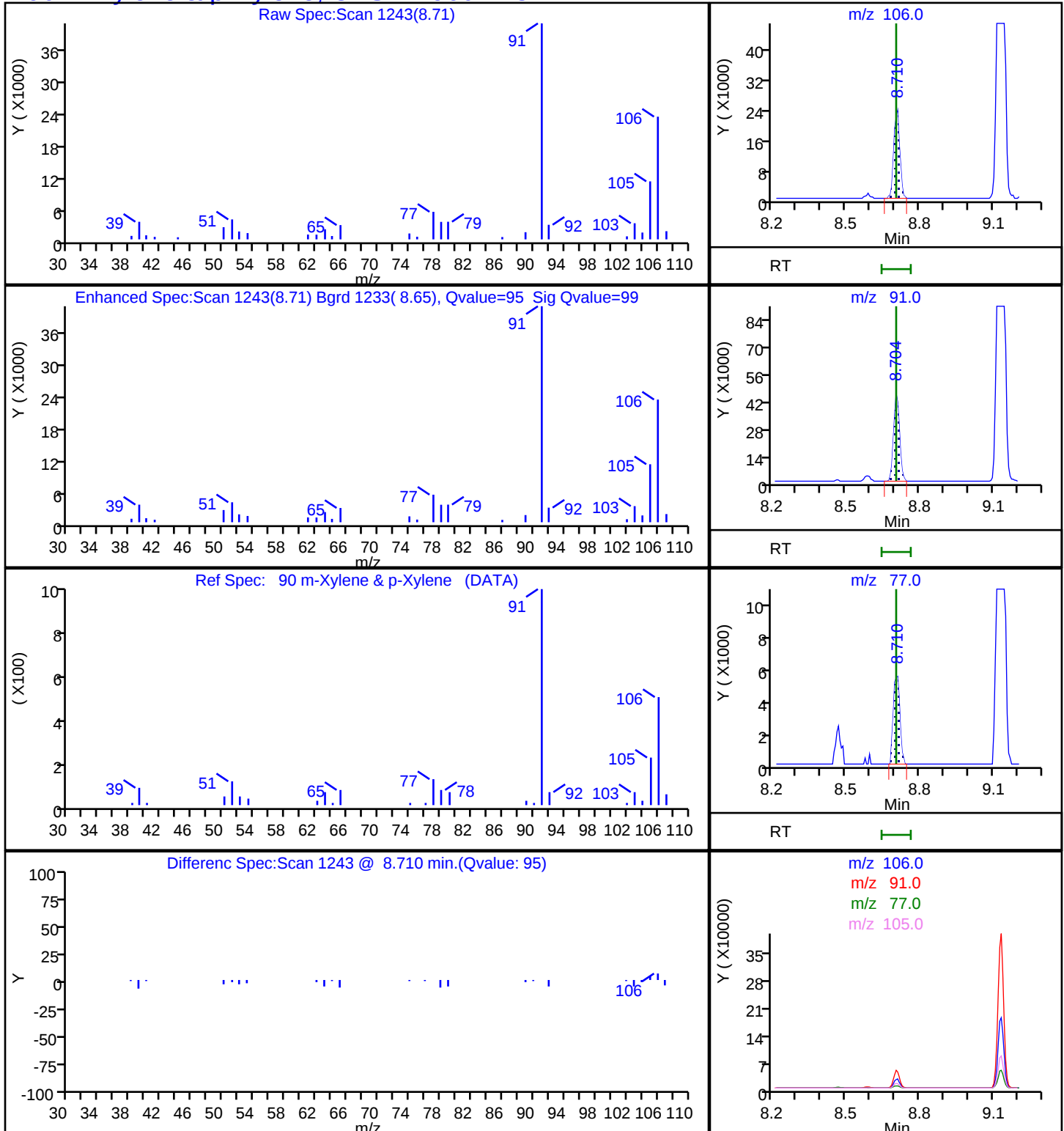
Dil. Factor: 200.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4938.D

Injection Date: 13-May-2019 11:35:30

Instrument ID: HP5973S

Lims ID: 480-152909-C-4

Lab Sample ID: 480-152909-4

Client ID: IW-6-050219

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 9

Purge Vol: 5.000 mL

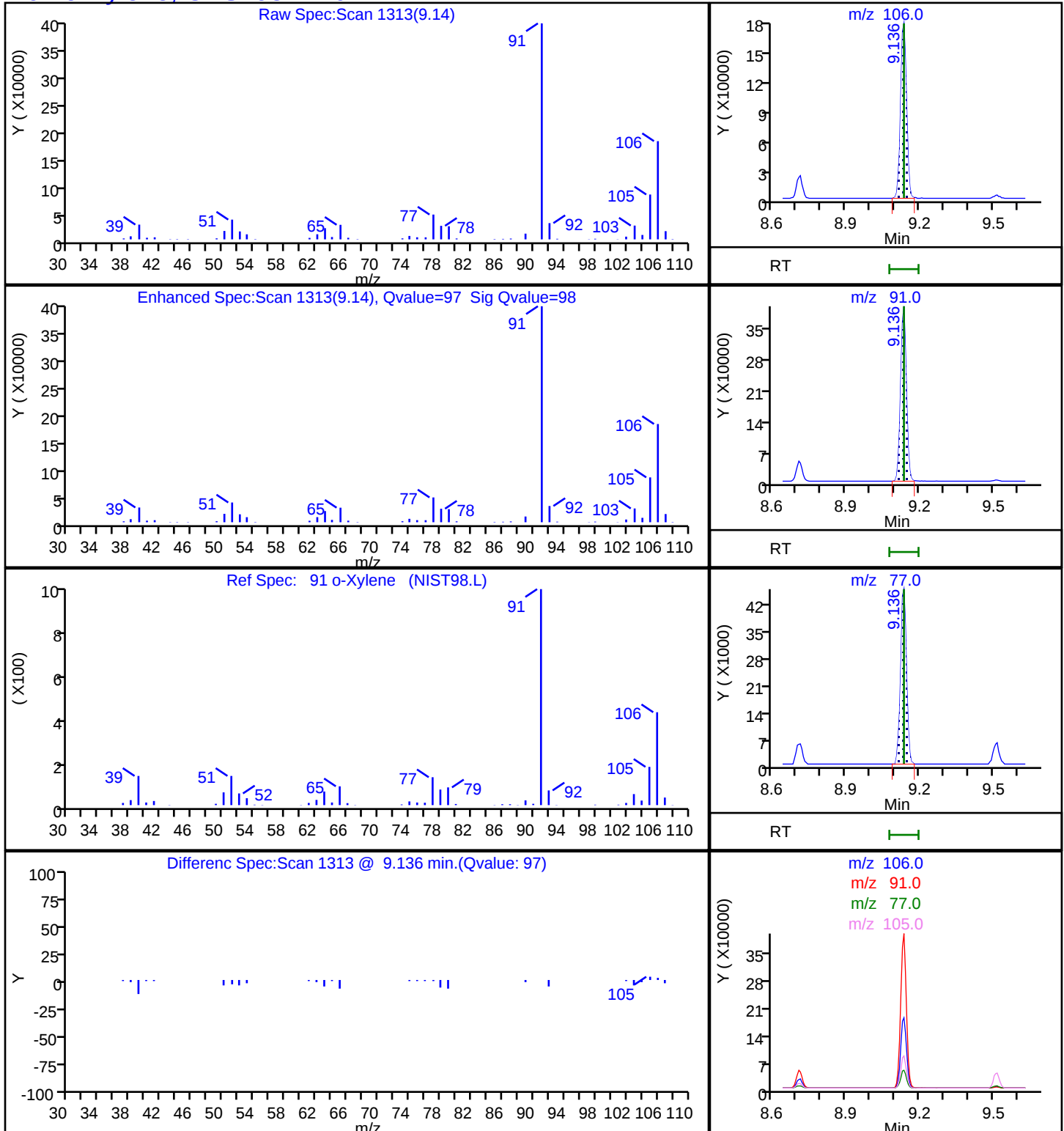
Dil. Factor: 200.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

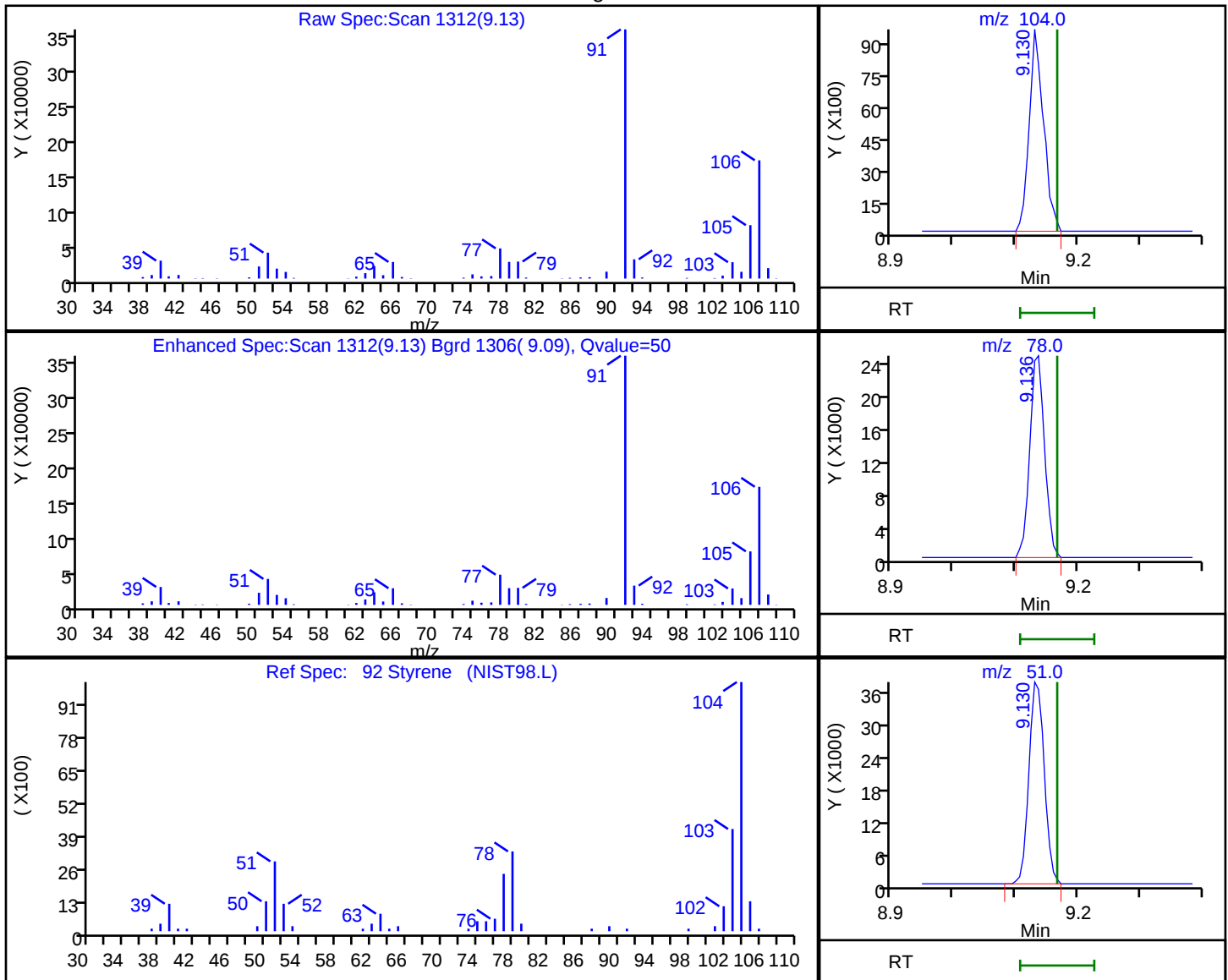
91 o-Xylene, CAS: 95-47-6

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4938.D
Injection Date: 13-May-2019 11:35:30 Instrument ID: HP5973S
Lims ID: 480-152909-C-4 Lab Sample ID: 480-152909-4
Client ID: IW-6-050219
Operator ID: AM ALS Bottle#: 1 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 200.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

92 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
9.13	104.00	15485	0.963701
9.14	78.00	40739	
9.13	51.00	64269	

Reviewer: milligana, 13-May-2019 18:38:40

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.: 480-152909-1
 SDG No.: _____
 Client Sample ID: IW-4-050219 Lab Sample ID: 480-152909-5
 Matrix: Water Lab File ID: S4939.D
 Analysis Method: 8260C Date Collected: 05/02/2019 09:20
 Sample wt/vol: 5 (mL) Date Analyzed: 05/13/2019 11:58
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472454 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
75-34-3	1,1-Dichloroethane	ND		10	3.8
75-35-4	1,1-Dichloroethene	ND		10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
95-63-6	1,2,4-Trimethylbenzene	460		10	7.5
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
106-93-4	1,2-Dibromoethane	ND		10	7.3
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
108-67-8	1,3,5-Trimethylbenzene	330		10	7.7
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
78-93-3	2-Butanone (MEK)	ND		100	13
591-78-6	2-Hexanone	ND		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	ND		100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Bromodichloromethane	ND		10	3.9
75-25-2	Bromoform	ND		10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
75-00-3	Chloroethane	ND		10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	ND		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
124-48-1	Dibromochloromethane	ND		10	3.2
75-71-8	Dichlorodifluoromethane	ND		10	6.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: IW-4-050219 Lab Sample ID: 480-152909-5
 Matrix: Water Lab File ID: S4939.D
 Analysis Method: 8260C Date Collected: 05/02/2019 09:20
 Sample wt/vol: 5 (mL) Date Analyzed: 05/13/2019 11:58
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472454 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		10	7.4
98-82-8	Isopropylbenzene	24		10	7.9
79-20-9	Methyl acetate	ND	*	25	13
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	ND		10	4.4
103-65-1	N-Propylbenzene	28		10	6.9
100-42-5	Styrene	ND		10	7.3
127-18-4	Tetrachloroethene	ND		10	3.6
108-88-3	Toluene	ND		10	5.1
156-60-5	trans-1,2-Dichloroethene	ND		10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	3.7
79-01-6	Trichloroethene	ND		10	4.6
75-69-4	Trichlorofluoromethane	ND		10	8.8
75-01-4	Vinyl chloride	ND		10	9.0
1330-20-7	Xylenes, Total	55		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4939.D
 Lims ID: 480-152909-C-5
 Client ID: IW-4-050219
 Sample Type: Client
 Inject. Date: 13-May-2019 11:58:30 ALS Bottle#: 2 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-152909-C-5
 Misc. Info.: 480-0081028-010
 Operator ID: AM Instrument ID: HP5973S
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 13-May-2019 18:41:18 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: milligana

Date: 13-May-2019 18:41:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	101280	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	85	209966	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	95	198546	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.889	4.883	0.006	56	127692	23.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.193	0.000	96	80923	23.6	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	93	515588	24.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	90	143241	22.3	
10 Dichlorodifluoromethane	85		1.276				ND	
12 Chloromethane	50		1.452				ND	
13 Vinyl chloride	62		1.549				ND	
14 Bromomethane	94		1.841				ND	
15 Chloroethane	64		1.951				ND	
17 Trichlorofluoromethane	101		2.170				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.675				ND	
22 1,1-Dichloroethene	96		2.675				ND	
23 Acetone	43		2.803				ND	
26 Carbon disulfide	76		2.888				ND	
27 Methyl acetate	43		3.101				ND	
30 Methylene Chloride	84		3.204				ND	
32 Methyl tert-butyl ether	73		3.411				ND	
34 trans-1,2-Dichloroethene	96		3.429				ND	
39 1,1-Dichloroethane	63		3.855				ND	
45 cis-1,2-Dichloroethene	96		4.415				ND	
43 2-Butanone (MEK)	43		4.451				ND	
50 Chloroform	83		4.731				ND	
51 1,1,1-Trichloroethane	97		4.835				ND	
52 Cyclohexane	56		4.841				ND	
55 Carbon tetrachloride	117		4.974				ND	
57 Benzene	78		5.193				ND	
58 1,2-Dichloroethane	62		5.266				ND	
62 Trichloroethene	95		5.808				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.924				ND	
65 1,2-Dichloropropane	63		6.051				ND	
68 Dichlorobromomethane	83		6.343				ND	
72 cis-1,3-Dichloropropene	75		6.757				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.903				ND	
74 Toluene	92		7.043				ND	
77 trans-1,3-Dichloropropene	75		7.329				ND	
79 1,1,2-Trichloroethane	83		7.517				ND	
81 Tetrachloroethene	166		7.572				ND	
80 2-Hexanone	43		7.749				ND	
83 Chlorodibromomethane	129		7.919				ND	
84 Ethylene Dibromide	107		8.022				ND	
87 Chlorobenzene	112		8.497				ND	
88 Ethylbenzene	91		8.582				ND	
90 m-Xylene & p-Xylene	106	8.710	8.710	0.006	56	4675	0.4225	a
91 o-Xylene	106	9.136	9.136	0.000	94	61106	5.46	
92 Styrene	104		9.166				ND	U
95 Bromoform	173		9.422				ND	
94 Isopropylbenzene	105	9.513	9.519	-0.006	92	65099	2.38	
97 1,1,2,2-Tetrachloroethane	83		9.926				ND	
99 N-Propylbenzene	91	9.945	9.945	0.000	95	91684	2.84	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	95	800275	33.1	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	97	1119016	45.9	
111 1,3-Dichlorobenzene	146		10.784				ND	
113 1,4-Dichlorobenzene	146		10.869				ND	
116 1,2-Dichlorobenzene	146		11.222				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.952				ND	
119 1,2,4-Trichlorobenzene	180		12.622				ND	
S 124 Xylenes, Total	1				0		5.88	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

S_8260_IS_00319

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00315

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4939.D

Injection Date: 13-May-2019 11:58:30

Instrument ID: HP5973S

Operator ID: AM

Lims ID: 480-152909-C-5

Lab Sample ID: 480-152909-5

Worklist Smp#: 10

Client ID: IW-4-050219

Purge Vol: 5.000 mL

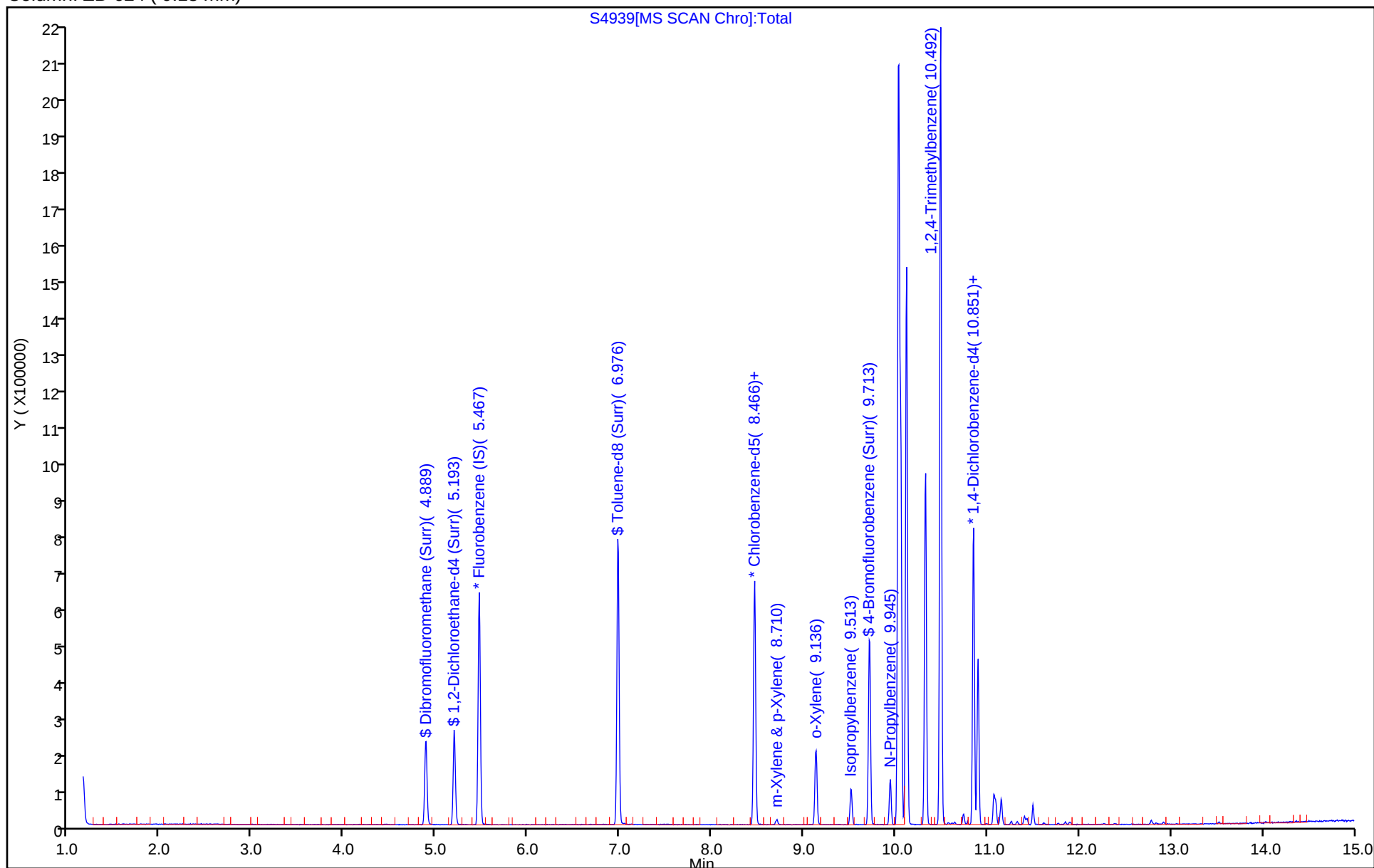
Dil. Factor: 10.0000

ALS Bottle#: 2

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4939.D

Injection Date: 13-May-2019 11:58:30

Instrument ID: HP5973S

Lims ID: 480-152909-C-5

Lab Sample ID: 480-152909-5

Client ID: IW-4-050219

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 10

Purge Vol: 5.000 mL

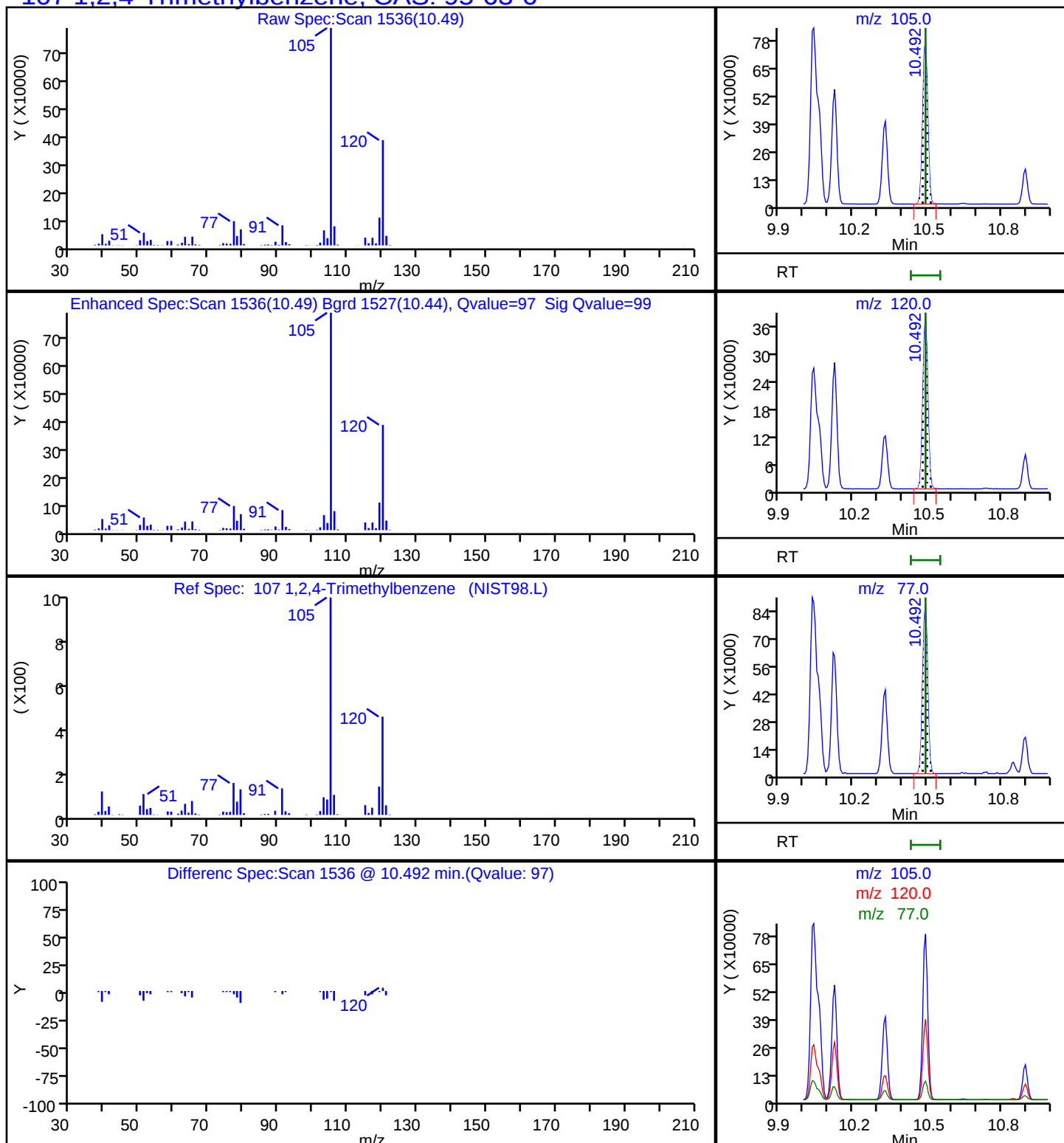
Dil. Factor: 10.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

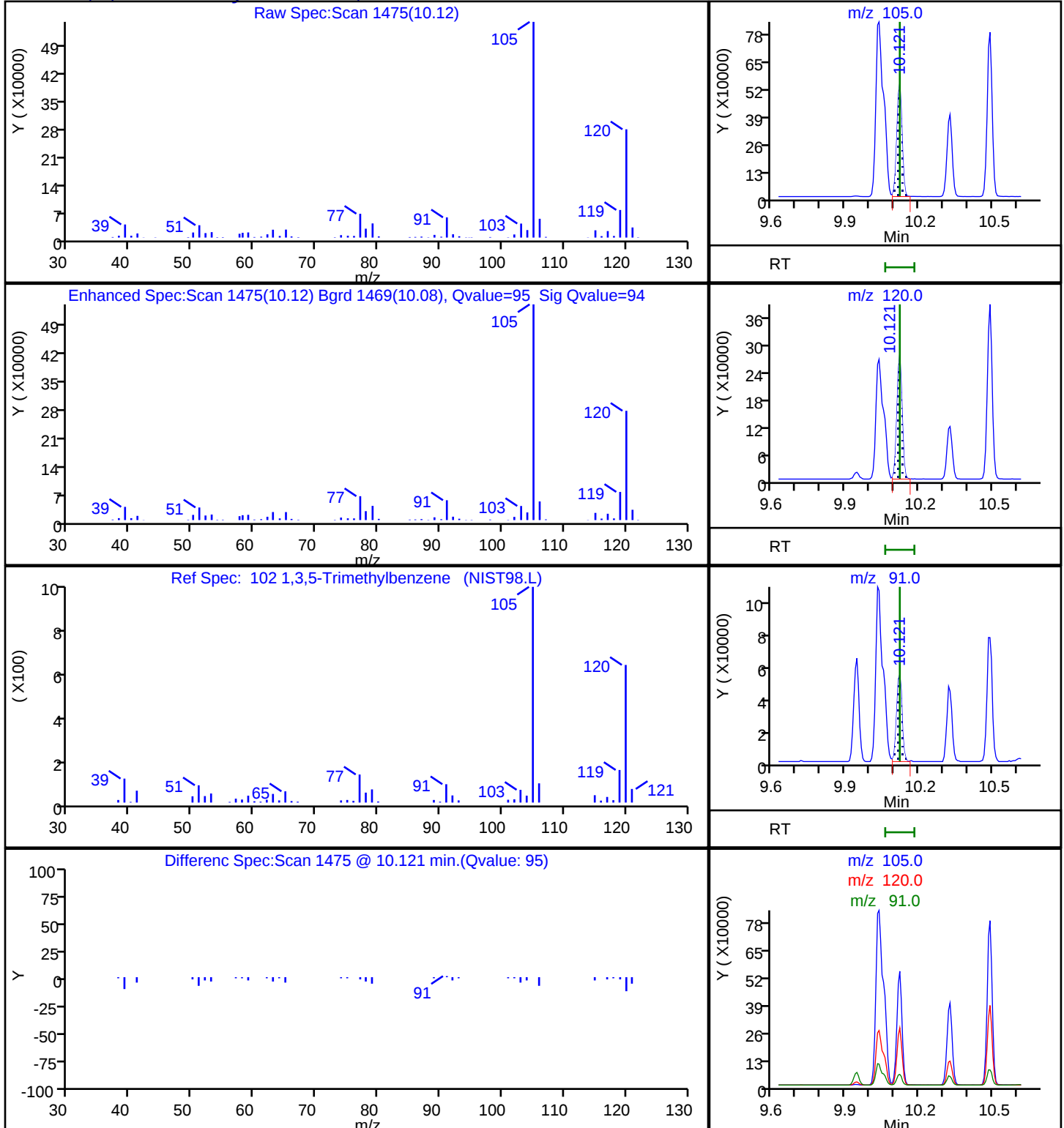
Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

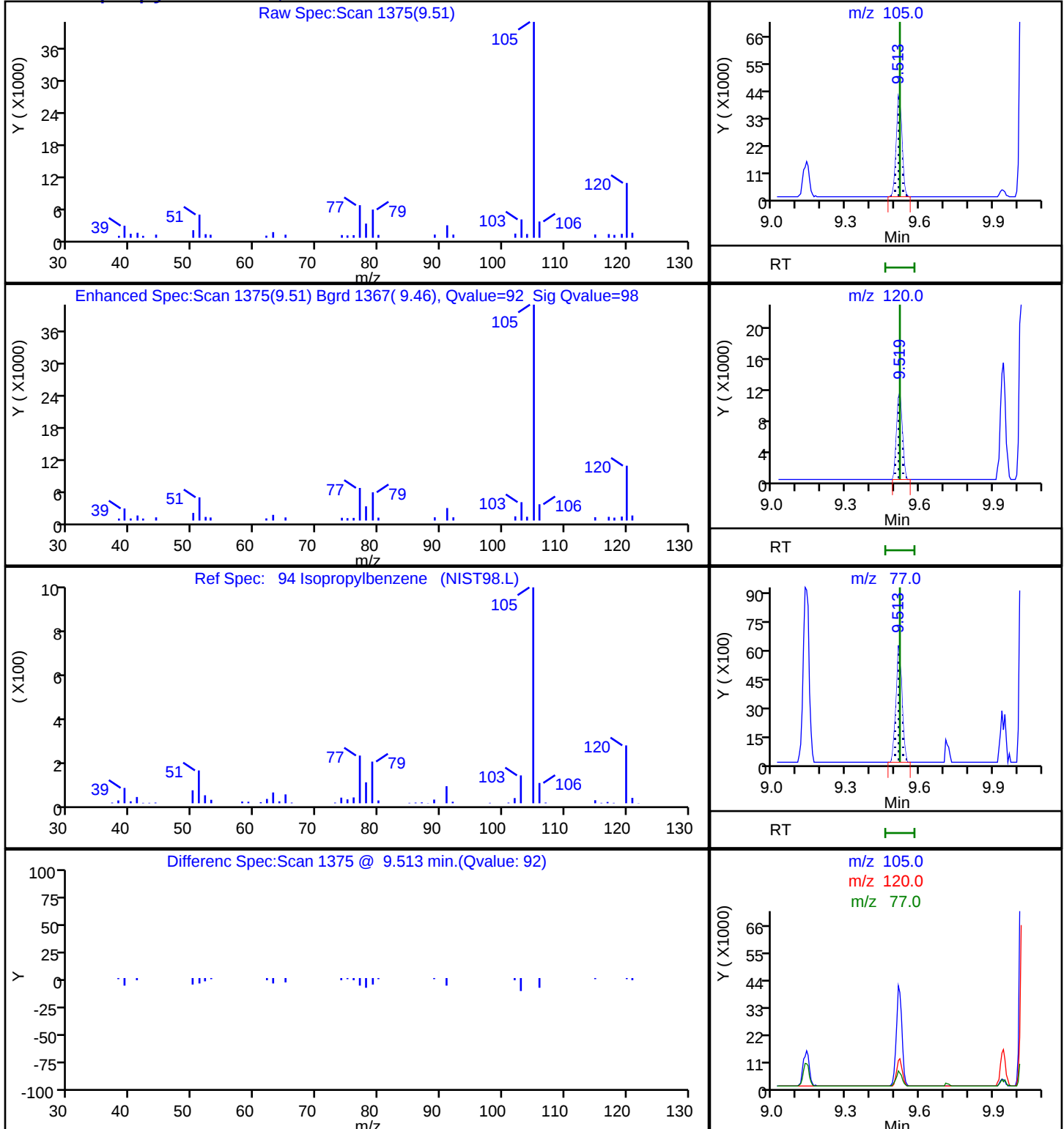
Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4939.D
Injection Date: 13-May-2019 11:58:30 Instrument ID: HP5973S
Lims ID: 480-152909-C-5 Lab Sample ID: 480-152909-5
Client ID: IW-4-050219
Operator ID: AM ALS Bottle#: 2 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4939.D
Injection Date: 13-May-2019 11:58:30 Instrument ID: HP5973S
Lims ID: 480-152909-C-5 Lab Sample ID: 480-152909-5
Client ID: IW-4-050219
Operator ID: AM ALS Bottle#: 2 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

94 Isopropylbenzene, CAS: 98-82-8

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4939.D

Injection Date: 13-May-2019 11:58:30

Instrument ID: HP5973S

Lims ID: 480-152909-C-5

Lab Sample ID: 480-152909-5

Client ID: IW-4-050219

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 10

Purge Vol: 5.000 mL

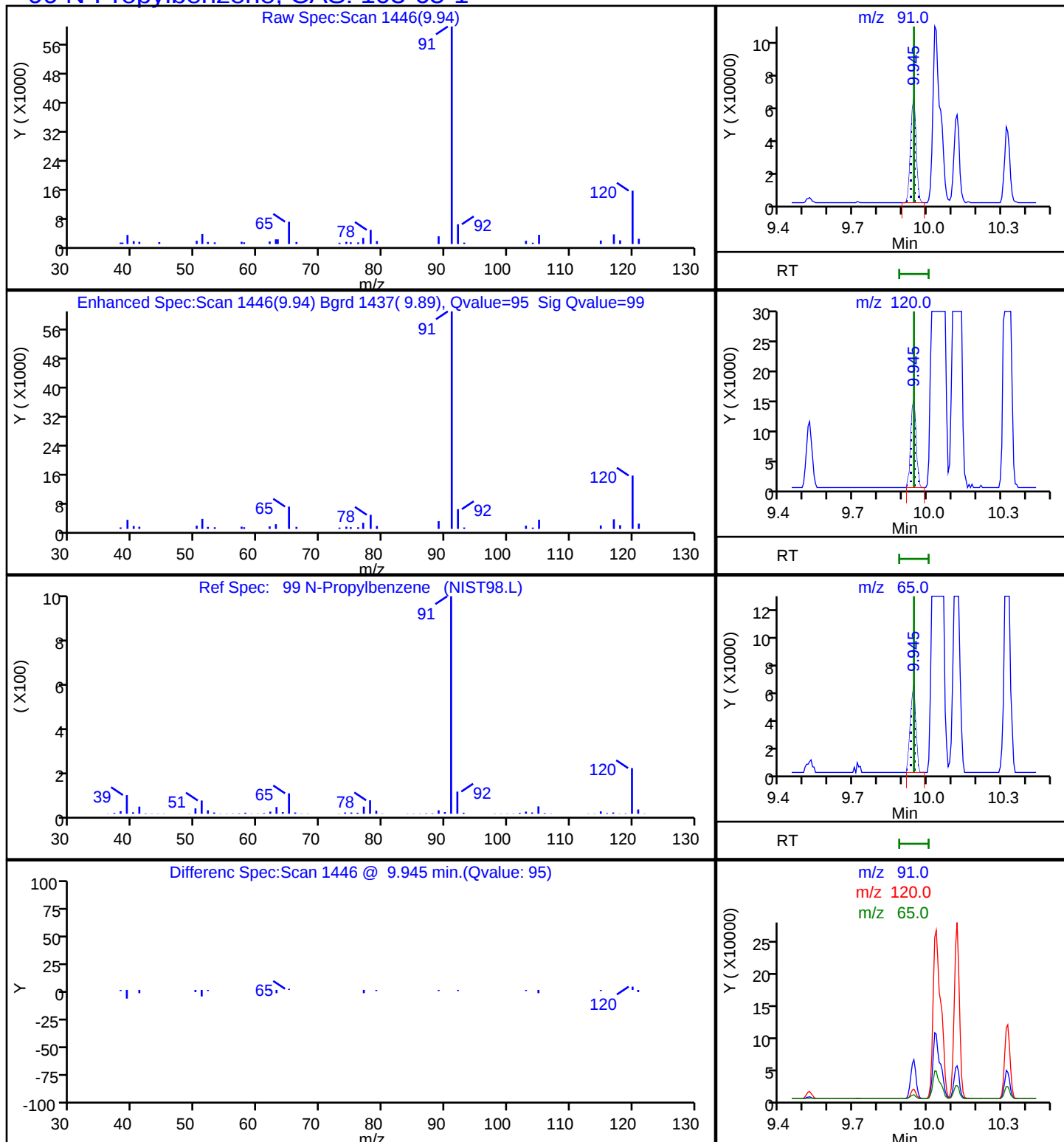
Dil. Factor: 10.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4939.D

Injection Date: 13-May-2019 11:58:30

Instrument ID: HP5973S

Lims ID: 480-152909-C-5

Lab Sample ID: 480-152909-5

Client ID: IW-4-050219

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 10

Purge Vol: 5.000 mL

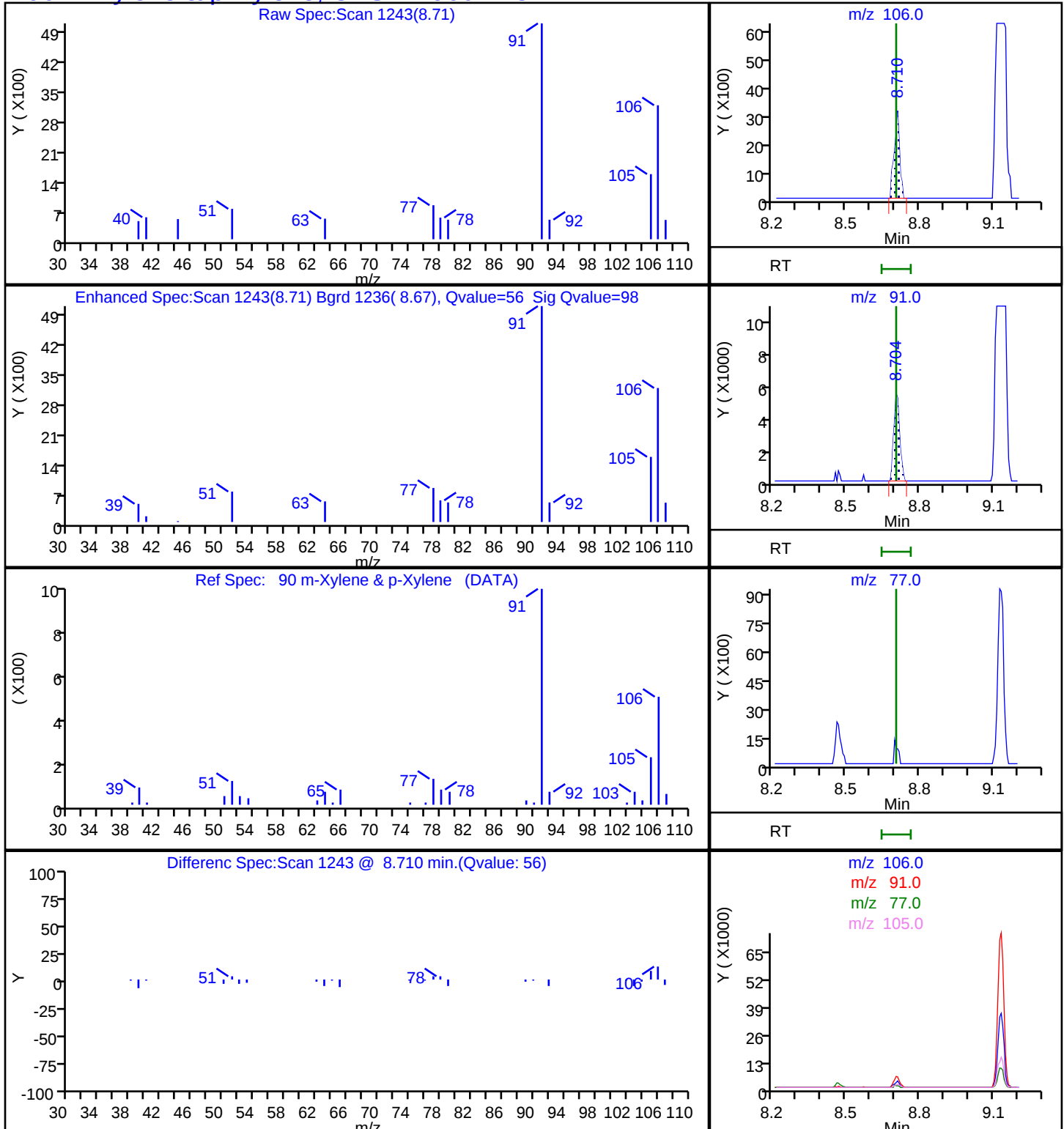
Dil. Factor: 10.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

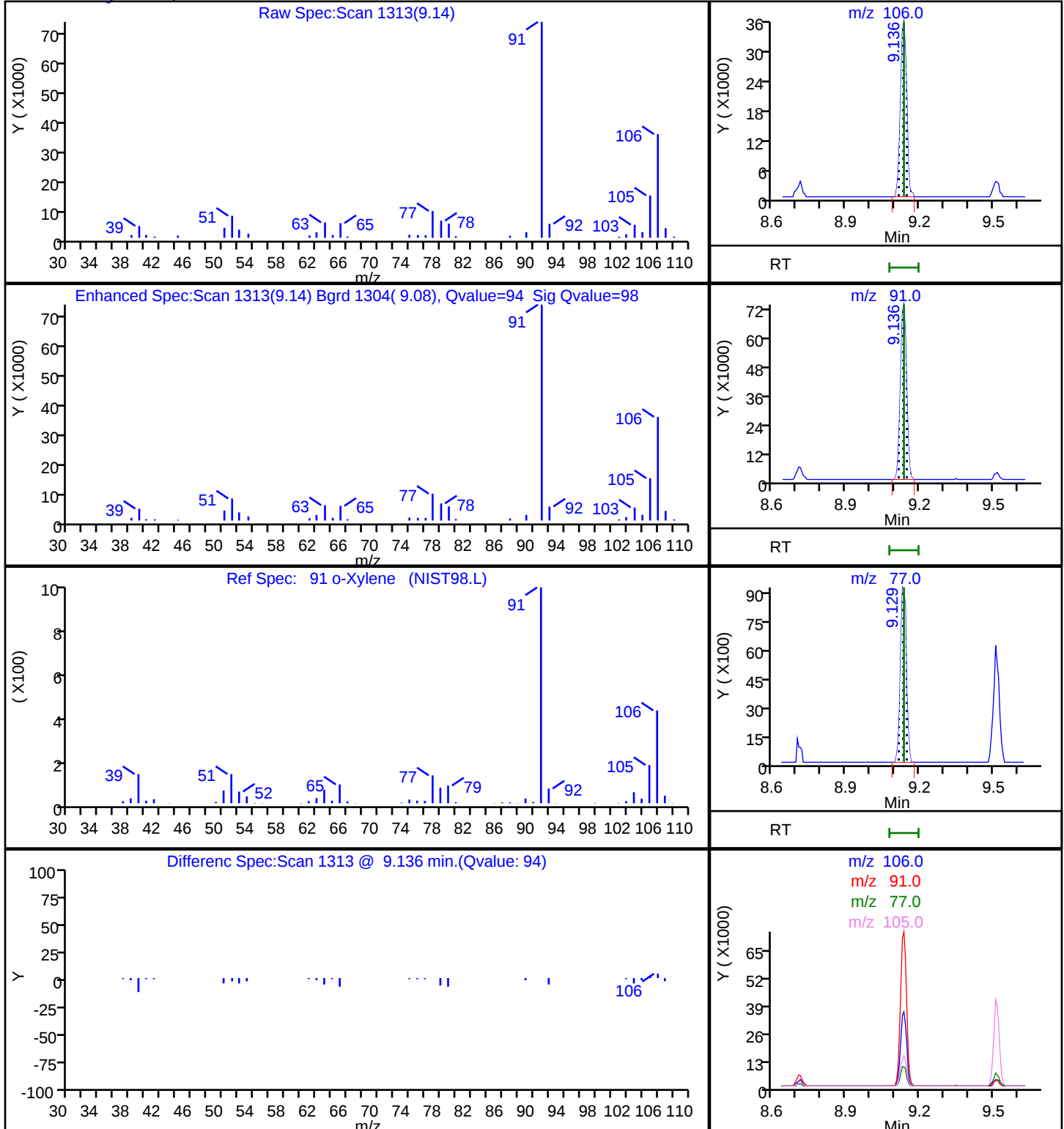
Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4939.D
Injection Date: 13-May-2019 11:58:30 Instrument ID: HP5973S
Lims ID: 480-152909-C-5 Lab Sample ID: 480-152909-5
Client ID: IW-4-050219
Operator ID: AM ALS Bottle#: 2 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4939.D

Injection Date: 13-May-2019 11:58:30

Instrument ID: HP5973S

Lims ID: 480-152909-C-5

Lab Sample ID: 480-152909-5

Client ID: IW-4-050219

Operator ID: AM

ALS Bottle#: 2 Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

Method: S-8260

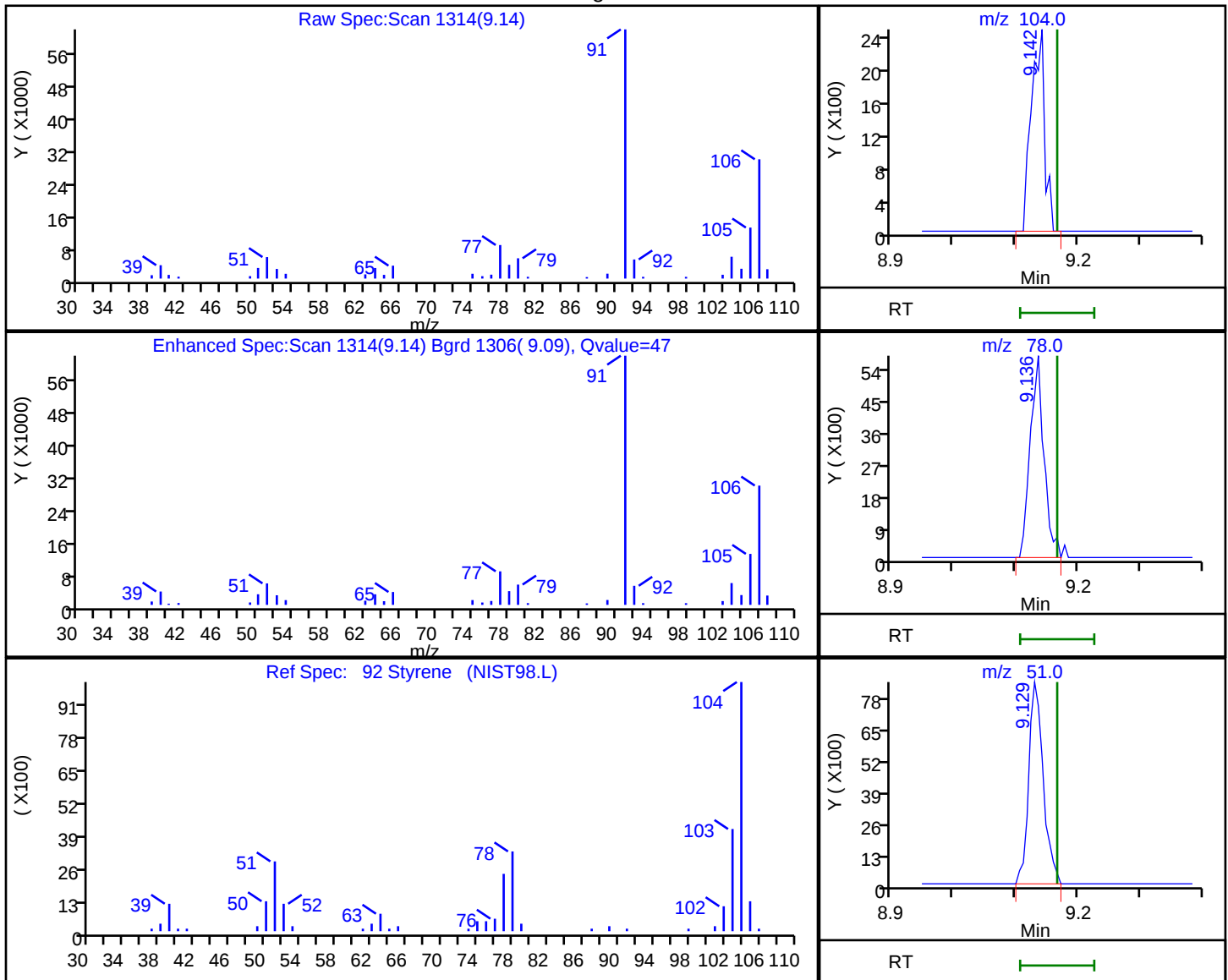
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

92 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
9.14	104.00	3582	0.205823
9.14	78.00	8934	
9.13	51.00	13792	

Reviewer: milligana, 13-May-2019 18:41:07

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

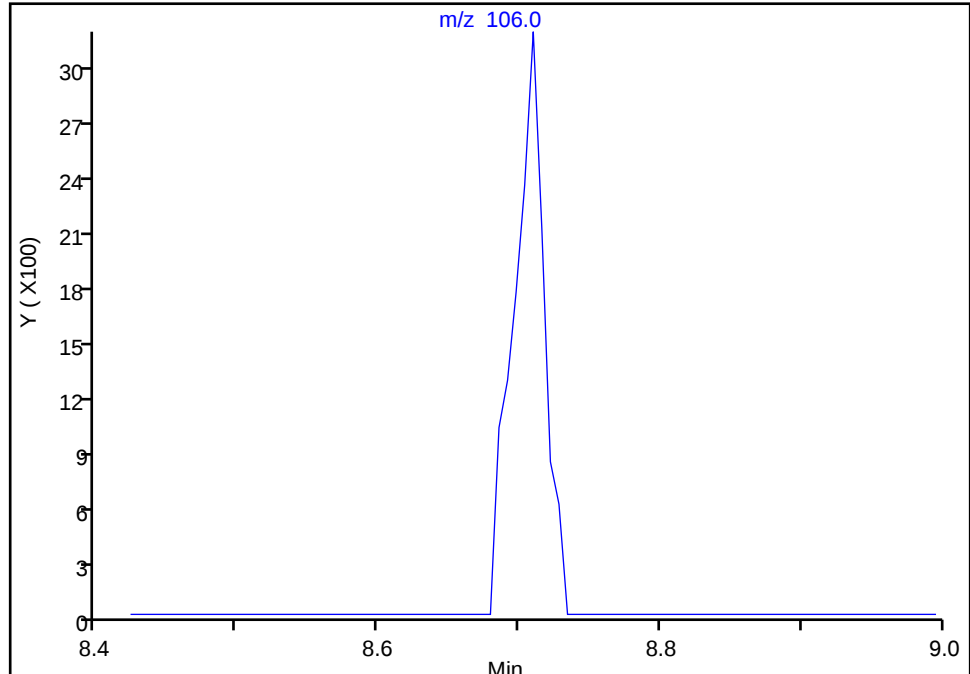
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4939.D
Injection Date: 13-May-2019 11:58:30 Instrument ID: HP5973S
Lims ID: 480-152909-C-5 Lab Sample ID: 480-152909-5
Client ID: IW-4-050219
Operator ID: AM ALS Bottle#: 2 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

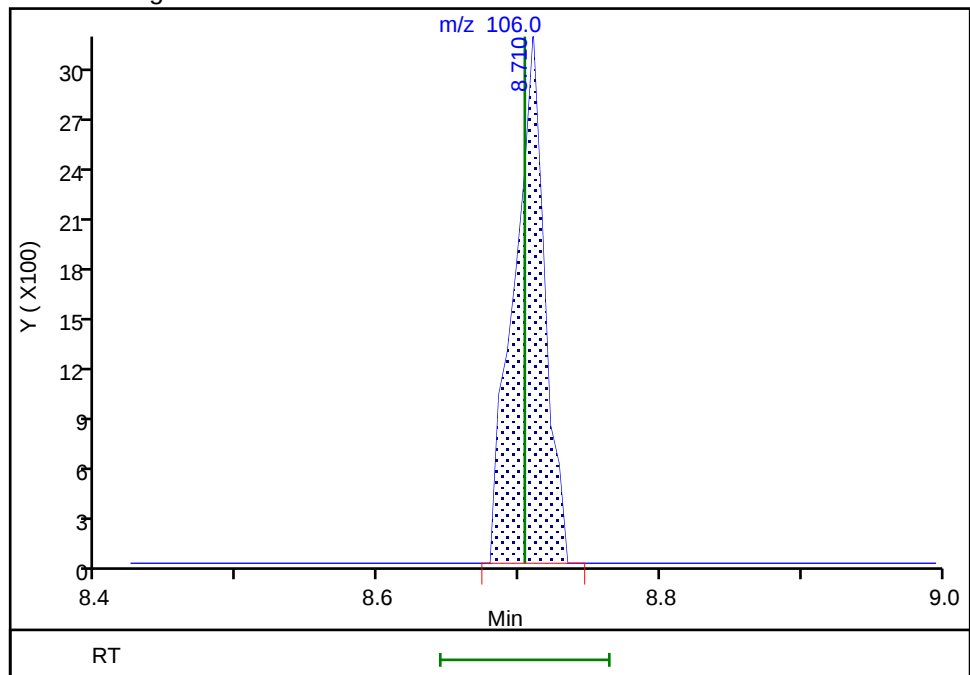
Not Detected
Expected RT: 8.70

Processing Integration Results



RT: 8.71
Area: 4675
Amount: 0.422547
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 13-May-2019 18:41:03

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1

SDG No.: _____

Client Sample ID: VRI-3-050219 Lab Sample ID: 480-152909-6

Matrix: Water Lab File ID: S4830.D

Analysis Method: 8260C Date Collected: 05/02/2019 14:55

Sample wt/vol: 5 (mL) Date Analyzed: 05/11/2019 16:20

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.: 472381 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: VRI-3-050219 Lab Sample ID: 480-152909-6
 Matrix: Water Lab File ID: S4830.D
 Analysis Method: 8260C Date Collected: 05/02/2019 14:55
 Sample wt/vol: 5 (mL) Date Analyzed: 05/11/2019 16:20
 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.: 472381 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	88		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4830.D
 Lims ID: 480-152909-A-6
 Client ID: VRI-3-050219
 Sample Type: Client
 Inject. Date: 11-May-2019 16:20:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-152909-A-6
 Misc. Info.: 480-0081008-016
 Operator ID: AEM Instrument ID: HP5973S
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-May-2019 08:51:49 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0327

First Level Reviewer: moffata

Date: 12-May-2019 08:52:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	118971	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.460	0.006	83	251482	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	94	229622	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	55	154859	23.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.193	0.000	92	103708	25.8	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.981	0.000	93	615296	24.5	
\$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.727	0.000	89	169632	22.0	
10 Dichlorodifluoromethane	85		1.270				ND	
12 Chloromethane	50		1.446				ND	
13 Vinyl chloride	62		1.549				ND	
14 Bromomethane	94		1.841				ND	
15 Chloroethane	64		1.939				ND	
17 Trichlorofluoromethane	101		2.170				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.669				ND	
22 1,1-Dichloroethene	96		2.675				ND	
23 Acetone	43		2.797				ND	
26 Carbon disulfide	76		2.876				ND	
27 Methyl acetate	43		3.101				ND	
30 Methylene Chloride	84		3.198				ND	
32 Methyl tert-butyl ether	73		3.411				ND	
34 trans-1,2-Dichloroethene	96		3.429				ND	
39 1,1-Dichloroethane	63		3.849				ND	
45 cis-1,2-Dichloroethene	96		4.409				ND	
43 2-Butanone (MEK)	43		4.451				ND	
50 Chloroform	83		4.725				ND	
51 1,1,1-Trichloroethane	97		4.835				ND	
52 Cyclohexane	56		4.841				ND	
55 Carbon tetrachloride	117		4.975				ND	
57 Benzene	78		5.194				ND	
58 1,2-Dichloroethane	62		5.267				ND	
62 Trichloroethene	95		5.802				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.917				ND	
65 1,2-Dichloropropane	63		6.051				ND	
68 Dichlorobromomethane	83		6.343				ND	
72 cis-1,3-Dichloropropene	75		6.757				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.903				ND	
74 Toluene	92		7.043				ND	
77 trans-1,3-Dichloropropene	75		7.329				ND	
79 1,1,2-Trichloroethane	83		7.517				ND	
81 Tetrachloroethene	166		7.572				ND	
80 2-Hexanone	43		7.749				ND	
83 Chlorodibromomethane	129		7.919				ND	
84 Ethylene Dibromide	107		8.022				ND	
87 Chlorobenzene	112		8.497				ND	
88 Ethylbenzene	91		8.582				ND	
90 m-Xylene & p-Xylene	106		8.704				ND	
91 o-Xylene	106		9.136				ND	
92 Styrene	104		9.166				ND	
95 Bromoform	173		9.416				ND	
94 Isopropylbenzene	105		9.519				ND	
97 1,1,2,2-Tetrachloroethane	83		9.927				ND	
99 N-Propylbenzene	91		9.945				ND	
102 1,3,5-Trimethylbenzene	105		10.121				ND	
107 1,2,4-Trimethylbenzene	105		10.492				ND	
111 1,3-Dichlorobenzene	146		10.784				ND	
113 1,4-Dichlorobenzene	146		10.870				ND	
116 1,2-Dichlorobenzene	146		11.222				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.952				ND	
119 1,2,4-Trichlorobenzene	180		12.622				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00318	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00315	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4830.D

Injection Date: 11-May-2019 16:20:30

Instrument ID: HP5973S

Operator ID: AEM

Lims ID: 480-152909-A-6

Lab Sample ID: 480-152909-6

Worklist Smp#: 16

Client ID: VRI-3-050219

Purge Vol: 5.000 mL

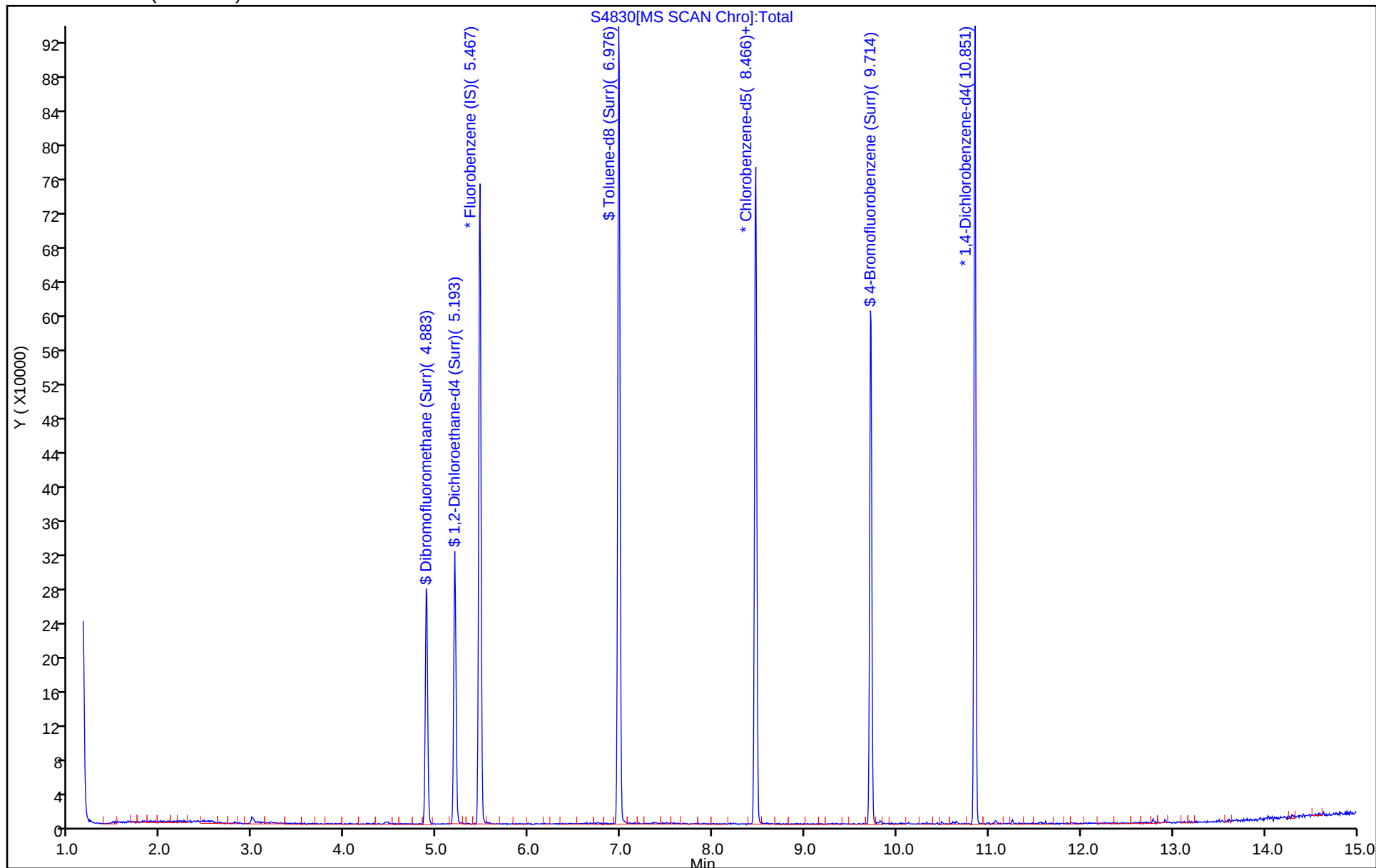
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: S-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.: 480-152909-1

SDG No.: _____

Client Sample ID: EB-050219 Lab Sample ID: 480-152909-7

Matrix: Water Lab File ID: S4831.D

Analysis Method: 8260C Date Collected: 05/02/2019 15:10

Sample wt/vol: 5 (mL) Date Analyzed: 05/11/2019 16:43

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.: 472381 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: EB-050219 Lab Sample ID: 480-152909-7
 Matrix: Water Lab File ID: S4831.D
 Analysis Method: 8260C Date Collected: 05/02/2019 15:10
 Sample wt/vol: 5 (mL) Date Analyzed: 05/11/2019 16:43
 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.: 472381 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	87		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4831.D
 Lims ID: 480-152909-A-7
 Client ID: EB-050219
 Sample Type: Client
 Inject. Date: 11-May-2019 16:43:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-152909-A-7
 Misc. Info.: 480-0081008-017
 Operator ID: AEM Instrument ID: HP5973S
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-May-2019 08:51:49 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0327

First Level Reviewer: moffata

Date: 12-May-2019 09:04:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	119970	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.460	0.006	84	261912	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	95	242309	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.889	4.883	0.006	58	155391	23.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.193	0.000	96	102721	25.3	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.981	0.000	93	617013	23.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.727	0.000	90	173545	21.6	
10 Dichlorodifluoromethane	85		1.270				ND	
12 Chloromethane	50		1.446				ND	
13 Vinyl chloride	62		1.549				ND	
14 Bromomethane	94		1.841				ND	
15 Chloroethane	64		1.939				ND	
17 Trichlorofluoromethane	101		2.170				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.669				ND	
22 1,1-Dichloroethene	96		2.675				ND	
23 Acetone	43		2.797				ND	
26 Carbon disulfide	76		2.876				ND	
27 Methyl acetate	43		3.101				ND	
30 Methylene Chloride	84		3.198				ND	
32 Methyl tert-butyl ether	73		3.411				ND	
34 trans-1,2-Dichloroethene	96		3.429				ND	
39 1,1-Dichloroethane	63		3.849				ND	
45 cis-1,2-Dichloroethene	96		4.409				ND	
43 2-Butanone (MEK)	43		4.451				ND	
50 Chloroform	83		4.725				ND	
51 1,1,1-Trichloroethane	97		4.835				ND	
52 Cyclohexane	56		4.841				ND	
55 Carbon tetrachloride	117		4.975				ND	
57 Benzene	78		5.194				ND	
58 1,2-Dichloroethane	62		5.267				ND	
62 Trichloroethene	95		5.802				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.917				ND	
65 1,2-Dichloropropane	63		6.051				ND	
68 Dichlorobromomethane	83		6.343				ND	
72 cis-1,3-Dichloropropene	75		6.757				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.903				ND	
74 Toluene	92		7.043				ND	
77 trans-1,3-Dichloropropene	75		7.329				ND	
79 1,1,2-Trichloroethane	83		7.517				ND	
81 Tetrachloroethene	166		7.572				ND	
80 2-Hexanone	43		7.749				ND	
83 Chlorodibromomethane	129		7.919				ND	
84 Ethylene Dibromide	107		8.022				ND	
87 Chlorobenzene	112		8.497				ND	
88 Ethylbenzene	91		8.582				ND	
90 m-Xylene & p-Xylene	106		8.704				ND	
91 o-Xylene	106		9.136				ND	
92 Styrene	104		9.166				ND	
95 Bromoform	173		9.416				ND	
94 Isopropylbenzene	105		9.519				ND	
97 1,1,2,2-Tetrachloroethane	83		9.927				ND	
99 N-Propylbenzene	91		9.945				ND	
102 1,3,5-Trimethylbenzene	105		10.121				ND	
107 1,2,4-Trimethylbenzene	105		10.492				ND	
111 1,3-Dichlorobenzene	146		10.784				ND	
113 1,4-Dichlorobenzene	146		10.870				ND	
116 1,2-Dichlorobenzene	146		11.222				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.952				ND	
119 1,2,4-Trichlorobenzene	180		12.622				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00318

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00315

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4831.D

Injection Date: 11-May-2019 16:43:30

Instrument ID: HP5973S

Operator ID: AEM

Lims ID: 480-152909-A-7

Lab Sample ID: 480-152909-7

Worklist Smp#: 17

Client ID: EB-050219

Purge Vol: 5.000 mL

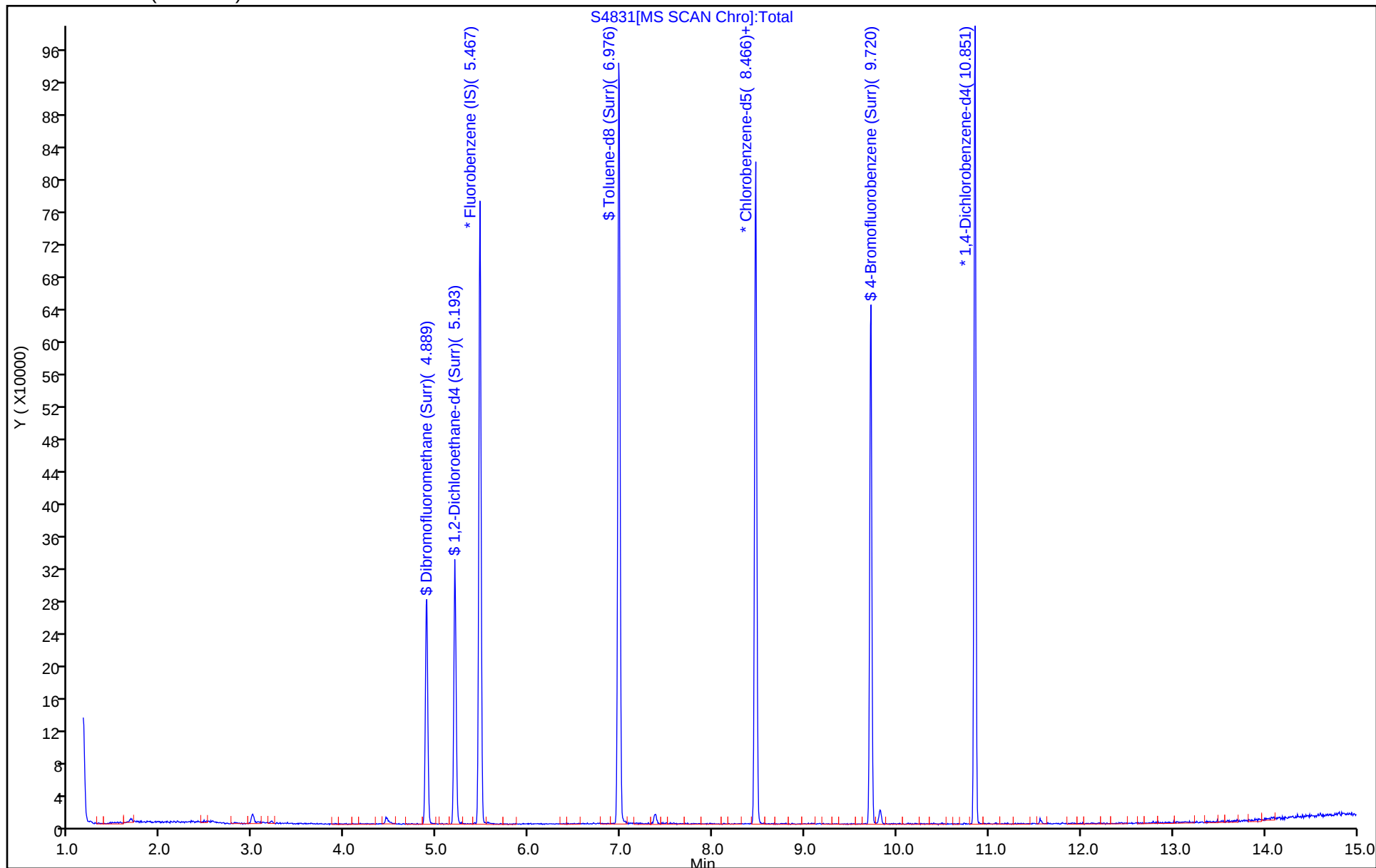
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: S-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.: 480-152909-1
 SDG No.: _____
 Client Sample ID: IW7-050119 Lab Sample ID: 480-152909-8
 Matrix: Water Lab File ID: T0738.D
 Analysis Method: 8260C Date Collected: 05/01/2019 03:00
 Sample wt/vol: 5 (mL) Date Analyzed: 05/10/2019 02:45
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472168 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
75-34-3	1,1-Dichloroethane	ND		10	3.8
75-35-4	1,1-Dichloroethene	ND		10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
95-63-6	1,2,4-Trimethylbenzene	2100	E	10	7.5
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
106-93-4	1,2-Dibromoethane	ND		10	7.3
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
108-67-8	1,3,5-Trimethylbenzene	1200	E	10	7.7
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
78-93-3	2-Butanone (MEK)	ND		100	13
591-78-6	2-Hexanone	ND		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	ND		100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Bromodichloromethane	ND		10	3.9
75-25-2	Bromoform	ND	*	10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
75-00-3	Chloroethane	ND		10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	ND		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
124-48-1	Dibromochloromethane	ND	*	10	3.2
75-71-8	Dichlorodifluoromethane	ND		10	6.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: IW7-050119 Lab Sample ID: 480-152909-8
 Matrix: Water Lab File ID: T0738.D
 Analysis Method: 8260C Date Collected: 05/01/2019 03:00
 Sample wt/vol: 5 (mL) Date Analyzed: 05/10/2019 02:45
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472168 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	13		10	7.4
98-82-8	Isopropylbenzene	98		10	7.9
79-20-9	Methyl acetate	ND		25	13
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	7.1	J	10	4.4
103-65-1	N-Propylbenzene	80		10	6.9
100-42-5	Styrene	ND		10	7.3
127-18-4	Tetrachloroethene	ND		10	3.6
108-88-3	Toluene	ND		10	5.1
156-60-5	trans-1,2-Dichloroethene	ND		10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	3.7
79-01-6	Trichloroethene	ND		10	4.6
75-69-4	Trichlorofluoromethane	ND		10	8.8
75-01-4	Vinyl chloride	ND		10	9.0
1330-20-7	Xylenes, Total	2000	E	20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		77-120
460-00-4	4-Bromofluorobenzene (Surr)	114		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0738.D
 Lims ID: 480-152909-A-8
 Client ID: IW7-050119
 Sample Type: Client
 Inject. Date: 10-May-2019 02:45:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-152909-A-8
 Misc. Info.: 480-0080959-017
 Operator ID: AEM Instrument ID: HP5975T
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-May-2019 09:06:24 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0302

First Level Reviewer: nowakk

Date: 10-May-2019 09:06:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.859	4.858	0.001	98	95419	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	89	360610	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	94	235780	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	90	124556	25.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	161243	28.0	
\$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.001	95	507085	26.5	
\$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.081	0.001	0	162864	28.6	
11 Dichlorodifluoromethane	85		1.273				ND	
13 Chloromethane	50		1.428				ND	
14 Vinyl chloride	62		1.511				ND	
15 Bromomethane	94		1.781				ND	
16 Chloroethane	64		1.832				ND	
17 Trichlorofluoromethane	101		2.071				ND	
22 1,1-Dichloroethene	96		2.506				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.506				ND	
23 Acetone	43		2.620				ND	U
25 Carbon disulfide	76		2.693				ND	
28 Methyl acetate	43		2.879				ND	
30 Methylene Chloride	84	2.983	2.983	0.000	89	4031	0.7095	
33 Methyl tert-butyl ether	73		3.169				ND	
32 trans-1,2-Dichloroethene	96		3.180				ND	
36 1,1-Dichloroethane	63		3.542				ND	
43 cis-1,2-Dichloroethene	96		4.009				ND	
44 2-Butanone (MEK)	43		4.029				ND	
50 Chloroform	83		4.268				ND	
51 1,1,1-Trichloroethane	97		4.361				ND	
52 Cyclohexane	56		4.371				ND	
53 Carbon tetrachloride	117		4.475				ND	
55 Benzene	78		4.641				ND	
57 1,2-Dichloroethane	62		4.703				ND	
60 Trichloroethene	95		5.128				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.221				ND	
63 1,2-Dichloropropane	63		5.314				ND	
67 Dichlorobromomethane	83		5.542				ND	
71 cis-1,3-Dichloropropene	75		5.853				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.967				ND	
73 Toluene	92		6.081				ND	
75 trans-1,3-Dichloropropene	75		6.289				ND	
78 1,1,2-Trichloroethane	83		6.434				ND	
79 Tetrachloroethene	166		6.485				ND	
81 2-Hexanone	43		6.599				ND	
82 Chlorodibromomethane	129		6.734				ND	
83 Ethylene Dibromide	107		6.817				ND	
86 Chlorobenzene	112		7.169				ND	
88 Ethylbenzene	91	7.232	7.232	0.000	97	29420	1.29	
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	192739	21.3	
91 o-Xylene	106	7.646	7.646	0.000	99	1611030	184.0	E
92 Styrene	104		7.667				ND	U
93 Bromoform	173		7.864				ND	
95 Isopropylbenzene	105	7.926	7.926	0.000	95	269844	9.77	
98 1,1,2,2-Tetrachloroethane	83		8.237				ND	
99 N-Propylbenzene	91	8.258	8.258	0.000	99	277567	8.05	
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	96	2879132	117.4	E
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	98	5083150	205.2	E
110 1,3-Dichlorobenzene	146		8.962				ND	
113 1,4-Dichlorobenzene	146		9.035				ND	
116 1,2-Dichlorobenzene	146		9.346				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.019				ND	
119 1,2,4-Trichlorobenzene	180		10.662				ND	
S 126 Xylenes, Total	1				0		205.3	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00189

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0738.D

Injection Date: 10-May-2019 02:45:30

Instrument ID: HP5975T

Operator ID: AEM

Lims ID: 480-152909-A-8

Lab Sample ID: 480-152909-8

Worklist Smp#: 17

Client ID: IW7-050119

Purge Vol: 5.000 mL

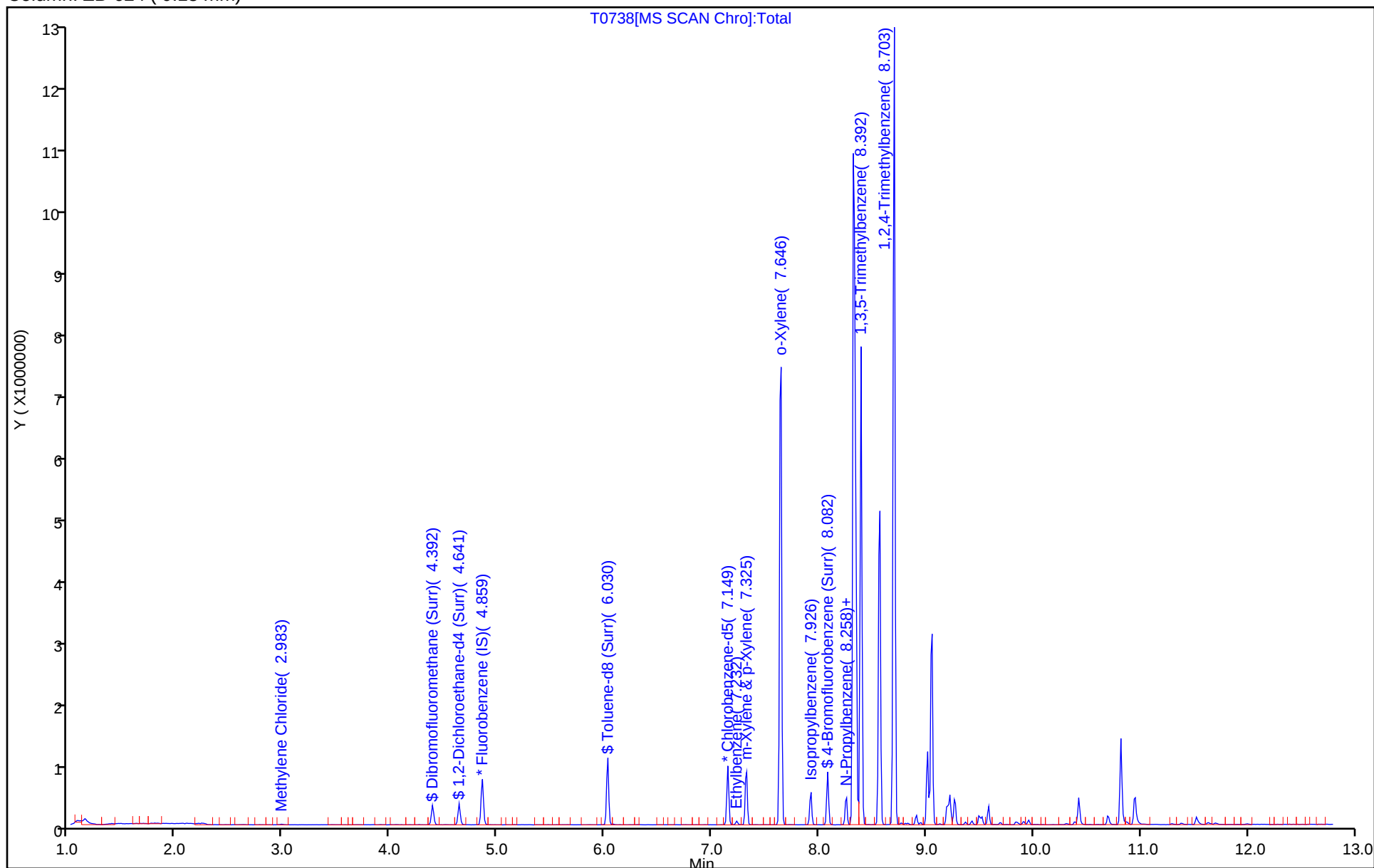
Dil. Factor: 10.0000

ALS Bottle#: 16

Method: T-8260

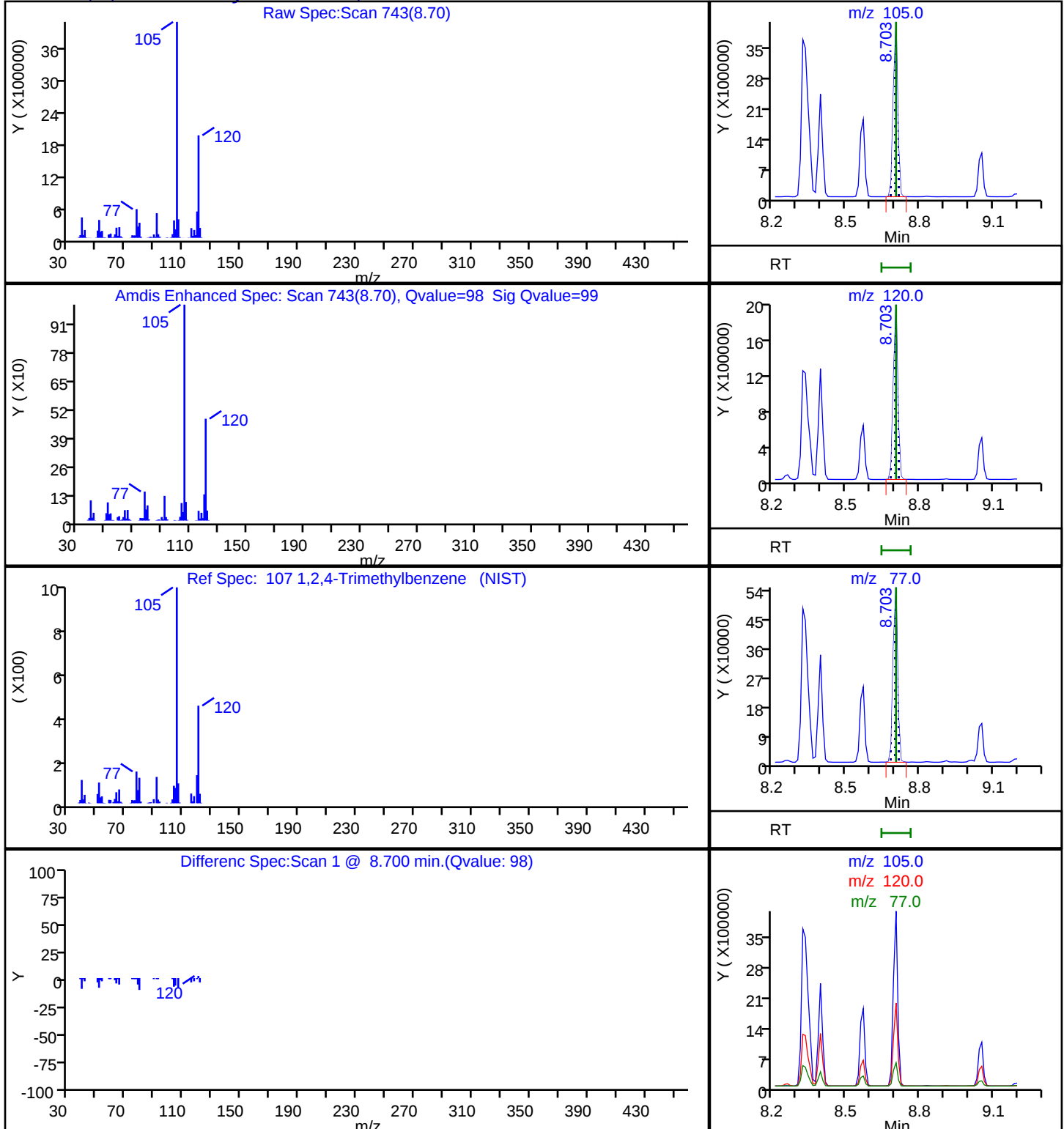
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



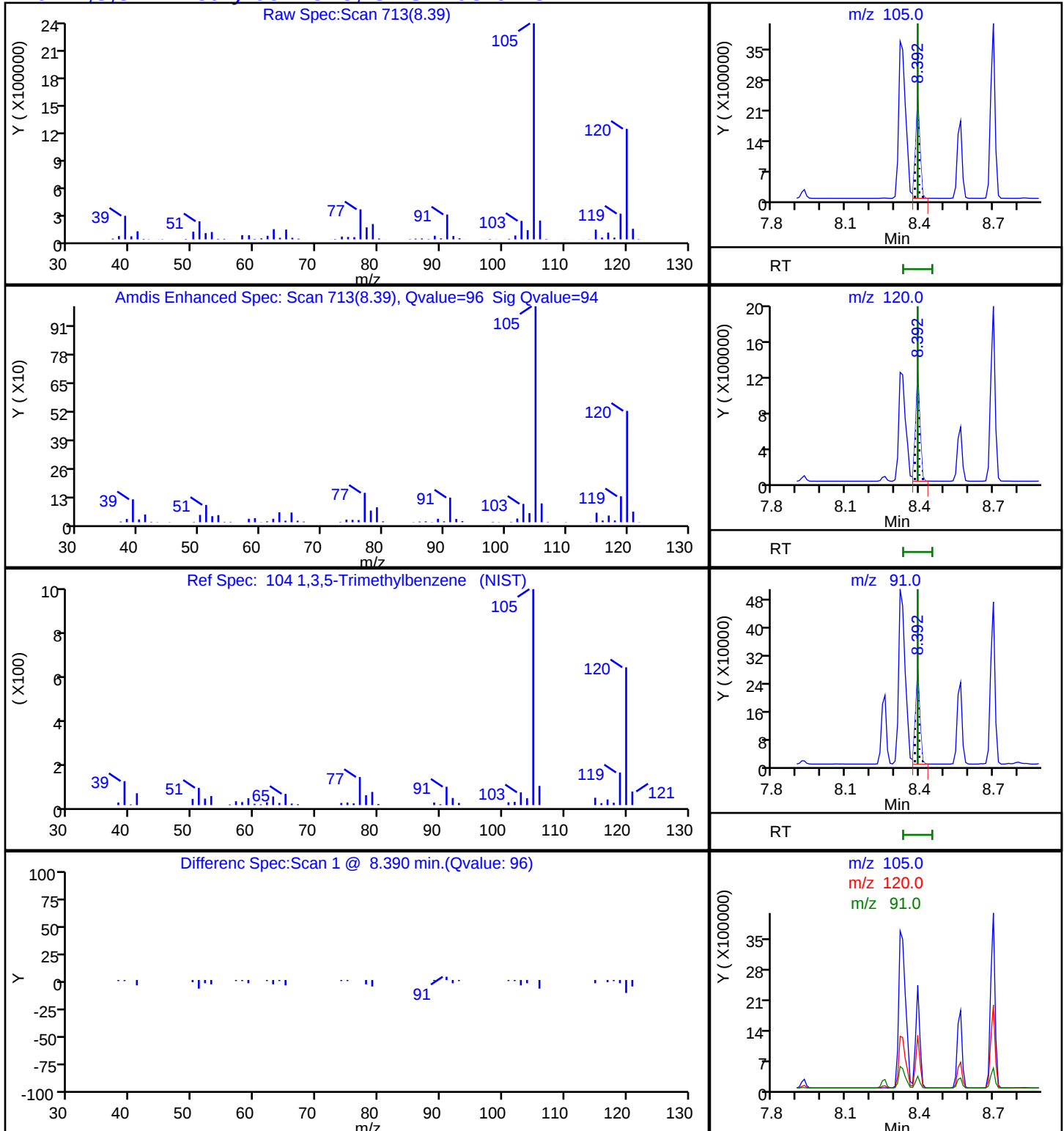
Eurofins TestAmerica, Buffalo

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Injection Date: 10-May-2019 02:45:30 Instrument ID: HP5975T
Lims ID: 480-152909-A-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: AEM ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

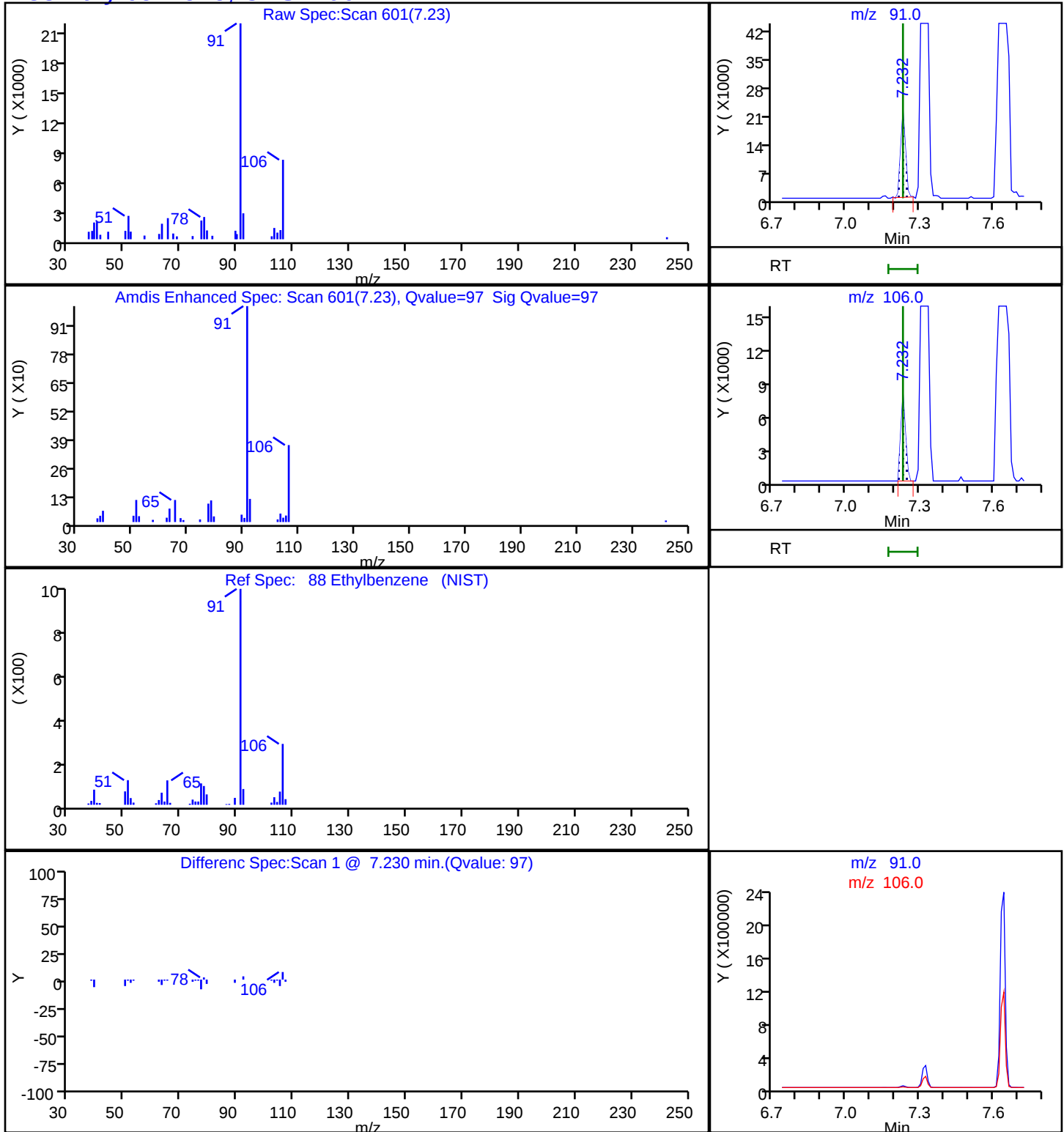
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Injection Date: 10-May-2019 02:45:30 Instrument ID: HP5975T
Lims ID: 480-152909-A-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: AEM ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

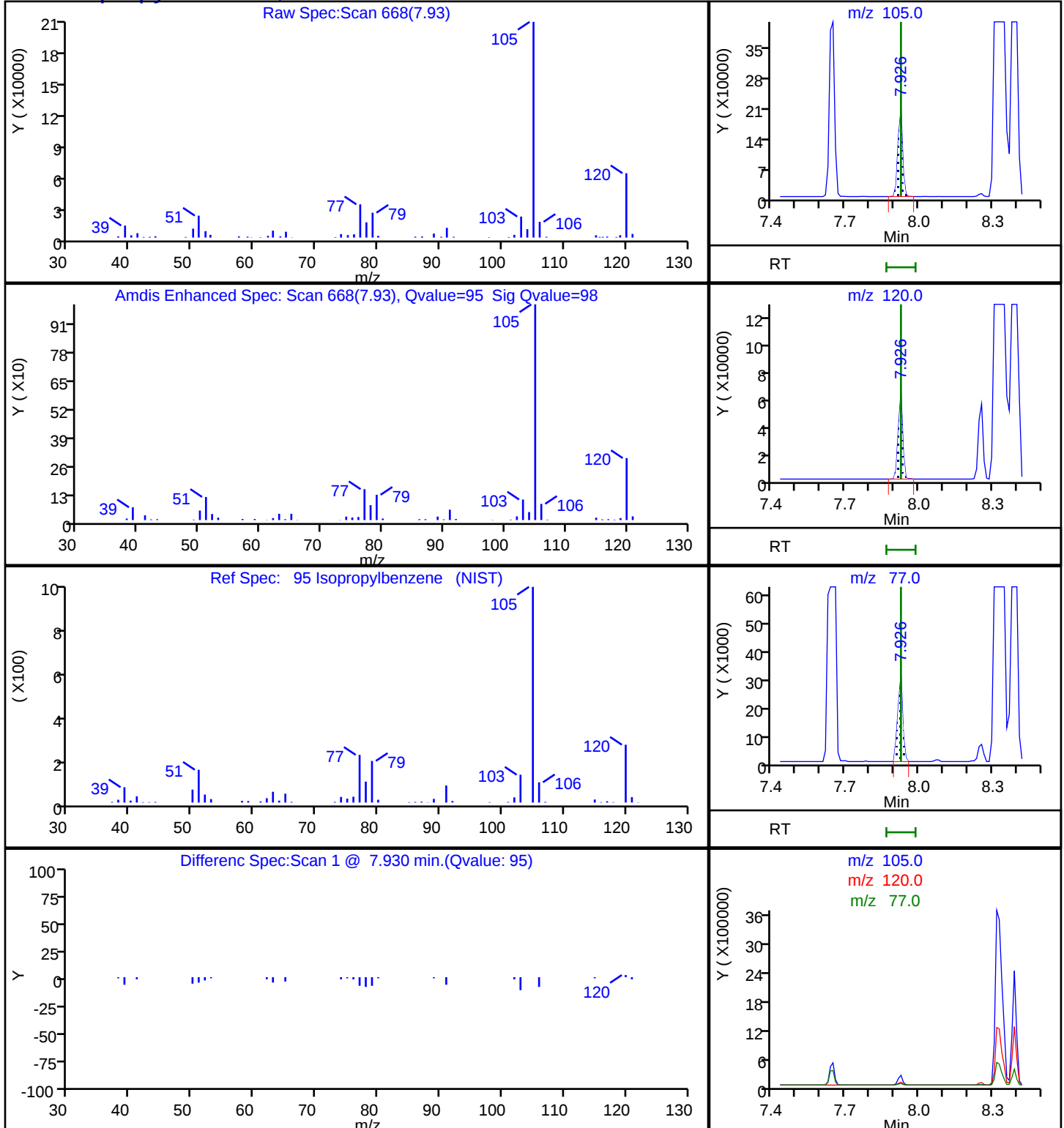
Eurofins TestAmerica, Buffalo

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Injection Date: 10-May-2019 02:45:30 Instrument ID: HP5975T
Lims ID: 480-152909-A-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: AEM ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

88 Ethylbenzene, CAS: 100-41-4

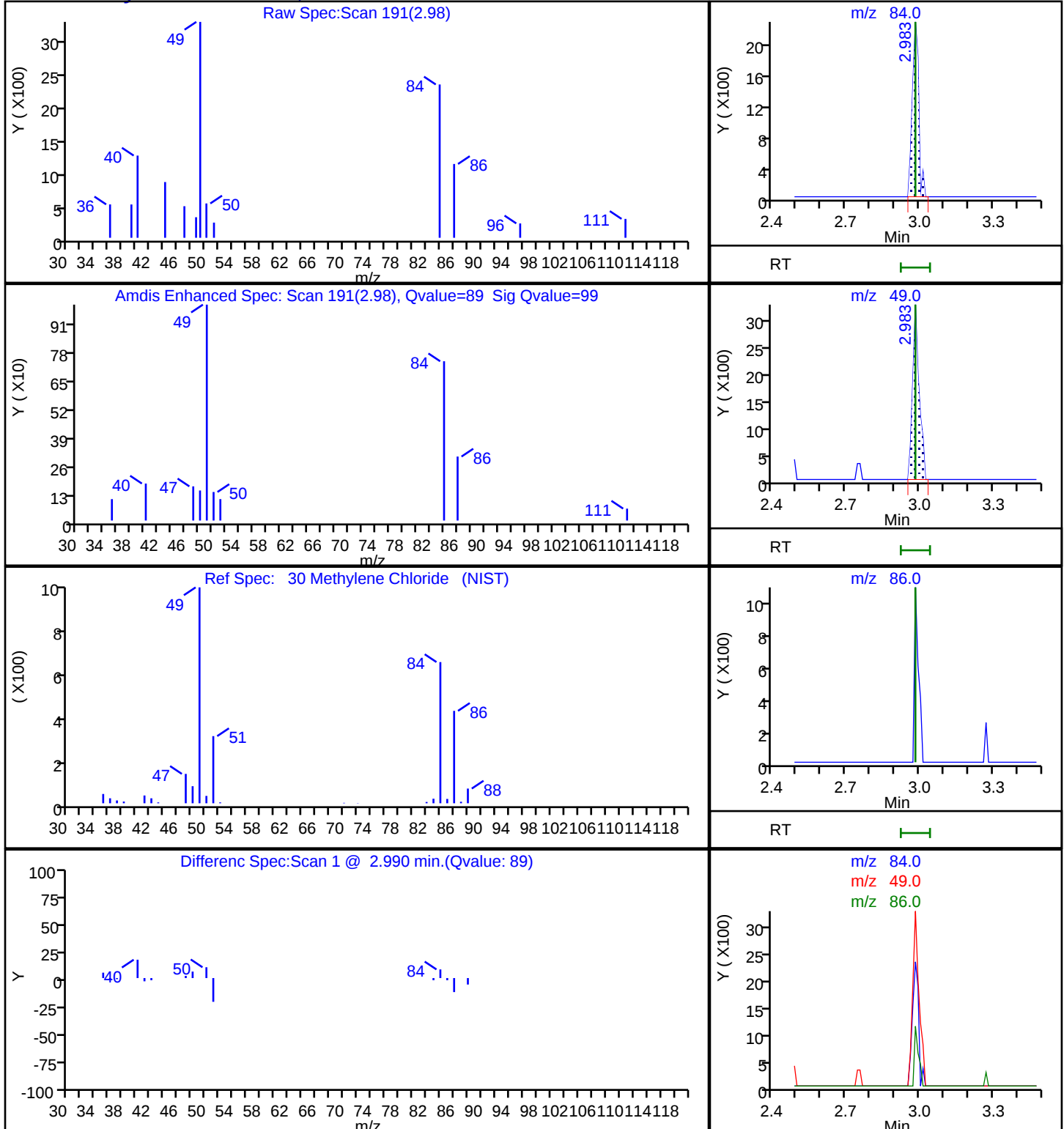
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Injection Date: 10-May-2019 02:45:30 Instrument ID: HP5975T
Lims ID: 480-152909-A-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: AEM ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

95 Isopropylbenzene, CAS: 98-82-8

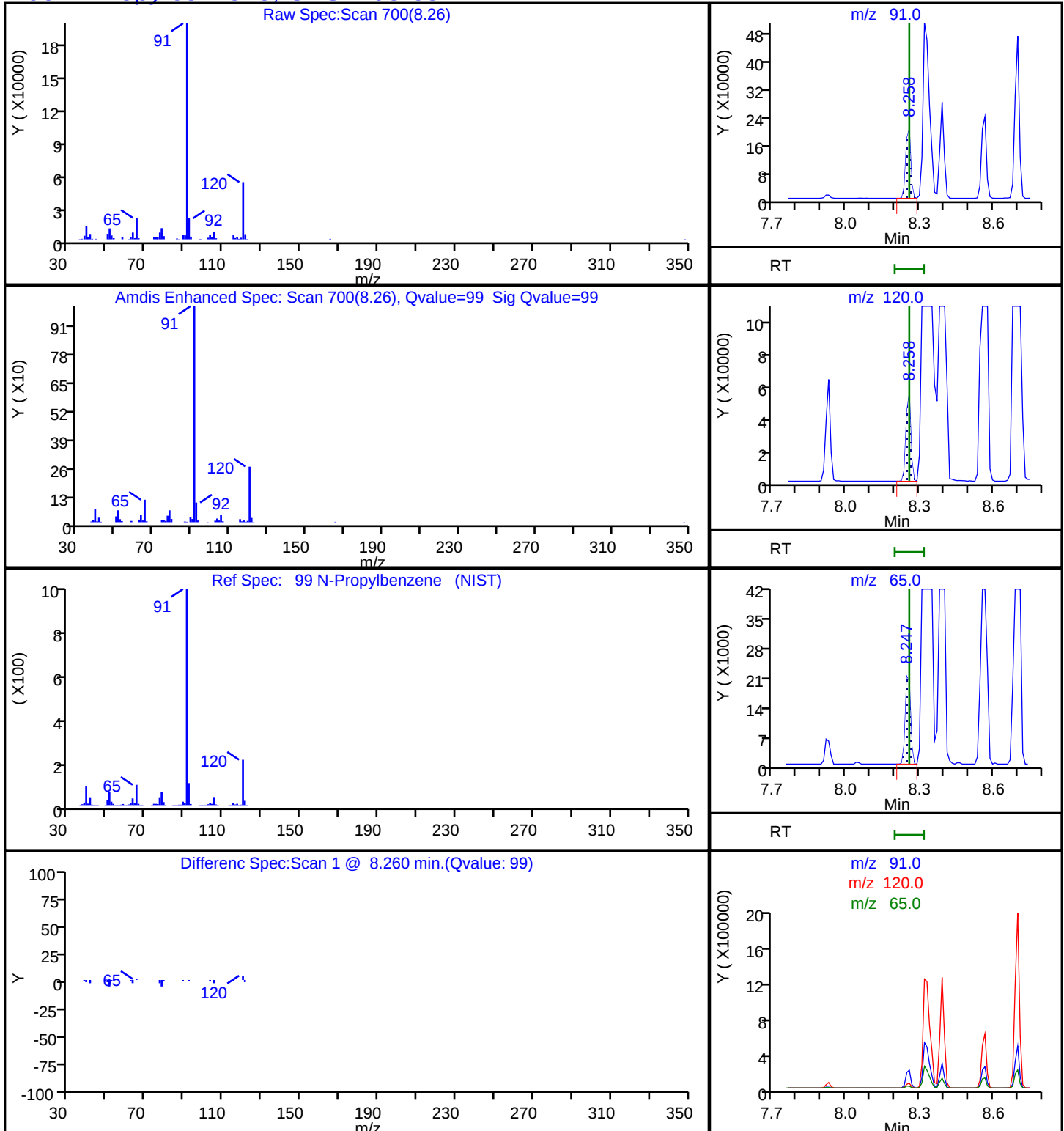
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Injection Date: 10-May-2019 02:45:30 Instrument ID: HP5975T
Lims ID: 480-152909-A-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: AEM ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0738.D
Injection Date: 10-May-2019 02:45:30 Instrument ID: HP5975T
Lims ID: 480-152909-A-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: AEM ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0738.D

Injection Date: 10-May-2019 02:45:30

Instrument ID: HP5975T

Lims ID: 480-152909-A-8

Lab Sample ID: 480-152909-8

Client ID: IW7-050119

Operator ID: AEM

ALS Bottle#: 16

Worklist Smp#: 17

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

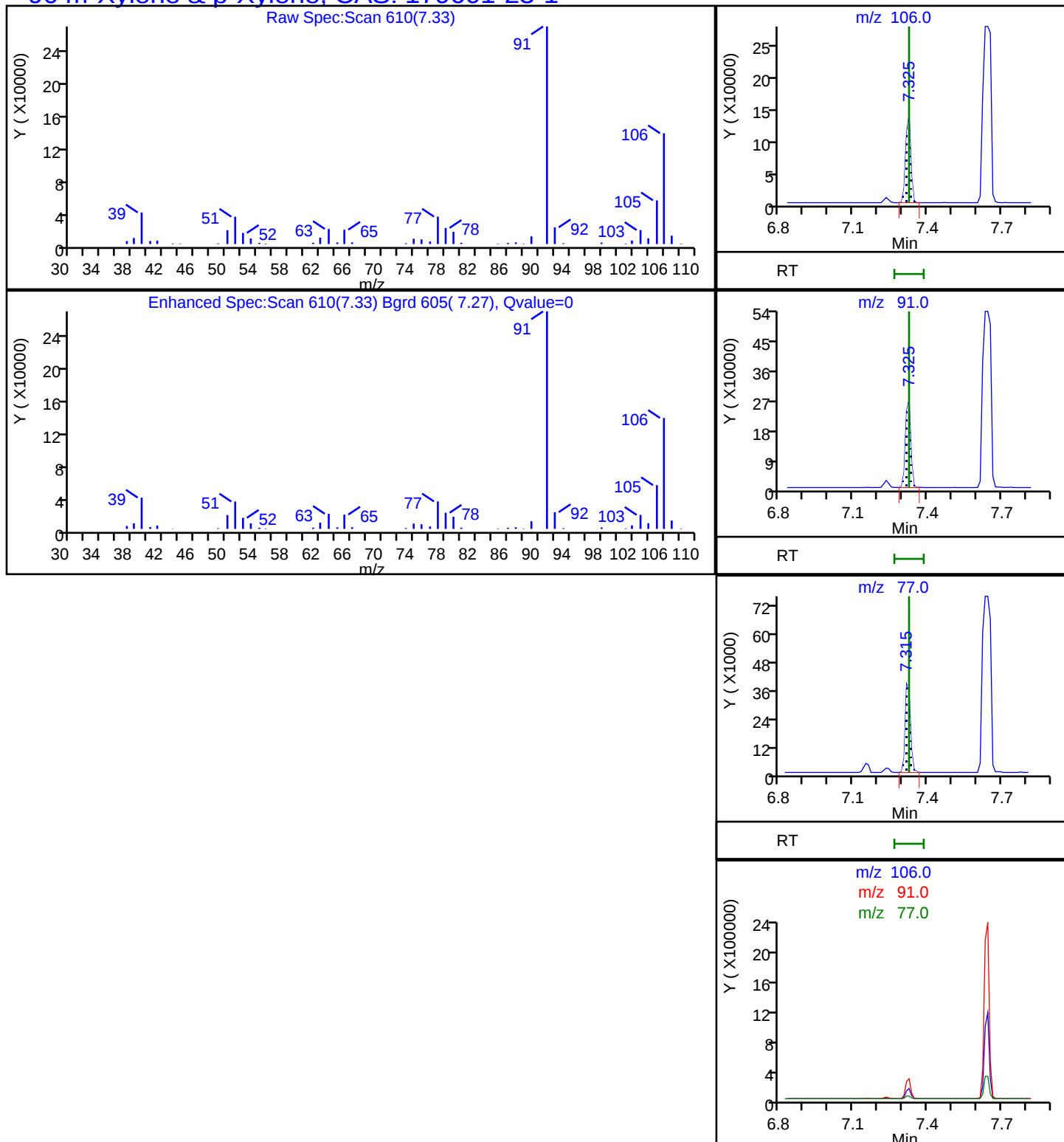
Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

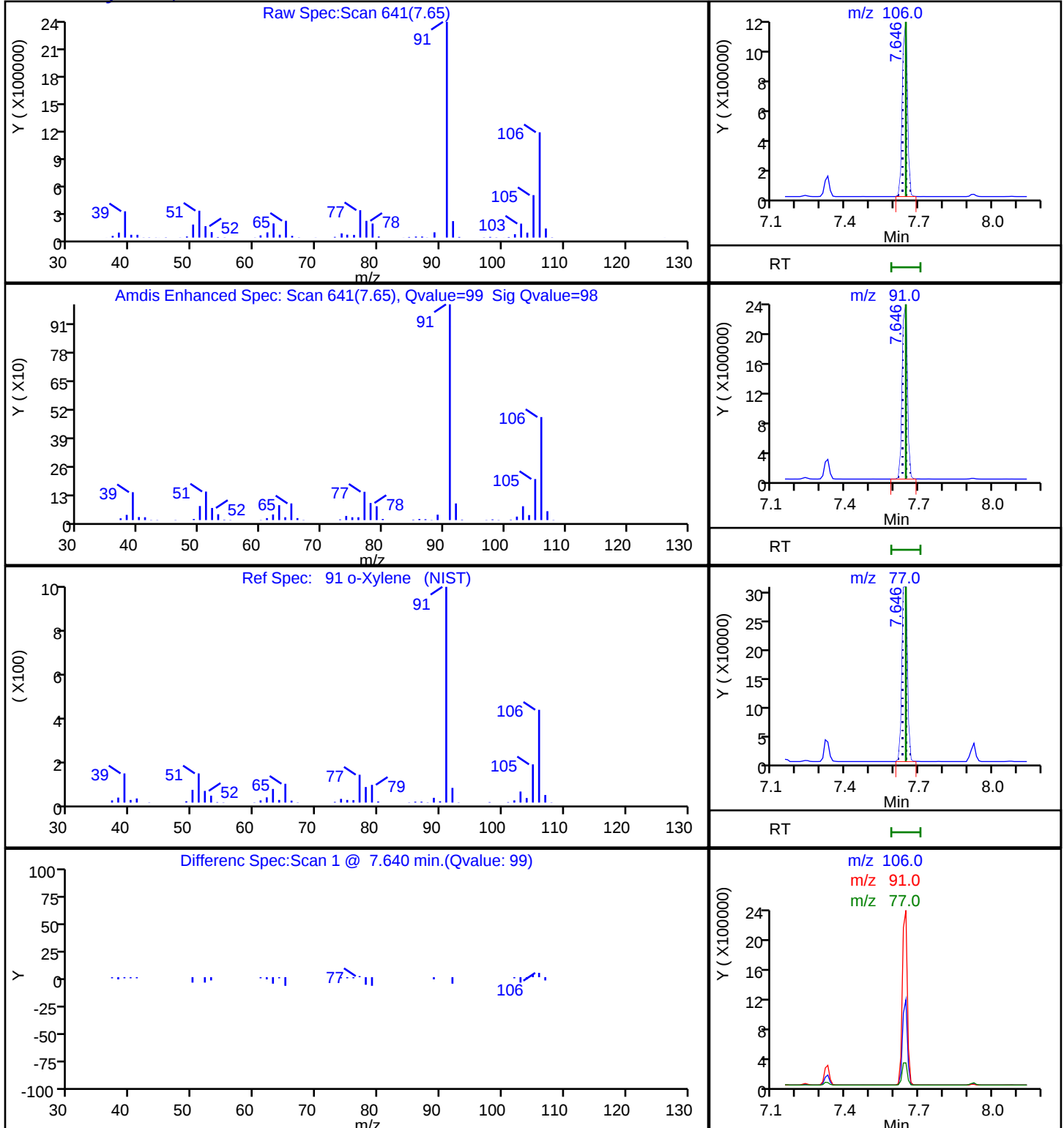
Detector: MS SCAN

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



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0738.D
Injection Date: 10-May-2019 02:45:30 Instrument ID: HP5975T
Lims ID: 480-152909-A-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: AEM ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

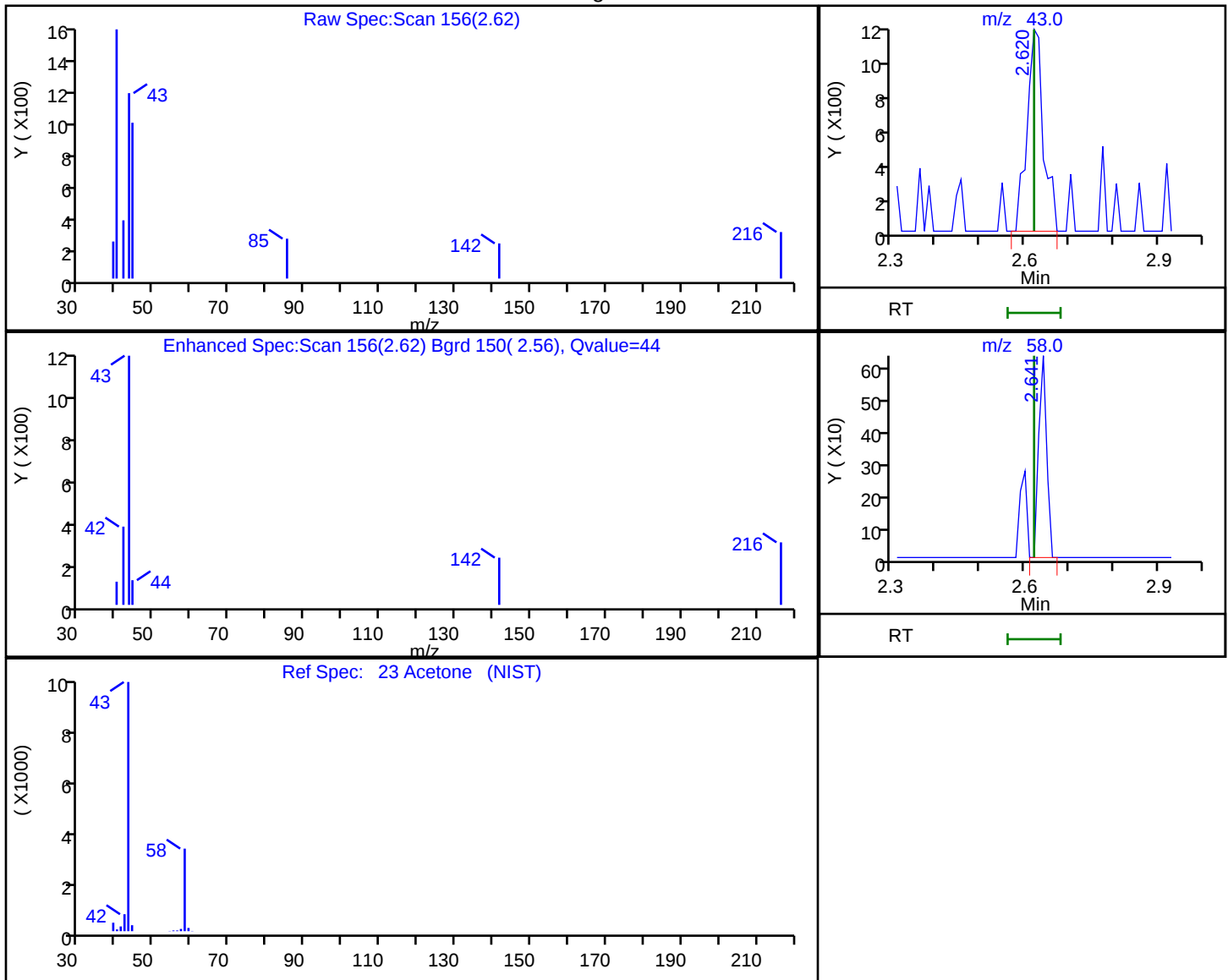
91 o-Xylene, CAS: 95-47-6

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0738.D
Injection Date: 10-May-2019 02:45:30 Instrument ID: HP5975T
Lims ID: 480-152909-A-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: AEM ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.62	43.00	3029	2.184071
2.64	58.00	793	

Reviewer: nowakk, 10-May-2019 09:05:23

Audit Action: Marked Compound Undetected

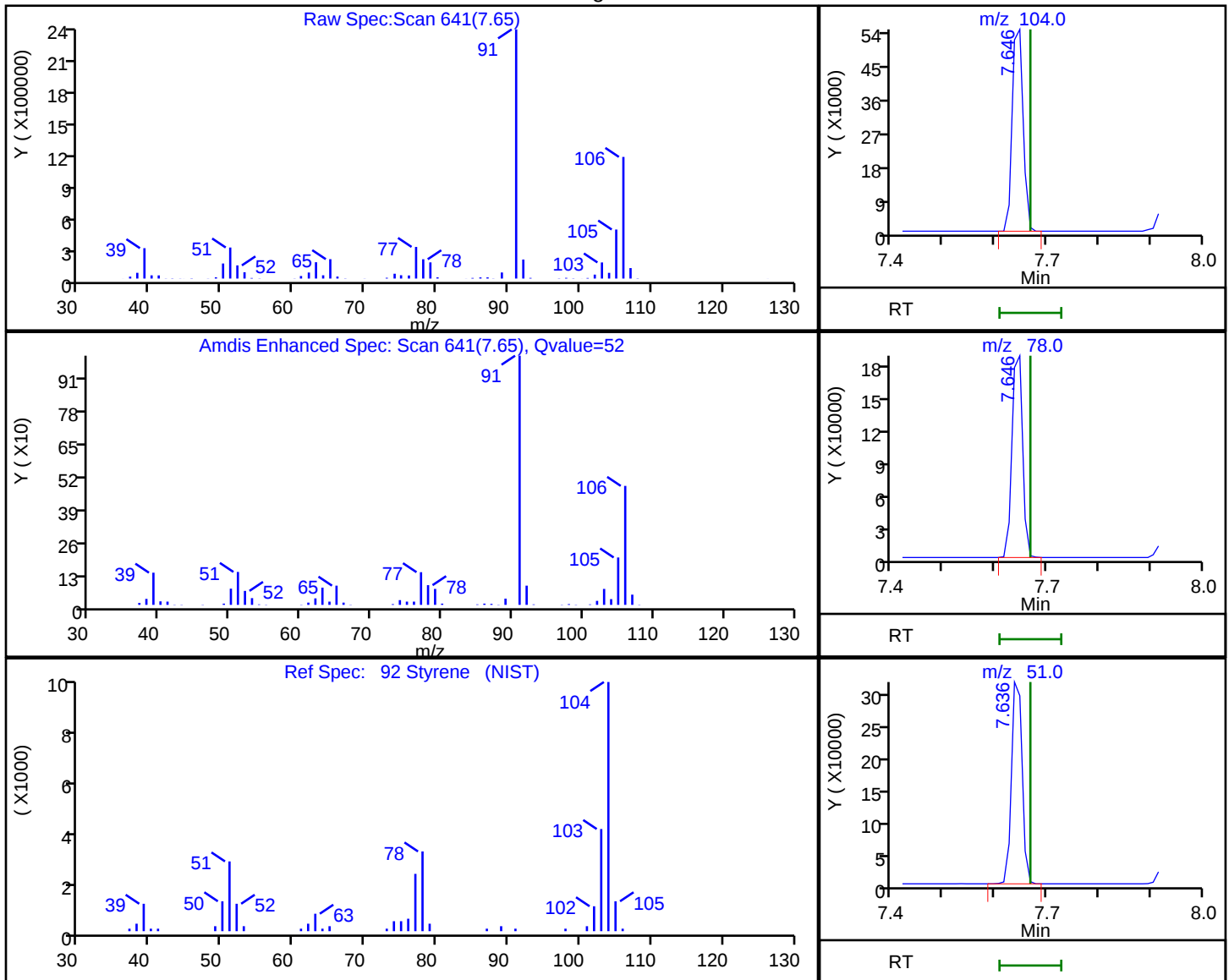
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0738.D
Injection Date: 10-May-2019 02:45:30 Instrument ID: HP5975T
Lims ID: 480-152909-A-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: AEM ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

92 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
7.65	104.00	80668	5.397360
7.65	78.00	265454	
7.64	51.00	457134	

Reviewer: nowakk, 10-May-2019 09:05:41

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-152909-1</u>
SDG No.: _____	
Client Sample ID: <u>IW7-050119 DL</u>	Lab Sample ID: <u>480-152909-8 DL</u>
Matrix: <u>Water</u>	Lab File ID: <u>T0757.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>05/01/2019 03:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>05/10/2019 13:00</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>50</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>472206</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	*	50	41
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16
79-00-5	1,1,2-Trichloroethane	ND		50	12
75-34-3	1,1-Dichloroethane	ND	*	50	19
75-35-4	1,1-Dichloroethene	ND		50	15
120-82-1	1,2,4-Trichlorobenzene	ND		50	21
95-63-6	1,2,4-Trimethylbenzene	2100		50	38
96-12-8	1,2-Dibromo-3-Chloropropane	ND		50	20
106-93-4	1,2-Dibromoethane	ND		50	37
95-50-1	1,2-Dichlorobenzene	ND		50	40
107-06-2	1,2-Dichloroethane	ND	*	50	11
78-87-5	1,2-Dichloropropane	ND	*	50	36
108-67-8	1,3,5-Trimethylbenzene	1300		50	39
541-73-1	1,3-Dichlorobenzene	ND		50	39
106-46-7	1,4-Dichlorobenzene	ND		50	42
78-93-3	2-Butanone (MEK)	ND		500	66
591-78-6	2-Hexanone	ND		250	62
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	110
67-64-1	Acetone	ND		500	150
71-43-2	Benzene	ND		50	21
75-27-4	Bromodichloromethane	ND	*	50	20
75-25-2	Bromoform	ND	*	50	13
74-83-9	Bromomethane	ND		50	35
75-15-0	Carbon disulfide	ND		50	9.5
56-23-5	Carbon tetrachloride	ND	*	50	14
108-90-7	Chlorobenzene	ND		50	38
75-00-3	Chloroethane	ND	*	50	16
67-66-3	Chloroform	ND		50	17
74-87-3	Chloromethane	ND	*	50	18
156-59-2	cis-1,2-Dichloroethene	ND		50	41
10061-01-5	cis-1,3-Dichloropropene	ND	*	50	18
110-82-7	Cyclohexane	ND		50	9.0
124-48-1	Dibromochloromethane	ND	*	50	16
75-71-8	Dichlorodifluoromethane	ND		50	34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: IW7-050119 DL Lab Sample ID: 480-152909-8 DL
 Matrix: Water Lab File ID: T0757.D
 Analysis Method: 8260C Date Collected: 05/01/2019 03:00
 Sample wt/vol: 5 (mL) Date Analyzed: 05/10/2019 13:00
 Soil Aliquot Vol: _____ Dilution Factor: 50
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472206 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		50	37
98-82-8	Isopropylbenzene	120		50	40
79-20-9	Methyl acetate	ND		130	65
1634-04-4	Methyl tert-butyl ether	ND		50	8.0
108-87-2	Methylcyclohexane	ND		50	8.0
75-09-2	Methylene Chloride	ND		50	22
103-65-1	N-Propylbenzene	96		50	35
100-42-5	Styrene	ND		50	37
127-18-4	Tetrachloroethene	ND	*	50	18
108-88-3	Toluene	ND		50	26
156-60-5	trans-1,2-Dichloroethene	ND		50	45
10061-02-6	trans-1,3-Dichloropropene	ND		50	19
79-01-6	Trichloroethene	ND		50	23
75-69-4	Trichlorofluoromethane	ND		50	44
75-01-4	Vinyl chloride	ND		50	45
1330-20-7	Xylenes, Total	2000		100	33

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		77-120
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
1868-53-7	Dibromofluoromethane (Surr)	112		75-123
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0757.D
 Lims ID: 480-152909-B-8
 Client ID: IW7-050119
 Sample Type: Client
 Inject. Date: 10-May-2019 13:00:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 50.0000
 Sample Info: 480-152909-B-8
 Misc. Info.: 480-0080970-009
 Operator ID: kn Instrument ID: HP5975T
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-May-2019 15:10:34 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0302

First Level Reviewer: nowakk

Date: 10-May-2019 15:10:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.858	4.859	-0.001	98	126158	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	87	517106	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	94	297022	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.403	-0.011	91	184093	28.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	206626	27.1	
\$ 6 Toluene-d8 (Surr)	98	6.029	6.030	-0.001	95	720217	26.2	
\$ 7 4-Bromofluorobenzene (Surr	174	8.081	8.081	-0.001	0	222715	27.3	
11 Dichlorodifluoromethane	85		1.304				ND	
13 Chloromethane	50		1.449				ND	U
14 Vinyl chloride	62		1.532				ND	U
15 Bromomethane	94		1.801				ND	
16 Chloroethane	64		1.843				ND	
17 Trichlorofluoromethane	101		2.102				ND	U
22 1,1-Dichloroethene	96		2.516				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.537				ND	
23 Acetone	43		2.630				ND	
25 Carbon disulfide	76		2.703				ND	
28 Methyl acetate	43		2.900				ND	
30 Methylene Chloride	84	2.993	2.993	0.000	23	2471	0.3290	
33 Methyl tert-butyl ether	73		3.190				ND	
32 trans-1,2-Dichloroethene	96		3.190				ND	
36 1,1-Dichloroethane	63		3.553				ND	
43 cis-1,2-Dichloroethene	96		4.019				ND	
44 2-Butanone (MEK)	43		4.040				ND	
50 Chloroform	83		4.268				ND	
51 1,1,1-Trichloroethane	97		4.371				ND	
52 Cyclohexane	56		4.371				ND	
53 Carbon tetrachloride	117		4.475				ND	
55 Benzene	78		4.651				ND	
57 1,2-Dichloroethane	62		4.703				ND	
60 Trichloroethene	95		5.128				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.221				ND	
63 1,2-Dichloropropane	63		5.314				ND	
67 Dichlorobromomethane	83		5.542				ND	
71 cis-1,3-Dichloropropene	75		5.864				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.967				ND	
73 Toluene	92		6.081				ND	
75 trans-1,3-Dichloropropene	75		6.289				ND	
78 1,1,2-Trichloroethane	83		6.434				ND	
79 Tetrachloroethene	166		6.485				ND	
81 2-Hexanone	43		6.599				ND	
82 Chlorodibromomethane	129		6.734				ND	
83 Ethylene Dibromide	107		6.817				ND	
86 Chlorobenzene	112		7.169				ND	
88 Ethylbenzene	91		7.232				ND	U
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	58579	4.51	
91 o-Xylene	106	7.646	7.646	0.000	97	441257	35.1	
92 Styrene	104		7.667				ND	U
93 Bromoform	173		7.864				ND	
95 Isopropylbenzene	105	7.926	7.926	0.000	96	82987	2.38	
98 1,1,2,2-Tetrachloroethane	83		8.237				ND	
99 N-Propylbenzene	91	8.258	8.258	0.000	98	83484	1.92	
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	96	788389	25.5	
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	98	1320854	42.3	
110 1,3-Dichlorobenzene	146		8.962				ND	
113 1,4-Dichlorobenzene	146		9.035				ND	
116 1,2-Dichlorobenzene	146		9.346				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.019				ND	
119 1,2,4-Trichlorobenzene	180		10.662				ND	
S 126 Xylenes, Total	1				0		39.7	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00189

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0757.D

Injection Date: 10-May-2019 13:00:30

Instrument ID: HP5975T

Operator ID: kn

Lims ID: 480-152909-B-8

Lab Sample ID: 480-152909-8

Worklist Smp#: 9

Client ID: IW7-050119

Purge Vol: 5.000 mL

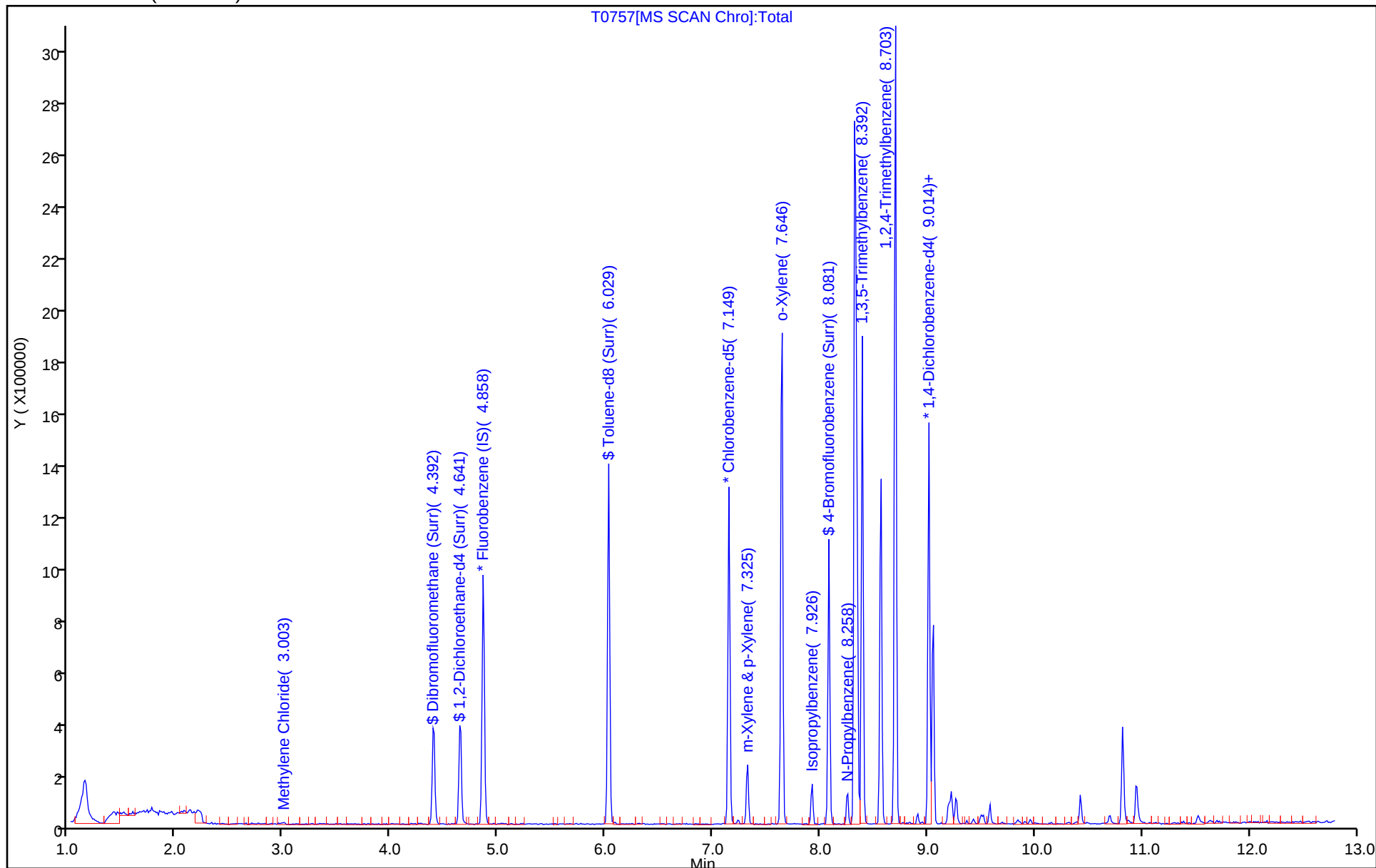
Dil. Factor: 50.0000

ALS Bottle#: 8

Method: T-8260

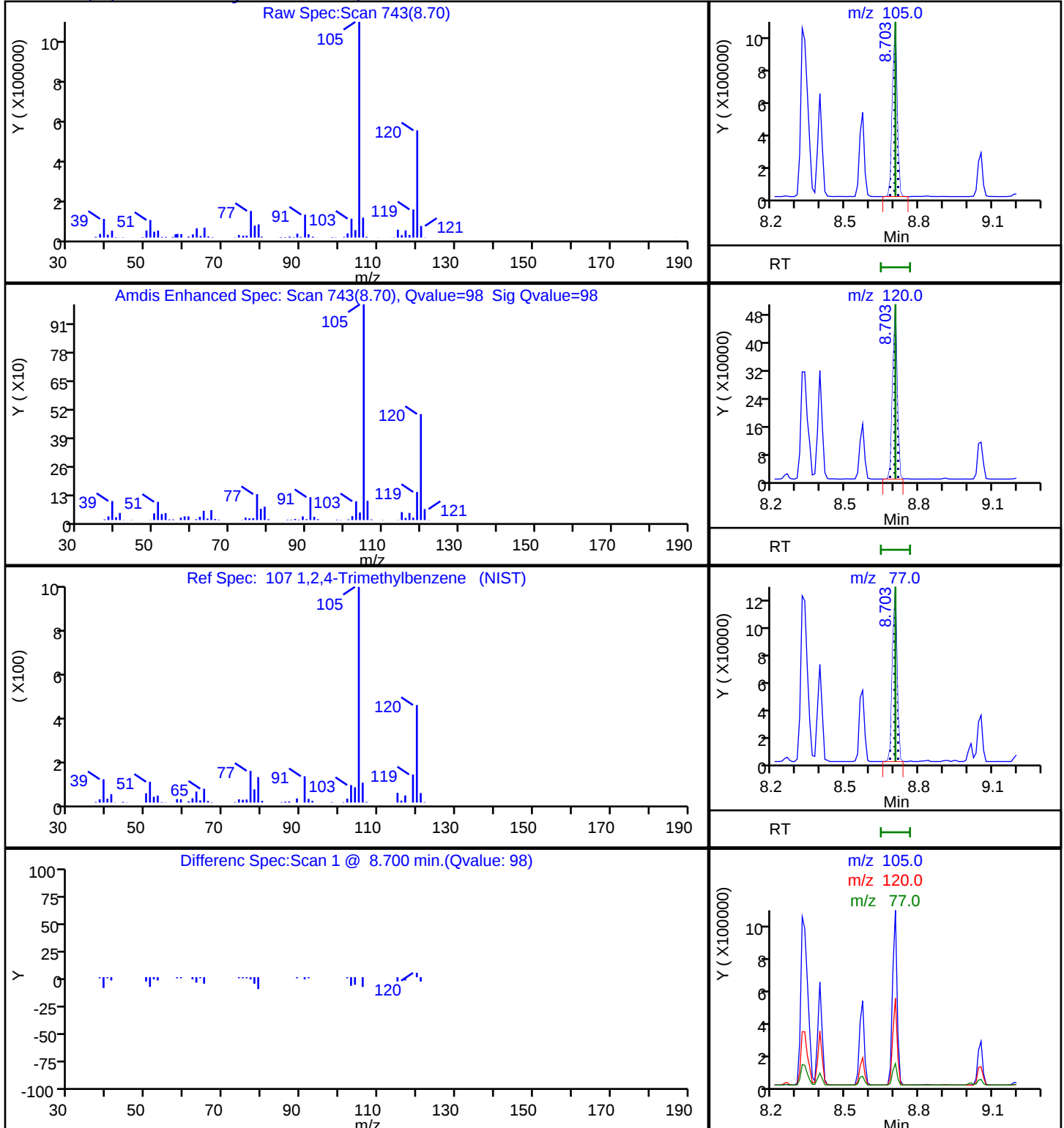
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



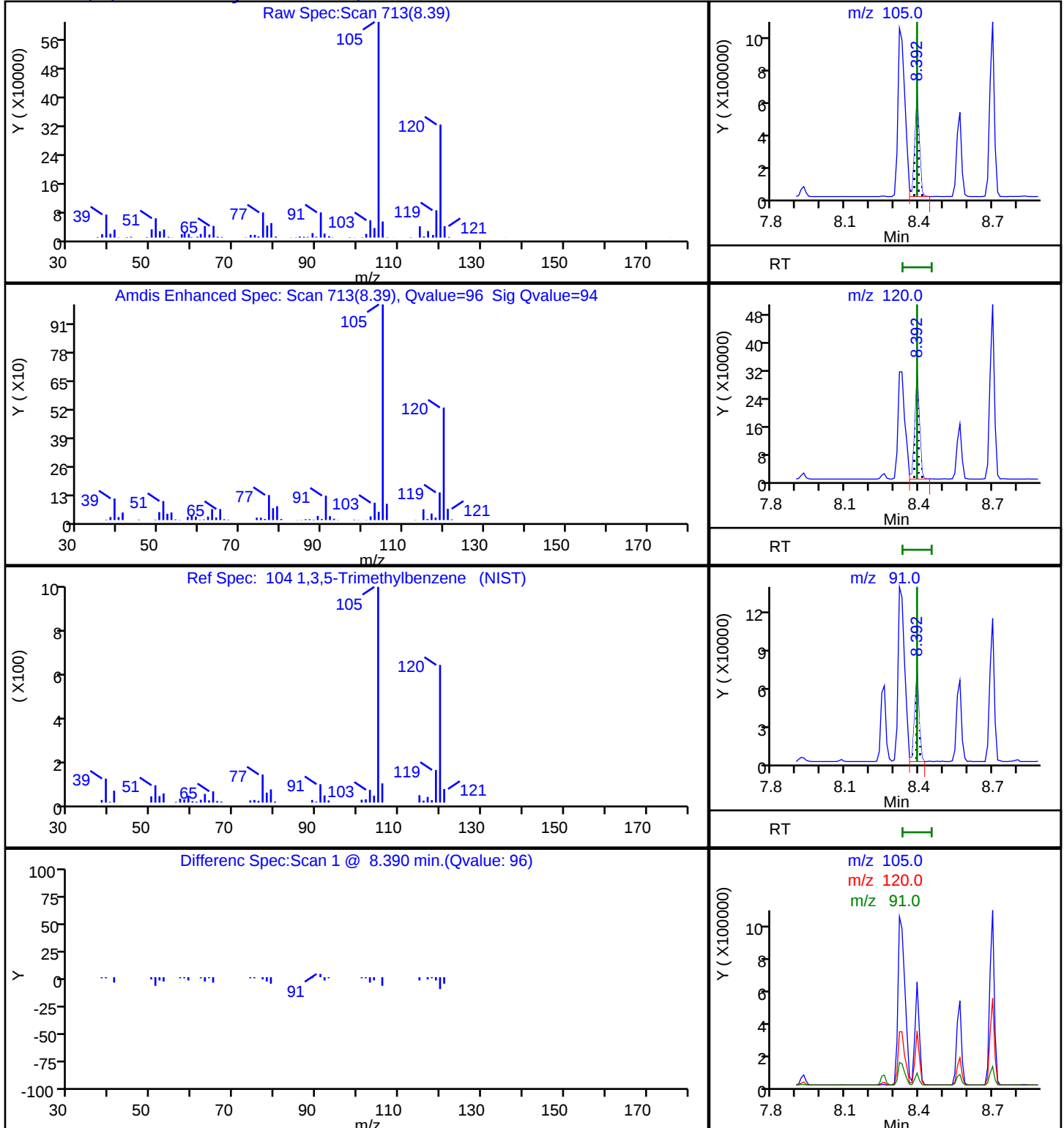
Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0757.D
Injection Date: 10-May-2019 13:00:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: kn ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

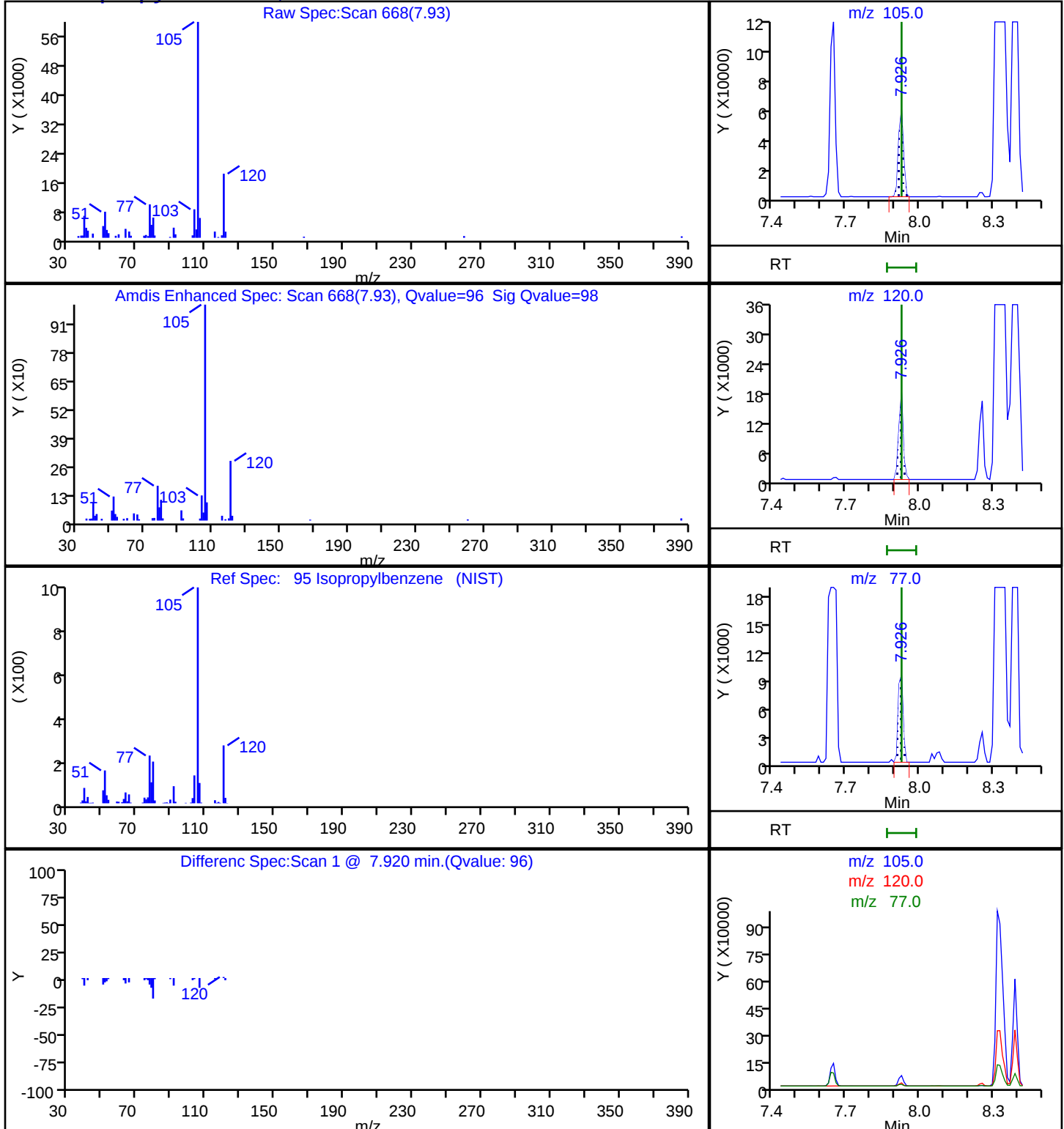
Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0757.D
Injection Date: 10-May-2019 13:00:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: kn ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

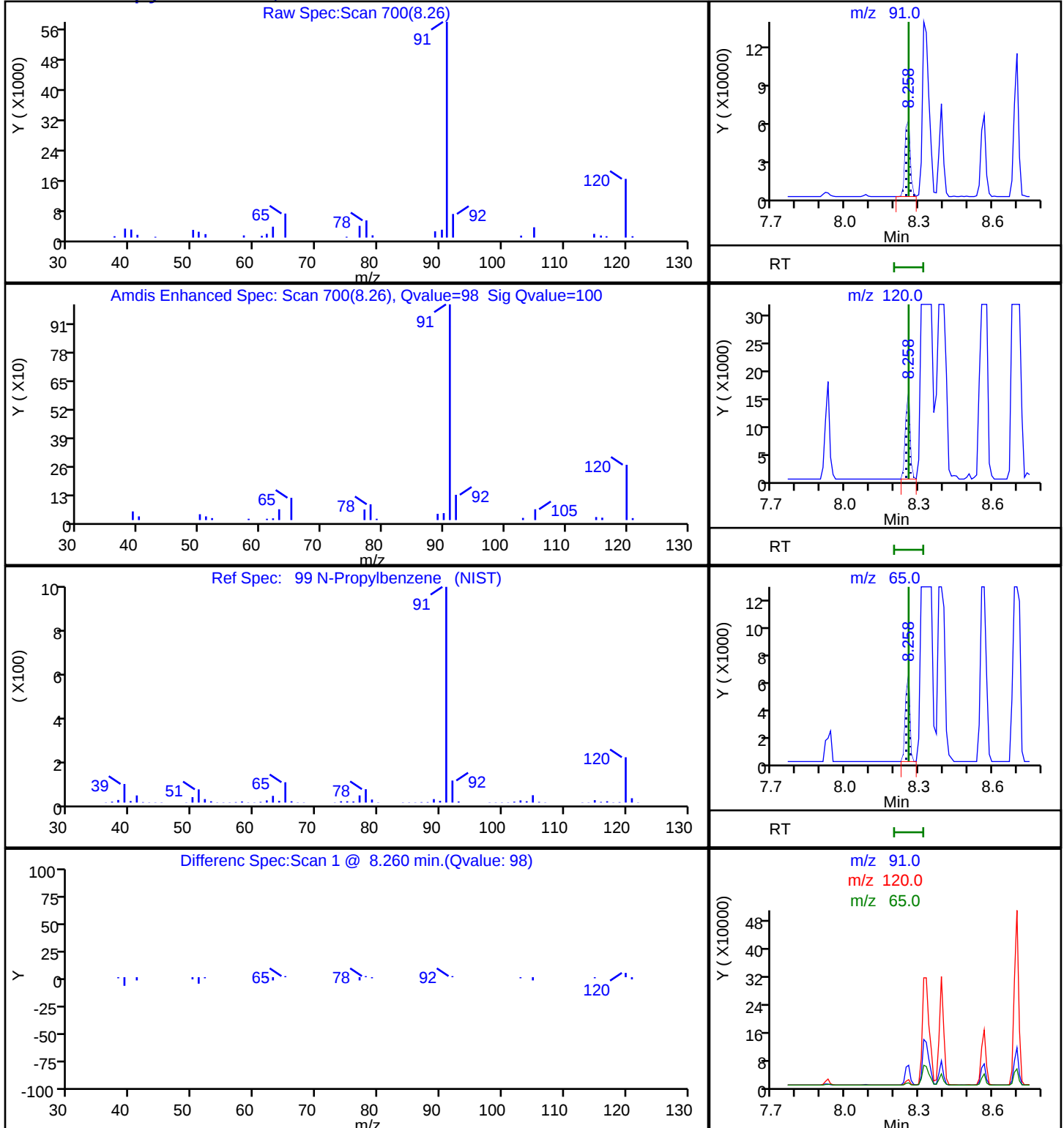
Eurofins TestAmerica, Buffalo

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Injection Date: 10-May-2019 13:00:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: kn ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

95 Isopropylbenzene, CAS: 98-82-8

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0757.D
Injection Date: 10-May-2019 13:00:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: kn ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0757.D

Injection Date: 10-May-2019 13:00:30

Instrument ID: HP5975T

Lims ID: 480-152909-B-8

Lab Sample ID: 480-152909-8

Client ID: IW7-050119

Operator ID: kn

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 5.000 mL

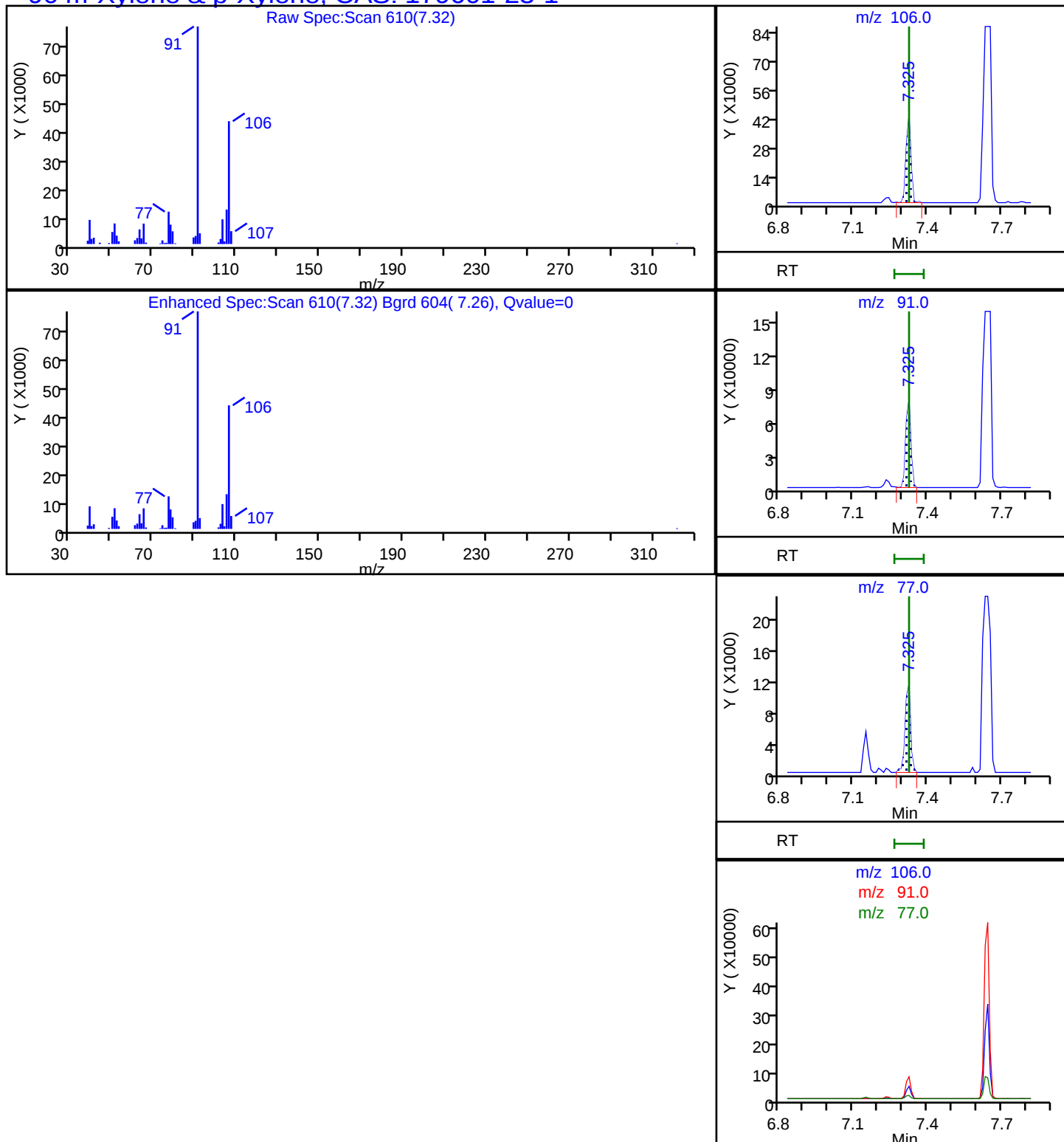
Dil. Factor: 50.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

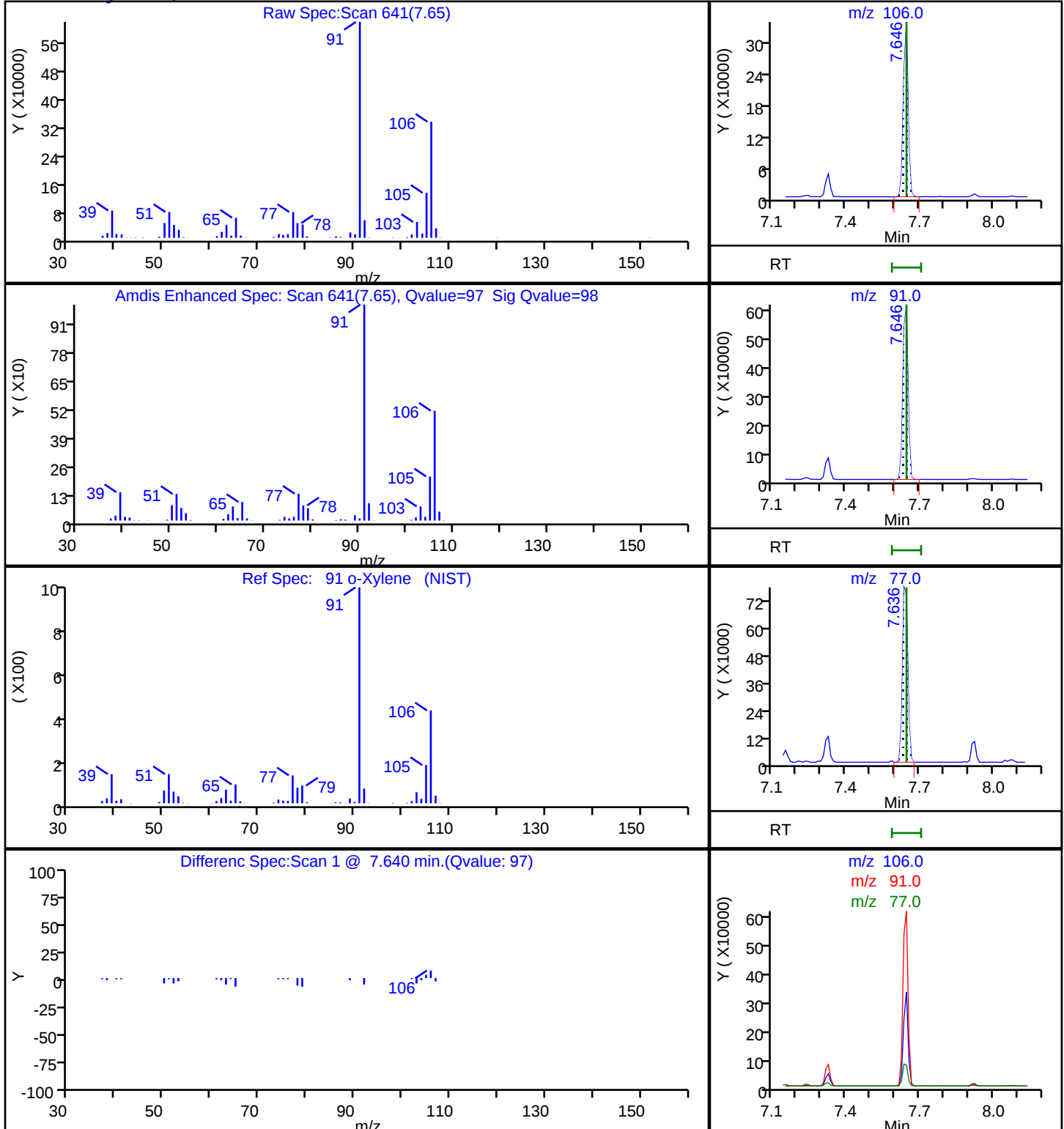
Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0757.D
Injection Date: 10-May-2019 13:00:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: kn ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

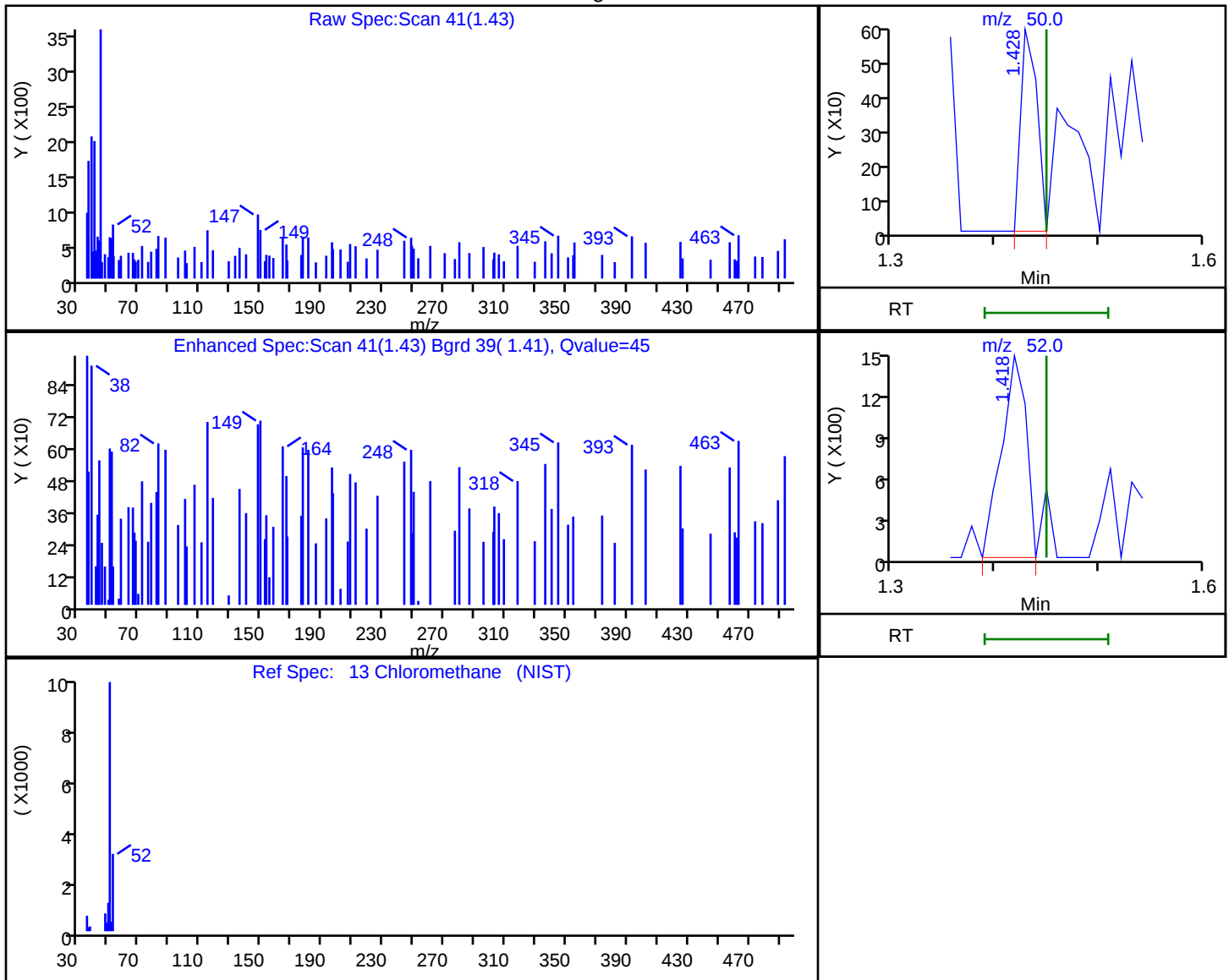
91 o-Xylene, CAS: 95-47-6

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0757.D
Injection Date: 10-May-2019 13:00:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: kn ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

13 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.43	50.00	649	0.072442
1.42	52.00	2406	

Reviewer: nowakk, 10-May-2019 15:10:01

Audit Action: Marked Compound Undetected

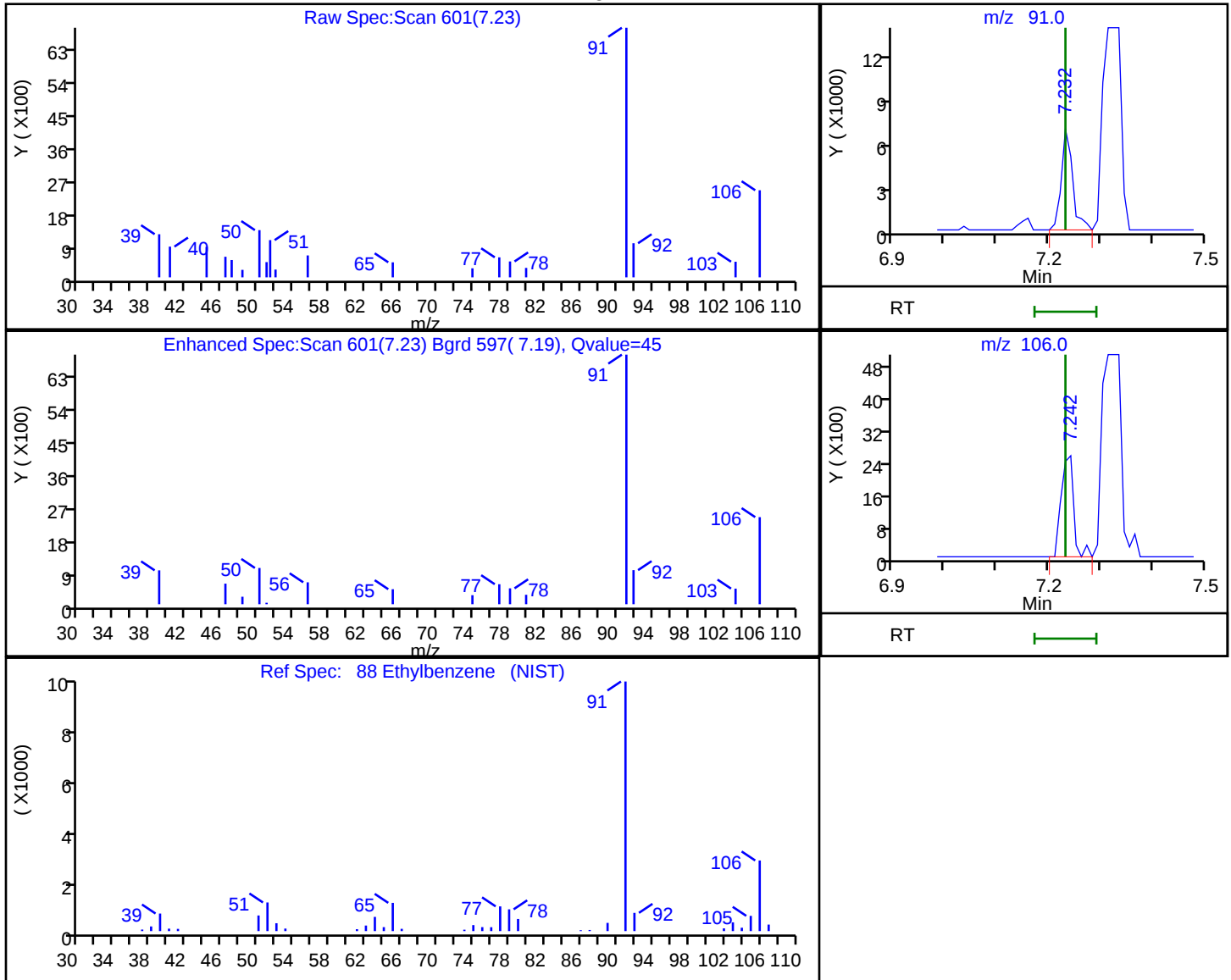
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0757.D
Injection Date: 10-May-2019 13:00:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: kn ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

88 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
7.23	91.00	10386	0.316448
7.24	106.00	4217	

Reviewer: nowakk, 10-May-2019 15:10:13

Audit Action: Marked Compound Undetected

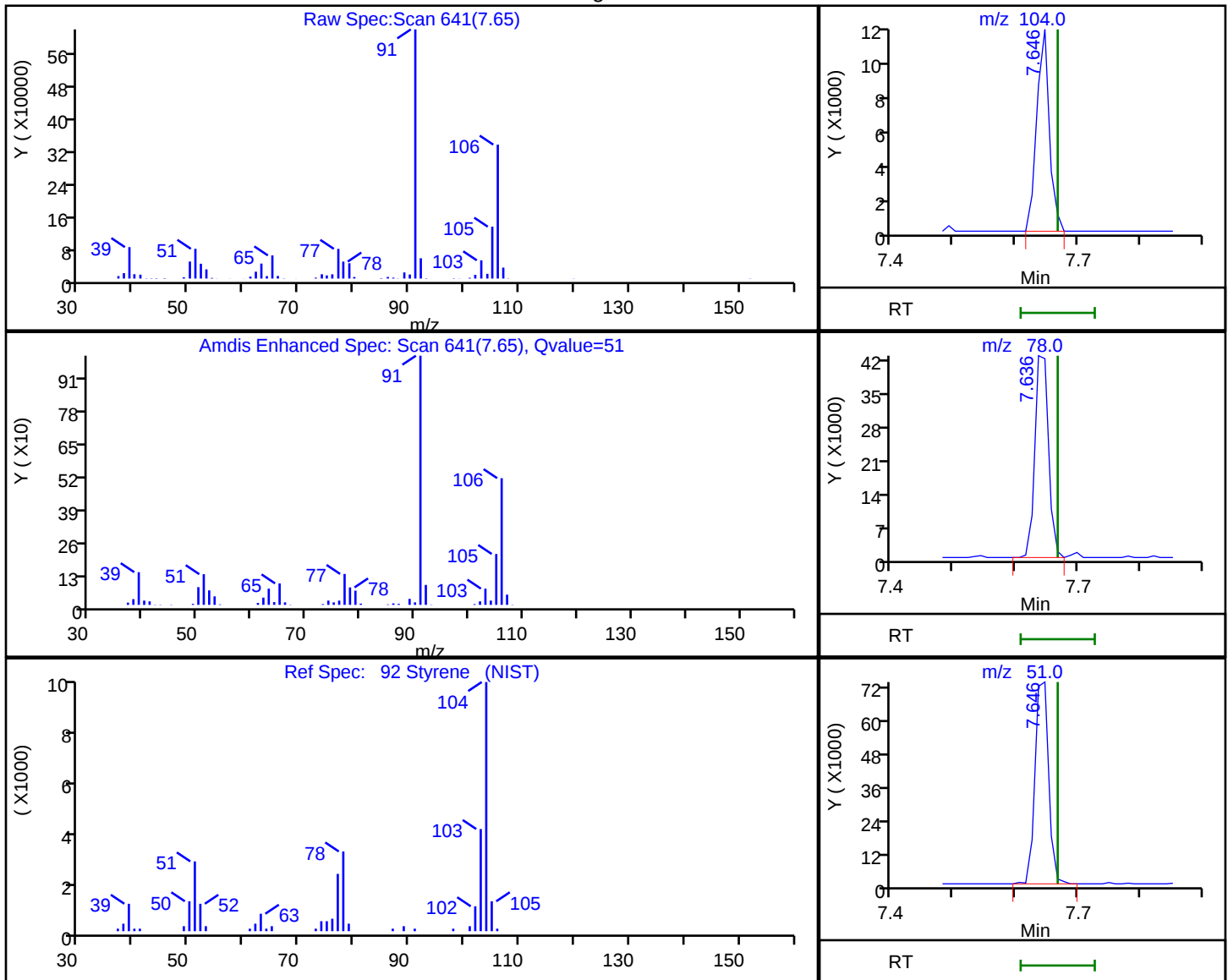
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0757.D
Injection Date: 10-May-2019 13:00:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: kn ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

92 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
7.65	104.00	16510	0.770345
7.64	78.00	65621	
7.65	51.00	113288	

Reviewer: nowakk, 10-May-2019 15:10:18

Audit Action: Marked Compound Undetected

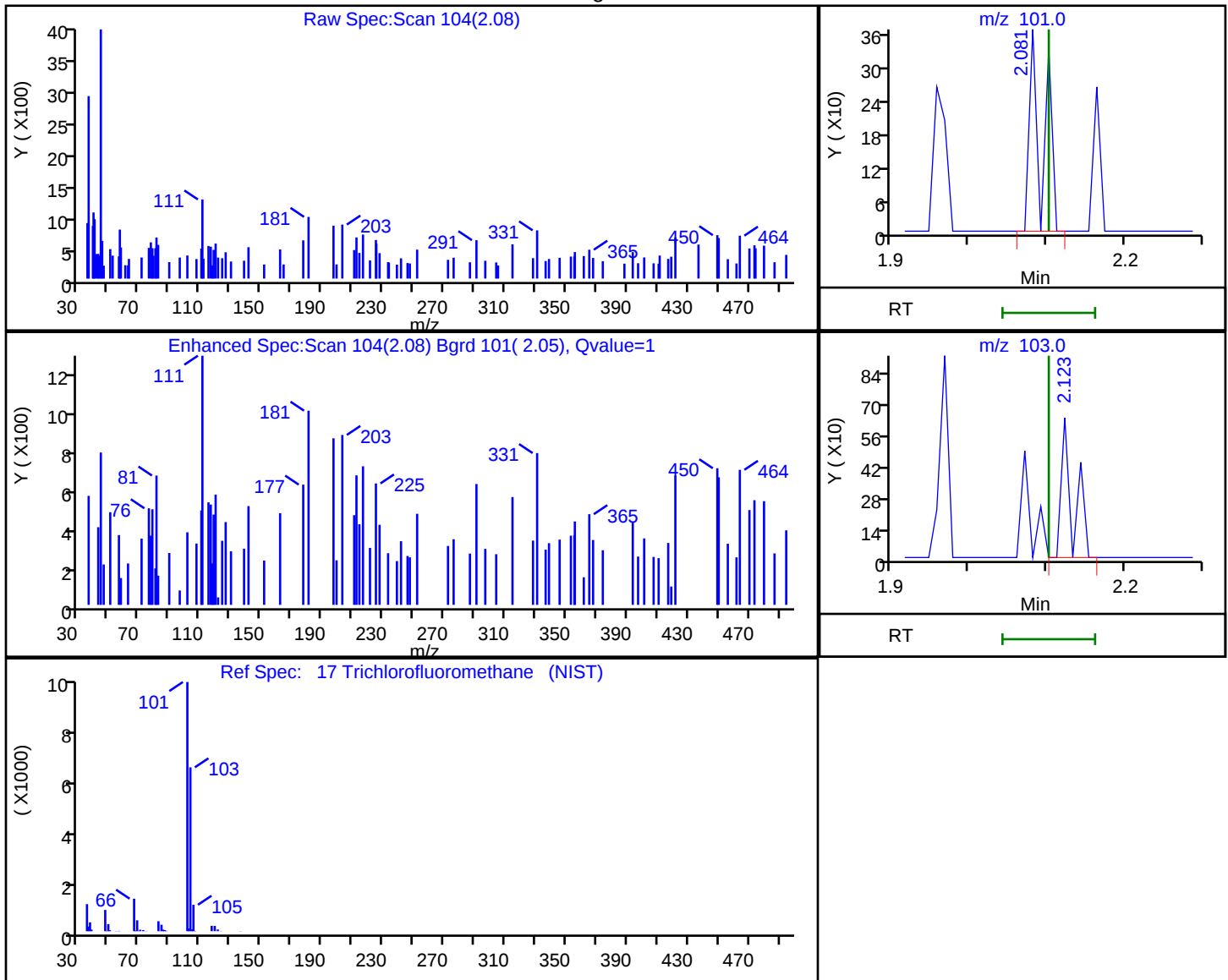
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0757.D
Injection Date: 10-May-2019 13:00:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: kn ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
2.08	101.00	435	0.035024
2.12	103.00	665	

Reviewer: nowakk, 10-May-2019 15:10:04

Audit Action: Marked Compound Undetected

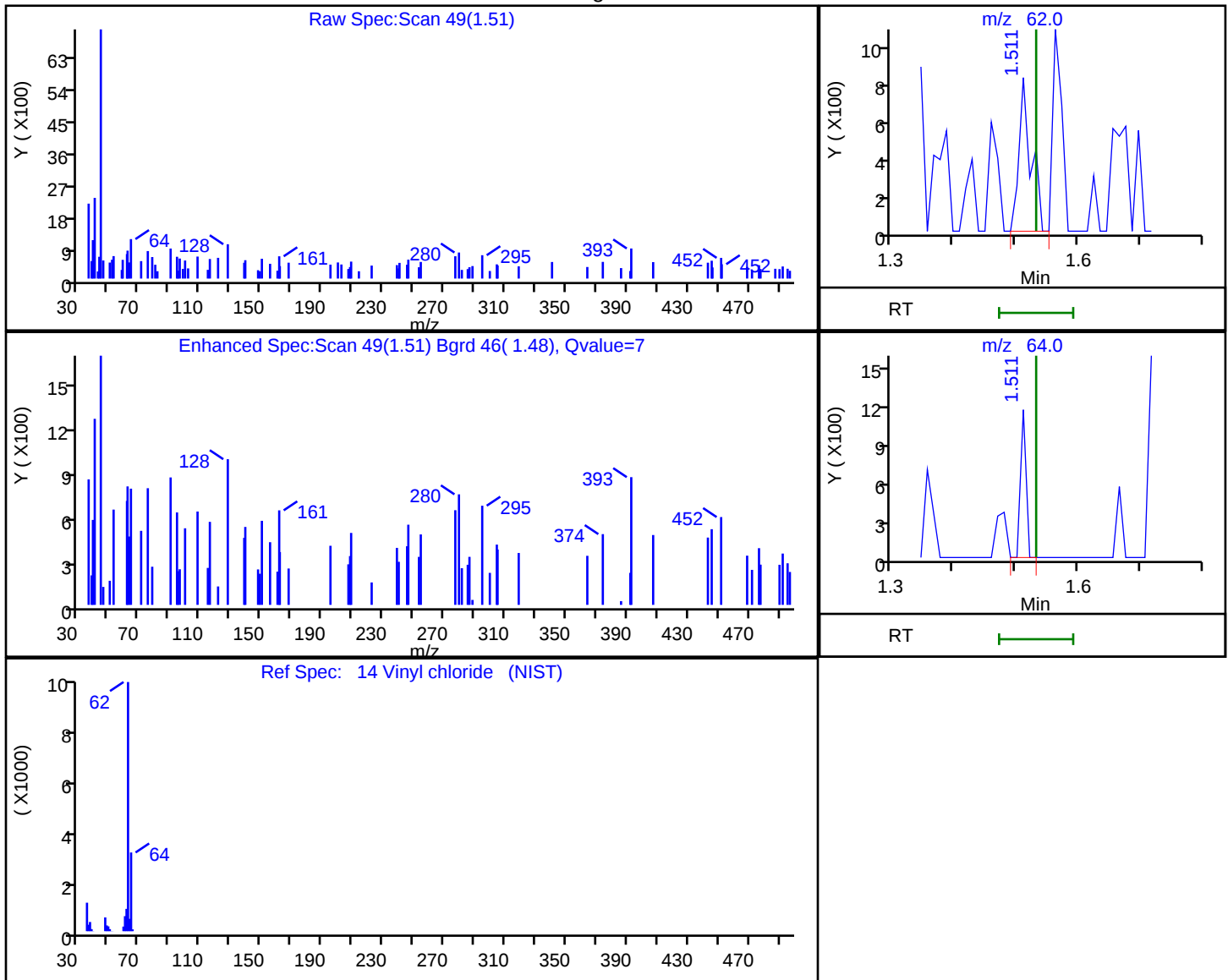
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0757.D
Injection Date: 10-May-2019 13:00:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-8 Lab Sample ID: 480-152909-8
Client ID: IW7-050119
Operator ID: kn ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.51	62.00	1073	0.131991
1.51	64.00	696	

Reviewer: nowakk, 10-May-2019 15:10:02

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.: 480-152909-1

SDG No.: _____

Client Sample ID: IW-3-050119 Lab Sample ID: 480-152909-9

Matrix: Water Lab File ID: T0758.D

Analysis Method: 8260C Date Collected: 05/01/2019 15:15

Sample wt/vol: 5 (mL) Date Analyzed: 05/10/2019 13:25

Soil Aliquot Vol: _____ Dilution Factor: 4

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

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

Analysis Batch No.: 472206 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	*	4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
75-34-3	1,1-Dichloroethane	ND	*	4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
95-63-6	1,2,4-Trimethylbenzene	250		4.0	3.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND	*	4.0	0.84
78-87-5	1,2-Dichloropropane	ND	*	4.0	2.9
108-67-8	1,3,5-Trimethylbenzene	280		4.0	3.1
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Bromodichloromethane	ND	*	4.0	1.6
75-25-2	Bromoform	ND	*	4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND	*	4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
75-00-3	Chloroethane	ND	*	4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND	*	4.0	1.4
156-59-2	cis-1,2-Dichloroethene	ND		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND	*	4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
124-48-1	Dibromochloromethane	ND	*	4.0	1.3
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: IW-3-050119 Lab Sample ID: 480-152909-9
 Matrix: Water Lab File ID: T0758.D
 Analysis Method: 8260C Date Collected: 05/01/2019 15:15
 Sample wt/vol: 5(mL) Date Analyzed: 05/10/2019 13:25
 Soil Aliquot Vol: _____ Dilution Factor: 4
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472206 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		4.0	3.0
98-82-8	Isopropylbenzene	12		4.0	3.2
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	2.0	J	4.0	1.8
103-65-1	N-Propylbenzene	15		4.0	2.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND	*	4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	ND		4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	ND		4.0	3.6
1330-20-7	Xylenes, Total	100		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		77-120
460-00-4	4-Bromofluorobenzene (Surr)	119		73-120
1868-53-7	Dibromofluoromethane (Surr)	112		75-123
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0758.D
 Lims ID: 480-152909-B-9
 Client ID: IW-3-050119
 Sample Type: Client
 Inject. Date: 10-May-2019 13:25:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 4.0000
 Sample Info: 480-152909-B-9
 Misc. Info.: 480-0080970-010
 Operator ID: kn Instrument ID: HP5975T
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-May-2019 20:15:33 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0326

First Level Reviewer: nowakk

Date: 10-May-2019 15:11:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.858	4.859	-0.001	98	126193	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	89	499424	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	95	308072	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.421	-0.011	92	183471	28.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	211532	27.8	
\$ 6 Toluene-d8 (Surr)	98	6.029	6.030	-0.001	96	695989	26.2	
\$ 7 4-Bromofluorobenzene (Surr	174	8.081	8.081	-0.001	0	234225	29.7	
11 Dichlorodifluoromethane	85		1.304				ND	
13 Chloromethane	50		1.449				ND	
14 Vinyl chloride	62		1.532				ND	U
15 Bromomethane	94		1.801				ND	
16 Chloroethane	64		1.843				ND	U
17 Trichlorofluoromethane	101		2.102				ND	U
22 1,1-Dichloroethene	96		2.516				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.537				ND	
23 Acetone	43		2.630				ND	U
25 Carbon disulfide	76		2.703				ND	
28 Methyl acetate	43		2.900				ND	
30 Methylene Chloride	84	2.972	2.993	-0.021	54	3795	0.5051	
33 Methyl tert-butyl ether	73		3.190				ND	
32 trans-1,2-Dichloroethene	96		3.190				ND	
36 1,1-Dichloroethane	63		3.553				ND	
43 cis-1,2-Dichloroethene	96		4.019				ND	
44 2-Butanone (MEK)	43		4.040				ND	
50 Chloroform	83		4.268				ND	
52 Cyclohexane	56		4.371				ND	
51 1,1,1-Trichloroethane	97		4.371				ND	
53 Carbon tetrachloride	117		4.475				ND	
55 Benzene	78		4.651				ND	
57 1,2-Dichloroethane	62		4.703				ND	
60 Trichloroethene	95		5.128				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.221				ND	
63 1,2-Dichloropropane	63		5.314				ND	
67 Dichlorobromomethane	83		5.542				ND	
71 cis-1,3-Dichloropropene	75		5.864				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.967				ND	
73 Toluene	92		6.081				ND	
75 trans-1,3-Dichloropropene	75		6.289				ND	
78 1,1,2-Trichloroethane	83		6.434				ND	
79 Tetrachloroethene	166		6.485				ND	
81 2-Hexanone	43		6.599				ND	U
82 Chlorodibromomethane	129		6.734				ND	
83 Ethylene Dibromide	107		6.817				ND	
86 Chlorobenzene	112		7.169				ND	
88 Ethylbenzene	91		7.232				ND	
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	9599	0.7650	
91 o-Xylene	106	7.646	7.646	0.000	98	307667	25.4	
92 Styrene	104		7.667				ND	U
93 Bromoform	173		7.864				ND	
95 Isopropylbenzene	105	7.926	7.926	0.000	96	107312	2.97	
98 1,1,2,2-Tetrachloroethane	83		8.237				ND	
99 N-Propylbenzene	91	8.258	8.257	0.000	99	171666	3.81	
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	97	2225631	69.4	
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	98	2006497	62.0	
110 1,3-Dichlorobenzene	146		8.962				ND	
113 1,4-Dichlorobenzene	146		9.035				ND	
116 1,2-Dichlorobenzene	146		9.346				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.019				ND	
119 1,2,4-Trichlorobenzene	180		10.662				ND	
S 126 Xylenes, Total	1				0		26.1	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00189

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 10-May-2019 20:16:16

Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0758.D

Injection Date: 10-May-2019 13:25:30

Instrument ID: HP5975T

Operator ID: kn

Lims ID: 480-152909-B-9

Lab Sample ID: 480-152909-9

Worklist Smp#: 10

Client ID: IW-3-050119

Purge Vol: 5.000 mL

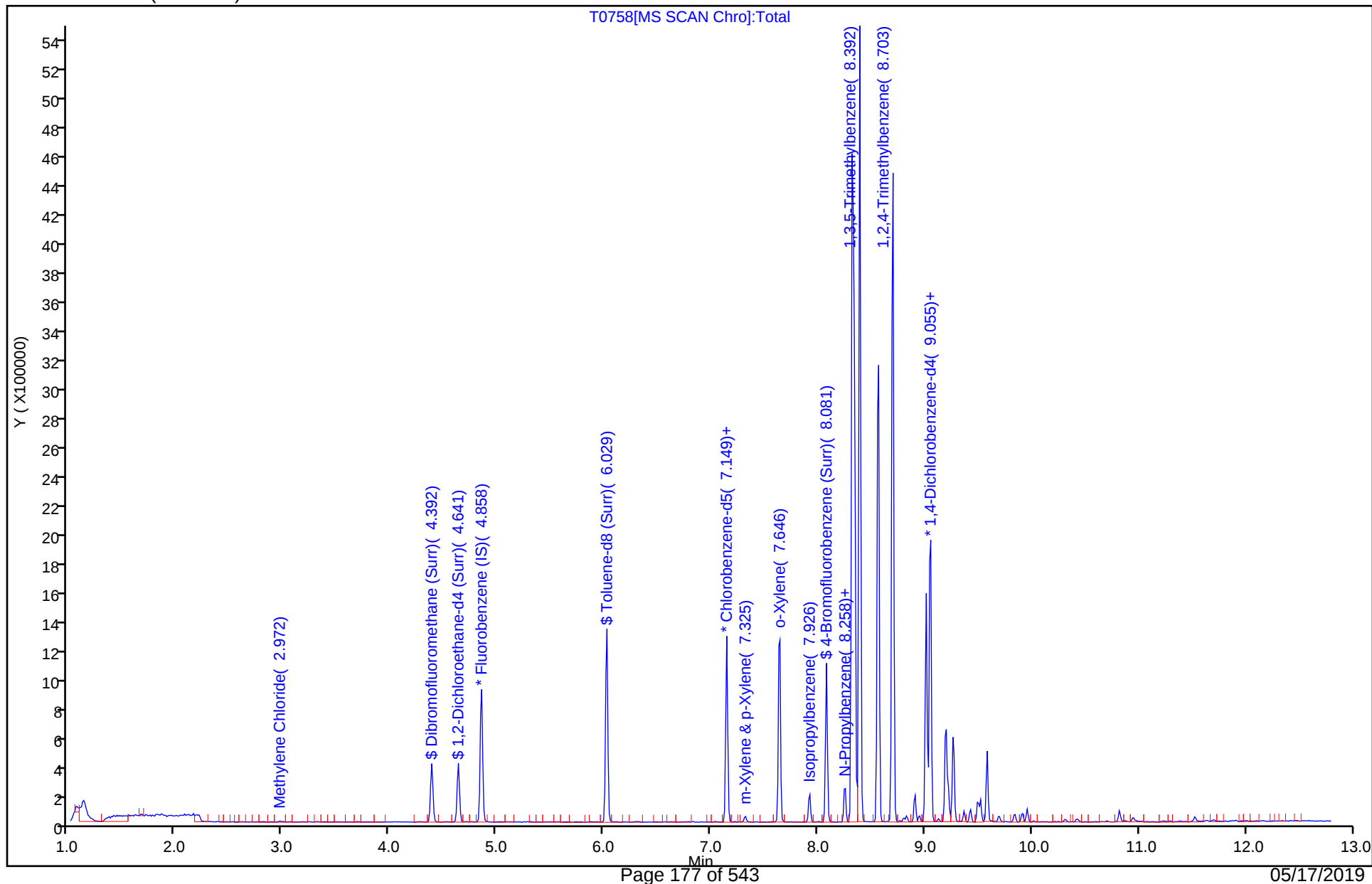
Dil. Factor: 4.0000

ALS Bottle#: 9

Method: T-8260

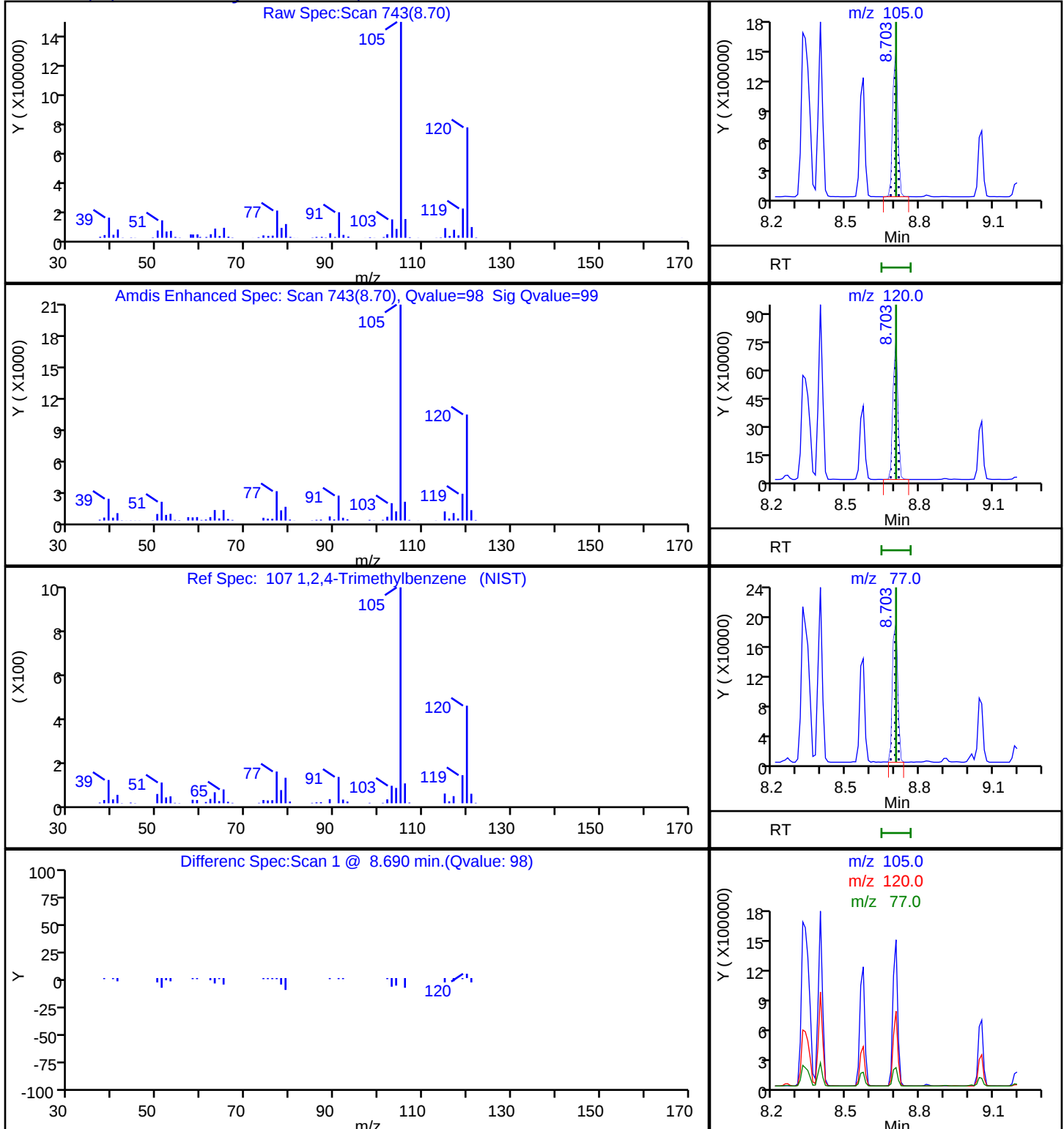
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



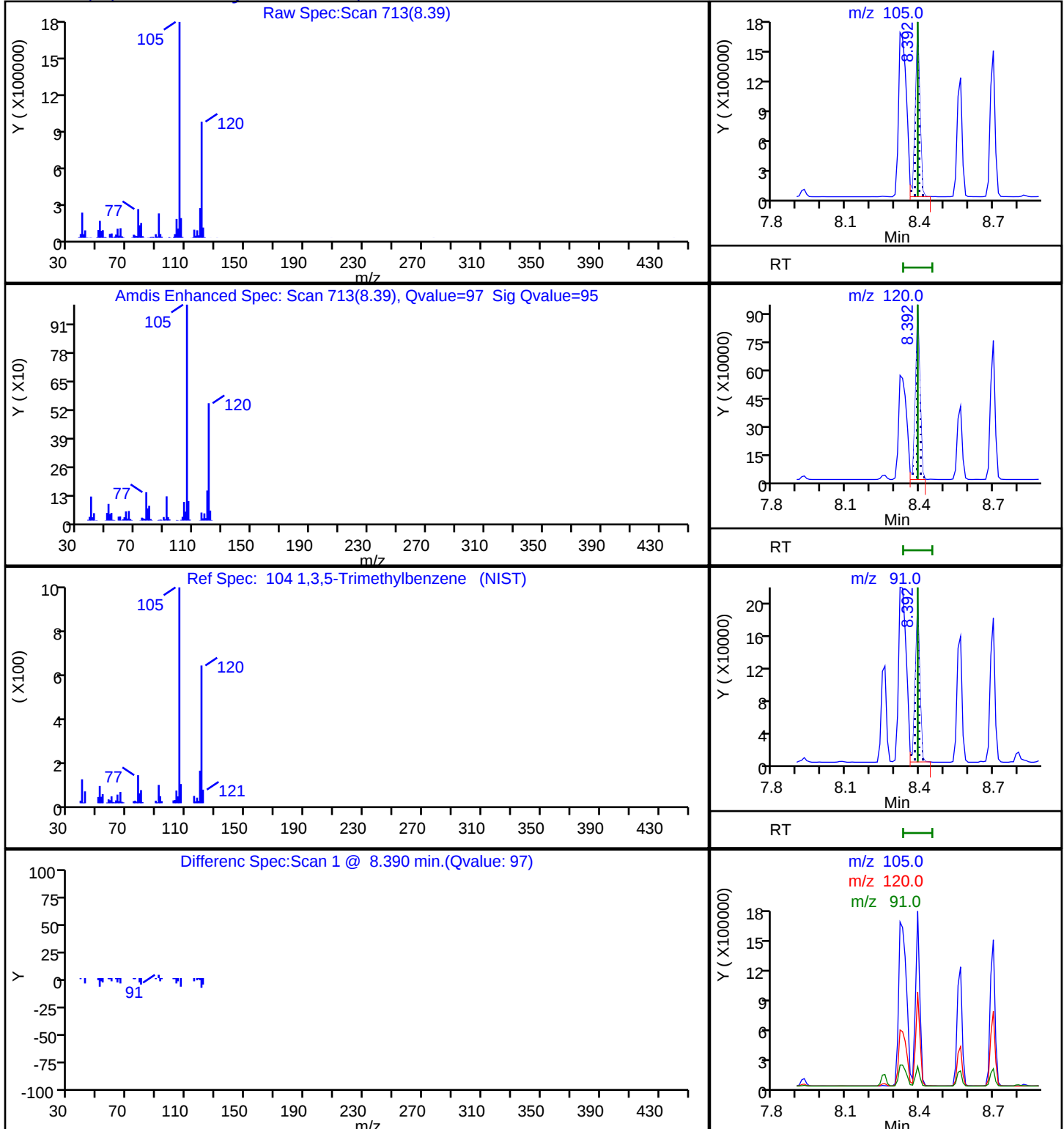
Eurofins TestAmerica, Buffalo

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Injection Date: 10-May-2019 13:25:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-9 Lab Sample ID: 480-152909-9
Client ID: IW-3-050119
Operator ID: kn ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

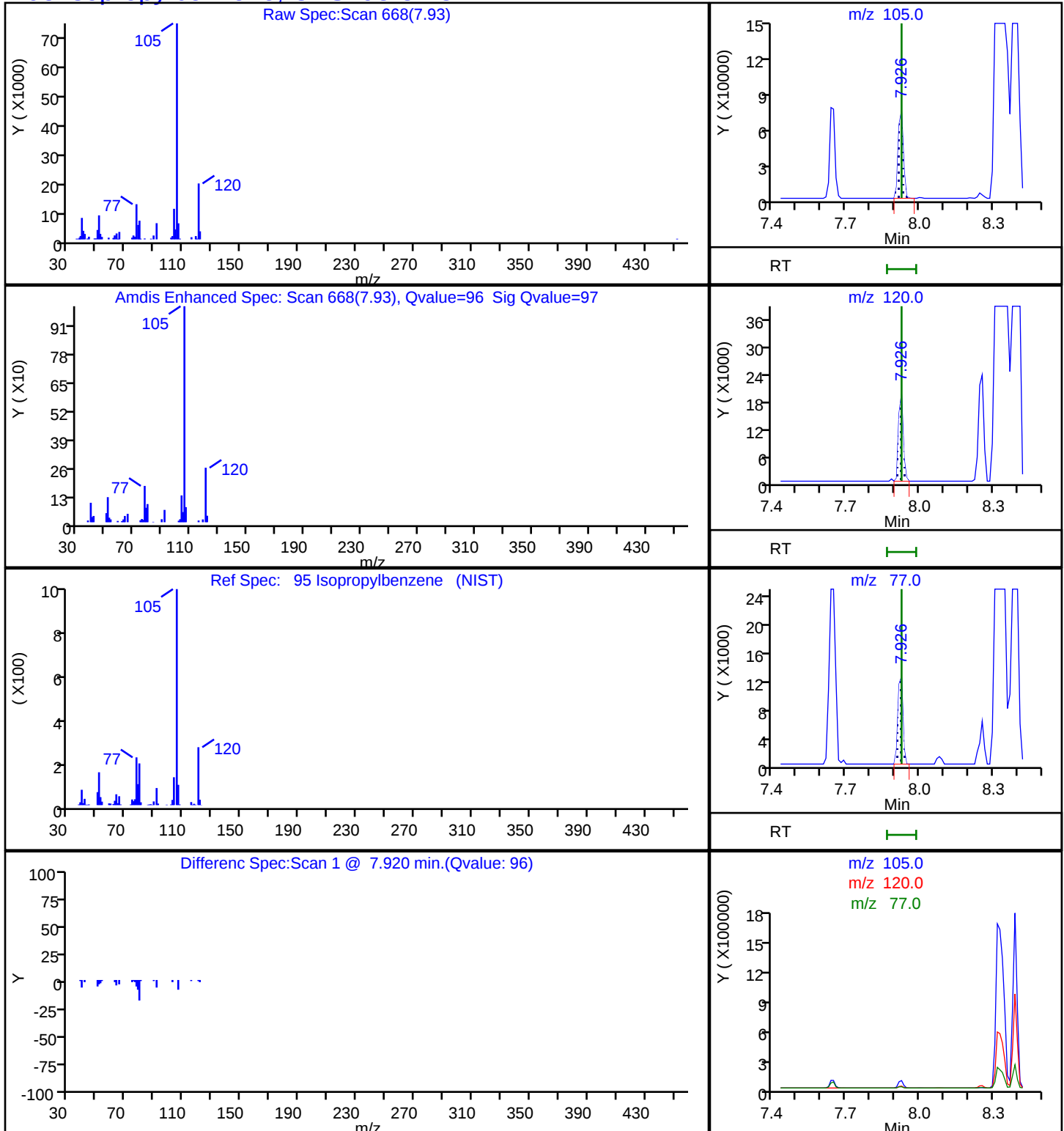
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Injection Date: 10-May-2019 13:25:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-9 Lab Sample ID: 480-152909-9
Client ID: IW-3-050119
Operator ID: kn ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0758.D
Injection Date: 10-May-2019 13:25:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-9 Lab Sample ID: 480-152909-9
Client ID: IW-3-050119
Operator ID: kn ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

95 Isopropylbenzene, CAS: 98-82-8

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0758.D

Injection Date: 10-May-2019 13:25:30

Instrument ID: HP5975T

Lims ID: 480-152909-B-9

Lab Sample ID: 480-152909-9

Client ID: IW-3-050119

Operator ID: kn

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 5.000 mL

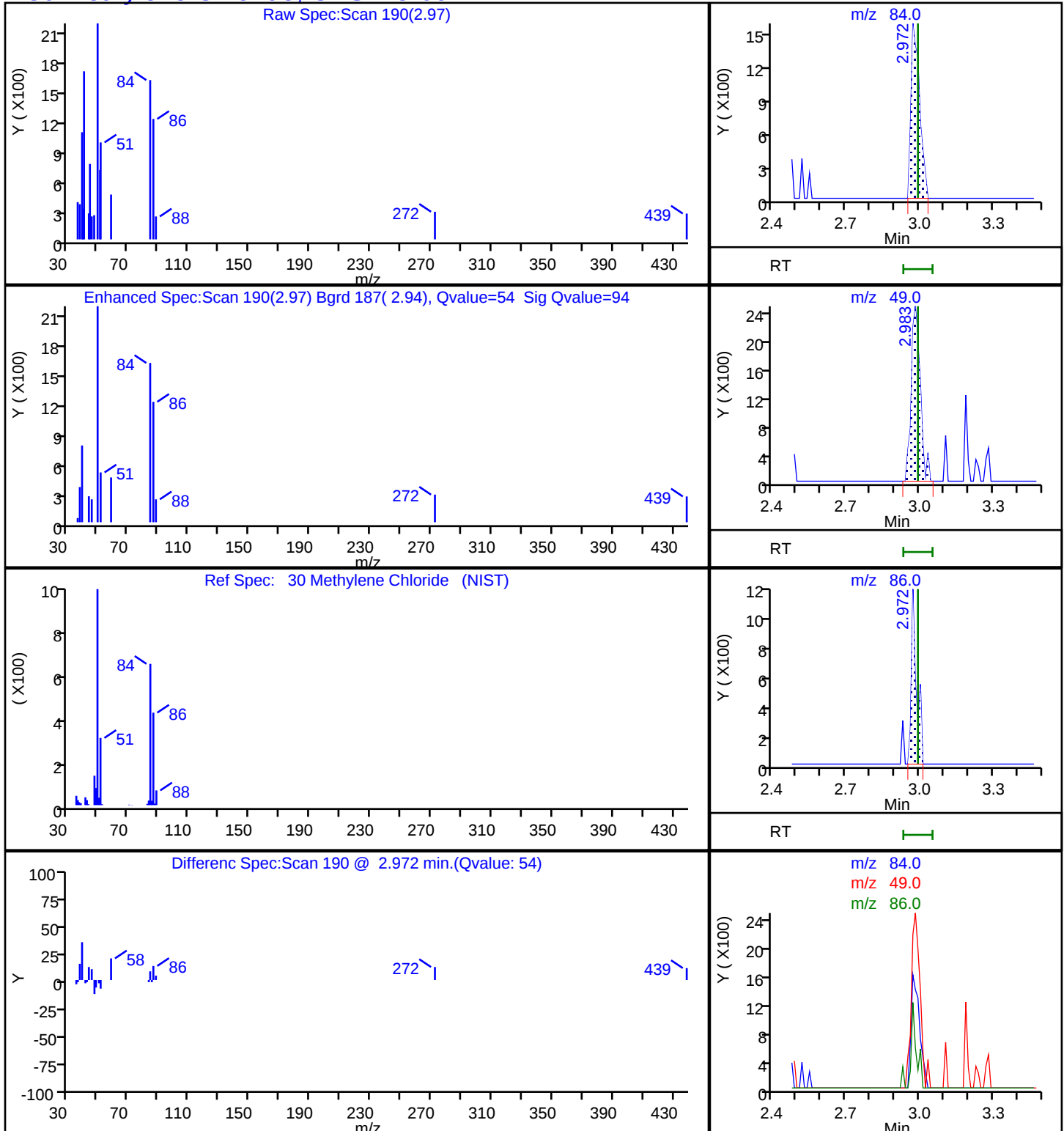
Dil. Factor: 4.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

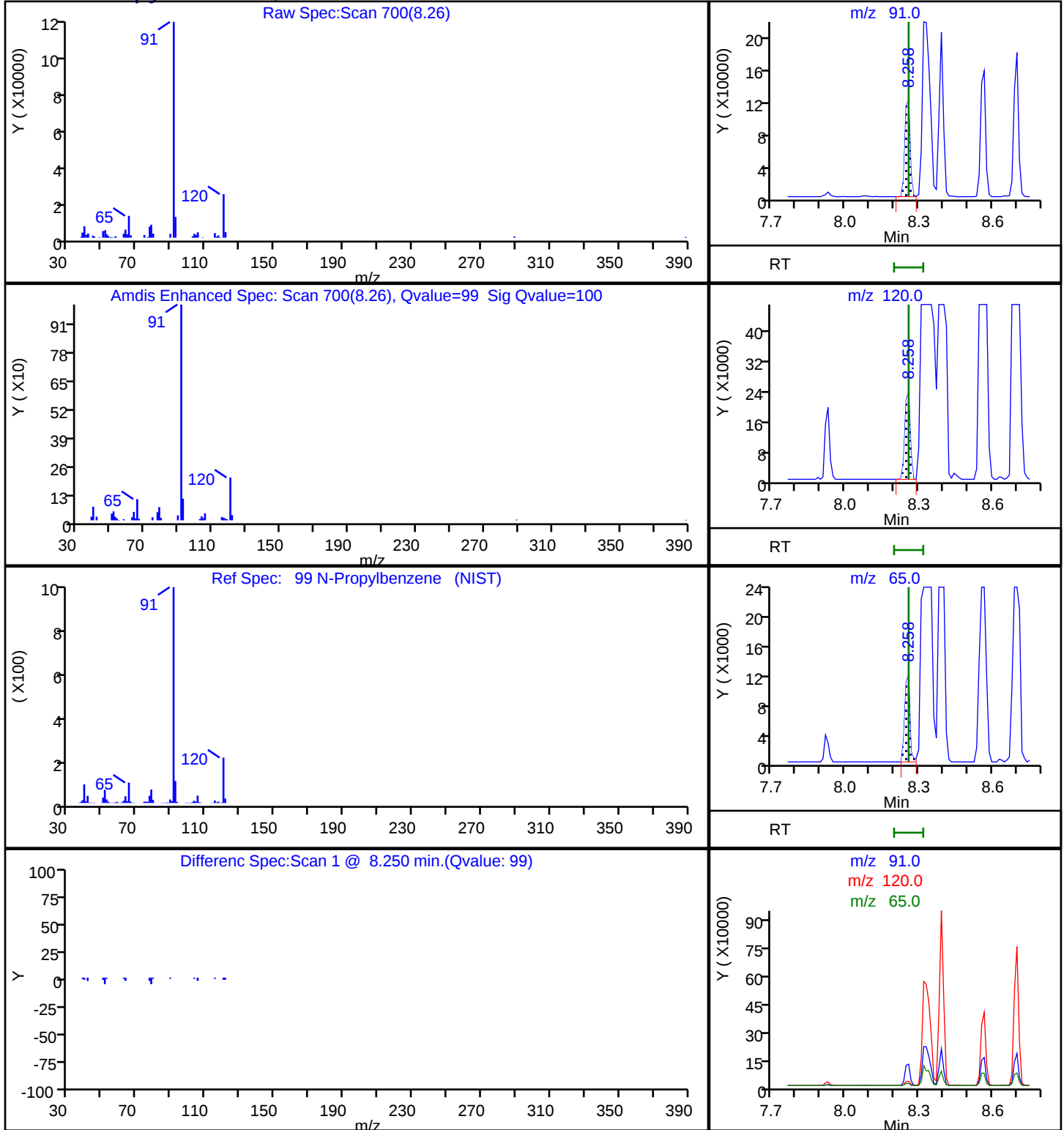
Column: ZB-624 (0.18 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

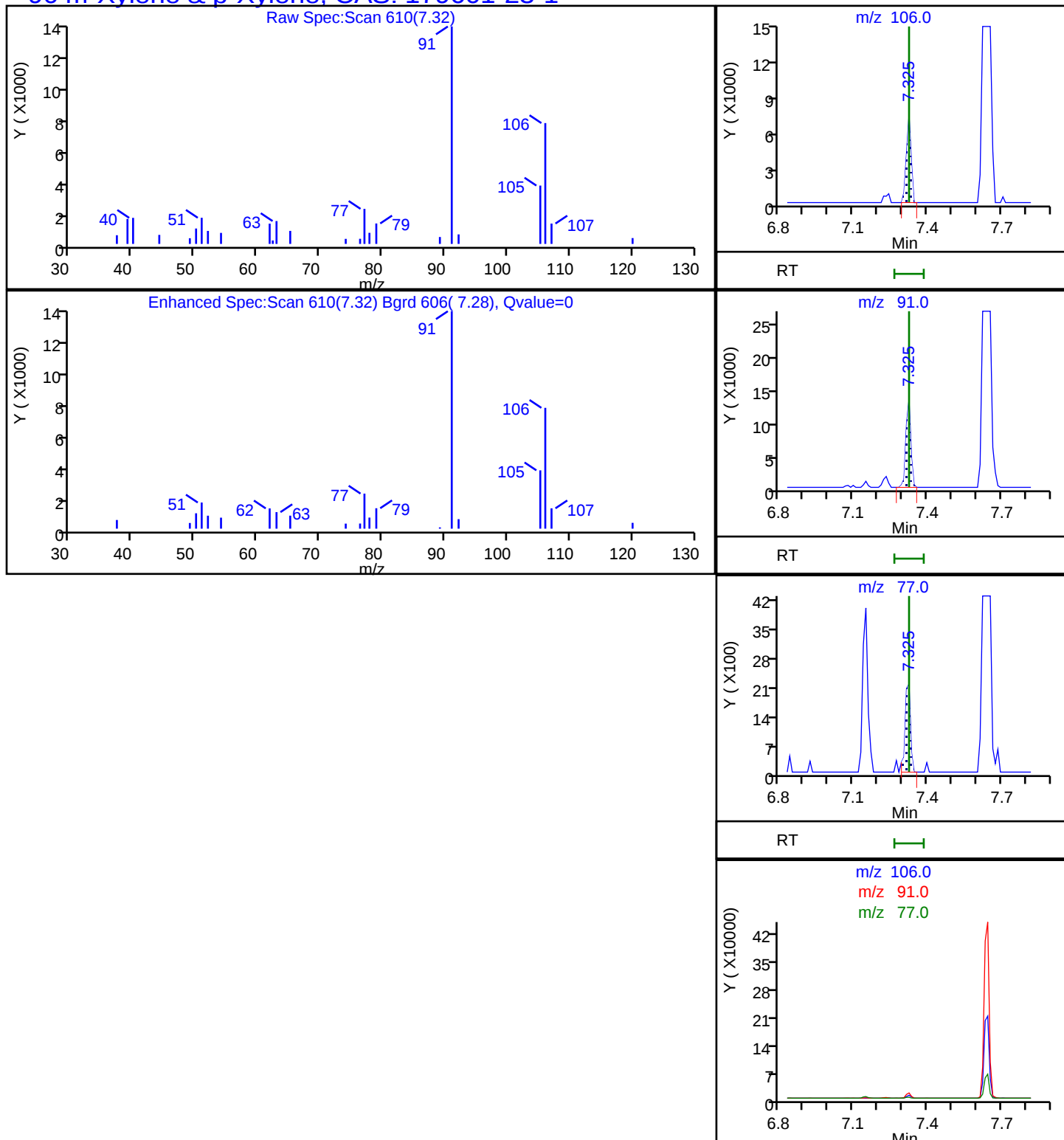
Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0758.D
Injection Date: 10-May-2019 13:25:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-9 Lab Sample ID: 480-152909-9
Client ID: IW-3-050119
Operator ID: kn ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

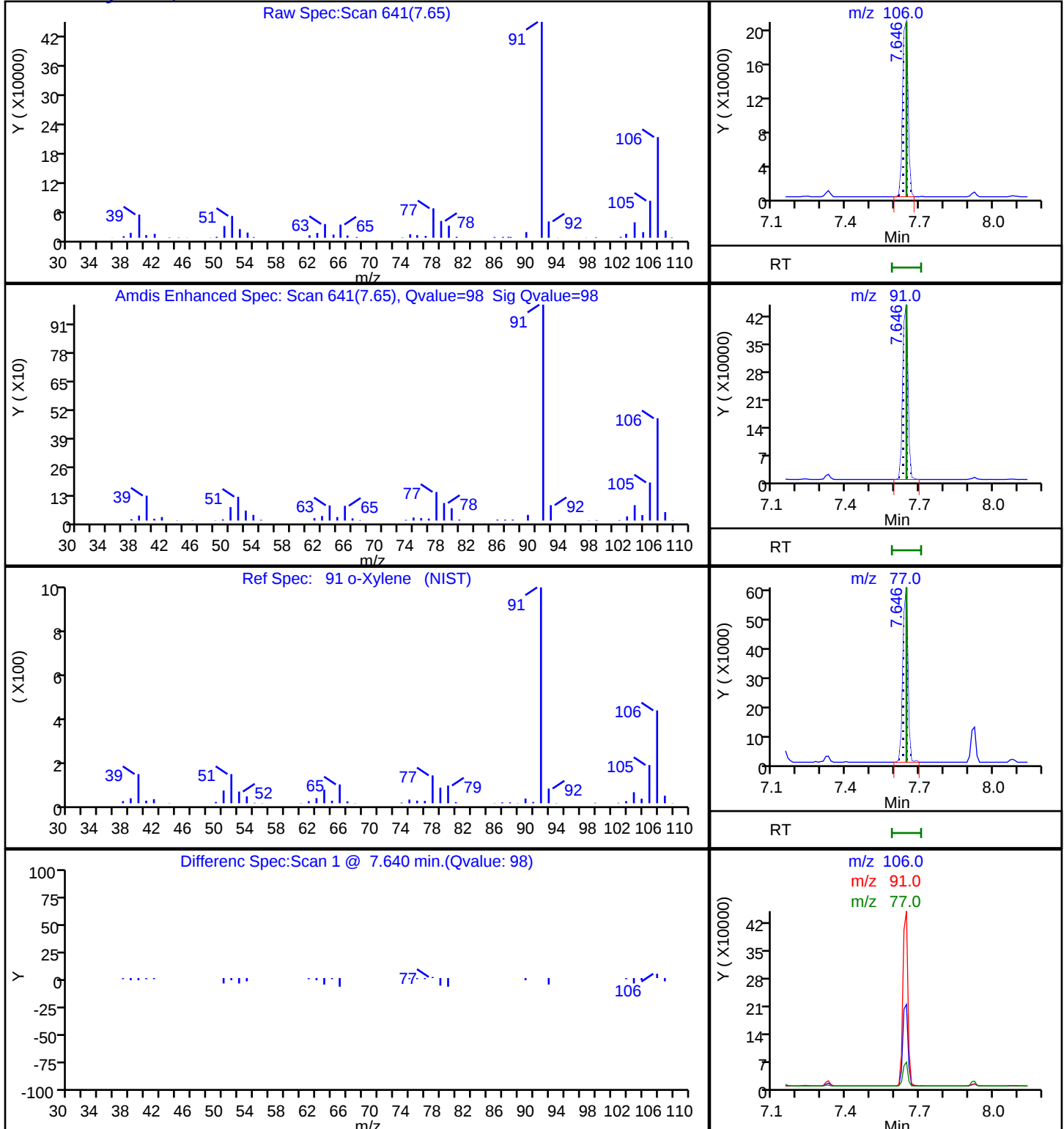
Eurofins TestAmerica, Buffalo

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Injection Date: 10-May-2019 13:25:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-9 Lab Sample ID: 480-152909-9
Client ID: IW-3-050119
Operator ID: kn ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0758.D
Injection Date: 10-May-2019 13:25:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-9 Lab Sample ID: 480-152909-9
Client ID: IW-3-050119
Operator ID: kn ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

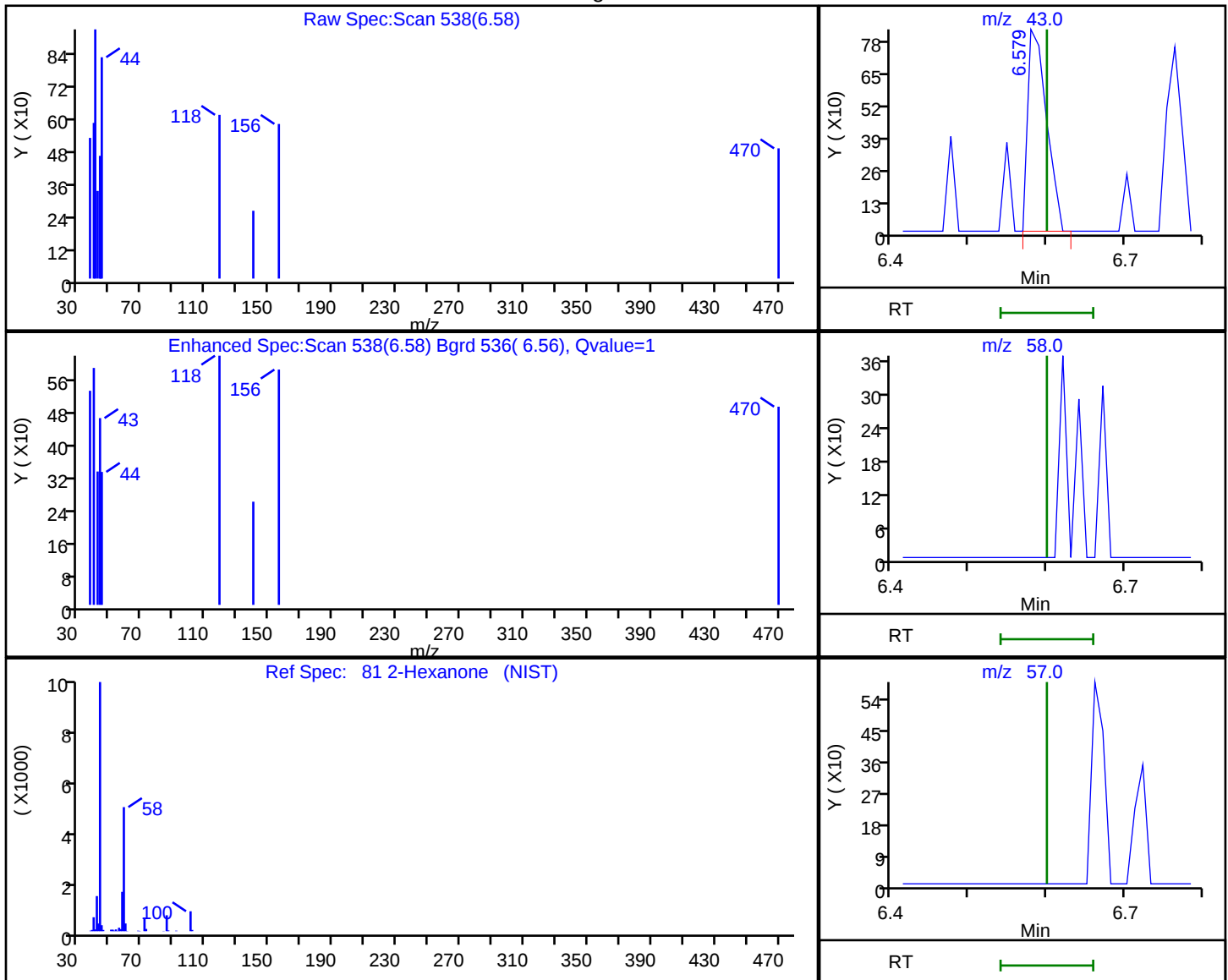
91 o-Xylene, CAS: 95-47-6

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0758.D
Injection Date: 10-May-2019 13:25:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-9 Lab Sample ID: 480-152909-9
Client ID: IW-3-050119
Operator ID: kn ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

81 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
6.58	43.00	1393	0.349394
6.60	58.00	0	
6.60	57.00	0	

Reviewer: nowakk, 10-May-2019 15:11:15

Audit Action: Marked Compound Undetected

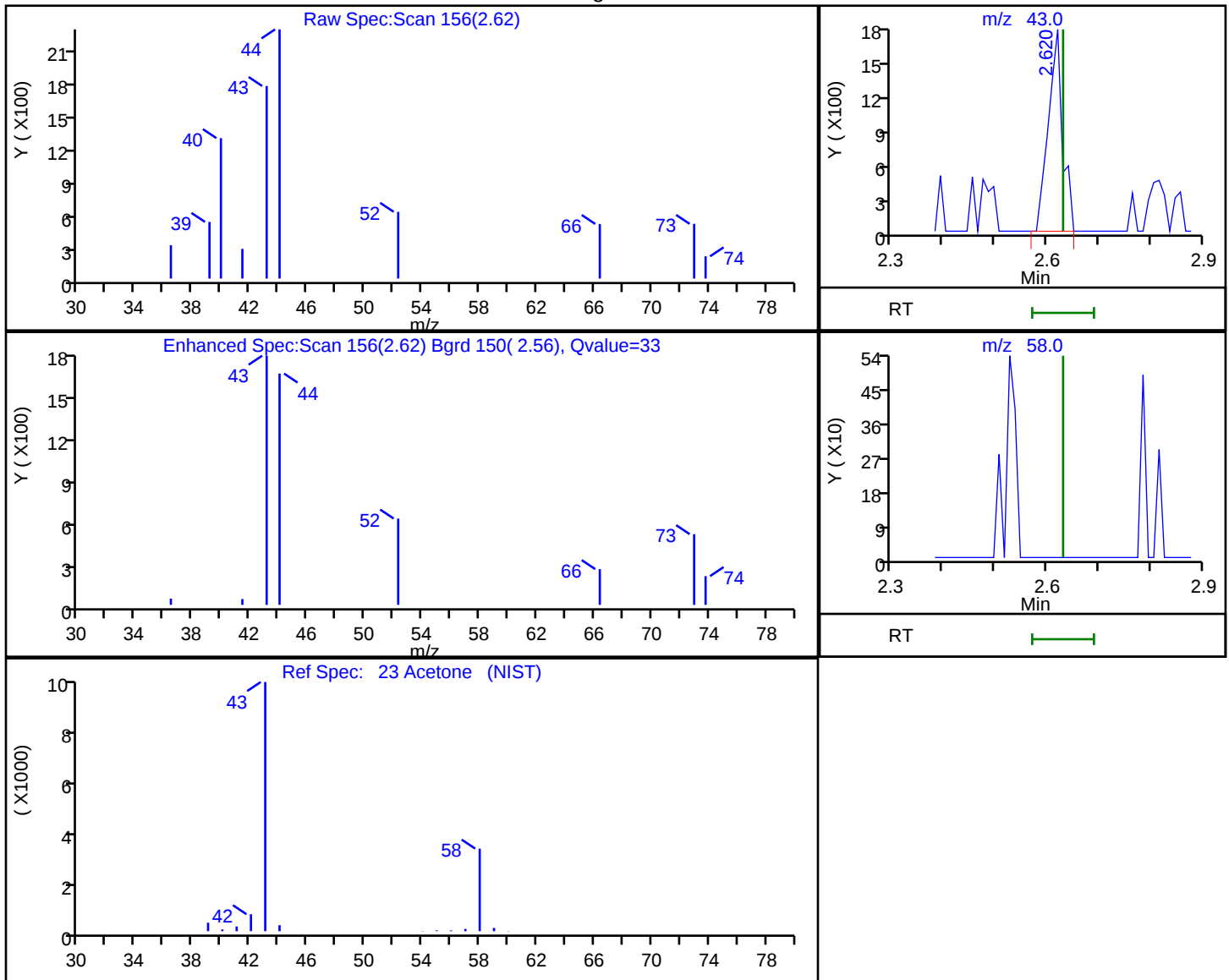
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0758.D
Injection Date: 10-May-2019 13:25:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-9 Lab Sample ID: 480-152909-9
Client ID: IW-3-050119
Operator ID: kn ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.62	43.00	3347	1.824832
2.63	58.00	0	

Reviewer: nowakk, 10-May-2019 15:11:09

Audit Action: Marked Compound Undetected

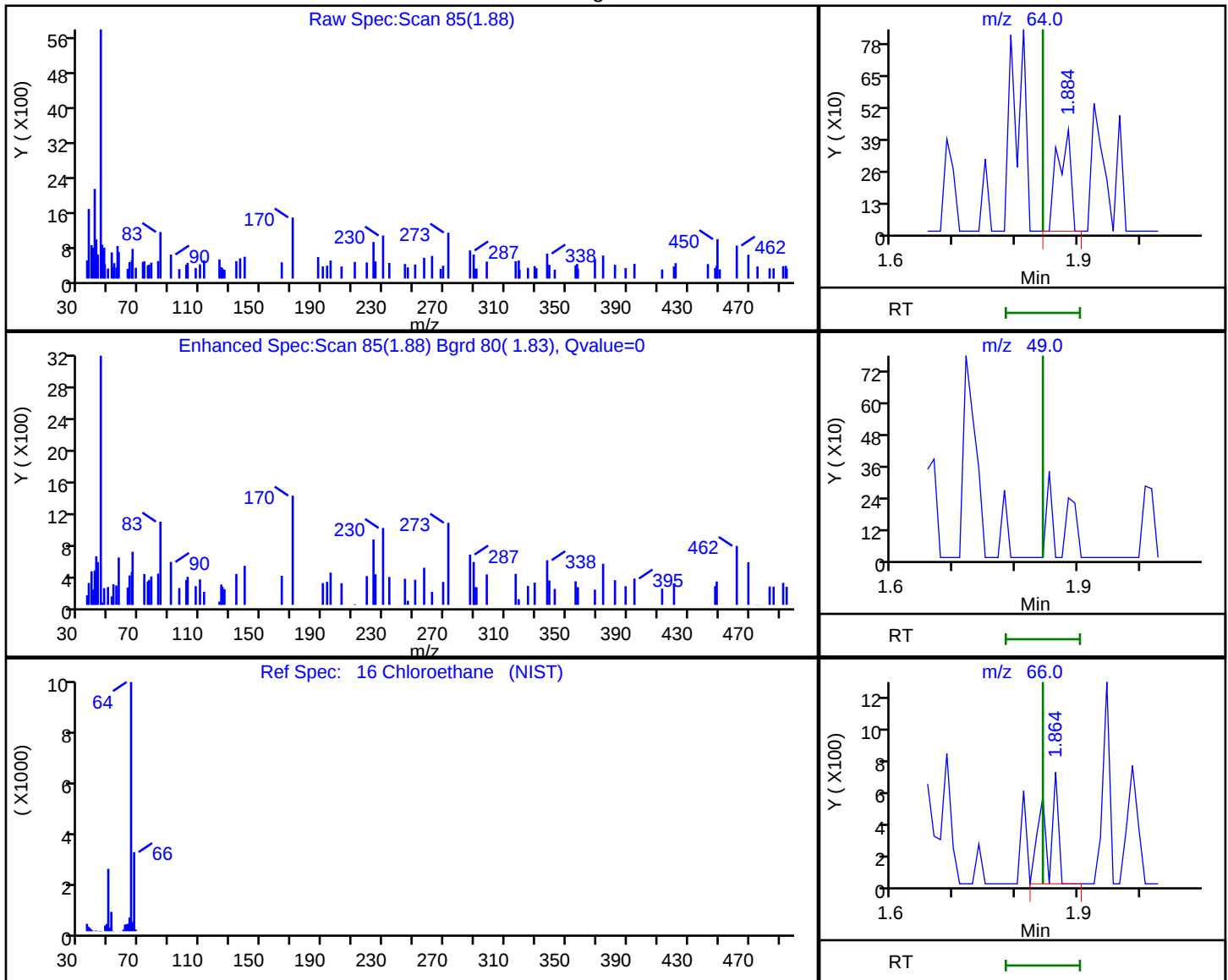
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0758.D
Injection Date: 10-May-2019 13:25:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-9 Lab Sample ID: 480-152909-9
Client ID: IW-3-050119
Operator ID: kn ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Method: T-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
1.88	64.00	623	-0.558718
1.84	49.00	0	
1.86	66.00	947	

Reviewer: nowakk, 10-May-2019 15:11:04

Audit Action: Marked Compound Undetected

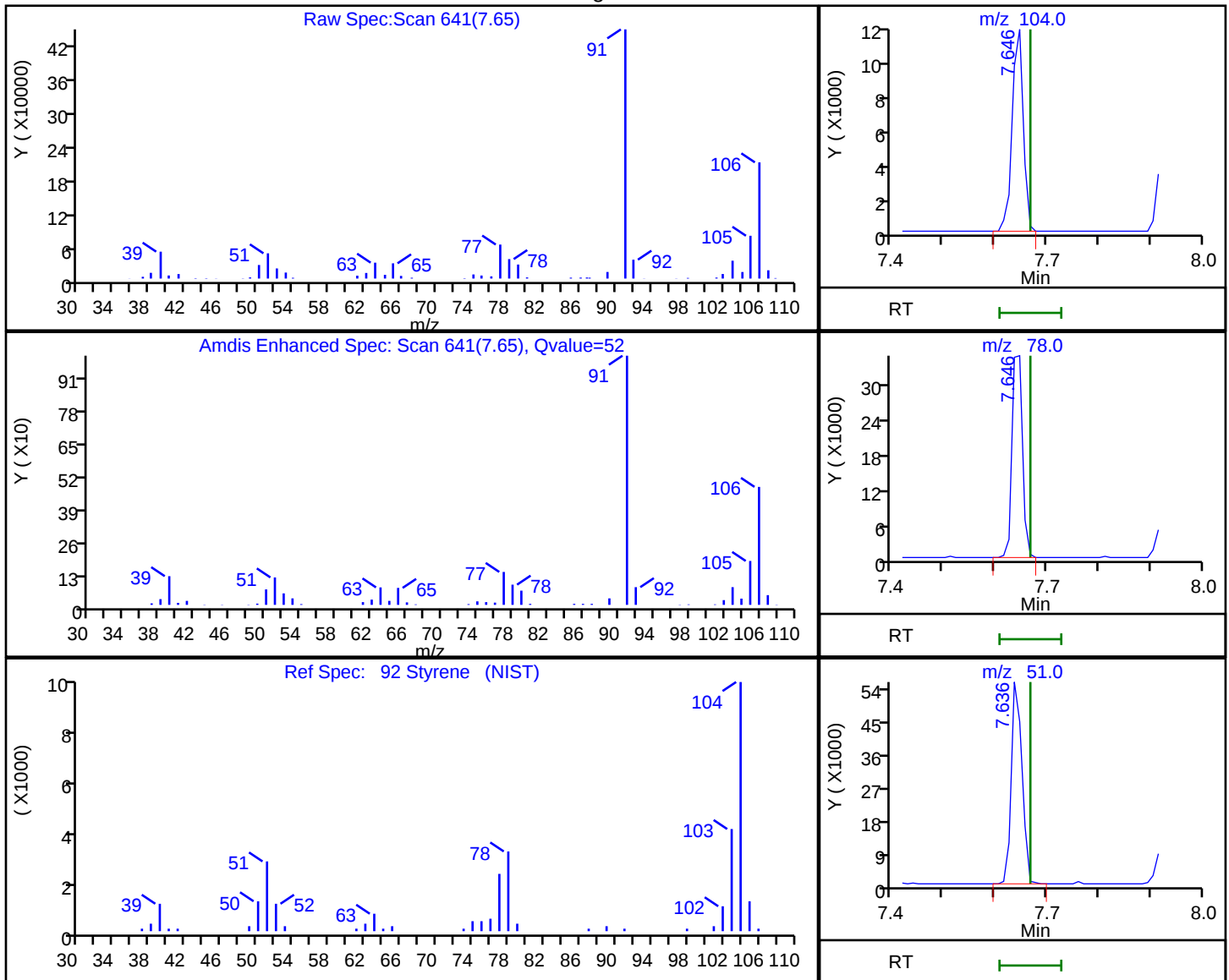
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Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0758.D
Injection Date: 10-May-2019 13:25:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-9 Lab Sample ID: 480-152909-9
Client ID: IW-3-050119
Operator ID: kn ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

92 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
7.65	104.00	17402	0.840713
7.65	78.00	49225	
7.64	51.00	80443	

Reviewer: nowakk, 10-May-2019 15:11:19

Audit Action: Marked Compound Undetected

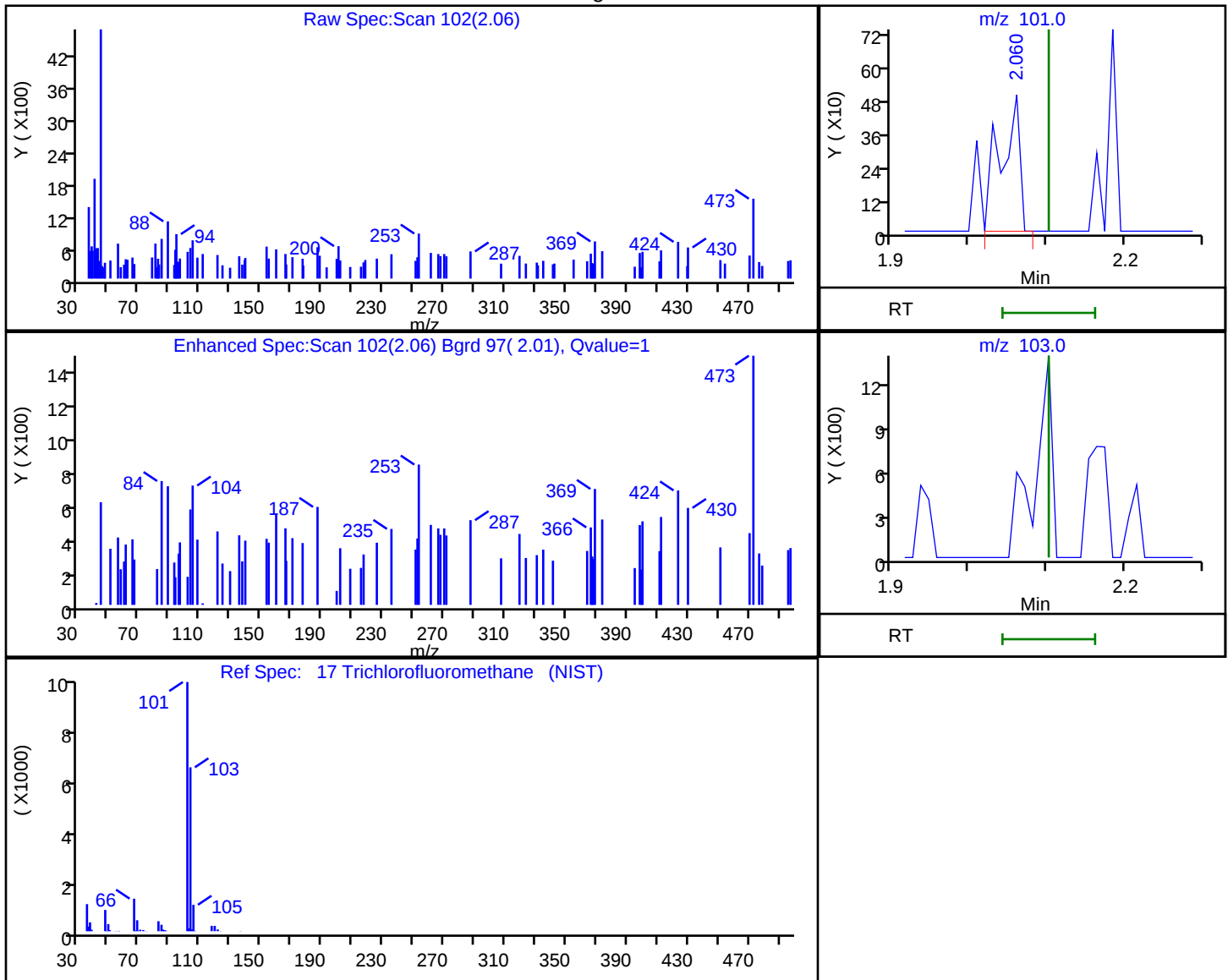
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0758.D
Injection Date: 10-May-2019 13:25:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-9 Lab Sample ID: 480-152909-9
Client ID: IW-3-050119
Operator ID: kn ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
2.06	101.00	848	0.068257
2.10	103.00	0	

Reviewer: nowakk, 10-May-2019 15:11:07

Audit Action: Marked Compound Undetected

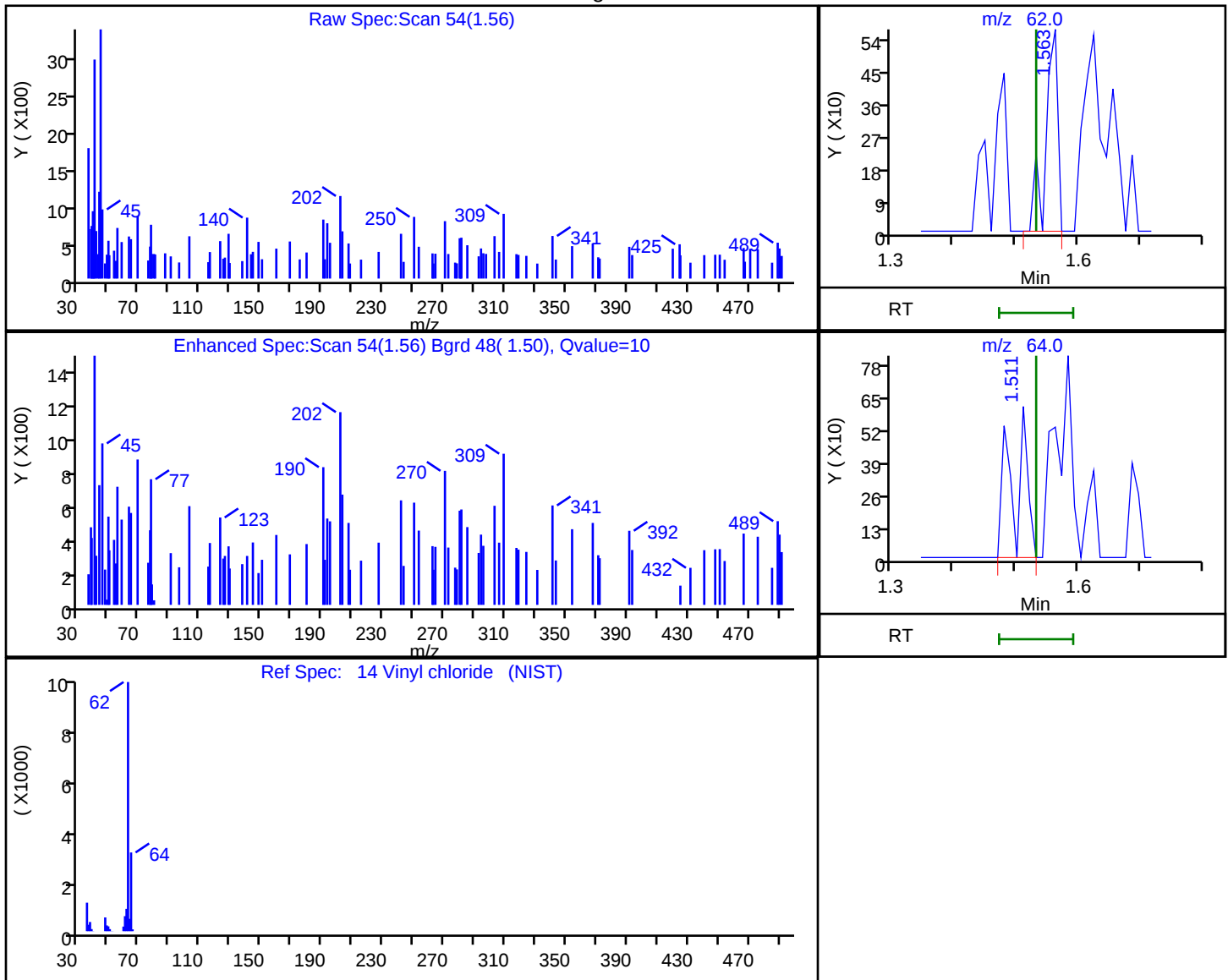
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0758.D
Injection Date: 10-May-2019 13:25:30 Instrument ID: HP5975T
Lims ID: 480-152909-B-9 Lab Sample ID: 480-152909-9
Client ID: IW-3-050119
Operator ID: kn ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.56	62.00	758	0.093217
1.51	64.00	1051	

Reviewer: nowakk, 10-May-2019 15:11:02

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.: 480-152909-1
 SDG No.: _____
 Client Sample ID: IW-2-050119 Lab Sample ID: 480-152909-10
 Matrix: Water Lab File ID: T0740.D
 Analysis Method: 8260C Date Collected: 05/01/2019 16:50
 Sample wt/vol: 5 (mL) Date Analyzed: 05/10/2019 03:34
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472168 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
75-34-3	1,1-Dichloroethane	ND		10	3.8
75-35-4	1,1-Dichloroethene	ND		10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
95-63-6	1,2,4-Trimethylbenzene	420		10	7.5
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
106-93-4	1,2-Dibromoethane	ND		10	7.3
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
108-67-8	1,3,5-Trimethylbenzene	220		10	7.7
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
78-93-3	2-Butanone (MEK)	ND		100	13
591-78-6	2-Hexanone	ND		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	ND		100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Bromodichloromethane	ND		10	3.9
75-25-2	Bromoform	ND	*	10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
75-00-3	Chloroethane	ND		10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	ND		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
124-48-1	Dibromochloromethane	ND	*	10	3.2
75-71-8	Dichlorodifluoromethane	ND		10	6.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: IW-2-050119 Lab Sample ID: 480-152909-10
 Matrix: Water Lab File ID: T0740.D
 Analysis Method: 8260C Date Collected: 05/01/2019 16:50
 Sample wt/vol: 5 (mL) Date Analyzed: 05/10/2019 03:34
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472168 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		10	7.4
98-82-8	Isopropylbenzene	37		10	7.9
79-20-9	Methyl acetate	ND		25	13
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	4.9	J	10	4.4
103-65-1	N-Propylbenzene	36		10	6.9
100-42-5	Styrene	ND		10	7.3
127-18-4	Tetrachloroethene	ND		10	3.6
108-88-3	Toluene	ND		10	5.1
156-60-5	trans-1,2-Dichloroethene	ND		10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	3.7
79-01-6	Trichloroethene	ND		10	4.6
75-69-4	Trichlorofluoromethane	ND		10	8.8
75-01-4	Vinyl chloride	ND		10	9.0
1330-20-7	Xylenes, Total	610		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
460-00-4	4-Bromofluorobenzene (Surr)	114		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0740.D
 Lims ID: 480-152909-A-10
 Client ID: IW-2-050119
 Sample Type: Client
 Inject. Date: 10-May-2019 03:34:30 ALS Bottle#: 18 Worklist Smp#: 19
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-152909-A-10
 Misc. Info.: 480-0080959-019
 Operator ID: AEM Instrument ID: HP5975T
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-May-2019 09:08:15 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0302

First Level Reviewer: nowakk

Date: 10-May-2019 09:08:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.859	4.858	0.001	98	98277	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	89	363912	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	95	209527	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	91	124429	24.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	161521	27.2	
\$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.001	96	493686	25.5	
\$ 7 4-Bromofluorobenzene (Surr	174	8.081	8.081	0.000	0	163083	28.4	
11 Dichlorodifluoromethane	85		1.273				ND	
13 Chloromethane	50		1.428				ND	
14 Vinyl chloride	62		1.511				ND	
15 Bromomethane	94		1.781				ND	
16 Chloroethane	64		1.832				ND	
17 Trichlorofluoromethane	101		2.071				ND	
22 1,1-Dichloroethene	96		2.506				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.506				ND	
23 Acetone	43		2.620				ND	
25 Carbon disulfide	76		2.693				ND	
28 Methyl acetate	43		2.879				ND	
30 Methylene Chloride	84	2.983	2.983	0.000	52	2887	0.4934	
33 Methyl tert-butyl ether	73		3.169				ND	
32 trans-1,2-Dichloroethene	96		3.180				ND	
36 1,1-Dichloroethane	63		3.542				ND	
43 cis-1,2-Dichloroethene	96		4.009				ND	
44 2-Butanone (MEK)	43		4.029				ND	
50 Chloroform	83		4.268				ND	
51 1,1,1-Trichloroethane	97		4.361				ND	
52 Cyclohexane	56		4.371				ND	
53 Carbon tetrachloride	117		4.475				ND	
55 Benzene	78		4.641				ND	
57 1,2-Dichloroethane	62		4.703				ND	
60 Trichloroethene	95		5.128				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.221				ND	
63 1,2-Dichloropropane	63		5.314				ND	
67 Dichlorobromomethane	83		5.542				ND	
71 cis-1,3-Dichloropropene	75		5.853				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.967				ND	
73 Toluene	92		6.081				ND	
75 trans-1,3-Dichloropropene	75		6.289				ND	
78 1,1,2-Trichloroethane	83		6.434				ND	
79 Tetrachloroethene	166		6.485				ND	
81 2-Hexanone	43		6.599				ND	
82 Chlorodibromomethane	129		6.734				ND	
83 Ethylene Dibromide	107		6.817				ND	
86 Chlorobenzene	112		7.169				ND	
88 Ethylbenzene	91	7.232	7.232	0.000	92	9337	0.4042	
90 m-Xylene & p-Xylene	106	7.315	7.325	-0.010	0	52909	5.79	
91 o-Xylene	106	7.646	7.646	0.000	98	486866	55.1	
92 Styrene	104		7.667				ND	U
93 Bromoform	173		7.864				ND	
95 Isopropylbenzene	105	7.926	7.926	0.000	96	90231	3.67	
98 1,1,2,2-Tetrachloroethane	83		8.237				ND	
99 N-Propylbenzene	91	8.247	8.258	-0.011	98	110592	3.61	
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	96	486775	22.3	
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	98	921636	41.9	
110 1,3-Dichlorobenzene	146		8.962				ND	U
113 1,4-Dichlorobenzene	146		9.035				ND	
116 1,2-Dichlorobenzene	146		9.346				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.019				ND	
119 1,2,4-Trichlorobenzene	180		10.662				ND	
S 126 Xylenes, Total	1				0		60.9	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00189

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 10-May-2019 09:08:15

Chrom Revision: 2.3 03-May-2019 15:52:00

Euofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0740.D

Injection Date: 10-May-2019 03:34:30

Instrument ID: HP5975T

Operator ID: AEM

Lims ID: 480-152909-A-10

Lab Sample ID: 480-152909-10

Worklist Smp#: 19

Client ID: IW-2-050119

Purge Vol: 5.000 mL

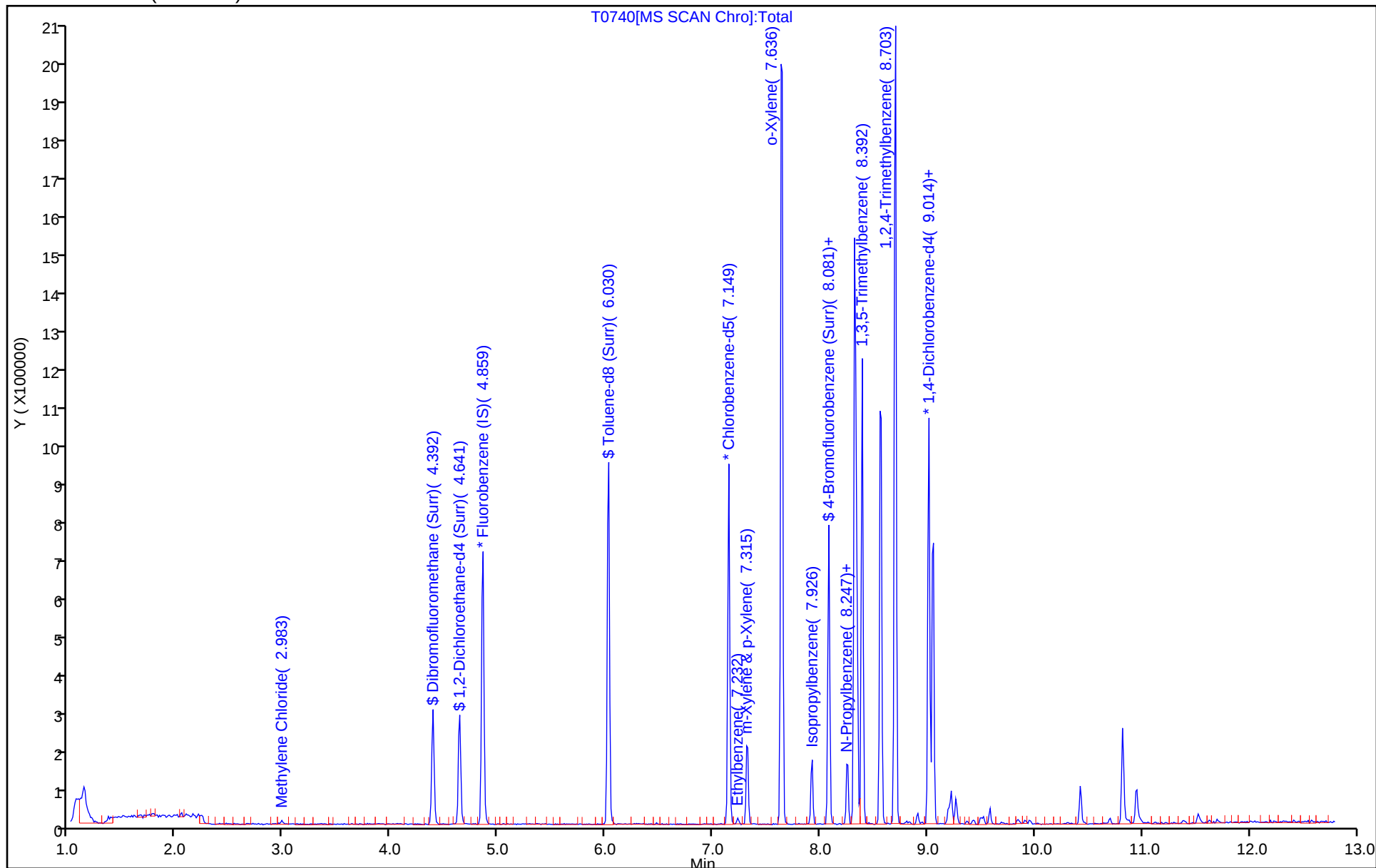
Dil. Factor: 10.0000

ALS Bottle#: 18

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0740.D

Injection Date: 10-May-2019 03:34:30

Instrument ID: HP5975T

Lims ID: 480-152909-A-10

Lab Sample ID: 480-152909-10

Client ID: IW-2-050119

Operator ID: AEM

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 5.000 mL

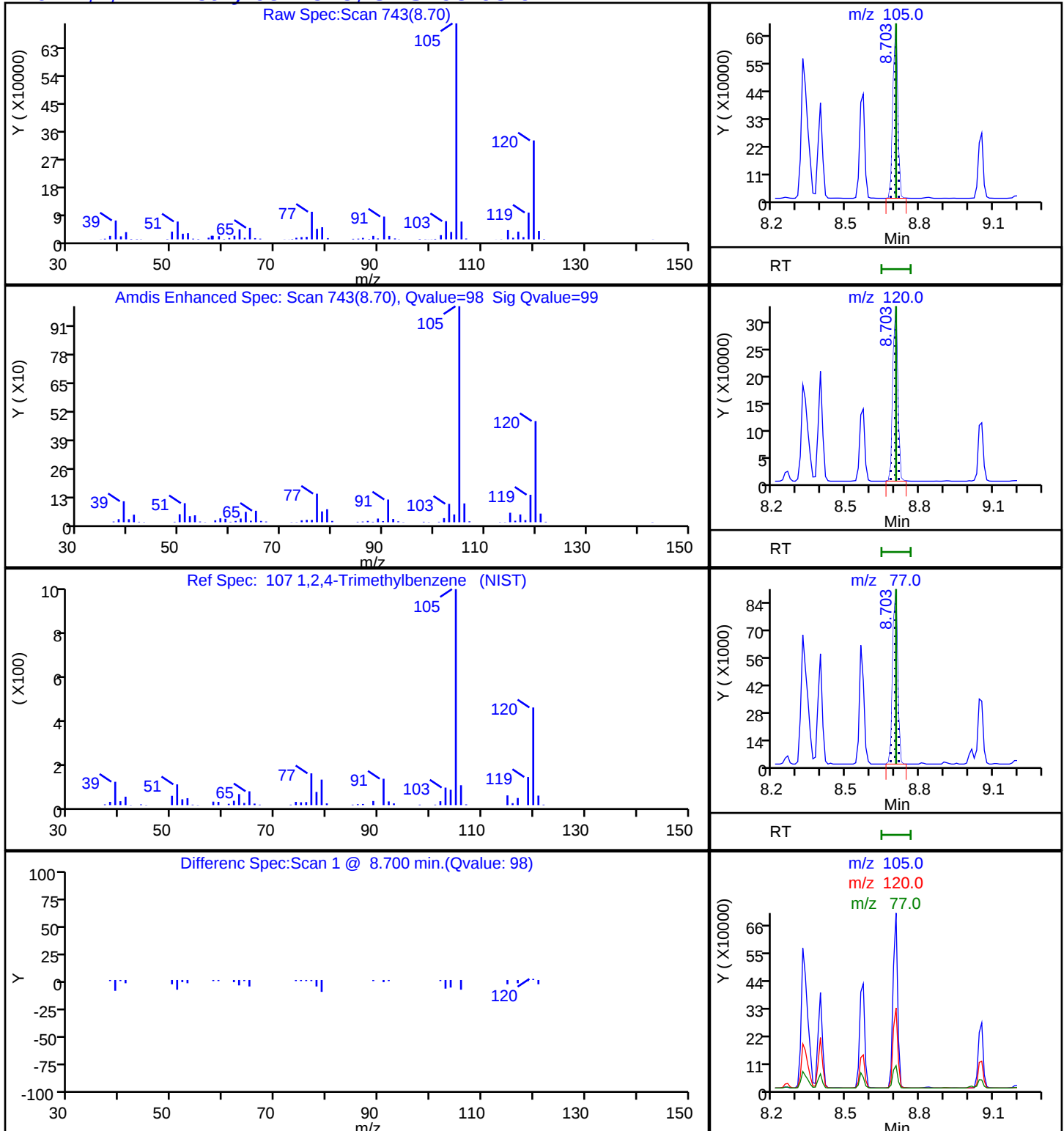
Dil. Factor: 10.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0740.D

Injection Date: 10-May-2019 03:34:30

Instrument ID: HP5975T

Lims ID: 480-152909-A-10

Lab Sample ID: 480-152909-10

Client ID: IW-2-050119

Operator ID: AEM

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 5.000 mL

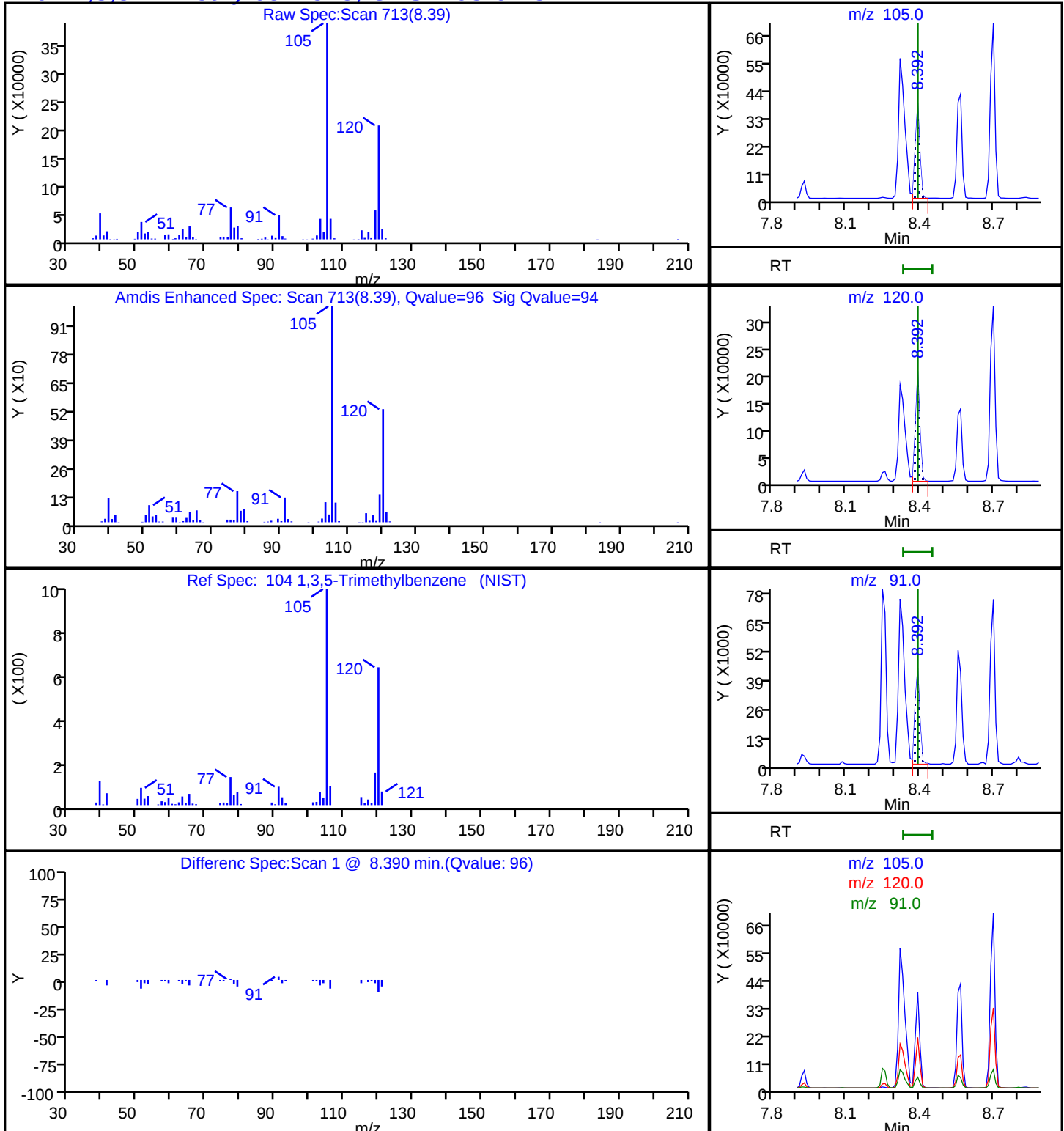
Dil. Factor: 10.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0740.D

Injection Date: 10-May-2019 03:34:30

Instrument ID: HP5975T

Lims ID: 480-152909-A-10

Lab Sample ID: 480-152909-10

Client ID: IW-2-050119

Operator ID: AEM

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 5.000 mL

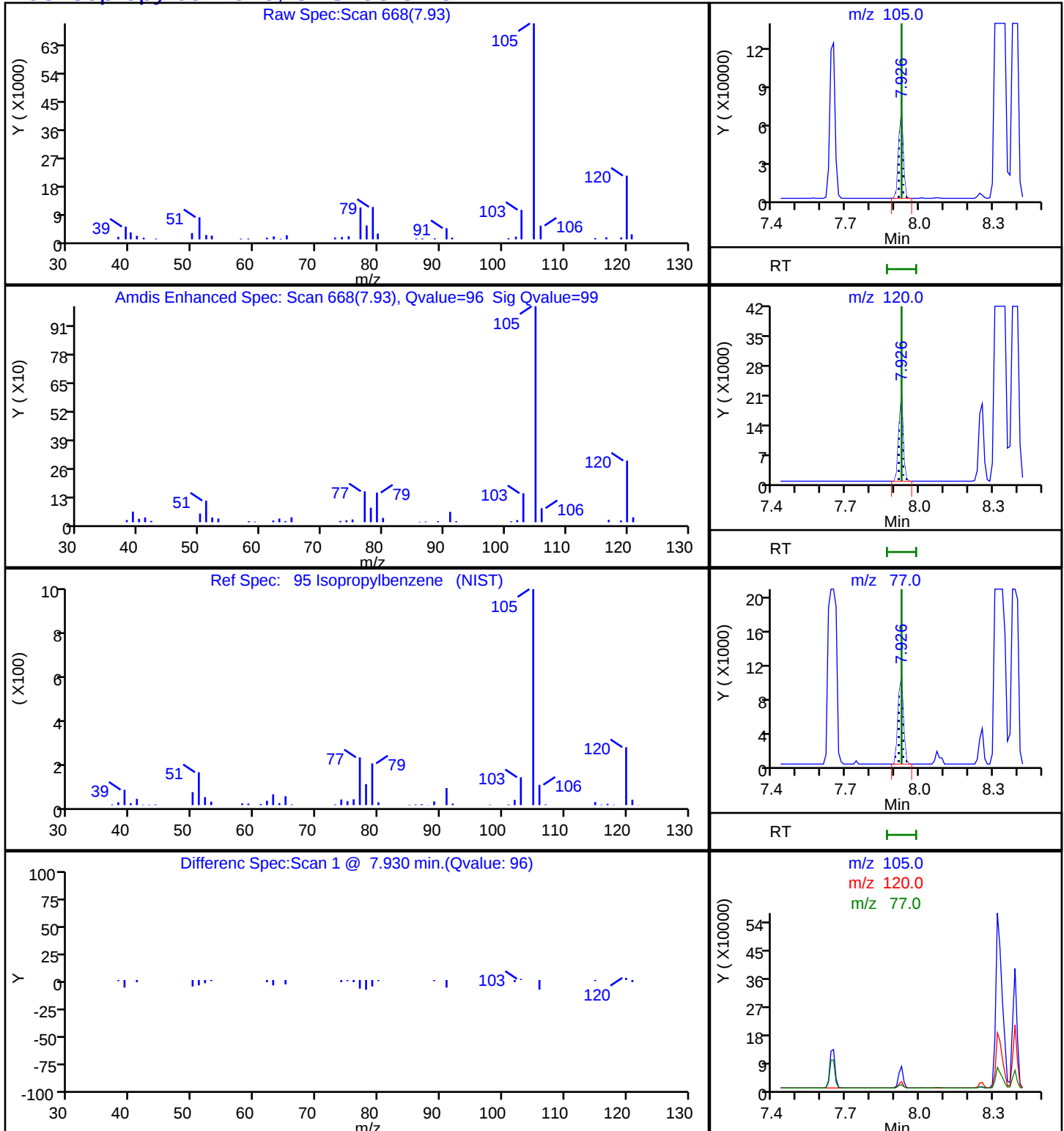
Dil. Factor: 10.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

95 Isopropylbenzene, CAS: 98-82-8

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0740.D

Injection Date: 10-May-2019 03:34:30

Instrument ID: HP5975T

Lims ID: 480-152909-A-10

Lab Sample ID: 480-152909-10

Client ID: IW-2-050119

Operator ID: AEM

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 5.000 mL

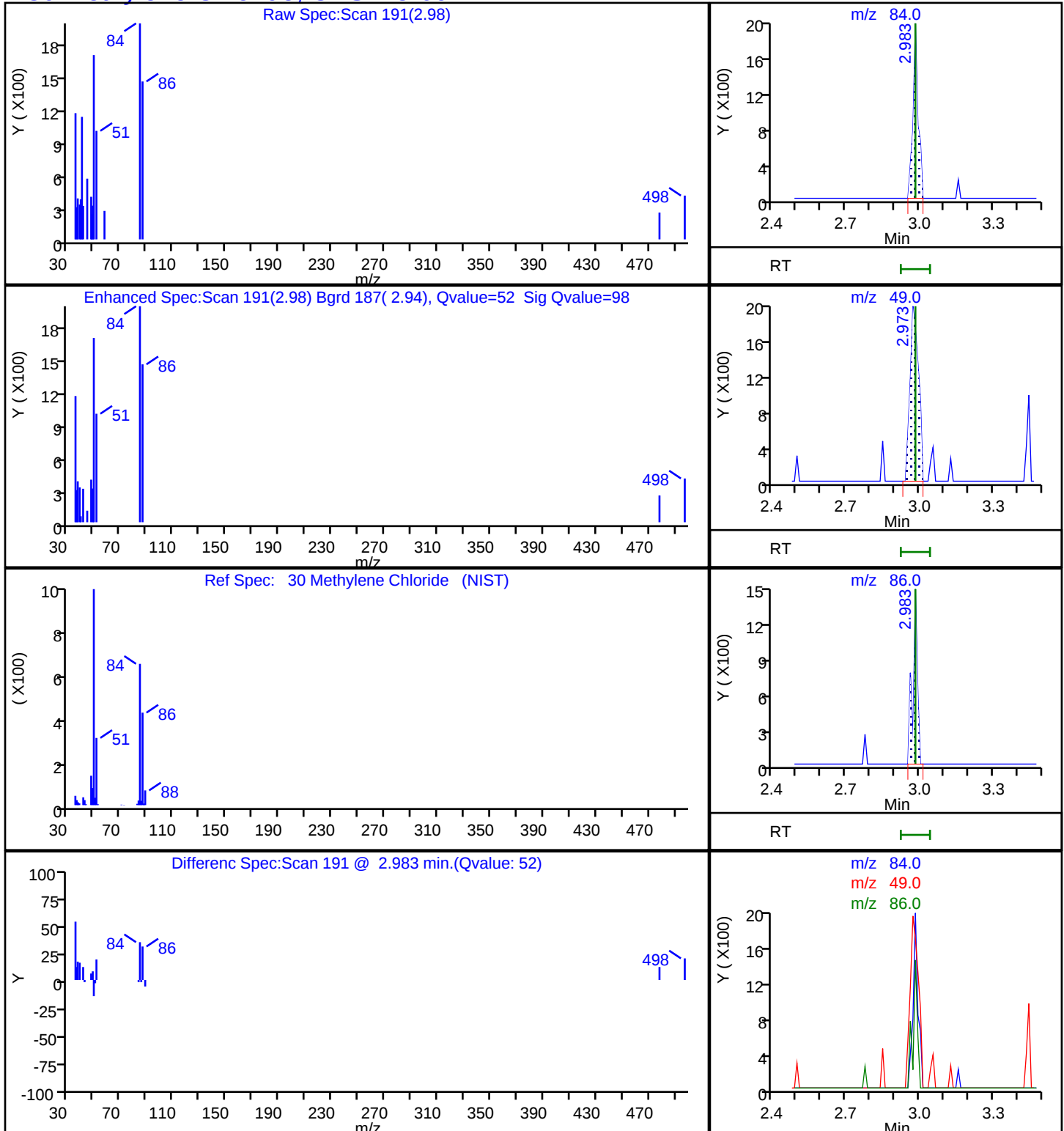
Dil. Factor: 10.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

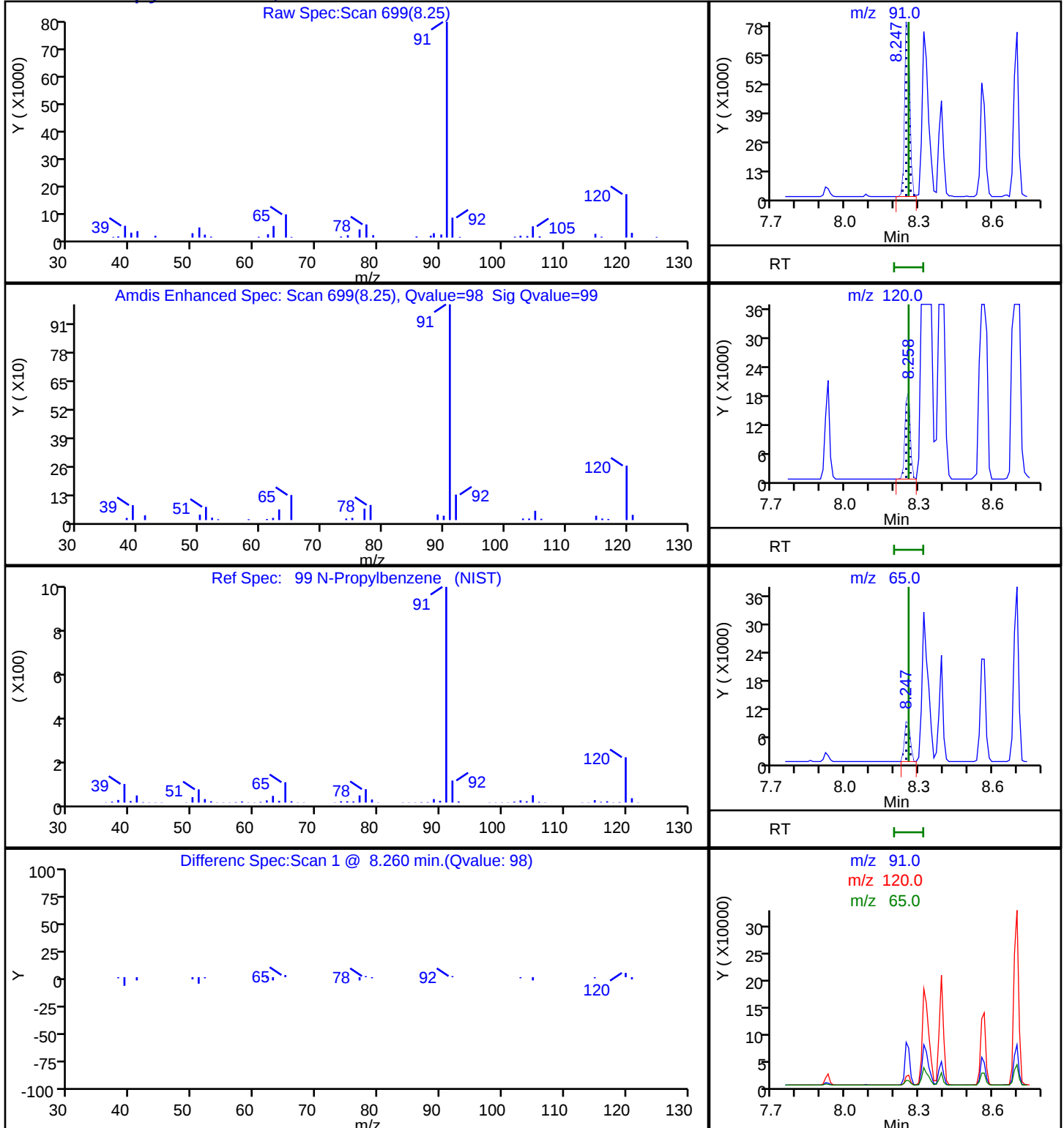
Column: ZB-624 (0.18 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0740.D
Injection Date: 10-May-2019 03:34:30 Instrument ID: HP5975T
Lims ID: 480-152909-A-10 Lab Sample ID: 480-152909-10
Client ID: IW-2-050119
Operator ID: AEM ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0740.D

Injection Date: 10-May-2019 03:34:30

Instrument ID: HP5975T

Lims ID: 480-152909-A-10

Lab Sample ID: 480-152909-10

Client ID: IW-2-050119

Operator ID: AEM

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 5.000 mL

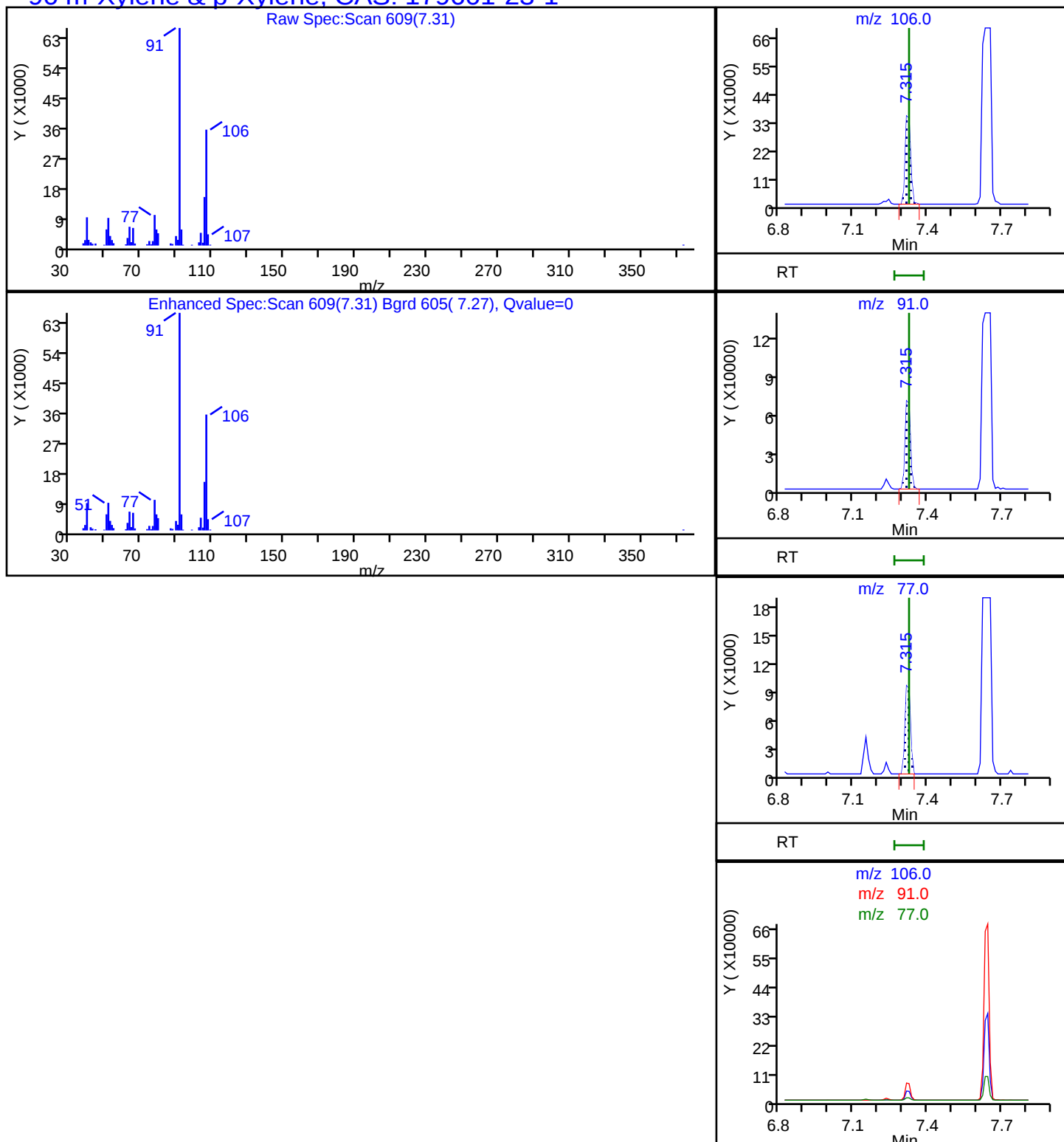
Dil. Factor: 10.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0740.D

Injection Date: 10-May-2019 03:34:30

Instrument ID: HP5975T

Lims ID: 480-152909-A-10

Lab Sample ID: 480-152909-10

Client ID: IW-2-050119

Operator ID: AEM

ALS Bottle#: 18

Worklist Smp#: 19

Purge Vol: 5.000 mL

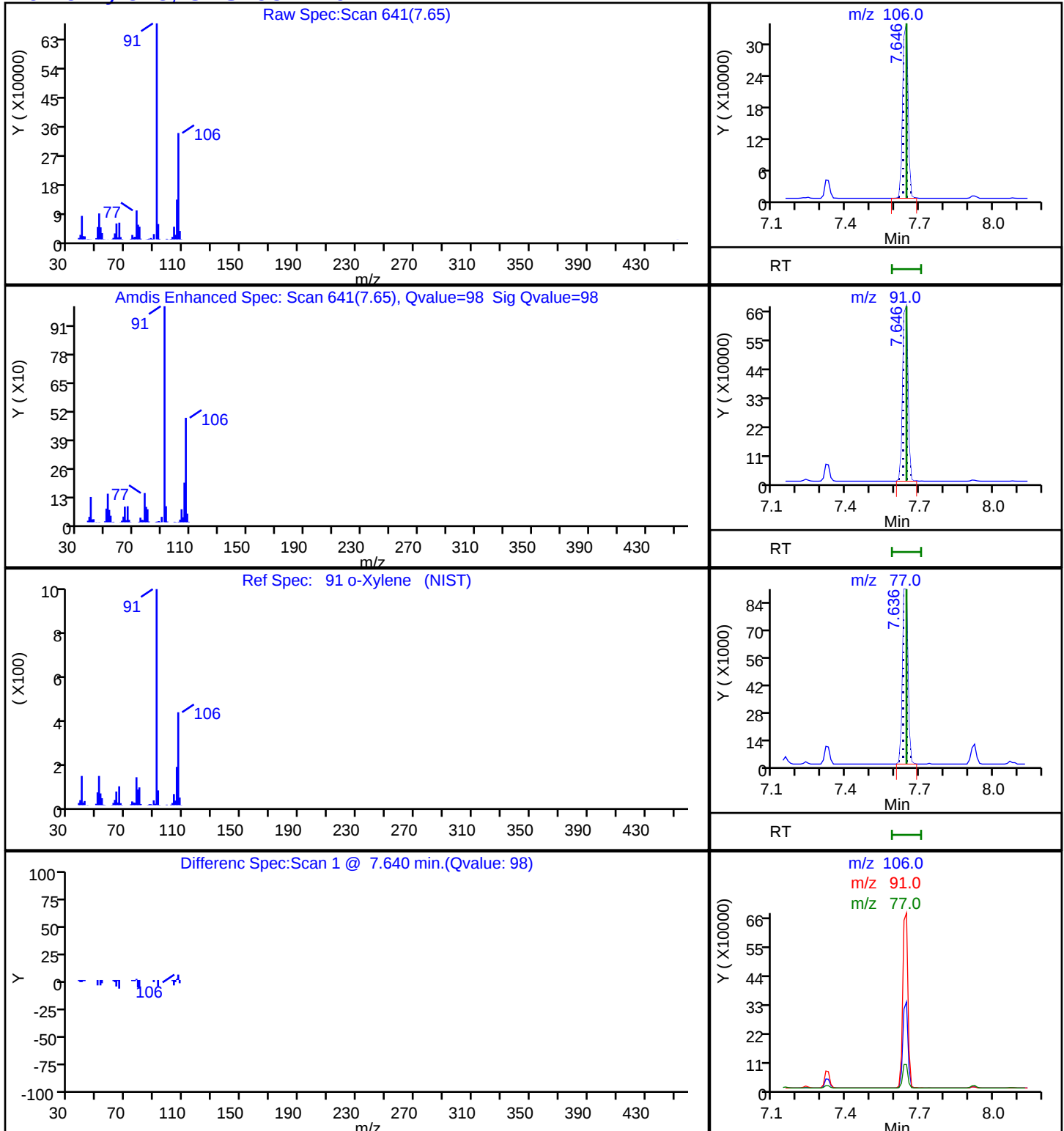
Dil. Factor: 10.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

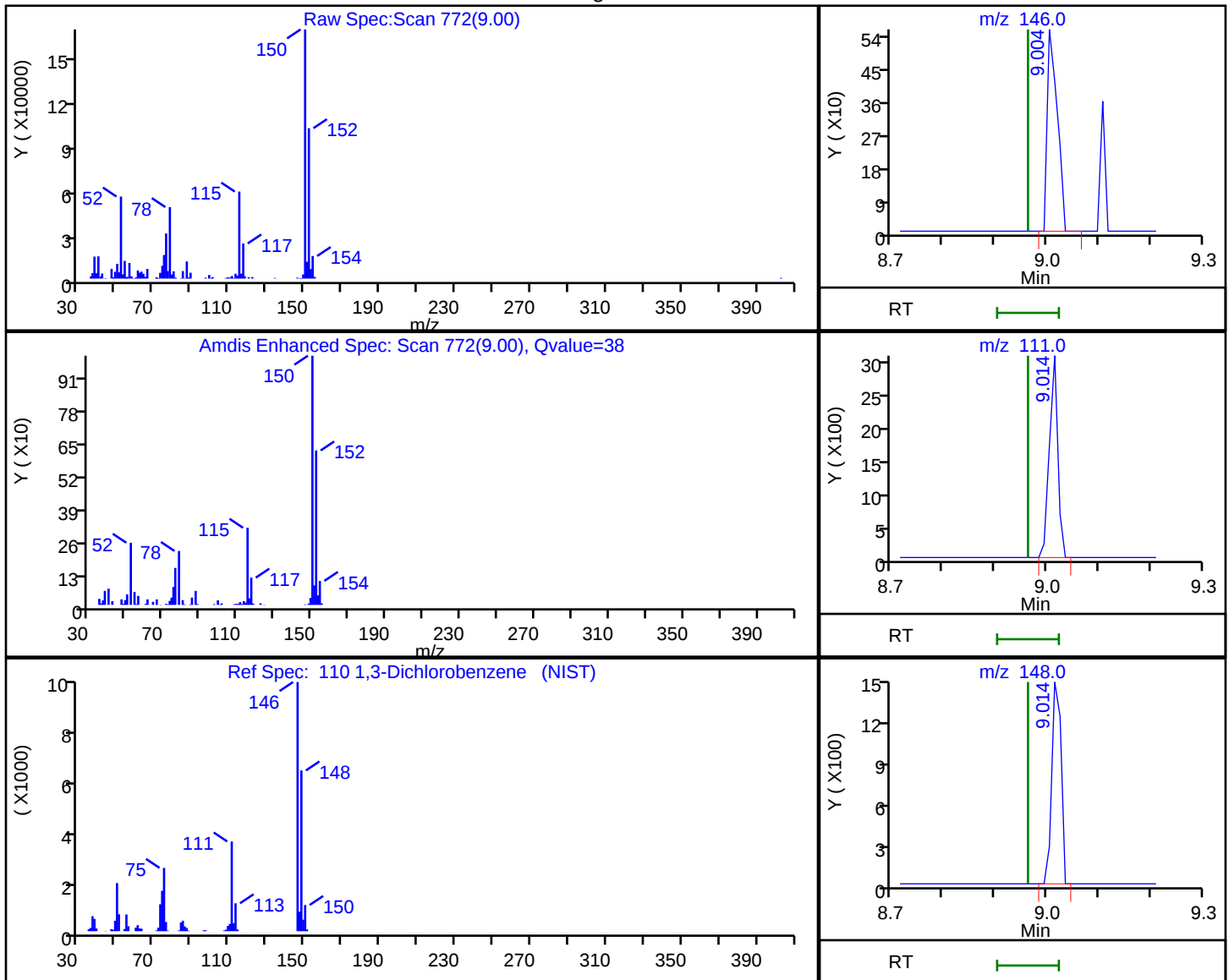
91 o-Xylene, CAS: 95-47-6

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0740.D
Injection Date: 10-May-2019 03:34:30 Instrument ID: HP5975T
Lims ID: 480-152909-A-10 Lab Sample ID: 480-152909-10
Client ID: IW-2-050119
Operator ID: AEM ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

110 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
9.00	146.00	755	0.059778
9.01	111.00	3456	
9.01	148.00	1787	

Reviewer: nowakk, 10-May-2019 09:08:11

Audit Action: Marked Compound Undetected

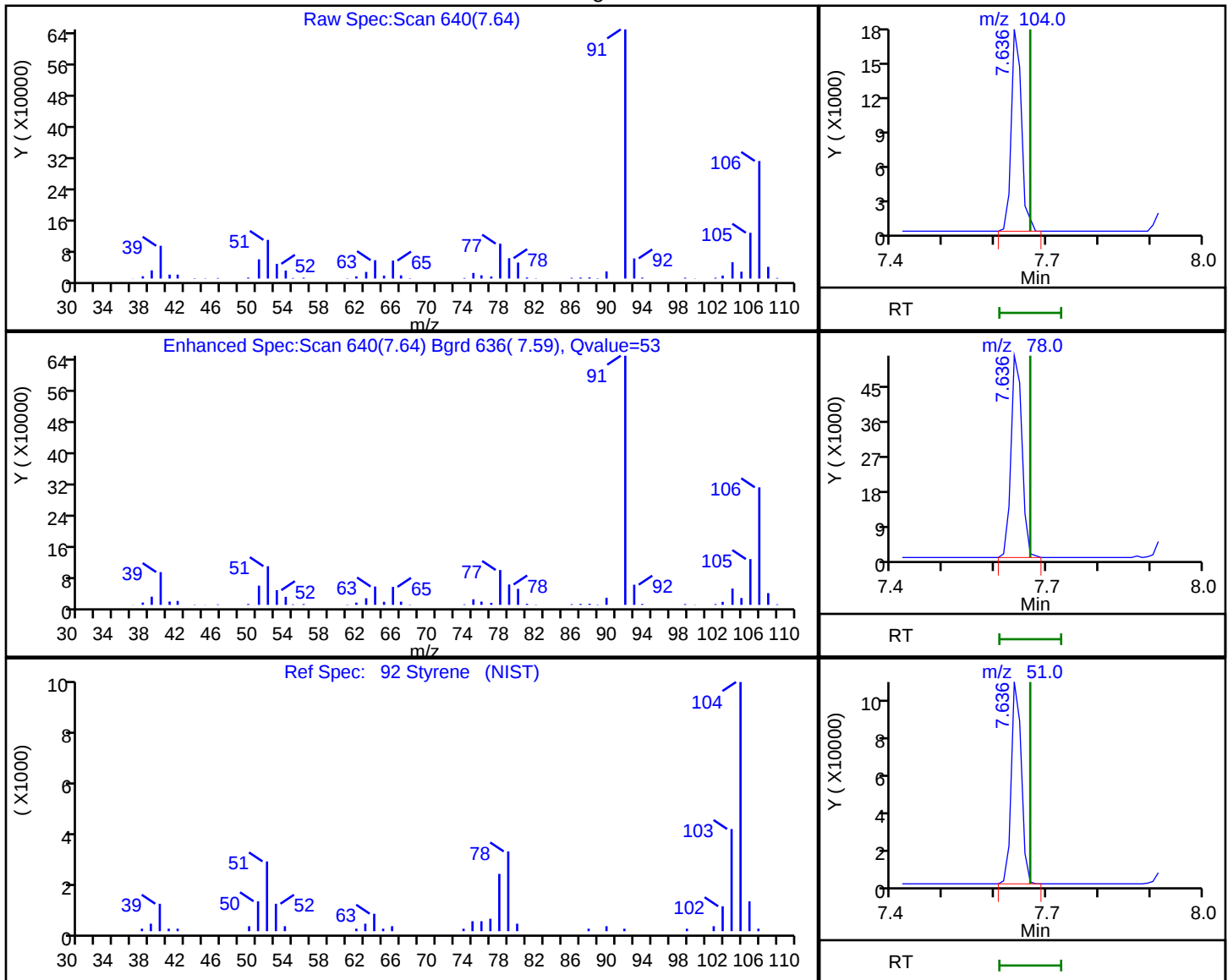
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0740.D
Injection Date: 10-May-2019 03:34:30 Instrument ID: HP5975T
Lims ID: 480-152909-A-10 Lab Sample ID: 480-152909-10
Client ID: IW-2-050119
Operator ID: AEM ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

92 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
7.64	104.00	24148	1.601042
7.64	78.00	78171	
7.64	51.00	135054	

Reviewer: nowakk, 10-May-2019 09:08:03

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.: 480-152909-1
 SDG No.: _____
 Client Sample ID: VRI-I-050119 Lab Sample ID: 480-152909-11
 Matrix: Water Lab File ID: T0741.D
 Analysis Method: 8260C Date Collected: 05/01/2019 05:00
 Sample wt/vol: 5 (mL) Date Analyzed: 05/10/2019 03:58
 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.: 472168 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	1.8		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	18		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	*	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND	*	1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: VRI-I-050119 Lab Sample ID: 480-152909-11
 Matrix: Water Lab File ID: T0741.D
 Analysis Method: 8260C Date Collected: 05/01/2019 05:00
 Sample wt/vol: 5 (mL) Date Analyzed: 05/10/2019 03:58
 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.: 472168 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	1.3		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
103-65-1	N-Propylbenzene	1.1		1.0	0.69
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	13		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0741.D
 Lims ID: 480-152909-A-11
 Client ID: VRI-I-050119
 Sample Type: Client
 Inject. Date: 10-May-2019 03:58:30 ALS Bottle#: 19 Worklist Smp#: 20
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-152909-A-11
 Misc. Info.: 480-0080959-020
 Operator ID: AEM Instrument ID: HP5975T
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-May-2019 09:08:48 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0302

First Level Reviewer: nowakk

Date: 10-May-2019 09:08:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.859	4.858	0.001	98	101208	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	88	382085	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	96	208758	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	89	126782	24.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	157847	25.8	
\$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.001	95	489065	24.1	
\$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.081	0.001	0	166581	27.6	
11 Dichlorodifluoromethane	85		1.273				ND	
13 Chloromethane	50		1.428				ND	
14 Vinyl chloride	62		1.511				ND	
15 Bromomethane	94		1.781				ND	
16 Chloroethane	64		1.832				ND	
17 Trichlorofluoromethane	101		2.071				ND	
22 1,1-Dichloroethene	96		2.506				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.506				ND	
23 Acetone	43		2.620				ND	U
25 Carbon disulfide	76		2.693				ND	
28 Methyl acetate	43		2.879				ND	
30 Methylene Chloride	84		2.983				ND	
33 Methyl tert-butyl ether	73		3.169				ND	
32 trans-1,2-Dichloroethene	96		3.180				ND	
36 1,1-Dichloroethane	63		3.542				ND	
43 cis-1,2-Dichloroethene	96		4.009				ND	
44 2-Butanone (MEK)	43		4.029				ND	
50 Chloroform	83		4.268				ND	
51 1,1,1-Trichloroethane	97		4.361				ND	
52 Cyclohexane	56		4.371				ND	
53 Carbon tetrachloride	117		4.475				ND	
55 Benzene	78		4.641				ND	
57 1,2-Dichloroethane	62		4.703				ND	
60 Trichloroethene	95		5.128				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.221				ND	
63 1,2-Dichloropropane	63		5.314				ND	
67 Dichlorobromomethane	83		5.542				ND	
71 cis-1,3-Dichloropropene	75		5.853				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.967				ND	
73 Toluene	92		6.081				ND	
75 trans-1,3-Dichloropropene	75		6.289				ND	
78 1,1,2-Trichloroethane	83		6.434				ND	
79 Tetrachloroethene	166		6.485				ND	
81 2-Hexanone	43		6.599				ND	
82 Chlorodibromomethane	129		6.734				ND	
83 Ethylene Dibromide	107		6.817				ND	
86 Chlorobenzene	112		7.169				ND	
88 Ethylbenzene	91		7.232				ND	
90 m-Xylene & p-Xylene	106		7.325				ND	
91 o-Xylene	106	7.636	7.646	-0.010	98	116661	12.6	
92 Styrene	104		7.667				ND	
93 Bromoform	173		7.864				ND	
95 Isopropylbenzene	105	7.926	7.926	0.000	96	31213	1.28	
98 1,1,2,2-Tetrachloroethane	83		8.237				ND	
99 N-Propylbenzene	91	8.247	8.258	-0.011	97	33096	1.08	
104 1,3,5-Trimethylbenzene	105	8.393	8.392	0.000	97	389107	17.9	
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	97	39756	1.81	
110 1,3-Dichlorobenzene	146		8.962				ND	
113 1,4-Dichlorobenzene	146		9.035				ND	
116 1,2-Dichlorobenzene	146		9.346				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.019				ND	
119 1,2,4-Trichlorobenzene	180		10.662				ND	
S 126 Xylenes, Total	1				0		12.6	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00189

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0741.D

Injection Date: 10-May-2019 03:58:30

Instrument ID: HP5975T

Operator ID: AEM

Lims ID: 480-152909-A-11

Lab Sample ID: 480-152909-11

Worklist Smp#: 20

Client ID: VRI-I-050119

Purge Vol: 5.000 mL

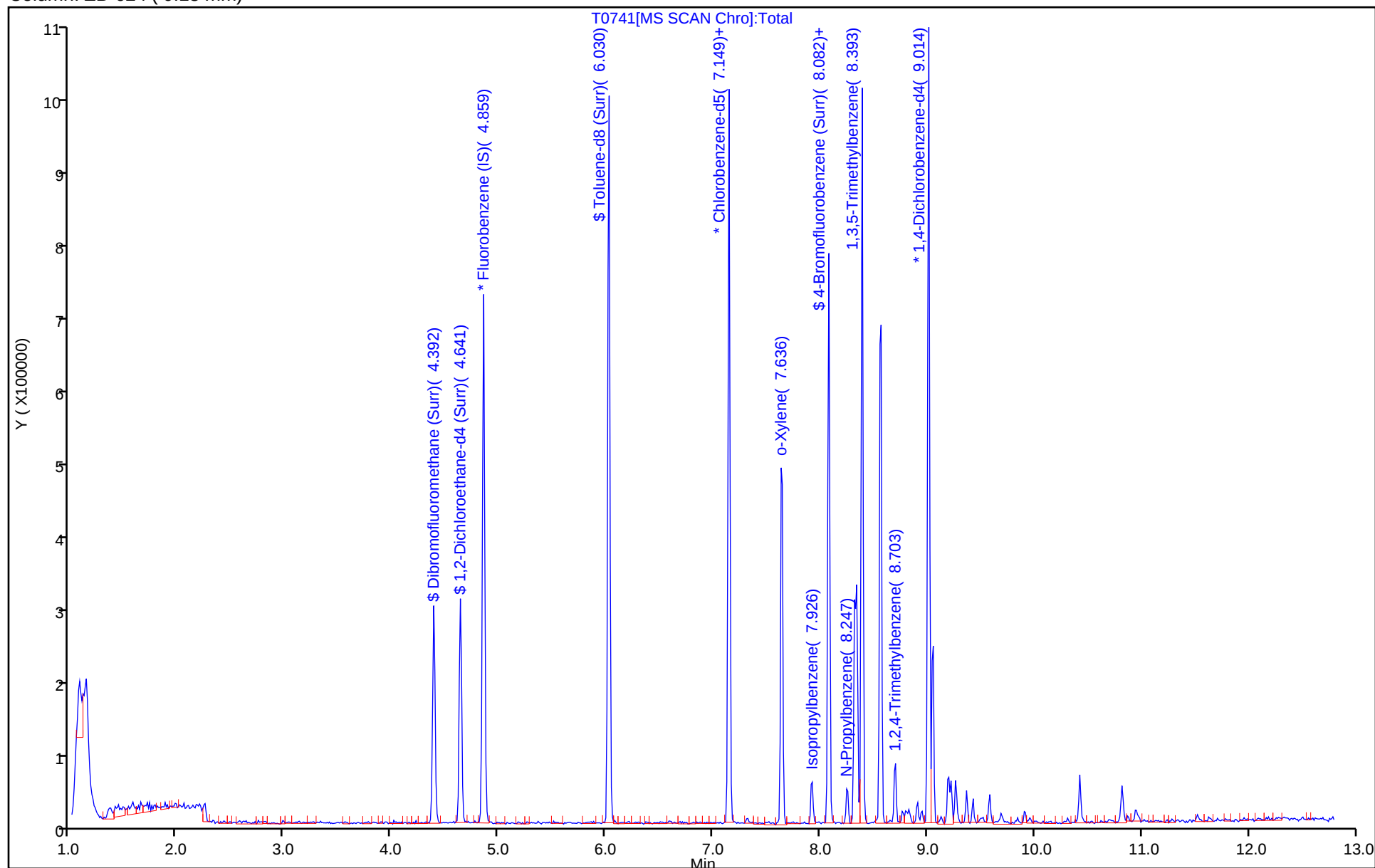
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0741.D

Injection Date: 10-May-2019 03:58:30

Instrument ID: HP5975T

Lims ID: 480-152909-A-11

Lab Sample ID: 480-152909-11

Client ID: VRI-I-050119

Operator ID: AEM

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 5.000 mL

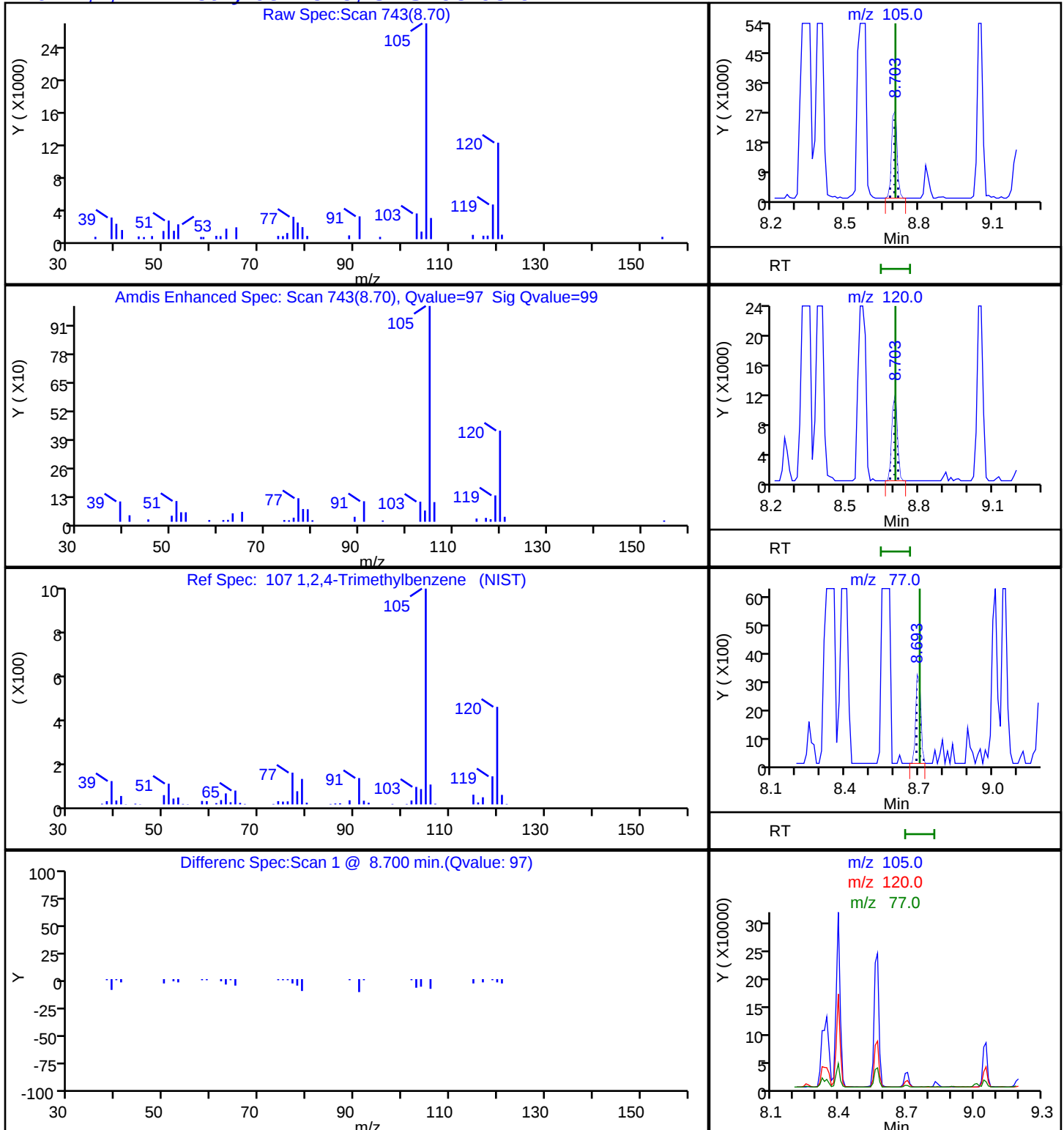
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

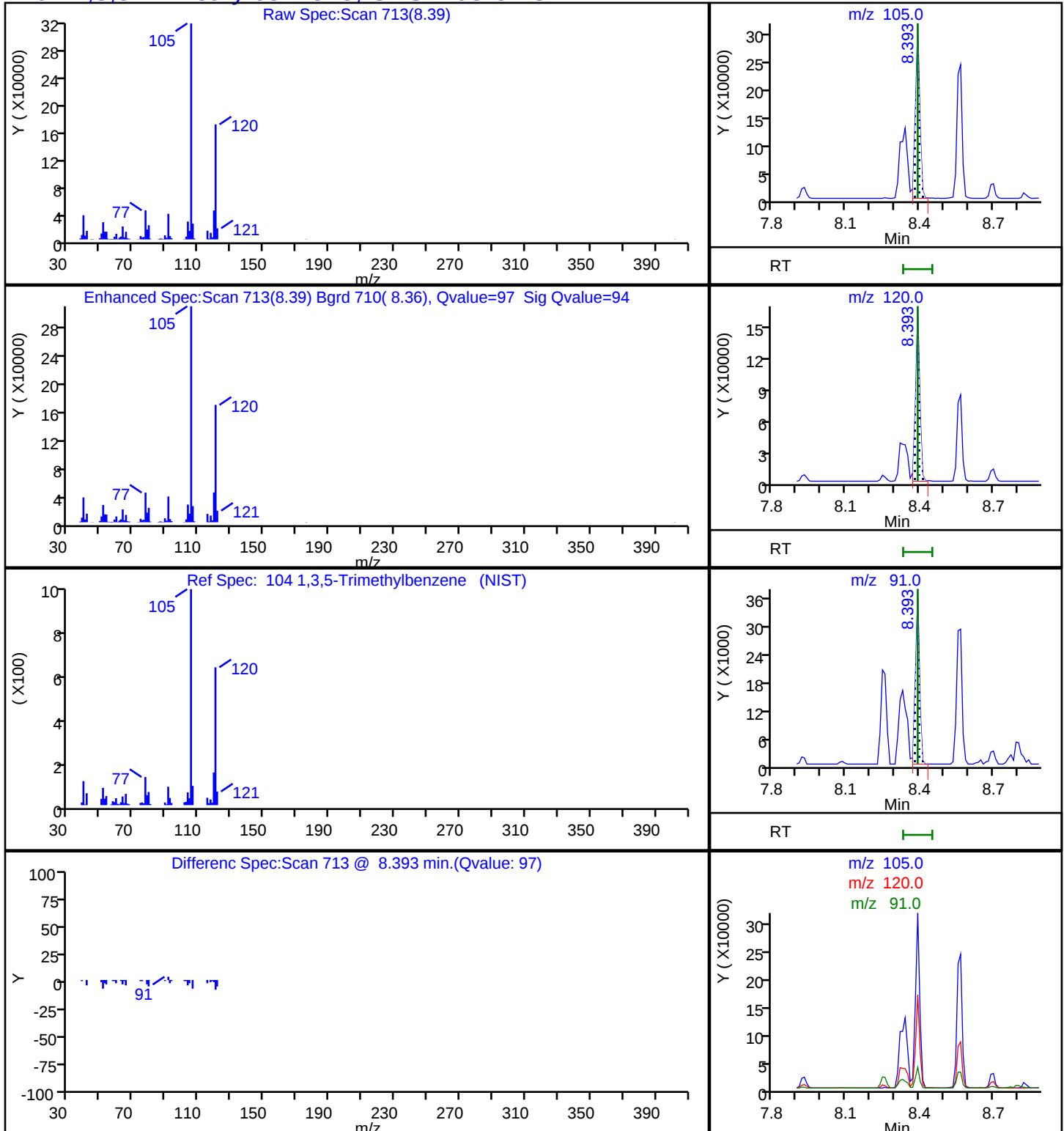
Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0741.D
Injection Date: 10-May-2019 03:58:30 Instrument ID: HP5975T
Lims ID: 480-152909-A-11 Lab Sample ID: 480-152909-11
Client ID: VRI-I-050119
Operator ID: AEM ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0741.D

Injection Date: 10-May-2019 03:58:30

Instrument ID: HP5975T

Lims ID: 480-152909-A-11

Lab Sample ID: 480-152909-11

Client ID: VRI-I-050119

Operator ID: AEM

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 5.000 mL

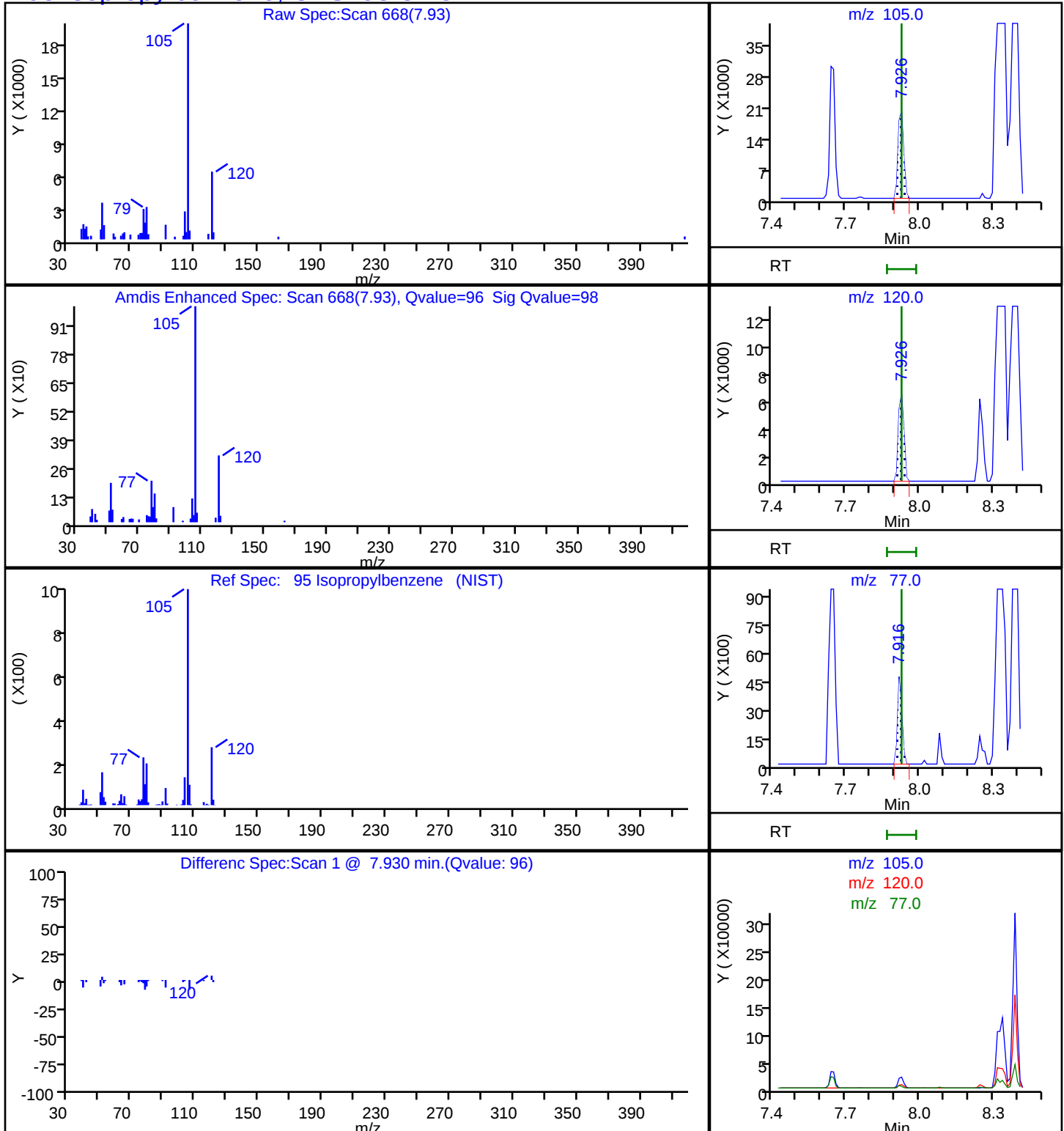
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

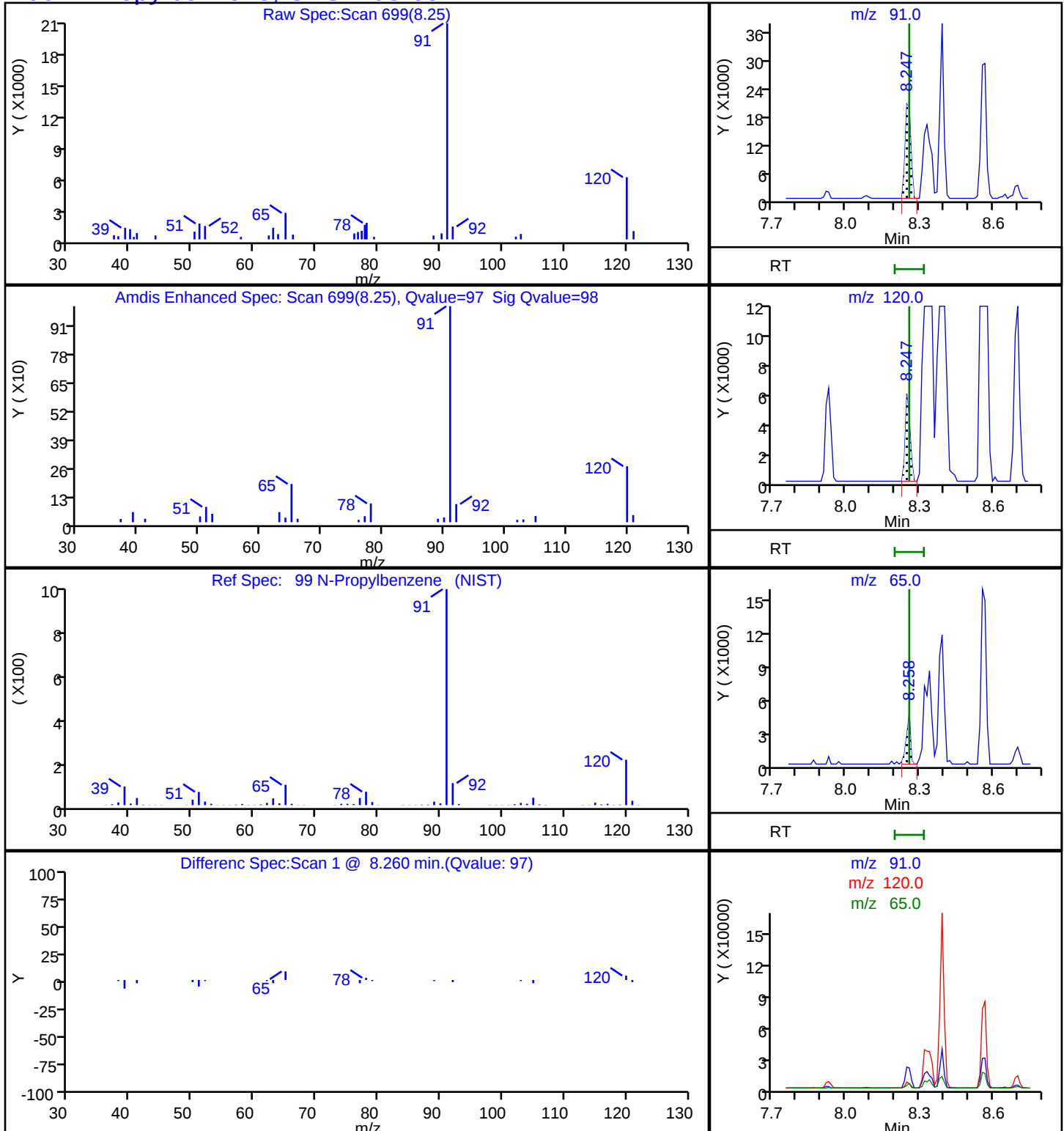
Column: ZB-624 (0.18 mm)

Detector: MS SCAN

95 Isopropylbenzene, CAS: 98-82-8

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0741.D
Injection Date: 10-May-2019 03:58:30 Instrument ID: HP5975T
Lims ID: 480-152909-A-11 Lab Sample ID: 480-152909-11
Client ID: VRI-I-050119
Operator ID: AEM ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0741.D

Injection Date: 10-May-2019 03:58:30

Instrument ID: HP5975T

Lims ID: 480-152909-A-11

Lab Sample ID: 480-152909-11

Client ID: VRI-I-050119

Operator ID: AEM

ALS Bottle#: 19

Worklist Smp#: 20

Purge Vol: 5.000 mL

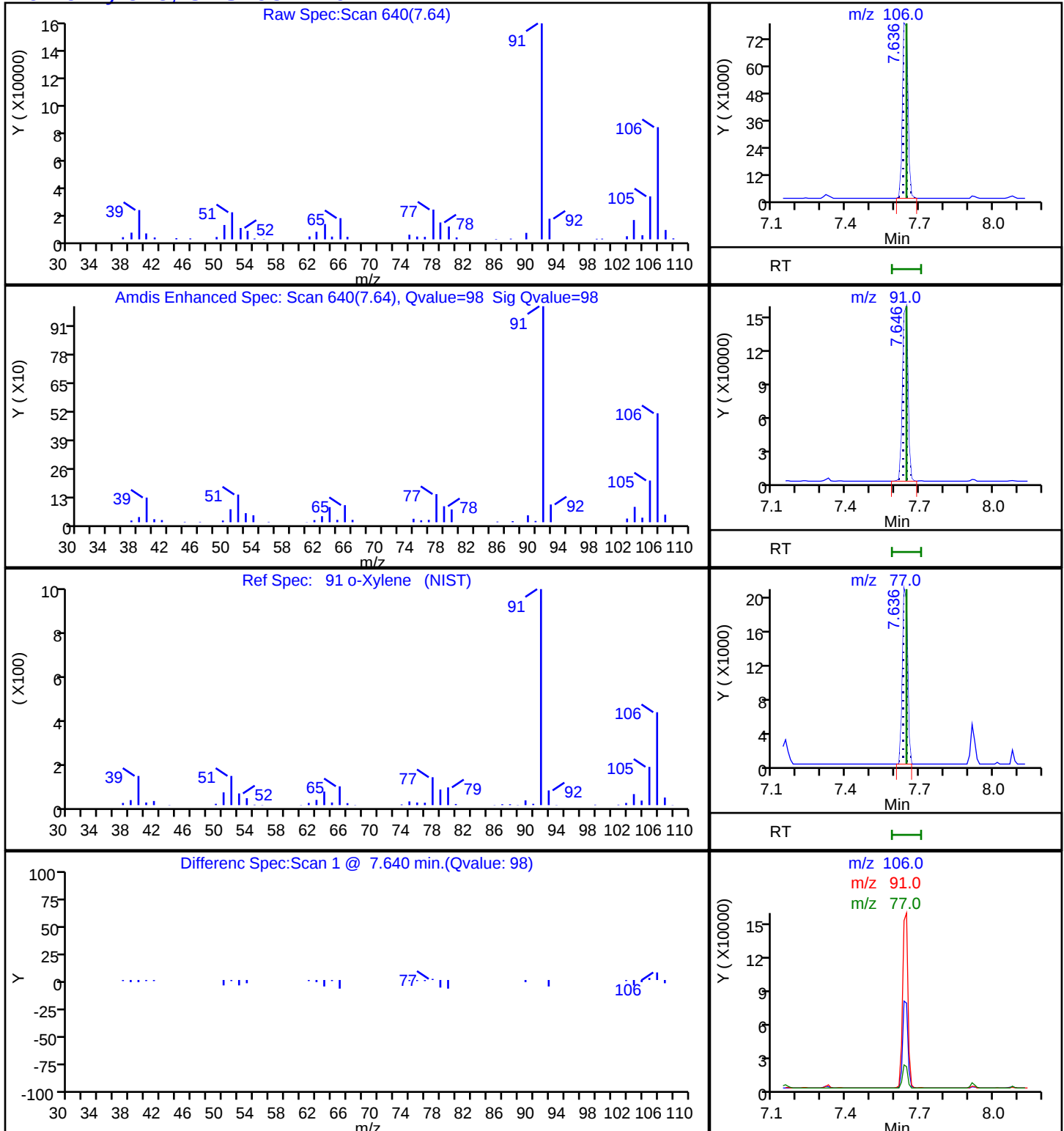
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0741.D

Injection Date: 10-May-2019 03:58:30

Instrument ID: HP5975T

Lims ID: 480-152909-A-11

Lab Sample ID: 480-152909-11

Client ID: VRI-I-050119

Operator ID: AEM

ALS Bottle#: 19 Worklist Smp#: 20

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

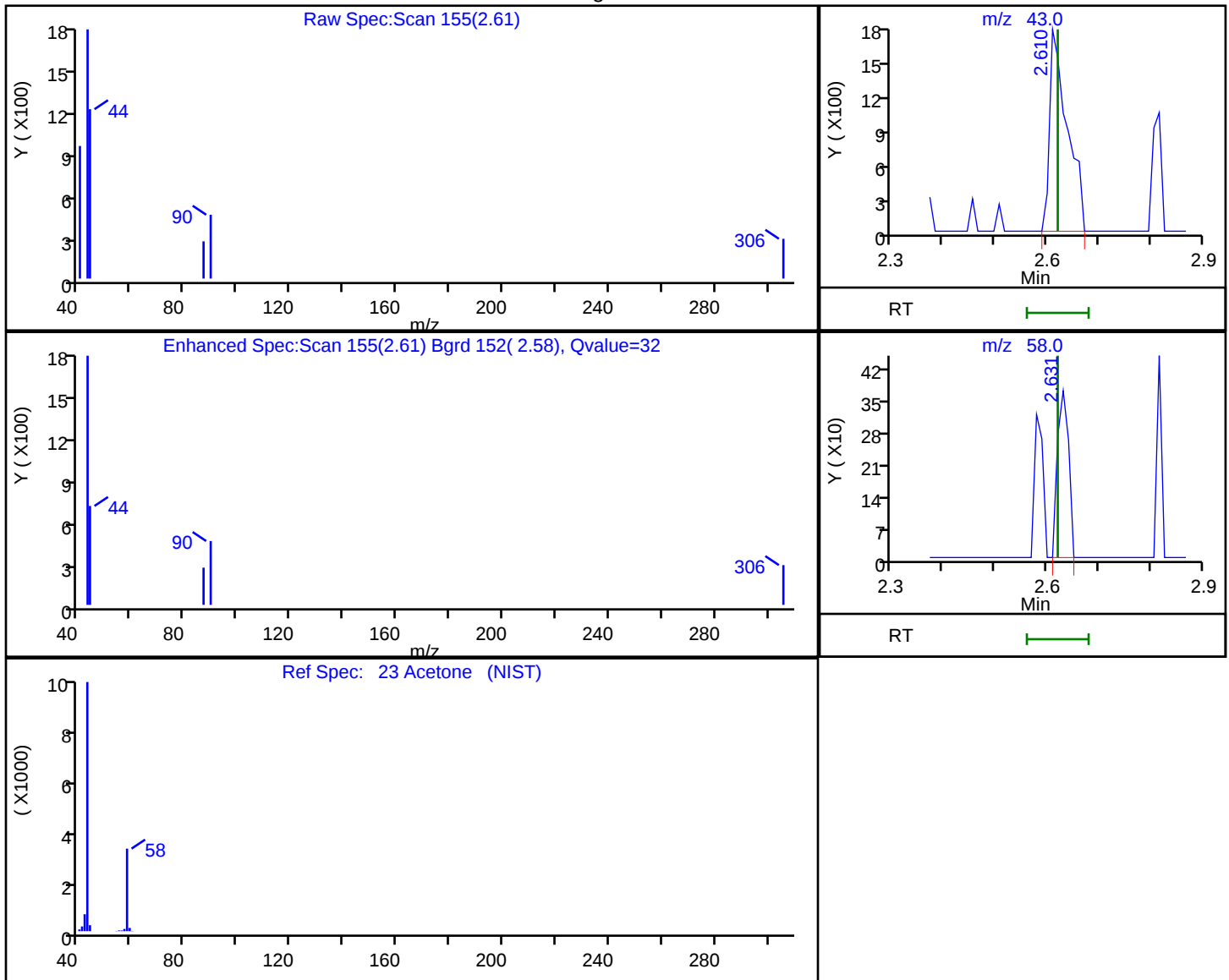
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.61	43.00	4190	2.848404
2.63	58.00	563	

Reviewer: nowakk, 10-May-2019 09:08:24

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.: 480-152909-1
 SDG No.: _____
 Client Sample ID: TRIP BLANK Lab Sample ID: 480-152909-12
 Matrix: Water Lab File ID: T0742.D
 Analysis Method: 8260C Date Collected: 05/01/2019 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 05/10/2019 04:27
 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.: 472168 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	*	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND	*	1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: TRIP BLANK Lab Sample ID: 480-152909-12
 Matrix: Water Lab File ID: T0742.D
 Analysis Method: 8260C Date Collected: 05/01/2019 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 05/10/2019 04:27
 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.: 472168 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	114		75-123
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0742.D
 Lims ID: 480-152909-A-12
 Client ID: TRIP BLANK
 Sample Type: Client
 Inject. Date: 10-May-2019 04:27:30 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-152909-A-12
 Misc. Info.: 480-0080959-021
 Operator ID: AEM Instrument ID: HP5975T
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-May-2019 09:09:09 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0302

First Level Reviewer: nowakk

Date: 10-May-2019 09:09:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.859	4.858	0.001	98	92292	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	89	372665	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	94	202784	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	90	136158	28.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	151356	27.1	
\$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.001	96	489753	24.7	
\$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.081	0.001	0	155722	26.5	
11 Dichlorodifluoromethane	85		1.273				ND	
13 Chloromethane	50		1.428				ND	
14 Vinyl chloride	62		1.511				ND	
15 Bromomethane	94		1.781				ND	
16 Chloroethane	64		1.832				ND	
17 Trichlorofluoromethane	101		2.071				ND	
22 1,1-Dichloroethene	96		2.506				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.506				ND	
23 Acetone	43		2.620				ND	
25 Carbon disulfide	76		2.693				ND	
28 Methyl acetate	43		2.879				ND	
30 Methylene Chloride	84		2.983				ND	
33 Methyl tert-butyl ether	73		3.169				ND	
32 trans-1,2-Dichloroethene	96		3.180				ND	
36 1,1-Dichloroethane	63		3.542				ND	
43 cis-1,2-Dichloroethene	96		4.009				ND	
44 2-Butanone (MEK)	43		4.029				ND	
50 Chloroform	83		4.268				ND	
51 1,1,1-Trichloroethane	97		4.361				ND	
52 Cyclohexane	56		4.371				ND	
53 Carbon tetrachloride	117		4.475				ND	
55 Benzene	78		4.641				ND	
57 1,2-Dichloroethane	62		4.703				ND	U
60 Trichloroethene	95		5.128				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.221				ND	
63 1,2-Dichloropropane	63		5.314				ND	
67 Dichlorobromomethane	83		5.542				ND	
71 cis-1,3-Dichloropropene	75		5.853				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.967				ND	
73 Toluene	92		6.081				ND	
75 trans-1,3-Dichloropropene	75		6.289				ND	
78 1,1,2-Trichloroethane	83		6.434				ND	
79 Tetrachloroethene	166		6.485				ND	
81 2-Hexanone	43		6.599				ND	
82 Chlorodibromomethane	129		6.734				ND	
83 Ethylene Dibromide	107		6.817				ND	
86 Chlorobenzene	112		7.169				ND	
88 Ethylbenzene	91		7.232				ND	
90 m-Xylene & p-Xylene	106		7.325				ND	
91 o-Xylene	106		7.646				ND	
92 Styrene	104		7.667				ND	
93 Bromoform	173		7.864				ND	
95 Isopropylbenzene	105		7.926				ND	
98 1,1,2,2-Tetrachloroethane	83		8.237				ND	
99 N-Propylbenzene	91		8.258				ND	
104 1,3,5-Trimethylbenzene	105		8.392				ND	
107 1,2,4-Trimethylbenzene	105		8.703				ND	
110 1,3-Dichlorobenzene	146		8.962				ND	
113 1,4-Dichlorobenzene	146		9.035				ND	
116 1,2-Dichlorobenzene	146		9.346				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.019				ND	
119 1,2,4-Trichlorobenzene	180		10.662				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00189

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 10-May-2019 09:09:09

Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0742.D

Injection Date: 10-May-2019 04:27:30

Instrument ID: HP5975T

Operator ID: AEM

Lims ID: 480-152909-A-12

Lab Sample ID: 480-152909-12

Worklist Smp#: 21

Client ID: TRIP BLANK

Purge Vol: 5.000 mL

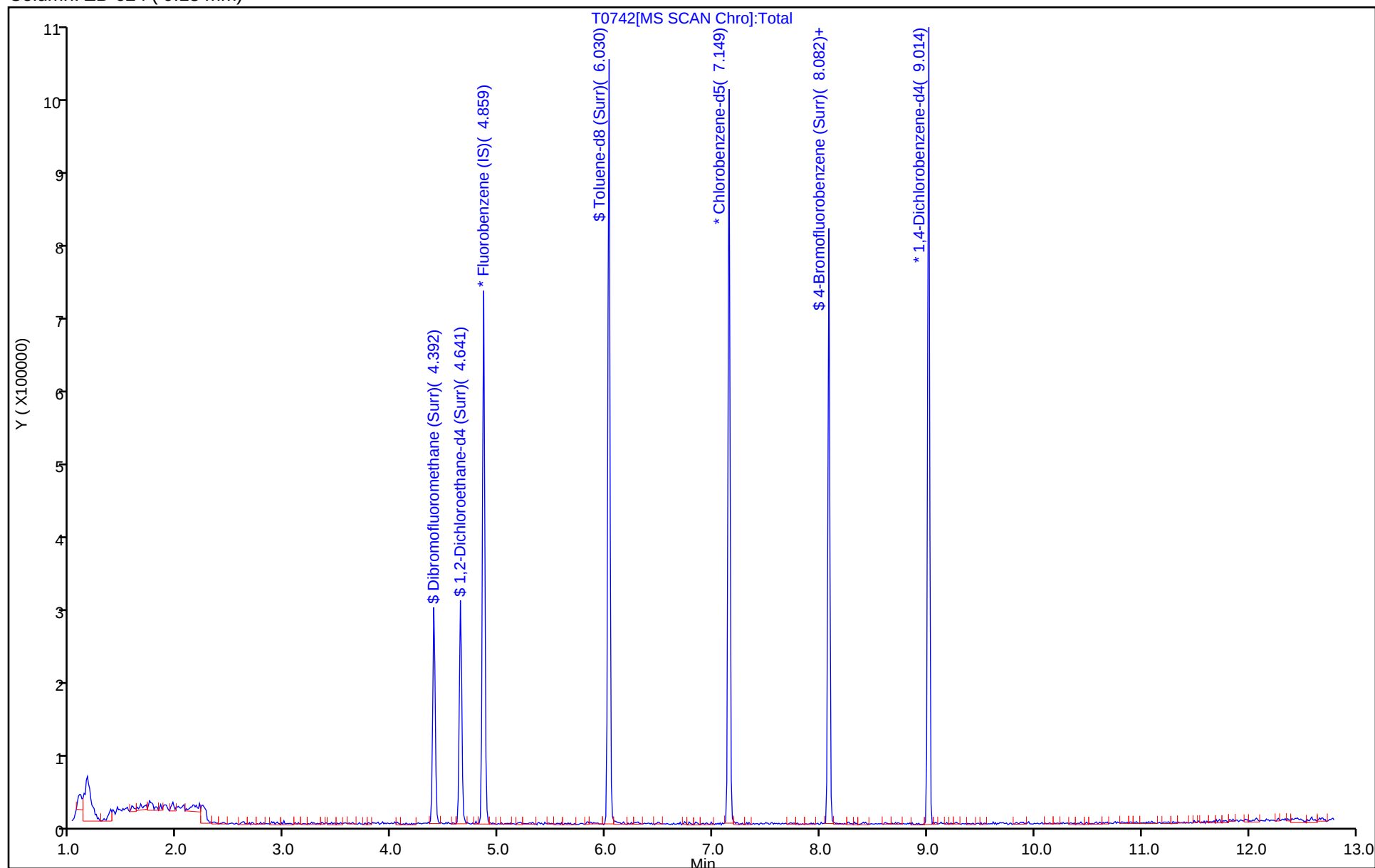
Dil. Factor: 1.0000

ALS Bottle#: 20

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

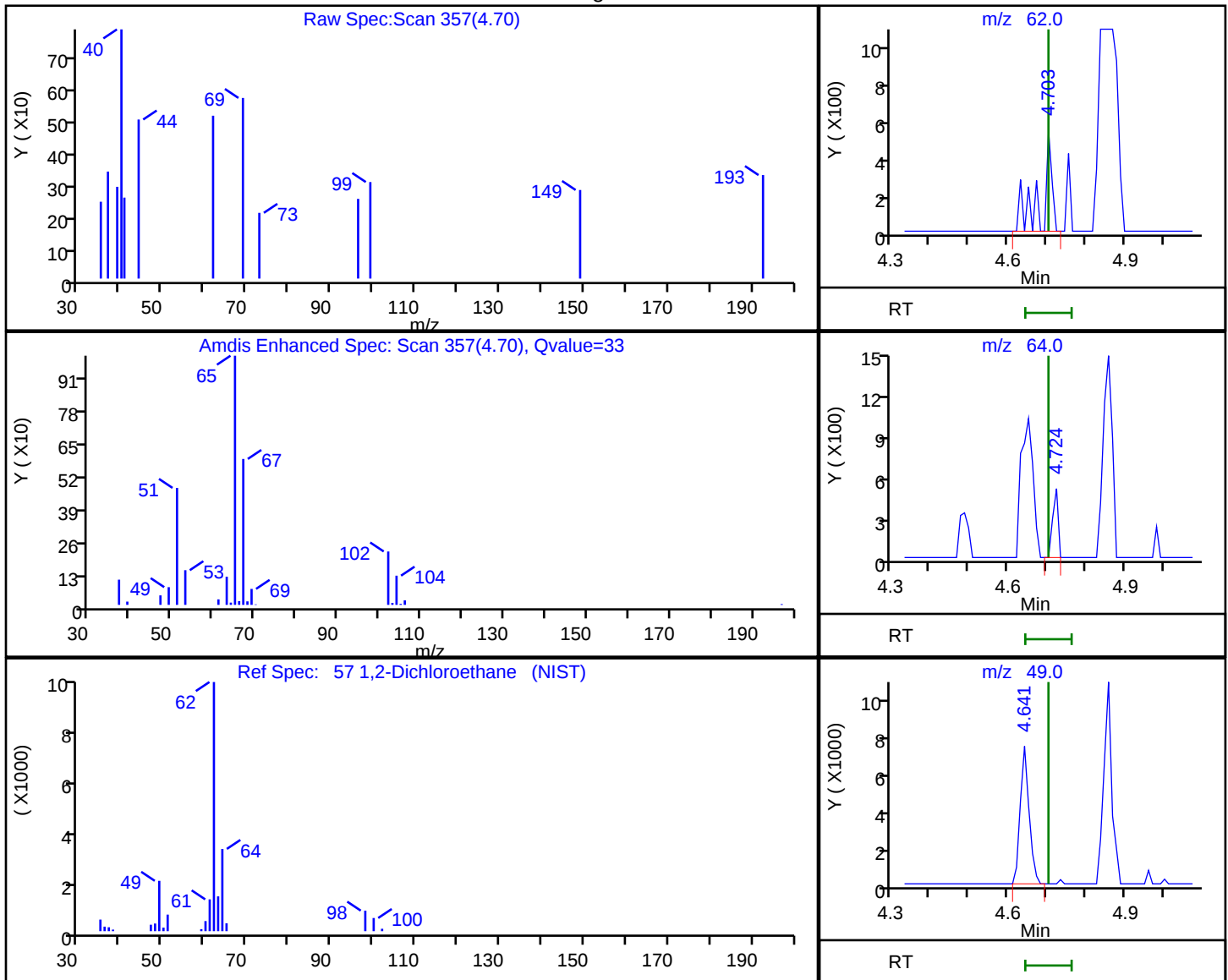


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0742.D
Injection Date: 10-May-2019 04:27:30 Instrument ID: HP5975T
Lims ID: 480-152909-A-12 Lab Sample ID: 480-152909-12
Client ID: TRIP BLANK
Operator ID: AEM ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

57 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
4.70	62.00	924	0.131442
4.72	64.00	473	
4.64	49.00	11091	

Reviewer: nowakk, 10-May-2019 09:09:02

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.: 480-152909-1 Analy Batch No.: 464731

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2019 14:45 Calibration End Date: 03/26/2019 17:26 Calibration ID: 36463

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-464731/6	S2843.D
Level 2	IC 480-464731/7	S2844.D
Level 3	IC 480-464731/8	S2845.D
Level 4	IC 480-464731/9	S2846.D
Level 5	IC 480-464731/10	S2847.D
Level 6	ICIS 480-464731/11	S2848.D
Level 7	IC 480-464731/12	S2849.D
Level 8	IC 480-464731/13	S2850.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	+++++	1.3854	1.6806	1.5425	1.3789	Ave		1.4803			0.1000	7.2		20.0			
	1.5057	1.4554	1.4136														
Chloromethane	+++++	2.0247	1.9861	1.7586	1.7706	Ave		1.8093			0.1000	7.9		20.0			
	1.7812	1.7017	1.6418														
Butadiene	1.5605	1.7018	1.9325	1.7015	1.5364	Ave		1.6571				7.8		20.0			
	1.6714	1.5928	1.5600														
Vinyl chloride	+++++	1.7565	1.8681	1.7224	1.6215	Ave		1.6911			0.1000	5.9		20.0			
	1.6773	1.6089	1.5831														
Bromomethane	+++++	1.2494	1.3465	1.1454	1.1396	Ave		1.1706			0.1000	8.2		20.0			
	1.1482	1.1029	1.0621														
Chloroethane	+++++	1.2356	1.2887	1.1524	1.0978	Ave		1.1387			0.1000	8.4		20.0			
	1.1185	1.0616	1.0161														
Dichlorofluoromethane	2.2901	2.4109	2.9153	2.4587	2.4394	Ave		2.4648				7.8		20.0			
	2.4685	2.3987	2.3366														
Trichlorofluoromethane	1.8985	2.1487	2.5871	2.2720	2.0324	Ave		2.1842			0.1000	9.2		20.0			
	2.2522	2.1682	2.1146														
Ethyl ether	1.3214	1.5177	1.5598	1.3732	1.4069	Ave		1.4304				5.5		20.0			
	1.4199	1.4584	1.3862														
Acrolein	0.3950	0.4116	0.4516	0.3900	0.4167	Ave		0.4108				4.9		20.0			
	0.4134	0.4175	0.3904														
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++	1.1294	1.5735	1.1541	1.1544	Ave		1.2429			0.1000	12.9		20.0			
	1.2175	1.3237	1.1480														
1,1-Dichloroethene	+++++	1.2046	1.4398	1.1953	1.2444	Ave		1.2606			0.1000	7.4		20.0			
	1.2130	1.3347	1.1924														
Acetone	+++++	0.6417	0.7085	0.6821	0.6764	Ave		0.6672			0.1000	4.2		20.0			
	0.6490	0.6826	0.6300														
Iodomethane	2.0486	2.3183	2.6075	2.0569	2.2881	Ave		2.2659				7.8		20.0			
	2.2810	2.3238	2.2030														

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.: 480-152909-1 Analy Batch No.: 464731
SDG No.: _____
Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/26/2019 14:45 Calibration End Date: 03/26/2019 17:26 Calibration ID: 36463

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								
Carbon disulfide	3.8636 4.1104	4.3584 4.4075	4.9349 4.0452	3.8427	4.0619	Ave		4.2031			0.1000	8.5		20.0			
Allyl chloride	++++ 2.3516	2.5806 2.4655	2.7279 2.2795	2.1137	2.3229	Ave		2.4060				8.5		20.0			
Methyl acetate	1.7297 1.5732	1.6149 1.6214	1.7022 1.5325	1.6305	1.6230	Ave		1.6284			0.1000	3.9		20.0			
Methylene Chloride	++++ 1.5255	2.3143 1.5408	1.9511 1.4531	1.5016	1.5912	Lin1	0.8385	1.4728			0.1000				0.9990		0.9900
2-Methyl-2-propanol	0.2166 0.2530	0.2180 0.2775	0.2585 0.2572	0.2686	0.2680	Ave		0.2522				9.1		20.0			
Methyl tert-butyl ether	++++ 4.6739	4.6074 4.7500	5.0133 4.6267	4.4628	4.6027	Ave		4.6767			0.1000	3.7		20.0			
trans-1,2-Dichloroethene	++++ 1.4840	1.5436 1.5605	1.7657 1.4383	1.3869	1.4857	Ave		1.5235			0.1000	8.0		20.0			
Acrylonitrile	0.7505 0.8350	0.7485 0.8656	0.8250 0.8105	0.8316	0.8368	Ave		0.8129				5.2		20.0			
Hexane	++++ 1.8870	1.5664 2.0968	2.4274 1.8620	1.7233	1.8476	Ave		1.9158				14.5		20.0			
1,1-Dichloroethane	++++ 2.6201	2.5687 2.7176	3.2392 2.5792	2.5242	2.6350	Ave		2.6977			0.2000	9.1		20.0			
Vinyl acetate	++++ 3.3546	2.9813 3.7114	3.2957 3.7266	3.1024	3.3700	Ave		3.3631				8.3		20.0			
2,2-Dichloropropane	++++ 1.3486	1.3768 1.3583	1.5393 1.2454	1.2969	1.2948	Ave		1.3514				7.0		20.0			
cis-1,2-Dichloroethene	++++ 1.6234	1.7322 1.7159	1.9779 1.6129	1.5461	1.6251	Ave		1.6905			0.1000	8.4		20.0			
2-Butanone (MEK)	0.9354 0.9108	0.8251 0.9954	0.9308 0.9466	0.9631	0.9841	Ave		0.9364			0.1000	5.7		20.0			
Chlorobromomethane	0.7570 0.8770	0.8419 0.8939	0.8721 0.8621	0.8143	0.8875	Ave		0.8507				5.4		20.0			
Tetrahydrofuran	0.6533 0.6530	0.5708 0.6865	0.6360 0.6428	0.6760	0.6864	Ave		0.6506				5.8		20.0			
Chloroform	++++ 2.6365	2.8620 2.7504	2.9949 2.5785	2.4365	2.6445	Ave		2.7005			0.2000	6.9		20.0			
1,1,1-Trichloroethane	++++ 2.1149	2.1144 2.1943	2.4199 2.0700	1.9009	2.0761	Ave		2.1272			0.1000	7.4		20.0			
Cyclohexane	++++ 2.4981	2.4591 2.6962	3.1288 2.3817	2.2219	2.3708	Ave		2.5367			0.1000	11.8		20.0			
Carbon tetrachloride	++++ 1.8013	1.8171 1.9532	2.0134 1.8306	1.5464	1.6892	Ave		1.8073			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.: 480-152909-1 Analy Batch No.: 464731
SDG No.: _____
Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/26/2019 14:45 Calibration End Date: 03/26/2019 17:26 Calibration ID: 36463

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-Dichloropropene	++++ 1.9257	1.9039 2.0765	2.2552 1.9264	1.8236	1.9363	Ave		1.9782				7.2		20.0			
Benzene	5.0587 5.6737	5.6738 6.0962	6.4490 5.8459	5.5267	5.8192	Ave		5.7679			0.5000	7.1		20.0			
Isobutyl alcohol	0.0807 0.0927	0.0690 0.1088	0.0836 0.1028	0.0934	0.0943	Ave		0.0907				13.9		20.0			
1,2-Dichloroethane	2.4783 2.1660	2.4867 2.2880	2.6768 2.2014	2.1199	2.2423	Ave		2.3324			0.1000	8.3		20.0			
n-Heptane	1.7091 1.8180	1.7460 1.9794	2.3379 1.8506	1.8513	1.8461	Ave		1.8923				10.4		20.0			
Trichloroethene	1.3717 1.4116	1.4898 1.5483	1.7285 1.4500	1.3231	1.4878	Ave		1.4764			0.2000	8.4		20.0			
Methylcyclohexane	++++ 2.4503	2.3584 2.7491	3.0865 2.4180	2.1617	2.3304	Ave		2.5078			0.1000	12.4		20.0			
1,2-Dichloropropane	1.2560 1.3192	1.1418 1.4024	1.4612 1.3577	1.2811	1.3835	Ave		1.3254			0.1000	7.5		20.0			
Dibromomethane	0.9248 0.9320	1.1038 0.9733	1.0030 0.9547	0.9047	0.9438	Ave		0.9675			0.1000	6.5		20.0			
1,4-Dioxane	++++ 0.0117	0.0079 0.0115	0.0118 0.0104	0.0116	0.0115	Ave		0.0109				12.9		20.0			
Bromodichloromethane	1.7349 1.7139	1.7202 1.9032	1.8778 1.8927	1.5885	1.7839	Ave		1.7769			0.2000	6.2		20.0			
2-Chloroethyl vinyl ether	0.9515 0.9078	0.7534 1.0226	0.9301 0.9970	0.8668	1.0066	Ave		0.9295				9.5		20.0			
cis-1,3-Dichloropropene	1.9971 2.0404	1.8883 2.2856	2.1165 2.2774	2.0394	2.1741	Ave		2.1023			0.2000	6.6		20.0			
4-Methyl-2-pentanone (MIBK)	0.8146 0.9758	0.8321 0.9999	0.9087 0.9885	0.9589	0.9673	Ave		0.9307			0.1000	7.7		20.0			
Toluene	1.5948 1.7312	1.6547 1.8288	1.9348 1.7817	1.6982	1.7786	Ave		1.7503			0.4000	6.0		20.0			
trans-1,3-Dichloropropene	0.8445 0.9419	0.8202 1.0505	0.9257 1.0658	0.9587	0.9782	Ave		0.9482			0.1000	9.2		20.0			
Ethyl methacrylate	0.7747 0.8910	0.6819 0.9374	0.8274 0.9520	0.8174	0.8689	Ave		0.8438				10.5		20.0			
1,1,2-Trichloroethane	0.4875 0.5197	0.4481 0.5360	0.5695 0.5150	0.5104	0.5271	Ave		0.5142			0.1000	6.9		20.0			
Tetrachloroethene	0.6963 0.7587	0.7419 0.7773	0.8756 0.7440	0.7195	0.7238	Ave		0.7546			0.2000	7.3		20.0			
1,3-Dichloropropane	1.0924 1.0338	0.9655 1.1059	1.0900 1.0986	1.0685	1.0811	Ave		1.0670				4.4		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
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1 Analy Batch No.: 464731
SDG No.: _____
Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/26/2019 14:45 Calibration End Date: 03/26/2019 17:26 Calibration ID: 36463

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								
2-Hexanone	0.5272 0.6084	0.5020 0.6378	0.5581 0.6180	0.6003	0.6286	Ave		0.5851			0.1000	8.5		20.0			
Dibromochloromethane	0.5590 0.6507	0.5779 0.6990	0.6470 0.7176	0.5876	0.6225	Ave		0.6326			0.1000	9.0		20.0			
1,2-Dibromoethane	0.6890 0.6430	0.5850 0.6900	0.6952 0.6873	0.6862	0.6691	Ave		0.6681				5.6		20.0			
Chlorobenzene	1.8167 1.9258	1.9154 2.0101	2.0753 1.9870	1.8814	1.9765	Ave		1.9485			0.5000	4.1		20.0			
Ethylbenzene	++++ 3.2922	2.9655 3.4631	3.5017 3.3720	3.1141	3.2827	Ave		3.2845			0.1000	5.8		20.0			
1,1,1,2-Tetrachloroethane	++++ 0.7085	0.6503 0.7346	0.7548 0.7395	0.6693	0.6629	Ave		0.7029				6.0		20.0			
m,p-Xylene	++++ 1.2990	1.2935 1.3622	1.4089 1.3219	1.2413	1.2945	Ave		1.3173			0.1000	4.1		20.0			
o-Xylene	++++ 1.3490	1.2932 1.3967	1.3892 1.3516	1.2512	1.3026	Ave		1.3334			0.3000	4.0		20.0			
Styrene	1.8809 2.0869	1.8415 2.2244	2.2306 2.2122	1.9936	2.1073	Ave		2.0722			0.3000	7.4		20.0			
Bromoform	++++ 0.4243	0.3816 0.4666	0.4122 0.4890	0.3896	0.4024	Ave		0.4237			0.1000	9.5		20.0			
Isopropylbenzene	2.7552 3.5409	3.3411 3.7508	3.7748 3.6124	3.2818	3.5488	Ave		3.4507			0.1000	9.6		20.0			
Bromobenzene	0.8543 0.8277	0.8106 0.8849	0.9421 0.8662	0.7942	0.8733	Ave		0.8567				5.5		20.0			
1,1,2,2-Tetrachloroethane	0.8419 0.9731	0.9434 1.0066	0.9739 0.9663	0.9620	0.9811	Ave		0.9560			0.3000	5.2		20.0			
N-Propylbenzene	++++ 4.0553	3.6607 4.2825	4.4763 4.1563	3.7691	4.0678	Ave		4.0668				6.9		20.0			
1,2,3-Trichloropropane	0.3072 0.3253	0.2948 0.3409	0.3607 0.3224	0.3502	0.3346	Ave		0.3295				6.6		20.0			
trans-1,4-Dichloro-2-butene	0.3248 0.2974	0.2646 0.3249	0.3005 0.3212	0.3063	0.3083	Ave		0.3060				6.5		20.0			
2-Chlorotoluene	0.8554 0.8339	0.7624 0.8693	0.9638 0.8291	0.7958	0.8724	Ave		0.8478				7.1		20.0			
1,3,5-Trimethylbenzene	++++ 3.0921	2.6763 3.2346	3.2521 3.1626	2.8512	3.0548	Ave		3.0462				6.9		20.0			
4-Chlorotoluene	++++ 0.8173	0.8658 0.8521	0.9476 0.8320	0.7948	0.8447	Ave		0.8506				5.7		20.0			
tert-Butylbenzene	0.5298 0.6571	0.5124 0.7100	0.6911 0.6921	0.6113	0.6718	Ave		0.6344				12.0		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.: 480-152909-1 Analy Batch No.: 464731
SDG No.: _____
Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/26/2019 14:45 Calibration End Date: 03/26/2019 17:26 Calibration ID: 36463

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								
1,2,4-Trimethylbenzene	++++ 3.1398	2.7918 3.2906	3.1707 3.2083	2.8721	2.9966	Ave		3.0671				6.0		20.0			
sec-Butylbenzene	2.9524 3.9063	3.2332 4.1640	4.1434 4.0361	3.6281	3.8525	Ave		3.7395				11.8		20.0			
1,3-Dichlorobenzene	1.4772 1.6573	1.5289 1.7356	1.8764 1.6912	1.6008	1.6650	Ave		1.6541			0.6000	7.5		20.0			
4-Isopropyltoluene	++++ 3.4729	2.9785 3.6682	3.5712 3.5659	3.1779	3.4062	Ave		3.4058				7.2		20.0			
1,4-Dichlorobenzene	1.5662 1.6452	1.6159 1.7486	1.8837 1.7417	1.6702	1.7078	Ave		1.6974			0.5000	5.8		20.0			
n-Butylbenzene	++++ 3.0234	2.6445 3.2009	3.2023 3.0988	2.7600	2.9497	Ave		2.9828				7.2		20.0			
1,2-Dichlorobenzene	1.6407 1.7600	1.5807 1.8132	1.9758 1.7660	1.7500	1.7460	Ave		1.7541			0.4000	6.7		20.0			
1,2-Dibromo-3-Chloropropane	0.2187 0.2115	0.2049 0.2300	0.2167 0.2313	0.2028	0.2070	Ave		0.2154			0.0500	5.1		20.0			
1,2,4-Trichlorobenzene	1.0600 1.4357	1.3511 1.4310	1.4894 1.2959	1.3312	1.3620	Ave		1.3445			0.2000	9.8		20.0			
Hexachlorobutadiene	0.5238 0.6735	0.5931 0.6965	0.7406 0.5959	0.6266	0.6399	Ave		0.6362				10.7		20.0			
Naphthalene	3.4640 4.3876	3.9284 4.5128	4.2195 4.0771	3.9659	4.0748	Ave		4.0788				7.8		20.0			
1,2,3-Trichlorobenzene	1.0929 1.4025	1.4739 1.4415	1.4511 1.2339	1.3731	1.3313	Ave		1.3500				9.6		20.0			
Dibromofluoromethane (Surr)	1.2845 1.3844	1.4414 1.3904	1.3994 1.3446	1.3173	1.3388	Ave		1.3626				3.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8475 0.8298	0.8503 0.8431	0.8550 0.8508	0.8286	0.8527	Ave		0.8447				1.2		20.0			
Toluene-d8 (Surr)	2.4670 2.4978	2.4952 2.4606	2.5290 2.4830	2.5907	2.4524	Ave		2.4970				1.8		20.0			
4-Bromofluorobenzene (Surr)	0.7639 0.7586	0.7418 0.7690	0.7575 0.7877	0.7747	0.7732	Ave		0.7658				1.8		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1 Analy Batch No.: 464731

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2019 14:45 Calibration End Date: 03/26/2019 17:26 Calibration ID: 36463

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-464731/6	S2843.D
Level 2	IC 480-464731/7	S2844.D
Level 3	IC 480-464731/8	S2845.D
Level 4	IC 480-464731/9	S2846.D
Level 5	IC 480-464731/10	S2847.D
Level 6	ICIS 480-464731/11	S2848.D
Level 7	IC 480-464731/12	S2849.D
Level 8	IC 480-464731/13	S2850.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	++++ 246713	8448 488803	21350 989531	51940	92142	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	++++ 291854	12347 571493	25231 1149322	59218	118316	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	5273 273866	10378 534929	24549 1092054	57295	102666	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	++++ 274829	10711 540336	23732 1108181	57997	108358	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	++++ 188128	7619 370411	17105 743468	38570	76151	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	++++ 183266	7535 356548	16371 711267	38804	73357	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	7738 404465	14702 805593	37035 1635696	82790	163013	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	6415 369021	13103 728169	32865 1480241	76505	135817	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	4465 232654	9255 489781	19815 970370	46239	94012	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	6674 338664	12550 701056	28684 1366405	65667	139238	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 199493	6887 444567	19989 803602	38862	77144	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	++++ 198748	7346 448254	18290 834734	40249	83153	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	++++ 531733	19565 1146182	45000 2205140	114849	226012	++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	6922 373751	14137 780440	33124 1542118	69260	152898	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	13055 673486	26578 1480222	62691 2831719	129394	271433	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1 Analy Batch No.: 464731

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2019 14:45 Calibration End Date: 03/26/2019 17:26 Calibration ID: 36463

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
Allyl chloride	FB	Ave	++++ 385305	15737 828020	34654 1595704	71174	155225	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	11689 515534	19695 1089074	43248 2145598	109807	216909	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	++++ 249952	14113 517461	24786 1017175	50562	106334	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	7319 414525	13293 932041	32837 1800746	90431	179120	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	++++ 765823	28096 1595275	63687 3238756	150274	307572	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	++++ 243163	9413 524097	22431 1006825	46700	99280	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	25359 1368201	45643 2906945	104799 5673848	280036	559187	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	++++ 309192	9552 704207	30837 1303455	58028	123465	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	++++ 429303	15664 912696	41149 1805520	84998	176079	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	++++ 1099315	36360 2492909	83733 5217426	208932	450397	++++ 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	++++ 220972	8396 456175	19554 871813	43670	86523	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	++++ 265988	10563 576286	25126 1129068	52061	108593	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	15803 746174	25158 1671426	59121 3313340	162159	328822	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2558 143694	5134 300221	11079 603499	27420	59306	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	4415 213988	6962 461140	16159 899918	45528	91731	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	++++ 431988	17453 923695	38046 1804999	82045	176719	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	++++ 346521	12894 736943	30741 1449051	64009	138733	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	++++ 409312	14996 905490	39747 1667238	74816	158429	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	++++ 295144	11081 655974	25577 1281425	52072	112880	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	++++ 315520	11610 697395	28649 1348523	61407	129389	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	17093 929647	34599 2047361	81925 4092259	186101	388862	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1 Analy Batch No.: 464731

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2019 14:45 Calibration End Date: 03/26/2019 17:26 Calibration ID: 36463

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
Isobutyl alcohol	FB	Ave	6817 379522	10517 913544	26555 1798648	78645	157522	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	8374 354894	15164 768402	34005 1541016	71383	149839	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	5775 297874	10647 664783	29699 1295462	62337	123362	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	4635 231300	9085 519994	21958 1015058	44552	99424	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	++++ 401480	14382 923262	39210 1692620	72791	155727	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	4244 216160	6963 470979	18562 950395	43139	92451	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	3125 152713	6731 326861	12741 668281	30465	63067	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	++++ 72768	1776 154922	5650 288349	14729	30962	++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	5862 280827	10490 639186	23855 1324927	53488	119210	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3215 148748	4594 343422	11816 697940	29188	67266	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	6748 334316	11515 767596	26887 1594216	68672	145286	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	28434 1520304	46853 3378759	108920 6844902	304263	650045	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	11133 539421	18635 1235868	46385 2467502	107763	239053	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	5895 293475	9237 709938	22192 1476129	60836	131476	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	5408 277636	7679 633468	19837 1318433	51868	116783	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	3403 161934	5046 362248	13652 713286	32388	70849	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	4861 236397	8355 525274	20991 1030418	45656	97277	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	7626 322123	10873 747346	26131 1521513	67804	145307	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	18401 947779	28269 2155219	66903 4279517	190469	422411	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	3902 202740	6508 472391	15512 993826	37285	83659	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	4810 200343	6588 466293	16666 951946	43543	89931	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1 Analy Batch No.: 464731

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2019 14:45 Calibration End Date: 03/26/2019 17:26 Calibration ID: 36463

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
Chlorobenzene	CBNZ d5	Ave	12682 600047	21571 1358405	49754 2751958	119387	265645	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	++++ 1025811	33397 2340300	83949 4670055	197616	441196	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	++++ 220771	7324 496424	18096 1024185	42474	89096	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	++++ 404755	14567 920538	33778 1830812	78770	173989	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	++++ 420322	14564 943876	33305 1871869	79396	175073	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	13130 650246	20738 1503227	53476 3063810	126508	283219	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	++++ 132213	4298 315306	9881 677237	24721	54090	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	18457 1111075	37293 2507971	89586 5012334	207540	469234	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	5723 259708	9048 591671	22359 1201896	50227	115471	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	5640 305332	10530 673065	23114 1340703	60835	129727	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	++++ 1272486	40860 2863537	106234 5766976	238351	537865	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	2058 102068	3290 227945	8561 447271	22147	44249	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	2176 93310	2953 217218	7132 445671	19372	40766	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	5730 261674	8510 581289	22874 1150415	50327	115347	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	++++ 970243	29872 2162797	77180 4388210	180304	403921	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	++++ 256454	9664 569785	22489 1154471	50264	111690	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	3549 206183	5719 474720	16401 960307	38657	88834	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	++++ 985222	31162 2200275	75249 4451594	181629	396225	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	19778 1225734	36088 2784257	98334 5600196	229436	509392	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	9896 520047	17065 1160545	44533 2346549	101234	220149	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	++++ 1089738	33246 2452736	84754 4947820	200966	450389	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1 Analy Batch No.: 464731

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/26/2019 14:45 Calibration End Date: 03/26/2019 17:26 Calibration ID: 36463

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
1,4-Dichlorobenzene	DCBd 4	Ave	10492 516236	18036 1169188	44704 2416649	105622	225818	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	++++ 948713	29518 2140272	76000 4299672	174540	390030	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	10991 552250	17644 1212424	46890 2450448	110671	230870	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1465 66365	2287 153792	5144 320955	12824	27375	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	7101 450490	15081 956818	35347 1798158	84181	180084	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	3509 211349	6620 465710	17577 826821	39625	84614	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	23205 1376762	43848 3017487	100141 5657120	250801	538786	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	7321 440096	16451 963848	34438 1712085	86834	176029	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	217015 226842	219742 233474	222223 235313	221789	223655	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	143175 135957	129629 141569	135768 148889	139501	142445	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	861085 778293	702506 831408	757885 859704	821999	824032	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	266616 236381	208845 259828	226998 272746	245796	259810	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
 Lims ID: IC 0.5
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 26-Mar-2019 14:45:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.5
 Misc. Info.: 480-0079693-006
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 28-Mar-2019 12:18:07 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: moffata

Date: 27-Mar-2019 14:13:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.461	5.467	-0.006	99	168948	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	85	349036	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	94	334948	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	58	217015	25.0	23.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.187	0.006	97	143175	25.0	25.1	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	92	861085	25.0	24.7	
\$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.714	0.006	93	266616	25.0	24.9	
10 Dichlorodifluoromethane	85	1.276	1.276	0.000	39	3826	0.5000	0.3825	
12 Chloromethane	50	1.458	1.446	0.012	48	5124	0.5000	0.4191	
151 Butadiene	54	1.543	1.543	0.000	71	5273	0.5000	0.4709	Ma
13 Vinyl chloride	62	1.543	1.549	-0.006	14	4268	0.5000	0.3735	
14 Bromomethane	94	1.841	1.841	0.000	45	5044	0.5000	0.6376	M
15 Chloroethane	64	1.933	1.927	0.006	58	6391	0.5000	0.8305	M
16 Dichlorofluoromethane	67	2.158	2.158	0.000	48	7738	0.5000	0.4646	
17 Trichlorofluoromethane	101	2.182	2.164	0.018	40	6415	0.5000	0.4346	
18 Ethyl ether	59	2.450	2.450	0.000	70	4465	0.5000	0.4619	
20 Acrolein	56	2.638	2.638	0.000	69	6674	2.50	2.40	
21 1,1,2-Trichloro-1,2,2-trif	101	2.657	2.657	0.000	20	2933	0.5000	0.3492	
22 1,1-Dichloroethene	96	2.669	2.669	0.000	29	3436	0.5000	0.4033	M
23 Acetone	43	2.803	2.797	0.006	90	12808	2.50	2.84	M
25 Iodomethane	142	2.833	2.839	-0.006	50	6922	0.5000	0.4520	
26 Carbon disulfide	76	2.882	2.870	0.012	78	13055	0.5000	0.4596	
28 3-Chloro-1-propene	41	3.052	3.046	0.006	52	7162	0.5000	0.4405	M
27 Methyl acetate	43	3.101	3.101	0.000	93	11689	1.00	1.06	M
30 Methylene Chloride	84	3.198	3.198	0.000	66	9949	0.5000	0.4303	
31 2-Methyl-2-propanol	59	3.374	3.375	-0.001	70	7319	5.00	4.29	
32 Methyl tert-butyl ether	73	3.417	3.405	0.012	77	13877	0.5000	0.4391	
34 trans-1,2-Dichloroethene	96	3.429	3.423	0.006	57	4242	0.5000	0.4120	
33 Acrylonitrile	53	3.490	3.490	0.000	96	25359	5.00	4.62	
35 Hexane	57	3.612	3.618	-0.006	76	5379	0.5000	0.4155	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.843	3.849	-0.006	2	7268	0.5000	0.3987	
37 Vinyl acetate	43	3.904	3.904	0.000	88	18919	1.00	0.8324	M
44 2,2-Dichloropropane	77	4.366	4.372	-0.006	38	3884	0.5000	0.4253	M
45 cis-1,2-Dichloroethene	96	4.403	4.409	-0.006	23	4780	0.5000	0.4184	
43 2-Butanone (MEK)	43	4.457	4.445	0.012	96	15803	2.50	2.50	Ma
48 Chlorobromomethane	128	4.646	4.646	0.000	55	2558	0.5000	0.4449	
49 Tetrahydrofuran	42	4.670	4.664	0.006	78	4415	1.00	1.00	
50 Chloroform	83	4.725	4.725	0.000	60	7653	0.5000	0.4194	
52 Cyclohexane	56	4.835	4.835	-0.001	57	6045	0.5000	0.3526	
51 1,1,1-Trichloroethane	97	4.828	4.835	-0.007	53	5547	0.5000	0.3859	
55 Carbon tetrachloride	117	4.968	4.968	0.000	62	4545	0.5000	0.3721	
54 1,1-Dichloropropene	75	4.981	4.987	-0.006	48	5737	0.5000	0.4291	
57 Benzene	78	5.193	5.194	-0.001	22	17093	0.5000	0.4385	M
53 Isobutyl alcohol	43	5.230	5.218	0.012	65	6817	12.5	11.1	M
58 1,2-Dichloroethane	62	5.266	5.267	-0.001	25	8374	0.5000	0.5313	
59 n-Heptane	43	5.364	5.364	0.000	81	5775	0.5000	0.4516	
62 Trichloroethene	95	5.808	5.802	0.006	47	4635	0.5000	0.4646	
64 Methylcyclohexane	83	5.923	5.917	0.006	41	6082	0.5000	0.3589	
65 1,2-Dichloropropane	63	6.057	6.051	0.006	45	4244	0.5000	0.4738	
67 Dibromomethane	93	6.191	6.185	0.006	71	3125	0.5000	0.4780	
66 1,4-Dioxane	88	6.203	6.191	0.012	0	465	10.0	3.05	M
68 Dichlorobromomethane	83	6.337	6.343	-0.006	39	5862	0.5000	0.4882	
69 2-Chloroethyl vinyl ether	63	6.623	6.623	0.000	37	3215	0.5000	0.5118	
72 cis-1,3-Dichloropropene	75	6.757	6.757	0.000	45	6748	0.5000	0.4750	
73 4-Methyl-2-pentanone (MIBK)	43	6.903	6.903	0.000	93	28434	2.50	2.19	
74 Toluene	92	7.037	7.043	-0.006	71	11133	0.5000	0.4556	
77 trans-1,3-Dichloropropene	75	7.329	7.329	0.000	57	5895	0.5000	0.4453	a
75 Ethyl methacrylate	69	7.371	7.371	0.000	43	5408	0.5000	0.4590	a
79 1,1,2-Trichloroethane	83	7.511	7.517	-0.006	22	3403	0.5000	0.4741	
81 Tetrachloroethene	166	7.566	7.572	-0.006	63	4861	0.5000	0.4614	
82 1,3-Dichloropropane	76	7.682	7.682	0.000	73	7626	0.5000	0.5119	
80 2-Hexanone	43	7.749	7.743	0.006	81	18401	2.50	2.25	M
83 Chlorodibromomethane	129	7.913	7.919	-0.006	1	3902	0.5000	0.4418	
84 Ethylene Dibromide	107	8.016	8.022	-0.006	43	4810	0.5000	0.5157	
87 Chlorobenzene	112	8.491	8.491	0.000	33	12682	0.5000	0.4662	a
88 Ethylbenzene	91	8.588	8.582	0.006	79	19509	0.5000	0.4254	
89 1,1,1,2-Tetrachloroethane	131	8.600	8.594	0.006	30	3696	0.5000	0.3766	
90 m-Xylene & p-Xylene	106	8.704	8.704	0.000	78	7699	0.5000	0.4186	
91 o-Xylene	106	9.130	9.136	-0.006	78	7757	0.5000	0.4167	
92 Styrene	104	9.166	9.166	0.000	65	13130	0.5000	0.4538	
95 Bromoform	173	9.422	9.416	0.006	1	2273	0.5000	0.3843	
94 Isopropylbenzene	105	9.513	9.513	0.000	66	18457	0.5000	0.3992	
101 Bromobenzene	156	9.866	9.866	0.000	52	5723	0.5000	0.4986	
97 1,1,2,2-Tetrachloroethane	83	9.926	9.927	-0.001	37	5640	0.5000	0.4403	
99 N-Propylbenzene	91	9.939	9.939	0.000	81	20996	0.5000	0.3853	
100 1,2,3-Trichloropropane	110	9.957	9.957	0.000	41	2058	0.5000	0.4662	
98 trans-1,4-Dichloro-2-buten	53	9.969	9.969	0.000	30	2176	0.5000	0.5308	
103 2-Chlorotoluene	126	10.042	10.048	-0.006	78	5730	0.5000	0.5045	
102 1,3,5-Trimethylbenzene	105	10.115	10.121	-0.006	62	16530	0.5000	0.4050	
105 4-Chlorotoluene	126	10.158	10.158	0.000	51	4386	0.5000	0.3849	
106 tert-Butylbenzene	134	10.431	10.438	-0.007	61	3549	0.5000	0.4175	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	33	16810	0.5000	0.4091	

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	10.644	10.644	0.000	67	19778	0.5000	0.3948	
110 4-Isopropyltoluene	119	10.784	10.784	0.000	75	16181	0.5000	0.3546	
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	52	9896	0.5000	0.4466	
113 1,4-Dichlorobenzene	146	10.869	10.870	-0.001	39	10492	0.5000	0.4614	
115 n-Butylbenzene	91	11.174	11.168	0.006	73	15203	0.5000	0.3804	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	64	10991	0.5000	0.4677	
117 1,2-Dibromo-3-Chloropropan	75	11.964	11.958	0.006	1	1465	0.5000	0.5077	
119 1,2,4-Trichlorobenzene	180	12.621	12.622	-0.001	54	7101	0.5000	0.3942	
120 Hexachlorobutadiene	225	12.731	12.731	0.000	33	3509	0.5000	0.4116	
121 Naphthalene	128	12.840	12.841	-0.001	77	23205	0.5000	0.4246	
122 1,2,3-Trichlorobenzene	180	13.041	13.041	0.000	53	7321	0.5000	0.4048	
S 124 Xylenes, Total	1				0			0.8353	
S 123 Total BTEX	1				0			2.15	
S 126 1,3-Dichloropropene, Total	1				0			0.9203	
S 125 1,2-Dichloroethene, Total	1				0			0.8304	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00151

Amount Added: 0.50

Units: uL

GAS CORP mix_00333

Amount Added: 0.50

Units: uL

S_8260_IS_00316

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00309

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D

Injection Date: 26-Mar-2019 14:45:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC 0.5

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

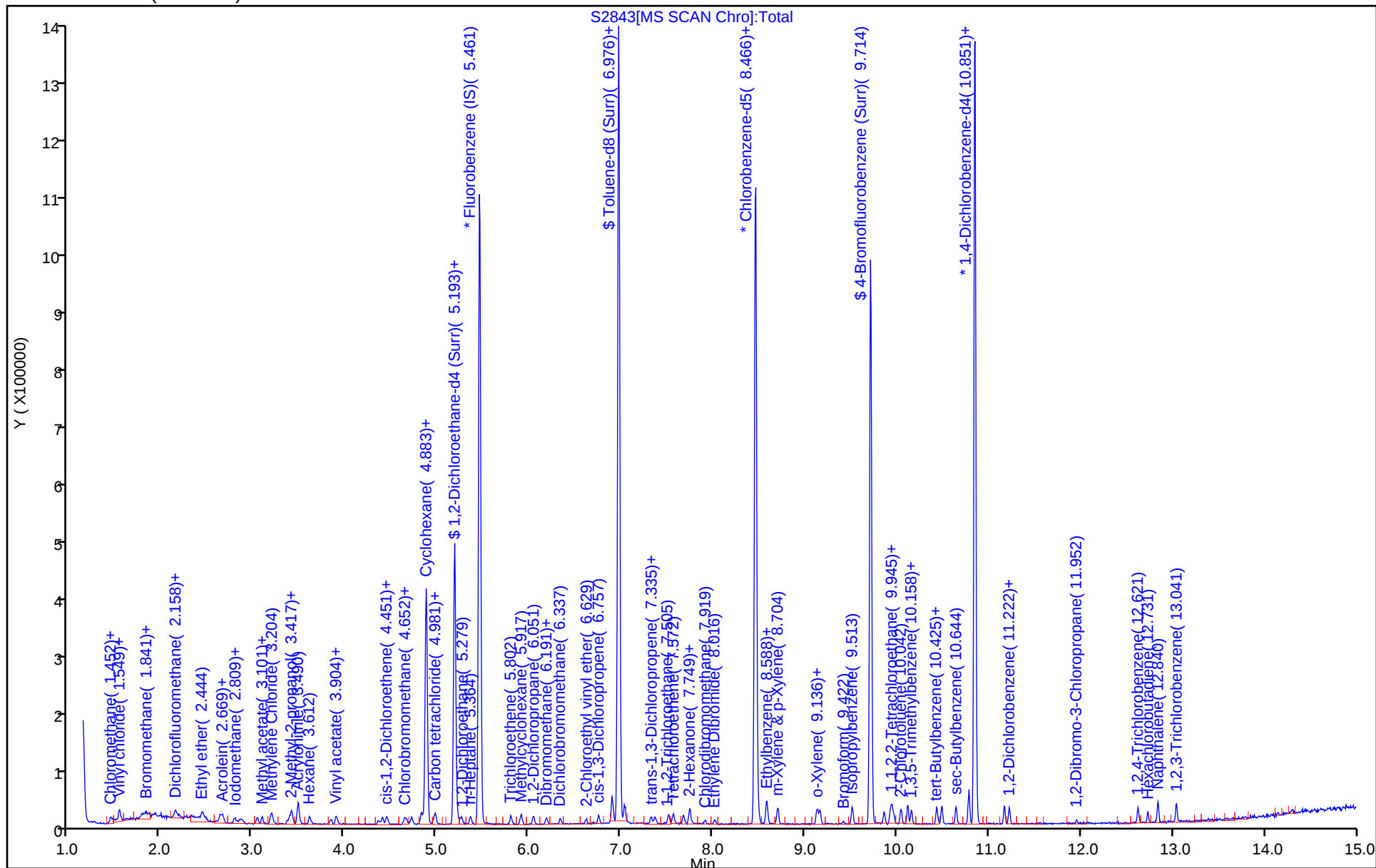
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



TestAmerica Buffalo

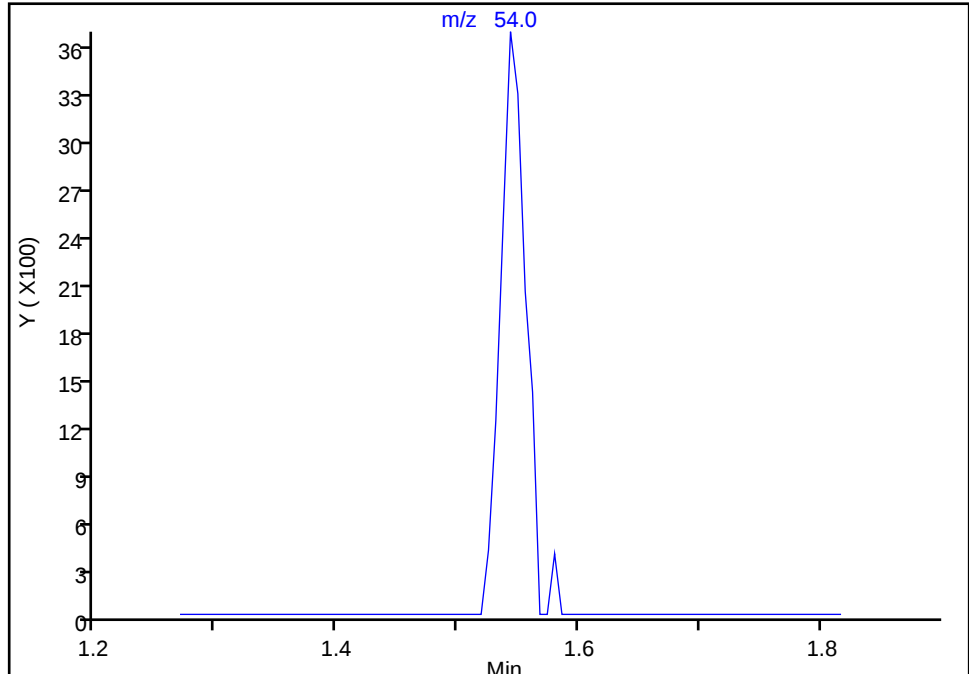
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Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

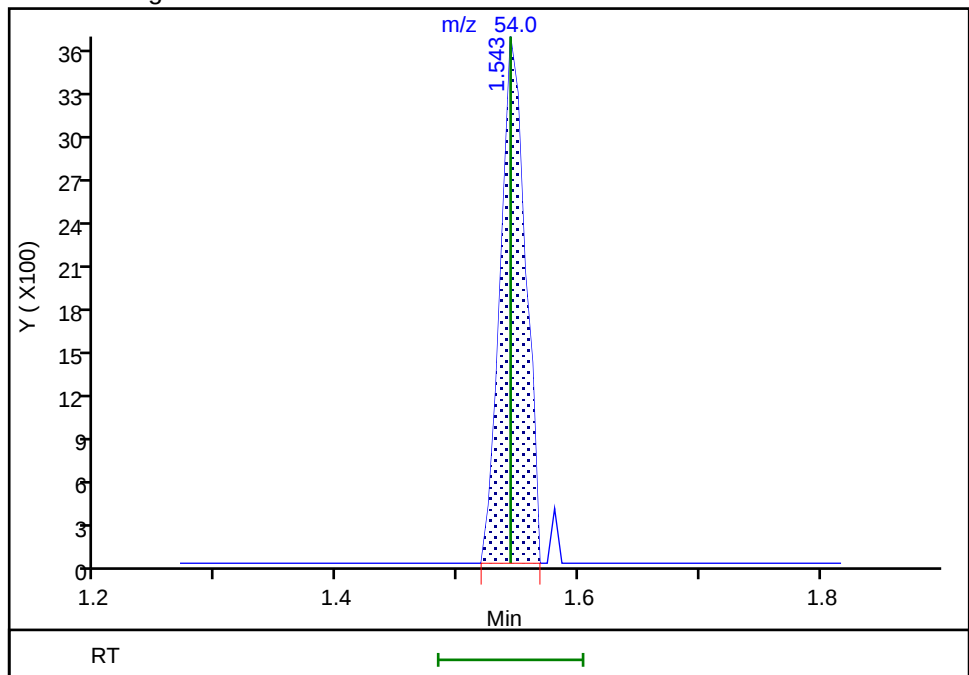
Not Detected
Expected RT: 1.54

Processing Integration Results



RT: 1.54
Area: 5273
Amount: 0.470858
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:51:05
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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05/17/2019

TestAmerica Buffalo

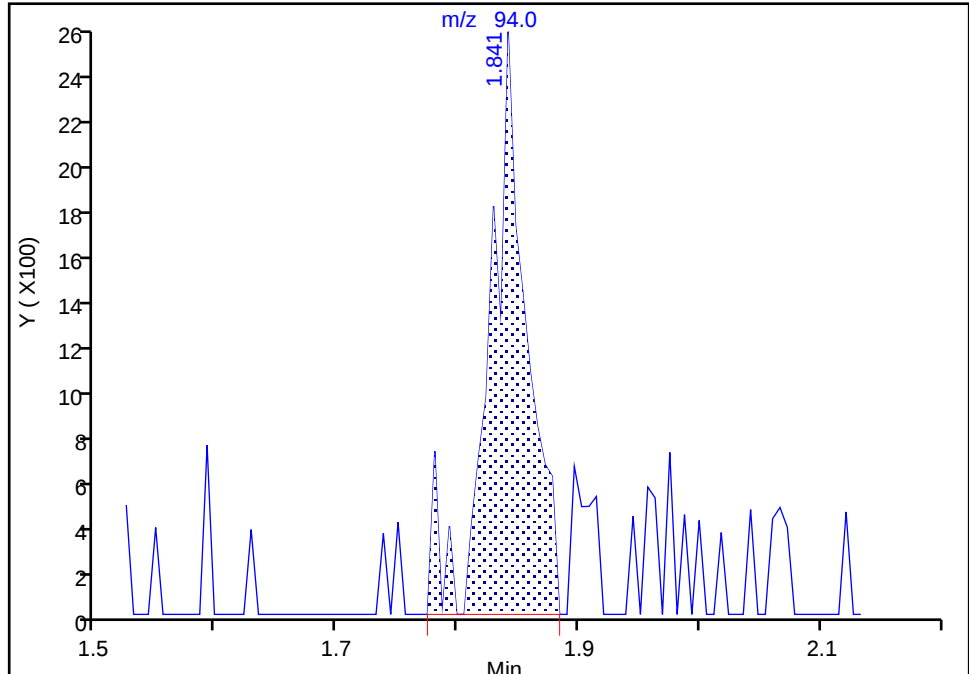
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Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

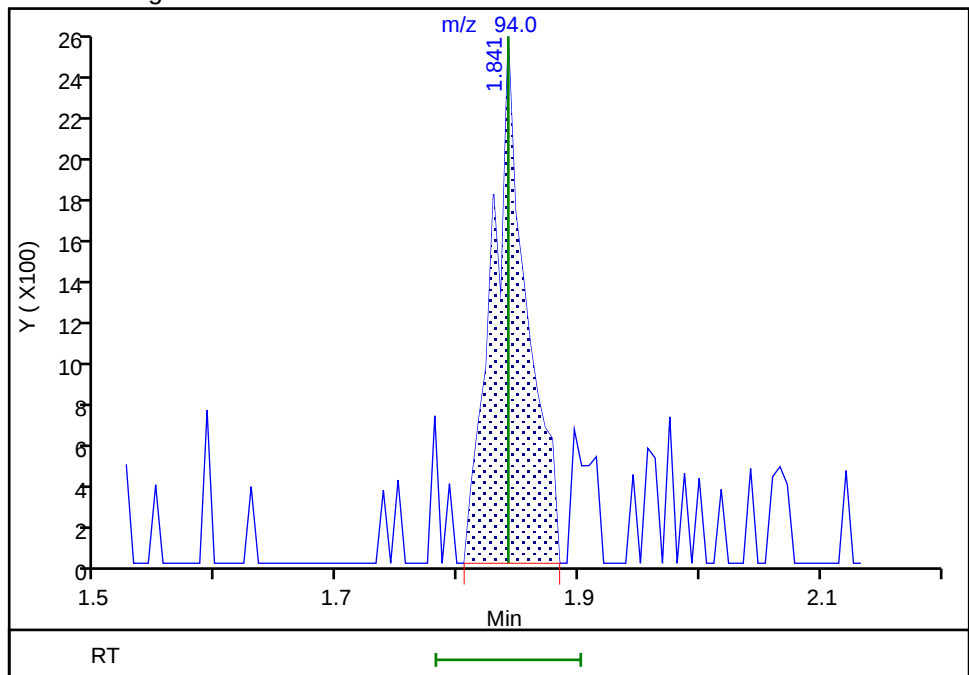
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Area: 5443
Amount: 0.639192
Amount Units: ug/L

Processing Integration Results



RT: 1.84
Area: 5044
Amount: 0.637619
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:51:13

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

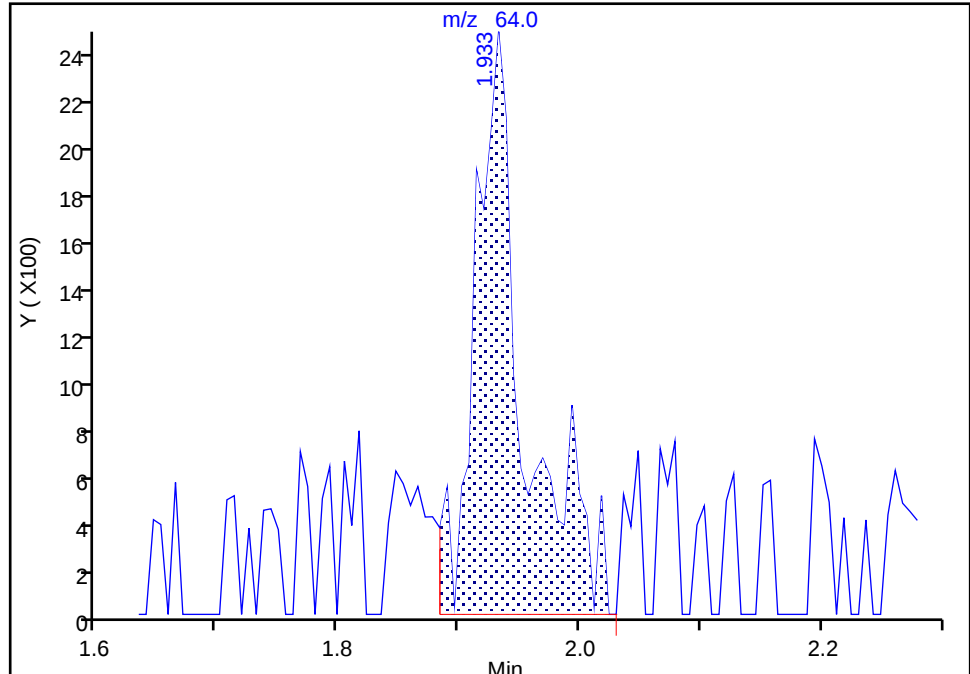
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Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

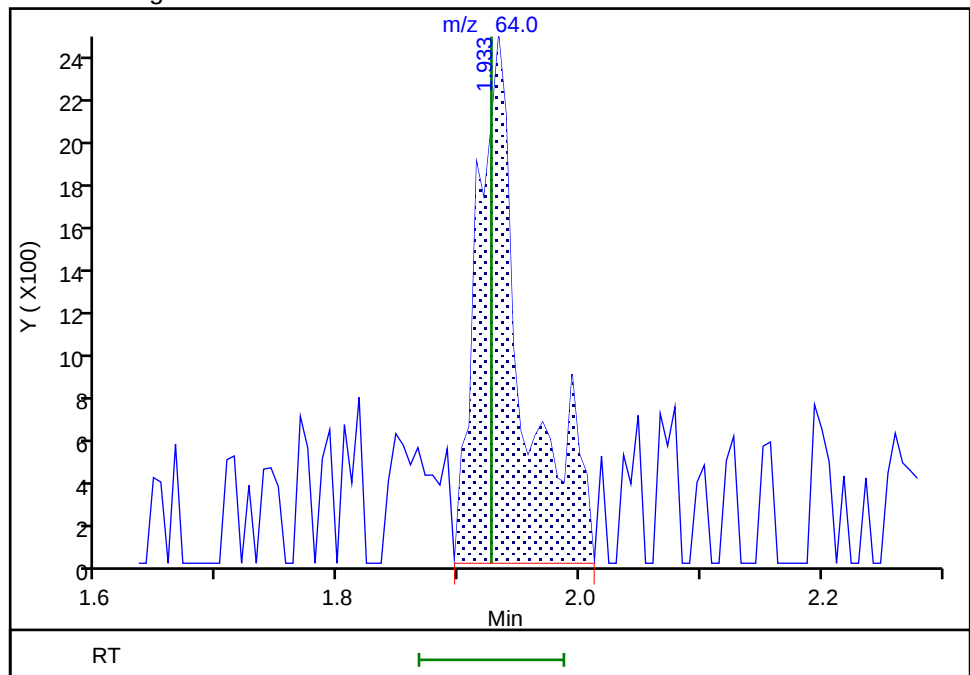
RT: 1.93
Area: 6891
Amount: 0.390396
Amount Units: ug/L

Processing Integration Results



RT: 1.93
Area: 6391
Amount: 0.830536
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:51:22
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

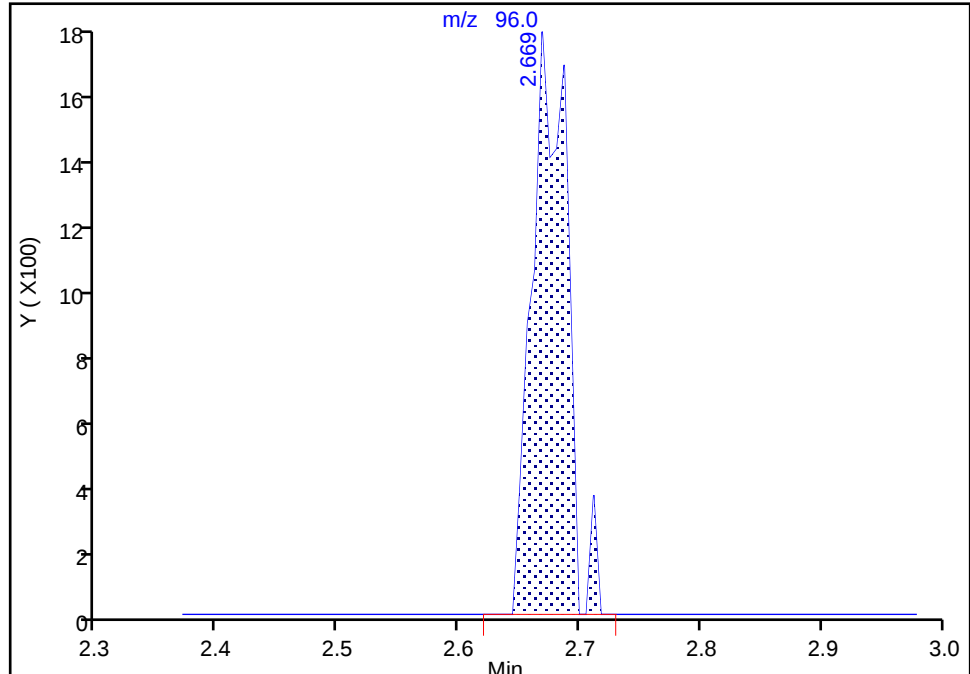
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Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

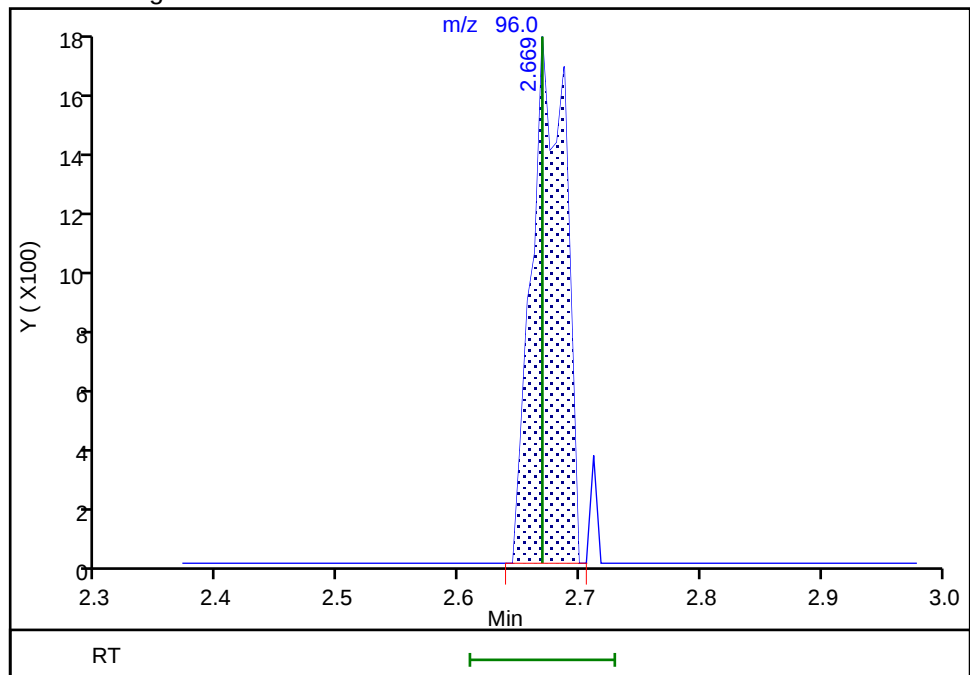
RT: 2.67
Area: 3569
Amount: 0.427377
Amount Units: ug/L

Processing Integration Results



RT: 2.67
Area: 3436
Amount: 0.403333
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:51:42

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

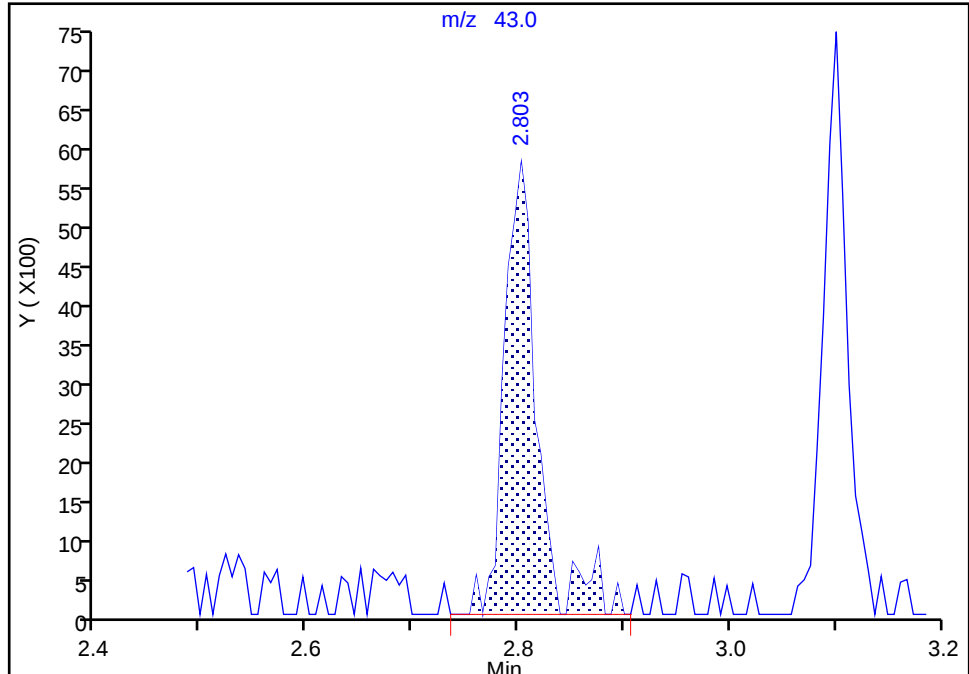
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Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

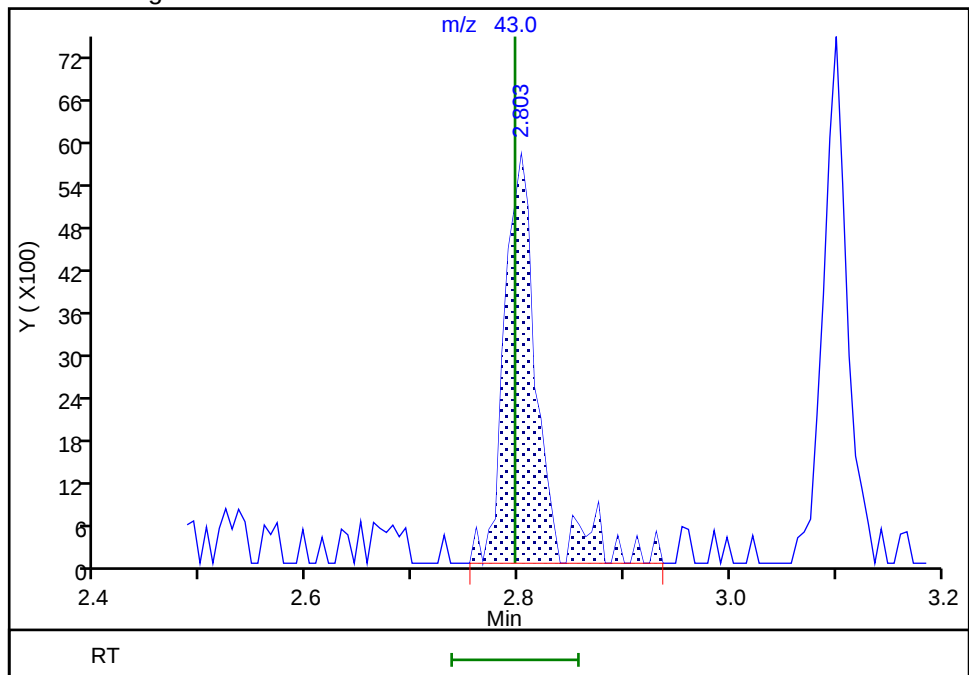
RT: 2.80
Area: 12513
Amount: 2.722214
Amount Units: ug/L

Processing Integration Results



RT: 2.80
Area: 12808
Amount: 2.840639
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:13:37

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

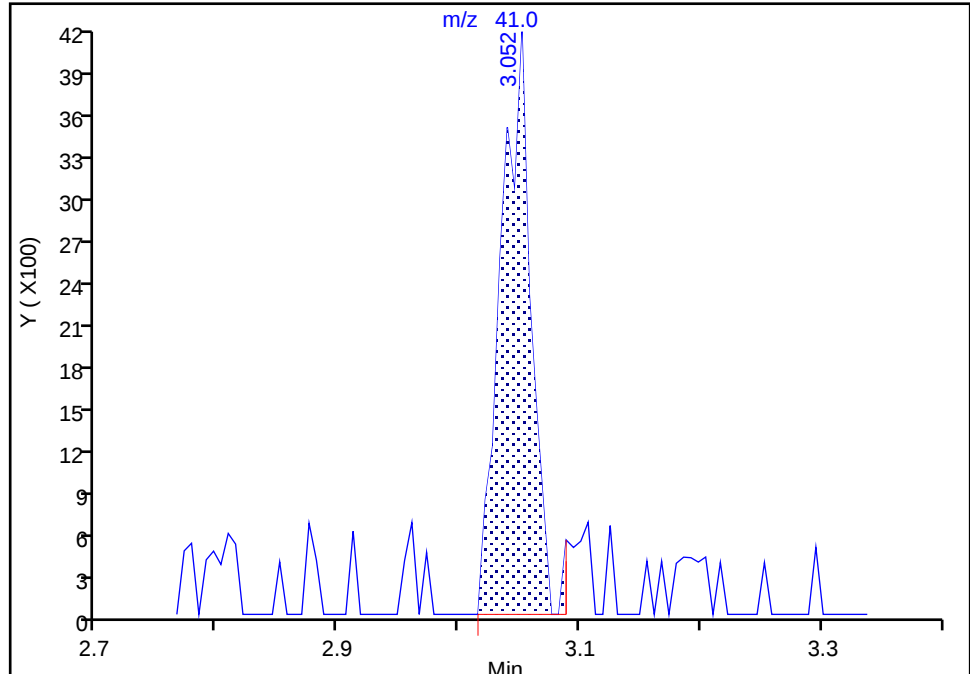
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Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

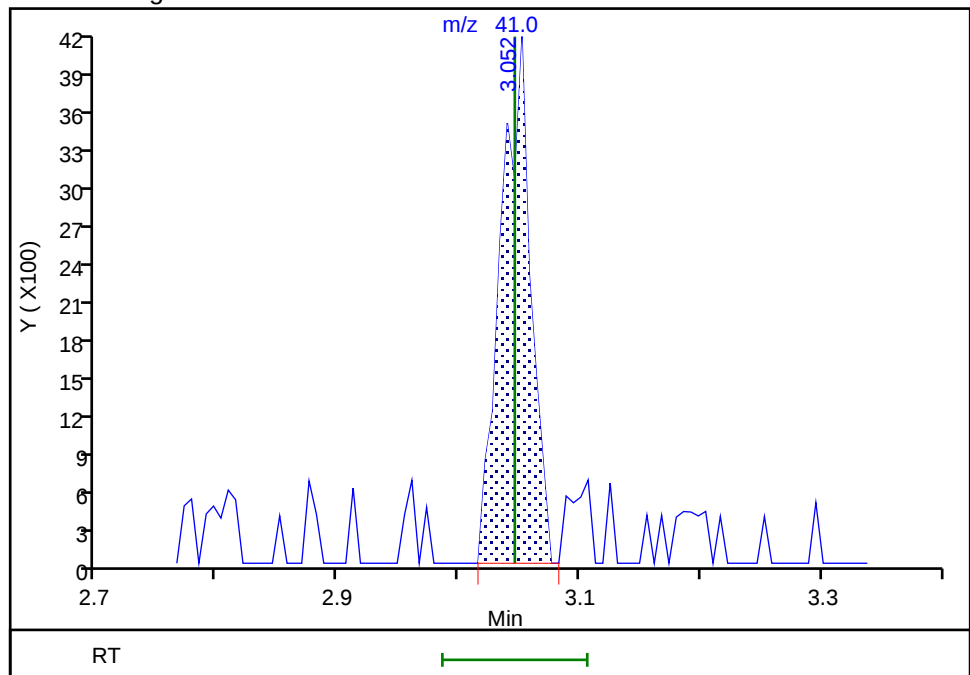
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Amount Units: ug/L

Processing Integration Results



RT: 3.05
Area: 7162
Amount: 0.440488
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:51:57

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

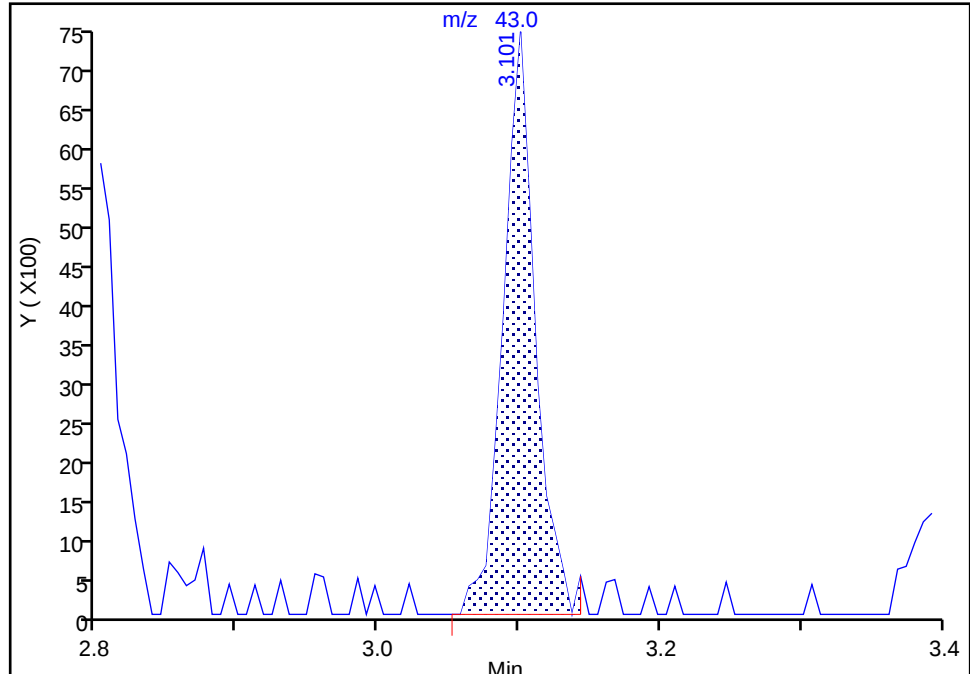
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

27 Methyl acetate, CAS: 79-20-9

Signal: 1

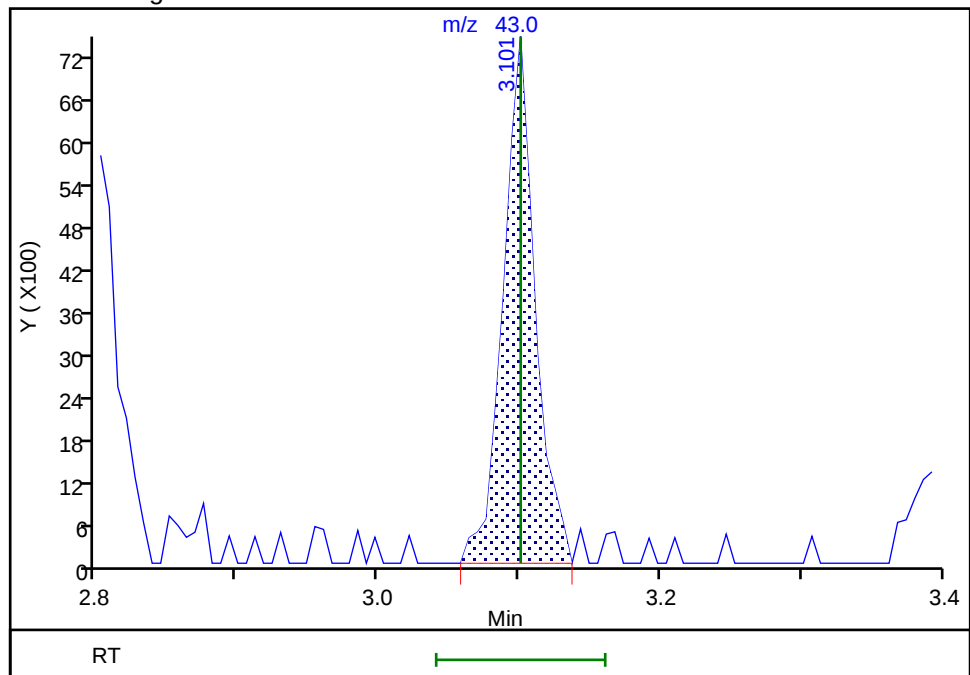
RT: 3.10
Area: 11866
Amount: 1.095274
Amount Units: ug/L

Processing Integration Results



RT: 3.10
Area: 11689
Amount: 1.062183
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:52:03

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

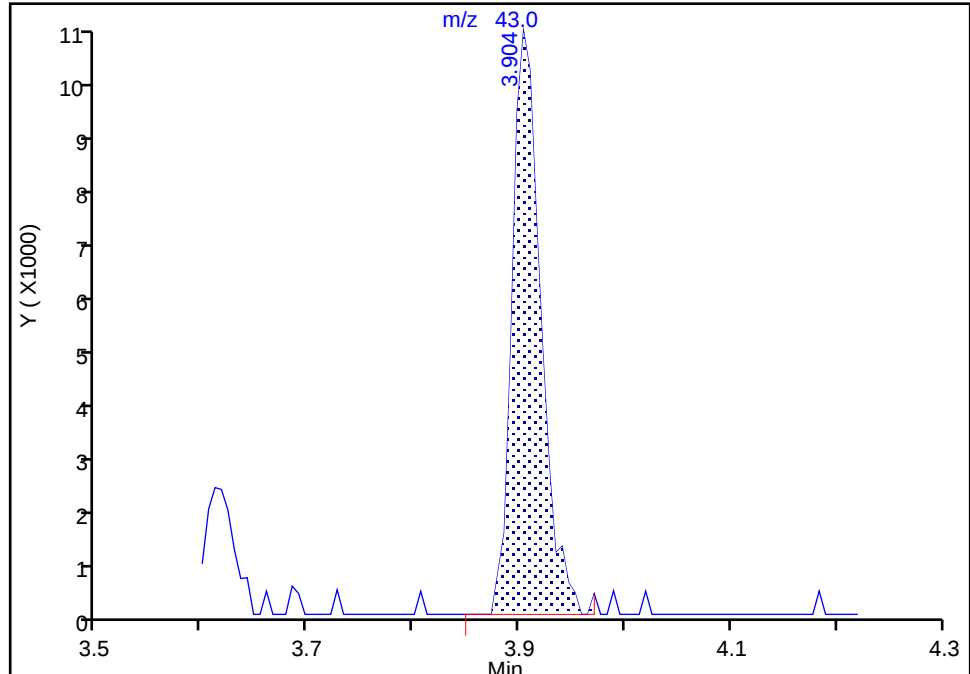
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

37 Vinyl acetate, CAS: 108-05-4

Signal: 1

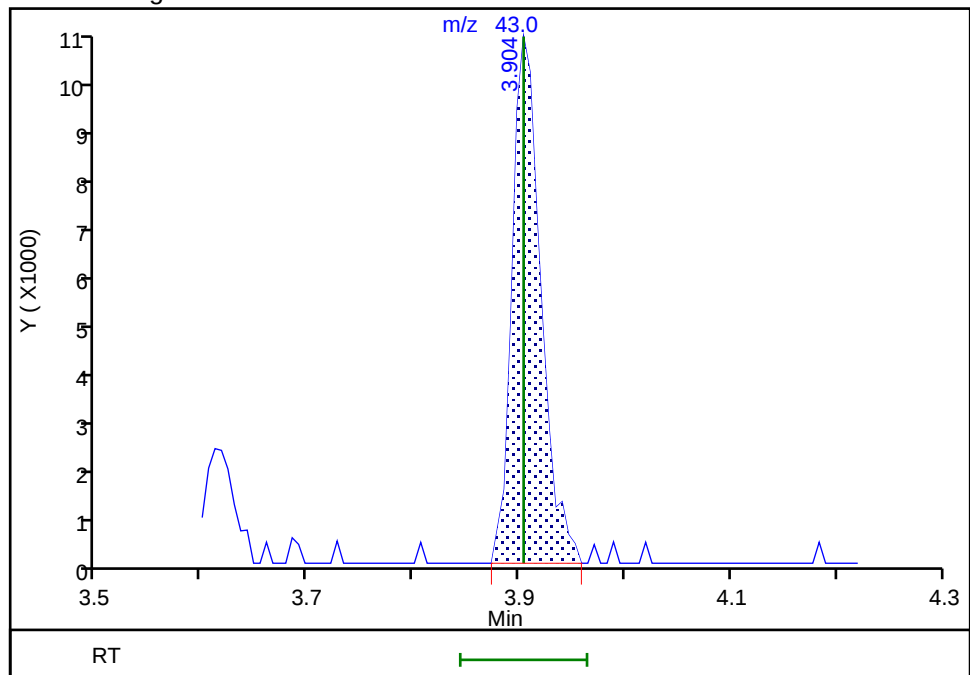
RT: 3.90
Area: 19049
Amount: 0.855611
Amount Units: ug/L

Processing Integration Results



RT: 3.90
Area: 18919
Amount: 0.832416
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:52:18
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

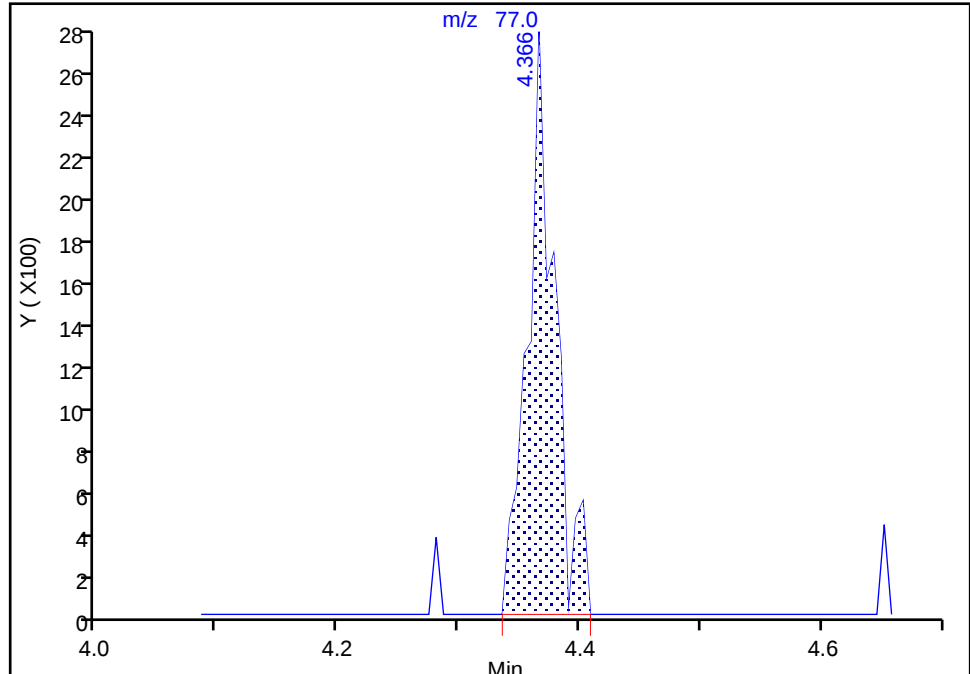
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

44 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

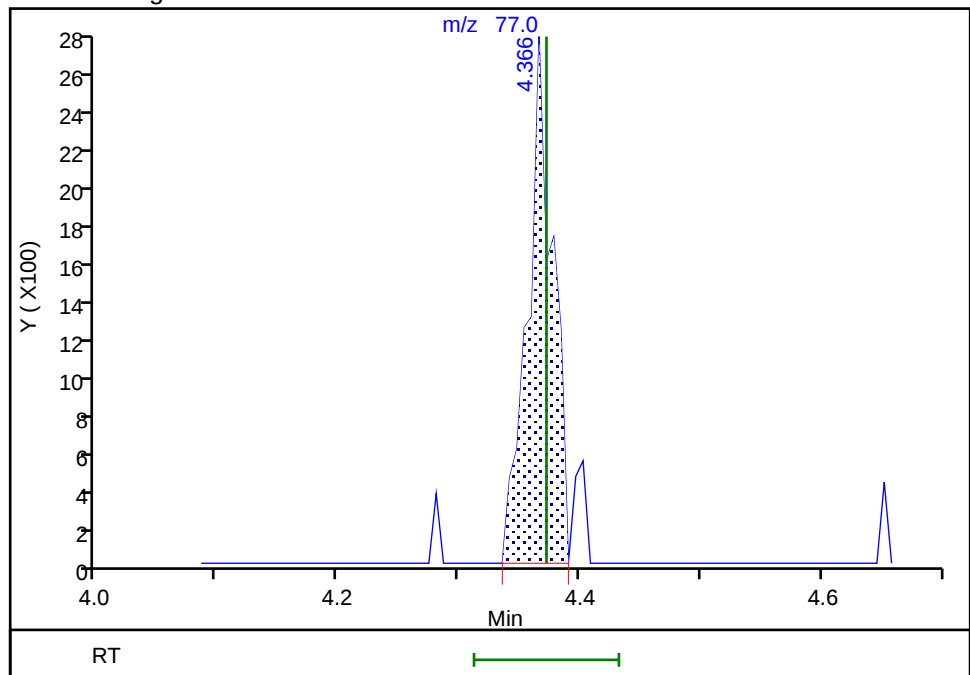
RT: 4.37
Area: 4240
Amount: 0.468574
Amount Units: ug/L

Processing Integration Results



RT: 4.37
Area: 3884
Amount: 0.425275
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:52:28
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

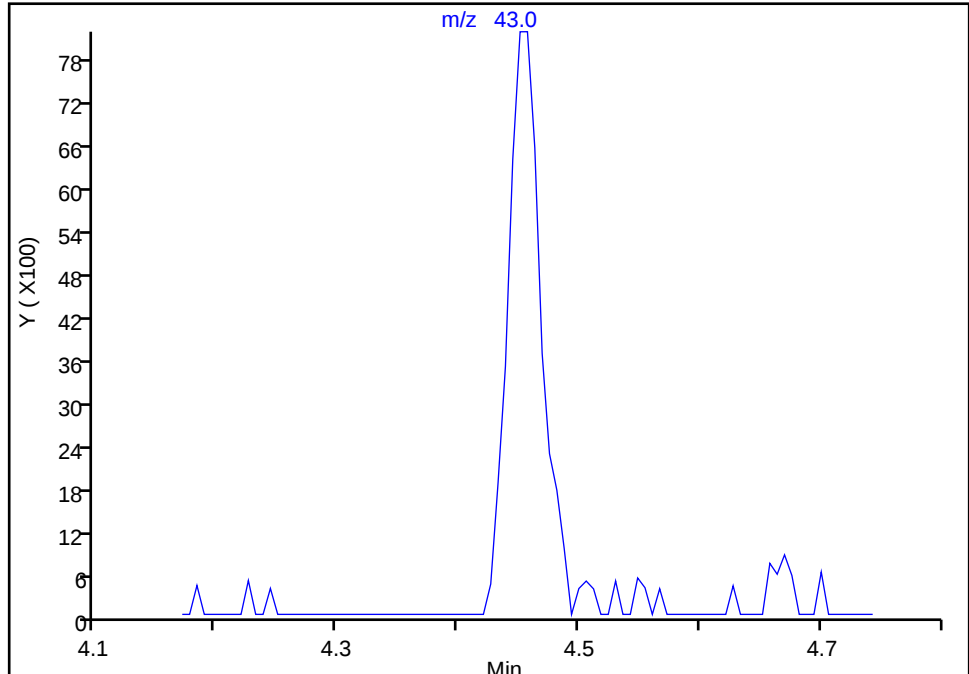
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

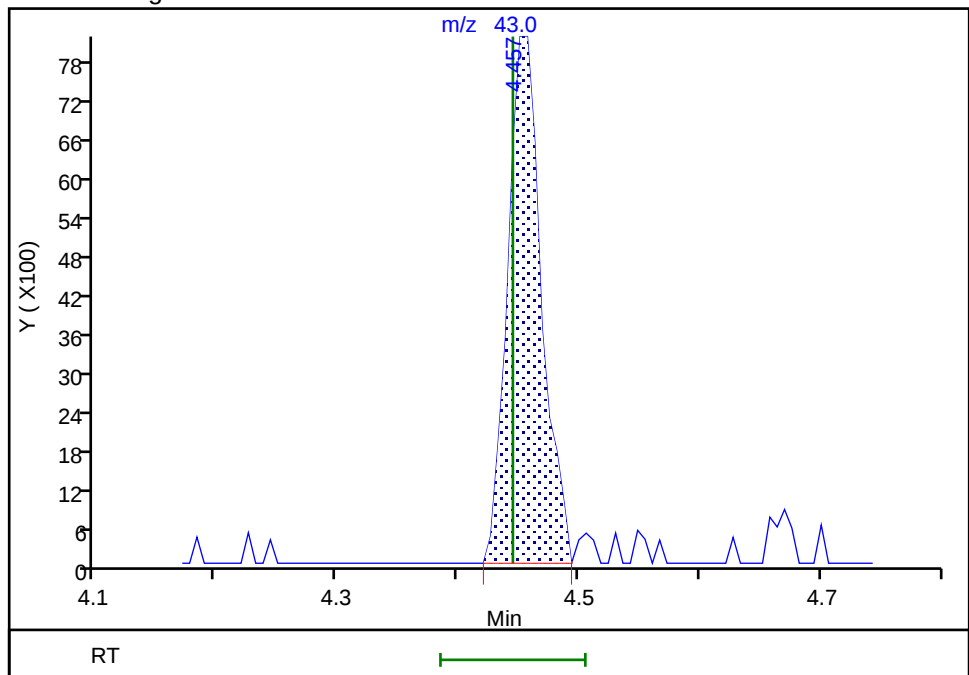
Not Detected
Expected RT: 4.45

Processing Integration Results



RT: 4.46
Area: 15803
Amount: 2.497218
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:52:42
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

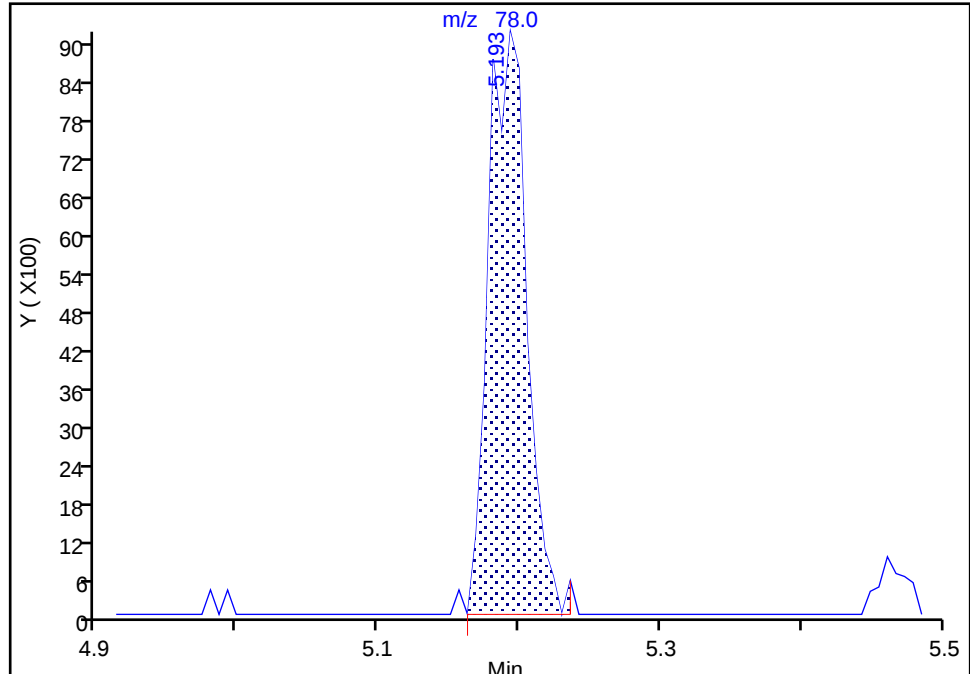
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

57 Benzene, CAS: 71-43-2

Signal: 1

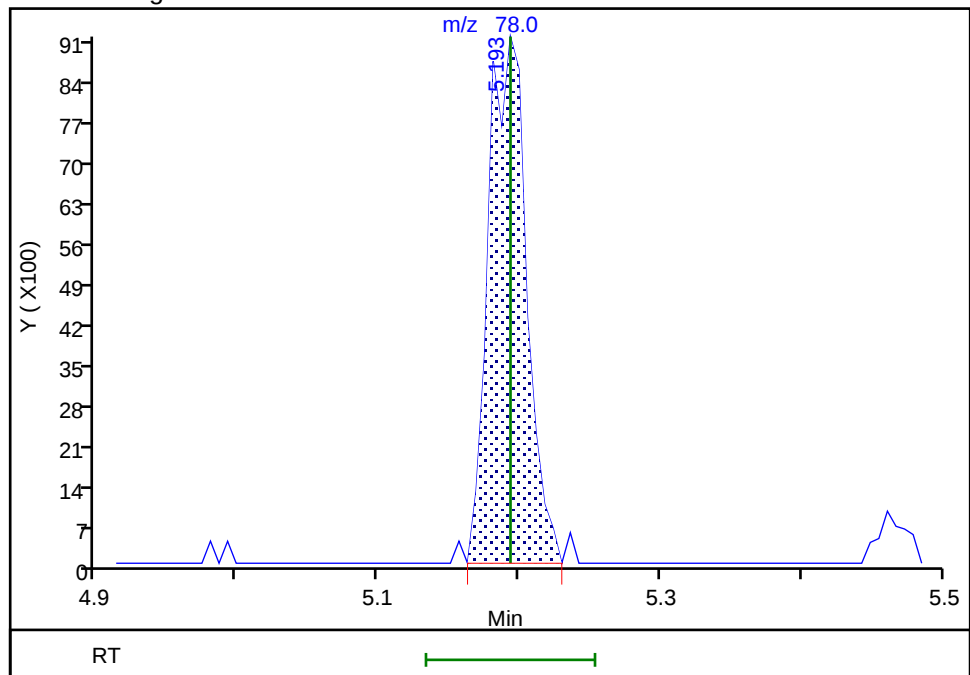
RT: 5.19
Area: 17286
Amount: 0.442922
Amount Units: ug/L

Processing Integration Results



RT: 5.19
Area: 17093
Amount: 0.438519
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:53:00

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

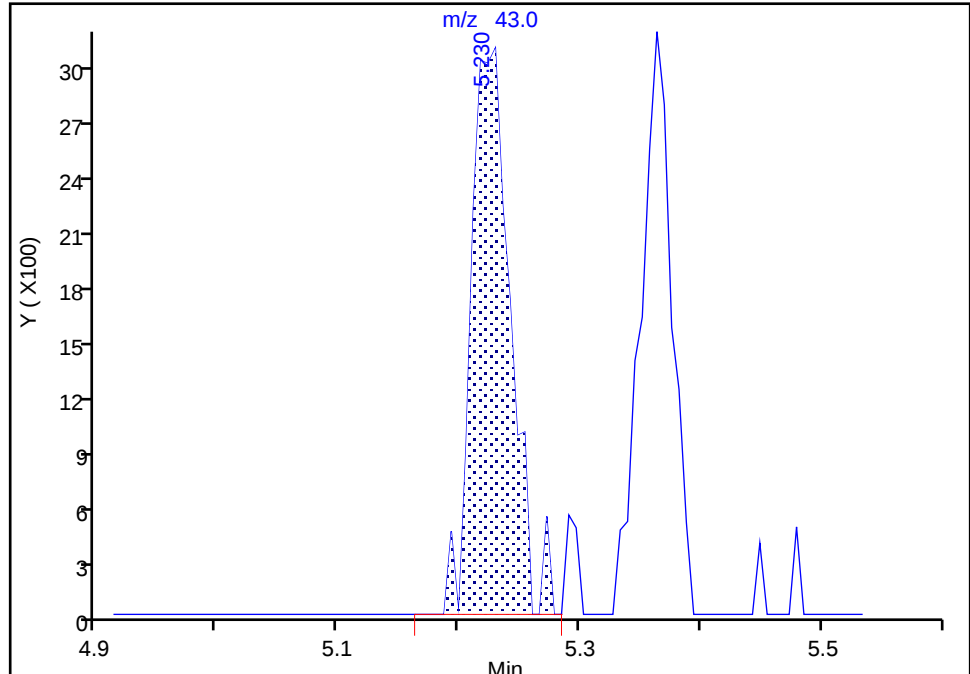
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

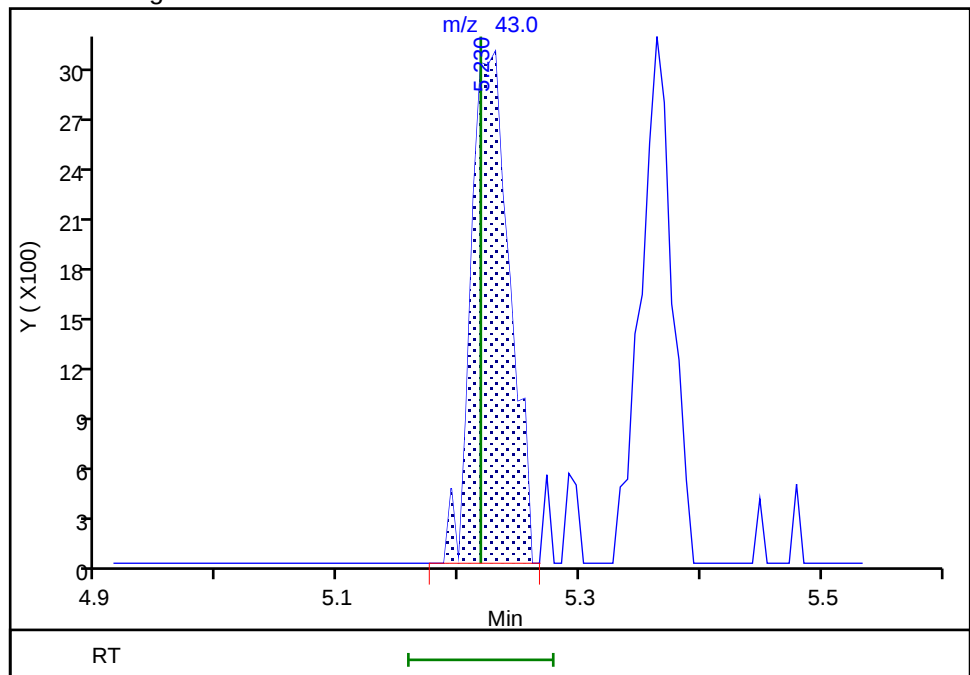
RT: 5.23
Area: 7013
Amount: 11.474483
Amount Units: ug/L

Processing Integration Results



RT: 5.23
Area: 6817
Amount: 11.127181
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:53:11
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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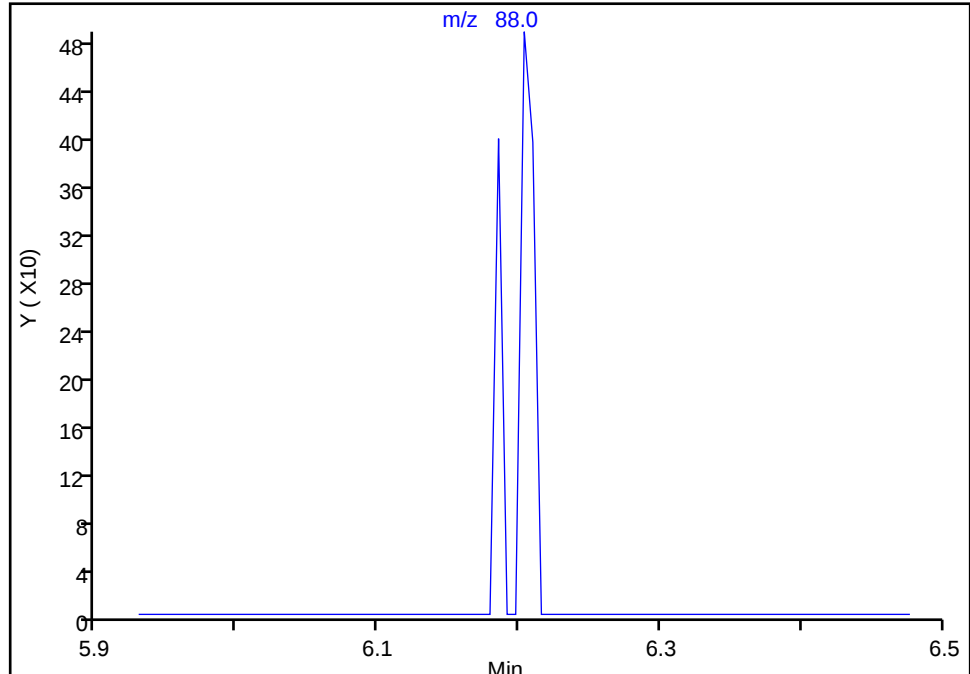
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

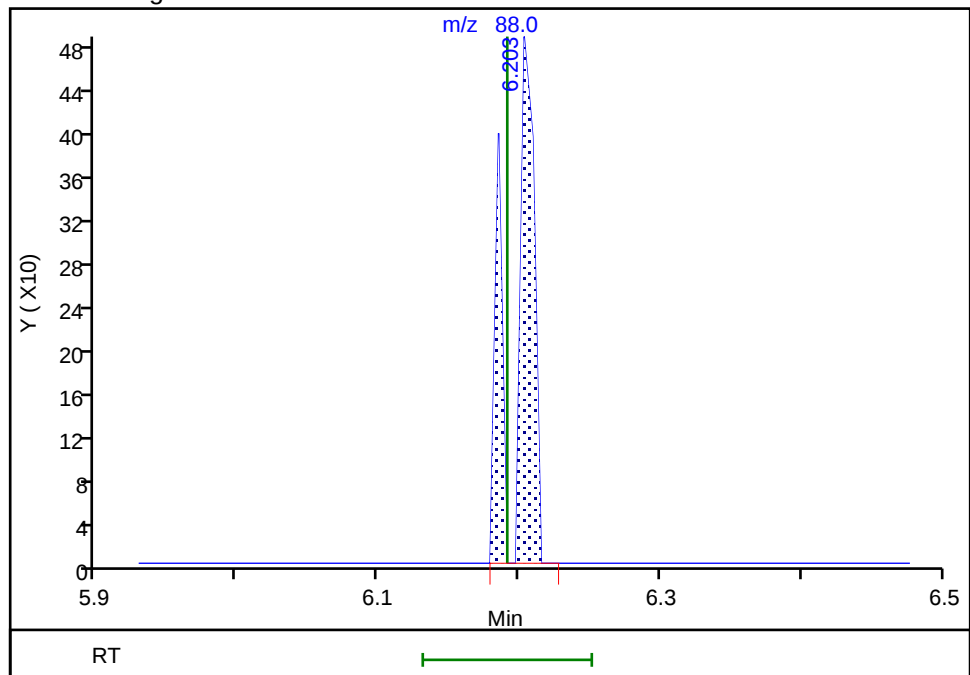
Not Detected
Expected RT: 6.19

Processing Integration Results



RT: 6.20
Area: 465
Amount: 3.053924
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:53:25
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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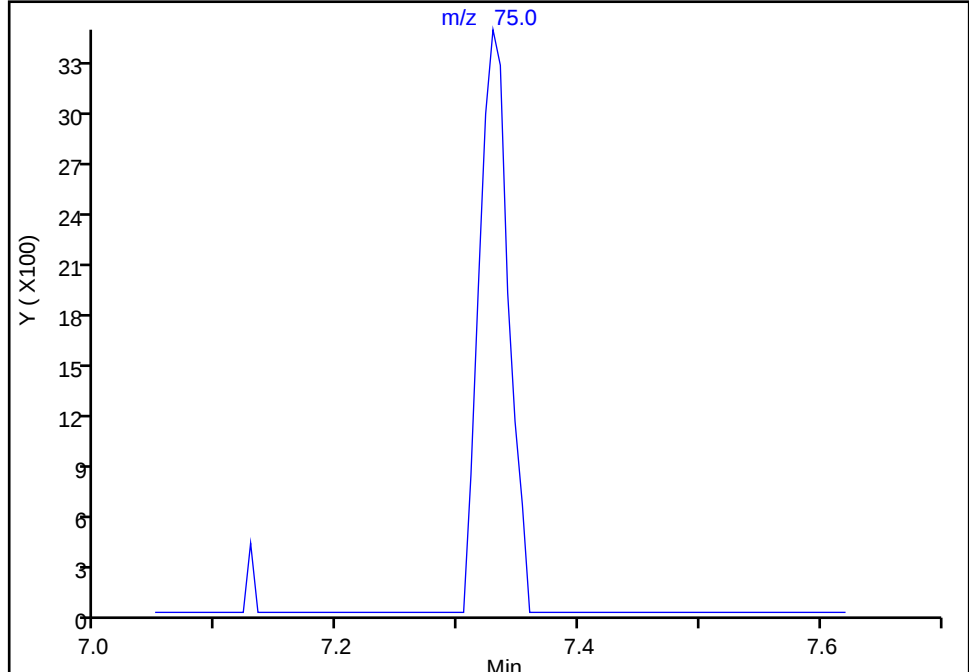
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

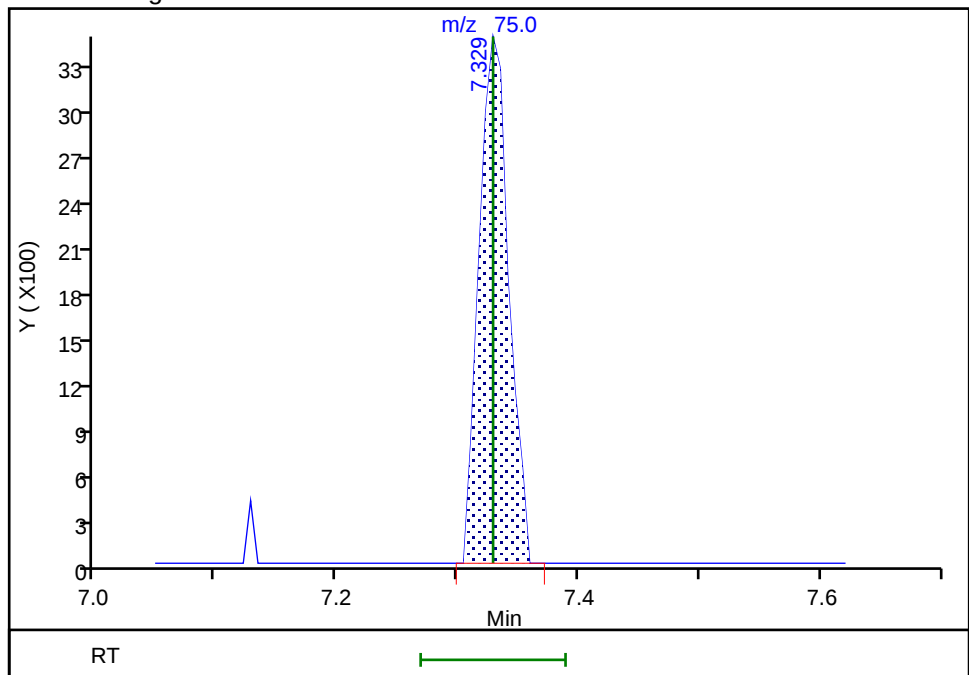
Not Detected
Expected RT: 7.33

Processing Integration Results



RT: 7.33
Area: 5895
Amount: 0.445307
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:53:39

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

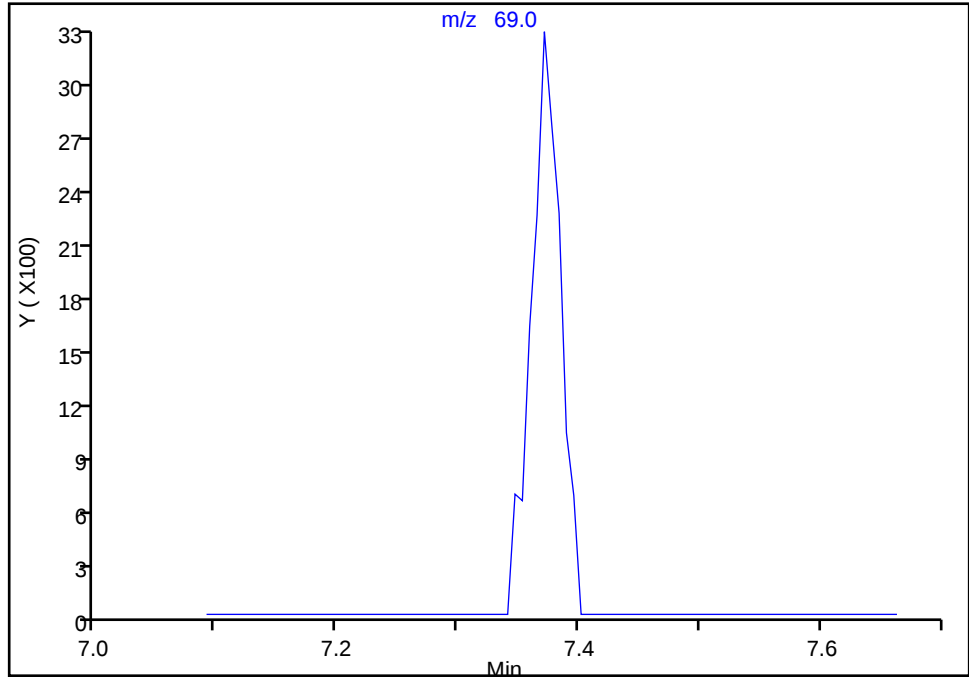
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

75 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

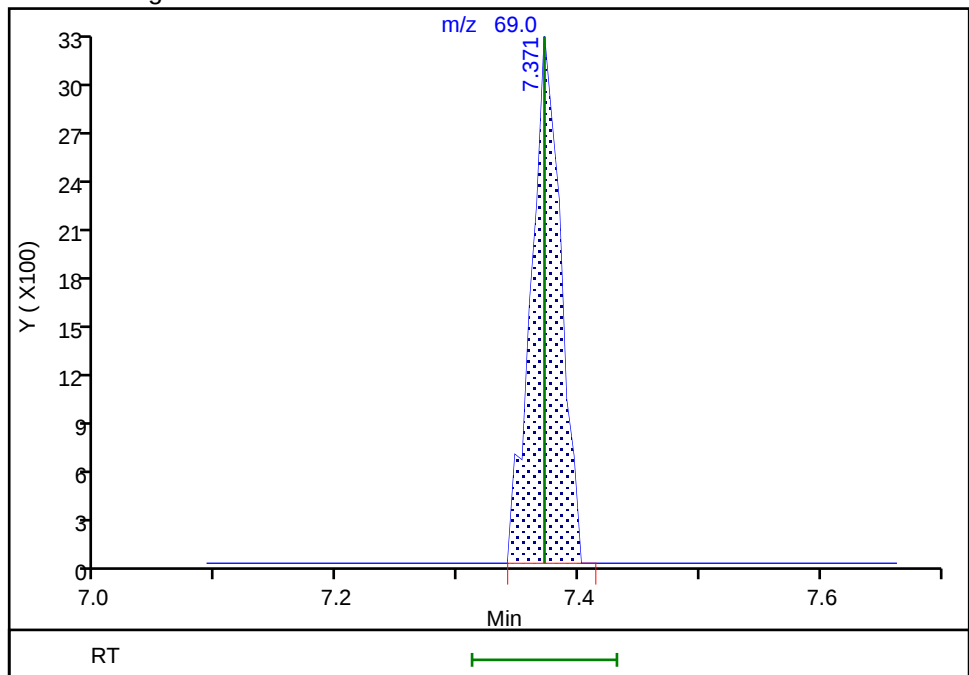
Not Detected
Expected RT: 7.37

Processing Integration Results



RT: 7.37
Area: 5408
Amount: 0.459040
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:53:44

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

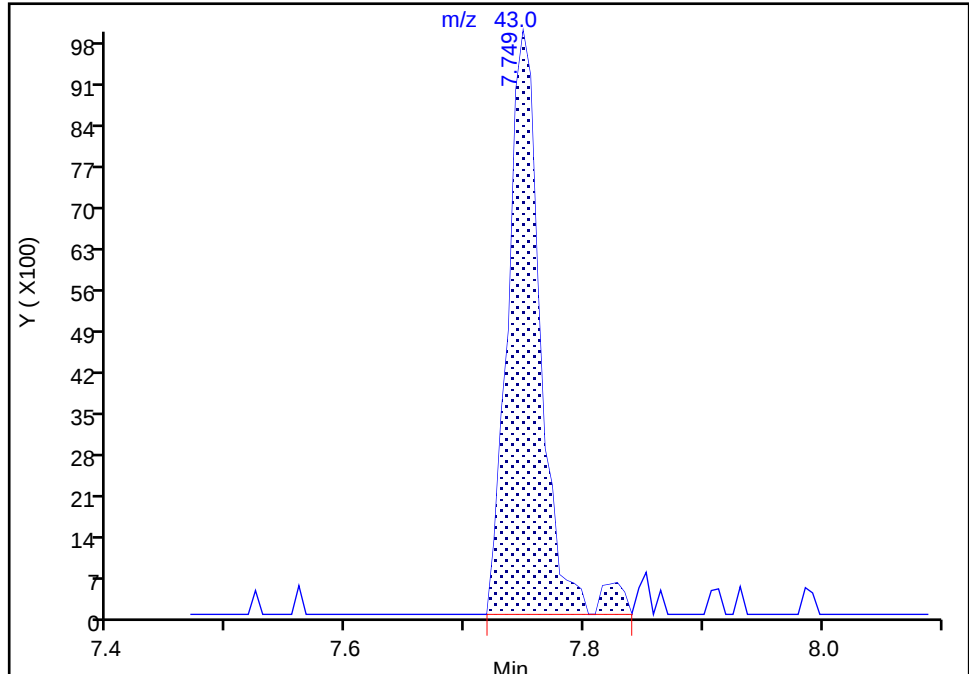
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

80 2-Hexanone, CAS: 591-78-6

Signal: 1

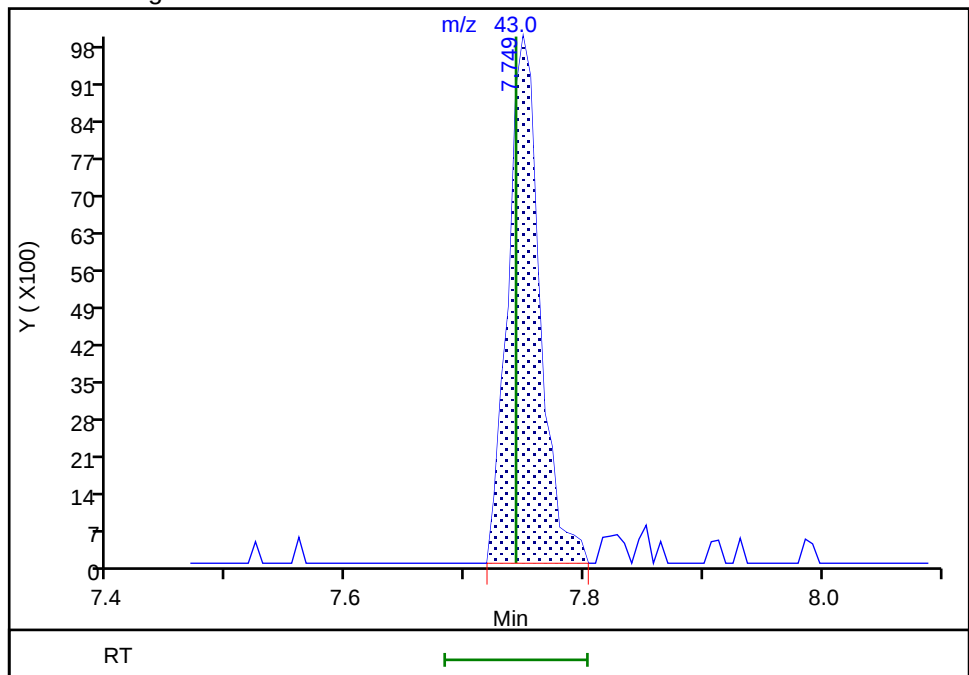
RT: 7.75
Area: 19098
Amount: 2.330041
Amount Units: ug/L

Processing Integration Results



RT: 7.75
Area: 18401
Amount: 2.252761
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:53:54
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

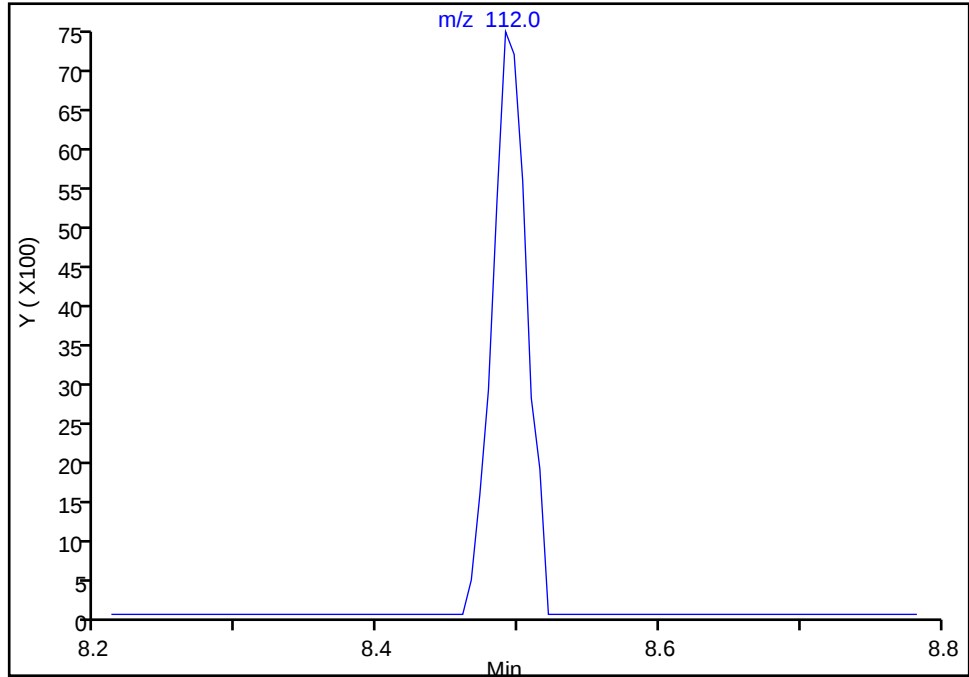
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

87 Chlorobenzene, CAS: 108-90-7

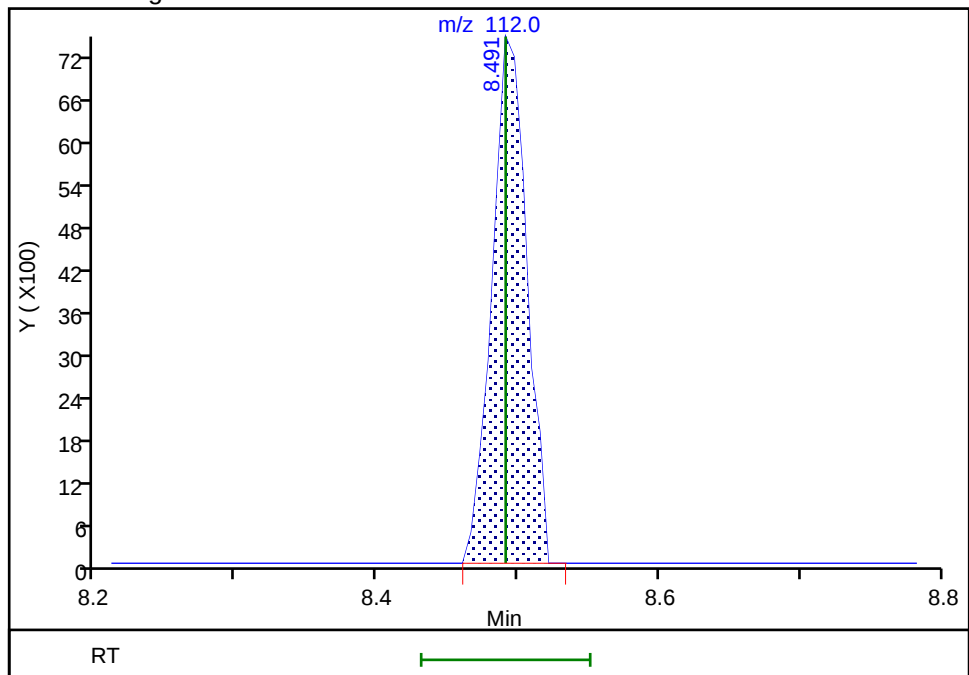
Signal: 1

Not Detected
Expected RT: 8.49

Processing Integration Results



Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:54:01
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 26-Mar-2019 15:08:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0079693-007
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 28-Mar-2019 12:18:19 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: HillL

Date: 26-Mar-2019 16:09:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	152452	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	87	281544	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.845	10.851	-0.006	96	279046	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	55	219742	25.0	26.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.187	0.006	91	129629	25.0	25.2	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	92	702506	25.0	25.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.714	9.714	0.000	87	208845	25.0	24.2	
10 Dichlorodifluoromethane	85	1.282	1.276	0.006	77	8448	1.00	0.9359	
12 Chloromethane	50	1.446	1.446	0.000	88	12347	1.00	1.12	
151 Butadiene	54	1.543	1.543	0.000	81	10378	1.00	1.03	Ma
13 Vinyl chloride	62	1.543	1.549	-0.006	41	10711	1.00	1.04	
14 Bromomethane	94	1.841	1.841	0.000	71	7619	1.00	1.07	M
15 Chloroethane	64	1.933	1.927	0.006	56	7535	1.00	1.09	M
16 Dichlorofluoromethane	67	2.158	2.158	0.000	79	14702	1.00	0.9781	M
17 Trichlorofluoromethane	101	2.158	2.164	-0.006	37	13103	1.00	0.9837	
18 Ethyl ether	59	2.456	2.450	0.006	80	9255	1.00	1.06	
20 Acrolein	56	2.632	2.638	-0.006	69	12550	5.00	5.01	
21 1,1,2-Trichloro-1,2,2-trif	101	2.651	2.657	-0.006	23	6887	1.00	0.9086	
22 1,1-Dichloroethene	96	2.675	2.669	0.006	70	7346	1.00	0.9556	
23 Acetone	43	2.797	2.797	0.000	0	19565	5.00	4.81	M
25 Iodomethane	142	2.845	2.839	0.006	78	14137	1.00	1.02	
26 Carbon disulfide	76	2.863	2.870	-0.007	84	26578	1.00	1.04	
28 3-Chloro-1-propene	41	3.046	3.046	0.000	79	15737	1.00	1.07	M
27 Methyl acetate	43	3.101	3.101	0.000	92	19695	2.00	1.98	
30 Methylene Chloride	84	3.204	3.198	0.006	78	14113	1.00	1.00	
31 2-Methyl-2-propanol	59	3.387	3.375	0.012	74	13293	10.0	8.64	M
32 Methyl tert-butyl ether	73	3.411	3.405	0.006	88	28096	1.00	0.9852	
34 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	73	9413	1.00	1.01	
33 Acrylonitrile	53	3.490	3.490	0.000	95	45643	10.0	9.21	
35 Hexane	57	3.618	3.618	0.000	84	9552	1.00	0.8176	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.849	3.849	0.000	64	15664	1.00	0.9522	
37 Vinyl acetate	43	3.904	3.904	0.000	94	36360	2.00	1.77	M
44 2,2-Dichloropropane	77	4.372	4.372	0.000	52	8396	1.00	1.02	
45 cis-1,2-Dichloroethene	96	4.409	4.409	0.000	53	10563	1.00	1.02	
43 2-Butanone (MEK)	43	4.451	4.445	0.006	90	25158	5.00	4.41	
48 Chlorobromomethane	128	4.646	4.646	0.000	81	5134	1.00	0.9896	
49 Tetrahydrofuran	42	4.664	4.664	0.000	79	6962	2.00	1.75	
50 Chloroform	83	4.725	4.725	0.000	67	17453	1.00	1.06	
52 Cyclohexane	56	4.835	4.835	0.000	77	14996	1.00	0.9694	
51 1,1,1-Trichloroethane	97	4.835	4.835	0.000	73	12894	1.00	0.99	
55 Carbon tetrachloride	117	4.968	4.968	0.000	57	11081	1.00	1.01	
54 1,1-Dichloropropene	75	4.981	4.987	-0.006	70	11610	1.00	0.9624	
57 Benzene	78	5.193	5.194	-0.001	46	34599	1.00	0.9837	
53 Isobutyl alcohol	43	5.230	5.218	0.012	65	10517	25.0	19.0	M
58 1,2-Dichloroethane	62	5.260	5.267	-0.007	19	15164	1.00	1.07	
59 n-Heptane	43	5.364	5.364	0.000	82	10647	1.00	0.9227	M
62 Trichloroethene	95	5.802	5.802	0.000	77	9085	1.00	1.01	
64 Methylcyclohexane	83	5.917	5.917	0.000	74	14382	1.00	0.9405	
65 1,2-Dichloropropane	63	6.051	6.051	0.000	54	6963	1.00	0.8615	
67 Dibromomethane	93	6.191	6.185	0.006	63	6731	1.00	1.14	
66 1,4-Dioxane	88	6.191	6.191	0.000	0	1776	20.0	14.5	M
68 Dichlorobromomethane	83	6.343	6.343	0.000	70	10490	1.00	0.9681	
69 2-Chloroethyl vinyl ether	63	6.623	6.623	0.000	73	4594	1.00	0.8105	
72 cis-1,3-Dichloropropene	75	6.757	6.757	0.000	62	11515	1.00	0.8982	
73 4-Methyl-2-pentanone (MIBK)	43	6.903	6.903	0.000	88	46853	5.00	4.47	
74 Toluene	92	7.043	7.043	0.000	82	18635	1.00	0.9454	
77 trans-1,3-Dichloropropene	75	7.329	7.329	0.000	57	9237	1.00	0.8650	
75 Ethyl methacrylate	69	7.371	7.371	0.000	47	7679	1.00	0.8081	
79 1,1,2-Trichloroethane	83	7.517	7.517	0.000	62	5046	1.00	0.8714	
81 Tetrachloroethene	166	7.572	7.572	0.000	77	8355	1.00	0.9831	
82 1,3-Dichloropropane	76	7.682	7.682	0.000	69	10873	1.00	0.9049	
80 2-Hexanone	43	7.749	7.743	0.006	76	28269	5.00	4.29	
83 Chlorodibromomethane	129	7.913	7.919	-0.006	36	6508	1.00	0.9134	
84 Ethylene Dibromide	107	8.022	8.022	0.000	53	6588	1.00	0.8756	
87 Chlorobenzene	112	8.497	8.491	0.006	38	21571	1.00	0.9830	
88 Ethylbenzene	91	8.582	8.582	0.000	81	33397	1.00	0.9029	
89 1,1,1,2-Tetrachloroethane	131	8.588	8.594	-0.006	22	7324	1.00	0.9253	
90 m-Xylene & p-Xylene	106	8.716	8.704	0.012	69	14567	1.00	0.9819	a
91 o-Xylene	106	9.130	9.136	-0.006	87	14564	1.00	0.9699	
92 Styrene	104	9.166	9.166	0.000	80	20738	1.00	0.8887	
95 Bromoform	173	9.415	9.416	-0.001	65	4298	1.00	0.9008	
94 Isopropylbenzene	105	9.519	9.513	0.006	75	37293	1.00	0.9682	
101 Bromobenzene	156	9.866	9.866	0.000	69	9048	1.00	0.9462	
97 1,1,2,2-Tetrachloroethane	83	9.926	9.927	-0.001	58	10530	1.00	0.9868	
99 N-Propylbenzene	91	9.945	9.939	0.006	93	40860	1.00	0.9001	
100 1,2,3-Trichloropropane	110	9.963	9.957	0.006	47	3290	1.00	0.8945	
98 trans-1,4-Dichloro-2-buten	53	9.975	9.969	0.006	37	2953	1.00	0.8646	M
103 2-Chlorotoluene	126	10.042	10.048	-0.006	86	8510	1.00	0.8993	
102 1,3,5-Trimethylbenzene	105	10.115	10.121	-0.006	81	29872	1.00	0.8786	
105 4-Chlorotoluene	126	10.158	10.158	0.000	82	9664	1.00	1.02	
106 tert-Butylbenzene	134	10.431	10.438	-0.007	76	5719	1.00	0.8076	
107 1,2,4-Trimethylbenzene	105	10.486	10.492	-0.006	27	31162	1.00	0.9102	

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	10.644	10.644	0.000	83	36088	1.00	0.8646	
110 4-Isopropyltoluene	119	10.784	10.784	0.000	83	33246	1.00	0.8745	
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	65	17065	1.00	0.9243	
113 1,4-Dichlorobenzene	146	10.869	10.870	-0.001	78	18036	1.00	0.9520	
115 n-Butylbenzene	91	11.168	11.168	0.000	87	29518	1.00	0.8866	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	83	17644	1.00	0.9012	
117 1,2-Dibromo-3-Chloropropan	75	11.958	11.958	0.000	30	2287	1.00	0.9514	
119 1,2,4-Trichlorobenzene	180	12.628	12.622	0.006	65	15081	1.00	1.00	
120 Hexachlorobutadiene	225	12.731	12.731	0.000	64	6620	1.00	0.9322	
121 Naphthalene	128	12.834	12.841	-0.007	87	43848	1.00	0.9631	
122 1,2,3-Trichlorobenzene	180	13.041	13.041	0.000	78	16451	1.00	1.09	
S 124 Xylenes, Total	1				0			1.95	
S 123 Total BTEX	1				0			4.78	
S 126 1,3-Dichloropropene, Total	1				0			1.76	
S 125 1,2-Dichloroethene, Total	1				0			2.04	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00151

Amount Added: 1.00

Units: uL

GAS CORP mix_00333

Amount Added: 1.00

Units: uL

S_8260_IS_00316

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00309

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D

Injection Date: 26-Mar-2019 15:08:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

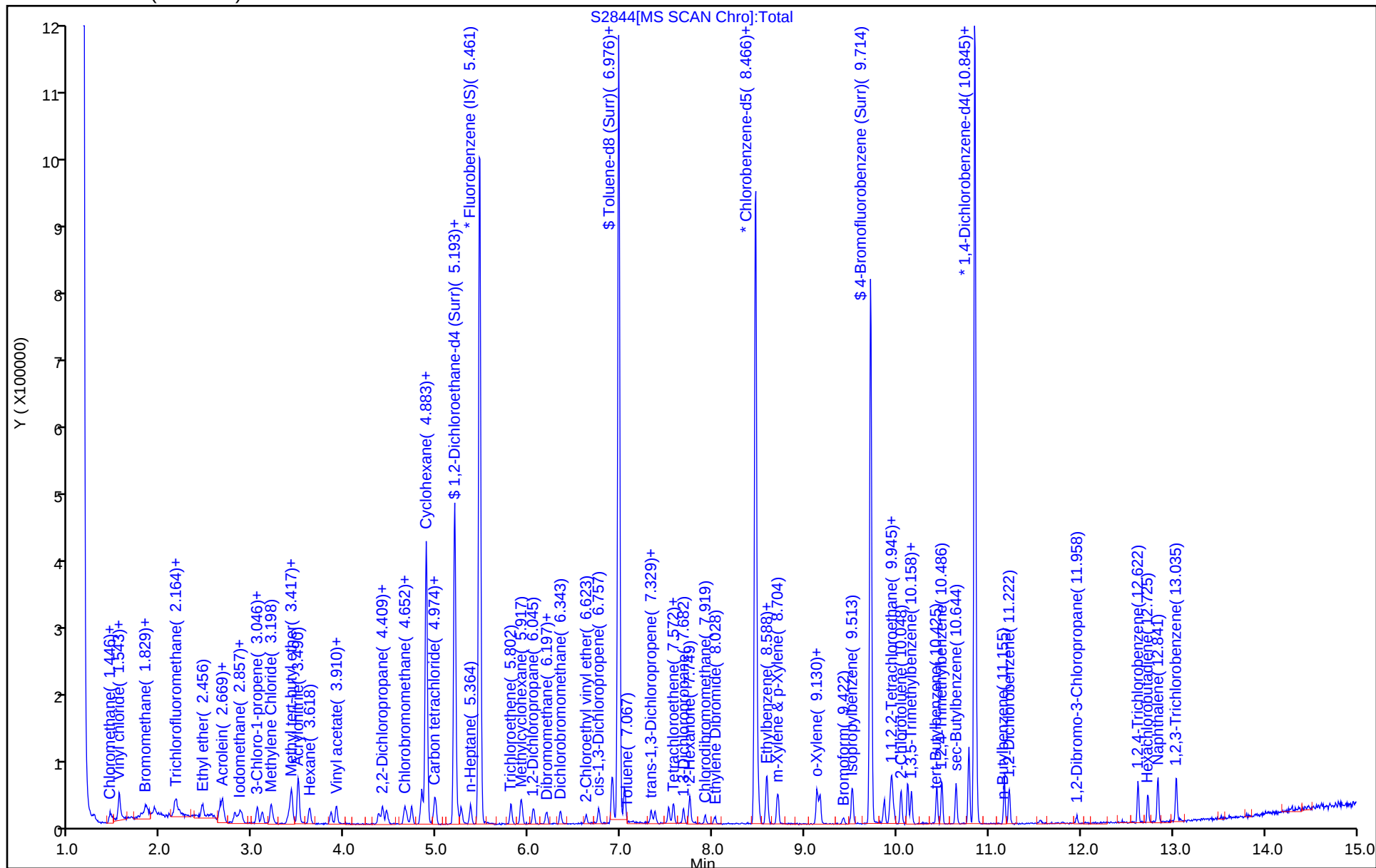
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



TestAmerica Buffalo

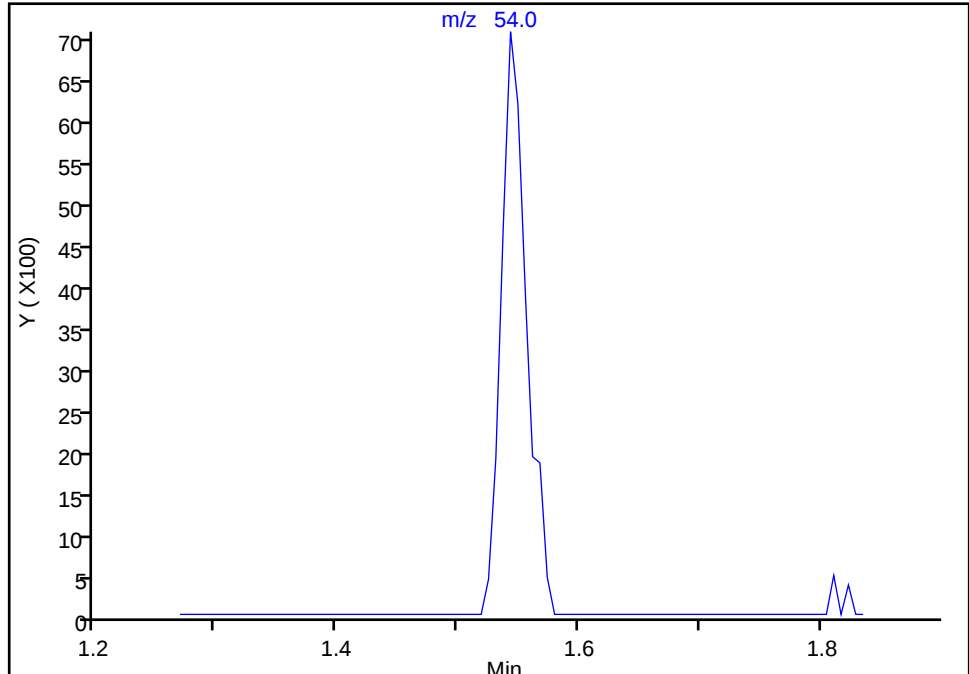
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Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

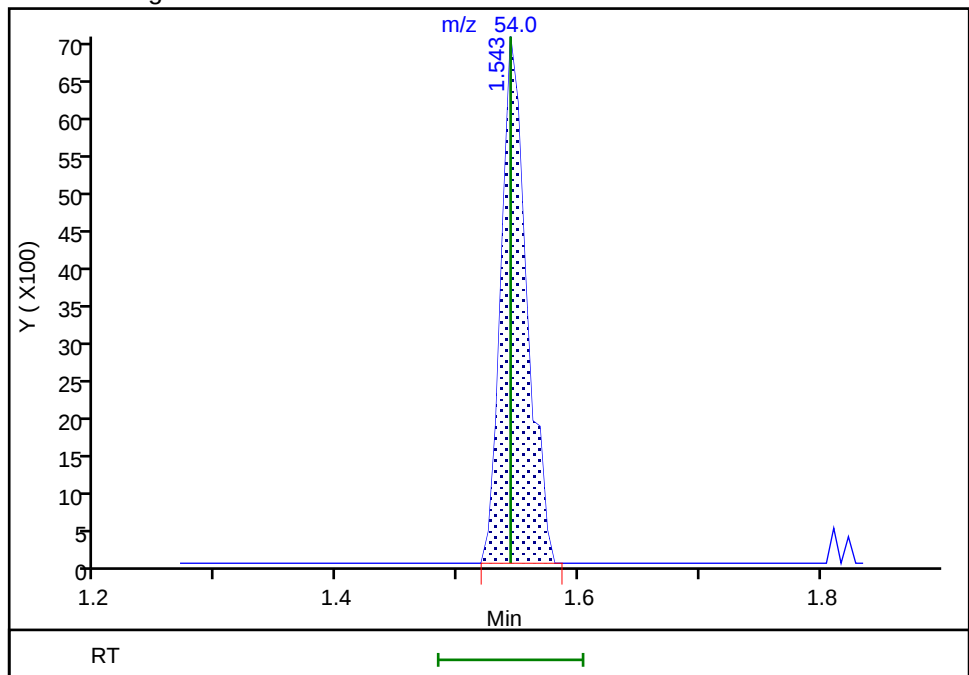
Not Detected
Expected RT: 1.54

Processing Integration Results



RT: 1.54
Area: 10378
Amount: 1.026990
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:55:17
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

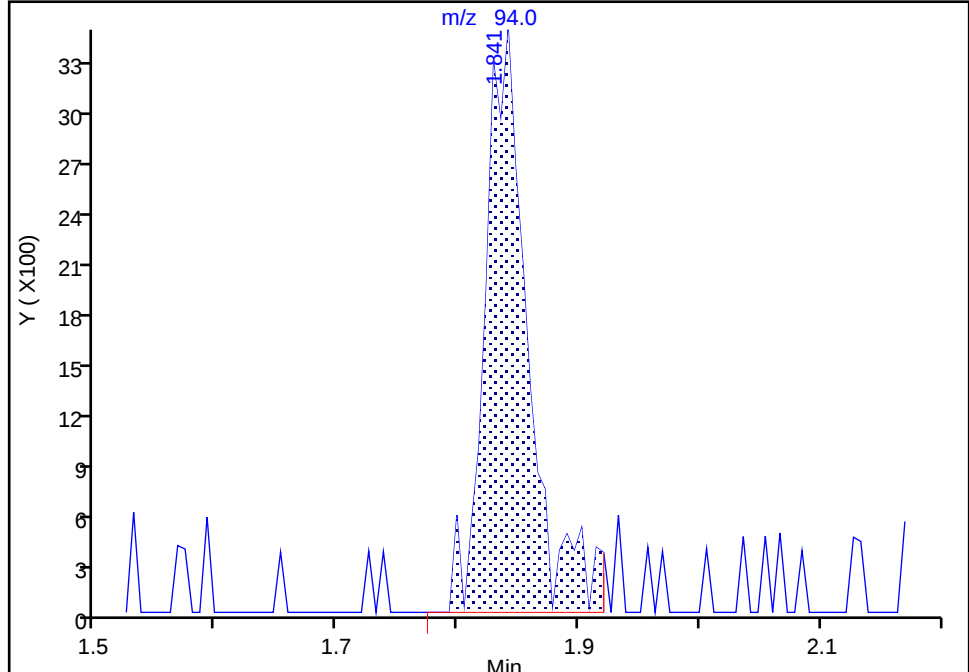
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Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

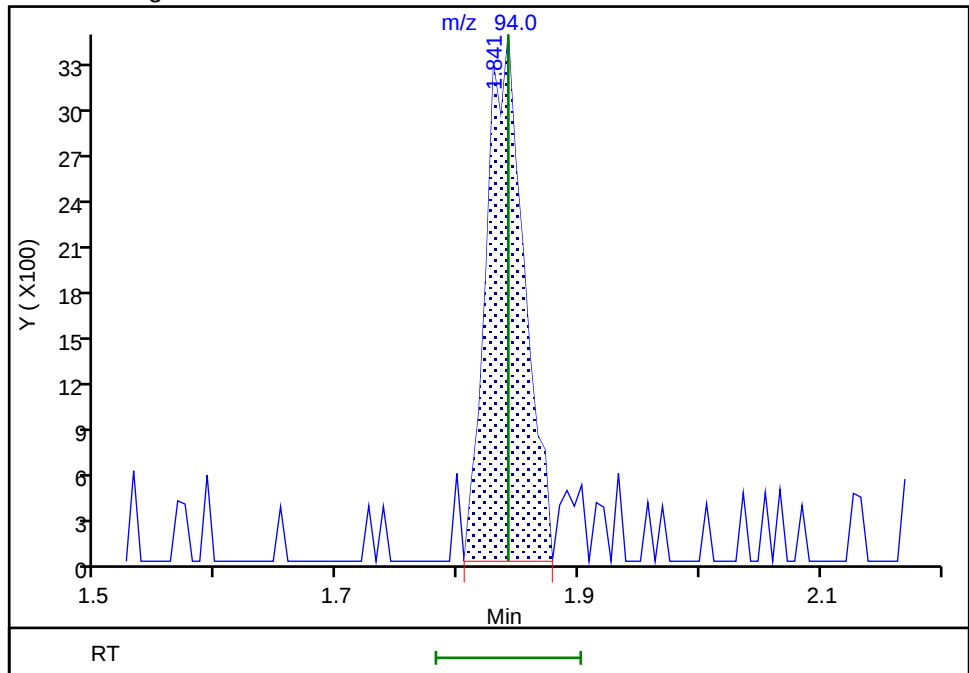
RT: 1.84
Area: 8732
Amount: 1.149857
Amount Units: ug/L

Processing Integration Results



RT: 1.84
Area: 7619
Amount: 1.067344
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:55:26

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

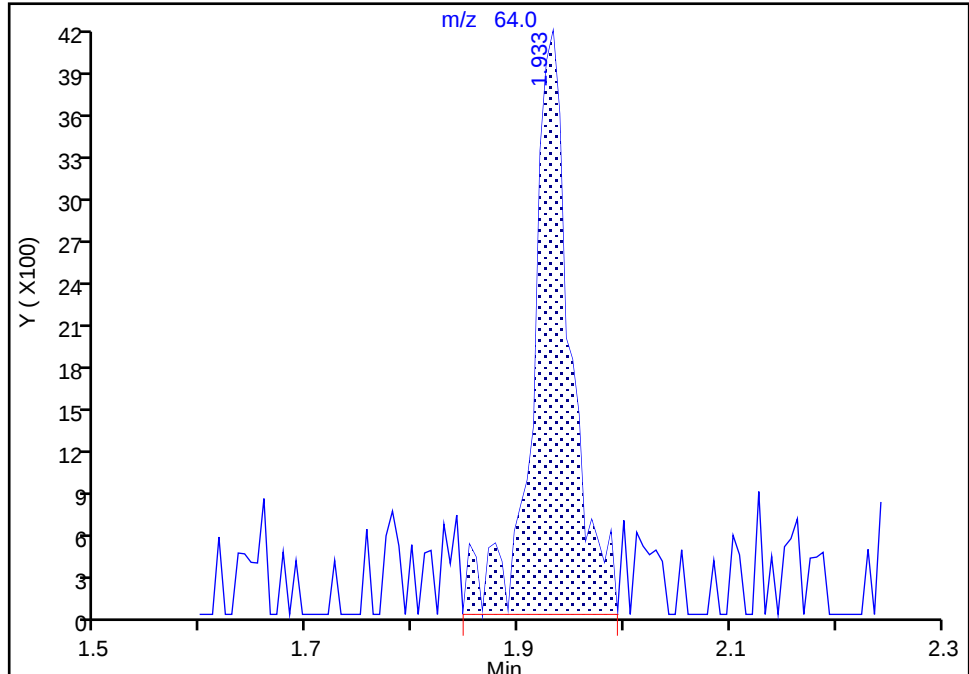
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Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

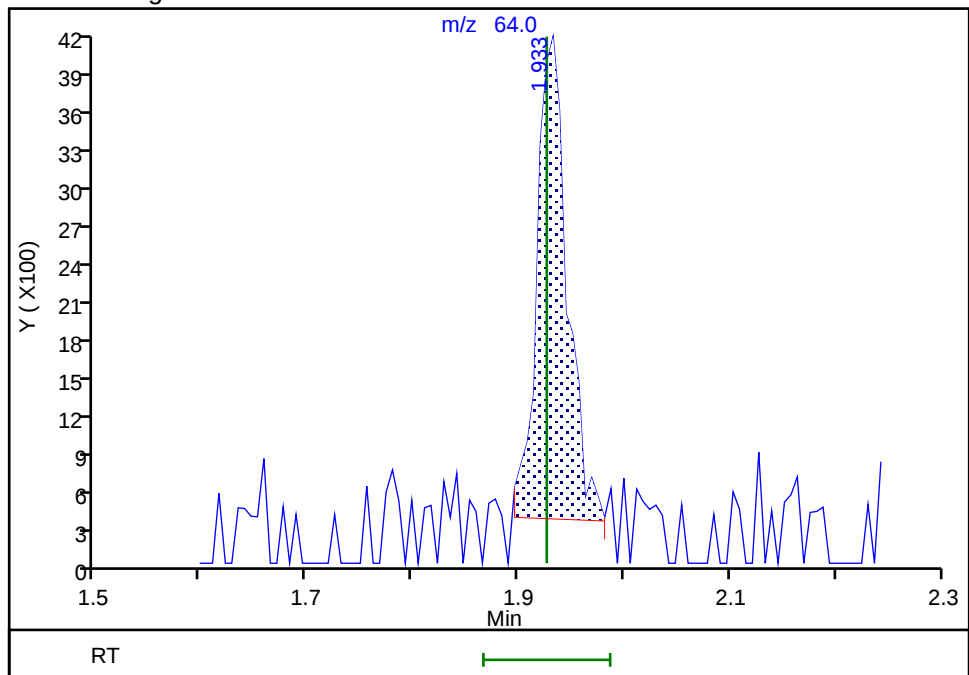
RT: 1.93
Area: 10470
Amount: 1.102172
Amount Units: ug/L

Processing Integration Results



RT: 1.93
Area: 7535
Amount: 1.085157
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 28-Mar-2019 11:36:04

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

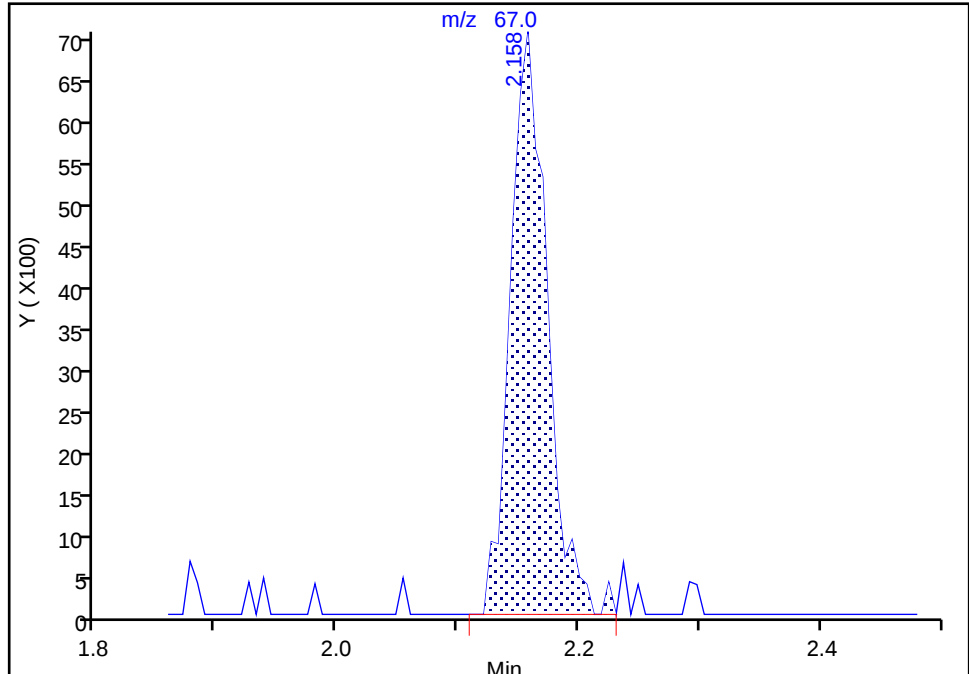
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Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

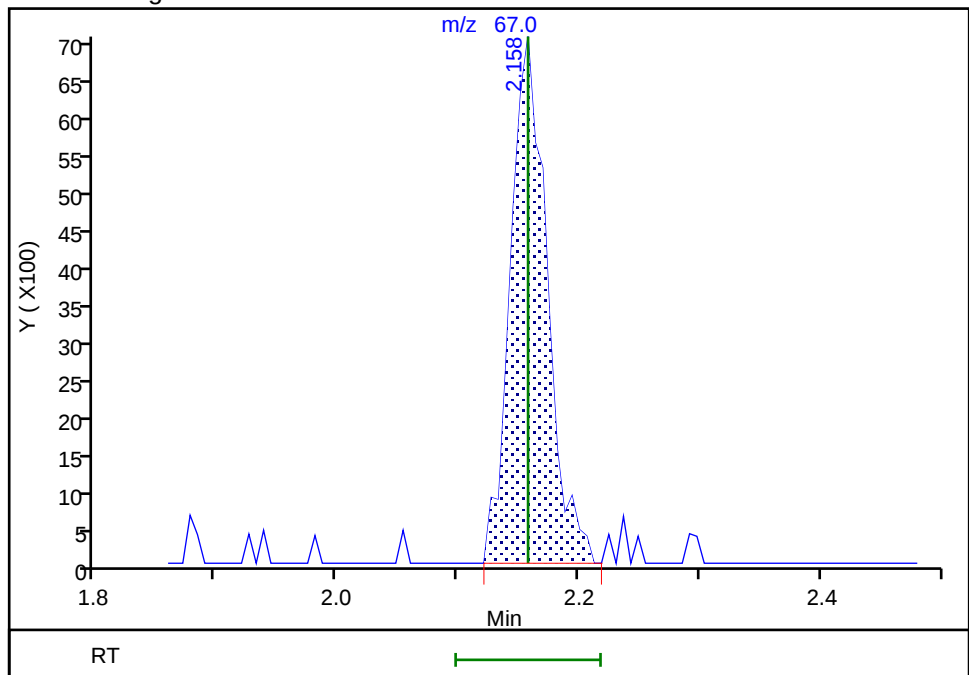
RT: 2.16
Area: 14841
Amount: 0.986702
Amount Units: ug/L

Processing Integration Results



RT: 2.16
Area: 14702
Amount: 0.978149
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:55:50
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

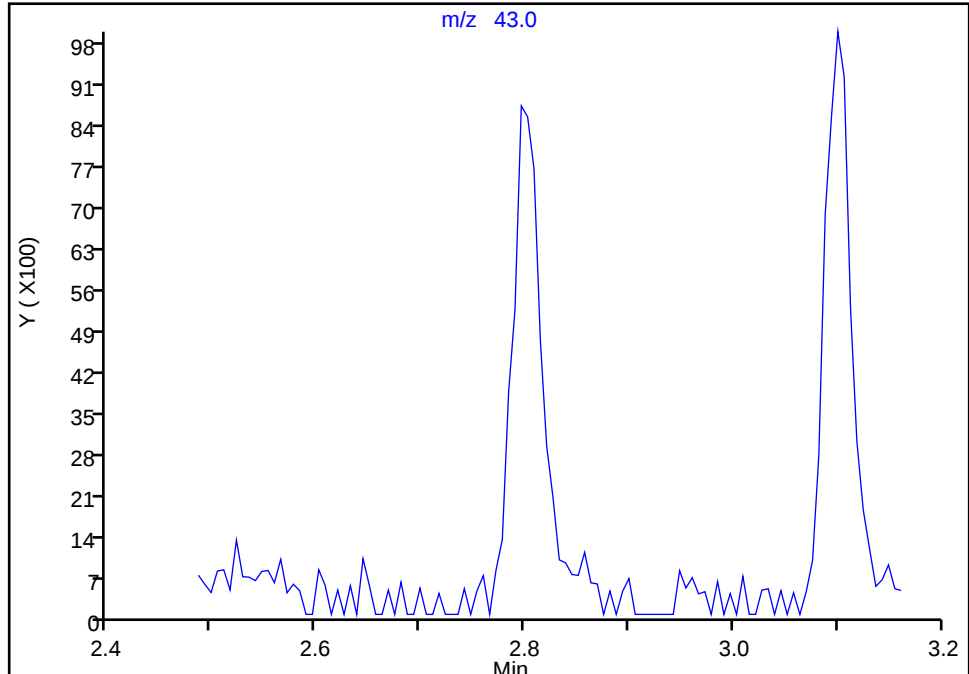
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

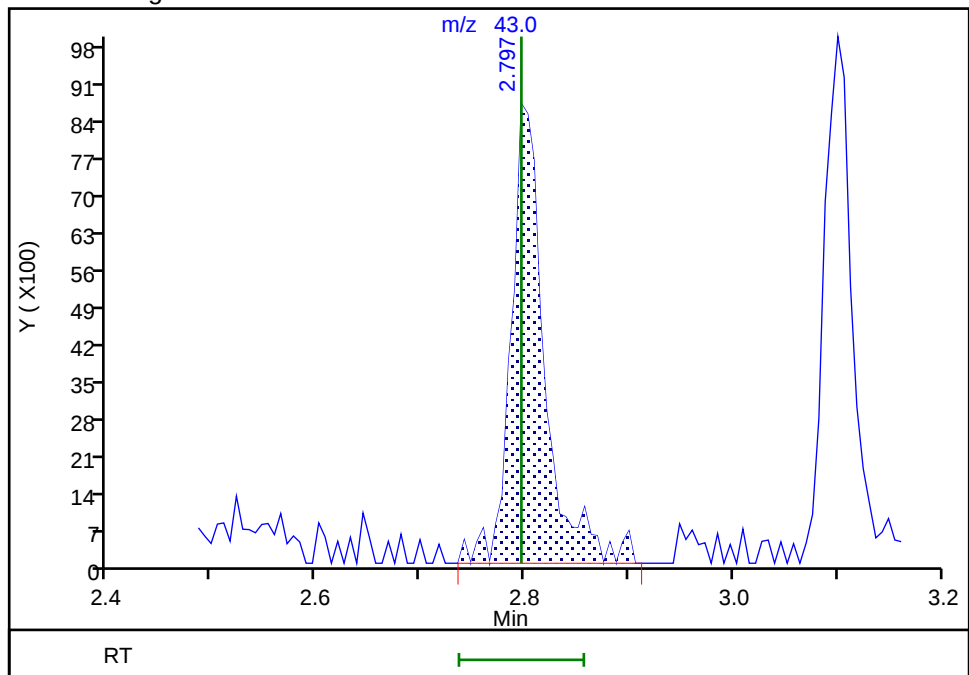
Signal: 1

Not Detected
Expected RT: 2.80

Processing Integration Results



Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:56:02
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

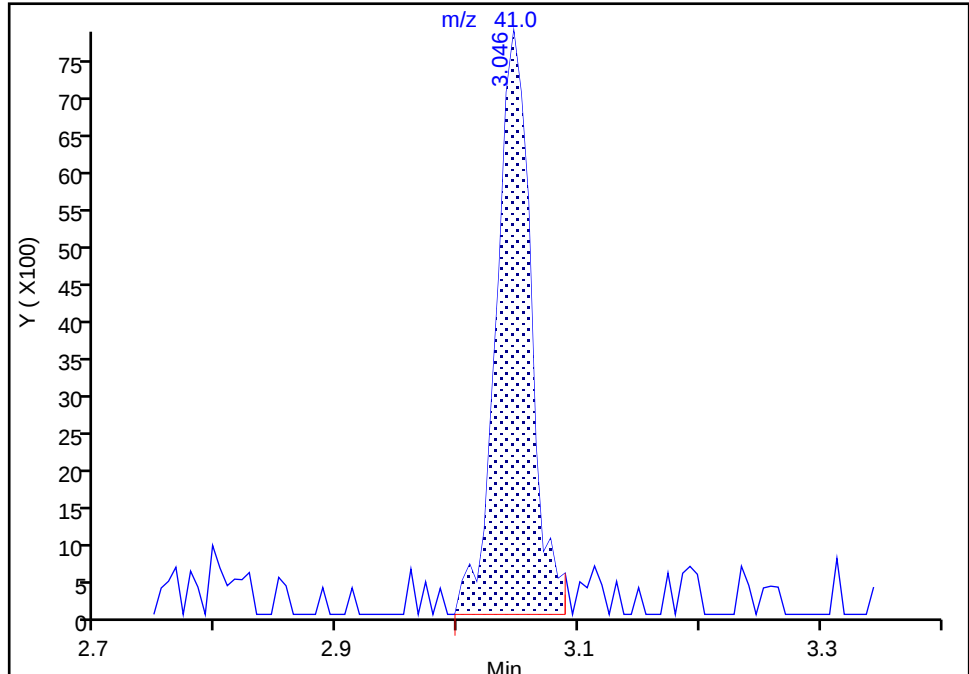
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Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

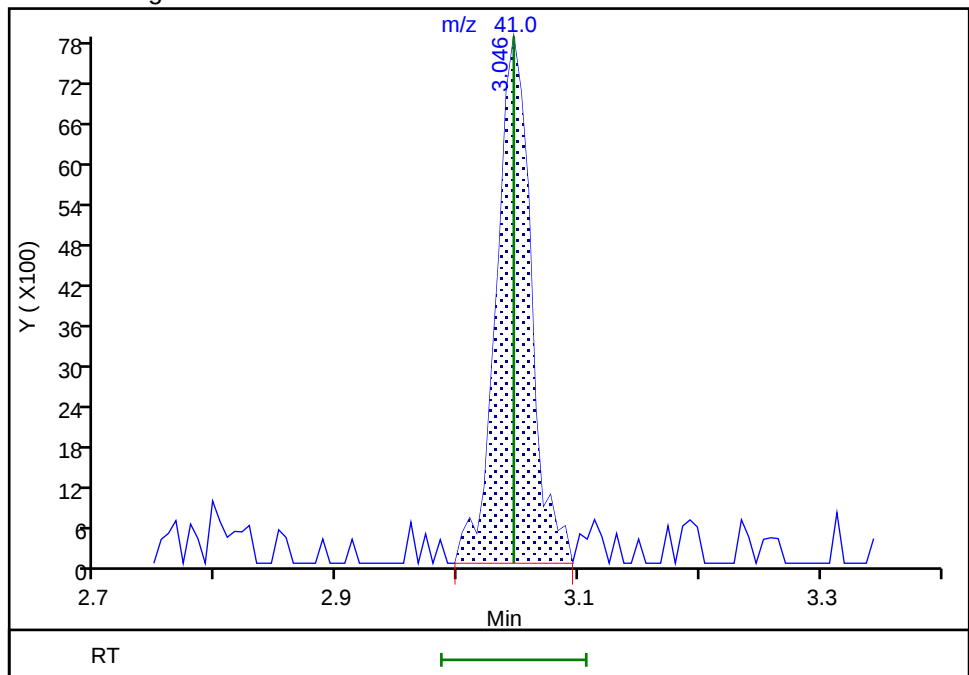
RT: 3.05
Area: 15737
Amount: 1.093449
Amount Units: ug/L

Processing Integration Results



RT: 3.05
Area: 15737
Amount: 1.072609
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:56:12

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

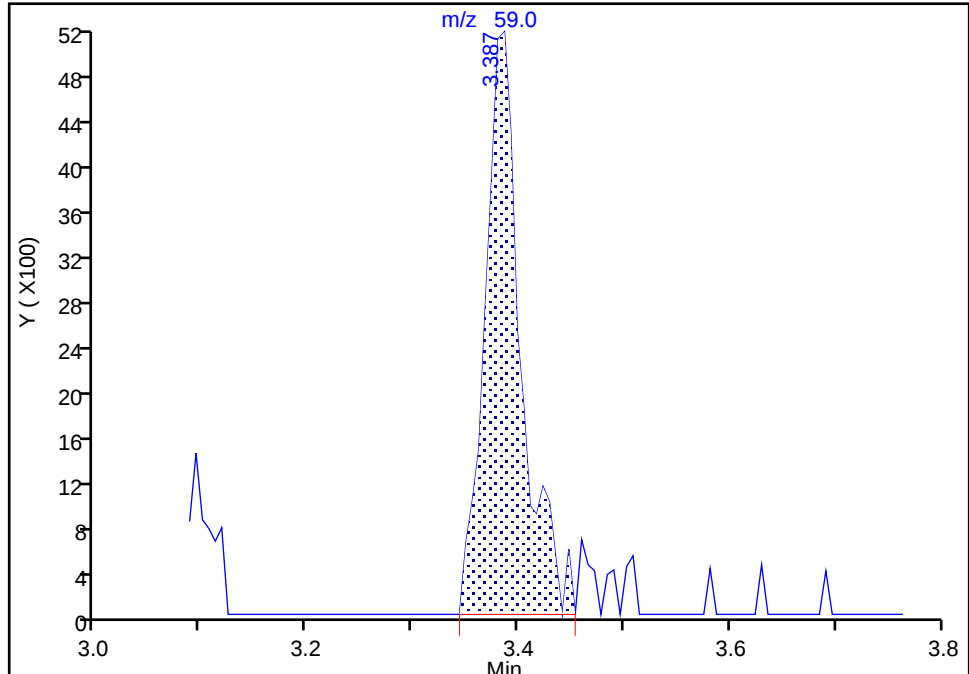
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Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

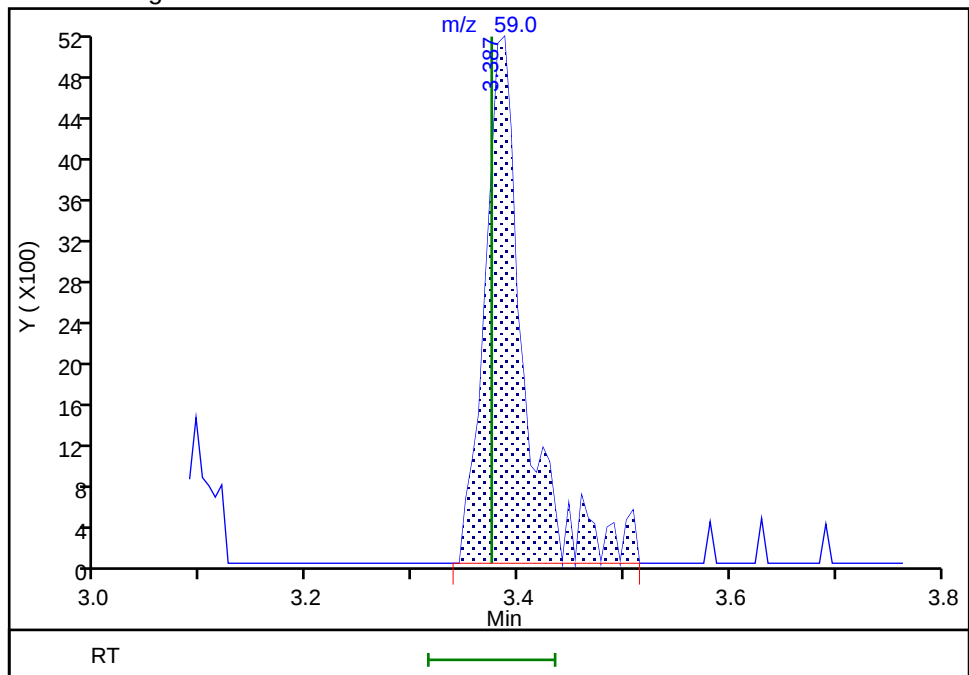
RT: 3.39
Area: 12143
Amount: 8.073229
Amount Units: ug/L

Processing Integration Results



RT: 3.39
Area: 13293
Amount: 8.644106
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:56:22

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

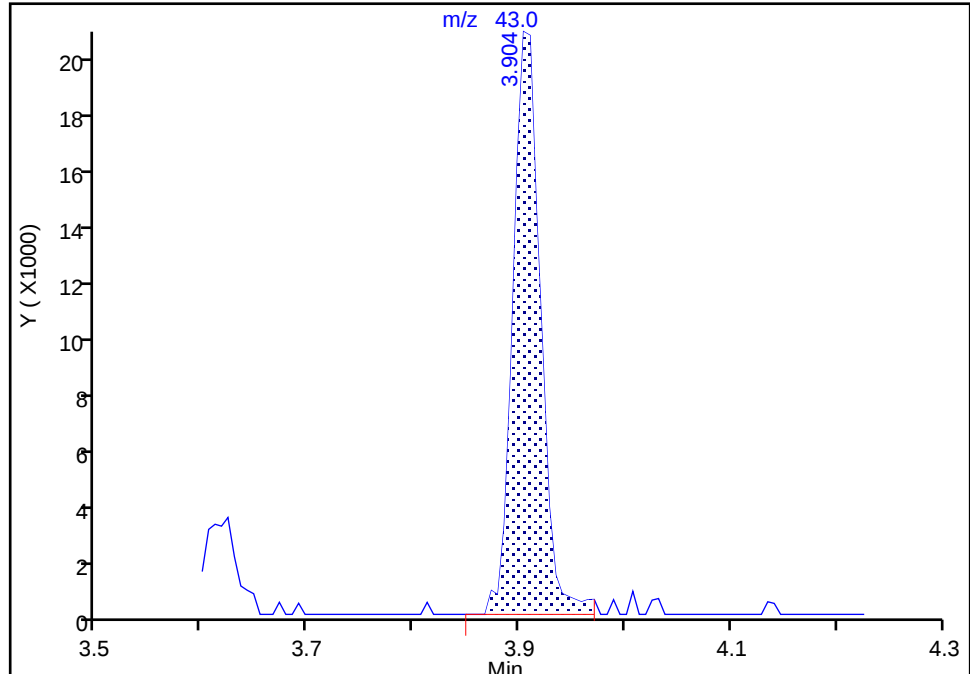
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

37 Vinyl acetate, CAS: 108-05-4

Signal: 1

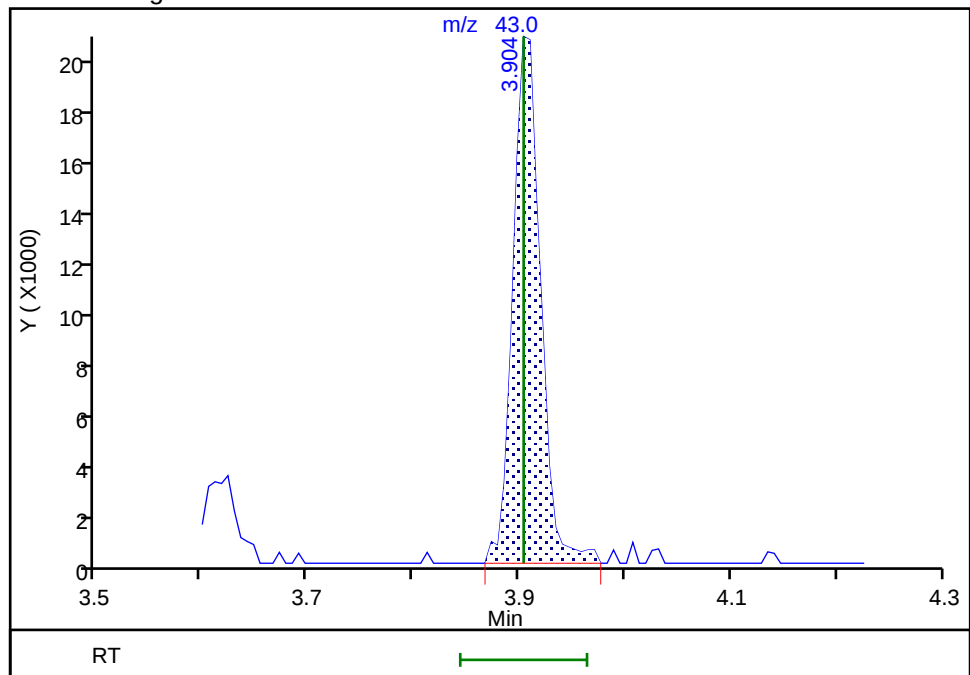
RT: 3.90
Area: 36360
Amount: 1.811194
Amount Units: ug/L

Processing Integration Results



RT: 3.90
Area: 36360
Amount: 1.772907
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:56:33
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

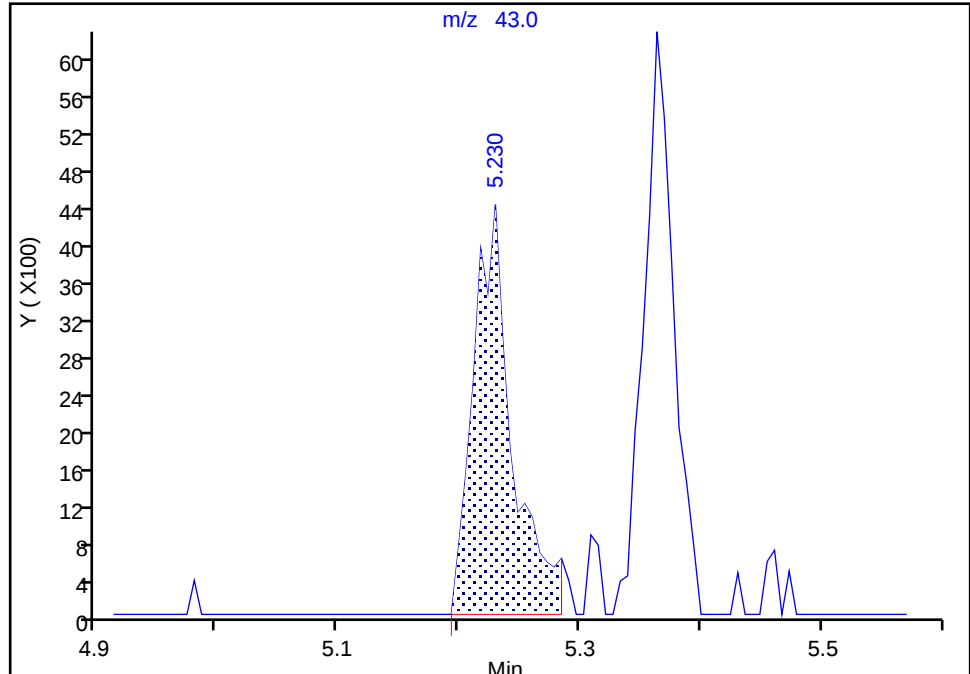
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Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

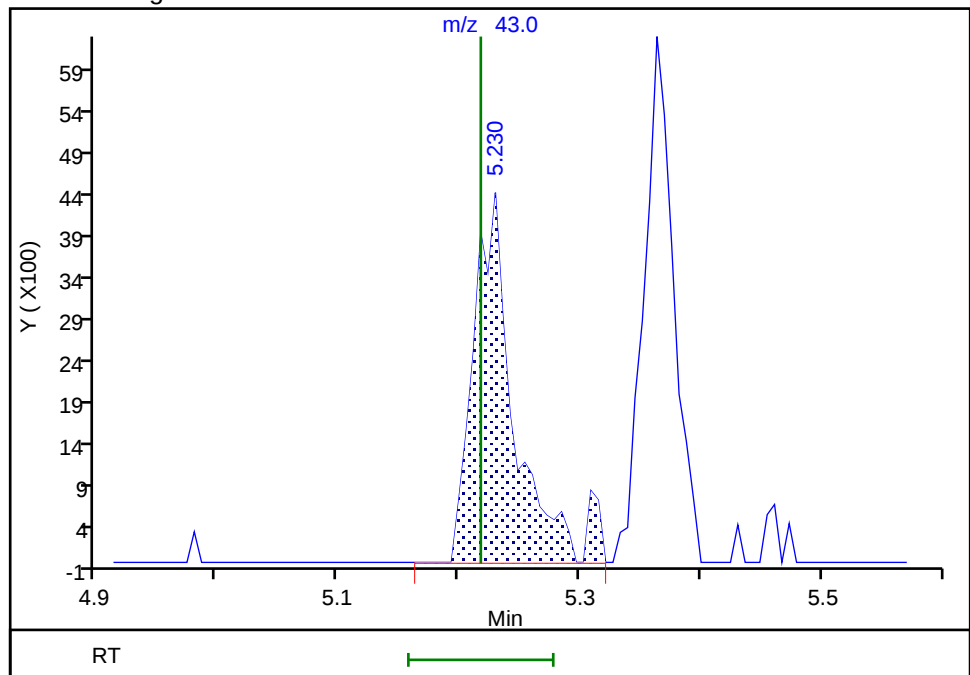
RT: 5.23
Area: 9710
Amount: 17.662958
Amount Units: ug/L

Processing Integration Results



RT: 5.23
Area: 10517
Amount: 19.024080
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 28-Mar-2019 11:48:08
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

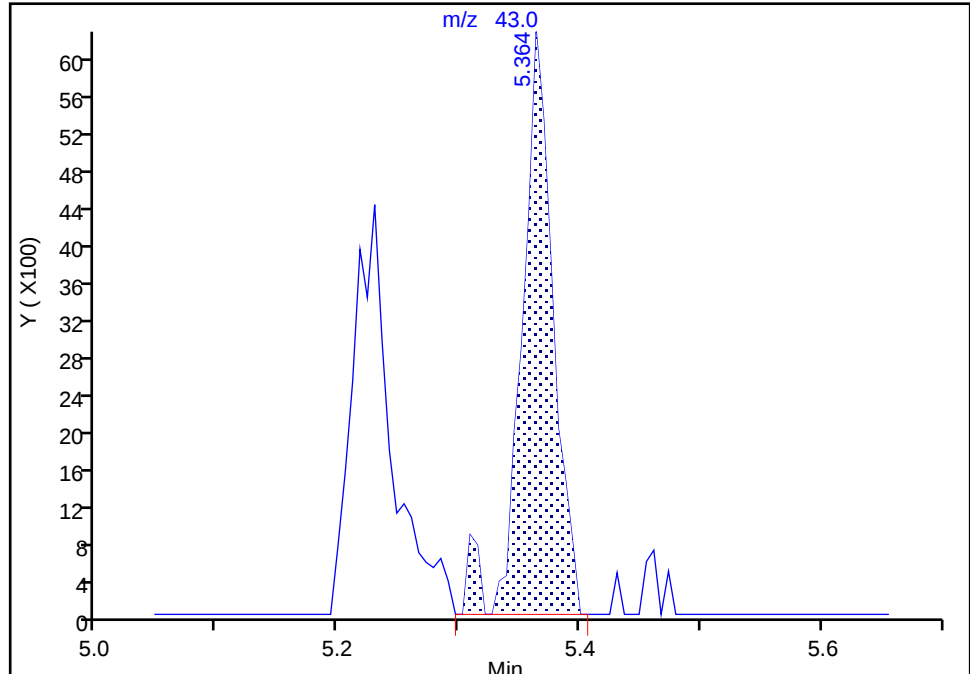
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

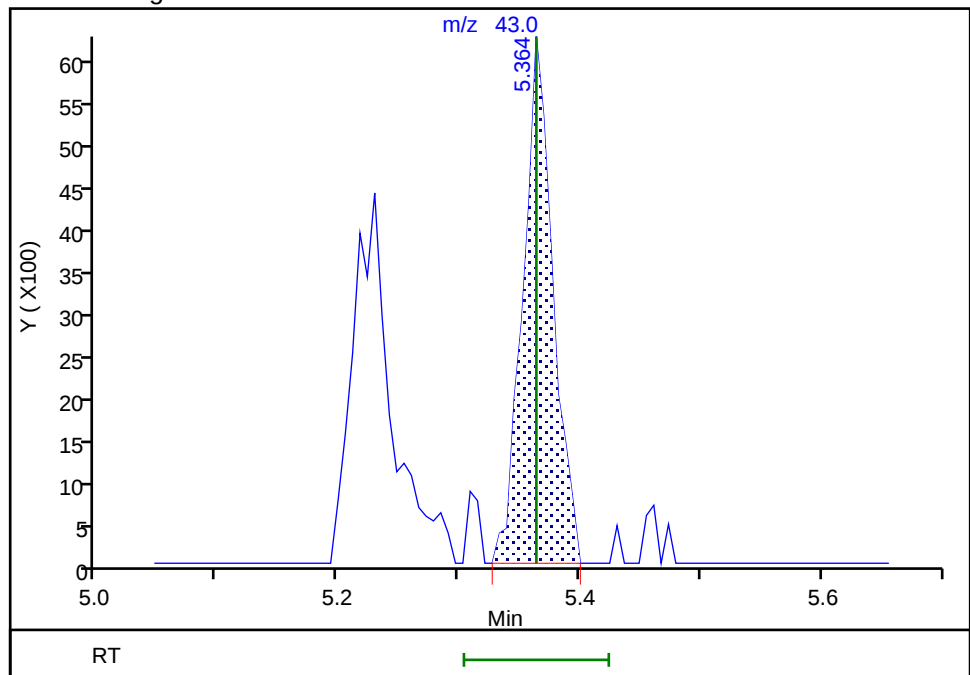
RT: 5.36
Area: 11224
Amount: 0.969571
Amount Units: ug/L

Processing Integration Results



RT: 5.36
Area: 10647
Amount: 0.922675
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:56:58
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

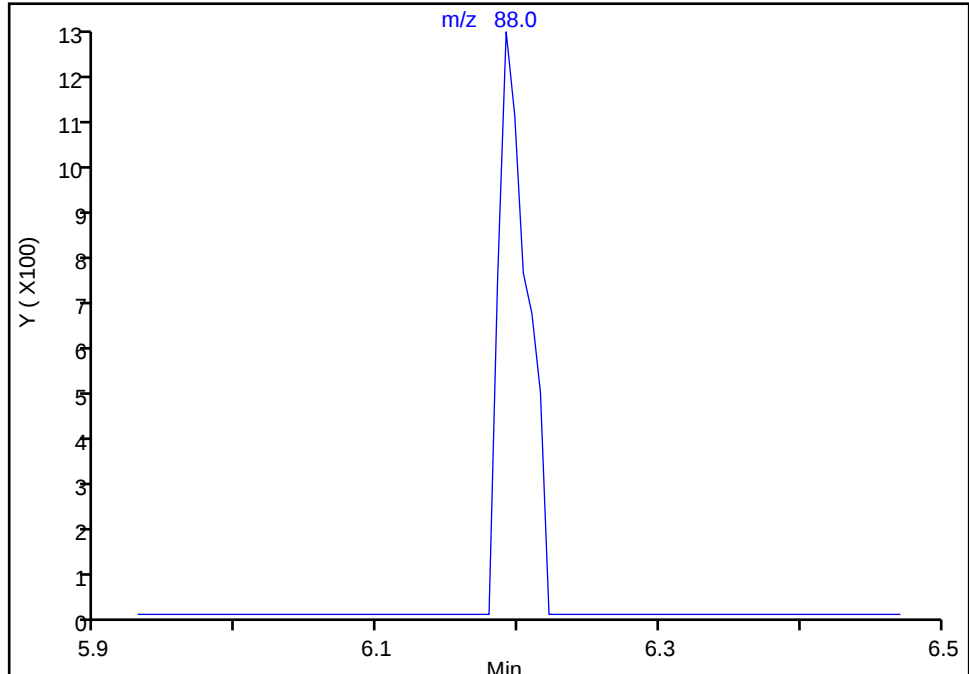
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

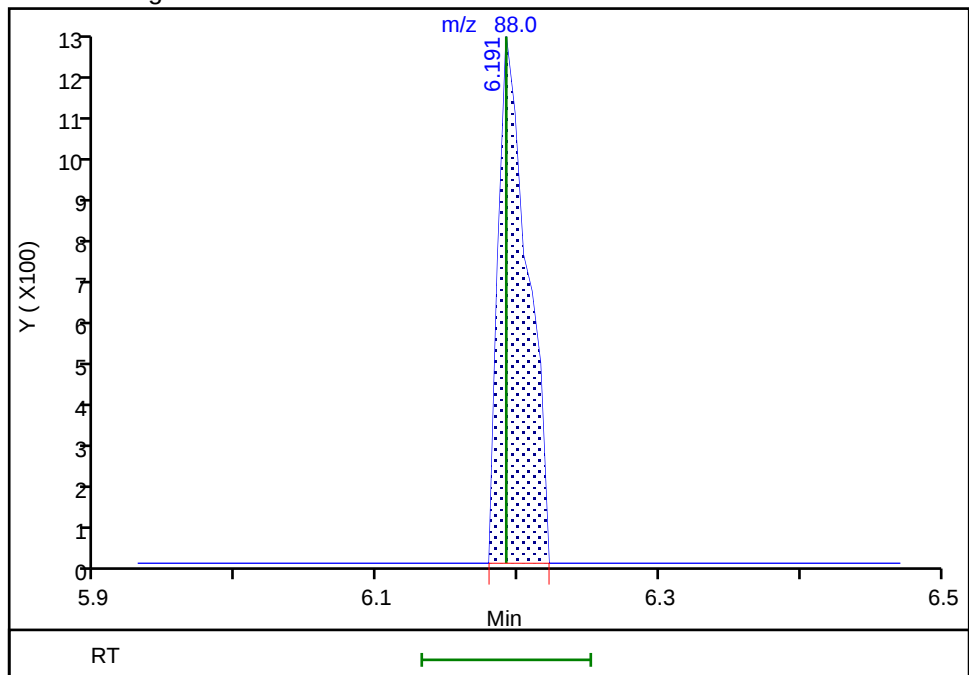
Not Detected
Expected RT: 6.19

Processing Integration Results



RT: 6.19
Area: 1776
Amount: 14.460130
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:57:04
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

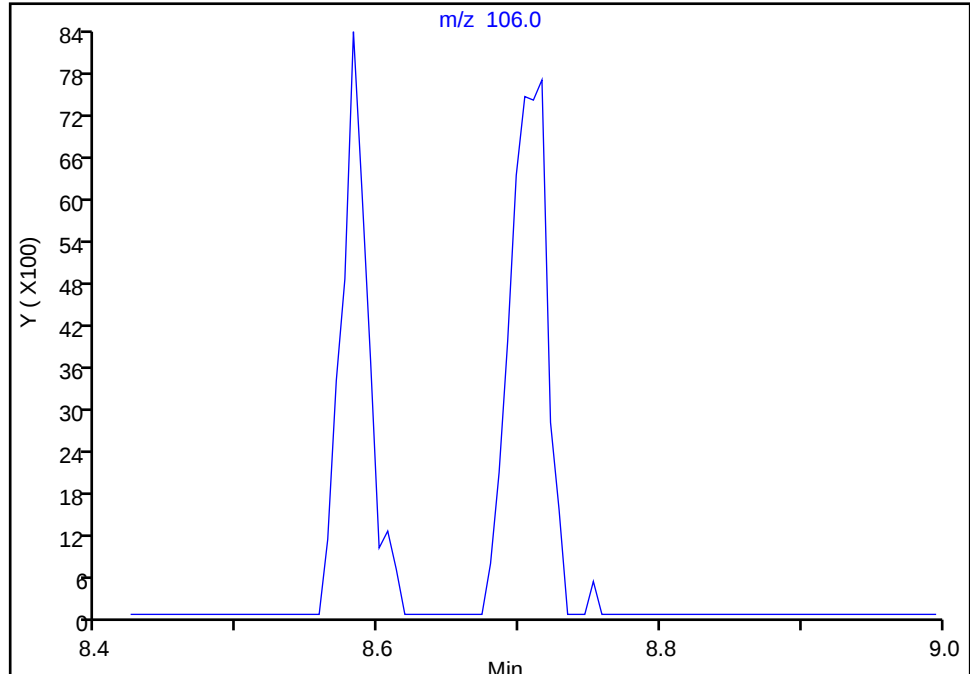
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

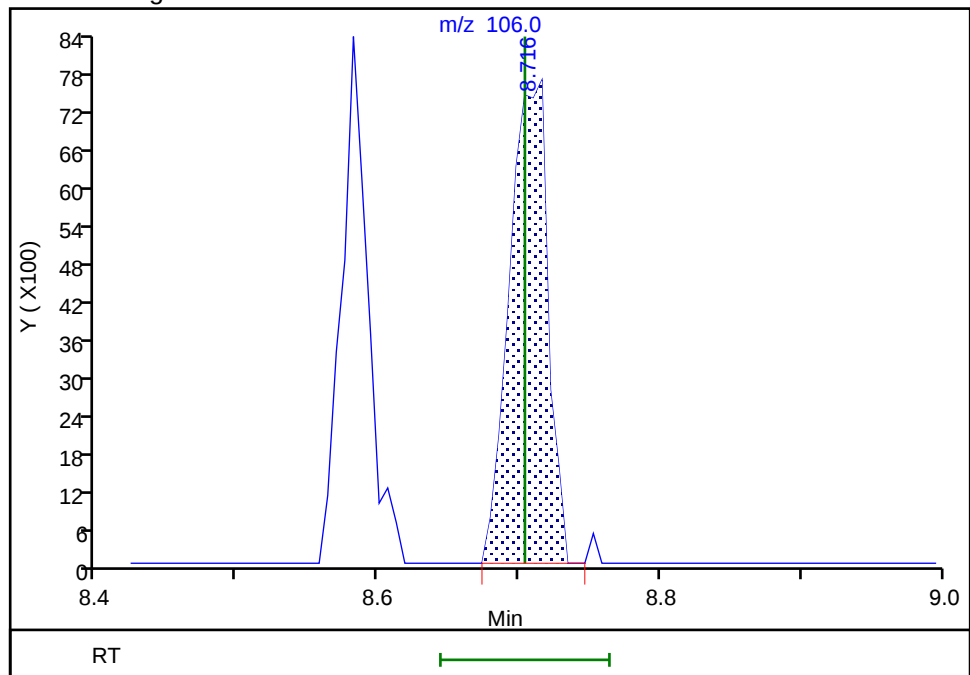
Not Detected
Expected RT: 8.70

Processing Integration Results



RT: 8.72
Area: 14567
Amount: 0.981897
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:57:26
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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05/17/2019

TestAmerica Buffalo

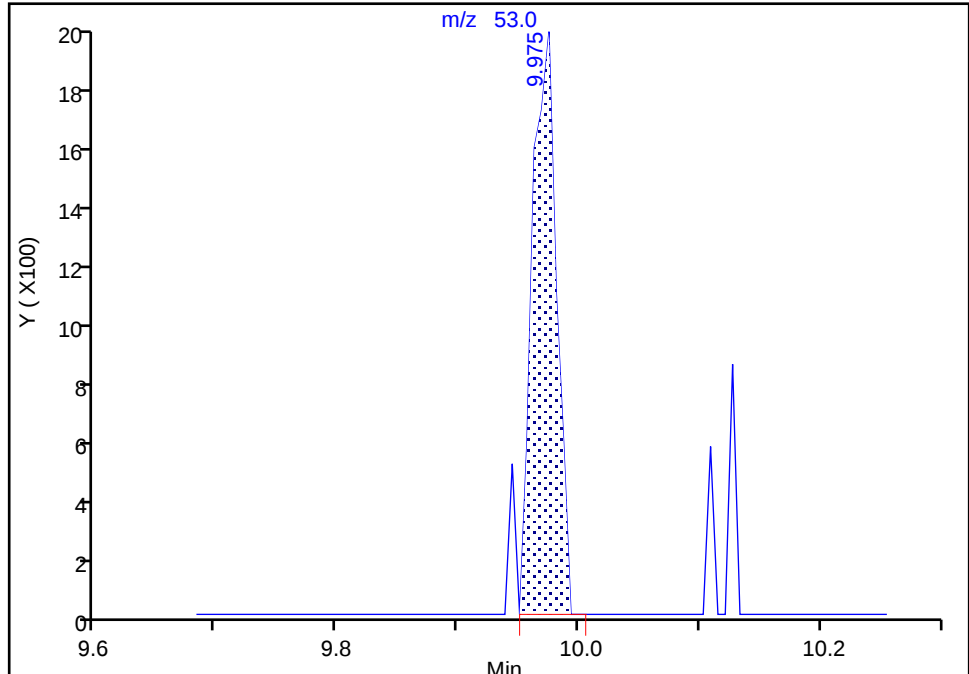
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Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

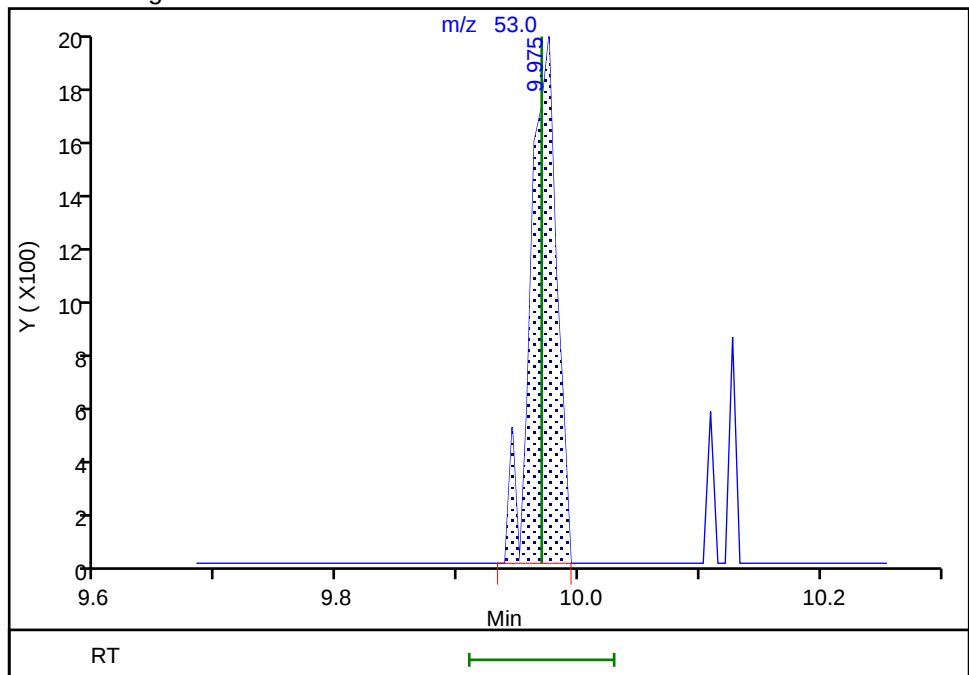
RT: 9.98
Area: 2766
Amount: 0.815424
Amount Units: ug/L

Processing Integration Results



RT: 9.98
Area: 2953
Amount: 0.864594
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:57:42

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2845.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 26-Mar-2019 15:30:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0079693-008
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 28-Mar-2019 12:18:28 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: HillL

Date: 26-Mar-2019 16:10:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	158794	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.460	8.466	-0.006	85	299674	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	95	296658	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	64	222223	25.0	25.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.187	0.006	92	135768	25.0	25.3	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	92	757885	25.0	25.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.714	0.006	91	226998	25.0	24.7	
10 Dichlorodifluoromethane	85	1.270	1.276	-0.006	89	21350	2.00	2.27	
12 Chloromethane	50	1.452	1.446	0.006	96	25231	2.00	2.20	M
151 Butadiene	54	1.543	1.543	0.000	90	24549	2.00	2.33	
13 Vinyl chloride	62	1.549	1.549	0.000	65	23732	2.00	2.21	
14 Bromomethane	94	1.841	1.841	0.000	86	17105	2.00	2.30	M
15 Chloroethane	64	1.927	1.927	0.000	81	16371	2.00	2.26	M
16 Dichlorofluoromethane	67	2.164	2.158	0.006	94	37035	2.00	2.37	
17 Trichlorofluoromethane	101	2.170	2.164	0.006	59	32865	2.00	2.37	
18 Ethyl ether	59	2.450	2.450	0.000	88	19815	2.00	2.18	
20 Acrolein	56	2.632	2.638	-0.006	92	28684	10.0	11.0	M
21 1,1,2-Trichloro-1,2,2-trif	101	2.669	2.657	0.012	58	19989	2.00	2.53	
22 1,1-Dichloroethene	96	2.675	2.669	0.006	83	18290	2.00	2.28	
23 Acetone	43	2.797	2.797	-0.001	88	45000	10.0	10.6	M
25 Iodomethane	142	2.839	2.839	0.000	98	33124	2.00	2.30	
26 Carbon disulfide	76	2.876	2.870	0.006	98	62691	2.00	2.35	
28 3-Chloro-1-propene	41	3.046	3.046	0.000	79	34654	2.00	2.27	
27 Methyl acetate	43	3.101	3.101	0.000	95	43248	4.00	4.18	M
30 Methylene Chloride	84	3.198	3.198	0.000	85	24786	2.00	2.08	
31 2-Methyl-2-propanol	59	3.381	3.375	0.006	90	32837	20.0	20.5	M
32 Methyl tert-butyl ether	73	3.411	3.405	0.006	93	63687	2.00	2.14	
34 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	89	22431	2.00	2.32	
33 Acrylonitrile	53	3.490	3.490	0.000	96	104799	20.0	20.3	
35 Hexane	57	3.618	3.618	0.000	87	30837	2.00	2.53	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.849	3.849	0.000	76	41149	2.00	2.40	
37 Vinyl acetate	43	3.904	3.904	0.000	96	83733	4.00	3.92	M
44 2,2-Dichloropropane	77	4.372	4.372	0.000	73	19554	2.00	2.28	
45 cis-1,2-Dichloroethene	96	4.409	4.409	0.000	76	25126	2.00	2.34	
43 2-Butanone (MEK)	43	4.451	4.445	0.006	96	59121	10.0	9.94	M
48 Chlorobromomethane	128	4.652	4.646	0.006	82	11079	2.00	2.05	
49 Tetrahydrofuran	42	4.670	4.664	0.006	79	16159	4.00	3.91	M
50 Chloroform	83	4.725	4.725	0.000	91	38046	2.00	2.22	
52 Cyclohexane	56	4.841	4.835	0.006	90	39747	2.00	2.47	
51 1,1,1-Trichloroethane	97	4.835	4.835	-0.001	78	30741	2.00	2.28	
55 Carbon tetrachloride	117	4.968	4.968	0.000	83	25577	2.00	2.23	
54 1,1-Dichloropropene	75	4.987	4.987	0.000	84	28649	2.00	2.28	
57 Benzene	78	5.187	5.194	-0.007	56	81925	2.00	2.24	
53 Isobutyl alcohol	43	5.224	5.218	0.006	83	26555	50.0	46.1	
58 1,2-Dichloroethane	62	5.266	5.267	-0.001	59	34005	2.00	2.30	
59 n-Heptane	43	5.370	5.364	0.006	81	29699	2.00	2.47	
62 Trichloroethene	95	5.802	5.802	0.000	83	21958	2.00	2.34	
64 Methylcyclohexane	83	5.917	5.917	0.000	88	39210	2.00	2.46	
65 1,2-Dichloropropane	63	6.051	6.051	0.000	80	18562	2.00	2.20	
67 Dibromomethane	93	6.191	6.185	0.006	82	12741	2.00	2.07	
66 1,4-Dioxane	88	6.191	6.191	0.000	26	5650	40.0	43.2	M
68 Dichlorobromomethane	83	6.343	6.343	0.000	77	23855	2.00	2.11	
69 2-Chloroethyl vinyl ether	63	6.623	6.623	0.000	80	11816	2.00	2.00	
72 cis-1,3-Dichloropropene	75	6.757	6.757	0.000	71	26887	2.00	2.01	
73 4-Methyl-2-pentanone (MIBK)	43	6.909	6.903	0.006	94	108920	10.0	9.76	
74 Toluene	92	7.043	7.043	0.000	88	46385	2.00	2.21	
77 trans-1,3-Dichloropropene	75	7.329	7.329	0.000	82	22192	2.00	1.95	
75 Ethyl methacrylate	69	7.371	7.371	0.000	59	19837	2.00	1.96	
79 1,1,2-Trichloroethane	83	7.523	7.517	0.006	87	13652	2.00	2.22	
81 Tetrachloroethene	166	7.566	7.572	-0.006	85	20991	2.00	2.32	
82 1,3-Dichloropropane	76	7.682	7.682	0.000	88	26131	2.00	2.04	
80 2-Hexanone	43	7.749	7.743	0.006	94	66903	10.0	9.54	
83 Chlorodibromomethane	129	7.919	7.919	0.000	68	15512	2.00	2.05	
84 Ethylene Dibromide	107	8.016	8.022	-0.006	77	16666	2.00	2.08	
87 Chlorobenzene	112	8.491	8.491	0.000	74	49754	2.00	2.13	
88 Ethylbenzene	91	8.582	8.582	0.000	96	83949	2.00	2.13	
89 1,1,1,2-Tetrachloroethane	131	8.588	8.594	-0.006	30	18096	2.00	2.15	
90 m-Xylene & p-Xylene	106	8.704	8.704	0.000	98	33778	2.00	2.14	
91 o-Xylene	106	9.130	9.136	-0.006	95	33305	2.00	2.08	
92 Styrene	104	9.160	9.166	-0.006	88	53476	2.00	2.15	
95 Bromoform	173	9.415	9.416	-0.001	75	9881	2.00	1.95	
94 Isopropylbenzene	105	9.513	9.513	0.000	93	89586	2.00	2.19	
101 Bromobenzene	156	9.860	9.866	-0.006	88	22359	2.00	2.20	
97 1,1,2,2-Tetrachloroethane	83	9.920	9.927	-0.007	81	23114	2.00	2.04	
99 N-Propylbenzene	91	9.945	9.939	0.006	97	106234	2.00	2.20	
100 1,2,3-Trichloropropane	110	9.963	9.957	0.006	49	8561	2.00	2.19	
98 trans-1,4-Dichloro-2-buten	53	9.969	9.969	0.000	71	7132	2.00	1.96	
103 2-Chlorotoluene	126	10.048	10.048	0.000	94	22874	2.00	2.27	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	80	77180	2.00	2.14	
105 4-Chlorotoluene	126	10.158	10.158	0.000	73	22489	2.00	2.23	
106 tert-Butylbenzene	134	10.431	10.438	-0.007	86	16401	2.00	2.18	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	39	75249	2.00	2.07	

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	10.644	10.644	0.000	91	98334	2.00	2.22	
110 4-Isopropyltoluene	119	10.784	10.784	0.000	94	84754	2.00	2.10	
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	69	44533	2.00	2.27	
113 1,4-Dichlorobenzene	146	10.869	10.870	-0.001	81	44704	2.00	2.22	
115 n-Butylbenzene	91	11.168	11.168	0.000	92	76000	2.00	2.15	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	94	46890	2.00	2.25	
117 1,2-Dibromo-3-Chloropropan	75	11.952	11.958	-0.006	41	5144	2.00	2.01	
119 1,2,4-Trichlorobenzene	180	12.621	12.622	-0.001	89	35347	2.00	2.22	
120 Hexachlorobutadiene	225	12.731	12.731	0.000	84	17577	2.00	2.33	
121 Naphthalene	128	12.840	12.841	-0.001	95	100141	2.00	2.07	
122 1,2,3-Trichlorobenzene	180	13.041	13.041	0.000	89	34438	2.00	2.15	
S 124 Xylenes, Total	1				0			4.22	
S 123 Total BTEX	1				0			10.8	
S 126 1,3-Dichloropropene, Total	1				0			3.97	
S 125 1,2-Dichloroethene, Total	1				0			4.66	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00151

Amount Added: 2.00

Units: uL

GAS CORP mix_00333

Amount Added: 2.00

Units: uL

S_8260_IS_00316

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00309

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2845.D

Injection Date: 26-Mar-2019 15:30:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC 2

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

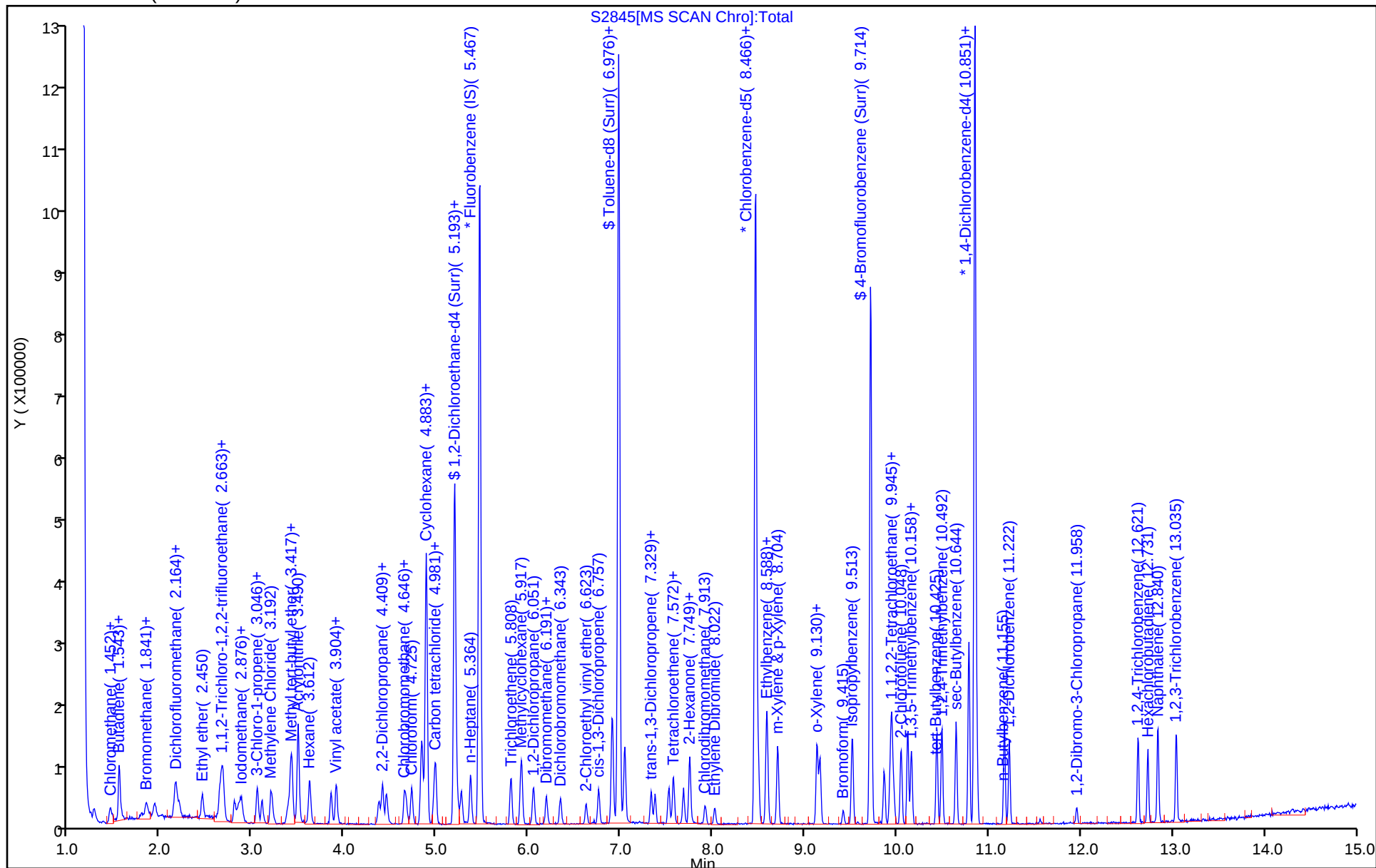
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



TestAmerica Buffalo

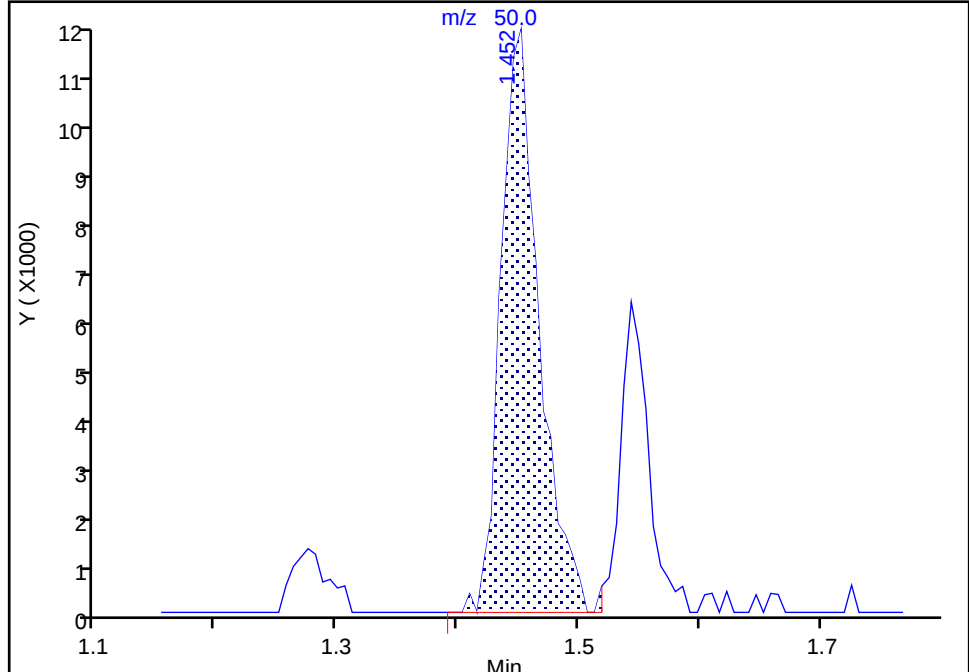
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Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

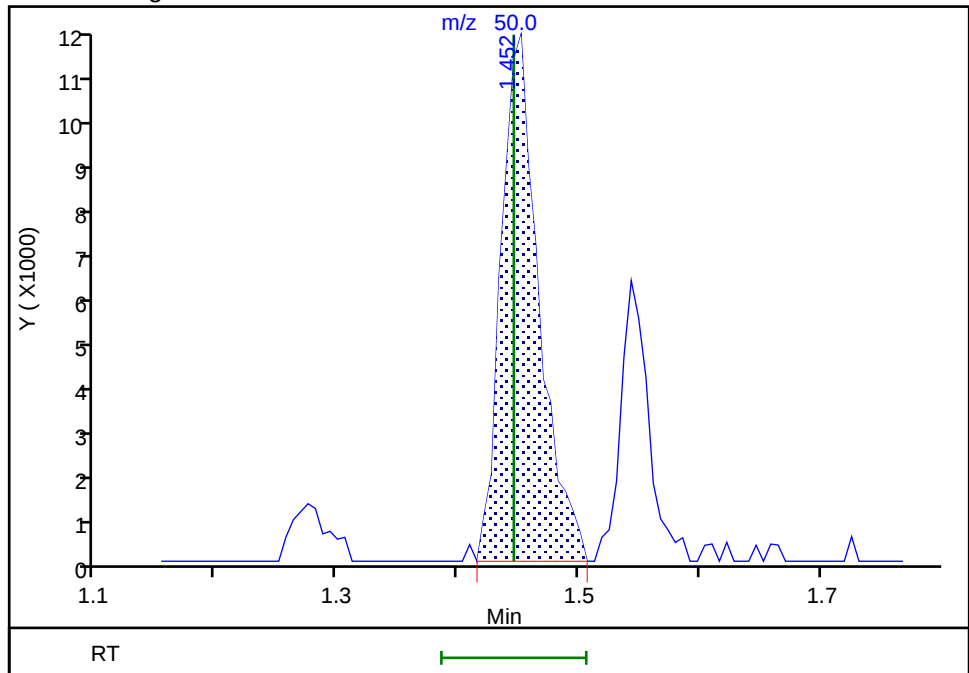
RT: 1.45
Area: 25558
Amount: 2.265800
Amount Units: ug/L

Processing Integration Results



RT: 1.45
Area: 25231
Amount: 2.195537
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:58:51
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

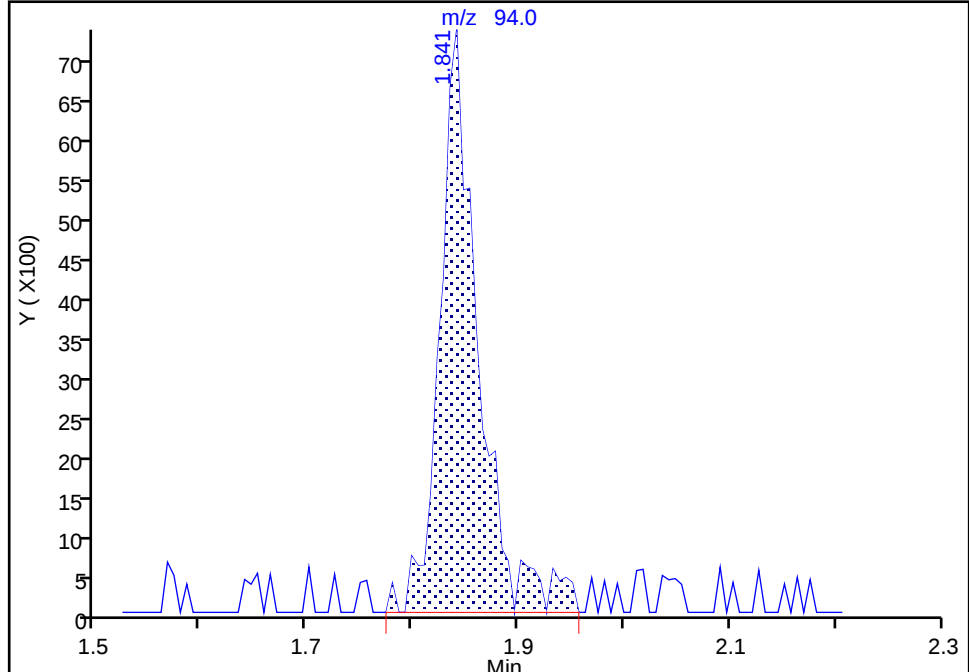
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Injection Date: 26-Mar-2019 15:30:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

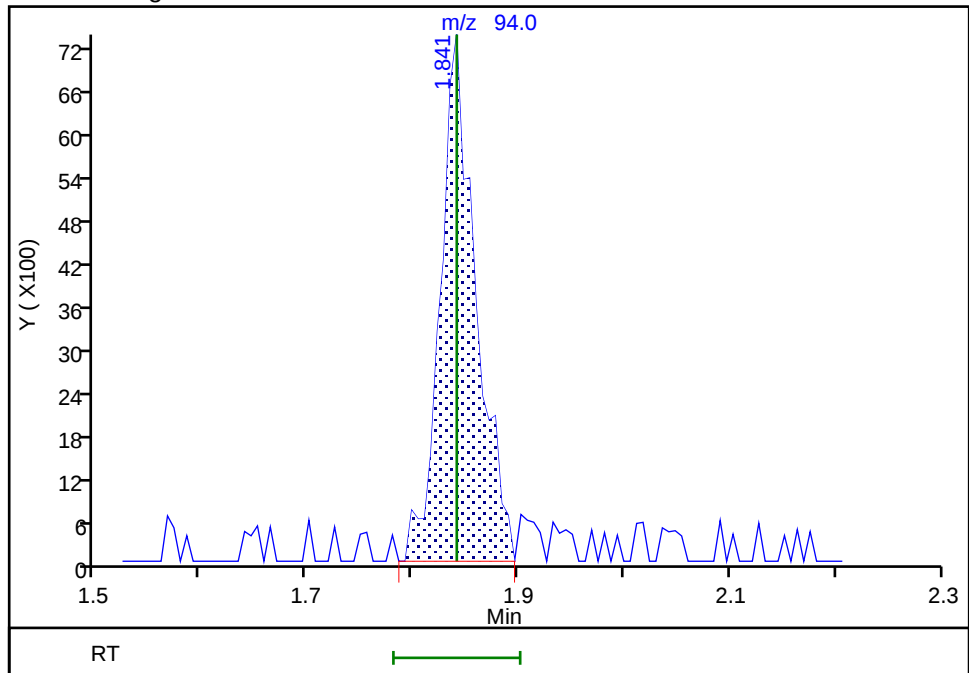
RT: 1.84
Area: 18671
Amount: 2.404511
Amount Units: ug/L

Processing Integration Results



RT: 1.84
Area: 17105
Amount: 2.300533
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:59:09

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

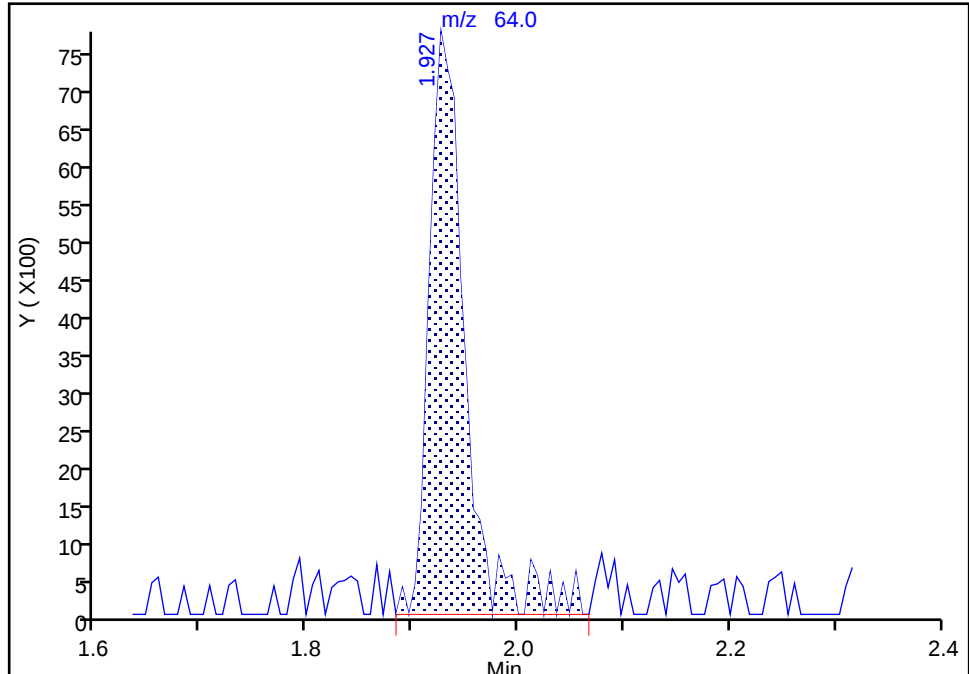
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Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

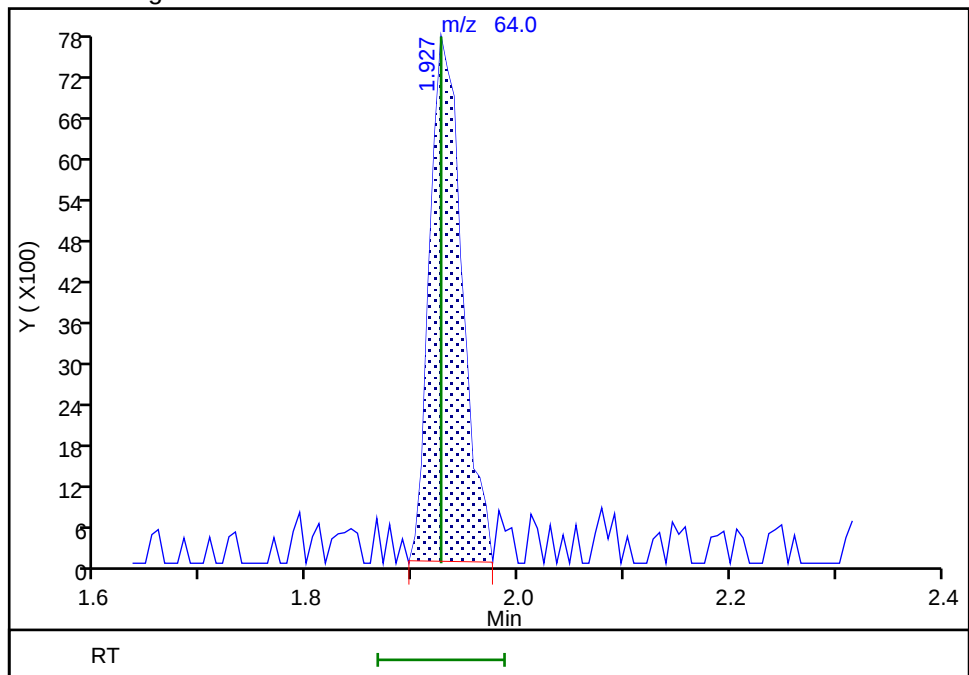
RT: 1.93
Area: 18291
Amount: 2.247704
Amount Units: ug/L

Processing Integration Results



RT: 1.93
Area: 16371
Amount: 2.263517
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 28-Mar-2019 11:37:03
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

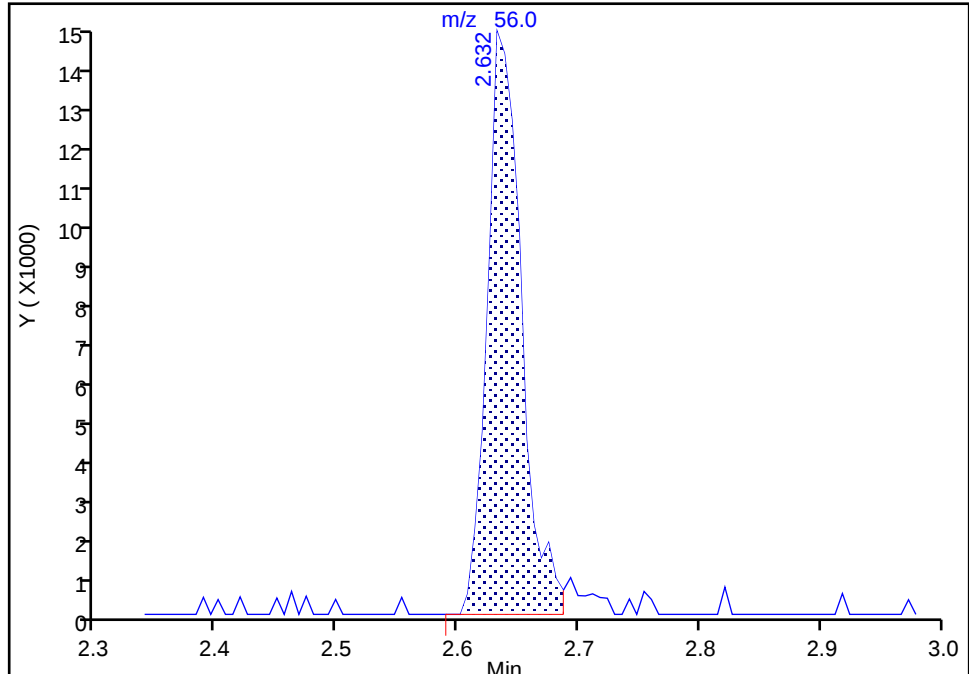
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Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

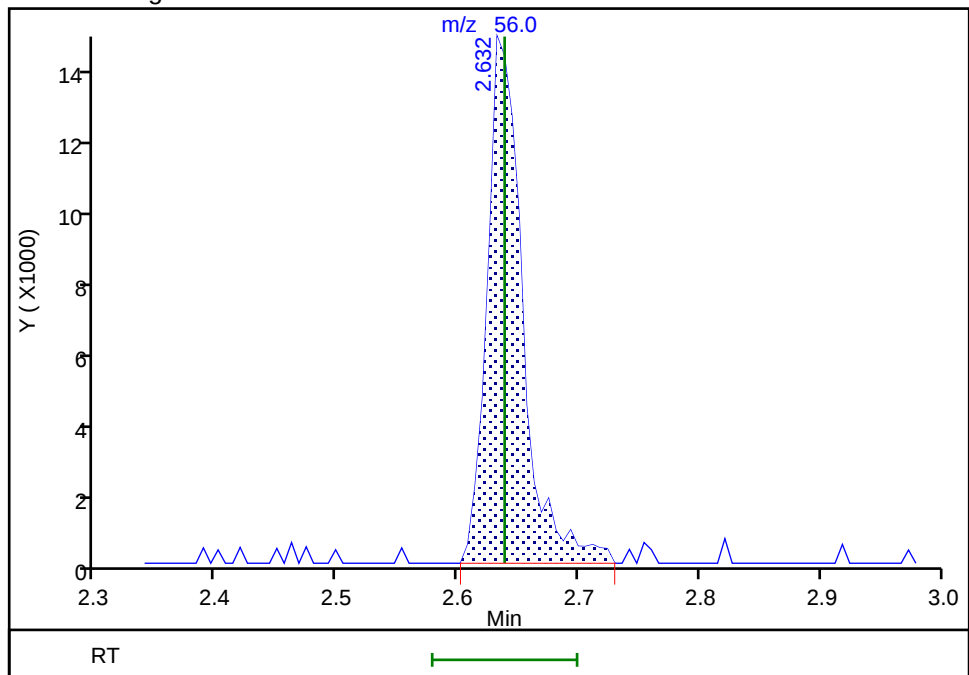
RT: 2.63
Area: 27558
Amount: 10.675810
Amount Units: ug/L

Processing Integration Results



RT: 2.63
Area: 28684
Amount: 10.993486
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:59:31
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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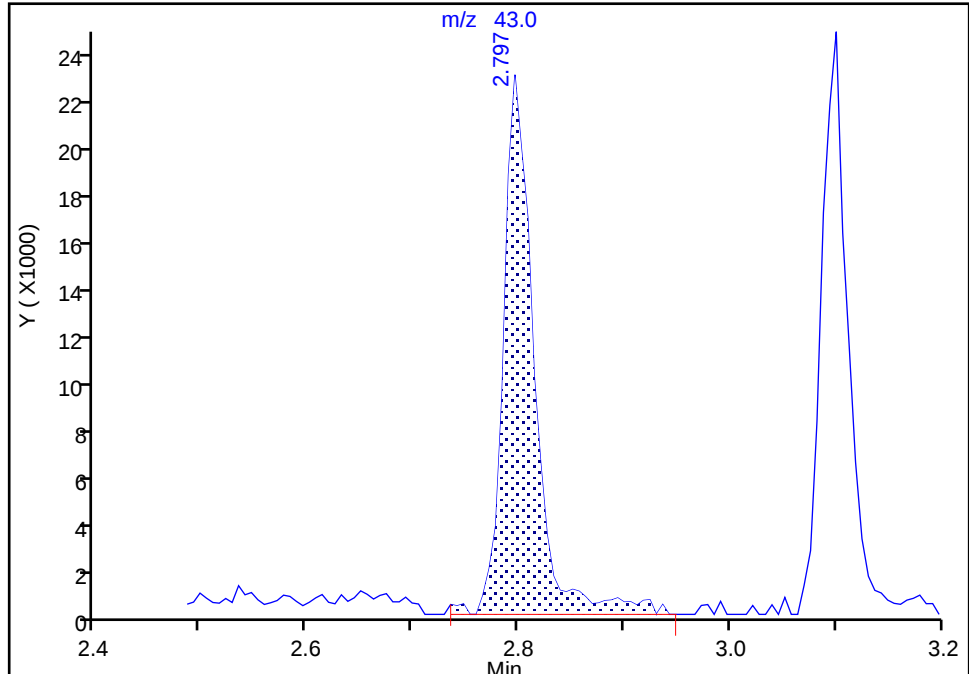
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Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

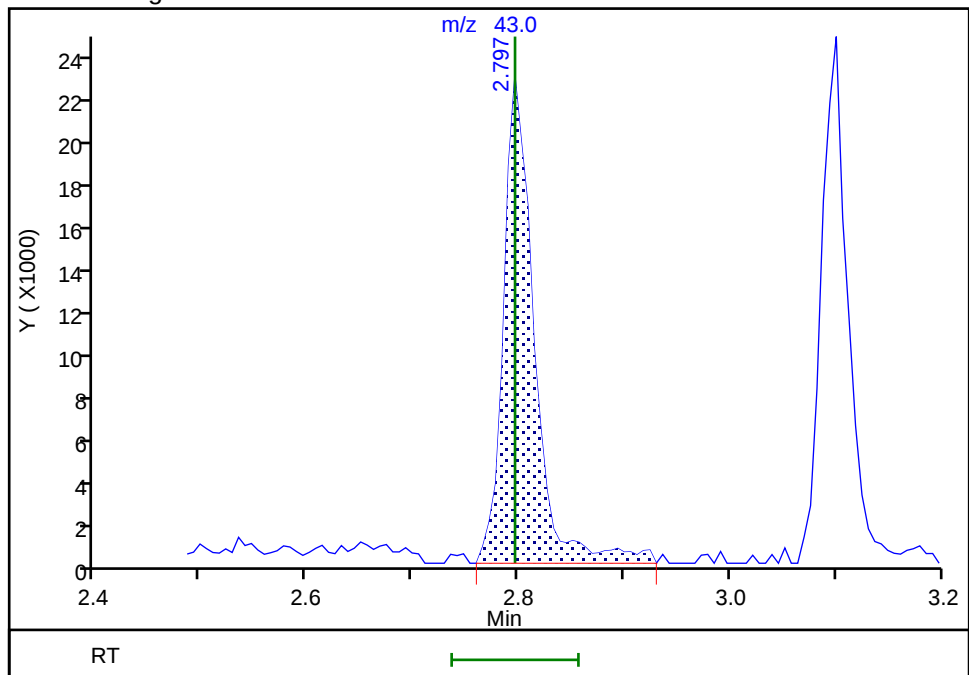
RT: 2.80
Area: 45585
Amount: 10.765204
Amount Units: ug/L

Processing Integration Results



RT: 2.80
Area: 45000
Amount: 10.618573
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 22:59:40
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

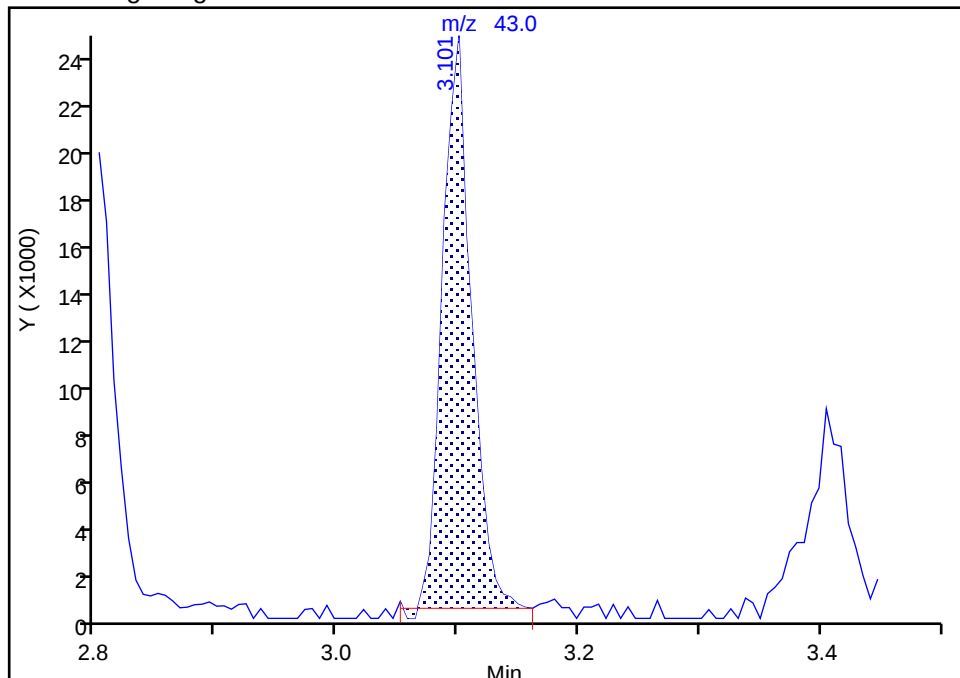
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Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

27 Methyl acetate, CAS: 79-20-9

Signal: 1

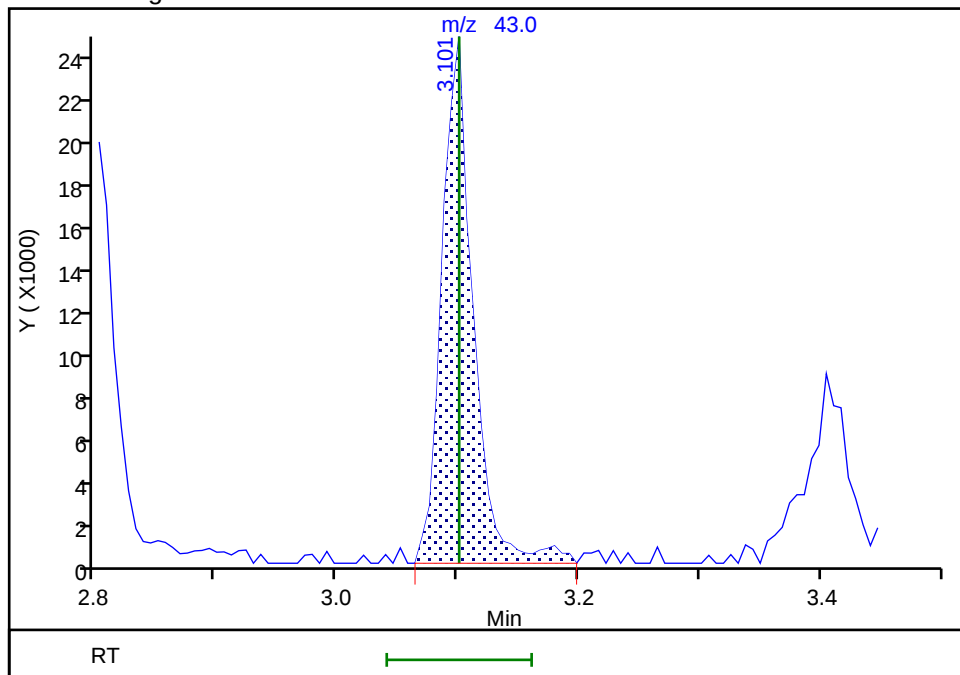
RT: 3.10
Area: 39522
Amount: 3.889235
Amount Units: ug/L

Processing Integration Results



RT: 3.10
Area: 43248
Amount: 4.181259
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:00:00

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

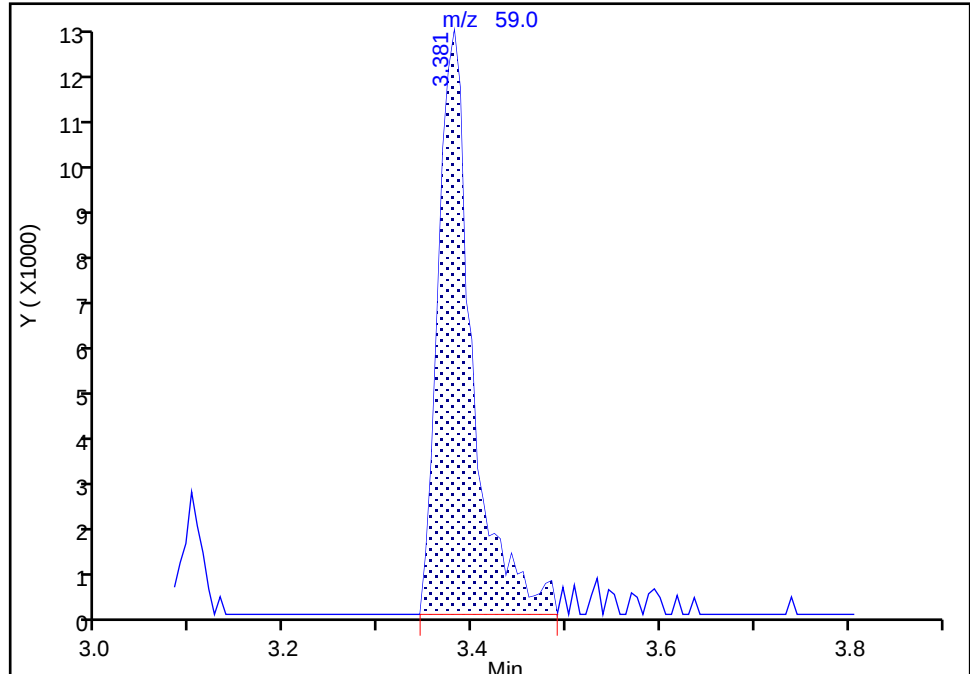
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Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

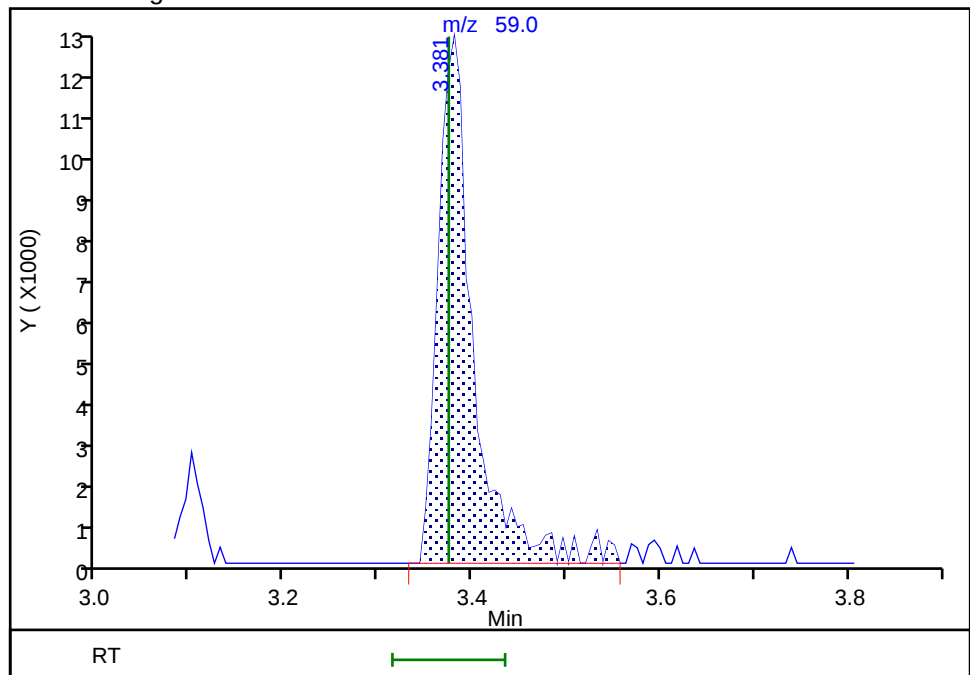
RT: 3.38
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Amount: 19.984817
Amount Units: ug/L

Processing Integration Results



RT: 3.38
Area: 32837
Amount: 20.500271
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:00:14
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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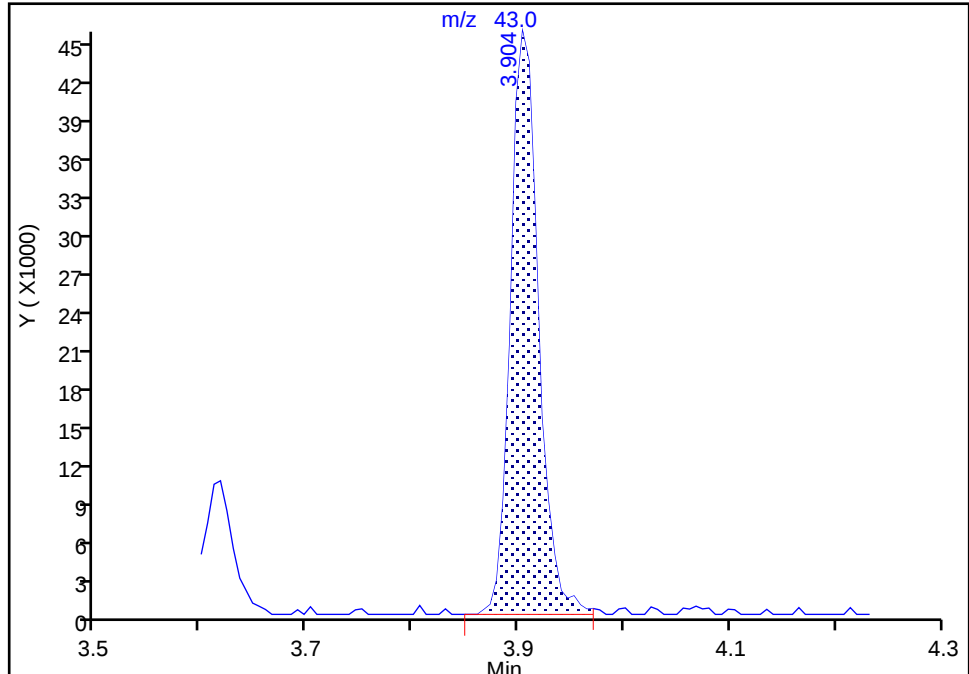
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Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

37 Vinyl acetate, CAS: 108-05-4

Signal: 1

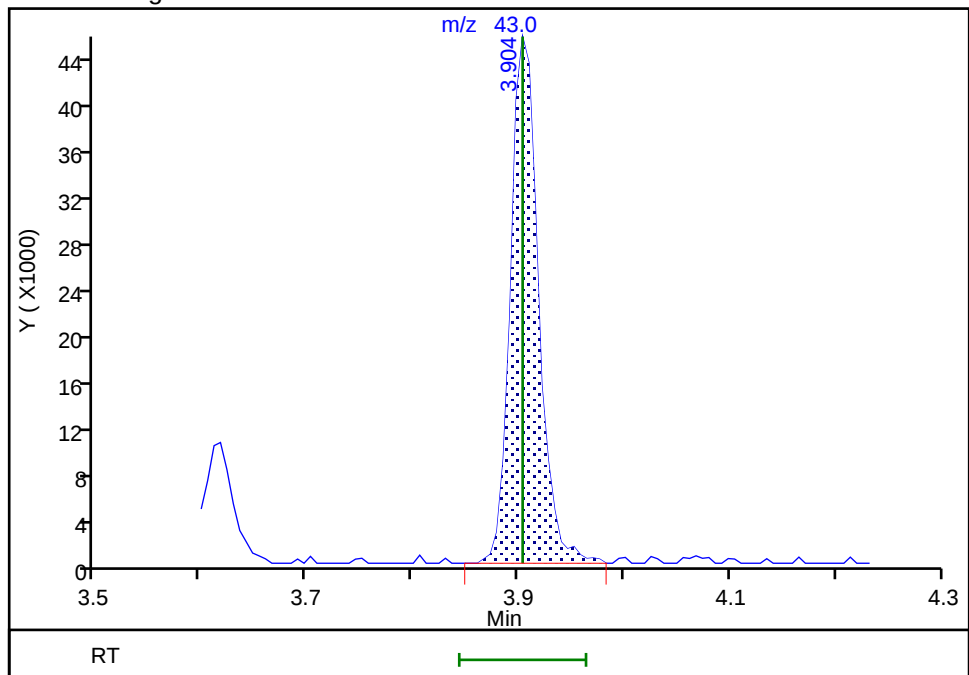
RT: 3.90
Area: 83604
Amount: 3.998224
Amount Units: ug/L

Processing Integration Results



RT: 3.90
Area: 83733
Amount: 3.919745
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:00:36

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

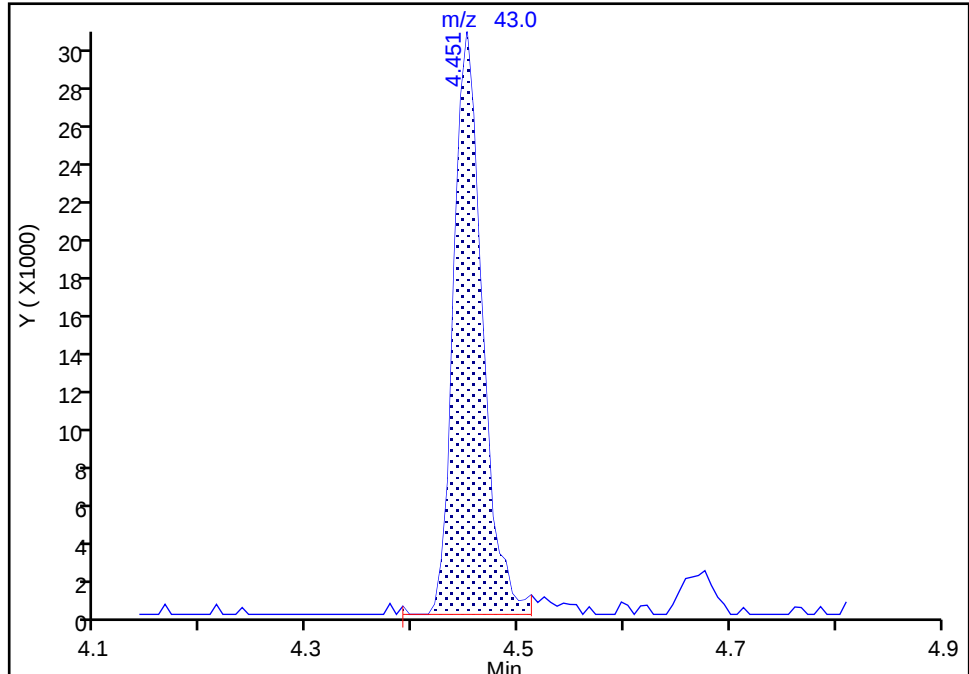
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Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

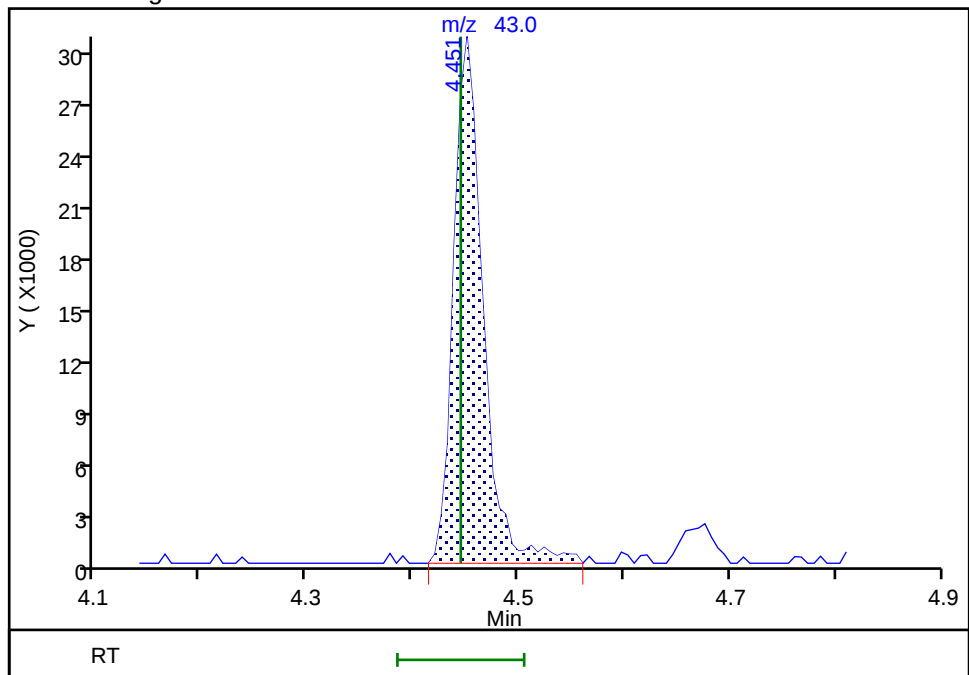
RT: 4.45
Area: 57733
Amount: 9.759340
Amount Units: ug/L

Processing Integration Results



RT: 4.45
Area: 59121
Amount: 9.939800
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:00:45
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

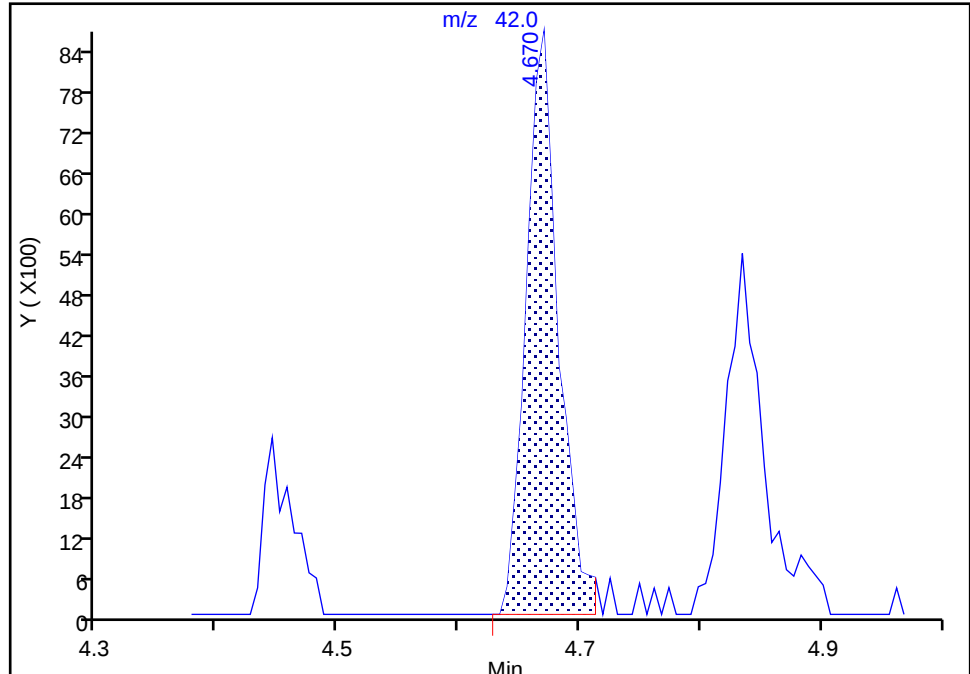
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Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

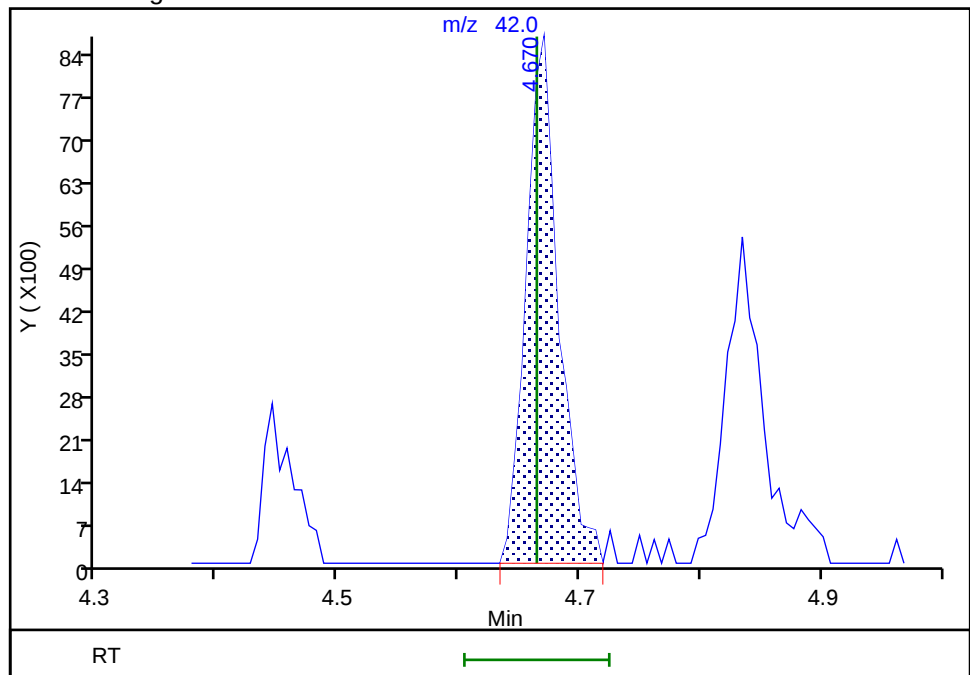
RT: 4.67
Area: 16159
Amount: 3.919335
Amount Units: ug/L

Processing Integration Results



RT: 4.67
Area: 16159
Amount: 3.910224
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:00:56

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

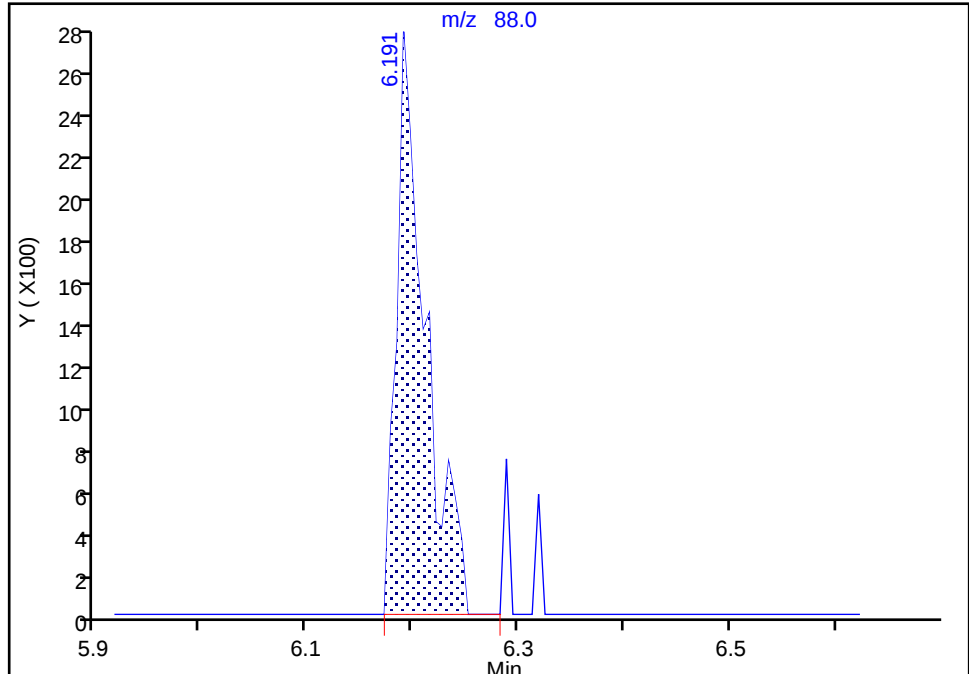
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Injection Date: 26-Mar-2019 15:30:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

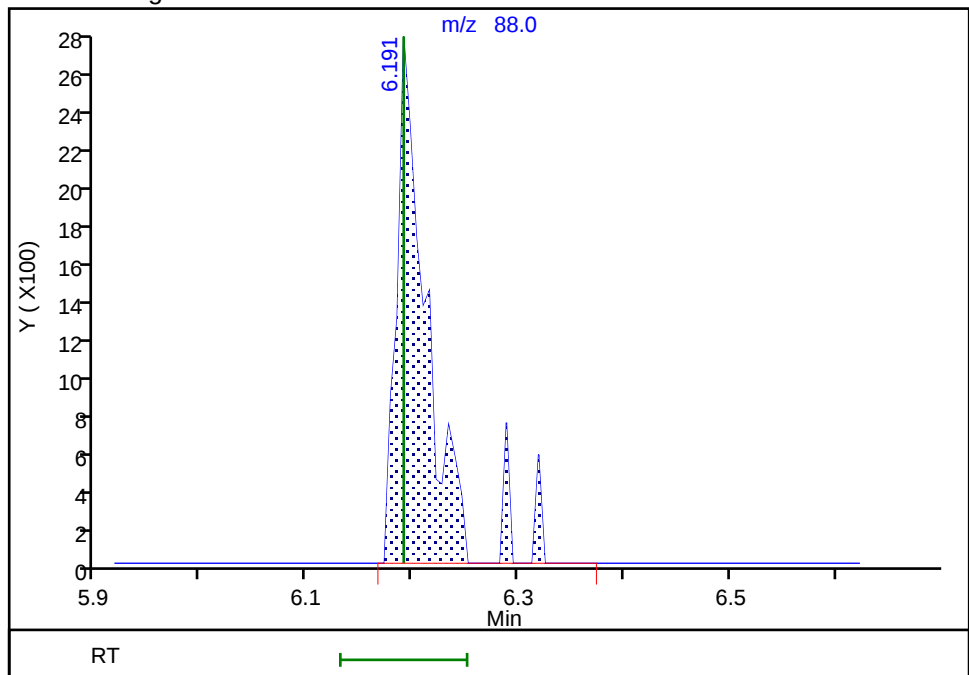
RT: 6.19
Area: 5174
Amount: 42.254855
Amount Units: ug/L

Processing Integration Results



RT: 6.19
Area: 5650
Amount: 43.219017
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:01:18
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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05/17/2019

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2846.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 26-Mar-2019 15:53:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0079693-009
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 28-Mar-2019 12:18:41 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: HillL

Date: 26-Mar-2019 16:11:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	168364	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.460	8.466	-0.006	86	317288	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	92	316194	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	56	221789	25.0	24.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.187	0.006	91	139501	25.0	24.5	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	91	821999	25.0	25.9	
\$ 6 4-Bromofluorobenzene (Surr	174	9.714	9.714	0.000	88	245796	25.0	25.3	
10 Dichlorodifluoromethane	85	1.276	1.276	0.000	83	51940	5.00	5.21	
12 Chloromethane	50	1.452	1.446	0.006	98	59218	5.00	4.86	
151 Butadiene	54	1.549	1.543	0.006	88	57295	5.00	5.13	
13 Vinyl chloride	62	1.549	1.549	0.000	59	57997	5.00	5.09	
14 Bromomethane	94	1.847	1.841	0.006	88	38570	5.00	4.89	
15 Chloroethane	64	1.933	1.927	0.006	97	38804	5.00	5.06	
16 Dichlorofluoromethane	67	2.164	2.158	0.006	78	82790	5.00	4.99	
17 Trichlorofluoromethane	101	2.164	2.164	0.000	61	76505	5.00	5.20	M
18 Ethyl ether	59	2.450	2.450	0.000	90	46239	5.00	4.80	
20 Acrolein	56	2.638	2.638	0.000	96	65667	25.0	23.7	M
21 1,1,2-Trichloro-1,2,2-trif	101	2.663	2.657	0.006	75	38862	5.00	4.64	
22 1,1-Dichloroethene	96	2.675	2.669	0.006	83	40249	5.00	4.74	M
23 Acetone	43	2.803	2.797	0.006	98	114849	25.0	25.6	M
25 Iodomethane	142	2.845	2.839	0.006	96	69260	5.00	4.54	
26 Carbon disulfide	76	2.882	2.870	0.012	98	129394	5.00	4.57	M
28 3-Chloro-1-propene	41	3.046	3.046	0.000	85	71174	5.00	4.39	
27 Methyl acetate	43	3.101	3.101	0.000	95	109807	10.0	10.0	M
30 Methylene Chloride	84	3.198	3.198	0.000	92	50562	5.00	4.53	
31 2-Methyl-2-propanol	59	3.381	3.375	0.006	95	90431	50.0	53.2	M
32 Methyl tert-butyl ether	73	3.411	3.405	0.006	93	150274	5.00	4.77	
34 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	89	46700	5.00	4.55	
33 Acrylonitrile	53	3.490	3.490	0.000	99	280036	50.0	51.2	
35 Hexane	57	3.618	3.618	0.000	93	58028	5.00	4.50	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.849	3.849	0.000	84	84998	5.00	4.68	
37 Vinyl acetate	43	3.904	3.904	0.000	98	208932	10.0	9.22	
44 2,2-Dichloropropane	77	4.366	4.372	-0.006	82	43670	5.00	4.80	
45 cis-1,2-Dichloroethene	96	4.409	4.409	0.000	65	52061	5.00	4.57	
43 2-Butanone (MEK)	43	4.451	4.445	0.006	100	162159	25.0	25.7	M
48 Chlorobromomethane	128	4.646	4.646	0.000	88	27420	5.00	4.79	
49 Tetrahydrofuran	42	4.664	4.664	0.000	81	45528	10.0	10.4	
50 Chloroform	83	4.725	4.725	0.000	80	82045	5.00	4.51	
52 Cyclohexane	56	4.835	4.835	0.000	90	74816	5.00	4.38	
51 1,1,1-Trichloroethane	97	4.835	4.835	0.000	87	64009	5.00	4.47	M
55 Carbon tetrachloride	117	4.974	4.968	0.006	79	52072	5.00	4.28	
54 1,1-Dichloropropene	75	4.987	4.987	0.000	90	61407	5.00	4.61	
57 Benzene	78	5.193	5.194	-0.001	72	186101	5.00	4.79	
53 Isobutyl alcohol	43	5.224	5.218	0.006	91	78645	125.0	128.8	
58 1,2-Dichloroethane	62	5.266	5.267	-0.001	69	71383	5.00	4.54	
59 n-Heptane	43	5.364	5.364	0.000	91	62337	5.00	4.89	
62 Trichloroethene	95	5.802	5.802	0.000	88	44552	5.00	4.48	
64 Methylcyclohexane	83	5.917	5.917	0.000	91	72791	5.00	4.31	
65 1,2-Dichloropropane	63	6.051	6.051	0.000	88	43139	5.00	4.83	
67 Dibromomethane	93	6.185	6.185	0.000	86	30465	5.00	4.68	
66 1,4-Dioxane	88	6.203	6.191	0.012	42	14729	100.0	106.4	M
68 Dichlorobromomethane	83	6.343	6.343	0.000	95	53488	5.00	4.47	
69 2-Chloroethyl vinyl ether	63	6.623	6.623	0.000	92	29188	5.00	4.66	
72 cis-1,3-Dichloropropene	75	6.757	6.757	0.000	82	68672	5.00	4.85	
73 4-Methyl-2-pentanone (MIBK)	43	6.903	6.903	0.000	97	304263	25.0	25.8	
74 Toluene	92	7.043	7.043	0.000	78	107763	5.00	4.85	
77 trans-1,3-Dichloropropene	75	7.335	7.329	0.006	94	60836	5.00	5.06	
75 Ethyl methacrylate	69	7.371	7.371	0.000	70	51868	5.00	4.84	
79 1,1,2-Trichloroethane	83	7.523	7.517	0.006	87	32388	5.00	4.96	M
81 Tetrachloroethene	166	7.572	7.572	0.000	76	45656	5.00	4.77	M
82 1,3-Dichloropropane	76	7.682	7.682	0.000	93	67804	5.00	5.01	
80 2-Hexanone	43	7.749	7.743	0.006	79	190469	25.0	25.7	
83 Chlorodibromomethane	129	7.919	7.919	0.000	82	37285	5.00	4.64	
84 Ethylene Dibromide	107	8.022	8.022	0.000	89	43543	5.00	5.14	
87 Chlorobenzene	112	8.491	8.491	0.000	91	119387	5.00	4.83	
88 Ethylbenzene	91	8.582	8.582	0.000	98	197616	5.00	4.74	
89 1,1,1,2-Tetrachloroethane	131	8.594	8.594	0.000	46	42474	5.00	4.76	
90 m-Xylene & p-Xylene	106	8.704	8.704	0.000	99	78770	5.00	4.71	
91 o-Xylene	106	9.136	9.136	0.000	97	79396	5.00	4.69	
92 Styrene	104	9.166	9.166	0.000	92	126508	5.00	4.81	
95 Bromoform	173	9.422	9.416	0.006	87	24721	5.00	4.60	
94 Isopropylbenzene	105	9.513	9.513	0.000	94	207540	5.00	4.76	
101 Bromobenzene	156	9.866	9.866	0.000	94	50227	5.00	4.64	
97 1,1,2,2-Tetrachloroethane	83	9.926	9.927	-0.001	68	60835	5.00	5.03	
99 N-Propylbenzene	91	9.939	9.939	0.000	97	238351	5.00	4.63	
100 1,2,3-Trichloropropane	110	9.957	9.957	0.000	77	22147	5.00	5.31	
98 trans-1,4-Dichloro-2-buten	53	9.975	9.969	0.006	75	19372	5.00	5.01	
103 2-Chlorotoluene	126	10.042	10.048	-0.006	93	50327	5.00	4.69	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	91	180304	5.00	4.68	
105 4-Chlorotoluene	126	10.164	10.158	0.006	77	50264	5.00	4.67	
106 tert-Butylbenzene	134	10.437	10.438	-0.001	91	38657	5.00	4.82	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	32	181629	5.00	4.68	

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	10.644	10.644	0.000	94	229436	5.00	4.85	
110 4-Isopropyltoluene	119	10.784	10.784	0.000	96	200966	5.00	4.67	
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	72	101234	5.00	4.84	
113 1,4-Dichlorobenzene	146	10.869	10.870	-0.001	89	105622	5.00	4.92	
115 n-Butylbenzene	91	11.168	11.168	0.000	93	174540	5.00	4.63	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	91	110671	5.00	4.99	
117 1,2-Dibromo-3-Chloropropan	75	11.958	11.958	0.000	57	12824	5.00	4.71	
119 1,2,4-Trichlorobenzene	180	12.621	12.622	-0.001	93	84181	5.00	4.95	
120 Hexachlorobutadiene	225	12.731	12.731	0.000	94	39625	5.00	4.92	
121 Naphthalene	128	12.841	12.841	-0.001	97	250801	5.00	4.86	
122 1,2,3-Trichlorobenzene	180	13.041	13.041	0.000	95	86834	5.00	5.09	
S 124 Xylenes, Total	1				0			9.40	
S 123 Total BTEX	1				0			23.8	
S 126 1,3-Dichloropropene, Total	1				0			9.91	
S 125 1,2-Dichloroethene, Total	1				0			9.12	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00151	Amount Added: 5.00	Units: uL	
GAS CORP mix_00333	Amount Added: 5.00	Units: uL	
S_8260_IS_00316	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00309	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2846.D

Injection Date: 26-Mar-2019 15:53:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC 3

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

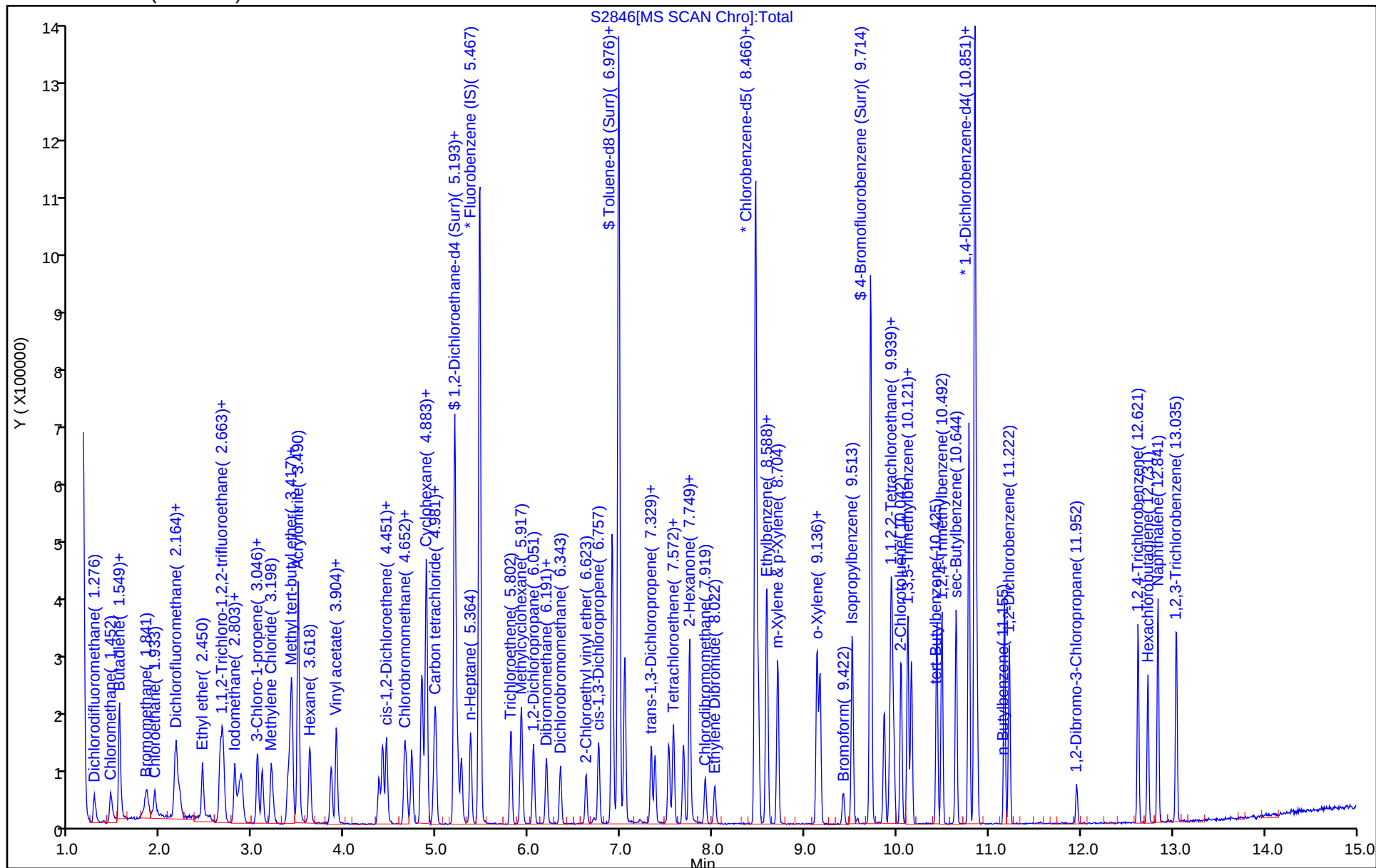
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



TestAmerica Buffalo

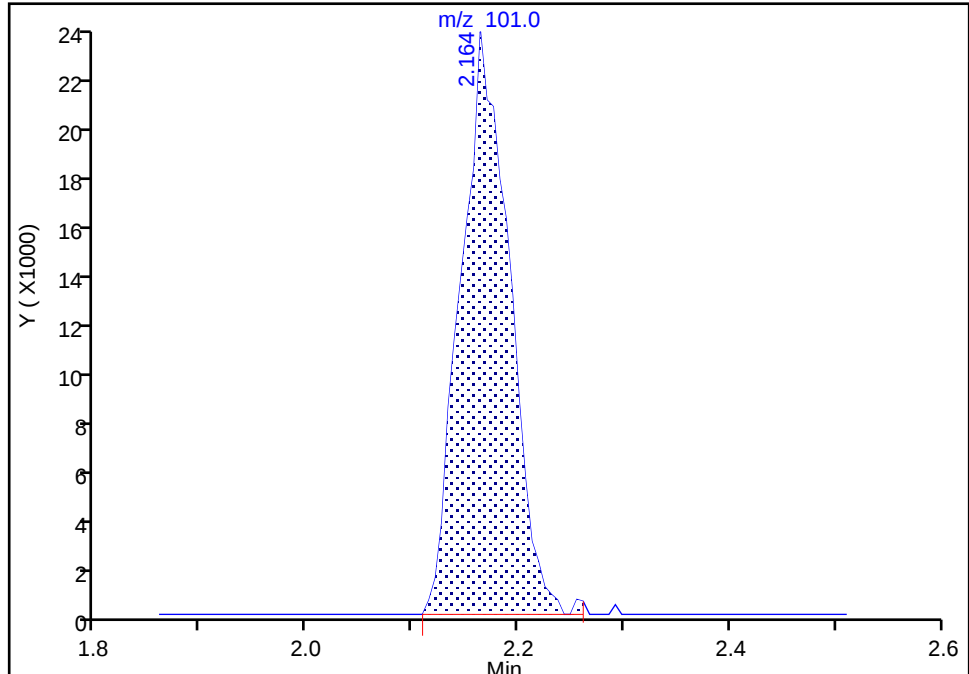
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Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

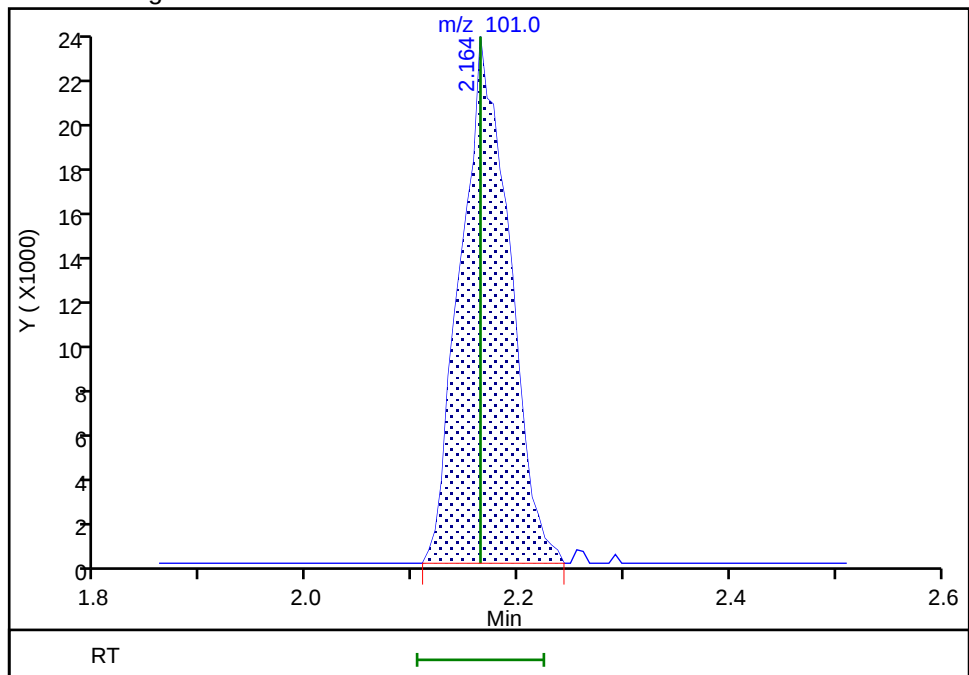
RT: 2.16
Area: 76924
Amount: 5.224153
Amount Units: ug/L

Processing Integration Results



RT: 2.16
Area: 76505
Amount: 5.200993
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:03:05
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

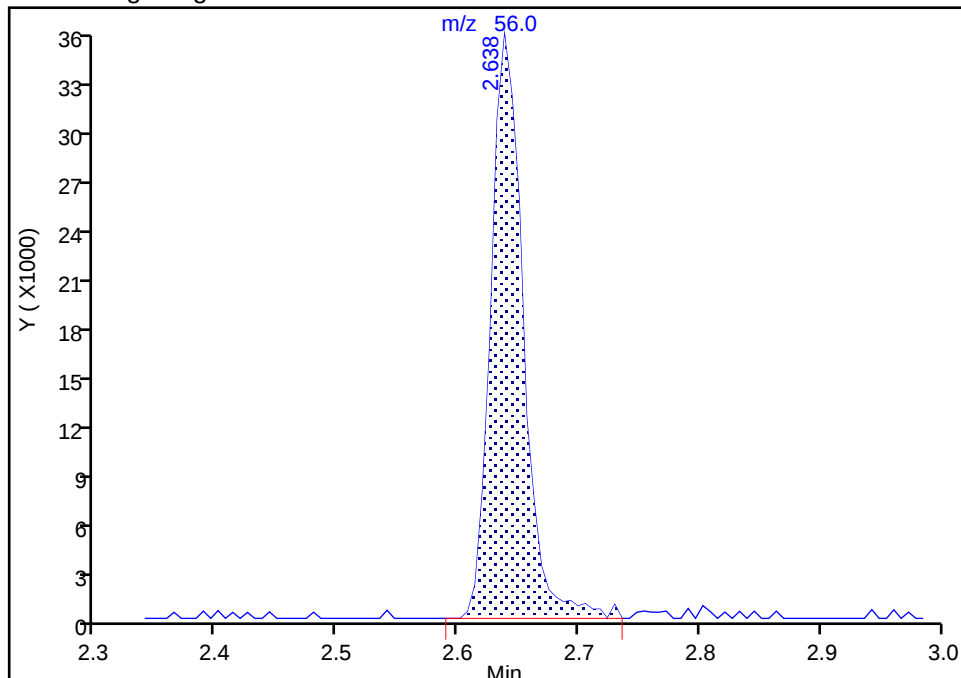
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Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

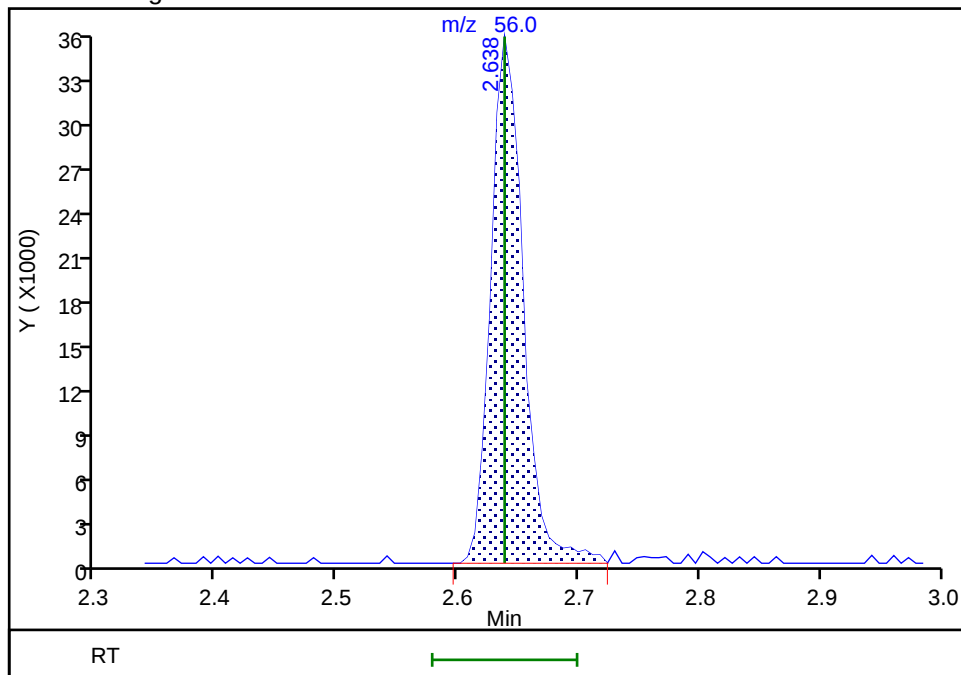
RT: 2.64
Area: 65971
Amount: 23.973390
Amount Units: ug/L

Processing Integration Results



RT: 2.64
Area: 65667
Amount: 23.737105
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:03:13

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

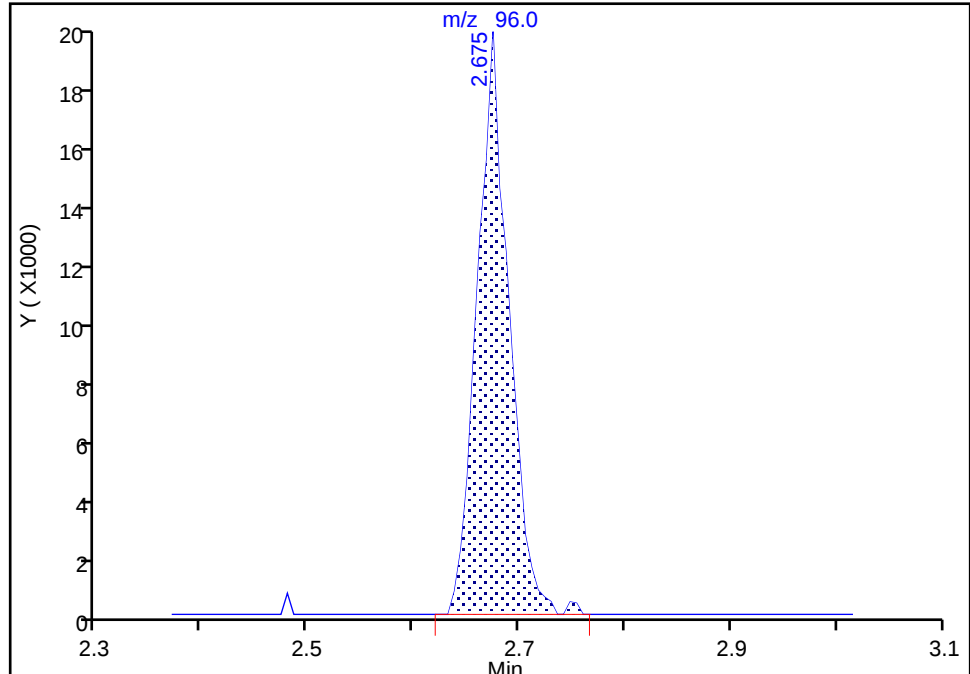
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Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

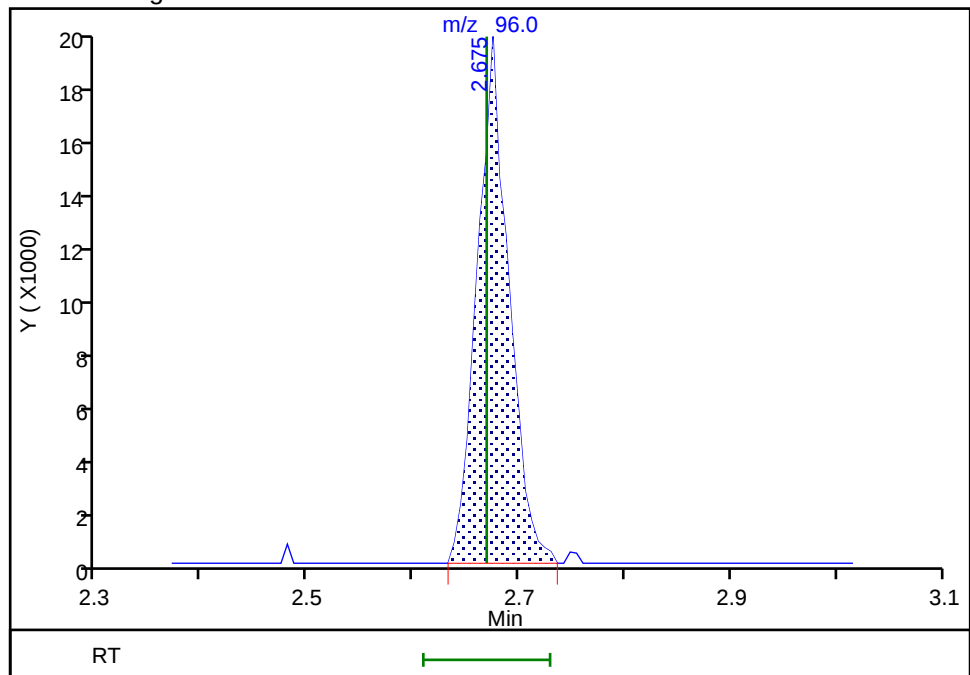
RT: 2.67
Area: 40537
Amount: 4.890495
Amount Units: ug/L

Processing Integration Results



RT: 2.67
Area: 40249
Amount: 4.740996
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:03:22

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

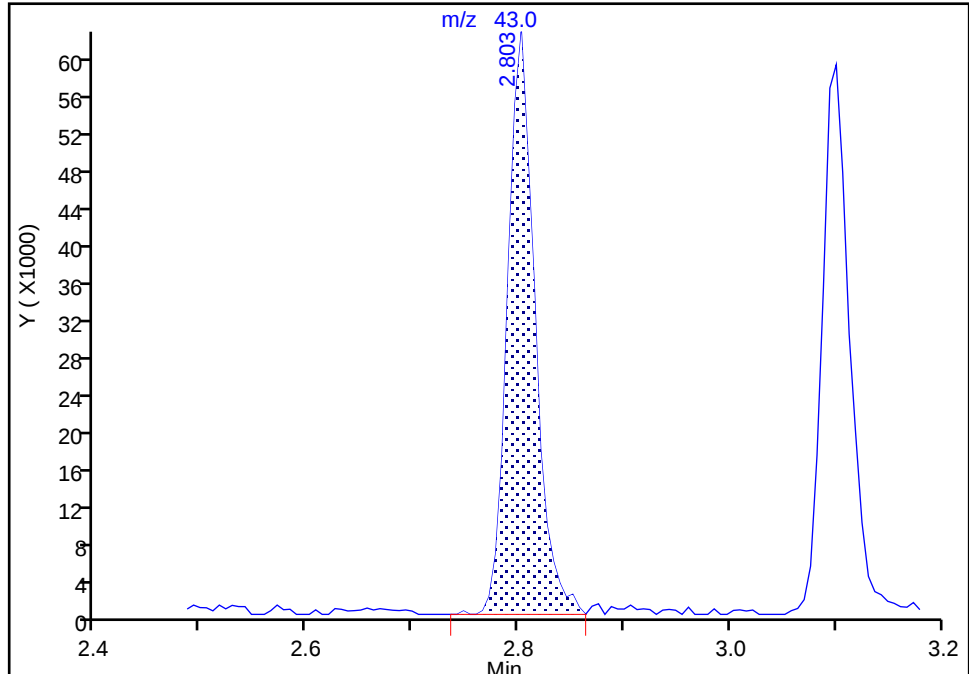
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Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

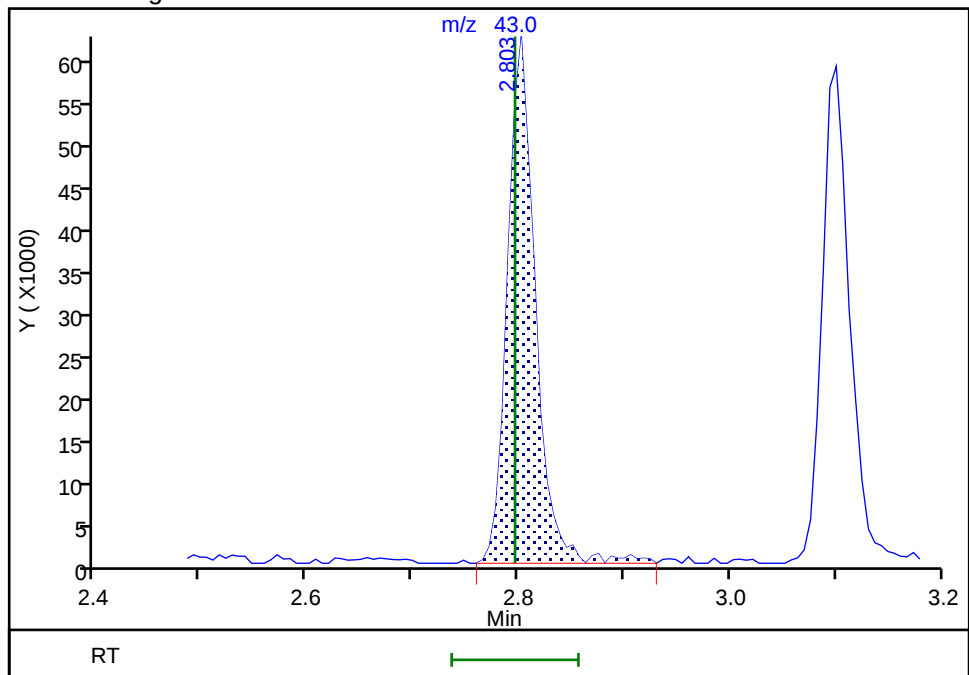
RT: 2.80
Area: 112546
Amount: 25.111106
Amount Units: ug/L

Processing Integration Results



RT: 2.80
Area: 114849
Amount: 25.560286
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:03:30
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

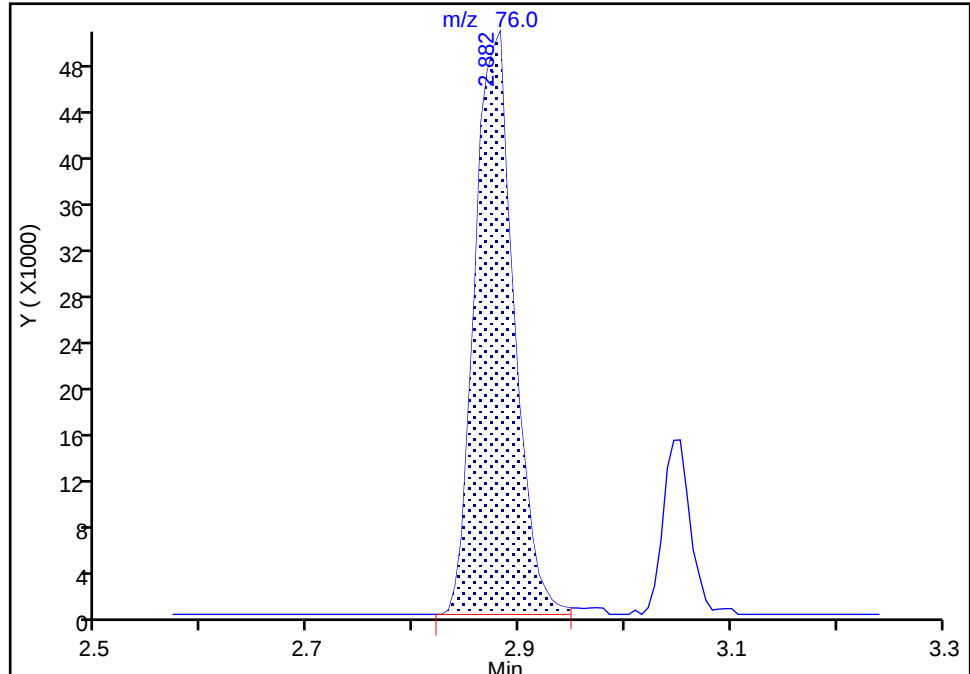
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Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Signal: 1

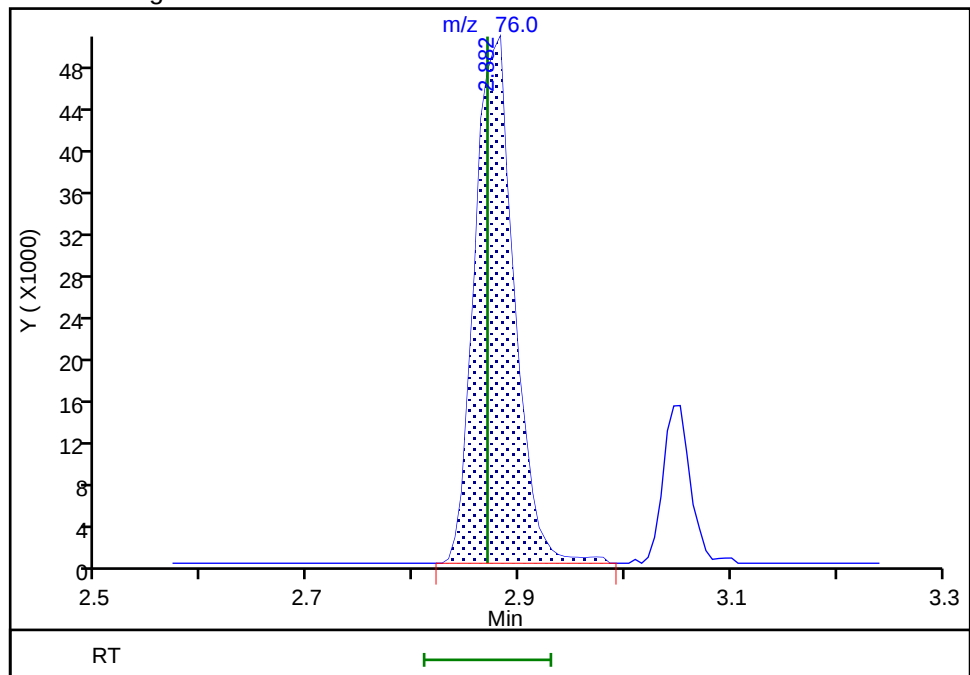
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Area: 128406
Amount: 4.540342
Amount Units: ug/L

Processing Integration Results



RT: 2.88
Area: 129394
Amount: 4.571285
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:03:44

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

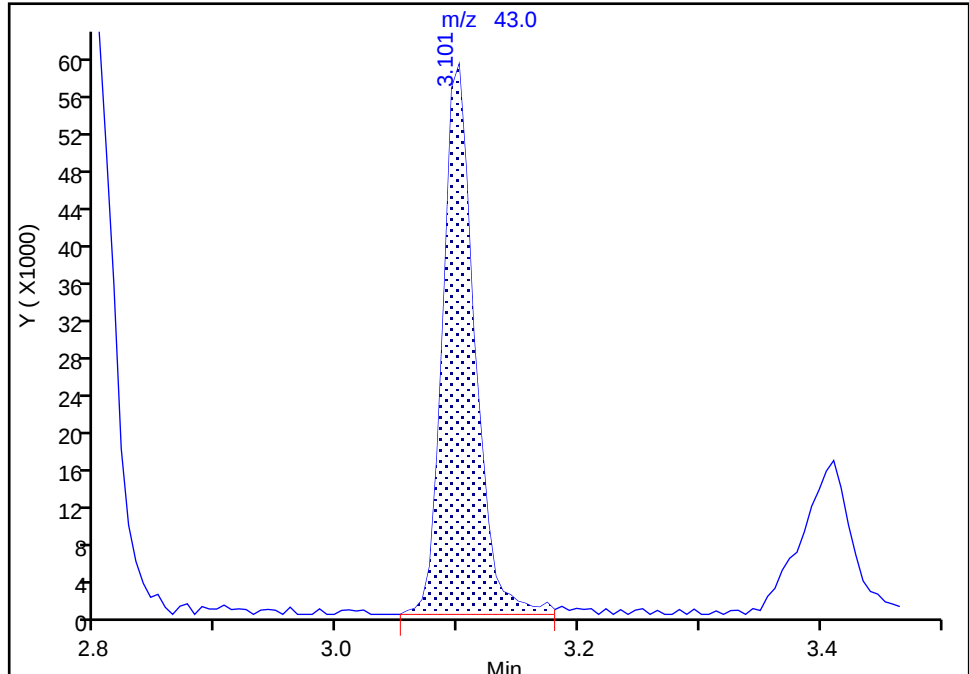
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Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

27 Methyl acetate, CAS: 79-20-9

Signal: 1

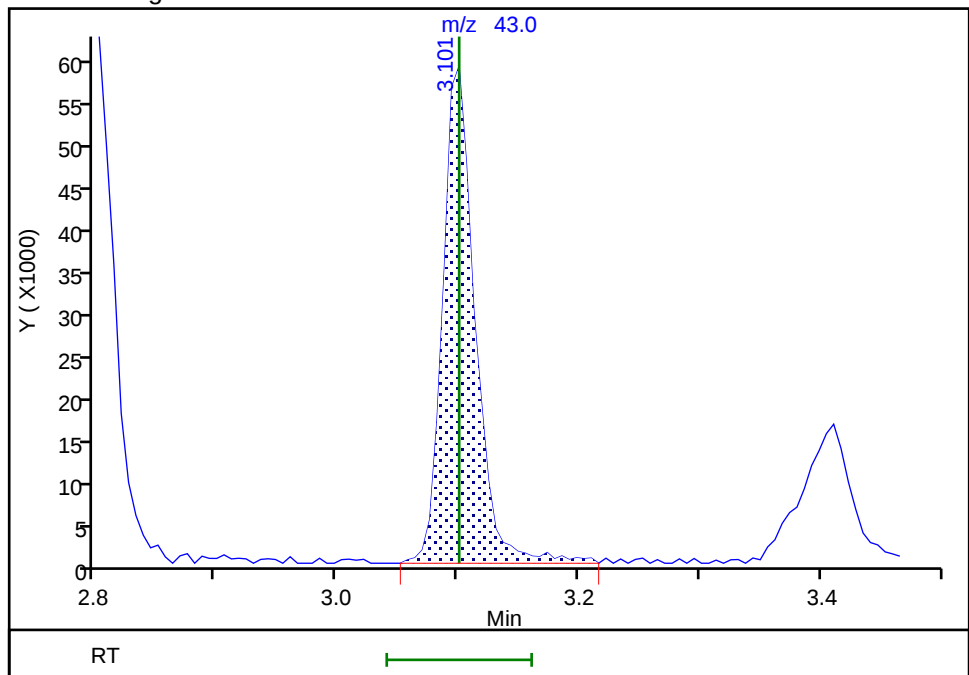
RT: 3.10
Area: 108681
Amount: 9.935833
Amount Units: ug/L

Processing Integration Results



RT: 3.10
Area: 109807
Amount: 10.012809
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:16:59
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

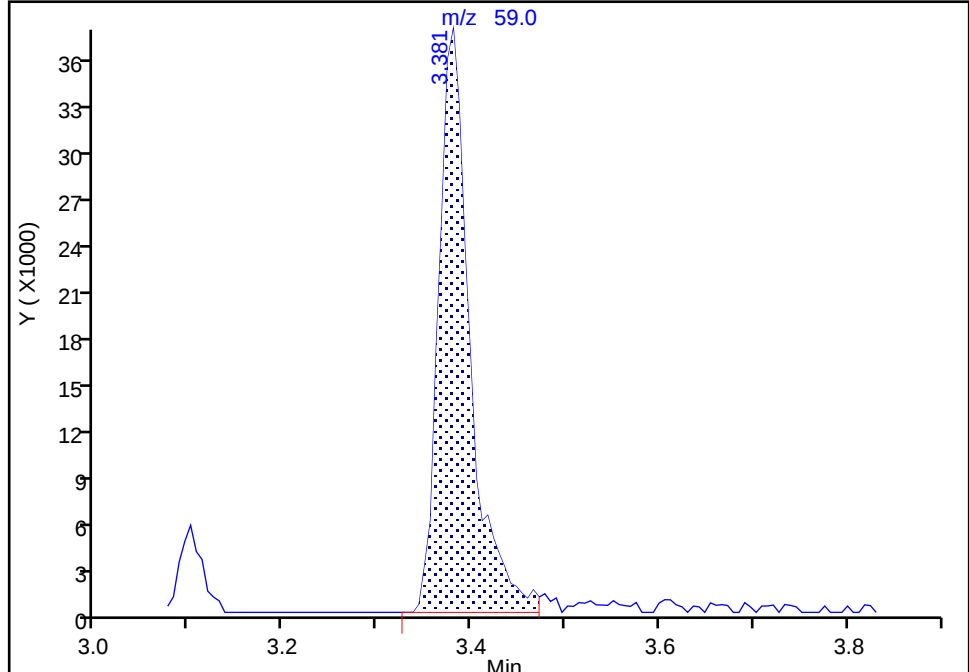
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Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

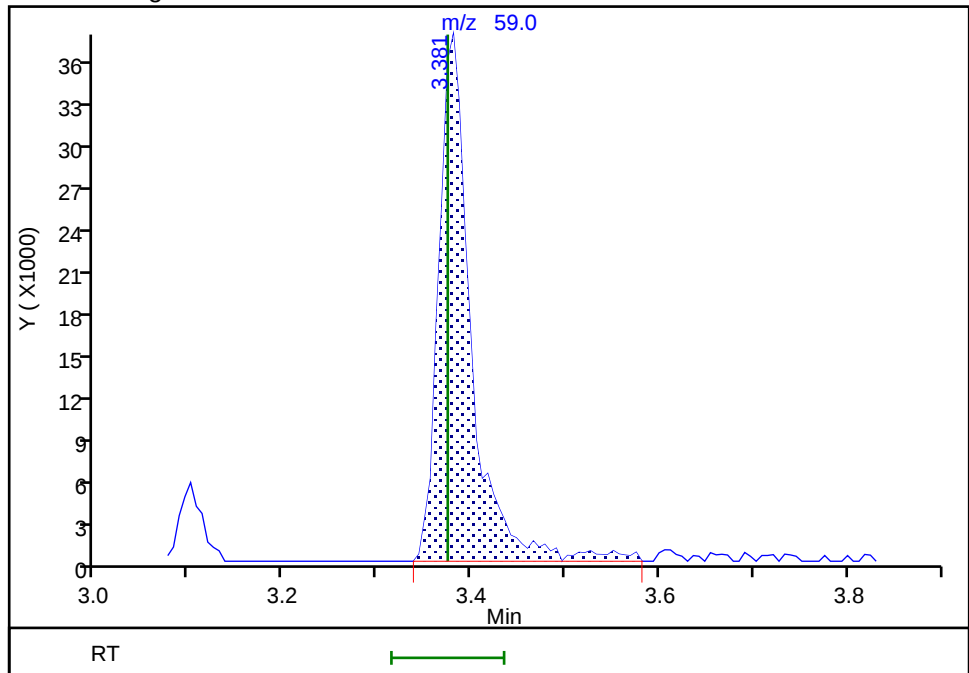
RT: 3.38
Area: 86885
Amount: 51.560456
Amount Units: ug/L

Processing Integration Results



RT: 3.38
Area: 90431
Amount: 53.247389
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:03:59
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

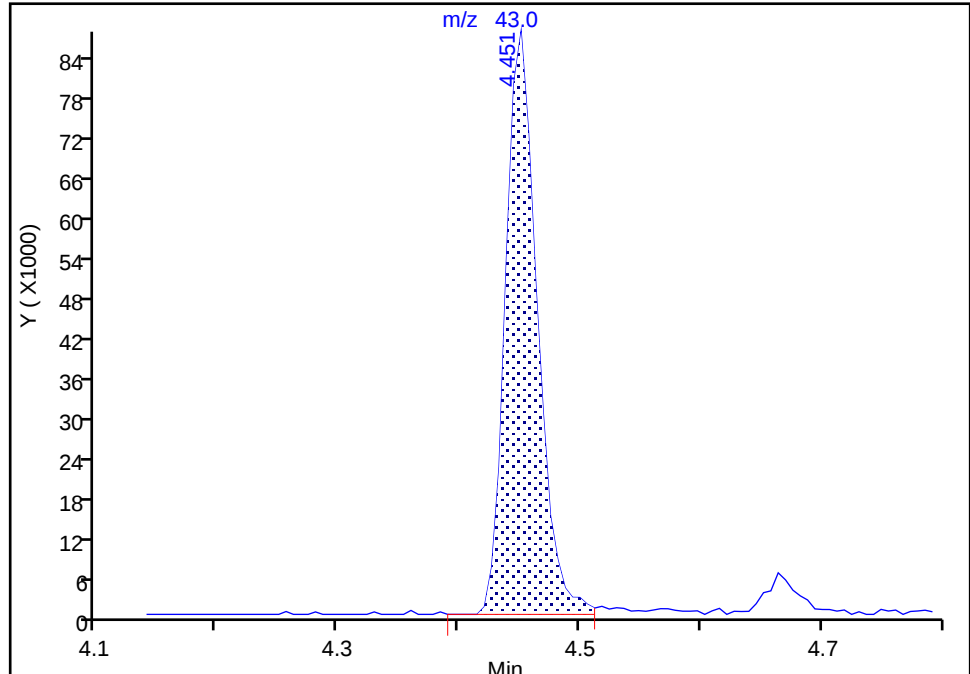
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Injection Date: 26-Mar-2019 15:53:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

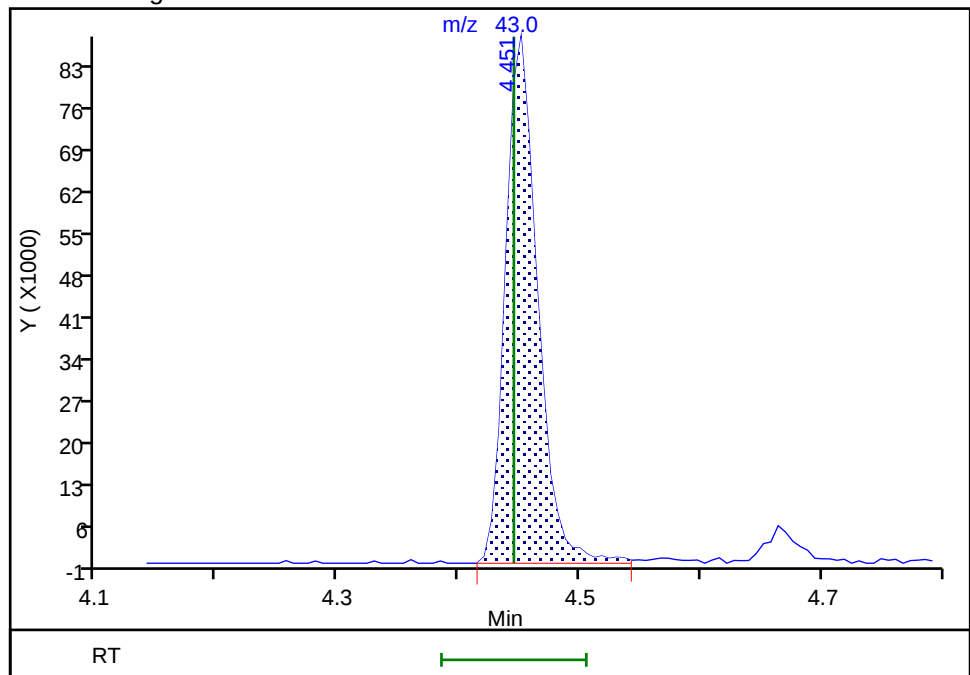
RT: 4.45
Area: 160521
Amount: 25.517678
Amount Units: ug/L

Processing Integration Results



RT: 4.45
Area: 162159
Amount: 25.713536
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:21:35

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

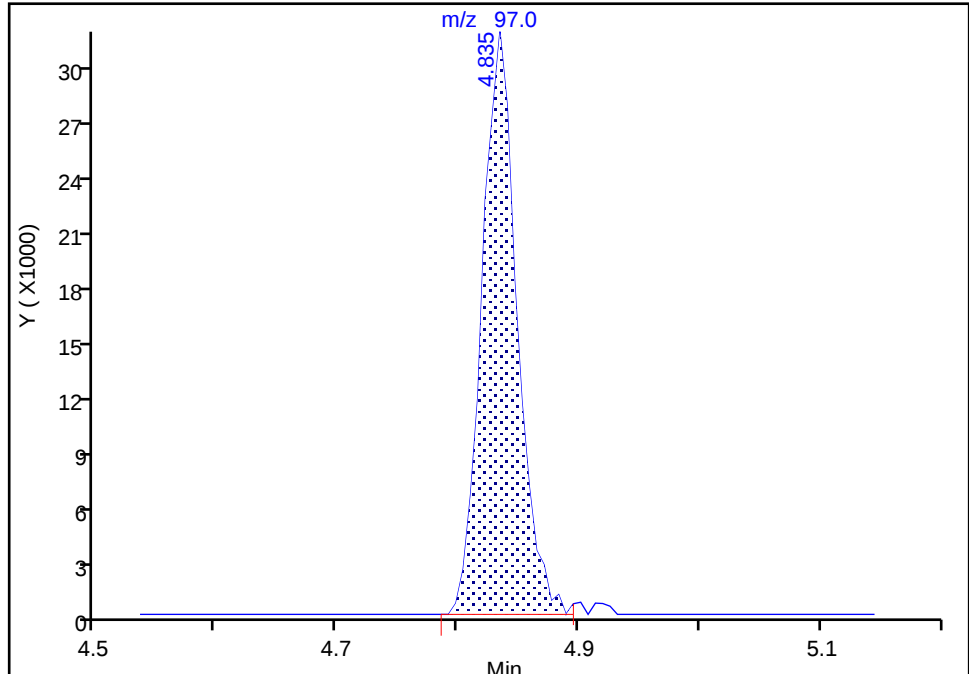
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Injection Date: 26-Mar-2019 15:53:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

51 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

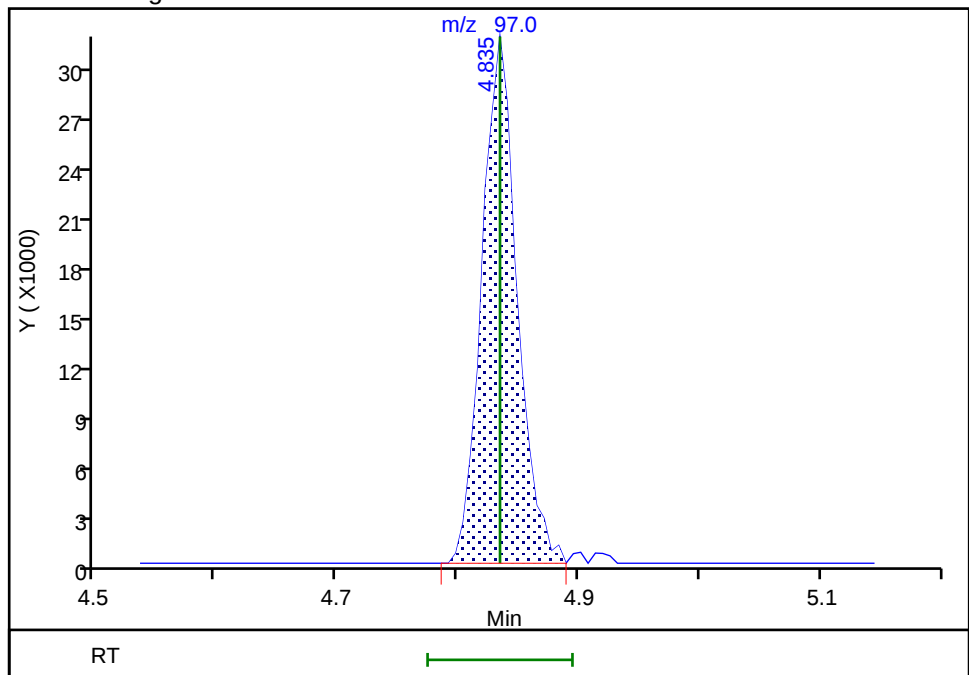
RT: 4.83
Area: 64220
Amount: 4.618916
Amount Units: ug/L

Processing Integration Results



RT: 4.83
Area: 64009
Amount: 4.468082
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:04:23

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

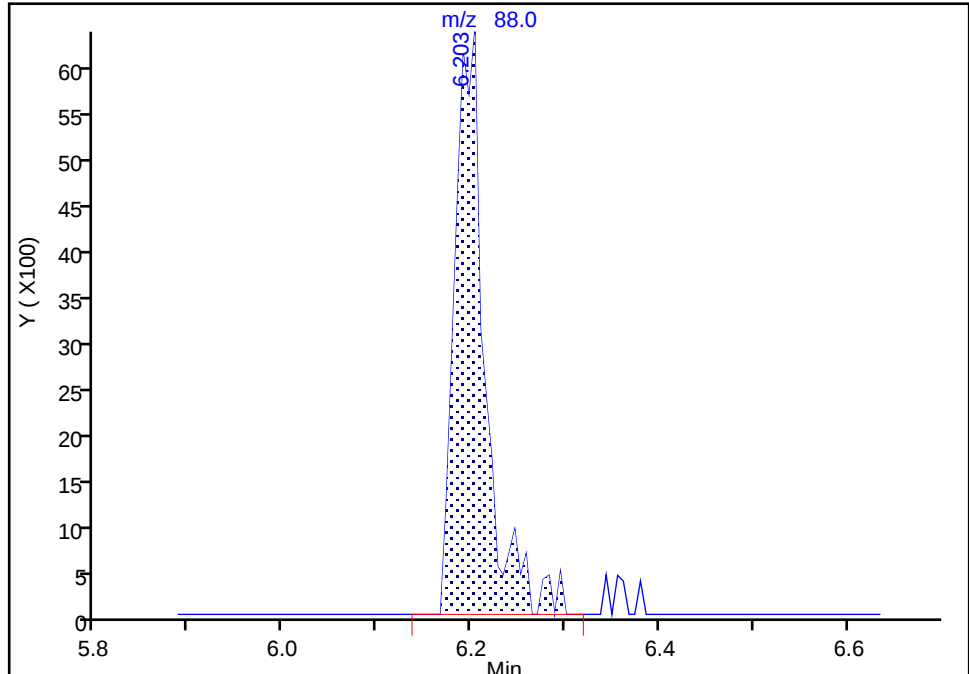
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Injection Date: 26-Mar-2019 15:53:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

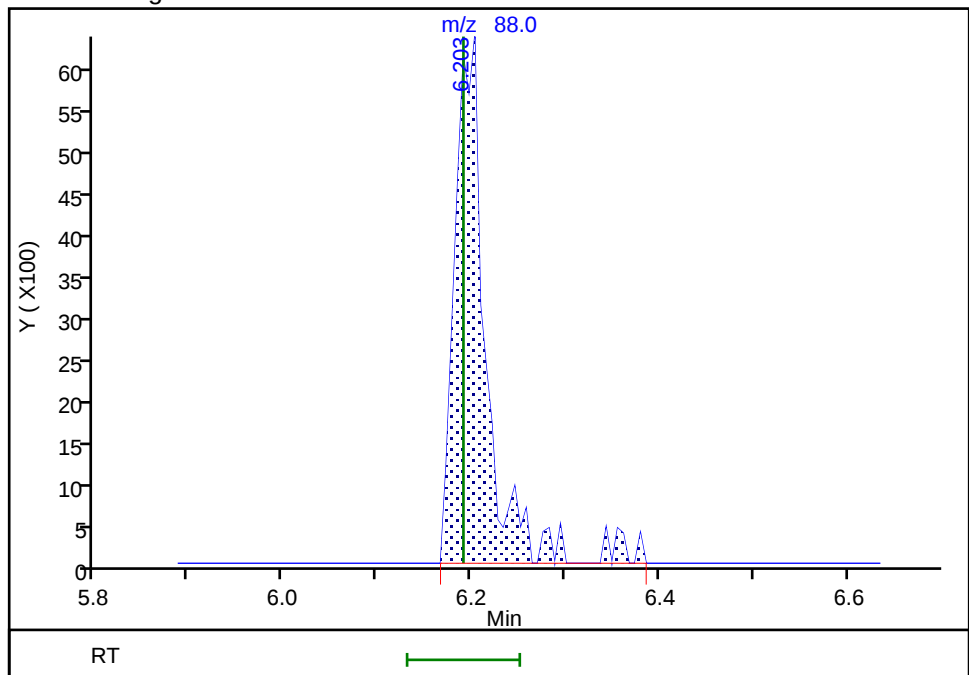
RT: 6.20
Area: 14150
Amount: 100.0925
Amount Units: ug/L

Processing Integration Results



RT: 6.20
Area: 14729
Amount: 106.4131
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:04:49
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

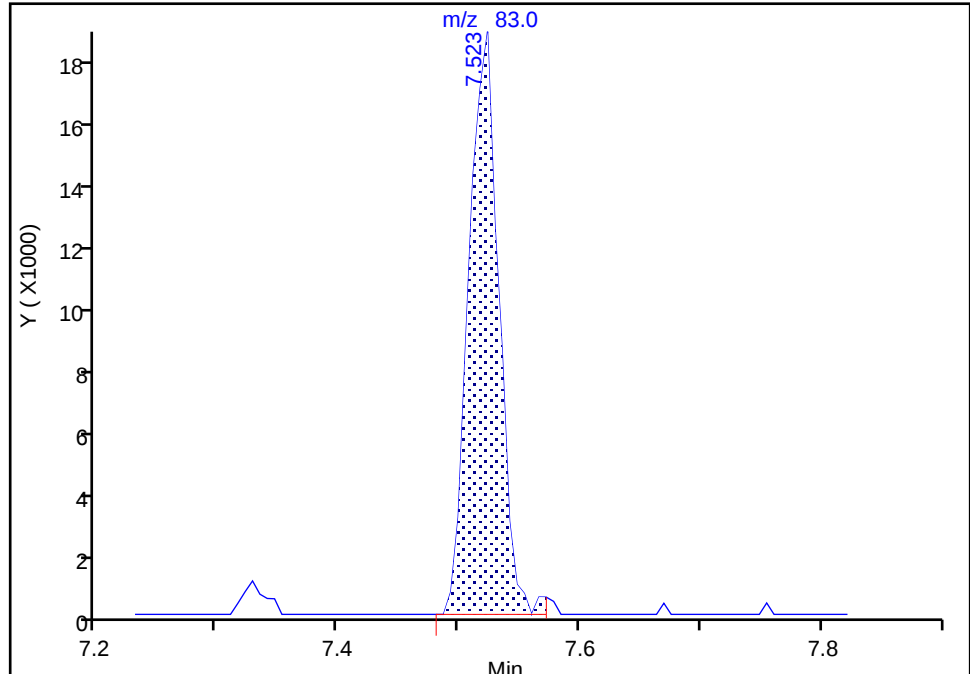
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Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

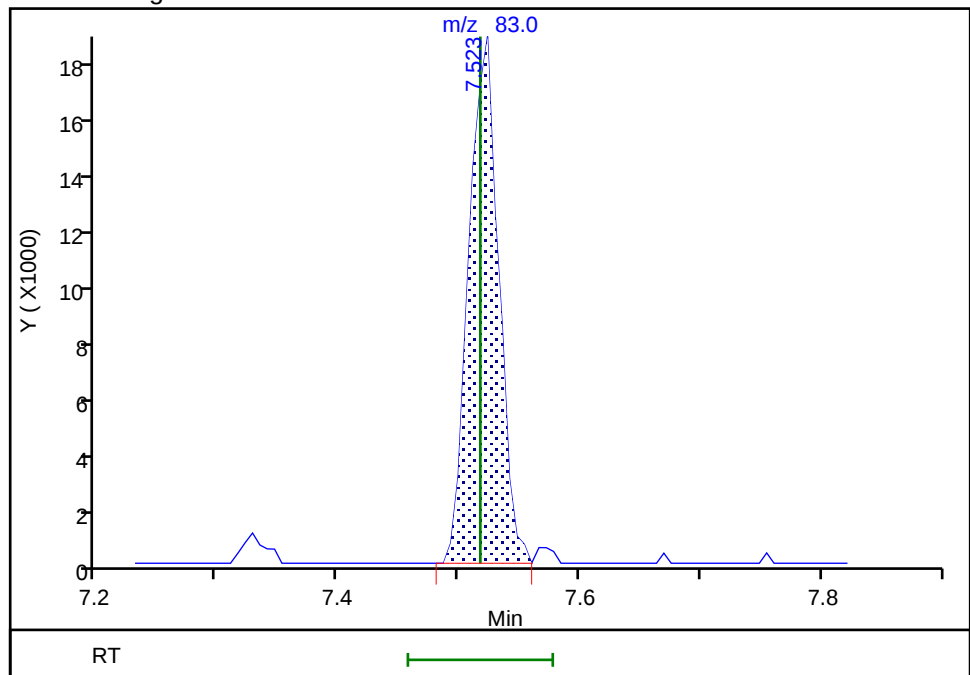
RT: 7.52
Area: 32797
Amount: 5.028530
Amount Units: ug/L

Processing Integration Results



RT: 7.52
Area: 32388
Amount: 4.963296
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:05:02

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

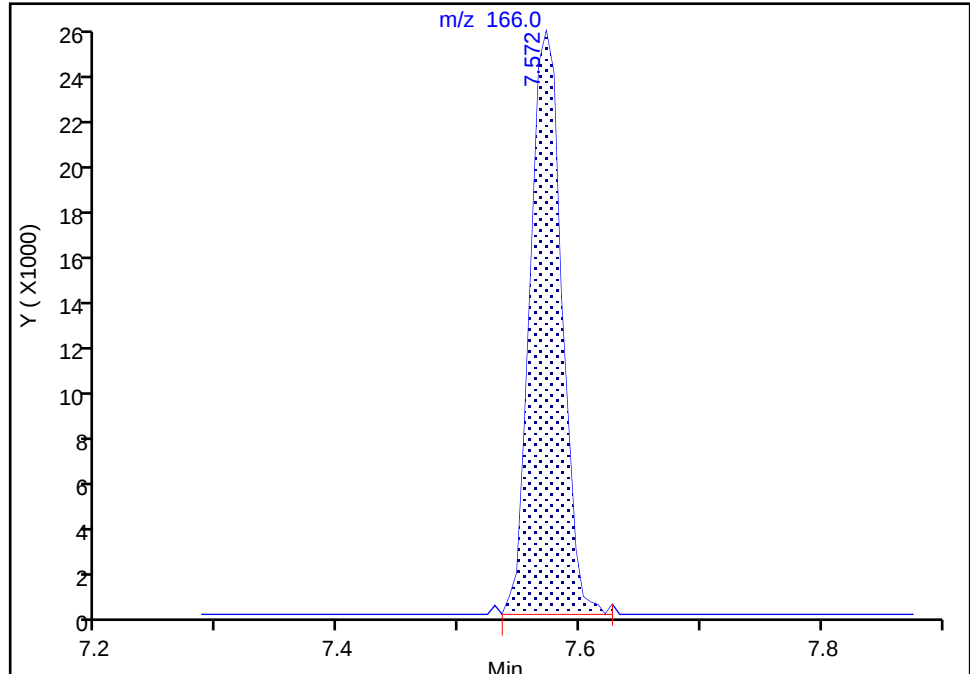
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Injection Date: 26-Mar-2019 15:53:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

81 Tetrachloroethene, CAS: 127-18-4

Signal: 1

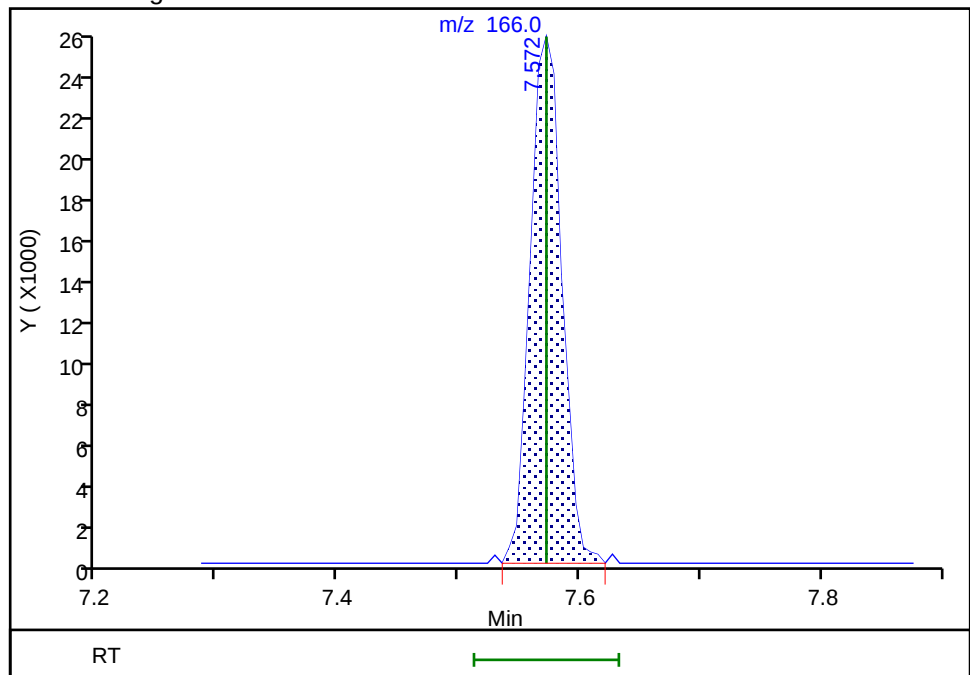
RT: 7.57
Area: 45814
Amount: 4.781589
Amount Units: ug/L

Processing Integration Results



RT: 7.57
Area: 45656
Amount: 4.767064
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:05:06

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2847.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 26-Mar-2019 16:16:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0079693-010
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 28-Mar-2019 12:18:55 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: carrolln

Date: 26-Mar-2019 23:08:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	167061	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	87	336005	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	87	330562	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	56	223655	25.0	24.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.187	0.006	85	142445	25.0	25.2	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	91	824032	25.0	24.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.713	9.714	-0.001	85	259810	25.0	25.2	
10 Dichlorodifluoromethane	85	1.269	1.276	-0.007	97	92142	10.0	9.31	
12 Chloromethane	50	1.452	1.446	0.006	89	118316	10.0	9.79	
151 Butadiene	54	1.543	1.543	0.000	91	102666	10.0	9.27	
13 Vinyl chloride	62	1.543	1.549	-0.006	61	108358	10.0	9.59	
14 Bromomethane	94	1.841	1.841	0.000	91	76151	10.0	9.74	
15 Chloroethane	64	1.926	1.927	-0.001	98	73357	10.0	9.64	M
16 Dichlorofluoromethane	67	2.158	2.158	0.000	81	163013	10.0	9.90	
17 Trichlorofluoromethane	101	2.170	2.164	0.006	83	135817	10.0	9.31	
18 Ethyl ether	59	2.450	2.450	0.000	91	94012	10.0	9.84	
20 Acrolein	56	2.638	2.638	0.000	95	139238	50.0	50.7	M
21 1,1,2-Trichloro-1,2,2-trif	101	2.663	2.657	0.006	64	77144	10.0	9.29	
22 1,1-Dichloroethene	96	2.675	2.669	0.006	87	83153	10.0	9.87	
23 Acetone	43	2.803	2.797	0.006	99	226012	50.0	50.7	M
25 Iodomethane	142	2.839	2.839	0.000	97	152898	10.0	10.1	
26 Carbon disulfide	76	2.876	2.870	0.006	98	271433	10.0	9.66	
28 3-Chloro-1-propene	41	3.046	3.046	0.000	85	155225	10.0	9.65	
27 Methyl acetate	43	3.101	3.101	0.000	96	216909	20.0	19.9	M
30 Methylene Chloride	84	3.198	3.198	0.000	90	106334	10.0	10.2	
31 2-Methyl-2-propanol	59	3.374	3.375	-0.001	97	179120	100.0	106.3	M
32 Methyl tert-butyl ether	73	3.411	3.405	0.006	92	307572	10.0	9.84	
34 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	93	99280	10.0	9.75	
33 Acrylonitrile	53	3.490	3.490	0.000	97	559187	100.0	102.9	
35 Hexane	57	3.612	3.618	-0.006	92	123465	10.0	9.64	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.849	3.849	0.000	85	176079	10.0	9.77	
37 Vinyl acetate	43	3.904	3.904	0.000	98	450397	20.0	20.0	
44 2,2-Dichloropropane	77	4.372	4.372	0.000	89	86523	10.0	9.58	
45 cis-1,2-Dichloroethene	96	4.409	4.409	0.000	67	108593	10.0	9.61	
43 2-Butanone (MEK)	43	4.451	4.445	0.006	100	328822	50.0	52.5	M
48 Chlorobromomethane	128	4.646	4.646	0.000	97	59306	10.0	10.4	
49 Tetrahydrofuran	42	4.664	4.664	0.000	89	91731	20.0	21.1	
50 Chloroform	83	4.725	4.725	0.000	93	176719	10.0	9.79	
52 Cyclohexane	56	4.834	4.835	-0.001	92	158429	10.0	9.35	
51 1,1,1-Trichloroethane	97	4.834	4.835	-0.001	84	138733	10.0	9.76	
55 Carbon tetrachloride	117	4.968	4.968	0.000	79	112880	10.0	9.35	
54 1,1-Dichloropropene	75	4.987	4.987	0.000	89	129389	10.0	9.79	
57 Benzene	78	5.193	5.194	-0.001	93	388862	10.0	10.1	
53 Isobutyl alcohol	43	5.218	5.218	0.000	91	157522	250.0	260.0	
58 1,2-Dichloroethane	62	5.266	5.267	-0.001	73	149839	10.0	9.61	
59 n-Heptane	43	5.364	5.364	0.000	90	123362	10.0	9.76	
62 Trichloroethene	95	5.802	5.802	0.000	91	99424	10.0	10.1	
64 Methylcyclohexane	83	5.917	5.917	0.000	93	155727	10.0	9.29	
65 1,2-Dichloropropane	63	6.051	6.051	0.000	89	92451	10.0	10.4	
67 Dibromomethane	93	6.185	6.185	0.000	88	63067	10.0	9.75	
66 1,4-Dioxane	88	6.197	6.191	0.006	53	30962	200.0	211.2	M
68 Dichlorobromomethane	83	6.343	6.343	0.000	95	119210	10.0	10.0	
69 2-Chloroethyl vinyl ether	63	6.623	6.623	0.000	91	67266	10.0	10.8	
72 cis-1,3-Dichloropropene	75	6.757	6.757	0.000	86	145286	10.0	10.3	
73 4-Methyl-2-pentanone (MIBK)	43	6.903	6.903	0.000	97	650045	50.0	52.0	
74 Toluene	92	7.043	7.043	0.000	92	239053	10.0	10.2	
77 trans-1,3-Dichloropropene	75	7.329	7.329	0.000	96	131476	10.0	10.3	
75 Ethyl methacrylate	69	7.371	7.371	0.000	82	116783	10.0	10.3	
79 1,1,2-Trichloroethane	83	7.517	7.517	0.000	94	70849	10.0	10.3	
81 Tetrachloroethene	166	7.572	7.572	0.000	78	97277	10.0	9.59	
82 1,3-Dichloropropane	76	7.682	7.682	0.000	94	145307	10.0	10.1	
80 2-Hexanone	43	7.748	7.743	0.005	93	422411	50.0	53.7	
83 Chlorodibromomethane	129	7.913	7.919	-0.006	82	83659	10.0	9.84	
84 Ethylene Dibromide	107	8.022	8.022	0.000	99	89931	10.0	10.0	
87 Chlorobenzene	112	8.491	8.491	0.000	93	265645	10.0	10.1	
88 Ethylbenzene	91	8.582	8.582	0.000	99	441196	10.0	10.0	
89 1,1,1,2-Tetrachloroethane	131	8.594	8.594	0.000	47	89096	10.0	9.43	
90 m-Xylene & p-Xylene	106	8.704	8.704	0.000	99	173989	10.0	9.83	
91 o-Xylene	106	9.136	9.136	0.000	97	175073	10.0	9.77	
92 Styrene	104	9.166	9.166	0.000	90	283219	10.0	10.2	
95 Bromoform	173	9.415	9.416	-0.001	95	54090	10.0	9.50	
94 Isopropylbenzene	105	9.513	9.513	0.000	95	469234	10.0	10.3	
101 Bromobenzene	156	9.866	9.866	0.000	93	115471	10.0	10.2	
97 1,1,2,2-Tetrachloroethane	83	9.926	9.927	-0.001	69	129727	10.0	10.3	
99 N-Propylbenzene	91	9.939	9.939	0.000	98	537865	10.0	10.0	
100 1,2,3-Trichloropropane	110	9.957	9.957	0.000	76	44249	10.0	10.2	
98 trans-1,4-Dichloro-2-buten	53	9.969	9.969	0.000	77	40766	10.0	10.1	
103 2-Chlorotoluene	126	10.048	10.048	0.000	96	115347	10.0	10.3	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	92	403921	10.0	10.0	
105 4-Chlorotoluene	126	10.158	10.158	0.000	96	111690	10.0	9.93	
106 tert-Butylbenzene	134	10.437	10.438	-0.001	90	88834	10.0	10.6	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	48	396225	10.0	9.77	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.644	10.644	0.000	94	509392	10.0	10.3	
110 4-Isopropyltoluene	119	10.784	10.784	0.000	97	450389	10.0	10.0	
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	69	220149	10.0	10.1	
113 1,4-Dichlorobenzene	146	10.869	10.870	-0.001	83	225818	10.0	10.1	
115 n-Butylbenzene	91	11.167	11.168	-0.001	95	390030	10.0	9.89	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	91	230870	10.0	9.95	
117 1,2-Dibromo-3-Chloropropan	75	11.958	11.958	0.000	70	27375	10.0	9.61	
119 1,2,4-Trichlorobenzene	180	12.621	12.622	-0.001	93	180084	10.0	10.1	
120 Hexachlorobutadiene	225	12.731	12.731	0.000	95	84614	10.0	10.1	
121 Naphthalene	128	12.840	12.841	-0.001	97	538786	10.0	10.0	
122 1,2,3-Trichlorobenzene	180	13.041	13.041	0.000	93	176029	10.0	9.86	
S 124 Xylenes, Total	1				0			19.6	
S 123 Total BTEX	1				0			49.8	
S 126 1,3-Dichloropropene, Total	1				0			20.7	
S 125 1,2-Dichloroethene, Total	1				0			19.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00151	Amount Added: 5.00	Units: uL	
GAS CORP mix_00333	Amount Added: 5.00	Units: uL	
S_8260_IS_00316	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00309	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2847.D

Injection Date: 26-Mar-2019 16:16:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC 4

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

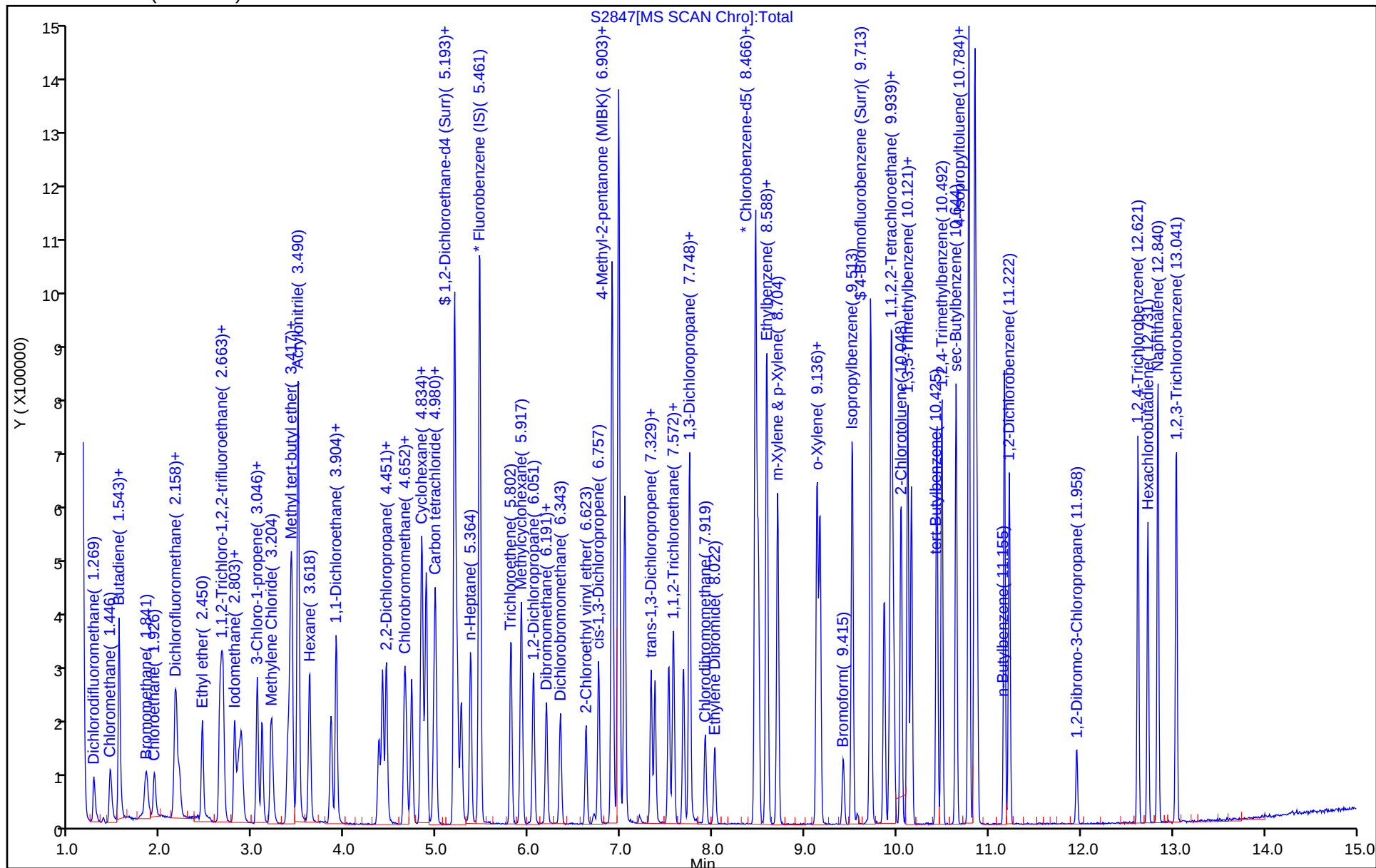
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



TestAmerica Buffalo

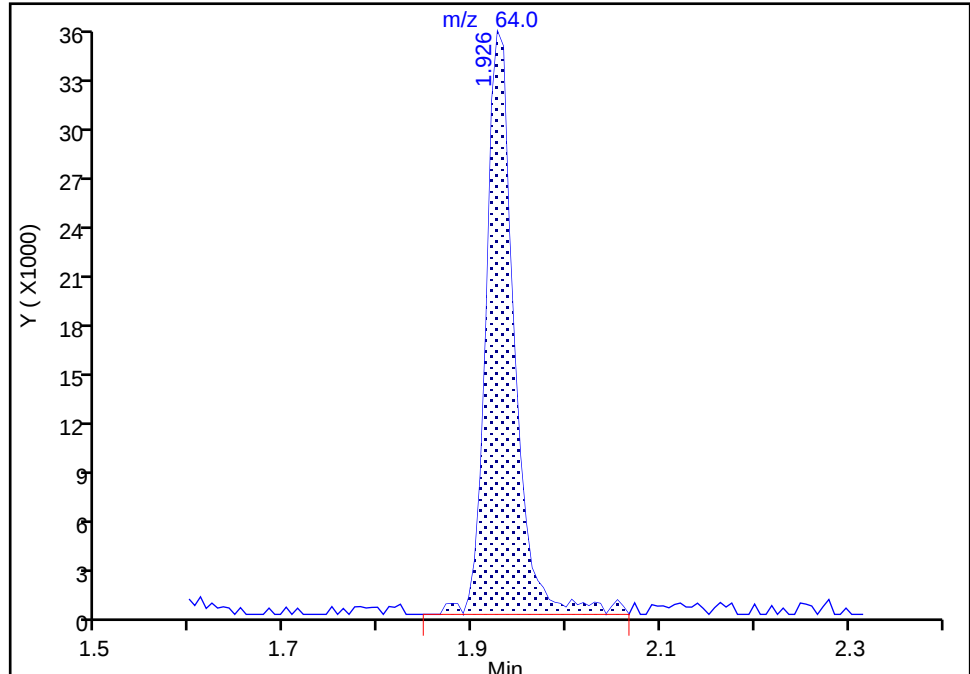
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Injection Date: 26-Mar-2019 16:16:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

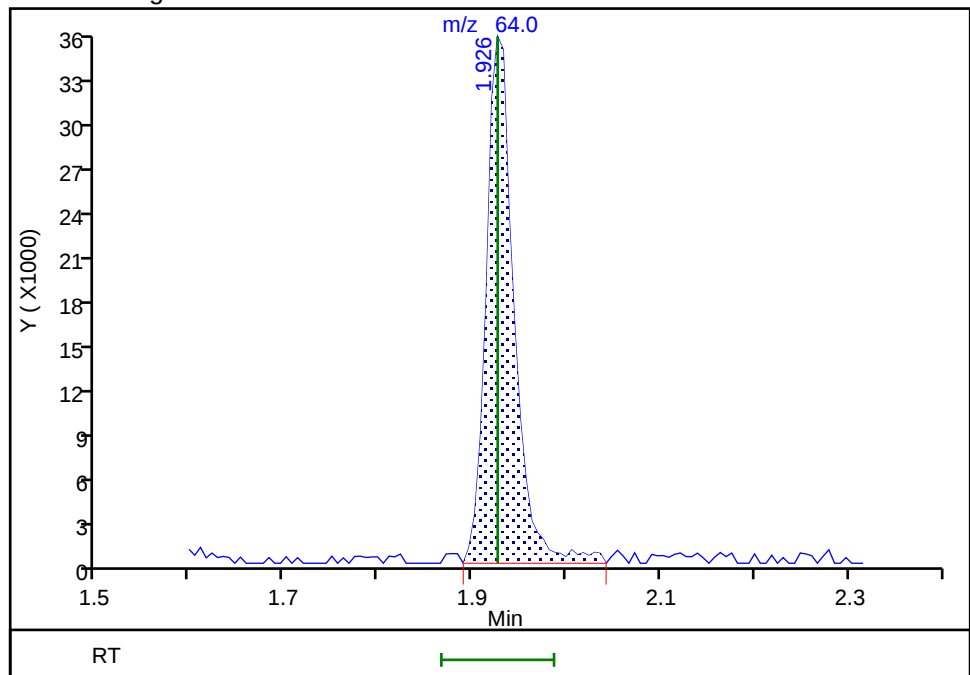
RT: 1.93
Area: 74726
Amount: 10.274113
Amount Units: ug/L

Processing Integration Results



RT: 1.93
Area: 73357
Amount: 9.640712
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:06:15

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

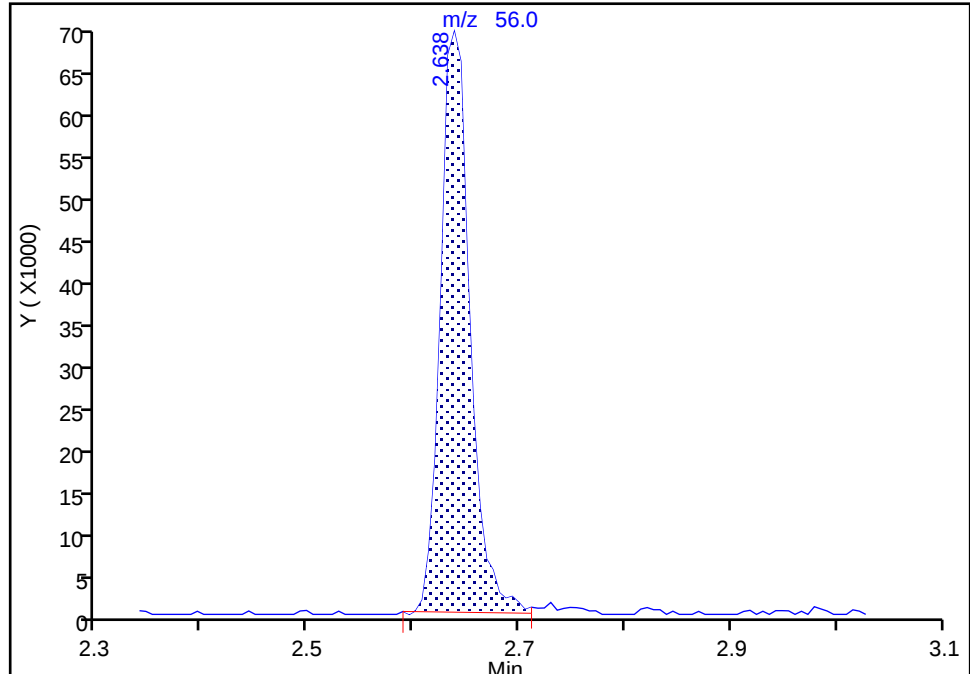
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Injection Date: 26-Mar-2019 16:16:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

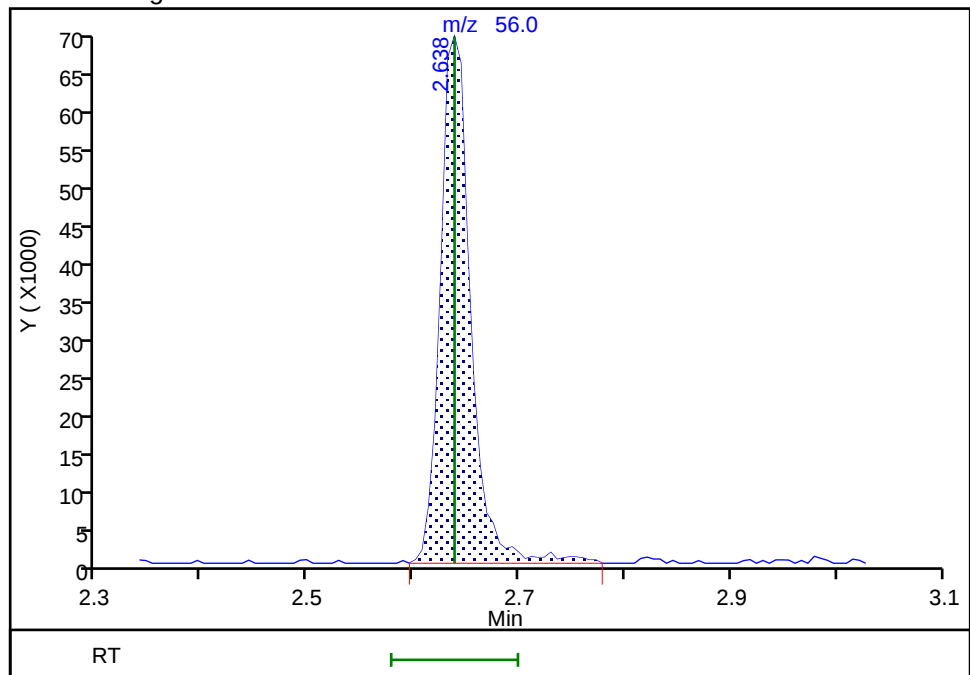
RT: 2.64
Area: 134833
Amount: 49.406797
Amount Units: ug/L

Processing Integration Results



RT: 2.64
Area: 139238
Amount: 50.723885
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:06:30
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

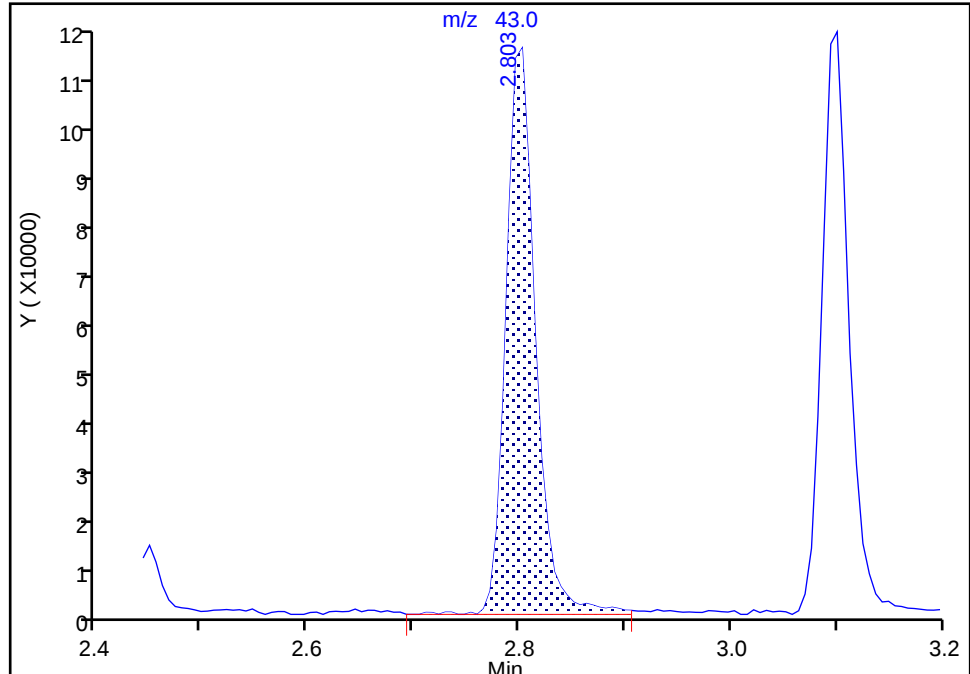
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Injection Date: 26-Mar-2019 16:16:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

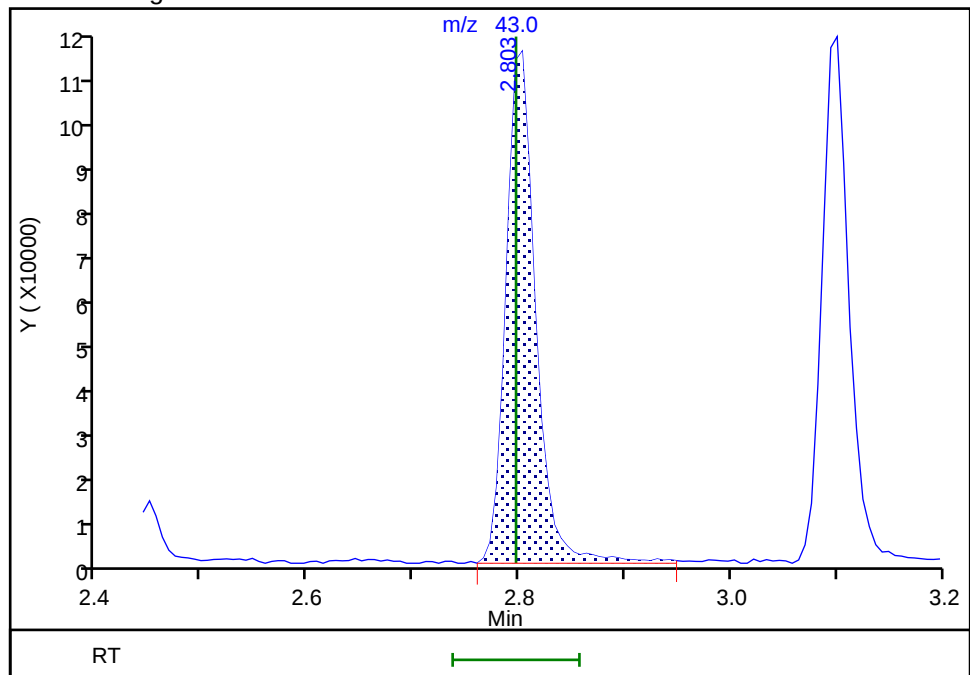
RT: 2.80
Area: 224987
Amount: 50.460668
Amount Units: ug/L

Processing Integration Results



RT: 2.80
Area: 226012
Amount: 50.692551
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:07:03

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

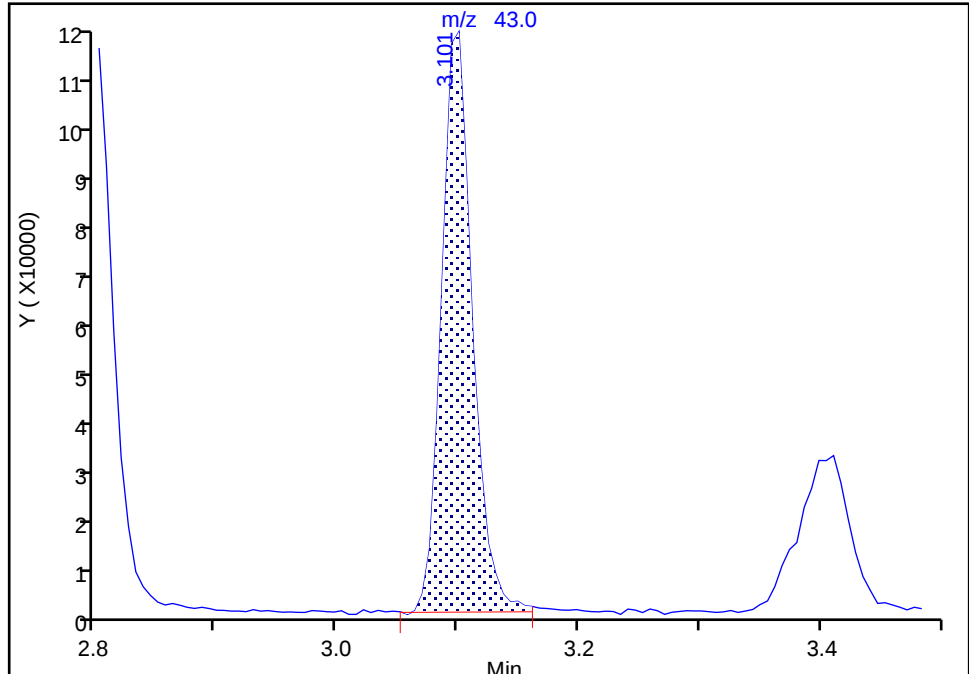
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2847.D
Injection Date: 26-Mar-2019 16:16:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

27 Methyl acetate, CAS: 79-20-9

Signal: 1

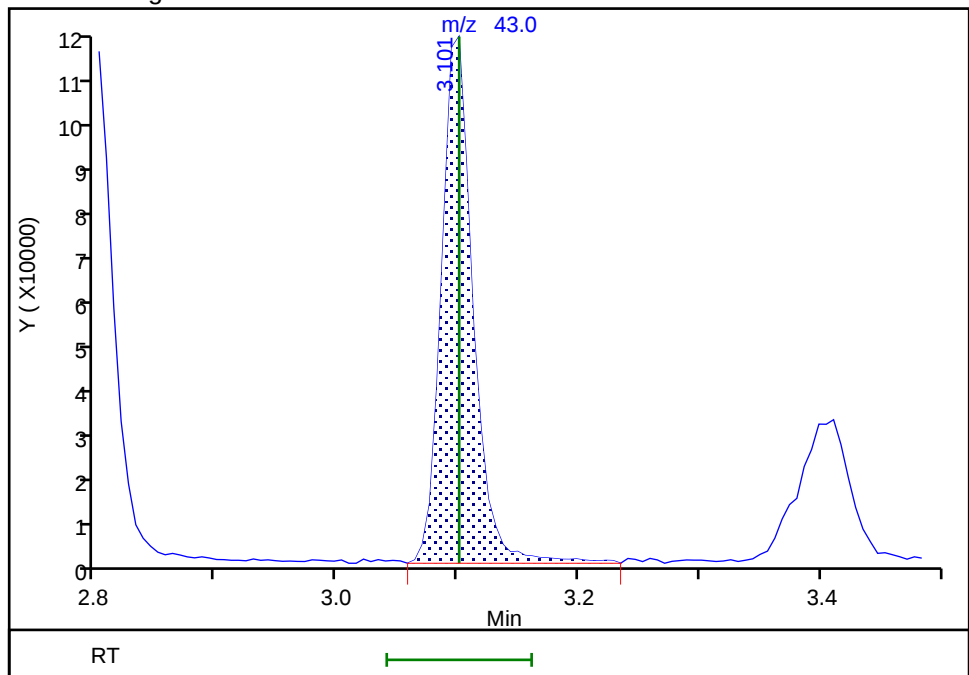
RT: 3.10
Area: 210477
Amount: 19.464399
Amount Units: ug/L

Processing Integration Results



RT: 3.10
Area: 216909
Amount: 19.933227
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:16:39
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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TestAmerica Buffalo

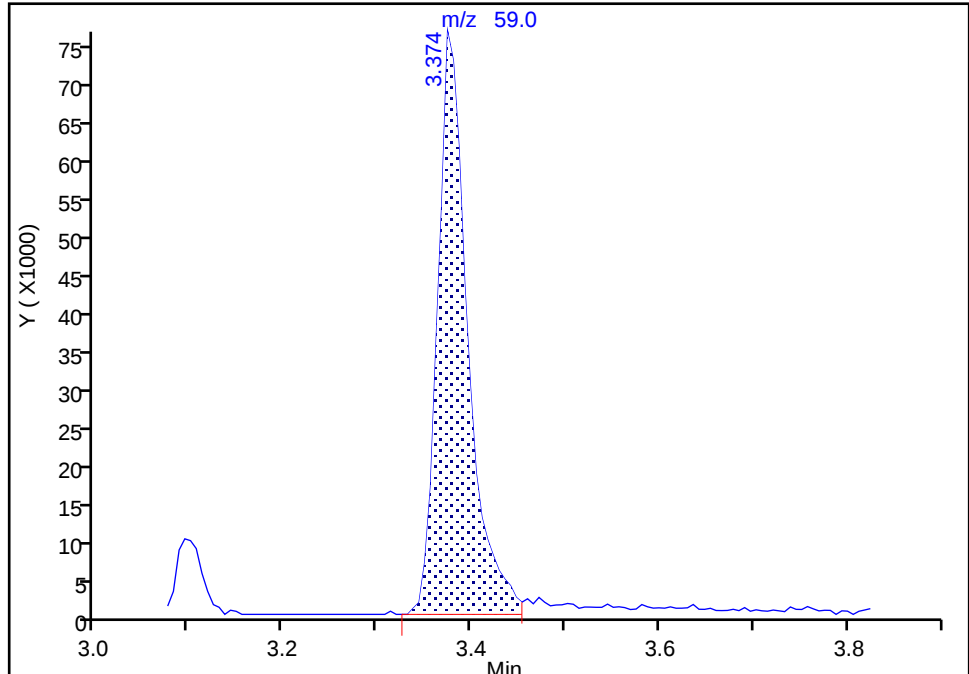
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Injection Date: 26-Mar-2019 16:16:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

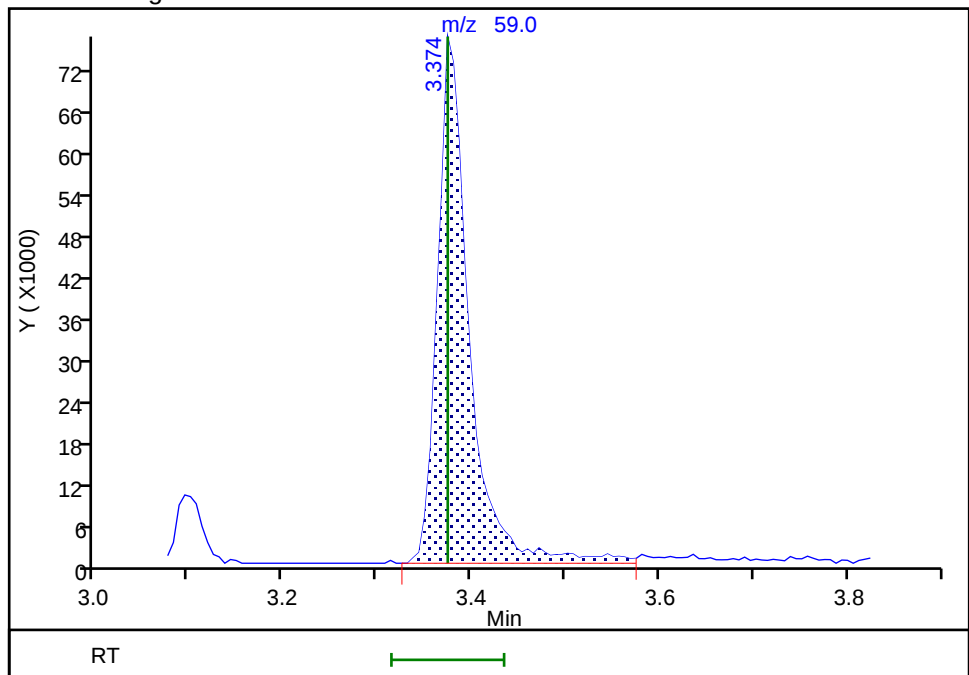
RT: 3.37
Area: 170465
Amount: 101.4151
Amount Units: ug/L

Processing Integration Results



RT: 3.37
Area: 179120
Amount: 106.2917
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:07:45
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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05/17/2019

TestAmerica Buffalo

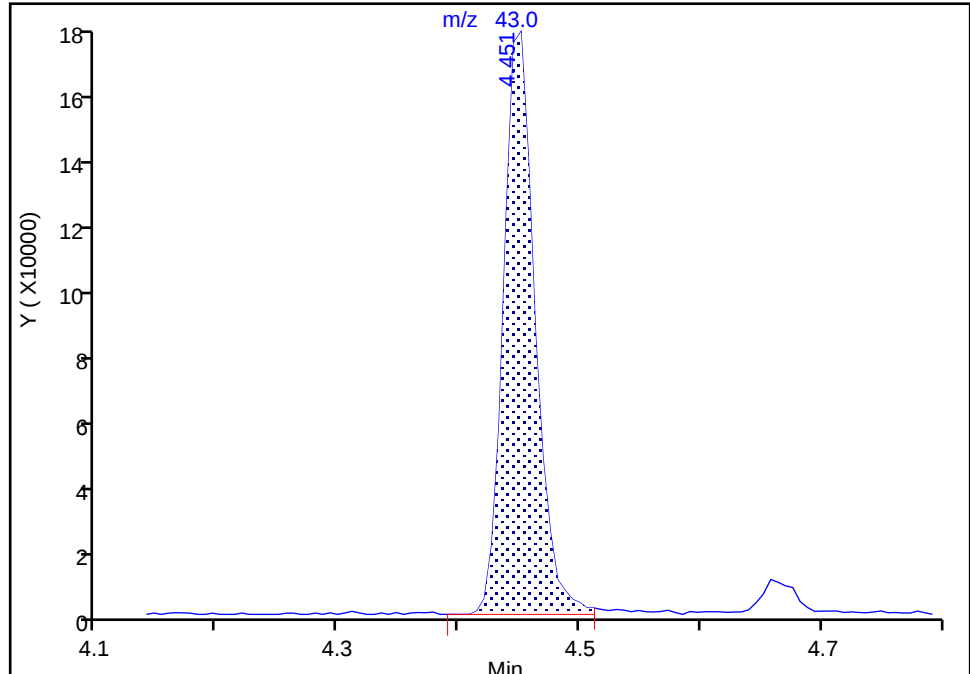
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2847.D
Injection Date: 26-Mar-2019 16:16:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

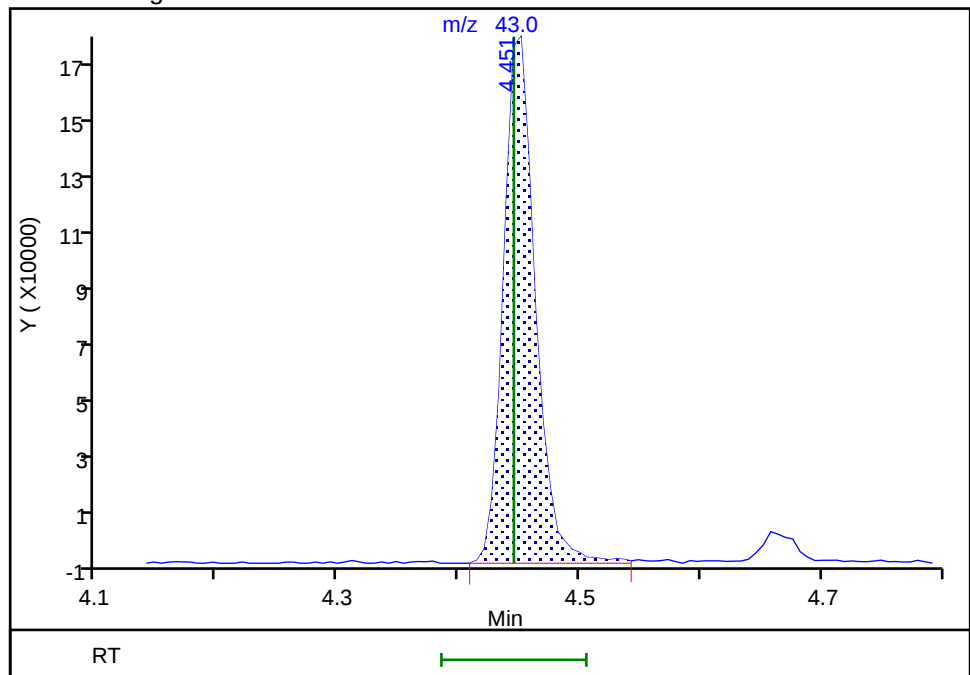
RT: 4.45
Area: 326447
Amount: 52.231329
Amount Units: ug/L

Processing Integration Results



RT: 4.45
Area: 328822
Amount: 52.547948
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:22:14

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

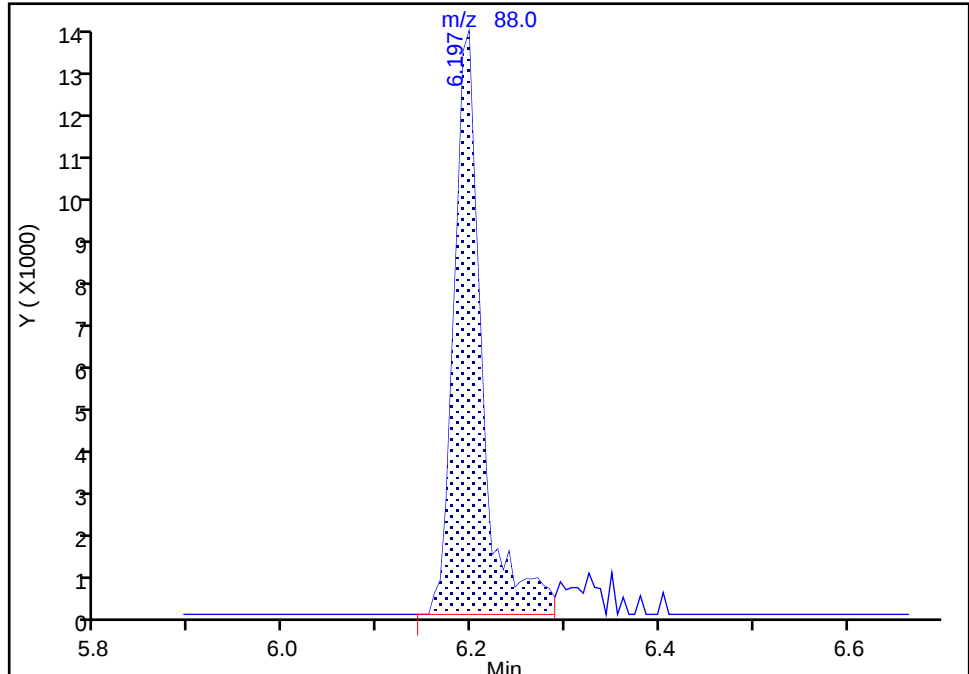
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Injection Date: 26-Mar-2019 16:16:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

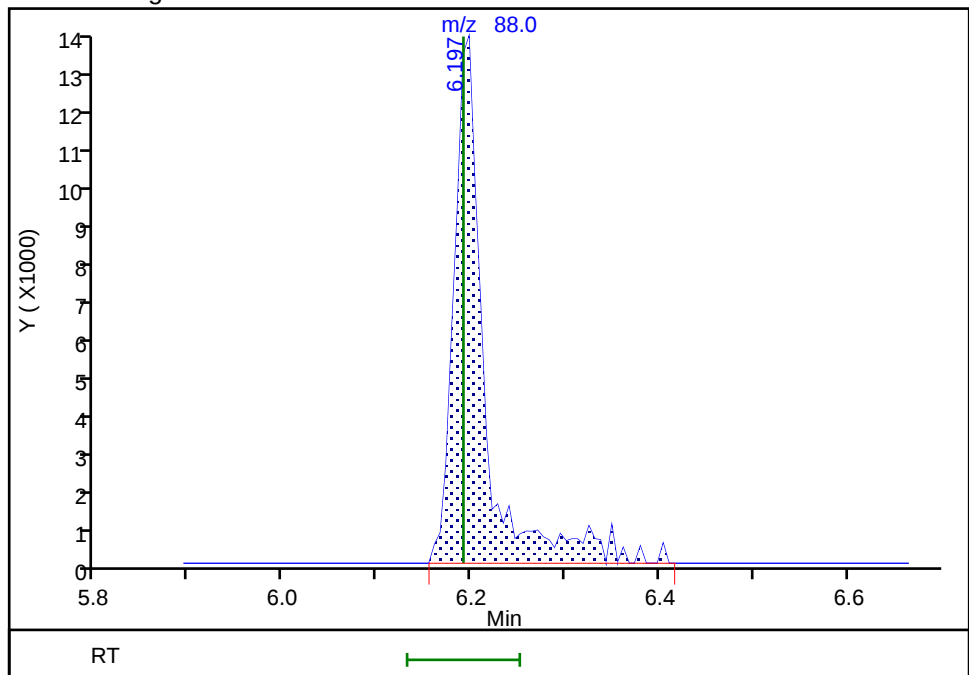
RT: 6.20
Area: 28177
Amount: 219.5448
Amount Units: ug/L

Processing Integration Results



RT: 6.20
Area: 30962
Amount: 211.2315
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 26-Mar-2019 23:08:09

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2848.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 26-Mar-2019 16:39:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0079693-011
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 28-Mar-2019 12:19:08 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: HillL

Date: 28-Mar-2019 12:16:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	163851	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	87	311589	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	66	313785	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	56	226842	25.0	25.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.187	5.187	0.000	51	135957	25.0	24.6	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	89	778293	25.0	25.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.714	9.714	0.000	88	236381	25.0	24.8	
10 Dichlorodifluoromethane	85	1.276	1.276	0.000	98	246713	25.0	25.4	
12 Chloromethane	50	1.446	1.446	0.000	99	291854	25.0	24.6	
151 Butadiene	54	1.543	1.543	0.000	90	273866	25.0	25.2	
13 Vinyl chloride	62	1.549	1.549	0.000	65	274829	25.0	24.8	
14 Bromomethane	94	1.841	1.841	0.000	90	188128	25.0	24.5	
15 Chloroethane	64	1.927	1.927	0.000	94	183266	25.0	24.6	
16 Dichlorofluoromethane	67	2.158	2.158	0.000	80	404465	25.0	25.0	
17 Trichlorofluoromethane	101	2.164	2.164	0.000	61	369021	25.0	25.8	
18 Ethyl ether	59	2.450	2.450	0.000	93	232654	25.0	24.8	
20 Acrolein	56	2.638	2.638	0.000	98	338664	125.0	125.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.657	2.657	0.000	79	199493	25.0	24.5	
22 1,1-Dichloroethene	96	2.669	2.669	0.000	88	198748	25.0	24.1	
23 Acetone	43	2.797	2.797	0.000	99	531733	125.0	121.6	
25 Iodomethane	142	2.839	2.839	0.000	99	373751	25.0	25.2	
26 Carbon disulfide	76	2.870	2.870	0.000	99	673486	25.0	24.4	
28 3-Chloro-1-propene	41	3.046	3.046	0.000	86	385305	25.0	24.4	
27 Methyl acetate	43	3.101	3.101	0.000	98	515534	50.0	48.3	
30 Methylene Chloride	84	3.198	3.198	0.000	90	249952	25.0	25.3	
31 2-Methyl-2-propanol	59	3.375	3.375	0.000	95	414525	250.0	250.8	
32 Methyl tert-butyl ether	73	3.405	3.405	0.000	92	765823	25.0	25.0	
34 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	92	243163	25.0	24.4	
33 Acrylonitrile	53	3.490	3.490	0.000	99	1368201	250.0	256.8	
35 Hexane	57	3.618	3.618	0.000	93	309192	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
39 1,1-Dichloroethane	63	3.849	3.849	0.000	97	429303	25.0	24.3	
37 Vinyl acetate	43	3.904	3.904	0.000	97	1099315	50.0	49.9	
44 2,2-Dichloropropane	77	4.372	4.372	0.000	91	220972	25.0	24.9	
45 cis-1,2-Dichloroethene	96	4.409	4.409	0.000	67	265988	25.0	24.0	
43 2-Butanone (MEK)	43	4.445	4.445	0.000	95	746174	125.0	121.6	
48 Chlorobromomethane	128	4.646	4.646	0.000	93	143694	25.0	25.8	
49 Tetrahydrofuran	42	4.664	4.664	0.000	86	213988	50.0	50.2	
50 Chloroform	83	4.725	4.725	0.000	81	431988	25.0	24.4	
52 Cyclohexane	56	4.835	4.835	0.000	87	409312	25.0	24.6	
51 1,1,1-Trichloroethane	97	4.835	4.835	0.000	82	346521	25.0	24.9	
55 Carbon tetrachloride	117	4.968	4.968	0.000	79	295144	25.0	24.9	
54 1,1-Dichloropropene	75	4.987	4.987	0.000	92	315520	25.0	24.3	
57 Benzene	78	5.194	5.194	0.000	97	929647	25.0	24.6	
53 Isobutyl alcohol	43	5.218	5.218	0.000	91	379522	625.0	638.8	
58 1,2-Dichloroethane	62	5.267	5.267	0.000	73	354894	25.0	23.2	
59 n-Heptane	43	5.364	5.364	0.000	90	297874	25.0	24.0	
62 Trichloroethene	95	5.802	5.802	0.000	92	231300	25.0	23.9	
64 Methylcyclohexane	83	5.917	5.917	0.000	91	401480	25.0	24.4	
65 1,2-Dichloropropane	63	6.051	6.051	0.000	90	216160	25.0	24.9	
67 Dibromomethane	93	6.185	6.185	0.000	89	152713	25.0	24.1	
66 1,4-Dioxane	88	6.191	6.191	0.000	46	72768	500.0	535.3	
68 Dichlorobromomethane	83	6.343	6.343	0.000	98	280827	25.0	24.1	
69 2-Chloroethyl vinyl ether	63	6.623	6.623	0.000	92	148748	25.0	24.4	
72 cis-1,3-Dichloropropene	75	6.757	6.757	0.000	87	334316	25.0	24.3	
73 4-Methyl-2-pentanone (MIBK)	43	6.903	6.903	0.000	97	1520304	125.0	131.1	
74 Toluene	92	7.043	7.043	0.000	88	539421	25.0	24.7	
77 trans-1,3-Dichloropropene	75	7.329	7.329	0.000	93	293475	25.0	24.8	
75 Ethyl methacrylate	69	7.371	7.371	0.000	84	277636	25.0	26.4	
79 1,1,2-Trichloroethane	83	7.517	7.517	0.000	93	161934	25.0	25.3	
81 Tetrachloroethene	166	7.572	7.572	0.000	84	236397	25.0	25.1	
82 1,3-Dichloropropane	76	7.682	7.682	0.000	93	322123	25.0	24.2	
80 2-Hexanone	43	7.743	7.743	0.000	94	947779	125.0	130.0	
83 Chlorodibromomethane	129	7.919	7.919	0.000	88	202740	25.0	25.7	
84 Ethylene Dibromide	107	8.022	8.022	0.000	97	200343	25.0	24.1	
87 Chlorobenzene	112	8.491	8.491	0.000	93	600047	25.0	24.7	
88 Ethylbenzene	91	8.582	8.582	0.000	98	1025811	25.0	25.1	
89 1,1,1,2-Tetrachloroethane	131	8.594	8.594	0.000	55	220771	25.0	25.2	
90 m-Xylene & p-Xylene	106	8.704	8.704	0.000	98	404755	25.0	24.7	
91 o-Xylene	106	9.136	9.136	0.000	97	420322	25.0	25.3	
92 Styrene	104	9.166	9.166	0.000	91	650246	25.0	25.2	
95 Bromoform	173	9.416	9.416	0.000	93	132213	25.0	25.0	
94 Isopropylbenzene	105	9.513	9.513	0.000	96	1111075	25.0	25.7	
101 Bromobenzene	156	9.866	9.866	0.000	93	259708	25.0	24.2	
97 1,1,2,2-Tetrachloroethane	83	9.927	9.927	0.000	75	305332	25.0	25.4	
99 N-Propylbenzene	91	9.939	9.939	0.000	98	1272486	25.0	24.9	
100 1,2,3-Trichloropropane	110	9.957	9.957	0.000	75	102068	25.0	24.7	
98 trans-1,4-Dichloro-2-buten	53	9.969	9.969	0.000	80	93310	25.0	24.3	
103 2-Chlorotoluene	126	10.048	10.048	0.000	96	261674	25.0	24.6	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	92	970243	25.0	25.4	
105 4-Chlorotoluene	126	10.158	10.158	0.000	97	256454	25.0	24.0	
106 tert-Butylbenzene	134	10.438	10.438	0.000	86	206183	25.0	25.9	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	46	985222	25.0	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.644	10.644	0.000	94	1225734	25.0	26.1	
110 4-Isopropyltoluene	119	10.784	10.784	0.000	97	1089738	25.0	25.5	
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	69	520047	25.0	25.0	
113 1,4-Dichlorobenzene	146	10.870	10.870	0.000	93	516236	25.0	24.2	
115 n-Butylbenzene	91	11.168	11.168	0.000	96	948713	25.0	25.3	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	92	552250	25.0	25.1	
117 1,2-Dibromo-3-Chloropropan	75	11.958	11.958	0.000	83	66365	25.0	24.6	
119 1,2,4-Trichlorobenzene	180	12.622	12.622	0.000	93	450490	25.0	26.7	
120 Hexachlorobutadiene	225	12.731	12.731	0.000	95	211349	25.0	26.5	
121 Naphthalene	128	12.841	12.841	0.000	97	1376762	25.0	26.9	
122 1,2,3-Trichlorobenzene	180	13.041	13.041	0.000	94	440096	25.0	26.0	

Reagents:

8260 CORP mix_00151	Amount Added: 12.50	Units: uL	
GAS CORP mix_00333	Amount Added: 12.50	Units: uL	
S_8260_IS_00316	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00309	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2848.D

Injection Date: 26-Mar-2019 16:39:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: ICIS 5

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

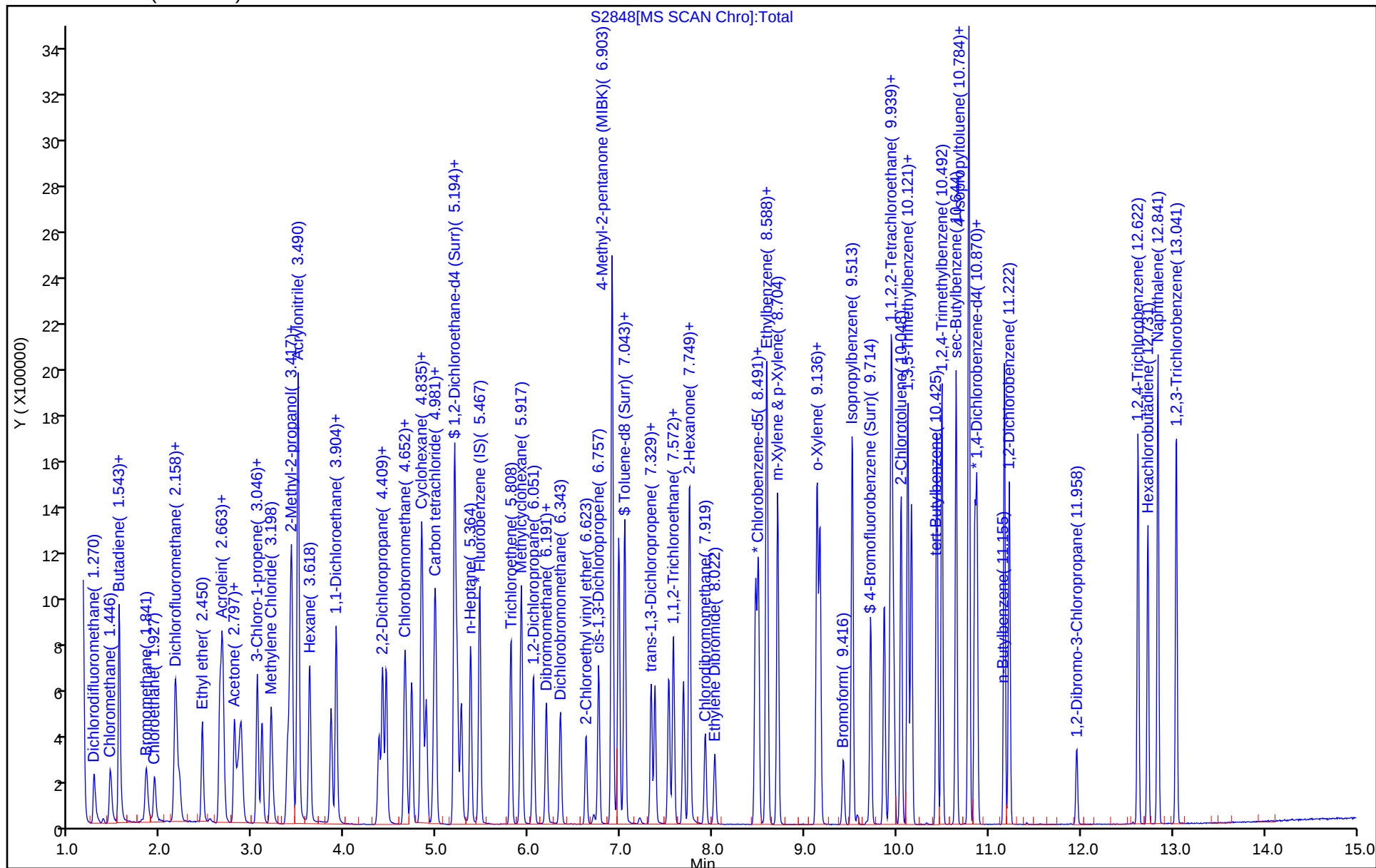
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2849.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 26-Mar-2019 17:03:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0079693-012
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 28-Mar-2019 12:19:18 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: carrolln

Date: 26-Mar-2019 23:10:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.461	5.467	-0.006	98	167922	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	87	337895	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	50	334327	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	64	233474	25.0	25.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.187	0.006	40	141569	25.0	25.0	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	76	831408	25.0	24.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.714	0.006	90	259828	25.0	25.1	
10 Dichlorodifluoromethane	85	1.276	1.276	0.000	88	488803	50.0	49.2	
12 Chloromethane	50	1.452	1.446	0.006	98	571493	50.0	47.0	
151 Butadiene	54	1.549	1.543	0.006	89	534929	50.0	48.1	
13 Vinyl chloride	62	1.549	1.549	0.000	59	540336	50.0	47.6	
14 Bromomethane	94	1.841	1.841	0.000	92	370411	50.0	47.1	
15 Chloroethane	64	1.933	1.927	0.006	95	356548	50.0	46.6	
16 Dichlorofluoromethane	67	2.158	2.158	0.000	81	805593	50.0	48.7	
17 Trichlorofluoromethane	101	2.170	2.164	0.006	67	728169	50.0	49.6	
18 Ethyl ether	59	2.450	2.450	0.000	92	489781	50.0	51.0	
20 Acrolein	56	2.638	2.638	0.000	99	701056	250.0	254.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.663	2.657	0.006	71	444567	50.0	53.2	
22 1,1-Dichloroethene	96	2.675	2.669	0.006	88	448254	50.0	52.9	
23 Acetone	43	2.797	2.797	0.000	99	1146182	250.0	255.8	
25 Iodomethane	142	2.845	2.839	0.006	100	780440	50.0	51.3	
26 Carbon disulfide	76	2.876	2.870	0.006	99	1480222	50.0	52.4	
28 3-Chloro-1-propene	41	3.046	3.046	0.000	86	828020	50.0	51.2	
27 Methyl acetate	43	3.101	3.101	0.000	98	1089074	100.0	99.6	
30 Methylene Chloride	84	3.198	3.198	0.000	90	517461	50.0	51.7	
31 2-Methyl-2-propanol	59	3.375	3.375	-0.001	96	932041	500.0	550.2	
32 Methyl tert-butyl ether	73	3.411	3.405	0.006	91	1595275	50.0	50.8	
34 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	93	524097	50.0	51.2	
33 Acrylonitrile	53	3.490	3.490	0.000	99	2906945	500.0	532.4	
35 Hexane	57	3.618	3.618	0.000	93	704207	50.0	54.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.849	3.849	0.000	85	912696	50.0	50.4	
37 Vinyl acetate	43	3.904	3.904	0.000	97	2492909	100.0	110.4	
44 2,2-Dichloropropane	77	4.372	4.372	0.000	92	456175	50.0	50.3	
45 cis-1,2-Dichloroethene	96	4.409	4.409	0.000	67	576286	50.0	50.8	
43 2-Butanone (MEK)	43	4.445	4.445	0.000	94	1671426	250.0	265.7	
48 Chlorobromomethane	128	4.646	4.646	0.000	93	300221	50.0	52.5	
49 Tetrahydrofuran	42	4.664	4.664	0.000	86	461140	100.0	105.5	
50 Chloroform	83	4.725	4.725	0.000	80	923695	50.0	50.9	
52 Cyclohexane	56	4.835	4.835	0.000	92	905490	50.0	53.1	
51 1,1,1-Trichloroethane	97	4.835	4.835	0.000	87	736943	50.0	51.6	
55 Carbon tetrachloride	117	4.968	4.968	0.000	81	655974	50.0	54.0	
54 1,1-Dichloropropene	75	4.987	4.987	0.000	93	697395	50.0	52.5	
57 Benzene	78	5.193	5.194	-0.001	98	2047361	50.0	52.8	
53 Isobutyl alcohol	43	5.218	5.218	0.000	93	913544	1250.0	1500.3	
58 1,2-Dichloroethane	62	5.266	5.267	-0.001	73	768402	50.0	49.0	
59 n-Heptane	43	5.364	5.364	0.000	91	664783	50.0	52.3	
62 Trichloroethene	95	5.802	5.802	0.000	97	519994	50.0	52.4	
64 Methylcyclohexane	83	5.917	5.917	0.000	92	923262	50.0	54.8	
65 1,2-Dichloropropane	63	6.051	6.051	0.000	91	470979	50.0	52.9	
67 Dibromomethane	93	6.185	6.185	0.000	91	326861	50.0	50.3	
66 1,4-Dioxane	88	6.191	6.191	0.000	44	154922	1000.0	1051.0	M
68 Dichlorobromomethane	83	6.343	6.343	0.000	93	639186	50.0	53.6	
69 2-Chloroethyl vinyl ether	63	6.623	6.623	0.000	91	343422	50.0	55.0	
72 cis-1,3-Dichloropropene	75	6.757	6.757	0.000	86	767596	50.0	54.4	
73 4-Methyl-2-pentanone (MIBK)	43	6.903	6.903	0.000	97	3378759	250.0	268.6	
74 Toluene	92	7.043	7.043	0.000	97	1235868	50.0	52.2	
77 trans-1,3-Dichloropropene	75	7.329	7.329	0.000	97	709938	50.0	55.4	
75 Ethyl methacrylate	69	7.371	7.371	0.000	84	633468	50.0	55.5	
79 1,1,2-Trichloroethane	83	7.517	7.517	0.000	88	362248	50.0	52.1	
81 Tetrachloroethene	166	7.572	7.572	0.000	80	525274	50.0	51.5	
82 1,3-Dichloropropane	76	7.682	7.682	0.000	93	747346	50.0	51.8	
80 2-Hexanone	43	7.749	7.743	0.006	94	2155219	250.0	272.6	
83 Chlorodibromomethane	129	7.919	7.919	0.000	86	472391	50.0	55.2	
84 Ethylene Dibromide	107	8.022	8.022	0.000	99	466293	50.0	51.6	
87 Chlorobenzene	112	8.491	8.491	0.000	93	1358405	50.0	51.6	
88 Ethylbenzene	91	8.582	8.582	0.000	98	2340300	50.0	52.7	
89 1,1,1,2-Tetrachloroethane	131	8.594	8.594	0.000	48	496424	50.0	52.3	
90 m-Xylene & p-Xylene	106	8.704	8.704	0.000	99	920538	50.0	51.7	
91 o-Xylene	106	9.136	9.136	0.000	97	943876	50.0	52.4	
92 Styrene	104	9.166	9.166	0.000	92	1503227	50.0	53.7	
95 Bromoform	173	9.415	9.416	-0.001	96	315306	50.0	55.1	
94 Isopropylbenzene	105	9.513	9.513	0.000	96	2507971	50.0	54.3	
101 Bromobenzene	156	9.866	9.866	0.000	93	591671	50.0	51.6	
97 1,1,2,2-Tetrachloroethane	83	9.927	9.927	-0.001	69	673065	50.0	52.6	
99 N-Propylbenzene	91	9.945	9.939	0.006	98	2863537	50.0	52.7	
100 1,2,3-Trichloropropane	110	9.957	9.957	0.000	70	227945	50.0	51.7	
98 trans-1,4-Dichloro-2-buten	53	9.969	9.969	0.000	78	217218	50.0	53.1	
103 2-Chlorotoluene	126	10.048	10.048	0.000	96	581289	50.0	51.3	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	84	2162797	50.0	53.1	
105 4-Chlorotoluene	126	10.158	10.158	0.000	96	569785	50.0	50.1	
106 tert-Butylbenzene	134	10.438	10.438	0.000	90	474720	50.0	56.0	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	33	2200275	50.0	53.6	

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	10.644	10.644	0.000	93	2784257	50.0	55.7	
110 4-Isopropyltoluene	119	10.784	10.784	0.000	96	2452736	50.0	53.9	
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	68	1160545	50.0	52.5	
113 1,4-Dichlorobenzene	146	10.869	10.870	-0.001	94	1169188	50.0	51.5	
115 n-Butylbenzene	91	11.168	11.168	0.000	95	2140272	50.0	53.7	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	93	1212424	50.0	51.7	
117 1,2-Dibromo-3-Chloropropan	75	11.952	11.958	-0.006	76	153792	50.0	53.4	
119 1,2,4-Trichlorobenzene	180	12.622	12.622	0.000	94	956818	50.0	53.2	
120 Hexachlorobutadiene	225	12.731	12.731	0.000	95	465710	50.0	54.7	
121 Naphthalene	128	12.841	12.841	0.000	96	3017487	50.0	55.3	
122 1,2,3-Trichlorobenzene	180	13.041	13.041	0.000	95	963848	50.0	53.4	
S 124 Xylenes, Total	1				0			104.1	
S 123 Total BTEX	1				0			261.9	
S 126 1,3-Dichloropropene, Total	1				0			109.8	
S 125 1,2-Dichloroethene, Total	1				0			102.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00151

Amount Added: 25.00

Units: uL

GAS CORP mix_00333

Amount Added: 25.00

Units: uL

S_8260_IS_00316

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00309

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2849.D

Injection Date: 26-Mar-2019 17:03:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC 6

Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL

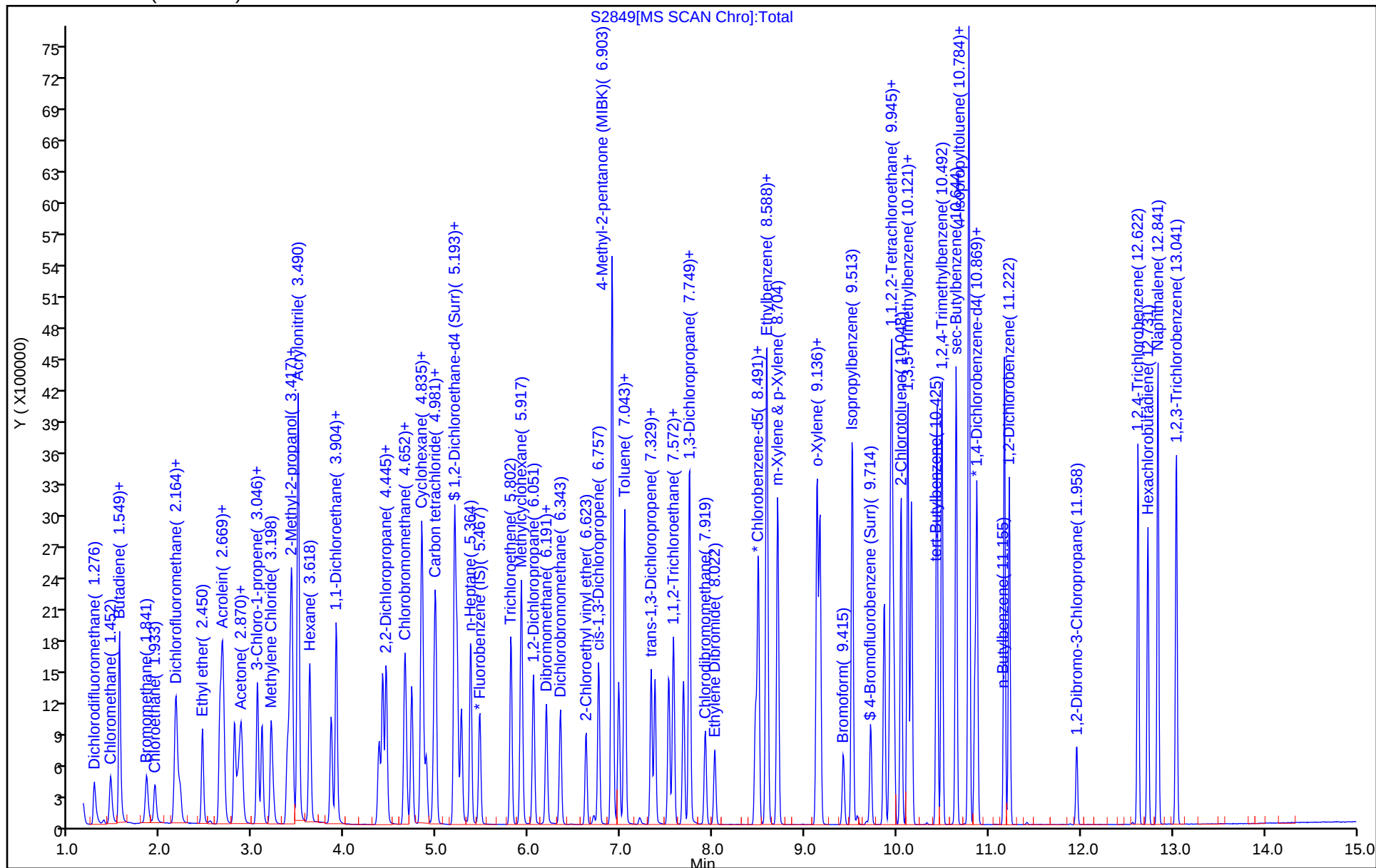
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



TestAmerica Buffalo

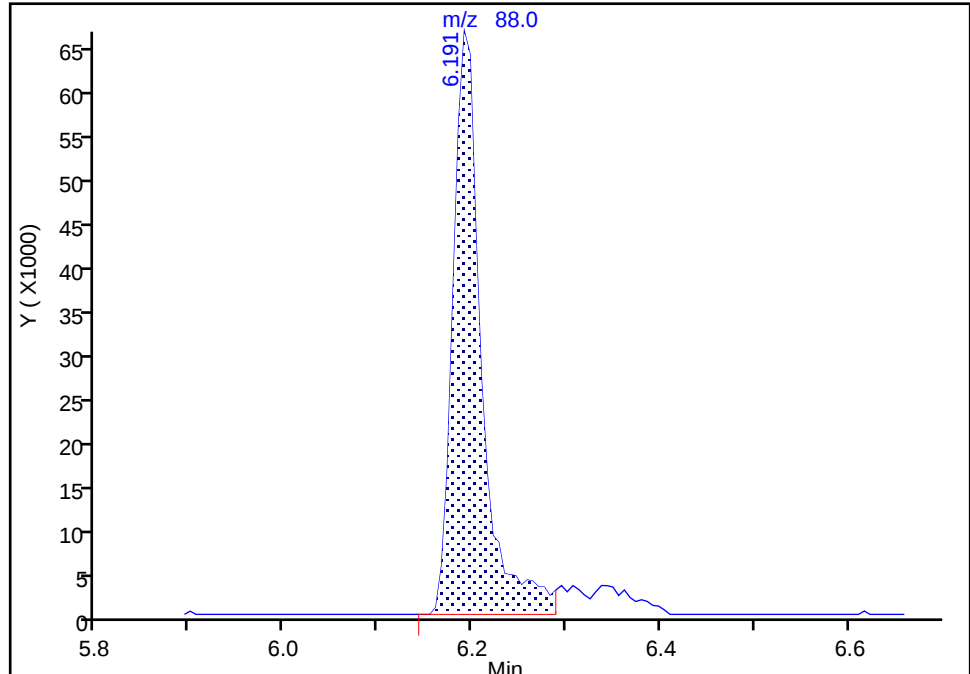
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Injection Date: 26-Mar-2019 17:03:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

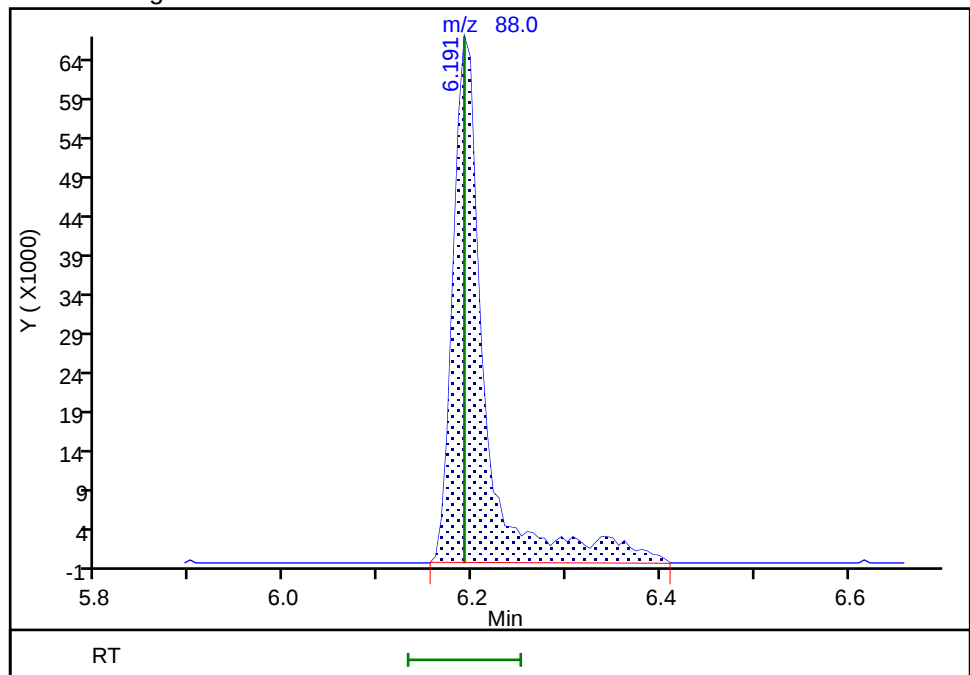
RT: 6.19
Area: 139882
Amount: 963.3864
Amount Units: ug/L

Processing Integration Results



RT: 6.19
Area: 154922
Amount: 1051.0100
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 28-Mar-2019 11:42:51
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 320 of 543

05/17/2019

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2850.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 26-Mar-2019 17:26:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0079693-013
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 28-Mar-2019 12:19:29 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: carrolln

Date: 26-Mar-2019 23:12:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	175005	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	85	346238	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	41	346883	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	57	235313	25.0	24.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.194	5.187	0.007	40	148889	25.0	25.2	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	47	859704	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	9.714	9.714	0.000	89	272746	25.0	25.7	
10 Dichlorodifluoromethane	85	1.276	1.276	0.000	88	989531	100.0	95.5	
12 Chloromethane	50	1.452	1.446	0.006	89	1149322	100.0	90.7	
151 Butadiene	54	1.549	1.543	0.006	89	1092054	100.0	94.1	
13 Vinyl chloride	62	1.549	1.549	0.000	60	1108181	100.0	93.6	
14 Bromomethane	94	1.841	1.841	0.000	92	743468	100.0	90.7	
15 Chloroethane	64	1.933	1.927	0.006	99	711267	100.0	89.2	
16 Dichlorofluoromethane	67	2.158	2.158	0.000	82	1635696	100.0	94.8	
17 Trichlorofluoromethane	101	2.170	2.164	0.006	67	1480241	100.0	96.8	
18 Ethyl ether	59	2.450	2.450	0.000	91	970370	100.0	96.9	
20 Acrolein	56	2.638	2.638	0.000	99	1366405	500.0	475.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.663	2.657	0.006	75	803602	100.0	92.4	
22 1,1-Dichloroethene	96	2.675	2.669	0.006	89	834734	100.0	94.6	
23 Acetone	43	2.797	2.797	0.000	98	2205140	500.0	472.1	
25 Iodomethane	142	2.845	2.839	0.006	99	1542118	100.0	97.2	
26 Carbon disulfide	76	2.876	2.870	0.006	99	2831719	100.0	96.2	
28 3-Chloro-1-propene	41	3.046	3.046	0.000	86	1595704	100.0	94.7	
27 Methyl acetate	43	3.095	3.101	-0.006	96	2145598	200.0	188.2	
30 Methylene Chloride	84	3.198	3.198	0.000	90	1017175	100.0	98.1	
31 2-Methyl-2-propanol	59	3.375	3.375	0.000	96	1800746	1000.0	1020.1	
32 Methyl tert-butyl ether	73	3.411	3.405	0.006	91	3238756	100.0	98.9	
34 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	92	1006825	100.0	94.4	
33 Acrylonitrile	53	3.490	3.490	0.000	98	5673848	1000.0	997.0	
35 Hexane	57	3.618	3.618	0.000	92	1303455	100.0	97.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.849	3.849	0.000	86	1805520	100.0	95.6	
37 Vinyl acetate	43	3.904	3.904	0.000	97	5217426	200.0	221.6	
44 2,2-Dichloropropane	77	4.372	4.372	0.000	91	871813	100.0	92.2	
45 cis-1,2-Dichloroethene	96	4.409	4.409	0.000	80	1129068	100.0	95.4	
43 2-Butanone (MEK)	43	4.445	4.445	0.000	95	3313340	500.0	505.5	
48 Chlorobromomethane	128	4.646	4.646	0.000	94	603499	100.0	101.3	
49 Tetrahydrofuran	42	4.664	4.664	0.000	87	899918	200.0	197.6	
50 Chloroform	83	4.725	4.725	0.000	81	1804999	100.0	95.5	
52 Cyclohexane	56	4.841	4.835	0.006	91	1667238	100.0	93.9	
51 1,1,1-Trichloroethane	97	4.835	4.835	0.000	86	1449051	100.0	97.3	
55 Carbon tetrachloride	117	4.968	4.968	0.000	82	1281425	100.0	101.3	
54 1,1-Dichloropropene	75	4.987	4.987	0.000	93	1348523	100.0	97.4	
57 Benzene	78	5.194	5.194	0.000	97	4092259	100.0	101.4	
53 Isobutyl alcohol	43	5.218	5.218	0.000	93	1798648	2500.0	2834.3	
58 1,2-Dichloroethane	62	5.267	5.267	-0.001	79	1541016	100.0	94.4	
59 n-Heptane	43	5.364	5.364	0.000	91	1295462	100.0	97.8	
62 Trichloroethene	95	5.802	5.802	0.000	96	1015058	100.0	98.2	
64 Methylcyclohexane	83	5.917	5.917	0.000	91	1692620	100.0	96.4	
65 1,2-Dichloropropane	63	6.051	6.051	0.000	90	950395	100.0	102.4	
67 Dibromomethane	93	6.191	6.185	0.006	89	668281	100.0	98.7	
66 1,4-Dioxane	88	6.191	6.191	0.000	43	288349	2000.0	1909.1	M
68 Dichlorobromomethane	83	6.343	6.343	0.000	93	1324927	100.0	106.5	
69 2-Chloroethyl vinyl ether	63	6.623	6.623	0.000	92	697940	100.0	107.3	
72 cis-1,3-Dichloropropene	75	6.757	6.757	0.000	89	1594216	100.0	108.3	
73 4-Methyl-2-pentanone (MIBK)	43	6.903	6.903	0.000	97	6844902	500.0	531.0	
74 Toluene	92	7.043	7.043	0.000	92	2467502	100.0	101.8	
77 trans-1,3-Dichloropropene	75	7.329	7.329	0.000	93	1476129	100.0	112.4	
75 Ethyl methacrylate	69	7.371	7.371	0.000	84	1318433	100.0	112.8	
79 1,1,2-Trichloroethane	83	7.524	7.517	0.007	93	713286	100.0	100.2	
81 Tetrachloroethene	166	7.572	7.572	0.000	80	1030418	100.0	98.6	
82 1,3-Dichloropropane	76	7.682	7.682	0.000	93	1521513	100.0	103.0	
80 2-Hexanone	43	7.749	7.743	0.006	93	4279517	500.0	528.2	
83 Chlorodibromomethane	129	7.919	7.919	0.000	88	993826	100.0	113.4	
84 Ethylene Dibromide	107	8.022	8.022	0.000	97	951946	100.0	102.9	
87 Chlorobenzene	112	8.497	8.491	0.006	94	2751958	100.0	102.0	
88 Ethylbenzene	91	8.582	8.582	0.000	98	4670055	100.0	102.7	
89 1,1,1,2-Tetrachloroethane	131	8.594	8.594	0.000	47	1024185	100.0	105.2	
90 m-Xylene & p-Xylene	106	8.704	8.704	0.000	99	1830812	100.0	100.3	
91 o-Xylene	106	9.136	9.136	0.000	97	1871869	100.0	101.4	
92 Styrene	104	9.166	9.166	0.000	92	3063810	100.0	106.8	
95 Bromoform	173	9.422	9.416	0.006	95	677237	100.0	115.4	
94 Isopropylbenzene	105	9.519	9.513	0.006	95	5012334	100.0	104.7	
101 Bromobenzene	156	9.866	9.866	0.000	93	1201896	100.0	101.1	
97 1,1,2,2-Tetrachloroethane	83	9.927	9.927	0.000	79	1340703	100.0	101.1	
99 N-Propylbenzene	91	9.945	9.939	0.006	98	5766976	100.0	102.2	
100 1,2,3-Trichloropropane	110	9.957	9.957	0.000	68	447271	100.0	97.8	
98 trans-1,4-Dichloro-2-buten	53	9.969	9.969	0.000	78	445671	100.0	105.0	
103 2-Chlorotoluene	126	10.048	10.048	0.000	96	1150415	100.0	97.8	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	84	4388210	100.0	103.8	
105 4-Chlorotoluene	126	10.158	10.158	0.000	97	1154471	100.0	97.8	
106 tert-Butylbenzene	134	10.438	10.438	0.000	90	960307	100.0	109.1	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	48	4451594	100.0	104.6	

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	10.644	10.644	0.000	94	5600196	100.0	107.9	
110 4-Isopropyltoluene	119	10.784	10.784	0.000	97	4947820	100.0	104.7	
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	68	2346549	100.0	102.2	
113 1,4-Dichlorobenzene	146	10.869	10.870	-0.001	94	2416649	100.0	102.6	
115 n-Butylbenzene	91	11.168	11.168	0.000	95	4299672	100.0	103.9	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	93	2450448	100.0	100.7	
117 1,2-Dibromo-3-Chloropropan	75	11.958	11.958	0.000	86	320955	100.0	107.4	
119 1,2,4-Trichlorobenzene	180	12.622	12.622	0.000	90	1798158	100.0	96.4	
120 Hexachlorobutadiene	225	12.731	12.731	0.000	96	826821	100.0	93.7	
121 Naphthalene	128	12.841	12.841	0.000	96	5657120	100.0	100.0	
122 1,2,3-Trichlorobenzene	180	13.041	13.041	0.000	93	1712085	100.0	91.4	
S 124 Xylenes, Total	1				0			201.7	
S 123 Total BTEX	1				0			507.5	
S 126 1,3-Dichloropropene, Total	1				0			220.7	
S 125 1,2-Dichloroethene, Total	1				0			189.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00151

Amount Added: 50.00

Units: uL

GAS CORP mix_00333

Amount Added: 50.00

Units: uL

S_8260_IS_00316

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00309

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2850.D

Injection Date: 26-Mar-2019 17:26:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC 7

Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL

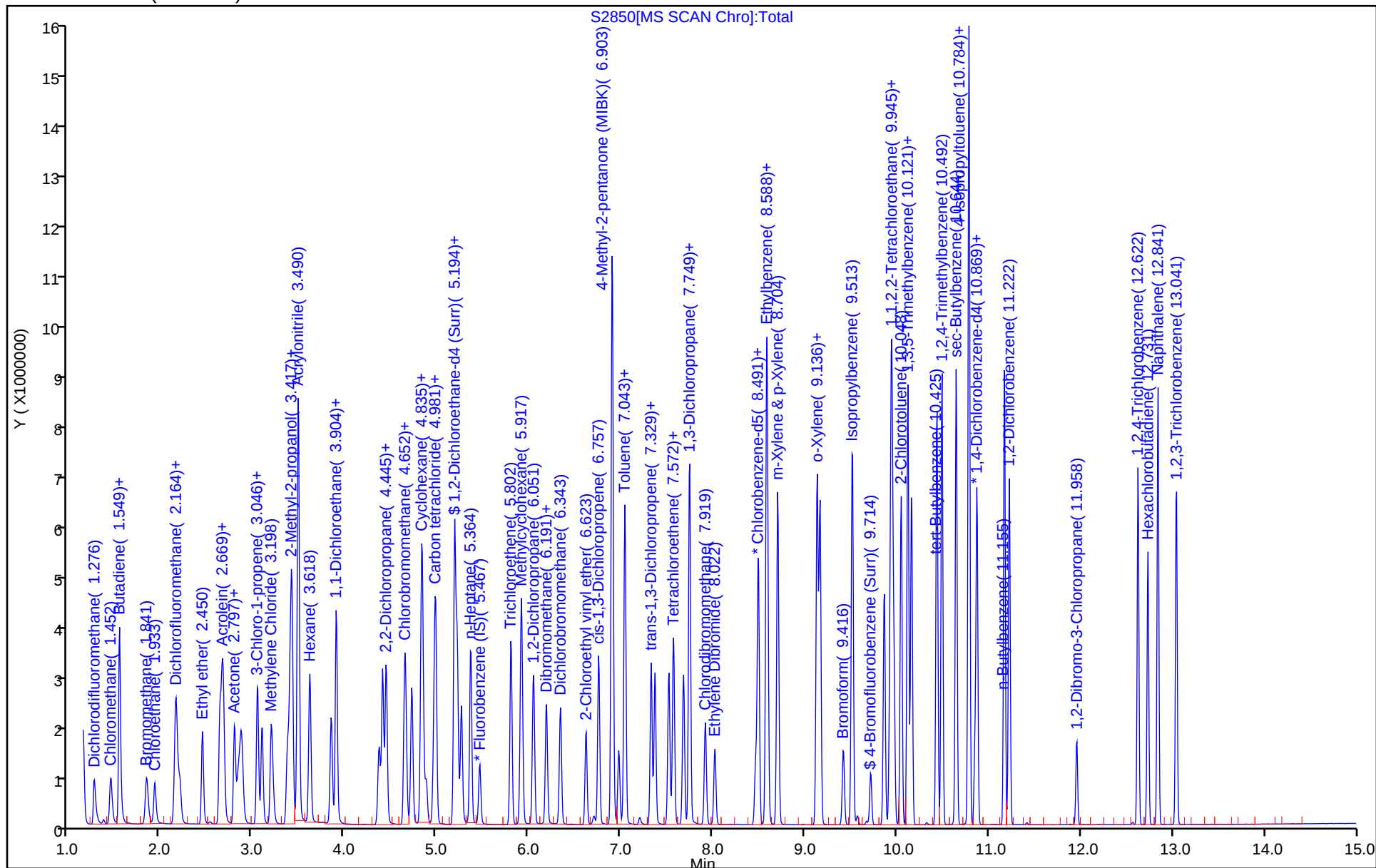
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



TestAmerica Buffalo

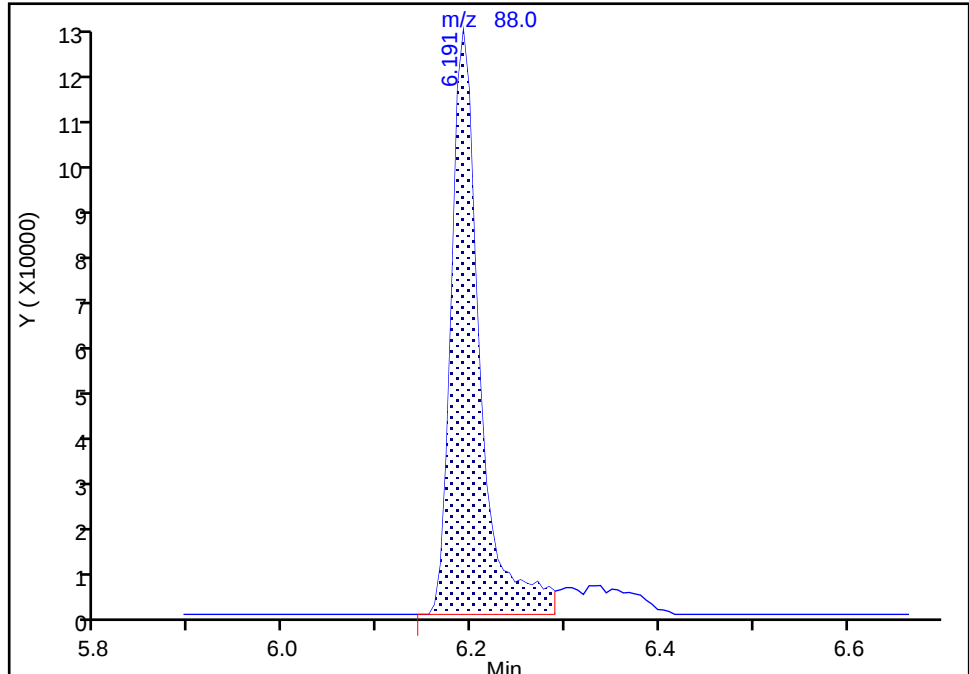
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2850.D
Injection Date: 26-Mar-2019 17:26:30 Instrument ID: HP5973S
Lims ID: IC 7
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

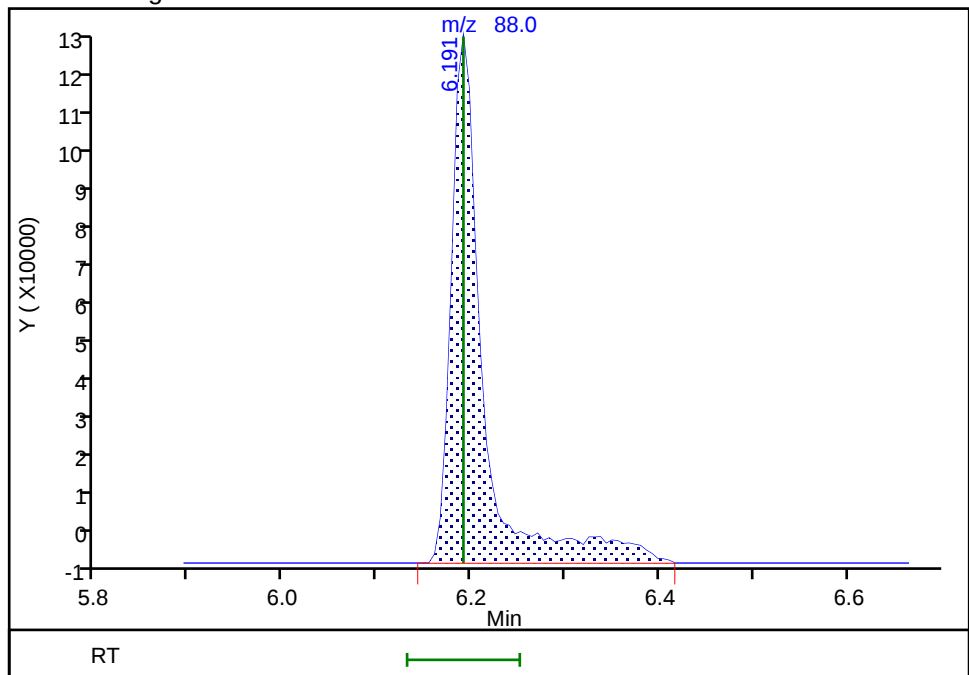
RT: 6.19
Area: 257044
Amount: 1727.3713
Amount Units: ug/L

Processing Integration Results



RT: 6.19
Area: 288349
Amount: 1909.0584
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 28-Mar-2019 11:43:54

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1 Analy Batch No.: 468875

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 17:06 Calibration End Date: 04/19/2019 19:57 Calibration ID: 36718

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-468875/5	T0007.D
Level 2	IC 480-468875/6	T0008.D
Level 3	IC 480-468875/7	T0009.D
Level 4	IC 480-468875/8	T0010.D
Level 5	IC 480-468875/9	T0011.D
Level 6	ICIS 480-468875/10	T0012.D
Level 7	IC 480-468875/11	T0013.D
Level 8	IC 480-468875/12	T0014.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	1.3356 1.2648	1.1710 1.3719	1.8868 1.2583	1.2975	1.2649	Ave		1.3564			0.1000	16.4		20.0			
Chloromethane	++++ 1.6192	2.1354 1.6309	1.9366 1.5119	1.8897	1.7036	Ave		1.7753			0.1000	12.4		20.0			
Butadiene	1.6256 1.3612	1.6190 1.4441	1.6419 1.3459	1.5414	1.5115	Ave		1.5113				7.8		20.0			
Vinyl chloride	2.0832 1.4412	1.6649 1.4726	1.7026 1.4285	1.5939	1.5006	Ave		1.6109			0.1000	13.4		20.0			
Bromomethane	1.7082 1.2745	1.4360 1.2031	1.3448 1.1041	1.4374	1.3582	Ave		1.3583			0.1000	13.4		20.0			
Chloroethane	++++ 0.9380	1.4201 0.9600	1.0832 0.8753	1.0858	1.1773	Lin1	0.6310	0.9085			0.1000				0.9950		0.9900
Dichlorofluoromethane	++++ 2.1834	2.7528 2.2171	2.5112 2.0809	2.5360	2.4160	Ave		2.3853				9.9		20.0			
Trichlorofluoromethane	2.7762 2.1124	2.8575 2.2765	2.7498 2.0544	2.4224	2.4407	Ave		2.4612			0.1000	12.5		20.0			
Ethyl ether	1.3539 1.0063	1.2422 1.0272	1.1888 0.9826	1.1660	1.0346	Ave		1.1252				11.8		20.0			
Acrolein	0.2654 0.2034	0.1876 0.1952	0.2188 0.1832	0.1938	0.2209	Ave		0.2085				12.8		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0042 1.0104	1.1863 1.1690	1.2559 1.1576	1.1771	0.8656	Ave		1.1033			0.1000	11.8		20.0			
1,1-Dichloroethene	1.3195 1.0053	1.3285 1.1124	1.3207 1.0663	1.1929	0.9749	Ave		1.1651			0.1000	12.6		20.0			
Acetone	0.4263 0.3459	0.3861 0.3361	0.3841 0.3194	0.3423	0.3667	Ave		0.3634			0.1000	9.5		20.0			
Iodomethane	2.4835 2.0097	2.5119 2.1392	2.2057 2.0748	2.2516	2.0350	Ave		2.2139				8.7		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.: 480-152909-1 Analy Batch No.: 468875
SDG No.: _____
Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/19/2019 17:06 Calibration End Date: 04/19/2019 19:57 Calibration ID: 36718

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								
Carbon disulfide	4.0858 3.6966	3.9187 4.1470	3.9773 4.0172	4.1390	3.5572	Ave		3.9423			0.1000	5.4		20.0			
Allyl chloride	2.5620 1.8726	2.5652 2.0537	2.1940 1.9992	1.9894	1.8535	Ave		2.1362				13.3		20.0			
Methyl acetate	0.9791 0.8997	1.0270 0.9065	0.8758 0.8452	0.9547	0.9599	Ave		0.9310			0.1000	6.4		20.0			
Methylene Chloride	++++ 1.3517	1.8768 1.3996	1.6693 1.3258	1.4286	1.3679	Ave		1.4885			0.1000	13.8		20.0			
2-Methyl-2-propanol	0.0969 0.0836	0.0920 0.0903	0.0703 0.0916	0.0688	0.0727	Ave		0.0833				13.4		20.0			
trans-1,2-Dichloroethene	1.5943 1.1811	1.4695 1.2983	1.4729 1.2514	1.3196	1.2745	Ave		1.3577			0.1000	10.3		20.0			
Methyl tert-butyl ether	3.2627 3.2704	3.4751 3.2568	3.3269 3.0585	3.4037	3.4147	Ave		3.3086			0.1000	3.9		20.0			
Acrylonitrile	0.4535 0.4758	0.5305 0.4589	0.5128 0.4373	0.4460	0.4944	Ave		0.4762				7.0		20.0			
Hexane	1.9446 1.6109	2.0495 1.8946	1.8240 1.8384	1.8485	1.3974	Ave		1.8010				11.4		20.0			
1,1-Dichloroethane	2.1341 2.1037	2.5617 2.2557	2.5574 2.1747	2.2274	2.1809	Ave		2.2745			0.2000	8.0		20.0			
Vinyl acetate	1.8629 2.1508	2.0640 2.3361	2.0115 2.3928	1.9283	2.0442	Ave		2.0988				8.9		20.0			
2,2-Dichloropropane	1.3549 1.4508	1.6367 1.6277	1.6849 1.5921	1.6754	1.4717	Ave		1.5618				7.7		20.0			
cis-1,2-Dichloroethene	1.4378 1.3673	1.6629 1.4610	1.5724 1.3764	1.4474	1.4743	Ave		1.4750			0.1000	6.7		20.0			
2-Butanone (MEK)	0.6802 0.5367	0.5816 0.5475	0.6026 0.5173	0.5739	0.5672	Ave		0.5759			0.1000	8.7		20.0			
Chlorobromomethane	0.7435 0.7033	0.7661 0.7597	0.7779 0.7315	0.7778	0.7131	Ave		0.7466				3.8		20.0			
Tetrahydrofuran	0.4377 0.3629	0.3360 0.3631	0.4459 0.3480	0.3820	0.4061	Ave		0.3852				10.6		20.0			
Chloroform	3.4671 2.1679	3.3623 2.3316	2.7659 2.2026	2.5011	2.3669	Lin1	0.7597	2.2307			0.2000				0.9990		0.9900
1,1,1-Trichloroethane	1.4601 1.5698	1.6289 1.8164	1.6143 1.8140	1.6928	1.4474	Ave		1.6304			0.1000	8.6		20.0			
Cyclohexane	2.0495 2.0160	2.0696 2.2547	2.3562 2.2045	2.3480	1.7551	Ave		2.1317			0.1000	9.4		20.0			
Carbon tetrachloride	0.8781 0.9912	1.1714 1.2789	1.0850 1.3538	1.0896	0.9030	Ave		1.0939			0.1000	15.5		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.: 480-152909-1 Analy Batch No.: 468875
SDG No.: _____
Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/19/2019 17:06 Calibration End Date: 04/19/2019 19:57 Calibration ID: 36718

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-Dichloropropene	2.0451 1.5617	1.8493 1.7489	1.8241 1.6727	1.7520	1.4562	Ave		1.7388				10.4		20.0			
Benzene	5.5280 4.8023	5.5331 5.0721	5.6925 4.7904	5.4687	4.8542	Ave		5.2177			0.5000	7.2		20.0			
Isobutyl alcohol	++++ 0.0290	0.0253 0.0331	0.0287 0.0389	0.0233	0.0280	Ave		0.0295				17.6		20.0			
1,2-Dichloroethane	2.0212 1.7675	2.0776 1.8087	2.0488 1.7058	1.9413	1.8627	Ave		1.9042			0.1000	7.3		20.0			
n-Heptane	1.8387 1.7404	2.4168 2.1293	2.1935 1.9617	2.0539	1.6556	Ave		1.9987				12.6		20.0			
Trichloroethene	1.4149 1.2212	1.2788 1.3655	1.4713 1.2818	1.3977	1.2293	Ave		1.3326			0.2000	6.9		20.0			
Methylcyclohexane	1.8927 1.9482	2.2495 2.2752	2.2753 2.1824	2.2062	1.6838	Ave		2.0892			0.1000	10.6		20.0			
1,2-Dichloropropane	1.0595 1.2465	1.4653 1.3051	1.2050 1.2685	1.3248	1.3427	Ave		1.2772			0.1000	9.2		20.0			
1,4-Dioxane	0.0008 0.0036	0.0026 0.0033	0.0023 0.0031	0.0036	0.0033	Lin1	-0.017	0.0033							0.9970		0.9900
Dibromomethane	0.7931 0.8000	0.8237 0.8520	0.8508 0.8082	0.8559	0.8916	Ave		0.8344			0.1000	4.1		20.0			
Bromodichloromethane	1.9483 1.3637	1.5717 1.4934	1.4539 1.5211	1.3823	1.3402	Ave		1.5093			0.2000	12.9		20.0			
2-Chloroethyl vinyl ether	0.7435 0.8261	0.7401 0.8621	0.9700 0.8265	0.8707	0.9226	Ave		0.8452				9.4		20.0			
cis-1,3-Dichloropropene	1.3539 1.8369	1.8670 1.9715	1.6617 1.8815	1.7408	1.7844	Ave		1.7622			0.2000	10.8		20.0			
4-Methyl-2-pentanone (MIBK)	0.2679 0.3322	0.3027 0.3033	0.3192 0.3038	0.3215	0.3277	Ave		0.3098			0.1000	6.6		20.0			
Toluene	0.9539 0.8372	0.8444 0.8211	0.9123 0.8022	0.9027	0.7710	Ave		0.8556			0.4000	7.2		20.0			
trans-1,3-Dichloropropene	0.4178 0.4424	0.3623 0.4327	0.4165 0.4394	0.4094	0.3967	Ave		0.4146			0.1000	6.3		20.0			
Ethyl methacrylate	0.3205 0.3258	0.2394 0.3414	0.2851 0.3608	0.2828	0.3048	Ave		0.3076				12.4		20.0			
1,1,2-Trichloroethane	0.2535 0.2723	0.2496 0.2473	0.2714 0.2345	0.2501	0.2604	Ave		0.2549			0.1000	5.0		20.0			
Tetrachloroethene	0.3097 0.3335	0.3856 0.3386	0.3281 0.3340	0.3675	0.2845	Ave		0.3352			0.2000	9.3		20.0			
1,3-Dichloropropane	0.4766 0.5233	0.4623 0.4898	0.5100 0.4791	0.5527	0.5224	Ave		0.5020				6.0		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.: 480-152909-1 Analy Batch No.: 468875
SDG No.: _____
Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/19/2019 17:06 Calibration End Date: 04/19/2019 19:57 Calibration ID: 36718

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								
2-Hexanone	0.1613 0.2239	0.1954 0.2042	0.1911 0.2021	0.2060	0.2127	Ave		0.1996			0.1000	9.3		20.0			
Dibromochloromethane	0.1563 0.2261	0.2334 0.2408	0.1811 0.2639	0.1954	0.1900	Ave		0.2109			0.1000	17.0		20.0			
1,2-Dibromoethane	0.2746 0.3162	0.2918 0.2868	0.2930 0.2902	0.3156	0.2894	Ave		0.2947				4.8		20.0			
Chlorobenzene	1.0957 0.9613	1.1009 0.9222	0.9614 0.8883	1.0655	0.9094	Ave		0.9881			0.5000	8.7		20.0			
Ethylbenzene	1.6177 1.5571	1.6128 1.5354	1.7167 1.4830	1.7385	1.4327	Ave		1.5867			0.1000	6.7		20.0			
1,1,1,2-Tetrachloroethane	++++ 0.2382	0.2843 0.2577	0.2334 0.2791	0.2094	0.2023	Ave		0.2435				13.1		20.0			
m,p-Xylene	0.6710 0.6064	0.6396 0.6152	0.6355 0.5965	0.6733	0.5875	Ave		0.6281			0.1000	5.2		20.0			
o-Xylene	0.5039 0.6129	0.5897 0.6074	0.6475 0.5914	0.6745	0.6292	Ave		0.6071			0.3000	8.3		20.0			
Styrene	0.9666 1.0475	1.0277 1.0336	1.0835 1.0201	1.1024	1.0078	Ave		1.0361			0.3000	4.1		20.0			
Bromoform	0.0846 0.1085	0.0885 0.1094	0.0867 0.1408	0.0827	0.0987	Ave		0.1000		*	0.1000	19.5		20.0			
Isopropylbenzene	2.7494 2.8038	2.9396 3.1012	3.0069 2.8642	3.2628	2.7088	Ave		2.9296			0.1000	6.4		20.0			
Bromobenzene	0.8894 0.7494	0.7645 0.7634	0.7933 0.7196	0.7234	0.7326	Ave		0.7670				7.2		20.0			
1,1,2,2-Tetrachloroethane	0.6249 0.7031	0.7166 0.7070	0.6592 0.6796	0.7535	0.6952	Ave		0.6924			0.3000	5.6		20.0			
N-Propylbenzene	3.5746 3.4190	3.7065 3.7156	3.9682 3.4489	4.1164	3.3090	Ave		3.6573				7.6		20.0			
1,2,3-Trichloropropane	0.2500 0.2438	0.2706 0.2273	0.2620 0.2128	0.2267	0.2269	Ave		0.2400				8.3		20.0			
trans-1,4-Dichloro-2-butene	0.2249 0.2072	0.2024 0.2054	0.1735 0.2007	0.1992	0.2016	Ave		0.2019				7.0		20.0			
2-Chlorotoluene	0.9302 0.7142	0.7781 0.7530	0.7641 0.7080	0.7480	0.7031	Ave		0.7623				9.6		20.0			
1,3,5-Trimethylbenzene	2.5662 2.4984	2.7312 2.6645	2.6700 2.4669	2.8593	2.3505	Ave		2.6009				6.2		20.0			
4-Chlorotoluene	2.3884 2.1466	2.5660 2.2416	2.2540 2.0613	2.3052	2.0353	Ave		2.2498				7.8		20.0			
tert-Butylbenzene	0.3961 0.5489	0.6341 0.5888	0.6483 0.5417	0.5997	0.5148	Ave		0.5590				14.4		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
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1 Analy Batch No.: 468875
SDG No.: _____
Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/19/2019 17:06 Calibration End Date: 04/19/2019 19:57 Calibration ID: 36718

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								
1,2,4-Trimethylbenzene	2.5330 2.5451	2.9590 2.6768	2.6912 2.4840	2.6831	2.4398	Ave		2.6265				6.3		20.0			
sec-Butylbenzene	2.8991 3.0603	3.1628 3.4375	3.4083 3.2190	3.5040	2.9174	Ave		3.2010				7.3		20.0			
4-Isopropyltoluene	2.5263 2.6147	2.6920 2.9139	3.0309 2.7234	2.9079	2.4443	Ave		2.7317				7.5		20.0			
1,3-Dichlorobenzene	1.6929 1.4129	1.6138 1.5017	1.5317 1.4020	1.4995	1.4013	Ave		1.5070			0.6000	7.0		20.0			
1,4-Dichlorobenzene	1.4588 1.4159	1.6133 1.4969	1.7029 1.4176	1.6008	1.4432	Ave		1.5187			0.5000	7.0		20.0			
n-Butylbenzene	2.3260 2.5047	2.8380 2.7844	2.9296 2.5713	2.8981	2.2658	Ave		2.6397				9.8		20.0			
1,2-Dichlorobenzene	1.4208 1.4522	1.6083 1.4548	1.5189 1.3986	1.5119	1.3573	Ave		1.4653			0.4000	5.4		20.0			
1,2-Dibromo-3-Chloropropane	++++ 0.0841	0.1175 0.0882	0.0785 0.1025	0.0690	0.0754	Ave		0.0879			0.0500	19.2		20.0			
1,2,4-Trichlorobenzene	1.1614 1.0551	1.0476 1.0750	1.1391 1.0189	1.0682	1.0184	Ave		1.0730			0.2000	4.9		20.0			
Hexachlorobutadiene	0.4298 0.4391	0.4245 0.5016	0.5069 0.4811	0.5195	0.3847	Ave		0.4609				10.4		20.0			
Naphthalene	2.4242 2.6802	2.3047 2.6194	2.6542 2.4920	2.6456	2.4986	Ave		2.5399				5.2		20.0			
1,2,3-Trichlorobenzene	1.0786 1.0055	1.0844 1.0165	1.0172 0.9786	1.0238	1.0311	Ave		1.0295				3.5		20.0			
Dibromofluoromethane (Surr)	1.2473 1.2910	1.2958 1.3399	1.3177 1.3312	1.2509	1.3167	Ave		1.2988				2.7		20.0			
1,2-Dichloroethane-d4 (Surr)	1.4455 1.4664	1.5890 1.5144	1.5595 1.4708	1.4430	1.5923	Ave		1.5101				4.2		20.0			
Toluene-d8 (Surr)	1.2973 1.3614	1.3546 1.3085	1.3595 1.2639	1.3631	1.3171	Ave		1.3282				2.8		20.0			
4-Bromofluorobenzene (Surr)	0.3849 0.4137	0.3948 0.3852	0.3966 0.3874	0.4049	0.3883	Ave		0.3945				2.6		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1 Analy Batch No.: 468875

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 17:06 Calibration End Date: 04/19/2019 19:57 Calibration ID: 36718

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-468875/5	T0007.D
Level 2	IC 480-468875/6	T0008.D
Level 3	IC 480-468875/7	T0009.D
Level 4	IC 480-468875/8	T0010.D
Level 5	IC 480-468875/9	T0011.D
Level 6	ICIS 480-468875/10	T0012.D
Level 7	IC 480-468875/11	T0013.D
Level 8	IC 480-468875/12	T0014.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	3961 232407	8042 485244	26077 910864	48320	87781	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	++++ 297517	14665 576828	26765 1094487	70376	118229	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	4821 250109	11119 510756	22692 974291	57405	104896	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	6178 264818	11434 520870	23531 1034055	59358	104137	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	5066 234183	9862 425533	18586 799227	53531	94257	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Lin1	++++ 172350	9753 339537	14971 633602	40438	81703	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	++++ 401178	18905 784166	34706 1506322	94445	167671	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	8233 388147	19624 805181	38003 1487177	90214	169382	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	4015 184897	8531 363321	16430 711281	43424	71798	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	3936 186823	6441 345196	15117 663187	36085	76643	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2978 185651	8147 413457	17357 837955	43838	60073	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	3913 184724	9124 393460	18253 771915	44424	67654	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	6321 317775	13257 594315	26543 1156128	63742	127252	2.00 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	7365 369269	17251 756614	30484 1501923	83850	141227	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	12117 679233	26912 1466782	54968 2908053	154139	246864	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1 Analy Batch No.: 468875

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 17:06 Calibration End Date: 04/19/2019 19:57 Calibration ID: 36718

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
Allyl chloride	FB	Ave	7598 344080	17617 726398	30322 1447201	74089	128628	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	5807 330620	14106 641261	24209 1223645	71108	133232	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Ave	++++ 248362	12889 495019	23071 959725	53201	94933	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	2873 153531	6317 319320	9722 663198	25632	50459	4.00 250	10.0 500	20.0 1000	50.0	100
trans-1,2-Dichloroethene	FB	Ave	4728 217023	10092 459186	20356 905902	49143	88450	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl tert-butyl ether	FB	Ave	9676 600908	23866 1151913	45980 2214039	126757	236975	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	13450 874335	36433 1623211	70877 3165642	166082	343098	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	5767 295996	14075 670103	25208 1330838	68839	96981	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	6329 386546	17593 797831	35344 1574288	82951	151356	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	11049 790401	28350 1652504	55601 3464209	143621	283729	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	4018 266582	11240 575728	23286 1152501	62393	102132	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4264 251240	11420 516750	21732 996399	53903	102318	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	10086 493109	19971 968163	41644 1872449	106855	196819	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2205 129218	5261 268707	10751 529537	28967	49490	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	2596 133365	4615 256837	12326 503795	28453	56370	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Lin1	10282 398334	23091 824664	38226 1594475	93143	164263	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	4330 288441	11187 642464	22310 1313114	63040	100445	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	6078 370421	14213 797486	32564 1595838	87441	121806	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	2604 182126	8045 452326	14995 980010	40578	62670	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	6065 286953	12700 618573	25210 1210862	65247	101062	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	16394 882398	37999 1793992	78673 3467772	203660	336878	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1 Analy Batch No.: 468875

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 17:06 Calibration End Date: 04/19/2019 19:57 Calibration ID: 36718

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
Isobutyl alcohol	FB	Ave	+++++ 133073	4343 292916	9931 704714	21695	48513	+++++ 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	5994 324768	14268 639736	28316 1234850	72295	129271	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	5453 319788	16598 753123	30315 1420038	76488	114898	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	4196 224385	8782 482989	20334 927878	52050	85313	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	5613 357965	15449 804729	31446 1579861	82160	116855	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3142 229029	10063 461616	16653 918259	49337	93184	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Lin1	170 48603	1369 93091	2477 178848	9844	18446	8.00 500	20.0 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	2352 147002	5657 301335	11758 585037	31875	61878	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	5778 250568	10794 528193	20094 1101101	51477	93007	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	2205 151786	5083 304910	13406 598294	32424	64028	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	4015 337519	12822 697316	22966 1361999	64829	123837	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	14831 1131093	40442 2153738	86701 4334988	220731	452403	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	10563 570084	22564 1166139	49553 2289648	123951	212866	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	4626 301231	9680 614569	22625 1254183	56213	109526	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	3549 221847	6398 484884	15488 1029706	38838	84141	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	2807 185390	6670 351209	14739 669315	34350	71881	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	3429 227102	10304 480913	17822 953388	50469	78554	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	5278 356328	12353 695624	27704 1367553	75894	144237	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	8928 762427	26109 1450113	51893 2883578	141424	293589	2.00 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	1731 153956	6236 341965	9839 753151	26834	52455	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	3041 215341	7796 407304	15915 828248	43340	79906	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1 Analy Batch No.: 468875

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 17:06 Calibration End Date: 04/19/2019 19:57 Calibration ID: 36718

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
Chlorobenzene	CBNZ d5	Ave	12133 654592	29417 1309844	52221 2535413	146316	251071	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	17913 1060317	43096 2180741	93246 4232706	238732	395539	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	++++ 162200	7596 365998	12677 796733	28749	55851	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	7430 412916	17091 873832	34521 1702508	92463	162186	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	5580 417319	15756 862678	35172 1687985	92626	173716	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	10704 713273	27461 1468065	58852 2911470	151382	278225	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	937 73886	2364 155323	4710 401818	11362	27236	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	15231 1028050	40176 2206974	85656 4281918	237765	397721	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	4927 274776	10449 543294	22599 1075774	52718	107571	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	3462 257815	9794 503097	18777 1016039	54911	102066	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	19802 1253612	50657 2644158	113039 5155964	299965	485851	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	1385 89409	3698 161781	7463 318118	16519	33312	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	1246 75973	2766 146180	4943 300028	14517	29606	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	5153 261876	10634 535835	21765 1058478	54506	103237	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	14216 916063	37328 1896188	76058 3687987	208362	345118	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	13231 787067	35070 1595225	64209 3081542	167985	298838	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	2194 201245	8666 419050	18467 809895	43699	75579	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	14032 933199	40441 1904903	76662 3713555	195524	358221	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	16060 1122093	43226 2446286	97089 4812312	255343	428345	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	13995 958706	36791 2073626	86339 4071432	211901	358880	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	9378 518058	22056 1068693	43631 2095942	109271	205752	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1 Analy Batch No.: 468875

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/19/2019 17:06 Calibration End Date: 04/19/2019 19:57 Calibration ID: 36718

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
1,4-Dichlorobenzene	DCBd 4	Ave	8081 519146	22049 1065229	48509 2119311	116651	211906	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	12885 918389	38787 1981515	83452 3843960	211189	332674	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	7871 532456	21981 1035262	43268 2090871	110176	199282	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	++++ 30844	1606 62793	2236 153185	5028	11068	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	6434 386867	14318 765043	32449 1523197	77842	149534	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	2381 161013	5802 356951	14439 719267	37857	56480	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	13429 982714	31499 1864056	75608 3725456	192787	366860	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	5975 368677	14821 723392	28976 1462997	74605	151399	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	231186 237213	222481 236957	227646 240909	232918	228444	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	267923 269438	272818 267826	269406 266173	268693	276258	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	897825 927058	904925 929245	923030 901842	935877	909051	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	266364 281724	263757 273579	269260 276442	278017	268008	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
 Lims ID: IC 0.4
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 19-Apr-2019 17:06:30 ALS Bottle#: 27 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic 0.4
 Misc. Info.: 480-0080365-005
 Operator ID: KN Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Apr-2019 13:29:19 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1032

First Level Reviewer: nowakk

Date: 22-Apr-2019 09:16:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.859	4.858	0.001	99	185351	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	87	692087	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	96	346229	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	92	231186	25.0	24.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	267923	25.0	23.9	
\$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.000	94	897825	25.0	24.4	
\$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.082	0.000	0	266364	25.0	24.4	
11 Dichlorodifluoromethane	85	1.242	1.252	-0.010	1	3961	0.4000	0.3939	
13 Chloromethane	50	1.408	1.418	-0.010	85	7505	0.4000	0.5702	
151 Butadiene	54	1.491	1.491	0.000	49	4821	0.4000	0.4303	
14 Vinyl chloride	62	1.491	1.511	-0.020	26	6178	0.4000	0.5173	
15 Bromomethane	94	1.750	1.771	-0.020	29	5066	0.4000	0.5031	Ma
16 Chloroethane	64	1.812	1.822	-0.010	48	5943	0.4000	0.1877	
18 Dichlorofluoromethane	67	2.061	2.061	0.000	38	10222	0.4000	0.5780	
17 Trichlorofluoromethane	101	2.061	2.071	-0.010	6	8233	0.4000	0.4512	
19 Ethyl ether	59	2.299	2.289	0.010	56	4015	0.4000	0.4813	
21 Acrolein	56	2.475	2.475	0.000	48	3936	2.00	2.55	
20 1,1,2-Trichloro-1,2,2-trif	101	2.496	2.506	-0.010	61	2978	0.4000	0.3641	a
22 1,1-Dichloroethene	96	2.517	2.517	0.000	84	3913	0.4000	0.4530	
23 Acetone	43	2.641	2.620	0.021	67	6321	2.00	2.35	
24 Iodomethane	142	2.662	2.662	0.000	77	7365	0.4000	0.4487	
25 Carbon disulfide	76	2.693	2.714	-0.021	95	12117	0.4000	0.4146	
27 3-Chloro-1-propene	41	2.838	2.838	0.000	45	7598	0.4000	0.4797	
28 Methyl acetate	43	2.890	2.879	0.011	90	5807	0.8000	0.8413	a
30 Methylene Chloride	84	2.983	2.983	0.000	84	9063	0.4000	0.8212	
31 2-Methyl-2-propanol	59	3.149	3.149	0.000	39	2873	4.00	4.65	
33 Methyl tert-butyl ether	73	3.180	3.170	0.010	95	9676	0.4000	0.3945	
32 trans-1,2-Dichloroethene	96	3.170	3.170	0.000	92	4728	0.4000	0.4697	
34 Acrylonitrile	53	3.232	3.232	0.000	98	13450	4.00	3.81	
35 Hexane	57	3.335	3.335	0.000	93	5767	0.4000	0.4319	

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	3.553	3.532	0.021	2	6329	0.4000	0.3753	
39 Vinyl acetate	43	3.574	3.574	0.000	66	11049	0.8000	0.7101	
42 2,2-Dichloropropane	77	3.978	3.978	0.000	21	4018	0.4000	0.3470	a
43 cis-1,2-Dichloroethene	96	4.009	4.009	0.000	79	4264	0.4000	0.3899	
44 2-Butanone (MEK)	43	4.040	4.030	0.010	19	10086	2.00	2.36	a
47 Chlorobromomethane	128	4.195	4.206	-0.011	93	2205	0.4000	0.3983	
48 Tetrahydrofuran	42	4.216	4.216	0.000	35	2596	0.8000	0.9090	a
50 Chloroform	83	4.268	4.268	0.000	88	10282	0.4000	0.2811	
51 1,1,1-Trichloroethane	97	4.361	4.361	0.000	57	4330	0.4000	0.3582	
52 Cyclohexane	56	4.372	4.361	0.011	64	6078	0.4000	0.3846	
53 Carbon tetrachloride	117	4.465	4.465	0.000	49	2604	0.4000	0.3211	a
54 1,1-Dichloropropene	75	4.465	4.475	-0.010	90	6065	0.4000	0.4705	a
55 Benzene	78	4.641	4.641	0.000	44	16394	0.4000	0.4238	
56 Isobutyl alcohol	43	4.651	4.651	0.000	29	691	10.0	3.16	a
57 1,2-Dichloroethane	62	4.703	4.693	0.010	1	5994	0.4000	0.4246	a
59 n-Heptane	43	4.765	4.776	-0.011	75	5453	0.4000	0.3680	
60 Trichloroethene	95	5.128	5.118	0.010	82	4196	0.4000	0.4247	
62 Methylcyclohexane	83	5.221	5.211	0.010	87	5613	0.4000	0.3624	
63 1,2-Dichloropropane	63	5.315	5.315	0.000	86	3142	0.4000	0.3318	a
65 Dibromomethane	93	5.429	5.429	0.000	52	2352	0.4000	0.3802	a
66 1,4-Dioxane	88	5.429	5.429	0.000	1	170	8.00	6.95	M
67 Dichlorobromomethane	83	5.543	5.543	0.000	90	5778	0.4000	0.5163	
69 2-Chloroethyl vinyl ether	63	5.750	5.750	0.000	11	2205	0.4000	0.3519	M
71 cis-1,3-Dichloropropene	75	5.864	5.854	0.010	80	4015	0.4000	0.3073	
72 4-Methyl-2-pentanone (MIBK)	43	5.968	5.968	0.000	96	14831	2.00	1.73	a
73 Toluene	92	6.071	6.082	-0.011	98	10563	0.4000	0.4460	
75 trans-1,3-Dichloropropene	75	6.289	6.289	0.000	56	4626	0.4000	0.4030	M
77 Ethyl methacrylate	69	6.310	6.310	0.000	33	3549	0.4000	0.4168	M
78 1,1,2-Trichloroethane	83	6.434	6.434	0.000	58	2807	0.4000	0.3978	M
79 Tetrachloroethene	166	6.486	6.486	0.000	83	3429	0.4000	0.3695	
80 1,3-Dichloropropane	76	6.558	6.558	0.000	92	5278	0.4000	0.3798	
81 2-Hexanone	43	6.600	6.600	0.000	96	8928	2.00	1.62	
82 Chlorodibromomethane	129	6.734	6.734	0.000	1	1731	0.4000	0.2965	M
83 Ethylene Dibromide	107	6.817	6.817	0.000	30	3041	0.4000	0.3727	
86 Chlorobenzene	112	7.170	7.170	0.000	44	12133	0.4000	0.4436	
88 Ethylbenzene	91	7.232	7.232	0.000	96	17913	0.4000	0.4078	
89 1,1,1,2-Tetrachloroethane	131	7.242	7.242	0.000	1	1793	0.4000	0.2660	M
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	7430	0.4000	0.4273	
91 o-Xylene	106	7.636	7.646	-0.010	69	5580	0.4000	0.3320	
92 Styrene	104	7.667	7.667	0.000	93	10704	0.4000	0.3732	
93 Bromoform	173	7.864	7.864	0.000	1	937	0.4000	0.3385	M
95 Isopropylbenzene	105	7.926	7.926	0.000	96	15231	0.4000	0.3754	
97 Bromobenzene	156	8.206	8.206	0.000	64	4927	0.4000	0.4639	M
98 1,1,2,2-Tetrachloroethane	83	8.237	8.237	0.000	46	3462	0.4000	0.3610	
99 N-Propylbenzene	91	8.258	8.258	0.000	96	19802	0.4000	0.3910	
100 1,2,3-Trichloropropane	110	8.268	8.268	0.000	37	1385	0.4000	0.4167	M
101 trans-1,4-Dichloro-2-buten	53	8.278	8.268	0.010	4	1246	0.4000	0.4457	M
105 2-Chlorotoluene	126	8.341	8.341	0.000	80	5153	0.4000	0.4881	M
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	95	14216	0.4000	0.3947	
102 4-Chlorotoluene	91	8.434	8.434	0.000	96	13231	0.4000	0.4246	
106 tert-Butylbenzene	134	8.652	8.652	0.000	74	2194	0.4000	0.2834	M
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	96	14032	0.4000	0.3858	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.828	8.828	0.000	95	16060	0.4000	0.3623	
111 4-Isopropyltoluene	119	8.952	8.952	0.000	96	13995	0.4000	0.3699	
110 1,3-Dichlorobenzene	146	8.952	8.962	-0.010	95	9378	0.4000	0.4493	
113 1,4-Dichlorobenzene	146	9.035	9.035	0.000	86	8081	0.4000	0.3842	
115 n-Butylbenzene	91	9.284	9.284	0.000	96	12885	0.4000	0.3525	
116 1,2-Dichlorobenzene	146	9.346	9.346	0.000	87	7871	0.4000	0.3879	
117 1,2-Dibromo-3-Chloropropan	75		10.019				ND	ND	
119 1,2,4-Trichlorobenzene	180	10.662	10.662	0.000	89	6434	0.4000	0.4330	
120 Hexachlorobutadiene	225	10.766	10.766	0.000	19	2381	0.4000	0.3730	M
121 Naphthalene	128	10.869	10.869	0.000	73	13429	0.4000	0.3818	M
122 1,2,3-Trichlorobenzene	180	11.066	11.066	0.000	86	5975	0.4000	0.4191	
S 124 1,2-Dichloroethene, Total	1				0			0.8596	
S 126 Xylenes, Total	1				0			0.7593	
S 125 Total BTEX	1				0			2.04	
S 123 1,3-Dichloropropene, Total	1				0			0.7103	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00153

Amount Added: 0.40

Units: uL

GAS CORP mix_00336

Amount Added: 0.40

Units: uL

T_8260_Surr_00187

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00217

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D

Injection Date: 19-Apr-2019 17:06:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Operator ID: KN

Client ID:

Worklist Smp#: 5

Purge Vol: 5.000 mL

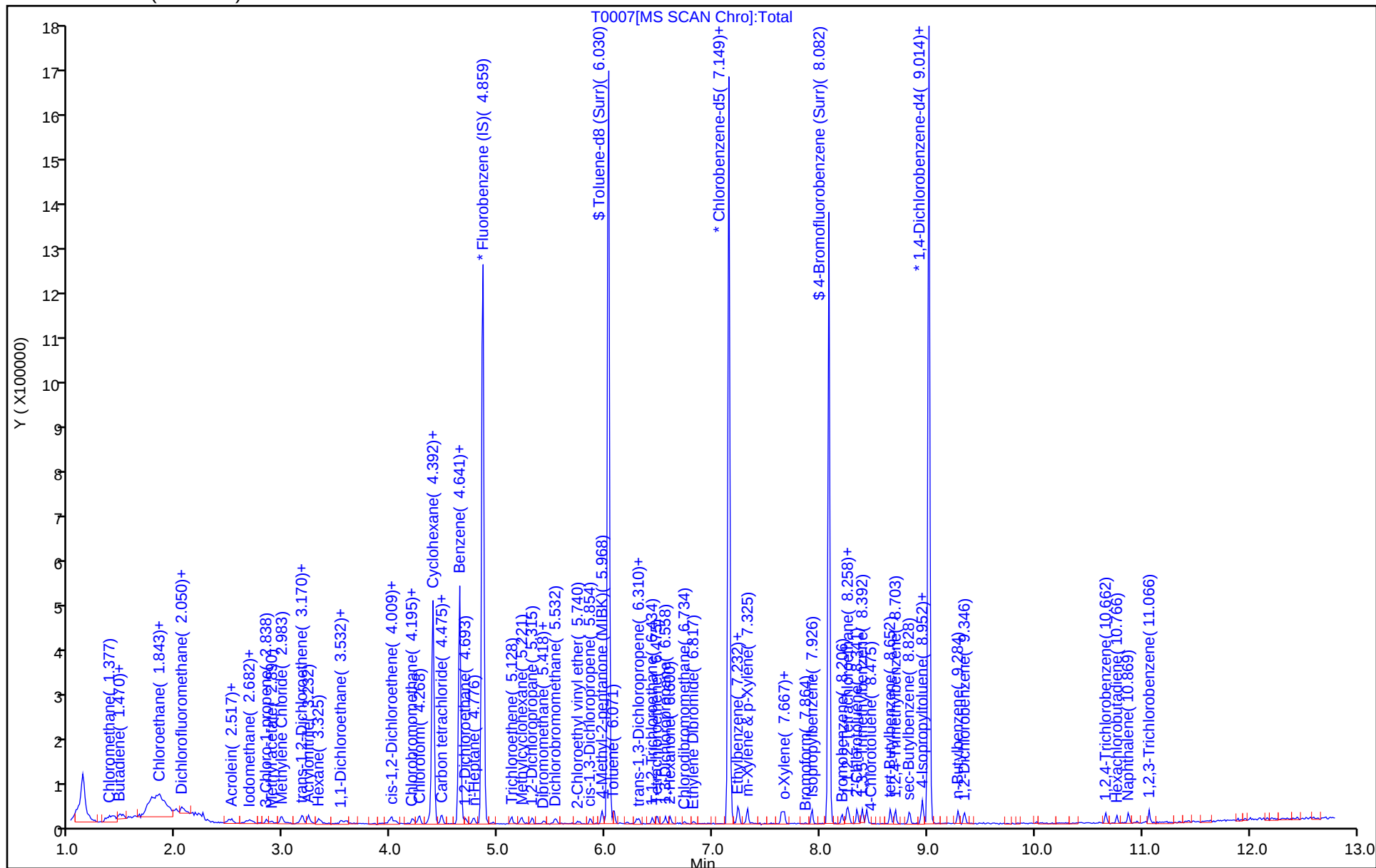
Dil. Factor: 1.0000

ALS Bottle#: 27

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

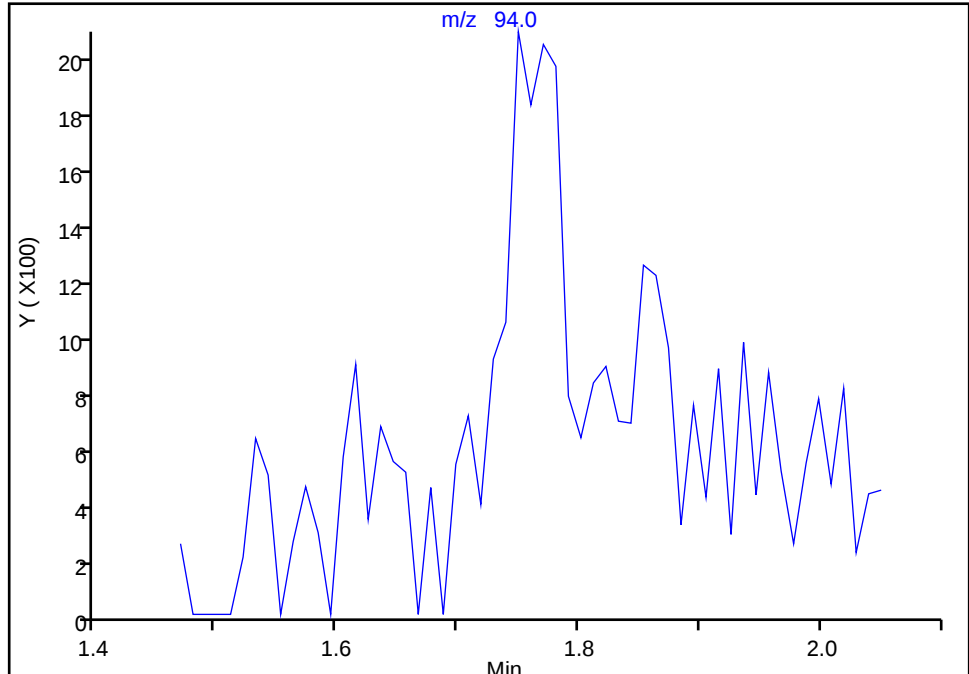
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Injection Date:	19-Apr-2019 17:06:30	Instrument ID:	HP5975T
Lims ID:	IC 0.4		
Client ID:			
Operator ID:	KN	ALS Bottle#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector:	MS SCAN
		Worklist Smp#:	5

15 Bromomethane, CAS: 74-83-9

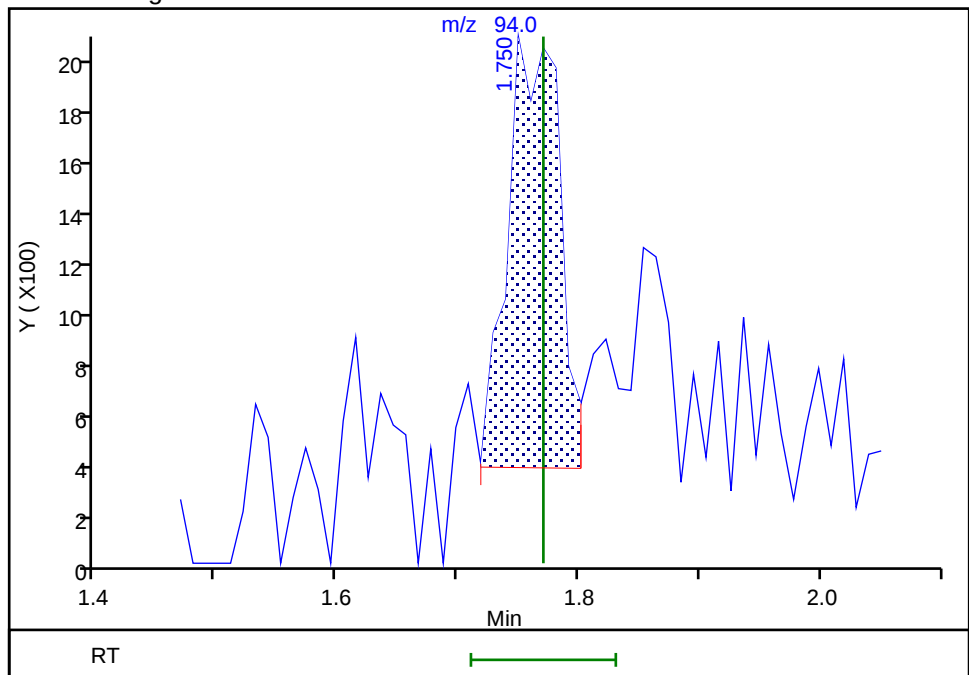
Signal: 1

Not Detected
Expected RT: 1.77

Processing Integration Results

RT: 1.75
Area: 5066
Amount: 0.503056
Amount Units: ug/L

Manual Integration Results

Reviewer: nowakk, 22-Apr-2019 09:14:15
Audit Action: Manually IntegratedAudit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

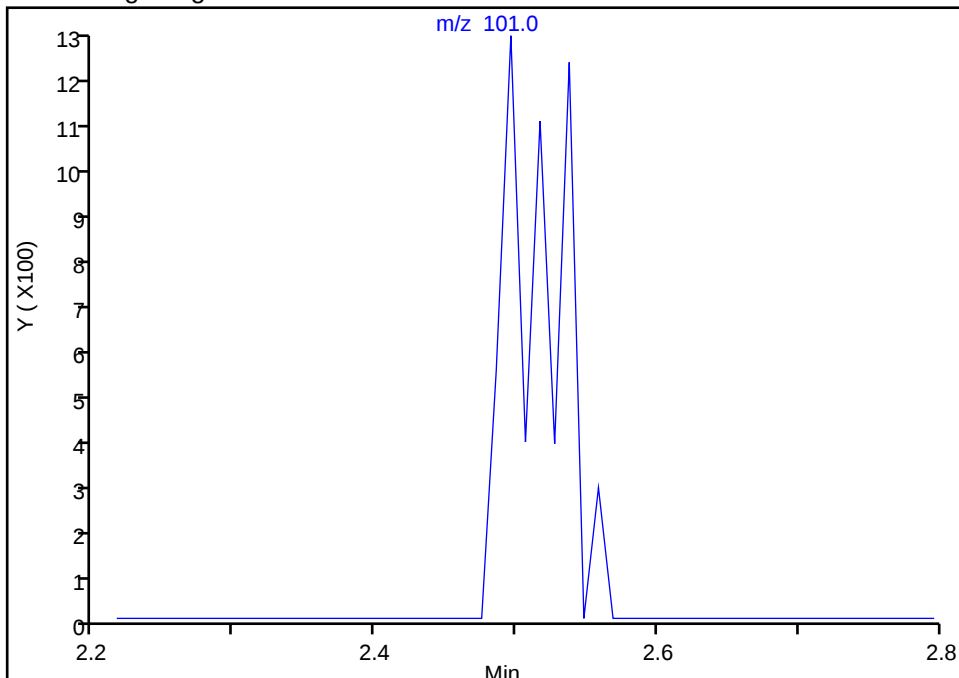
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Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

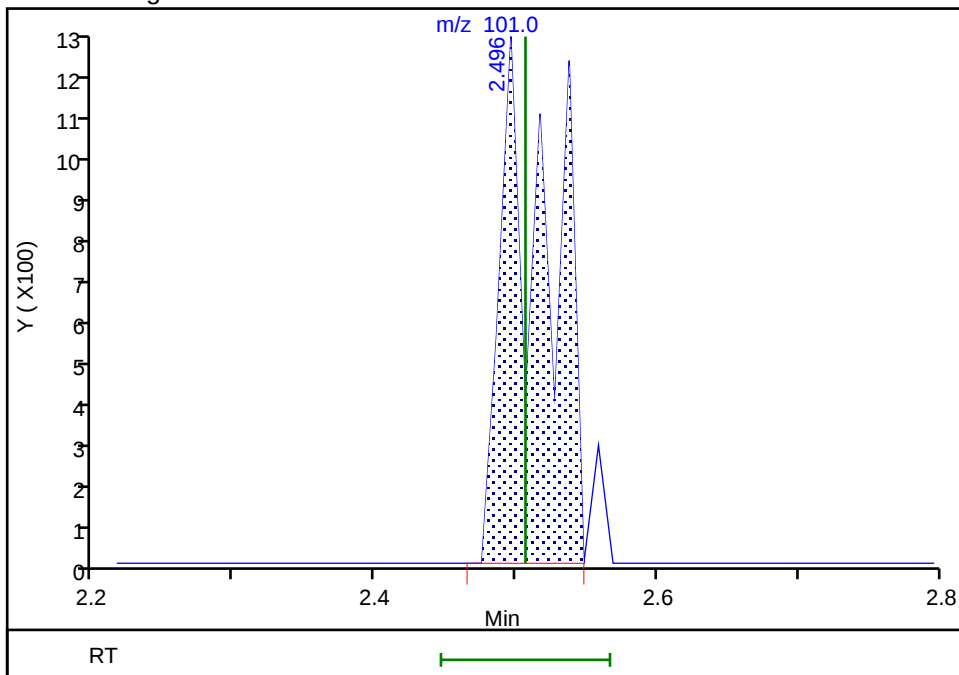
Not Detected
Expected RT: 2.51

Processing Integration Results



RT: 2.50
Area: 2978
Amount: 0.364078
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:14:24

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

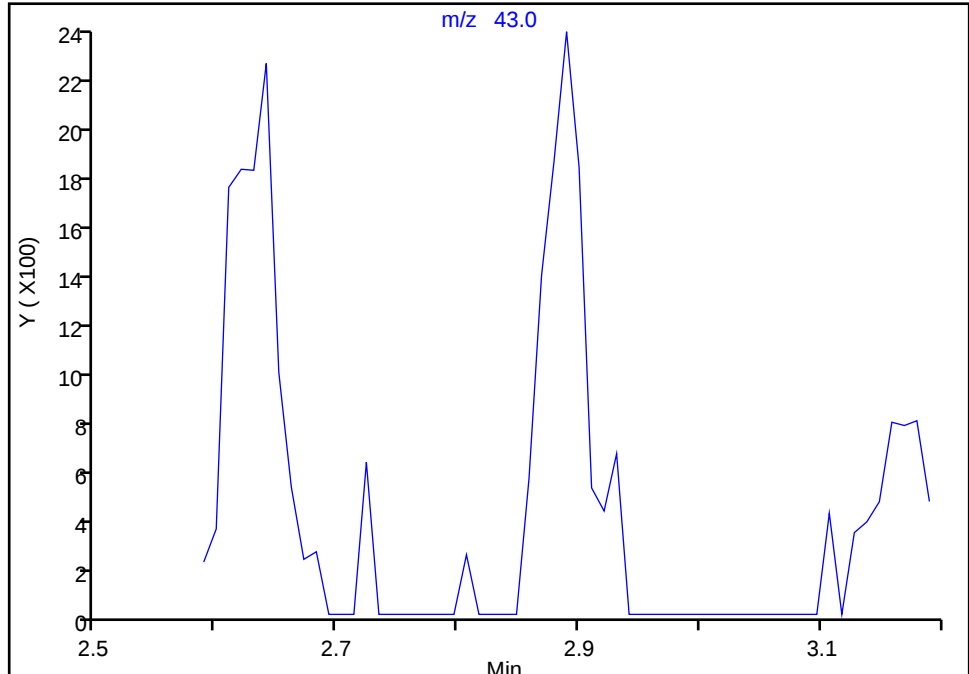
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Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

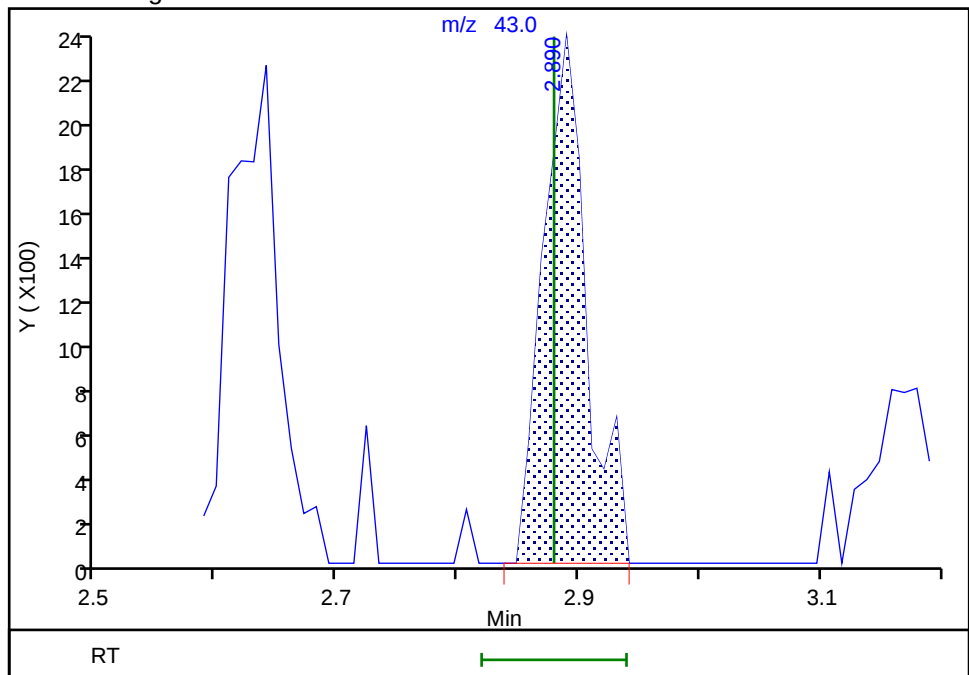
Not Detected
Expected RT: 2.88

Processing Integration Results



Manual Integration Results

RT: 2.89
Area: 5807
Amount: 0.841309
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:14:33
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

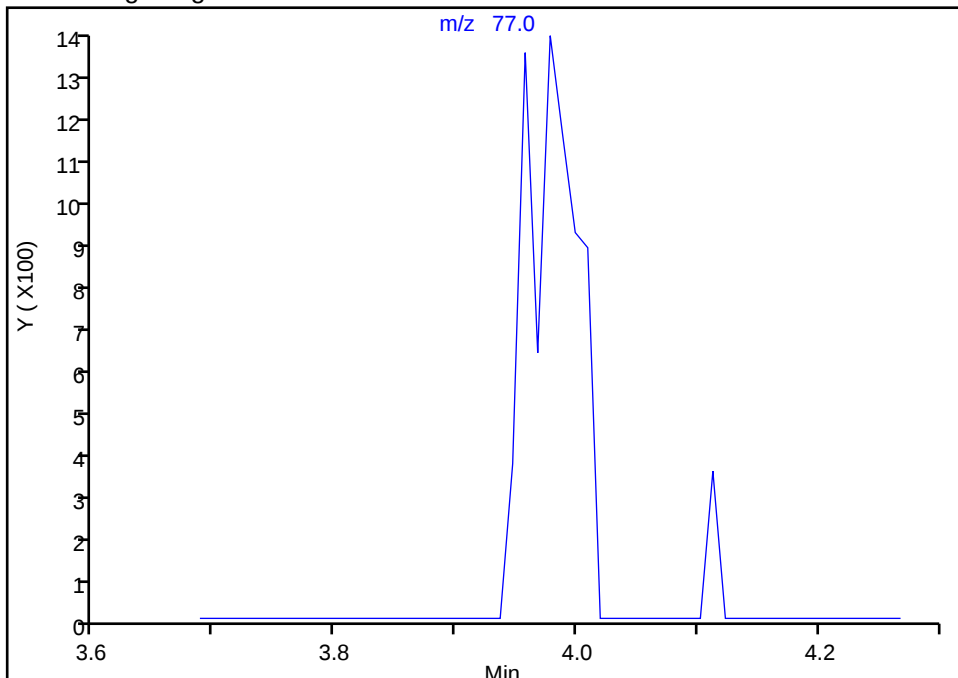
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Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

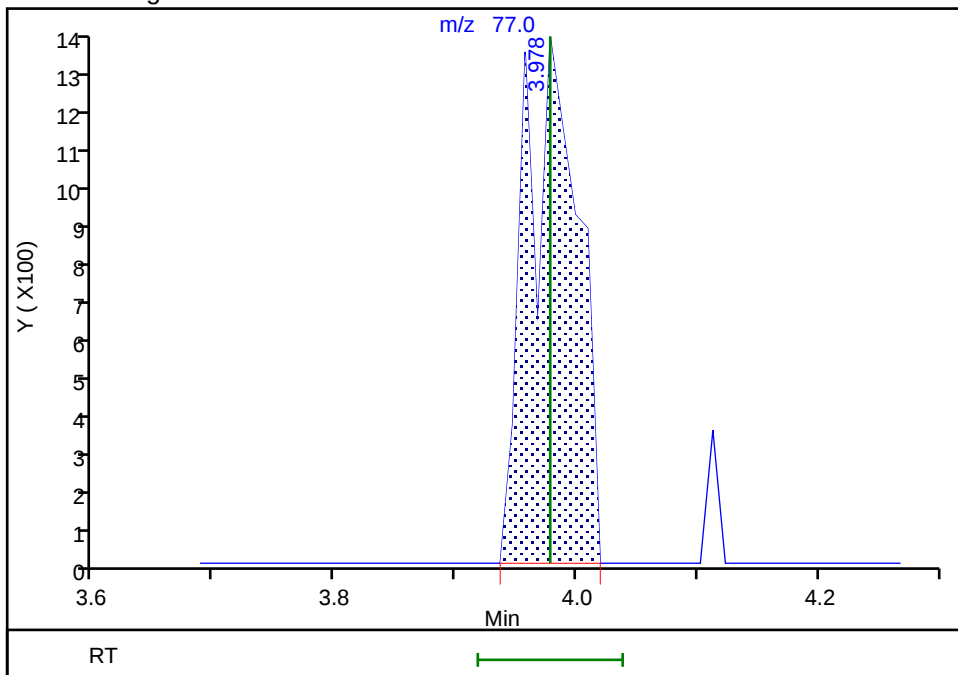
Not Detected
Expected RT: 3.98

Processing Integration Results



RT: 3.98
Area: 4018
Amount: 0.347008
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:14:41
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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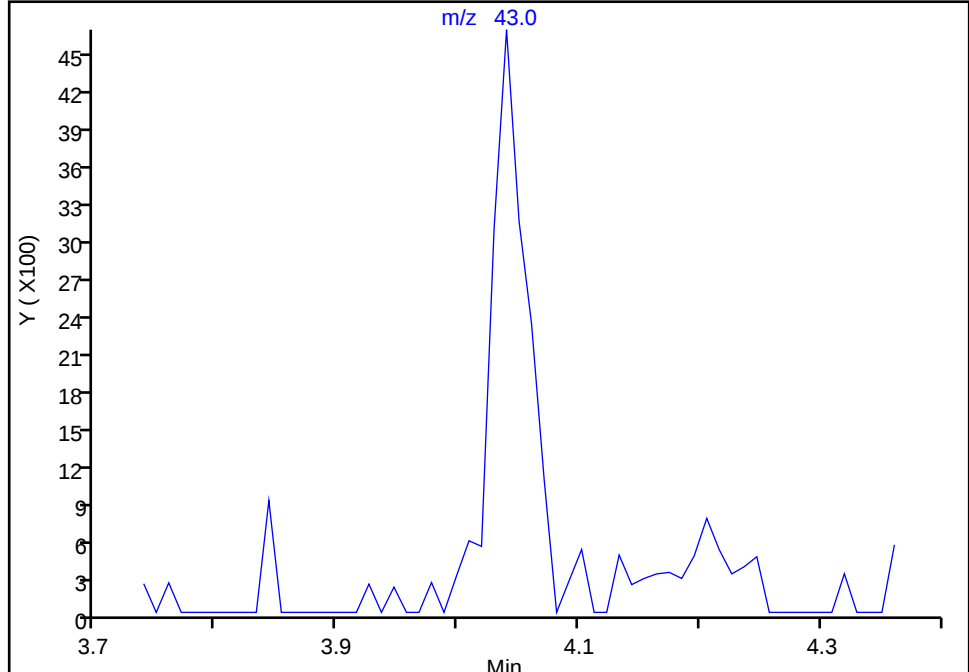
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Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

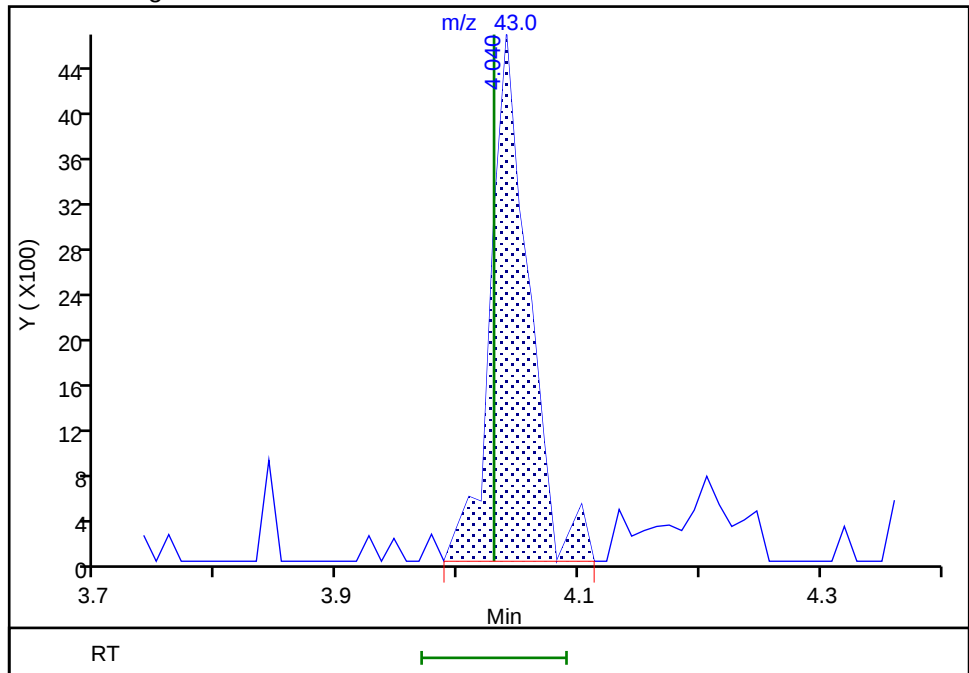
Not Detected
Expected RT: 4.03

Processing Integration Results



RT: 4.04
Area: 10086
Amount: 2.362295
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:14:47
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

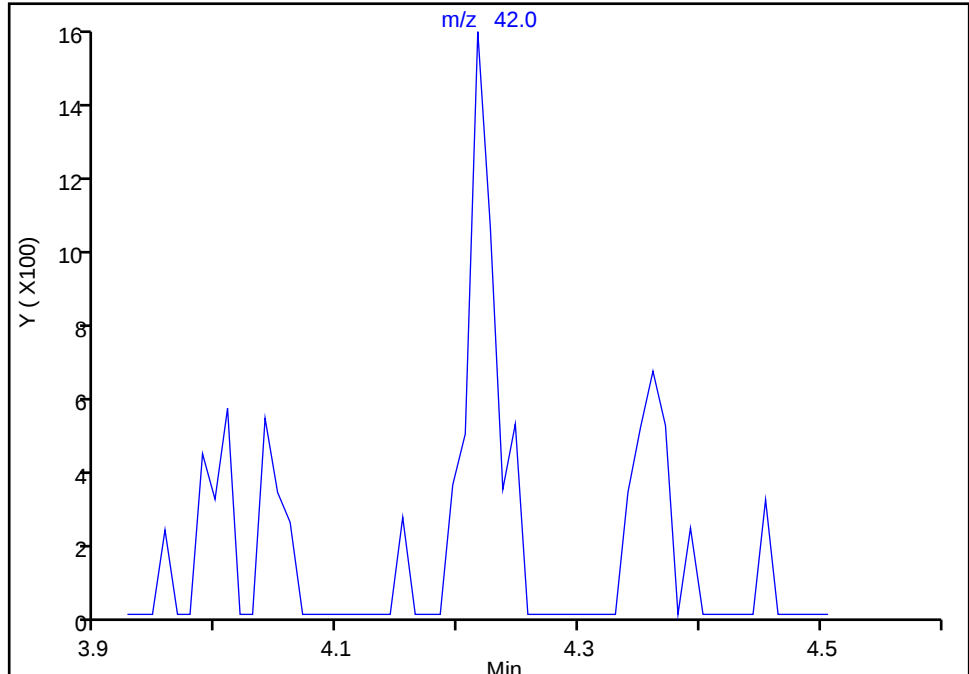
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Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

48 Tetrahydrofuran, CAS: 109-99-9

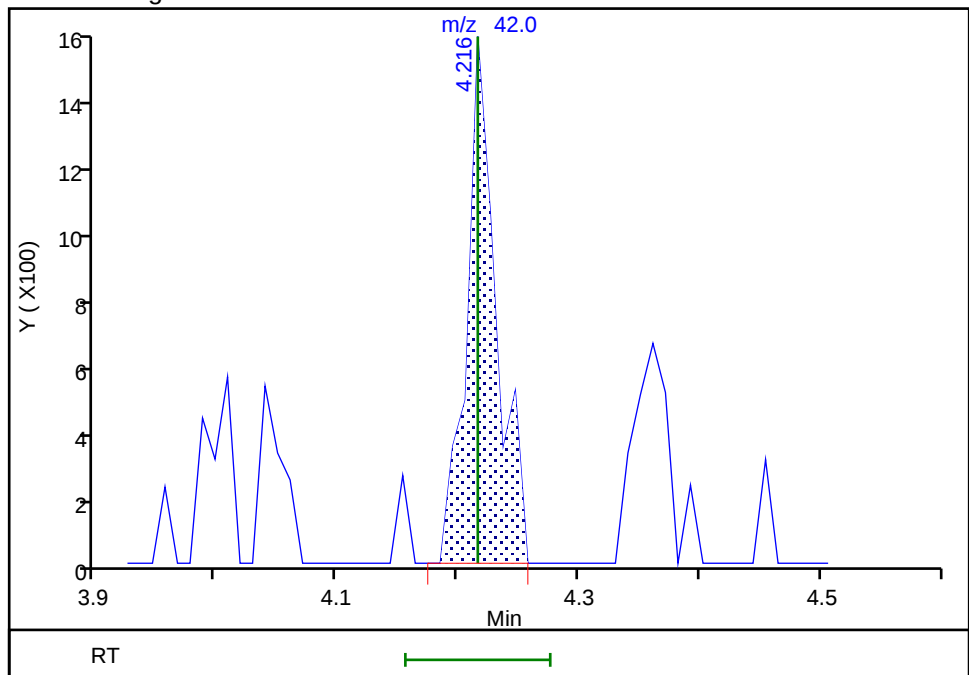
Signal: 1

Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results



RT: 4.22
Area: 2596
Amount: 0.908965
Amount Units: ug/L

Reviewer: nowakk, 22-Apr-2019 09:14:51

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

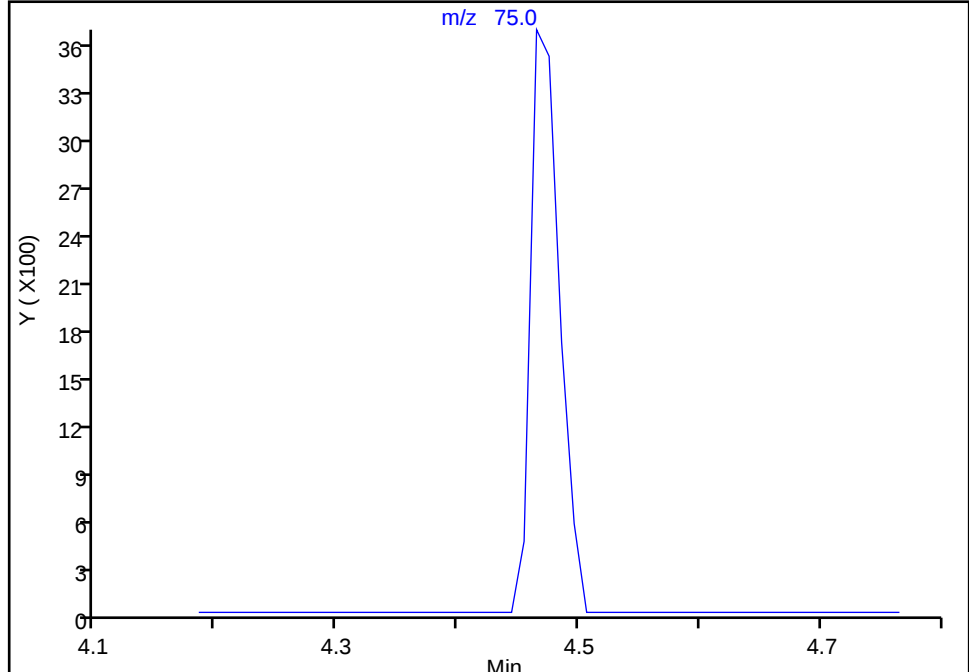
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Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

54 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

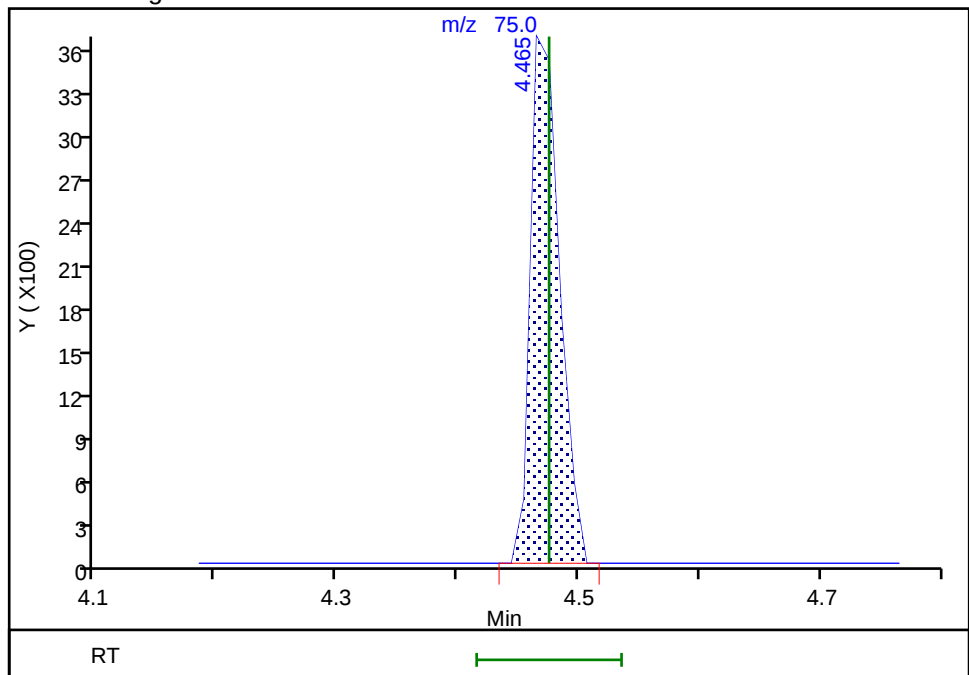
Not Detected
Expected RT: 4.48

Processing Integration Results



RT: 4.46
Area: 6065
Amount: 0.470477
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:14:58
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

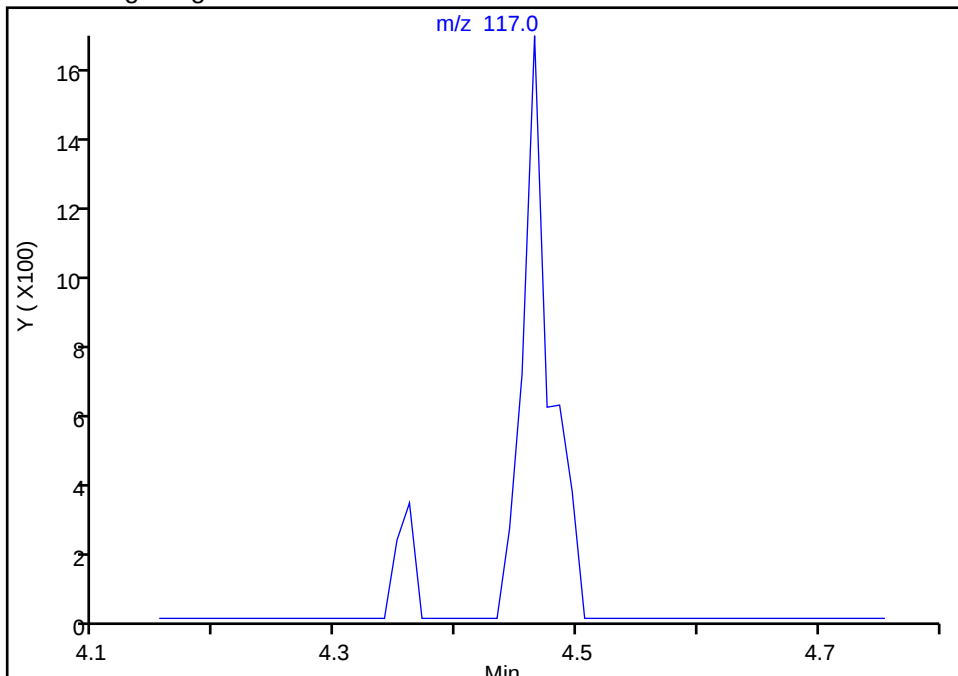
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Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

53 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

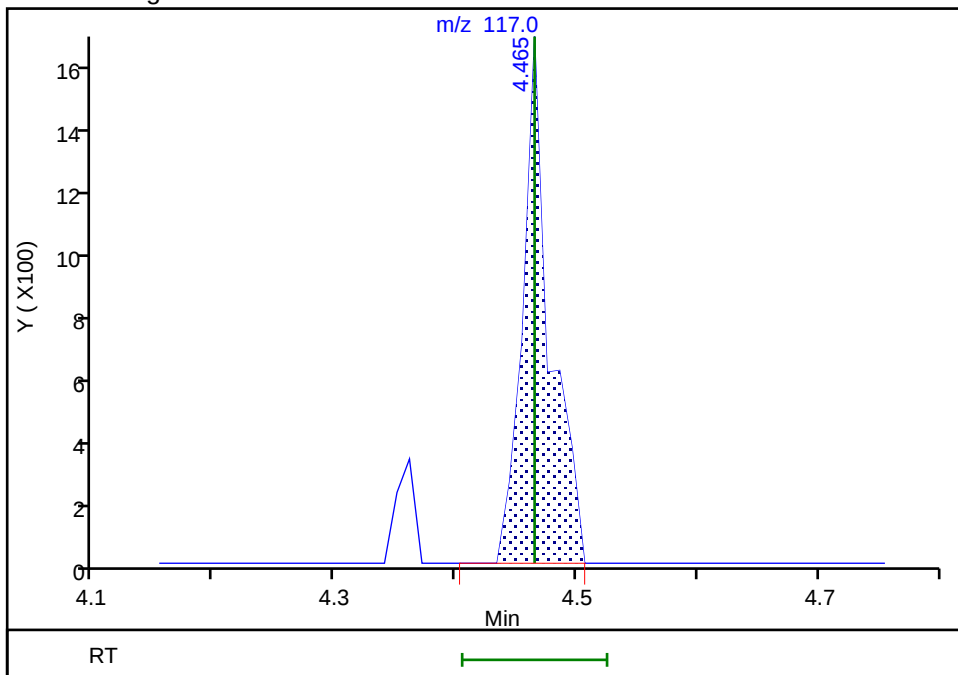
Not Detected
Expected RT: 4.46

Processing Integration Results



RT: 4.46
Area: 2604
Amount: 0.321085
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:14:55
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

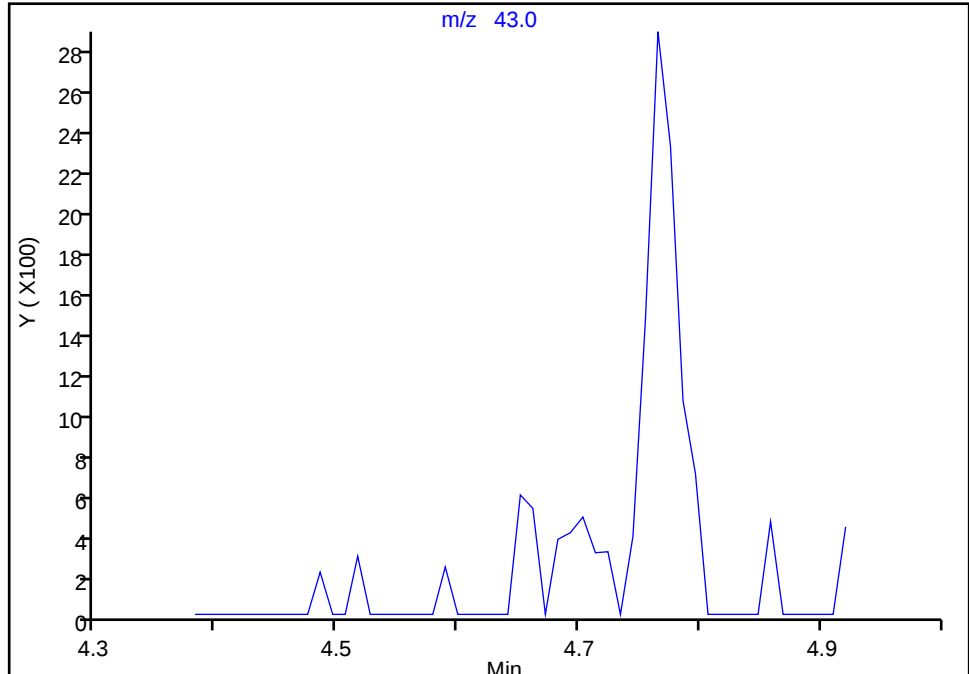
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Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

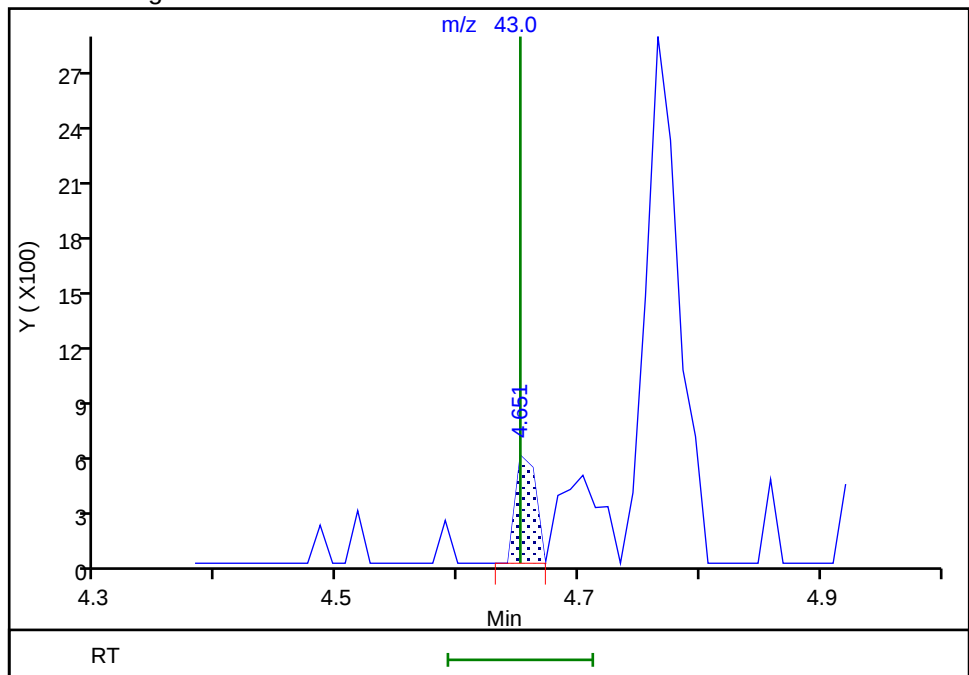
Signal: 1

Not Detected
Expected RT: 4.65

Processing Integration Results



Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:15:02

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

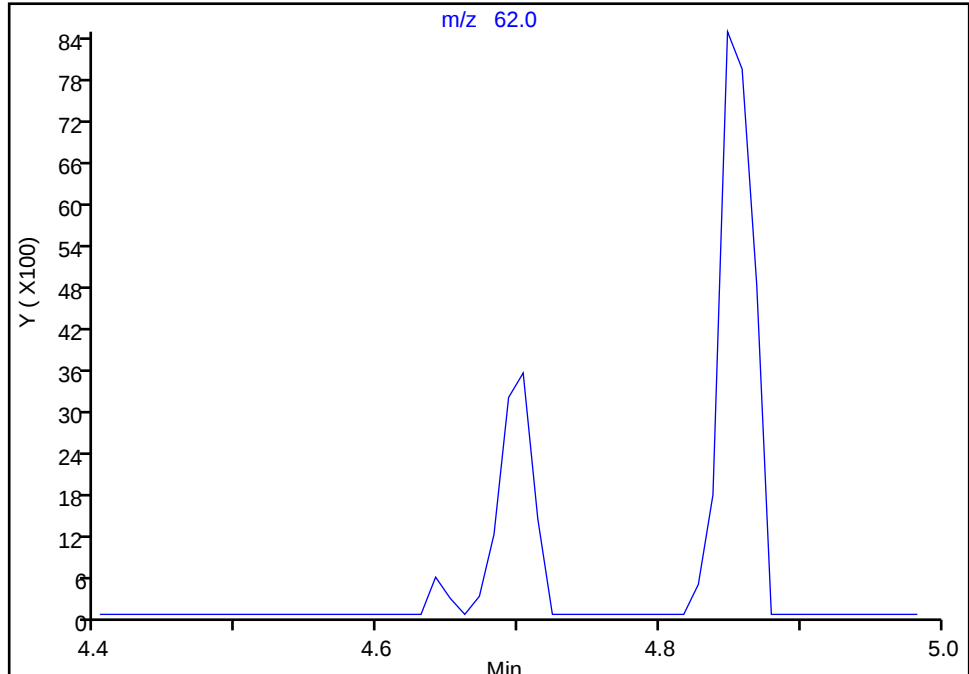
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Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

57 1,2-Dichloroethane, CAS: 107-06-2

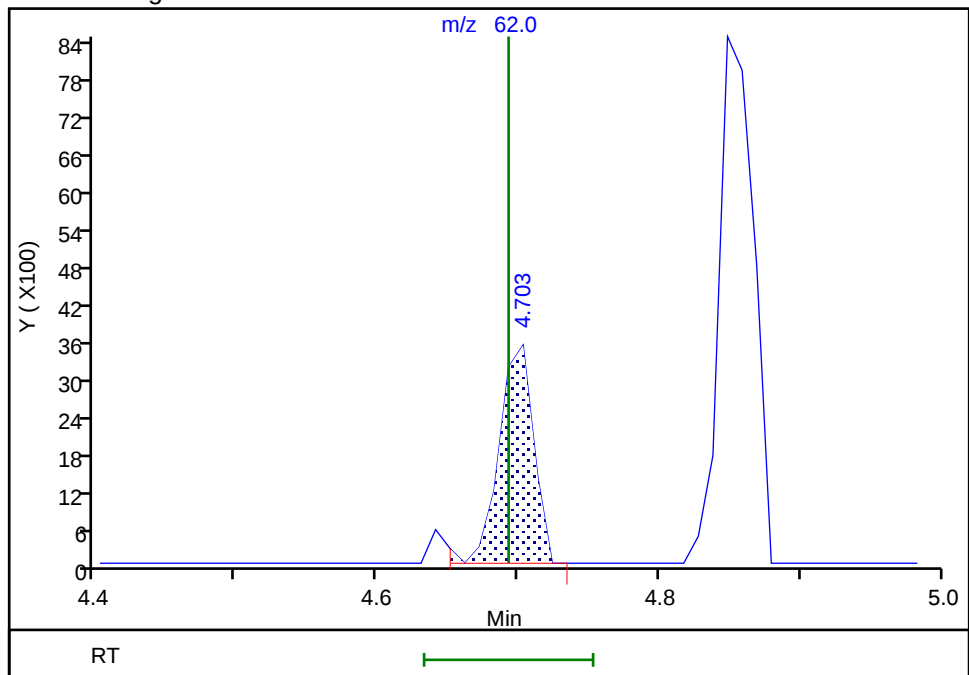
Signal: 1

Not Detected
Expected RT: 4.69

Processing Integration Results



Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:15:06

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

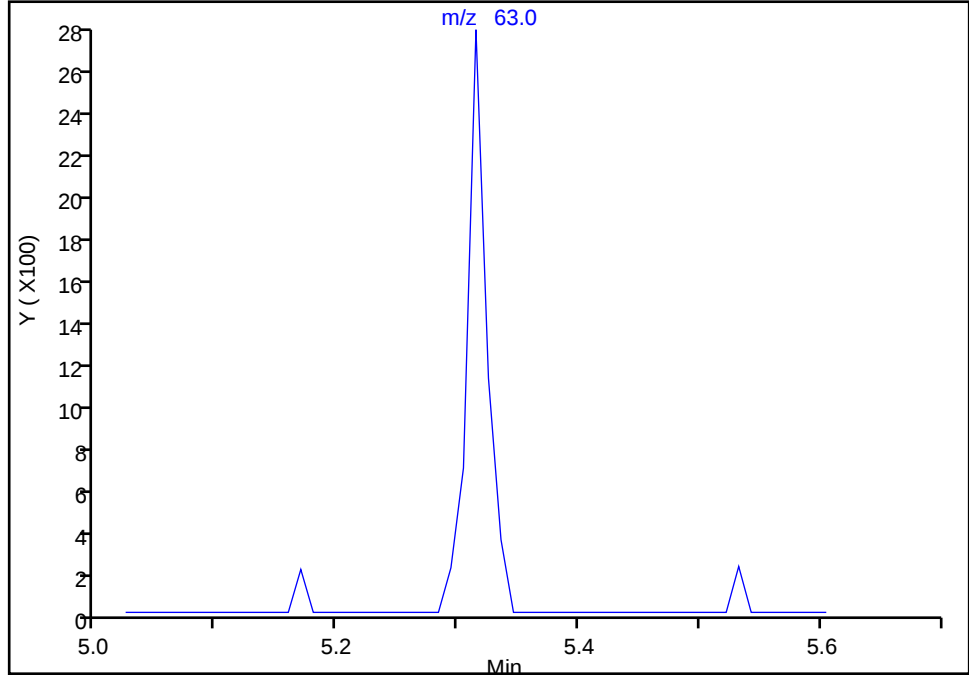
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

63 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

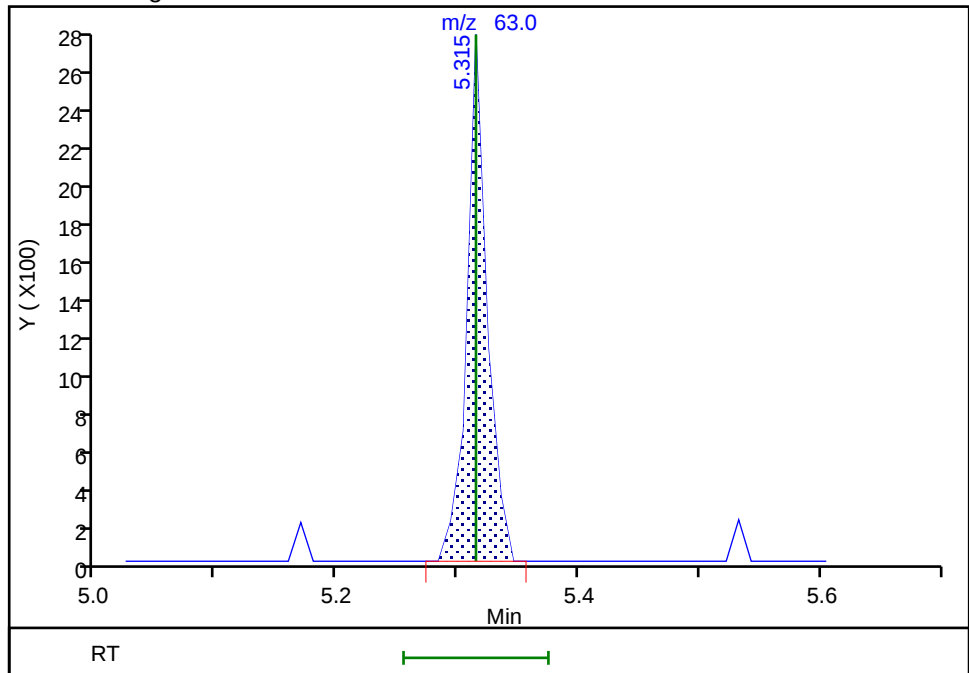
Not Detected
Expected RT: 5.31

Processing Integration Results



RT: 5.31
Area: 3142
Amount: 0.331822
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:15:11

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

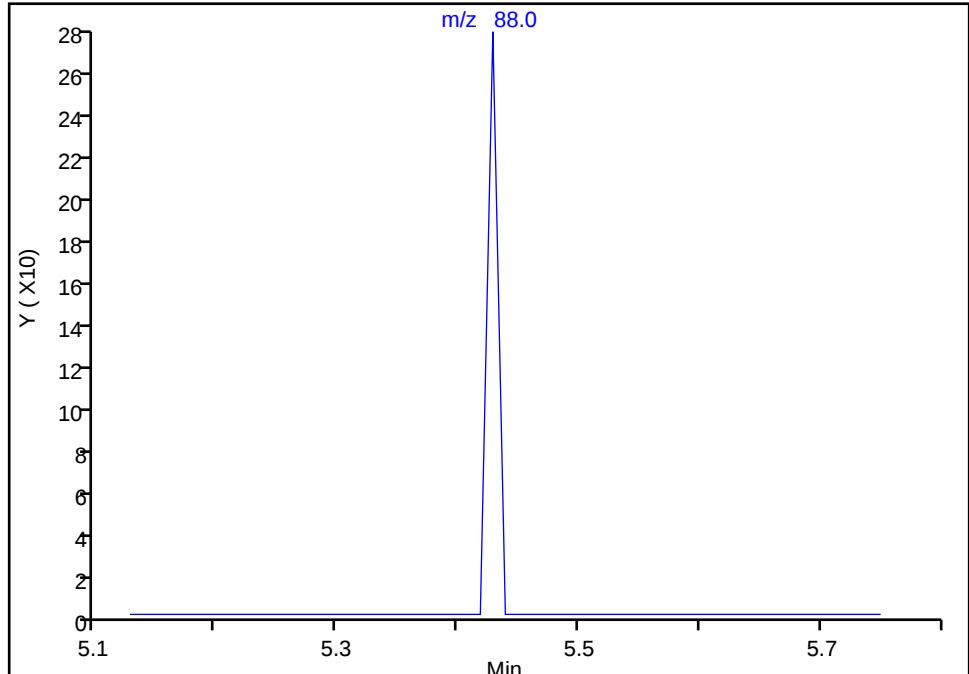
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

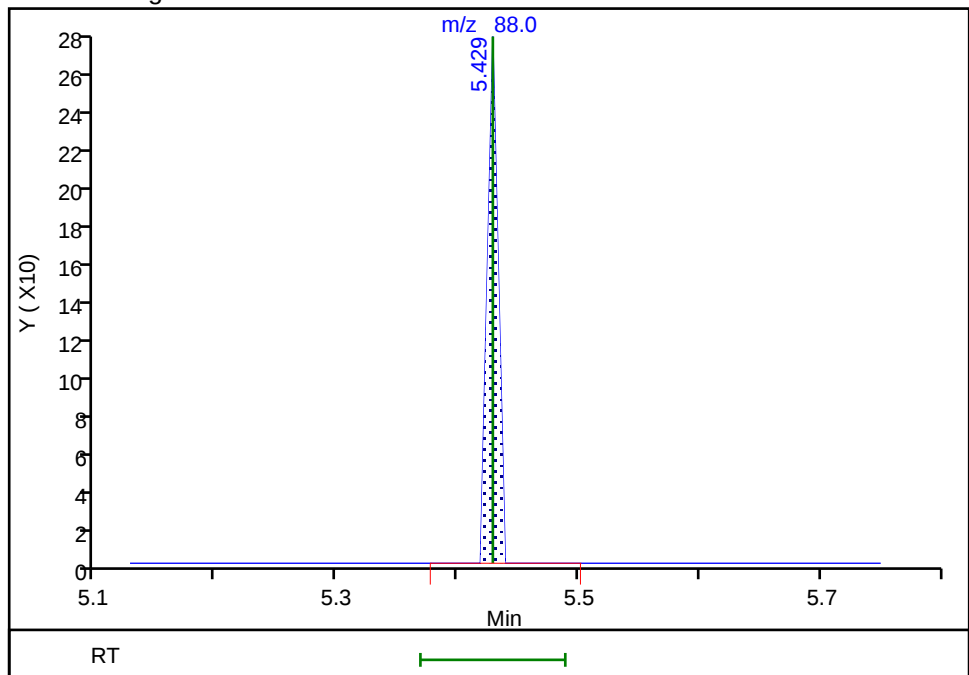
Not Detected
Expected RT: 5.43

Processing Integration Results



RT: 5.43
Area: 170
Amount: 6.951192
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:15:17
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

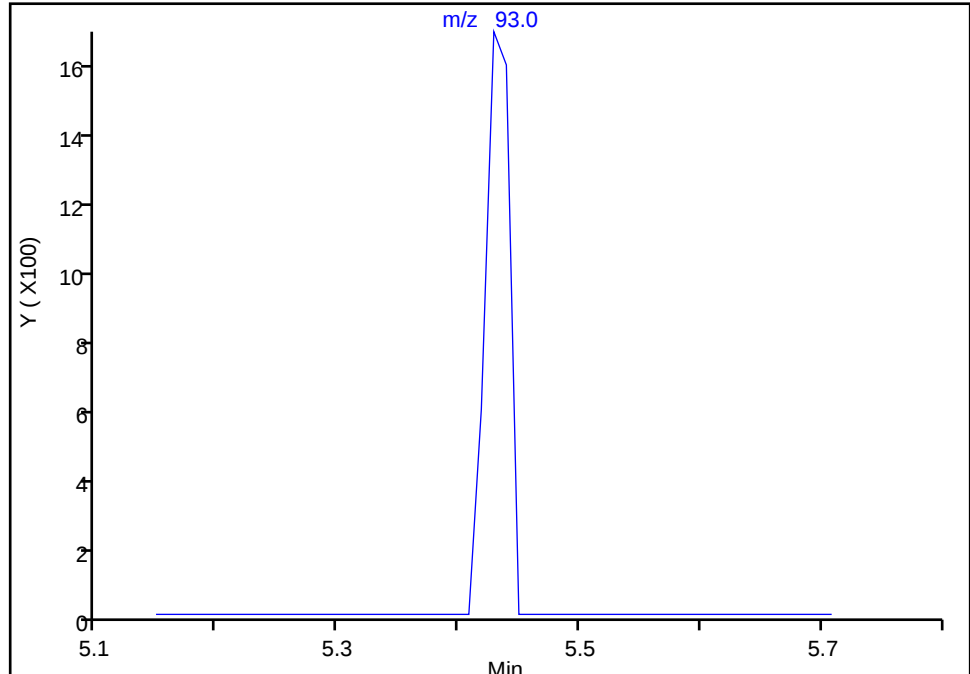
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Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

65 Dibromomethane, CAS: 74-95-3

Signal: 1

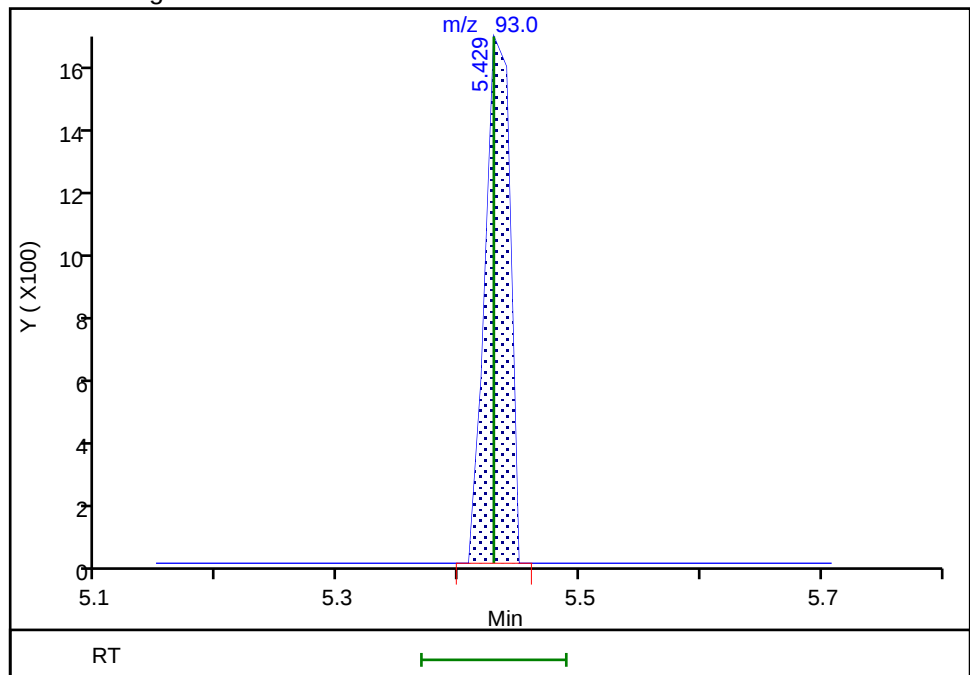
Not Detected
Expected RT: 5.43

Processing Integration Results



RT: 5.43
Area: 2352
Amount: 0.380191
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:15:13
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

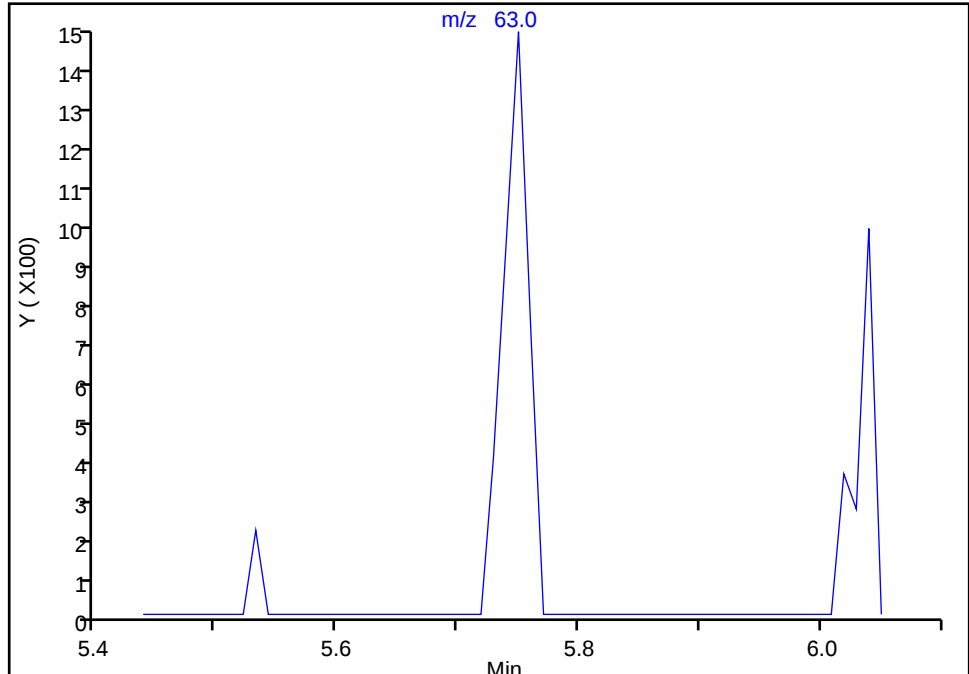
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Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

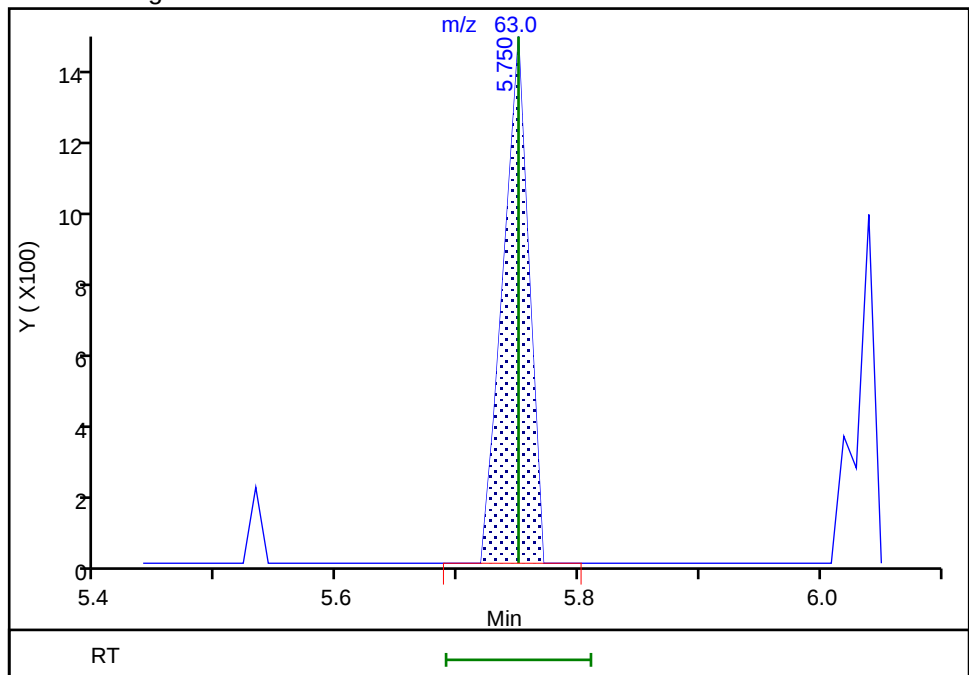
Not Detected
Expected RT: 5.75

Processing Integration Results



RT: 5.75
Area: 2205
Amount: 0.351882
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:15:21
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

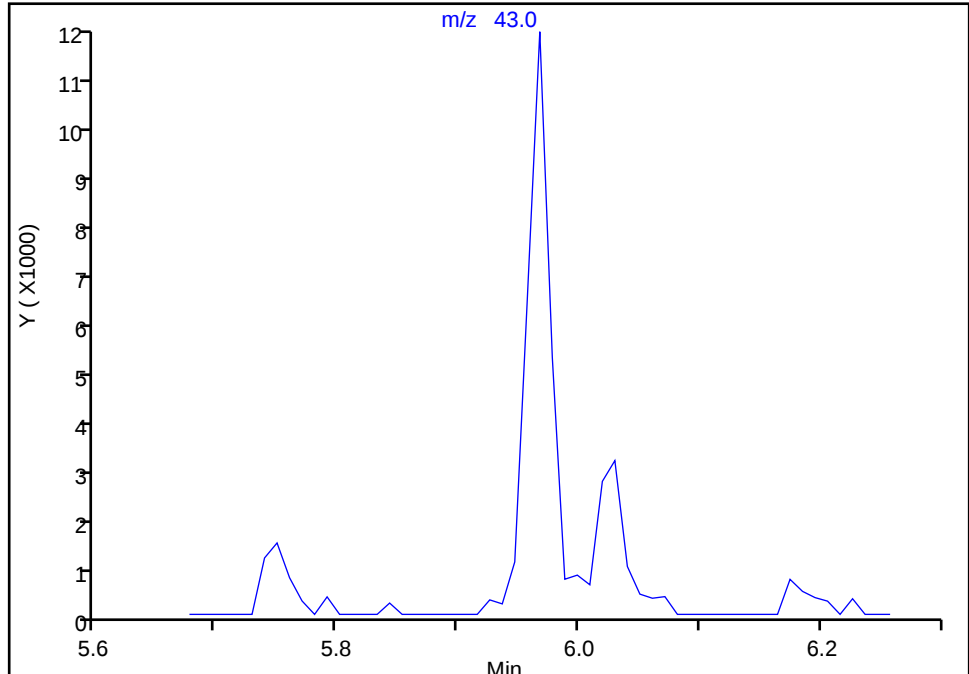
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

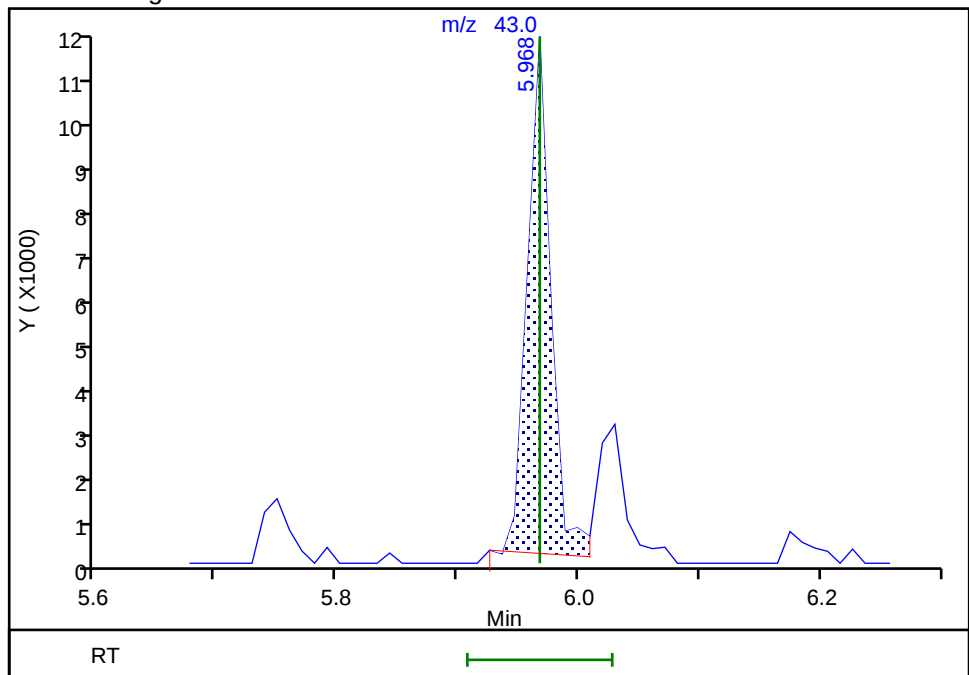
Not Detected
Expected RT: 5.97

Processing Integration Results



RT: 5.97
Area: 14831
Amount: 1.729373
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:15:25
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

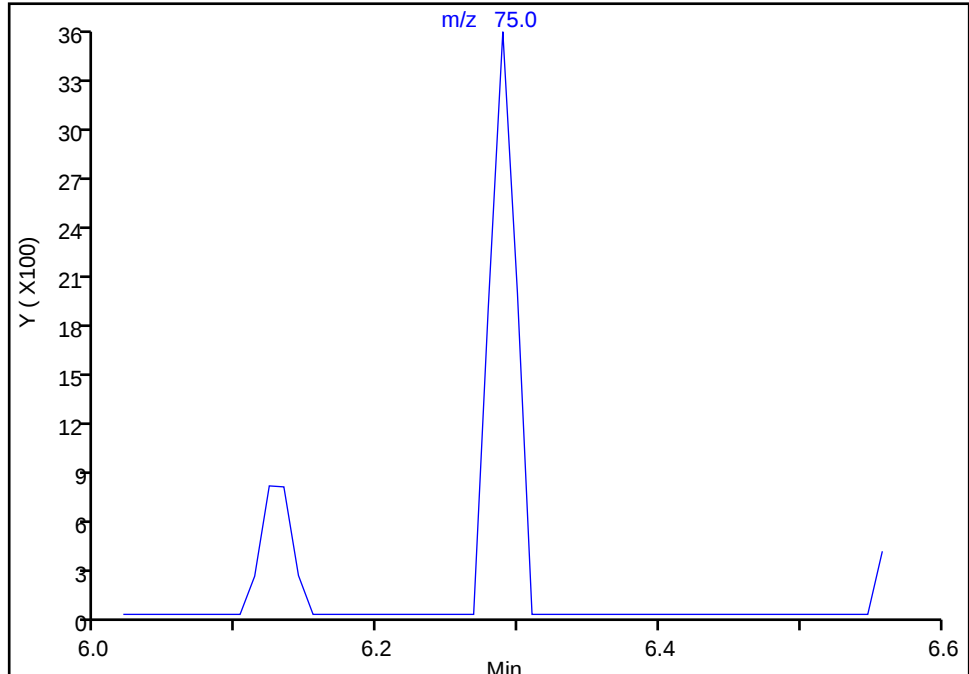
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

75 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

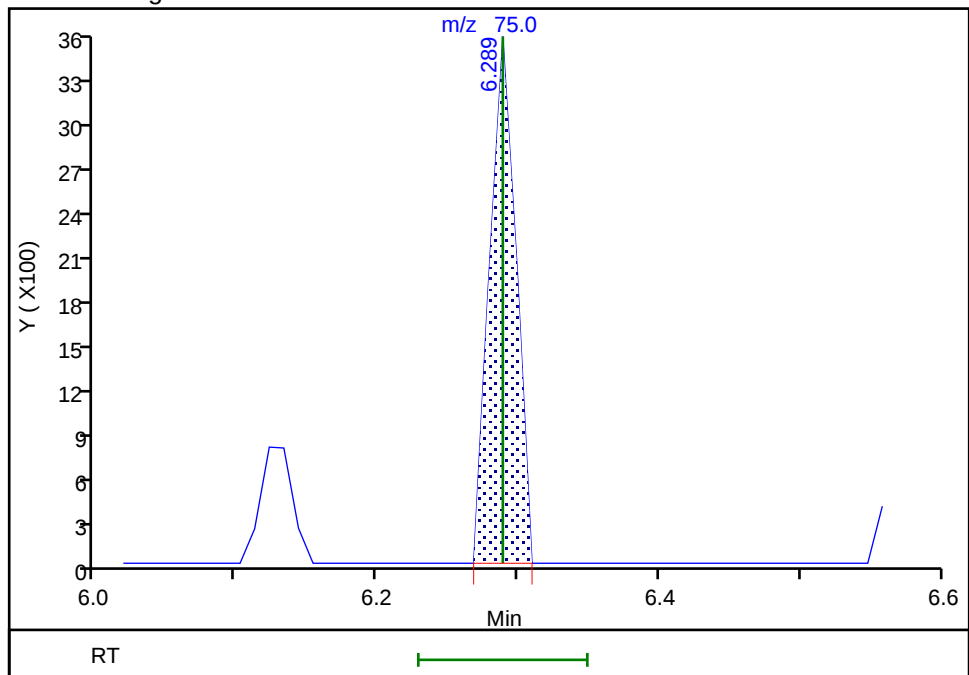
Not Detected
Expected RT: 6.29

Processing Integration Results



RT: 6.29
Area: 4626
Amount: 0.403007
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:15:30
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

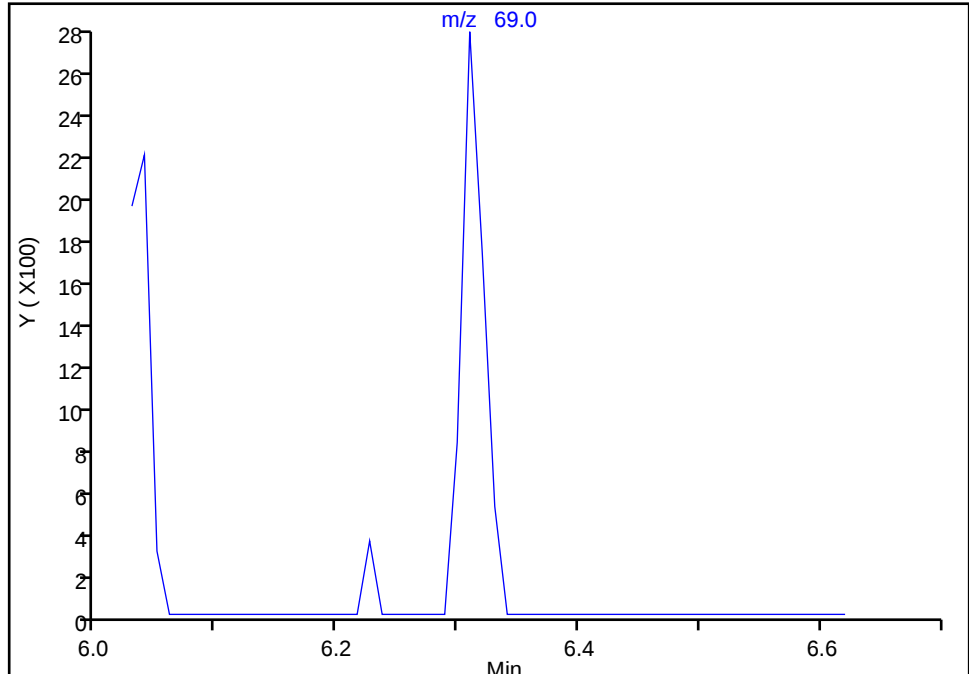
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

77 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

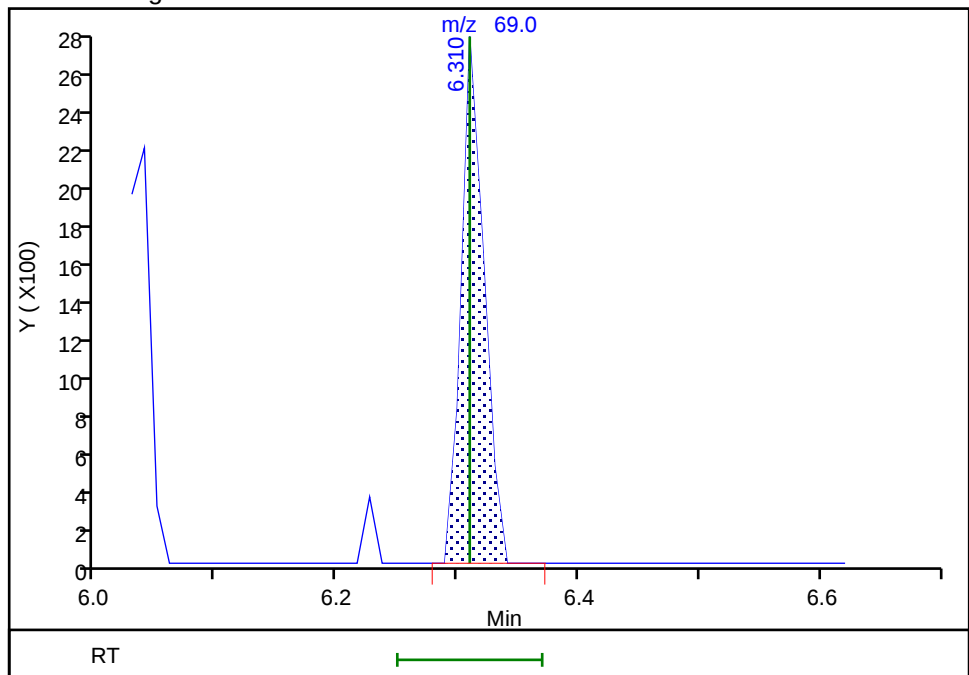
Not Detected
Expected RT: 6.31

Processing Integration Results



RT: 6.31
Area: 3549
Amount: 0.416800
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:15:32
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

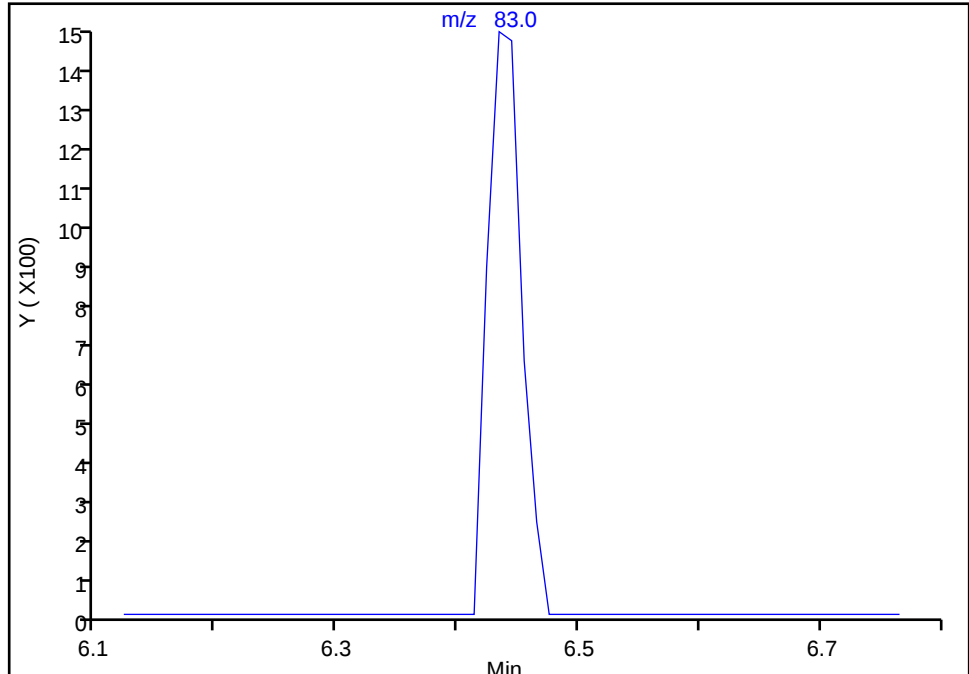
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

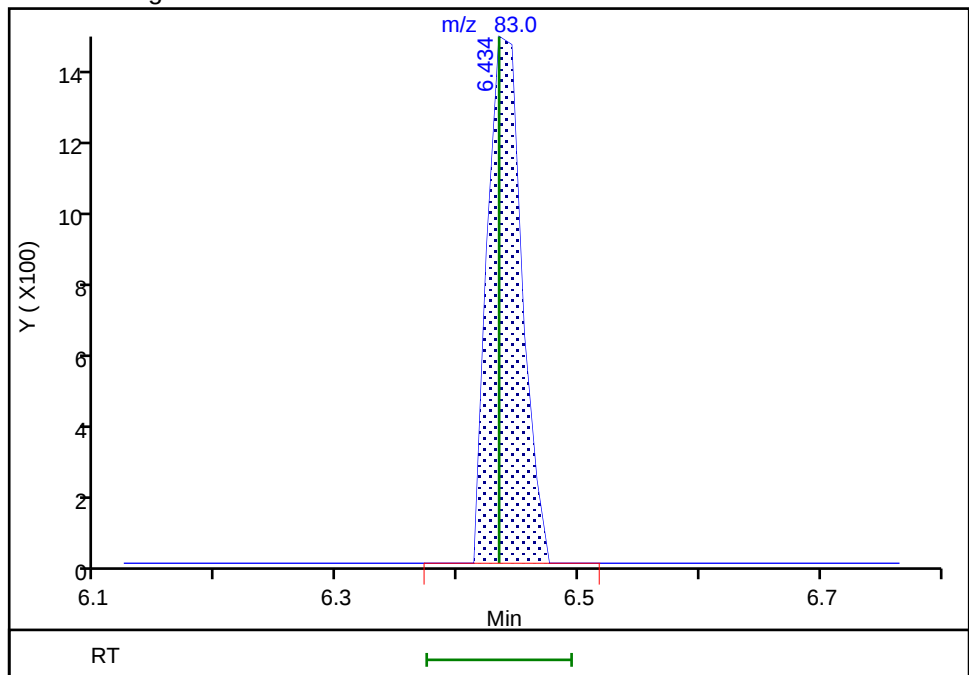
Not Detected
Expected RT: 6.43

Processing Integration Results



RT: 6.43
Area: 2807
Amount: 0.397826
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:15:35
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

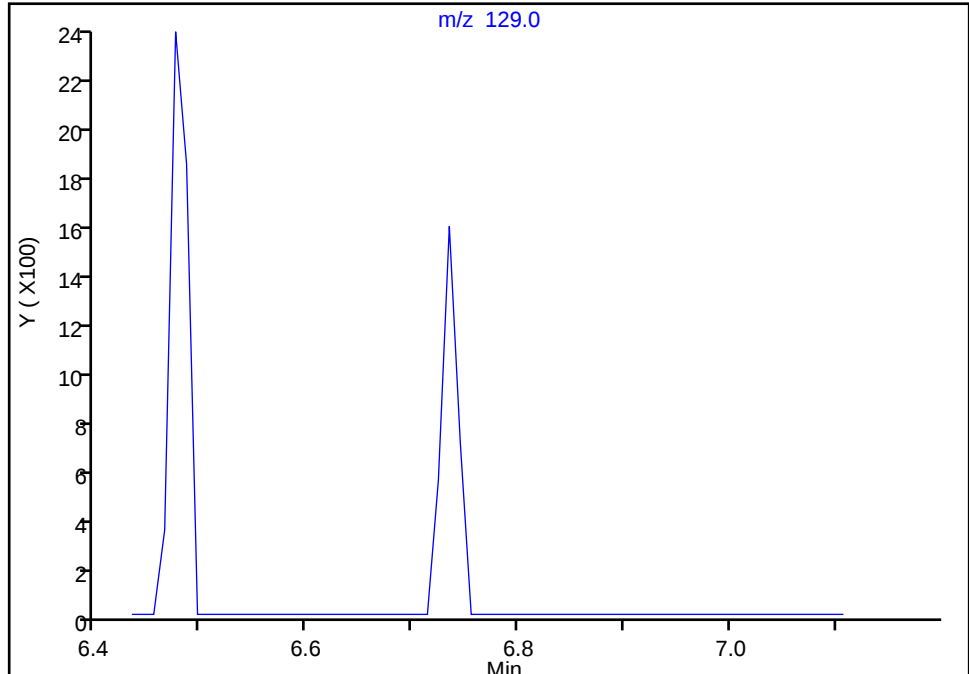
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

82 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

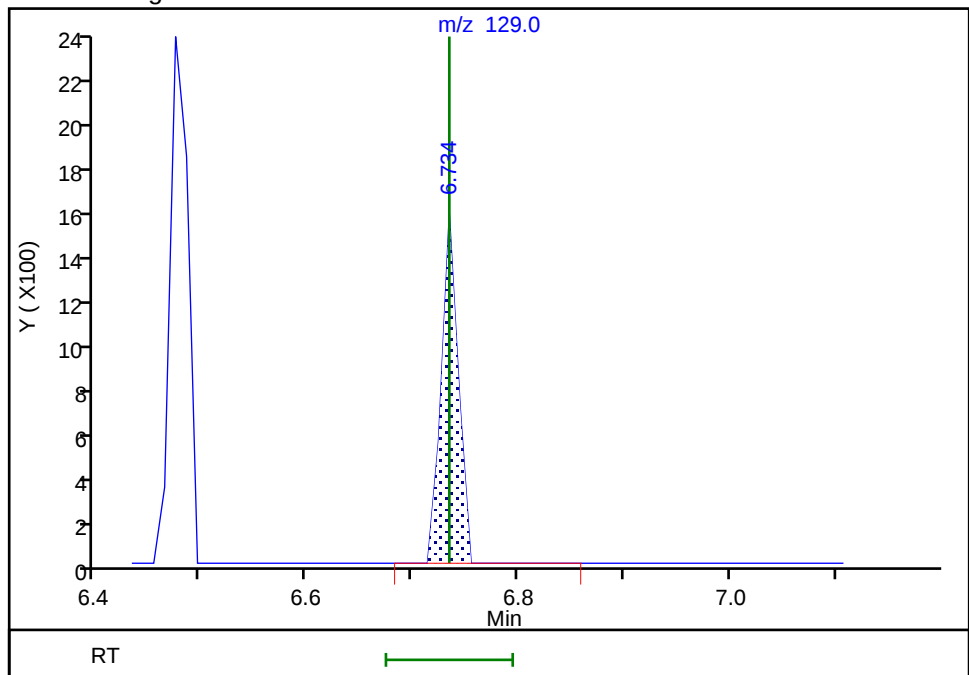
Not Detected
Expected RT: 6.73

Processing Integration Results



RT: 6.73
Area: 1731
Amount: 0.296520
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:15:40
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

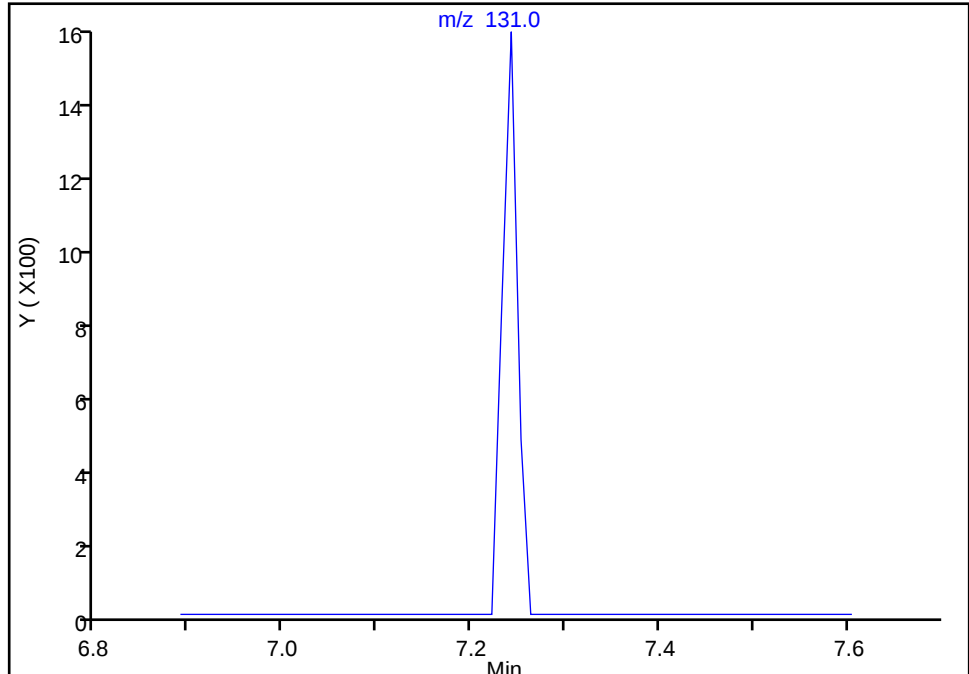
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

89 1,1,1,2-Tetrachloroethane, CAS: 630-20-6

Signal: 1

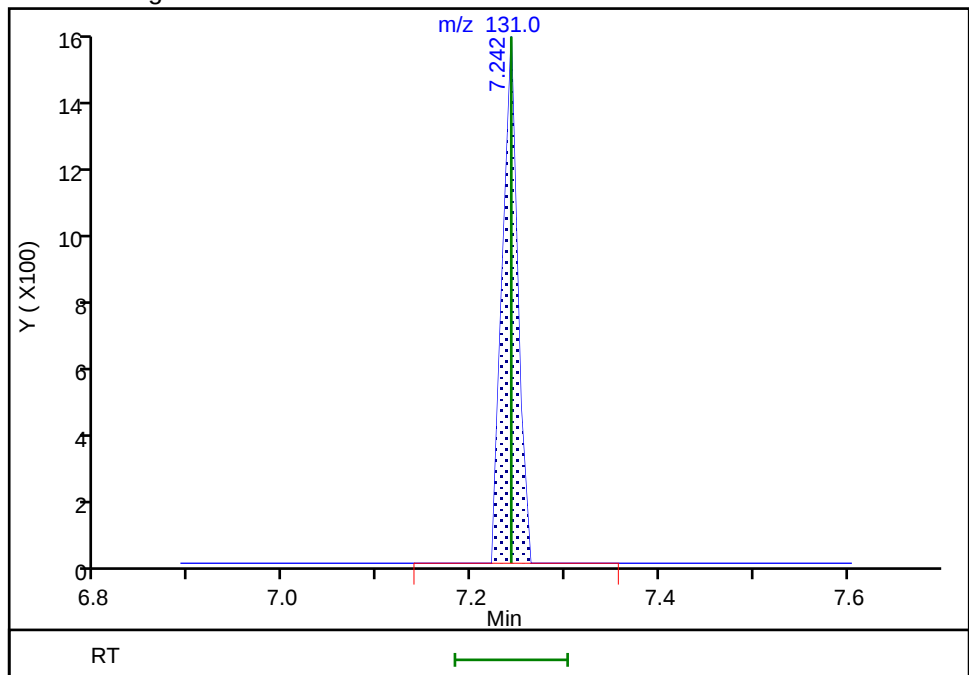
Not Detected
Expected RT: 7.24

Processing Integration Results



RT: 7.24
Area: 1793
Amount: 0.266010
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:15:44
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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05/17/2019

Eurofins TestAmerica, Buffalo

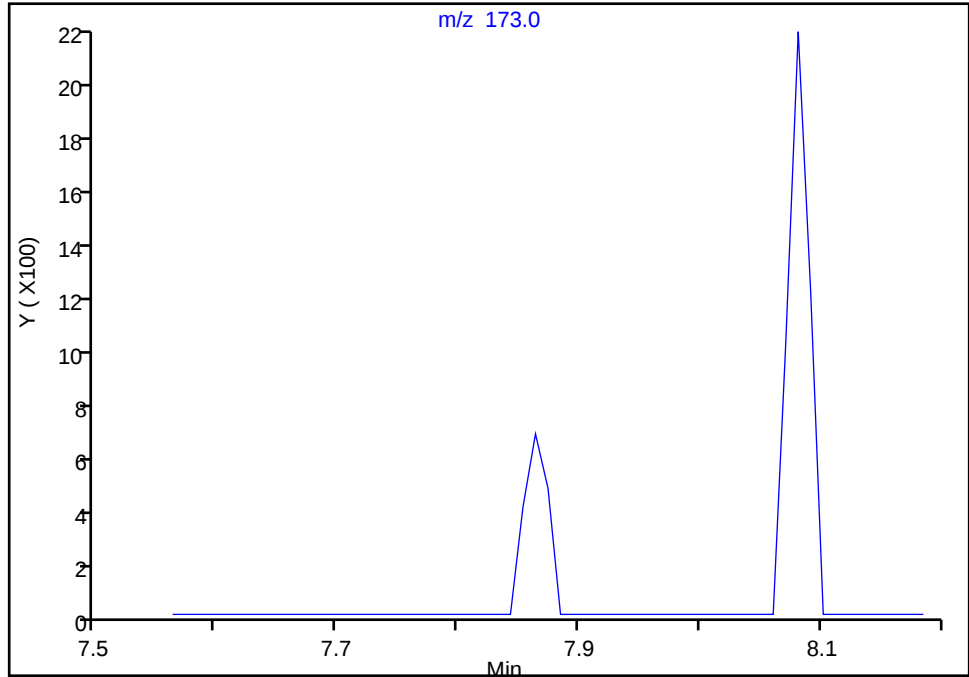
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D		
Injection Date:	19-Apr-2019 17:06:30	Instrument ID:	HP5975T
Lims ID:	IC 0.4		
Client ID:			
Operator ID:	KN	ALS Bottle#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector:	MS SCAN
		Worklist Smp#:	5

93 Bromoform, CAS: 75-25-2

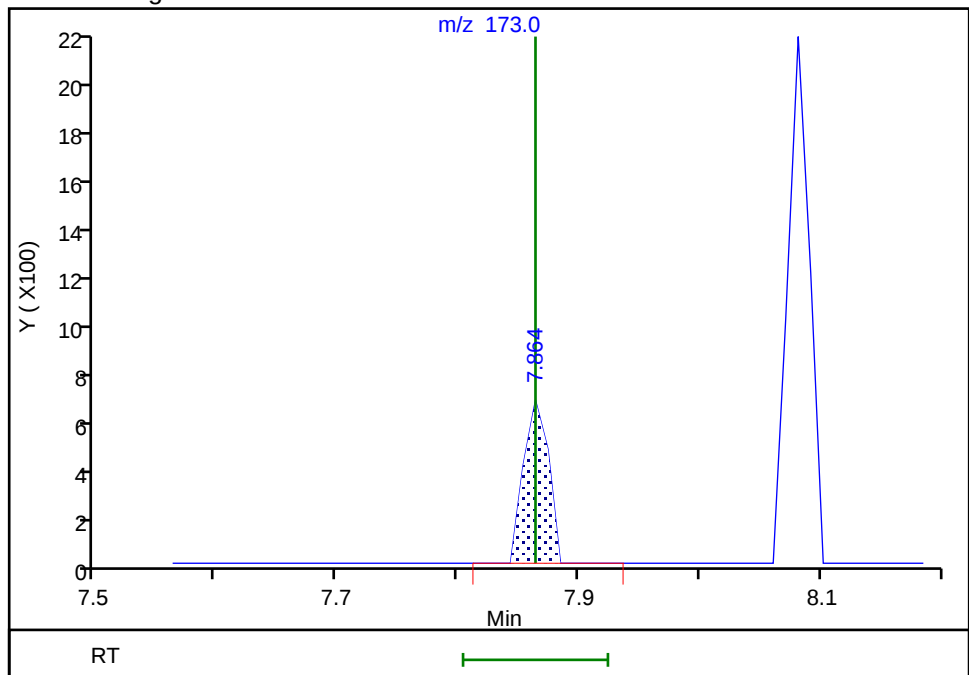
Signal: 1

Not Detected
Expected RT: 7.86

Processing Integration Results

RT: 7.86
Area: 937
Amount: 0.338536
Amount Units: ug/L

Manual Integration Results

Reviewer: nowakk, 22-Apr-2019 09:15:48
Audit Action: Manually IntegratedAudit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

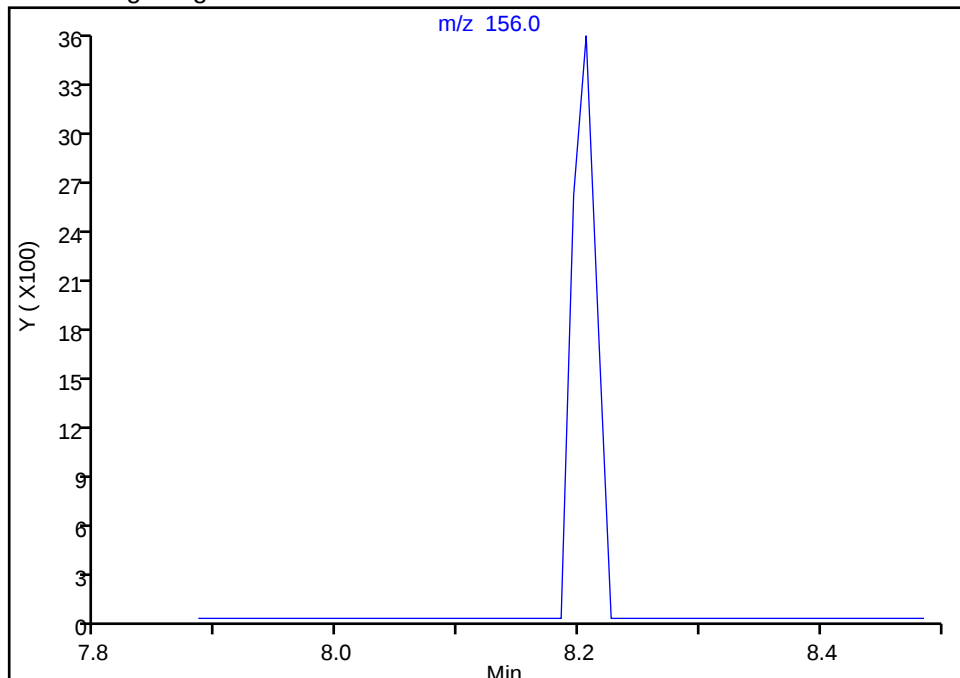
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Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

97 Bromobenzene, CAS: 108-86-1

Signal: 1

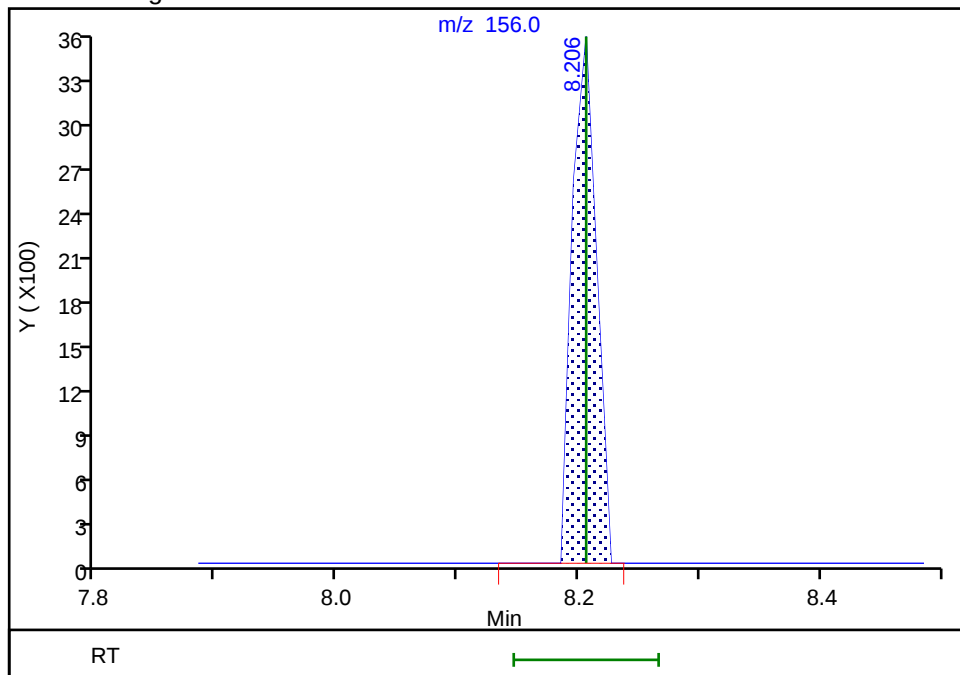
Not Detected
Expected RT: 8.21

Processing Integration Results



RT: 8.21
Area: 4927
Amount: 0.463851
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:15:52

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

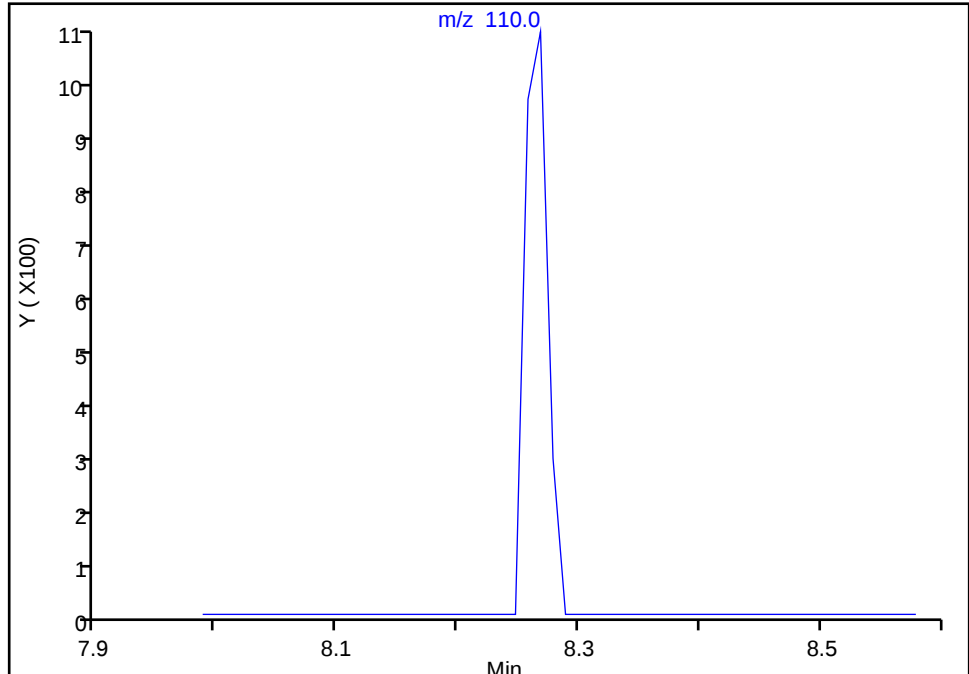
Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

100 1,2,3-Trichloropropane, CAS: 96-18-4
Signal: 1

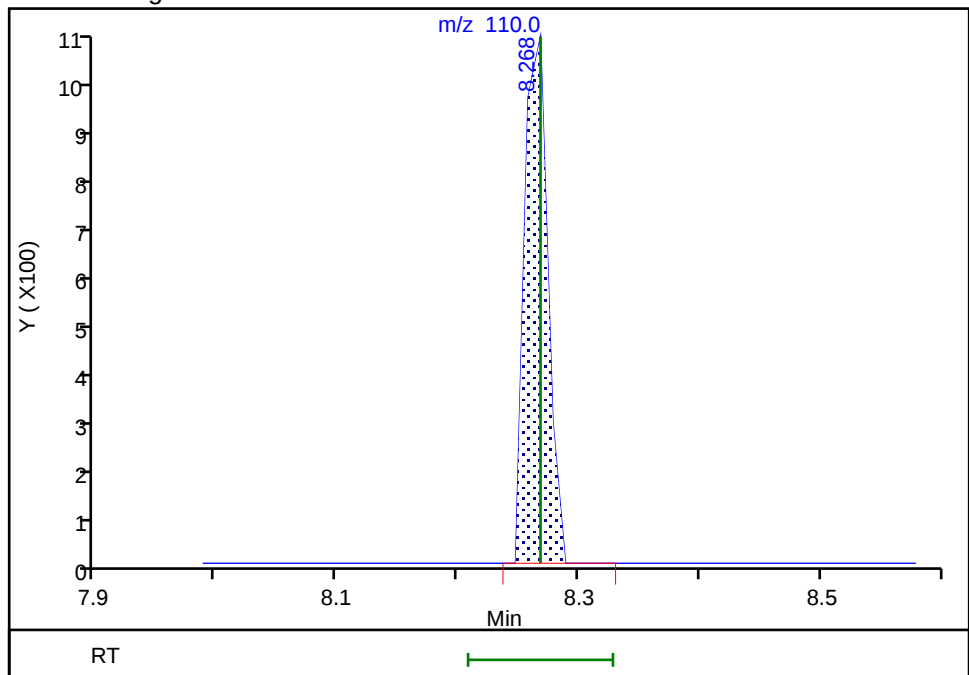
Not Detected
Expected RT: 8.27

Processing Integration Results



RT: 8.27
Area: 1385
Amount: 0.416666
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:15:58
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

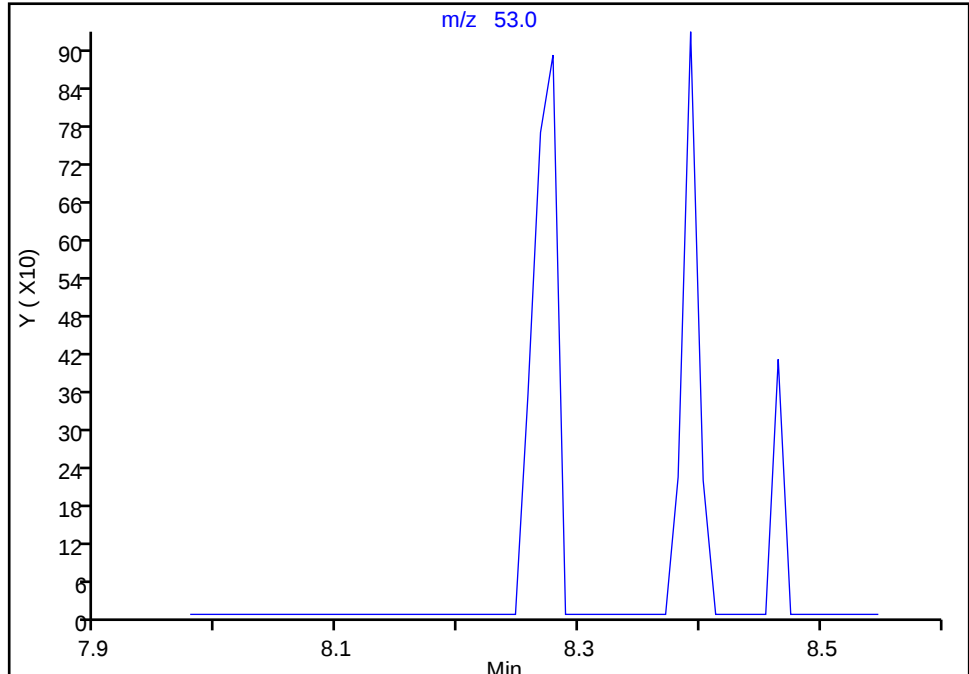
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Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

101 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

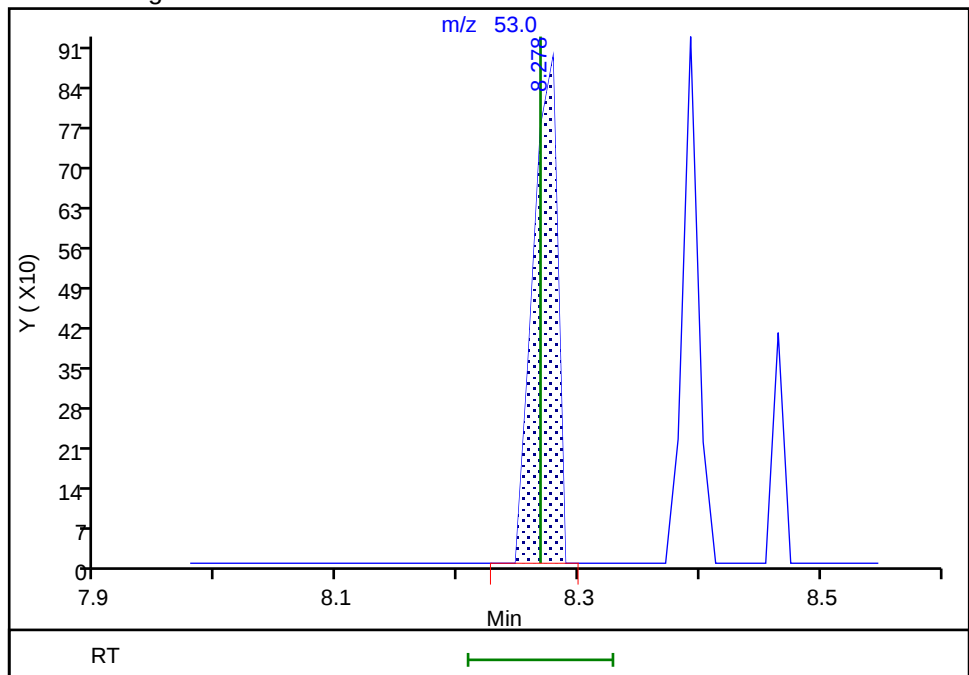
Not Detected
Expected RT: 8.27

Processing Integration Results



RT: 8.28
Area: 1246
Amount: 0.445671
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:16:03
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D

Injection Date: 19-Apr-2019 17:06:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: KN

ALS Bottle#:

27

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

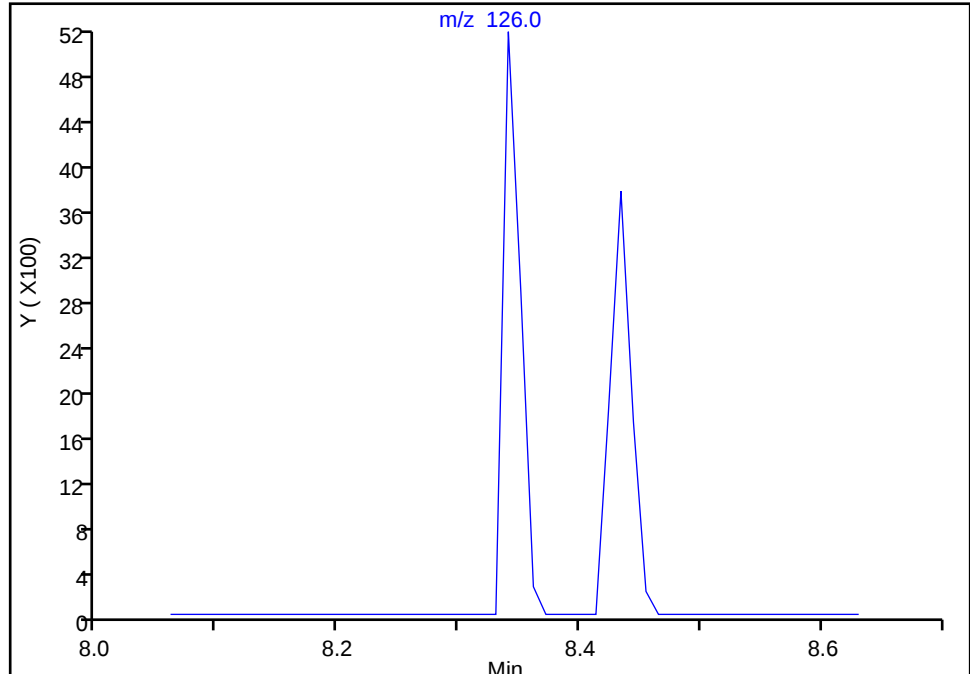
105 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

Not Detected

Expected RT: 8.34

Processing Integration Results



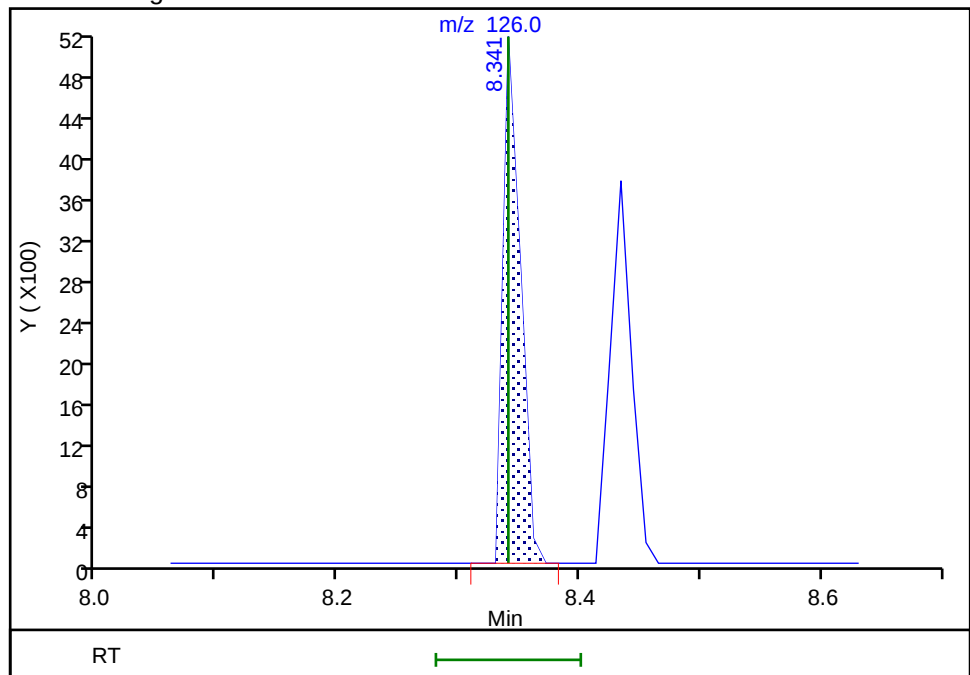
RT: 8.34

Area: 5153

Amount: 0.488084

Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:16:10

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

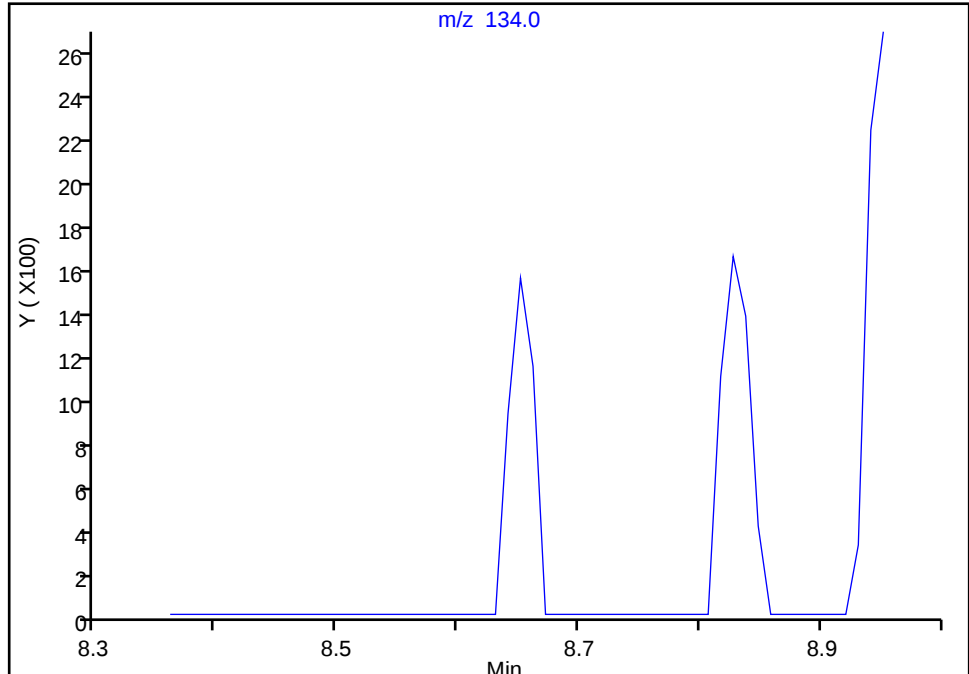
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

106 tert-Butylbenzene, CAS: 98-06-6

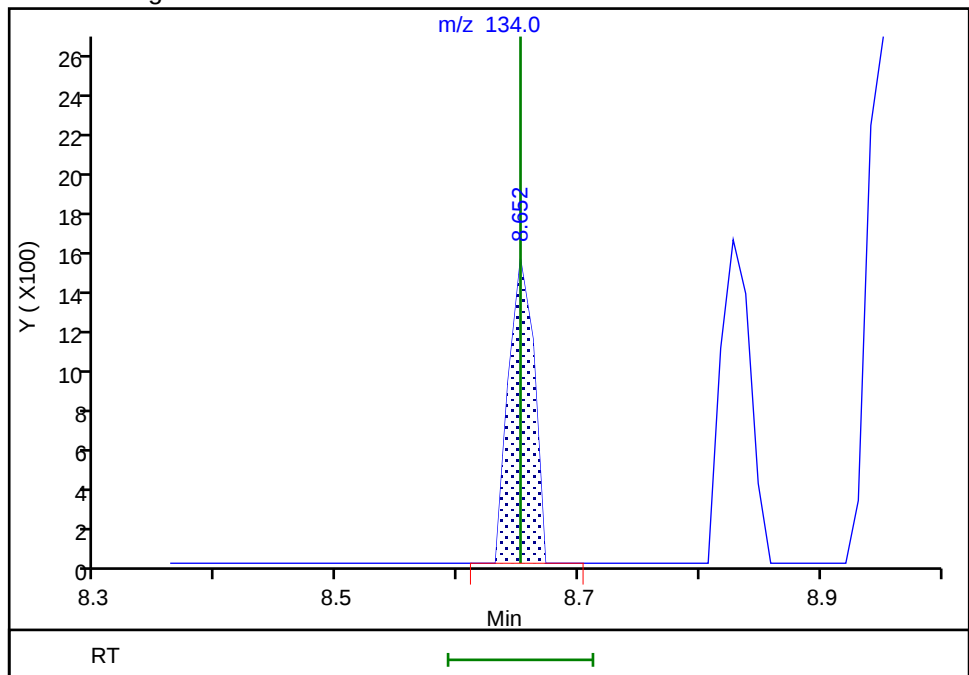
Signal: 1

Not Detected
Expected RT: 8.65

Processing Integration Results



Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:16:15
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

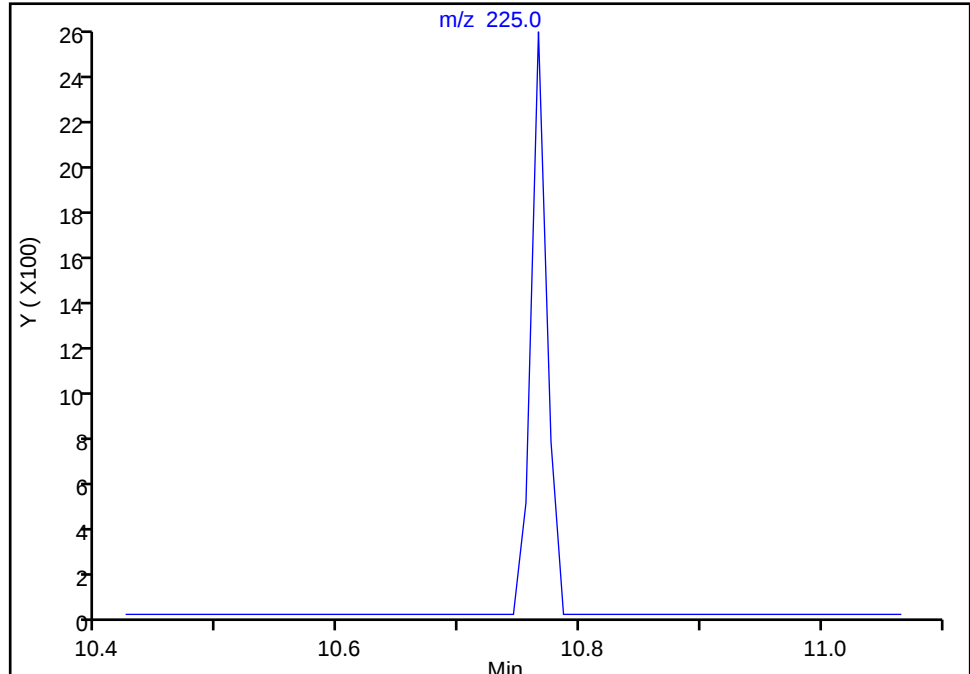
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

120 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

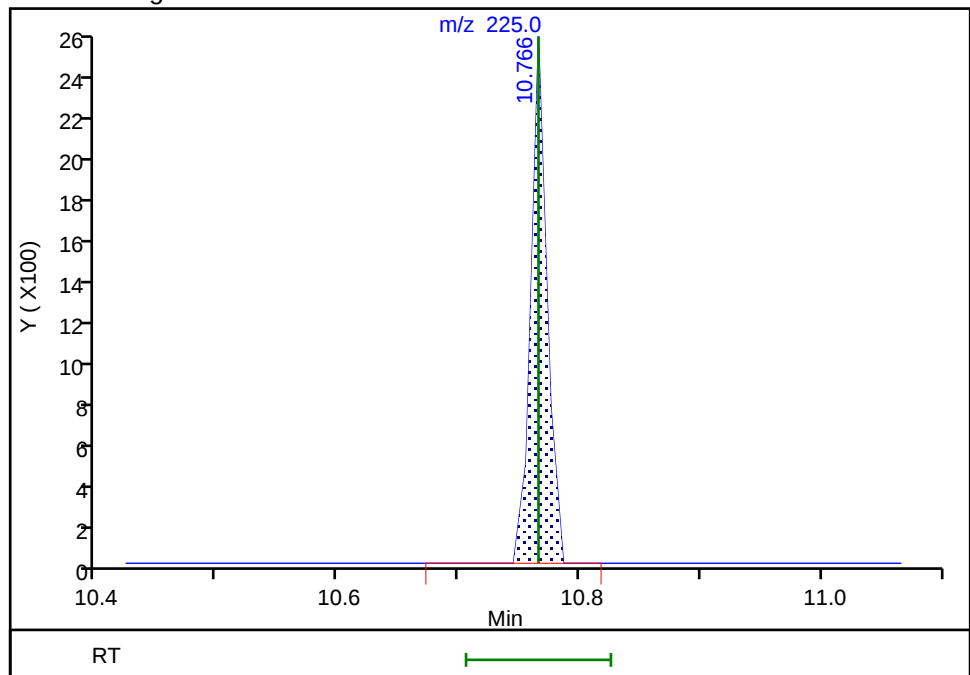
Not Detected
Expected RT: 10.77

Processing Integration Results



RT: 10.77
Area: 2381
Amount: 0.373014
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:16:27
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

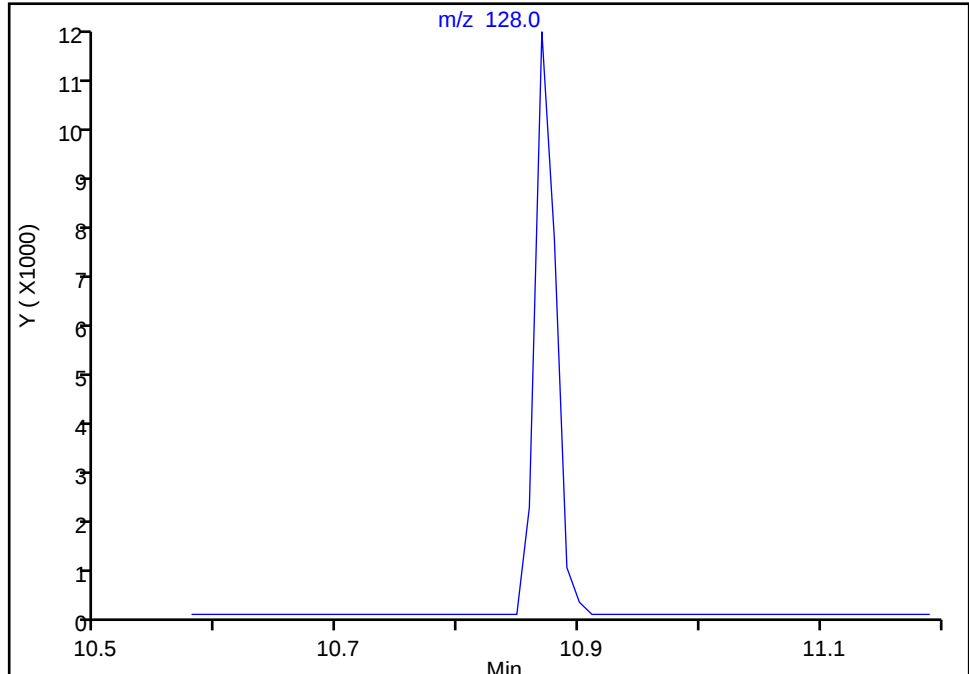
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

121 Naphthalene, CAS: 91-20-3

Signal: 1

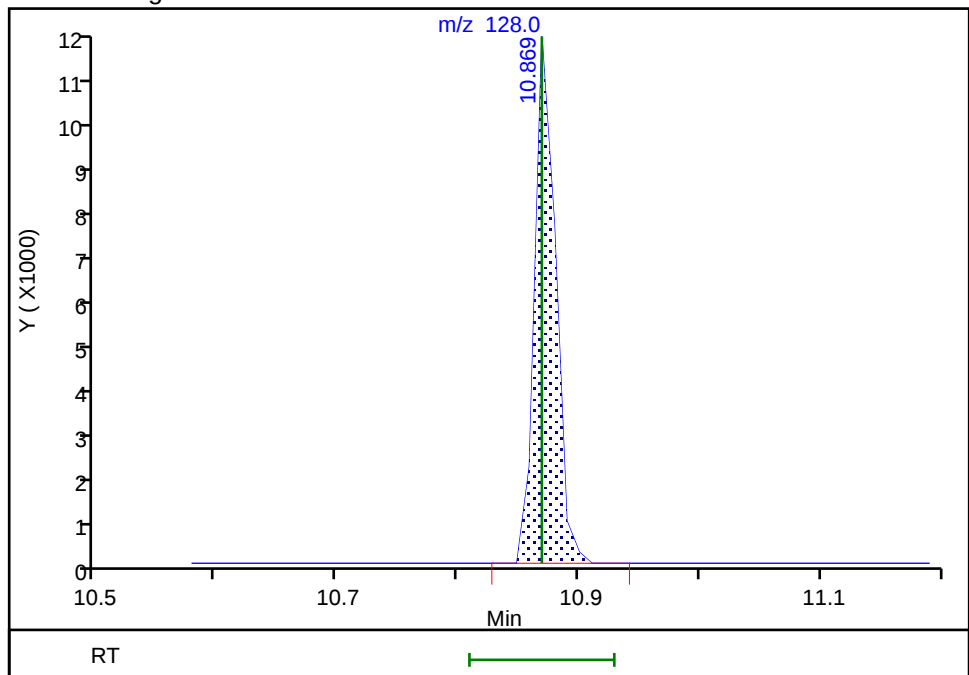
Not Detected
Expected RT: 10.87

Processing Integration Results



RT: 10.87
Area: 13429
Amount: 0.381779
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:16:32
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0008.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 19-Apr-2019 17:30:30 ALS Bottle#: 28 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 480-0080365-006
 Operator ID: KN Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Apr-2019 13:29:27 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1032

First Level Reviewer: nowakk

Date: 22-Apr-2019 09:18:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.859	4.858	0.001	99	171691	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	87	668022	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	97	341676	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	90	222481	25.0	24.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	272818	25.0	26.3	
\$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.000	94	904925	25.0	25.5	
\$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.082	0.000	0	263757	25.0	25.0	
11 Dichlorodifluoromethane	85	1.283	1.252	0.031	27	8042	1.00	0.8633	
13 Chloromethane	50	1.418	1.418	0.000	98	14665	1.00	1.20	
151 Butadiene	54	1.491	1.491	0.000	87	11119	1.00	1.07	
14 Vinyl chloride	62	1.511	1.511	0.000	74	11434	1.00	1.03	
15 Bromomethane	94	1.770	1.771	0.000	58	9862	1.00	1.06	M
16 Chloroethane	64	1.833	1.822	0.011	91	9753	1.00	0.8685	M
18 Dichlorofluoromethane	67	2.061	2.061	0.000	92	18905	1.00	1.15	
17 Trichlorofluoromethane	101	2.081	2.071	0.010	82	19624	1.00	1.16	
19 Ethyl ether	59	2.289	2.289	0.000	64	8531	1.00	1.10	
21 Acrolein	56	2.475	2.475	0.000	96	6441	5.00	4.50	
20 1,1,2-Trichloro-1,2,2-trif	101	2.517	2.506	0.011	70	8147	1.00	1.08	
22 1,1-Dichloroethene	96	2.506	2.517	-0.011	95	9124	1.00	1.14	
23 Acetone	43	2.620	2.620	0.000	81	13257	5.00	5.31	
24 Iodomethane	142	2.682	2.662	0.020	96	17251	1.00	1.13	
25 Carbon disulfide	76	2.714	2.714	0.000	94	26912	1.00	0.99	
27 3-Chloro-1-propene	41	2.838	2.838	0.000	86	17617	1.00	1.20	
28 Methyl acetate	43	2.890	2.879	0.011	83	14106	2.00	2.21	
30 Methylene Chloride	84	2.983	2.983	0.000	96	12889	1.00	1.26	
31 2-Methyl-2-propanol	59	3.149	3.149	0.000	49	6317	10.0	11.0	
32 trans-1,2-Dichloroethene	96	3.169	3.170	-0.001	90	10092	1.00	1.08	
33 Methyl tert-butyl ether	73	3.169	3.170	-0.001	79	23866	1.00	1.05	
34 Acrylonitrile	53	3.232	3.232	0.000	100	36433	10.0	11.1	
35 Hexane	57	3.346	3.335	0.011	93	14075	1.00	1.14	

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	3.543	3.532	0.011	98	17593	1.00	1.13	
39 Vinyl acetate	43	3.584	3.574	0.010	95	28350	2.00	1.97	
42 2,2-Dichloropropane	77	3.978	3.978	0.000	65	11240	1.00	1.05	
43 cis-1,2-Dichloroethene	96	4.009	4.009	0.000	80	11420	1.00	1.13	
44 2-Butanone (MEK)	43	4.040	4.030	0.010	81	19971	5.00	5.05	
47 Chlorobromomethane	128	4.206	4.206	0.000	93	5261	1.00	1.03	
48 Tetrahydrofuran	42	4.216	4.216	0.000	69	4615	2.00	1.74	
50 Chloroform	83	4.268	4.268	0.000	91	23091	1.00	1.17	
51 1,1,1-Trichloroethane	97	4.361	4.361	0.000	84	11187	1.00	1.00	
52 Cyclohexane	56	4.361	4.361	0.000	91	14213	1.00	0.9709	
53 Carbon tetrachloride	117	4.475	4.465	0.010	57	8045	1.00	1.07	
54 1,1-Dichloropropene	75	4.475	4.475	0.000	91	12700	1.00	1.06	
55 Benzene	78	4.641	4.641	0.000	47	37999	1.00	1.06	
56 Isobutyl alcohol	43	4.651	4.651	0.000	29	4343	25.0	21.5	M
57 1,2-Dichloroethane	62	4.703	4.693	0.010	94	14268	1.00	1.09	
59 n-Heptane	43	4.776	4.776	0.000	94	16598	1.00	1.21	
60 Trichloroethene	95	5.128	5.118	0.010	88	8782	1.00	0.9596	
62 Methylcyclohexane	83	5.221	5.211	0.010	88	15449	1.00	1.08	
63 1,2-Dichloropropane	63	5.315	5.315	0.000	84	10063	1.00	1.15	
66 1,4-Dioxane	88	5.429	5.429	0.000	1	1369	20.0	20.8	M
65 Dibromomethane	93	5.429	5.429	0.000	91	5657	1.00	0.9872	
67 Dichlorobromomethane	83	5.543	5.543	0.000	95	10794	1.00	1.04	
69 2-Chloroethyl vinyl ether	63	5.750	5.750	0.000	86	5083	1.00	0.8757	a
71 cis-1,3-Dichloropropene	75	5.864	5.854	0.010	90	12822	1.00	1.06	
72 4-Methyl-2-pentanone (MIBK)	43	5.968	5.968	0.000	96	40442	5.00	4.89	
73 Toluene	92	6.082	6.082	0.000	97	22564	1.00	0.9870	
75 trans-1,3-Dichloropropene	75	6.289	6.289	0.000	87	9680	1.00	0.8737	
77 Ethyl methacrylate	69	6.309	6.310	-0.001	61	6398	1.00	0.7785	
78 1,1,2-Trichloroethane	83	6.434	6.434	0.000	84	6670	1.00	0.9794	
79 Tetrachloroethene	166	6.475	6.486	-0.011	90	10304	1.00	1.15	
80 1,3-Dichloropropane	76	6.558	6.558	0.000	77	12353	1.00	0.9208	M
81 2-Hexanone	43	6.600	6.600	0.000	95	26109	5.00	4.90	
82 Chlorodibromomethane	129	6.734	6.734	0.000	38	6236	1.00	1.11	M
83 Ethylene Dibromide	107	6.828	6.817	0.011	93	7796	1.00	0.99	
86 Chlorobenzene	112	7.170	7.170	0.000	72	29417	1.00	1.11	
88 Ethylbenzene	91	7.232	7.232	0.000	99	43096	1.00	1.02	
89 1,1,1,2-Tetrachloroethane	131	7.242	7.242	0.000	72	7596	1.00	1.17	
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	17091	1.00	1.02	
91 o-Xylene	106	7.636	7.646	-0.010	97	15756	1.00	0.9713	
92 Styrene	104	7.667	7.667	0.000	93	27461	1.00	0.99	
93 Bromoform	173	7.854	7.864	-0.010	13	2364	1.00	0.8849	M
95 Isopropylbenzene	105	7.926	7.926	0.000	96	40176	1.00	1.00	
97 Bromobenzene	156	8.206	8.206	0.000	95	10449	1.00	1.00	
98 1,1,2,2-Tetrachloroethane	83	8.237	8.237	0.000	89	9794	1.00	1.03	
99 N-Propylbenzene	91	8.258	8.258	0.000	98	50657	1.00	1.01	
100 1,2,3-Trichloropropane	110	8.268	8.268	0.000	60	3698	1.00	1.13	M
101 trans-1,4-Dichloro-2-buten	53	8.268	8.268	0.000	69	2766	1.00	1.00	
105 2-Chlorotoluene	126	8.341	8.341	0.000	96	10634	1.00	1.02	
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	93	37328	1.00	1.05	
102 4-Chlorotoluene	91	8.434	8.434	0.000	97	35070	1.00	1.14	
106 tert-Butylbenzene	134	8.662	8.652	0.010	93	8666	1.00	1.13	
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	96	40441	1.00	1.13	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.828	8.828	0.000	94	43226	1.00	0.9880	
111 4-Isopropyltoluene	119	8.952	8.952	0.000	95	36791	1.00	0.9855	
110 1,3-Dichlorobenzene	146	8.962	8.962	0.000	96	22056	1.00	1.07	
113 1,4-Dichlorobenzene	146	9.035	9.035	0.000	91	22049	1.00	1.06	
115 n-Butylbenzene	91	9.284	9.284	0.000	97	38787	1.00	1.08	
116 1,2-Dichlorobenzene	146	9.346	9.346	0.000	97	21981	1.00	1.10	
117 1,2-Dibromo-3-Chloropropan	75	10.019	10.019	0.000	1	1606	1.00	1.34	M
119 1,2,4-Trichlorobenzene	180	10.662	10.662	0.000	76	14318	1.00	0.9764	M
120 Hexachlorobutadiene	225	10.766	10.766	0.000	88	5802	1.00	0.9211	
121 Naphthalene	128	10.869	10.869	0.000	85	31499	1.00	0.9074	M
122 1,2,3-Trichlorobenzene	180	11.066	11.066	0.000	94	14821	1.00	1.05	
S 124 1,2-Dichloroethene, Total	1				0			2.21	
S 126 Xylenes, Total	1				0			1.99	
S 125 Total BTEX	1				0			5.05	
S 123 1,3-Dichloropropene, Total	1				0			1.93	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00153

Amount Added: 1.00

Units: uL

GAS CORP mix_00336

Amount Added: 1.00

Units: uL

T_8260_Surr_00187

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00217

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0008.D

Injection Date: 19-Apr-2019 17:30:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

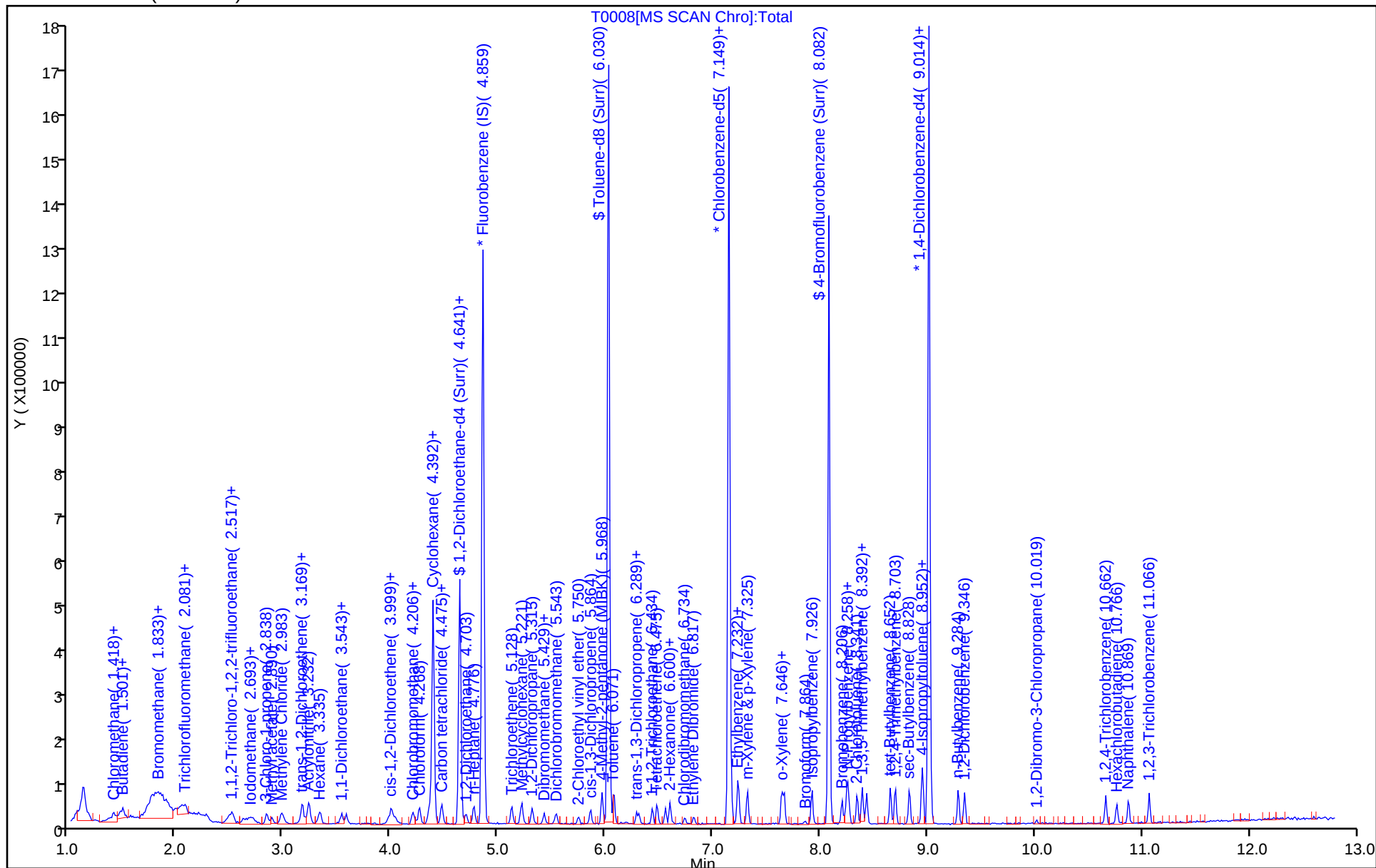
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Operator ID: KN

Worklist Smp#: 6

ALS Bottle#: 28



Eurofins TestAmerica, Buffalo

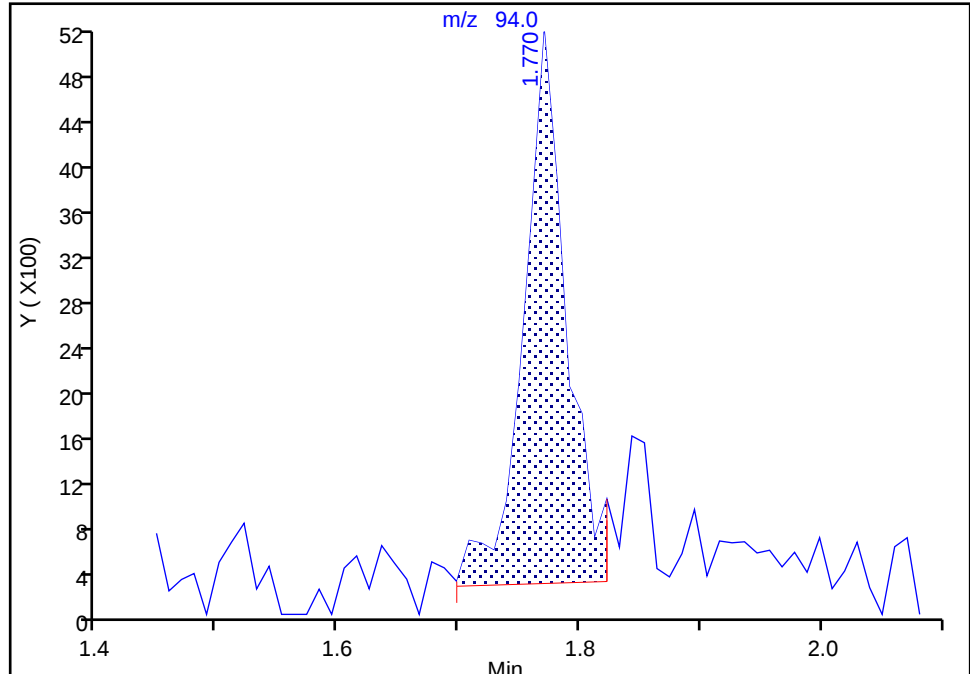
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Injection Date:	19-Apr-2019 17:30:30	Instrument ID:	HP5975T
Lims ID:	IC		
Client ID:			
Operator ID:	KN	ALS Bottle#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector:	MS SCAN
		Worklist Smp#:	6

15 Bromomethane, CAS: 74-83-9

Signal: 1

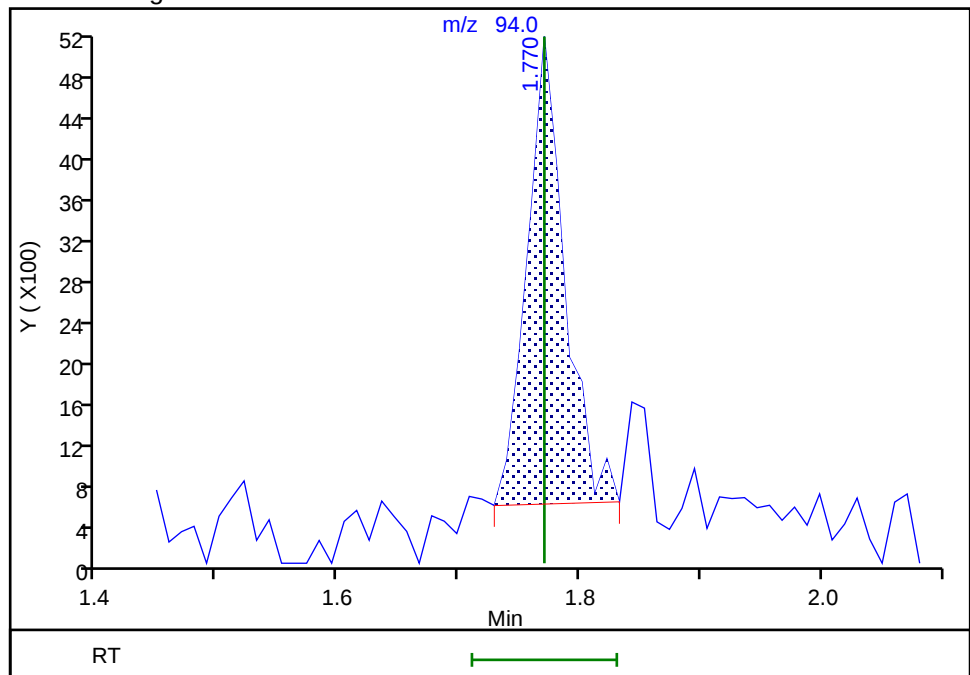
RT: 1.77
Area: 12280
Amount: 1.242394
Amount Units: ug/L

Processing Integration Results



RT: 1.77
Area: 9862
Amount: 1.057215
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 23-Apr-2019 12:44:10
Audit Action: Manually Integrated

Audit Reason: Baseline
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Eurofins TestAmerica, Buffalo

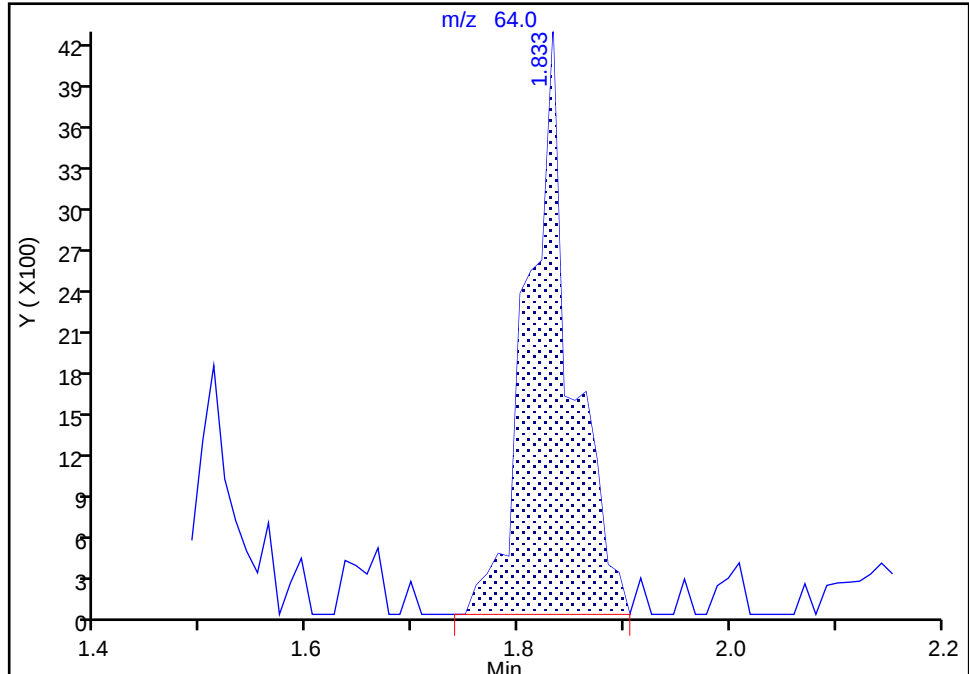
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Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

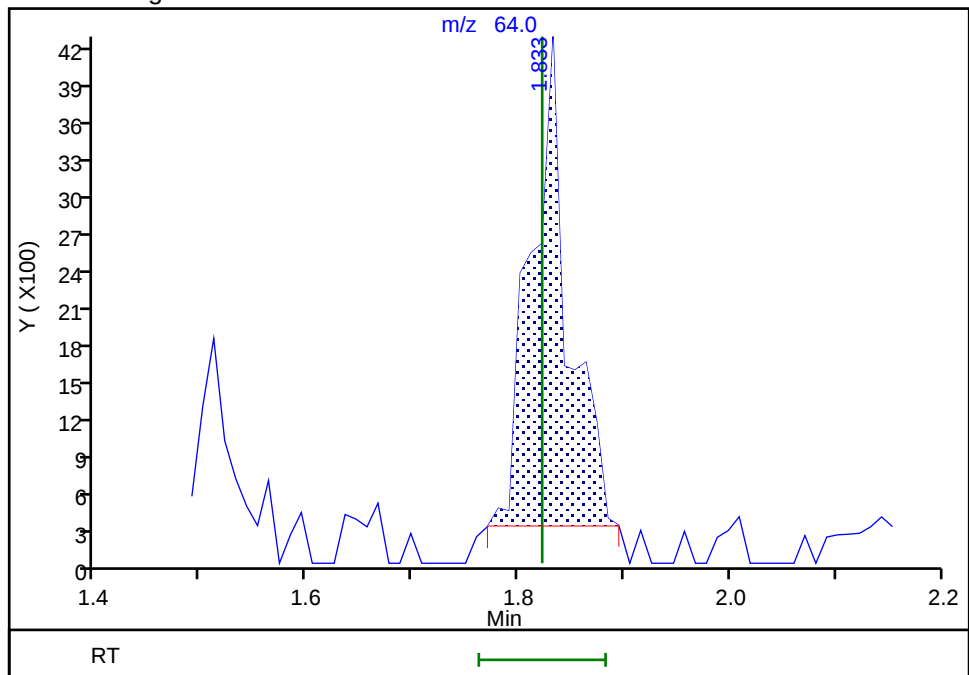
RT: 1.83
Area: 12345
Amount: 1.509709
Amount Units: ug/L

Processing Integration Results



RT: 1.83
Area: 9753
Amount: 0.868549
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 23-Apr-2019 12:44:43
Audit Action: Manually Integrated

Audit Reason: Baseline
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Eurofins TestAmerica, Buffalo

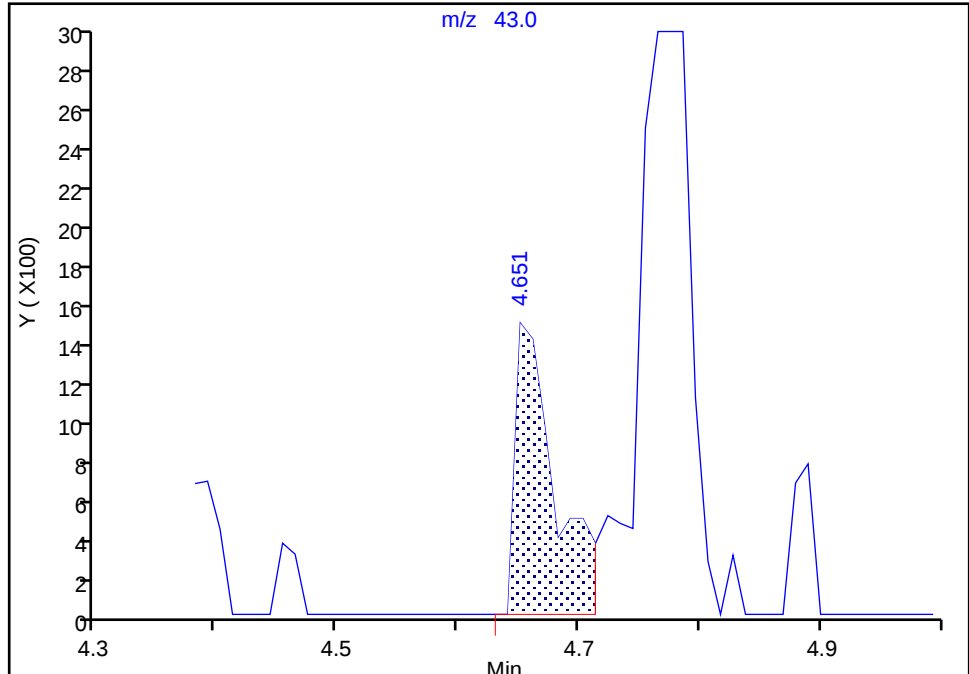
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Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

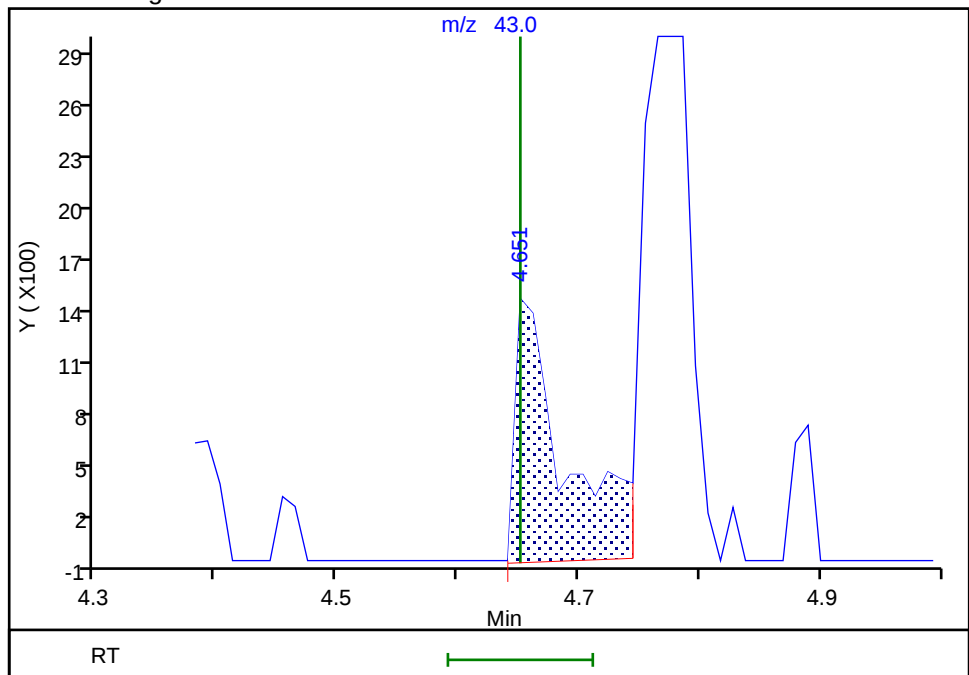
RT: 4.65
Area: 3459
Amount: 18.243292
Amount Units: ug/L

Processing Integration Results



RT: 4.65
Area: 4343
Amount: 21.453645
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:44:51
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

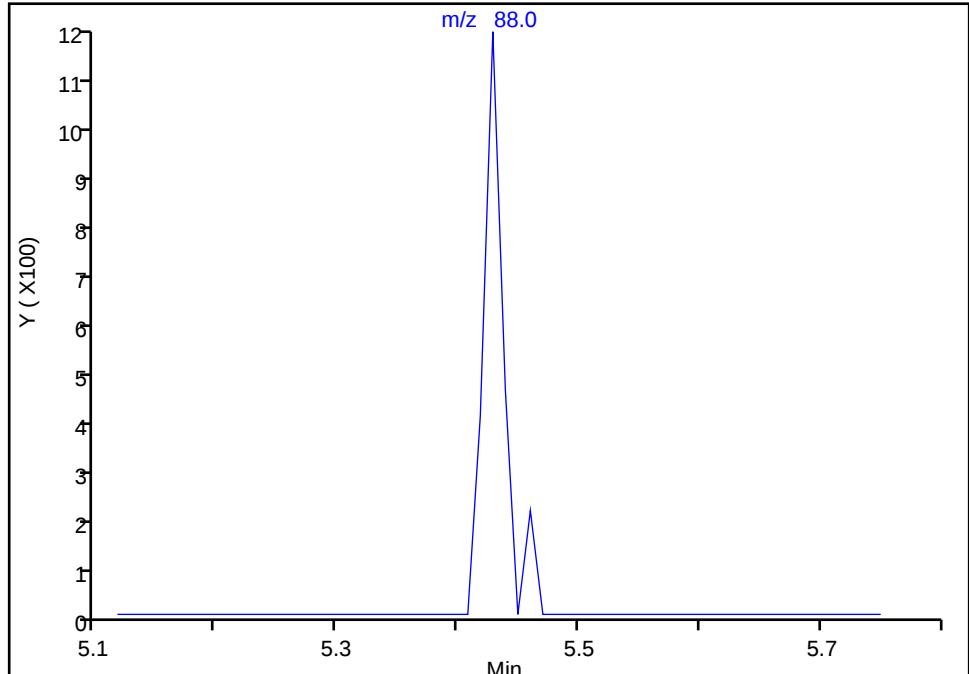
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Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

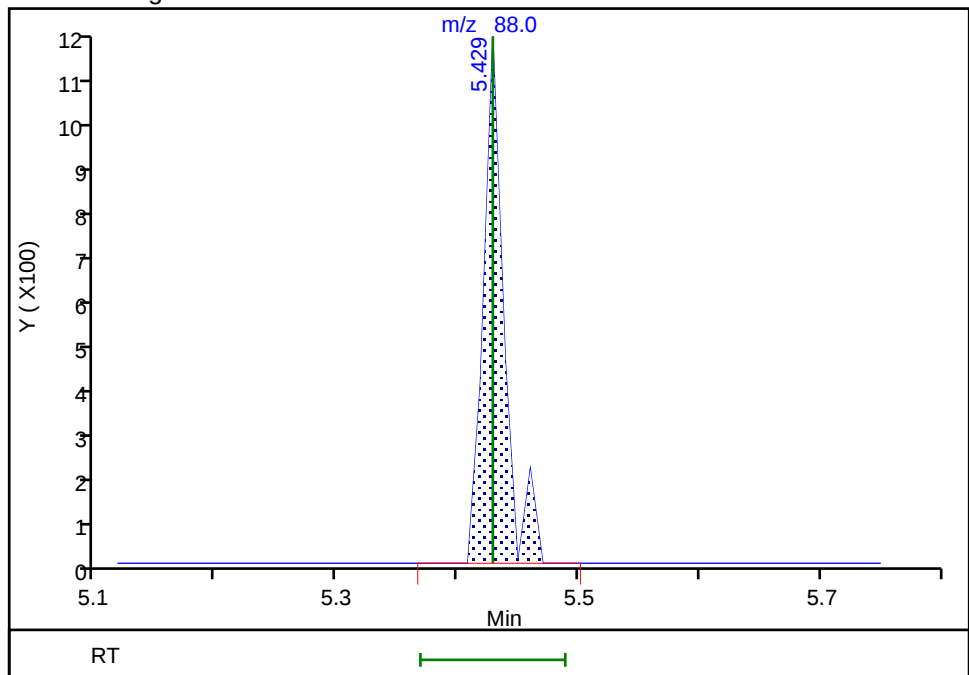
Not Detected
Expected RT: 5.43

Processing Integration Results



RT: 5.43
Area: 1369
Amount: 20.755063
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:17:21
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

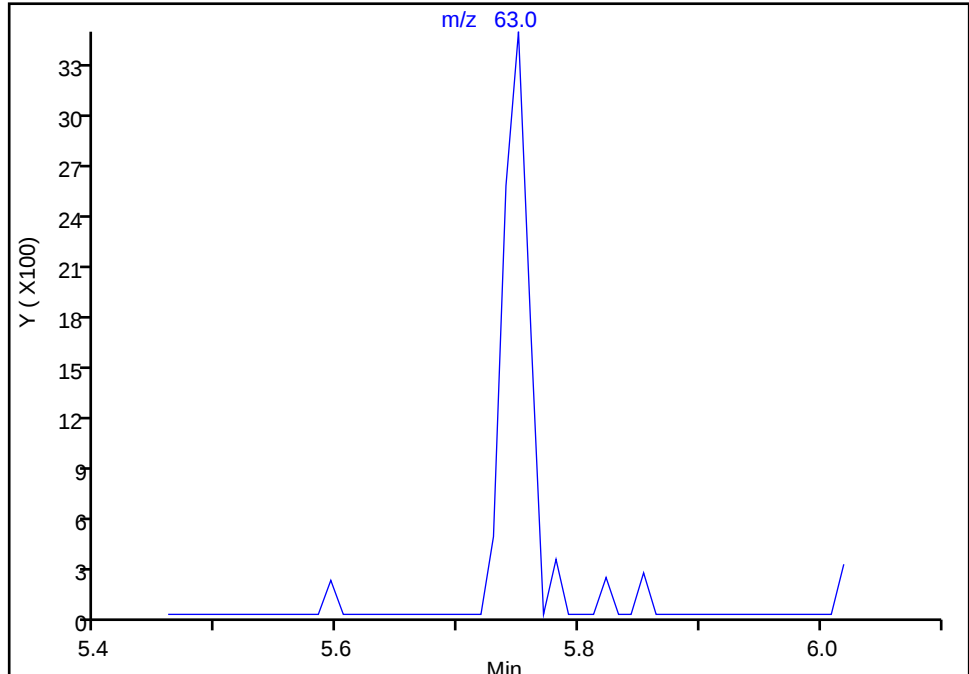
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Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

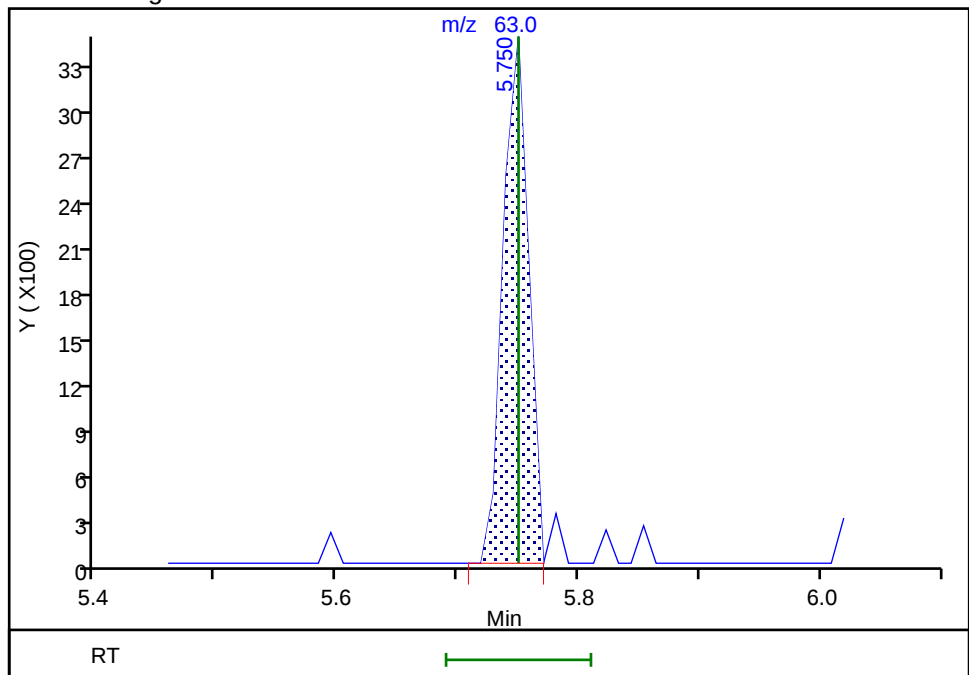
Not Detected
Expected RT: 5.75

Processing Integration Results



RT: 5.75
Area: 5083
Amount: 0.875700
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:17:27
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

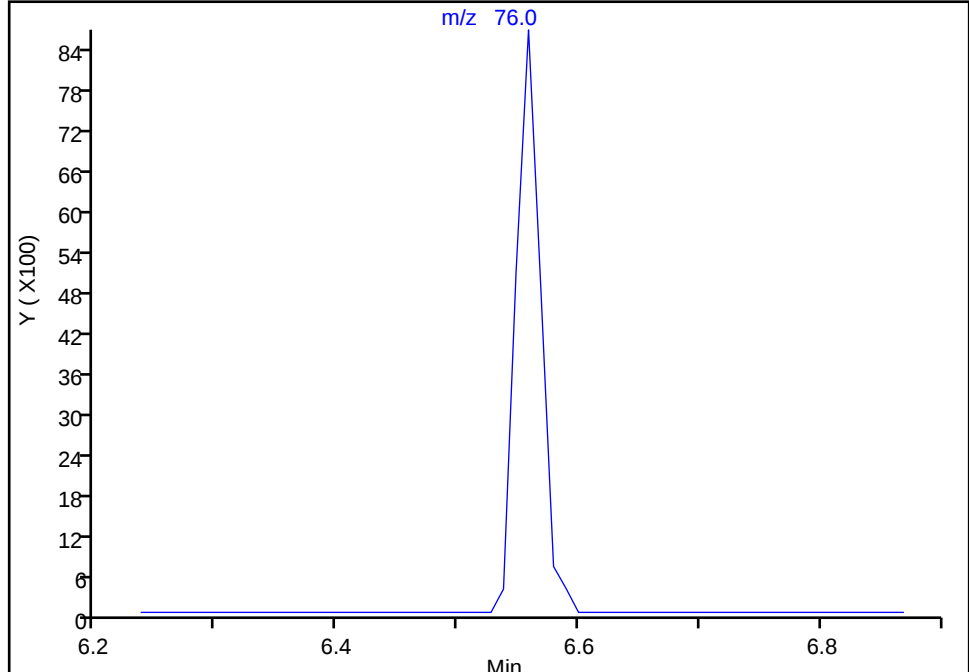
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Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

80 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

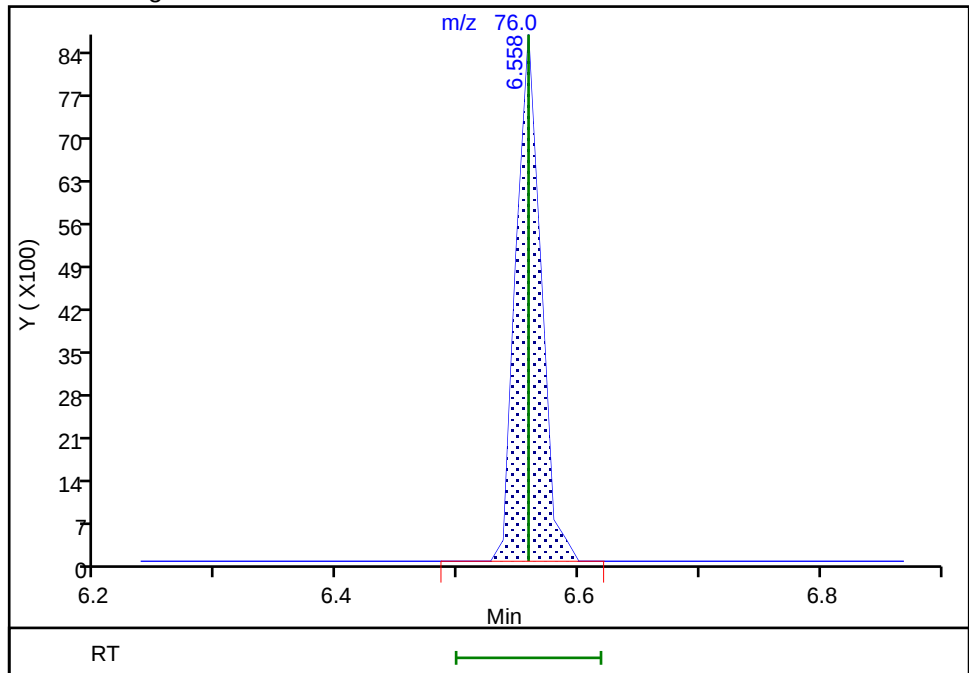
Not Detected
Expected RT: 6.56

Processing Integration Results



RT: 6.56
Area: 12353
Amount: 0.920841
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:17:40
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

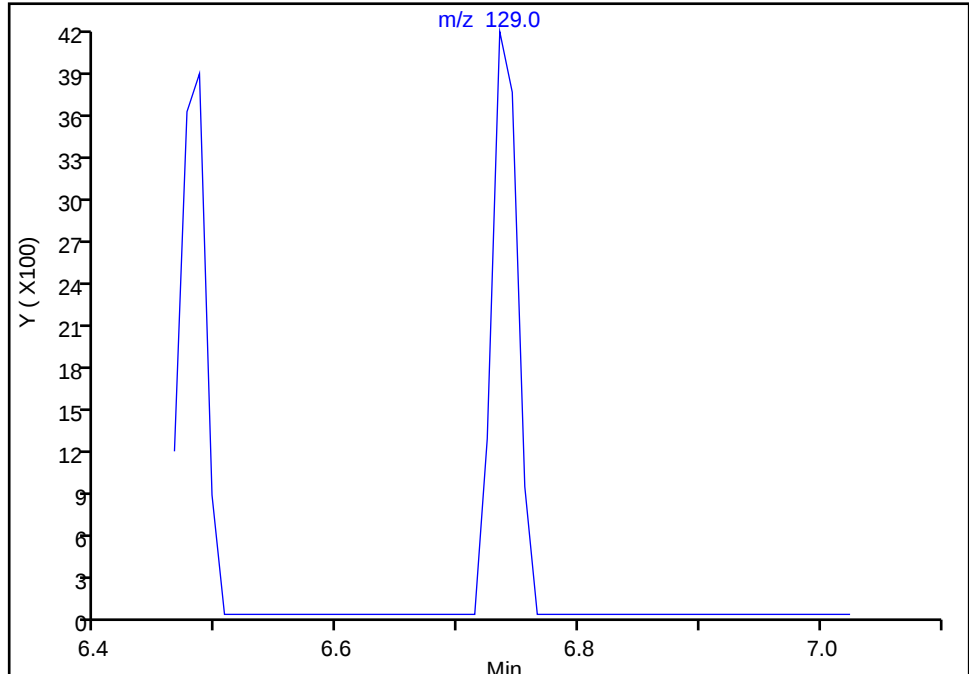
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Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

82 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

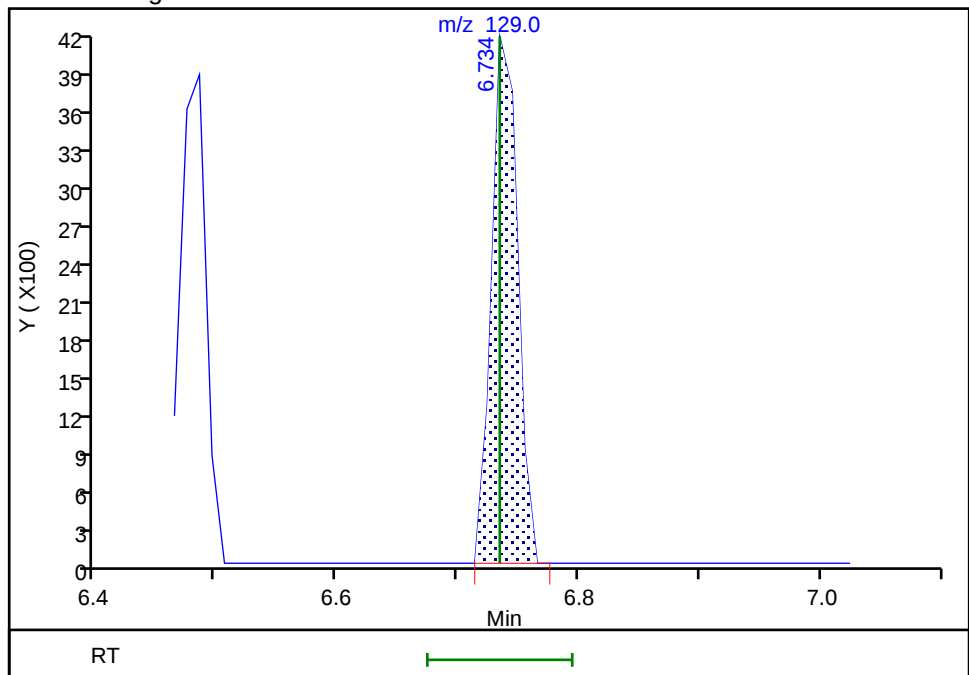
Not Detected
Expected RT: 6.73

Processing Integration Results



RT: 6.73
Area: 6236
Amount: 1.106709
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:17:44
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

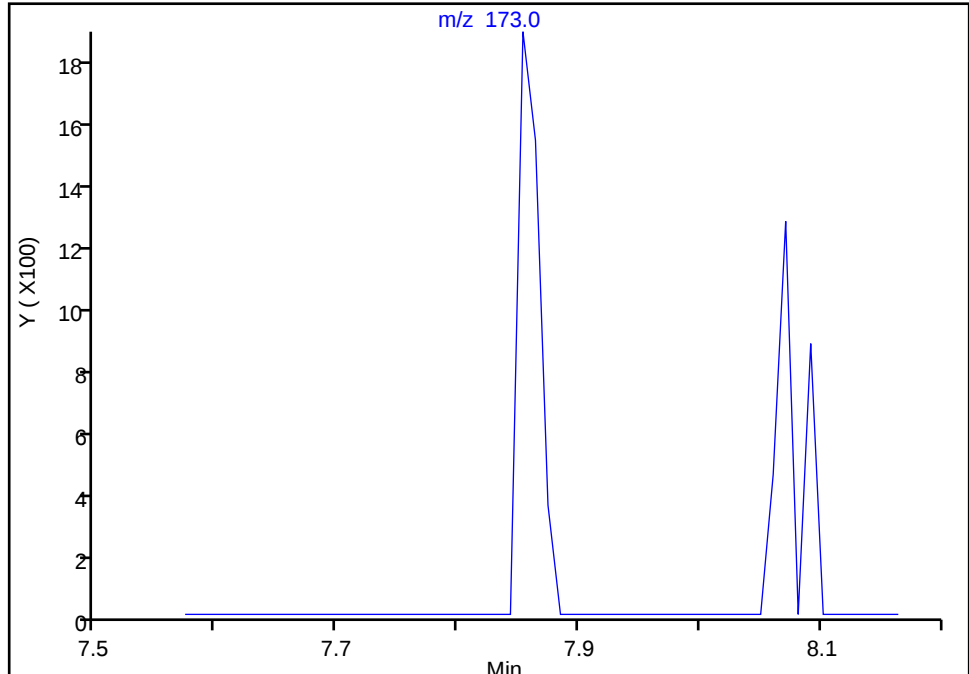
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Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

93 Bromoform, CAS: 75-25-2

Signal: 1

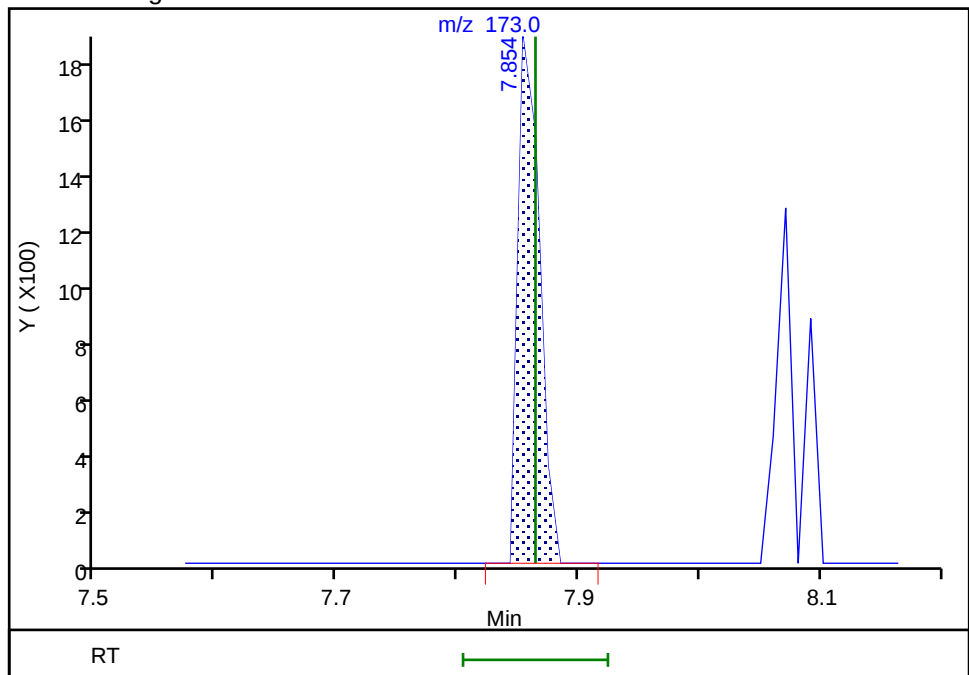
Not Detected
Expected RT: 7.86

Processing Integration Results



RT: 7.85
Area: 2364
Amount: 0.884877
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:17:53
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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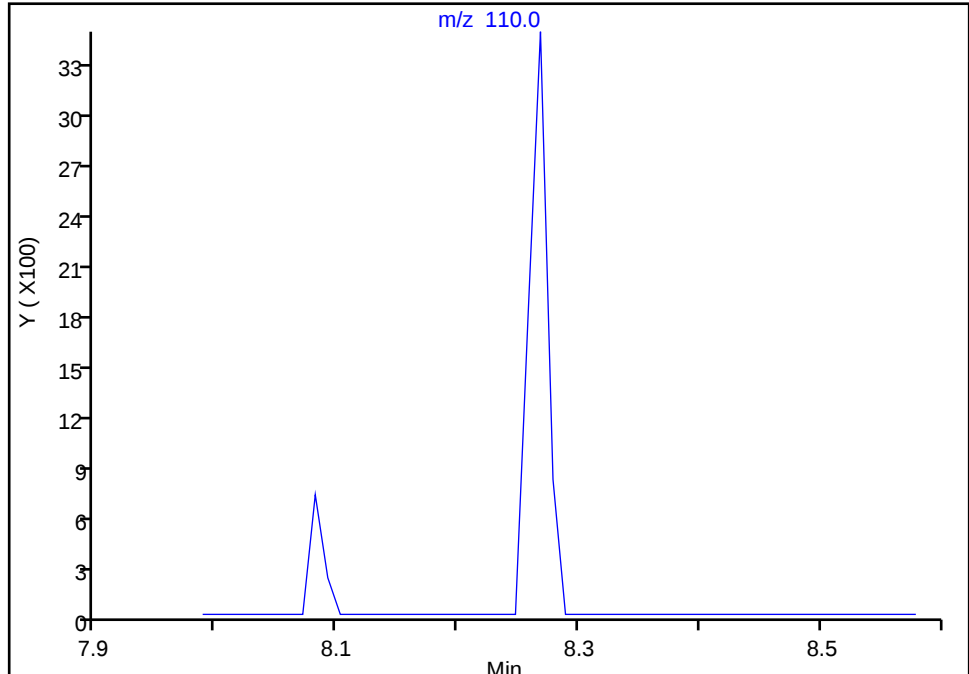
Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0008.D
Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

100 1,2,3-Trichloropropane, CAS: 96-18-4
Signal: 1

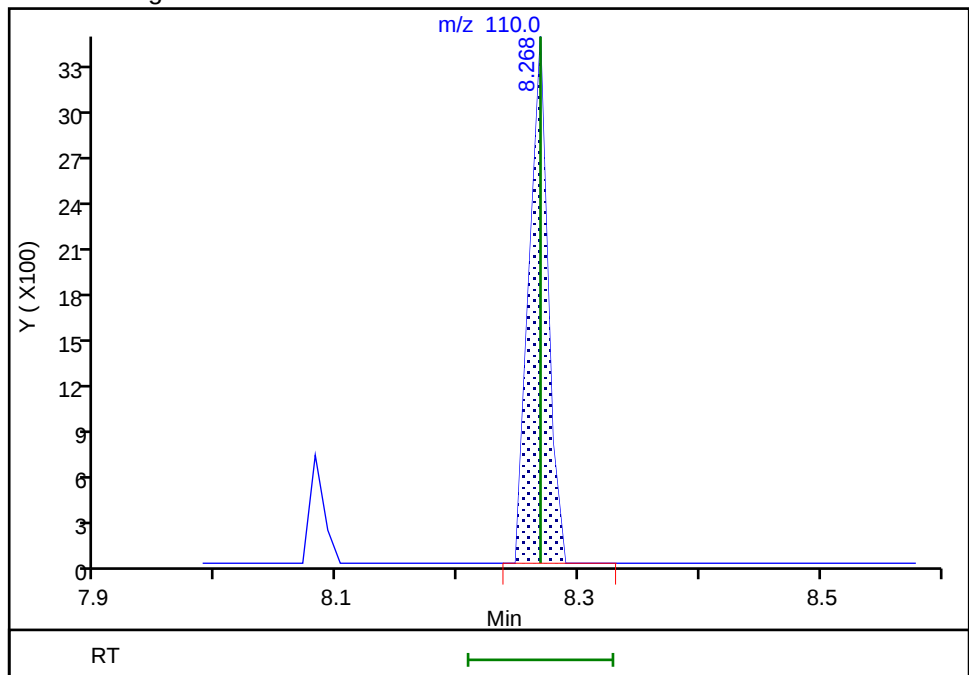
Not Detected
Expected RT: 8.27

Processing Integration Results



RT: 8.27
Area: 3698
Amount: 1.127337
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:18:07
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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05/17/2019

Eurofins TestAmerica, Buffalo

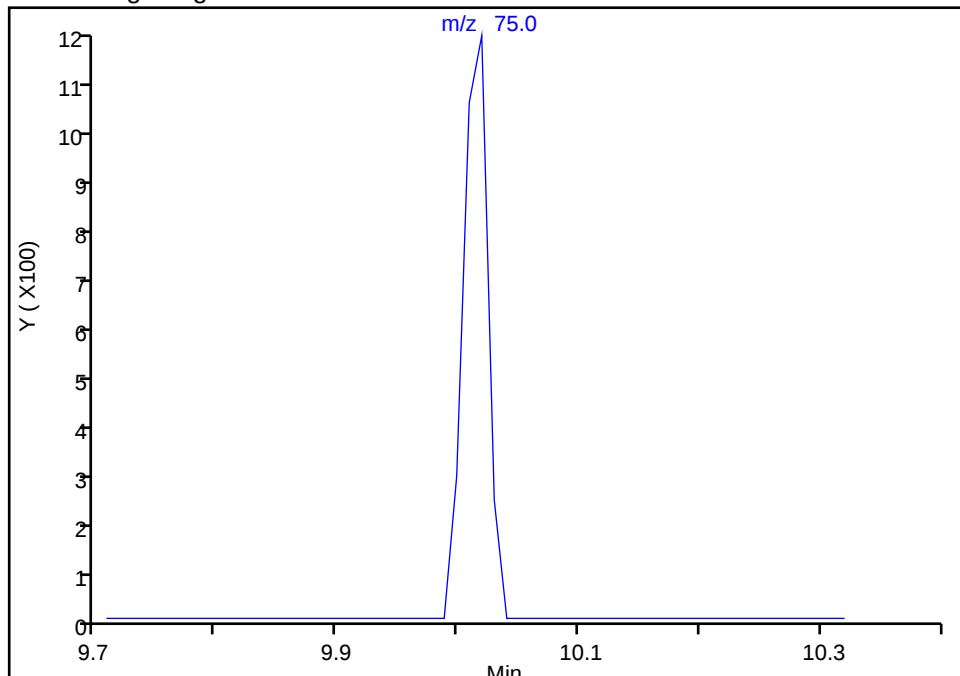
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Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

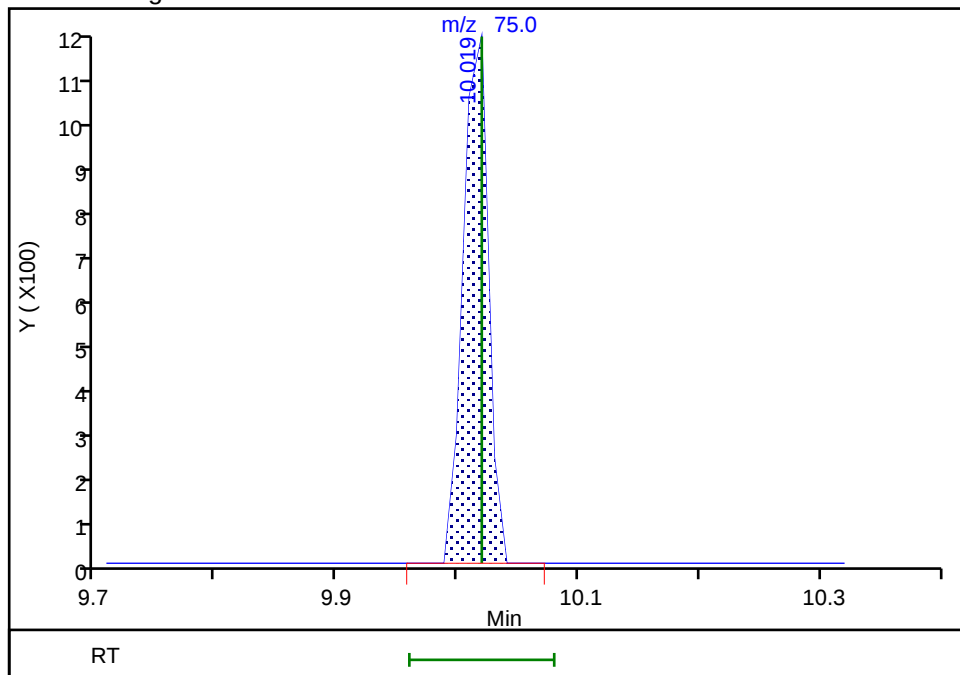
Not Detected
Expected RT: 10.02

Processing Integration Results



RT: 10.02
Area: 1606
Amount: 1.337048
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:18:19
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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05/17/2019

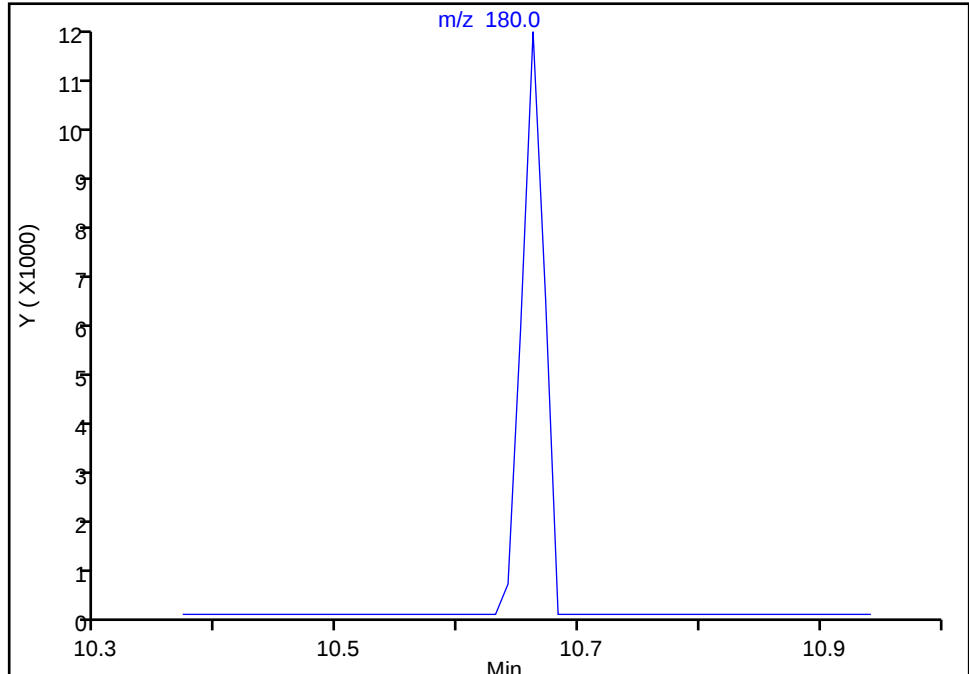
Eurofins TestAmerica, Buffalo

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Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

119 1,2,4-Trichlorobenzene, CAS: 120-82-1
Signal: 1

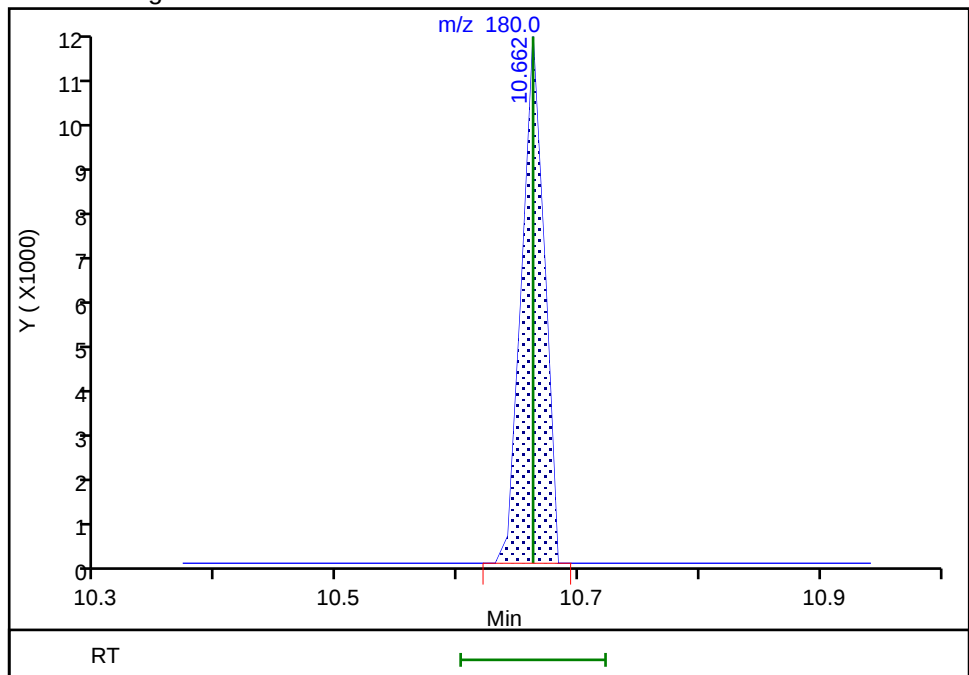
Not Detected
Expected RT: 10.66

Processing Integration Results



RT: 10.66
Area: 14318
Amount: 0.976371
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:18:28
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

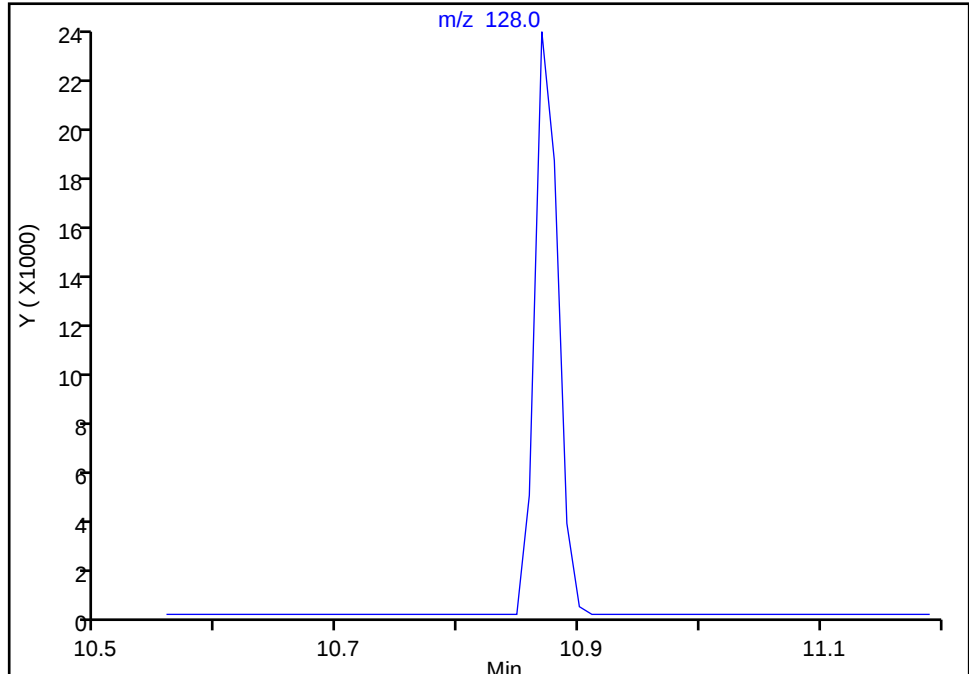
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Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

121 Naphthalene, CAS: 91-20-3

Signal: 1

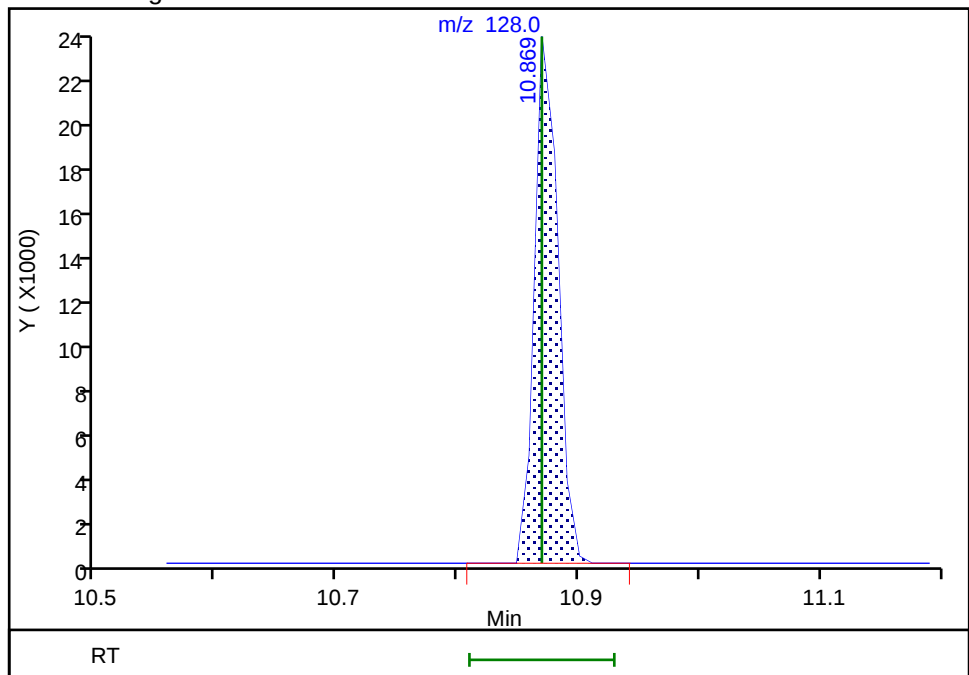
Not Detected
Expected RT: 10.87

Processing Integration Results



RT: 10.87
Area: 31499
Amount: 0.907432
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:18:39
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0009.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 19-Apr-2019 17:55:30 ALS Bottle#: 29 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic 2
 Misc. Info.: 480-0080365-007
 Operator ID: KN Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Apr-2019 13:29:35 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1032

First Level Reviewer: nowakk

Date: 22-Apr-2019 09:21:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.859	4.858	0.001	99	172756	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	87	678966	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	96	356078	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	91	227646	25.0	25.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	269406	25.0	25.8	
\$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.000	94	923030	25.0	25.6	
\$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.082	0.000	0	269260	25.0	25.1	
11 Dichlorodifluoromethane	85	1.252	1.252	0.000	97	26077	2.00	2.78	
13 Chloromethane	50	1.418	1.418	0.000	98	26765	2.00	2.18	
151 Butadiene	54	1.501	1.491	0.010	86	22692	2.00	2.17	
14 Vinyl chloride	62	1.511	1.511	0.000	73	23531	2.00	2.11	
15 Bromomethane	94	1.781	1.771	0.011	84	18586	2.00	1.98	M
16 Chloroethane	64	1.822	1.822	0.000	96	14971	2.00	1.69	M
18 Dichlorofluoromethane	67	2.061	2.061	0.000	97	34706	2.00	2.11	
17 Trichlorofluoromethane	101	2.071	2.071	0.000	92	38003	2.00	2.23	
19 Ethyl ether	59	2.299	2.289	0.010	89	16430	2.00	2.11	
21 Acrolein	56	2.475	2.475	0.000	82	15117	10.0	10.5	
20 1,1,2-Trichloro-1,2,2-trif	101	2.506	2.506	0.000	63	17357	2.00	2.28	
22 1,1-Dichloroethene	96	2.517	2.517	0.000	95	18253	2.00	2.27	
23 Acetone	43	2.631	2.620	0.011	100	26543	10.0	10.6	
24 Iodomethane	142	2.672	2.662	0.010	99	30484	2.00	1.99	
25 Carbon disulfide	76	2.713	2.714	-0.001	99	54968	2.00	2.02	
27 3-Chloro-1-propene	41	2.848	2.838	0.010	86	30322	2.00	2.05	
28 Methyl acetate	43	2.890	2.879	0.011	97	24209	4.00	3.76	
30 Methylene Chloride	84	2.983	2.983	0.000	90	23071	2.00	2.24	
31 2-Methyl-2-propanol	59	3.169	3.149	0.020	39	9722	20.0	16.9	
33 Methyl tert-butyl ether	73	3.190	3.170	0.020	85	45980	2.00	2.01	
32 trans-1,2-Dichloroethene	96	3.180	3.170	0.010	97	20356	2.00	2.17	
34 Acrylonitrile	53	3.232	3.232	0.000	99	70877	20.0	21.5	
35 Hexane	57	3.346	3.335	0.011	92	25208	2.00	2.03	

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	3.543	3.532	0.010	96	35344	2.00	2.25	
39 Vinyl acetate	43	3.584	3.574	0.010	97	55601	4.00	3.83	
42 2,2-Dichloropropane	77	3.988	3.978	0.010	75	23286	2.00	2.16	
43 cis-1,2-Dichloroethene	96	4.009	4.009	0.000	82	21732	2.00	2.13	
44 2-Butanone (MEK)	43	4.040	4.030	0.010	99	41644	10.0	10.5	
47 Chlorobromomethane	128	4.206	4.206	0.000	94	10751	2.00	2.08	
48 Tetrahydrofuran	42	4.216	4.216	0.000	82	12326	4.00	4.63	
50 Chloroform	83	4.268	4.268	0.000	94	38226	2.00	2.14	
51 1,1,1-Trichloroethane	97	4.361	4.361	0.000	82	22310	2.00	1.98	
52 Cyclohexane	56	4.361	4.361	0.000	90	32564	2.00	2.21	
53 Carbon tetrachloride	117	4.465	4.465	0.000	59	14995	2.00	1.98	
54 1,1-Dichloropropene	75	4.475	4.475	0.000	92	25210	2.00	2.10	
55 Benzene	78	4.641	4.641	0.000	54	78673	2.00	2.18	
56 Isobutyl alcohol	43	4.662	4.651	0.011	30	9931	50.0	48.8	M
57 1,2-Dichloroethane	62	4.703	4.693	0.010	95	28316	2.00	2.15	
59 n-Heptane	43	4.776	4.776	0.000	92	30315	2.00	2.19	
60 Trichloroethene	95	5.128	5.118	0.010	93	20334	2.00	2.21	
62 Methylcyclohexane	83	5.221	5.211	0.010	92	31446	2.00	2.18	
63 1,2-Dichloropropane	63	5.315	5.315	0.000	83	16653	2.00	1.89	
65 Dibromomethane	93	5.429	5.429	0.000	90	11758	2.00	2.04	
66 1,4-Dioxane	88	5.429	5.429	0.000	5	2477	40.0	33.0	M
67 Dichlorobromomethane	83	5.543	5.543	0.000	96	20094	2.00	1.93	
69 2-Chloroethyl vinyl ether	63	5.750	5.750	0.000	89	13406	2.00	2.30	
71 cis-1,3-Dichloropropene	75	5.853	5.854	-0.001	92	22966	2.00	1.89	
72 4-Methyl-2-pentanone (MIBK)	43	5.967	5.968	-0.001	97	86701	10.0	10.3	
73 Toluene	92	6.081	6.082	-0.001	98	49553	2.00	2.13	
75 trans-1,3-Dichloropropene	75	6.289	6.289	0.000	95	22625	2.00	2.01	
77 Ethyl methacrylate	69	6.309	6.310	-0.001	83	15488	2.00	1.85	
78 1,1,2-Trichloroethane	83	6.434	6.434	0.000	91	14739	2.00	2.13	
79 Tetrachloroethene	166	6.486	6.486	0.000	94	17822	2.00	1.96	
80 1,3-Dichloropropane	76	6.558	6.558	0.000	90	27704	2.00	2.03	M
81 2-Hexanone	43	6.600	6.600	0.000	95	51893	10.0	9.57	
82 Chlorodibromomethane	129	6.734	6.734	0.000	70	9839	2.00	1.72	M
83 Ethylene Dibromide	107	6.817	6.817	0.000	95	15915	2.00	1.99	
86 Chlorobenzene	112	7.170	7.170	0.000	94	52221	2.00	1.95	
88 Ethylbenzene	91	7.232	7.232	0.000	99	93246	2.00	2.16	
89 1,1,1,2-Tetrachloroethane	131	7.242	7.242	0.000	78	12677	2.00	1.92	
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	34521	2.00	2.02	
91 o-Xylene	106	7.646	7.646	0.000	94	35172	2.00	2.13	
92 Styrene	104	7.667	7.667	0.000	94	58852	2.00	2.09	
93 Bromoform	173	7.864	7.864	0.000	85	4710	2.00	1.73	
95 Isopropylbenzene	105	7.926	7.926	0.000	96	85656	2.00	2.05	
97 Bromobenzene	156	8.206	8.206	0.000	93	22599	2.00	2.07	
98 1,1,2,2-Tetrachloroethane	83	8.237	8.237	0.000	94	18777	2.00	1.90	
99 N-Propylbenzene	91	8.258	8.258	0.000	100	113039	2.00	2.17	
100 1,2,3-Trichloropropane	110	8.268	8.268	0.000	86	7463	2.00	2.18	
101 trans-1,4-Dichloro-2-buten	53	8.268	8.268	0.000	69	4943	2.00	1.72	
105 2-Chlorotoluene	126	8.341	8.341	0.000	96	21765	2.00	2.00	
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	96	76058	2.00	2.05	
102 4-Chlorotoluene	91	8.434	8.434	0.000	98	64209	2.00	2.00	
106 tert-Butylbenzene	134	8.651	8.652	-0.001	92	18467	2.00	2.32	
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	97	76662	2.00	2.05	a

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.828	8.828	0.000	94	97089	2.00	2.13	
111 4-Isopropyltoluene	119	8.952	8.952	0.000	97	86339	2.00	2.22	
110 1,3-Dichlorobenzene	146	8.962	8.962	0.000	96	43631	2.00	2.03	
113 1,4-Dichlorobenzene	146	9.035	9.035	0.000	93	48509	2.00	2.24	
115 n-Butylbenzene	91	9.284	9.284	0.000	96	83452	2.00	2.22	
116 1,2-Dichlorobenzene	146	9.346	9.346	0.000	98	43268	2.00	2.07	
117 1,2-Dibromo-3-Chloropropan	75	10.019	10.019	0.000	1	2236	2.00	1.79	M
119 1,2,4-Trichlorobenzene	180	10.662	10.662	0.000	90	32449	2.00	2.12	
120 Hexachlorobutadiene	225	10.766	10.766	0.000	92	14439	2.00	2.20	
121 Naphthalene	128	10.869	10.869	0.000	96	75608	2.00	2.09	
122 1,2,3-Trichlorobenzene	180	11.066	11.066	0.000	93	28976	2.00	1.98	
S 124 1,2-Dichloroethene, Total	1				0			4.30	
S 126 Xylenes, Total	1				0			4.16	
S 125 Total BTEX	1				0			10.6	
S 123 1,3-Dichloropropene, Total	1				0			3.90	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS CORP mix_00336

Amount Added: 2.00

Units: uL

8260 CORP mix_00153

Amount Added: 2.00

Units: uL

T_8260_Surr_00187

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00217

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0009.D

Injection Date: 19-Apr-2019 17:55:30

Instrument ID: HP5975T

Operator ID: KN

Lims ID: IC 2

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

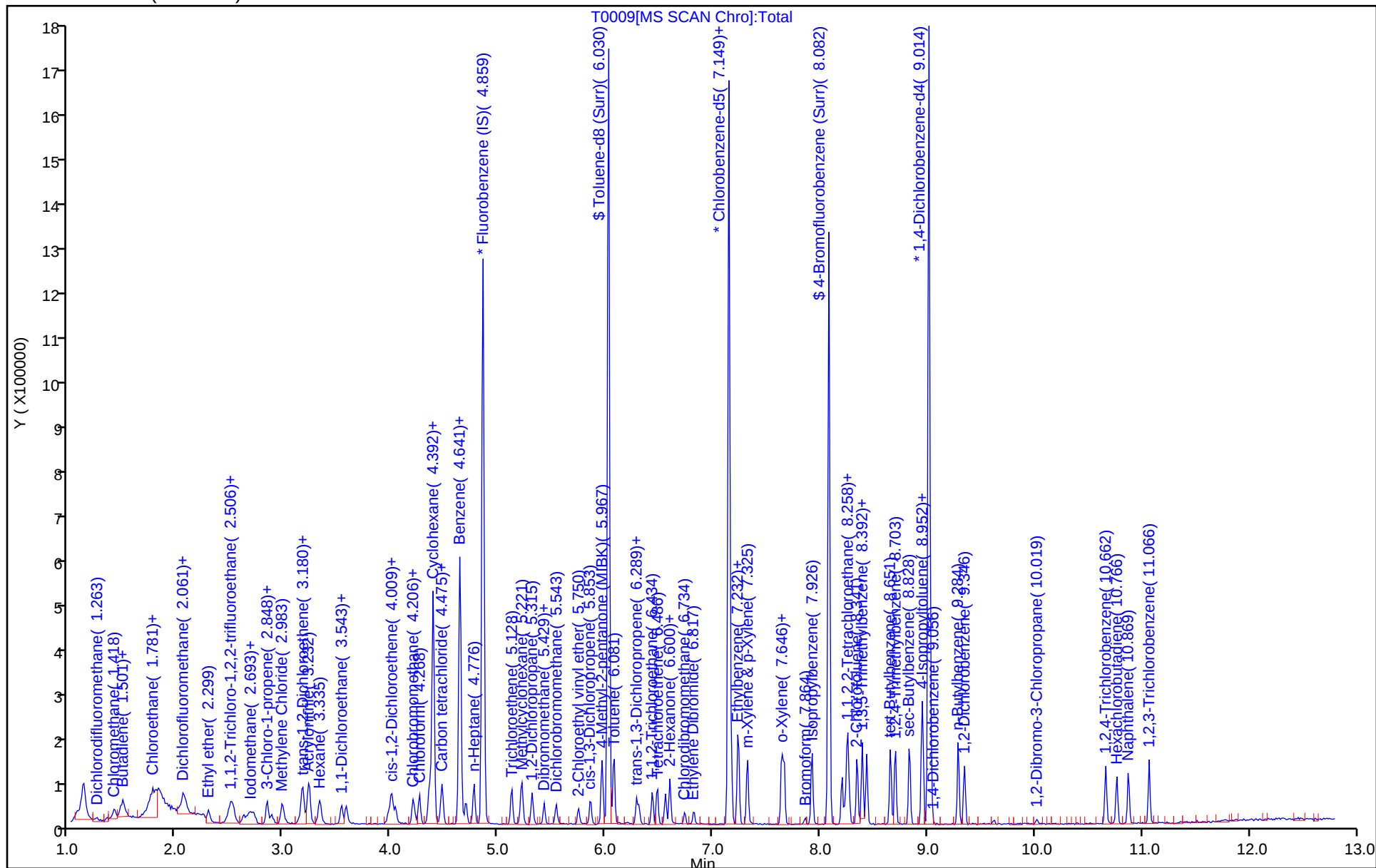
Dil. Factor: 1.0000

ALS Bottle#: 29

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

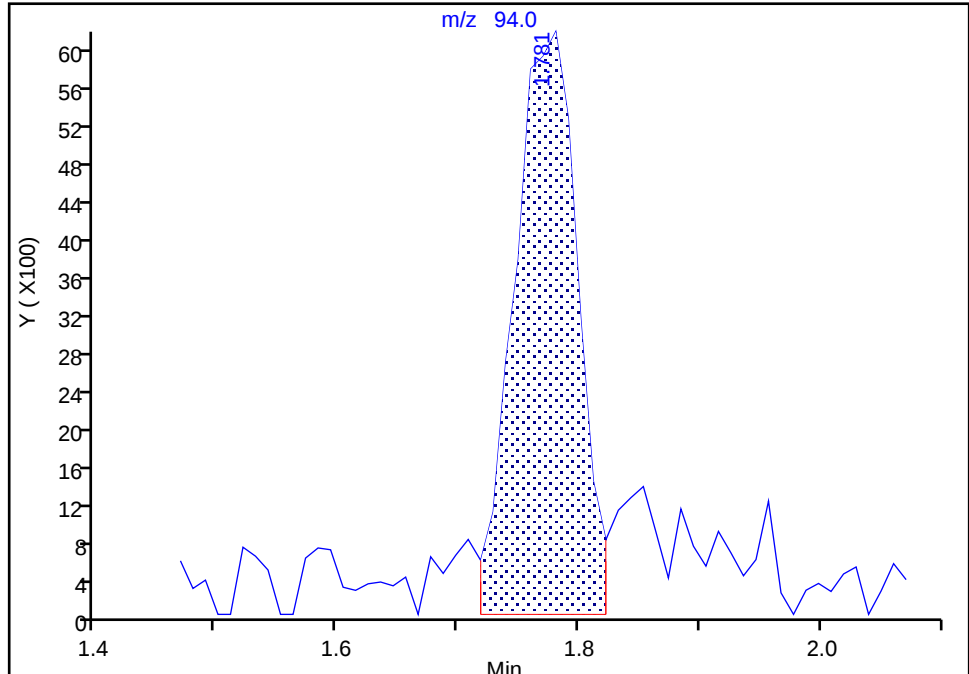
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Injection Date: 19-Apr-2019 17:55:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 29 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

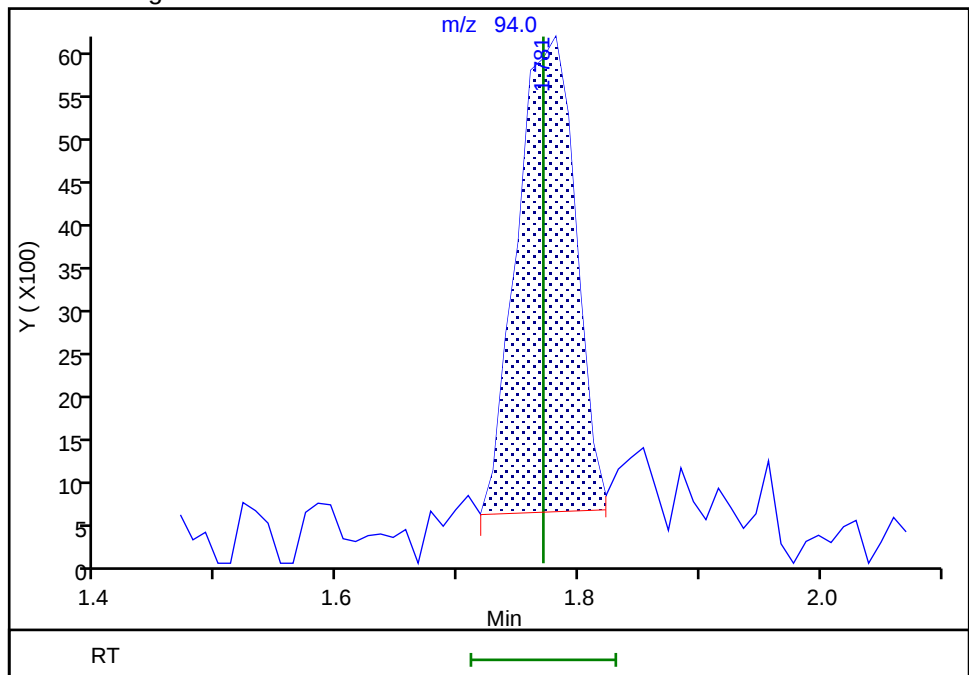
RT: 1.78
Area: 22669
Amount: 2.351231
Amount Units: ug/L

Processing Integration Results



RT: 1.78
Area: 18586
Amount: 1.980153
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 23-Apr-2019 12:45:29
Audit Action: Manually Integrated

Audit Reason: Baseline
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Eurofins TestAmerica, Buffalo

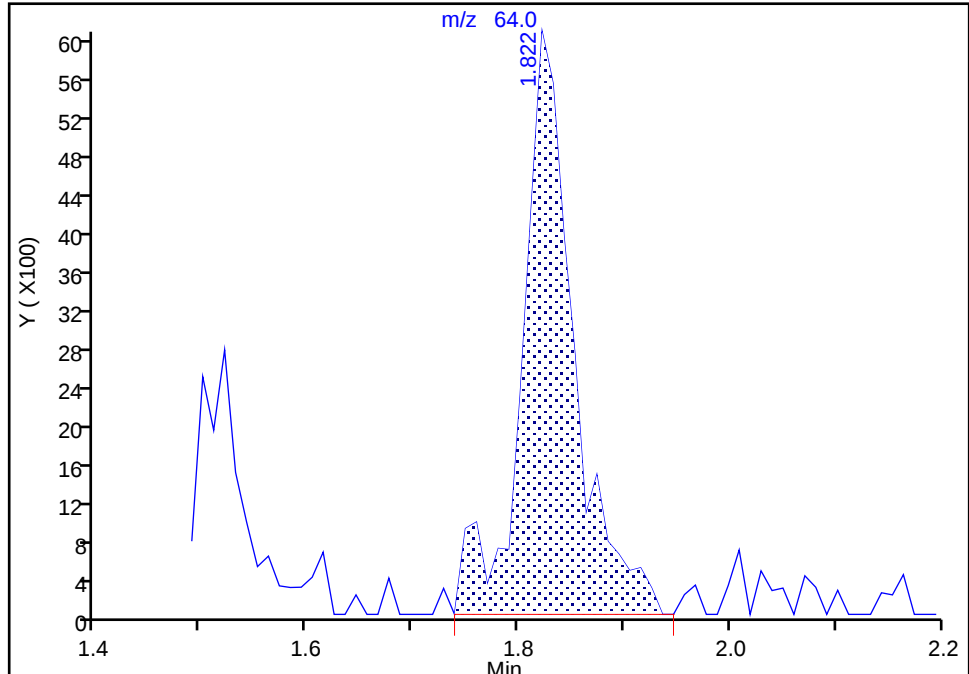
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Injection Date: 19-Apr-2019 17:55:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 29 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

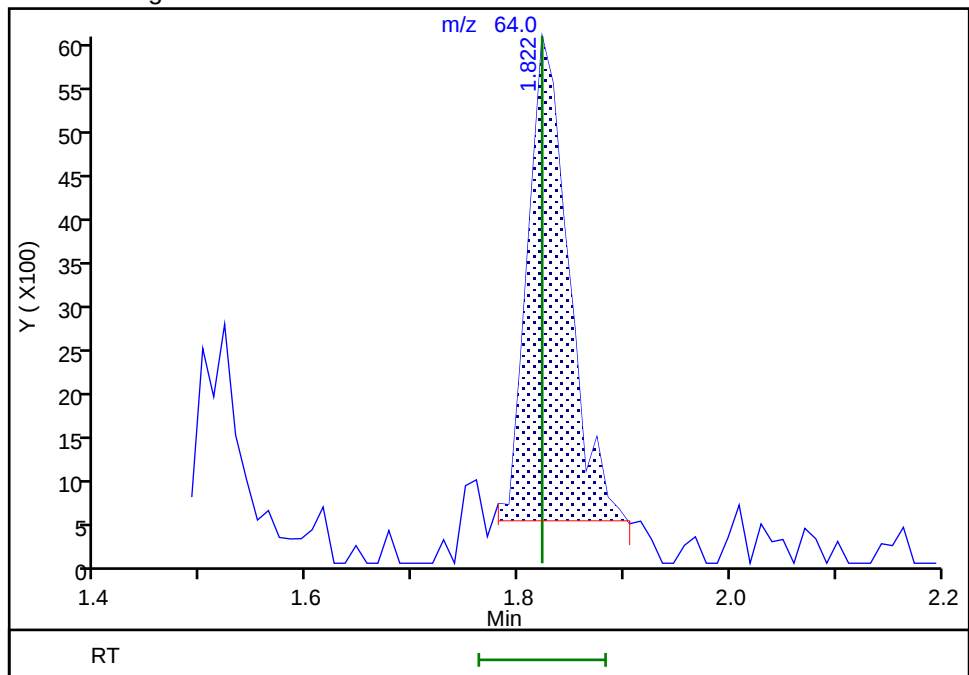
RT: 1.82
Area: 20741
Amount: 2.640412
Amount Units: ug/L

Processing Integration Results



RT: 1.82
Area: 14971
Amount: 1.690047
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 23-Apr-2019 12:45:22
Audit Action: Manually Integrated

Audit Reason: Baseline
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Eurofins TestAmerica, Buffalo

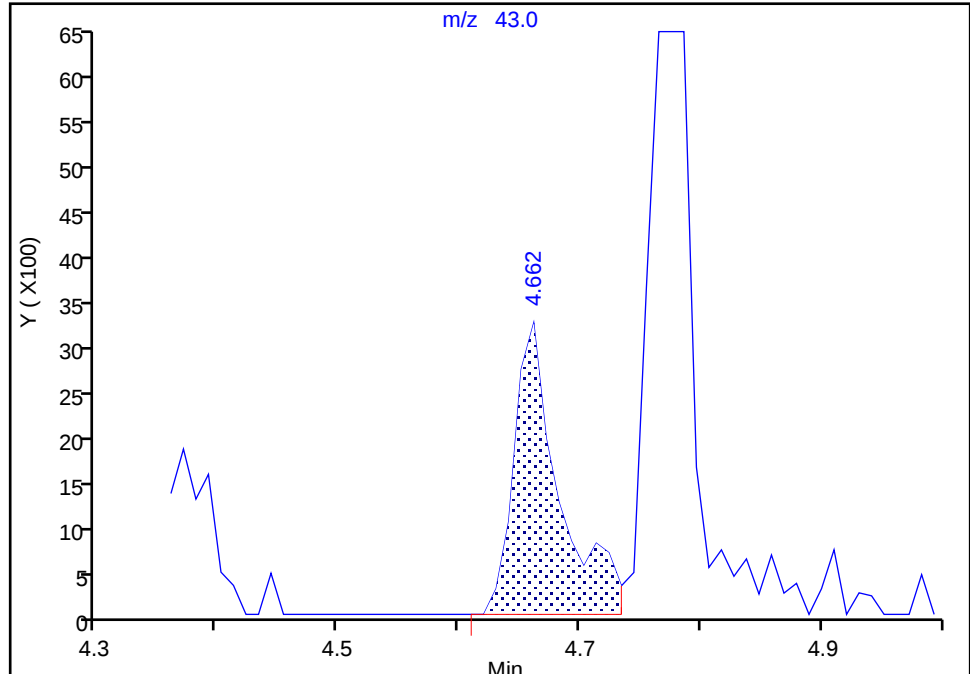
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Injection Date: 19-Apr-2019 17:55:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 29 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

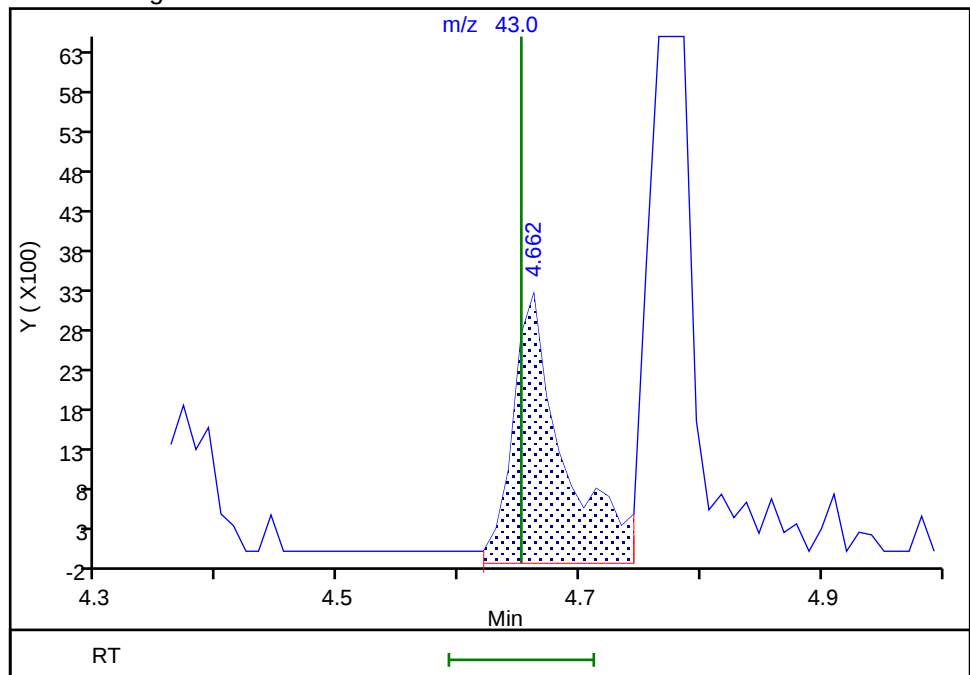
RT: 4.66
Area: 8430
Amount: 43.040329
Amount Units: ug/L

Processing Integration Results



RT: 4.66
Area: 9931
Amount: 48.754941
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:45:49

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

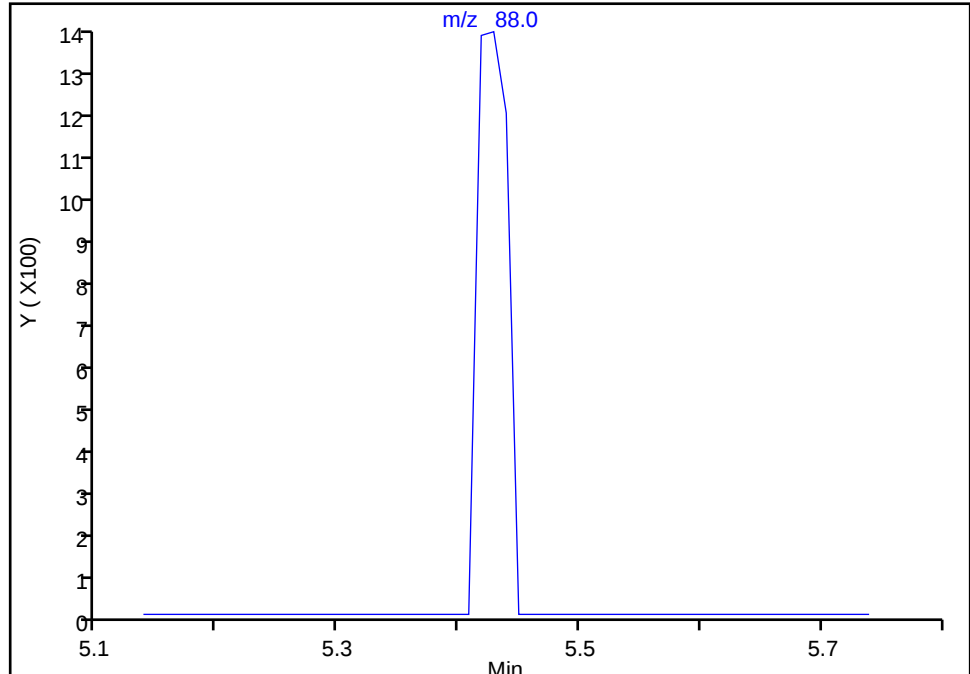
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Injection Date: 19-Apr-2019 17:55:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 29 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

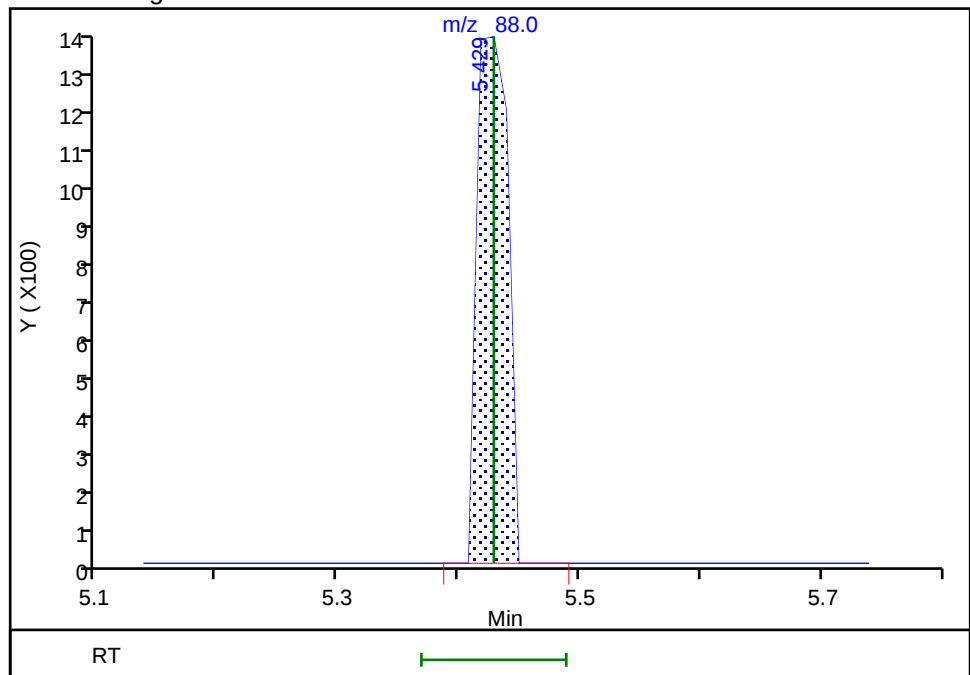
Not Detected
Expected RT: 5.43

Processing Integration Results



RT: 5.43
Area: 2477
Amount: 32.991283
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:20:01
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

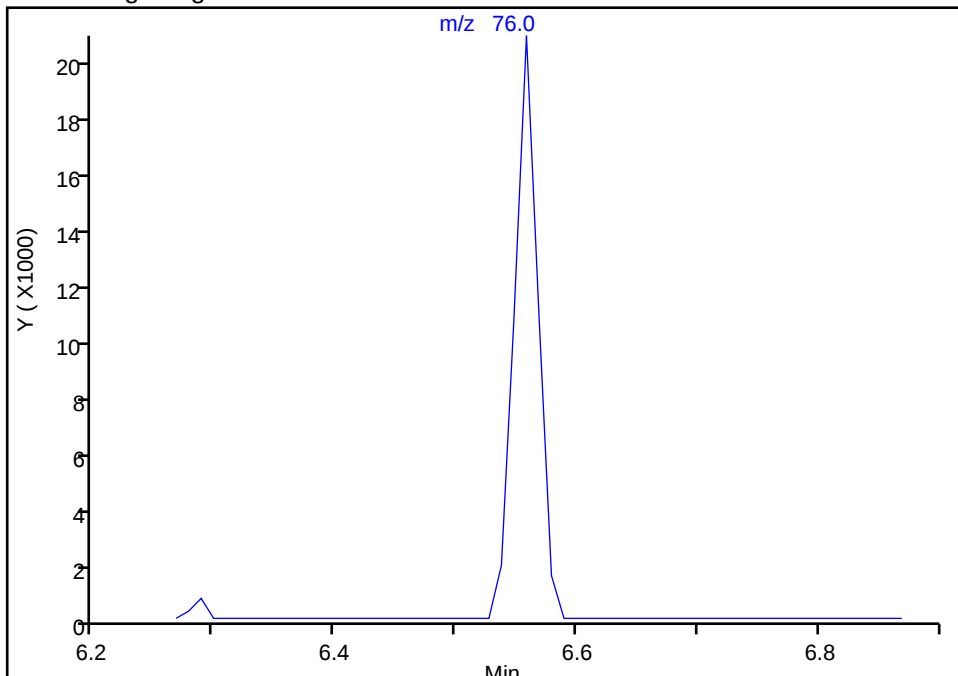
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0009.D
Injection Date: 19-Apr-2019 17:55:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 29 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

80 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

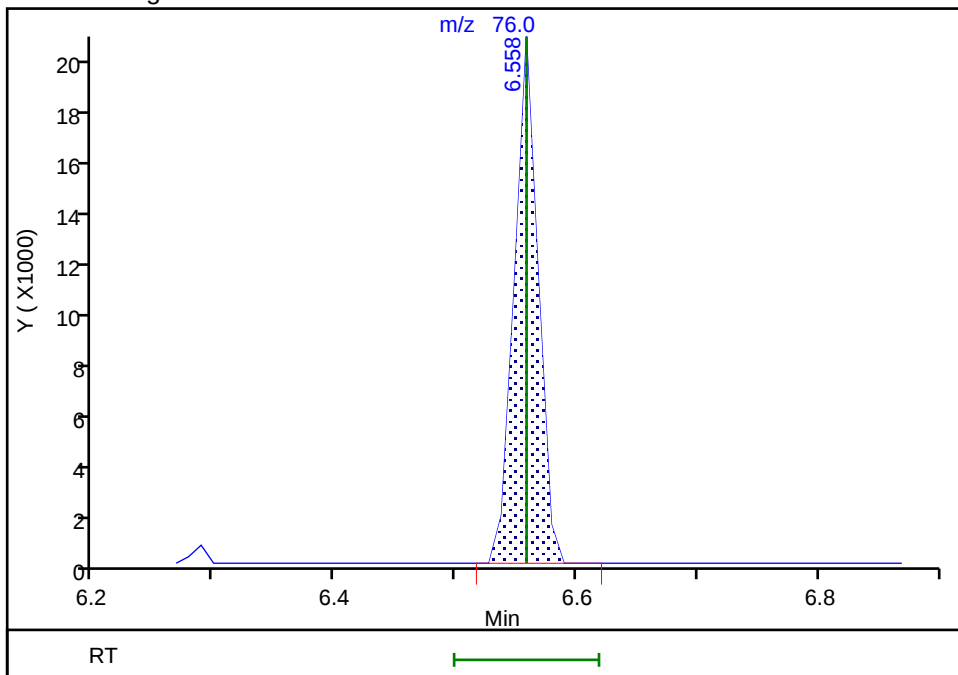
Not Detected
Expected RT: 6.56

Processing Integration Results



RT: 6.56
Area: 27704
Amount: 2.031878
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:20:15
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

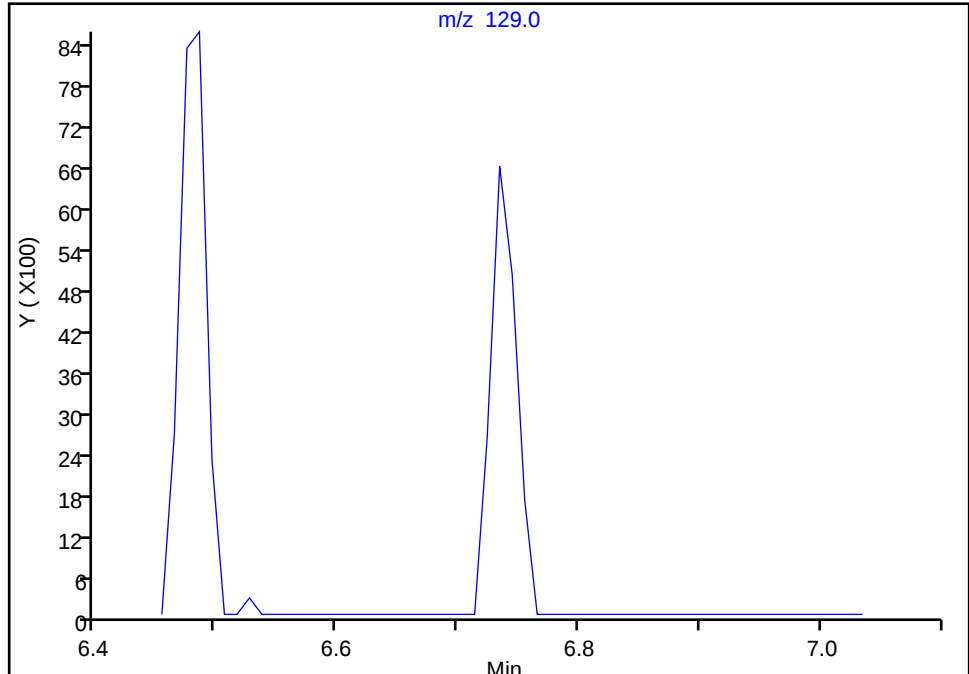
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Injection Date: 19-Apr-2019 17:55:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 29 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

82 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

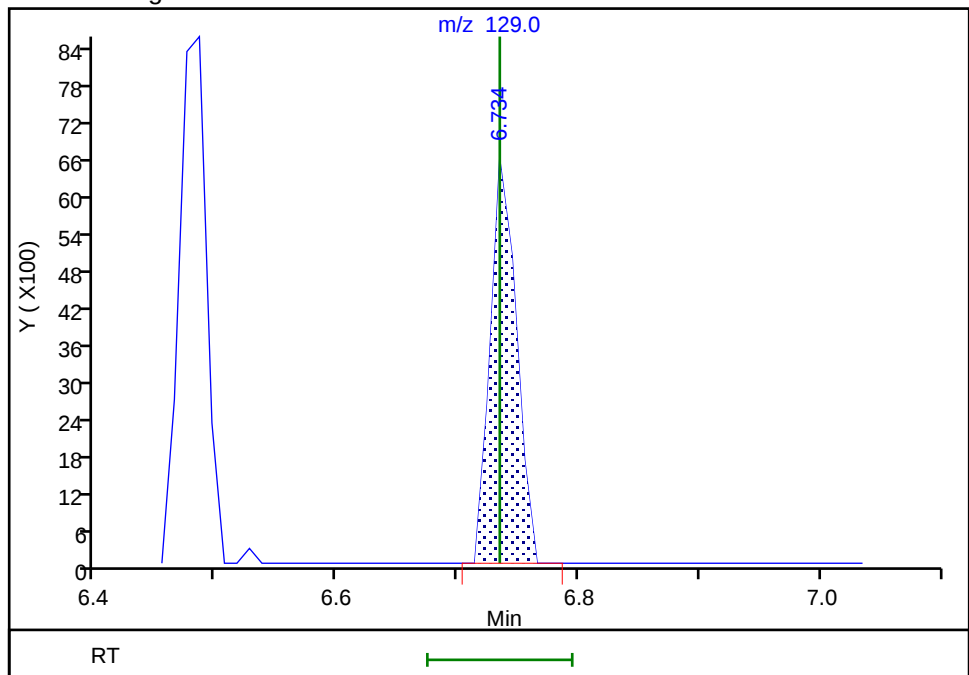
Not Detected
Expected RT: 6.73

Processing Integration Results



RT: 6.73
Area: 9839
Amount: 1.717992
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:20:22
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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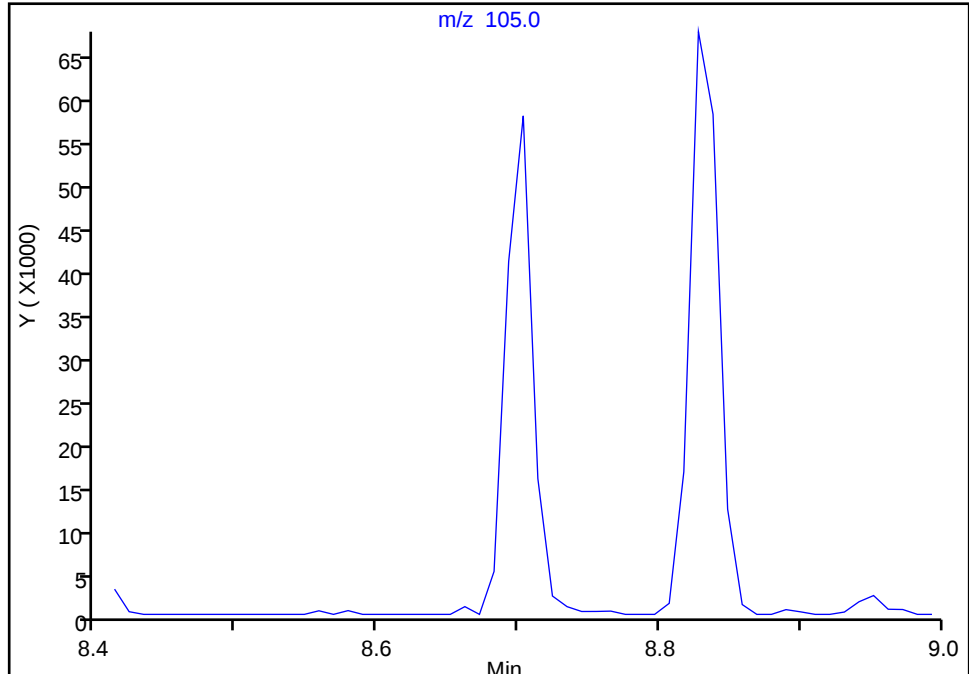
Eurofins TestAmerica, Buffalo

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Injection Date: 19-Apr-2019 17:55:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 29 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

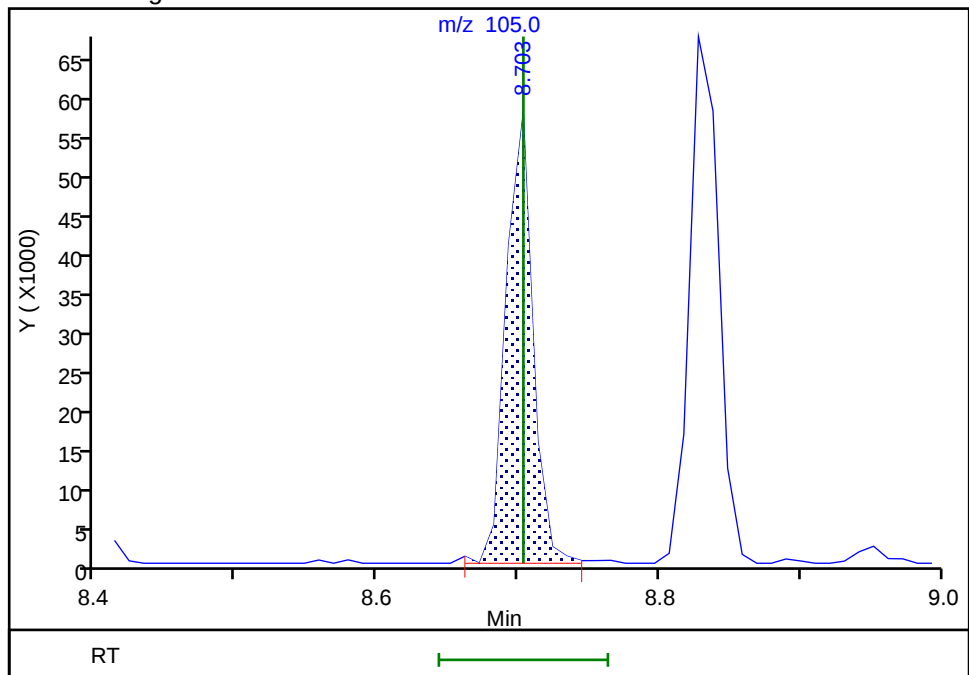
Not Detected
Expected RT: 8.70

Processing Integration Results



RT: 8.70
Area: 76662
Amount: 2.049257
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:20:52
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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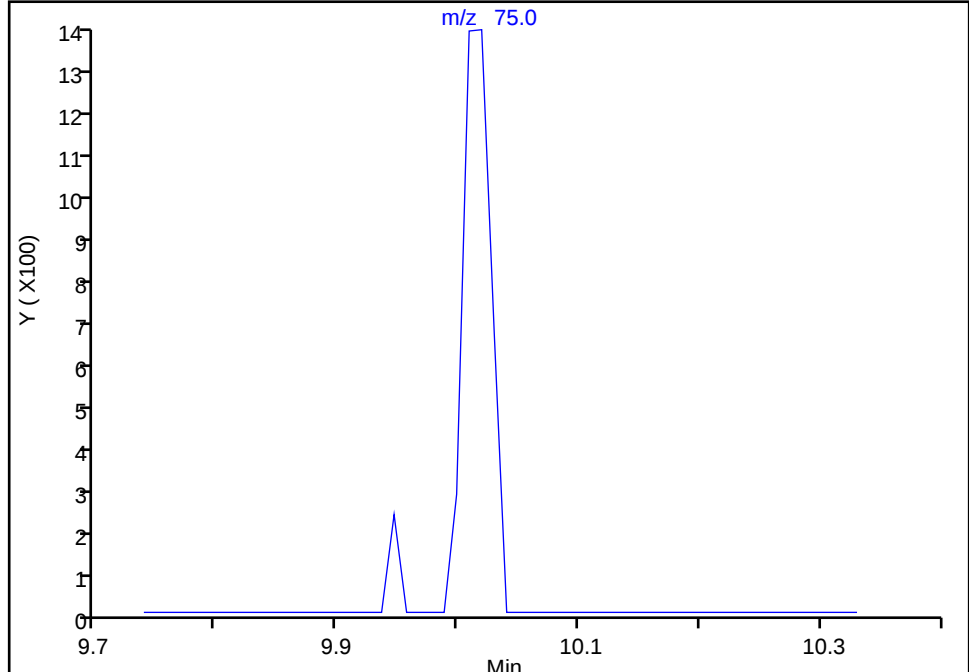
Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0009.D
Injection Date: 19-Apr-2019 17:55:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 29 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

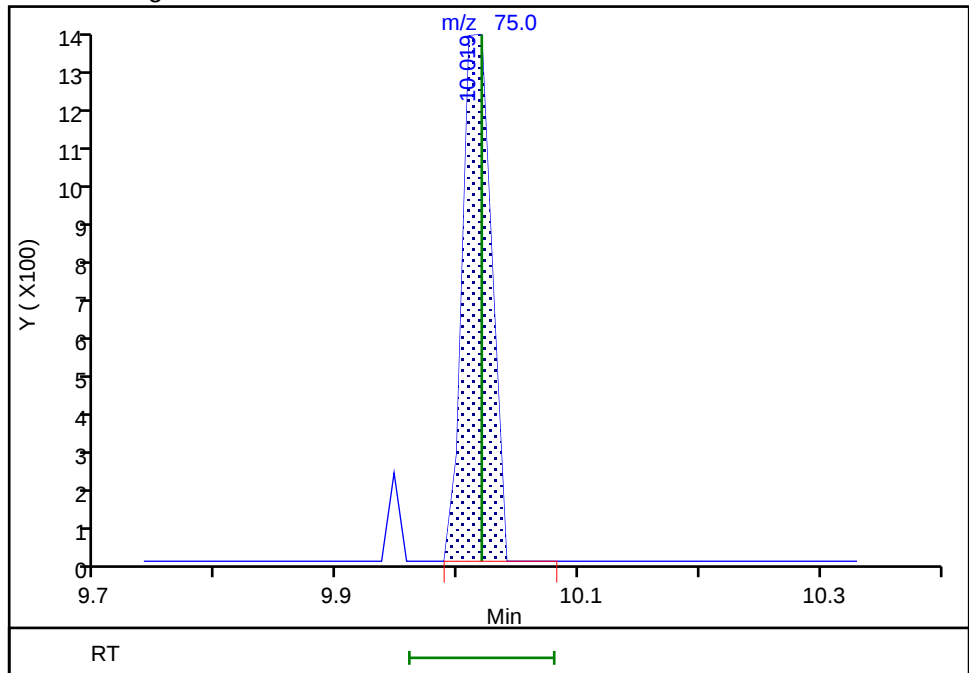
Not Detected
Expected RT: 10.02

Processing Integration Results



RT: 10.02
Area: 2236
Amount: 1.786252
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:21:08
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0010.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 19-Apr-2019 18:19:30 ALS Bottle#: 30 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic 3
 Misc. Info.: 480-0080365-008
 Operator ID: KN Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Apr-2019 13:29:42 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1032

First Level Reviewer: nowakk

Date: 22-Apr-2019 09:27:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.859	4.858	0.001	98	186205	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	87	686593	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	96	364356	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	93	232918	25.0	24.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	268693	25.0	23.9	
\$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.000	94	935877	25.0	25.7	
\$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.082	0.000	0	278017	25.0	25.7	
11 Dichlorodifluoromethane	85	1.283	1.252	0.031	97	48320	5.00	4.78	
13 Chloromethane	50	1.439	1.418	0.021	99	70376	5.00	5.32	
151 Butadiene	54	1.501	1.491	0.010	89	57405	5.00	5.10	
14 Vinyl chloride	62	1.522	1.511	0.011	97	59358	5.00	4.95	
15 Bromomethane	94	1.791	1.771	0.021	93	53531	5.00	5.29	
16 Chloroethane	64	1.853	1.822	0.031	88	40438	5.00	5.28	
18 Dichlorofluoromethane	67	2.081	2.061	0.020	95	94445	5.00	5.32	
17 Trichlorofluoromethane	101	2.102	2.071	0.031	83	90214	5.00	4.92	
19 Ethyl ether	59	2.299	2.289	0.010	89	43424	5.00	5.18	
21 Acrolein	56	2.486	2.475	0.011	95	36085	25.0	23.2	
20 1,1,2-Trichloro-1,2,2-trif	101	2.537	2.506	0.031	65	43838	5.00	5.33	a
22 1,1-Dichloroethene	96	2.537	2.517	0.020	98	44424	5.00	5.12	
23 Acetone	43	2.631	2.620	0.011	99	63742	25.0	23.6	
24 Iodomethane	142	2.682	2.662	0.020	99	83850	5.00	5.09	
25 Carbon disulfide	76	2.724	2.714	0.010	100	154139	5.00	5.25	
27 3-Chloro-1-propene	41	2.848	2.838	0.010	87	74089	5.00	4.66	
28 Methyl acetate	43	2.890	2.879	0.011	99	71108	10.0	10.3	
30 Methylene Chloride	84	2.993	2.983	0.010	95	53201	5.00	4.80	
31 2-Methyl-2-propanol	59	3.169	3.149	0.020	40	25632	50.0	41.3	
32 trans-1,2-Dichloroethene	96	3.180	3.170	0.010	98	49143	5.00	4.86	
33 Methyl tert-butyl ether	73	3.190	3.170	0.020	70	126757	5.00	5.14	M
34 Acrylonitrile	53	3.242	3.232	0.010	96	166082	50.0	46.8	
35 Hexane	57	3.346	3.335	0.011	94	68839	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	3.543	3.532	0.011	96	82951	5.00	4.90	
39 Vinyl acetate	43	3.584	3.574	0.010	98	143621	10.0	9.19	
42 2,2-Dichloropropane	77	3.988	3.978	0.010	89	62393	5.00	5.36	
43 cis-1,2-Dichloroethene	96	4.009	4.009	0.000	82	53903	5.00	4.91	
44 2-Butanone (MEK)	43	4.040	4.030	0.010	99	106855	25.0	24.9	
47 Chlorobromomethane	128	4.206	4.206	0.000	95	28967	5.00	5.21	
48 Tetrahydrofuran	42	4.216	4.216	0.000	89	28453	10.0	9.92	
50 Chloroform	83	4.268	4.268	0.000	94	93143	5.00	5.27	
51 1,1,1-Trichloroethane	97	4.361	4.361	0.000	84	63040	5.00	5.19	
52 Cyclohexane	56	4.372	4.361	0.011	91	87441	5.00	5.51	
53 Carbon tetrachloride	117	4.475	4.465	0.010	70	40578	5.00	4.98	
54 1,1-Dichloropropene	75	4.475	4.475	0.000	92	65247	5.00	5.04	
55 Benzene	78	4.641	4.641	0.000	76	203660	5.00	5.24	
56 Isobutyl alcohol	43	4.662	4.651	0.011	47	21695	125.0	98.8	
57 1,2-Dichloroethane	62	4.703	4.693	0.010	97	72295	5.00	5.10	
59 n-Heptane	43	4.776	4.776	0.000	92	76488	5.00	5.14	
60 Trichloroethene	95	5.128	5.118	0.010	95	52050	5.00	5.24	
62 Methylcyclohexane	83	5.221	5.211	0.010	92	82160	5.00	5.28	
63 1,2-Dichloropropane	63	5.315	5.315	0.000	92	49337	5.00	5.19	
66 1,4-Dioxane	88	5.429	5.429	0.000	32	9844	100.0	114.8	M
65 Dibromomethane	93	5.429	5.429	0.000	96	31875	5.00	5.13	
67 Dichlorobromomethane	83	5.543	5.543	0.000	96	51477	5.00	4.58	
69 2-Chloroethyl vinyl ether	63	5.750	5.750	0.000	94	32424	5.00	5.15	
71 cis-1,3-Dichloropropene	75	5.864	5.854	0.010	93	64829	5.00	4.94	
72 4-Methyl-2-pentanone (MIBK)	43	5.967	5.968	-0.001	98	220731	25.0	25.9	
73 Toluene	92	6.081	6.082	-0.001	98	123951	5.00	5.27	
75 trans-1,3-Dichloropropene	75	6.289	6.289	0.000	94	56213	5.00	4.94	
77 Ethyl methacrylate	69	6.309	6.310	-0.001	91	38838	5.00	4.60	
78 1,1,2-Trichloroethane	83	6.434	6.434	0.000	91	34350	5.00	4.91	
79 Tetrachloroethene	166	6.486	6.486	0.000	92	50469	5.00	5.48	
80 1,3-Dichloropropane	76	6.558	6.558	0.000	93	75894	5.00	5.50	
81 2-Hexanone	43	6.600	6.600	0.000	97	141424	25.0	25.8	
82 Chlorodibromomethane	129	6.734	6.734	0.000	92	26834	5.00	4.63	
83 Ethylene Dibromide	107	6.817	6.817	0.000	98	43340	5.00	5.35	
86 Chlorobenzene	112	7.170	7.170	0.000	95	146316	5.00	5.39	
88 Ethylbenzene	91	7.232	7.232	0.000	98	238732	5.00	5.48	
89 1,1,1,2-Tetrachloroethane	131	7.242	7.242	0.000	84	28749	5.00	4.30	
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	92463	5.00	5.36	
91 o-Xylene	106	7.646	7.646	0.000	96	92626	5.00	5.56	
92 Styrene	104	7.667	7.667	0.000	94	151382	5.00	5.32	
93 Bromoform	173	7.864	7.864	0.000	93	11362	5.00	4.14	
95 Isopropylbenzene	105	7.926	7.926	0.000	96	237765	5.00	5.57	
97 Bromobenzene	156	8.206	8.206	0.000	96	52718	5.00	4.72	
98 1,1,2,2-Tetrachloroethane	83	8.237	8.237	0.000	93	54911	5.00	5.44	
99 N-Propylbenzene	91	8.258	8.258	0.000	99	299965	5.00	5.63	
100 1,2,3-Trichloropropane	110	8.268	8.268	0.000	90	16519	5.00	4.72	
101 trans-1,4-Dichloro-2-buten	53	8.268	8.268	0.000	69	14517	5.00	4.93	
105 2-Chlorotoluene	126	8.341	8.341	0.000	96	54506	5.00	4.91	
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	94	208362	5.00	5.50	
102 4-Chlorotoluene	91	8.434	8.434	0.000	97	167985	5.00	5.12	
106 tert-Butylbenzene	134	8.652	8.652	0.000	94	43699	5.00	5.36	
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	97	195524	5.00	5.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.828	8.828	0.000	94	255343	5.00	5.47	
111 4-Isopropyltoluene	119	8.952	8.952	0.000	97	211901	5.00	5.32	
110 1,3-Dichlorobenzene	146	8.962	8.962	0.000	98	109271	5.00	4.98	
113 1,4-Dichlorobenzene	146	9.035	9.035	0.000	94	116651	5.00	5.27	
115 n-Butylbenzene	91	9.284	9.284	0.000	98	211189	5.00	5.49	
116 1,2-Dichlorobenzene	146	9.346	9.346	0.000	97	110176	5.00	5.16	
117 1,2-Dibromo-3-Chloropropan	75	10.019	10.019	0.000	69	5028	5.00	3.93	
119 1,2,4-Trichlorobenzene	180	10.662	10.662	0.000	92	77842	5.00	4.98	
120 Hexachlorobutadiene	225	10.766	10.766	0.000	95	37857	5.00	5.64	
121 Naphthalene	128	10.869	10.869	0.000	97	192787	5.00	5.21	
122 1,2,3-Trichlorobenzene	180	11.066	11.066	0.000	93	74605	5.00	4.97	
S 124 1,2-Dichloroethene, Total	1				0			9.77	
S 126 Xylenes, Total	1				0			10.9	
S 125 Total BTEX	1				0			26.9	
S 123 1,3-Dichloropropene, Total	1				0			9.88	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00153

Amount Added: 5.00

Units: uL

GAS CORP mix_00336

Amount Added: 5.00

Units: uL

T_8260_Surr_00187

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00217

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0010.D

Injection Date: 19-Apr-2019 18:19:30

Instrument ID: HP5975T

Lims ID: IC 3

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

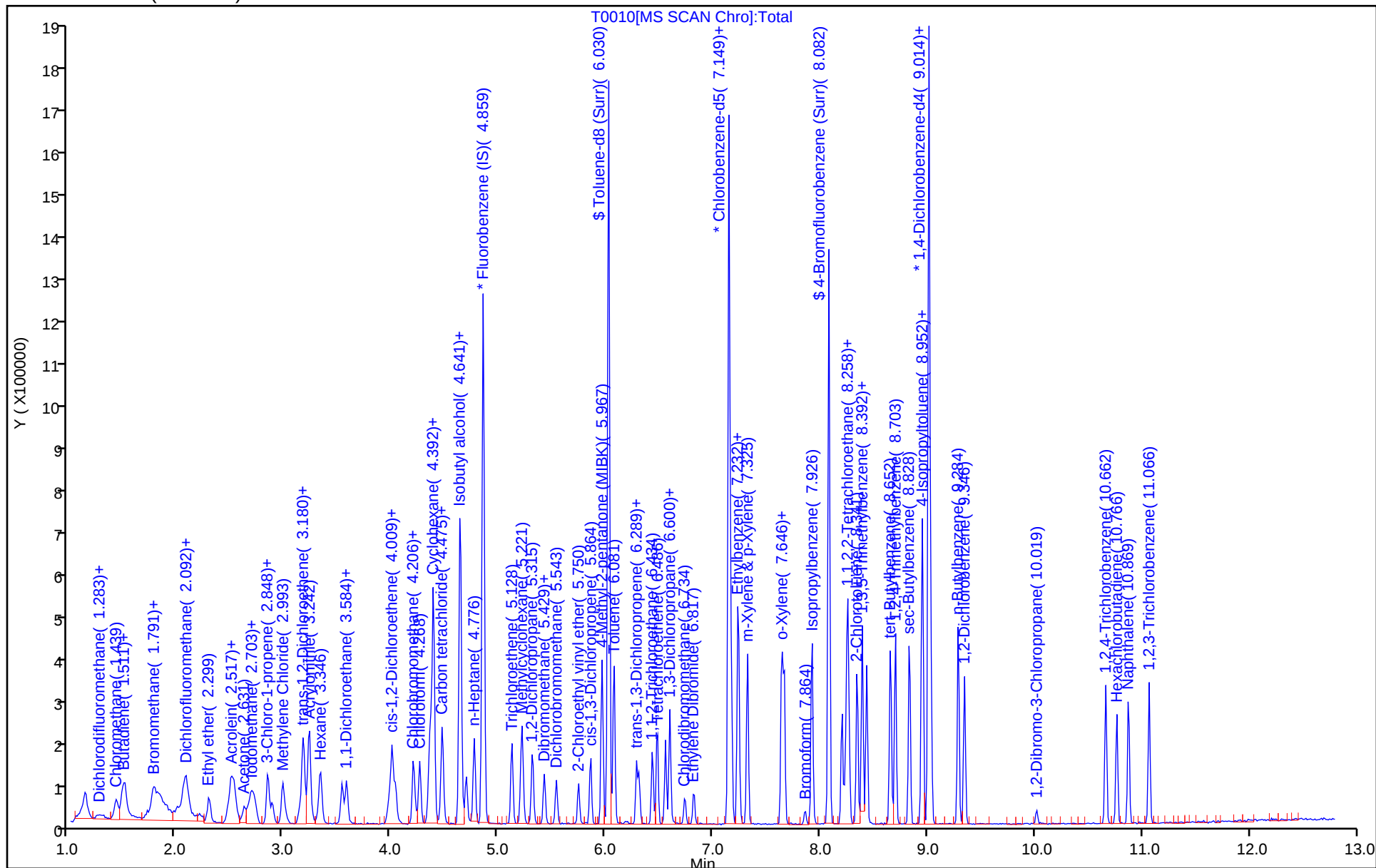
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Operator ID: KN

Worklist Smp#: 8

ALS Bottle#: 30



Eurofins TestAmerica, Buffalo

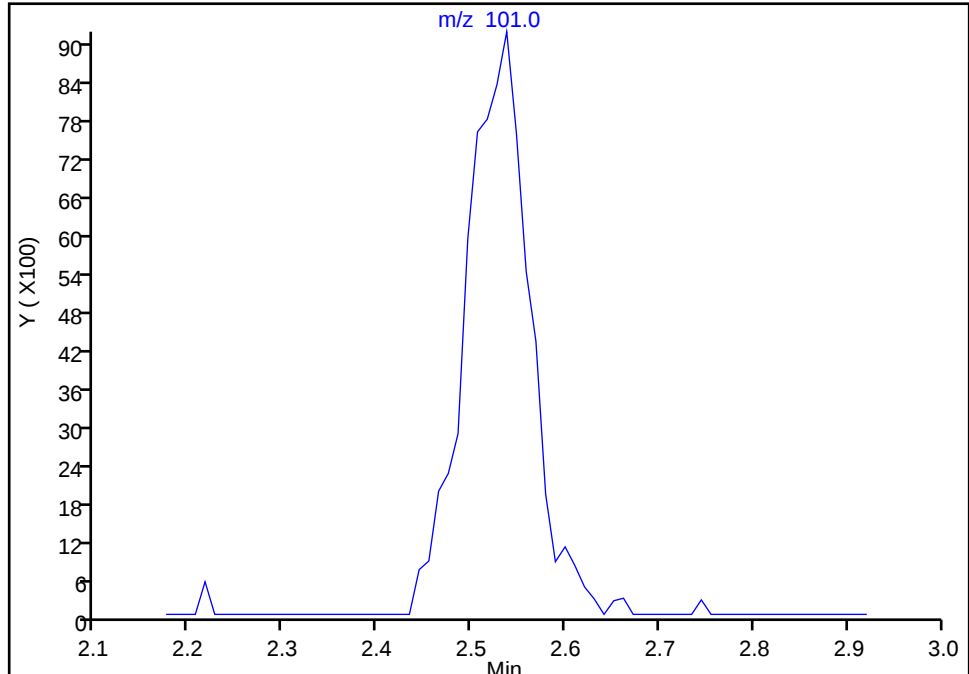
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0010.D
Injection Date: 19-Apr-2019 18:19:30 Instrument ID: HP5975T
Lims ID: IC 3
Client ID:
Operator ID: KN ALS Bottle#: 30 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

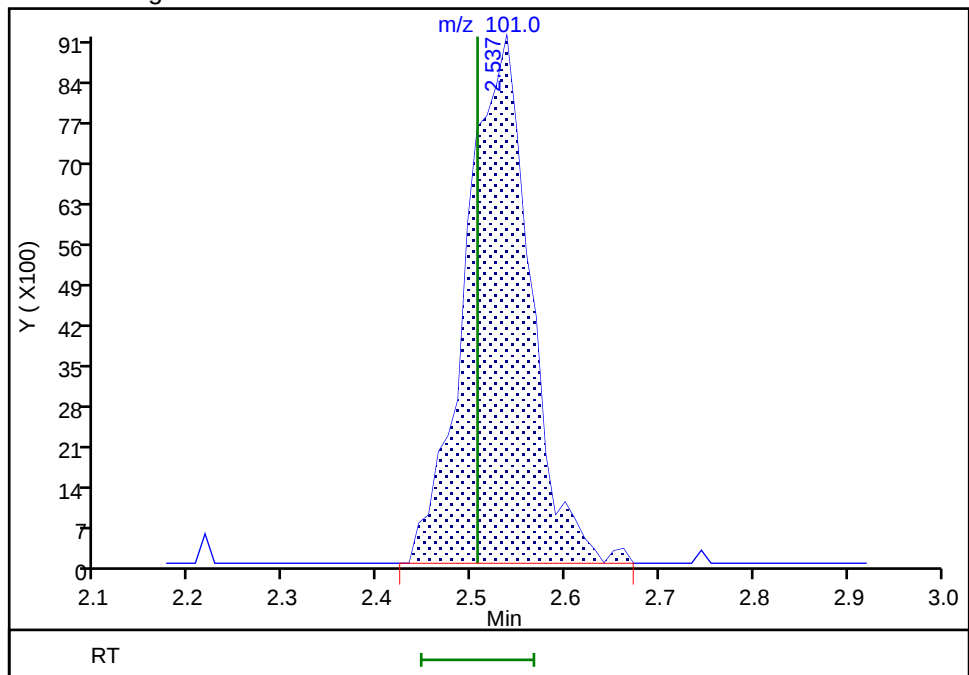
Not Detected
Expected RT: 2.51

Processing Integration Results



RT: 2.54
Area: 43838
Amount: 5.334877
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:25:57

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

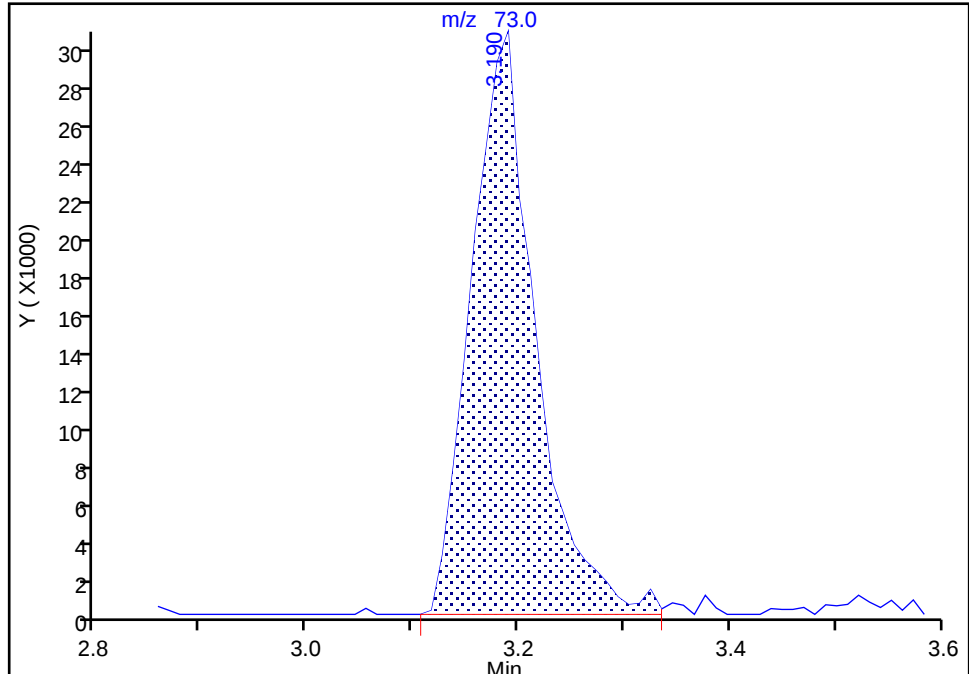
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Injection Date: 19-Apr-2019 18:19:30 Instrument ID: HP5975T
Lims ID: IC 3
Client ID:
Operator ID: KN ALS Bottle#: 30 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

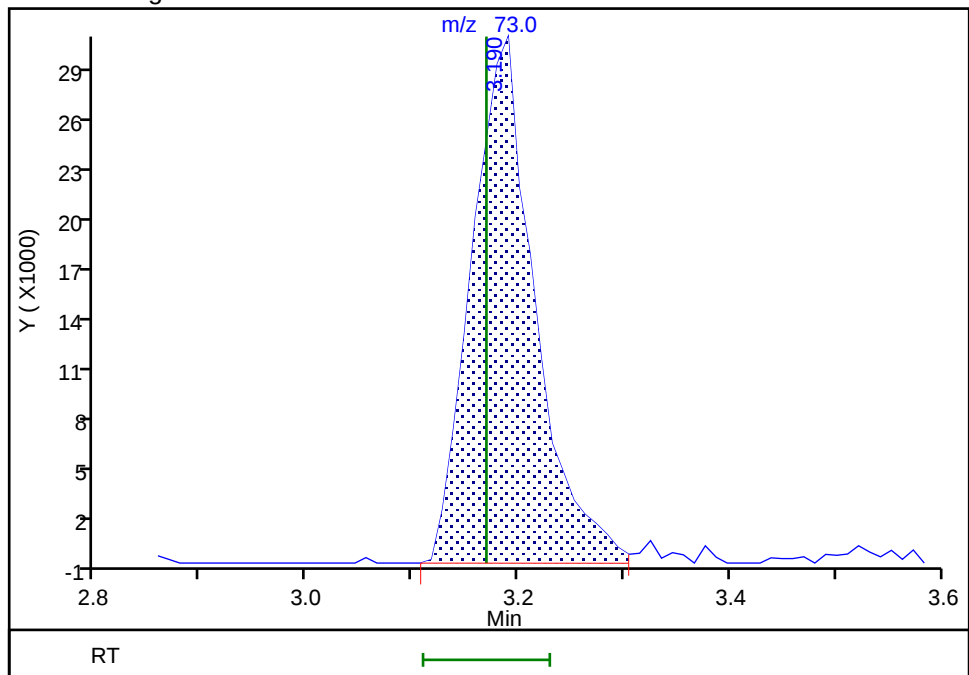
RT: 3.19
Area: 128002
Amount: 5.187670
Amount Units: ug/L

Processing Integration Results



RT: 3.19
Area: 126757
Amount: 5.143701
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:26:24

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

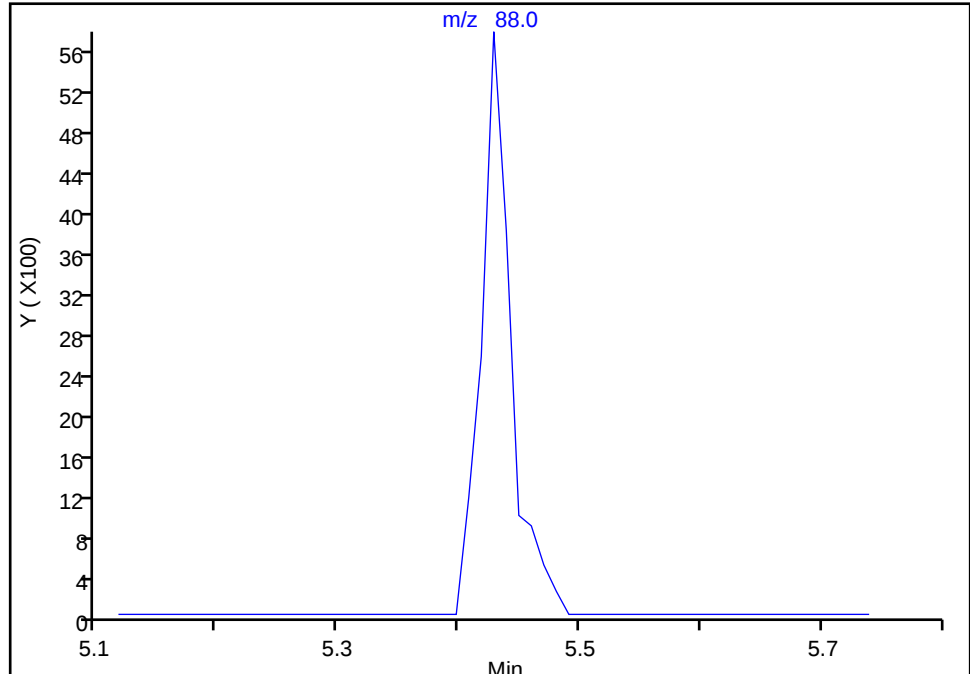
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Injection Date: 19-Apr-2019 18:19:30 Instrument ID: HP5975T
Lims ID: IC 3
Client ID:
Operator ID: KN ALS Bottle#: 30 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

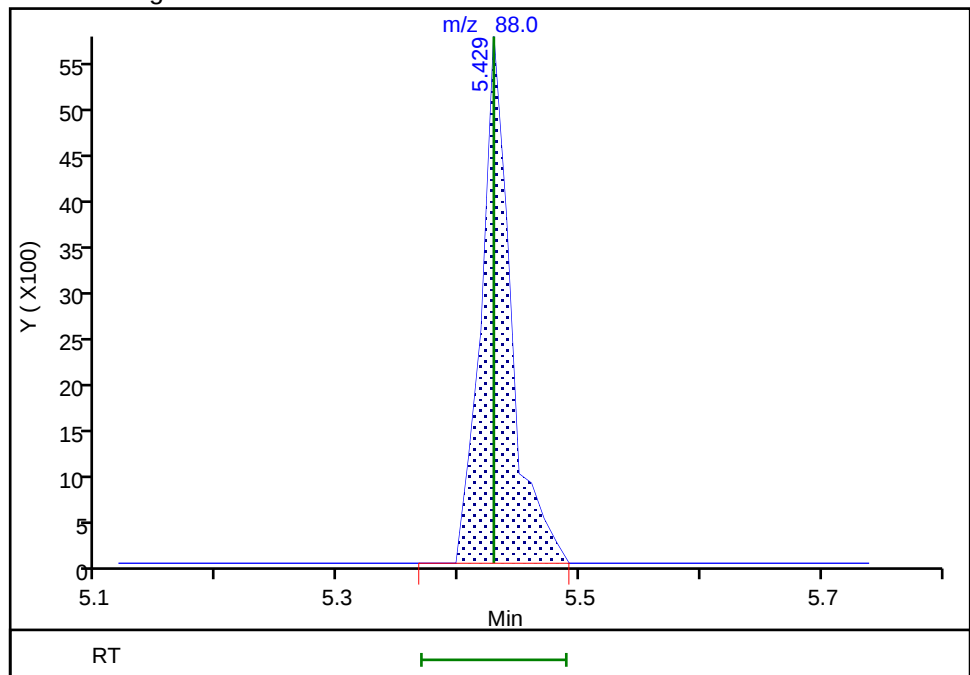
Not Detected
Expected RT: 5.43

Processing Integration Results



RT: 5.43
Area: 9844
Amount: 114.7972
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:26:52
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0011.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 19-Apr-2019 18:44:30 ALS Bottle#: 31 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic 4
 Misc. Info.: 480-0080365-009
 Operator ID: KN Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Apr-2019 13:29:49 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1032

First Level Reviewer: nowakk

Date: 22-Apr-2019 09:29:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.859	4.858	0.001	99	173498	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	88	690203	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	96	367064	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	92	228444	25.0	25.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	276258	25.0	26.4	
\$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.000	93	909051	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr	174	8.081	8.082	-0.001	0	268008	25.0	24.6	
11 Dichlorodifluoromethane	85	1.294	1.252	0.042	97	87781	10.0	9.33	
13 Chloromethane	50	1.428	1.418	0.010	98	118229	10.0	9.60	
151 Butadiene	54	1.501	1.491	0.010	90	104896	10.0	10.0	
14 Vinyl chloride	62	1.522	1.511	0.011	99	104137	10.0	9.31	
15 Bromomethane	94	1.781	1.771	0.011	93	94257	10.0	10.0	
16 Chloroethane	64	1.833	1.822	0.011	95	81703	10.0	12.3	
18 Dichlorofluoromethane	67	2.071	2.061	0.010	98	167671	10.0	10.1	
17 Trichlorofluoromethane	101	2.092	2.071	0.021	96	169382	10.0	9.92	
19 Ethyl ether	59	2.299	2.289	0.010	92	71798	10.0	9.19	
21 Acrolein	56	2.485	2.475	0.010	96	76643	50.0	53.0	
20 1,1,2-Trichloro-1,2,2-trif	101	2.537	2.506	0.031	64	60073	10.0	7.85	a
22 1,1-Dichloroethene	96	2.517	2.517	0.000	98	67654	10.0	8.37	
23 Acetone	43	2.631	2.620	0.011	99	127252	50.0	50.5	
24 Iodomethane	142	2.672	2.662	0.010	99	141227	10.0	9.19	
25 Carbon disulfide	76	2.713	2.714	-0.001	100	246864	10.0	9.02	
27 3-Chloro-1-propene	41	2.848	2.838	0.010	86	128628	10.0	8.68	
28 Methyl acetate	43	2.890	2.879	0.011	98	133232	20.0	20.6	
30 Methylene Chloride	84	2.993	2.983	0.010	97	94933	10.0	9.19	
31 2-Methyl-2-propanol	59	3.149	3.149	0.000	57	50459	100.0	87.3	
33 Methyl tert-butyl ether	73	3.180	3.170	0.010	99	236975	10.0	10.3	
32 trans-1,2-Dichloroethene	96	3.180	3.170	0.010	96	88450	10.0	9.39	
34 Acrylonitrile	53	3.232	3.232	0.000	99	343098	100.0	103.8	
35 Hexane	57	3.335	3.335	0.000	94	96981	10.0	7.76	

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	3.542	3.532	0.010	97	151356	10.0	9.59	
39 Vinyl acetate	43	3.584	3.574	0.010	97	283729	20.0	19.5	
42 2,2-Dichloropropane	77	3.988	3.978	0.010	88	102132	10.0	9.42	
43 cis-1,2-Dichloroethene	96	4.009	4.009	0.000	79	102318	10.0	10.0	
44 2-Butanone (MEK)	43	4.040	4.030	0.010	100	196819	50.0	49.2	
47 Chlorobromomethane	128	4.206	4.206	0.000	96	49490	10.0	9.55	
48 Tetrahydrofuran	42	4.216	4.216	0.000	95	56370	20.0	21.1	
50 Chloroform	83	4.268	4.268	0.000	94	164263	10.0	10.3	
51 1,1,1-Trichloroethane	97	4.361	4.361	0.000	96	100445	10.0	8.88	
52 Cyclohexane	56	4.372	4.361	0.011	92	121806	10.0	8.23	
53 Carbon tetrachloride	117	4.475	4.465	0.010	62	62670	10.0	8.26	
54 1,1-Dichloropropene	75	4.475	4.475	0.000	92	101062	10.0	8.38	
55 Benzene	78	4.641	4.641	0.000	91	336878	10.0	9.30	
56 Isobutyl alcohol	43	4.662	4.651	0.011	92	48513	250.0	237.1	M
57 1,2-Dichloroethane	62	4.703	4.693	0.010	97	129271	10.0	9.78	
59 n-Heptane	43	4.776	4.776	0.000	94	114898	10.0	8.28	
60 Trichloroethene	95	5.128	5.118	0.010	96	85313	10.0	9.23	
62 Methylcyclohexane	83	5.221	5.211	0.010	93	116855	10.0	8.06	
63 1,2-Dichloropropane	63	5.315	5.315	0.000	93	93184	10.0	10.5	
65 Dibromomethane	93	5.429	5.429	0.000	94	61878	10.0	10.7	
66 1,4-Dioxane	88	5.429	5.429	0.000	41	18446	200.0	209.6	a
67 Dichlorobromomethane	83	5.543	5.543	0.000	98	93007	10.0	8.88	
69 2-Chloroethyl vinyl ether	63	5.750	5.750	0.000	94	64028	10.0	10.9	
71 cis-1,3-Dichloropropene	75	5.864	5.854	0.010	93	123837	10.0	10.1	
72 4-Methyl-2-pentanone (MIBK)	43	5.967	5.968	-0.001	98	452403	50.0	52.9	
73 Toluene	92	6.081	6.082	-0.001	97	212866	10.0	9.01	
75 trans-1,3-Dichloropropene	75	6.289	6.289	0.000	96	109526	10.0	9.57	
77 Ethyl methacrylate	69	6.309	6.310	-0.001	91	84141	10.0	9.91	
78 1,1,2-Trichloroethane	83	6.434	6.434	0.000	88	71881	10.0	10.2	
79 Tetrachloroethene	166	6.486	6.486	0.000	93	78554	10.0	8.49	
80 1,3-Dichloropropane	76	6.558	6.558	0.000	94	144237	10.0	10.4	
81 2-Hexanone	43	6.600	6.600	0.000	99	293589	50.0	53.3	
82 Chlorodibromomethane	129	6.734	6.734	0.000	89	52455	10.0	9.01	
83 Ethylene Dibromide	107	6.817	6.817	0.000	99	79906	10.0	9.82	
86 Chlorobenzene	112	7.170	7.170	0.000	95	251071	10.0	9.20	
88 Ethylbenzene	91	7.232	7.232	0.000	98	395539	10.0	9.03	
89 1,1,1,2-Tetrachloroethane	131	7.242	7.242	0.000	84	55851	10.0	8.31	
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	162186	10.0	9.35	
91 o-Xylene	106	7.646	7.646	0.000	96	173716	10.0	10.4	
92 Styrene	104	7.667	7.667	0.000	95	278225	10.0	9.73	
93 Bromoform	173	7.853	7.864	-0.011	93	27236	10.0	9.87	
95 Isopropylbenzene	105	7.926	7.926	0.000	96	397721	10.0	9.25	
97 Bromobenzene	156	8.206	8.206	0.000	94	107571	10.0	9.55	
98 1,1,2,2-Tetrachloroethane	83	8.237	8.237	0.000	95	102066	10.0	10.0	
99 N-Propylbenzene	91	8.258	8.258	0.000	99	485851	10.0	9.05	
100 1,2,3-Trichloropropane	110	8.268	8.268	0.000	88	33312	10.0	9.45	
101 trans-1,4-Dichloro-2-buten	53	8.268	8.268	0.000	70	29606	10.0	9.99	
105 2-Chlorotoluene	126	8.341	8.341	0.000	96	103237	10.0	9.22	
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	95	345118	10.0	9.04	
102 4-Chlorotoluene	91	8.434	8.434	0.000	97	298838	10.0	9.05	
106 tert-Butylbenzene	134	8.651	8.652	-0.001	93	75579	10.0	9.21	
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	97	358221	10.0	9.29	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.828	8.828	0.000	94	428345	10.0	9.11	
111 4-Isopropyltoluene	119	8.952	8.952	0.000	97	358880	10.0	8.95	
110 1,3-Dichlorobenzene	146	8.962	8.962	0.000	97	205752	10.0	9.30	
113 1,4-Dichlorobenzene	146	9.035	9.035	0.000	94	211906	10.0	9.50	
115 n-Butylbenzene	91	9.284	9.284	0.000	97	332674	10.0	8.58	
116 1,2-Dichlorobenzene	146	9.346	9.346	0.000	95	199282	10.0	9.26	
117 1,2-Dibromo-3-Chloropropan	75	10.019	10.019	0.000	71	11068	10.0	8.58	
119 1,2,4-Trichlorobenzene	180	10.662	10.662	0.000	93	149534	10.0	9.49	
120 Hexachlorobutadiene	225	10.766	10.766	0.000	93	56480	10.0	8.35	
121 Naphthalene	128	10.869	10.869	0.000	98	366860	10.0	9.84	
122 1,2,3-Trichlorobenzene	180	11.066	11.066	0.000	94	151399	10.0	10.0	
S 124 1,2-Dichloroethene, Total	1				0			19.4	
S 126 Xylenes, Total	1				0			19.7	
S 125 Total BTEX	1				0			47.1	
S 123 1,3-Dichloropropene, Total	1				0			19.7	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00153

Amount Added: 5.00

Units: uL

GAS CORP mix_00336

Amount Added: 5.00

Units: uL

T_8260_Surr_00187

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00217

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0011.D

Injection Date: 19-Apr-2019 18:44:30

Instrument ID: HP5975T

Lims ID: IC 4

Operator ID: KN

Client ID:

Worklist Smp#: 9

Purge Vol: 5.000 mL

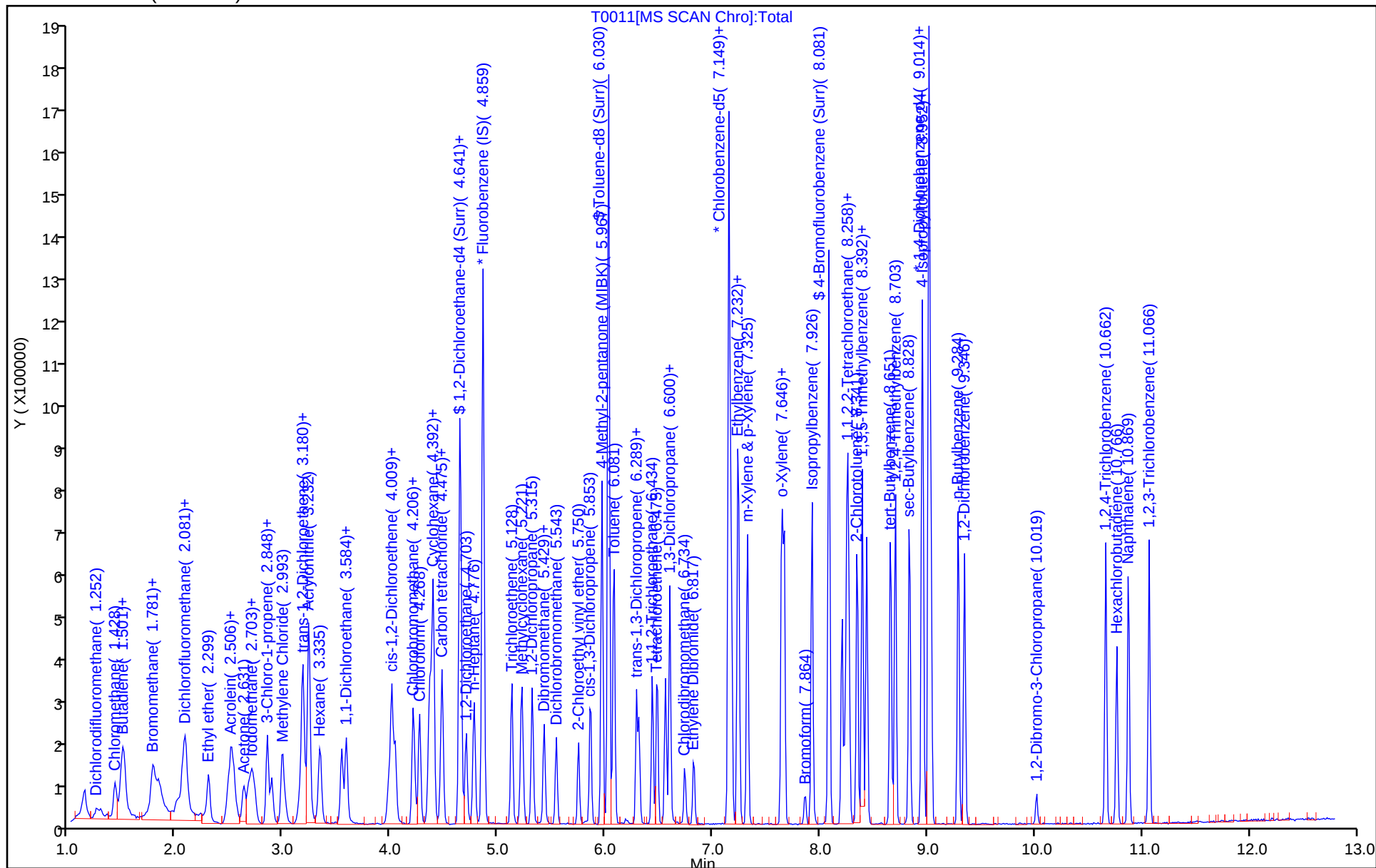
Dil. Factor: 1.0000

ALS Bottle#: 31

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

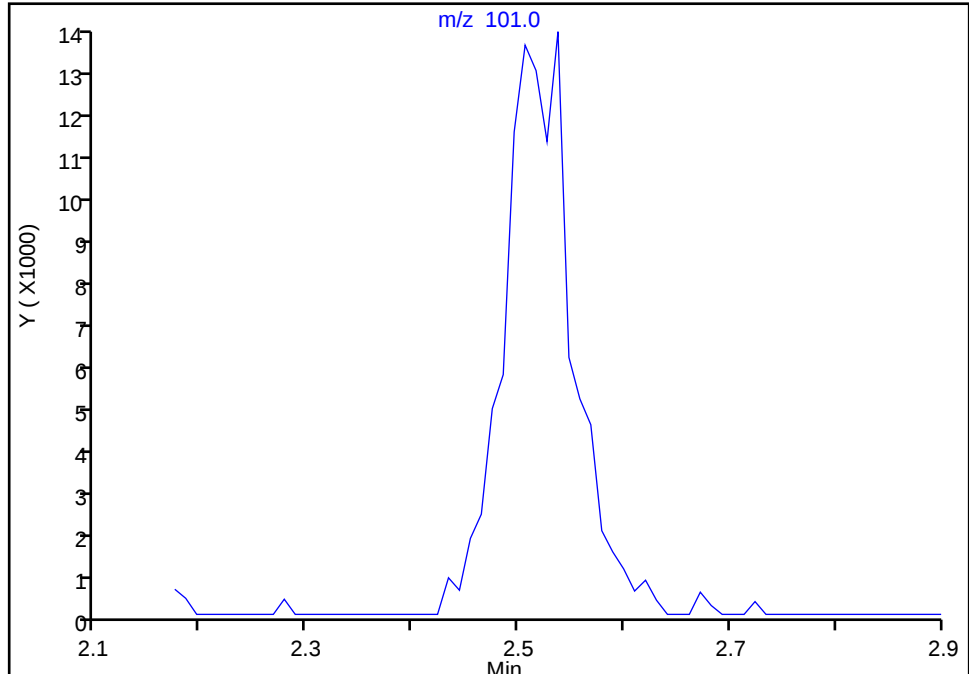
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Injection Date: 19-Apr-2019 18:44:30 Instrument ID: HP5975T
Lims ID: IC 4
Client ID:
Operator ID: KN ALS Bottle#: 31 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

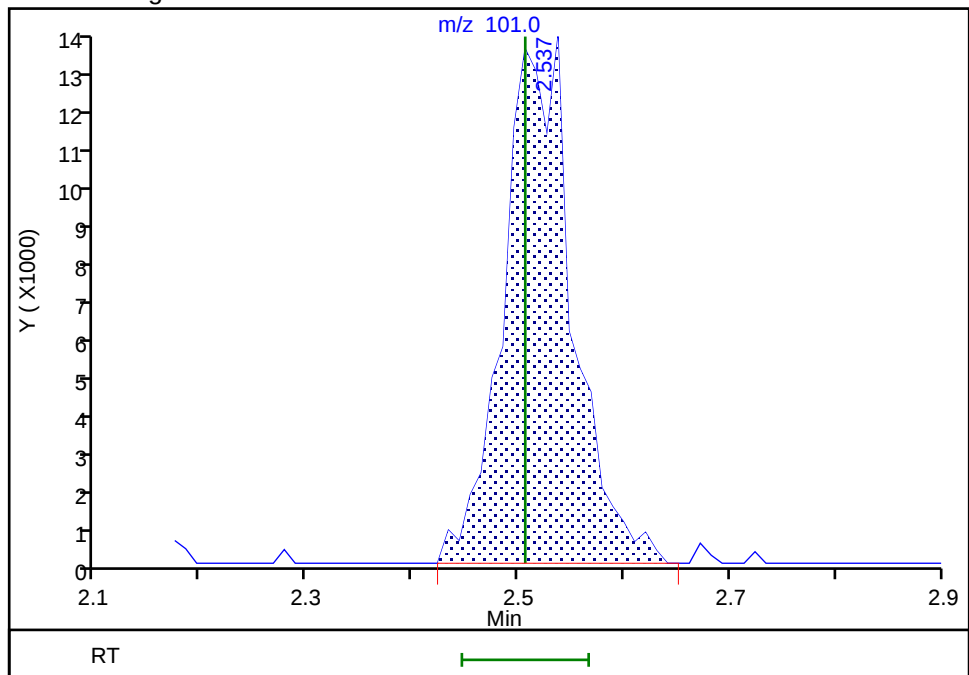
Not Detected
Expected RT: 2.51

Processing Integration Results



RT: 2.54
Area: 60073
Amount: 7.846029
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:27:54
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected
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05/17/2019

Eurofins TestAmerica, Buffalo

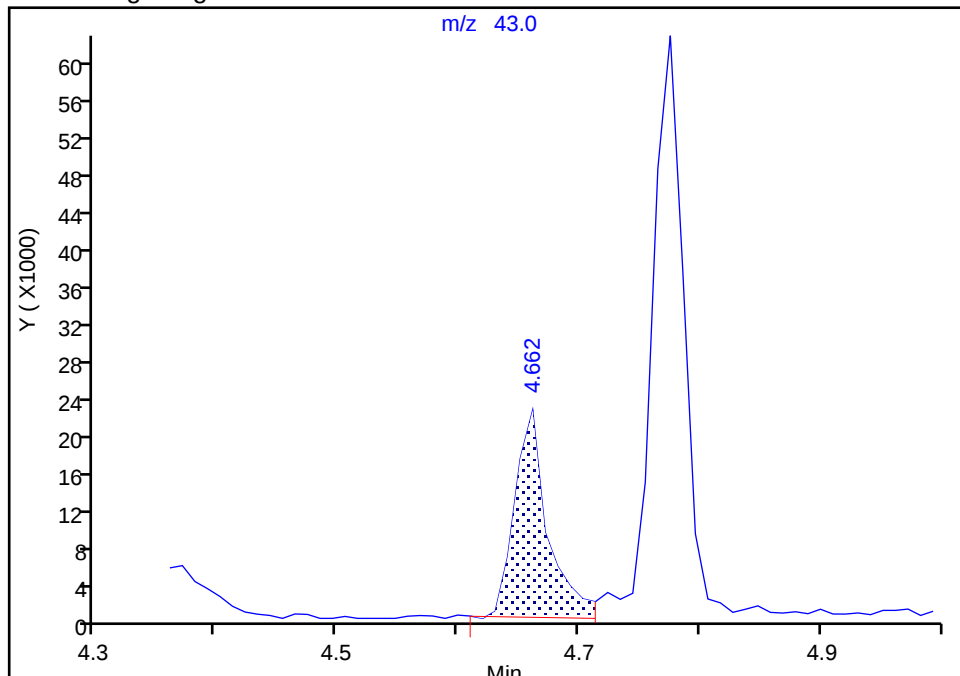
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Injection Date: 19-Apr-2019 18:44:30 Instrument ID: HP5975T
Lims ID: IC 4
Client ID:
Operator ID: KN ALS Bottle#: 31 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

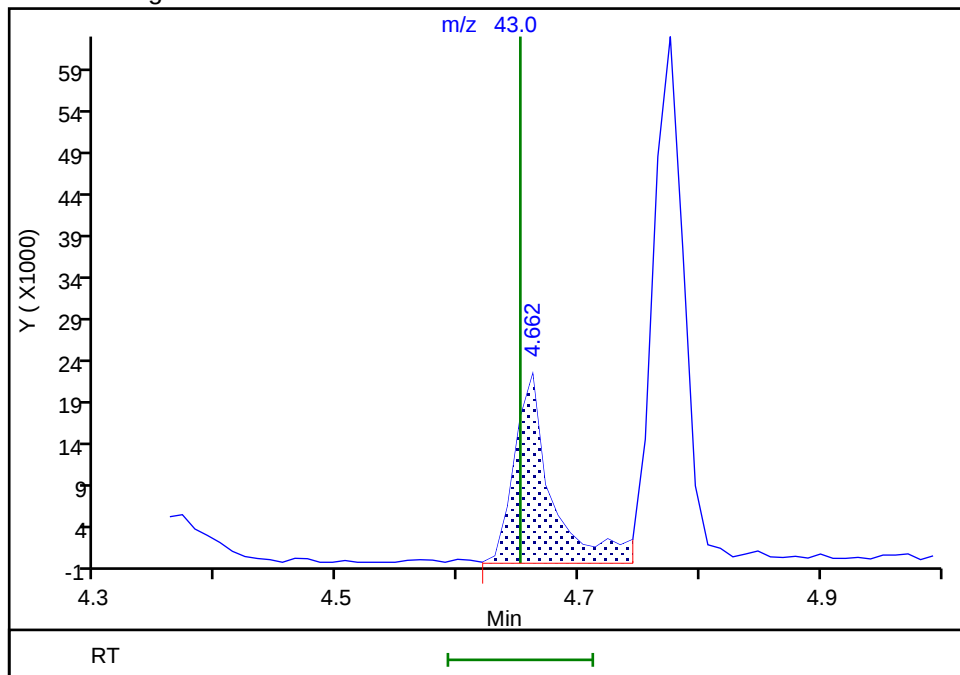
RT: 4.66
Area: 42290
Amount: 210.3864
Amount Units: ug/L

Processing Integration Results



RT: 4.66
Area: 48513
Amount: 237.1496
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:46:46

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

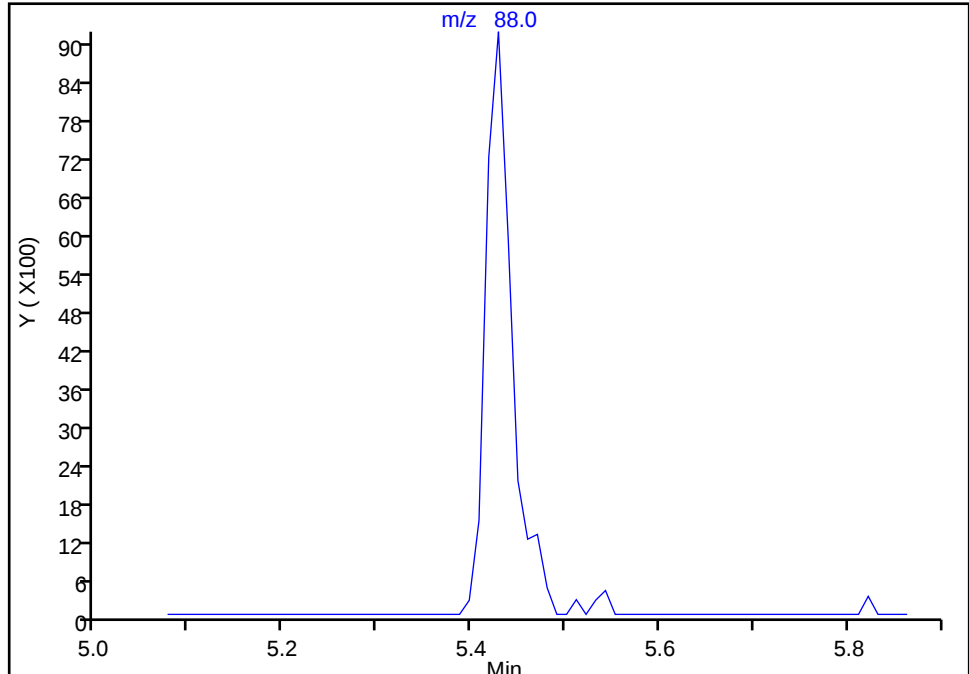
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Injection Date: 19-Apr-2019 18:44:30 Instrument ID: HP5975T
Lims ID: IC 4
Client ID:
Operator ID: KN ALS Bottle#: 31 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

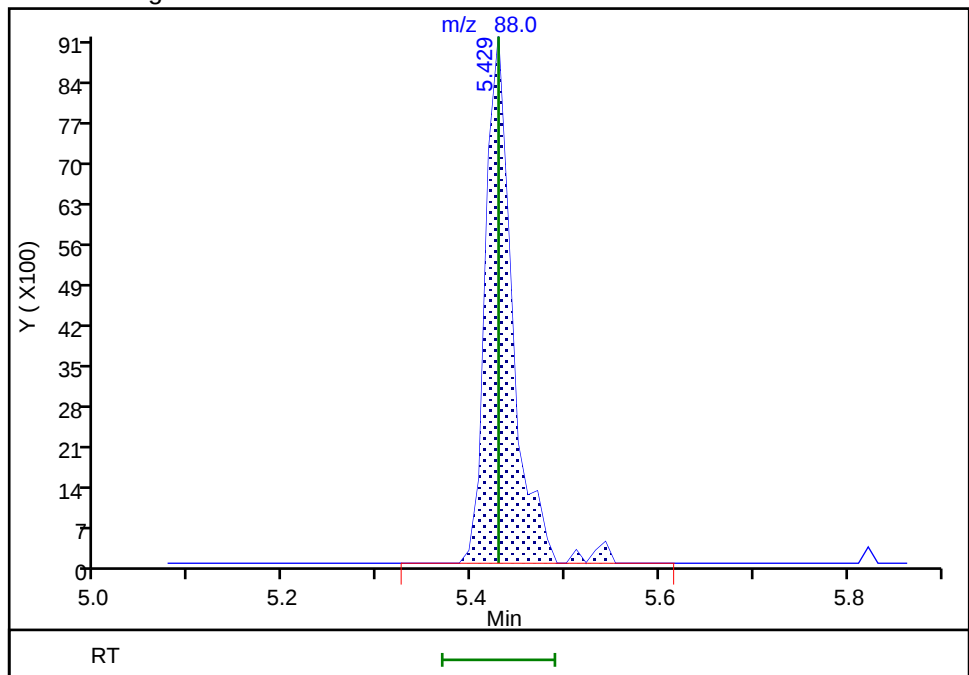
Not Detected
Expected RT: 5.43

Processing Integration Results



RT: 5.43
Area: 18446
Amount: 209.6037
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:28:26

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0012.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 19-Apr-2019 19:08:30 ALS Bottle#: 32 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: icis 5
 Misc. Info.: 480-0080365-010
 Operator ID: KN Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Apr-2019 13:29:56 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1032

First Level Reviewer: HillL

Date: 23-Apr-2019 13:18:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.859	4.859	0.000	99	183743	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	86	680940	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	95	366661	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	92	237213	25.0	24.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	269438	25.0	24.3	
\$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.000	94	927058	25.0	25.6	
\$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.082	0.000	0	281724	25.0	26.2	
11 Dichlorodifluoromethane	85	1.252	1.252	0.000	99	232407	25.0	23.3	
13 Chloromethane	50	1.418	1.418	0.000	98	297517	25.0	22.8	
151 Butadiene	54	1.491	1.491	0.000	92	250109	25.0	22.5	
14 Vinyl chloride	62	1.511	1.511	0.000	98	264818	25.0	22.4	
15 Bromomethane	94	1.771	1.771	0.000	93	234183	25.0	23.5	
16 Chloroethane	64	1.822	1.822	0.000	97	172350	25.0	25.1	
18 Dichlorofluoromethane	67	2.061	2.061	0.000	95	401178	25.0	22.9	
17 Trichlorofluoromethane	101	2.071	2.071	0.000	69	388147	25.0	21.5	
19 Ethyl ether	59	2.289	2.289	0.000	94	184897	25.0	22.4	
21 Acrolein	56	2.475	2.475	0.000	99	186823	125.0	121.9	
20 1,1,2-Trichloro-1,2,2-trif	101	2.506	2.506	0.000	79	185651	25.0	22.9	
22 1,1-Dichloroethene	96	2.517	2.517	0.000	98	184724	25.0	21.6	
23 Acetone	43	2.620	2.620	0.000	99	317775	125.0	119.0	
24 Iodomethane	142	2.662	2.662	0.000	99	369269	25.0	22.7	
25 Carbon disulfide	76	2.714	2.714	0.000	100	679233	25.0	23.4	
27 3-Chloro-1-propene	41	2.838	2.838	0.000	89	344080	25.0	21.9	
28 Methyl acetate	43	2.879	2.879	0.000	99	330620	50.0	48.3	
30 Methylene Chloride	84	2.983	2.983	0.000	96	248362	25.0	22.7	
31 2-Methyl-2-propanol	59	3.149	3.149	0.000	46	153531	250.0	250.9	
32 trans-1,2-Dichloroethene	96	3.170	3.170	0.000	98	217023	25.0	21.7	
33 Methyl tert-butyl ether	73	3.170	3.170	0.000	90	600908	25.0	24.7	
34 Acrylonitrile	53	3.232	3.232	0.000	98	874335	250.0	249.8	
35 Hexane	57	3.335	3.335	0.000	95	295996	25.0	22.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.532	3.532	0.000	96	386546	25.0	23.1	
39 Vinyl acetate	43	3.574	3.574	0.000	98	790401	50.0	51.2	
42 2,2-Dichloropropane	77	3.978	3.978	0.000	91	266582	25.0	23.2	
43 cis-1,2-Dichloroethene	96	4.009	4.009	0.000	84	251240	25.0	23.2	
44 2-Butanone (MEK)	43	4.030	4.030	0.000	100	493109	125.0	116.5	
47 Chlorobromomethane	128	4.206	4.206	0.000	96	129218	25.0	23.5	
48 Tetrahydrofuran	42	4.216	4.216	0.000	87	133365	50.0	47.1	
50 Chloroform	83	4.268	4.268	0.000	95	398334	25.0	24.0	
51 1,1,1-Trichloroethane	97	4.361	4.361	0.000	98	288441	25.0	24.1	
52 Cyclohexane	56	4.361	4.361	0.000	96	370421	25.0	23.6	
53 Carbon tetrachloride	117	4.465	4.465	0.000	67	182126	25.0	22.7	
54 1,1-Dichloropropene	75	4.475	4.475	0.000	92	286953	25.0	22.5	
55 Benzene	78	4.641	4.641	0.000	97	882398	25.0	23.0	
56 Isobutyl alcohol	43	4.651	4.651	0.000	93	133073	625.0	614.2	
57 1,2-Dichloroethane	62	4.693	4.693	0.000	97	324768	25.0	23.2	
59 n-Heptane	43	4.776	4.776	0.000	92	319788	25.0	21.8	
60 Trichloroethene	95	5.118	5.118	0.000	97	224385	25.0	22.9	
62 Methylcyclohexane	83	5.211	5.211	0.000	93	357965	25.0	23.3	
63 1,2-Dichloropropane	63	5.315	5.315	0.000	92	229029	25.0	24.4	
66 1,4-Dioxane	88	5.429	5.429	0.000	43	48603	500.0	551.3	
65 Dibromomethane	93	5.429	5.429	0.000	97	147002	25.0	24.0	
67 Dichlorobromomethane	83	5.543	5.543	0.000	98	250568	25.0	22.6	
69 2-Chloroethyl vinyl ether	63	5.750	5.750	0.000	94	151786	25.0	24.4	
71 cis-1,3-Dichloropropene	75	5.854	5.854	0.000	94	337519	25.0	26.1	
72 4-Methyl-2-pentanone (MIBK)	43	5.968	5.968	0.000	98	1131093	125.0	134.1	
73 Toluene	92	6.082	6.082	0.000	98	570084	25.0	24.5	
75 trans-1,3-Dichloropropene	75	6.289	6.289	0.000	96	301231	25.0	26.7	
77 Ethyl methacrylate	69	6.310	6.310	0.000	90	221847	25.0	26.5	
78 1,1,2-Trichloroethane	83	6.434	6.434	0.000	92	185390	25.0	26.7	
79 Tetrachloroethene	166	6.486	6.486	0.000	95	227102	25.0	24.9	
80 1,3-Dichloropropane	76	6.558	6.558	0.000	93	356328	25.0	26.1	
81 2-Hexanone	43	6.600	6.600	0.000	98	762427	125.0	140.3	
82 Chlorodibromomethane	129	6.734	6.734	0.000	88	153956	25.0	26.8	
83 Ethylene Dibromide	107	6.817	6.817	0.000	98	215341	25.0	26.8	
86 Chlorobenzene	112	7.170	7.170	0.000	95	654592	25.0	24.3	
88 Ethylbenzene	91	7.232	7.232	0.000	98	1060317	25.0	24.5	
89 1,1,1,2-Tetrachloroethane	131	7.242	7.242	0.000	88	162200	25.0	24.5	
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	412916	25.0	24.1	
91 o-Xylene	106	7.646	7.646	0.000	96	417319	25.0	25.2	
92 Styrene	104	7.667	7.667	0.000	95	713273	25.0	25.3	
93 Bromoform	173	7.864	7.864	0.000	95	73886	25.0	27.1	
95 Isopropylbenzene	105	7.926	7.926	0.000	96	1028050	25.0	23.9	
97 Bromobenzene	156	8.206	8.206	0.000	94	274776	25.0	24.4	
98 1,1,2,2-Tetrachloroethane	83	8.237	8.237	0.000	93	257815	25.0	25.4	
99 N-Propylbenzene	91	8.258	8.258	0.000	99	1253612	25.0	23.4	
100 1,2,3-Trichloropropane	110	8.268	8.268	0.000	91	89409	25.0	25.4	
101 trans-1,4-Dichloro-2-buten	53	8.268	8.268	0.000	74	75973	25.0	25.7	
105 2-Chlorotoluene	126	8.341	8.341	0.000	96	261876	25.0	23.4	
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	95	916063	25.0	24.0	
102 4-Chlorotoluene	91	8.434	8.434	0.000	98	787067	25.0	23.9	
106 tert-Butylbenzene	134	8.652	8.652	0.000	93	201245	25.0	24.5	
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	97	933199	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
109 sec-Butylbenzene	105	8.828	8.828	0.000	95	1122093	25.0	23.9	
111 4-Isopropyltoluene	119	8.952	8.952	0.000	97	958706	25.0	23.9	
110 1,3-Dichlorobenzene	146	8.962	8.962	0.000	97	518058	25.0	23.4	
113 1,4-Dichlorobenzene	146	9.035	9.035	0.000	93	519146	25.0	23.3	
115 n-Butylbenzene	91	9.284	9.284	0.000	98	918389	25.0	23.7	
116 1,2-Dichlorobenzene	146	9.346	9.346	0.000	97	532456	25.0	24.8	
117 1,2-Dibromo-3-Chloropropan	75	10.019	10.019	0.000	77	30844	25.0	23.9	
119 1,2,4-Trichlorobenzene	180	10.662	10.662	0.000	94	386867	25.0	24.6	
120 Hexachlorobutadiene	225	10.766	10.766	0.000	97	161013	25.0	23.8	
121 Naphthalene	128	10.869	10.869	0.000	97	982714	25.0	26.4	
122 1,2,3-Trichlorobenzene	180	11.066	11.066	0.000	95	368677	25.0	24.4	

Reagents:

8260 CORP mix_00153	Amount Added: 12.50	Units: uL	
GAS CORP mix_00336	Amount Added: 12.50	Units: uL	
T_8260_Surr_00187	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00217	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0012.D

Injection Date: 19-Apr-2019 19:08:30

Instrument ID: HP5975T

Operator ID: KN

Lims ID: ICIS 5

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

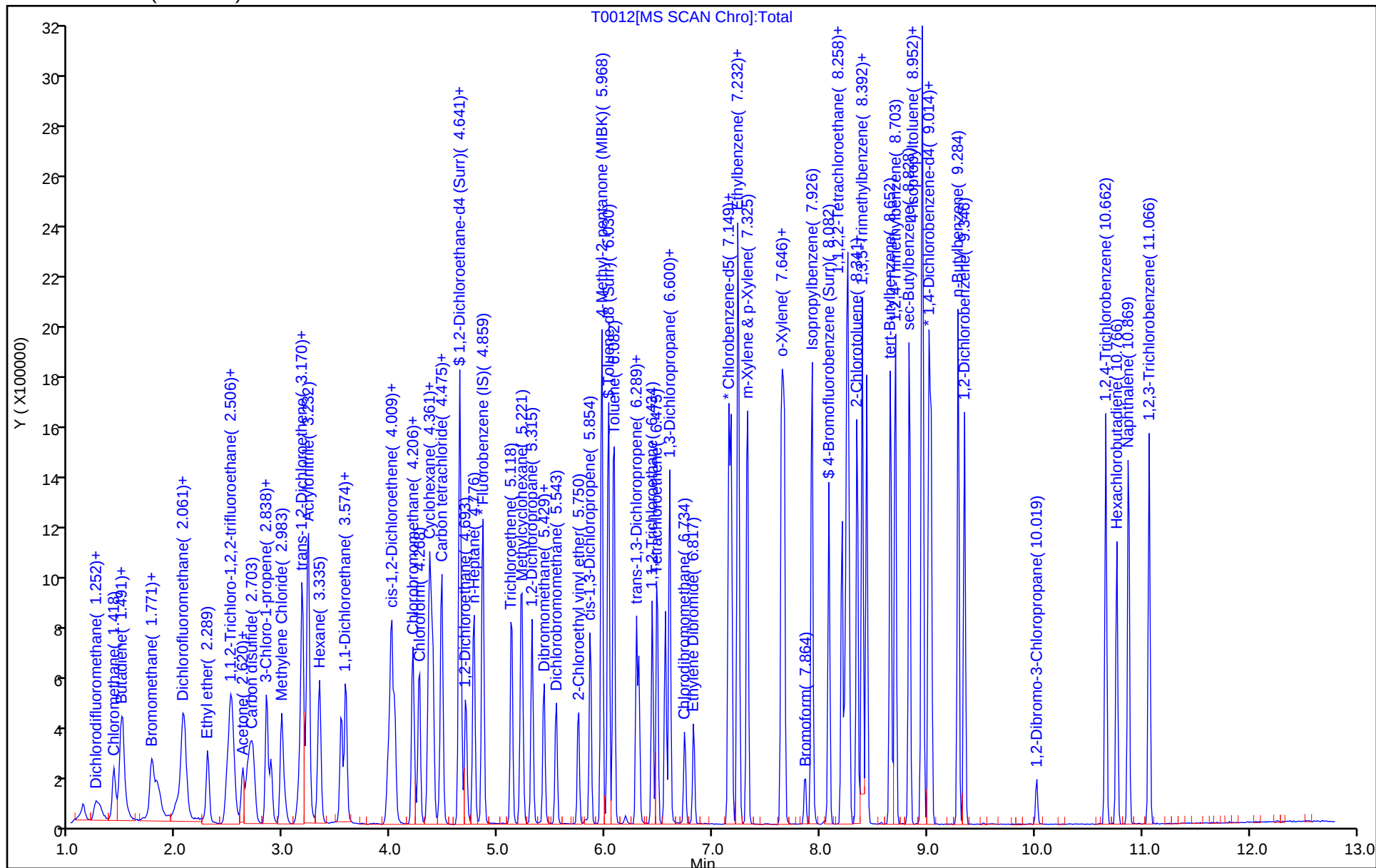
Dil. Factor: 1.0000

ALS Bottle#: 32

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0013.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 19-Apr-2019 19:32:30 ALS Bottle#: 33 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic 6
 Misc. Info.: 480-0080365-011
 Operator ID: KN Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Apr-2019 13:30:03 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1032

First Level Reviewer: nowakk

Date: 22-Apr-2019 09:30:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.859	4.859	0.000	98	176848	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	86	710149	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	95	355821	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	93	236957	25.0	25.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	267826	25.0	25.1	
\$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.000	94	929245	25.0	24.6	
\$ 7 4-Bromofluorobenzene (Surr	174	8.081	8.082	-0.001	0	273579	25.0	24.4	
11 Dichlorodifluoromethane	85	1.273	1.252	0.021	100	485244	50.0	50.6	
13 Chloromethane	50	1.439	1.418	0.021	99	576828	50.0	45.9	M
151 Butadiene	54	1.501	1.491	0.010	87	510756	50.0	47.8	
14 Vinyl chloride	62	1.522	1.511	0.011	98	520870	50.0	45.7	
15 Bromomethane	94	1.791	1.771	0.021	93	425533	50.0	44.3	
16 Chloroethane	64	1.833	1.822	0.011	97	339537	50.0	52.1	
18 Dichlorofluoromethane	67	2.081	2.061	0.020	97	784166	50.0	46.5	
17 Trichlorofluoromethane	101	2.092	2.071	0.021	97	805181	50.0	46.2	
19 Ethyl ether	59	2.299	2.289	0.010	94	363321	50.0	45.6	
21 Acrolein	56	2.485	2.475	0.010	100	345196	250.0	234.0	
20 1,1,2-Trichloro-1,2,2-trif	101	2.527	2.506	0.021	93	413457	50.0	53.0	
22 1,1-Dichloroethene	96	2.517	2.517	0.000	97	393460	50.0	47.7	
23 Acetone	43	2.631	2.620	0.011	99	594315	250.0	231.2	
24 Iodomethane	142	2.682	2.662	0.020	99	756614	50.0	48.3	
25 Carbon disulfide	76	2.724	2.714	0.010	100	1466782	50.0	52.6	
27 3-Chloro-1-propene	41	2.848	2.838	0.010	89	726398	50.0	48.1	
28 Methyl acetate	43	2.890	2.879	0.011	99	641261	100.0	97.4	
30 Methylene Chloride	84	2.993	2.983	0.010	91	495019	50.0	47.0	
31 2-Methyl-2-propanol	59	3.149	3.149	0.000	64	319320	500.0	542.1	
33 Methyl tert-butyl ether	73	3.180	3.170	0.010	94	1151913	50.0	49.2	
32 trans-1,2-Dichloroethene	96	3.180	3.170	0.010	99	459186	50.0	47.8	
34 Acrylonitrile	53	3.232	3.232	0.000	99	1623211	500.0	481.9	
35 Hexane	57	3.346	3.335	0.011	95	670103	50.0	52.6	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	3.542	3.532	0.010	96	797831	50.0	49.6	
39 Vinyl acetate	43	3.584	3.574	0.010	98	1652504	100.0	111.3	
42 2,2-Dichloropropane	77	3.988	3.978	0.010	93	575728	50.0	52.1	
43 cis-1,2-Dichloroethene	96	4.009	4.009	0.000	82	516750	50.0	49.5	
44 2-Butanone (MEK)	43	4.040	4.030	0.010	100	968163	250.0	237.7	
47 Chlorobromomethane	128	4.206	4.206	0.000	96	268707	50.0	50.9	
48 Tetrahydrofuran	42	4.216	4.216	0.000	88	256837	100.0	94.3	
50 Chloroform	83	4.268	4.268	0.000	96	824664	50.0	51.9	
51 1,1,1-Trichloroethane	97	4.361	4.361	0.000	97	642464	50.0	55.7	
52 Cyclohexane	56	4.372	4.361	0.011	95	797486	50.0	52.9	
53 Carbon tetrachloride	117	4.475	4.465	0.010	97	452326	50.0	58.5	
54 1,1-Dichloropropene	75	4.475	4.475	0.000	94	618573	50.0	50.3	
55 Benzene	78	4.641	4.641	0.000	98	1793992	50.0	48.6	
56 Isobutyl alcohol	43	4.662	4.651	0.011	94	292916	1250.0	1404.8	
57 1,2-Dichloroethane	62	4.703	4.693	0.010	97	639736	50.0	47.5	
59 n-Heptane	43	4.776	4.776	0.000	95	753123	50.0	53.3	
60 Trichloroethene	95	5.128	5.118	0.010	97	482989	50.0	51.2	
62 Methylcyclohexane	83	5.221	5.211	0.010	92	804729	50.0	54.5	
63 1,2-Dichloropropane	63	5.315	5.315	0.000	93	461616	50.0	51.1	
65 Dibromomethane	93	5.429	5.429	0.000	96	301335	50.0	51.1	
66 1,4-Dioxane	88	5.429	5.429	0.000	43	93091	1000.0	1008.3	
67 Dichlorobromomethane	83	5.543	5.543	0.000	98	528193	50.0	49.5	
69 2-Chloroethyl vinyl ether	63	5.750	5.750	0.000	93	304910	50.0	51.0	
71 cis-1,3-Dichloropropene	75	5.864	5.854	0.010	94	697316	50.0	55.9	
72 4-Methyl-2-pentanone (MIBK)	43	5.967	5.968	-0.001	98	2153738	250.0	244.7	
73 Toluene	92	6.081	6.082	-0.001	99	1166139	50.0	48.0	
75 trans-1,3-Dichloropropene	75	6.289	6.289	0.000	96	614569	50.0	52.2	
77 Ethyl methacrylate	69	6.309	6.310	-0.001	90	484884	50.0	55.5	
78 1,1,2-Trichloroethane	83	6.434	6.434	0.000	91	351209	50.0	48.5	
79 Tetrachloroethene	166	6.486	6.486	0.000	96	480913	50.0	50.5	
80 1,3-Dichloropropane	76	6.558	6.558	0.000	93	695624	50.0	48.8	
81 2-Hexanone	43	6.600	6.600	0.000	98	1450113	250.0	255.8	
82 Chlorodibromomethane	129	6.734	6.734	0.000	90	341965	50.0	57.1	
83 Ethylene Dibromide	107	6.817	6.817	0.000	99	407304	50.0	48.7	
86 Chlorobenzene	112	7.170	7.170	0.000	95	1309844	50.0	46.7	
88 Ethylbenzene	91	7.232	7.232	0.000	98	2180741	50.0	48.4	
89 1,1,1,2-Tetrachloroethane	131	7.242	7.242	0.000	90	365998	50.0	52.9	
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	873832	50.0	49.0	
91 o-Xylene	106	7.646	7.646	0.000	96	862678	50.0	50.0	
92 Styrene	104	7.667	7.667	0.000	96	1468065	50.0	49.9	
93 Bromoform	173	7.864	7.864	0.000	95	155323	50.0	54.7	
95 Isopropylbenzene	105	7.926	7.926	0.000	96	2206974	50.0	52.9	
97 Bromobenzene	156	8.206	8.206	0.000	94	543294	50.0	49.8	
98 1,1,2,2-Tetrachloroethane	83	8.237	8.237	0.000	96	503097	50.0	51.1	
99 N-Propylbenzene	91	8.258	8.258	0.000	99	2644158	50.0	50.8	
100 1,2,3-Trichloropropane	110	8.268	8.268	0.000	88	161781	50.0	47.4	
101 trans-1,4-Dichloro-2-buten	53	8.268	8.268	0.000	72	146180	50.0	50.9	
105 2-Chlorotoluene	126	8.341	8.341	0.000	96	535835	50.0	49.4	
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	95	1896188	50.0	51.2	
102 4-Chlorotoluene	91	8.434	8.434	0.000	97	1595225	50.0	49.8	
106 tert-Butylbenzene	134	8.651	8.652	-0.001	94	419050	50.0	52.7	
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	97	1904903	50.0	51.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.828	8.828	0.000	94	2446286	50.0	53.7	
111 4-Isopropyltoluene	119	8.952	8.952	0.000	97	2073626	50.0	53.3	
110 1,3-Dichlorobenzene	146	8.962	8.962	0.000	98	1068693	50.0	49.8	
113 1,4-Dichlorobenzene	146	9.035	9.035	0.000	95	1065229	50.0	49.3	
115 n-Butylbenzene	91	9.284	9.284	0.000	98	1981515	50.0	52.7	
116 1,2-Dichlorobenzene	146	9.346	9.346	0.000	97	1035262	50.0	49.6	
117 1,2-Dibromo-3-Chloropropan	75	10.019	10.019	0.000	79	62793	50.0	50.2	
119 1,2,4-Trichlorobenzene	180	10.662	10.662	0.000	94	765043	50.0	50.1	
120 Hexachlorobutadiene	225	10.766	10.766	0.000	97	356951	50.0	54.4	
121 Naphthalene	128	10.869	10.869	0.000	98	1864056	50.0	51.6	
122 1,2,3-Trichlorobenzene	180	11.066	11.066	0.000	95	723392	50.0	49.4	
S 124 1,2-Dichloroethene, Total	1				0			97.3	
S 126 Xylenes, Total	1				0			99.0	
S 125 Total BTEX	1				0			244.0	
S 123 1,3-Dichloropropene, Total	1				0			108.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00153

Amount Added: 25.00

Units: uL

GAS CORP mix_00336

Amount Added: 25.00

Units: uL

T_8260_Surr_00187

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00217

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0013.D

Injection Date: 19-Apr-2019 19:32:30

Instrument ID: HP5975T

Operator ID: KN

Lims ID: IC 6

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

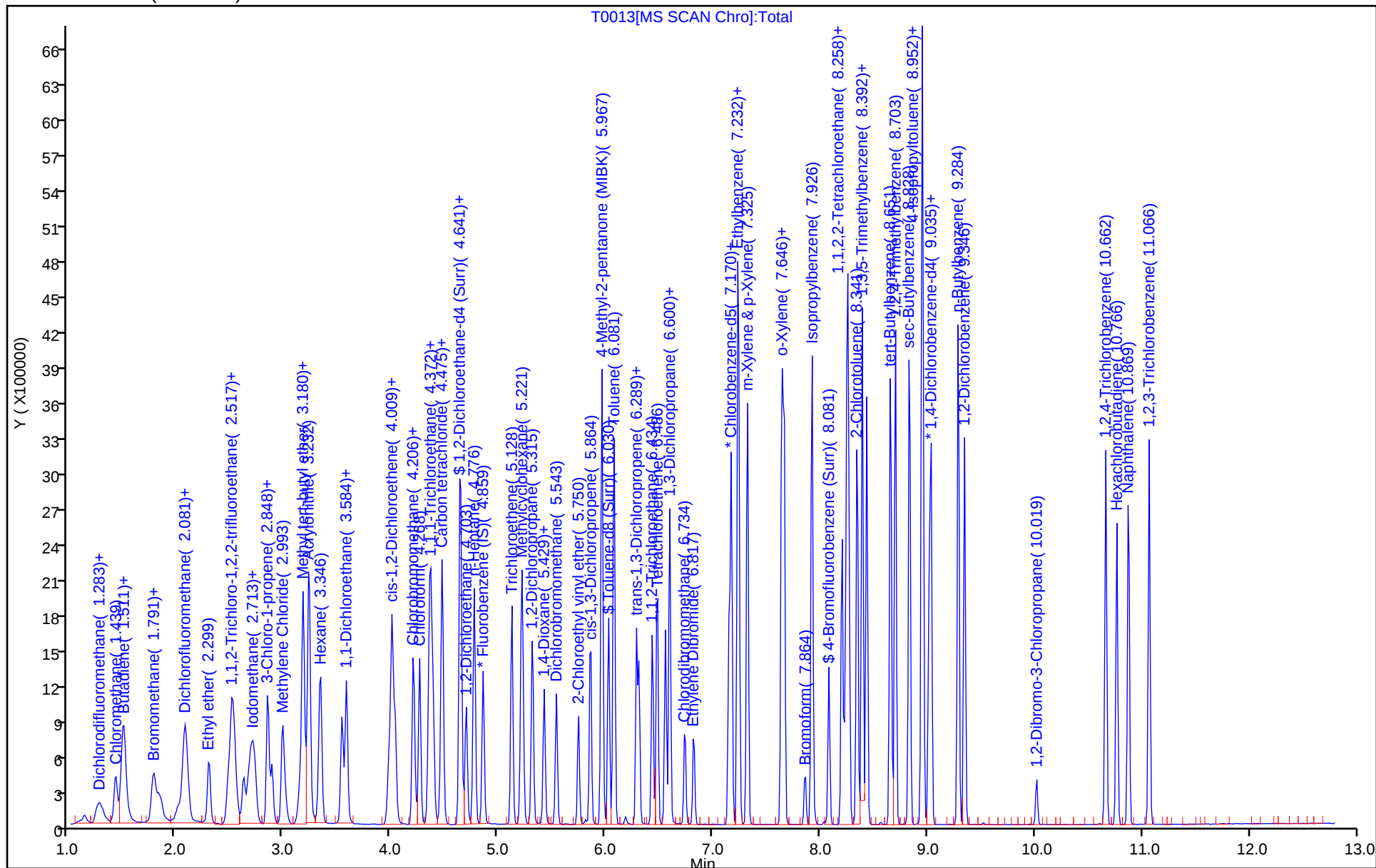
Dil. Factor: 1.0000

ALS Bottle#: 33

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

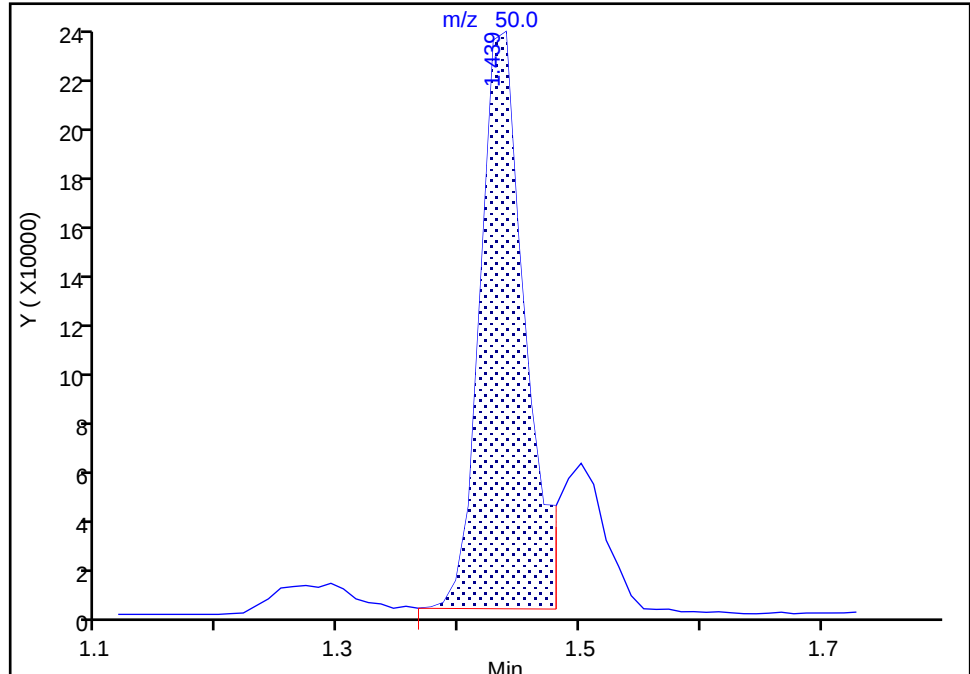
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Injection Date: 19-Apr-2019 19:32:30 Instrument ID: HP5975T
Lims ID: IC 6
Client ID:
Operator ID: KN ALS Bottle#: 33 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

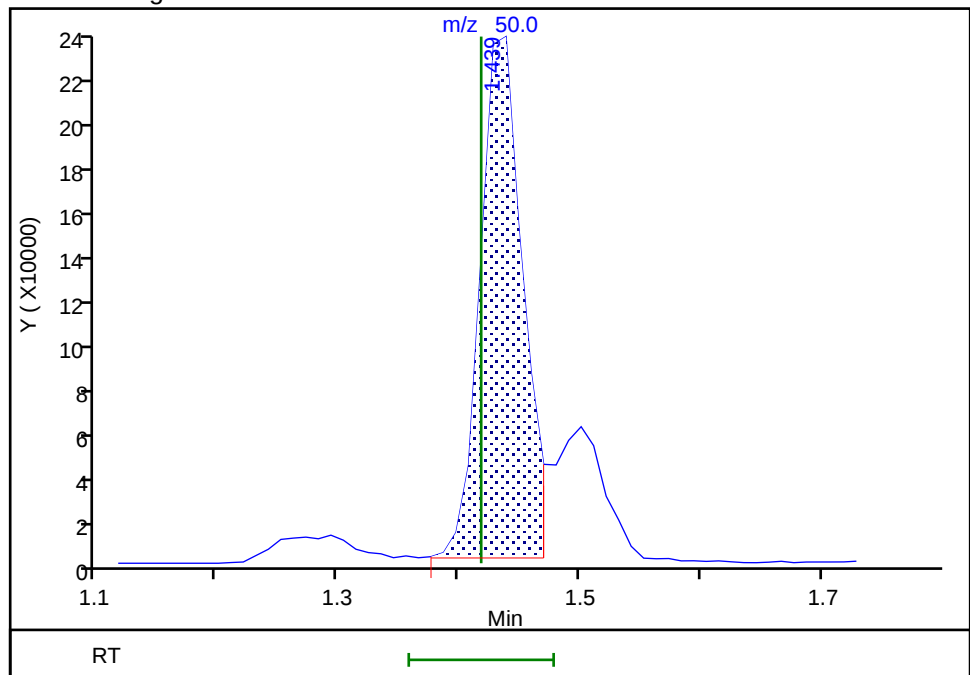
RT: 1.44
Area: 603212
Amount: 53.531936
Amount Units: ug/L

Processing Integration Results



RT: 1.44
Area: 576828
Amount: 45.930987
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:29:28
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 418 of 543

05/17/2019

Eurofins TestAmerica, Buffalo

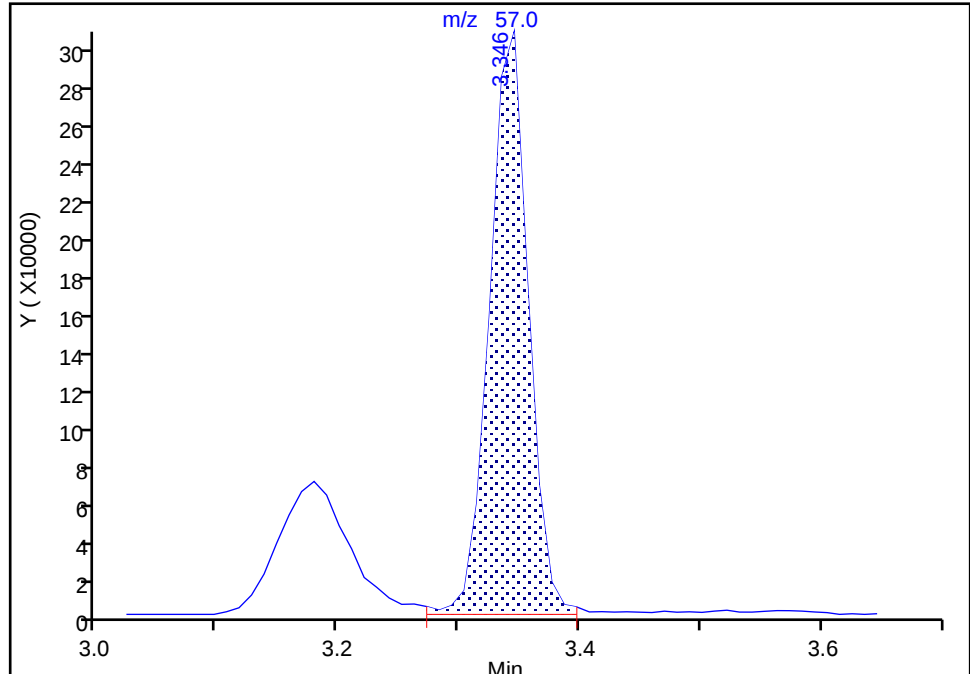
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Injection Date: 19-Apr-2019 19:32:30 Instrument ID: HP5975T
Lims ID: IC 6
Client ID:
Operator ID: KN ALS Bottle#: 33 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

35 Hexane, CAS: 110-54-3

Signal: 1

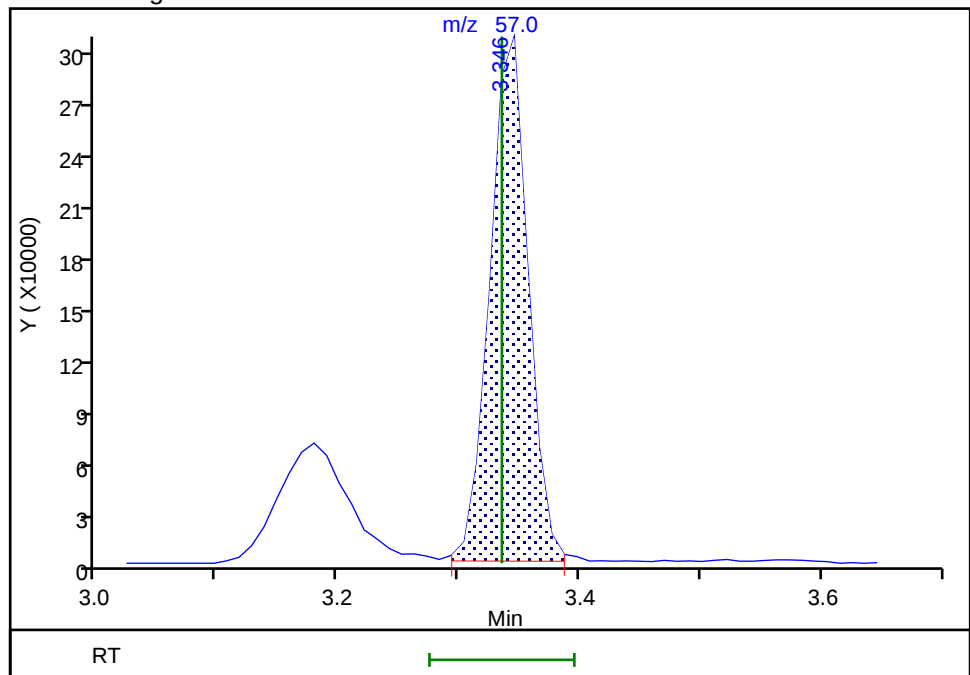
RT: 3.35
Area: 684118
Amount: 53.551004
Amount Units: ug/L

Processing Integration Results



RT: 3.35
Area: 670103
Amount: 52.598204
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 22-Apr-2019 09:30:08
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 419 of 543

05/17/2019

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0014.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 19-Apr-2019 19:57:30 ALS Bottle#: 34 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic 7
 Misc. Info.: 480-0080365-012
 Operator ID: KN Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Apr-2019 13:30:15 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1032

First Level Reviewer: nowakk

Date: 22-Apr-2019 09:38:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.858	4.859	-0.001	99	180974	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	87	713546	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	95	373744	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	93	240909	25.0	25.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	266173	25.0	24.3	
\$ 6 Toluene-d8 (Surr)	98	6.029	6.030	-0.001	94	901842	25.0	23.8	
\$ 7 4-Bromofluorobenzene (Surr	174	8.081	8.082	-0.001	0	276442	25.0	24.6	
11 Dichlorodifluoromethane	85	1.252	1.252	0.000	99	910864	100.0	92.8	
13 Chloromethane	50	1.408	1.418	-0.010	98	1094487	100.0	85.2	
151 Butadiene	54	1.480	1.491	-0.011	94	974291	100.0	89.1	
14 Vinyl chloride	62	1.501	1.511	-0.010	98	1034055	100.0	88.7	
15 Bromomethane	94	1.770	1.771	0.000	93	799227	100.0	81.3	
16 Chloroethane	64	1.822	1.822	0.000	98	633602	100.0	95.6	
18 Dichlorofluoromethane	67	2.060	2.061	-0.001	98	1506322	100.0	87.2	
17 Trichlorofluoromethane	101	2.071	2.071	0.000	98	1487177	100.0	83.5	
19 Ethyl ether	59	2.288	2.289	-0.001	95	711281	100.0	87.3	
21 Acrolein	56	2.475	2.475	0.000	99	663187	500.0	439.3	
20 1,1,2-Trichloro-1,2,2-trif	101	2.506	2.506	0.000	67	837955	100.0	104.9	
22 1,1-Dichloroethene	96	2.506	2.517	-0.011	98	771915	100.0	91.5	
23 Acetone	43	2.620	2.620	0.000	99	1156128	500.0	439.5	
24 Iodomethane	142	2.661	2.662	-0.001	100	1501923	100.0	93.7	
25 Carbon disulfide	76	2.703	2.714	-0.011	100	2908053	100.0	101.9	
27 3-Chloro-1-propene	41	2.838	2.838	0.000	90	1447201	100.0	93.6	
28 Methyl acetate	43	2.879	2.879	0.000	99	1223645	200.0	181.6	
30 Methylene Chloride	84	2.983	2.983	0.000	95	959725	100.0	89.1	
31 2-Methyl-2-propanol	59	3.138	3.149	-0.011	80	663198	1000.0	1100.2	
32 trans-1,2-Dichloroethene	96	3.169	3.170	-0.001	98	905902	100.0	92.2	
33 Methyl tert-butyl ether	73	3.169	3.170	-0.001	94	2214039	100.0	92.4	
34 Acrylonitrile	53	3.231	3.232	-0.001	99	3165642	1000.0	918.4	
35 Hexane	57	3.335	3.335	0.000	94	1330838	100.0	102.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.532	3.532	0.000	97	1574288	100.0	95.6	
39 Vinyl acetate	43	3.573	3.574	-0.001	97	3464209	200.0	228.0	
42 2,2-Dichloropropane	77	3.978	3.978	0.000	93	1152501	100.0	101.9	
43 cis-1,2-Dichloroethene	96	4.009	4.009	0.000	82	996399	100.0	93.3	
44 2-Butanone (MEK)	43	4.029	4.030	-0.001	99	1872449	500.0	449.2	
47 Chlorobromomethane	128	4.195	4.206	-0.011	97	529537	100.0	98.0	
48 Tetrahydrofuran	42	4.216	4.216	0.000	89	503795	200.0	180.7	
50 Chloroform	83	4.257	4.268	-0.011	94	1594475	100.0	98.4	
51 1,1,1-Trichloroethane	97	4.361	4.361	0.000	98	1313114	100.0	111.3	
52 Cyclohexane	56	4.361	4.361	0.000	93	1595838	100.0	103.4	
53 Carbon tetrachloride	117	4.465	4.465	0.000	97	980010	100.0	123.8	
54 1,1-Dichloropropene	75	4.475	4.475	0.000	94	1210862	100.0	96.2	
55 Benzene	78	4.641	4.641	0.000	98	3467772	100.0	91.8	
56 Isobutyl alcohol	43	4.651	4.651	0.000	93	704714	2500.0	3302.6	
57 1,2-Dichloroethane	62	4.693	4.693	0.000	96	1234850	100.0	89.6	
59 n-Heptane	43	4.776	4.776	0.000	95	1420038	100.0	98.1	
60 Trichloroethene	95	5.128	5.118	0.010	97	927878	100.0	96.2	
62 Methylcyclohexane	83	5.221	5.211	0.010	92	1579861	100.0	104.5	
63 1,2-Dichloropropane	63	5.314	5.315	-0.001	92	918259	100.0	99.3	
66 1,4-Dioxane	88	5.428	5.429	-0.001	42	178848	2000.0	1923.3	
65 Dibromomethane	93	5.428	5.429	-0.001	96	585037	100.0	96.9	
67 Dichlorobromomethane	83	5.542	5.543	-0.001	98	1101101	100.0	100.8	
69 2-Chloroethyl vinyl ether	63	5.750	5.750	0.000	94	598294	100.0	97.8	
71 cis-1,3-Dichloropropene	75	5.853	5.854	-0.001	93	1361999	100.0	106.8	
72 4-Methyl-2-pentanone (MIBK)	43	5.967	5.968	-0.001	98	4334988	500.0	490.3	
73 Toluene	92	6.081	6.082	-0.001	98	2289648	100.0	93.8	
75 trans-1,3-Dichloropropene	75	6.289	6.289	0.000	98	1254183	100.0	106.0	
77 Ethyl methacrylate	69	6.309	6.310	-0.001	89	1029706	100.0	117.3	
78 1,1,2-Trichloroethane	83	6.434	6.434	0.000	91	669315	100.0	92.0	
79 Tetrachloroethene	166	6.485	6.486	-0.001	95	953388	100.0	99.7	
80 1,3-Dichloropropane	76	6.558	6.558	0.000	93	1367553	100.0	95.4	
81 2-Hexanone	43	6.599	6.600	-0.001	98	2883578	500.0	506.2	
82 Chlorodibromomethane	129	6.734	6.734	0.000	91	753151	100.0	125.1	
83 Ethylene Dibromide	107	6.817	6.817	0.000	99	828248	100.0	98.5	
86 Chlorobenzene	112	7.169	7.170	-0.001	95	2535413	100.0	89.9	
88 Ethylbenzene	91	7.232	7.232	0.000	98	4232706	100.0	93.5	
89 1,1,1,2-Tetrachloroethane	131	7.242	7.242	0.000	94	796733	100.0	114.6	
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	1702508	100.0	95.0	
91 o-Xylene	106	7.646	7.646	0.000	96	1687985	100.0	97.4	
92 Styrene	104	7.667	7.667	0.000	95	2911470	100.0	98.4	
93 Bromoform	173	7.864	7.864	0.000	96	401818	100.0	140.8	
95 Isopropylbenzene	105	7.926	7.926	0.000	96	4281918	100.0	97.8	
97 Bromobenzene	156	8.206	8.206	0.000	93	1075774	100.0	93.8	
98 1,1,2,2-Tetrachloroethane	83	8.237	8.237	0.000	95	1016039	100.0	98.2	
99 N-Propylbenzene	91	8.258	8.258	0.000	99	5155964	100.0	94.3	
100 1,2,3-Trichloropropane	110	8.268	8.268	0.000	89	318118	100.0	88.7	
101 trans-1,4-Dichloro-2-buten	53	8.268	8.268	0.000	76	300028	100.0	99.4	
105 2-Chlorotoluene	126	8.351	8.341	0.010	97	1058478	100.0	92.9	
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	96	3687987	100.0	94.8	
102 4-Chlorotoluene	91	8.434	8.434	0.000	97	3081542	100.0	91.6	
106 tert-Butylbenzene	134	8.651	8.652	-0.001	93	809895	100.0	96.9	
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	97	3713555	100.0	94.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.827	8.828	-0.001	95	4812312	100.0	100.6	
111 4-Isopropyltoluene	119	8.952	8.952	0.000	97	4071432	100.0	99.7	
110 1,3-Dichlorobenzene	146	8.962	8.962	0.000	98	2095942	100.0	93.0	
113 1,4-Dichlorobenzene	146	9.035	9.035	0.000	95	2119311	100.0	93.3	
115 n-Butylbenzene	91	9.283	9.284	-0.001	98	3843960	100.0	97.4	
116 1,2-Dichlorobenzene	146	9.346	9.346	0.000	97	2090871	100.0	95.4	
117 1,2-Dibromo-3-Chloropropan	75	10.019	10.019	0.000	80	153185	100.0	116.6	
119 1,2,4-Trichlorobenzene	180	10.662	10.662	0.000	95	1523197	100.0	95.0	
120 Hexachlorobutadiene	225	10.765	10.766	-0.001	97	719267	100.0	104.4	
121 Naphthalene	128	10.869	10.869	0.000	98	3725456	100.0	98.1	
122 1,2,3-Trichlorobenzene	180	11.066	11.066	0.000	95	1462997	100.0	95.1	
S 124 1,2-Dichloroethene, Total	1				0			185.5	
S 126 Xylenes, Total	1				0			192.4	
S 125 Total BTEX	1				0			471.4	
S 123 1,3-Dichloropropene, Total	1				0			212.7	

Reagents:

8260 CORP mix_00153	Amount Added: 50.00	Units: uL	
GAS CORP mix_00336	Amount Added: 50.00	Units: uL	
T_8260_Surr_00187	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00217	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0014.D

Injection Date: 19-Apr-2019 19:57:30

Instrument ID: HP5975T

Operator ID: KN

Lims ID: IC 7

Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL

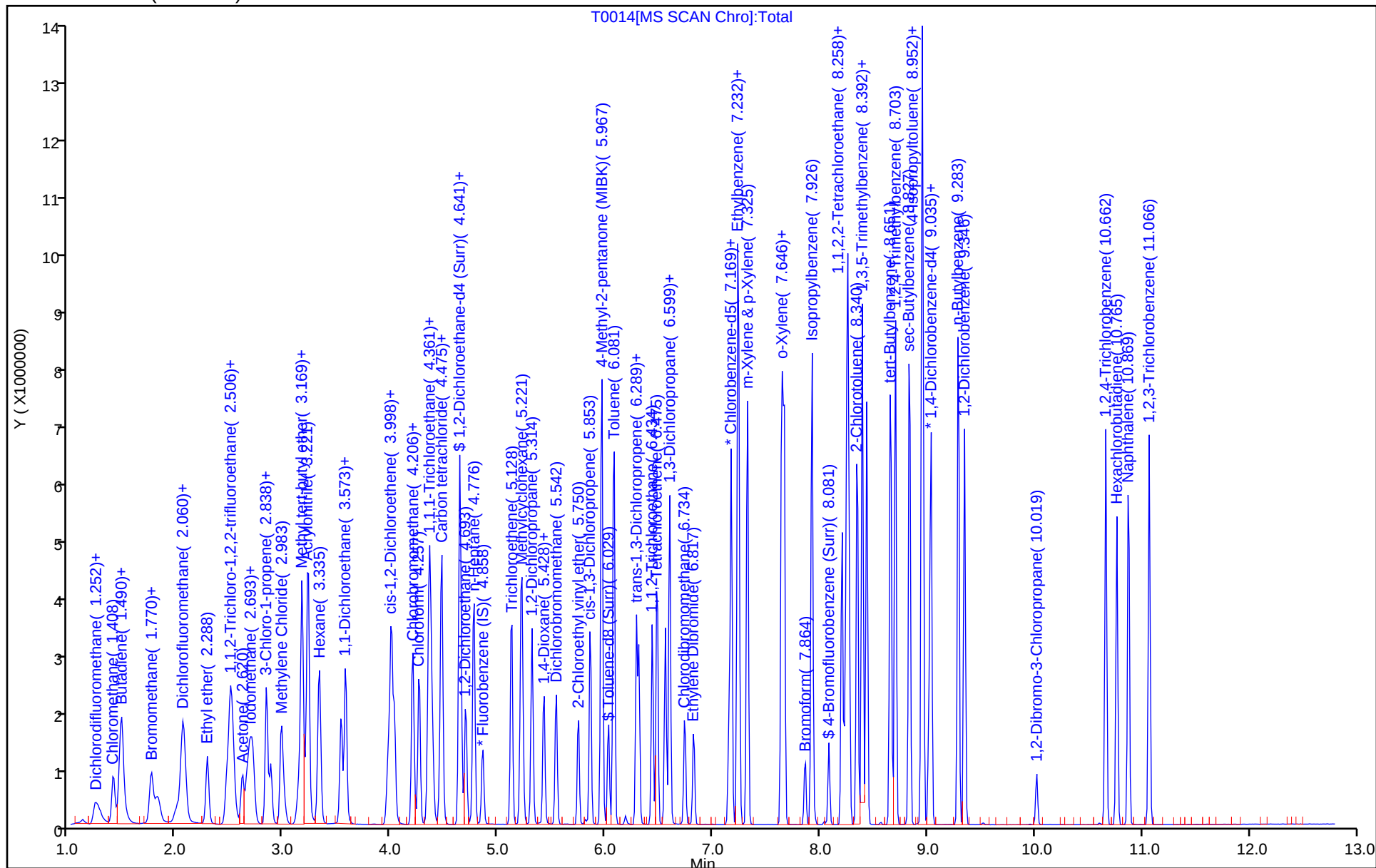
Dil. Factor: 1.0000

ALS Bottle#: 34

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1

SDG No.: _____

Lab Sample ID: CCVIS 480-472381/3 Calibration Date: 05/11/2019 11:21

Instrument ID: HP5973S Calib Start Date: 03/26/2019 14:45

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 03/26/2019 17:26

Lab File ID: S4818.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	1.480	1.331	0.1000	22.5	25.0	-10.1	50.0
Chloromethane	Ave	1.809	1.603	0.1000	22.1	25.0	-11.4	20.0
Vinyl chloride	Ave	1.691	1.567	0.1000	23.2	25.0	-7.4	20.0
Butadiene	Ave	1.657	1.622		24.5	25.0	-2.1	20.0
Bromomethane	Ave	1.171	1.011	0.1000	21.6	25.0	-13.7	50.0
Chloroethane	Ave	1.139	1.035	0.1000	22.7	25.0	-9.1	50.0
Dichlorofluoromethane	Ave	2.465	2.153		21.8	25.0	-12.6	20.0
Trichlorofluoromethane	Ave	2.184	2.001	0.1000	22.9	25.0	-8.4	20.0
Ethyl ether	Ave	1.430	1.338		23.4	25.0	-6.5	20.0
Acrolein	Ave	0.4108	0.2745		83.5	125	-33.2	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.243	1.193	0.1000	24.0	25.0	-4.0	20.0
1,1-Dichloroethene	Ave	1.261	1.090	0.1000	21.6	25.0	-13.6	20.0
Acetone	Ave	0.6672	0.6554	0.1000	123	125	-1.8	50.0
Iodomethane	Ave	2.266	1.850		20.4	25.0	-18.3	20.0
Carbon disulfide	Ave	4.203	3.637	0.1000	21.6	25.0	-13.5	20.0
Allyl chloride	Ave	2.406	1.840		19.1	25.0	-23.5*	20.0
Methyl acetate	Ave	1.628	1.339	0.1000	41.1	50.0	-17.8	50.0
Methylene Chloride	Lin1		1.355	0.1000	22.4	25.0	-10.3	20.0
2-Methyl-2-propanol	Ave	0.2522	0.1832		182	250	-27.4	50.0
Methyl tert-butyl ether	Ave	4.677	3.670	0.1000	19.6	25.0	-21.5*	20.0
trans-1,2-Dichloroethene	Ave	1.524	1.283	0.1000	21.1	25.0	-15.8	20.0
Acrylonitrile	Ave	0.8129	0.7194		221	250	-11.5	20.0
Hexane	Ave	1.916	2.098		27.4	25.0	9.5	20.0
1,1-Dichloroethane	Ave	2.698	2.340	0.2000	21.7	25.0	-13.3	20.0
Vinyl acetate	Ave	3.363	2.866		42.6	50.0	-14.8	20.0
2,2-Dichloropropane	Ave	1.351	1.221		22.6	25.0	-9.7	20.0
cis-1,2-Dichloroethene	Ave	1.690	1.403	0.1000	20.7	25.0	-17.0	20.0
2-Butanone (MEK)	Ave	0.9364	0.8667	0.1000	116	125	-7.4	20.0
Chlorobromomethane	Ave	0.8507	0.7266		21.4	25.0	-14.6	20.0
Tetrahydrofuran	Ave	0.6506	0.5378		41.3	50.0	-17.3	20.0
Chloroform	Ave	2.700	2.207	0.2000	20.4	25.0	-18.3	20.0
1,1,1-Trichloroethane	Ave	2.127	1.794	0.1000	21.1	25.0	-15.7	20.0
Cyclohexane	Ave	2.537	2.401	0.1000	23.7	25.0	-5.3	20.0
Carbon tetrachloride	Ave	1.807	1.631	0.1000	22.6	25.0	-9.7	20.0
1,1-Dichloropropene	Ave	1.978	1.752		22.1	25.0	-11.4	20.0
Benzene	Ave	5.768	5.329	0.5000	23.1	25.0	-7.6	20.0
Isobutyl alcohol	Ave	0.0907	0.0735		506	625	-19.0	50.0
1,2-Dichloroethane	Ave	2.332	1.827	0.1000	19.6	25.0	-21.7*	20.0
n-Heptane	Ave	1.892	2.107		27.8	25.0	11.4	20.0
Trichloroethene	Ave	1.476	1.300	0.2000	22.0	25.0	-11.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1

SDG No.: _____

Lab Sample ID: CCVIS 480-472381/3 Calibration Date: 05/11/2019 11:21

Instrument ID: HP5973S Calib Start Date: 03/26/2019 14:45

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 03/26/2019 17:26

Lab File ID: S4818.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	2.508	2.304	0.1000	23.0	25.0	-8.1	20.0
1,2-Dichloropropane	Ave	1.325	1.323	0.1000	24.9	25.0	-0.2	20.0
1,4-Dioxane	Ave	0.0109	0.0080		367	500	-26.5	50.0
Dibromomethane	Ave	0.9675	0.8425	0.1000	21.8	25.0	-12.9	20.0
Bromodichloromethane	Ave	1.777	1.644	0.2000	23.1	25.0	-7.5	20.0
2-Chloroethyl vinyl ether	Ave	0.9295	0.8713		23.4	25.0	-6.3	20.0
cis-1,3-Dichloropropene	Ave	2.102	2.054	0.2000	24.4	25.0	-2.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9307	0.8036	0.1000	108	125	-13.7	20.0
Toluene	Ave	1.750	1.673	0.4000	23.9	25.0	-4.4	20.0
trans-1,3-Dichloropropene	Ave	0.9482	0.9815	0.1000	25.9	25.0	3.5	20.0
Ethyl methacrylate	Ave	0.8438	0.8297		24.6	25.0	-1.7	20.0
1,1,2-Trichloroethane	Ave	0.5142	0.5112	0.1000	24.9	25.0	-0.6	20.0
Tetrachloroethene	Ave	0.7546	0.6558	0.2000	21.7	25.0	-13.1	20.0
1,3-Dichloropropane	Ave	1.067	1.072		25.1	25.0	0.4	20.0
2-Hexanone	Ave	0.5851	0.5578	0.1000	119	125	-4.7	20.0
Dibromochloromethane	Ave	0.6326	0.6256	0.1000	24.7	25.0	-1.1	20.0
1,2-Dibromoethane	Ave	0.6681	0.6160		23.1	25.0	-7.8	20.0
Chlorobenzene	Ave	1.949	1.787	0.5000	22.9	25.0	-8.3	20.0
Ethylbenzene	Ave	3.284	2.957	0.1000	22.5	25.0	-10.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7029	0.6304		22.4	25.0	-10.3	20.0
m,p-Xylene	Ave	1.317	1.183	0.1000	22.5	25.0	-10.2	20.0
o-Xylene	Ave	1.333	1.134	0.3000	21.3	25.0	-15.0	20.0
Styrene	Ave	2.072	1.868	0.3000	22.5	25.0	-9.9	20.0
Bromoform	Ave	0.4237	0.4109	0.1000	24.2	25.0	-3.0	50.0
Isopropylbenzene	Ave	3.451	3.055	0.1000	22.1	25.0	-11.5	20.0
Bromobenzene	Ave	0.8567	0.7688		22.4	25.0	-10.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9560	0.9192	0.3000	24.0	25.0	-3.8	20.0
N-Propylbenzene	Ave	4.067	3.720		22.9	25.0	-8.5	20.0
1,2,3-Trichloropropane	Ave	0.3295	0.2885		21.9	25.0	-12.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3060	0.2424		19.8	25.0	-20.8	50.0
2-Chlorotoluene	Ave	0.8478	0.7364		21.7	25.0	-13.1	20.0
1,3,5-Trimethylbenzene	Ave	3.046	2.687		22.1	25.0	-11.8	20.0
4-Chlorotoluene	Ave	0.8506	0.7623		22.4	25.0	-10.4	20.0
tert-Butylbenzene	Ave	0.6344	0.5801		22.9	25.0	-8.6	20.0
1,2,4-Trimethylbenzene	Ave	3.067	2.753		22.4	25.0	-10.2	20.0
sec-Butylbenzene	Ave	3.739	3.425		22.9	25.0	-8.4	20.0
1,3-Dichlorobenzene	Ave	1.654	1.529	0.6000	23.1	25.0	-7.5	20.0
4-Isopropyltoluene	Ave	3.406	2.985		21.9	25.0	-12.4	20.0
1,4-Dichlorobenzene	Ave	1.697	1.530	0.5000	22.5	25.0	-9.9	20.0
n-Butylbenzene	Ave	2.983	2.653		22.2	25.0	-11.0	20.0
1,2-Dichlorobenzene	Ave	1.754	1.533	0.4000	21.8	25.0	-12.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-472381/3 Calibration Date: 05/11/2019 11:21
 Instrument ID: HP5973S Calib Start Date: 03/26/2019 14:45
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 03/26/2019 17:26
 Lab File ID: S4818.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	0.2154	0.1783	0.0500	20.7	25.0	-17.2	50.0
1,2,4-Trichlorobenzene	Ave	1.345	1.073	0.2000	20.0	25.0	-20.2*	20.0
Hexachlorobutadiene	Ave	0.6362	0.5558		21.8	25.0	-12.6	20.0
Naphthalene	Ave	4.079	3.070		18.8	25.0	-24.7*	20.0
1,2,3-Trichlorobenzene	Ave	1.350	1.101		20.4	25.0	-18.5	20.0
Dibromofluoromethane (Surr)	Ave	1.363	1.223		22.4	25.0	-10.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8447	0.7764		23.0	25.0	-8.1	20.0
Toluene-d8 (Surr)	Ave	2.497	2.542		25.5	25.0	1.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7658	0.7078		23.1	25.0	-7.6	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4818.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 11-May-2019 11:21:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0081008-003
 Operator ID: AEM Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-May-2019 11:39:42 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0304

First Level Reviewer: milligana

Date: 11-May-2019 11:39:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	98	131392	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.467	8.467	0.000	83	260054	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	68	253011	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	57	160719	25.0	22.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.194	5.194	0.000	50	102016	25.0	23.0	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	81	661065	25.0	25.5	
\$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	90	184057	25.0	23.1	
10 Dichlorodifluoromethane	85	1.270	1.270	0.000	86	174833	25.0	22.5	
12 Chloromethane	50	1.446	1.446	0.000	82	210589	25.0	22.1	
13 Vinyl chloride	62	1.549	1.549	0.000	65	205845	25.0	23.2	
151 Butadiene	54	1.556	1.556	0.000	86	213065	25.0	24.5	
14 Bromomethane	94	1.841	1.841	0.000	91	132803	25.0	21.6	
15 Chloroethane	64	1.939	1.939	0.000	98	135944	25.0	22.7	
16 Dichlorofluoromethane	67	2.164	2.164	0.000	81	282892	25.0	21.8	
17 Trichlorofluoromethane	101	2.170	2.170	0.000	65	262907	25.0	22.9	
18 Ethyl ether	59	2.450	2.450	0.000	90	175803	25.0	23.4	
20 Acrolein	56	2.638	2.638	0.000	97	180332	125.0	83.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.669	2.669	0.000	60	156764	25.0	24.0	
22 1,1-Dichloroethene	96	2.675	2.675	0.000	86	143188	25.0	21.6	
23 Acetone	43	2.797	2.797	0.000	100	430548	125.0	122.8	
25 Iodomethane	142	2.833	2.833	0.000	99	243094	25.0	20.4	
26 Carbon disulfide	76	2.876	2.876	0.000	97	477917	25.0	21.6	
28 3-Chloro-1-propene	41	3.046	3.046	0.000	90	241813	25.0	19.1	
27 Methyl acetate	43	3.101	3.101	0.000	98	351846	50.0	41.1	
30 Methylene Chloride	84	3.198	3.198	0.000	91	178070	25.0	22.4	
31 2-Methyl-2-propanol	59	3.375	3.375	0.000	97	240704	250.0	181.6	
32 Methyl tert-butyl ether	73	3.411	3.411	0.000	90	482259	25.0	19.6	
34 trans-1,2-Dichloroethene	96	3.429	3.429	0.000	94	168607	25.0	21.1	
33 Acrylonitrile	53	3.490	3.490	0.000	99	945250	250.0	221.2	
35 Hexane	57	3.618	3.618	0.000	89	275636	25.0	27.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.849	3.849	0.000	85	307456	25.0	21.7	
37 Vinyl acetate	43	3.904	3.904	0.000	97	753209	50.0	42.6	
44 2,2-Dichloropropane	77	4.372	4.372	0.000	88	160431	25.0	22.6	
45 cis-1,2-Dichloroethene	96	4.409	4.409	0.000	69	184290	25.0	20.7	
43 2-Butanone (MEK)	43	4.451	4.451	0.000	94	569385	125.0	115.7	
48 Chlorobromomethane	128	4.646	4.646	0.000	98	95472	25.0	21.4	
49 Tetrahydrofuran	42	4.664	4.664	0.000	88	141326	50.0	41.3	
50 Chloroform	83	4.725	4.725	0.000	70	290017	25.0	20.4	
51 1,1,1-Trichloroethane	97	4.835	4.835	0.000	83	235692	25.0	21.1	
52 Cyclohexane	56	4.841	4.841	0.000	89	315480	25.0	23.7	
55 Carbon tetrachloride	117	4.975	4.975	0.000	79	214339	25.0	22.6	
54 1,1-Dichloropropene	75	4.987	4.987	0.000	95	230194	25.0	22.1	
57 Benzene	78	5.194	5.194	0.000	96	700183	25.0	23.1	
53 Isobutyl alcohol	43	5.218	5.218	0.000	93	241311	625.0	506.5	
58 1,2-Dichloroethane	62	5.267	5.267	0.000	73	240052	25.0	19.6	
59 n-Heptane	43	5.370	5.370	0.000	93	276871	25.0	27.8	
62 Trichloroethene	95	5.802	5.802	0.000	94	170865	25.0	22.0	
64 Methylcyclohexane	83	5.917	5.917	0.000	90	302695	25.0	23.0	
65 1,2-Dichloropropane	63	6.051	6.051	0.000	93	173790	25.0	24.9	
67 Dibromomethane	93	6.191	6.191	0.000	90	110702	25.0	21.8	
66 1,4-Dioxane	88	6.191	6.191	0.000	40	41666	500.0	367.3	
68 Dichlorobromomethane	83	6.343	6.343	0.000	93	215962	25.0	23.1	
69 2-Chloroethyl vinyl ether	63	6.623	6.623	0.000	91	114478	25.0	23.4	
72 cis-1,3-Dichloropropene	75	6.757	6.757	0.000	87	269844	25.0	24.4	
73 4-Methyl-2-pentanone (MIBK)	43	6.903	6.903	0.000	96	1044844	125.0	107.9	
74 Toluene	92	7.043	7.043	0.000	89	434995	25.0	23.9	
77 trans-1,3-Dichloropropene	75	7.329	7.329	0.000	89	255243	25.0	25.9	
75 Ethyl methacrylate	69	7.371	7.371	0.000	83	215774	25.0	24.6	
79 1,1,2-Trichloroethane	83	7.517	7.517	0.000	86	132926	25.0	24.9	
81 Tetrachloroethene	166	7.572	7.572	0.000	78	170541	25.0	21.7	
82 1,3-Dichloropropane	76	7.682	7.682	0.000	90	278650	25.0	25.1	
80 2-Hexanone	43	7.749	7.749	0.000	94	725282	125.0	119.2	
83 Chlorodibromomethane	129	7.919	7.919	0.000	88	162680	25.0	24.7	
84 Ethylene Dibromide	107	8.022	8.022	0.000	98	160200	25.0	23.1	
87 Chlorobenzene	112	8.497	8.497	0.000	92	464711	25.0	22.9	
88 Ethylbenzene	91	8.582	8.582	0.000	98	768994	25.0	22.5	
89 1,1,1,2-Tetrachloroethane	131	8.594	8.594	0.000	47	163947	25.0	22.4	
90 m-Xylene & p-Xylene	106	8.704	8.704	0.000	98	307674	25.0	22.5	
91 o-Xylene	106	9.136	9.136	0.000	97	294816	25.0	21.3	
92 Styrene	104	9.166	9.166	0.000	93	485755	25.0	22.5	
95 Bromoform	173	9.416	9.416	0.000	95	106848	25.0	24.2	
94 Isopropylbenzene	105	9.519	9.519	0.000	95	773030	25.0	22.1	
101 Bromobenzene	156	9.866	9.866	0.000	93	194511	25.0	22.4	
97 1,1,2,2-Tetrachloroethane	83	9.927	9.927	0.000	71	232579	25.0	24.0	
99 N-Propylbenzene	91	9.945	9.945	0.000	98	941089	25.0	22.9	
100 1,2,3-Trichloropropane	110	9.957	9.957	0.000	70	73004	25.0	21.9	
98 trans-1,4-Dichloro-2-buten	53	9.969	9.969	0.000	73	61337	25.0	19.8	
103 2-Chlorotoluene	126	10.048	10.048	0.000	96	186323	25.0	21.7	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	84	679925	25.0	22.1	
105 4-Chlorotoluene	126	10.158	10.158	0.000	96	192863	25.0	22.4	
106 tert-Butylbenzene	134	10.438	10.438	0.000	86	146781	25.0	22.9	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	37	696616	25.0	22.4	

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	10.644	10.644	0.000	94	866684	25.0	22.9	
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	70	386973	25.0	23.1	
110 4-Isopropyltoluene	119	10.784	10.784	0.000	96	755258	25.0	21.9	
113 1,4-Dichlorobenzene	146	10.870	10.870	0.000	93	387118	25.0	22.5	
115 n-Butylbenzene	91	11.168	11.168	0.000	95	671327	25.0	22.2	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	91	387815	25.0	21.8	
117 1,2-Dibromo-3-Chloropropan	75	11.952	11.952	0.000	75	45105	25.0	20.7	
119 1,2,4-Trichlorobenzene	180	12.622	12.622	0.000	93	271577	25.0	20.0	
120 Hexachlorobutadiene	225	12.731	12.731	0.000	96	140633	25.0	21.8	
121 Naphthalene	128	12.841	12.841	0.000	97	776681	25.0	18.8	
122 1,2,3-Trichlorobenzene	180	13.041	13.041	0.000	94	278512	25.0	20.4	

Reagents:

8260 CORP mix_00154	Amount Added: 12.50	Units: uL	
GAS CORP mix_00340	Amount Added: 12.50	Units: uL	
S_8260_IS_00318	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00315	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4818.D

Injection Date: 11-May-2019 11:21:30

Instrument ID: HP5973S

Operator ID: AEM

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

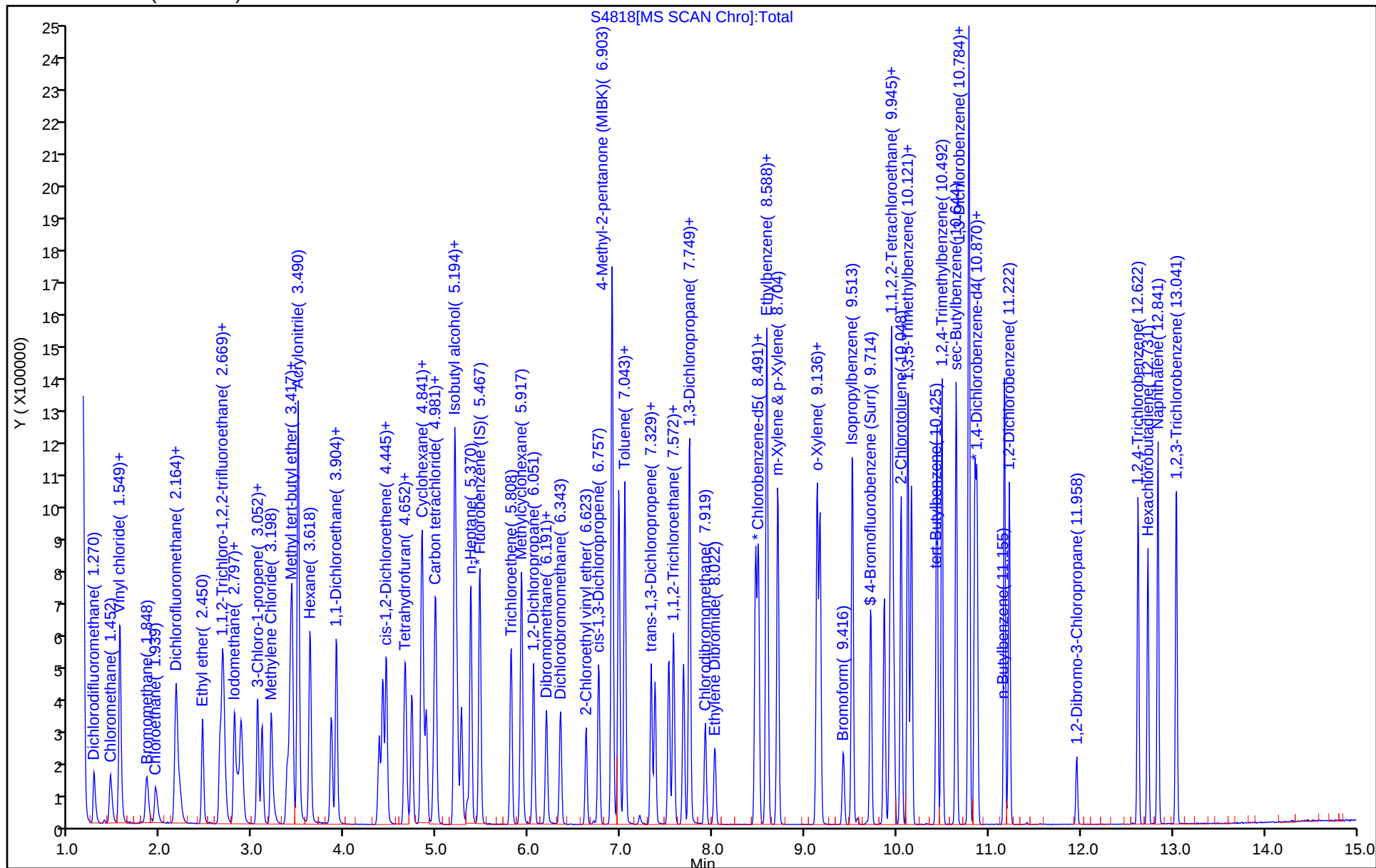
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-472454/4 Calibration Date: 05/13/2019 09:19
 Instrument ID: HP5973S Calib Start Date: 03/26/2019 14:45
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 03/26/2019 17:26
 Lab File ID: S4933.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	1.480	1.703	0.1000	28.8	25.0	15.1	50.0
Chloromethane	Ave	1.809	1.645	0.1000	22.7	25.0	-9.1	20.0
Vinyl chloride	Ave	1.691	1.602	0.1000	23.7	25.0	-5.2	20.0
Butadiene	Ave	1.657	1.636		24.7	25.0	-1.3	20.0
Bromomethane	Ave	1.171	0.9703	0.1000	20.7	25.0	-17.1	50.0
Chloroethane	Ave	1.139	0.9774	0.1000	21.5	25.0	-14.2	50.0
Dichlorofluoromethane	Ave	2.465	2.044		20.7	25.0	-17.1	20.0
Trichlorofluoromethane	Ave	2.184	2.109	0.1000	24.1	25.0	-3.5	20.0
Ethyl ether	Ave	1.430	1.161		20.3	25.0	-18.8	20.0
Acrolein	Ave	0.4108	0.2494		75.9	125	-39.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.243	1.424	0.1000	28.6	25.0	14.5	20.0
1,1-Dichloroethene	Ave	1.261	1.289	0.1000	25.6	25.0	2.3	20.0
Acetone	Ave	0.6672	0.6079	0.1000	114	125	-8.9	50.0
Iodomethane	Ave	2.266	2.108		23.3	25.0	-7.0	20.0
Carbon disulfide	Ave	4.203	4.414	0.1000	26.3	25.0	5.0	20.0
Allyl chloride	Ave	2.406	1.983		20.6	25.0	-17.6	20.0
Methyl acetate	Ave	1.628	1.220	0.1000	37.4	50.0	-25.1	50.0
Methylene Chloride	Lin1		1.514	0.1000	25.1	25.0	0.6	20.0
2-Methyl-2-propanol	Ave	0.2522	0.1775		176	250	-29.6	50.0
Methyl tert-butyl ether	Ave	4.677	3.708	0.1000	19.8	25.0	-20.7*	20.0
trans-1,2-Dichloroethene	Ave	1.524	1.451	0.1000	23.8	25.0	-4.8	20.0
Acrylonitrile	Ave	0.8129	0.6979		215	250	-14.2	20.0
Hexane	Ave	1.916	2.514		32.8	25.0	31.2*	20.0
1,1-Dichloroethane	Ave	2.698	2.592	0.2000	24.0	25.0	-3.9	20.0
Vinyl acetate	Ave	3.363	2.765		41.1	50.0	-17.8	20.0
2,2-Dichloropropane	Ave	1.351	1.267		23.4	25.0	-6.3	20.0
cis-1,2-Dichloroethene	Ave	1.690	1.587	0.1000	23.5	25.0	-6.1	20.0
2-Butanone (MEK)	Ave	0.9364	0.8031	0.1000	107	125	-14.2	20.0
Chlorobromomethane	Ave	0.8507	0.8331		24.5	25.0	-2.1	20.0
Tetrahydrofuran	Ave	0.6506	0.4906		37.7	50.0	-24.6*	20.0
Chloroform	Ave	2.700	2.466	0.2000	22.8	25.0	-8.7	20.0
1,1,1-Trichloroethane	Ave	2.127	2.003	0.1000	23.5	25.0	-5.8	20.0
Cyclohexane	Ave	2.537	2.790	0.1000	27.5	25.0	10.0	20.0
Carbon tetrachloride	Ave	1.807	1.860	0.1000	25.7	25.0	2.9	20.0
1,1-Dichloropropene	Ave	1.978	2.039		25.8	25.0	3.1	20.0
Benzene	Ave	5.768	6.140	0.5000	26.6	25.0	6.5	20.0
Isobutyl alcohol	Ave	0.0907	0.0756		521	625	-16.6	50.0
1,2-Dichloroethane	Ave	2.332	1.973	0.1000	21.1	25.0	-15.4	20.0
n-Heptane	Ave	1.892	2.227		29.4	25.0	17.7	20.0
Trichloroethene	Ave	1.476	1.497	0.2000	25.3	25.0	1.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-472454/4 Calibration Date: 05/13/2019 09:19
 Instrument ID: HP5973S Calib Start Date: 03/26/2019 14:45
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 03/26/2019 17:26
 Lab File ID: S4933.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	2.508	2.868	0.1000	28.6	25.0	14.4	20.0
1,2-Dichloropropane	Ave	1.325	1.490	0.1000	28.1	25.0	12.4	20.0
1,4-Dioxane	Ave	0.0109	0.0100		458	500	-8.5	50.0
Dibromomethane	Ave	0.9675	0.9004	0.1000	23.3	25.0	-6.9	20.0
Bromodichloromethane	Ave	1.777	1.803	0.2000	25.4	25.0	1.4	20.0
2-Chloroethyl vinyl ether	Ave	0.9295	0.9630		25.9	25.0	3.6	20.0
cis-1,3-Dichloropropene	Ave	2.102	2.332	0.2000	27.7	25.0	10.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9307	0.7803	0.1000	105	125	-16.2	20.0
Toluene	Ave	1.750	1.930	0.4000	27.6	25.0	10.3	20.0
trans-1,3-Dichloropropene	Ave	0.9482	1.061	0.1000	28.0	25.0	11.9	20.0
Ethyl methacrylate	Ave	0.8438	0.9426		27.9	25.0	11.7	20.0
1,1,2-Trichloroethane	Ave	0.5142	0.5710	0.1000	27.8	25.0	11.1	20.0
Tetrachloroethene	Ave	0.7546	0.7729	0.2000	25.6	25.0	2.4	20.0
1,3-Dichloropropane	Ave	1.067	1.175		27.5	25.0	10.1	20.0
2-Hexanone	Ave	0.5851	0.5914	0.1000	126	125	1.1	20.0
Dibromochloromethane	Ave	0.6326	0.7010	0.1000	27.7	25.0	10.8	20.0
1,2-Dibromoethane	Ave	0.6681	0.6649		24.9	25.0	-0.5	20.0
Chlorobenzene	Ave	1.949	2.043	0.5000	26.2	25.0	4.9	20.0
Ethylbenzene	Ave	3.284	3.410	0.1000	26.0	25.0	3.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7029	0.6781		24.1	25.0	-3.5	20.0
m,p-Xylene	Ave	1.317	1.357	0.1000	25.8	25.0	3.0	20.0
o-Xylene	Ave	1.333	1.299	0.3000	24.4	25.0	-2.5	20.0
Styrene	Ave	2.072	2.215	0.3000	26.7	25.0	6.9	20.0
Bromoform	Ave	0.4237	0.4594	0.1000	27.1	25.0	8.4	50.0
Isopropylbenzene	Ave	3.451	3.661	0.1000	26.5	25.0	6.1	20.0
Bromobenzene	Ave	0.8567	0.8705		25.4	25.0	1.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9560	0.9927	0.3000	26.0	25.0	3.8	20.0
N-Propylbenzene	Ave	4.067	4.469		27.5	25.0	9.9	20.0
1,2,3-Trichloropropane	Ave	0.3295	0.3191		24.2	25.0	-3.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3060	0.2872		23.5	25.0	-6.1	50.0
2-Chlorotoluene	Ave	0.8478	0.8543		25.2	25.0	0.8	20.0
1,3,5-Trimethylbenzene	Ave	3.046	3.215		26.4	25.0	5.5	20.0
4-Chlorotoluene	Ave	0.8506	0.9197		27.0	25.0	8.1	20.0
tert-Butylbenzene	Ave	0.6344	0.6973		27.5	25.0	9.9	20.0
1,2,4-Trimethylbenzene	Ave	3.067	3.297		26.9	25.0	7.5	20.0
sec-Butylbenzene	Ave	3.739	4.183		28.0	25.0	11.9	20.0
1,3-Dichlorobenzene	Ave	1.654	1.782	0.6000	26.9	25.0	7.8	20.0
4-Isopropyltoluene	Ave	3.406	3.609		26.5	25.0	6.0	20.0
1,4-Dichlorobenzene	Ave	1.697	1.820	0.5000	26.8	25.0	7.2	20.0
n-Butylbenzene	Ave	2.983	3.329		27.9	25.0	11.6	20.0
1,2-Dichlorobenzene	Ave	1.754	1.788	0.4000	25.5	25.0	1.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-472454/4 Calibration Date: 05/13/2019 09:19
 Instrument ID: HP5973S Calib Start Date: 03/26/2019 14:45
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 03/26/2019 17:26
 Lab File ID: S4933.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	0.2154	0.1966	0.0500	22.8	25.0	-8.7	50.0
1,2,4-Trichlorobenzene	Ave	1.345	1.257	0.2000	23.4	25.0	-6.5	20.0
Hexachlorobutadiene	Ave	0.6362	0.6771		26.6	25.0	6.4	20.0
Naphthalene	Ave	4.079	3.615		22.2	25.0	-11.4	20.0
1,2,3-Trichlorobenzene	Ave	1.350	1.309		24.2	25.0	-3.0	20.0
Dibromofluoromethane (Surr)	Ave	1.363	1.245		22.8	25.0	-8.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8447	0.7707		22.8	25.0	-8.8	20.0
Toluene-d8 (Surr)	Ave	2.497	2.611		26.1	25.0	4.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7658	0.7171		23.4	25.0	-6.4	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4933.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 13-May-2019 09:19:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0081028-004
 Operator ID: AM Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 13-May-2019 19:06:28 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: moffata

Date: 13-May-2019 09:41:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	103355	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	85	206617	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	59	196346	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.889	4.889	0.000	55	128664	25.0	22.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.193	0.000	46	79655	25.0	22.8	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	88	539444	25.0	26.1	
\$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	89	148161	25.0	23.4	
10 Dichlorodifluoromethane	85	1.276	1.276	0.000	86	176033	25.0	28.8	
12 Chloromethane	50	1.452	1.452	0.000	89	170027	25.0	22.7	
13 Vinyl chloride	62	1.549	1.549	0.000	83	165624	25.0	23.7	
151 Butadiene	54	1.555	1.555	0.000	87	169087	25.0	24.7	
14 Bromomethane	94	1.841	1.841	0.000	89	100286	25.0	20.7	
15 Chloroethane	64	1.951	1.951	0.000	94	101017	25.0	21.5	
16 Dichlorofluoromethane	67	2.170	2.170	0.000	81	211280	25.0	20.7	
17 Trichlorofluoromethane	101	2.170	2.170	0.000	65	217936	25.0	24.1	
18 Ethyl ether	59	2.456	2.456	0.000	89	120041	25.0	20.3	
20 Acrolein	56	2.644	2.644	0.000	95	128856	125.0	75.9	
21 1,1,2-Trichloro-1,2,2-trif	101	2.675	2.675	0.000	66	147156	25.0	28.6	
22 1,1-Dichloroethene	96	2.675	2.675	0.000	89	133251	25.0	25.6	
23 Acetone	43	2.803	2.803	0.000	98	314131	125.0	113.9	
25 Iodomethane	142	2.863	2.863	0.000	65	217832	25.0	23.3	
26 Carbon disulfide	76	2.888	2.888	0.000	97	456200	25.0	26.3	
28 3-Chloro-1-propene	41	3.052	3.052	0.000	91	204947	25.0	20.6	
27 Methyl acetate	43	3.101	3.101	0.000	94	252114	50.0	37.4	
30 Methylene Chloride	84	3.204	3.204	0.000	87	156529	25.0	25.1	
31 2-Methyl-2-propanol	59	3.374	3.374	0.000	97	183413	250.0	175.9	
32 Methyl tert-butyl ether	73	3.411	3.411	0.000	90	383200	25.0	19.8	
34 trans-1,2-Dichloroethene	96	3.429	3.429	0.000	95	149917	25.0	23.8	
33 Acrylonitrile	53	3.490	3.490	0.000	100	721309	250.0	214.6	
35 Hexane	57	3.624	3.624	0.000	87	259883	25.0	32.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.855	3.855	0.000	85	267899	25.0	24.0	
37 Vinyl acetate	43	3.910	3.910	0.000	97	571602	50.0	41.1	
44 2,2-Dichloropropane	77	4.372	4.372	0.000	90	130912	25.0	23.4	
45 cis-1,2-Dichloroethene	96	4.415	4.415	0.000	65	164048	25.0	23.5	
43 2-Butanone (MEK)	43	4.451	4.451	0.000	93	415033	125.0	107.2	
48 Chlorobromomethane	128	4.646	4.646	0.000	95	86102	25.0	24.5	
49 Tetrahydrofuran	42	4.664	4.664	0.000	83	101415	50.0	37.7	
50 Chloroform	83	4.731	4.731	0.000	69	254866	25.0	22.8	
51 1,1,1-Trichloroethane	97	4.835	4.835	0.000	85	207058	25.0	23.5	
52 Cyclohexane	56	4.841	4.841	0.000	88	288380	25.0	27.5	
55 Carbon tetrachloride	117	4.974	4.974	0.000	80	192207	25.0	25.7	
54 1,1-Dichloropropene	75	4.987	4.987	0.000	96	210789	25.0	25.8	
57 Benzene	78	5.193	5.193	0.000	96	634621	25.0	26.6	
53 Isobutyl alcohol	43	5.218	5.218	0.000	92	195288	625.0	521.1	
58 1,2-Dichloroethane	62	5.266	5.266	0.000	79	203931	25.0	21.1	
59 n-Heptane	43	5.370	5.370	0.000	88	230147	25.0	29.4	
62 Trichloroethene	95	5.808	5.808	0.000	93	154720	25.0	25.3	
64 Methylcyclohexane	83	5.924	5.924	0.000	88	296400	25.0	28.6	
65 1,2-Dichloropropane	63	6.051	6.051	0.000	95	153976	25.0	28.1	
67 Dibromomethane	93	6.191	6.191	0.000	90	93065	25.0	23.3	
66 1,4-Dioxane	88	6.191	6.191	0.000	44	41255	500.0	457.7	M
68 Dichlorobromomethane	83	6.343	6.343	0.000	92	186304	25.0	25.4	
69 2-Chloroethyl vinyl ether	63	6.623	6.623	0.000	91	99529	25.0	25.9	
72 cis-1,3-Dichloropropene	75	6.757	6.757	0.000	88	241039	25.0	27.7	
73 4-Methyl-2-pentanone (MIBK)	43	6.903	6.903	0.000	94	806094	125.0	104.8	
74 Toluene	92	7.043	7.043	0.000	90	398793	25.0	27.6	
77 trans-1,3-Dichloropropene	75	7.329	7.329	0.000	88	219245	25.0	28.0	
75 Ethyl methacrylate	69	7.371	7.371	0.000	80	194752	25.0	27.9	
79 1,1,2-Trichloroethane	83	7.517	7.517	0.000	90	117977	25.0	27.8	
81 Tetrachloroethene	166	7.572	7.572	0.000	79	159703	25.0	25.6	
82 1,3-Dichloropropane	76	7.682	7.682	0.000	89	242716	25.0	27.5	
80 2-Hexanone	43	7.749	7.749	0.000	92	611005	125.0	126.4	
83 Chlorodibromomethane	129	7.919	7.919	0.000	87	144828	25.0	27.7	
84 Ethylene Dibromide	107	8.022	8.022	0.000	98	137378	25.0	24.9	
87 Chlorobenzene	112	8.497	8.497	0.000	93	422156	25.0	26.2	
88 Ethylbenzene	91	8.582	8.582	0.000	98	704578	25.0	26.0	
89 1,1,1,2-Tetrachloroethane	131	8.594	8.594	0.000	45	140103	25.0	24.1	
90 m-Xylene & p-Xylene	106	8.704	8.704	0.000	98	280382	25.0	25.8	
91 o-Xylene	106	9.136	9.136	0.000	96	268489	25.0	24.4	
92 Styrene	104	9.166	9.166	0.000	92	457616	25.0	26.7	
95 Bromoform	173	9.422	9.422	0.000	94	94916	25.0	27.1	
94 Isopropylbenzene	105	9.519	9.519	0.000	95	718777	25.0	26.5	
101 Bromobenzene	156	9.866	9.866	0.000	93	170921	25.0	25.4	
97 1,1,2,2-Tetrachloroethane	83	9.926	9.926	0.000	71	194904	25.0	26.0	
99 N-Propylbenzene	91	9.945	9.945	0.000	98	877436	25.0	27.5	
100 1,2,3-Trichloropropane	110	9.957	9.957	0.000	63	62652	25.0	24.2	
98 trans-1,4-Dichloro-2-buten	53	9.975	9.975	0.000	65	56395	25.0	23.5	
103 2-Chlorotoluene	126	10.048	10.048	0.000	96	167744	25.0	25.2	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	85	631279	25.0	26.4	
105 4-Chlorotoluene	126	10.164	10.164	0.000	95	180573	25.0	27.0	
106 tert-Butylbenzene	134	10.438	10.438	0.000	90	136908	25.0	27.5	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	36	647384	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	10.644	10.644	0.000	94	821402	25.0	28.0	
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	69	349984	25.0	26.9	
110 4-Isopropyltoluene	119	10.784	10.784	0.000	96	708656	25.0	26.5	
113 1,4-Dichlorobenzene	146	10.869	10.869	0.000	94	357340	25.0	26.8	
115 n-Butylbenzene	91	11.168	11.168	0.000	95	653731	25.0	27.9	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	92	351077	25.0	25.5	
117 1,2-Dibromo-3-Chloropropan	75	11.952	11.952	0.000	73	38606	25.0	22.8	
119 1,2,4-Trichlorobenzene	180	12.622	12.622	0.000	94	246781	25.0	23.4	
120 Hexachlorobutadiene	225	12.731	12.731	0.000	93	132951	25.0	26.6	
121 Naphthalene	128	12.841	12.841	0.000	97	709776	25.0	22.2	
122 1,2,3-Trichlorobenzene	180	13.041	13.041	0.000	96	257054	25.0	24.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00154	Amount Added: 12.50	Units: uL	
GAS CORP mix_00340	Amount Added: 12.50	Units: uL	
S_8260_IS_00319	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00315	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4933.D

Injection Date: 13-May-2019 09:19:30

Instrument ID: HP5973S

Operator ID: AM

Lims ID: CCVIS

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

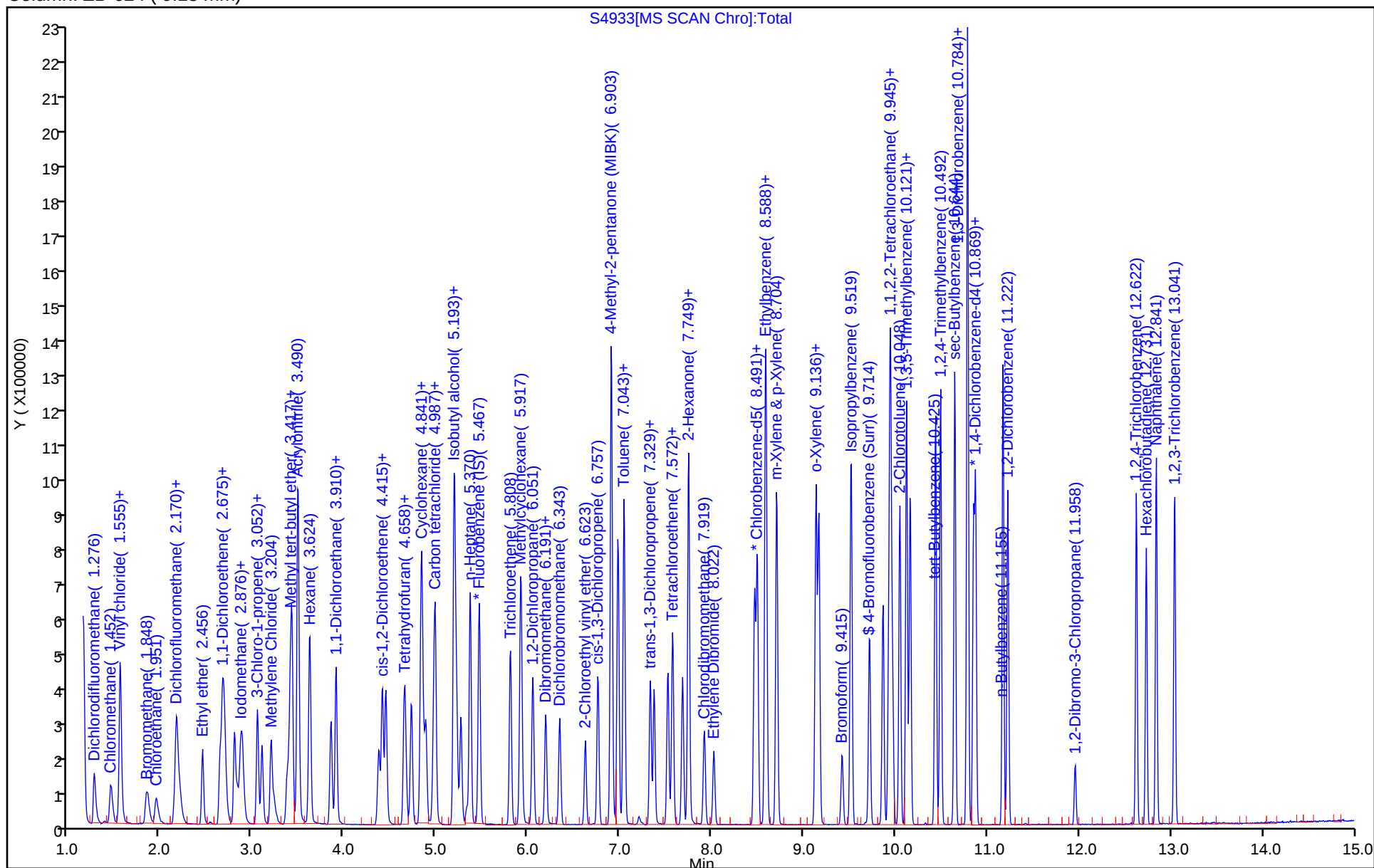
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

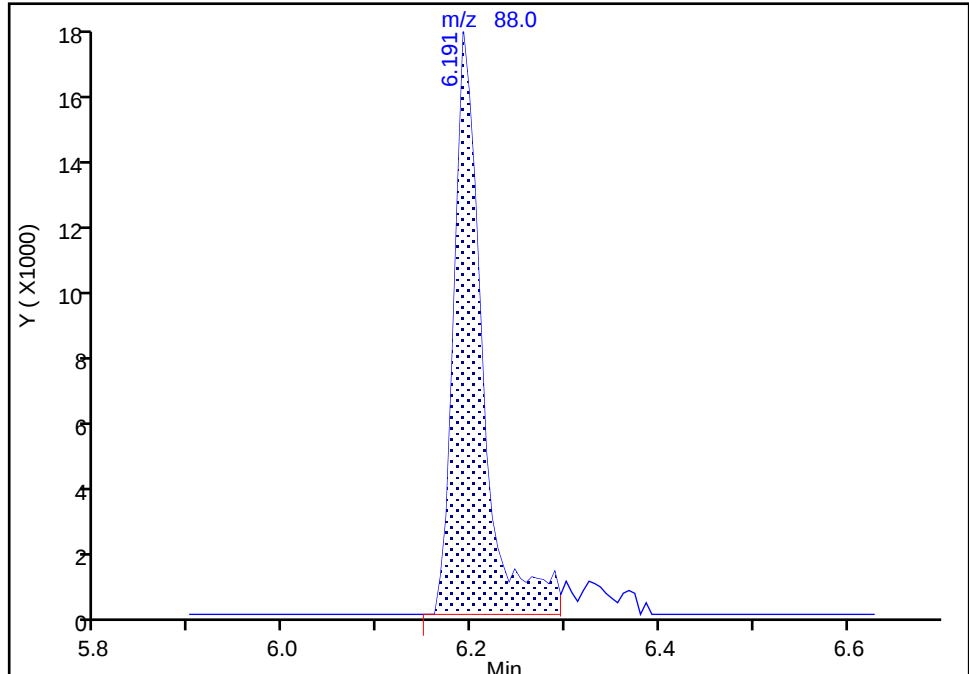
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Injection Date: 13-May-2019 09:19:30 Instrument ID: HP5973S
Lims ID: CCVIS
Client ID:
Operator ID: AM ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

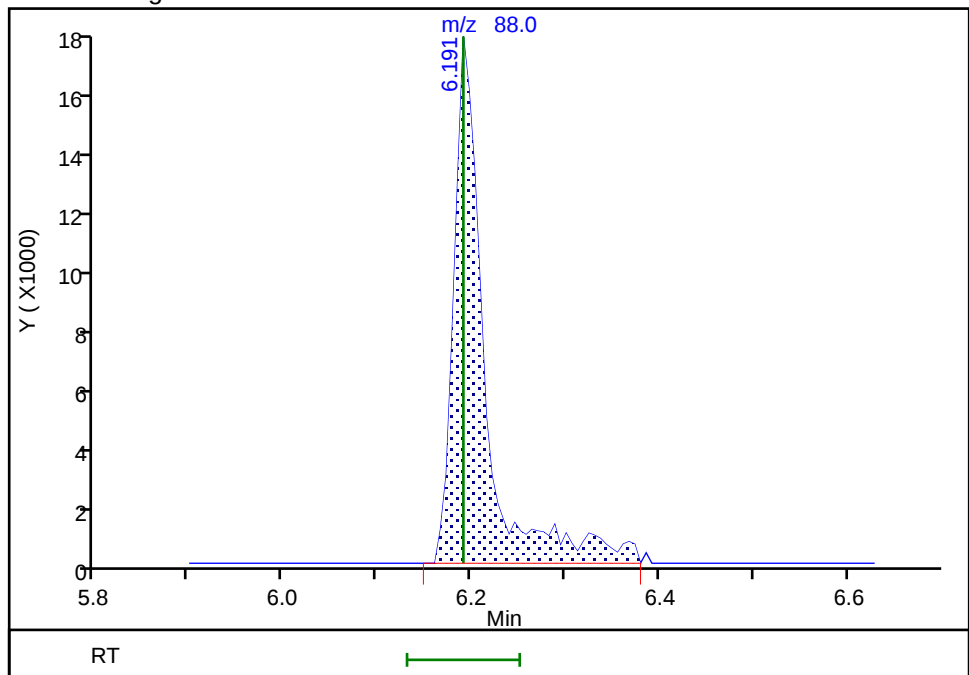
RT: 6.19
Area: 37902
Amount: 420.5054
Amount Units: ug/L

Processing Integration Results



RT: 6.19
Area: 41255
Amount: 457.7054
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 13-May-2019 09:41:46
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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05/17/2019

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-472168/3 Calibration Date: 05/09/2019 21:09
 Instrument ID: HP5975T Calib Start Date: 04/19/2019 17:06
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 04/19/2019 19:57
 Lab File ID: T0725.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	1.356	1.350	0.1000	24.9	25.0	-0.5	50.0
Chloromethane	Ave	1.775	1.881	0.1000	26.5	25.0	5.9	20.0
Butadiene	Ave	1.511	1.617		26.7	25.0	7.0	20.0
Vinyl chloride	Ave	1.611	1.556	0.1000	24.1	25.0	-3.4	20.0
Bromomethane	Ave	1.358	1.408	0.1000	25.9	25.0	3.7	50.0
Chloroethane	Lin1		1.075	0.1000	28.9	25.0	15.5	50.0
Dichlorofluoromethane	Ave	2.385	2.533		26.5	25.0	6.2	20.0
Trichlorofluoromethane	Ave	2.461	2.344	0.1000	23.8	25.0	-4.8	20.0
Ethyl ether	Ave	1.125	0.9653		21.4	25.0	-14.2	20.0
Acrolein	Ave	0.2085	0.1612		96.6	125	-22.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.103	1.146	0.1000	26.0	25.0	3.9	20.0
1,1-Dichloroethene	Ave	1.165	1.063	0.1000	22.8	25.0	-8.7	20.0
Acetone	Ave	0.3634	0.4079	0.1000	140	125	12.2	50.0
Iodomethane	Ave	2.214	2.062		23.3	25.0	-6.9	20.0
Carbon disulfide	Ave	3.942	3.913	0.1000	24.8	25.0	-0.7	20.0
Allyl chloride	Ave	2.136	2.067		24.2	25.0	-3.2	20.0
Methyl acetate	Ave	0.9310	0.8327	0.1000	44.7	50.0	-10.6	50.0
Methylene Chloride	Ave	1.489	1.339	0.1000	22.5	25.0	-10.0	20.0
2-Methyl-2-propanol	Ave	0.0833	0.0831		249	250	-0.2	50.0
Methyl tert-butyl ether	Ave	3.309	3.014	0.1000	22.8	25.0	-8.9	20.0
trans-1,2-Dichloroethene	Ave	1.358	1.207	0.1000	22.2	25.0	-11.1	20.0
Acrylonitrile	Ave	0.4762	0.4155		218	250	-12.7	20.0
Hexane	Ave	1.801	2.081		28.9	25.0	15.6	20.0
1,1-Dichloroethane	Ave	2.274	2.424	0.2000	26.6	25.0	6.6	20.0
Vinyl acetate	Ave	2.099	2.294		54.6	50.0	9.3	20.0
2,2-Dichloropropane	Ave	1.562	1.527		24.4	25.0	-2.2	20.0
cis-1,2-Dichloroethene	Ave	1.475	1.435	0.1000	24.3	25.0	-2.7	20.0
2-Butanone (MEK)	Ave	0.5759	0.5635	0.1000	122	125	-2.2	20.0
Chlorobromomethane	Ave	0.7466	0.7259		24.3	25.0	-2.8	20.0
Tetrahydrofuran	Ave	0.3852	0.3520		45.7	50.0	-8.6	20.0
Chloroform	Lin1		2.421	0.2000	26.8	25.0	7.2	20.0
1,1,1-Trichloroethane	Ave	1.630	1.791	0.1000	27.5	25.0	9.9	20.0
Cyclohexane	Ave	2.132	2.458	0.1000	28.8	25.0	15.3	20.0
1,1-Dichloropropene	Ave	1.739	1.891		27.2	25.0	8.8	20.0
Carbon tetrachloride	Ave	1.094	1.311	0.1000	30.0	25.0	19.8	20.0
Benzene	Ave	5.218	5.258	0.5000	25.2	25.0	0.8	20.0
Isobutyl alcohol	Ave	0.0295	0.0320		678	625	8.4	50.0
1,2-Dichloroethane	Ave	1.904	1.910	0.1000	25.1	25.0	0.3	20.0
n-Heptane	Ave	1.999	2.469		30.9	25.0	23.5*	20.0
Trichloroethene	Ave	1.333	1.324	0.2000	24.8	25.0	-0.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-472168/3 Calibration Date: 05/09/2019 21:09
 Instrument ID: HP5975T Calib Start Date: 04/19/2019 17:06
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 04/19/2019 19:57
 Lab File ID: T0725.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	2.089	2.273	0.1000	27.2	25.0	8.8	20.0
1,2-Dichloropropane	Ave	1.277	1.375	0.1000	26.9	25.0	7.7	20.0
1,4-Dioxane	Lin1		0.0030		470	500	-6.1	50.0
Dibromomethane	Ave	0.8344	0.8537	0.1000	25.6	25.0	2.3	20.0
Bromodichloromethane	Ave	1.509	1.587	0.2000	26.3	25.0	5.2	20.0
2-Chloroethyl vinyl ether	Ave	0.8452	0.8489		25.1	25.0	0.4	20.0
cis-1,3-Dichloropropene	Ave	1.762	1.926	0.2000	27.3	25.0	9.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3098	0.3058	0.1000	123	125	-1.3	20.0
Toluene	Ave	0.8556	0.8297	0.4000	24.2	25.0	-3.0	20.0
trans-1,3-Dichloropropene	Ave	0.4146	0.3818	0.1000	23.0	25.0	-7.9	20.0
Ethyl methacrylate	Ave	0.3076	0.3337		27.1	25.0	8.5	20.0
1,1,2-Trichloroethane	Ave	0.2549	0.2389	0.1000	23.4	25.0	-6.3	20.0
Tetrachloroethene	Ave	0.3352	0.3872	0.2000	28.9	25.0	15.5	20.0
1,3-Dichloropropane	Ave	0.5020	0.4632		23.1	25.0	-7.7	20.0
2-Hexanone	Ave	0.1996	0.2237	0.1000	140	125	12.1	20.0
Dibromochloromethane	Ave	0.2109	0.2653	0.1000	31.4	25.0	25.8*	20.0
1,2-Dibromoethane	Ave	0.2947	0.2745		23.3	25.0	-6.9	20.0
Chlorobenzene	Ave	0.9881	0.9397	0.5000	23.8	25.0	-4.9	20.0
Ethylbenzene	Ave	1.587	1.608	0.1000	25.3	25.0	1.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2435	0.2601		26.7	25.0	6.8	20.0
m,p-Xylene	Ave	0.6281	0.6344	0.1000	25.2	25.0	1.0	20.0
o-Xylene	Ave	0.6071	0.6158	0.3000	25.4	25.0	1.4	20.0
Styrene	Ave	1.036	1.033	0.3000	24.9	25.0	-0.3	20.0
Bromoform	Ave	0.1000	0.1283	0.1000	32.1	25.0	28.3	50.0
Isopropylbenzene	Ave	2.930	2.799	0.1000	23.9	25.0	-4.5	20.0
Bromobenzene	Ave	0.7670	0.7519		24.5	25.0	-2.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6924	0.6121	0.3000	22.1	25.0	-11.6	20.0
N-Propylbenzene	Ave	3.657	3.504		24.0	25.0	-4.2	20.0
1,2,3-Trichloropropane	Ave	0.2400	0.1876		19.5	25.0	-21.8*	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2019	0.1377		17.1	25.0	-31.8	50.0
2-Chlorotoluene	Ave	0.7623	0.7237		23.7	25.0	-5.1	20.0
1,3,5-Trimethylbenzene	Ave	2.601	2.403		23.1	25.0	-7.6	20.0
4-Chlorotoluene	Ave	2.250	2.119		23.5	25.0	-5.8	20.0
tert-Butylbenzene	Ave	0.5590	0.5487		24.5	25.0	-1.8	20.0
1,2,4-Trimethylbenzene	Ave	2.627	2.489		23.7	25.0	-5.2	20.0
sec-Butylbenzene	Ave	3.201	3.195		25.0	25.0	-0.2	20.0
4-Isopropyltoluene	Ave	2.732	2.734		25.0	25.0	0.1	20.0
1,3-Dichlorobenzene	Ave	1.507	1.443	0.6000	23.9	25.0	-4.2	20.0
1,4-Dichlorobenzene	Ave	1.519	1.481	0.5000	24.4	25.0	-2.5	20.0
n-Butylbenzene	Ave	2.640	2.580		24.4	25.0	-2.3	20.0
1,2-Dichlorobenzene	Ave	1.465	1.415	0.4000	24.1	25.0	-3.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-472168/3 Calibration Date: 05/09/2019 21:09
 Instrument ID: HP5975T Calib Start Date: 04/19/2019 17:06
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 04/19/2019 19:57
 Lab File ID: T0725.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	0.0879	0.0827	0.0500	23.5	25.0	-5.9	50.0
1,2,4-Trichlorobenzene	Ave	1.073	1.061	0.2000	24.7	25.0	-1.1	20.0
Hexachlorobutadiene	Ave	0.4609	0.5065		27.5	25.0	9.9	20.0
Naphthalene	Ave	2.540	2.140		21.1	25.0	-15.7	20.0
1,2,3-Trichlorobenzene	Ave	1.029	0.9663		23.5	25.0	-6.1	20.0
Dibromofluoromethane (Surr)	Ave	1.299	1.346		25.9	25.0	3.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.510	1.728		28.6	25.0	14.5	20.0
Toluene-d8 (Surr)	Ave	1.328	1.319		24.8	25.0	-0.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3945	0.4164		26.4	25.0	5.6	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0725.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 09-May-2019 21:09:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0080959-003
 Operator ID: AEM Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-May-2019 13:59:44 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0302

First Level Reviewer: milligana

Date: 09-May-2019 22:33:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.858	4.858	0.000	98	110049	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	87	438706	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	95	241801	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	92	148175	25.0	25.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	190213	25.0	28.6	
\$ 6 Toluene-d8 (Surr)	98	6.029	6.029	0.000	95	578681	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr	174	8.081	8.081	0.000	0	182683	25.0	26.4	
11 Dichlorodifluoromethane	85	1.273	1.273	0.000	98	148549	25.0	24.9	
13 Chloromethane	50	1.428	1.428	0.000	99	206965	25.0	26.5	
151 Butadiene	54	1.501	1.501	0.000	92	177914	25.0	26.7	
14 Vinyl chloride	62	1.511	1.511	0.000	97	171188	25.0	24.1	
15 Bromomethane	94	1.781	1.781	0.000	94	154981	25.0	25.9	
16 Chloroethane	64	1.832	1.832	0.000	97	118281	25.0	28.9	
18 Dichlorofluoromethane	67	2.071	2.071	0.000	94	278734	25.0	26.5	
17 Trichlorofluoromethane	101	2.071	2.071	0.000	64	257910	25.0	23.8	
19 Ethyl ether	59	2.299	2.299	0.000	92	106234	25.0	21.4	
21 Acrolein	56	2.475	2.475	0.000	97	88672	125.0	96.6	
22 1,1-Dichloroethene	96	2.506	2.506	0.000	95	117023	25.0	22.8	
20 1,1,2-Trichloro-1,2,2-trif	101	2.506	2.506	0.000	58	126140	25.0	26.0	
23 Acetone	43	2.620	2.620	0.000	97	224427	125.0	140.3	
24 Iodomethane	142	2.662	2.662	0.000	100	226923	25.0	23.3	
25 Carbon disulfide	76	2.693	2.693	0.000	99	430671	25.0	24.8	
27 3-Chloro-1-propene	41	2.848	2.848	0.000	86	227463	25.0	24.2	
28 Methyl acetate	43	2.879	2.879	0.000	99	183274	50.0	44.7	
30 Methylene Chloride	84	2.983	2.983	0.000	97	147388	25.0	22.5	
31 2-Methyl-2-propanol	59	3.149	3.149	0.000	60	91458	250.0	249.5	
33 Methyl tert-butyl ether	73	3.169	3.169	0.000	93	331742	25.0	22.8	
32 trans-1,2-Dichloroethene	96	3.180	3.180	0.000	94	132851	25.0	22.2	
34 Acrylonitrile	53	3.231	3.231	0.000	100	457211	250.0	218.1	
35 Hexane	57	3.335	3.335	0.000	94	229018	25.0	28.9	

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	3.542	3.542	0.000	97	266747	25.0	26.6	
39 Vinyl acetate	43	3.584	3.584	0.000	98	504844	50.0	54.6	
42 2,2-Dichloropropane	77	3.988	3.988	0.000	81	168027	25.0	24.4	
43 cis-1,2-Dichloroethene	96	4.009	4.009	0.000	85	157968	25.0	24.3	
44 2-Butanone (MEK)	43	4.029	4.029	0.000	98	310038	125.0	122.3	
47 Chlorobromomethane	128	4.206	4.206	0.000	94	79879	25.0	24.3	
48 Tetrahydrofuran	42	4.216	4.216	0.000	91	77473	50.0	45.7	
50 Chloroform	83	4.268	4.268	0.000	96	266479	25.0	26.8	
51 1,1,1-Trichloroethane	97	4.361	4.361	0.000	94	197110	25.0	27.5	
52 Cyclohexane	56	4.371	4.371	0.000	96	270447	25.0	28.8	
53 Carbon tetrachloride	117	4.475	4.475	0.000	62	144250	25.0	30.0	
54 1,1-Dichloropropene	75	4.475	4.475	0.000	90	208133	25.0	27.2	
55 Benzene	78	4.641	4.641	0.000	96	578632	25.0	25.2	
56 Isobutyl alcohol	43	4.651	4.651	0.000	82	87919	625.0	677.6	
57 1,2-Dichloroethane	62	4.703	4.703	0.000	96	210217	25.0	25.1	
59 n-Heptane	43	4.776	4.776	0.000	95	271731	25.0	30.9	
60 Trichloroethene	95	5.128	5.128	0.000	95	145741	25.0	24.8	
62 Methylcyclohexane	83	5.221	5.221	0.000	95	250088	25.0	27.2	
63 1,2-Dichloropropane	63	5.314	5.314	0.000	90	151366	25.0	26.9	
66 1,4-Dioxane	88	5.428	5.428	0.000	43	26624	500.0	469.5	
65 Dibromomethane	93	5.428	5.428	0.000	95	93944	25.0	25.6	
67 Dichlorobromomethane	83	5.542	5.542	0.000	97	174675	25.0	26.3	
69 2-Chloroethyl vinyl ether	63	5.750	5.750	0.000	93	93425	25.0	25.1	
71 cis-1,3-Dichloropropene	75	5.853	5.853	0.000	90	211984	25.0	27.3	
72 4-Methyl-2-pentanone (MIBK)	43	5.967	5.967	0.000	99	670767	125.0	123.4	
73 Toluene	92	6.081	6.081	0.000	97	363971	25.0	24.2	
75 trans-1,3-Dichloropropene	75	6.289	6.289	0.000	96	167506	25.0	23.0	
77 Ethyl methacrylate	69	6.309	6.309	0.000	93	146389	25.0	27.1	
78 1,1,2-Trichloroethane	83	6.434	6.434	0.000	92	104814	25.0	23.4	
79 Tetrachloroethene	166	6.485	6.485	0.000	94	169858	25.0	28.9	
80 1,3-Dichloropropane	76	6.558	6.558	0.000	94	203203	25.0	23.1	
81 2-Hexanone	43	6.599	6.599	0.000	99	490596	125.0	140.1	
82 Chlorodibromomethane	129	6.734	6.734	0.000	88	116369	25.0	31.4	
83 Ethylene Dibromide	107	6.817	6.817	0.000	96	120410	25.0	23.3	
86 Chlorobenzene	112	7.169	7.169	0.000	93	412255	25.0	23.8	
88 Ethylbenzene	91	7.232	7.232	0.000	99	705257	25.0	25.3	
89 1,1,1,2-Tetrachloroethane	131	7.242	7.242	0.000	86	114117	25.0	26.7	
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	278319	25.0	25.2	
91 o-Xylene	106	7.646	7.646	0.000	97	270160	25.0	25.4	
92 Styrene	104	7.667	7.667	0.000	95	453328	25.0	24.9	
93 Bromoform	173	7.864	7.864	0.000	92	56288	25.0	32.1	
95 Isopropylbenzene	105	7.926	7.926	0.000	97	676801	25.0	23.9	
97 Bromobenzene	156	8.206	8.206	0.000	93	181821	25.0	24.5	
98 1,1,2,2-Tetrachloroethane	83	8.237	8.237	0.000	96	148014	25.0	22.1	
99 N-Propylbenzene	91	8.258	8.258	0.000	99	847310	25.0	24.0	
101 trans-1,4-Dichloro-2-buten	53	8.268	8.268	0.000	67	33291	25.0	17.1	
100 1,2,3-Trichloropropane	110	8.268	8.268	0.000	94	45363	25.0	19.5	
105 2-Chlorotoluene	126	8.340	8.340	0.000	96	174998	25.0	23.7	
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	96	581051	25.0	23.1	
102 4-Chlorotoluene	91	8.434	8.434	0.000	98	512380	25.0	23.5	
106 tert-Butylbenzene	134	8.651	8.651	0.000	94	132677	25.0	24.5	
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	98	601944	25.0	23.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.828	8.828	0.000	95	772470	25.0	25.0	
111 4-Isopropyltoluene	119	8.952	8.952	0.000	98	661157	25.0	25.0	
110 1,3-Dichlorobenzene	146	8.962	8.962	0.000	98	348934	25.0	23.9	
113 1,4-Dichlorobenzene	146	9.035	9.035	0.000	94	358134	25.0	24.4	
115 n-Butylbenzene	91	9.283	9.283	0.000	98	623768	25.0	24.4	
116 1,2-Dichlorobenzene	146	9.346	9.346	0.000	96	342169	25.0	24.1	
117 1,2-Dibromo-3-Chloropropan	75	10.019	10.019	0.000	73	19993	25.0	23.5	
119 1,2,4-Trichlorobenzene	180	10.662	10.662	0.000	94	256506	25.0	24.7	
120 Hexachlorobutadiene	225	10.765	10.765	0.000	96	122477	25.0	27.5	
121 Naphthalene	128	10.869	10.869	0.000	98	517500	25.0	21.1	
122 1,2,3-Trichlorobenzene	180	11.066	11.066	0.000	94	233649	25.0	23.5	

Reagents:

8260 CORP mix_00154	Amount Added: 12.50	Units: uL	
GAS CORP mix_00340	Amount Added: 12.50	Units: uL	
T_8260_Surr_00189	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00218	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0725.D

Injection Date: 09-May-2019 21:09:30

Instrument ID: HP5975T

Lims ID: CCVIS

Operator ID: AEM

Client ID:

Worklist Smp#: 3

Purge Vol: 5.000 mL

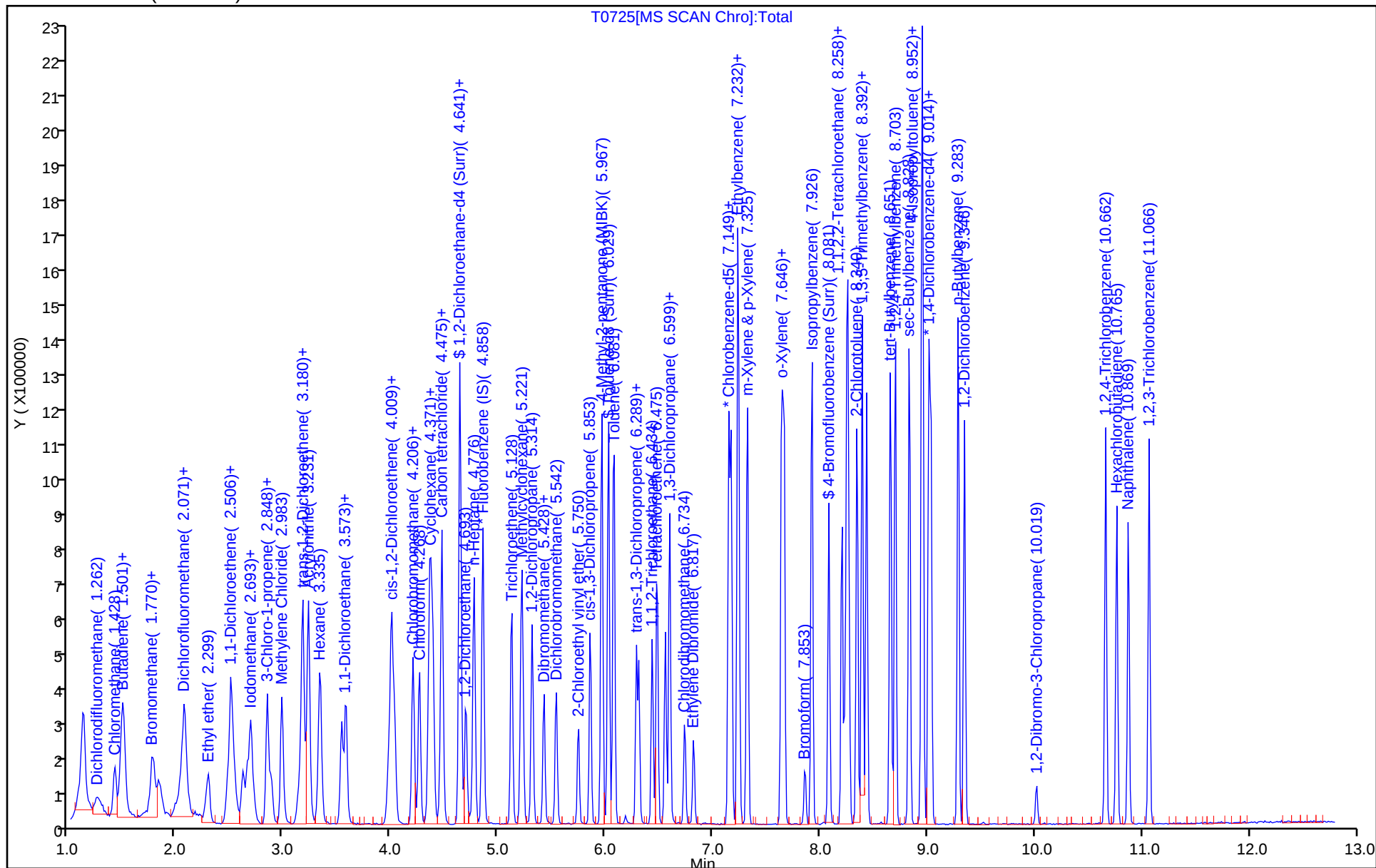
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-472206/3 Calibration Date: 05/10/2019 10:50
 Instrument ID: HP5975T Calib Start Date: 04/19/2019 17:06
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 04/19/2019 19:57
 Lab File ID: T0752.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	1.356	1.220	0.1000	22.5	25.0	-10.0	50.0
Chloromethane	Ave	1.775	2.004	0.1000	28.2	25.0	12.9	20.0
Butadiene	Ave	1.511	1.704		28.2	25.0	12.7	20.0
Vinyl chloride	Ave	1.611	1.636	0.1000	25.4	25.0	1.5	20.0
Bromomethane	Ave	1.358	1.471	0.1000	27.1	25.0	8.3	50.0
Chloroethane	Lin1		1.240	0.1000	33.4	25.0	33.7	50.0
Dichlorofluoromethane	Ave	2.385	2.725		28.6	25.0	14.3	20.0
Trichlorofluoromethane	Ave	2.461	2.606	0.1000	26.5	25.0	5.9	20.0
Ethyl ether	Ave	1.125	1.084		24.1	25.0	-3.7	20.0
Acrolein	Ave	0.2085	0.1683		101	125	-19.3	50.0
1,1-Dichloroethene	Ave	1.165	1.036	0.1000	22.2	25.0	-11.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.103	1.111	0.1000	25.2	25.0	0.7	20.0
Acetone	Ave	0.3634	0.3939	0.1000	135	125	8.4	50.0
Iodomethane	Ave	2.214	2.346		26.5	25.0	6.0	20.0
Carbon disulfide	Ave	3.942	3.740	0.1000	23.7	25.0	-5.1	20.0
Allyl chloride	Ave	2.136	2.034		23.8	25.0	-4.8	20.0
Methyl acetate	Ave	0.9310	0.8316	0.1000	44.7	50.0	-10.7	50.0
Methylene Chloride	Ave	1.489	1.414	0.1000	23.7	25.0	-5.0	20.0
2-Methyl-2-propanol	Ave	0.0833	0.0848		255	250	1.9	50.0
Methyl tert-butyl ether	Ave	3.309	3.105	0.1000	23.5	25.0	-6.2	20.0
trans-1,2-Dichloroethene	Ave	1.358	1.268	0.1000	23.3	25.0	-6.6	20.0
Acrylonitrile	Ave	0.4762	0.4598		241	250	-3.4	20.0
Hexane	Ave	1.801	1.949		27.1	25.0	8.2	20.0
1,1-Dichloroethane	Ave	2.274	2.470	0.2000	27.1	25.0	8.6	20.0
Vinyl acetate	Ave	2.099	2.441		58.2	50.0	16.3	20.0
2,2-Dichloropropane	Ave	1.562	1.510		24.2	25.0	-3.3	20.0
cis-1,2-Dichloroethene	Ave	1.475	1.467	0.1000	24.9	25.0	-0.5	20.0
2-Butanone (MEK)	Ave	0.5759	0.5980	0.1000	130	125	3.8	20.0
Chlorobromomethane	Ave	0.7466	0.8136		27.2	25.0	9.0	20.0
Tetrahydrofuran	Ave	0.3852	0.3275		42.5	50.0	-15.0	20.0
Chloroform	Lin1		2.417	0.2000	26.8	25.0	7.0	20.0
1,1,1-Trichloroethane	Ave	1.630	1.888	0.1000	29.0	25.0	15.8	20.0
Cyclohexane	Ave	2.132	2.468	0.1000	28.9	25.0	15.8	20.0
1,1-Dichloropropene	Ave	1.739	1.799		25.9	25.0	3.5	20.0
Carbon tetrachloride	Ave	1.094	1.676	0.1000	38.3	25.0	53.2*	20.0
Benzene	Ave	5.218	5.440	0.5000	26.1	25.0	4.3	20.0
Isobutyl alcohol	Ave	0.0295	0.0369		781	625	25.0	50.0
1,2-Dichloroethane	Ave	1.904	1.967	0.1000	25.8	25.0	3.3	20.0
n-Heptane	Ave	1.999	2.218		27.7	25.0	11.0	20.0
Trichloroethene	Ave	1.333	1.427	0.2000	26.8	25.0	7.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-472206/3 Calibration Date: 05/10/2019 10:50
 Instrument ID: HP5975T Calib Start Date: 04/19/2019 17:06
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 04/19/2019 19:57
 Lab File ID: T0752.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	2.089	2.218	0.1000	26.5	25.0	6.2	20.0
1,2-Dichloropropane	Ave	1.277	1.438	0.1000	28.2	25.0	12.6	20.0
1,4-Dioxane	Lin1		0.0030		456	500	-8.8	50.0
Dibromomethane	Ave	0.8344	0.8134	0.1000	24.4	25.0	-2.5	20.0
Bromodichloromethane	Ave	1.509	1.923	0.2000	31.9	25.0	27.4*	20.0
2-Chloroethyl vinyl ether	Ave	0.8452	0.8299		24.5	25.0	-1.8	20.0
cis-1,3-Dichloropropene	Ave	1.762	2.080	0.2000	29.5	25.0	18.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3098	0.3214	0.1000	130	125	3.7	20.0
Toluene	Ave	0.8556	0.8025	0.4000	23.4	25.0	-6.2	20.0
trans-1,3-Dichloropropene	Ave	0.4146	0.4035	0.1000	24.3	25.0	-2.7	20.0
Ethyl methacrylate	Ave	0.3076	0.3281		26.7	25.0	6.7	20.0
1,1,2-Trichloroethane	Ave	0.2549	0.2396	0.1000	23.5	25.0	-6.0	20.0
Tetrachloroethene	Ave	0.3352	0.3866	0.2000	28.8	25.0	15.3	20.0
1,3-Dichloropropane	Ave	0.5020	0.4717		23.5	25.0	-6.0	20.0
2-Hexanone	Ave	0.1996	0.2179	0.1000	136	125	9.2	20.0
Dibromochloromethane	Ave	0.2109	0.3349	0.1000	39.7	25.0	58.8*	20.0
1,2-Dibromoethane	Ave	0.2947	0.2779		23.6	25.0	-5.7	20.0
Chlorobenzene	Ave	0.9881	0.9338	0.5000	23.6	25.0	-5.5	20.0
Ethylbenzene	Ave	1.587	1.540	0.1000	24.3	25.0	-2.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2435	0.3305		33.9	25.0	35.7*	20.0
m,p-Xylene	Ave	0.6281	0.6107	0.1000	24.3	25.0	-2.8	20.0
o-Xylene	Ave	0.6071	0.6159	0.3000	25.4	25.0	1.5	20.0
Styrene	Ave	1.036	1.048	0.3000	25.3	25.0	1.1	20.0
Bromoform	Ave	0.1000	0.1909	0.1000	47.7	25.0	91.0*	50.0
Isopropylbenzene	Ave	2.930	2.626	0.1000	22.4	25.0	-10.4	20.0
Bromobenzene	Ave	0.7670	0.7323		23.9	25.0	-4.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6924	0.5871	0.3000	21.2	25.0	-15.2	20.0
N-Propylbenzene	Ave	3.657	3.275		22.4	25.0	-10.5	20.0
1,2,3-Trichloropropane	Ave	0.2400	0.1643		17.1	25.0	-31.6*	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2019	0.1728		21.4	25.0	-14.4	50.0
2-Chlorotoluene	Ave	0.7623	0.6502		21.3	25.0	-14.7	20.0
1,3,5-Trimethylbenzene	Ave	2.601	2.212		21.3	25.0	-15.0	20.0
4-Chlorotoluene	Ave	2.250	1.930		21.4	25.0	-14.2	20.0
tert-Butylbenzene	Ave	0.5590	0.5411		24.2	25.0	-3.2	20.0
1,2,4-Trimethylbenzene	Ave	2.627	2.239		21.3	25.0	-14.7	20.0
sec-Butylbenzene	Ave	3.201	3.003		23.5	25.0	-6.2	20.0
4-Isopropyltoluene	Ave	2.732	2.618		24.0	25.0	-4.2	20.0
1,3-Dichlorobenzene	Ave	1.507	1.346	0.6000	22.3	25.0	-10.7	20.0
1,4-Dichlorobenzene	Ave	1.519	1.349	0.5000	22.2	25.0	-11.2	20.0
n-Butylbenzene	Ave	2.640	2.458		23.3	25.0	-6.9	20.0
1,2-Dichlorobenzene	Ave	1.465	1.411	0.4000	24.1	25.0	-3.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-472206/3 Calibration Date: 05/10/2019 10:50
 Instrument ID: HP5975T Calib Start Date: 04/19/2019 17:06
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 04/19/2019 19:57
 Lab File ID: T0752.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	0.0879	0.0908	0.0500	25.8	25.0	3.3	50.0
1,2,4-Trichlorobenzene	Ave	1.073	1.000	0.2000	23.3	25.0	-6.8	20.0
Hexachlorobutadiene	Ave	0.4609	0.4552		24.7	25.0	-1.2	20.0
Naphthalene	Ave	2.540	2.243		22.1	25.0	-11.7	20.0
1,2,3-Trichlorobenzene	Ave	1.029	0.9039		22.0	25.0	-12.2	20.0
Dibromofluoromethane (Surr)	Ave	1.299	1.415		27.2	25.0	8.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.510	1.684		27.9	25.0	11.5	20.0
Toluene-d8 (Surr)	Ave	1.328	1.257		23.7	25.0	-5.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3945	0.4173		26.4	25.0	5.8	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0752.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 10-May-2019 10:50:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0080970-003
 Operator ID: kn Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-May-2019 19:38:23 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0326

First Level Reviewer: nowakk

Date: 10-May-2019 11:30:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.858	4.858	0.000	98	142900	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	86	599249	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	94	363440	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.403	4.403	0.000	93	202161	25.0	27.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.651	4.651	0.000	0	240680	25.0	27.9	
\$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.000	95	753035	25.0	23.7	
\$ 7 4-Bromofluorobenzene (Surr	174	8.081	8.081	0.000	0	250067	25.0	26.4	
11 Dichlorodifluoromethane	85	1.304	1.304	0.000	93	174373	25.0	22.5	
13 Chloromethane	50	1.449	1.449	0.000	98	286348	25.0	28.2	
151 Butadiene	54	1.522	1.522	0.000	88	243435	25.0	28.2	
14 Vinyl chloride	62	1.532	1.532	0.000	80	233720	25.0	25.4	
15 Bromomethane	94	1.801	1.801	0.000	93	210271	25.0	27.1	
16 Chloroethane	64	1.843	1.843	0.000	90	177129	25.0	33.4	
18 Dichlorofluoromethane	67	2.092	2.092	0.000	95	389472	25.0	28.6	
17 Trichlorofluoromethane	101	2.102	2.102	0.000	75	372417	25.0	26.5	
19 Ethyl ether	59	2.309	2.309	0.000	97	154919	25.0	24.1	
21 Acrolein	56	2.496	2.496	0.000	94	120223	125.0	100.9	
22 1,1-Dichloroethene	96	2.516	2.516	0.000	97	148078	25.0	22.2	
20 1,1,2-Trichloro-1,2,2-trif	101	2.537	2.537	0.000	62	158727	25.0	25.2	
23 Acetone	43	2.630	2.630	0.000	98	281404	125.0	135.5	
24 Iodomethane	142	2.682	2.682	0.000	99	335227	25.0	26.5	
25 Carbon disulfide	76	2.703	2.703	0.000	99	534381	25.0	23.7	
27 3-Chloro-1-propene	41	2.858	2.858	0.000	86	290729	25.0	23.8	
28 Methyl acetate	43	2.900	2.900	0.000	100	237666	50.0	44.7	
30 Methylene Chloride	84	2.993	2.993	0.000	96	202028	25.0	23.7	
31 2-Methyl-2-propanol	59	3.149	3.149	0.000	63	121216	250.0	254.7	
33 Methyl tert-butyl ether	73	3.190	3.190	0.000	75	443680	25.0	23.5	
32 trans-1,2-Dichloroethene	96	3.190	3.190	0.000	93	181133	25.0	23.3	
34 Acrylonitrile	53	3.242	3.242	0.000	98	656984	250.0	241.4	
35 Hexane	57	3.345	3.345	0.000	94	278533	25.0	27.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.553	3.553	0.000	97	352913	25.0	27.1	
39 Vinyl acetate	43	3.584	3.584	0.000	98	697743	50.0	58.2	
42 2,2-Dichloropropane	77	3.988	3.988	0.000	85	215788	25.0	24.2	
43 cis-1,2-Dichloroethene	96	4.019	4.019	0.000	84	209682	25.0	24.9	
44 2-Butanone (MEK)	43	4.040	4.040	0.000	98	427272	125.0	129.8	
47 Chlorobromomethane	128	4.216	4.216	0.000	96	116256	25.0	27.2	
48 Tetrahydrofuran	42	4.216	4.216	0.000	82	93596	50.0	42.5	
50 Chloroform	83	4.268	4.268	0.000	96	345428	25.0	26.8	
51 1,1,1-Trichloroethane	97	4.371	4.371	0.000	97	269854	25.0	29.0	
52 Cyclohexane	56	4.371	4.371	0.000	97	352650	25.0	28.9	
53 Carbon tetrachloride	117	4.475	4.475	0.000	71	239535	25.0	38.3	
54 1,1-Dichloropropene	75	4.475	4.475	0.000	90	257064	25.0	25.9	
55 Benzene	78	4.651	4.651	0.000	96	777346	25.0	26.1	
56 Isobutyl alcohol	43	4.662	4.662	0.000	87	131660	625.0	781.4	
57 1,2-Dichloroethane	62	4.703	4.703	0.000	96	281139	25.0	25.8	
59 n-Heptane	43	4.776	4.776	0.000	93	317004	25.0	27.7	
60 Trichloroethene	95	5.128	5.128	0.000	95	203887	25.0	26.8	
62 Methylcyclohexane	83	5.221	5.221	0.000	94	316975	25.0	26.5	
63 1,2-Dichloropropane	63	5.314	5.314	0.000	88	205527	25.0	28.2	
66 1,4-Dioxane	88	5.428	5.428	0.000	43	35322	500.0	456.2	
65 Dibromomethane	93	5.428	5.428	0.000	96	116229	25.0	24.4	
67 Dichlorobromomethane	83	5.542	5.542	0.000	96	274846	25.0	31.9	
69 2-Chloroethyl vinyl ether	63	5.750	5.750	0.000	94	118592	25.0	24.5	
71 cis-1,3-Dichloropropene	75	5.864	5.864	0.000	89	297281	25.0	29.5	
72 4-Methyl-2-pentanone (MIBK)	43	5.967	5.967	0.000	98	962967	125.0	129.7	
73 Toluene	92	6.081	6.081	0.000	96	480866	25.0	23.4	
75 trans-1,3-Dichloropropene	75	6.289	6.289	0.000	95	241783	25.0	24.3	
77 Ethyl methacrylate	69	6.309	6.309	0.000	93	196634	25.0	26.7	
78 1,1,2-Trichloroethane	83	6.434	6.434	0.000	92	143605	25.0	23.5	
79 Tetrachloroethene	166	6.485	6.485	0.000	95	231654	25.0	28.8	
80 1,3-Dichloropropane	76	6.558	6.558	0.000	95	282645	25.0	23.5	
81 2-Hexanone	43	6.599	6.599	0.000	98	652719	125.0	136.4	
82 Chlorodibromomethane	129	6.734	6.734	0.000	88	200695	25.0	39.7	
83 Ethylene Dibromide	107	6.817	6.817	0.000	99	166551	25.0	23.6	
86 Chlorobenzene	112	7.169	7.169	0.000	94	559586	25.0	23.6	
88 Ethylbenzene	91	7.232	7.232	0.000	98	922968	25.0	24.3	
89 1,1,1,2-Tetrachloroethane	131	7.242	7.242	0.000	89	198045	25.0	33.9	
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	365988	25.0	24.3	
91 o-Xylene	106	7.646	7.646	0.000	96	369094	25.0	25.4	
92 Styrene	104	7.667	7.667	0.000	96	627746	25.0	25.3	
93 Bromoform	173	7.864	7.864	0.000	94	114418	25.0	47.7	
95 Isopropylbenzene	105	7.926	7.926	0.000	96	954396	25.0	22.4	
97 Bromobenzene	156	8.206	8.206	0.000	93	266152	25.0	23.9	
98 1,1,2,2-Tetrachloroethane	83	8.237	8.237	0.000	96	213371	25.0	21.2	
99 N-Propylbenzene	91	8.258	8.258	0.000	99	1190191	25.0	22.4	
100 1,2,3-Trichloropropane	110	8.268	8.268	0.000	90	59695	25.0	17.1	
101 trans-1,4-Dichloro-2-buten	53	8.268	8.268	0.000	71	62787	25.0	21.4	
105 2-Chlorotoluene	126	8.340	8.340	0.000	96	236289	25.0	21.3	
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	96	803754	25.0	21.3	
102 4-Chlorotoluene	91	8.434	8.434	0.000	97	701385	25.0	21.4	
106 tert-Butylbenzene	134	8.651	8.651	0.000	94	196658	25.0	24.2	
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	98	813902	25.0	21.3	

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	8.828	8.828	0.000	95	1091316	25.0	23.5	
111 4-Isopropyltoluene	119	8.952	8.952	0.000	97	951449	25.0	24.0	
110 1,3-Dichlorobenzene	146	8.962	8.962	0.000	98	489037	25.0	22.3	
113 1,4-Dichlorobenzene	146	9.035	9.035	0.000	93	490132	25.0	22.2	
115 n-Butylbenzene	91	9.284	9.284	0.000	98	893377	25.0	23.3	
116 1,2-Dichlorobenzene	146	9.346	9.346	0.000	97	512985	25.0	24.1	
117 1,2-Dibromo-3-Chloropropan	75	10.019	10.019	0.000	76	32995	25.0	25.8	
119 1,2,4-Trichlorobenzene	180	10.662	10.662	0.000	93	363550	25.0	23.3	
120 Hexachlorobutadiene	225	10.765	10.765	0.000	95	165426	25.0	24.7	
121 Naphthalene	128	10.869	10.869	0.000	97	815136	25.0	22.1	
122 1,2,3-Trichlorobenzene	180	11.066	11.066	0.000	93	328505	25.0	22.0	

Reagents:

8260 CORP mix_00154	Amount Added: 12.50	Units: uL	
GAS CORP mix_00340	Amount Added: 12.50	Units: uL	
T_8260_Surr_00189	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00218	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0752.D

Injection Date: 10-May-2019 10:50:30

Instrument ID: HP5975T

Operator ID: kn

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

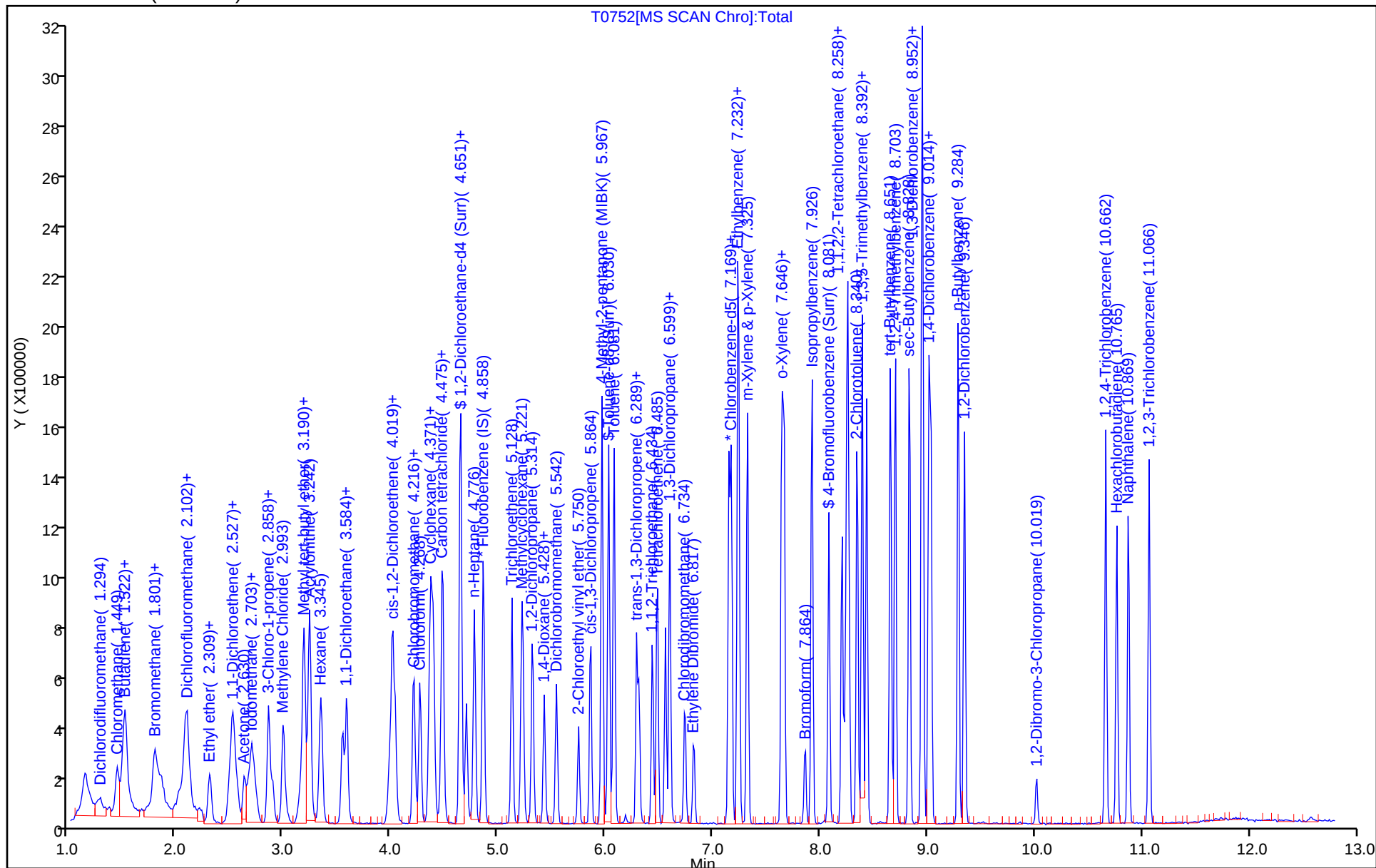
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2841.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 26-Mar-2019 13:57:30 ALS Bottle#: 3 Worklist Smp#: 4
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0079693-004
 Operator ID: LH Instrument ID: HP5973S
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 28-Mar-2019 12:19:37 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1019

First Level Reviewer: HillL

Date: 26-Mar-2019 14:08:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
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\$ 61 BFB	95	3.802	3.802	0.000	0	353726	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00085

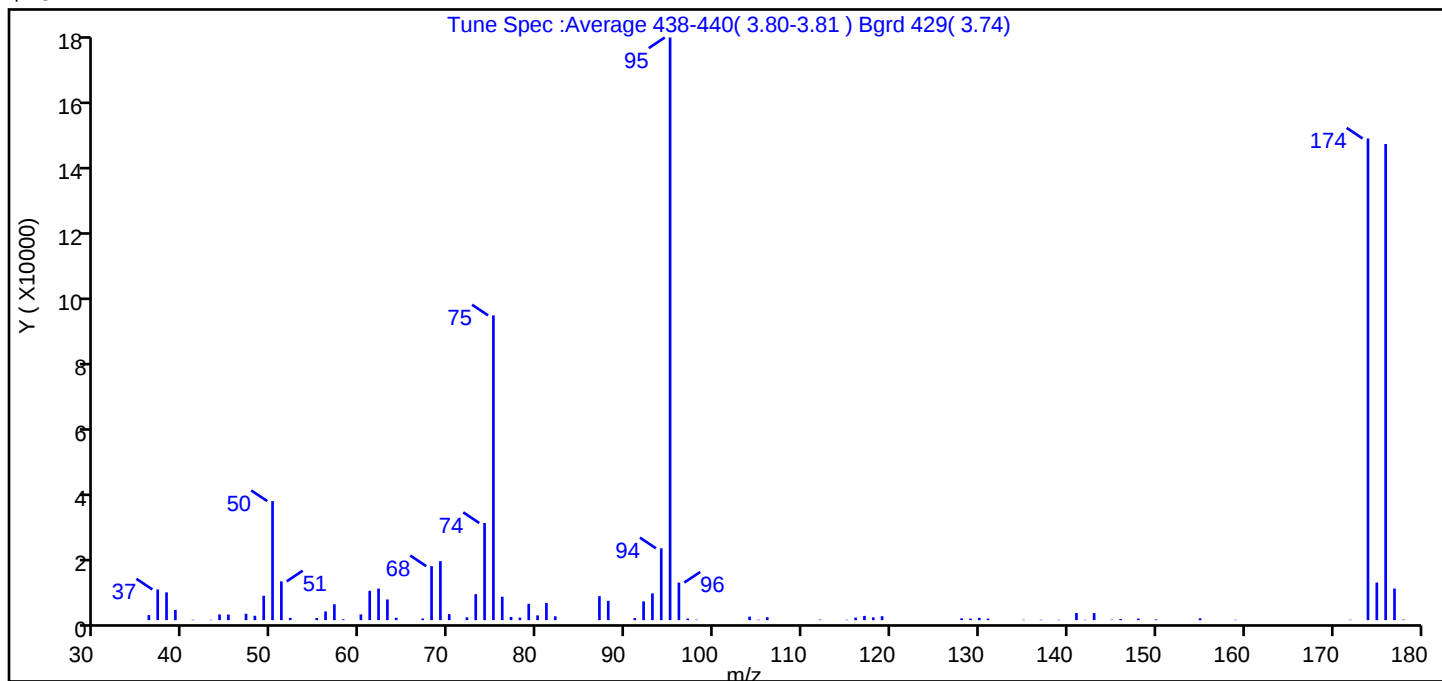
Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2841.D
Injection Date: 26-Mar-2019 13:57:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 3 Worklist Smp#: 4
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.4
75	30 to 60% of m/z 95	52.3
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.7
175	5 to 9% of m/z 174	6.5 (7.8)
176	Greater than 95% but less than 101% of m/z 174	81.7 (98.9)
177	5 to 9% of m/z 176	5.4 (6.6)

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2841.D\S-8260.rslt\spectra.d
Injection Date: 26-Mar-2019 13:57:30
Spectrum: Tune Spec :Average 438-440(3.80-3.81) Bgrd 429(3.74)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 79

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1528	62.00	9516	91.00	607	131.00	441
37.00	9251	63.00	6234	92.00	5652	135.00	126
38.00	8378	64.00	740	93.00	8065	137.00	136
39.00	3073	67.00	490	94.00	21664	139.00	126
41.00	135	68.00	16272	95.00	175680	141.00	2150
43.00	117	69.00	17784	96.00	11324	142.00	117
44.00	1707	70.00	1816	97.00	485	143.00	2130
45.00	1689	72.00	859	98.00	137	145.00	141
47.00	1929	73.00	7836	104.00	1060	146.00	333
48.00	1323	74.00	29288	105.00	135	148.00	471
49.00	7348	75.00	91888	106.00	873	150.00	220
50.00	35896	76.00	7058	112.00	159	155.00	565
51.00	11696	77.00	965	115.00	119	159.00	121
52.00	685	78.00	764	116.00	771	172.00	127
55.00	655	79.00	4916	117.00	1273	174.00	145216
56.00	2634	80.00	1446	118.00	846	175.00	11338
57.00	4788	81.00	5203	119.00	1182	176.00	143552
58.00	246	82.00	1162	128.00	552	177.00	9531
60.00	1723	87.00	7232	129.00	462	178.00	160
61.00	8849	88.00	5823	130.00	686		

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4817.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 11-May-2019 10:56:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0081008-002
 Operator ID: AEM Instrument ID: HP5973S
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-May-2019 11:05:50 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0304

First Level Reviewer: milligana

Date: 11-May-2019 11:05:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
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\$ 61 BFB	95	3.838	3.838	0.000	0	930410	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00086

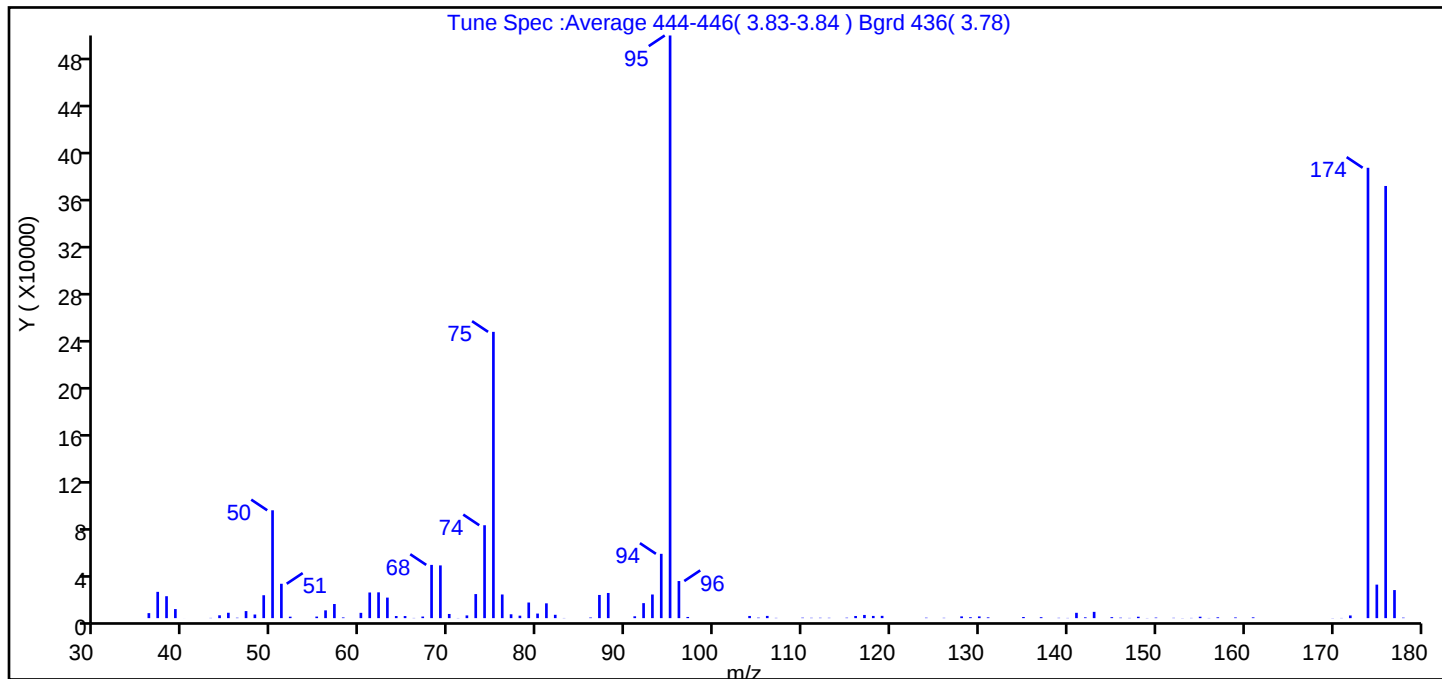
Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4817.D
Injection Date: 11-May-2019 10:56:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: AEM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.5
75	30 to 60% of m/z 95	49.1
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	77.3
175	5 to 9% of m/z 174	5.8 (7.4)
176	Greater than 95% but less than 101% of m/z 174	74.2 (96.0)
177	5 to 9% of m/z 176	4.8 (6.5)

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4817.D\S-8260.rslt\spectra.d
Injection Date: 11-May-2019 10:56:30
Spectrum: Tune Spec :Average 444-446(3.83-3.84) Bgrd 436(3.78)
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	4232	67.00	1355	97.00	1002	143.00	5311
37.00	22208	68.00	44968	104.00	1848	145.00	828
38.00	18528	69.00	44544	105.00	419	146.00	381
39.00	7662	70.00	3530	106.00	1886	147.00	183
40.00	23	71.00	133	107.00	224	148.00	1186
43.00	198	72.00	2300	110.00	389	149.00	129
44.00	2402	73.00	20320	111.00	286	150.00	474
45.00	4544	74.00	78464	112.00	313	152.00	262
46.00	349	75.00	241792	113.00	288	153.00	122
47.00	5964	76.00	19984	115.00	370	154.00	189
48.00	3063	77.00	3259	116.00	1819	155.00	1193
49.00	19352	78.00	2090	117.00	2696	156.00	143
50.00	91088	79.00	13196	118.00	1870	157.00	692
51.00	29040	80.00	3872	119.00	1941	159.00	585
52.00	1227	81.00	12509	124.00	365	161.00	659
55.00	1322	82.00	2831	126.00	267	170.00	119
56.00	6573	83.00	142	128.00	1481	171.00	160
57.00	11929	86.00	523	129.00	770	172.00	2261
58.00	586	87.00	19592	130.00	1457	174.00	380352
60.00	4477	88.00	21264	131.00	661	175.00	28312
61.00	21664	91.00	1555	135.00	943	176.00	364992
62.00	21792	92.00	12674	137.00	797	177.00	23704
63.00	17344	93.00	19976	139.00	269	178.00	409
64.00	1783	94.00	54320	140.00	180		
65.00	1765	95.00	492096	141.00	4506		
66.00	173	96.00	31328	142.00	684		

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4932.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 13-May-2019 08:53:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0081028-003
Operator ID: AM Instrument ID: HP5973S
Method: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-May-2019 19:05:07 Calib Date: 26-Mar-2019 21:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0337

First Level Reviewer: moffata

Date: 13-May-2019 09:03:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
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\$ 61 BFB	95	3.778	3.778	0.000	0	242498	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00086

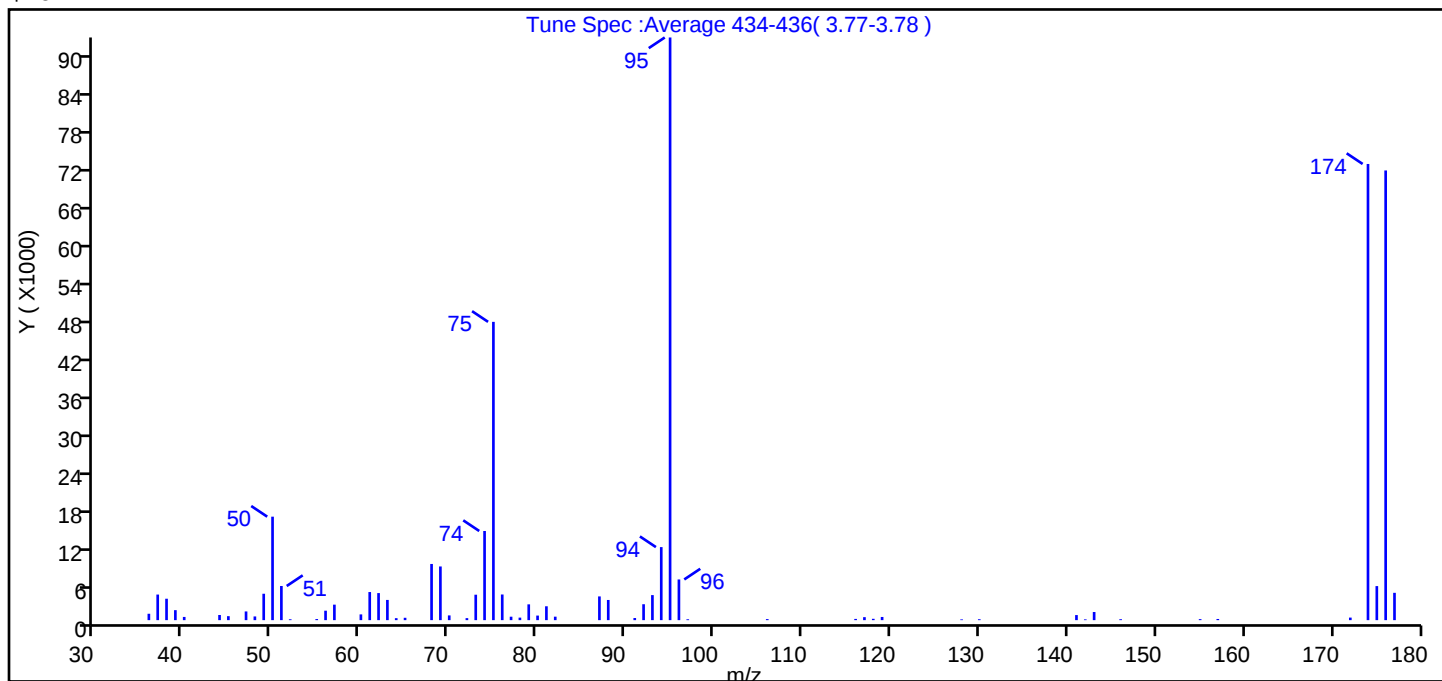
Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4932.D
Injection Date: 13-May-2019 08:53:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: AM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.8
75	30 to 60% of m/z 95	51.2
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	78.3
175	5 to 9% of m/z 174	5.8 (7.5)
176	Greater than 95% but less than 101% of m/z 174	77.2 (98.6)
177	5 to 9% of m/z 176	4.7 (6.1)

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4932.D\S-8260.rslt\spectra.d
Injection Date: 13-May-2019 08:53:30
Spectrum: Tune Spec :Average 434-436(3.77-3.78)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 63

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1016	60.00	915	79.00	2513	118.00	213
37.00	4072	61.00	4471	80.00	727	119.00	504
38.00	3407	62.00	4305	81.00	2207	128.00	118
39.00	1589	63.00	3216	82.00	553	130.00	143
40.00	510	64.00	314	87.00	3776	141.00	807
44.00	820	65.00	376	88.00	3209	142.00	122
45.00	634	68.00	8939	91.00	337	143.00	1294
47.00	1386	69.00	8542	92.00	2533	146.00	147
48.00	588	70.00	753	93.00	3984	155.00	160
49.00	4201	72.00	320	94.00	11621	157.00	185
50.00	16464	73.00	4047	95.00	92712	172.00	406
51.00	5432	74.00	14184	96.00	6474	174.00	72584
52.00	138	75.00	47464	97.00	137	175.00	5418
55.00	173	76.00	4082	106.00	165	176.00	71552
56.00	1503	77.00	548	116.00	196	177.00	4347
57.00	2466	78.00	402	117.00	475		

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0004.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 19-Apr-2019 16:04:30 ALS Bottle#: 24 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: bfb
Misc. Info.: 480-0080365-003
Operator ID: KN Instrument ID: HP5975T
Method: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-Apr-2019 13:30:23 Calib Date: 20-Apr-2019 00:25:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1032

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
\$ 5 BFB	95	5.541	5.541	0.000	84	363075	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

MV_BFB_STK_00073

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0004.D

Injection Date: 19-Apr-2019 16:04:30

Instrument ID: HP5975T

Lims ID: BFB

Client ID:

Operator ID: KN

ALS Bottle#: 24

Worklist Smp#: 3

Injection Vol: 1.0 uL

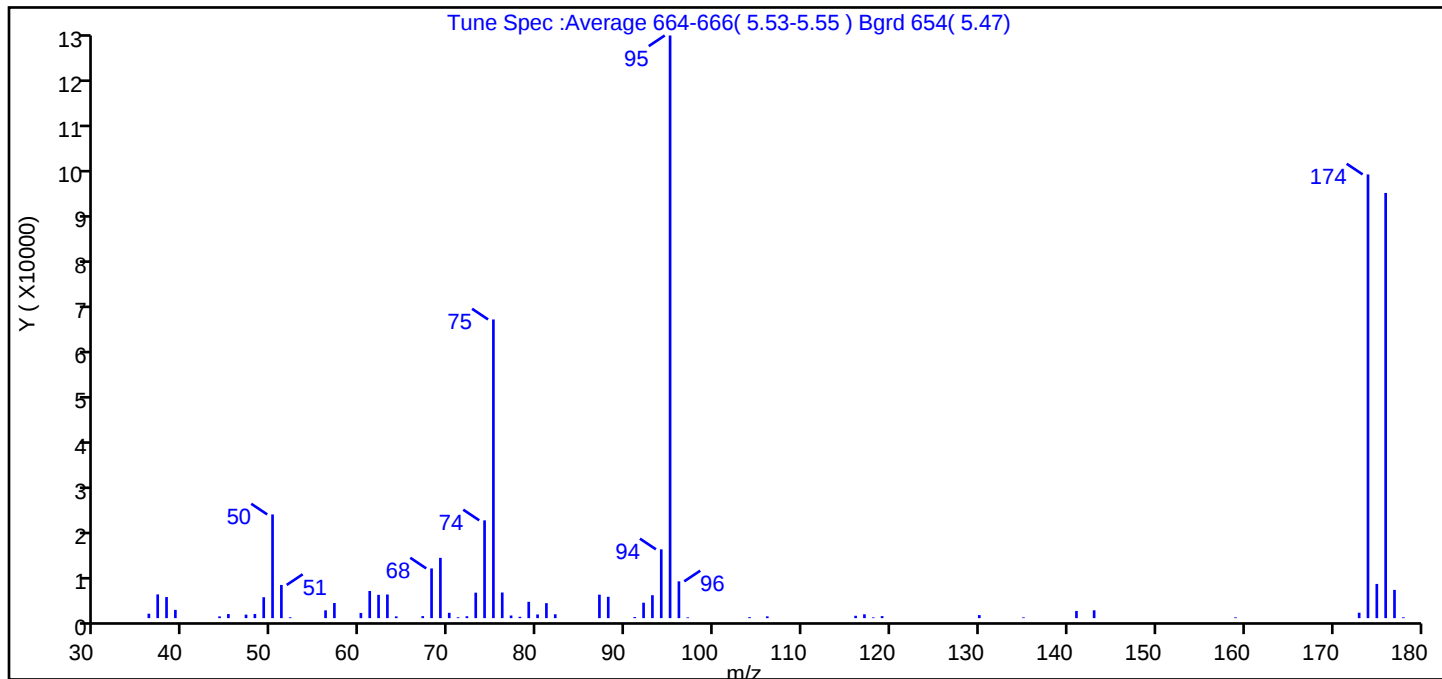
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.8
75	30 to 60% of m/z 95	51.3
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.9 (1.2)
174	50 to 120% of m/z 95	76.2
175	5 to 9% of m/z 174	5.9 (7.7)
176	Greater than 95% but less than 101% of m/z 174	73.0 (95.8)
177	5 to 9% of m/z 176	4.9 (6.6)

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0004.D\T-8260.rslt\spectra.d
Injection Date: 19-Apr-2019 16:04:30
Spectrum: Tune Spec :Average 664-666(5.53-5.55) Bgrd 654(5.47)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	988	62.00	5176	80.00	823	118.00	167
37.00	5274	63.00	5248	81.00	3331	119.00	457
38.00	4686	64.00	393	82.00	858	130.00	681
39.00	1835	67.00	450	87.00	5218	135.00	169
44.00	391	68.00	11042	88.00	4743	141.00	1597
45.00	911	69.00	13390	91.00	243	143.00	1745
47.00	780	70.00	1188	92.00	3431	159.00	176
48.00	913	71.00	192	93.00	5097	173.00	1208
49.00	4646	72.00	426	94.00	15284	174.00	98544
50.00	23032	73.00	5659	95.00	129400	175.00	7601
51.00	7374	74.00	21720	96.00	8172	176.00	94432
52.00	189	75.00	66336	97.00	177	177.00	6277
56.00	1737	76.00	5694	104.00	216	178.00	183
57.00	3361	77.00	584	106.00	397		
60.00	1157	78.00	304	116.00	525		
61.00	6036	79.00	3626	117.00	852		

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0724.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 09-May-2019 20:45:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0080959-002
Operator ID: AEM Instrument ID: HP5975T
Method: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 20:58:58 Calib Date: 20-Apr-2019 00:25:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0316

First Level Reviewer: milligana

Date: 09-May-2019 20:58:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
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\$ 5 BFB	95	5.535	5.535	0.000	88	205494	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00086

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0724.D

Injection Date: 09-May-2019 20:45:30

Instrument ID: HP5975T

Lims ID: BFB

Client ID:

Operator ID: AEM

ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 uL

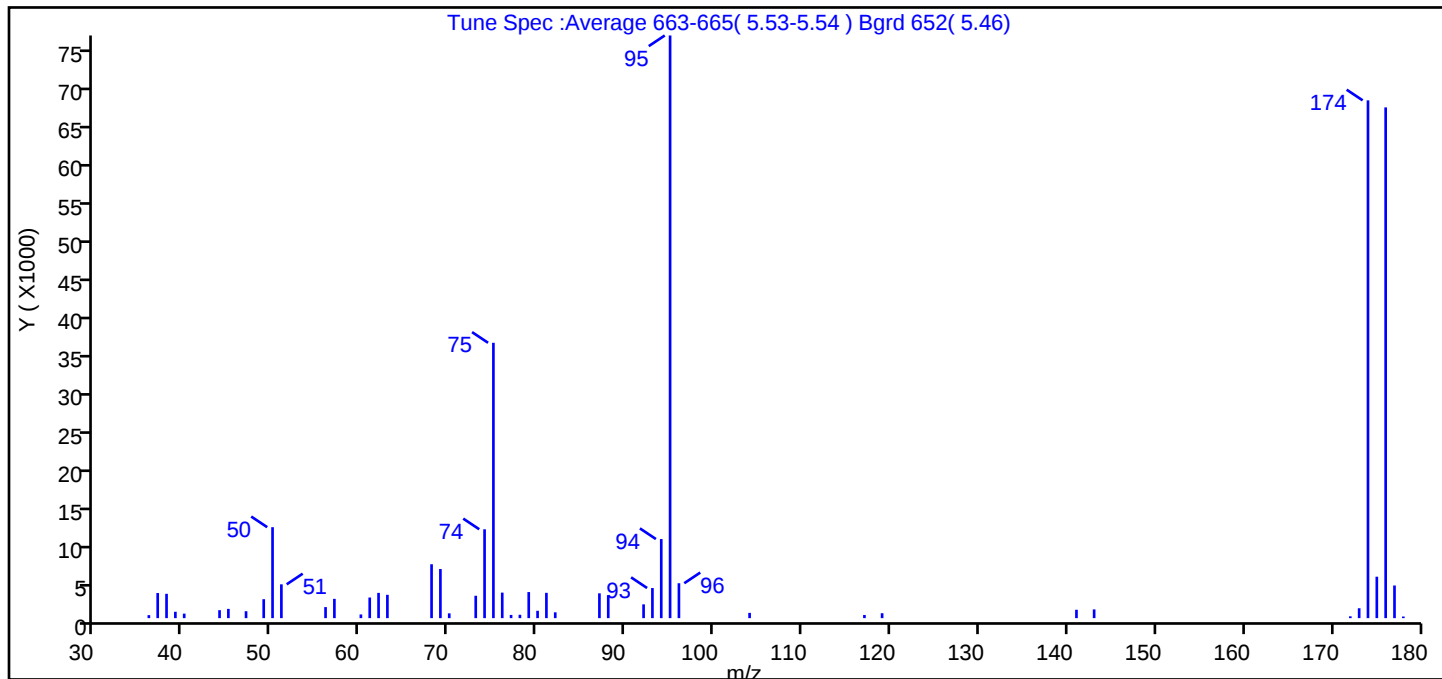
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.6
75	30 to 60% of m/z 95	47.3
96	5 to 9% of m/z 95	6.0
173	Less than 2% of m/z 174	1.7 (1.9)
174	50 to 120% of m/z 95	88.9
175	5 to 9% of m/z 174	7.1 (8.0)
176	Greater than 95% but less than 101% of m/z 174	87.7 (98.6)
177	5 to 9% of m/z 176	5.6 (6.4)

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0724.D\T-8260.rslt\spectra.d
Injection Date: 09-May-2019 20:45:30
Spectrum: Tune Spec :Average 663-665(5.53-5.54) Bgrd 652(5.46)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 49

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	393	60.00	484	79.00	3408	119.00	644
37.00	3282	61.00	2696	80.00	961	141.00	1097
38.00	3181	62.00	3303	81.00	3308	143.00	1142
39.00	834	63.00	3050	82.00	762	172.00	237
40.00	590	68.00	7046	87.00	3244	173.00	1293
44.00	1042	69.00	6419	88.00	3002	174.00	67680
45.00	1212	70.00	627	92.00	1804	175.00	5416
47.00	906	73.00	2925	93.00	3937	176.00	66760
49.00	2478	74.00	11616	94.00	10338	177.00	4267
50.00	11888	75.00	35992	95.00	76160	178.00	211
51.00	4420	76.00	3337	96.00	4563		
56.00	1446	77.00	421	104.00	690		
57.00	2522	78.00	441	117.00	416		

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0751.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 10-May-2019 10:23:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0080970-002
Operator ID: kn Instrument ID: HP5975T
Method: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-May-2019 19:35:39 Calib Date: 20-Apr-2019 00:25:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0326

First Level Reviewer: nowakk

Date: 10-May-2019 10:39:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
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\$ 5 BFB	95	5.553	5.553	0.000	90	267346	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00086

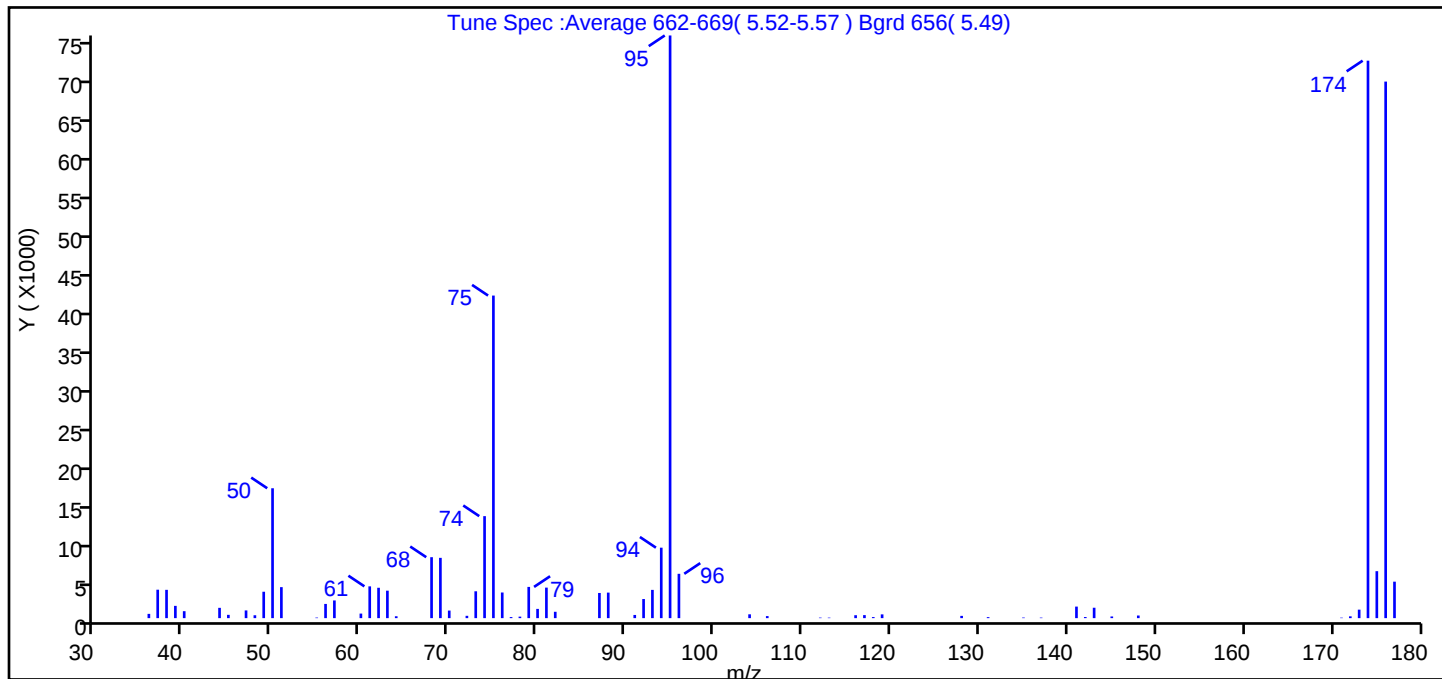
Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0751.D
Injection Date: 10-May-2019 10:23:30 Instrument ID: HP5975T
Lims ID: BFB
Client ID:
Operator ID: kn ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.3
75	30 to 60% of m/z 95	55.4
96	5 to 9% of m/z 95	7.6
173	Less than 2% of m/z 174	1.5 (1.5)
174	50 to 120% of m/z 95	95.7
175	5 to 9% of m/z 174	8.1 (8.4)
176	Greater than 95% but less than 101% of m/z 174	92.1 (96.2)
177	5 to 9% of m/z 176	6.3 (6.8)

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0751.D\T-8260.rslt\spectra.d
Injection Date: 10-May-2019 10:23:30
Spectrum: Tune Spec :Average 662-669(5.52-5.57) Bgrd 656(5.49)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 66

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	551	62.00	3916	87.00	3245	131.00	128
37.00	3666	63.00	3541	88.00	3292	135.00	76
38.00	3649	64.00	243	91.00	411	137.00	68
39.00	1582	68.00	7857	92.00	2464	141.00	1489
40.00	897	69.00	7773	93.00	3643	142.00	143
44.00	1328	70.00	977	94.00	9085	143.00	1341
45.00	426	72.00	300	95.00	75112	145.00	217
47.00	995	73.00	3462	96.00	5716	148.00	339
48.00	373	74.00	13149	104.00	494	171.00	62
49.00	3404	75.00	41584	106.00	265	172.00	232
50.00	16744	76.00	3306	112.00	69	173.00	1094
51.00	3997	77.00	137	113.00	65	174.00	71864
55.00	73	78.00	194	116.00	378	175.00	6055
56.00	1832	79.00	4027	117.00	392	176.00	69168
57.00	2282	80.00	1192	118.00	137	177.00	4702
60.00	588	81.00	3936	119.00	486		
61.00	4097	82.00	820	128.00	293		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-472168/9

Matrix: Water Lab File ID: T0731.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 05/09/2019 23:42

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.: 472168 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-472168/9
 Matrix: Water Lab File ID: T0731.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/09/2019 23:42
 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.: 472168 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		77-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
1868-53-7	Dibromofluoromethane (Surr)	108		75-123
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0731.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 09-May-2019 23:42:30 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0080959-009
 Operator ID: AEM Instrument ID: HP5975T
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-May-2019 02:03:18 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0316

First Level Reviewer: milligana

Date: 10-May-2019 02:07:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.859	4.859	0.000	98	103770	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	88	420092	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	96	232038	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	91	145437	25.0	27.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	177148	25.0	28.3	
\$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.000	95	555398	25.0	24.9	
\$ 7 4-Bromofluorobenzene (Surr	174	8.081	8.081	0.000	0	178423	25.0	26.9	
11 Dichlorodifluoromethane	85		1.273					ND	
12 Chlorodifluoromethane	51		1.283					ND	U
13 Chloromethane	50		1.428					ND	
151 Butadiene	54		1.501					ND	
14 Vinyl chloride	62		1.511					ND	
15 Bromomethane	94		1.781					ND	
16 Chloroethane	64		1.832					ND	
18 Dichlorofluoromethane	67		2.071					ND	
17 Trichlorofluoromethane	101		2.071					ND	
19 Ethyl ether	59		2.299					ND	
148 Ethanol	45		2.330					ND	
84 Propene oxide	58		2.392					ND	
21 Acrolein	56		2.475					ND	
22 1,1-Dichloroethene	96		2.506					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.506					ND	
23 Acetone	43		2.620					ND	
24 Iodomethane	142		2.662					ND	
25 Carbon disulfide	76		2.693					ND	
26 Isopropyl alcohol	45		2.796					ND	
27 3-Chloro-1-propene	41		2.848					ND	
28 Methyl acetate	43		2.879					ND	
29 Acetonitrile	40		2.910					ND	
30 Methylene Chloride	84	3.004	2.983	0.021	55	1592		0.2577	
31 2-Methyl-2-propanol	59		3.149					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Methyl tert-butyl ether	73		3.169					ND	
32 trans-1,2-Dichloroethene	96		3.180					ND	
34 Acrylonitrile	53		3.231					ND	
35 Hexane	57		3.335					ND	
36 1,1-Dichloroethane	63		3.542					ND	
37 Isopropyl ether	45		3.553					ND	
139 Halothane	117		3.573					ND	
39 Vinyl acetate	43		3.584					ND	
38 2-Chloro-1,3-butadiene	53		3.584					ND	
40 1,1-Dimethoxyethane	75		3.615					ND	
41 Tert-butyl ethyl ether	59		3.833					ND	
42 2,2-Dichloropropane	77		3.988					ND	
43 cis-1,2-Dichloroethene	96		4.009					ND	
44 2-Butanone (MEK)	43		4.029					ND	
45 Ethyl acetate	43		4.050					ND	
46 Propionitrile	54		4.123					ND	
47 Chlorobromomethane	128		4.206					ND	
49 Methacrylonitrile	41		4.206					ND	
48 Tetrahydrofuran	42		4.216					ND	
50 Chloroform	83		4.268					ND	
51 1,1,1-Trichloroethane	97		4.361					ND	
52 Cyclohexane	56		4.371					ND	
53 Carbon tetrachloride	117		4.475					ND	
54 1,1-Dichloropropene	75		4.475					ND	
152 Isooctane	57		4.631					ND	
55 Benzene	78		4.641					ND	
56 Isobutyl alcohol	43		4.651					ND	
57 1,2-Dichloroethane	62		4.703					ND	
58 Tert-amyl methyl ether	73		4.703					ND	
147 t-Amyl alcohol	59		4.703					ND	
59 n-Heptane	43		4.776					ND	
1 1,4-Difluorobenzene	114		4.941					ND	
141 2,4,4-Trimethyl-1-pentene	55		5.035					ND	
60 Trichloroethene	95		5.128					ND	
61 n-Butanol	56		5.138					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.211					ND	
142 Ethyl acrylate	55		5.211					ND	
62 Methylcyclohexane	83		5.221					ND	
63 1,2-Dichloropropane	63		5.314					ND	
64 Methyl methacrylate	41		5.377					ND	
66 1,4-Dioxane	88		5.428					ND	
65 Dibromomethane	93		5.428					ND	
67 Dichlorobromomethane	83		5.542					ND	
68 2-Nitropropane	43		5.729					ND	
69 2-Chloroethyl vinyl ether	63		5.750					ND	
70 Epichlorohydrin	57		5.822					ND	
71 cis-1,3-Dichloropropene	75		5.853					ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.967					ND	
73 Toluene	92		6.081					ND	
74 2-Methylthiophene	97		6.185					ND	
75 trans-1,3-Dichloropropene	75		6.289					ND	
77 Ethyl methacrylate	69		6.309					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
76 3-Methylthiophene	97		6.309					ND	
78 1,1,2-Trichloroethane	83		6.434					ND	
79 Tetrachloroethene	166		6.485					ND	
80 1,3-Dichloropropane	76		6.558					ND	
81 2-Hexanone	43		6.599					ND	U
155 n-Butyl acetate	43		6.672					ND	
82 Chlorodibromomethane	129		6.734					ND	
83 Ethylene Dibromide	107		6.817					ND	
146 1-Chlorohexane	55		7.118					ND	
85 3-Chlorobenzotrifluoride	180		7.128					ND	
86 Chlorobenzene	112		7.169					ND	
87 4-Chlorobenzotrifluoride	180		7.180					ND	
88 Ethylbenzene	91		7.232					ND	
89 1,1,1,2-Tetrachloroethane	131		7.242					ND	
90 m-Xylene & p-Xylene	106		7.325					ND	
91 o-Xylene	106		7.646					ND	
92 Styrene	104		7.667					ND	
93 Bromoform	173		7.864					ND	
94 2-Chlorobenzotrifluoride	180		7.864					ND	
95 Isopropylbenzene	105		7.926					ND	
96 Cyclohexanone	55		8.071					ND	
97 Bromobenzene	156		8.206					ND	
98 1,1,2,2-Tetrachloroethane	83		8.237					ND	
99 N-Propylbenzene	91		8.258					ND	
101 trans-1,4-Dichloro-2-buten	53		8.268					ND	
100 1,2,3-Trichloropropane	110		8.268					ND	
105 2-Chlorotoluene	126		8.340					ND	
104 1,3,5-Trimethylbenzene	105		8.392					ND	
103 3-Chlorotoluene	126		8.392					ND	
102 4-Chlorotoluene	91		8.434					ND	
106 tert-Butylbenzene	134		8.651					ND	
107 1,2,4-Trimethylbenzene	105		8.703					ND	
108 Pentachloroethane	167		8.714					ND	
109 sec-Butylbenzene	105		8.828					ND	
111 4-Isopropyltoluene	119		8.952					ND	
110 1,3-Dichlorobenzene	146		8.962					ND	
112 Dicyclopentadiene	66		9.014					ND	
113 1,4-Dichlorobenzene	146		9.035					ND	
114 1,2,3-Trimethylbenzene	105		9.056					ND	
150 Benzyl chloride	126		9.159					ND	
115 n-Butylbenzene	91		9.283					ND	
116 1,2-Dichlorobenzene	146		9.346					ND	
117 1,2-Dibromo-3-Chloropropan	75		10.019					ND	
118 1,3,5-Trichlorobenzene	180		10.133					ND	
119 1,2,4-Trichlorobenzene	180		10.662					ND	
120 Hexachlorobutadiene	225		10.765					ND	
121 Naphthalene	128		10.869					ND	
122 1,2,3-Trichlorobenzene	180		11.066					ND	
149 2-Methylnaphthalene	142		11.740					ND	
145 Ethylene oxide TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
137 Methyl acrylate	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00189

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 10-May-2019 02:07:07

Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0731.D

Injection Date: 09-May-2019 23:42:30

Instrument ID: HP5975T

Operator ID: AEM

Lims ID: MB

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

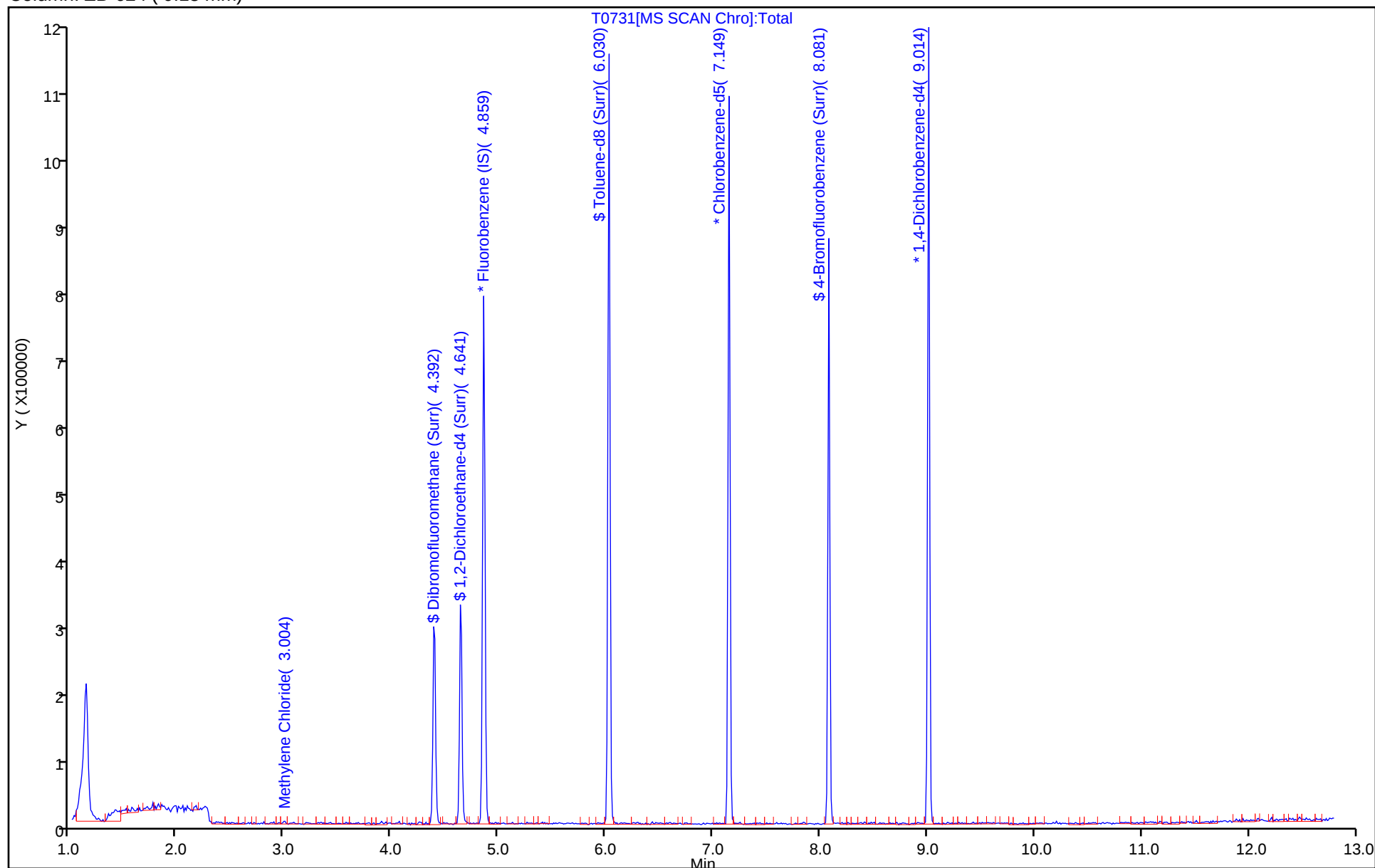
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

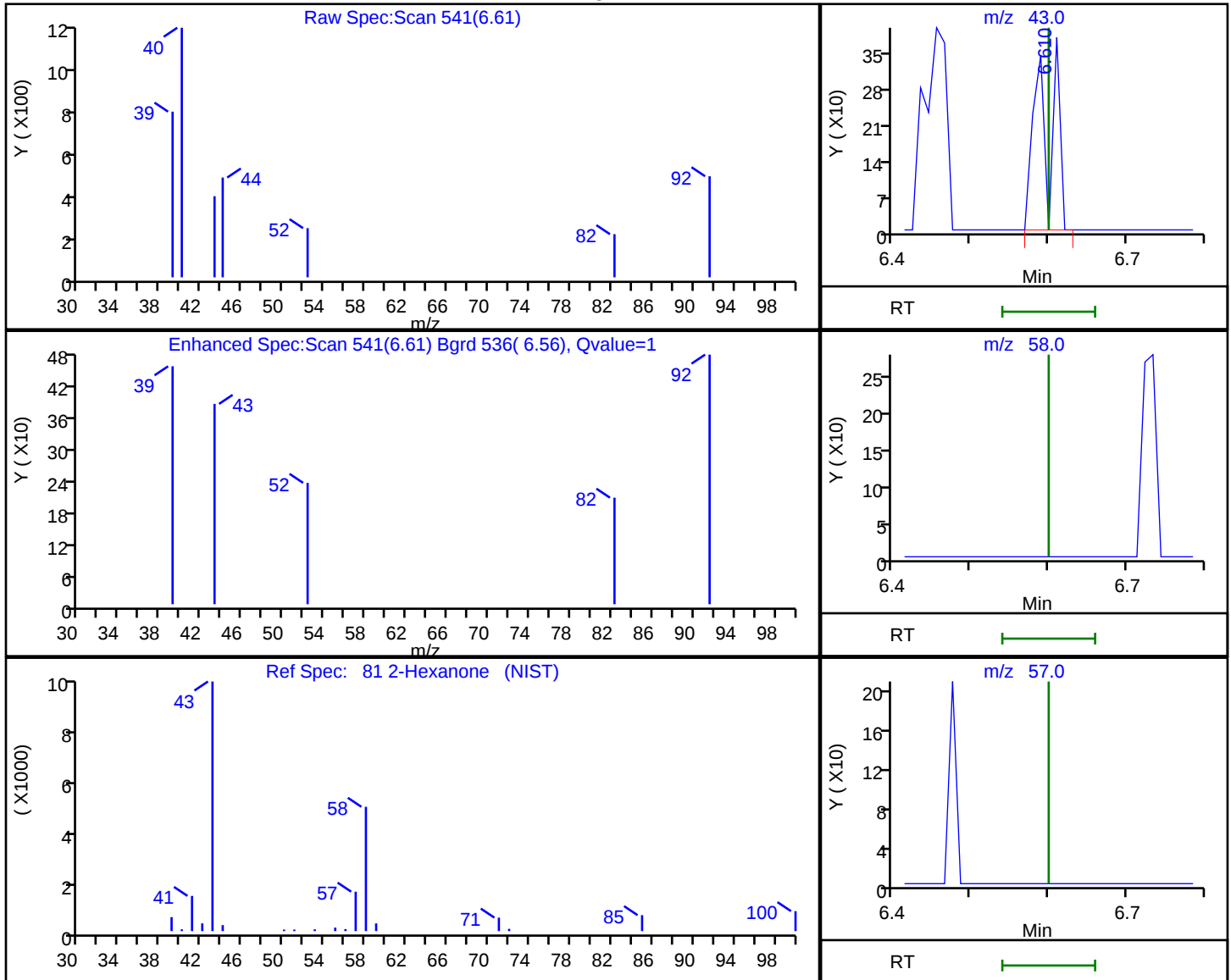


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0731.D
Injection Date: 09-May-2019 23:42:30 Instrument ID: HP5975T
Lims ID: MB
Client ID:
Operator ID: AEM ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

81 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
6.61	43.00	590	0.175931
6.60	58.00	0	
6.60	57.00	0	

Reviewer: milligana, 10-May-2019 00:24:18

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.: 480-152909-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-472206/7
 Matrix: Water Lab File ID: T0756.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/10/2019 12:28
 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.: 472206 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-472206/7
 Matrix: Water Lab File ID: T0756.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/10/2019 12:28
 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.: 472206 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		77-120
460-00-4	4-Bromofluorobenzene (Surr)	117		73-120
1868-53-7	Dibromofluoromethane (Surr)	118		75-123
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0756.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 10-May-2019 12:28:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0080970-007
 Operator ID: kn Instrument ID: HP5975T
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-May-2019 20:15:33 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0326

First Level Reviewer: nowakk

Date: 10-May-2019 12:51:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.858	4.859	-0.001	98	128493	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	87	523938	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	95	298954	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.421	-0.011	91	196501	25.0	29.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	215828	25.0	27.8	
\$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.000	94	672975	25.0	24.2	
\$ 7 4-Bromofluorobenzene (Surr	174	8.081	8.081	-0.001	0	242116	25.0	29.3	
11 Dichlorodifluoromethane	85		1.304					ND	
12 Chlorodifluoromethane	51		1.314					ND	U
13 Chloromethane	50		1.449					ND	
151 Butadiene	54		1.522					ND	U
14 Vinyl chloride	62		1.532					ND	
15 Bromomethane	94		1.801					ND	
16 Chloroethane	64		1.843					ND	
18 Dichlorofluoromethane	67		2.092					ND	
17 Trichlorofluoromethane	101		2.102					ND	
19 Ethyl ether	59		2.309					ND	
148 Ethanol	45		2.330					ND	
84 Propene oxide	58		2.392					ND	
21 Acrolein	56		2.496					ND	
22 1,1-Dichloroethene	96		2.516					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.537					ND	
23 Acetone	43		2.630					ND	U
24 Iodomethane	142		2.682					ND	
25 Carbon disulfide	76		2.703					ND	
26 Isopropyl alcohol	45		2.807					ND	U
27 3-Chloro-1-propene	41		2.858					ND	
28 Methyl acetate	43		2.900					ND	
29 Acetonitrile	40		2.921					ND	
30 Methylene Chloride	84		2.993					ND	
31 2-Methyl-2-propanol	59		3.149					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Methyl tert-butyl ether	73		3.190					ND	
32 trans-1,2-Dichloroethene	96		3.190					ND	
34 Acrylonitrile	53		3.242					ND	
35 Hexane	57		3.345					ND	
36 1,1-Dichloroethane	63		3.553					ND	
37 Isopropyl ether	45		3.563					ND	
139 Halothane	117		3.573					ND	
39 Vinyl acetate	43		3.584					ND	
38 2-Chloro-1,3-butadiene	53		3.594					ND	
40 1,1-Dimethoxyethane	75		3.625					ND	
41 Tert-butyl ethyl ether	59		3.843					ND	
42 2,2-Dichloropropane	77		3.988					ND	
43 cis-1,2-Dichloroethene	96		4.019					ND	
44 2-Butanone (MEK)	43		4.040					ND	
45 Ethyl acetate	43		4.061					ND	
46 Propionitrile	54		4.133					ND	
47 Chlorobromomethane	128		4.216					ND	
48 Tetrahydrofuran	42		4.216					ND	
49 Methacrylonitrile	41		4.216					ND	
50 Chloroform	83		4.268					ND	
51 1,1,1-Trichloroethane	97		4.371					ND	
52 Cyclohexane	56		4.371					ND	
53 Carbon tetrachloride	117		4.475					ND	
54 1,1-Dichloropropene	75		4.475					ND	
152 Isooctane	57		4.641					ND	
55 Benzene	78		4.651					ND	
56 Isobutyl alcohol	43		4.662					ND	
57 1,2-Dichloroethane	62		4.703					ND	
147 t-Amyl alcohol	59		4.703					ND	
58 Tert-amyl methyl ether	73		4.703					ND	
59 n-Heptane	43		4.776					ND	
1 1,4-Difluorobenzene	114		4.942					ND	
141 2,4,4-Trimethyl-1-pentene	55		5.035					ND	
60 Trichloroethene	95		5.128					ND	
61 n-Butanol	56		5.138					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.211					ND	
142 Ethyl acrylate	55		5.211					ND	
62 Methylcyclohexane	83		5.221					ND	
63 1,2-Dichloropropane	63		5.314					ND	
64 Methyl methacrylate	41		5.387					ND	
66 1,4-Dioxane	88		5.428					ND	U
65 Dibromomethane	93		5.428					ND	
67 Dichlorobromomethane	83		5.542					ND	
68 2-Nitropropane	43		5.739					ND	
69 2-Chloroethyl vinyl ether	63		5.750					ND	
70 Epichlorohydrin	57		5.822					ND	
71 cis-1,3-Dichloropropene	75		5.864					ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.967					ND	
73 Toluene	92		6.081					ND	
74 2-Methylthiophene	97		6.185					ND	
75 trans-1,3-Dichloropropene	75		6.289					ND	
77 Ethyl methacrylate	69		6.309					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
76 3-Methylthiophene	97		6.309					ND	
78 1,1,2-Trichloroethane	83		6.434					ND	
79 Tetrachloroethene	166		6.485					ND	
80 1,3-Dichloropropane	76		6.558					ND	
81 2-Hexanone	43		6.599					ND	U
155 n-Butyl acetate	43		6.672					ND	
82 Chlorodibromomethane	129		6.734					ND	
83 Ethylene Dibromide	107		6.817					ND	
146 1-Chlorohexane	55		7.118					ND	
85 3-Chlorobenzotrifluoride	180		7.138					ND	
86 Chlorobenzene	112		7.169					ND	
87 4-Chlorobenzotrifluoride	180		7.180					ND	
88 Ethylbenzene	91		7.232					ND	
89 1,1,1,2-Tetrachloroethane	131		7.242					ND	
90 m-Xylene & p-Xylene	106		7.325					ND	
91 o-Xylene	106		7.646					ND	
92 Styrene	104		7.667					ND	
93 Bromoform	173		7.864					ND	
94 2-Chlorobenzotrifluoride	180		7.864					ND	
95 Isopropylbenzene	105		7.926					ND	
96 Cyclohexanone	55		8.071					ND	
97 Bromobenzene	156		8.206					ND	
98 1,1,2,2-Tetrachloroethane	83		8.237					ND	
99 N-Propylbenzene	91		8.258					ND	
100 1,2,3-Trichloropropane	110		8.268					ND	
101 trans-1,4-Dichloro-2-buten	53		8.268					ND	
105 2-Chlorotoluene	126		8.340					ND	
104 1,3,5-Trimethylbenzene	105		8.392					ND	
103 3-Chlorotoluene	126		8.392					ND	
102 4-Chlorotoluene	91		8.434					ND	
106 tert-Butylbenzene	134		8.651					ND	
107 1,2,4-Trimethylbenzene	105		8.703					ND	
108 Pentachloroethane	167		8.714					ND	
109 sec-Butylbenzene	105		8.828					ND	
111 4-Isopropyltoluene	119		8.952					ND	
110 1,3-Dichlorobenzene	146		8.962					ND	U
112 Dicyclopentadiene	66		9.014					ND	
113 1,4-Dichlorobenzene	146		9.035					ND	U
114 1,2,3-Trimethylbenzene	105		9.056					ND	
150 Benzyl chloride	126		9.159					ND	
115 n-Butylbenzene	91		9.284					ND	
116 1,2-Dichlorobenzene	146		9.346					ND	
117 1,2-Dibromo-3-Chloropropan	75		10.019					ND	
118 1,3,5-Trichlorobenzene	180		10.133					ND	
119 1,2,4-Trichlorobenzene	180		10.662					ND	
120 Hexachlorobutadiene	225		10.765					ND	
121 Naphthalene	128		10.869					ND	
122 1,2,3-Trichlorobenzene	180		11.066					ND	
149 2-Methylnaphthalene	142		11.740					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
137 Methyl acrylate	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

T_8260_Surr_00189

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 10-May-2019 20:15:40

Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0756.D

Injection Date: 10-May-2019 12:28:30

Instrument ID: HP5975T

Operator ID: kn

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

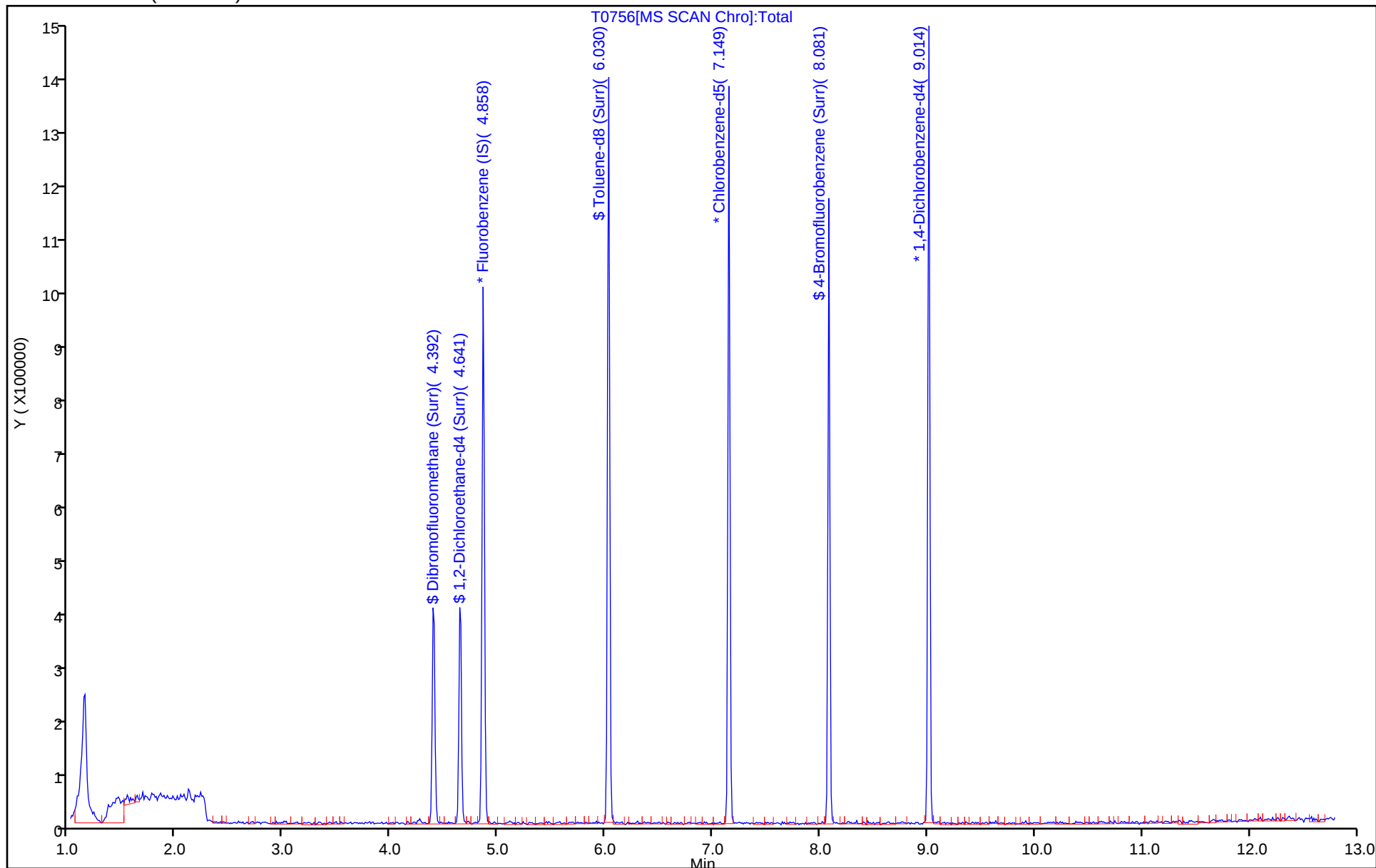
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0756.D

Injection Date: 10-May-2019 12:28:30

Instrument ID: HP5975T

Lims ID: MB

Client ID:

Operator ID: kn

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

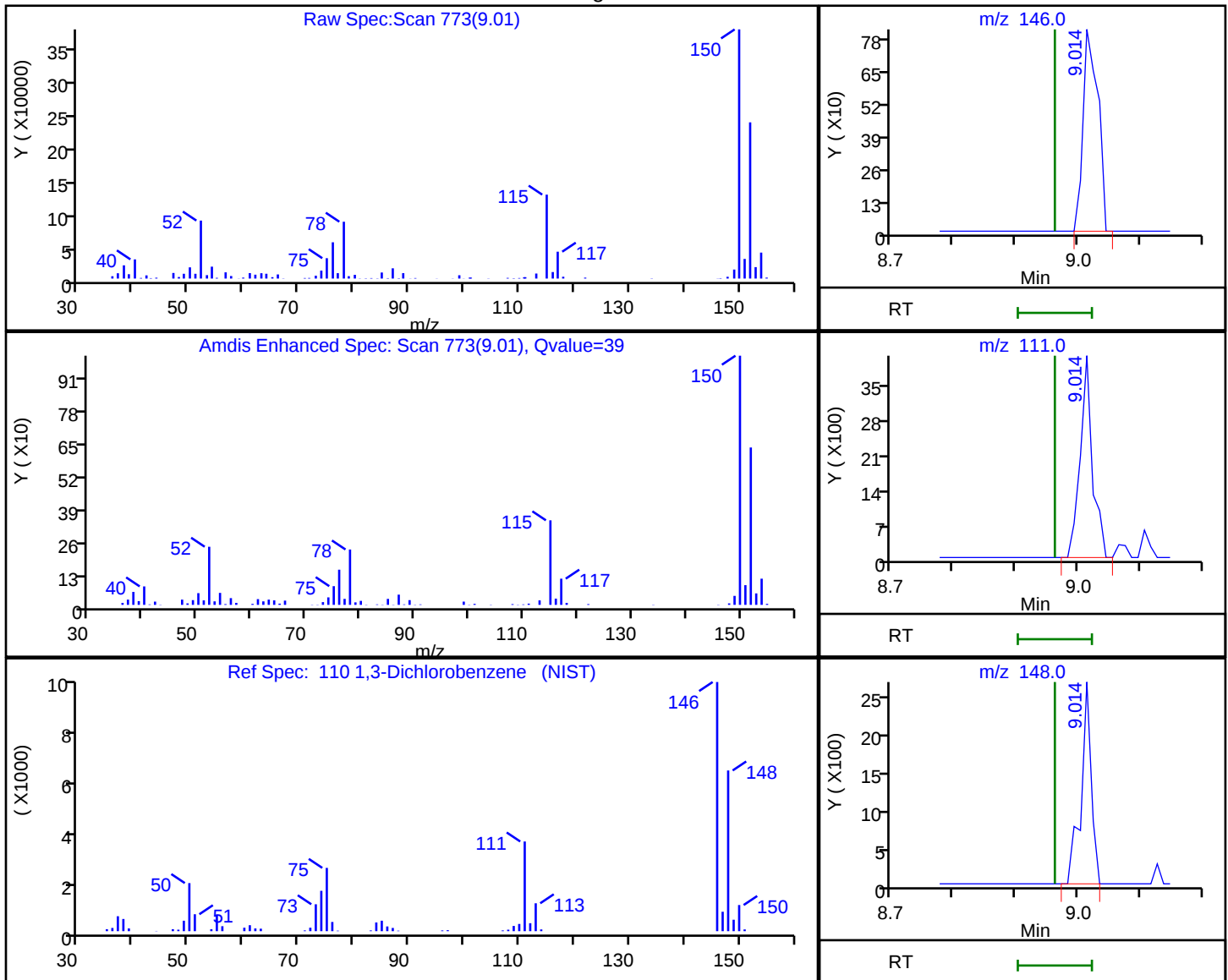
Column: ZB-624 (0.18 mm)

Detector

MS SCAN

110 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
9.01	146.00	1359	0.075413
9.01	111.00	5507	
9.01	148.00	3063	

Reviewer: nowakk, 10-May-2019 12:44:06

Audit Action: Marked Compound Undetected

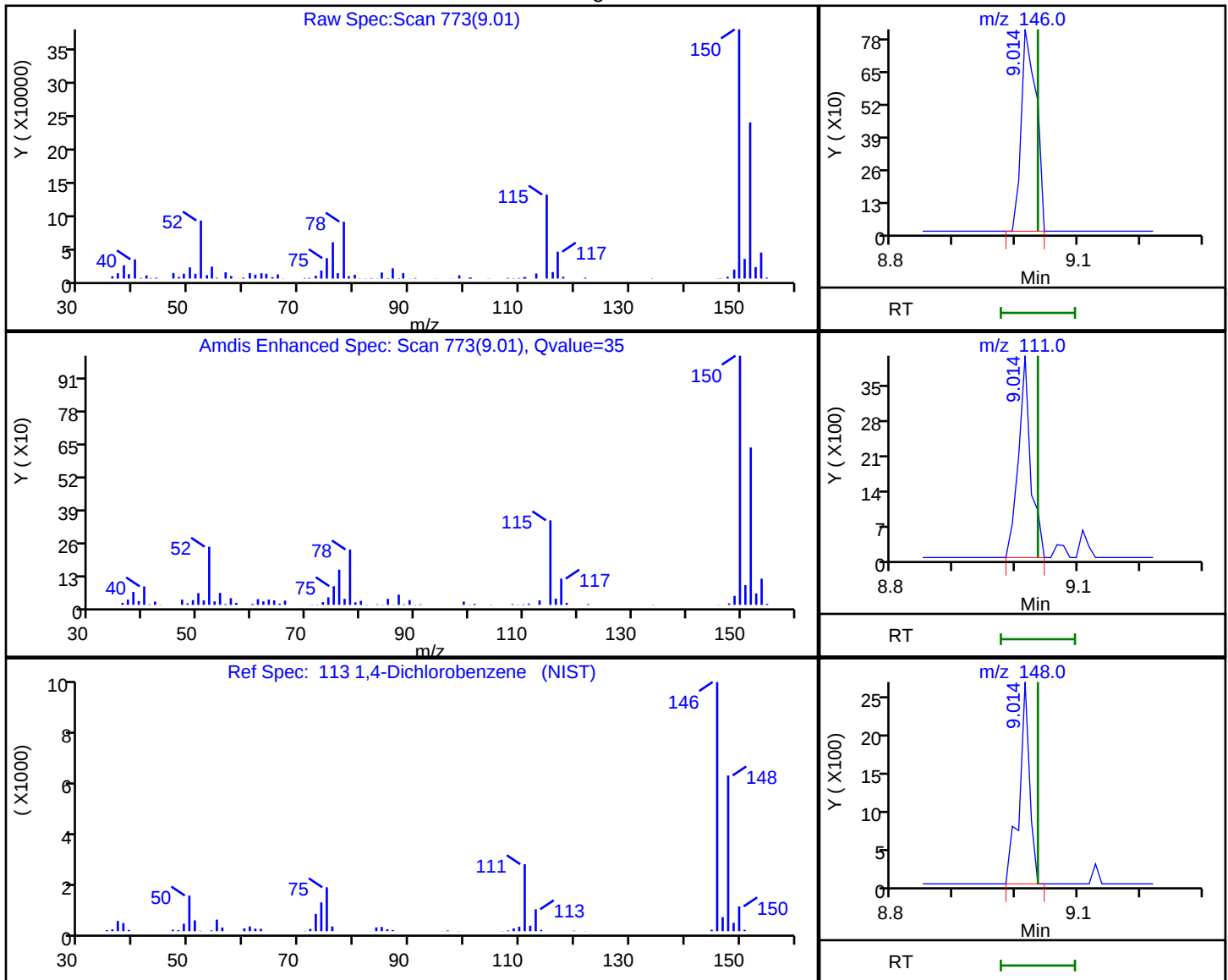
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0756.D
Injection Date: 10-May-2019 12:28:30 Instrument ID: HP5975T
Lims ID: MB
Client ID:
Operator ID: kn ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

113 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
9.01	146.00	1359	0.074833
9.01	111.00	5507	
9.01	148.00	3062	

Reviewer: nowakk, 10-May-2019 12:44:07

Audit Action: Marked Compound Undetected

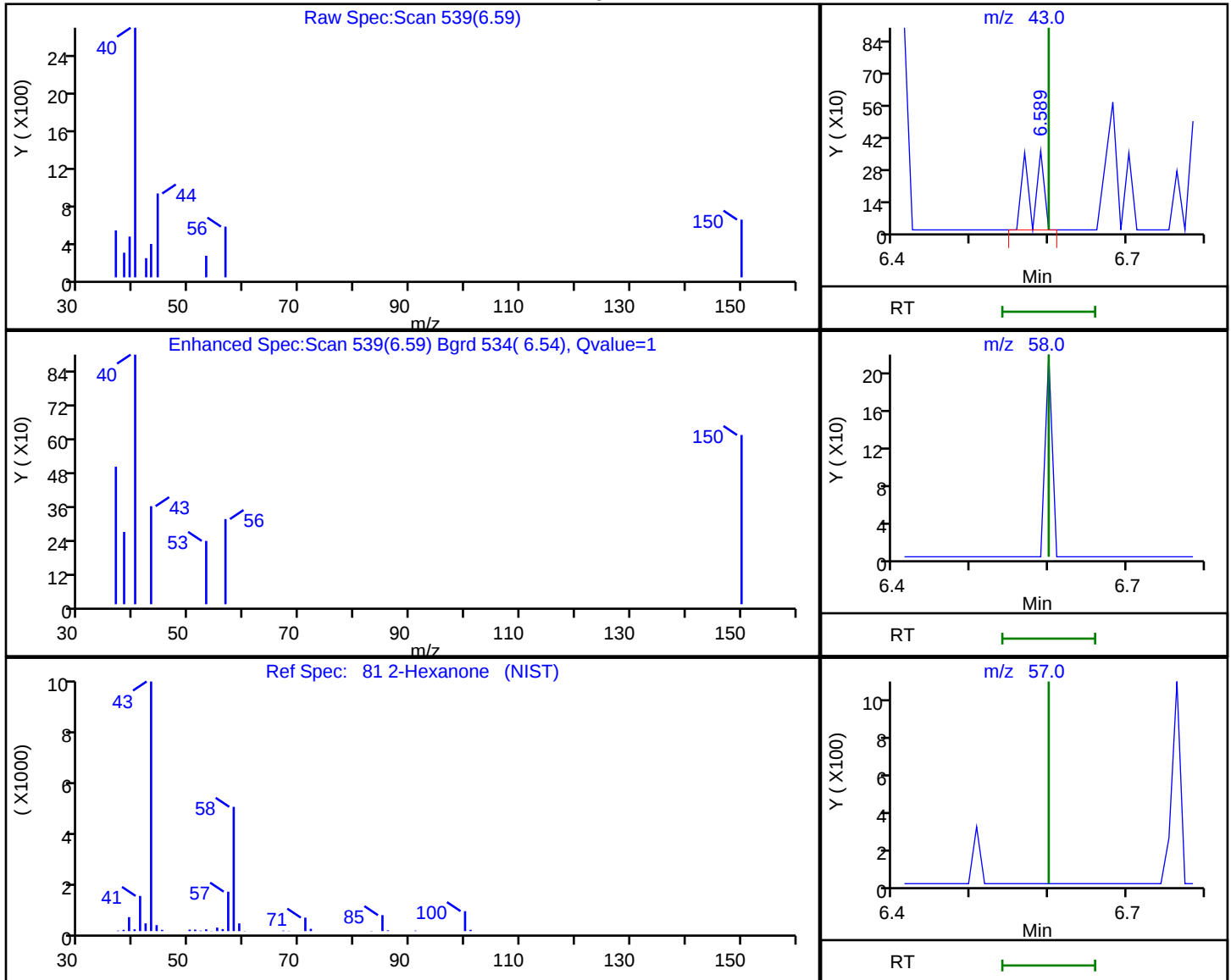
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0756.D
Injection Date: 10-May-2019 12:28:30 Instrument ID: HP5975T
Lims ID: MB
Client ID:
Operator ID: kn ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

81 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
6.59	43.00	430	0.102807
6.60	58.00	0	
6.60	57.00	0	

Reviewer: nowakk, 10-May-2019 12:44:04

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0756.D

Injection Date: 10-May-2019 12:28:30

Instrument ID: HP5975T

Lims ID: MB

Client ID:

Operator ID: kn

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

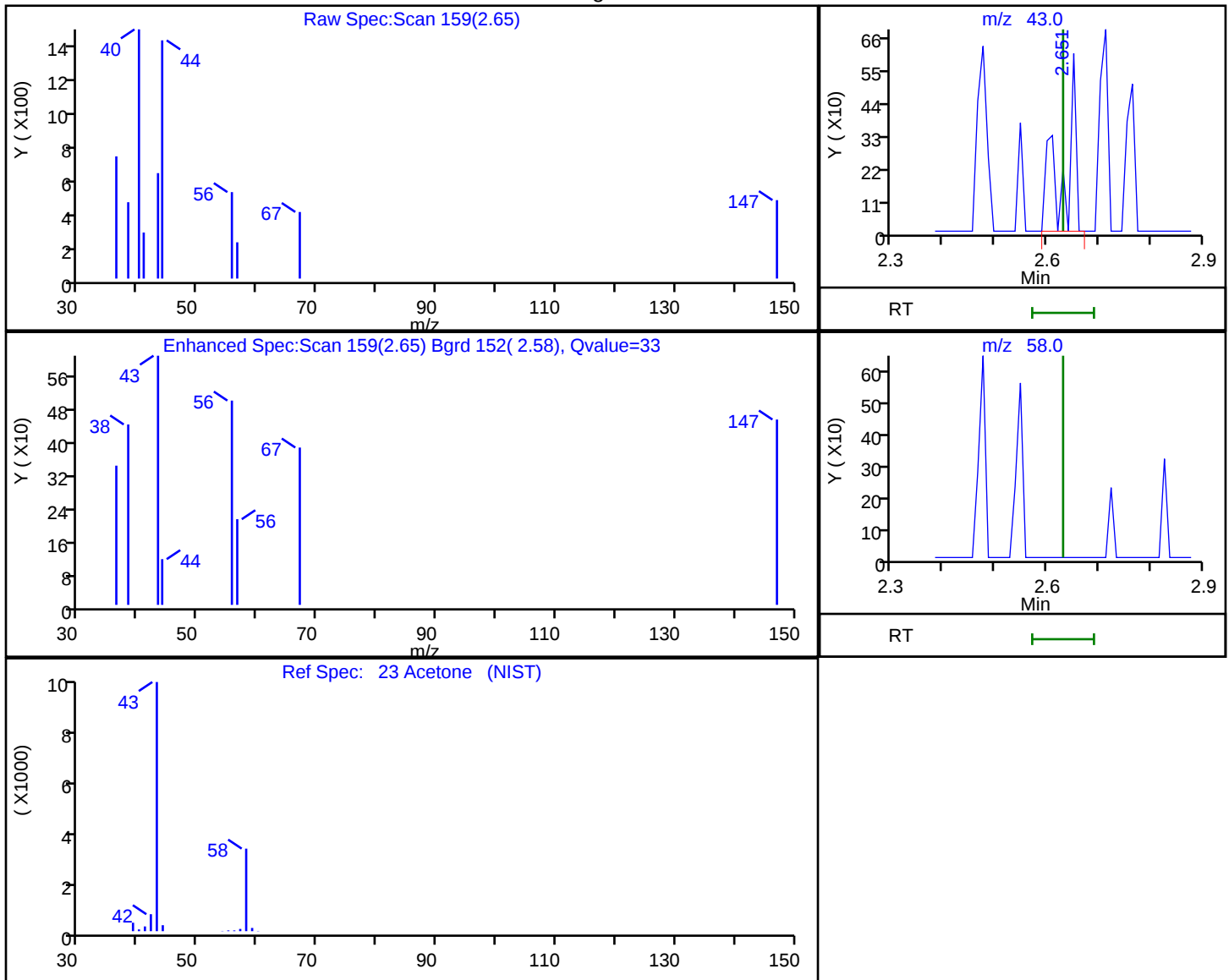
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.65	43.00	902	0.482980
2.63	58.00	0	

Reviewer: nowakk, 10-May-2019 12:43:57

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.: 480-152909-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-472381/7

Matrix: Water Lab File ID: S4822.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 05/11/2019 12:56

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 472381 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-472381/7
 Matrix: Water Lab File ID: S4822.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/11/2019 12:56
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472381 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	87		73-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4822.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 11-May-2019 12:56:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0081008-007
 Operator ID: AEM Instrument ID: HP5973S
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-May-2019 13:20:01 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0304

First Level Reviewer: milligana

Date: 11-May-2019 13:20:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	98	122467	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.460	0.006	85	269157	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	94	254075	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	58	156712	25.0	23.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.193	0.000	92	105463	25.0	25.5	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.981	0.000	92	627929	25.0	23.4	
\$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.726	0.000	88	179753	25.0	21.8	
10 Dichlorodifluoromethane	85		1.270					ND	
11 Chlorodifluoromethane	51		1.294					ND	
12 Chloromethane	50		1.446					ND	
13 Vinyl chloride	62		1.549					ND	
151 Butadiene	54		1.556					ND	
14 Bromomethane	94		1.841					ND	
15 Chloroethane	64		1.939					ND	
16 Dichlorofluoromethane	67		2.164					ND	
17 Trichlorofluoromethane	101		2.170					ND	
18 Ethyl ether	59		2.450					ND	
148 Ethanol	45		2.480					ND	
19 Propene oxide	58		2.547					ND	
20 Acrolein	56		2.638					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.669					ND	
22 1,1-Dichloroethene	96		2.675					ND	
23 Acetone	43		2.797					ND	
25 Iodomethane	142		2.833					ND	
26 Carbon disulfide	76		2.876					ND	
24 Isopropyl alcohol	45		2.991					ND	
28 3-Chloro-1-propene	41		3.046					ND	
27 Methyl acetate	43		3.101					ND	
29 Acetonitrile	40		3.119					ND	
30 Methylene Chloride	84		3.198					ND	
31 2-Methyl-2-propanol	59		3.375					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		3.411					ND	
34 trans-1,2-Dichloroethene	96		3.429					ND	
33 Acrylonitrile	53		3.490					ND	
35 Hexane	57		3.618					ND	
139 Halothane	117		3.822					ND	
39 1,1-Dichloroethane	63		3.849					ND	
36 Isopropyl ether	45		3.861					ND	
37 Vinyl acetate	43		3.904					ND	
40 2-Chloro-1,3-butadiene	53		3.910					ND	
38 1,1-Dimethoxyethane	75		3.934					ND	
41 Tert-butyl ethyl ether	59		4.202					ND	
44 2,2-Dichloropropane	77		4.372					ND	
45 cis-1,2-Dichloroethene	96		4.409					ND	
43 2-Butanone (MEK)	43		4.451					ND	
42 Ethyl acetate	43		4.476					ND	
46 Propionitrile	54		4.561					ND	
48 Chlorobromomethane	128		4.646					ND	
47 Methacrylonitrile	41		4.664					ND	
49 Tetrahydrofuran	42		4.664					ND	
50 Chloroform	83		4.725					ND	
51 1,1,1-Trichloroethane	97		4.835					ND	
52 Cyclohexane	56		4.841					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.871					ND	
55 Carbon tetrachloride	117		4.975					ND	
54 1,1-Dichloropropene	75		4.987					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
152 Isooctane	57		5.181					ND	
57 Benzene	78		5.194					ND	
53 Isobutyl alcohol	43		5.218					ND	
56 Tert-amyl methyl ether	73		5.266					ND	
58 1,2-Dichloroethane	62		5.267					ND	
147 t-Amyl alcohol	59		5.273					ND	
59 n-Heptane	43		5.370					ND	
1 1,4-Difluorobenzene	114		5.577					ND	
62 Trichloroethene	95		5.802					ND	
60 n-Butanol	56		5.844					ND	
64 Methylcyclohexane	83		5.917					ND	
142 Ethyl acrylate	55		5.930					ND	
65 1,2-Dichloropropane	63		6.051					ND	
63 Methyl methacrylate	41		6.149					ND	
67 Dibromomethane	93		6.191					ND	
66 1,4-Dioxane	88		6.191					ND	
68 Dichlorobromomethane	83		6.343					ND	
70 2-Nitropropane	43		6.605					ND	
69 2-Chloroethyl vinyl ether	63		6.623					ND	
71 Epichlorohydrin	57		6.720					ND	
72 cis-1,3-Dichloropropene	75		6.757					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.903					ND	
74 Toluene	92		7.043					ND	
76 2-Methylthiophene	97		7.183					ND	
77 trans-1,3-Dichloropropene	75		7.329					ND	
78 3-Methylthiophene	97		7.347					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		7.371					ND	
79 1,1,2-Trichloroethane	83		7.517					ND	
81 Tetrachloroethene	166		7.572					ND	
82 1,3-Dichloropropane	76		7.682					ND	
80 2-Hexanone	43		7.749					ND	
155 n-Butyl acetate	43		7.852					ND	
83 Chlorodibromomethane	129		7.919					ND	
84 Ethylene Dibromide	107		8.022					ND	
146 1-Chlorohexane	55		8.442					ND	U
85 3-Chlorobenzotrifluoride	180		8.460					ND	
87 Chlorobenzene	112		8.497					ND	
86 4-Chlorobenzotrifluoride	180		8.527					ND	
88 Ethylbenzene	91		8.582					ND	
89 1,1,1,2-Tetrachloroethane	131		8.594					ND	
90 m-Xylene & p-Xylene	106		8.704					ND	
91 o-Xylene	106		9.136					ND	
92 Styrene	104		9.166					ND	
95 Bromoform	173		9.416					ND	
93 2-Chlorobenzotrifluoride	180		9.446					ND	
94 Isopropylbenzene	105		9.519					ND	
96 Cyclohexanone	55		9.701					ND	
101 Bromobenzene	156		9.866					ND	
97 1,1,2,2-Tetrachloroethane	83		9.927					ND	
99 N-Propylbenzene	91		9.945					ND	
100 1,2,3-Trichloropropane	110		9.957					ND	
98 trans-1,4-Dichloro-2-buten	53		9.969					ND	
103 2-Chlorotoluene	126		10.048					ND	
104 3-Chlorotoluene	126		10.115					ND	
102 1,3,5-Trimethylbenzene	105		10.121					ND	
105 4-Chlorotoluene	126		10.158					ND	
106 tert-Butylbenzene	134		10.438					ND	
107 1,2,4-Trimethylbenzene	105		10.492					ND	
108 Pentachloroethane	167		10.498					ND	
109 sec-Butylbenzene	105		10.644					ND	
111 1,3-Dichlorobenzene	146		10.784					ND	
110 4-Isopropyltoluene	119		10.784					ND	
114 Dicyclopentadiene	66		10.845					ND	
113 1,4-Dichlorobenzene	146		10.870					ND	
112 1,2,3-Trimethylbenzene	105		10.900					ND	
150 Benzyl chloride	126		11.022					ND	
115 n-Butylbenzene	91		11.168					ND	
116 1,2-Dichlorobenzene	146		11.222					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.952					ND	
118 1,3,5-Trichlorobenzene	180		12.080					ND	
119 1,2,4-Trichlorobenzene	180		12.622					ND	
120 Hexachlorobutadiene	225		12.731					ND	
121 Naphthalene	128		12.841					ND	
122 1,2,3-Trichlorobenzene	180		13.041					ND	
149 2-Methylnaphthalene	142		13.753					ND	
145 Ethylene oxide TIC	1		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
143 Propene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00318

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00315

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4822.D

Injection Date: 11-May-2019 12:56:30

Instrument ID: HP5973S

Operator ID: AEM

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

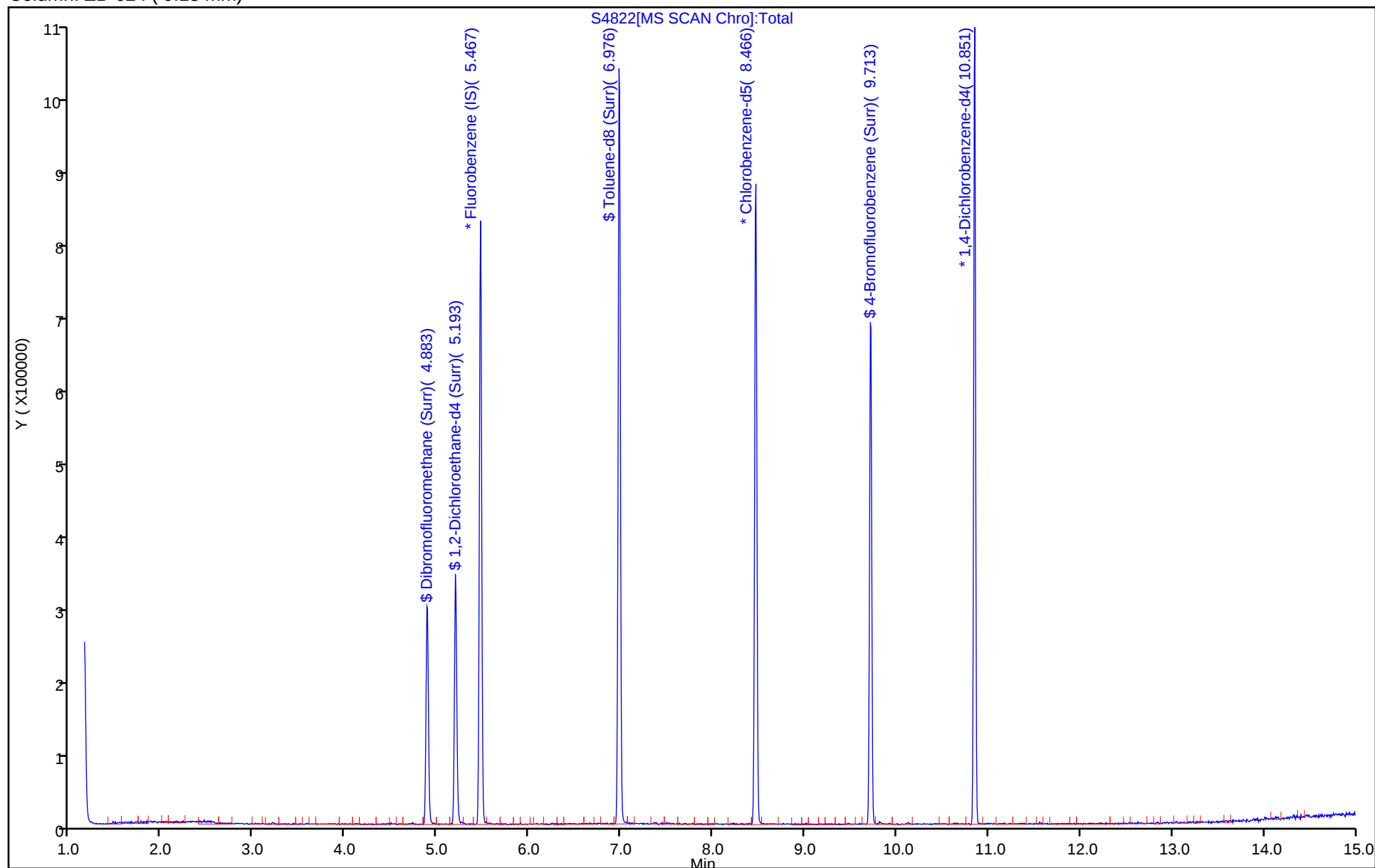
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-472454/8

Matrix: Water Lab File ID: S4937.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 05/13/2019 10:51

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.: 472454 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-472454/8
 Matrix: Water Lab File ID: S4937.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/13/2019 10:51
 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.: 472454 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	87		73-120
1868-53-7	Dibromofluoromethane (Surr)	92		75-123
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4937.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 13-May-2019 10:51:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0081028-008
 Operator ID: AM Instrument ID: HP5973S
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 13-May-2019 19:11:52 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: moffata

Date: 13-May-2019 11:20:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	99290	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	84	188691	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	94	167920	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.889	4.883	0.006	54	124333	25.0	23.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.193	0.000	92	77807	25.0	23.2	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	92	464424	25.0	24.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	88	125038	25.0	21.6	
10 Dichlorodifluoromethane	85		1.276					ND	
11 Chlorodifluoromethane	51		1.294					ND	
12 Chloromethane	50		1.452					ND	
13 Vinyl chloride	62		1.549					ND	
151 Butadiene	54		1.555					ND	
14 Bromomethane	94		1.841					ND	
15 Chloroethane	64		1.951					ND	
16 Dichlorofluoromethane	67		2.170					ND	
17 Trichlorofluoromethane	101		2.170					ND	
18 Ethyl ether	59		2.456					ND	
148 Ethanol	45		2.468					ND	
19 Propene oxide	58		2.547					ND	
20 Acrolein	56		2.644					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.675					ND	
22 1,1-Dichloroethene	96		2.675					ND	
23 Acetone	43		2.803					ND	
25 Iodomethane	142		2.863					ND	
26 Carbon disulfide	76		2.888					ND	
24 Isopropyl alcohol	45		2.991					ND	
28 3-Chloro-1-propene	41		3.052					ND	
27 Methyl acetate	43		3.101					ND	
29 Acetonitrile	40		3.119					ND	U
30 Methylene Chloride	84		3.204					ND	
31 2-Methyl-2-propanol	59		3.374					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		3.411					ND	
34 trans-1,2-Dichloroethene	96		3.429					ND	
33 Acrylonitrile	53		3.490					ND	
35 Hexane	57		3.624					ND	
139 Halothane	117		3.822					ND	
39 1,1-Dichloroethane	63		3.855					ND	
36 Isopropyl ether	45		3.861					ND	
40 2-Chloro-1,3-butadiene	53		3.910					ND	
37 Vinyl acetate	43		3.910					ND	
38 1,1-Dimethoxyethane	75		3.940					ND	
41 Tert-butyl ethyl ether	59		4.202					ND	
44 2,2-Dichloropropane	77		4.372					ND	
45 cis-1,2-Dichloroethene	96		4.415					ND	
43 2-Butanone (MEK)	43		4.451					ND	
42 Ethyl acetate	43		4.482					ND	
46 Propionitrile	54		4.561					ND	
48 Chlorobromomethane	128		4.646					ND	
47 Methacrylonitrile	41		4.664					ND	
49 Tetrahydrofuran	42		4.664					ND	
50 Chloroform	83		4.731					ND	
51 1,1,1-Trichloroethane	97		4.835					ND	
52 Cyclohexane	56		4.841					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.871					ND	
55 Carbon tetrachloride	117		4.974					ND	
54 1,1-Dichloropropene	75		4.987					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
152 Isooctane	57		5.181					ND	
57 Benzene	78		5.193					ND	
53 Isobutyl alcohol	43		5.218					ND	
58 1,2-Dichloroethane	62		5.266					ND	
56 Tert-amyl methyl ether	73		5.273					ND	
147 t-Amyl alcohol	59		5.279					ND	
59 n-Heptane	43		5.370					ND	
1 1,4-Difluorobenzene	114		5.577					ND	
62 Trichloroethene	95		5.808					ND	
60 n-Butanol	56		5.838					ND	
64 Methylcyclohexane	83		5.924					ND	
142 Ethyl acrylate	55		5.936					ND	
65 1,2-Dichloropropane	63		6.051					ND	
63 Methyl methacrylate	41		6.149					ND	
67 Dibromomethane	93		6.191					ND	
66 1,4-Dioxane	88		6.191					ND	
68 Dichlorobromomethane	83		6.343					ND	
70 2-Nitropropane	43		6.599					ND	
69 2-Chloroethyl vinyl ether	63		6.623					ND	
71 Epichlorohydrin	57		6.720					ND	
72 cis-1,3-Dichloropropene	75		6.757					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.903					ND	
74 Toluene	92		7.043					ND	
76 2-Methylthiophene	97		7.183					ND	
77 trans-1,3-Dichloropropene	75		7.329					ND	
78 3-Methylthiophene	97		7.347					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		7.371					ND	
79 1,1,2-Trichloroethane	83		7.517					ND	
81 Tetrachloroethene	166		7.572					ND	
82 1,3-Dichloropropane	76		7.682					ND	
80 2-Hexanone	43		7.749					ND	
155 n-Butyl acetate	43		7.852					ND	
83 Chlorodibromomethane	129		7.919					ND	
84 Ethylene Dibromide	107		8.022					ND	
146 1-Chlorohexane	55		8.442					ND	U
85 3-Chlorobenzotrifluoride	180		8.460					ND	
87 Chlorobenzene	112		8.497					ND	
86 4-Chlorobenzotrifluoride	180		8.527					ND	
88 Ethylbenzene	91		8.582					ND	
89 1,1,1,2-Tetrachloroethane	131		8.594					ND	
90 m-Xylene & p-Xylene	106		8.704					ND	
91 o-Xylene	106		9.136					ND	
92 Styrene	104		9.166					ND	
95 Bromoform	173		9.422					ND	
93 2-Chlorobenzotrifluoride	180		9.446					ND	
94 Isopropylbenzene	105		9.519					ND	
96 Cyclohexanone	55		9.695					ND	
101 Bromobenzene	156		9.866					ND	
97 1,1,2,2-Tetrachloroethane	83		9.926					ND	
99 N-Propylbenzene	91		9.945					ND	
100 1,2,3-Trichloropropane	110		9.957					ND	
98 trans-1,4-Dichloro-2-buten	53		9.975					ND	
103 2-Chlorotoluene	126		10.048					ND	
104 3-Chlorotoluene	126		10.115					ND	
102 1,3,5-Trimethylbenzene	105		10.121					ND	
105 4-Chlorotoluene	126		10.164					ND	
106 tert-Butylbenzene	134		10.438					ND	
107 1,2,4-Trimethylbenzene	105		10.492					ND	
108 Pentachloroethane	167		10.498					ND	
109 sec-Butylbenzene	105		10.644					ND	
111 1,3-Dichlorobenzene	146		10.784					ND	
110 4-Isopropyltoluene	119		10.784					ND	
114 Dicyclopentadiene	66		10.845					ND	
113 1,4-Dichlorobenzene	146		10.869					ND	
112 1,2,3-Trimethylbenzene	105		10.900					ND	
150 Benzyl chloride	126		11.021					ND	
115 n-Butylbenzene	91		11.168					ND	
116 1,2-Dichlorobenzene	146		11.222					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.952					ND	
118 1,3,5-Trichlorobenzene	180		12.080					ND	
119 1,2,4-Trichlorobenzene	180		12.622					ND	
120 Hexachlorobutadiene	225		12.731					ND	
121 Naphthalene	128		12.841					ND	
122 1,2,3-Trichlorobenzene	180		13.041					ND	
149 2-Methylnaphthalene	142		13.753					ND	
143 Propene oxide TIC	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
137 Methyl acrylate	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
144 1-Bromopropane TIC	1		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00319	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00315	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4937.D

Injection Date: 13-May-2019 10:51:30

Instrument ID: HP5973S

Operator ID: AM

Lims ID: MB

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

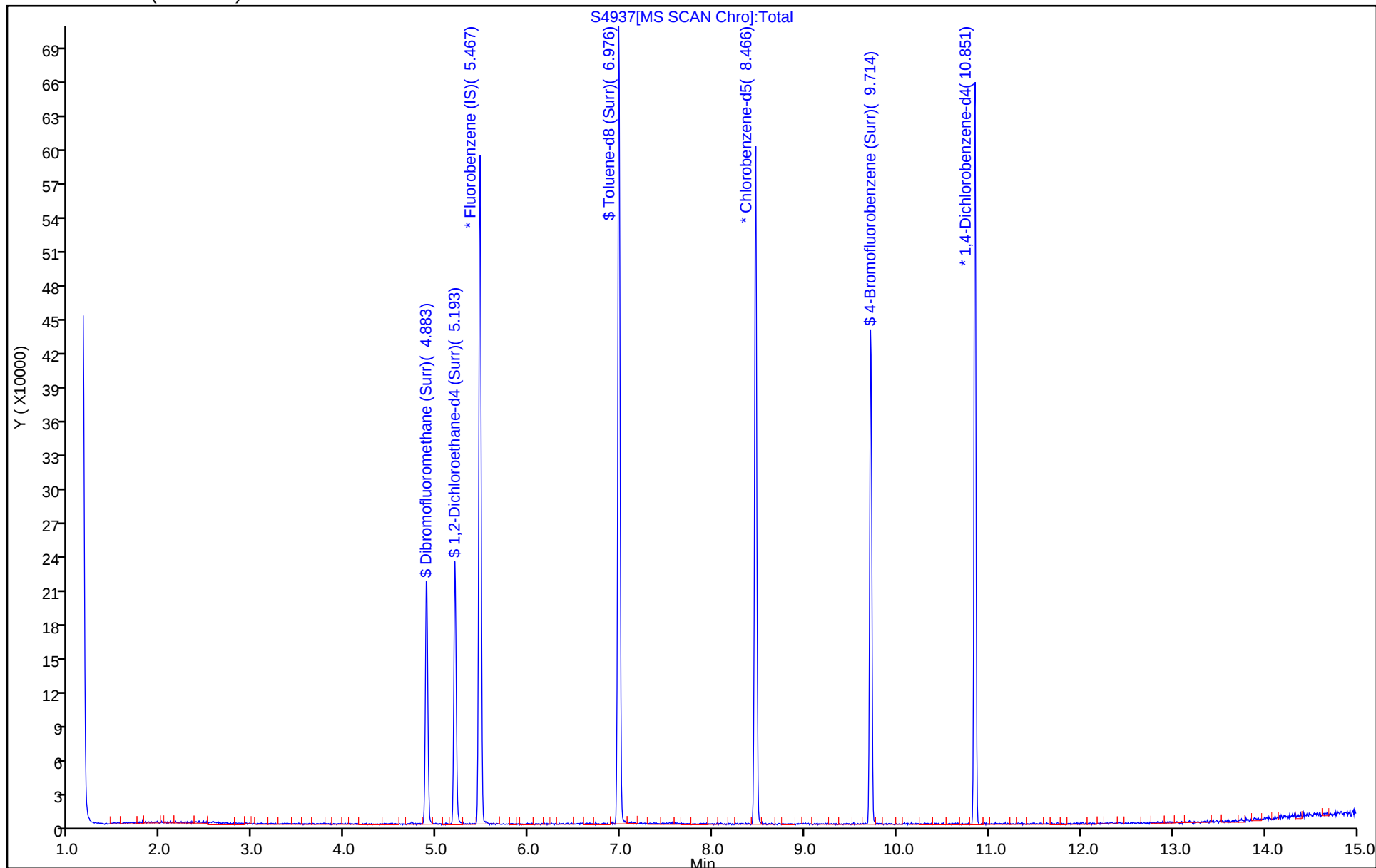
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-472168/5
 Matrix: Water Lab File ID: T0727.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/09/2019 22:04
 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.: 472168 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	30.4		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.1		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	27.0		1.0	0.31
79-00-5	1,1,2-Trichloroethane	23.4		1.0	0.23
75-34-3	1,1-Dichloroethane	26.6		1.0	0.38
75-35-4	1,1-Dichloroethene	23.0		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.2		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	23.6		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	24.5		1.0	0.39
106-93-4	1,2-Dibromoethane	23.4		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.2		1.0	0.79
107-06-2	1,2-Dichloroethane	27.7		1.0	0.21
78-87-5	1,2-Dichloropropane	28.8		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	24.2		1.0	0.77
541-73-1	1,3-Dichlorobenzene	24.3		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.0		1.0	0.84
78-93-3	2-Butanone (MEK)	127		10	1.3
591-78-6	2-Hexanone	140		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	133		5.0	2.1
67-64-1	Acetone	134		10	3.0
71-43-2	Benzene	25.9		1.0	0.41
75-27-4	Bromodichloromethane	29.4		1.0	0.39
75-25-2	Bromoform	38.5		1.0	0.26
74-83-9	Bromomethane	26.1		1.0	0.69
75-15-0	Carbon disulfide	25.9		1.0	0.19
56-23-5	Carbon tetrachloride	32.8		1.0	0.27
108-90-7	Chlorobenzene	23.7		1.0	0.75
75-00-3	Chloroethane	32.0		1.0	0.32
67-66-3	Chloroform	26.6		1.0	0.34
74-87-3	Chloromethane	26.4		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	26.0		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	28.6		1.0	0.36
110-82-7	Cyclohexane	31.2		1.0	0.18
124-48-1	Dibromochloromethane	32.0		1.0	0.32
75-71-8	Dichlorodifluoromethane	26.4		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-472168/5
 Matrix: Water Lab File ID: T0727.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/09/2019 22:04
 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.: 472168 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	25.6		1.0	0.74
98-82-8	Isopropylbenzene	24.8		1.0	0.79
79-20-9	Methyl acetate	45.8		2.5	1.3
1634-04-4	Methyl tert-butyl ether	23.6		1.0	0.16
108-87-2	Methylcyclohexane	28.3		1.0	0.16
75-09-2	Methylene Chloride	24.7		1.0	0.44
103-65-1	N-Propylbenzene	24.3		1.0	0.69
100-42-5	Styrene	25.9		1.0	0.73
127-18-4	Tetrachloroethene	28.3		1.0	0.36
108-88-3	Toluene	24.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.1		1.0	0.37
79-01-6	Trichloroethene	26.4		1.0	0.46
75-69-4	Trichlorofluoromethane	24.1		1.0	0.88
75-01-4	Vinyl chloride	26.3		1.0	0.90
1330-20-7	Xylenes, Total	52.2		2.0	0.66

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

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0727.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 09-May-2019 22:04:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0080959-005
 Operator ID: AEM Instrument ID: HP5975T
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-May-2019 22:36:18 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0316

First Level Reviewer: milligana

Date: 09-May-2019 22:36:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.859	4.859	0.000	98	104819	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	89	416673	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	96	236361	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	90	151046	25.0	27.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	175420	25.0	27.7	
\$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.000	95	574113	25.0	25.9	
\$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.081	0.001	0	182942	25.0	27.8	
11 Dichlorodifluoromethane	85	1.273	1.273	0.000	99	150288	25.0	26.4	
13 Chloromethane	50	1.428	1.428	0.000	99	196772	25.0	26.4	
151 Butadiene	54	1.501	1.501	0.000	92	177356	25.0	28.0	
14 Vinyl chloride	62	1.522	1.511	0.011	96	177589	25.0	26.3	
15 Bromomethane	94	1.781	1.781	0.000	94	148905	25.0	26.1	
16 Chloroethane	64	1.833	1.832	0.001	96	124556	25.0	32.0	
17 Trichlorofluoromethane	101	2.071	2.071	0.000	62	248267	25.0	24.1	
18 Dichlorofluoromethane	67	2.071	2.071	0.000	94	272033	25.0	27.2	
19 Ethyl ether	59	2.299	2.299	0.000	96	96437	25.0	20.4	
21 Acrolein	56	2.475	2.475	0.000	97	85144	125.0	97.4	
20 1,1,2-Trichloro-1,2,2-trif	101	2.527	2.506	0.021	76	125094	25.0	27.0	
22 1,1-Dichloroethene	96	2.506	2.506	0.000	95	112377	25.0	23.0	
23 Acetone	43	2.620	2.620	0.000	98	204232	125.0	134.1	
24 Iodomethane	142	2.662	2.662	0.000	100	220910	25.0	23.8	
25 Carbon disulfide	76	2.693	2.693	0.000	99	427751	25.0	25.9	
27 3-Chloro-1-propene	41	2.848	2.848	0.000	84	225080	25.0	25.1	
28 Methyl acetate	43	2.879	2.879	0.000	98	178697	50.0	45.8	
30 Methylene Chloride	84	2.983	2.983	0.000	97	154405	25.0	24.7	
31 2-Methyl-2-propanol	59	3.138	3.149	-0.011	62	87766	250.0	251.4	
33 Methyl tert-butyl ether	73	3.169	3.169	0.000	89	327628	25.0	23.6	
32 trans-1,2-Dichloroethene	96	3.180	3.180	0.000	97	138394	25.0	24.3	
34 Acrylonitrile	53	3.232	3.231	0.001	97	462370	250.0	231.6	
35 Hexane	57	3.335	3.335	0.000	95	224333	25.0	29.7	
36 1,1-Dichloroethane	63	3.543	3.542	0.001	96	253615	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
39 Vinyl acetate	43	3.574	3.584	-0.010	97	508305	50.0	57.8	
42 2,2-Dichloropropane	77	3.988	3.988	0.000	82	168958	25.0	25.8	
43 cis-1,2-Dichloroethene	96	4.009	4.009	0.000	84	160871	25.0	26.0	
44 2-Butanone (MEK)	43	4.030	4.029	0.001	100	306594	125.0	127.0	
47 Chlorobromomethane	128	4.206	4.206	0.000	93	80449	25.0	25.7	
48 Tetrahydrofuran	42	4.216	4.216	0.000	94	82621	50.0	51.2	
50 Chloroform	83	4.268	4.268	0.000	95	251880	25.0	26.6	
51 1,1,1-Trichloroethane	97	4.361	4.361	0.000	97	207579	25.0	30.4	
52 Cyclohexane	56	4.361	4.371	-0.010	98	278413	25.0	31.2	
53 Carbon tetrachloride	117	4.475	4.475	0.000	66	150477	25.0	32.8	
54 1,1-Dichloropropene	75	4.475	4.475	0.000	89	201243	25.0	27.6	
55 Benzene	78	4.641	4.641	0.000	96	566554	25.0	25.9	
56 Isobutyl alcohol	43	4.651	4.651	0.000	45	92322	625.0	747.0	
57 1,2-Dichloroethane	62	4.703	4.703	0.000	97	220827	25.0	27.7	
59 n-Heptane	43	4.776	4.776	0.000	96	252060	25.0	30.1	
60 Trichloroethene	95	5.128	5.128	0.000	93	147495	25.0	26.4	
62 Methylcyclohexane	83	5.221	5.221	0.000	95	247965	25.0	28.3	
63 1,2-Dichloropropane	63	5.315	5.314	0.001	91	154084	25.0	28.8	
66 1,4-Dioxane	88	5.429	5.429	0.001	62	24182	500.0	449.2	Ma
65 Dibromomethane	93	5.429	5.428	0.001	94	91043	25.0	26.0	
67 Dichlorobromomethane	83	5.543	5.542	0.001	97	185925	25.0	29.4	
69 2-Chloroethyl vinyl ether	63	5.750	5.750	0.000	94	89707	25.0	25.3	
71 cis-1,3-Dichloropropene	75	5.854	5.853	0.001	89	211657	25.0	28.6	
72 4-Methyl-2-pentanone (MIBK)	43	5.968	5.967	0.001	98	688492	125.0	133.3	
73 Toluene	92	6.082	6.081	0.001	96	346185	25.0	24.3	
75 trans-1,3-Dichloropropene	75	6.289	6.289	0.000	98	173434	25.0	25.1	
77 Ethyl methacrylate	69	6.309	6.309	0.000	91	148410	25.0	29.0	
78 1,1,2-Trichloroethane	83	6.434	6.434	0.000	92	99546	25.0	23.4	
79 Tetrachloroethene	166	6.475	6.485	-0.010	95	157925	25.0	28.3	
80 1,3-Dichloropropane	76	6.558	6.558	0.000	94	205929	25.0	24.6	
81 2-Hexanone	43	6.600	6.599	0.001	99	466337	125.0	140.2	
82 Chlorodibromomethane	129	6.734	6.734	0.000	89	112459	25.0	32.0	
83 Ethylene Dibromide	107	6.817	6.817	0.000	97	114882	25.0	23.4	
86 Chlorobenzene	112	7.170	7.169	0.001	91	389691	25.0	23.7	
88 Ethylbenzene	91	7.232	7.232	0.000	98	677927	25.0	25.6	
89 1,1,1,2-Tetrachloroethane	131	7.242	7.242	0.000	90	118193	25.0	29.1	
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	277934	25.0	26.5	
91 o-Xylene	106	7.646	7.646	0.000	98	259962	25.0	25.7	
92 Styrene	104	7.667	7.667	0.000	95	447148	25.0	25.9	
93 Bromoform	173	7.864	7.864	0.000	94	64189	25.0	38.5	
95 Isopropylbenzene	105	7.926	7.926	0.000	97	686226	25.0	24.8	
97 Bromobenzene	156	8.206	8.206	0.000	94	187829	25.0	25.9	
98 1,1,2,2-Tetrachloroethane	83	8.237	8.237	0.000	94	157781	25.0	24.1	
99 N-Propylbenzene	91	8.258	8.258	0.000	99	840911	25.0	24.3	
101 trans-1,4-Dichloro-2-buten	53	8.268	8.268	0.000	69	37541	25.0	19.7	
100 1,2,3-Trichloropropane	110	8.268	8.268	0.000	90	47966	25.0	21.1	
105 2-Chlorotoluene	126	8.341	8.340	0.001	96	169914	25.0	23.6	
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	96	595198	25.0	24.2	
102 4-Chlorotoluene	91	8.434	8.434	0.000	98	499694	25.0	23.5	
106 tert-Butylbenzene	134	8.652	8.651	0.001	95	127399	25.0	24.1	
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	98	586984	25.0	23.6	
109 sec-Butylbenzene	105	8.828	8.828	0.000	95	777772	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 4-Isopropyltoluene	119	8.952	8.952	0.000	96	630623	25.0	24.4	
110 1,3-Dichlorobenzene	146	8.962	8.962	0.000	98	346335	25.0	24.3	
113 1,4-Dichlorobenzene	146	9.035	9.035	0.000	95	344846	25.0	24.0	
115 n-Butylbenzene	91	9.284	9.283	0.001	98	623544	25.0	25.0	
116 1,2-Dichlorobenzene	146	9.346	9.346	0.000	96	335200	25.0	24.2	
117 1,2-Dibromo-3-Chloropropan	75	10.019	10.019	0.000	78	20335	25.0	24.5	
119 1,2,4-Trichlorobenzene	180	10.662	10.662	0.000	94	255434	25.0	25.2	
120 Hexachlorobutadiene	225	10.766	10.765	0.001	94	118095	25.0	27.1	
121 Naphthalene	128	10.869	10.869	0.000	98	510490	25.0	21.3	
122 1,2,3-Trichlorobenzene	180	11.066	11.066	0.000	94	226742	25.0	23.3	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00154

Amount Added: 12.50

Units: uL

GAS CORP mix_00340

Amount Added: 12.50

Units: uL

T_8260_Surr_00189

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190509-80959.b\T0727.D

Injection Date: 09-May-2019 22:04:30

Instrument ID: HP5975T

Lims ID: LCS

Operator ID: AEM

Client ID:

Worklist Smp#: 5

Purge Vol: 5.000 mL

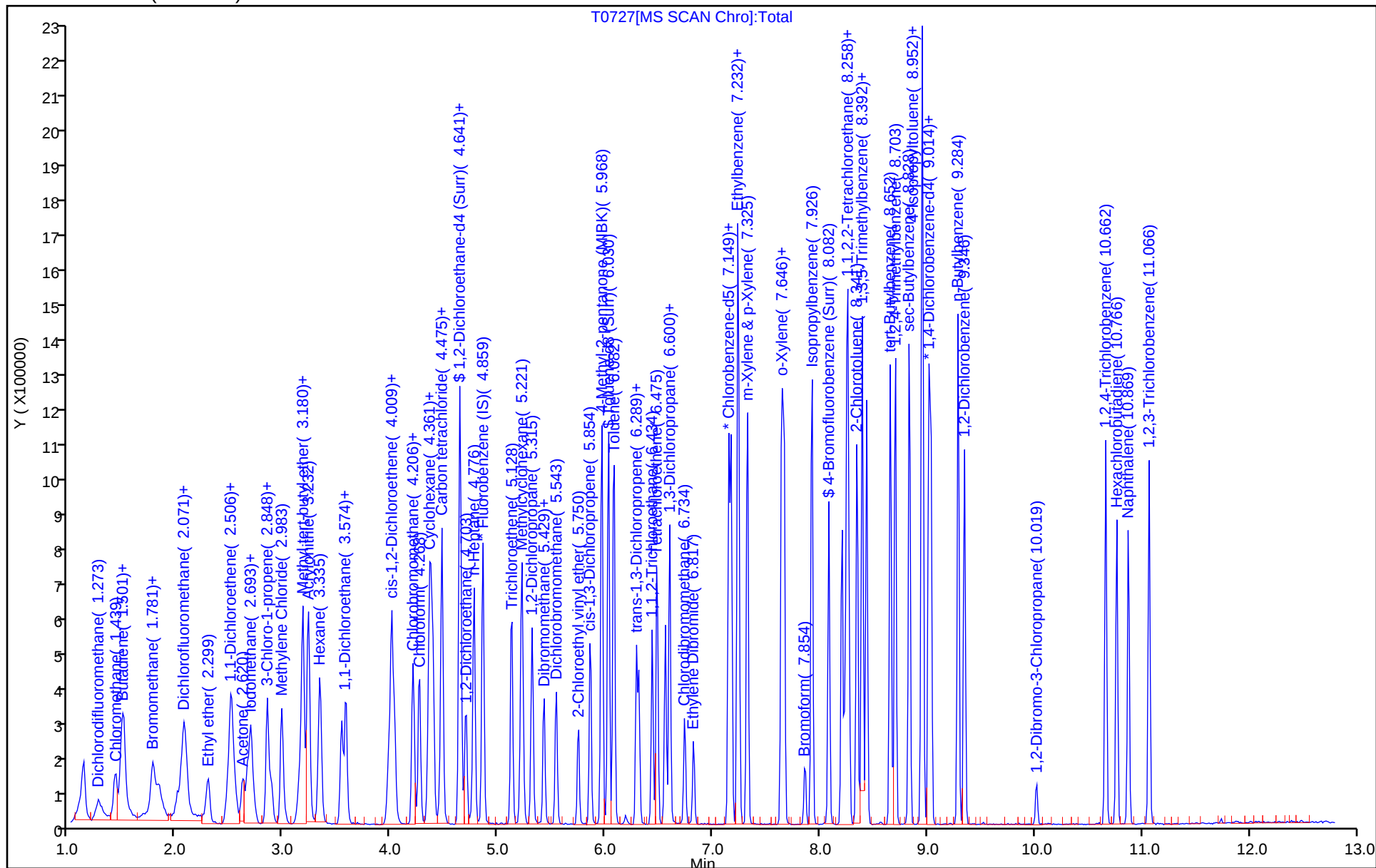
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: T-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.: 480-152909-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-472206/5
 Matrix: Water Lab File ID: T0754.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/10/2019 11:39
 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.: 472206 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	34.4		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	22.3		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	30.5		1.0	0.31
79-00-5	1,1,2-Trichloroethane	23.0		1.0	0.23
75-34-3	1,1-Dichloroethane	31.6		1.0	0.38
75-35-4	1,1-Dichloroethene	25.0		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	23.9		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	23.0		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	24.5		1.0	0.39
106-93-4	1,2-Dibromoethane	26.9		1.0	0.73
95-50-1	1,2-Dichlorobenzene	25.1		1.0	0.79
107-06-2	1,2-Dichloroethane	30.3		1.0	0.21
78-87-5	1,2-Dichloropropane	32.6		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	22.9		1.0	0.77
541-73-1	1,3-Dichlorobenzene	25.2		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.2		1.0	0.84
78-93-3	2-Butanone (MEK)	138		10	1.3
591-78-6	2-Hexanone	142		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	127		5.0	2.1
67-64-1	Acetone	147		10	3.0
71-43-2	Benzene	29.9		1.0	0.41
75-27-4	Bromodichloromethane	34.1		1.0	0.39
75-25-2	Bromoform	48.3		1.0	0.26
74-83-9	Bromomethane	30.6		1.0	0.69
75-15-0	Carbon disulfide	27.4		1.0	0.19
56-23-5	Carbon tetrachloride	41.9		1.0	0.27
108-90-7	Chlorobenzene	25.9		1.0	0.75
75-00-3	Chloroethane	37.5		1.0	0.32
67-66-3	Chloroform	30.1		1.0	0.34
74-87-3	Chloromethane	32.8		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	28.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	32.9		1.0	0.36
110-82-7	Cyclohexane	32.5		1.0	0.18
124-48-1	Dibromochloromethane	38.9		1.0	0.32
75-71-8	Dichlorodifluoromethane	27.8		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-472206/5
 Matrix: Water Lab File ID: T0754.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/10/2019 11:39
 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.: 472206 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	26.5		1.0	0.74
98-82-8	Isopropylbenzene	23.7		1.0	0.79
79-20-9	Methyl acetate	48.9		2.5	1.3
1634-04-4	Methyl tert-butyl ether	26.0		1.0	0.16
108-87-2	Methylcyclohexane	31.7		1.0	0.16
75-09-2	Methylene Chloride	25.8		1.0	0.44
103-65-1	N-Propylbenzene	23.3		1.0	0.69
100-42-5	Styrene	26.5		1.0	0.73
127-18-4	Tetrachloroethene	32.5		1.0	0.36
108-88-3	Toluene	25.4		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.7		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.7		1.0	0.37
79-01-6	Trichloroethene	29.9		1.0	0.46
75-69-4	Trichlorofluoromethane	31.8		1.0	0.88
75-01-4	Vinyl chloride	30.6		1.0	0.90
1330-20-7	Xylenes, Total	55.8		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	122	X	77-120
460-00-4	4-Bromofluorobenzene (Surr)	120		73-120
1868-53-7	Dibromofluoromethane (Surr)	122		75-123
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0754.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 10-May-2019 11:39:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0080970-005
 Operator ID: kn Instrument ID: HP5975T
 Method: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-May-2019 19:40:55 Calib Date: 20-Apr-2019 00:25:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0025.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0326

First Level Reviewer: nowakk

Date: 10-May-2019 12:05:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.869	4.859	0.010	98	124666	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	88	556110	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	94	342255	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.403	4.403	-0.001	90	196850	25.0	30.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.651	4.641	0.010	0	230542	25.0	30.6	
\$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.000	95	751502	25.0	25.4	
\$ 7 4-Bromofluorobenzene (Surr	174	8.081	8.082	-0.001	0	262597	25.0	29.9	
11 Dichlorodifluoromethane	85	1.314	1.304	0.010	98	188326	25.0	27.8	
13 Chloromethane	50	1.470	1.449	0.021	99	290496	25.0	32.8	
151 Butadiene	54	1.532	1.522	0.010	91	261491	25.0	34.7	
14 Vinyl chloride	62	1.553	1.532	0.021	99	245926	25.0	30.6	
15 Bromomethane	94	1.822	1.801	0.021	93	207416	25.0	30.6	
16 Chloroethane	64	1.874	1.843	0.031	98	173018	25.0	37.5	
18 Dichlorofluoromethane	67	2.102	2.092	0.010	95	374225	25.0	31.5	
17 Trichlorofluoromethane	101	2.123	2.102	0.021	85	389827	25.0	31.8	
19 Ethyl ether	59	2.320	2.309	0.011	92	126963	25.0	22.6	
21 Acrolein	56	2.496	2.496	0.000	94	108542	125.0	104.4	
22 1,1-Dichloroethene	96	2.537	2.516	0.021	96	145273	25.0	25.0	
20 1,1,2-Trichloro-1,2,2-trif	101	2.537	2.537	0.000	62	167882	25.0	30.5	a
23 Acetone	43	2.641	2.630	0.011	99	266112	125.0	146.9	
24 Iodomethane	142	2.693	2.682	0.011	100	320657	25.0	29.0	
25 Carbon disulfide	76	2.724	2.703	0.021	99	539174	25.0	27.4	
27 3-Chloro-1-propene	41	2.869	2.858	0.011	85	285493	25.0	26.8	
28 Methyl acetate	43	2.900	2.900	0.000	98	226838	50.0	48.9	
30 Methylene Chloride	84	3.004	2.993	0.011	99	191491	25.0	25.8	
31 2-Methyl-2-propanol	59	3.149	3.149	0.000	80	122975	250.0	296.1	
33 Methyl tert-butyl ether	73	3.200	3.190	0.010	74	428874	25.0	26.0	
32 trans-1,2-Dichloroethene	96	3.200	3.190	0.010	94	174189	25.0	25.7	
34 Acrylonitrile	53	3.252	3.242	0.010	99	618125	250.0	260.3	
35 Hexane	57	3.356	3.345	0.011	94	278298	25.0	31.0	
36 1,1-Dichloroethane	63	3.553	3.553	0.000	98	358838	25.0	31.6	

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	3.594	3.584	0.010	98	657554	50.0	62.8	
42 2,2-Dichloropropane	77	3.998	3.988	0.010	84	214783	25.0	27.6	
43 cis-1,2-Dichloroethene	96	4.019	4.019	0.000	84	206803	25.0	28.1	
44 2-Butanone (MEK)	43	4.040	4.040	0.000	98	397652	125.0	138.5	
47 Chlorobromomethane	128	4.216	4.216	0.000	93	116305	25.0	31.2	
48 Tetrahydrofuran	42	4.226	4.216	0.010	85	99606	50.0	51.9	
50 Chloroform	83	4.278	4.268	0.010	95	338477	25.0	30.1	
51 1,1,1-Trichloroethane	97	4.371	4.371	0.000	96	279566	25.0	34.4	
52 Cyclohexane	56	4.371	4.371	0.000	95	345694	25.0	32.5	
53 Carbon tetrachloride	117	4.475	4.475	0.000	68	228480	25.0	41.9	
54 1,1-Dichloropropene	75	4.485	4.475	0.010	86	259727	25.0	30.0	
55 Benzene	78	4.651	4.651	0.000	96	778956	25.0	29.9	
56 Isobutyl alcohol	43	4.662	4.662	0.000	86	110278	625.0	750.2	
57 1,2-Dichloroethane	62	4.703	4.703	0.000	97	287272	25.0	30.3	
59 n-Heptane	43	4.776	4.776	0.000	93	314652	25.0	31.6	
60 Trichloroethene	95	5.128	5.128	0.000	93	198778	25.0	29.9	
62 Methylcyclohexane	83	5.221	5.221	0.000	94	329728	25.0	31.7	
63 1,2-Dichloropropane	63	5.325	5.314	0.011	89	207645	25.0	32.6	
66 1,4-Dioxane	88	5.428	5.428	0.000	38	30311	500.0	422.2	M
65 Dibromomethane	93	5.428	5.428	0.000	94	122673	25.0	29.5	
67 Dichlorobromomethane	83	5.542	5.542	0.000	95	256897	25.0	34.1	
69 2-Chloroethyl vinyl ether	63	5.750	5.750	0.000	94	111338	25.0	26.4	
71 cis-1,3-Dichloropropene	75	5.864	5.864	0.000	89	289496	25.0	32.9	
72 4-Methyl-2-pentanone (MIBK)	43	5.967	5.967	0.000	98	878463	125.0	127.5	
73 Toluene	92	6.081	6.081	0.000	96	483492	25.0	25.4	
75 trans-1,3-Dichloropropene	75	6.289	6.289	0.000	97	237484	25.0	25.7	
77 Ethyl methacrylate	69	6.309	6.309	0.000	91	197096	25.0	28.8	
78 1,1,2-Trichloroethane	83	6.434	6.434	0.000	92	130272	25.0	23.0	
79 Tetrachloroethene	166	6.485	6.485	0.000	96	242568	25.0	32.5	
80 1,3-Dichloropropane	76	6.558	6.558	0.000	95	272841	25.0	24.4	
81 2-Hexanone	43	6.599	6.599	0.000	99	631316	125.0	142.2	
82 Chlorodibromomethane	129	6.734	6.734	0.000	90	182356	25.0	38.9	
83 Ethylene Dibromide	107	6.827	6.817	0.010	97	176387	25.0	26.9	
86 Chlorobenzene	112	7.169	7.169	0.000	93	569321	25.0	25.9	
88 Ethylbenzene	91	7.232	7.232	0.000	98	935961	25.0	26.5	
89 1,1,1,2-Tetrachloroethane	131	7.242	7.242	0.000	90	195998	25.0	36.2	
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	371199	25.0	26.6	
91 o-Xylene	106	7.646	7.646	0.000	96	394182	25.0	29.2	
92 Styrene	104	7.667	7.667	0.000	95	611647	25.0	26.5	
93 Bromoform	173	7.864	7.864	0.000	91	107516	25.0	48.3	
95 Isopropylbenzene	105	7.926	7.926	0.000	96	951538	25.0	23.7	
97 Bromobenzene	156	8.206	8.206	0.000	91	258811	25.0	24.6	
98 1,1,2,2-Tetrachloroethane	83	8.237	8.237	0.000	96	211160	25.0	22.3	
99 N-Propylbenzene	91	8.258	8.258	0.000	99	1166629	25.0	23.3	
100 1,2,3-Trichloropropane	110	8.268	8.268	0.000	90	66229	25.0	20.2	
101 trans-1,4-Dichloro-2-buten	53	8.268	8.268	0.000	70	58182	25.0	21.1	
105 2-Chlorotoluene	126	8.340	8.340	0.000	96	258097	25.0	24.7	
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	97	815618	25.0	22.9	
102 4-Chlorotoluene	91	8.434	8.434	0.000	98	717146	25.0	23.3	M
106 tert-Butylbenzene	134	8.651	8.651	0.000	93	196632	25.0	25.7	
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	97	827399	25.0	23.0	
109 sec-Butylbenzene	105	8.828	8.828	0.000	95	1074584	25.0	24.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 4-Isopropyltoluene	119	8.952	8.952	0.000	97	946382	25.0	25.3	
110 1,3-Dichlorobenzene	146	8.962	8.962	0.000	99	519752	25.0	25.2	
113 1,4-Dichlorobenzene	146	9.035	9.035	0.000	94	502166	25.0	24.2	
115 n-Butylbenzene	91	9.284	9.284	0.000	98	868369	25.0	24.0	
116 1,2-Dichlorobenzene	146	9.346	9.346	0.000	97	503052	25.0	25.1	
117 1,2-Dibromo-3-Chloropropan	75	10.019	10.019	0.000	82	29538	25.0	24.5	
119 1,2,4-Trichlorobenzene	180	10.662	10.662	0.000	94	350411	25.0	23.9	
120 Hexachlorobutadiene	225	10.765	10.765	0.000	93	158301	25.0	25.1	
121 Naphthalene	128	10.869	10.869	0.000	98	785913	25.0	22.6	
122 1,2,3-Trichlorobenzene	180	11.066	11.066	0.000	95	325959	25.0	23.1	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00154

Amount Added: 12.50

Units: uL

GAS CORP mix_00340

Amount Added: 12.50

Units: uL

T_8260_Surr_00189

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00218

Amount Added: 1.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0754.D

Injection Date: 10-May-2019 11:39:30

Instrument ID: HP5975T

Operator ID: kn

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

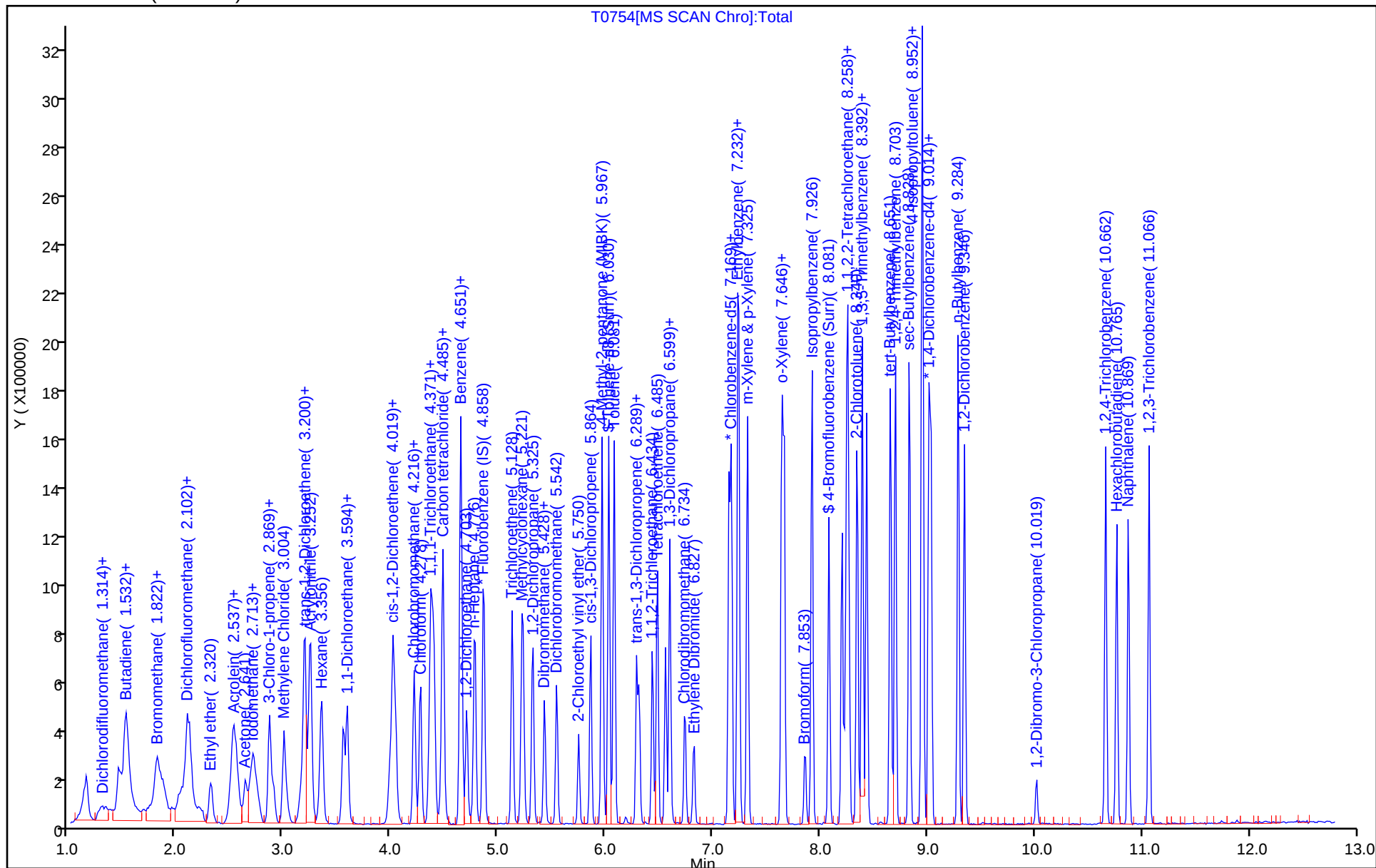
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

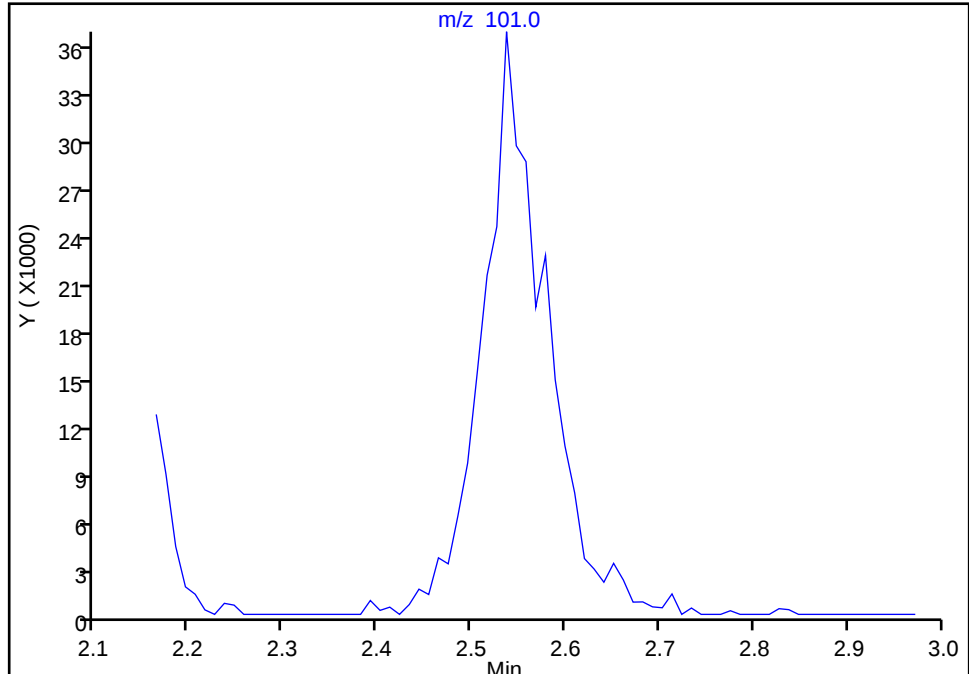
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190510-80970.b\T0754.D
Injection Date: 10-May-2019 11:39:30 Instrument ID: HP5975T
Lims ID: LCS
Client ID:
Operator ID: kn ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

Signal: 1

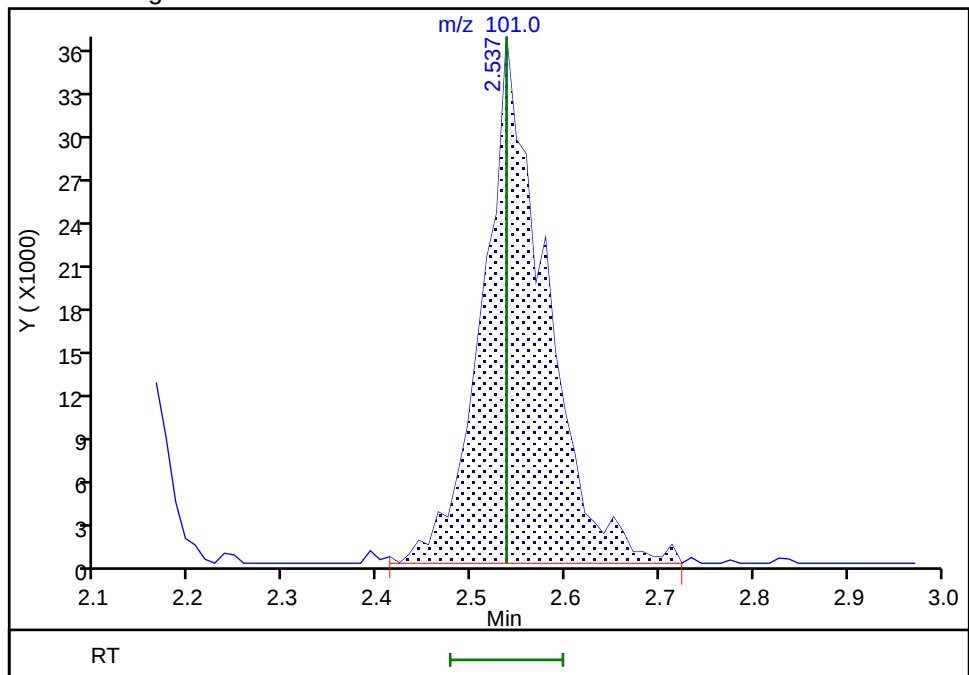
Not Detected
Expected RT: 2.54

Processing Integration Results



RT: 2.54
Area: 167882
Amount: 30.515547
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 10-May-2019 11:54:20
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
Page 516 of 543

05/17/2019

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-472381/5

Matrix: Water Lab File ID: S4820.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 05/11/2019 12:07

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.: 472381 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.5		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.2		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.4		1.0	0.31
79-00-5	1,1,2-Trichloroethane	23.9		1.0	0.23
75-34-3	1,1-Dichloroethane	22.2		1.0	0.38
75-35-4	1,1-Dichloroethene	22.7		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	20.7		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	22.8		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1.0	0.39
106-93-4	1,2-Dibromoethane	22.4		1.0	0.73
95-50-1	1,2-Dichlorobenzene	22.1		1.0	0.79
107-06-2	1,2-Dichloroethane	20.3		1.0	0.21
78-87-5	1,2-Dichloropropane	26.5		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	22.8		1.0	0.77
541-73-1	1,3-Dichlorobenzene	23.2		1.0	0.78
106-46-7	1,4-Dichlorobenzene	22.9		1.0	0.84
78-93-3	2-Butanone (MEK)	114		10	1.3
591-78-6	2-Hexanone	116		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	105		5.0	2.1
67-64-1	Acetone	120		10	3.0
71-43-2	Benzene	23.7		1.0	0.41
75-27-4	Bromodichloromethane	23.1		1.0	0.39
75-25-2	Bromoform	23.9		1.0	0.26
74-83-9	Bromomethane	21.8		1.0	0.69
75-15-0	Carbon disulfide	22.3		1.0	0.19
56-23-5	Carbon tetrachloride	22.4		1.0	0.27
108-90-7	Chlorobenzene	22.7		1.0	0.75
75-00-3	Chloroethane	22.9		1.0	0.32
67-66-3	Chloroform	21.0		1.0	0.34
74-87-3	Chloromethane	22.9		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	21.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.3		1.0	0.36
110-82-7	Cyclohexane	24.5		1.0	0.18
124-48-1	Dibromochloromethane	24.0		1.0	0.32
75-71-8	Dichlorodifluoromethane	22.9		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-472381/5
 Matrix: Water Lab File ID: S4820.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/11/2019 12:07
 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.: 472381 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	22.2		1.0	0.74
98-82-8	Isopropylbenzene	22.6		1.0	0.79
79-20-9	Methyl acetate	40.7		2.5	1.3
1634-04-4	Methyl tert-butyl ether	19.6		1.0	0.16
108-87-2	Methylcyclohexane	24.1		1.0	0.16
75-09-2	Methylene Chloride	23.3		1.0	0.44
103-65-1	N-Propylbenzene	23.2		1.0	0.69
100-42-5	Styrene	22.4		1.0	0.73
127-18-4	Tetrachloroethene	21.8		1.0	0.36
108-88-3	Toluene	23.1		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	21.6		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.9		1.0	0.37
79-01-6	Trichloroethene	22.5		1.0	0.46
75-69-4	Trichlorofluoromethane	23.0		1.0	0.88
75-01-4	Vinyl chloride	24.0		1.0	0.90
1330-20-7	Xylenes, Total	42.3		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
1868-53-7	Dibromofluoromethane (Surr)	90		75-123
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4820.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 11-May-2019 12:07:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0081008-005
 Operator ID: AEM Instrument ID: HP5973S
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-May-2019 12:38:16 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0304

First Level Reviewer: milligana

Date: 11-May-2019 12:38:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	130079	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.460	0.006	84	269795	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	64	253021	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.889	4.883	0.006	58	159955	25.0	22.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.193	0.000	50	104176	25.0	23.7	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	81	655670	25.0	24.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.714	9.720	-0.006	87	185256	25.0	22.4	
10 Dichlorodifluoromethane	85	1.276	1.270	0.006	87	176427	25.0	22.9	
12 Chloromethane	50	1.452	1.446	0.006	82	216003	25.0	22.9	
13 Vinyl chloride	62	1.549	1.549	0.000	88	210933	25.0	24.0	
151 Butadiene	54	1.555	1.556	-0.001	88	222643	25.0	25.8	
14 Bromomethane	94	1.847	1.841	0.006	89	132847	25.0	21.8	
15 Chloroethane	64	1.945	1.939	0.006	94	135735	25.0	22.9	
16 Dichlorofluoromethane	67	2.164	2.164	0.000	81	286292	25.0	22.3	
17 Trichlorofluoromethane	101	2.164	2.170	-0.006	63	261634	25.0	23.0	
18 Ethyl ether	59	2.456	2.450	0.006	91	176996	25.0	23.8	
20 Acrolein	56	2.638	2.638	0.000	93	176369	125.0	82.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.669	2.669	0.000	63	157568	25.0	24.4	
22 1,1-Dichloroethene	96	2.675	2.675	0.000	89	148882	25.0	22.7	
23 Acetone	43	2.803	2.797	0.006	99	416057	125.0	119.8	
25 Iodomethane	142	2.839	2.833	0.006	99	242687	25.0	20.6	
26 Carbon disulfide	76	2.876	2.876	0.000	98	488609	25.0	22.3	
28 3-Chloro-1-propene	41	3.052	3.046	0.006	90	259691	25.0	20.7	
27 Methyl acetate	43	3.101	3.101	0.000	95	345266	50.0	40.7	
30 Methylene Chloride	84	3.198	3.198	0.000	94	182715	25.0	23.3	
31 2-Methyl-2-propanol	59	3.374	3.375	-0.001	97	214694	250.0	163.6	
32 Methyl tert-butyl ether	73	3.411	3.411	0.000	91	476945	25.0	19.6	
34 trans-1,2-Dichloroethene	96	3.429	3.429	0.000	92	171257	25.0	21.6	
33 Acrylonitrile	53	3.490	3.490	0.000	98	931604	250.0	220.2	
35 Hexane	57	3.624	3.618	0.006	89	280633	25.0	28.2	
39 1,1-Dichloroethane	63	3.855	3.849	0.006	97	311305	25.0	22.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.910	3.904	0.006	97	756756	50.0	43.2	
44 2,2-Dichloropropane	77	4.372	4.372	0.000	90	163210	25.0	23.2	
45 cis-1,2-Dichloroethene	96	4.415	4.409	0.006	66	185336	25.0	21.1	
43 2-Butanone (MEK)	43	4.451	4.451	0.000	95	553956	125.0	113.7	
48 Chlorobromomethane	128	4.652	4.646	0.006	96	93223	25.0	21.1	
49 Tetrahydrofuran	42	4.664	4.664	0.000	87	140063	50.0	41.4	
50 Chloroform	83	4.725	4.725	0.000	69	294381	25.0	21.0	
51 1,1,1-Trichloroethane	97	4.834	4.835	-0.001	87	238207	25.0	21.5	
52 Cyclohexane	56	4.841	4.841	0.000	90	323148	25.0	24.5	
55 Carbon tetrachloride	117	4.974	4.975	-0.001	84	211092	25.0	22.4	
54 1,1-Dichloropropene	75	4.987	4.987	0.000	93	228846	25.0	22.2	
57 Benzene	78	5.193	5.194	-0.001	96	710389	25.0	23.7	
53 Isobutyl alcohol	43	5.218	5.218	0.000	89	226213	625.0	479.6	
58 1,2-Dichloroethane	62	5.266	5.267	-0.001	73	246351	25.0	20.3	
59 n-Heptane	43	5.370	5.370	0.000	90	289125	25.0	29.4	
62 Trichloroethene	95	5.808	5.802	0.006	98	173210	25.0	22.5	
64 Methylcyclohexane	83	5.923	5.917	0.006	89	314429	25.0	24.1	
65 1,2-Dichloropropane	63	6.051	6.051	0.000	92	183067	25.0	26.5	
67 Dibromomethane	93	6.191	6.191	0.000	91	107167	25.0	21.3	
66 1,4-Dioxane	88	6.191	6.191	0.000	38	42876	500.0	364.3	
68 Dichlorobromomethane	83	6.343	6.343	0.000	93	213745	25.0	23.1	
69 2-Chloroethyl vinyl ether	63	6.623	6.623	0.000	91	121460	25.0	25.1	
72 cis-1,3-Dichloropropene	75	6.757	6.757	0.000	87	277177	25.0	25.3	
73 4-Methyl-2-pentanone (MIBK)	43	6.903	6.903	0.000	96	1052265	125.0	104.8	
74 Toluene	92	7.043	7.043	0.000	94	436264	25.0	23.1	
77 trans-1,3-Dichloropropene	75	7.329	7.329	0.000	90	254398	25.0	24.9	
75 Ethyl methacrylate	69	7.371	7.371	0.000	70	222824	25.0	24.5	
79 1,1,2-Trichloroethane	83	7.523	7.517	0.006	85	132752	25.0	23.9	
81 Tetrachloroethene	166	7.572	7.572	0.000	79	177230	25.0	21.8	
82 1,3-Dichloropropane	76	7.682	7.682	0.000	90	282883	25.0	24.6	
80 2-Hexanone	43	7.749	7.749	0.000	95	734824	125.0	116.4	
83 Chlorodibromomethane	129	7.919	7.919	0.000	87	164182	25.0	24.0	
84 Ethylene Dibromide	107	8.022	8.022	0.000	95	161449	25.0	22.4	
87 Chlorobenzene	112	8.497	8.497	0.000	94	477299	25.0	22.7	
88 Ethylbenzene	91	8.582	8.582	0.000	99	787812	25.0	22.2	
89 1,1,1,2-Tetrachloroethane	131	8.594	8.594	0.000	47	162256	25.0	21.4	
90 m-Xylene & p-Xylene	106	8.704	8.704	0.000	99	306406	25.0	21.6	
91 o-Xylene	106	9.136	9.136	0.000	96	298005	25.0	20.7	
92 Styrene	104	9.166	9.166	0.000	84	501051	25.0	22.4	
95 Bromoform	173	9.415	9.416	-0.001	94	109295	25.0	23.9	
94 Isopropylbenzene	105	9.519	9.519	0.000	96	789003	25.0	22.6	
101 Bromobenzene	156	9.866	9.866	0.000	93	193946	25.0	22.4	
97 1,1,2,2-Tetrachloroethane	83	9.926	9.927	-0.001	78	233808	25.0	24.2	
99 N-Propylbenzene	91	9.945	9.945	0.000	98	953569	25.0	23.2	
100 1,2,3-Trichloropropane	110	9.957	9.957	0.000	70	72090	25.0	21.6	
98 trans-1,4-Dichloro-2-buten	53	9.969	9.969	0.000	79	63571	25.0	20.5	
103 2-Chlorotoluene	126	10.048	10.048	0.000	96	188520	25.0	22.0	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	85	704238	25.0	22.8	
105 4-Chlorotoluene	126	10.158	10.158	0.000	96	193579	25.0	22.5	
106 tert-Butylbenzene	134	10.437	10.438	-0.001	90	148471	25.0	23.1	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	41	707516	25.0	22.8	
109 sec-Butylbenzene	105	10.644	10.644	0.000	94	891183	25.0	23.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	70	387703	25.0	23.2	
110 4-Isopropyltoluene	119	10.784	10.784	0.000	96	763366	25.0	22.1	
113 1,4-Dichlorobenzene	146	10.869	10.870	-0.001	86	393506	25.0	22.9	
115 n-Butylbenzene	91	11.167	11.168	-0.001	95	688176	25.0	22.8	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	91	392158	25.0	22.1	
117 1,2-Dibromo-3-Chloropropan	75	11.952	11.952	0.000	77	43199	25.0	19.8	
119 1,2,4-Trichlorobenzene	180	12.621	12.622	-0.001	92	281476	25.0	20.7	
120 Hexachlorobutadiene	225	12.731	12.731	0.000	95	141711	25.0	22.0	
121 Naphthalene	128	12.840	12.841	-0.001	97	796826	25.0	19.3	
122 1,2,3-Trichlorobenzene	180	13.041	13.041	0.000	95	287787	25.0	21.1	

Reagents:

8260 CORP mix_00154	Amount Added: 12.50	Units: uL	
GAS CORP mix_00340	Amount Added: 12.50	Units: uL	
S_8260_IS_00318	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00315	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190511-81008.b\S4820.D

Injection Date: 11-May-2019 12:07:30

Instrument ID: HP5973S

Operator ID: AEM

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

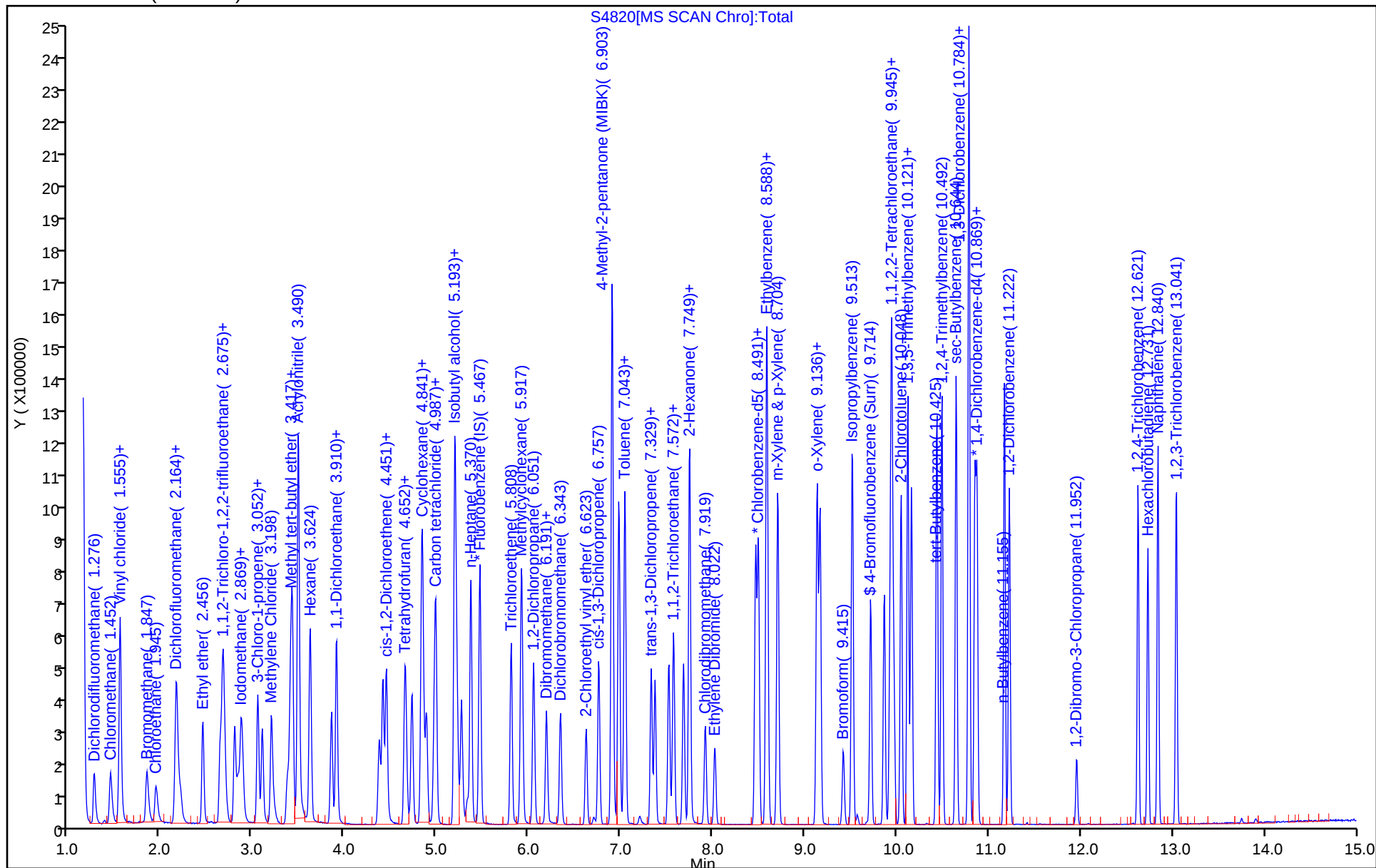
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-472454/6
 Matrix: Water Lab File ID: S4935.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/13/2019 10:05
 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.: 472454 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	22.4		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	26.4		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26.3		1.0	0.31
79-00-5	1,1,2-Trichloroethane	27.1		1.0	0.23
75-34-3	1,1-Dichloroethane	22.1		1.0	0.38
75-35-4	1,1-Dichloroethene	23.4		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	22.2		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	24.9		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	21.4		1.0	0.39
106-93-4	1,2-Dibromoethane	25.0		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.1		1.0	0.79
107-06-2	1,2-Dichloroethane	20.5		1.0	0.21
78-87-5	1,2-Dichloropropane	26.2		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	24.9		1.0	0.77
541-73-1	1,3-Dichlorobenzene	25.6		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.6		1.0	0.84
78-93-3	2-Butanone (MEK)	99.9		10	1.3
591-78-6	2-Hexanone	112		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	102		5.0	2.1
67-64-1	Acetone	109		10	3.0
71-43-2	Benzene	24.9		1.0	0.41
75-27-4	Bromodichloromethane	24.7		1.0	0.39
75-25-2	Bromoform	26.2		1.0	0.26
74-83-9	Bromomethane	20.0		1.0	0.69
75-15-0	Carbon disulfide	24.0		1.0	0.19
56-23-5	Carbon tetrachloride	24.4		1.0	0.27
108-90-7	Chlorobenzene	25.2		1.0	0.75
75-00-3	Chloroethane	19.7		1.0	0.32
67-66-3	Chloroform	21.4		1.0	0.34
74-87-3	Chloromethane	20.7		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	22.0		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.5		1.0	0.36
110-82-7	Cyclohexane	26.2		1.0	0.18
124-48-1	Dibromochloromethane	27.0		1.0	0.32
75-71-8	Dichlorodifluoromethane	26.1		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-472454/6
 Matrix: Water Lab File ID: S4935.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/13/2019 10:05
 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.: 472454 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	24.9		1.0	0.74
98-82-8	Isopropylbenzene	25.1		1.0	0.79
79-20-9	Methyl acetate	33.8		2.5	1.3
1634-04-4	Methyl tert-butyl ether	19.5		1.0	0.16
108-87-2	Methylcyclohexane	27.2		1.0	0.16
75-09-2	Methylene Chloride	23.3		1.0	0.44
103-65-1	N-Propylbenzene	25.8		1.0	0.69
100-42-5	Styrene	25.3		1.0	0.73
127-18-4	Tetrachloroethene	25.1		1.0	0.36
108-88-3	Toluene	26.0		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	22.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.7		1.0	0.37
79-01-6	Trichloroethene	24.0		1.0	0.46
75-69-4	Trichlorofluoromethane	22.5		1.0	0.88
75-01-4	Vinyl chloride	21.6		1.0	0.90
1330-20-7	Xylenes, Total	47.9		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	89		75-123
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4935.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 13-May-2019 10:05:30 ALS Bottle#: 6 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0081028-006
 Operator ID: AM Instrument ID: HP5973S
 Method: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 13-May-2019 19:09:37 Calib Date: 26-Mar-2019 21:40:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2861.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0337

First Level Reviewer: moffata

Date: 13-May-2019 11:36:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.467	5.467	0.000	99	106492	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.467	8.466	0.001	84	210022	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	67	198397	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.889	4.883	0.006	54	129552	25.0	22.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.200	5.193	0.007	47	79570	25.0	22.1	
\$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	76	530568	25.0	25.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	91	152501	25.0	23.7	
10 Dichlorodifluoromethane	85	1.276	1.276	0.000	86	164347	25.0	26.1	
12 Chloromethane	50	1.452	1.452	0.000	89	159243	25.0	20.7	
13 Vinyl chloride	62	1.549	1.549	0.000	83	155938	25.0	21.6	
151 Butadiene	54	1.562	1.555	0.007	86	164254	25.0	23.3	
14 Bromomethane	94	1.854	1.841	0.013	91	99707	25.0	20.0	
15 Chloroethane	64	1.945	1.951	-0.006	92	95647	25.0	19.7	
16 Dichlorofluoromethane	67	2.170	2.170	0.000	96	205108	25.0	19.5	
17 Trichlorofluoromethane	101	2.170	2.170	0.000	79	209460	25.0	22.5	
18 Ethyl ether	59	2.456	2.456	0.000	87	117059	25.0	19.2	
20 Acrolein	56	2.645	2.644	0.001	97	100470	125.0	57.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.675	2.675	0.000	66	139057	25.0	26.3	
22 1,1-Dichloroethene	96	2.675	2.675	0.000	89	125619	25.0	23.4	
23 Acetone	43	2.803	2.803	0.000	99	310546	125.0	109.3	
25 Iodomethane	142	2.851	2.863	-0.012	97	210528	25.0	21.8	
26 Carbon disulfide	76	2.882	2.888	-0.006	98	430566	25.0	24.0	
28 3-Chloro-1-propene	41	3.052	3.052	0.000	89	193386	25.0	18.9	
27 Methyl acetate	43	3.101	3.101	0.000	94	234481	50.0	33.8	
30 Methylene Chloride	84	3.204	3.204	0.000	85	149985	25.0	23.3	
31 2-Methyl-2-propanol	59	3.375	3.374	0.001	94	167958	250.0	156.4	
32 Methyl tert-butyl ether	73	3.411	3.411	0.000	90	388848	25.0	19.5	
34 trans-1,2-Dichloroethene	96	3.429	3.429	0.000	96	144993	25.0	22.3	
33 Acrylonitrile	53	3.496	3.490	0.006	98	757878	250.0	218.9	
35 Hexane	57	3.624	3.624	0.000	86	247718	25.0	30.4	
39 1,1-Dichloroethane	63	3.855	3.855	0.000	86	254463	25.0	22.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.910	3.910	0.000	96	586458	50.0	40.9	
44 2,2-Dichloropropane	77	4.378	4.372	0.006	88	137298	25.0	23.9	
45 cis-1,2-Dichloroethene	96	4.415	4.415	0.000	82	158096	25.0	22.0	
43 2-Butanone (MEK)	43	4.451	4.451	0.000	93	398451	125.0	99.9	
48 Chlorobromomethane	128	4.652	4.646	0.006	90	81302	25.0	22.4	
49 Tetrahydrofuran	42	4.664	4.664	0.000	85	106453	50.0	38.4	
50 Chloroform	83	4.731	4.731	0.000	79	245760	25.0	21.4	
51 1,1,1-Trichloroethane	97	4.835	4.835	0.000	88	203100	25.0	22.4	
52 Cyclohexane	56	4.841	4.841	0.000	89	282928	25.0	26.2	
55 Carbon tetrachloride	117	4.968	4.974	-0.006	80	187950	25.0	24.4	
54 1,1-Dichloropropene	75	4.987	4.987	0.000	95	203786	25.0	24.2	
57 Benzene	78	5.194	5.193	0.001	96	612078	25.0	24.9	
53 Isobutyl alcohol	43	5.224	5.218	0.006	95	185528	625.0	480.4	
58 1,2-Dichloroethane	62	5.267	5.266	0.001	73	203781	25.0	20.5	
59 n-Heptane	43	5.370	5.370	0.000	89	239931	25.0	29.8	
62 Trichloroethene	95	5.808	5.808	0.000	94	150836	25.0	24.0	
64 Methylcyclohexane	83	5.924	5.924	0.000	87	290672	25.0	27.2	
65 1,2-Dichloropropane	63	6.051	6.051	0.000	95	148001	25.0	26.2	
67 Dibromomethane	93	6.191	6.191	0.000	89	96024	25.0	23.3	
66 1,4-Dioxane	88	6.197	6.191	0.006	29	41793	500.0	456.2	
68 Dichlorobromomethane	83	6.343	6.343	0.000	93	186602	25.0	24.7	
69 2-Chloroethyl vinyl ether	63	6.623	6.623	0.000	90	101963	25.0	25.8	
72 cis-1,3-Dichloropropene	75	6.763	6.757	0.006	90	237653	25.0	26.5	
73 4-Methyl-2-pentanone (MIBK)	43	6.903	6.903	0.000	94	794243	125.0	101.6	
74 Toluene	92	7.043	7.043	0.000	89	382710	25.0	26.0	
77 trans-1,3-Dichloropropene	75	7.329	7.329	0.000	89	212539	25.0	26.7	
75 Ethyl methacrylate	69	7.371	7.371	0.000	79	189063	25.0	26.7	
79 1,1,2-Trichloroethane	83	7.524	7.517	0.007	93	116863	25.0	27.1	
81 Tetrachloroethene	166	7.572	7.572	0.000	84	159276	25.0	25.1	
82 1,3-Dichloropropane	76	7.682	7.682	0.000	89	238457	25.0	26.6	
80 2-Hexanone	43	7.749	7.749	0.000	92	552160	125.0	112.3	
83 Chlorodibromomethane	129	7.919	7.919	0.000	86	143533	25.0	27.0	
84 Ethylene Dibromide	107	8.022	8.022	0.000	97	140182	25.0	25.0	
87 Chlorobenzene	112	8.497	8.497	0.000	94	412107	25.0	25.2	
88 Ethylbenzene	91	8.582	8.582	0.000	98	687530	25.0	24.9	
89 1,1,1,2-Tetrachloroethane	131	8.594	8.594	0.000	46	142063	25.0	24.1	
90 m-Xylene & p-Xylene	106	8.704	8.704	0.000	99	270193	25.0	24.4	
91 o-Xylene	106	9.136	9.136	0.000	96	263552	25.0	23.5	
92 Styrene	104	9.166	9.166	0.000	90	441045	25.0	25.3	
95 Bromoform	173	9.416	9.422	-0.006	94	93122	25.0	26.2	
94 Isopropylbenzene	105	9.513	9.519	-0.006	96	687481	25.0	25.1	
101 Bromobenzene	156	9.866	9.866	0.000	93	166321	25.0	24.5	
97 1,1,2,2-Tetrachloroethane	83	9.927	9.926	0.001	70	200092	25.0	26.4	
99 N-Propylbenzene	91	9.939	9.945	-0.006	98	831315	25.0	25.8	
100 1,2,3-Trichloropropane	110	9.957	9.957	0.000	69	59854	25.0	22.9	
98 trans-1,4-Dichloro-2-buten	53	9.969	9.975	-0.006	75	49232	25.0	20.3	
103 2-Chlorotoluene	126	10.048	10.048	0.000	96	164666	25.0	24.5	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	91	602077	25.0	24.9	
105 4-Chlorotoluene	126	10.158	10.164	-0.006	94	168602	25.0	25.0	
106 tert-Butylbenzene	134	10.438	10.438	0.000	90	136713	25.0	27.2	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	33	605505	25.0	24.9	
109 sec-Butylbenzene	105	10.644	10.644	0.000	94	783871	25.0	26.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	69	336479	25.0	25.6	
110 4-Isopropyltoluene	119	10.784	10.784	0.000	96	679246	25.0	25.1	
113 1,4-Dichlorobenzene	146	10.870	10.869	0.001	92	331892	25.0	24.6	
115 n-Butylbenzene	91	11.168	11.168	0.000	95	604374	25.0	25.5	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	91	335868	25.0	24.1	
117 1,2-Dibromo-3-Chloropropan	75	11.952	11.952	0.000	74	36660	25.0	21.4	
119 1,2,4-Trichlorobenzene	180	12.622	12.622	0.000	93	236475	25.0	22.2	
120 Hexachlorobutadiene	225	12.731	12.731	0.000	94	124969	25.0	24.8	
121 Naphthalene	128	12.841	12.841	0.000	97	680308	25.0	21.0	
122 1,2,3-Trichlorobenzene	180	13.041	13.041	0.000	97	245382	25.0	22.9	

Reagents:

8260 CORP mix_00154	Amount Added: 12.50	Units: uL	
GAS CORP mix_00340	Amount Added: 12.50	Units: uL	
S_8260_IS_00319	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00315	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190513-81028.b\S4935.D

Injection Date: 13-May-2019 10:05:30

Instrument ID: HP5973S

Operator ID: AM

Lims ID: LCS

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

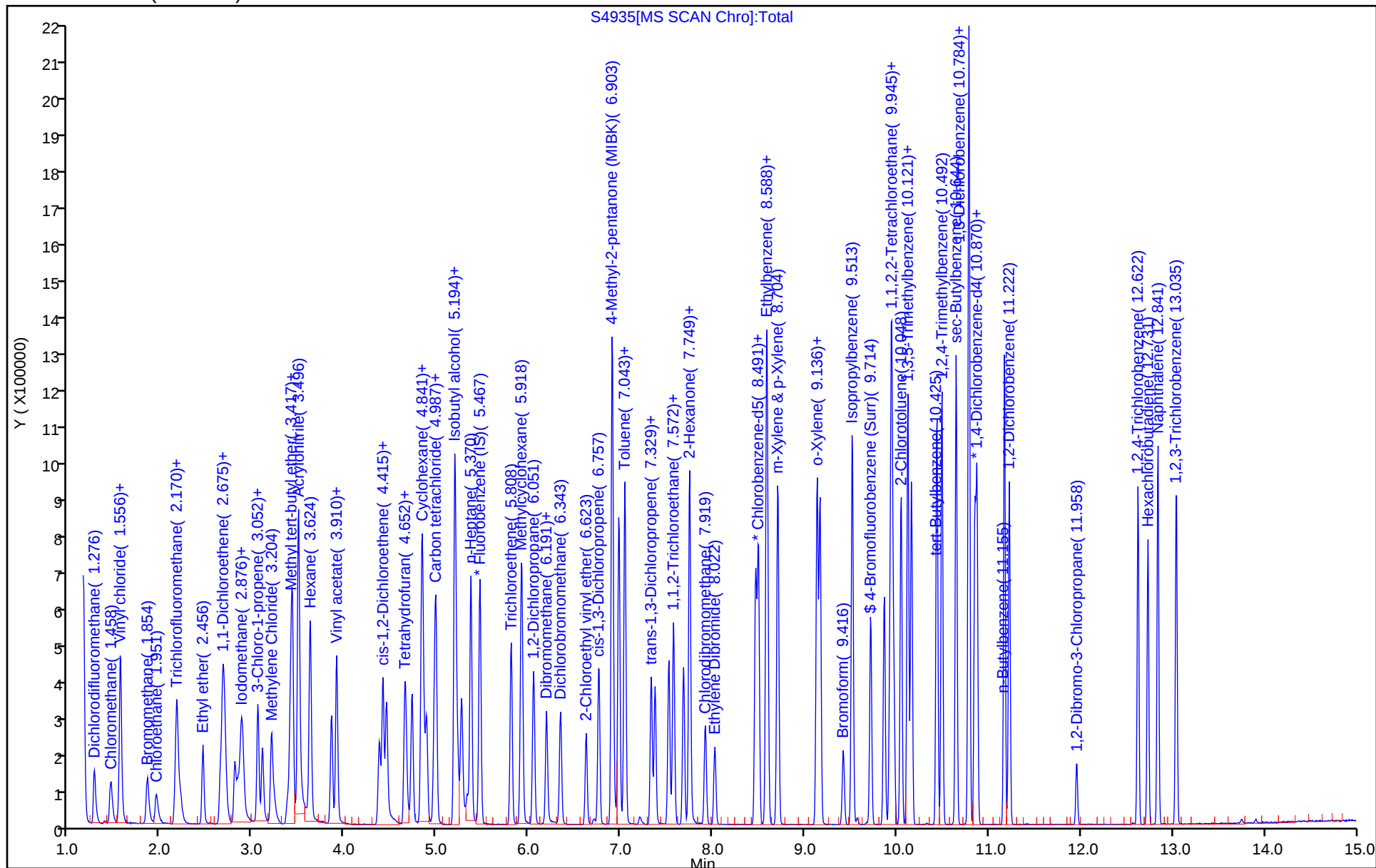
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-152909-1

SDG No.:

Instrument ID: HP5973S

Start Date: 03/26/2019 13:57

Analysis Batch Number: 464731

End Date: 03/26/2019 23:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-464731/4		03/26/2019 13:57	1	S2841.D	ZB-624 (20) 0.18 (mm)
IC 480-464731/6		03/26/2019 14:45	1	S2843.D	ZB-624 (20) 0.18 (mm)
IC 480-464731/7		03/26/2019 15:08	1	S2844.D	ZB-624 (20) 0.18 (mm)
IC 480-464731/8		03/26/2019 15:30	1	S2845.D	ZB-624 (20) 0.18 (mm)
IC 480-464731/9		03/26/2019 15:53	1	S2846.D	ZB-624 (20) 0.18 (mm)
IC 480-464731/10		03/26/2019 16:16	1	S2847.D	ZB-624 (20) 0.18 (mm)
ICIS 480-464731/11		03/26/2019 16:39	1	S2848.D	ZB-624 (20) 0.18 (mm)
IC 480-464731/12		03/26/2019 17:03	1	S2849.D	ZB-624 (20) 0.18 (mm)
IC 480-464731/13		03/26/2019 17:26	1	S2850.D	ZB-624 (20) 0.18 (mm)
MDLV 480-464731/15		03/26/2019 18:12	1		ZB-624 (20) 0.18 (mm)
MDLV 480-464731/16		03/26/2019 18:34	1		ZB-624 (20) 0.18 (mm)
IC 480-464731/18		03/26/2019 19:21	1		ZB-624 (20) 0.18 (mm)
IC 480-464731/19		03/26/2019 19:44	1		ZB-624 (20) 0.18 (mm)
IC 480-464731/20		03/26/2019 20:07	1		ZB-624 (20) 0.18 (mm)
IC 480-464731/21		03/26/2019 20:30	1		ZB-624 (20) 0.18 (mm)
IC 480-464731/22		03/26/2019 20:53	1		ZB-624 (20) 0.18 (mm)
IC 480-464731/23		03/26/2019 21:17	1		ZB-624 (20) 0.18 (mm)
IC 480-464731/24		03/26/2019 21:40	1		ZB-624 (20) 0.18 (mm)
MDLV 480-464731/26		03/26/2019 22:26	1		ZB-624 (20) 0.18 (mm)
ICV 480-464731/27		03/26/2019 22:50	1		ZB-624 (20) 0.18 (mm)
ICV 480-464731/28		03/26/2019 23:13	1		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-152909-1

SDG No.: _____

Instrument ID: HP5973SStart Date: 05/11/2019 10:56Analysis Batch Number: 472381End Date: 05/11/2019 21:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-472381/2		05/11/2019 10:56	1	S4817.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-472381/3		05/11/2019 11:21	1	S4818.D	ZB-624 (20) 0.18 (mm)
CCV 480-472381/4		05/11/2019 11:44	1		ZB-624 (20) 0.18 (mm)
LCS 480-472381/5		05/11/2019 12:07	1	S4820.D	ZB-624 (20) 0.18 (mm)
RL 480-472381/6		05/11/2019 12:30	1		ZB-624 (20) 0.18 (mm)
MB 480-472381/7		05/11/2019 12:56	1	S4822.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		05/11/2019 13:35	10		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/11/2019 13:58	20		ZB-624 (20) 0.18 (mm)
480-152909-1		05/11/2019 14:21	1	S4825.D	ZB-624 (20) 0.18 (mm)
480-152909-2		05/11/2019 14:45	20	S4826.D	ZB-624 (20) 0.18 (mm)
480-152909-3		05/11/2019 15:08	1	S4827.D	ZB-624 (20) 0.18 (mm)
480-152909-4		05/11/2019 15:31	40	S4828.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		05/11/2019 15:54	40		ZB-624 (20) 0.18 (mm)
480-152909-6		05/11/2019 16:20	1	S4830.D	ZB-624 (20) 0.18 (mm)
480-152909-7		05/11/2019 16:43	1	S4831.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		05/11/2019 17:06	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/11/2019 17:29	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/11/2019 17:53	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/11/2019 18:16	5		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/11/2019 18:40	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/11/2019 19:03	5		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/11/2019 19:26	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/11/2019 19:49	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/11/2019 20:13	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/11/2019 20:36	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/11/2019 20:59	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/11/2019 21:23	40		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/11/2019 21:46	40		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-152909-1

SDG No.: _____

Instrument ID: HP5973SStart Date: 05/13/2019 08:53Analysis Batch Number: 472454End Date: 05/13/2019 19:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-472454/3		05/13/2019 08:53	1	S4932.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-472454/4		05/13/2019 09:19	1	S4933.D	ZB-624 (20) 0.18 (mm)
CCV 480-472454/5		05/13/2019 09:42	1		ZB-624 (20) 0.18 (mm)
LCS 480-472454/6		05/13/2019 10:05	1	S4935.D	ZB-624 (20) 0.18 (mm)
RL 480-472454/7		05/13/2019 10:28	1		ZB-624 (20) 0.18 (mm)
MB 480-472454/8		05/13/2019 10:51	1	S4937.D	ZB-624 (20) 0.18 (mm)
480-152909-4 DL		05/13/2019 11:35	200	S4938.D	ZB-624 (20) 0.18 (mm)
480-152909-5		05/13/2019 11:58	10	S4939.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 12:21	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 12:45	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 13:08	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 13:32	10		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 13:55	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 14:19	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 14:42	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 15:05	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 15:28	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 15:52	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 16:15	200		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 16:38	50		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 17:01	10		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 17:24	500		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 17:47	200		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 18:11	10		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 18:33	800		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 18:56	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 19:19	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/13/2019 19:43	1		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-152909-1

SDG No.: _____

Instrument ID: HP5975TStart Date: 04/19/2019 16:04Analysis Batch Number: 468875End Date: 04/20/2019 01:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-468875/3		04/19/2019 16:04	1	T0004.D	ZB-624 (20) 0.18 (mm)
IC 480-468875/5		04/19/2019 17:06	1	T0007.D	ZB-624 (20) 0.18 (mm)
IC 480-468875/6		04/19/2019 17:30	1	T0008.D	ZB-624 (20) 0.18 (mm)
IC 480-468875/7		04/19/2019 17:55	1	T0009.D	ZB-624 (20) 0.18 (mm)
IC 480-468875/8		04/19/2019 18:19	1	T0010.D	ZB-624 (20) 0.18 (mm)
IC 480-468875/9		04/19/2019 18:44	1	T0011.D	ZB-624 (20) 0.18 (mm)
ICIS 480-468875/10		04/19/2019 19:08	1	T0012.D	ZB-624 (20) 0.18 (mm)
IC 480-468875/11		04/19/2019 19:32	1	T0013.D	ZB-624 (20) 0.18 (mm)
IC 480-468875/12		04/19/2019 19:57	1	T0014.D	ZB-624 (20) 0.18 (mm)
IC 480-468875/17		04/19/2019 21:59	1		ZB-624 (20) 0.18 (mm)
IC 480-468875/18		04/19/2019 22:23	1		ZB-624 (20) 0.18 (mm)
IC 480-468875/19		04/19/2019 22:47	1		ZB-624 (20) 0.18 (mm)
IC 480-468875/20		04/19/2019 23:12	1		ZB-624 (20) 0.18 (mm)
IC 480-468875/21		04/19/2019 23:36	1		ZB-624 (20) 0.18 (mm)
IC 480-468875/22		04/20/2019 00:01	1		ZB-624 (20) 0.18 (mm)
IC 480-468875/23		04/20/2019 00:25	1		ZB-624 (20) 0.18 (mm)
ICV 480-468875/26		04/20/2019 01:38	1		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-152909-1

SDG No.:

Instrument ID: HP5975T

Start Date: 05/09/2019 20:45

Analysis Batch Number: 472168

End Date: 05/10/2019 07:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-472168/2		05/09/2019 20:45	1	T0724.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-472168/3		05/09/2019 21:09	1	T0725.D	ZB-624 (20) 0.18 (mm)
CCV 480-472168/4		05/09/2019 21:33	1		ZB-624 (20) 0.18 (mm)
LCS 480-472168/5		05/09/2019 22:04	1	T0727.D	ZB-624 (20) 0.18 (mm)
RL 480-472168/8		05/09/2019 23:18	1		ZB-624 (20) 0.18 (mm)
MB 480-472168/9		05/09/2019 23:42	1	T0731.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 00:43	5		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 01:07	20		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 01:32	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 01:56	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 02:20	1		ZB-624 (20) 0.18 (mm)
480-152909-8		05/10/2019 02:45	10	T0738.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 03:10	40		ZB-624 (20) 0.18 (mm)
480-152909-10		05/10/2019 03:34	10	T0740.D	ZB-624 (20) 0.18 (mm)
480-152909-11		05/10/2019 03:58	1	T0741.D	ZB-624 (20) 0.18 (mm)
480-152909-12		05/10/2019 04:27	1	T0742.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 04:52	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 05:16	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 05:40	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 06:05	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 06:53	40		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 07:17	40		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-152909-1

SDG No.: _____

Instrument ID: HP5975TStart Date: 05/10/2019 10:23Analysis Batch Number: 472206End Date: 05/10/2019 19:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-472206/2		05/10/2019 10:23	1	T0751.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-472206/3		05/10/2019 10:50	1	T0752.D	ZB-624 (20) 0.18 (mm)
CCV 480-472206/4		05/10/2019 11:15	1		ZB-624 (20) 0.18 (mm)
LCS 480-472206/5		05/10/2019 11:39	1	T0754.D	ZB-624 (20) 0.18 (mm)
RL 480-472206/6		05/10/2019 12:04	1		ZB-624 (20) 0.18 (mm)
MB 480-472206/7		05/10/2019 12:28	1	T0756.D	ZB-624 (20) 0.18 (mm)
480-152909-8 DL		05/10/2019 13:00	50	T0757.D	ZB-624 (20) 0.18 (mm)
480-152909-9		05/10/2019 13:25	4	T0758.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 13:49	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 14:13	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 14:37	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 15:01	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 15:25	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 15:49	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 16:14	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 16:38	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 17:02	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 17:26	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 17:51	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 18:15	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 18:40	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 19:04	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 19:29	50		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/10/2019 19:54	50		ZB-624 (20) 0.18 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1

SDG No.: _____

Batch Number: 472168 Batch Start Date: 05/09/19 20:45 Batch Analyst: Nowak, Kate-Lynn MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00154	BFB_WRK 00086	GAS CORP mix 00340
BFB 480-472168/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-472168/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-472168/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-472168/9		8260C		5 mL	5 mL				
480-152909-A-8	IW7-050119	8260C	T	5 mL	5 mL	<2 SU			
480-152909-A-10	IW-2-050119	8260C	T	5 mL	5 mL	<2 SU			
480-152909-A-11	VRI-I-050119	8260C	T	5 mL	5 mL	<2 SU			
480-152909-A-12	TRIP BLANK	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	T_8260_IS 00218	T_8260_Surr 00189	AnalysisComment			
BFB 480-472168/2		8260C							
CCVIS 480-472168/3		8260C		1 uL	1 uL				
LCS 480-472168/5		8260C		1 uL	1 uL				
MB 480-472168/9		8260C		1 uL	1 uL				
480-152909-A-8	IW7-050119	8260C	T	1 uL	1 uL	RA @ 50x (DL)			
480-152909-A-10	IW-2-050119	8260C	T	1 uL	1 uL	Targets			
480-152909-A-11	VRI-I-050119	8260C	T	1 uL	1 uL				
480-152909-A-12	TRIP BLANK	8260C	T	1 uL	1 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

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

8260C

Page 1 of 1

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1

SDG No.: _____

Batch Number: 472206 Batch Start Date: 05/10/19 10:23 Batch Analyst: Milligan, Amanda EBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00154	BFB_WRK 00086	GAS CORP mix 00340
BFB 480-472206/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-472206/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-472206/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-472206/7		8260C		5 mL	5 mL				
480-152909-B-8	IW7-050119	8260C	T	5 mL	5 mL	<2 SU			
480-152909-B-9	IW-3-050119	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	T_8260_IS 00218	T_8260_Surr 00189	AnalysisComment			
BFB 480-472206/2		8260C							
CCVIS 480-472206/3		8260C		1 uL	1 uL				
LCS 480-472206/5		8260C		1 uL	1 uL				
MB 480-472206/7		8260C		1 uL	1 uL				
480-152909-B-8	IW7-050119	8260C	T	1 uL	1 uL	DL...Targets			
480-152909-B-9	IW-3-050119	8260C	T	1 uL	1 uL	Reran for C/O and Eflag...Targets			

Batch Notes	

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1

SDG No.: _____

Batch Number: 472381 Batch Start Date: 05/11/19 10:56 Batch Analyst: Moffat, Alyssa MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00154	BFB_WRK 00086	GAS CORP mix 00340
BFB 480-472381/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-472381/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-472381/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-472381/7		8260C		5 mL	5 mL				
480-152909-A-1	GT-14-050219	8260C	T	5 mL	5 mL	<2 SU			
480-152909-A-2	IW-5-050219	8260C	T	5 mL	5 mL	<2 SU			
480-152909-A-3	VRI-2-050219	8260C	T	5 mL	5 mL	<2 SU			
480-152909-A-4	IW-6-050219	8260C	T	5 mL	5 mL	<2 SU			
480-152909-A-6	VRI-3-050219	8260C	T	5 mL	5 mL	<2 SU			
480-152909-A-7	EB-050219	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_IS 00318	S_8260_Surr 00315	AnalysisComment			
BFB 480-472381/2		8260C							
CCVIS 480-472381/3		8260C		1 uL	1 uL				
LCS 480-472381/5		8260C		1 uL	1 uL				
MB 480-472381/7		8260C		1 uL	1 uL				
480-152909-A-1	GT-14-050219	8260C	T	1 uL	1 uL				
480-152909-A-2	IW-5-050219	8260C	T	1 uL	1 uL	Targets			
480-152909-A-3	VRI-2-050219	8260C	T	1 uL	1 uL				
480-152909-A-4	IW-6-050219	8260C	T	1 uL	1 uL	RADL			
480-152909-A-6	VRI-3-050219	8260C	T	1 uL	1 uL				
480-152909-A-7	EB-050219	8260C	T	1 uL	1 uL				

Batch Notes	

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

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1

SDG No.: _____

Batch Number: 472381 Batch Start Date: 05/11/19 10:56 Batch Analyst: Moffat, Alyssa MBatch Method: 8260C Batch End Date: _____

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152909-1

SDG No.: _____

Batch Number: 472454 Batch Start Date: 05/13/19 08:53 Batch Analyst: Milligan, Amanda EBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00154	BFB_WRK 00086	GAS CORP mix 00340
BFB 480-472454/3		8260C		1 uL	1 uL			1 uL	
CCVIS 480-472454/4		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-472454/6		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-472454/8		8260C		5 mL	5 mL				
480-152909-C-4	IW-6-050219	8260C	T	5 mL	5 mL	<2 SU			
480-152909-C-5	IW-4-050219	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_IS 00319	S_8260_Surr 00315	AnalysisComment			
BFB 480-472454/3		8260C							
CCVIS 480-472454/4		8260C		1 uL	1 uL				
LCS 480-472454/6		8260C		1 uL	1 uL				
MB 480-472454/8		8260C		1 uL	1 uL				
480-152909-C-4	IW-6-050219	8260C	T	1 uL	1 uL	DL...Targets			
480-152909-C-5	IW-4-050219	8260C	T	1 uL	1 uL	Reran lower...Targets			

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

Client Information Client Contact: Jessica Steigerwald Company: ARCADIS U.S. Inc. Address: 855 Route 146 Suite 210 City: Clifton Park State, Zip: NY, 12065 Phone: _____ Email: Jessica.Steigerwald@arcadis.com Project Name: GE Rotterdam, NY - GW 2019 Site: _____		Lab PM: JS + KL Devoy, Melissa L. E-Mail: melissa.devo@testamericainc.com Job #: _____		Carrier Tracking No(s): 480-129788-29282.2 Page: Page 2 of 3 Job #: _____	
Analysis Requested					
Due Date Requested: _____ TAT Requested (days): _____ PO #: AP086277.3000.3000S WO #: _____ Project #: 48018160 SSOW#: _____		Preservation Codes: A - HCVI M - Hevane 2 3 3 33 decahydrate 3 3 480-152909 Chain of Custody			
Sample Identification GT-14-050219 IW-5-050219 VRI-3-050219 IW-6-050219 IW-4-050219 VRI-3-050219 EB-050219		Sample Date 5-2-19 5-2-19 5-2-19 5-2-19 5-2-19 5-2-19 5-2-19		Sample Time 1425 1205 1117 920 920 1455 1510	
Matrix (Water, Solid, or Tissue) Water Water Water Water Water Water Water		Sample Type (C=Comp, G=grab) G G G G G G G		Field Filtered Sample (Yes or No) X X X X X X X X	
Preservation Code: A N A A A A A A		Perform MS/MSD (Yes or No) X X X X X X X		8260C - VOCs 8260C - VOCs 8260C - VOCs 8260C - VOCs 8260C - VOCs 8260C - VOCs 8260C - VOCs 8260C - VOCs	
Total Number of Containers 1 1 1 1 1 1 1 1		Special Instructions/Note: _____ _____ _____ _____ _____ _____ _____ _____		L - EDA Z - other (specify) Other: _____	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify) _____					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements: _____					
Empty Kit Relinquished by: _____ Date: _____ Relinquished by: hetti n. nini Date/Time: 5-2-19 4:15pm Relinquished by: Jim Kuo llmeyer Date/Time: 5-2-19 1800 Relinquished by: _____ Date/Time: _____ Company: Arcadis Company: EuroFas TA Company: EuroFas TA Company: EuroFas TA					
Custody Seals Intact: ☒ Yes ☐ No Cooler Temperature(s) °C and Other Remarks: 2.0 #1					

Chain of Custody Record

Albany

#221



Client Information Client Contact: Jessica Steigewald Company: ARCADIS U.S. Inc. Address: 855 Route 146 Suite 210 City: Clifton Park State, Zip: NY, 12065 Phone: _____ Email: Jessica.Steigewald@arcadis.com Project Name: GE Rotterdam, NY - GW 2019 Site: GE Riverview		Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com Carrier Tracking No(s): _____ COC No: 480-129788-29282.3 Page: Page 3 of 3 Job #: _____	
Due Date Requested: TAT Requested (days): 10-day PO #: AP086277.3000.3000S WO #: _____ Project #: 48018160 SSOW #: _____		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify) Other: _____	
Sample Identification Sample ID: TW-7-050119 TW-3-050119 TW-2-050119 VRI-1-050119		Total Number of Containers: 3 Special Instructions/Note: _____	
Sample Details Sample Date: 5-1-19 Sample Time: 3:00 Sample Type: G (C=Comp, G=grab) Matrix: Water Field Filtered Sample (Yes or No): N Perform MS/MSD (Yes or No): N 8260C - VOCs: N 8260C - VOCs: N		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements: _____	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV Other (specify) _____		Empty Kit Relinquished by: Relinquished by: Jessica Steigewald Date/Time: 5/1/19 1820 Company: Eurofins TA Relinquished by: Tim Knollmeyer Date/Time: 5-2-19 1800 Company: Eurofins TA Relinquished by: _____ Date/Time: _____ Company: _____	
Custody Seals Intact: Δ Yes Δ No Custody Seal No.: _____		Method of Shipment: Date/Time: 5-1-19 1820 Date/Time: 5-2-19 1800 Date/Time: _____ Company: Eurofins TA Company: Eurofins TA Company: _____	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-152909-1

Login Number: 152909

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

ANALYTICAL REPORT

Job Number: 480-152979-1

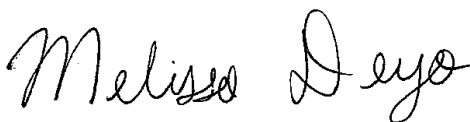
Job Description: GE Rotterdam, NY - GW 2019

Contract Number: TAAT092507-R010110

For:

ARCADIS U.S. Inc
One Lincoln Center
110 West Fayette St, Suite 300
Syracuse, NY 13202

Attention: Ms. Suzie Ellsworth



Approved for release.
Melissa L Deyo
Project Manager I
5/17/2019 5:29 PM

Melissa L Deyo, Project Manager I
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9874
melissa.deyo@testamericainc.com
05/17/2019

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

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Job Narrative
480-152979-1

Receipt

The samples were received on 5/4/2019 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.4° C.

GC/MS VOA

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: GT-9R-050319 (480-152979-1). 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: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-152979-1	GT-9R-050319	Water	05/03/19 11:25	05/04/19 01:00
480-152979-2	GT-16-050319	Water	05/03/19 13:50	05/04/19 01:00
480-152979-3	DUP-050319	Water	05/03/19 00:00	05/04/19 01:00
480-152979-4	GT-15-050319	Water	05/03/19 12:00	05/04/19 01:00
480-152979-5	GT-7-050319	Water	05/03/19 13:45	05/04/19 01:00
480-152979-6	VRI-9-050319	Water	05/03/19 08:15	05/04/19 01:00
480-152979-7	Trip Blank	Water	05/03/19 00:00	05/04/19 01:00

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: GT-9R-050319

Lab Sample ID: 480-152979-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	8.3		4.0	3.0	ug/L			4	8260C	Total/NA
1,3,5-Trimethylbenzene	8.8		4.0	3.1	ug/L			4	8260C	Total/NA
Xylenes, Total	8.8		8.0	2.6	ug/L			4	8260C	Total/NA

Client Sample ID: GT-16-050319

Lab Sample ID: 480-152979-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Carbon tetrachloride	0.38	J	1.0	0.27	ug/L			1	8260C	Total/NA
Chloroform	2.9		1.0	0.34	ug/L			1	8260C	Total/NA
Trichloroethene	3.9		1.0	0.46	ug/L			1	8260C	Total/NA

Client Sample ID: DUP-050319

Lab Sample ID: 480-152979-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Carbon tetrachloride	0.59	J	1.0	0.27	ug/L			1	8260C	Total/NA
Chloroform	2.7		1.0	0.34	ug/L			1	8260C	Total/NA
Trichloroethene	3.8		1.0	0.46	ug/L			1	8260C	Total/NA

Client Sample ID: GT-15-050319

Lab Sample ID: 480-152979-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	3.4	F1	1.0	0.46	ug/L			1	8260C	Total/NA

Client Sample ID: GT-7-050319

Lab Sample ID: 480-152979-5

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

Client Sample ID: VRI-9-050319

Lab Sample ID: 480-152979-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	18		1.0	0.75	ug/L			1	8260C	Total/NA
1,3,5-Trimethylbenzene	7.7		1.0	0.77	ug/L			1	8260C	Total/NA
Isopropylbenzene	1.0		1.0	0.79	ug/L			1	8260C	Total/NA
N-Propylbenzene	1.5		1.0	0.69	ug/L			1	8260C	Total/NA
Xylenes, Total	11		2.0	0.66	ug/L			1	8260C	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-152979-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

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

Protocol References:

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

Laboratory References:

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

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: GT-9R-050319

Lab Sample ID: 480-152979-1

Date Collected: 05/03/19 11:25

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			05/14/19 23:53	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			05/14/19 23:53	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			05/14/19 23:53	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			05/14/19 23:53	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			05/14/19 23:53	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			05/14/19 23:53	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			05/14/19 23:53	4
1,2,4-Trimethylbenzene	8.3		4.0	3.0	ug/L			05/14/19 23:53	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			05/14/19 23:53	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			05/14/19 23:53	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			05/14/19 23:53	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			05/14/19 23:53	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			05/14/19 23:53	4
1,3,5-Trimethylbenzene	8.8		4.0	3.1	ug/L			05/14/19 23:53	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			05/14/19 23:53	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			05/14/19 23:53	4
2-Butanone (MEK)	ND		40	5.3	ug/L			05/14/19 23:53	4
2-Hexanone	ND		20	5.0	ug/L			05/14/19 23:53	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			05/14/19 23:53	4
Acetone	ND		40	12	ug/L			05/14/19 23:53	4
Benzene	ND		4.0	1.6	ug/L			05/14/19 23:53	4
Bromodichloromethane	ND		4.0	1.6	ug/L			05/14/19 23:53	4
Bromoform	ND		4.0	1.0	ug/L			05/14/19 23:53	4
Bromomethane	ND		4.0	2.8	ug/L			05/14/19 23:53	4
Carbon disulfide	ND		4.0	0.76	ug/L			05/14/19 23:53	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			05/14/19 23:53	4
Chlorobenzene	ND		4.0	3.0	ug/L			05/14/19 23:53	4
Chloroethane	ND		4.0	1.3	ug/L			05/14/19 23:53	4
Chloroform	ND		4.0	1.4	ug/L			05/14/19 23:53	4
Chloromethane	ND		4.0	1.4	ug/L			05/14/19 23:53	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			05/14/19 23:53	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			05/14/19 23:53	4
Cyclohexane	ND		4.0	0.72	ug/L			05/14/19 23:53	4
Dibromochloromethane	ND		4.0	1.3	ug/L			05/14/19 23:53	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			05/14/19 23:53	4
Ethylbenzene	ND		4.0	3.0	ug/L			05/14/19 23:53	4
Isopropylbenzene	ND		4.0	3.2	ug/L			05/14/19 23:53	4
Methyl acetate	ND		10	5.2	ug/L			05/14/19 23:53	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			05/14/19 23:53	4
Methylcyclohexane	ND		4.0	0.64	ug/L			05/14/19 23:53	4
Methylene Chloride	ND		4.0	1.8	ug/L			05/14/19 23:53	4
N-Propylbenzene	ND		4.0	2.8	ug/L			05/14/19 23:53	4
Styrene	ND		4.0	2.9	ug/L			05/14/19 23:53	4
Tetrachloroethene	ND		4.0	1.4	ug/L			05/14/19 23:53	4
Toluene	ND		4.0	2.0	ug/L			05/14/19 23:53	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			05/14/19 23:53	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			05/14/19 23:53	4
Trichloroethene	ND		4.0	1.8	ug/L			05/14/19 23:53	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			05/14/19 23:53	4

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: GT-9R-050319

Lab Sample ID: 480-152979-1

Date Collected: 05/03/19 11:25

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		4.0	3.6	ug/L			05/14/19 23:53	4
Xylenes, Total	8.8		8.0	2.6	ug/L			05/14/19 23:53	4

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120					05/14/19 23:53	4
4-Bromofluorobenzene (Surr)	107		73 - 120					05/14/19 23:53	4
Dibromofluoromethane (Surr)	115		75 - 123					05/14/19 23:53	4
Toluene-d8 (Surr)	99		80 - 120					05/14/19 23:53	4

Client Sample ID: GT-16-050319

Lab Sample ID: 480-152979-2

Date Collected: 05/03/19 13:50

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/15/19 00:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/19 00:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/19 00:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/19 00:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/15/19 00:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/15/19 00:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/19 00:18	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/15/19 00:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/19 00:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/19 00:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/19 00:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/19 00:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/19 00:18	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/15/19 00:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/19 00:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/19 00:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/19 00:18	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/19 00:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/19 00:18	1
Acetone	ND		10	3.0	ug/L			05/15/19 00:18	1
Benzene	ND		1.0	0.41	ug/L			05/15/19 00:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/15/19 00:18	1
Bromoform	ND		1.0	0.26	ug/L			05/15/19 00:18	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/19 00:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/19 00:18	1
Carbon tetrachloride	0.38	J	1.0	0.27	ug/L			05/15/19 00:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/15/19 00:18	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/19 00:18	1
Chloroform	2.9		1.0	0.34	ug/L			05/15/19 00:18	1
Chloromethane	ND		1.0	0.35	ug/L			05/15/19 00:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/15/19 00:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/19 00:18	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/19 00:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/15/19 00:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/19 00:18	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: GT-16-050319

Lab Sample ID: 480-152979-2

Date Collected: 05/03/19 13:50

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/19 00:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/15/19 00:18	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/19 00:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/19 00:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/19 00:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/19 00:18	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/15/19 00:18	1
Styrene	ND		1.0	0.73	ug/L			05/15/19 00:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/19 00:18	1
Toluene	ND		1.0	0.51	ug/L			05/15/19 00:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/15/19 00:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/19 00:18	1
Trichloroethene	3.9		1.0	0.46	ug/L			05/15/19 00:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/19 00:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/19 00:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/15/19 00:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		05/15/19 00:18	1
4-Bromofluorobenzene (Surr)	103		73 - 120		05/15/19 00:18	1
Dibromofluoromethane (Surr)	111		75 - 123		05/15/19 00:18	1
Toluene-d8 (Surr)	95		80 - 120		05/15/19 00:18	1

Client Sample ID: DUP-050319

Lab Sample ID: 480-152979-3

Date Collected: 05/03/19 00:00

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/15/19 00:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/19 00:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/19 00:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/19 00:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/15/19 00:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/15/19 00:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/19 00:42	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/15/19 00:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/19 00:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/19 00:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/19 00:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/19 00:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/19 00:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/15/19 00:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/19 00:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/19 00:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/19 00:42	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/19 00:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/19 00:42	1
Acetone	ND		10	3.0	ug/L			05/15/19 00:42	1
Benzene	ND		1.0	0.41	ug/L			05/15/19 00:42	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: DUP-050319

Lab Sample ID: 480-152979-3

Date Collected: 05/03/19 00:00

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			05/15/19 00:42	1
Bromoform	ND		1.0	0.26	ug/L			05/15/19 00:42	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/19 00:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/19 00:42	1
Carbon tetrachloride	0.59	J	1.0	0.27	ug/L			05/15/19 00:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/15/19 00:42	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/19 00:42	1
Chloroform	2.7		1.0	0.34	ug/L			05/15/19 00:42	1
Chloromethane	ND		1.0	0.35	ug/L			05/15/19 00:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/15/19 00:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/19 00:42	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/19 00:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/15/19 00:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/19 00:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/19 00:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/15/19 00:42	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/19 00:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/19 00:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/19 00:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/19 00:42	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/15/19 00:42	1
Styrene	ND		1.0	0.73	ug/L			05/15/19 00:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/19 00:42	1
Toluene	ND		1.0	0.51	ug/L			05/15/19 00:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/15/19 00:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/19 00:42	1
Trichloroethene	3.8		1.0	0.46	ug/L			05/15/19 00:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/19 00:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/19 00:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/15/19 00:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		05/15/19 00:42	1
4-Bromofluorobenzene (Surr)	103		73 - 120		05/15/19 00:42	1
Dibromofluoromethane (Surr)	110		75 - 123		05/15/19 00:42	1
Toluene-d8 (Surr)	97		80 - 120		05/15/19 00:42	1

Client Sample ID: GT-15-050319

Lab Sample ID: 480-152979-4

Date Collected: 05/03/19 12:00

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F1	1.0	0.82	ug/L			05/15/19 01:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/19 01:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/19 01:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/19 01:06	1
1,1-Dichloroethane	ND	F1	1.0	0.38	ug/L			05/15/19 01:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/15/19 01:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/19 01:06	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: GT-15-050319

Lab Sample ID: 480-152979-4

Date Collected: 05/03/19 12:00

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/15/19 01:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/19 01:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/19 01:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/19 01:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/19 01:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/19 01:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/15/19 01:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/19 01:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/19 01:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/19 01:06	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/19 01:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/19 01:06	1
Acetone	ND		10	3.0	ug/L			05/15/19 01:06	1
Benzene	ND		1.0	0.41	ug/L			05/15/19 01:06	1
Bromodichloromethane	ND	F1	1.0	0.39	ug/L			05/15/19 01:06	1
Bromoform	ND	F1	1.0	0.26	ug/L			05/15/19 01:06	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/19 01:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/19 01:06	1
Carbon tetrachloride	ND	F1	1.0	0.27	ug/L			05/15/19 01:06	1
Chlorobenzene	ND	F1	1.0	0.75	ug/L			05/15/19 01:06	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/19 01:06	1
Chloroform	ND		1.0	0.34	ug/L			05/15/19 01:06	1
Chloromethane	ND	F1	1.0	0.35	ug/L			05/15/19 01:06	1
cis-1,2-Dichloroethene	ND	F1	1.0	0.81	ug/L			05/15/19 01:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/19 01:06	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/19 01:06	1
Dibromochloromethane	ND	F1	1.0	0.32	ug/L			05/15/19 01:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/19 01:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/19 01:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/15/19 01:06	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/19 01:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/19 01:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/19 01:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/19 01:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/15/19 01:06	1
Styrene	ND	F1	1.0	0.73	ug/L			05/15/19 01:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/19 01:06	1
Toluene	ND		1.0	0.51	ug/L			05/15/19 01:06	1
trans-1,2-Dichloroethene	ND	F1	1.0	0.90	ug/L			05/15/19 01:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/19 01:06	1
Trichloroethene	3.4	F1	1.0	0.46	ug/L			05/15/19 01:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/19 01:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/19 01:06	1
Xylenes, Total	ND	F1	2.0	0.66	ug/L			05/15/19 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		05/15/19 01:06	1
4-Bromofluorobenzene (Surr)	100		73 - 120		05/15/19 01:06	1
Dibromofluoromethane (Surr)	108		75 - 123		05/15/19 01:06	1
Toluene-d8 (Surr)	97		80 - 120		05/15/19 01:06	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: GT-7-050319

Lab Sample ID: 480-152979-5

Date Collected: 05/03/19 13:45

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/15/19 01:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/19 01:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/19 01:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/19 01:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/15/19 01:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/15/19 01:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/19 01:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/15/19 01:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/19 01:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/19 01:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/19 01:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/19 01:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/19 01:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/15/19 01:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/19 01:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/19 01:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/19 01:29	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/19 01:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/19 01:29	1
Acetone	ND		10	3.0	ug/L			05/15/19 01:29	1
Benzene	ND		1.0	0.41	ug/L			05/15/19 01:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/15/19 01:29	1
Bromoform	ND		1.0	0.26	ug/L			05/15/19 01:29	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/19 01:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/19 01:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/15/19 01:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/15/19 01:29	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/19 01:29	1
Chloroform	0.46	J	1.0	0.34	ug/L			05/15/19 01:29	1
Chloromethane	ND		1.0	0.35	ug/L			05/15/19 01:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/15/19 01:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/19 01:29	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/19 01:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/15/19 01:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/19 01:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/19 01:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/15/19 01:29	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/19 01:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/19 01:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/19 01:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/19 01:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/15/19 01:29	1
Styrene	ND		1.0	0.73	ug/L			05/15/19 01:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/19 01:29	1
Toluene	ND		1.0	0.51	ug/L			05/15/19 01:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/15/19 01:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/19 01:29	1
Trichloroethene	ND		1.0	0.46	ug/L			05/15/19 01:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/19 01:29	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: GT-7-050319

Lab Sample ID: 480-152979-5

Date Collected: 05/03/19 13:45

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/19 01:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/15/19 01:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		05/15/19 01:29	1
4-Bromofluorobenzene (Surr)	106		73 - 120		05/15/19 01:29	1
Dibromofluoromethane (Surr)	119		75 - 123		05/15/19 01:29	1
Toluene-d8 (Surr)	97		80 - 120		05/15/19 01:29	1

Client Sample ID: VRI-9-050319

Lab Sample ID: 480-152979-6

Date Collected: 05/03/19 08:15

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/15/19 11:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/19 11:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/19 11:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/19 11:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/15/19 11:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/15/19 11:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/19 11:45	1
1,2,4-Trimethylbenzene	18		1.0	0.75	ug/L			05/15/19 11:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/19 11:45	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/19 11:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/19 11:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/19 11:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/19 11:45	1
1,3,5-Trimethylbenzene	7.7		1.0	0.77	ug/L			05/15/19 11:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/19 11:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/19 11:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/19 11:45	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/19 11:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/19 11:45	1
Acetone	ND		10	3.0	ug/L			05/15/19 11:45	1
Benzene	ND		1.0	0.41	ug/L			05/15/19 11:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/15/19 11:45	1
Bromoform	ND		1.0	0.26	ug/L			05/15/19 11:45	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/19 11:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/19 11:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/15/19 11:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/15/19 11:45	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/19 11:45	1
Chloroform	ND		1.0	0.34	ug/L			05/15/19 11:45	1
Chloromethane	ND		1.0	0.35	ug/L			05/15/19 11:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/15/19 11:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/19 11:45	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/19 11:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/15/19 11:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/19 11:45	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: VRI-9-050319

Lab Sample ID: 480-152979-6

Date Collected: 05/03/19 08:15

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/19 11:45	1
Isopropylbenzene	1.0		1.0	0.79	ug/L			05/15/19 11:45	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/19 11:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/19 11:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/19 11:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/19 11:45	1
N-Propylbenzene	1.5		1.0	0.69	ug/L			05/15/19 11:45	1
Styrene	ND		1.0	0.73	ug/L			05/15/19 11:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/19 11:45	1
Toluene	ND		1.0	0.51	ug/L			05/15/19 11:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/15/19 11:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/19 11:45	1
Trichloroethene	ND		1.0	0.46	ug/L			05/15/19 11:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/19 11:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/19 11:45	1
Xylenes, Total	11		2.0	0.66	ug/L			05/15/19 11:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		05/15/19 11:45	1
4-Bromofluorobenzene (Surr)	107		73 - 120		05/15/19 11:45	1
Dibromofluoromethane (Surr)	108		75 - 123		05/15/19 11:45	1
Toluene-d8 (Surr)	97		80 - 120		05/15/19 11:45	1

Client Sample ID: Trip Blank

Lab Sample ID: 480-152979-7

Date Collected: 05/03/19 00:00

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/15/19 02:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/19 02:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/19 02:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/19 02:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/15/19 02:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/15/19 02:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/19 02:17	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/15/19 02:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/19 02:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/19 02:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/19 02:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/19 02:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/19 02:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/15/19 02:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/19 02:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/19 02:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/19 02:17	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/19 02:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/19 02:17	1
Acetone	ND		10	3.0	ug/L			05/15/19 02:17	1
Benzene	ND		1.0	0.41	ug/L			05/15/19 02:17	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-152979-7

Date Collected: 05/03/19 00:00

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			05/15/19 02:17	1
Bromoform	ND		1.0	0.26	ug/L			05/15/19 02:17	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/19 02:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/19 02:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/15/19 02:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/15/19 02:17	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/19 02:17	1
Chloroform	ND		1.0	0.34	ug/L			05/15/19 02:17	1
Chloromethane	ND		1.0	0.35	ug/L			05/15/19 02:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/15/19 02:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/19 02:17	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/19 02:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/15/19 02:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/19 02:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/19 02:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/15/19 02:17	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/19 02:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/19 02:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/19 02:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/19 02:17	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/15/19 02:17	1
Styrene	ND		1.0	0.73	ug/L			05/15/19 02:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/19 02:17	1
Toluene	ND		1.0	0.51	ug/L			05/15/19 02:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/15/19 02:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/19 02:17	1
Trichloroethene	ND		1.0	0.46	ug/L			05/15/19 02:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/19 02:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/19 02:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/15/19 02:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		05/15/19 02:17	1
4-Bromofluorobenzene (Surr)	101		73 - 120		05/15/19 02:17	1
Dibromofluoromethane (Surr)	114		75 - 123		05/15/19 02:17	1
Toluene-d8 (Surr)	95		80 - 120		05/15/19 02:17	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-152979-1	GT-9R-050319	101	107	115	99
480-152979-2	GT-16-050319	102	103	111	95
480-152979-3	DUP-050319	104	103	110	97
480-152979-4	GT-15-050319	99	100	108	97
480-152979-4 MS	GT-15-050319	101	108	113	103
480-152979-4 MSD	GT-15-050319	105	108	114	97
480-152979-5	GT-7-050319	110	106	119	97
480-152979-6	VRI-9-050319	101	107	108	97
480-152979-7	Trip Blank	111	101	114	95
LCS 480-472817/5	Lab Control Sample	101	109	112	101
LCS 480-472891/5	Lab Control Sample	104	111	108	100
MB 480-472817/7	Method Blank	100	107	106	96
MB 480-472891/7	Method Blank	98	105	110	97

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

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

Lab Sample ID: MB 480-472817/7

Matrix: Water

Analysis Batch: 472817

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			05/14/19 23:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/14/19 23:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/14/19 23:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/14/19 23:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/14/19 23:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/14/19 23:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/14/19 23:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/14/19 23:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/14/19 23:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/14/19 23:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/14/19 23:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/14/19 23:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/14/19 23:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/14/19 23:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/14/19 23:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/14/19 23:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/14/19 23:29	1
2-Hexanone	ND		5.0	1.2	ug/L			05/14/19 23:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/14/19 23:29	1
Acetone	ND		10	3.0	ug/L			05/14/19 23:29	1
Benzene	ND		1.0	0.41	ug/L			05/14/19 23:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/14/19 23:29	1
Bromoform	ND		1.0	0.26	ug/L			05/14/19 23:29	1
Bromomethane	ND		1.0	0.69	ug/L			05/14/19 23:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/14/19 23:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/14/19 23:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/14/19 23:29	1
Chloroethane	ND		1.0	0.32	ug/L			05/14/19 23:29	1
Chloroform	ND		1.0	0.34	ug/L			05/14/19 23:29	1
Chloromethane	ND		1.0	0.35	ug/L			05/14/19 23:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/14/19 23:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/14/19 23:29	1
Cyclohexane	ND		1.0	0.18	ug/L			05/14/19 23:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/14/19 23:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/14/19 23:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/14/19 23:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/14/19 23:29	1
Methyl acetate	ND		2.5	1.3	ug/L			05/14/19 23:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/14/19 23:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/14/19 23:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/14/19 23:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/14/19 23:29	1
Styrene	ND		1.0	0.73	ug/L			05/14/19 23:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/14/19 23:29	1
Toluene	ND		1.0	0.51	ug/L			05/14/19 23:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/14/19 23:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/14/19 23:29	1
Trichloroethene	ND		1.0	0.46	ug/L			05/14/19 23:29	1

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

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

Lab Sample ID: MB 480-472817/7

Matrix: Water

Analysis Batch: 472817

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/14/19 23:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/14/19 23:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/14/19 23:29	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120					05/14/19 23:29	1
4-Bromofluorobenzene (Surr)	107		73 - 120					05/14/19 23:29	1
Dibromofluoromethane (Surr)	106		75 - 123					05/14/19 23:29	1
Toluene-d8 (Surr)	96		80 - 120					05/14/19 23:29	1

Lab Sample ID: LCS 480-472817/5

Matrix: Water

Analysis Batch: 472817

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	29.0		ug/L		116	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.6		ug/L		94	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.9		ug/L		111	61 - 148
1,1,2-Trichloroethane	25.0	25.4		ug/L		102	76 - 122
1,1-Dichloroethane	25.0	25.9		ug/L		103	77 - 120
1,1-Dichloroethene	25.0	26.6		ug/L		106	66 - 127
1,2,4-Trichlorobenzene	25.0	26.5		ug/L		106	79 - 122
1,2,4-Trimethylbenzene	25.0	24.6		ug/L		98	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	26.7		ug/L		107	56 - 134
1,2-Dibromoethane	25.0	25.8		ug/L		103	77 - 120
1,2-Dichlorobenzene	25.0	25.2		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	25.6		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	25.2		ug/L		101	76 - 120
1,3,5-Trimethylbenzene	25.0	24.9		ug/L		100	77 - 121
1,3-Dichlorobenzene	25.0	24.7		ug/L		99	77 - 120
1,4-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 120
2-Butanone (MEK)	125	136		ug/L		109	57 - 140
2-Hexanone	125	131		ug/L		105	65 - 127
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	71 - 125
Acetone	125	148		ug/L		119	56 - 142
Benzene	25.0	25.5		ug/L		102	71 - 124
Bromodichloromethane	25.0	26.3		ug/L		105	80 - 122
Bromoform	25.0	29.5		ug/L		118	61 - 132
Bromomethane	25.0	26.6		ug/L		106	55 - 144
Carbon disulfide	25.0	26.6		ug/L		106	59 - 134
Carbon tetrachloride	25.0	29.7		ug/L		119	72 - 134
Chlorobenzene	25.0	25.9		ug/L		104	80 - 120
Chloroethane	25.0	26.3		ug/L		105	69 - 136
Chloroform	25.0	25.7		ug/L		103	73 - 127
Chloromethane	25.0	29.0		ug/L		116	68 - 124
cis-1,2-Dichloroethene	25.0	27.5		ug/L		110	74 - 124
cis-1,3-Dichloropropene	25.0	25.5		ug/L		102	74 - 124
Cyclohexane	25.0	26.1		ug/L		104	59 - 135

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

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

Lab Sample ID: LCS 480-472817/5

Matrix: Water

Analysis Batch: 472817

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibromochloromethane	25.0	28.8		ug/L		115	75 - 125
Dichlorodifluoromethane	25.0	28.7		ug/L		115	59 - 135
Ethylbenzene	25.0	26.0		ug/L		104	77 - 123
Isopropylbenzene	25.0	24.5		ug/L		98	77 - 122
Methyl acetate	50.0	51.1		ug/L		102	74 - 133
Methyl tert-butyl ether	25.0	24.6		ug/L		98	77 - 120
Methylcyclohexane	25.0	27.4		ug/L		109	68 - 134
Methylene Chloride	25.0	26.3		ug/L		105	75 - 124
N-Propylbenzene	25.0	24.1		ug/L		96	75 - 127
Styrene	25.0	26.5		ug/L		106	80 - 120
Tetrachloroethene	25.0	27.1		ug/L		108	74 - 122
Toluene	25.0	25.0		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	73 - 127
trans-1,3-Dichloropropene	25.0	24.4		ug/L		98	80 - 120
Trichloroethene	25.0	27.0		ug/L		108	74 - 123
Trichlorofluoromethane	25.0	28.5		ug/L		114	62 - 150
Vinyl chloride	25.0	27.0		ug/L		108	65 - 133

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

Lab Sample ID: 480-152979-4 MS

Matrix: Water

Analysis Batch: 472817

Client Sample ID: GT-15-050319

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	F1	25.0	33.3	F1	ug/L		133	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	26.5		ug/L		106	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	27.3		ug/L		109	61 - 148
1,1,2-Trichloroethane	ND		25.0	29.0		ug/L		116	76 - 122
1,1-Dichloroethane	ND	F1	25.0	30.9	F1	ug/L		124	77 - 120
1,1-Dichloroethene	ND		25.0	31.2		ug/L		125	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	28.2		ug/L		113	79 - 122
1,2,4-Trimethylbenzene	ND		25.0	28.3		ug/L		113	76 - 121
1,2-Dibromo-3-Chloropropane	ND		25.0	29.4		ug/L		118	56 - 134
1,2-Dibromoethane	ND		25.0	28.9		ug/L		116	77 - 120
1,2-Dichlorobenzene	ND		25.0	27.5		ug/L		110	80 - 124
1,2-Dichloroethane	ND		25.0	29.6		ug/L		118	75 - 120
1,2-Dichloropropane	ND		25.0	28.6		ug/L		114	76 - 120
1,3,5-Trimethylbenzene	ND		25.0	28.3		ug/L		113	77 - 121
1,3-Dichlorobenzene	ND		25.0	26.9		ug/L		108	77 - 120
1,4-Dichlorobenzene	ND		25.0	27.6		ug/L		111	78 - 124
2-Butanone (MEK)	ND		125	140		ug/L		112	57 - 140
2-Hexanone	ND		125	142		ug/L		114	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	135		ug/L		108	71 - 125

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

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

Lab Sample ID: 480-152979-4 MS

Matrix: Water

Analysis Batch: 472817

Client Sample ID: GT-15-050319

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		125	137		ug/L		109	56 - 142
Benzene	ND		25.0	30.0		ug/L		120	71 - 124
Bromodichloromethane	ND	F1	25.0	32.5	F1	ug/L		130	80 - 122
Bromoform	ND	F1	25.0	33.2	F1	ug/L		133	61 - 132
Bromomethane	ND		25.0	29.3		ug/L		117	55 - 144
Carbon disulfide	ND		25.0	31.8		ug/L		127	59 - 134
Carbon tetrachloride	ND	F1	25.0	34.9	F1	ug/L		140	72 - 134
Chlorobenzene	ND	F1	25.0	30.8	F1	ug/L		123	80 - 120
Chloroethane	ND		25.0	29.5		ug/L		118	69 - 136
Chloroform	ND		25.0	30.0		ug/L		120	73 - 127
Chloromethane	ND	F1	25.0	34.6	F1	ug/L		139	68 - 124
cis-1,2-Dichloroethene	ND	F1	25.0	32.1	F1	ug/L		128	74 - 124
cis-1,3-Dichloropropene	ND		25.0	27.7		ug/L		111	74 - 124
Cyclohexane	ND		25.0	27.0		ug/L		108	59 - 135
Dibromochloromethane	ND	F1	25.0	32.3	F1	ug/L		129	75 - 125
Dichlorodifluoromethane	ND		25.0	30.3		ug/L		121	59 - 135
Ethylbenzene	ND		25.0	29.9		ug/L		120	77 - 123
Isopropylbenzene	ND		25.0	27.8		ug/L		111	77 - 122
Methyl acetate	ND		50.0	52.1		ug/L		104	74 - 133
Methyl tert-butyl ether	ND		25.0	27.3		ug/L		109	77 - 120
Methylcyclohexane	ND		25.0	27.1		ug/L		109	68 - 134
Methylene Chloride	ND		25.0	30.8		ug/L		123	75 - 124
N-Propylbenzene	ND		25.0	26.8		ug/L		107	75 - 127
Styrene	ND	F1	25.0	31.0	F1	ug/L		124	80 - 120
Tetrachloroethene	ND		25.0	30.4		ug/L		122	74 - 122
Toluene	ND		25.0	29.2		ug/L		117	80 - 122
trans-1,2-Dichloroethene	ND	F1	25.0	32.2	F1	ug/L		129	73 - 127
trans-1,3-Dichloropropene	ND		25.0	26.9		ug/L		108	80 - 120
Trichloroethene	3.4	F1	25.0	35.7	F1	ug/L		129	74 - 123
Trichlorofluoromethane	ND		25.0	31.3		ug/L		125	62 - 150
Vinyl chloride	ND		25.0	30.8		ug/L		123	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	108		73 - 120
Dibromofluoromethane (Surr)	113		75 - 123
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: 480-152979-4 MSD

Matrix: Water

Analysis Batch: 472817

Client Sample ID: GT-15-050319

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	F1	25.0	32.7	F1	ug/L		131	73 - 126	2	15
1,1,1,2-Tetrachloroethane	ND		25.0	25.7		ug/L		103	76 - 120	3	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	27.0		ug/L		108	61 - 148	1	20
1,1,2-Trichloroethane	ND		25.0	26.9		ug/L		108	76 - 122	7	15
1,1-Dichloroethane	ND	F1	25.0	29.9		ug/L		120	77 - 120	3	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

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

Lab Sample ID: 480-152979-4 MSD

Matrix: Water

Analysis Batch: 472817

Client Sample ID: GT-15-050319

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		25.0	31.1		ug/L		124	66 - 127	0	16
1,2,4-Trichlorobenzene	ND		25.0	27.7		ug/L		111	79 - 122	2	20
1,2,4-Trimethylbenzene	ND		25.0	27.6		ug/L		111	76 - 121	3	20
1,2-Dibromo-3-Chloropropane	ND		25.0	28.8		ug/L		115	56 - 134	2	15
1,2-Dibromoethane	ND		25.0	27.5		ug/L		110	77 - 120	5	15
1,2-Dichlorobenzene	ND		25.0	26.6		ug/L		107	80 - 124	3	20
1,2-Dichloroethane	ND		25.0	28.6		ug/L		114	75 - 120	3	20
1,2-Dichloropropane	ND		25.0	28.0		ug/L		112	76 - 120	2	20
1,3,5-Trimethylbenzene	ND		25.0	27.2		ug/L		109	77 - 121	4	20
1,3-Dichlorobenzene	ND		25.0	27.1		ug/L		108	77 - 120	1	20
1,4-Dichlorobenzene	ND		25.0	26.5		ug/L		106	78 - 124	4	20
2-Butanone (MEK)	ND		125	138		ug/L		110	57 - 140	2	20
2-Hexanone	ND		125	137		ug/L		110	65 - 127	4	15
4-Methyl-2-pentanone (MIBK)	ND		125	125		ug/L		100	71 - 125	7	35
Acetone	ND		125	135		ug/L		108	56 - 142	1	15
Benzene	ND		25.0	28.8		ug/L		115	71 - 124	4	13
Bromodichloromethane	ND	F1	25.0	29.6		ug/L		118	80 - 122	9	15
Bromoform	ND	F1	25.0	32.4		ug/L		130	61 - 132	3	15
Bromomethane	ND		25.0	29.5		ug/L		118	55 - 144	1	15
Carbon disulfide	ND		25.0	30.9		ug/L		124	59 - 134	3	15
Carbon tetrachloride	ND	F1	25.0	34.2	F1	ug/L		137	72 - 134	2	15
Chlorobenzene	ND	F1	25.0	28.0		ug/L		112	80 - 120	9	25
Chloroethane	ND		25.0	30.4		ug/L		122	69 - 136	3	15
Chloroform	ND		25.0	29.3		ug/L		117	73 - 127	2	20
Chloromethane	ND	F1	25.0	35.1	F1	ug/L		140	68 - 124	1	15
cis-1,2-Dichloroethene	ND	F1	25.0	30.7		ug/L		123	74 - 124	4	15
cis-1,3-Dichloropropene	ND		25.0	26.6		ug/L		106	74 - 124	4	15
Cyclohexane	ND		25.0	27.1		ug/L		108	59 - 135	0	20
Dibromochloromethane	ND	F1	25.0	31.2		ug/L		125	75 - 125	4	15
Dichlorodifluoromethane	ND		25.0	29.2		ug/L		117	59 - 135	4	20
Ethylbenzene	ND		25.0	28.4		ug/L		113	77 - 123	5	15
Isopropylbenzene	ND		25.0	27.7		ug/L		111	77 - 122	0	20
Methyl acetate	ND		50.0	50.5		ug/L		101	74 - 133	3	20
Methyl tert-butyl ether	ND		25.0	26.3		ug/L		105	77 - 120	4	37
Methylcyclohexane	ND		25.0	26.9		ug/L		108	68 - 134	1	20
Methylene Chloride	ND		25.0	29.9		ug/L		120	75 - 124	3	15
N-Propylbenzene	ND		25.0	26.5		ug/L		106	75 - 127	1	15
Styrene	ND	F1	25.0	29.0		ug/L		116	80 - 120	7	20
Tetrachloroethene	ND		25.0	28.6		ug/L		114	74 - 122	6	20
Toluene	ND		25.0	27.4		ug/L		109	80 - 122	6	15
trans-1,2-Dichloroethene	ND	F1	25.0	30.5		ug/L		122	73 - 127	5	20
trans-1,3-Dichloropropene	ND		25.0	25.8		ug/L		103	80 - 120	4	15
Trichloroethene	3.4	F1	25.0	33.9		ug/L		122	74 - 123	5	16
Trichlorofluoromethane	ND		25.0	31.7		ug/L		127	62 - 150	1	20
Vinyl chloride	ND		25.0	32.8		ug/L		131	65 - 133	6	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		77 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

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

Lab Sample ID: 480-152979-4 MSD

Matrix: Water

Analysis Batch: 472817

Client Sample ID: GT-15-050319

Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		73 - 120
Dibromofluoromethane (Surr)	114		75 - 123
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: MB 480-472891/7

Matrix: Water

Analysis Batch: 472891

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			05/15/19 11:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/19 11:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/19 11:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/19 11:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/15/19 11:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/15/19 11:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/19 11:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/15/19 11:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/19 11:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/19 11:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/19 11:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/19 11:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/19 11:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/15/19 11:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/19 11:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/19 11:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/19 11:10	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/19 11:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/19 11:10	1
Acetone	ND		10	3.0	ug/L			05/15/19 11:10	1
Benzene	ND		1.0	0.41	ug/L			05/15/19 11:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/15/19 11:10	1
Bromoform	ND		1.0	0.26	ug/L			05/15/19 11:10	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/19 11:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/19 11:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/15/19 11:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/15/19 11:10	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/19 11:10	1
Chloroform	ND		1.0	0.34	ug/L			05/15/19 11:10	1
Chloromethane	ND		1.0	0.35	ug/L			05/15/19 11:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/15/19 11:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/19 11:10	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/19 11:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/15/19 11:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/19 11:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/19 11:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/15/19 11:10	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/19 11:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/19 11:10	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

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

Lab Sample ID: MB 480-472891/7

Matrix: Water

Analysis Batch: 472891

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/19 11:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/19 11:10	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/15/19 11:10	1
Styrene	ND		1.0	0.73	ug/L			05/15/19 11:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/19 11:10	1
Toluene	ND		1.0	0.51	ug/L			05/15/19 11:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/15/19 11:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/19 11:10	1
Trichloroethene	ND		1.0	0.46	ug/L			05/15/19 11:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/19 11:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/19 11:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/15/19 11:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		05/15/19 11:10	1
4-Bromofluorobenzene (Surr)	105		73 - 120		05/15/19 11:10	1
Dibromofluoromethane (Surr)	110		75 - 123		05/15/19 11:10	1
Toluene-d8 (Surr)	97		80 - 120		05/15/19 11:10	1

Lab Sample ID: LCS 480-472891/5

Matrix: Water

Analysis Batch: 472891

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	25.5		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.8		ug/L		95	61 - 148
1,1,2-Trichloroethane	25.0	23.1		ug/L		92	76 - 122
1,1-Dichloroethane	25.0	24.5		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	24.8		ug/L		99	66 - 127
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	79 - 122
1,2,4-Trimethylbenzene	25.0	24.2		ug/L		97	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	27.1		ug/L		109	56 - 134
1,2-Dibromoethane	25.0	25.6		ug/L		102	77 - 120
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	25.0		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
1,3,5-Trimethylbenzene	25.0	24.0		ug/L		96	77 - 121
1,3-Dichlorobenzene	25.0	24.0		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 120
2-Butanone (MEK)	125	142		ug/L		113	57 - 140
2-Hexanone	125	134		ug/L		107	65 - 127
4-Methyl-2-pentanone (MIBK)	125	121		ug/L		97	71 - 125
Acetone	125	156		ug/L		125	56 - 142
Benzene	25.0	23.8		ug/L		95	71 - 124
Bromodichloromethane	25.0	26.1		ug/L		104	80 - 122
Bromoform	25.0	31.1		ug/L		124	61 - 132
Bromomethane	25.0	22.2		ug/L		89	55 - 144

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

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

Lab Sample ID: LCS 480-472891/5

Matrix: Water

Analysis Batch: 472891

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	25.0	23.5		ug/L		94	59 - 134
Carbon tetrachloride	25.0	27.1		ug/L		109	72 - 134
Chlorobenzene	25.0	25.5		ug/L		102	80 - 120
Chloroethane	25.0	21.5		ug/L		86	69 - 136
Chloroform	25.0	24.7		ug/L		99	73 - 127
Chloromethane	25.0	27.2		ug/L		109	68 - 124
cis-1,2-Dichloroethene	25.0	26.7		ug/L		107	74 - 124
cis-1,3-Dichloropropene	25.0	24.6		ug/L		98	74 - 124
Cyclohexane	25.0	21.8		ug/L		87	59 - 135
Dibromochloromethane	25.0	28.6		ug/L		115	75 - 125
Dichlorodifluoromethane	25.0	22.5		ug/L		90	59 - 135
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
Isopropylbenzene	25.0	23.6		ug/L		94	77 - 122
Methyl acetate	50.0	51.6		ug/L		103	74 - 133
Methyl tert-butyl ether	25.0	23.9		ug/L		96	77 - 120
Methylcyclohexane	25.0	23.8		ug/L		95	68 - 134
Methylene Chloride	25.0	25.3		ug/L		101	75 - 124
N-Propylbenzene	25.0	22.8		ug/L		91	75 - 127
Styrene	25.0	26.4		ug/L		106	80 - 120
Tetrachloroethene	25.0	25.1		ug/L		100	74 - 122
Toluene	25.0	23.3		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	25.0		ug/L		100	73 - 127
trans-1,3-Dichloropropene	25.0	25.3		ug/L		101	80 - 120
Trichloroethene	25.0	25.3		ug/L		101	74 - 123
Trichlorofluoromethane	25.0	22.2		ug/L		89	62 - 150
Vinyl chloride	25.0	21.2		ug/L		85	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	111		73 - 120
Dibromofluoromethane (Surr)	108		75 - 123
Toluene-d8 (Surr)	100		80 - 120

Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance 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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

GC/MS VOA

Analysis Batch: 472817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152979-1	GT-9R-050319	Total/NA	Water	8260C	
480-152979-2	GT-16-050319	Total/NA	Water	8260C	
480-152979-3	DUP-050319	Total/NA	Water	8260C	
480-152979-4	GT-15-050319	Total/NA	Water	8260C	
480-152979-5	GT-7-050319	Total/NA	Water	8260C	
480-152979-7	Trip Blank	Total/NA	Water	8260C	
MB 480-472817/7	Method Blank	Total/NA	Water	8260C	
LCS 480-472817/5	Lab Control Sample	Total/NA	Water	8260C	
480-152979-4 MS	GT-15-050319	Total/NA	Water	8260C	
480-152979-4 MSD	GT-15-050319	Total/NA	Water	8260C	

Analysis Batch: 472891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152979-6	VRI-9-050319	Total/NA	Water	8260C	
MB 480-472891/7	Method Blank	Total/NA	Water	8260C	
LCS 480-472891/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: GT-9R-050319

Lab Sample ID: 480-152979-1

Date Collected: 05/03/19 11:25

Matrix: Water

Date Received: 05/04/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	472817	05/14/19 23:53	OMI	TAL BUF

Client Sample ID: GT-16-050319

Lab Sample ID: 480-152979-2

Date Collected: 05/03/19 13:50

Matrix: Water

Date Received: 05/04/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	472817	05/15/19 00:18	OMI	TAL BUF

Client Sample ID: DUP-050319

Lab Sample ID: 480-152979-3

Date Collected: 05/03/19 00:00

Matrix: Water

Date Received: 05/04/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	472817	05/15/19 00:42	OMI	TAL BUF

Client Sample ID: GT-15-050319

Lab Sample ID: 480-152979-4

Date Collected: 05/03/19 12:00

Matrix: Water

Date Received: 05/04/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	472817	05/15/19 01:06	OMI	TAL BUF

Client Sample ID: GT-7-050319

Lab Sample ID: 480-152979-5

Date Collected: 05/03/19 13:45

Matrix: Water

Date Received: 05/04/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	472817	05/15/19 01:29	OMI	TAL BUF

Client Sample ID: VRI-9-050319

Lab Sample ID: 480-152979-6

Date Collected: 05/03/19 08:15

Matrix: Water

Date Received: 05/04/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	472891	05/15/19 11:45	S1V	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-152979-7

Date Collected: 05/03/19 00:00

Matrix: Water

Date Received: 05/04/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	472817	05/15/19 02:17	OMI	TAL BUF

Laboratory References:

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

Eurofins TestAmerica, Buffalo

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): ZB-624 (20) ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
GT-9R-050319	480-152979-1	115	101	99	107
GT-16-050319	480-152979-2	111	102	95	103
DUP-050319	480-152979-3	110	104	97	103
GT-15-050319	480-152979-4	108	99	97	100
GT-7-050319	480-152979-5	119	110	97	106
VRI-9-050319	480-152979-6	108	101	97	107
Trip Blank	480-152979-7	114	111	95	101
	MB 480-472817/7	106	100	96	107
	MB 480-472891/7	110	98	97	105
	LCS 480-472817/5	112	101	101	109
	LCS 480-472891/5	108	104	100	111
GT-15-050319 MS	480-152979-4 MS	113	101	103	108
GT-15-050319 MSD	480-152979-4 MSD	114	105	97	108

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

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P43352.D
 Lab ID: LCS 480-472817/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	29.0	116	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.6	94	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.9	111	61-148	
1,1,2-Trichloroethane	25.0	25.4	102	76-122	
1,1-Dichloroethane	25.0	25.9	103	77-120	
1,1-Dichloroethene	25.0	26.6	106	66-127	
1,2,4-Trichlorobenzene	25.0	26.5	106	79-122	
1,2,4-Trimethylbenzene	25.0	24.6	98	76-121	
1,2-Dibromo-3-Chloropropane	25.0	26.7	107	56-134	
1,2-Dibromoethane	25.0	25.8	103	77-120	
1,2-Dichlorobenzene	25.0	25.2	101	80-124	
1,2-Dichloroethane	25.0	25.6	102	75-120	
1,2-Dichloropropane	25.0	25.2	101	76-120	
1,3,5-Trimethylbenzene	25.0	24.9	100	77-121	
1,3-Dichlorobenzene	25.0	24.7	99	77-120	
1,4-Dichlorobenzene	25.0	24.5	98	80-120	
2-Butanone (MEK)	125	136	109	57-140	
2-Hexanone	125	131	105	65-127	
4-Methyl-2-pentanone (MIBK)	125	117	94	71-125	
Acetone	125	148	119	56-142	
Benzene	25.0	25.5	102	71-124	
Bromodichloromethane	25.0	26.3	105	80-122	
Bromoform	25.0	29.5	118	61-132	
Bromomethane	25.0	26.6	106	55-144	
Carbon disulfide	25.0	26.6	106	59-134	
Carbon tetrachloride	25.0	29.7	119	72-134	
Chlorobenzene	25.0	25.9	104	80-120	
Chloroethane	25.0	26.3	105	69-136	
Chloroform	25.0	25.7	103	73-127	
Chloromethane	25.0	29.0	116	68-124	
cis-1,2-Dichloroethene	25.0	27.5	110	74-124	
cis-1,3-Dichloropropene	25.0	25.5	102	74-124	
Cyclohexane	25.0	26.1	104	59-135	
Dibromochloromethane	25.0	28.8	115	75-125	
Dichlorodifluoromethane	25.0	28.7	115	59-135	
Ethylbenzene	25.0	26.0	104	77-123	
Isopropylbenzene	25.0	24.5	98	77-122	
Methyl acetate	50.0	51.1	102	74-133	
Methyl tert-butyl ether	25.0	24.6	98	77-120	
Methylcyclohexane	25.0	27.4	109	68-134	
Methylene Chloride	25.0	26.3	105	75-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P43352.D
 Lab ID: LCS 480-472817/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
N-Propylbenzene	25.0	24.1	96	75-127	
Styrene	25.0	26.5	106	80-120	
Tetrachloroethene	25.0	27.1	108	74-122	
Toluene	25.0	25.0	100	80-122	
trans-1,2-Dichloroethene	25.0	26.2	105	73-127	
trans-1,3-Dichloropropene	25.0	24.4	98	80-120	
Trichloroethene	25.0	27.0	108	74-123	
Trichlorofluoromethane	25.0	28.5	114	62-150	
Vinyl chloride	25.0	27.0	108	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P43379.D
 Lab ID: LCS 480-472891/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.5	102	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.0	92	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.8	95	61-148	
1,1,2-Trichloroethane	25.0	23.1	92	76-122	
1,1-Dichloroethane	25.0	24.5	98	77-120	
1,1-Dichloroethene	25.0	24.8	99	66-127	
1,2,4-Trichlorobenzene	25.0	25.8	103	79-122	
1,2,4-Trimethylbenzene	25.0	24.2	97	76-121	
1,2-Dibromo-3-Chloropropane	25.0	27.1	109	56-134	
1,2-Dibromoethane	25.0	25.6	102	77-120	
1,2-Dichlorobenzene	25.0	24.7	99	80-124	
1,2-Dichloroethane	25.0	25.0	100	75-120	
1,2-Dichloropropane	25.0	24.0	96	76-120	
1,3,5-Trimethylbenzene	25.0	24.0	96	77-121	
1,3-Dichlorobenzene	25.0	24.0	96	77-120	
1,4-Dichlorobenzene	25.0	24.3	97	80-120	
2-Butanone (MEK)	125	142	113	57-140	
2-Hexanone	125	134	107	65-127	
4-Methyl-2-pentanone (MIBK)	125	121	97	71-125	
Acetone	125	156	125	56-142	
Benzene	25.0	23.8	95	71-124	
Bromodichloromethane	25.0	26.1	104	80-122	
Bromoform	25.0	31.1	124	61-132	
Bromomethane	25.0	22.2	89	55-144	
Carbon disulfide	25.0	23.5	94	59-134	
Carbon tetrachloride	25.0	27.1	109	72-134	
Chlorobenzene	25.0	25.5	102	80-120	
Chloroethane	25.0	21.5	86	69-136	
Chloroform	25.0	24.7	99	73-127	
Chloromethane	25.0	27.2	109	68-124	
cis-1,2-Dichloroethene	25.0	26.7	107	74-124	
cis-1,3-Dichloropropene	25.0	24.6	98	74-124	
Cyclohexane	25.0	21.8	87	59-135	
Dibromochloromethane	25.0	28.6	115	75-125	
Dichlorodifluoromethane	25.0	22.5	90	59-135	
Ethylbenzene	25.0	24.8	99	77-123	
Isopropylbenzene	25.0	23.6	94	77-122	
Methyl acetate	50.0	51.6	103	74-133	
Methyl tert-butyl ether	25.0	23.9	96	77-120	
Methylcyclohexane	25.0	23.8	95	68-134	
Methylene Chloride	25.0	25.3	101	75-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P43379.D
 Lab ID: LCS 480-472891/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
N-Propylbenzene	25.0	22.8	91	75-127	
Styrene	25.0	26.4	106	80-120	
Tetrachloroethene	25.0	25.1	100	74-122	
Toluene	25.0	23.3	93	80-122	
trans-1,2-Dichloroethene	25.0	25.0	100	73-127	
trans-1,3-Dichloropropene	25.0	25.3	101	80-120	
Trichloroethene	25.0	25.3	101	74-123	
Trichlorofluoromethane	25.0	22.2	89	62-150	
Vinyl chloride	25.0	21.2	85	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.: 480-152979-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: P43373.D

Lab ID: 480-152979-4 MS

Client ID: GT-15-050319 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	ND	33.3	133	73-126	F1
1,1,2,2-Tetrachloroethane	25.0	ND	26.5	106	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	ND	27.3	109	61-148	
1,1,2-Trichloroethane	25.0	ND	29.0	116	76-122	
1,1-Dichloroethane	25.0	ND	30.9	124	77-120	F1
1,1-Dichloroethene	25.0	ND	31.2	125	66-127	
1,2,4-Trichlorobenzene	25.0	ND	28.2	113	79-122	
1,2,4-Trimethylbenzene	25.0	ND	28.3	113	76-121	
1,2-Dibromo-3-Chloropropane	25.0	ND	29.4	118	56-134	
1,2-Dibromoethane	25.0	ND	28.9	116	77-120	
1,2-Dichlorobenzene	25.0	ND	27.5	110	80-124	
1,2-Dichloroethane	25.0	ND	29.6	118	75-120	
1,2-Dichloropropane	25.0	ND	28.6	114	76-120	
1,3,5-Trimethylbenzene	25.0	ND	28.3	113	77-121	
1,3-Dichlorobenzene	25.0	ND	26.9	108	77-120	
1,4-Dichlorobenzene	25.0	ND	27.6	111	78-124	
2-Butanone (MEK)	125	ND	140	112	57-140	
2-Hexanone	125	ND	142	114	65-127	
4-Methyl-2-pentanone (MIBK)	125	ND	135	108	71-125	
Acetone	125	ND	137	109	56-142	
Benzene	25.0	ND	30.0	120	71-124	
Bromodichloromethane	25.0	ND	32.5	130	80-122	F1
Bromoform	25.0	ND	33.2	133	61-132	F1
Bromomethane	25.0	ND	29.3	117	55-144	
Carbon disulfide	25.0	ND	31.8	127	59-134	
Carbon tetrachloride	25.0	ND	34.9	140	72-134	F1
Chlorobenzene	25.0	ND	30.8	123	80-120	F1
Chloroethane	25.0	ND	29.5	118	69-136	
Chloroform	25.0	ND	30.0	120	73-127	
Chloromethane	25.0	ND	34.6	139	68-124	F1
cis-1,2-Dichloroethene	25.0	ND	32.1	128	74-124	F1
cis-1,3-Dichloropropene	25.0	ND	27.7	111	74-124	
Cyclohexane	25.0	ND	27.0	108	59-135	
Dibromochloromethane	25.0	ND	32.3	129	75-125	F1
Dichlorodifluoromethane	25.0	ND	30.3	121	59-135	
Ethylbenzene	25.0	ND	29.9	120	77-123	
Isopropylbenzene	25.0	ND	27.8	111	77-122	
Methyl acetate	50.0	ND	52.1	104	74-133	
Methyl tert-butyl ether	25.0	ND	27.3	109	77-120	
Methylcyclohexane	25.0	ND	27.1	109	68-134	
Methylene Chloride	25.0	ND	30.8	123	75-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P43373.D
 Lab ID: 480-152979-4 MS Client ID: GT-15-050319 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
N-Propylbenzene	25.0	ND	26.8	107	75-127	
Styrene	25.0	ND	31.0	124	80-120	F1
Tetrachloroethene	25.0	ND	30.4	122	74-122	
Toluene	25.0	ND	29.2	117	80-122	
trans-1,2-Dichloroethene	25.0	ND	32.2	129	73-127	F1
trans-1,3-Dichloropropene	25.0	ND	26.9	108	80-120	
Trichloroethene	25.0	3.4	35.7	129	74-123	F1
Trichlorofluoromethane	25.0	ND	31.3	125	62-150	
Vinyl chloride	25.0	ND	30.8	123	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.: 480-152979-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: P43374.D

Lab ID: 480-152979-4 MSD

Client ID: GT-15-050319 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	25.0	32.7	131	2	15	73-126	F1
1,1,2,2-Tetrachloroethane	25.0	25.7	103	3	15	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.0	108	1	20	61-148	
1,1,2-Trichloroethane	25.0	26.9	108	7	15	76-122	
1,1-Dichloroethane	25.0	29.9	120	3	20	77-120	
1,1-Dichloroethene	25.0	31.1	124	0	16	66-127	
1,2,4-Trichlorobenzene	25.0	27.7	111	2	20	79-122	
1,2,4-Trimethylbenzene	25.0	27.6	111	3	20	76-121	
1,2-Dibromo-3-Chloropropane	25.0	28.8	115	2	15	56-134	
1,2-Dibromoethane	25.0	27.5	110	5	15	77-120	
1,2-Dichlorobenzene	25.0	26.6	107	3	20	80-124	
1,2-Dichloroethane	25.0	28.6	114	3	20	75-120	
1,2-Dichloropropane	25.0	28.0	112	2	20	76-120	
1,3,5-Trimethylbenzene	25.0	27.2	109	4	20	77-121	
1,3-Dichlorobenzene	25.0	27.1	108	1	20	77-120	
1,4-Dichlorobenzene	25.0	26.5	106	4	20	78-124	
2-Butanone (MEK)	125	138	110	2	20	57-140	
2-Hexanone	125	137	110	4	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	125	100	7	35	71-125	
Acetone	125	135	108	1	15	56-142	
Benzene	25.0	28.8	115	4	13	71-124	
Bromodichloromethane	25.0	29.6	118	9	15	80-122	
Bromoform	25.0	32.4	130	3	15	61-132	
Bromomethane	25.0	29.5	118	1	15	55-144	
Carbon disulfide	25.0	30.9	124	3	15	59-134	
Carbon tetrachloride	25.0	34.2	137	2	15	72-134	F1
Chlorobenzene	25.0	28.0	112	9	25	80-120	
Chloroethane	25.0	30.4	122	3	15	69-136	
Chloroform	25.0	29.3	117	2	20	73-127	
Chloromethane	25.0	35.1	140	1	15	68-124	F1
cis-1,2-Dichloroethene	25.0	30.7	123	4	15	74-124	
cis-1,3-Dichloropropene	25.0	26.6	106	4	15	74-124	
Cyclohexane	25.0	27.1	108	0	20	59-135	
Dibromochloromethane	25.0	31.2	125	4	15	75-125	
Dichlorodifluoromethane	25.0	29.2	117	4	20	59-135	
Ethylbenzene	25.0	28.4	113	5	15	77-123	
Isopropylbenzene	25.0	27.7	111	0	20	77-122	
Methyl acetate	50.0	50.5	101	3	20	74-133	
Methyl tert-butyl ether	25.0	26.3	105	4	37	77-120	
Methylcyclohexane	25.0	26.9	108	1	20	68-134	
Methylene Chloride	25.0	29.9	120	3	15	75-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P43374.D
 Lab ID: 480-152979-4 MSD Client ID: GT-15-050319 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
N-Propylbenzene	25.0	26.5	106	1	15	75-127	
Styrene	25.0	29.0	116	7	20	80-120	
Tetrachloroethene	25.0	28.6	114	6	20	74-122	
Toluene	25.0	27.4	109	6	15	80-122	
trans-1,2-Dichloroethene	25.0	30.5	122	5	20	73-127	
trans-1,3-Dichloropropene	25.0	25.8	103	4	15	80-120	
Trichloroethene	25.0	33.9	122	5	16	74-123	
Trichlorofluoromethane	25.0	31.7	127	1	20	62-150	
Vinyl chloride	25.0	32.8	131	6	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.: 480-152979-1
SDG No.: _____
Lab File ID: P43354.D Lab Sample ID: MB 480-472817/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973P Date Analyzed: 05/14/2019 23:29
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 480-472817/5	P43352.D	05/14/2019 22:41
GT-9R-050319	480-152979-1	P43355.D	05/14/2019 23:53
GT-16-050319	480-152979-2	P43356.D	05/15/2019 00:18
DUP-050319	480-152979-3	P43357.D	05/15/2019 00:42
GT-15-050319	480-152979-4	P43358.D	05/15/2019 01:06
GT-7-050319	480-152979-5	P43359.D	05/15/2019 01:29
Trip Blank	480-152979-7	P43361.D	05/15/2019 02:17
GT-15-050319 MS	480-152979-4 MS	P43373.D	05/15/2019 07:03
GT-15-050319 MSD	480-152979-4 MSD	P43374.D	05/15/2019 07:27

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
SDG No.: _____
Lab File ID: P43381.D Lab Sample ID: MB 480-472891/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973P Date Analyzed: 05/15/2019 11:10
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 480-472891/5	P43379.D	05/15/2019 10:22
VRI-9-050319	480-152979-6	P43382.D	05/15/2019 11:45

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Lab File ID: P42641.D BFB Injection Date: 04/29/2019
 Instrument ID: HP5973P BFB Injection Time: 13:56
 Analysis Batch No.: 470287

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.0	
75	30.0 - 60.0 % of mass 95	46.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.2	(0.2) 1
174	50.0 - 120.00 % of mass 95	102.9	
175	5.0 - 9.0 % of mass 174	7.7	(7.5) 1
176	95.0 - 101.0 % of mass 174	97.9	(95.1) 1
177	5.0 - 9.0 % of mass 176	7.1	(7.2) 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 480-470287/5	P42643.D	04/29/2019	14:46
	IC 480-470287/6	P42644.D	04/29/2019	15:09
	IC 480-470287/7	P42645.D	04/29/2019	15:34
	IC 480-470287/8	P42646.D	04/29/2019	15:58
	ICIS 480-470287/9	P42647.D	04/29/2019	16:22
	IC 480-470287/10	P42648.D	04/29/2019	16:46
	IC 480-470287/11	P42649.D	04/29/2019	17:09

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
SDG No.: _____
Lab File ID: P43349.D BFB Injection Date: 05/14/2019
Instrument ID: HP5973P BFB Injection Time: 21:30
Analysis Batch No.: 472817

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	25.8
75	30.0 - 60.0 % of mass 95	47.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.3
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	99.4
175	5.0 - 9.0 % of mass 174	8.5 (8.5) 1
176	95.0 - 101.0 % of mass 174	99.9 (100.6) 1
177	5.0 - 9.0 % of mass 176	6.5 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-472817/3	P43350.D	05/14/2019	21:54
	LCS 480-472817/5	P43352.D	05/14/2019	22:41
	MB 480-472817/7	P43354.D	05/14/2019	23:29
GT-9R-050319	480-152979-1	P43355.D	05/14/2019	23:53
GT-16-050319	480-152979-2	P43356.D	05/15/2019	00:18
DUP-050319	480-152979-3	P43357.D	05/15/2019	00:42
GT-15-050319	480-152979-4	P43358.D	05/15/2019	01:06
GT-7-050319	480-152979-5	P43359.D	05/15/2019	01:29
Trip Blank	480-152979-7	P43361.D	05/15/2019	02:17
GT-15-050319 MS	480-152979-4 MS	P43373.D	05/15/2019	07:03
GT-15-050319 MSD	480-152979-4 MSD	P43374.D	05/15/2019	07:27

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Lab File ID: P43376.D BFB Injection Date: 05/15/2019
 Instrument ID: HP5973P BFB Injection Time: 08:57
 Analysis Batch No.: 472891

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	29.7
75	30.0 - 60.0 % of mass 95	46.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	5.9
173	Less than 2.0 % of mass 174	0.6 (0.6) 1
174	50.0 - 120.00 % of mass 95	104.2
175	5.0 - 9.0 % of mass 174	8.9 (8.6) 1
176	95.0 - 101.0 % of mass 174	103.9 (99.7) 1
177	5.0 - 9.0 % of mass 176	7.5 (7.3) 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 480-472891/3	P43377.D	05/15/2019	09:22
	LCS 480-472891/5	P43379.D	05/15/2019	10:22
	MB 480-472891/7	P43381.D	05/15/2019	11:10
VRI-9-050319	480-152979-6	P43382.D	05/15/2019	11:45

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Sample No.: ICIS 480-470287/9 Date Analyzed: 04/29/2019 16:22
 Instrument ID: HP5973P GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): P42647.D Heated Purge: (Y/N) N
 Calibration ID: 36830

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		146385	5.55	292740	8.56	373274	10.94
UPPER LIMIT		292770	6.05	585480	9.06	746548	11.44
LOWER LIMIT		73193	5.05	146370	8.06	186637	10.44
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCVIS 480-472817/3		97580	5.55	212475	8.56	280927	10.94
CCVIS 480-472891/3		94881	5.55	201672	8.56	264505	10.94

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.: 480-152979-1
 SDG No.: _____
 Sample No.: CCVIS 480-472817/3 Date Analyzed: 05/14/2019 21:54
 Instrument ID: HP5973P GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): P43350.D Heated Purge: (Y/N) N
 Calibration ID: 36828

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	97580	5.55	212475	8.56	280927	10.94	
UPPER LIMIT	195160	6.05	424950	9.06	561854	11.44	
LOWER LIMIT	48790	5.05	106238	8.06	140464	10.44	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-472817/5		92168	5.55	204506	8.56	272911	10.94
MB 480-472817/7		92617	5.55	202791	8.56	260656	10.94
480-152979-1	GT-9R-050319	87784	5.55	199641	8.56	265439	10.94
480-152979-2	GT-16-050319	89245	5.55	201509	8.56	253787	10.94
480-152979-3	DUP-050319	89974	5.55	201379	8.56	248489	10.94
480-152979-4	GT-15-050319	89745	5.55	193918	8.56	254394	10.94
480-152979-5	GT-7-050319	81842	5.55	195371	8.56	252319	10.94
480-152979-7	Trip Blank	82836	5.55	195425	8.56	249932	10.94
480-152979-4 MS	GT-15-050319 MS	87383	5.55	195588	8.56	266199	10.94
480-152979-4 MSD	GT-15-050319 MSD	86609	5.55	197988	8.56	262088	10.94

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.: 480-152979-1
 SDG No.: _____
 Sample No.: CCVIS 480-472891/3 Date Analyzed: 05/15/2019 09:22
 Instrument ID: HP5973P GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): P43377.D Heated Purge: (Y/N) N
 Calibration ID: 36828

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	94881	5.55	201672	8.56	264505	10.94	
UPPER LIMIT	189762	6.05	403344	9.06	529010	11.44	
LOWER LIMIT	47441	5.05	100836	8.06	132253	10.44	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-472891/5		91408	5.55	200249	8.56	265782	10.94
MB 480-472891/7		87491	5.55	203912	8.56	256106	10.94
480-152979-6	VRI-9-050319	90777	5.55	196914	8.56	262265	10.94

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.: 480-152979-1
 SDG No.: _____
 Client Sample ID: GT-9R-050319 Lab Sample ID: 480-152979-1
 Matrix: Water Lab File ID: P43355.D
 Analysis Method: 8260C Date Collected: 05/03/2019 11:25
 Sample wt/vol: 5 (mL) Date Analyzed: 05/14/2019 23:53
 Soil Aliquot Vol: _____ Dilution Factor: 4
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472817 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
75-34-3	1,1-Dichloroethane	ND		4.0	1.5
75-35-4	1,1-Dichloroethene	ND		4.0	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		4.0	1.6
95-63-6	1,2,4-Trimethylbenzene	8.3		4.0	3.0
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
108-67-8	1,3,5-Trimethylbenzene	8.8		4.0	3.1
541-73-1	1,3-Dichlorobenzene	ND		4.0	3.1
106-46-7	1,4-Dichlorobenzene	ND		4.0	3.4
78-93-3	2-Butanone (MEK)	ND		40	5.3
591-78-6	2-Hexanone	ND		20	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	8.4
67-64-1	Acetone	ND		40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Bromodichloromethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
75-00-3	Chloroethane	ND		4.0	1.3
67-66-3	Chloroform	ND		4.0	1.4
74-87-3	Chloromethane	ND		4.0	1.4
156-59-2	cis-1,2-Dichloroethene	ND		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
124-48-1	Dibromochloromethane	ND		4.0	1.3
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Client Sample ID: GT-9R-050319 Lab Sample ID: 480-152979-1
 Matrix: Water Lab File ID: P43355.D
 Analysis Method: 8260C Date Collected: 05/03/2019 11:25
 Sample wt/vol: 5 (mL) Date Analyzed: 05/14/2019 23:53
 Soil Aliquot Vol: _____ Dilution Factor: 4
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472817 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		4.0	3.0
98-82-8	Isopropylbenzene	ND		4.0	3.2
79-20-9	Methyl acetate	ND		10	5.2
1634-04-4	Methyl tert-butyl ether	ND		4.0	0.64
108-87-2	Methylcyclohexane	ND		4.0	0.64
75-09-2	Methylene Chloride	ND		4.0	1.8
103-65-1	N-Propylbenzene	ND		4.0	2.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	ND		4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	ND		4.0	3.6
1330-20-7	Xylenes, Total	8.8		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	115		75-123
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\HP43355.D
 Lims ID: 480-152979-A-1
 Client ID: GT-9R-050319
 Sample Type: Client
 Inject. Date: 14-May-2019 23:53:30 ALS Bottle#: 35 Worklist Smp#: 28
 Purge Vol: 5.000 mL Dil. Factor: 4.0000
 Sample Info: 480-152979-A-1
 Misc. Info.: 480-0081087-028
 Operator ID: OI Instrument ID: HP5973P
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\HP-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-May-2019 09:54:07 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\HP42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: izquierdoo

Date: 15-May-2019 13:09:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.547	5.547	0.000	99	87784	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.558	0.001	87	199641	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	93	265439	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.963	4.963	0.000	93	149041	28.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.280	5.279	0.001	95	71625	25.2	
\$ 5 Toluene-d8 (Surr)	98	7.068	7.068	0.000	95	477338	24.8	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	96	193135	26.7	
10 Dichlorodifluoromethane	85		1.313				ND	
11 Chloromethane	50		1.508				ND	
17 Vinyl chloride	62		1.611				ND	
12 Bromomethane	94		1.922				ND	
13 Chloroethane	64		2.007				ND	
14 Trichlorofluoromethane	101		2.250				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		2.743				ND	
25 1,1-Dichloroethene	96		2.761				ND	
24 Acetone	43		2.871				ND	
27 Carbon disulfide	76		2.986				ND	
30 Methyl acetate	43		3.169				ND	
31 Methylene Chloride	84		3.303				ND	
32 Methyl tert-butyl ether	73		3.479				ND	
35 trans-1,2-Dichloroethene	96		3.503				ND	
40 1,1-Dichloroethane	63		3.929				ND	
43 cis-1,2-Dichloroethene	96		4.489				ND	
44 2-Butanone (MEK)	43		4.525				ND	
49 Chloroform	83		4.805				ND	
52 1,1,1-Trichloroethane	97		4.915				ND	
54 Cyclohexane	56		4.921				ND	
55 Carbon tetrachloride	117		5.055				ND	
57 Benzene	78		5.280				ND	
60 1,2-Dichloroethane	62		5.347				ND	
62 Trichloroethene	95		5.894				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		6.004				ND	
63 1,2-Dichloropropane	63		6.137				ND	
70 Dichlorobromomethane	83		6.430				ND	
73 cis-1,3-Dichloropropene	75		6.843				ND	
75 4-Methyl-2-pentanone (MIBK)	43		6.989				ND	
76 Toluene	92		7.129				ND	
78 trans-1,3-Dichloropropene	75		7.415				ND	
79 1,1,2-Trichloroethane	83		7.610				ND	
80 Tetrachloroethene	166		7.664				ND	
83 2-Hexanone	43		7.835				ND	
81 Chlorodibromomethane	129		8.011				ND	
85 Ethylene Dibromide	107		8.115				ND	
87 Chlorobenzene	112		8.589				ND	
89 Ethylbenzene	91		8.674				ND	
90 m-Xylene & p-Xylene	106		8.802				ND	
93 o-Xylene	106	9.228	9.228	0.000	96	23625	2.21	
94 Styrene	104		9.258				ND	
92 Bromoform	173		9.514				ND	
95 Isopropylbenzene	105	9.605	9.611	-0.006	93	18285	0.6230	
97 1,1,2,2-Tetrachloroethane	83		10.019				ND	
99 N-Propylbenzene	91	10.037	10.031	0.006	95	12507	0.3701	
102 1,3,5-Trimethylbenzene	105	10.213	10.207	0.006	96	54614	2.20	
107 1,2,4-Trimethylbenzene	105	10.578	10.579	0.000	97	52765	2.07	
110 1,3-Dichlorobenzene	146		10.871				ND	
111 1,4-Dichlorobenzene	146		10.962				ND	
116 1,2-Dichlorobenzene	146		11.309				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.045				ND	
119 1,2,4-Trichlorobenzene	180		12.714				ND	
S 126 Xylenes, Total	1				0		2.21	

Reagents:

P 8260 IS_00373

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00342

Amount Added: 1.25

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43355.D

Injection Date: 14-May-2019 23:53:30

Instrument ID: HP5973P

Operator ID: OI

Lims ID: 480-152979-A-1

Lab Sample ID: 480-152979-1

Worklist Smp#: 28

Client ID: GT-9R-050319

Purge Vol: 5.000 mL

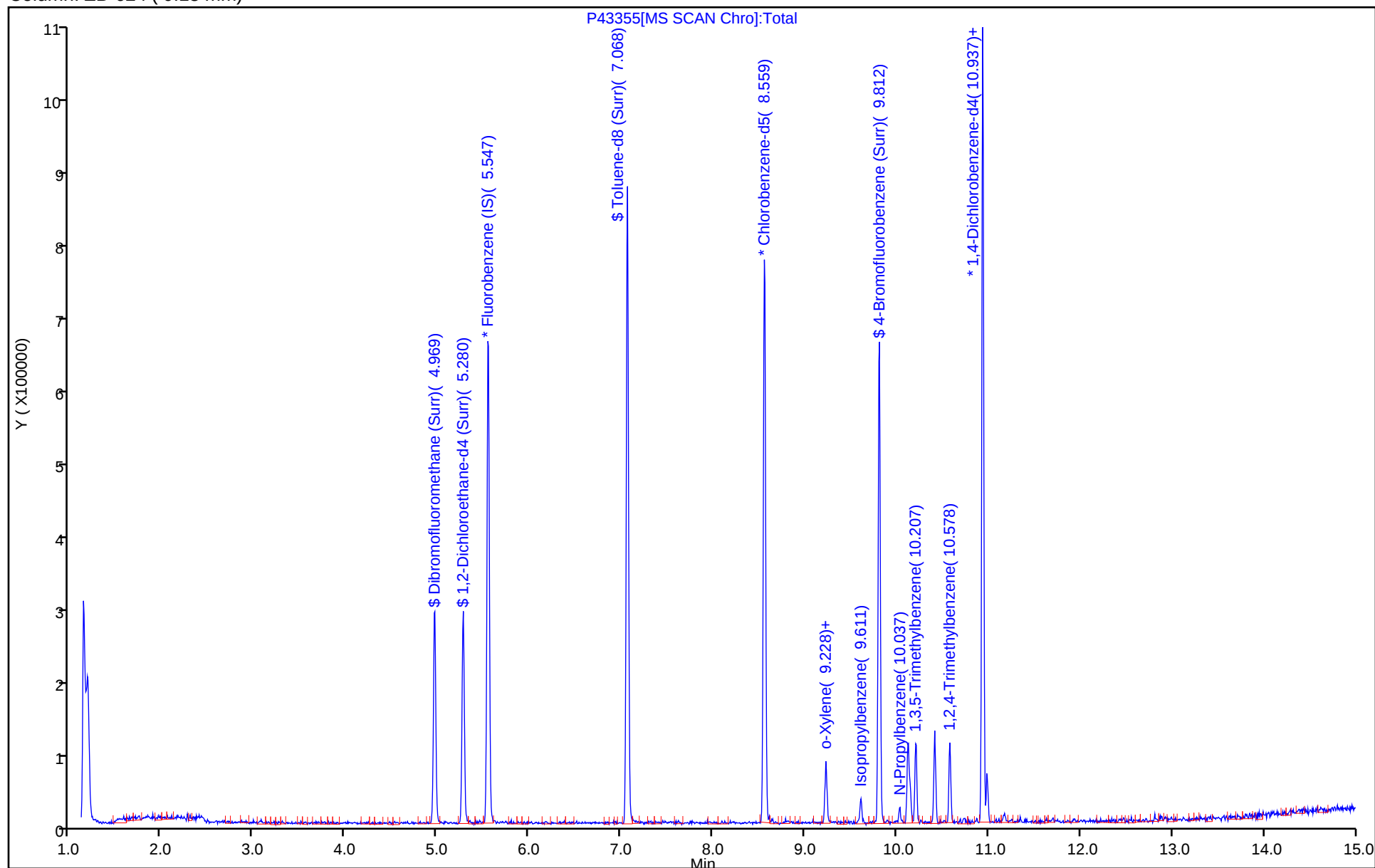
Dil. Factor: 4.0000

ALS Bottle#: 35

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43355.D

Injection Date: 14-May-2019 23:53:30

Instrument ID: HP5973P

Lims ID: 480-152979-A-1

Lab Sample ID: 480-152979-1

Client ID: GT-9R-050319

Operator ID: OI

ALS Bottle#: 35

Worklist Smp#: 28

Purge Vol: 5.000 mL

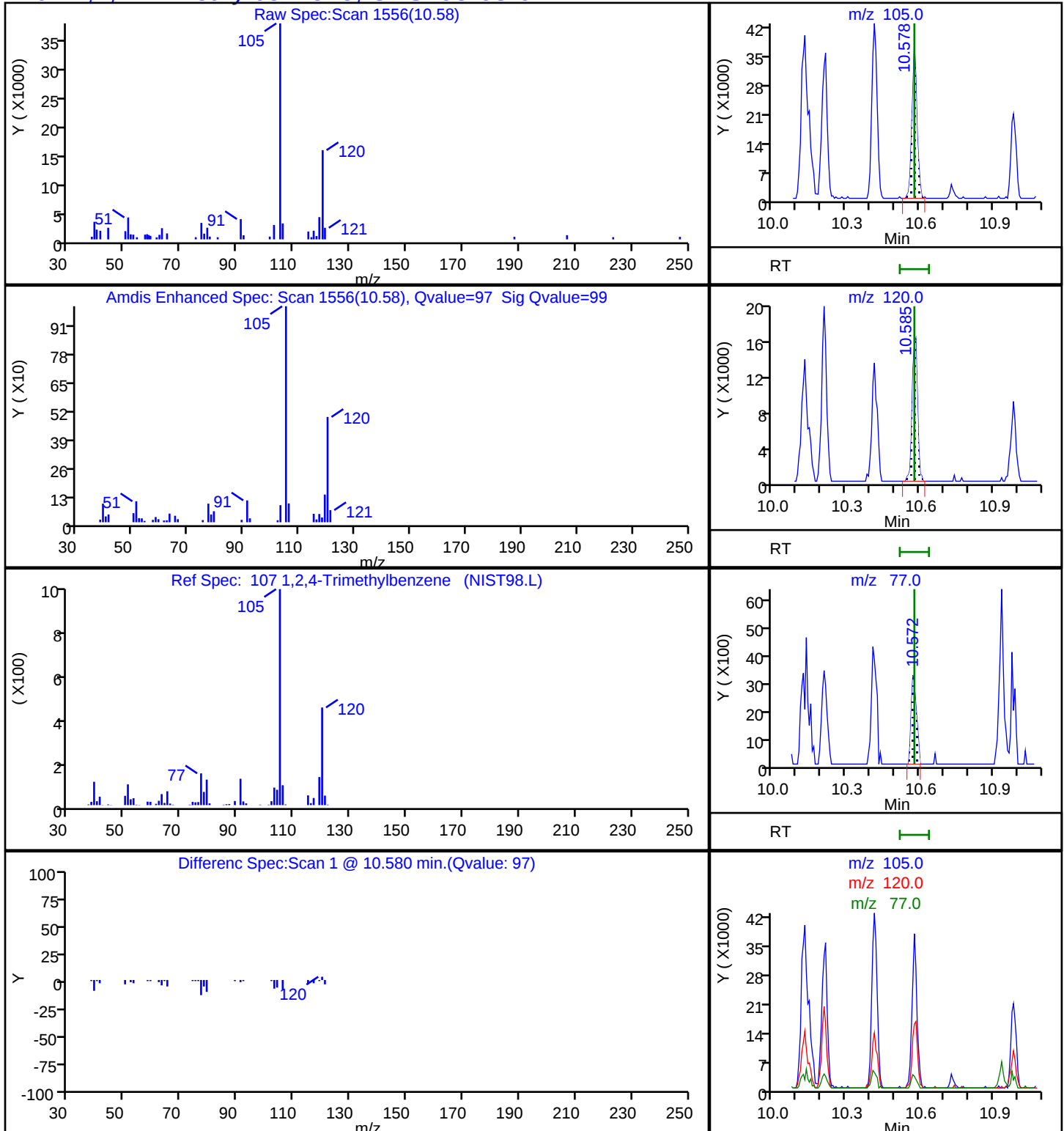
Dil. Factor: 4.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43355.D

Injection Date: 14-May-2019 23:53:30

Instrument ID: HP5973P

Lims ID: 480-152979-A-1

Lab Sample ID: 480-152979-1

Client ID: GT-9R-050319

Operator ID: OI

ALS Bottle#: 35

Worklist Smp#: 28

Purge Vol: 5.000 mL

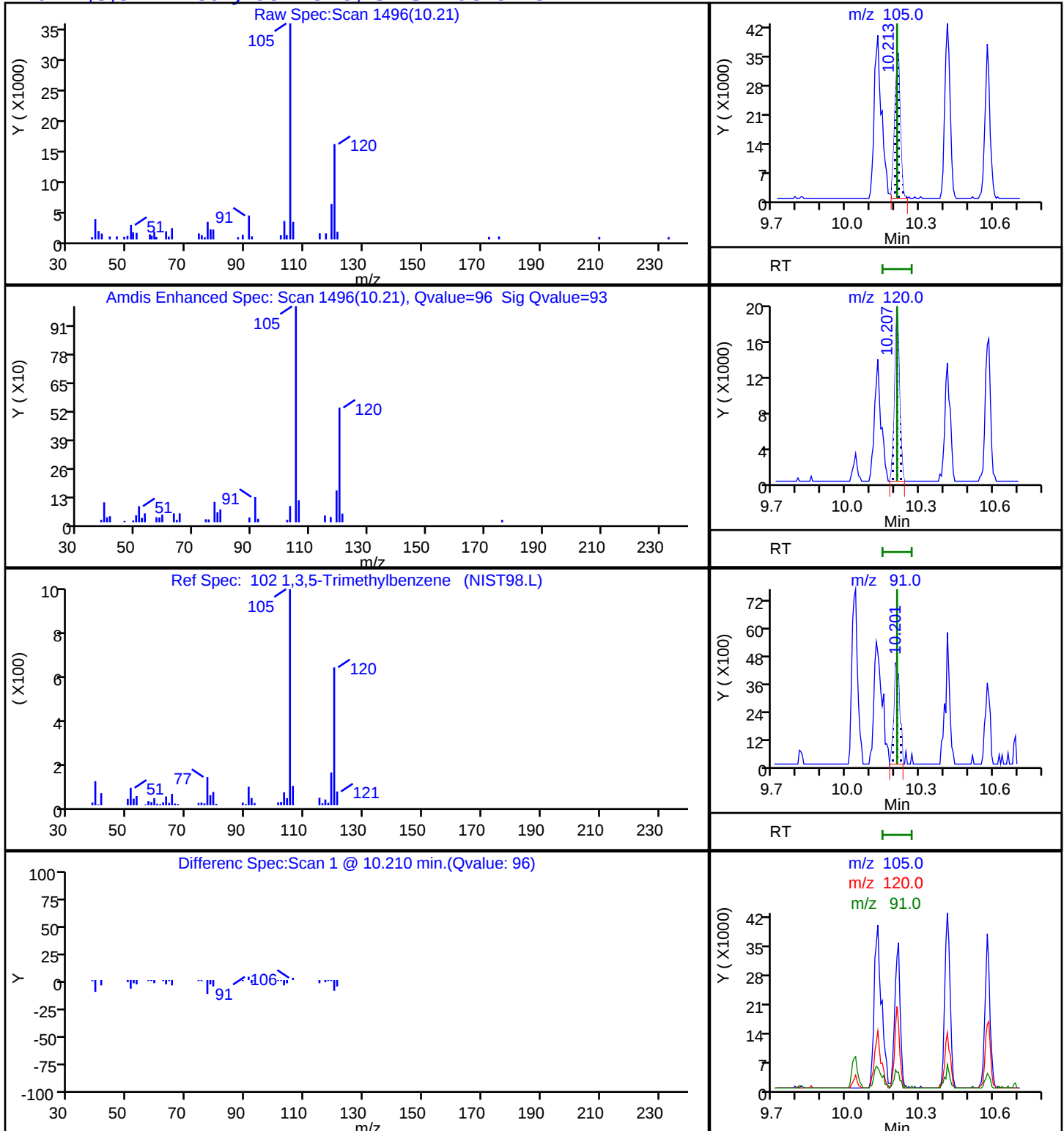
Dil. Factor: 4.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43355.D

Injection Date: 14-May-2019 23:53:30

Instrument ID: HP5973P

Lims ID: 480-152979-A-1

Lab Sample ID: 480-152979-1

Client ID: GT-9R-050319

Operator ID: OI

ALS Bottle#: 35

Worklist Smp#: 28

Purge Vol: 5.000 mL

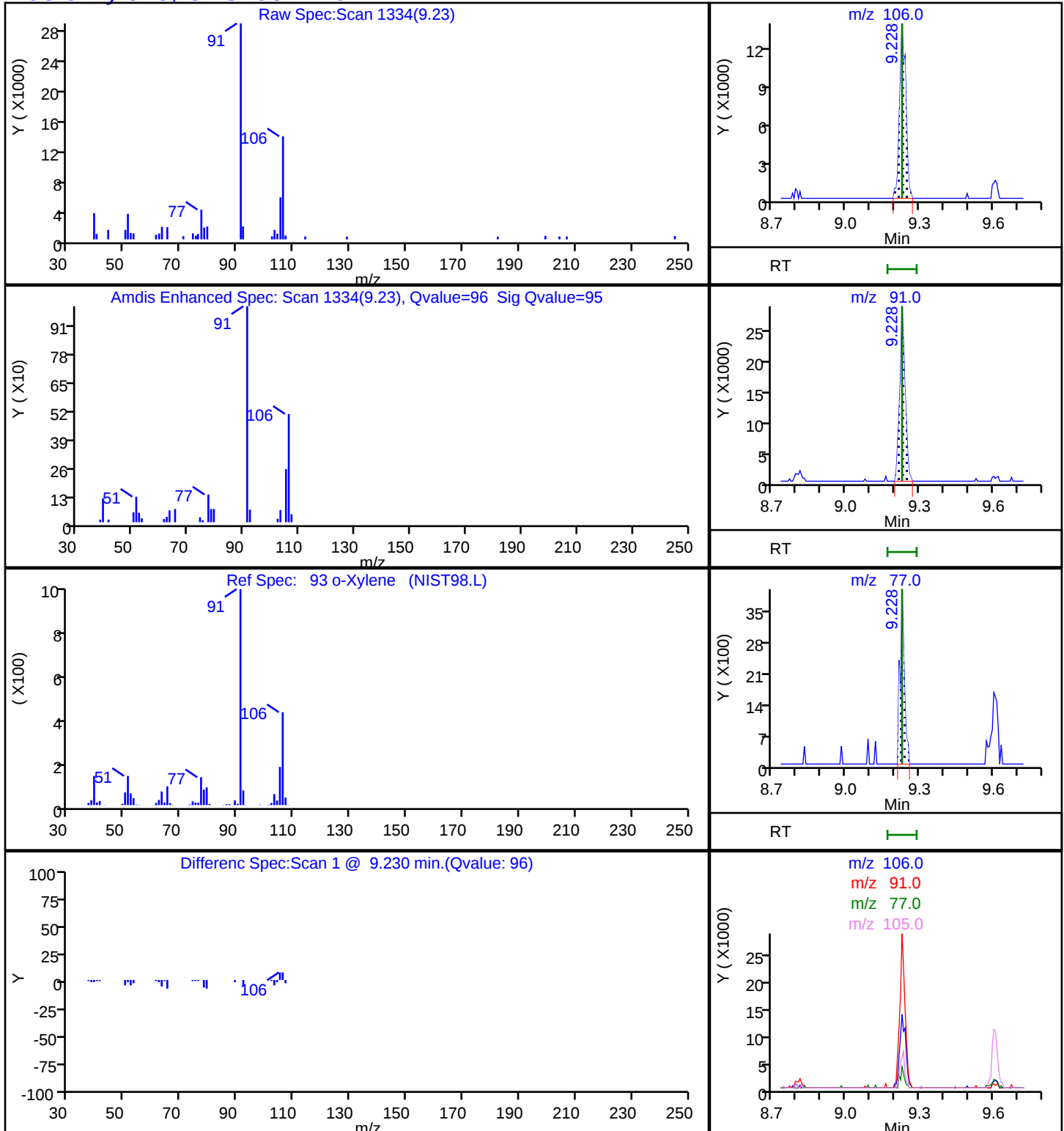
Dil. Factor: 4.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Client Sample ID: GT-16-050319 Lab Sample ID: 480-152979-2
 Matrix: Water Lab File ID: P43356.D
 Analysis Method: 8260C Date Collected: 05/03/2019 13:50
 Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 00:18
 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.: 472817 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	0.38	J	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	2.9		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Client Sample ID: GT-16-050319 Lab Sample ID: 480-152979-2
 Matrix: Water Lab File ID: P43356.D
 Analysis Method: 8260C Date Collected: 05/03/2019 13:50
 Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 00:18
 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.: 472817 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
103-65-1	N-Propylbenzene	ND		1.0	0.69
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	3.9		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	111		75-123
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\HP43356.D
 Lims ID: 480-152979-A-2
 Client ID: GT-16-050319
 Sample Type: Client
 Inject. Date: 15-May-2019 00:18:30 ALS Bottle#: 36 Worklist Smp#: 29
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-152979-A-2
 Misc. Info.: 480-0081087-029
 Operator ID: OI Instrument ID: HP5973P
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\HP-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-May-2019 13:11:50 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\HP42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: izquierdoo

Date: 15-May-2019 13:11:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.547	5.547	0.000	99	89245	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.558	0.001	86	201509	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	93	253787	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.963	4.963	0.000	93	146930	27.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.280	5.279	0.001	96	73317	25.4	
\$ 5 Toluene-d8 (Surr)	98	7.068	7.068	0.000	93	459450	23.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	94	188701	25.8	
10 Dichlorodifluoromethane	85		1.313				ND	
11 Chloromethane	50		1.508				ND	
17 Vinyl chloride	62		1.611				ND	
12 Bromomethane	94		1.922				ND	
13 Chloroethane	64		2.007				ND	
14 Trichlorofluoromethane	101		2.250				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		2.743				ND	
25 1,1-Dichloroethene	96		2.761				ND	
24 Acetone	43		2.871				ND	Ua
27 Carbon disulfide	76		2.986				ND	
30 Methyl acetate	43		3.169				ND	
31 Methylene Chloride	84		3.303				ND	
32 Methyl tert-butyl ether	73		3.479				ND	
35 trans-1,2-Dichloroethene	96		3.503				ND	
40 1,1-Dichloroethane	63		3.929				ND	
43 cis-1,2-Dichloroethene	96		4.489				ND	
44 2-Butanone (MEK)	43		4.525				ND	
49 Chloroform	83	4.805	4.805	0.000	95	29643	2.90	
52 1,1,1-Trichloroethane	97		4.915				ND	
54 Cyclohexane	56		4.921				ND	
55 Carbon tetrachloride	117	5.048	5.048	-0.007	22	2843	0.3789	M
57 Benzene	78		5.280				ND	
60 1,2-Dichloroethane	62		5.347				ND	
62 Trichloroethene	95	5.894	5.894	0.000	91	23442	3.89	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		6.004				ND	
63 1,2-Dichloropropane	63		6.137				ND	
70 Dichlorobromomethane	83		6.430				ND	
73 cis-1,3-Dichloropropene	75		6.843				ND	
75 4-Methyl-2-pentanone (MIBK)	43		6.989				ND	
76 Toluene	92		7.129				ND	
78 trans-1,3-Dichloropropene	75		7.415				ND	
79 1,1,2-Trichloroethane	83		7.610				ND	
80 Tetrachloroethene	166		7.664				ND	
83 2-Hexanone	43		7.835				ND	
81 Chlorodibromomethane	129		8.011				ND	
85 Ethylene Dibromide	107		8.115				ND	
87 Chlorobenzene	112		8.589				ND	
89 Ethylbenzene	91		8.674				ND	
90 m-Xylene & p-Xylene	106		8.802				ND	
93 o-Xylene	106		9.228				ND	
94 Styrene	104		9.258				ND	
92 Bromoform	173		9.514				ND	
95 Isopropylbenzene	105		9.611				ND	
97 1,1,2,2-Tetrachloroethane	83		10.019				ND	
99 N-Propylbenzene	91		10.031				ND	
102 1,3,5-Trimethylbenzene	105		10.207				ND	
107 1,2,4-Trimethylbenzene	105		10.579				ND	
110 1,3-Dichlorobenzene	146		10.871				ND	
111 1,4-Dichlorobenzene	146		10.962				ND	
116 1,2-Dichlorobenzene	146		11.309				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.045				ND	
119 1,2,4-Trichlorobenzene	180		12.714				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

P 8260 IS_00373

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr_00342

Amount Added: 1.25

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43356.D

Injection Date: 15-May-2019 00:18:30

Instrument ID: HP5973P

Operator ID: OI

Lims ID: 480-152979-A-2

Lab Sample ID: 480-152979-2

Worklist Smp#: 29

Client ID: GT-16-050319

Purge Vol: 5.000 mL

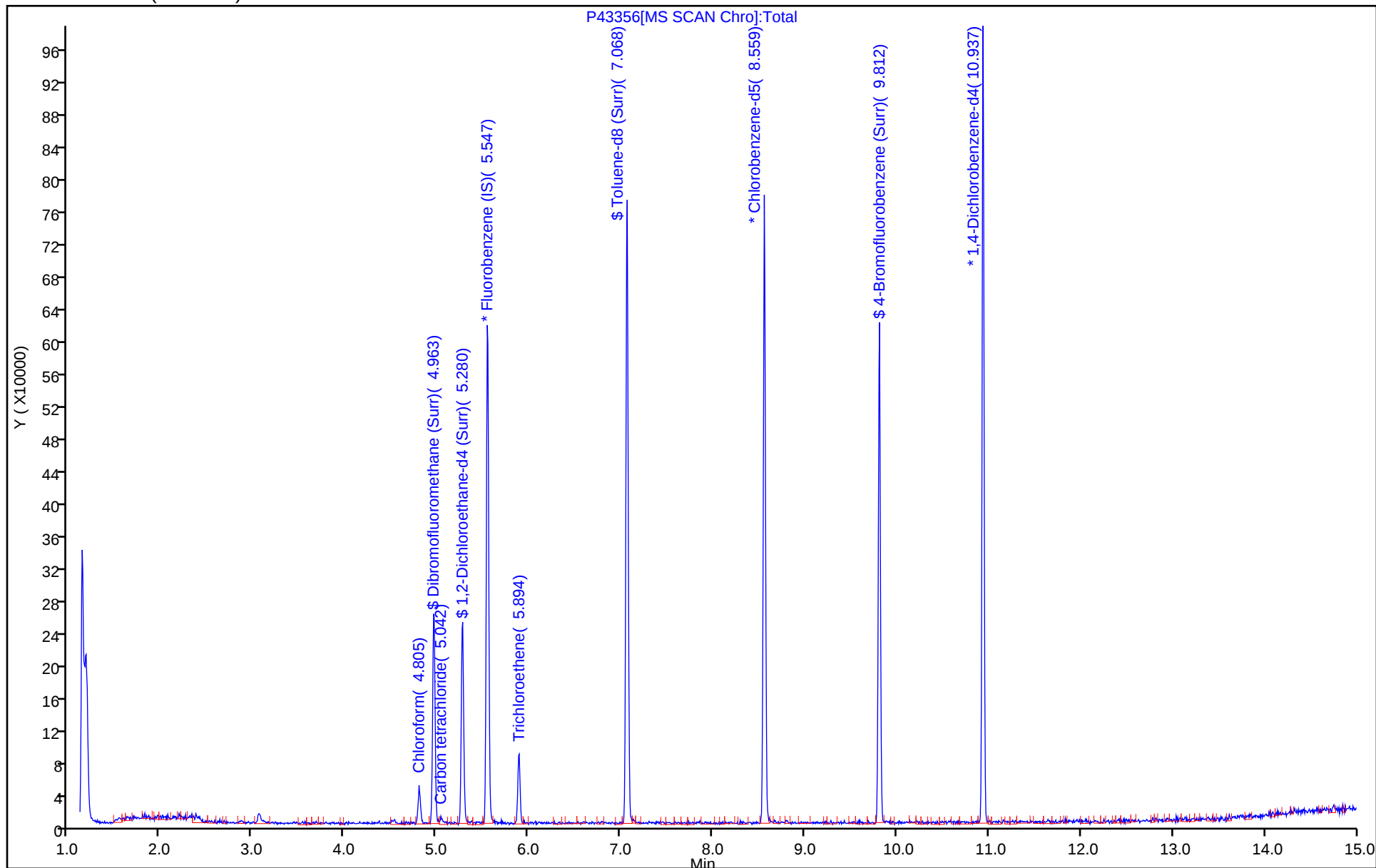
Dil. Factor: 1.0000

ALS Bottle#: 36

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43356.D

Injection Date: 15-May-2019 00:18:30

Instrument ID: HP5973P

Lims ID: 480-152979-A-2

Lab Sample ID: 480-152979-2

Client ID: GT-16-050319

Operator ID: OI

ALS Bottle#: 36

Worklist Smp#: 29

Purge Vol: 5.000 mL

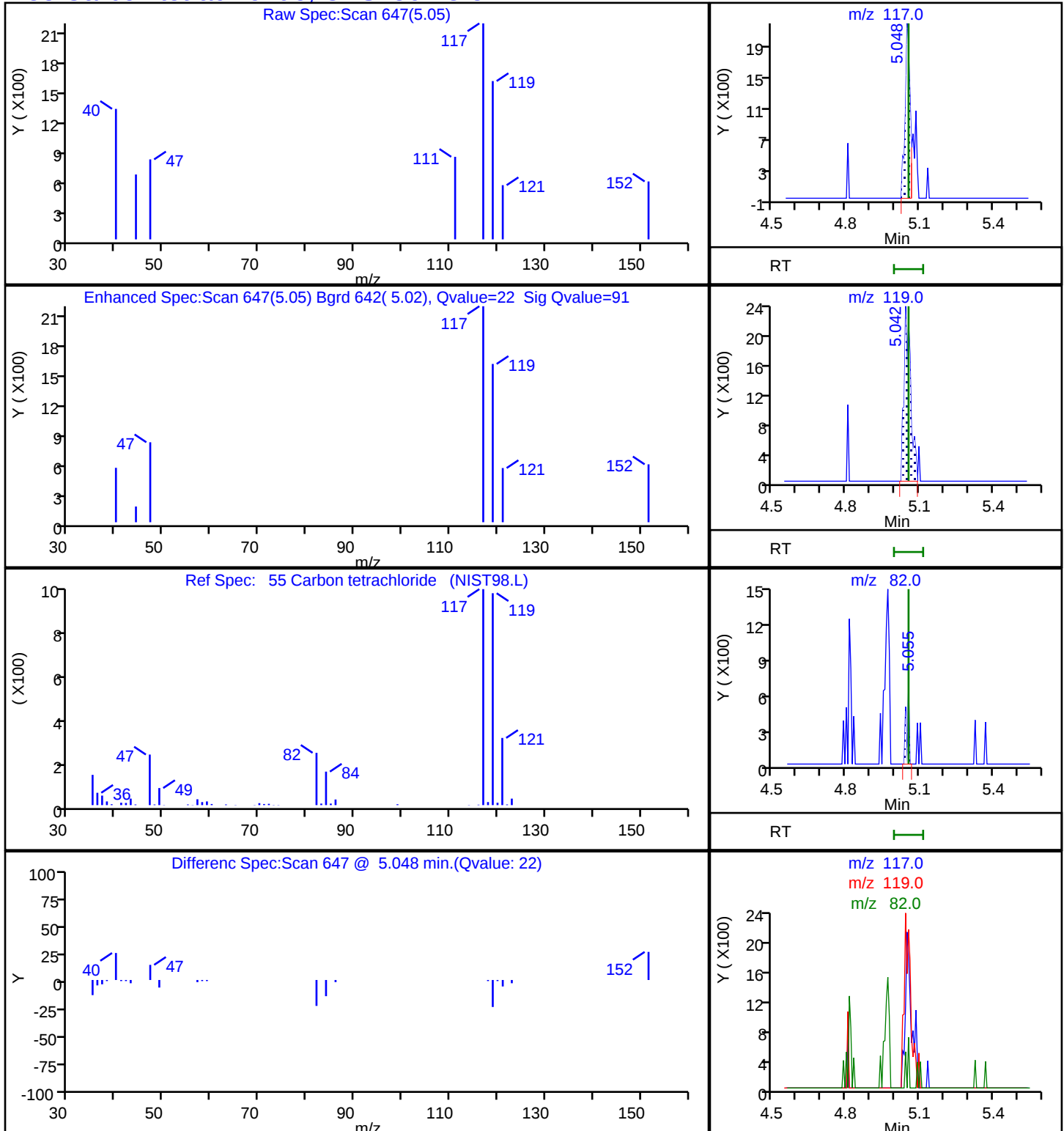
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

55 Carbon tetrachloride, CAS: 56-23-5

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43356.D

Injection Date: 15-May-2019 00:18:30

Instrument ID: HP5973P

Lims ID: 480-152979-A-2

Lab Sample ID: 480-152979-2

Client ID: GT-16-050319

Operator ID: OI

ALS Bottle#: 36

Worklist Smp#: 29

Purge Vol: 5.000 mL

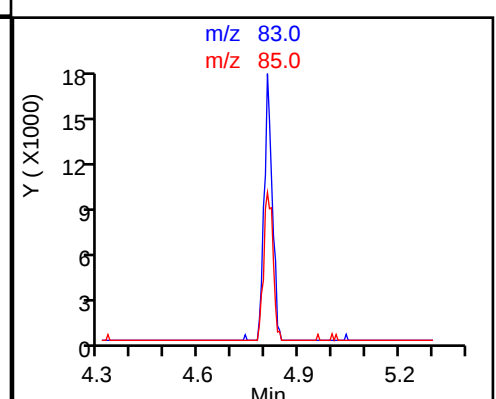
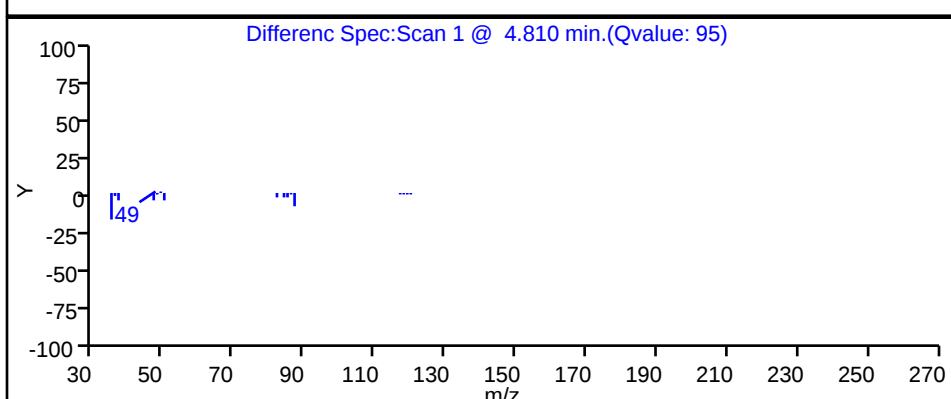
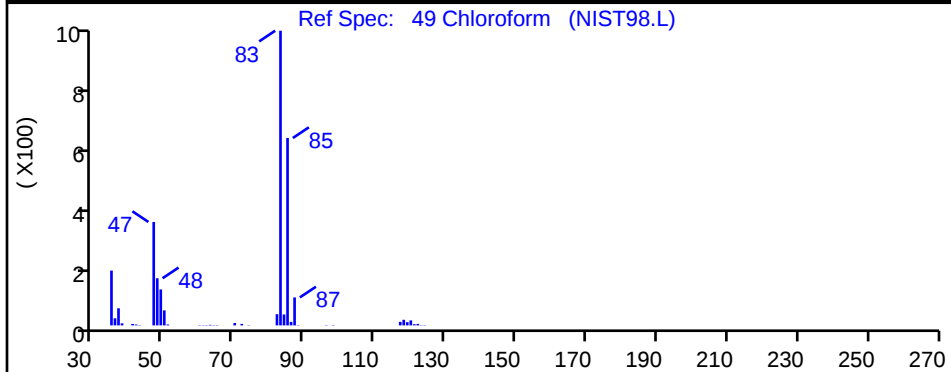
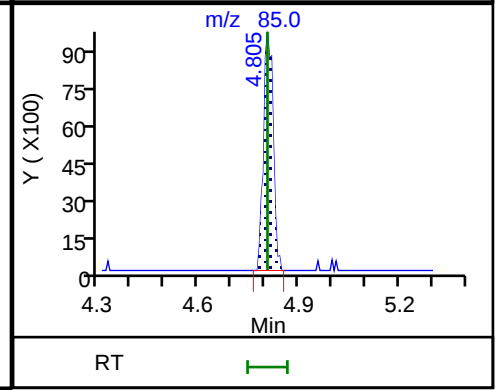
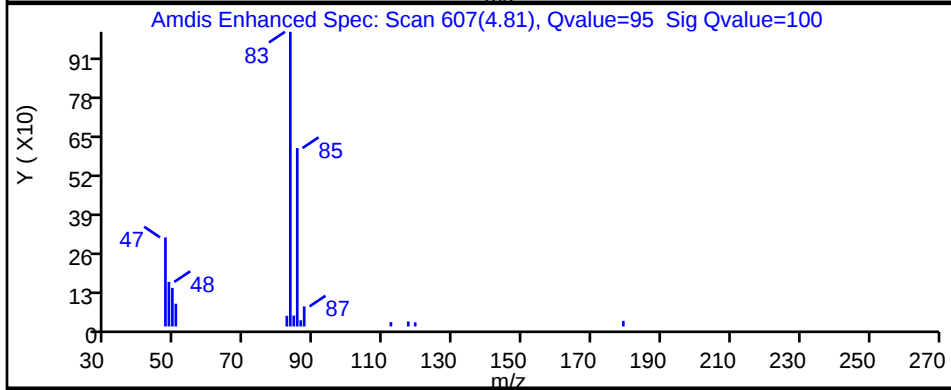
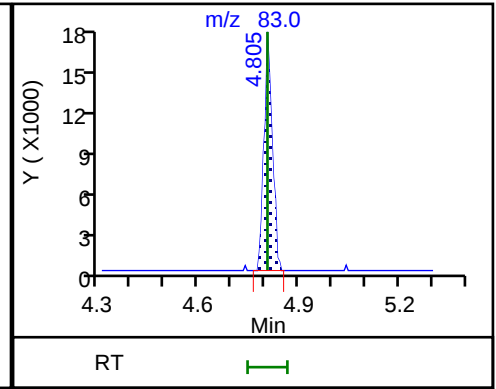
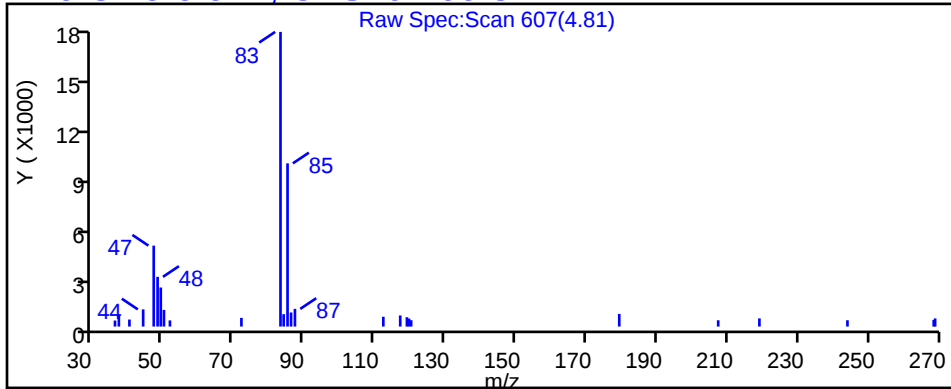
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

49 Chloroform, CAS: 67-66-3

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43356.D

Injection Date: 15-May-2019 00:18:30

Instrument ID: HP5973P

Lims ID: 480-152979-A-2

Lab Sample ID: 480-152979-2

Client ID: GT-16-050319

Operator ID: OI

ALS Bottle#: 36

Worklist Smp#: 29

Purge Vol: 5.000 mL

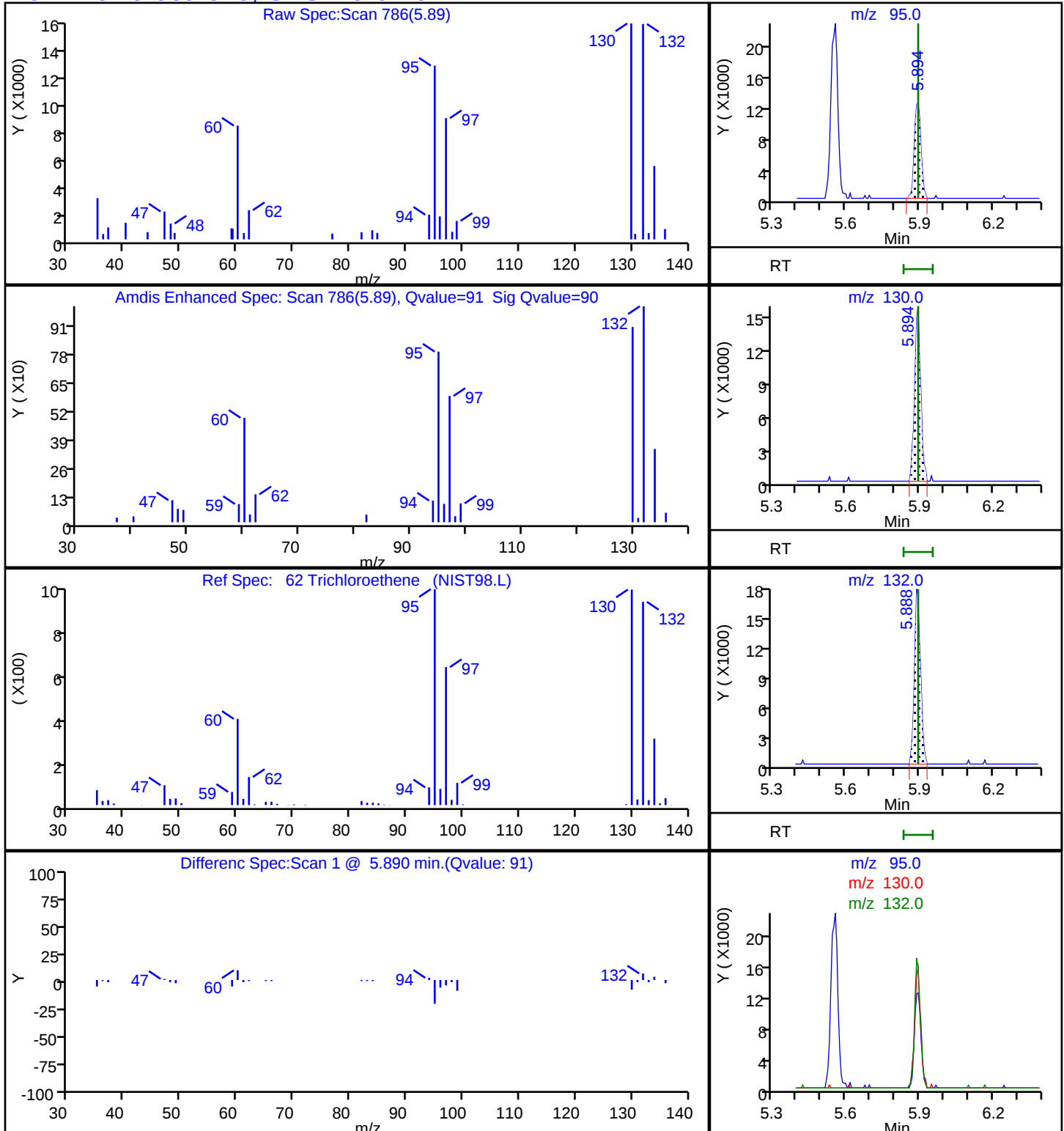
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

Eurofins TestAmerica, Buffalo

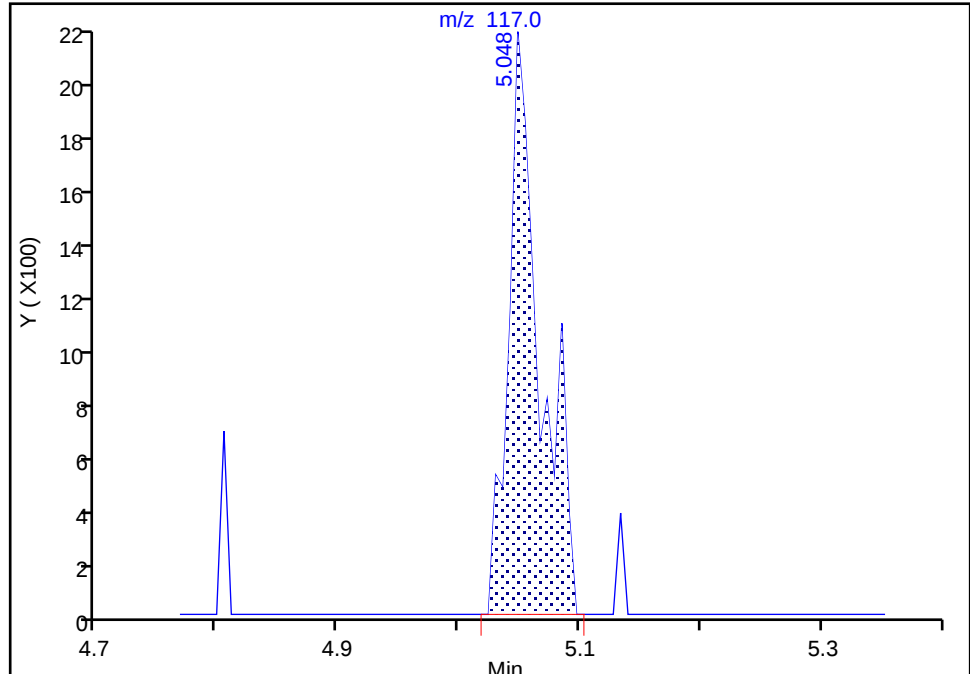
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Injection Date: 15-May-2019 00:18:30 Instrument ID: HP5973P
Lims ID: 480-152979-A-2 Lab Sample ID: 480-152979-2
Client ID: GT-16-050319
Operator ID: OI ALS Bottle#: 36 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

55 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

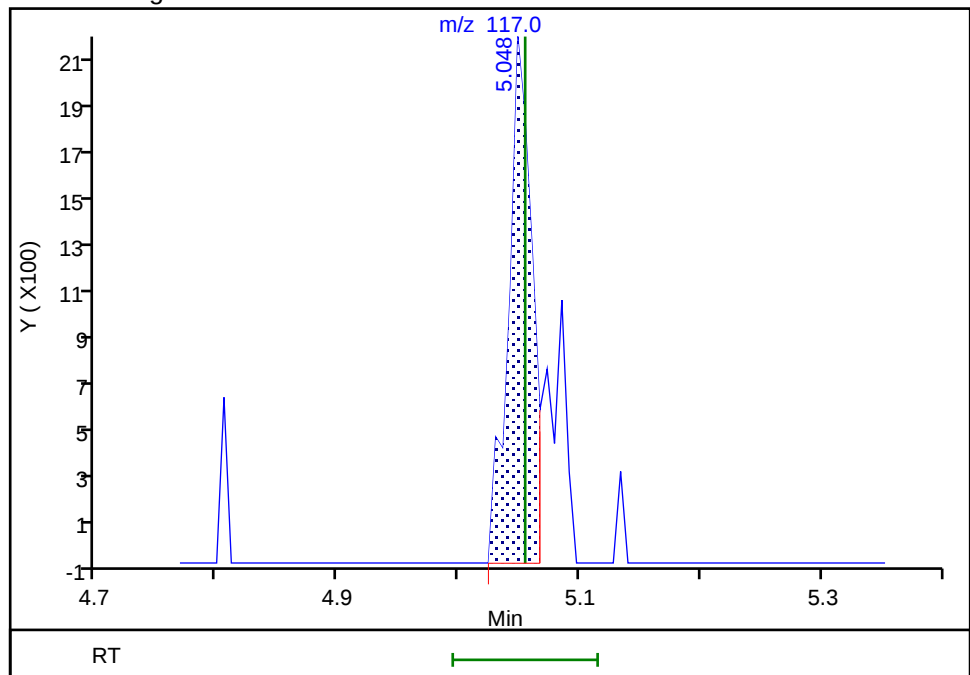
RT: 5.05
Area: 3814
Amount: 0.508298
Amount Units: ug/L

Processing Integration Results



RT: 5.05
Area: 2843
Amount: 0.378891
Amount Units: ug/L

Manual Integration Results



Reviewer: izquierdoo, 15-May-2019 13:11:27

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-152979-1</u>
SDG No.: _____	
Client Sample ID: <u>DUP-050319</u>	Lab Sample ID: <u>480-152979-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>P43357.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>05/03/2019 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>05/15/2019 00:42</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>472817</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	0.59	J	1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	2.7		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Client Sample ID: DUP-050319 Lab Sample ID: 480-152979-3
 Matrix: Water Lab File ID: P43357.D
 Analysis Method: 8260C Date Collected: 05/03/2019 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 00:42
 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.: 472817 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
103-65-1	N-Propylbenzene	ND		1.0	0.69
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	3.8		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	110		75-123
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\VP43357.D
 Lims ID: 480-152979-B-3
 Client ID: DUP-050319
 Sample Type: Client
 Inject. Date: 15-May-2019 00:42:30 ALS Bottle#: 37 Worklist Smp#: 30
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-152979-B-3
 Misc. Info.: 480-0081087-030
 Operator ID: OI Instrument ID: HP5973P
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\VP-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-May-2019 13:26:19 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\VP42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: izquierdoo

Date: 15-May-2019 13:26:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.547	5.547	0.000	98	89974	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.558	0.001	86	201379	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	93	248489	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.969	4.963	0.006	93	146448	27.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.280	5.279	0.001	94	75877	26.1	
\$ 5 Toluene-d8 (Surr)	98	7.068	7.068	0.000	92	469694	24.2	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	96	188314	25.8	
10 Dichlorodifluoromethane	85		1.313				ND	
11 Chloromethane	50		1.508				ND	
17 Vinyl chloride	62		1.611				ND	
12 Bromomethane	94		1.922				ND	
13 Chloroethane	64		2.007				ND	
14 Trichlorofluoromethane	101		2.250				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		2.743				ND	
25 1,1-Dichloroethene	96		2.761				ND	
24 Acetone	43		2.871				ND	Ua
27 Carbon disulfide	76		2.986				ND	
30 Methyl acetate	43		3.169				ND	
31 Methylene Chloride	84		3.303				ND	
32 Methyl tert-butyl ether	73		3.479				ND	
35 trans-1,2-Dichloroethene	96		3.503				ND	
40 1,1-Dichloroethane	63		3.929				ND	
43 cis-1,2-Dichloroethene	96		4.489				ND	
44 2-Butanone (MEK)	43		4.525				ND	
49 Chloroform	83	4.805	4.805	0.000	93	28206	2.74	
52 1,1,1-Trichloroethane	97		4.915				ND	
54 Cyclohexane	56		4.921				ND	
55 Carbon tetrachloride	117	5.060	5.048	0.005	1	4488	0.5933	
57 Benzene	78		5.280				ND	
60 1,2-Dichloroethane	62		5.347				ND	
62 Trichloroethene	95	5.894	5.894	0.000	94	22930	3.77	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		6.004				ND	
63 1,2-Dichloropropane	63		6.137				ND	
70 Dichlorobromomethane	83		6.430				ND	
73 cis-1,3-Dichloropropene	75		6.843				ND	
75 4-Methyl-2-pentanone (MIBK)	43		6.989				ND	
76 Toluene	92		7.129				ND	
78 trans-1,3-Dichloropropene	75		7.415				ND	
79 1,1,2-Trichloroethane	83		7.610				ND	
80 Tetrachloroethene	166		7.664				ND	
83 2-Hexanone	43		7.835				ND	
81 Chlorodibromomethane	129		8.011				ND	
85 Ethylene Dibromide	107		8.115				ND	
87 Chlorobenzene	112		8.589				ND	
89 Ethylbenzene	91		8.674				ND	
90 m-Xylene & p-Xylene	106		8.802				ND	
93 o-Xylene	106		9.228				ND	
94 Styrene	104		9.258				ND	
92 Bromoform	173		9.514				ND	
95 Isopropylbenzene	105		9.611				ND	
97 1,1,2,2-Tetrachloroethane	83		10.019				ND	
99 N-Propylbenzene	91		10.031				ND	
102 1,3,5-Trimethylbenzene	105		10.207				ND	
107 1,2,4-Trimethylbenzene	105		10.579				ND	
110 1,3-Dichlorobenzene	146		10.871				ND	
111 1,4-Dichlorobenzene	146		10.962				ND	
116 1,2-Dichlorobenzene	146		11.309				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.045				ND	
119 1,2,4-Trichlorobenzene	180		12.714				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

P 8260 IS_00373

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00342

Amount Added: 1.25

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43357.D

Injection Date: 15-May-2019 00:42:30

Instrument ID: HP5973P

Operator ID: OI

Lims ID: 480-152979-B-3

Lab Sample ID: 480-152979-3

Worklist Smp#: 30

Client ID: DUP-050319

Purge Vol: 5.000 mL

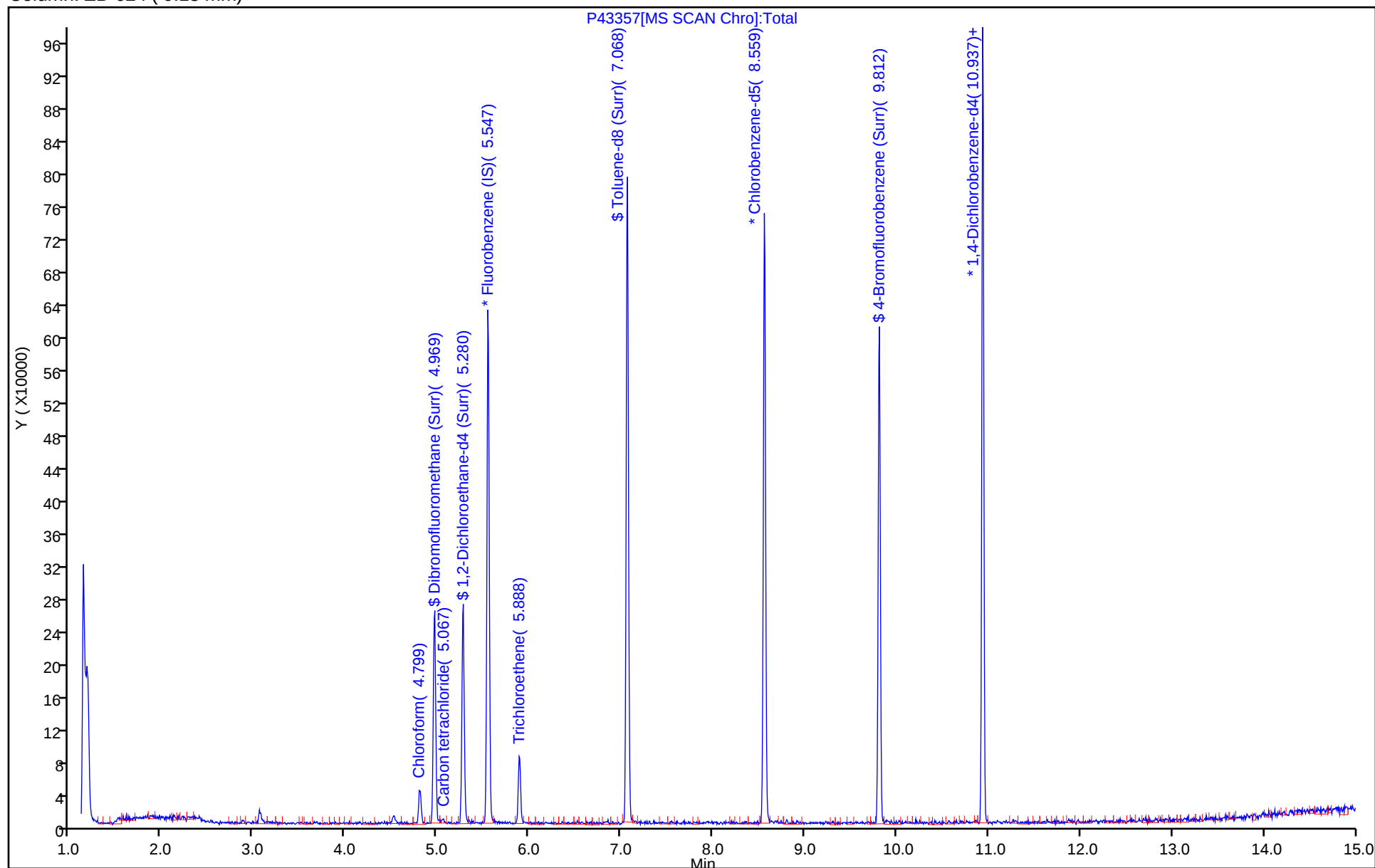
Dil. Factor: 1.0000

ALS Bottle#: 37

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43357.D

Injection Date: 15-May-2019 00:42:30

Instrument ID: HP5973P

Lims ID: 480-152979-B-3

Lab Sample ID: 480-152979-3

Client ID: DUP-050319

Operator ID: OI

ALS Bottle#: 37

Worklist Smp#: 30

Purge Vol: 5.000 mL

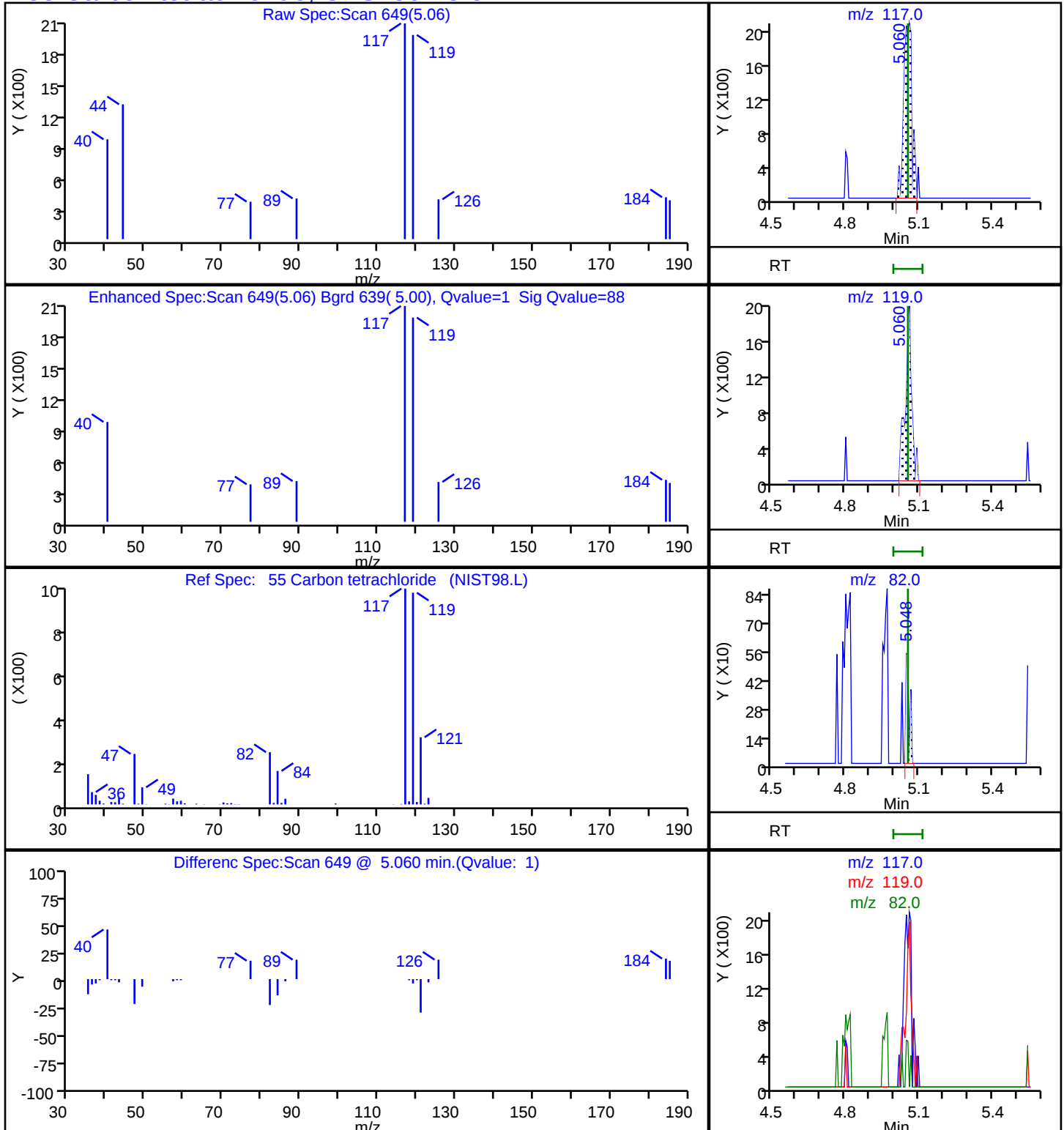
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

55 Carbon tetrachloride, CAS: 56-23-5

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43357.D

Injection Date: 15-May-2019 00:42:30

Instrument ID: HP5973P

Lims ID: 480-152979-B-3

Lab Sample ID: 480-152979-3

Client ID: DUP-050319

Operator ID: OI

ALS Bottle#: 37

Worklist Smp#: 30

Purge Vol: 5.000 mL

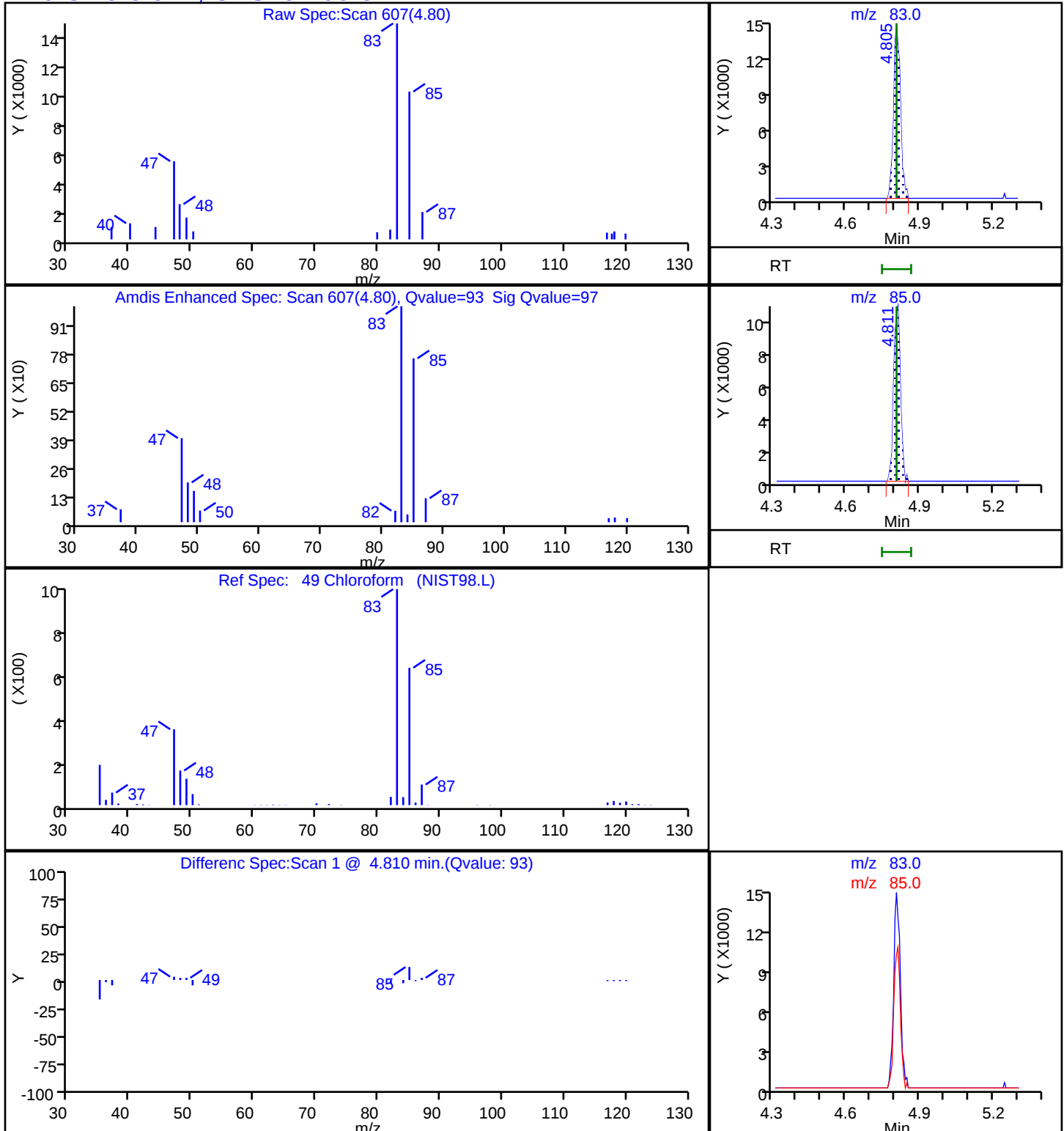
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

49 Chloroform, CAS: 67-66-3

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43357.D

Injection Date: 15-May-2019 00:42:30

Instrument ID: HP5973P

Lims ID: 480-152979-B-3

Lab Sample ID: 480-152979-3

Client ID: DUP-050319

Operator ID: OI

ALS Bottle#: 37

Worklist Smp#: 30

Purge Vol: 5.000 mL

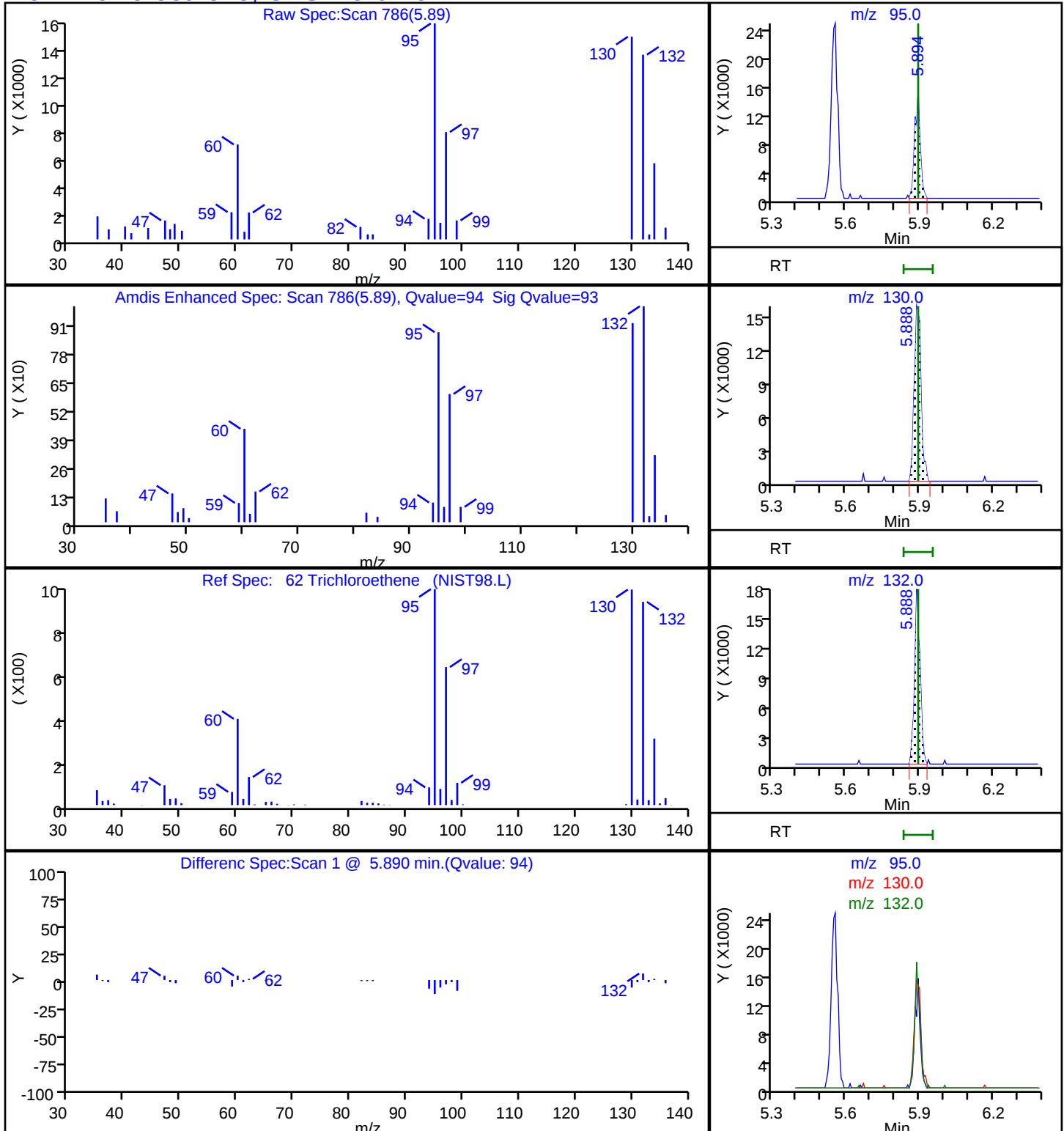
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43357.D

Injection Date: 15-May-2019 00:42:30

Instrument ID: HP5973P

Lims ID: 480-152979-B-3

Lab Sample ID: 480-152979-3

Client ID: DUP-050319

Operator ID: OI

ALS Bottle#: 37 Worklist Smp#: 30

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

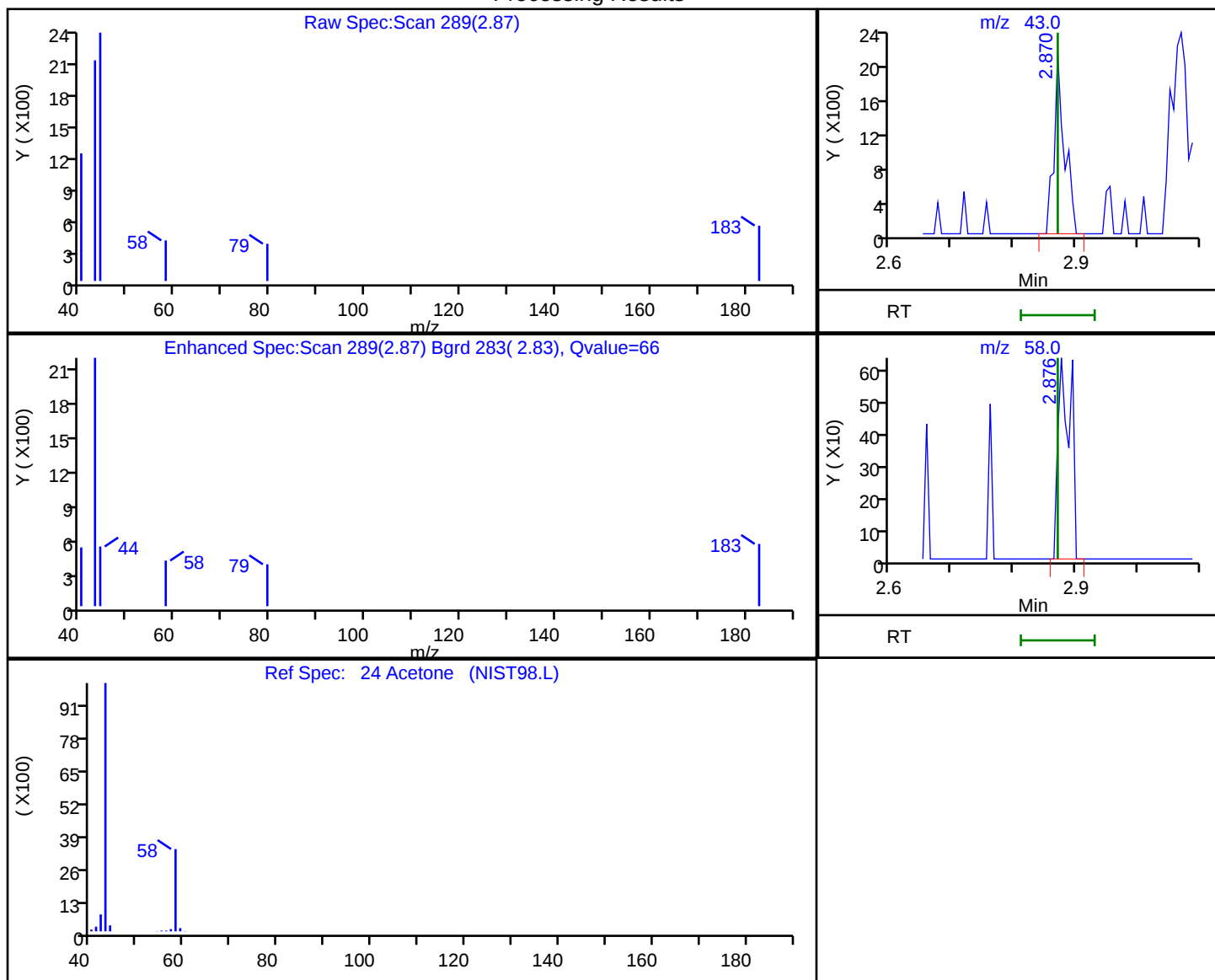
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

24 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.87	43.00	2497	0.872112
2.88	58.00	892	

Reviewer: izquierdoo, 15-May-2019 13:25:59

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.: 480-152979-1
 SDG No.: _____
 Client Sample ID: GT-15-050319 Lab Sample ID: 480-152979-4
 Matrix: Water Lab File ID: P43358.D
 Analysis Method: 8260C Date Collected: 05/03/2019 12:00
 Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 01:06
 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.: 472817 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	F1	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND	F1	1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND	F1	1.0	0.39
75-25-2	Bromoform	ND	F1	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	F1	1.0	0.27
108-90-7	Chlorobenzene	ND	F1	1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	F1	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND	F1	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND	F1	1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Client Sample ID: GT-15-050319 Lab Sample ID: 480-152979-4
 Matrix: Water Lab File ID: P43358.D
 Analysis Method: 8260C Date Collected: 05/03/2019 12:00
 Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 01:06
 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.: 472817 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
103-65-1	N-Propylbenzene	ND		1.0	0.69
100-42-5	Styrene	ND	F1	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	F1	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	3.4	F1	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	F1	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	108		75-123
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\HP43358.D
 Lims ID: 480-152979-A-4
 Client ID: GT-15-050319
 Sample Type: Client
 Inject. Date: 15-May-2019 01:06:30 ALS Bottle#: 38 Worklist Smp#: 31
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-152979-A-4
 Misc. Info.: 480-0081087-031
 Operator ID: OI Instrument ID: HP5973P
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\HP-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-May-2019 13:27:01 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\HP42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: izquierdoo

Date: 15-May-2019 13:27:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.547	5.547	0.000	98	89745	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.558	0.001	86	193918	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	93	254394	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.969	4.963	0.006	94	143928	27.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.279	5.279	0.000	96	71608	24.7	
\$ 5 Toluene-d8 (Surr)	98	7.068	7.068	0.000	94	454603	24.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	95	175069	24.9	
10 Dichlorodifluoromethane	85		1.313				ND	
11 Chloromethane	50		1.508				ND	
17 Vinyl chloride	62		1.611				ND	
12 Bromomethane	94		1.922				ND	
13 Chloroethane	64		2.007				ND	
14 Trichlorofluoromethane	101		2.250				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		2.743				ND	
25 1,1-Dichloroethene	96		2.761				ND	
24 Acetone	43		2.871				ND	
27 Carbon disulfide	76		2.986				ND	
30 Methyl acetate	43		3.169				ND	
31 Methylene Chloride	84		3.303				ND	
32 Methyl tert-butyl ether	73		3.479				ND	
35 trans-1,2-Dichloroethene	96		3.503				ND	
40 1,1-Dichloroethane	63		3.929				ND	
43 cis-1,2-Dichloroethene	96		4.489				ND	
44 2-Butanone (MEK)	43		4.525				ND	
49 Chloroform	83		4.805				ND	Ua
52 1,1,1-Trichloroethane	97		4.915				ND	
54 Cyclohexane	56		4.921				ND	
55 Carbon tetrachloride	117		5.055				ND	
57 Benzene	78		5.280				ND	
60 1,2-Dichloroethane	62		5.347				ND	
62 Trichloroethene	95	5.894	5.894	0.000	88	20404	3.37	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		6.004				ND	
63 1,2-Dichloropropane	63		6.137				ND	
70 Dichlorobromomethane	83		6.430				ND	
73 cis-1,3-Dichloropropene	75		6.843				ND	
75 4-Methyl-2-pentanone (MIBK)	43		6.989				ND	
76 Toluene	92		7.129				ND	
78 trans-1,3-Dichloropropene	75		7.415				ND	
79 1,1,2-Trichloroethane	83		7.610				ND	
80 Tetrachloroethene	166		7.664				ND	
83 2-Hexanone	43		7.835				ND	
81 Chlorodibromomethane	129		8.011				ND	
85 Ethylene Dibromide	107		8.115				ND	
87 Chlorobenzene	112		8.589				ND	
89 Ethylbenzene	91		8.674				ND	
90 m-Xylene & p-Xylene	106		8.802				ND	
93 o-Xylene	106		9.228				ND	
94 Styrene	104		9.258				ND	
92 Bromoform	173		9.514				ND	
95 Isopropylbenzene	105		9.611				ND	
97 1,1,2,2-Tetrachloroethane	83		10.019				ND	
99 N-Propylbenzene	91		10.031				ND	
102 1,3,5-Trimethylbenzene	105		10.207				ND	
107 1,2,4-Trimethylbenzene	105		10.579				ND	
110 1,3-Dichlorobenzene	146		10.871				ND	
111 1,4-Dichlorobenzene	146		10.962				ND	
116 1,2-Dichlorobenzene	146		11.309				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.045				ND	
119 1,2,4-Trichlorobenzene	180		12.714				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

P 8260 IS_00373

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00342

Amount Added: 1.25

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43358.D

Injection Date: 15-May-2019 01:06:30

Instrument ID: HP5973P

Operator ID: OI

Lims ID: 480-152979-A-4

Lab Sample ID: 480-152979-4

Worklist Smp#: 31

Client ID: GT-15-050319

Purge Vol: 5.000 mL

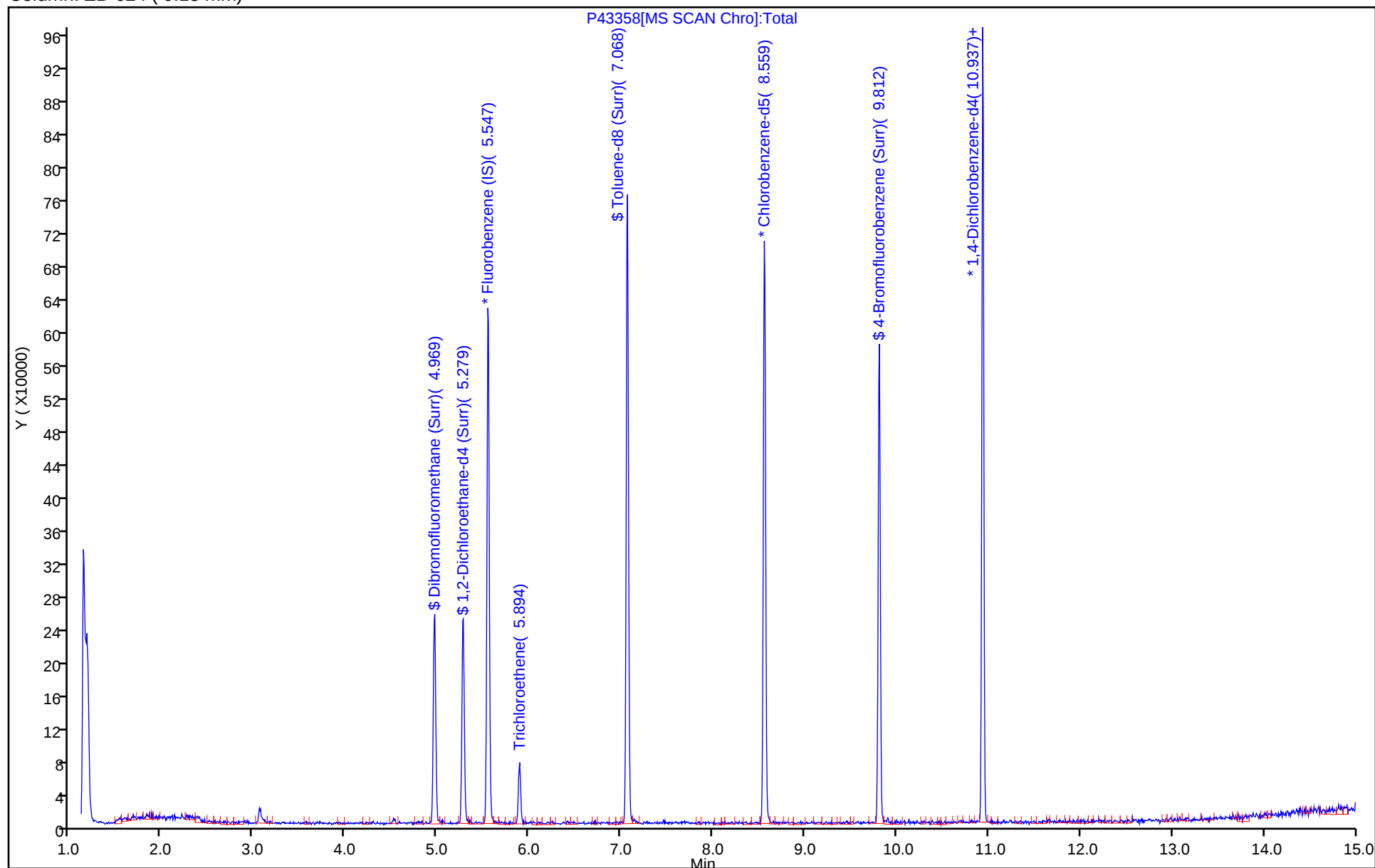
Dil. Factor: 1.0000

ALS Bottle#: 38

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43358.D

Injection Date: 15-May-2019 01:06:30

Instrument ID: HP5973P

Lims ID: 480-152979-A-4

Lab Sample ID: 480-152979-4

Client ID: GT-15-050319

Operator ID: OI

ALS Bottle#: 38

Worklist Smp#: 31

Purge Vol: 5.000 mL

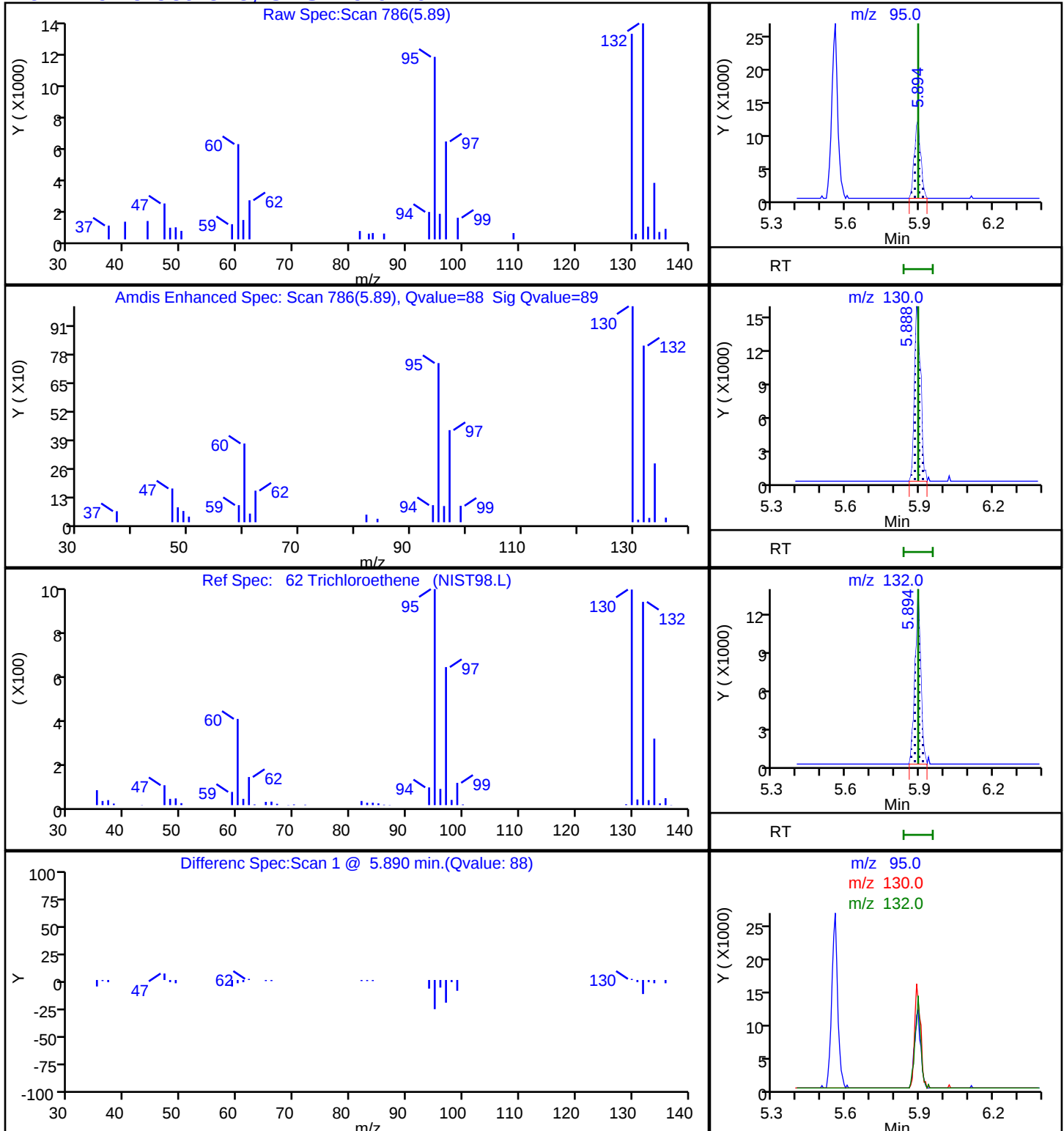
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

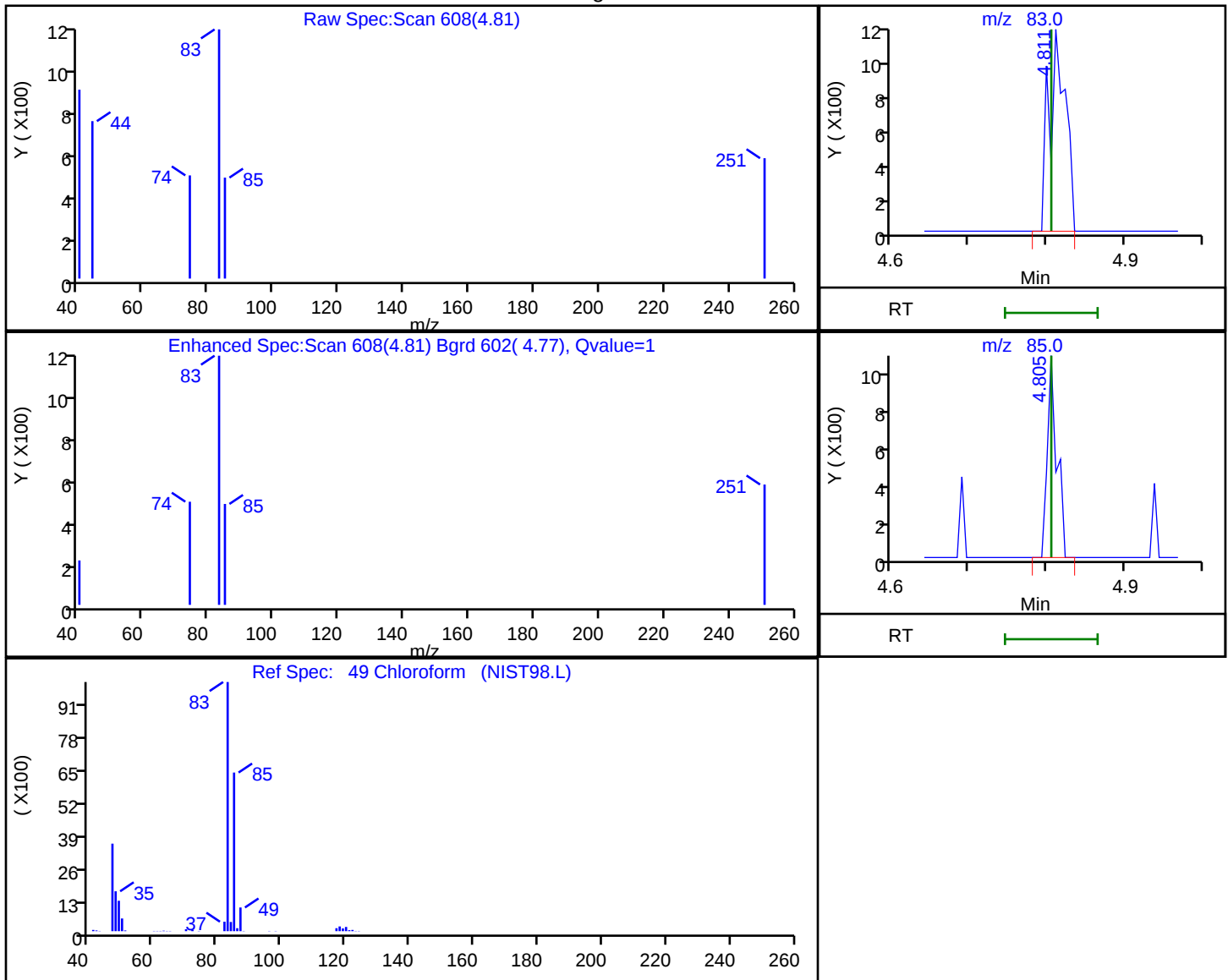
62 Trichloroethene, CAS: 79-01-6

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43358.D
Injection Date: 15-May-2019 01:06:30 Instrument ID: HP5973P
Lims ID: 480-152979-A-4 Lab Sample ID: 480-152979-4
Client ID: GT-15-050319
Operator ID: OI ALS Bottle#: 38 Worklist Smp#: 31
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

49 Chloroform, CAS: 67-66-3

Processing Results



RT	Mass	Response	Amount
4.81	83.00	1643	0.159748
4.80	85.00	908	

Reviewer: izquierdoo, 15-May-2019 13:26:50

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.: 480-152979-1

SDG No.: _____

Client Sample ID: GT-7-050319 Lab Sample ID: 480-152979-5

Matrix: Water Lab File ID: P43359.D

Analysis Method: 8260C Date Collected: 05/03/2019 13:45

Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 01:29

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 472817 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	0.46	J	1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Client Sample ID: GT-7-050319 Lab Sample ID: 480-152979-5
 Matrix: Water Lab File ID: P43359.D
 Analysis Method: 8260C Date Collected: 05/03/2019 13:45
 Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 01:29
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472817 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	119		75-123
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\HP43359.D
 Lims ID: 480-152979-A-5
 Client ID: GT-7-050319
 Sample Type: Client
 Inject. Date: 15-May-2019 01:29:30 ALS Bottle#: 39 Worklist Smp#: 34
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-152979-A-5
 Misc. Info.: 480-0081087-034
 Operator ID: OI Instrument ID: HP5973P
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\HP-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-May-2019 13:27:01 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\HP42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: izquierdoo

Date: 15-May-2019 13:27:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.547	5.547	0.000	98	81842	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.558	0.001	86	195371	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	93	252319	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.969	4.963	0.006	93	143725	29.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.273	5.279	-0.006	97	73083	27.6	
\$ 5 Toluene-d8 (Surr)	98	7.068	7.068	0.000	93	458067	24.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	96	187152	26.4	
10 Dichlorodifluoromethane	85		1.313				ND	
11 Chloromethane	50		1.508				ND	
17 Vinyl chloride	62		1.611				ND	
12 Bromomethane	94		1.922				ND	
13 Chloroethane	64		2.007				ND	
14 Trichlorofluoromethane	101		2.250				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		2.743				ND	
25 1,1-Dichloroethene	96		2.761				ND	
24 Acetone	43		2.871				ND	
27 Carbon disulfide	76		2.986				ND	
30 Methyl acetate	43		3.169				ND	
31 Methylene Chloride	84		3.303				ND	
32 Methyl tert-butyl ether	73		3.479				ND	
35 trans-1,2-Dichloroethene	96		3.503				ND	
40 1,1-Dichloroethane	63		3.929				ND	
43 cis-1,2-Dichloroethene	96		4.489				ND	
44 2-Butanone (MEK)	43		4.525				ND	
49 Chloroform	83	4.805	4.811	0.000	30	4311	0.4596	
52 1,1,1-Trichloroethane	97		4.915				ND	
54 Cyclohexane	56		4.921				ND	
55 Carbon tetrachloride	117		5.055				ND	
57 Benzene	78		5.280				ND	
60 1,2-Dichloroethane	62		5.347				ND	
62 Trichloroethene	95		5.894				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		6.004				ND	
63 1,2-Dichloropropane	63		6.137				ND	
70 Dichlorobromomethane	83		6.430				ND	
73 cis-1,3-Dichloropropene	75		6.843				ND	
75 4-Methyl-2-pentanone (MIBK)	43		6.989				ND	
76 Toluene	92		7.129				ND	
78 trans-1,3-Dichloropropene	75		7.415				ND	
79 1,1,2-Trichloroethane	83		7.610				ND	
80 Tetrachloroethene	166		7.664				ND	
83 2-Hexanone	43		7.835				ND	
81 Chlorodibromomethane	129		8.011				ND	
85 Ethylene Dibromide	107		8.115				ND	
87 Chlorobenzene	112		8.589				ND	
89 Ethylbenzene	91		8.674				ND	
90 m-Xylene & p-Xylene	106		8.802				ND	
93 o-Xylene	106		9.228				ND	
94 Styrene	104		9.258				ND	
92 Bromoform	173		9.514				ND	
95 Isopropylbenzene	105		9.611				ND	
97 1,1,2,2-Tetrachloroethane	83		10.019				ND	
99 N-Propylbenzene	91		10.031				ND	
102 1,3,5-Trimethylbenzene	105		10.207				ND	
107 1,2,4-Trimethylbenzene	105		10.579				ND	
110 1,3-Dichlorobenzene	146		10.871				ND	
111 1,4-Dichlorobenzene	146		10.962				ND	
116 1,2-Dichlorobenzene	146		11.309				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.045				ND	
119 1,2,4-Trichlorobenzene	180		12.714				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00373

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00342

Amount Added: 1.25

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43359.D

Injection Date: 15-May-2019 01:29:30

Instrument ID: HP5973P

Operator ID: OI

Lims ID: 480-152979-A-5

Lab Sample ID: 480-152979-5

Worklist Smp#: 34

Client ID: GT-7-050319

Purge Vol: 5.000 mL

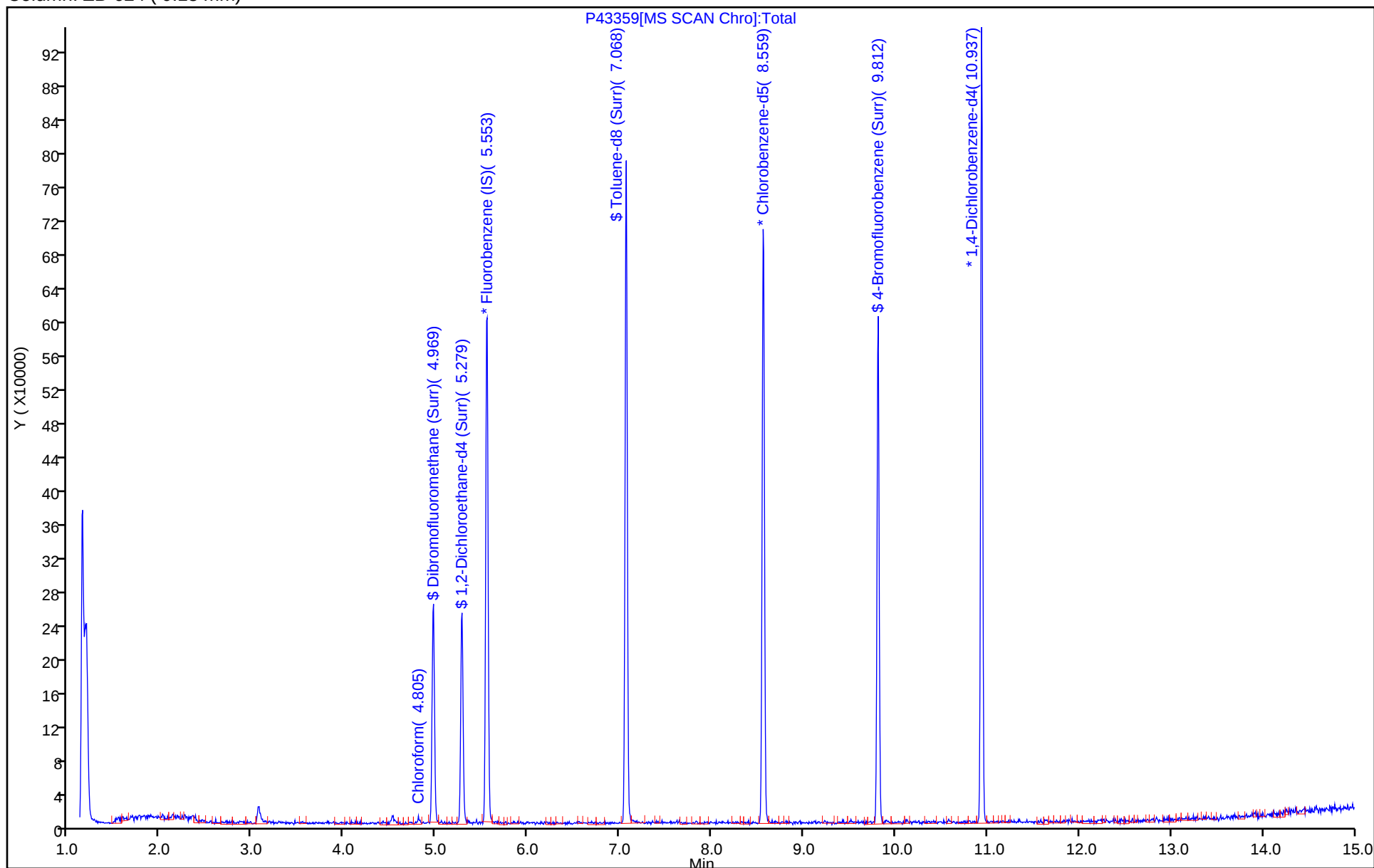
Dil. Factor: 1.0000

ALS Bottle#: 39

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43359.D

Injection Date: 15-May-2019 01:29:30

Instrument ID: HP5973P

Lims ID: 480-152979-A-5

Lab Sample ID: 480-152979-5

Client ID: GT-7-050319

Operator ID: OI

ALS Bottle#: 39

Worklist Smp#: 34

Purge Vol: 5.000 mL

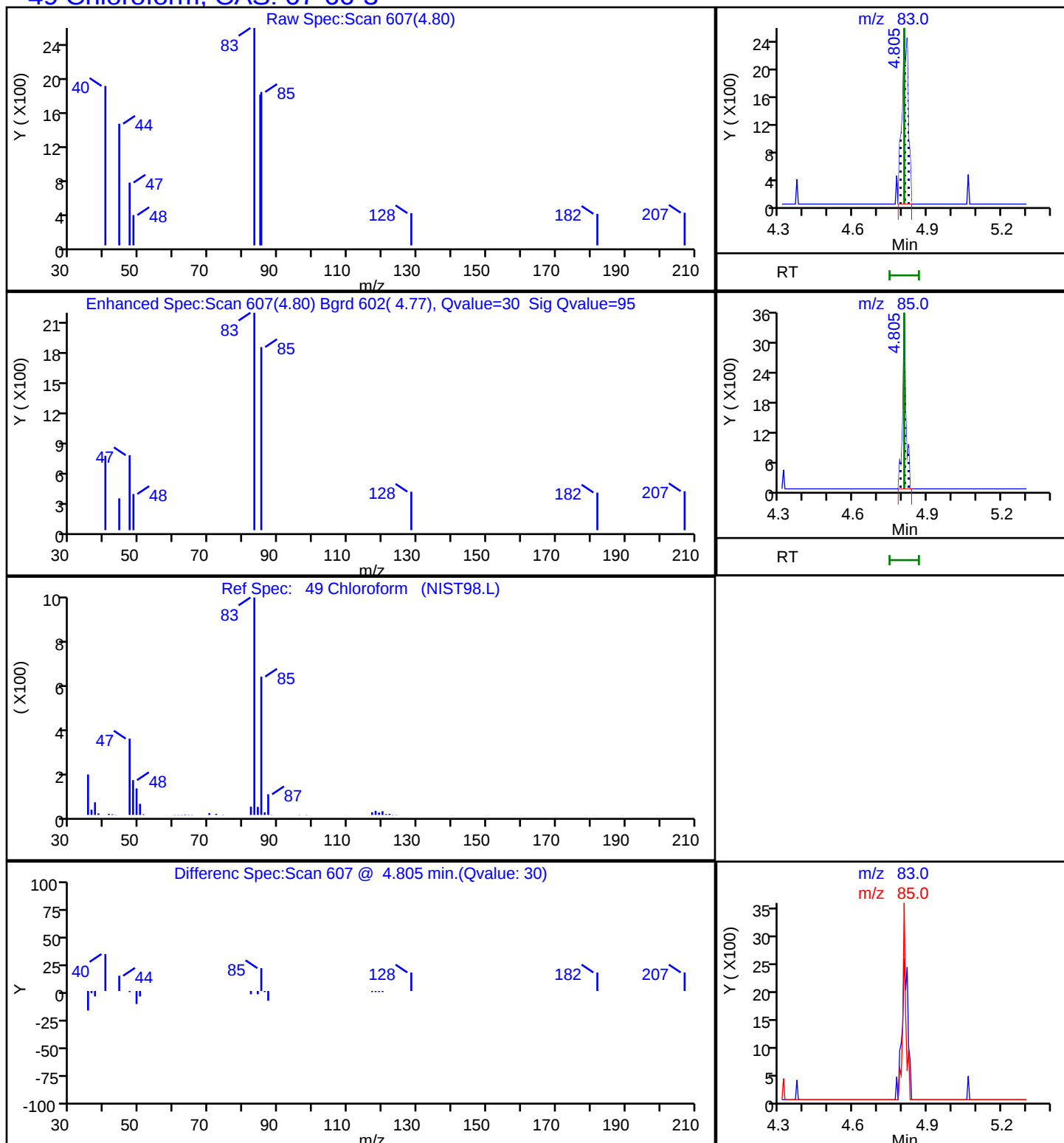
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

49 Chloroform, CAS: 67-66-3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Client Sample ID: VRI-9-050319 Lab Sample ID: 480-152979-6
 Matrix: Water Lab File ID: P43382.D
 Analysis Method: 8260C Date Collected: 05/03/2019 08:15
 Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 11:45
 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.: 472891 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	18		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	7.7		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Client Sample ID: VRI-9-050319 Lab Sample ID: 480-152979-6
 Matrix: Water Lab File ID: P43382.D
 Analysis Method: 8260C Date Collected: 05/03/2019 08:15
 Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 11:45
 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.: 472891 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	1.0		1.0	0.79
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
103-65-1	N-Propylbenzene	1.5		1.0	0.69
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	11		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	108		75-123
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43382.D
 Lims ID: 480-152979-B-6
 Client ID: VRI-9-050319
 Sample Type: Client
 Inject. Date: 15-May-2019 11:45:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-152979-B-6
 Misc. Info.: 480-0081100-008
 Operator ID: OI Instrument ID: HP5973P
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-May-2019 14:36:44 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: izquierdoo

Date: 15-May-2019 14:36:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.547	5.547	0.000	99	90777	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.559	0.000	86	196914	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	94	262265	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.969	4.963	0.006	94	144419	26.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.279	5.280	-0.001	96	73956	25.2	
\$ 5 Toluene-d8 (Surr)	98	7.068	7.062	0.006	93	459590	24.2	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	95	190617	26.7	
10 Dichlorodifluoromethane	85		1.313				ND	
11 Chloromethane	50		1.508				ND	
17 Vinyl chloride	62		1.611				ND	
12 Bromomethane	94		1.927				ND	
13 Chloroethane	64		2.007				ND	
14 Trichlorofluoromethane	101		2.250				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		2.743				ND	
25 1,1-Dichloroethene	96		2.767				ND	
24 Acetone	43		2.870				ND	Ua
27 Carbon disulfide	76		2.986				ND	
30 Methyl acetate	43		3.169				ND	
31 Methylene Chloride	84		3.302				ND	
32 Methyl tert-butyl ether	73		3.479				ND	
35 trans-1,2-Dichloroethene	96		3.497				ND	
40 1,1-Dichloroethane	63		3.923				ND	
43 cis-1,2-Dichloroethene	96		4.489				ND	
44 2-Butanone (MEK)	43		4.525				ND	
49 Chloroform	83		4.805				ND	
52 1,1,1-Trichloroethane	97		4.915				ND	
54 Cyclohexane	56		4.921				ND	
55 Carbon tetrachloride	117		5.054				ND	
57 Benzene	78		5.273				ND	
60 1,2-Dichloroethane	62		5.346				ND	
62 Trichloroethene	95		5.888				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		6.010				ND	
63 1,2-Dichloropropane	63		6.137				ND	
70 Dichlorobromomethane	83		6.429				ND	
73 cis-1,3-Dichloropropene	75		6.843				ND	
75 4-Methyl-2-pentanone (MIBK)	43		6.989				ND	
76 Toluene	92		7.135				ND	
78 trans-1,3-Dichloropropene	75		7.421				ND	
79 1,1,2-Trichloroethane	83		7.610				ND	
80 Tetrachloroethene	166		7.664				ND	
83 2-Hexanone	43		7.835				ND	
81 Chlorodibromomethane	129		8.011				ND	
85 Ethylene Dibromide	107		8.114				ND	
87 Chlorobenzene	112		8.589				ND	
89 Ethylbenzene	91		8.674				ND	Ua
90 m-Xylene & p-Xylene	106	8.790	8.802	-0.012	94	17701	1.72	
93 o-Xylene	106	9.228	9.234	-0.006	98	92871	8.79	
94 Styrene	104		9.258				ND	U
92 Bromoform	173		9.514				ND	
95 Isopropylbenzene	105	9.611	9.611	0.000	95	30381	1.05	
97 1,1,2,2-Tetrachloroethane	83		10.013				ND	
99 N-Propylbenzene	91	10.031	10.031	0.000	99	50087	1.50	
102 1,3,5-Trimethylbenzene	105	10.207	10.207	0.000	96	188379	7.69	
107 1,2,4-Trimethylbenzene	105	10.578	10.578	0.000	98	456226	18.1	
110 1,3-Dichlorobenzene	146		10.876				ND	
111 1,4-Dichlorobenzene	146		10.962				ND	
116 1,2-Dichlorobenzene	146		11.314				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.044				ND	
119 1,2,4-Trichlorobenzene	180		12.714				ND	Ua
S 126 Xylenes, Total	1				0		10.5	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

P 8260 IS_00373

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00342

Amount Added: 1.25

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43382.D

Injection Date: 15-May-2019 11:45:30

Instrument ID: HP5973P

Operator ID: OI

Lims ID: 480-152979-B-6

Lab Sample ID: 480-152979-6

Worklist Smp#: 8

Client ID: VRI-9-050319

Purge Vol: 5.000 mL

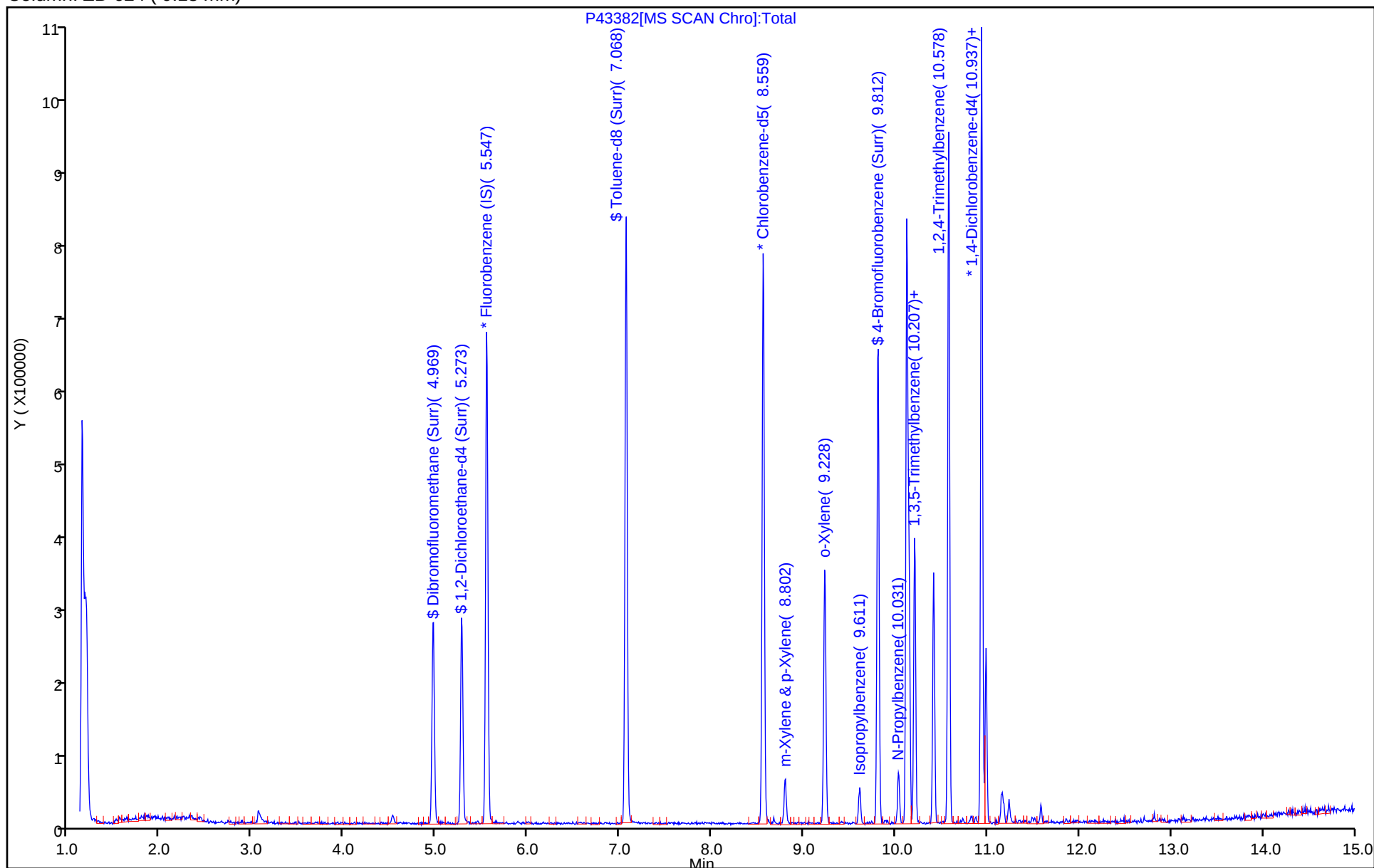
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43382.D

Injection Date: 15-May-2019 11:45:30

Instrument ID: HP5973P

Lims ID: 480-152979-B-6

Lab Sample ID: 480-152979-6

Client ID: VRI-9-050319

Operator ID: OI

ALS Bottle#: 8

Worklist Smp#: 8

Purge Vol: 5.000 mL

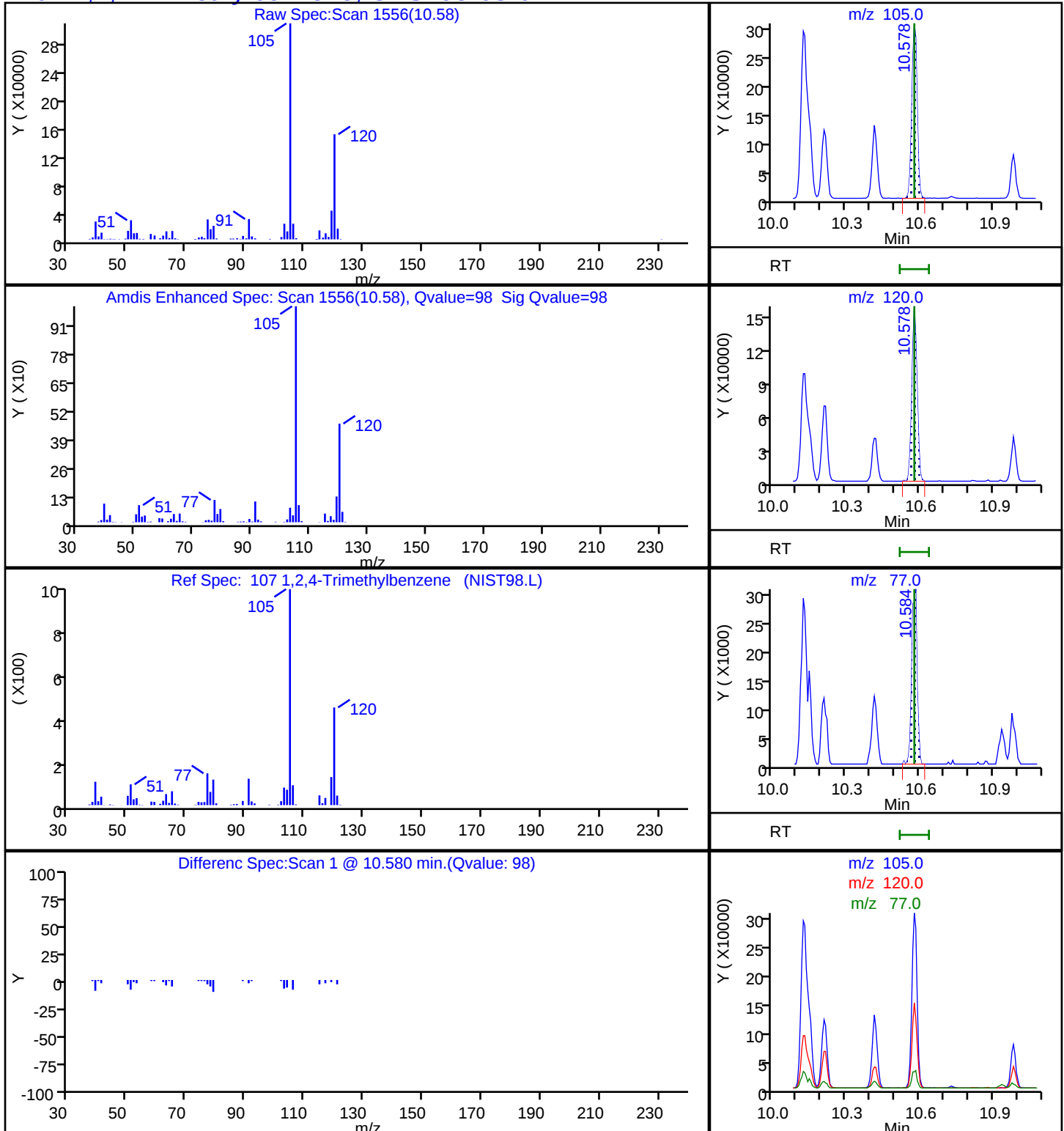
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43382.D

Injection Date: 15-May-2019 11:45:30

Instrument ID: HP5973P

Lims ID: 480-152979-B-6

Lab Sample ID: 480-152979-6

Client ID: VRI-9-050319

Operator ID: OI

ALS Bottle#: 8

Worklist Smp#: 8

Purge Vol: 5.000 mL

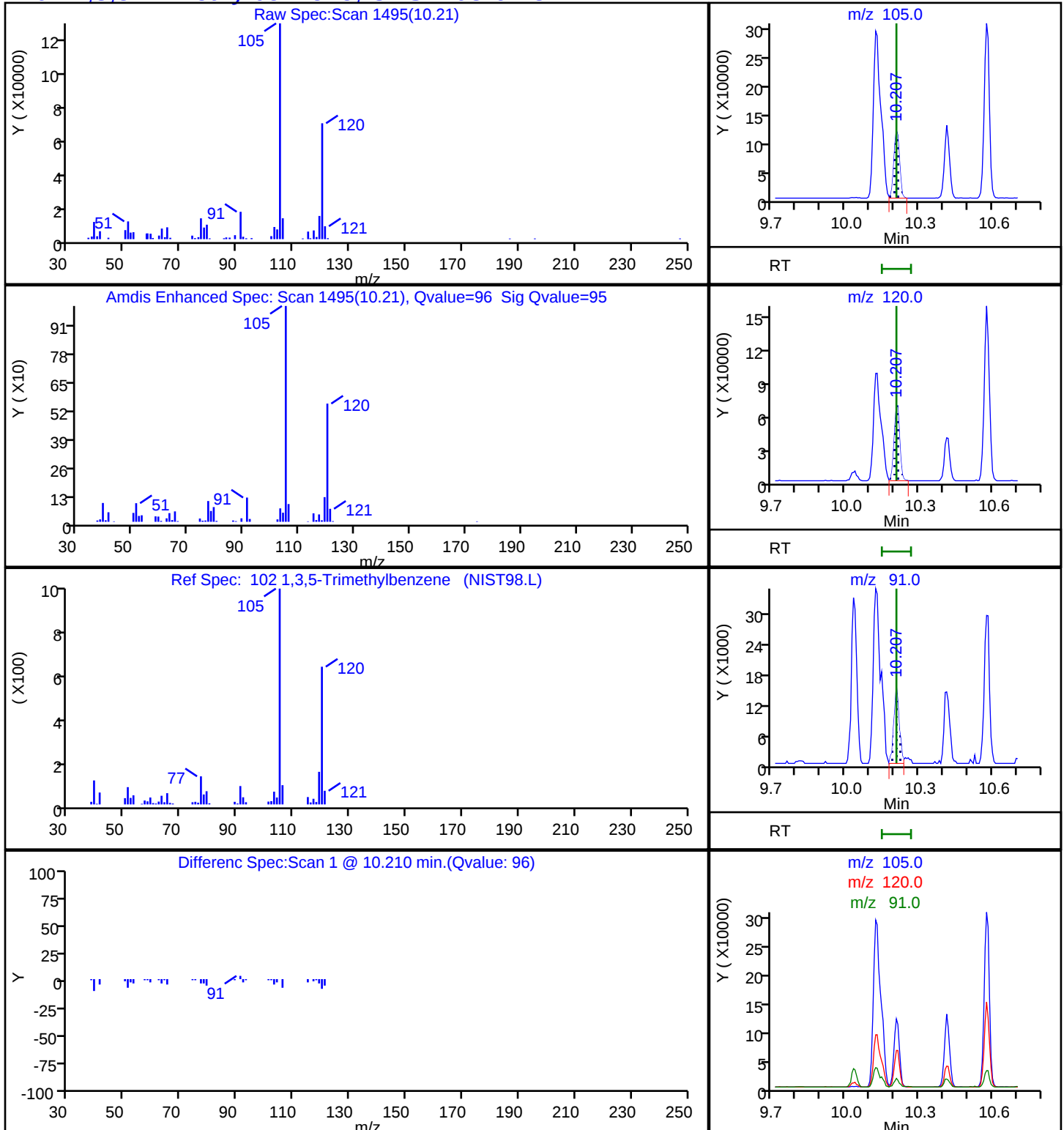
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43382.D

Injection Date: 15-May-2019 11:45:30

Instrument ID: HP5973P

Lims ID: 480-152979-B-6

Lab Sample ID: 480-152979-6

Client ID: VRI-9-050319

Operator ID: OI

ALS Bottle#: 8

Worklist Smp#: 8

Purge Vol: 5.000 mL

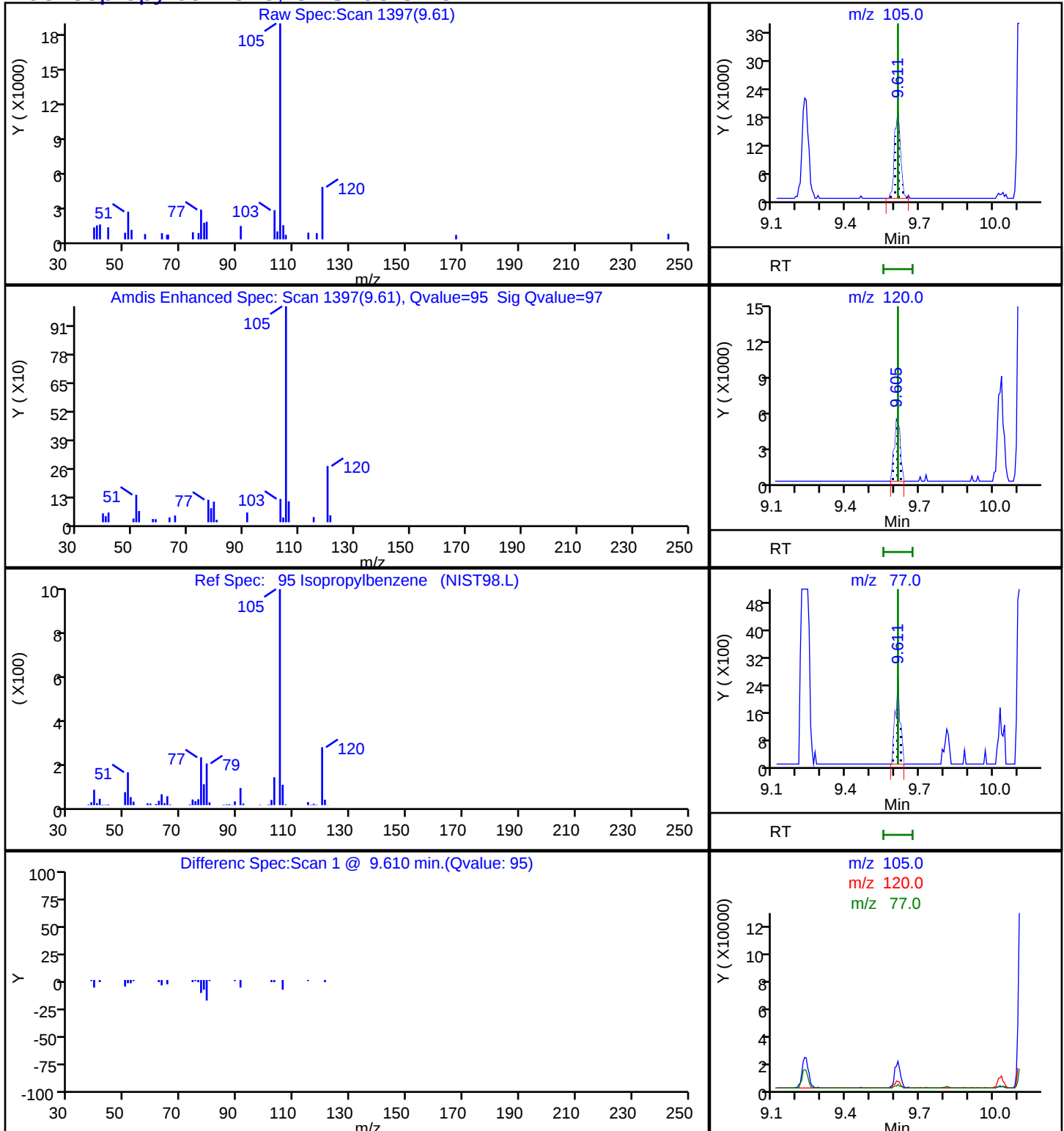
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

95 Isopropylbenzene, CAS: 98-82-8

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43382.D

Injection Date: 15-May-2019 11:45:30

Instrument ID: HP5973P

Lims ID: 480-152979-B-6

Lab Sample ID: 480-152979-6

Client ID: VRI-9-050319

Operator ID: OI

ALS Bottle#: 8

Worklist Smp#: 8

Purge Vol: 5.000 mL

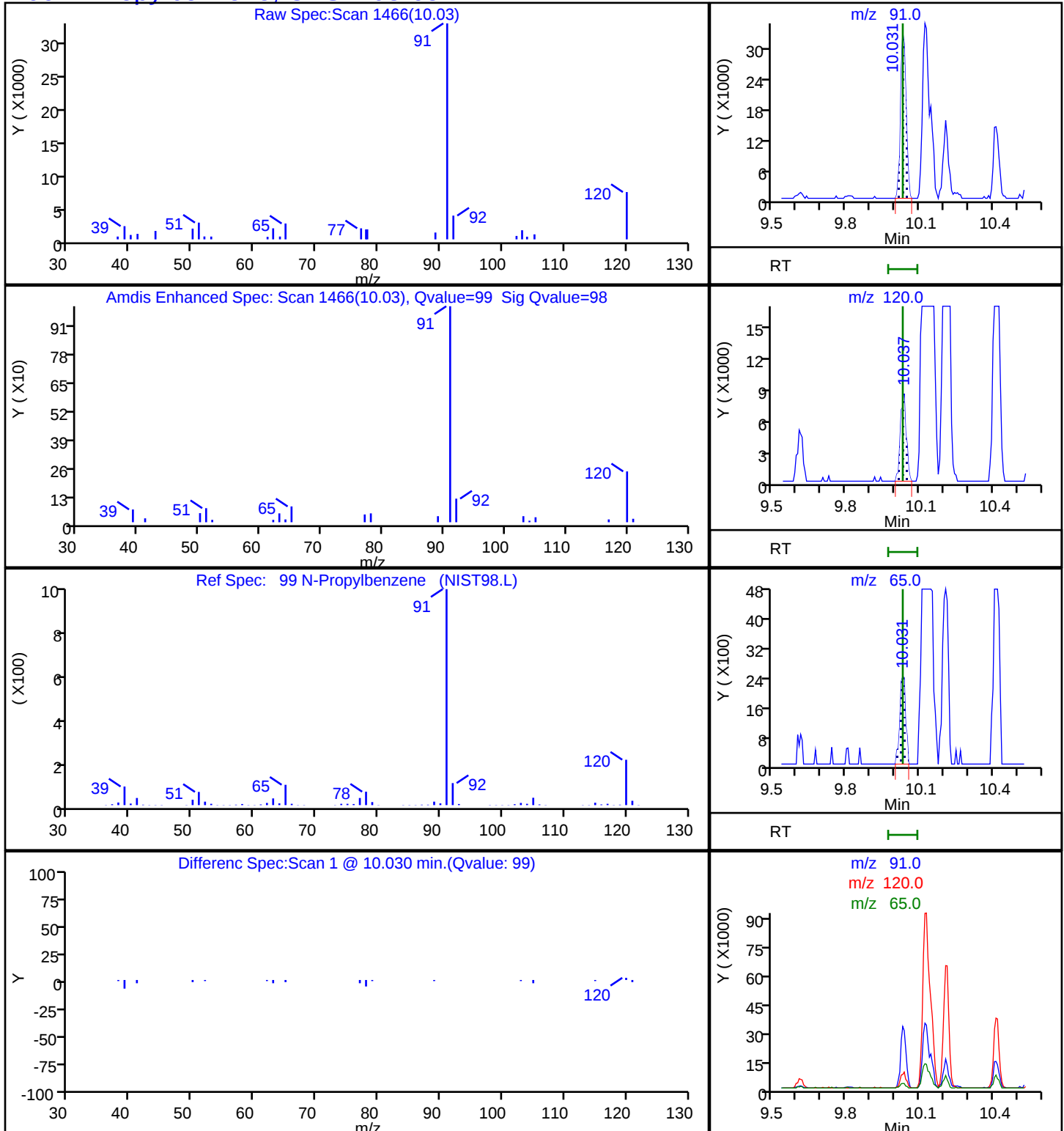
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43382.D

Injection Date: 15-May-2019 11:45:30

Instrument ID: HP5973P

Lims ID: 480-152979-B-6

Lab Sample ID: 480-152979-6

Client ID: VRI-9-050319

Operator ID: OI

ALS Bottle#: 8

Worklist Smp#: 8

Purge Vol: 5.000 mL

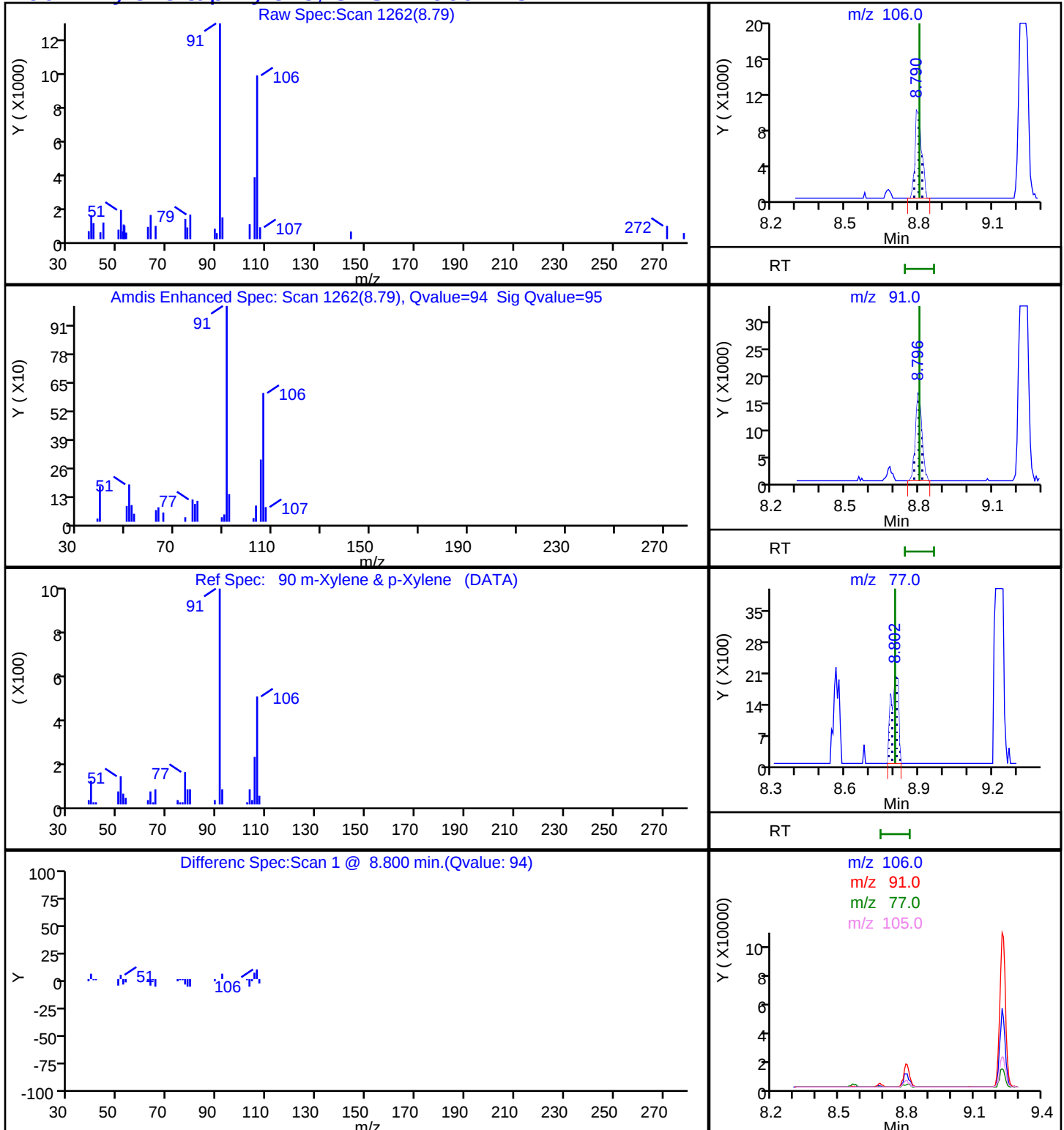
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43382.D

Injection Date: 15-May-2019 11:45:30

Instrument ID: HP5973P

Lims ID: 480-152979-B-6

Lab Sample ID: 480-152979-6

Client ID: VRI-9-050319

Operator ID: OI

ALS Bottle#: 8

Worklist Smp#: 8

Purge Vol: 5.000 mL

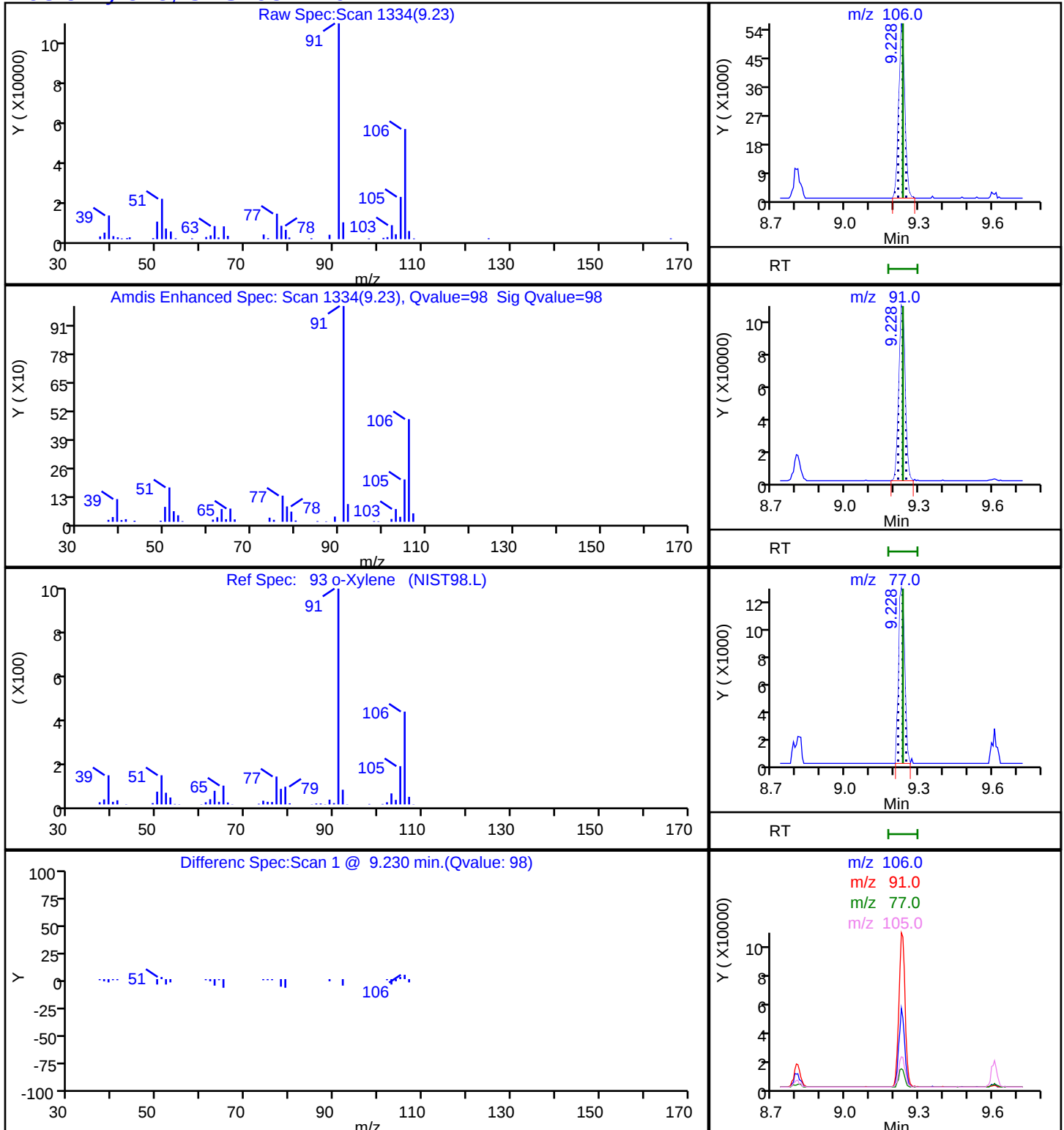
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

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

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43382.D

Injection Date: 15-May-2019 11:45:30

Instrument ID: HP5973P

Lims ID: 480-152979-B-6

Lab Sample ID: 480-152979-6

Client ID: VRI-9-050319

Operator ID: OI

ALS Bottle#: 8 Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

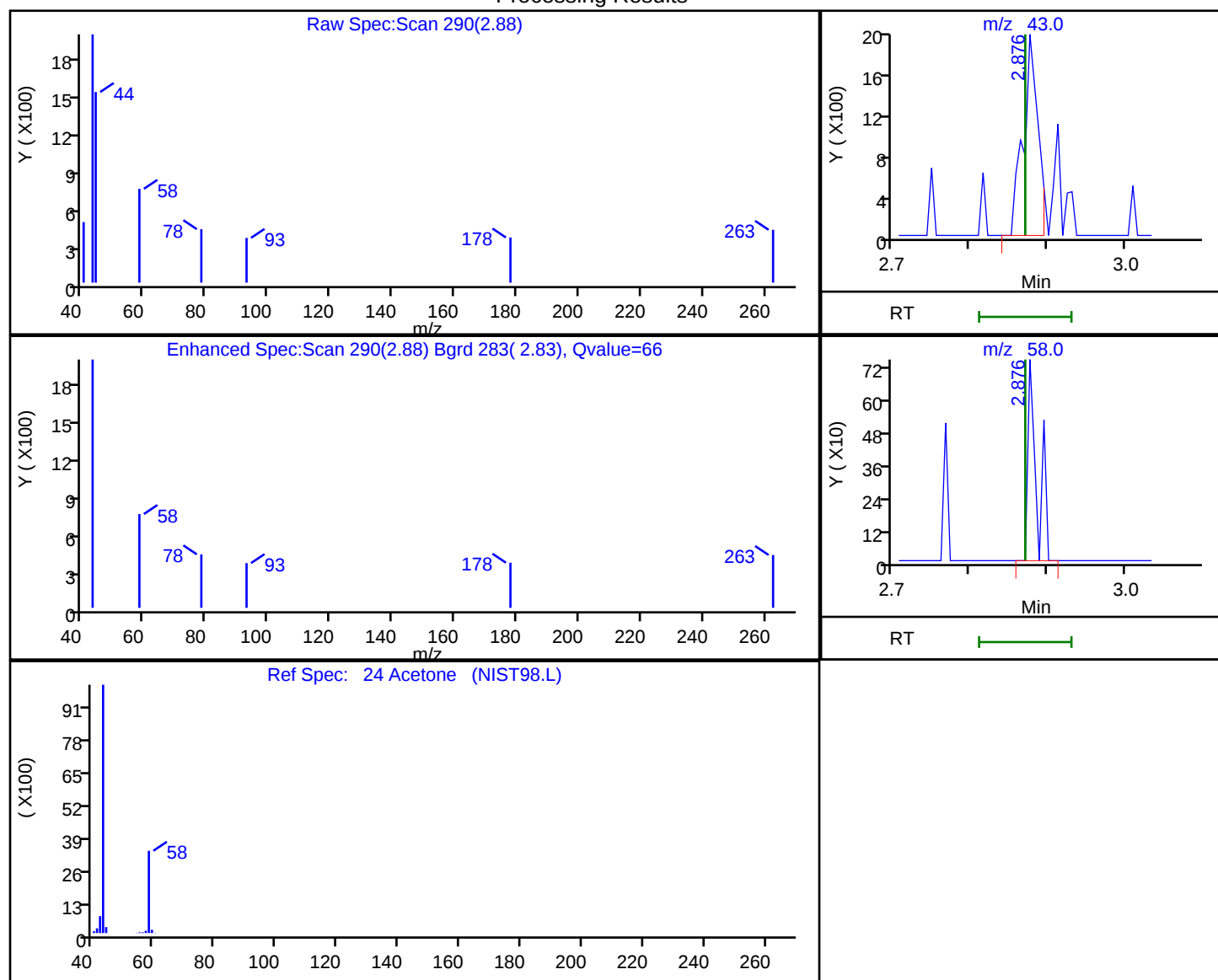
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

24 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.88	43.00	2620	0.906977
2.88	58.00	600	

Reviewer: izquierdoo, 15-May-2019 14:36:39

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43382.D

Injection Date: 15-May-2019 11:45:30

Instrument ID: HP5973P

Lims ID: 480-152979-B-6

Lab Sample ID: 480-152979-6

Client ID: VRI-9-050319

Operator ID: OI

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

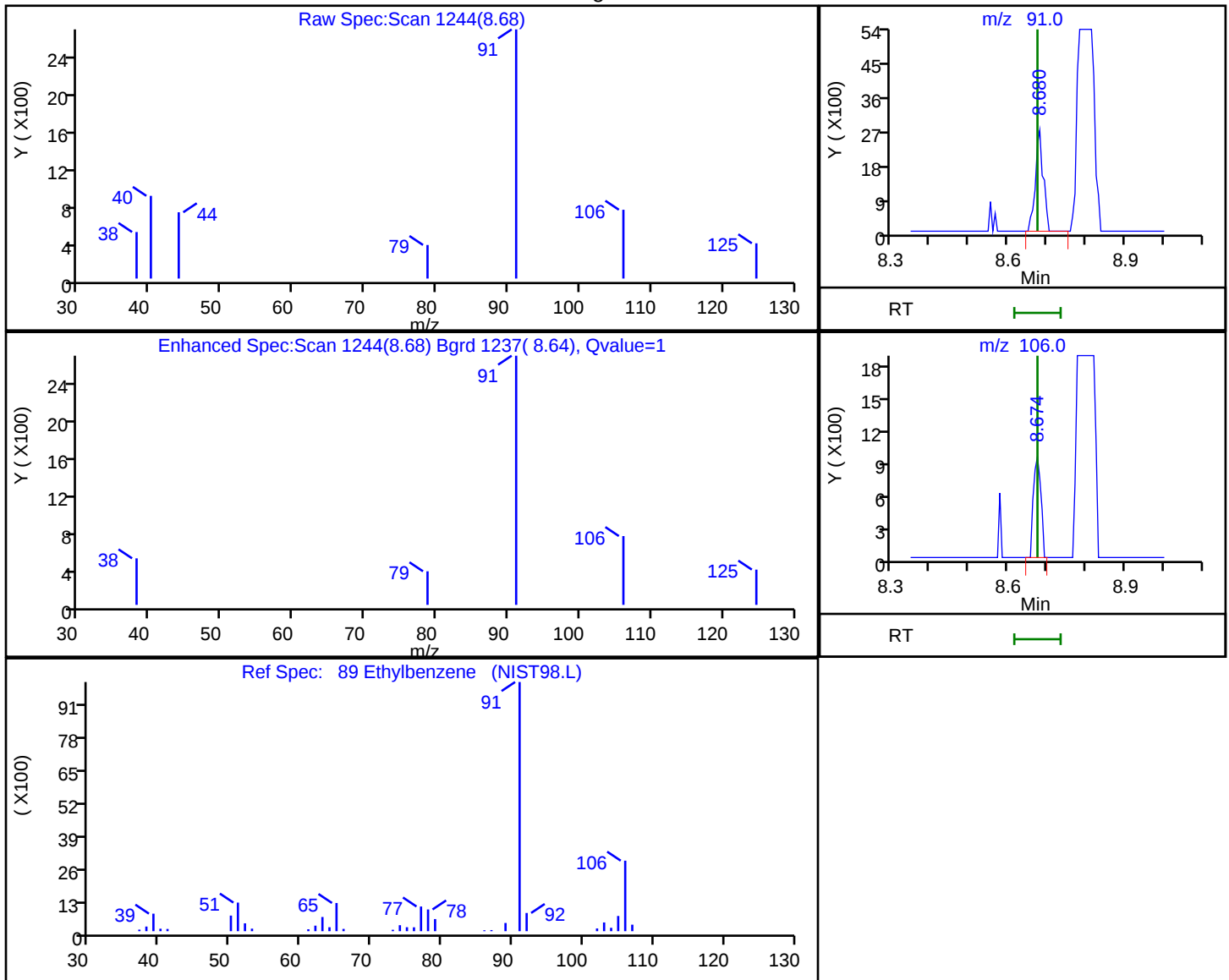
Column: ZB-624 (0.18 mm)

Detector

MS SCAN

89 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
8.68	91.00	3780	0.139575
8.67	106.00	1269	

Reviewer: izquierdoo, 15-May-2019 14:36:22

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43382.D

Injection Date: 15-May-2019 11:45:30

Instrument ID: HP5973P

Lims ID: 480-152979-B-6

Lab Sample ID: 480-152979-6

Client ID: VRI-9-050319

Operator ID: OI

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

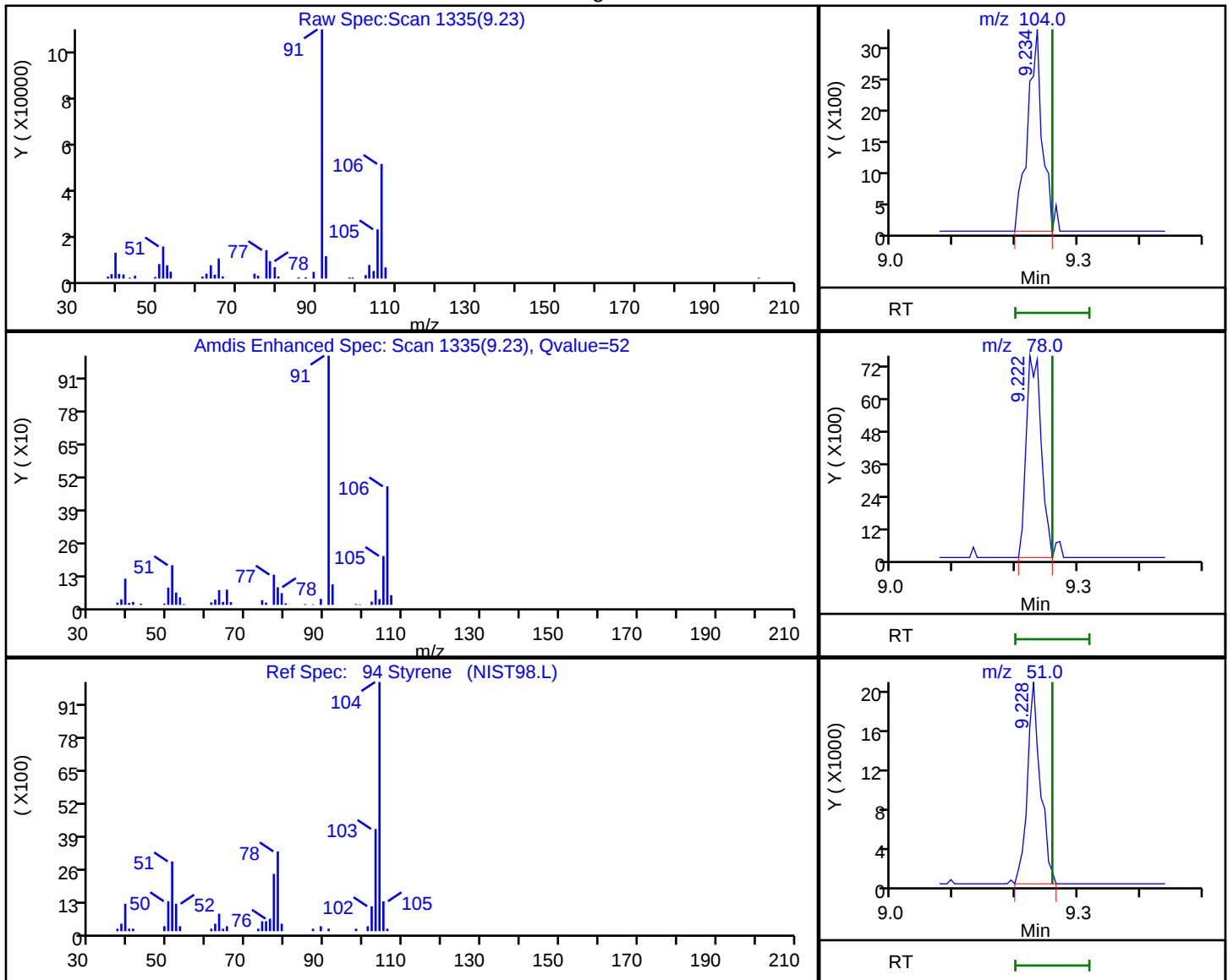
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

94 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
9.23	104.00	5180	0.280126
9.22	78.00	12697	
9.23	51.00	29786	

Reviewer: izquierdoo, 15-May-2019 14:36:12

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.: 480-152979-1

SDG No.: _____

Client Sample ID: Trip Blank Lab Sample ID: 480-152979-7

Matrix: Water Lab File ID: P43361.D

Analysis Method: 8260C Date Collected: 05/03/2019 00:00

Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 02:17

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.: 472817 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Client Sample ID: Trip Blank Lab Sample ID: 480-152979-7
 Matrix: Water Lab File ID: P43361.D
 Analysis Method: 8260C Date Collected: 05/03/2019 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 02:17
 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.: 472817 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	114		75-123
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\HP43361.D
 Lims ID: 480-152979-A-7
 Client ID: Trip Blank
 Sample Type: Client
 Inject. Date: 15-May-2019 02:17:30 ALS Bottle#: 41 Worklist Smp#: 36
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-152979-A-7
 Misc. Info.: 480-0081087-036
 Operator ID: OI Instrument ID: HP5973P
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\HP-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-May-2019 13:28:21 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\HP42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: izquierdoo

Date: 15-May-2019 13:28:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.547	5.547	0.000	98	82836	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.558	0.001	86	195425	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	93	249932	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.963	4.963	0.000	92	139446	28.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.280	5.279	0.001	96	74519	27.8	
\$ 5 Toluene-d8 (Surr)	98	7.068	7.068	0.000	93	445661	23.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	96	179521	25.3	
10 Dichlorodifluoromethane	85		1.313				ND	
11 Chloromethane	50		1.508				ND	
17 Vinyl chloride	62		1.611				ND	
12 Bromomethane	94		1.922				ND	
13 Chloroethane	64		2.007				ND	
14 Trichlorofluoromethane	101		2.250				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		2.743				ND	
25 1,1-Dichloroethene	96		2.761				ND	
24 Acetone	43		2.871				ND	
27 Carbon disulfide	76		2.986				ND	
30 Methyl acetate	43		3.169				ND	
31 Methylene Chloride	84		3.303				ND	
32 Methyl tert-butyl ether	73		3.479				ND	
35 trans-1,2-Dichloroethene	96		3.503				ND	
40 1,1-Dichloroethane	63		3.929				ND	
43 cis-1,2-Dichloroethene	96		4.489				ND	
44 2-Butanone (MEK)	43		4.525				ND	
49 Chloroform	83		4.805				ND	
52 1,1,1-Trichloroethane	97		4.915				ND	
54 Cyclohexane	56		4.921				ND	
55 Carbon tetrachloride	117		5.055				ND	
57 Benzene	78		5.280				ND	
60 1,2-Dichloroethane	62		5.347				ND	
62 Trichloroethene	95		5.894				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		6.004				ND	
63 1,2-Dichloropropane	63		6.137				ND	
70 Dichlorobromomethane	83		6.430				ND	
73 cis-1,3-Dichloropropene	75		6.843				ND	
75 4-Methyl-2-pentanone (MIBK)	43		6.989				ND	
76 Toluene	92		7.129				ND	
78 trans-1,3-Dichloropropene	75		7.415				ND	
79 1,1,2-Trichloroethane	83		7.610				ND	
80 Tetrachloroethene	166		7.664				ND	
83 2-Hexanone	43		7.835				ND	
81 Chlorodibromomethane	129		8.011				ND	
85 Ethylene Dibromide	107		8.115				ND	
87 Chlorobenzene	112		8.589				ND	
89 Ethylbenzene	91		8.674				ND	
90 m-Xylene & p-Xylene	106		8.802				ND	
93 o-Xylene	106		9.228				ND	
94 Styrene	104		9.258				ND	
92 Bromoform	173		9.514				ND	
95 Isopropylbenzene	105		9.611				ND	
97 1,1,2,2-Tetrachloroethane	83		10.019				ND	
99 N-Propylbenzene	91		10.031				ND	
102 1,3,5-Trimethylbenzene	105		10.207				ND	
107 1,2,4-Trimethylbenzene	105		10.579				ND	
110 1,3-Dichlorobenzene	146		10.871				ND	
111 1,4-Dichlorobenzene	146		10.962				ND	
116 1,2-Dichlorobenzene	146		11.309				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.045				ND	
119 1,2,4-Trichlorobenzene	180		12.714				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00373

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00342

Amount Added: 1.25

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43361.D

Injection Date: 15-May-2019 02:17:30

Instrument ID: HP5973P

Operator ID: OI

Lims ID: 480-152979-A-7

Lab Sample ID: 480-152979-7

Worklist Smp#: 36

Client ID: Trip Blank

Purge Vol: 5.000 mL

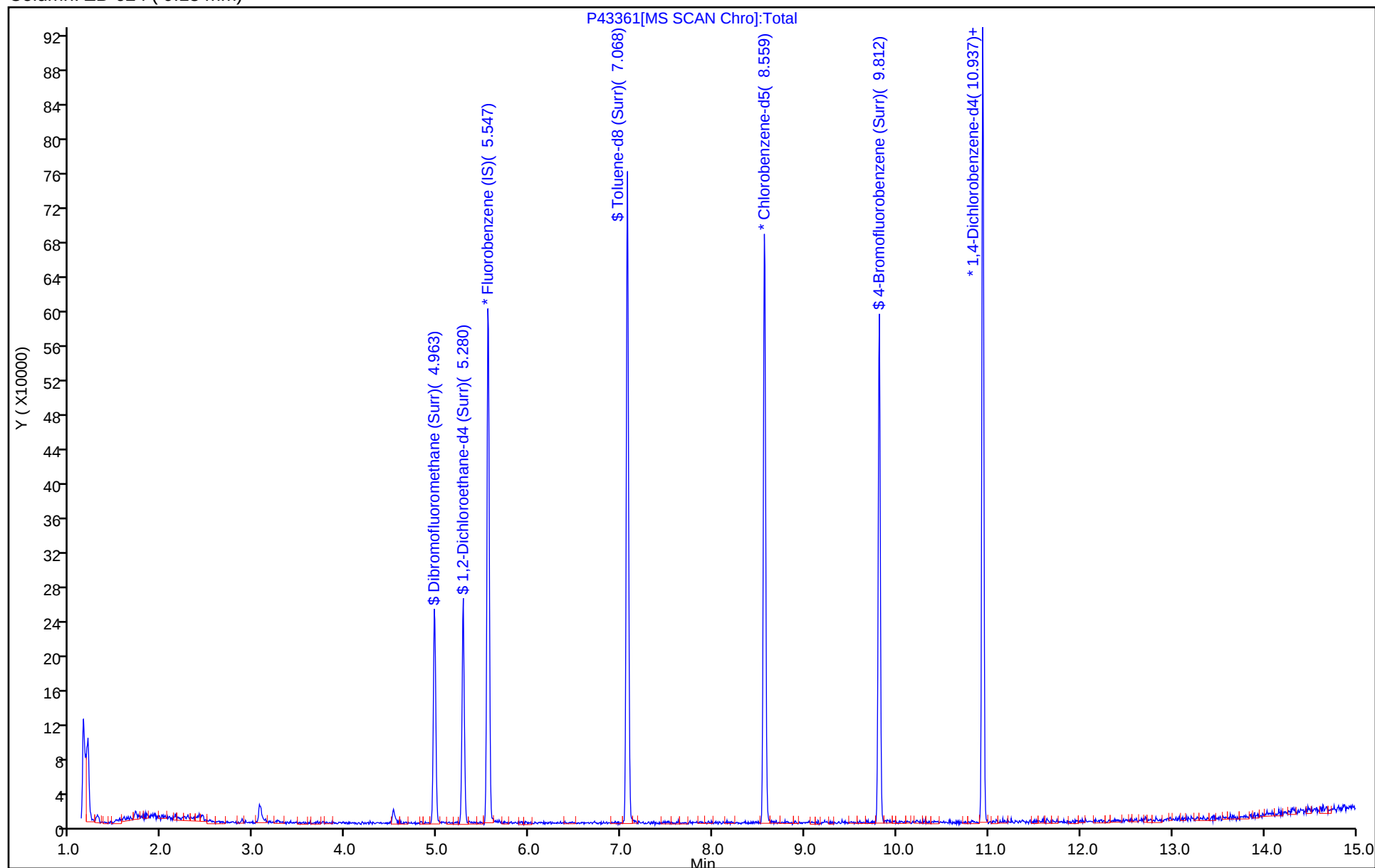
Dil. Factor: 1.0000

ALS Bottle#: 41

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1 Analy Batch No.: 470287

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2019 14:46 Calibration End Date: 04/29/2019 17:09 Calibration ID: 36830

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-470287/5	P42643.D
Level 2	IC 480-470287/6	P42644.D
Level 3	IC 480-470287/7	P42645.D
Level 4	IC 480-470287/8	P42646.D
Level 5	ICIS 480-470287/9	P42647.D
Level 6	IC 480-470287/10	P42648.D
Level 7	IC 480-470287/11	P42649.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.5310	1.7714 1.4365	1.6196	1.5007	1.4151	Ave		1.5457			0.1000	8.6		20.0			
Chloromethane	2.4055 2.5938	2.8614 2.5614	2.7429	2.6416	2.6098	Ave		2.6309			0.1000	5.4		20.0			
Vinyl chloride	+++++ 1.8491	1.9474 1.7778	1.9585	1.9487	1.8055	Ave		1.8811			0.1000	4.3		20.0			
Butadiene	2.5911 2.3260	2.7125 2.2528	2.5540	2.3829	2.2174	Ave		2.4338				7.7		20.0			
Bromomethane	+++++ 1.1101	1.2195 1.0871	1.0955	1.1253	1.1544	Ave		1.1320			0.1000	4.3		20.0			
Chloroethane	0.9937 1.0776	1.1210 1.0720	1.0802	1.1488	1.0836	Ave		1.0824			0.1000	4.4		20.0			
Dichlorofluoromethane	2.4258 2.4551	2.6773 2.3975	2.6023	2.5379	2.4843	Ave		2.5115				4.0		20.0			
Trichlorofluoromethane	2.4737 2.4157	2.8900 2.4633	2.5343	2.4749	2.2956	Ave		2.5068			0.1000	7.4		20.0			
Ethyl ether	1.7849 1.7244	2.0539 1.7117	1.9734	1.7552	1.7980	Ave		1.8288				7.2		20.0			
Acrolein	0.2824 0.3401	0.2901 0.3293	0.3682	0.3317	0.3348	Ave		0.3252				9.1		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.5401	1.2921 1.4871	1.6139	1.4354	1.4759	Ave		1.4741			0.1000	7.3		20.0			
1,1-Dichloroethene	+++++ 1.4640	1.4357 1.4160	1.4829	1.4164	1.4319	Ave		1.4412			0.1000	1.9		20.0			
Acetone	0.8181 0.7318	0.9200 0.7353	0.8283	0.7780	0.7575	Ave		0.7956			0.1000	8.4		20.0			
Iodomethane	2.5653 2.8037	2.7363 2.8607	3.0240	2.7295	2.8354	Ave		2.7936				5.0		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.: 480-152979-1 Analy Batch No.: 470287
SDG No.: _____
Instrument ID: HP5973P GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/29/2019 14:46 Calibration End Date: 04/29/2019 17:09 Calibration ID: 36830

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 4	LVL 5		B	M1	M2								
Carbon disulfide	3.6459 4.4863	3.6501 4.5086	4.5428	4.2337	4.3247	Ave		4.1988			0.1000	9.3		20.0			
Allyl chloride	++++ 3.7539	3.3990 3.7817	3.6121	3.5205	3.7015	Ave		3.6281				4.1		20.0			
Methyl acetate	1.8725 1.8664	2.0118 1.8793	1.9581	1.8700	1.8952	Ave		1.9076			0.1000	2.9		20.0			
Methylene Chloride	++++ 1.5732	2.3886 1.5458	1.9244	1.6701	1.6371	Lin1	1.0365	1.5532			0.1000				0.9990		0.9900
2-Methyl-2-propanol	0.2278 0.2162	0.2056 0.2267	0.2090	0.1943	0.2051	Ave		0.2121				5.8		20.0			
Methyl tert-butyl ether	4.7292 4.1955	5.0702 4.2786	4.4125	4.0735	4.1664	Ave		4.4180			0.1000	8.1		20.0			
trans-1,2-Dichloroethene	++++ 1.5773	1.6548 1.6232	1.8123	1.6139	1.6136	Ave		1.6492			0.1000	5.1		20.0			
Acrylonitrile	0.8970 0.8856	0.9549 0.9024	0.9240	0.8891	0.8969	Ave		0.9071				2.7		20.0			
Hexane	++++ 2.4230	2.1354 2.4416	2.4912	2.3216	2.2472	Ave		2.3433				5.8		20.0			
1,1-Dichloroethane	3.1261 3.0281	3.2699 3.0407	3.3247	3.0428	3.0085	Ave		3.1201			0.2000	4.1		20.0			
Vinyl acetate	++++ 4.3925	3.7535 4.7882	3.4377	3.5366	3.9915	Ave		3.9833				13.1		20.0			
2,2-Dichloropropane	++++ 1.1649	1.2061 1.1649	1.0684	1.1013	1.1881	Ave		1.1490				4.6		20.0			
cis-1,2-Dichloroethene	1.5953 1.7477	1.7271 1.7297	1.8021	1.7113	1.7558	Ave		1.7241			0.1000	3.7		20.0			
2-Butanone (MEK)	1.1478 1.1972	1.3334 1.2052	1.2101	1.2042	1.1978	Ave		1.2137			0.1000	4.7		20.0			
Chlorobromomethane	++++ 0.9485	1.3449 0.9579	1.0370	1.0069	0.9786	Ave		1.0456				14.4		20.0			
Tetrahydrofuran	++++ 0.7966	0.9687 0.8009	0.8409	0.8241	0.8140	Ave		0.8409				7.7		20.0			
Chloroform	++++ 2.7417	3.2005 2.7474	2.9336	2.7747	2.7923	Ave		2.8650			0.2000	6.2		20.0			
1,1,1-Trichloroethane	2.1792 2.2026	2.2488 2.3105	2.4815	2.0600	2.1830	Ave		2.2379			0.1000	5.9		20.0			
Cyclohexane	++++ 3.2545	2.6787 3.2563	3.5540	3.0820	3.0899	Ave		3.1526			0.1000	9.1		20.0			
Carbon tetrachloride	++++ 2.1453	1.9852 2.2077	2.2158	2.0141	2.0434	Ave		2.1019			0.1000	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.: 480-152979-1 Analy Batch No.: 470287
SDG No.: _____
Instrument ID: HP5973P GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/29/2019 14:46 Calibration End Date: 04/29/2019 17:09 Calibration ID: 36830

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 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	++++ 2.0127	2.0441 2.0669	2.2260	1.8527	2.0034	Ave		2.0343				5.9		20.0			
Benzene	++++ 6.0285	6.1125 6.2852	6.3529	5.9966	6.0961	Ave		6.1453			0.5000	2.3		20.0			
Isobutyl alcohol	++++ 0.1122	0.0947 0.1189	0.0959	0.0982	0.0986	Ave		0.1031				9.7		20.0			
1,2-Dichloroethane	2.5999 2.3332	2.6391 2.3133	2.4986	2.5103	2.4300	Ave		2.4749			0.1000	5.0		20.0			
n-Heptane	++++ 2.0860	1.9224 2.0228	2.3326	1.9825	2.0364	Ave		2.0638				6.9		20.0			
Trichloroethene	++++ 1.6648	1.7615 1.6792	1.7836	1.5933	1.6444	Ave		1.6878			0.2000	4.3		20.0			
Methylcyclohexane	++++ 2.0883	1.7674 2.1177	2.1480	1.9560	1.9761	Ave		2.0089			0.1000	7.0		20.0			
1,2-Dichloropropane	++++ 1.7377	1.8792 1.7555	1.8190	1.6768	1.7817	Ave		1.7750			0.1000	3.9		20.0			
Dibromomethane	++++ 1.0050	1.2973 0.9983	1.0877	0.9630	0.9832	Ave		1.0558			0.1000	11.9		20.0			
1,4-Dioxane	++++ 0.0069	0.0107 0.0069	0.0063	0.0076	0.0071	Lin1	0.0643	0.0068							0.9990		0.9900
Bromodichloromethane	1.8175 1.9885	2.0814 2.0552	2.0844	1.9263	2.0058	Ave		1.9942			0.2000	4.8		20.0			
2-Chloroethyl vinyl ether	0.9401 1.0154	0.9615 1.0344	1.0488	0.9440	1.0063	Ave		0.9929				4.4		20.0			
cis-1,3-Dichloropropene	++++ 2.3024	2.3219 2.3670	2.4118	2.1537	2.2643	Ave		2.3035			0.2000	3.9		20.0			
4-Methyl-2-pentanone (MIBK)	1.2229 1.1535	1.4344 1.1852	1.1679	1.1683	1.1751	Ave		1.2153			0.1000	8.2		20.0			
Toluene	1.8688 1.9402	1.9366 1.9831	1.9456	1.9707	1.9466	Ave		1.9416			0.4000	1.9		20.0			
trans-1,3-Dichloropropene	0.9558 1.0022	0.9318 1.0608	0.9548	0.9701	1.0171	Ave		0.9847			0.1000	4.5		20.0			
Ethyl methacrylate	++++ 0.8324	0.7840 0.8455	0.7170	0.7756	0.7950	Ave		0.7916				5.8		20.0			
1,1,2-Trichloroethane	0.4978 0.5333	0.6405 0.5327	0.5660	0.5329	0.5749	Ave		0.5540			0.1000	8.3		20.0			
Tetrachloroethene	++++ 0.8800	0.8604 0.9111	0.9111	0.8768	0.9174	Ave		0.8928			0.2000	2.6		20.0			
1,3-Dichloropropane	++++ 1.0479	1.2037 1.0451	1.0960	1.0344	1.0752	Ave		1.0837				5.8		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.: 480-152979-1 Analy Batch No.: 470287
SDG No.: _____
Instrument ID: HP5973P GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/29/2019 14:46 Calibration End Date: 04/29/2019 17:09 Calibration ID: 36830

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 4	LVL 5		B	M1	M2								
2-Hexanone	0.7956 0.8070	0.9121 0.8015	0.8376	0.8315	0.8227	Ave		0.8297			0.1000	4.8		20.0			
Dibromochloromethane	0.6900 0.7616	0.7692 0.8194	0.7210	0.7149	0.7743	Ave		0.7501			0.1000	5.9		20.0			
1,2-Dibromoethane	0.6989 0.6817	0.7581 0.7028	0.7649	0.7163	0.7055	Ave		0.7183				4.4		20.0			
Chlorobenzene	2.0083 2.2053	2.5061 2.2391	2.2966	2.1858	2.2659	Ave		2.2439			0.5000	6.6		20.0			
Ethylbenzene	++++ 3.4467	3.3534 3.6067	3.4691	3.3501	3.4041	Ave		3.4383			0.1000	2.8		20.0			
1,1,1,2-Tetrachloroethane	++++ 0.8335	0.8108 0.8758	0.7979	0.8016	0.8466	Ave		0.8277				3.6		20.0			
m,p-Xylene	1.1963 1.3836	1.1160 1.3928	1.3345	1.3615	1.3632	Ave		1.3068			0.1000	8.2		20.0			
o-Xylene	++++ 1.3721	1.3062 1.3730	1.3812	1.2783	1.3347	Ave		1.3409			0.3000	3.1		20.0			
Styrene	++++ 2.4125	2.0477 2.4251	2.3812	2.3956	2.4241	Ave		2.3477			0.3000	6.3		20.0			
Bromoform	++++ 0.5294	0.4423 0.5566	0.4706	0.4698	0.4884	Ave		0.4928			0.1000	8.6		20.0			
Isopropylbenzene	++++ 2.7886	2.7667 2.9101	2.7200	2.6662	2.7337	Ave		2.7642			0.1000	3.0		20.0			
Bromobenzene	0.9118 0.8724	0.9344 0.8522	0.8552	0.8408	0.8381	Ave		0.8721				4.3		20.0			
1,1,2,2-Tetrachloroethane	++++ 0.7097	0.7634 0.6892	0.7708	0.7003	0.7103	Ave		0.7239			0.3000	4.7		20.0			
N-Propylbenzene	++++ 3.2382	3.0634 3.3015	3.2323	3.0832	3.1778	Ave		3.1827				2.9		20.0			
1,2,3-Trichloropropane	0.2389 0.2239	0.2946 0.2157	0.2642	0.2408	0.2260	Ave		0.2434				11.3		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.3038	0.1834 0.3021	0.2366	0.2731	0.2984	Lin1	-0.162	0.3033							0.9990		0.9900
2-Chlorotoluene	++++ 0.7206	0.7772 0.7440	0.6901	0.7295	0.7231	Ave		0.7307				3.9		20.0			
1,3,5-Trimethylbenzene	2.4317 2.3827	2.1549 2.4554	2.2522	2.3016	2.3588	Ave		2.3339				4.5		20.0			
4-Chlorotoluene	0.7675 0.7663	0.6503 0.7678	0.7725	0.7831	0.7635	Ave		0.7530				6.1		20.0			
tert-Butylbenzene	0.4992 0.5365	0.4607 0.5387	0.5242	0.5171	0.5327	Ave		0.5156				5.4		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
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1 Analy Batch No.: 470287
SDG No.: _____
Instrument ID: HP5973P GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 04/29/2019 14:46 Calibration End Date: 04/29/2019 17:09 Calibration ID: 36830

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 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	++++ 2.4840	2.2012 2.5167	2.3566	2.3939	2.4601	Ave		2.4021				4.8		20.0			
sec-Butylbenzene	2.2037 2.7309	2.1944 2.8456	2.6265	2.6048	2.6890	Ave		2.5564				10.0		20.0			
4-Isopropyltoluene	++++ 2.4576	1.9290 2.5526	2.3263	2.3621	2.3817	Ave		2.3349				9.2		20.0			
1,3-Dichlorobenzene	++++ 1.5584	1.6057 1.5584	1.6191	1.5666	1.5578	Ave		1.5777			0.6000	1.7		20.0			
1,4-Dichlorobenzene	1.6398 1.6109	1.6593 1.6035	1.5795	1.6170	1.5936	Ave		1.6148			0.5000	1.7		20.0			
n-Butylbenzene	++++ 1.9638	1.7563 1.9865	1.8183	1.8610	1.9262	Ave		1.8853				4.7		20.0			
1,2-Dichlorobenzene	++++ 1.5423	1.5960 1.5542	1.5895	1.5637	1.5717	Ave		1.5696			0.4000	1.3		20.0			
1,2-Dibromo-3-Chloropropane	++++ 0.1211	0.0962 0.1276	0.1090	0.1136	0.1121	Ave		0.1133			0.0500	9.5		20.0			
1,2,4-Trichlorobenzene	++++ 0.9630	0.9146 1.0148	0.8977	0.9351	0.9644	Ave		0.9483			0.2000	4.4		20.0			
Hexachlorobutadiene	++++ 0.3373	0.3377 0.3453	0.3073	0.3519	0.3434	Ave		0.3371				4.6		20.0			
Naphthalene	++++ 2.5865	2.1781 2.7323	2.1732	2.3501	2.5181	Ave		2.4231				9.4		20.0			
1,2,3-Trichlorobenzene	0.8088 0.8929	0.9688 0.9090	0.7922	0.8879	0.8812	Ave		0.8773				6.9		20.0			
Dibromofluoromethane (Surr)	1.4400 1.4762	1.4864 1.4466	1.5585	1.4800	1.4696	Ave		1.4796				2.6		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7990 0.7645	0.8138 0.7832	0.8386	0.8340	0.8285	Ave		0.8088				3.4		20.0			
Toluene-d8 (Surr)	2.3463 2.3912	2.3668 2.4817	2.4266	2.3916	2.4718	Ave		2.4109				2.1		20.0			
4-Bromofluorobenzene (Surr)	0.9114 0.9057	0.9060 0.9051	0.9106	0.8910	0.9176	Ave		0.9068				0.9		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1 Analy Batch No.: 470287

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2019 14:46 Calibration End Date: 04/29/2019 17:09 Calibration ID: 36830

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-470287/5	P42643.D
Level 2	IC 480-470287/6	P42644.D
Level 3	IC 480-470287/7	P42645.D
Level 4	IC 480-470287/8	P42646.D
Level 5	ICIS 480-470287/9	P42647.D
Level 6	IC 480-470287/10	P42648.D
Level 7	IC 480-470287/11	P42649.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 448861	10238 861139	45461	87646	207153	+++++ 50.0	1.00 100	5.00	10.0	25.0
Chloromethane	FB	Ave	7090 760479	16538 1535471	76993	154283	382030	0.500 50.0	1.00 100	5.00	10.0	25.0
Vinyl chloride	FB	Ave	+++++ 542127	11255 1065755	54975	113811	264291	+++++ 50.0	1.00 100	5.00	10.0	25.0
Butadiene	FB	Ave	7637 681945	15677 1350527	71691	139172	324596	0.500 50.0	1.00 100	5.00	10.0	25.0
Bromomethane	FB	Ave	+++++ 325455	7048 651669	30750	65722	168984	+++++ 50.0	1.00 100	5.00	10.0	25.0
Chloroethane	FB	Ave	2929 315942	6479 642649	30321	67094	158621	0.500 50.0	1.00 100	5.00	10.0	25.0
Dichlorofluoromethane	FB	Ave	7150 719803	15474 1437271	73047	148224	363671	0.500 50.0	1.00 100	5.00	10.0	25.0
Trichlorofluoromethane	FB	Ave	7291 708262	16703 1476662	71139	144546	336037	0.500 50.0	1.00 100	5.00	10.0	25.0
Ethyl ether	FB	Ave	5261 505573	11871 1026099	55394	102514	263200	0.500 50.0	1.00 100	5.00	10.0	25.0
Acrolein	FB	Ave	4162 498507	8384 987011	51672	96853	245060	2.50 250	5.00 500	25.0	50.0	125
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 451551	7468 891486	45302	83832	216056	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethene	FB	Ave	+++++ 429239	8298 848875	41626	82722	209607	+++++ 50.0	1.00 100	5.00	10.0	25.0
Acetone	FB	Ave	12057 1072713	26586 2203891	116247	227186	554424	2.50 250	5.00 500	25.0	50.0	125
Iodomethane	FB	Ave	7561 822005	15815 1714947	84885	159413	415065	0.500 50.0	1.00 100	5.00	10.0	25.0
Carbon disulfide	FB	Ave	10746 1315321	21096 2702794	127516	247267	633068	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1 Analy Batch No.: 470287

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2019 14:46 Calibration End Date: 04/29/2019 17:09 Calibration ID: 36830

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Allyl chloride	FB	Ave	++++ 1100600	19645 2267065	101392	205615	541837	++++ 50.0	1.00 100	5.00	10.0	25.0
Methyl acetate	FB	Ave	11038 1094418	23255 2253217	109926	218435	554851	1.00 100	2.00 200	10.0	20.0	50.0
Methylene Chloride	FB	Lin1	++++ 461235	13805 926646	54017	97539	239640	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Methyl-2-propanol	FB	Ave	6715 633732	11884 1359166	58659	113479	300246	5.00 500	10.0 1000	50.0	100	250
Methyl tert-butyl ether	FB	Ave	13939 1230068	29304 2564919	123859	237910	609896	0.500 50.0	1.00 100	5.00	10.0	25.0
trans-1,2-Dichloroethene	FB	Ave	++++ 462431	9564 973063	50870	94257	236214	++++ 50.0	1.00 100	5.00	10.0	25.0
Acrylonitrile	FB	Ave	26440 2596402	55191 5409464	259358	519274	1312883	5.00 500	10.0 1000	50.0	100	250
Hexane	FB	Ave	++++ 710408	12342 1463659	69927	135591	328962	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethane	FB	Ave	9214 887796	18899 1822805	93323	177712	440395	0.500 50.0	1.00 100	5.00	10.0	25.0
Vinyl acetate	FB	Ave	++++ 2575630	43388 5740821	192991	413107	1168594	++++ 100	2.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	++++ 341543	6971 698333	29990	64321	173913	++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,2-Dichloroethene	FB	Ave	4702 512397	9982 1036932	50586	99946	257023	0.500 50.0	1.00 100	5.00	10.0	25.0
2-Butanone (MEK)	FB	Ave	16916 1754971	38533 3612404	169832	351653	876728	2.50 250	5.00 500	25.0	50.0	125
Chlorobromomethane	FB	Ave	++++ 278087	7773 574238	29109	58806	143246	++++ 50.0	1.00 100	5.00	10.0	25.0
Tetrahydrofuran	FB	Ave	++++ 467113	11198 960236	47208	96266	238311	++++ 100	2.00 200	10.0	20.0	50.0
Chloroform	FB	Ave	++++ 803824	18498 1647000	82347	162055	408752	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,1-Trichloroethane	FB	Ave	6423 645783	12997 1385093	69656	120313	319562	0.500 50.0	1.00 100	5.00	10.0	25.0
Cyclohexane	FB	Ave	++++ 954195	15482 1952071	99761	180002	452308	++++ 50.0	1.00 100	5.00	10.0	25.0
Carbon tetrachloride	FB	Ave	++++ 628980	11474 1323465	62197	117635	299126	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloropropene	FB	Ave	++++ 590110	11814 1239079	62485	108207	293272	++++ 50.0	1.00 100	5.00	10.0	25.0
Benzene	FB	Ave	++++ 1767488	35328 3767813	178327	350231	892383	++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1 Analy Batch No.: 470287

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2019 14:46 Calibration End Date: 04/29/2019 17:09 Calibration ID: 36830

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	++++ 822675	13686 1782261	67268	143393	360704	++++ 1250	25.0 2500	125	250	625
1,2-Dichloroethane	FB	Ave	7663 684058	15253 1386747	70135	146613	355710	0.500 50.0	1.00 100	5.00	10.0	25.0
n-Heptane	FB	Ave	++++ 611585	11111 1212600	65476	115785	298098	++++ 50.0	1.00 100	5.00	10.0	25.0
Trichloroethene	FB	Ave	++++ 488110	10181 1006670	50066	93057	240711	++++ 50.0	1.00 100	5.00	10.0	25.0
Methylcyclohexane	FB	Ave	++++ 612265	10215 1269484	60295	114241	289270	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloropropane	FB	Ave	++++ 509466	10861 1052390	51059	97932	260817	++++ 50.0	1.00 100	5.00	10.0	25.0
Dibromomethane	FB	Ave	++++ 294666	7498 598448	30532	56245	143933	++++ 50.0	1.00 100	5.00	10.0	25.0
1,4-Dioxane	CBNZ d5	Lin1	++++ 83278	2497 167465	7431	17922	41359	++++ 1000	20.0 2000	100	200	500
Bromodichloromethane	FB	Ave	5357 583003	12030 1232064	58510	112506	293616	0.500 50.0	1.00 100	5.00	10.0	25.0
2-Chloroethyl vinyl ether	FB	Ave	2771 297701	5557 620087	29441	55133	147306	0.500 50.0	1.00 100	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	++++ 675043	13420 1418939	67698	125787	331458	++++ 50.0	1.00 100	5.00	10.0	25.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	36331 3472492	83931 7234270	342047	685502	1719969	2.50 250	5.00 500	25.0	50.0	125
Toluene	CBNZ d5	Ave	11104 1168189	22663 2420819	113966	231270	569849	0.500 50.0	1.00 100	5.00	10.0	25.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	5679 603411	10905 1295015	55931	113850	297746	0.500 50.0	1.00 100	5.00	10.0	25.0
Ethyl methacrylate	CBNZ d5	Ave	++++ 501176	9175 1032118	41996	91022	232731	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichloroethane	CBNZ d5	Ave	2958 321118	7496 650306	33153	62540	168308	0.500 50.0	1.00 100	5.00	10.0	25.0
Tetrachloroethene	CBNZ d5	Ave	++++ 529860	10069 1112192	53366	102897	268546	++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichloropropane	CBNZ d5	Ave	++++ 630956	14087 1275813	64201	121393	314757	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Hexanone	CBNZ d5	Ave	23637 2429467	53370 4891955	245321	487909	1204142	2.50 250	5.00 500	25.0	50.0	125
Dibromochloromethane	CBNZ d5	Ave	4100 458535	9002 1000327	42236	83895	226663	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromoethane	CBNZ d5	Ave	4153 410425	8872 858003	44802	84056	206517	0.500 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1 Analy Batch No.: 470287

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2019 14:46 Calibration End Date: 04/29/2019 17:09 Calibration ID: 36830

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	11933 1327847	29328 2733334	134528	256519	663326	0.500 50.0	1.00 100	5.00	10.0	25.0
Ethylbenzene	CBNZ d5	Ave	++++ 2075262	39244 4402846	203205	393149	996509	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	++++ 501877	9489 1069142	46740	94069	247828	++++ 50.0	1.00 100	5.00	10.0	25.0
m,p-Xylene	CBNZ d5	Ave	7108 833095	13060 1700233	78170	159777	399055	0.500 50.0	1.00 100	5.00	10.0	25.0
o-Xylene	CBNZ d5	Ave	++++ 826159	15286 1676098	80903	150015	390728	++++ 50.0	1.00 100	5.00	10.0	25.0
Styrene	CBNZ d5	Ave	++++ 1452550	23963 2960428	139480	281136	709635	++++ 50.0	1.00 100	5.00	10.0	25.0
Bromoform	CBNZ d5	Ave	++++ 318750	5176 679495	27565	55128	142973	++++ 50.0	1.00 100	5.00	10.0	25.0
Isopropylbenzene	DCBd 4	Ave	++++ 2100233	40661 4447419	200920	393233	1020437	++++ 50.0	1.00 100	5.00	10.0	25.0
Bromobenzene	DCBd 4	Ave	6645 657078	13733 1302382	63171	124008	312839	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	++++ 534487	11220 1053213	56935	103293	265141	++++ 50.0	1.00 100	5.00	10.0	25.0
N-Propylbenzene	DCBd 4	Ave	++++ 2438817	45022 5045632	238765	454742	1186182	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichloropropane	DCBd 4	Ave	1741 168662	4330 329627	19518	35510	84358	0.500 50.0	1.00 100	5.00	10.0	25.0
trans-1,4-Dichloro-2-butene	DCBd 4	Lin1	++++ 228821	2695 461686	17479	40286	111386	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chlorotoluene	DCBd 4	Ave	++++ 542731	11422 1136974	50977	107590	269916	++++ 50.0	1.00 100	5.00	10.0	25.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	17721 1794564	31669 3752550	166363	339462	880490	0.500 50.0	1.00 100	5.00	10.0	25.0
4-Chlorotoluene	DCBd 4	Ave	5593 577123	9557 1173398	57061	115505	284980	0.500 50.0	1.00 100	5.00	10.0	25.0
tert-Butylbenzene	DCBd 4	Ave	3638 404061	6771 823337	38719	76265	198861	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	++++ 1870827	32350 3846221	174078	353082	918291	++++ 50.0	1.00 100	5.00	10.0	25.0
sec-Butylbenzene	DCBd 4	Ave	16060 2056742	32250 4348867	194013	384182	1003731	0.500 50.0	1.00 100	5.00	10.0	25.0
4-Isopropyltoluene	DCBd 4	Ave	++++ 1850948	28350 3901058	171837	348387	889036	++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichlorobenzene	DCBd 4	Ave	++++ 1173744	23598 2381697	119598	231052	581492	++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1 Analy Batch No.: 470287

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2019 14:46 Calibration End Date: 04/29/2019 17:09 Calibration ID: 36830

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	11950 1213214	24386 2450546	116672	238490	594834	0.500 50.0	1.00 100	5.00	10.0	25.0
n-Butylbenzene	DCBd 4	Ave	++++ 1479043	25812 3035946	134310	274471	719005	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichlorobenzene	DCBd 4	Ave	++++ 1161567	23455 2375277	117416	230630	586685	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	++++ 91211	1414 195010	8048	16753	41851	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	++++ 725310	13442 1550867	66313	137916	359977	++++ 50.0	1.00 100	5.00	10.0	25.0
Hexachlorobutadiene	DCBd 4	Ave	++++ 254010	4963 527723	22699	51902	128179	++++ 50.0	1.00 100	5.00	10.0	25.0
Naphthalene	DCBd 4	Ave	++++ 1948025	32011 4175697	160532	346618	939959	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	5894 672520	14238 1389196	58516	130958	328939	0.500 50.0	1.00 100	5.00	10.0	25.0
Dibromofluoromethane (Surr)	FB	Ave	212218 216404	214777 216796	218739	216105	215129	25.0 25.0	25.0 25.0	25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	117757 112065	117591 117383	117692	121774	121284	25.0 25.0	25.0 25.0	25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	697082 719873	692431 757377	710712	701664	723593	25.0 25.0	25.0 25.0	25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	270764 272664	265078 276216	266691	261395	268611	25.0 25.0	25.0 25.0	25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 29-Apr-2019 14:46:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0080635-005
 Operator ID: RF Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Apr-2019 12:01:35 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1003

First Level Reviewer: HillL

Date: 30-Apr-2019 10:52:36

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	5.547	5.547	0.000	99	147372	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.559	0.000	86	297093	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	95	364382	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.963	4.963	0.000	92	212218	25.0	24.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.280	5.273	0.007	96	117757	25.0	24.7	
\$ 5 Toluene-d8 (Surr)	98	7.062	7.068	-0.006	94	697082	25.0	24.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	96	270764	25.0	25.1	
10 Dichlorodifluoromethane	85	1.325	1.319	0.006	55	3195	0.5000	0.3506	
11 Chloromethane	50	1.508	1.502	0.006	49	7090	0.5000	0.4572	
144 Butadiene	54	1.605	1.605	0.000	95	7637	0.5000	0.5323	
17 Vinyl chloride	62	1.599	1.605	-0.006	64	5566	0.5000	0.5019	
12 Bromomethane	94	1.897	1.915	-0.018	15	2948	0.5000	0.4418	M
13 Chloroethane	64	1.994	2.000	-0.006	30	2929	0.5000	0.4590	M
19 Dichlorofluoromethane	67	2.232	2.238	-0.006	56	7150	0.5000	0.4829	
14 Trichlorofluoromethane	101	2.256	2.244	0.012	45	7291	0.5000	0.4934	
20 Ethyl ether	59	2.518	2.518	0.000	66	5261	0.5000	0.4880	
22 Acrolein	56	2.706	2.706	0.000	48	4162	2.50	2.17	
16 1,1,2-Trichloro-1,2,2-trif	101	2.743	2.743	0.000	0	2888	0.5000	0.3324	M
25 1,1-Dichloroethene	96	2.779	2.761	0.018	0	2801	0.5000	0.3297	M
24 Acetone	43	2.864	2.870	-0.006	94	12057	2.50	2.57	
18 Iodomethane	142	2.950	2.931	0.019	0	7561	0.5000	0.4591	M
27 Carbon disulfide	76	2.968	2.974	-0.006	72	10746	0.5000	0.4342	M
28 3-Chloro-1-propene	41	3.114	3.120	-0.006	84	9235	0.5000	0.4318	
30 Methyl acetate	43	3.175	3.169	0.006	98	11038	1.00	0.9816	
31 Methylene Chloride	84	3.302	3.296	0.006	93	10530	0.5000	0.4827	
33 2-Methyl-2-propanol	59	3.442	3.448	-0.006	60	6715	5.00	5.37	
32 Methyl tert-butyl ether	73	3.479	3.485	-0.006	97	13939	0.5000	0.5352	M
35 trans-1,2-Dichloroethene	96	3.503	3.497	0.006	82	4196	0.5000	0.4316	
34 Acrylonitrile	53	3.564	3.564	0.000	99	26440	5.00	4.94	
36 Hexane	57	3.686	3.698	-0.012	95	6550	0.5000	0.4742	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	3.923	3.929	-0.006	92	9214	0.5000	0.5010	
38 Vinyl acetate	43	3.984	3.984	0.000	0	17369	1.00	0.7397	M
45 2,2-Dichloropropane	77	4.452	4.452	0.000	17	3815	0.5000	0.5633	
43 cis-1,2-Dichloroethene	96	4.495	4.489	0.006	42	4702	0.5000	0.4626	M
44 2-Butanone (MEK)	43	4.531	4.525	0.006	94	16916	2.50	2.36	
50 Chlorobromomethane	128	4.726	4.732	-0.006	58	2237	0.5000	0.3629	
51 Tetrahydrofuran	42	4.756	4.744	0.012	0	6069	1.00	1.22	M
49 Chloroform	83	4.805	4.805	0.000	91	10316	0.5000	0.6108	
52 1,1,1-Trichloroethane	97	4.921	4.921	0.000	70	6423	0.5000	0.4869	
54 Cyclohexane	56	4.921	4.921	0.000	63	7527	0.5000	0.4050	
55 Carbon tetrachloride	117	5.061	5.054	0.007	0	4428	0.5000	0.3574	M
56 1,1-Dichloropropene	75	5.073	5.067	0.006	79	5192	0.5000	0.4330	
57 Benzene	78	5.273	5.280	-0.007	41	15546	0.5000	0.4291	
53 Isobutyl alcohol	43	5.304	5.298	0.006	29	6321	12.5	10.4	
60 1,2-Dichloroethane	62	5.340	5.353	-0.013	0	7663	0.5000	0.5253	M
59 n-Heptane	43	5.444	5.450	-0.006	54	5077	0.5000	0.4173	
62 Trichloroethene	95	5.894	5.888	0.006	86	3865	0.5000	0.3885	
64 Methylcyclohexane	83	6.004	6.003	0.001	86	3718	0.5000	0.3140	
63 1,2-Dichloropropane	63	6.137	6.131	0.006	76	4496	0.5000	0.4297	
69 Dibromomethane	93	6.277	6.277	0.000	64	2341	0.5000	0.3761	
68 1,4-Dioxane	88		6.283				ND	ND	
70 Dichlorobromomethane	83	6.429	6.429	0.000	90	5357	0.5000	0.4557	
71 2-Chloroethyl vinyl ether	63	6.721	6.703	0.018	0	2771	0.5000	0.4734	M
73 cis-1,3-Dichloropropene	75	6.843	6.849	-0.006	82	4686	0.5000	0.3451	
75 4-Methyl-2-pentanone (MIBK)	43	6.995	6.989	0.006	95	36331	2.50	2.52	
76 Toluene	92	7.129	7.135	-0.006	98	11104	0.5000	0.4812	
78 trans-1,3-Dichloropropene	75	7.415	7.415	0.000	54	5679	0.5000	0.4853	M
77 Ethyl methacrylate	69	7.451	7.457	-0.006	14	4754	0.5000	0.5054	
79 1,1,2-Trichloroethane	83	7.622	7.610	0.012	0	2958	0.5000	0.4493	M
80 Tetrachloroethene	166	7.670	7.664	0.006	82	4004	0.5000	0.3774	
82 1,3-Dichloropropane	76	7.768	7.774	-0.006	85	5164	0.5000	0.4010	
83 2-Hexanone	43	7.829	7.835	-0.006	0	23637	2.50	2.40	M
81 Chlorodibromomethane	129	8.005	8.011	-0.006	1	4100	0.5000	0.4600	M
85 Ethylene Dibromide	107	8.115	8.114	0.000	90	4153	0.5000	0.4865	
87 Chlorobenzene	112	8.583	8.589	-0.006	91	11933	0.5000	0.4475	M
89 Ethylbenzene	91	8.680	8.680	0.000	92	17079	0.5000	0.4180	
88 1,1,1,2-Tetrachloroethane	131	8.686	8.692	-0.006	51	3073	0.5000	0.3124	
90 m-Xylene & p-Xylene	106	8.802	8.802	0.000	93	7108	0.5000	0.4577	
93 o-Xylene	106	9.228	9.228	0.000	95	6783	0.5000	0.4257	
94 Styrene	104	9.258	9.258	0.000	91	11367	0.5000	0.4074	
92 Bromoform	173	9.514	9.514	0.000	6	2233	0.5000	0.3813	
95 Isopropylbenzene	105	9.611	9.611	0.000	94	17688	0.5000	0.4390	
100 Bromobenzene	156	9.958	9.958	0.000	73	6645	0.5000	0.5227	M
97 1,1,2,2-Tetrachloroethane	83	10.019	10.013	0.006	11	4585	0.5000	0.4345	
99 N-Propylbenzene	91	10.031	10.031	0.000	99	20113	0.5000	0.4336	
101 1,2,3-Trichloropropane	110	10.043	10.049	-0.006	81	1741	0.5000	0.4907	
98 trans-1,4-Dichloro-2-buten	53	10.061	10.061	0.000	60	1149	0.5000	0.7951	
103 2-Chlorotoluene	126	10.140	10.140	0.000	94	4019	0.5000	0.3773	
102 1,3,5-Trimethylbenzene	105	10.207	10.207	0.000	88	17721	0.5000	0.5209	
105 4-Chlorotoluene	126	10.256	10.250	0.006	94	5593	0.5000	0.5096	
106 tert-Butylbenzene	134	10.518	10.524	-0.006	93	3638	0.5000	0.4841	M
107 1,2,4-Trimethylbenzene	105	10.572	10.578	-0.006	95	14951	0.5000	0.4270	

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	10.730	10.730	0.000	0	16060	0.5000	0.4310	M
112 4-Isopropyltoluene	119	10.876	10.870	0.006	93	12901	0.5000	0.3791	
110 1,3-Dichlorobenzene	146	10.876	10.870	0.006	90	10173	0.5000	0.4424	
111 1,4-Dichlorobenzene	146	10.962	10.962	0.000	88	11950	0.5000	0.5077	
115 n-Butylbenzene	91	11.260	11.254	0.006	92	11966	0.5000	0.4355	
116 1,2-Dichlorobenzene	146	11.314	11.308	0.006	94	9759	0.5000	0.4266	
117 1,2-Dibromo-3-Chloropropan	75	12.038	12.044	-0.006	1	1537	0.5000	0.9310	
119 1,2,4-Trichlorobenzene	180	12.708	12.714	-0.006	89	5541	0.5000	0.4009	
120 Hexachlorobutadiene	225	12.823	12.817	0.006	78	2173	0.5000	0.4422	
121 Naphthalene	128	12.927	12.927	0.000	96	14346	0.5000	0.4062	
122 1,2,3-Trichlorobenzene	180	13.127	13.127	0.000	90	5894	0.5000	0.4610	
S 126 Xylenes, Total	1				0			0.8834	
S 123 1,2-Dichloroethene, Total	1				0			0.8942	
S 125 Total BTEX	1				0			2.21	
S 124 1,3-Dichloropropene, Total	1				0			0.8304	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00154

Amount Added: 0.50

Units: uL

GAS CORP mix_00338

Amount Added: 0.50

Units: uL

P 8260 IS_00370

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00338

Amount Added: 1.25

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D

Injection Date: 29-Apr-2019 14:46:30

Instrument ID: HP5973P

Operator ID: RF

Lims ID: IC

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

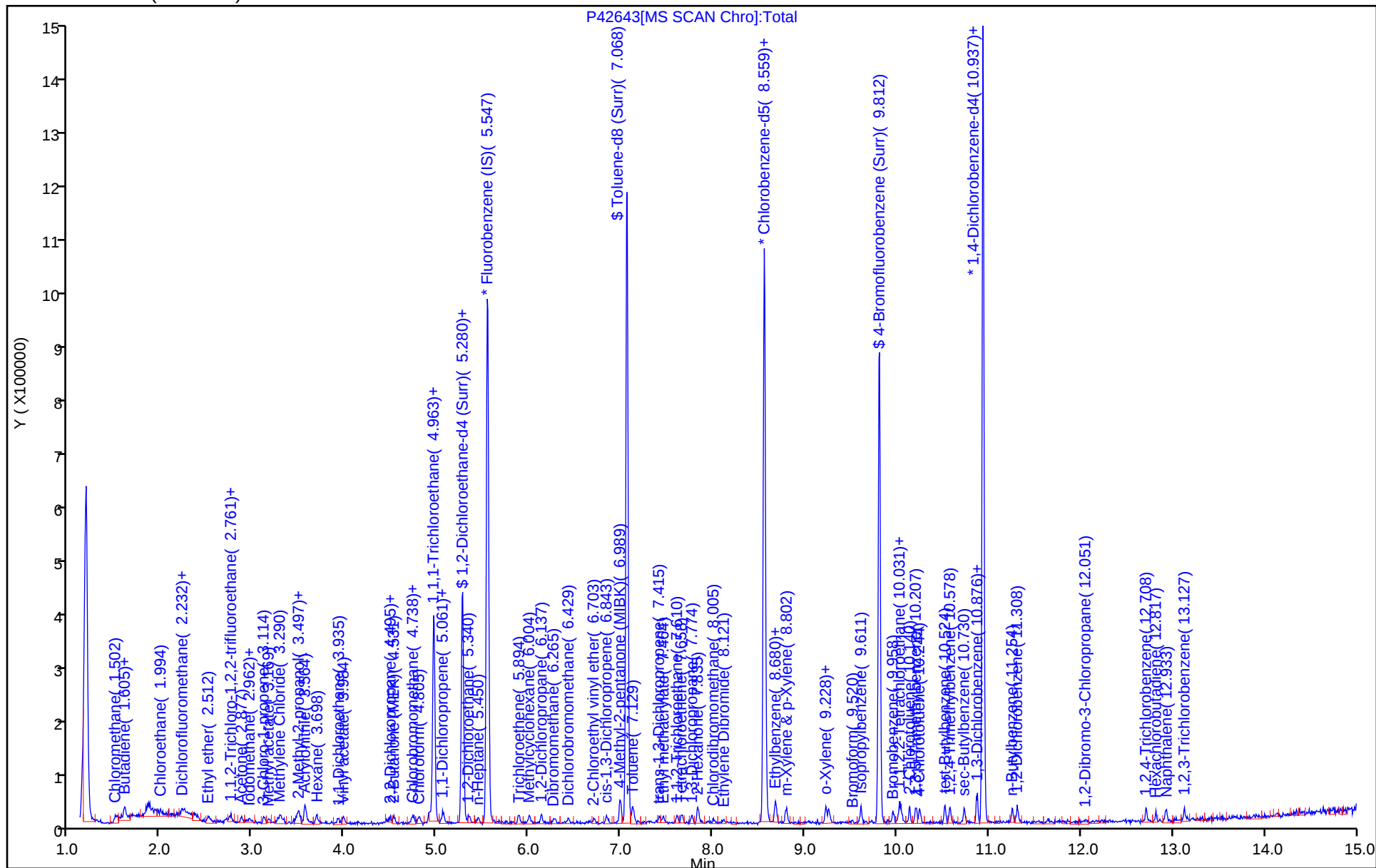
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

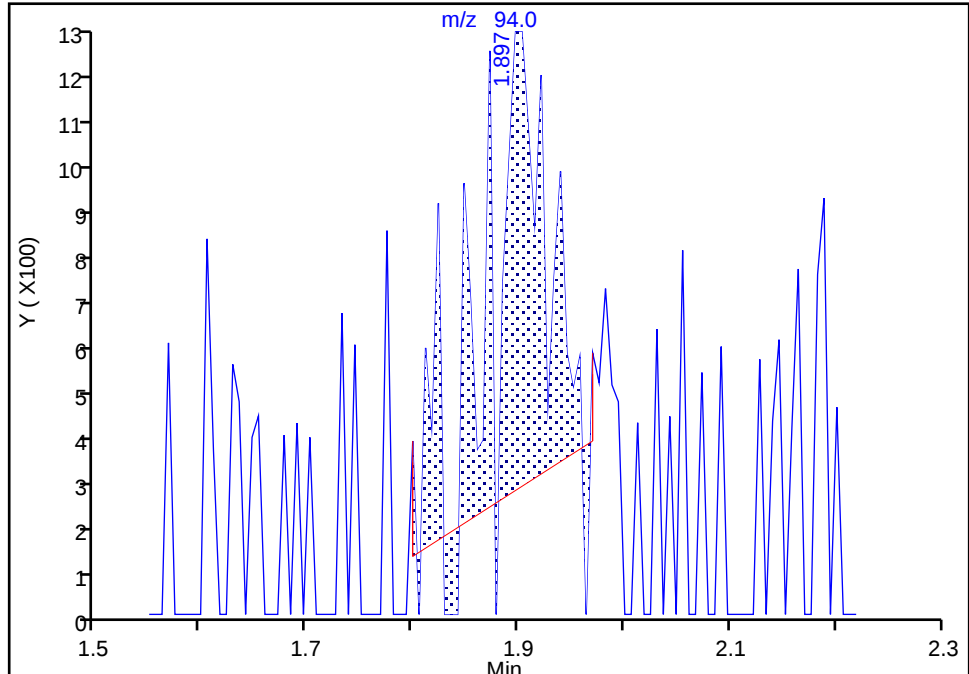
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Injection Date: 29-Apr-2019 14:46:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

12 Bromomethane, CAS: 74-83-9

Signal: 1

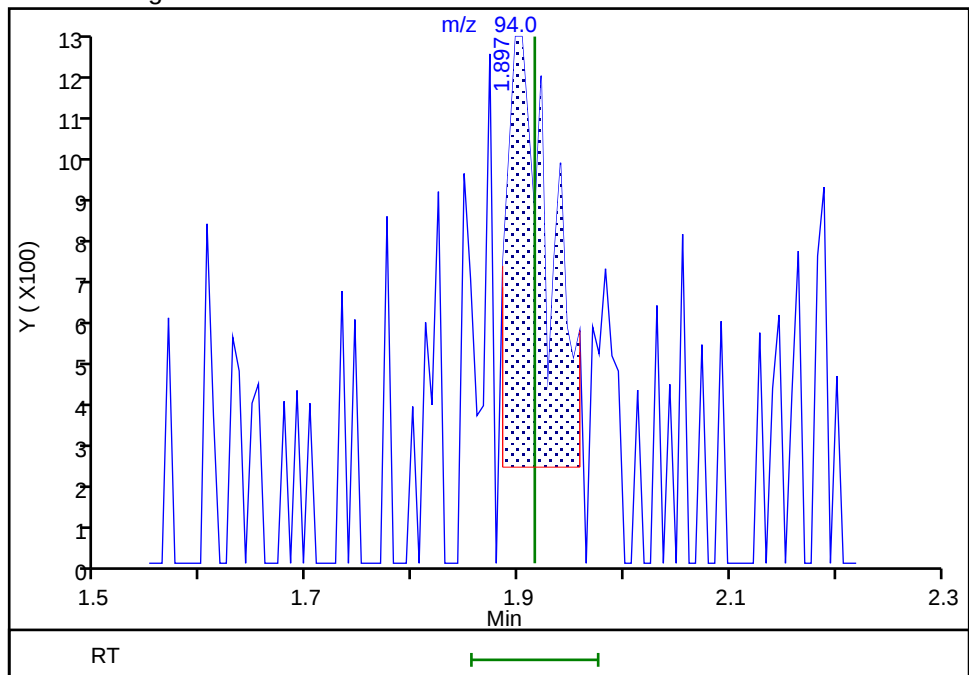
RT: 1.90
Area: 3718
Amount: 0.527316
Amount Units: ug/L

Processing Integration Results



RT: 1.90
Area: 2948
Amount: 0.441799
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:46:04
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 120 of 249

05/17/2019

Eurofins TestAmerica, Buffalo

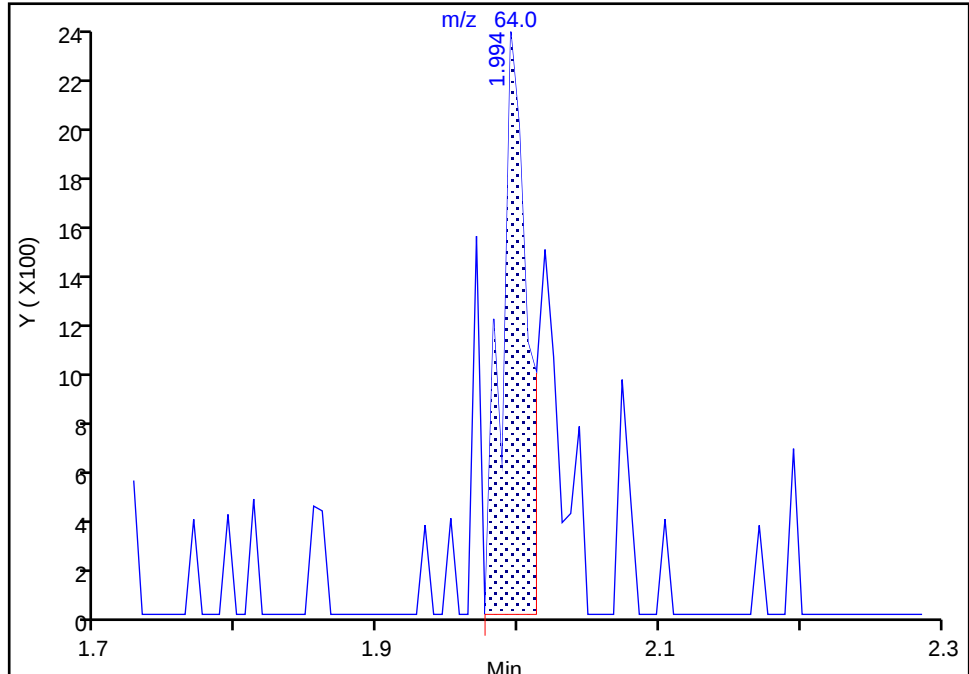
Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D
Injection Date: 29-Apr-2019 14:46:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

13 Chloroethane, CAS: 75-00-3

Signal: 1

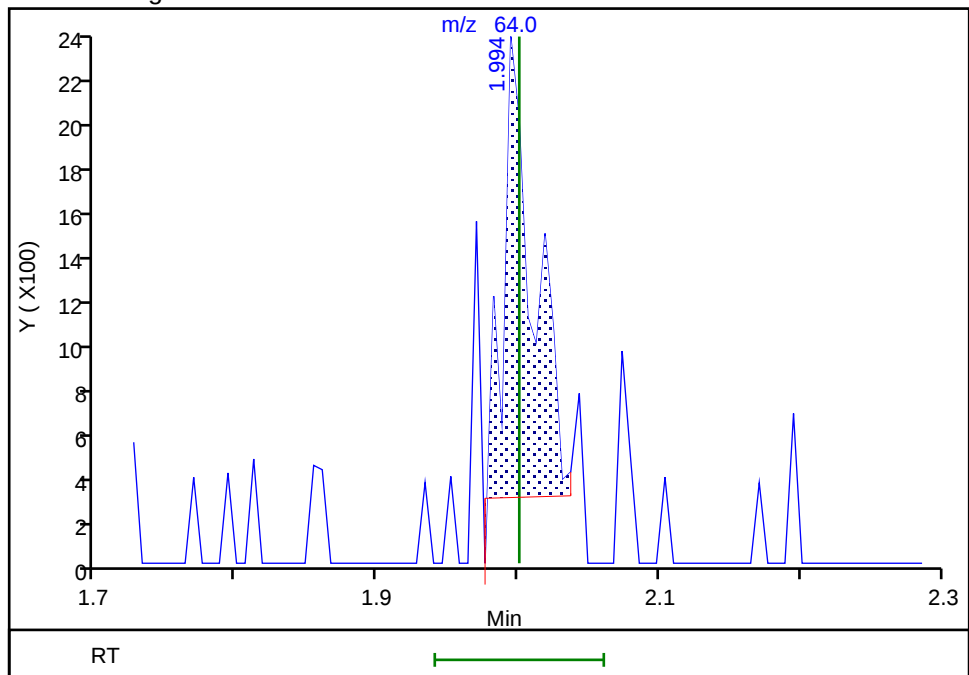
RT: 1.99
Area: 2916
Amount: 0.614268
Amount Units: ug/L

Processing Integration Results



RT: 1.99
Area: 2929
Amount: 0.459039
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:46:14
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

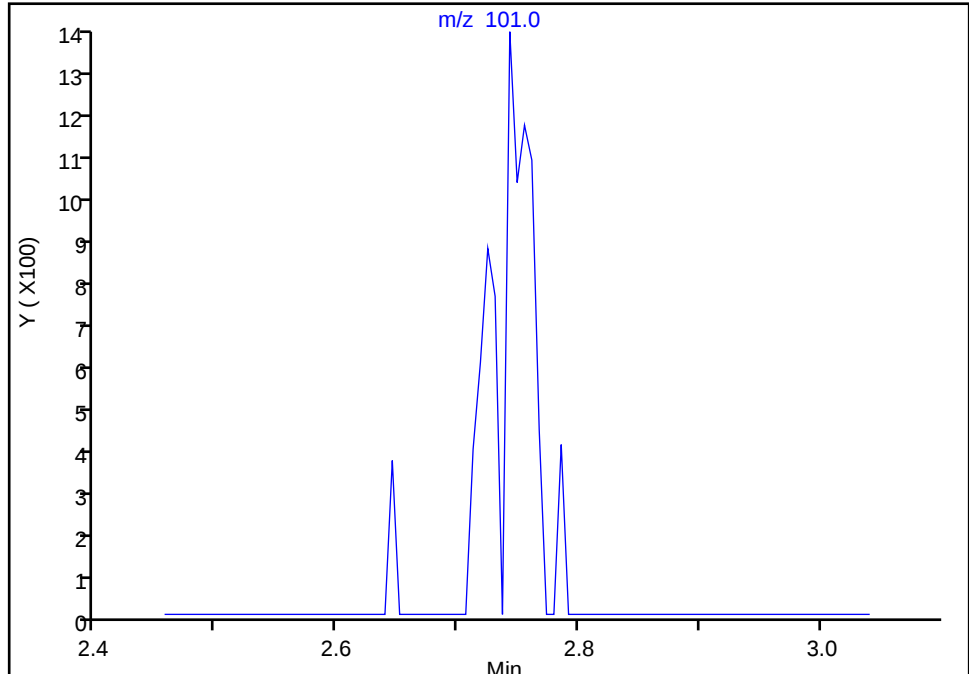
Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D
Injection Date: 29-Apr-2019 14:46:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

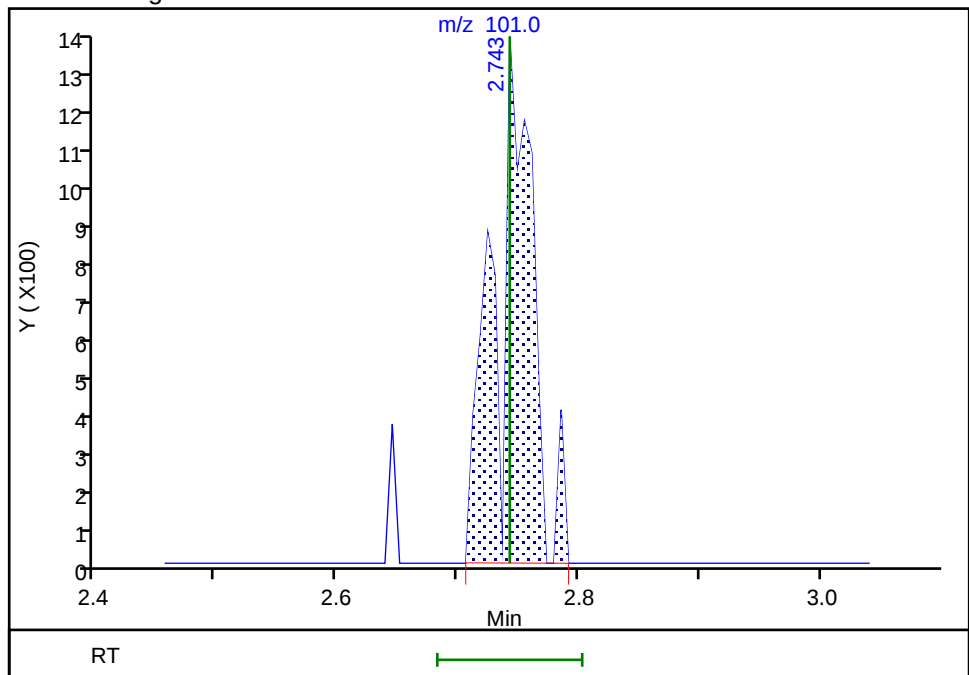
Not Detected
Expected RT: 2.74

Processing Integration Results



Manual Integration Results

RT: 2.74
Area: 2888
Amount: 0.332351
Amount Units: ug/L



Reviewer: HillL, 30-Apr-2019 10:46:46
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D

Injection Date: 29-Apr-2019 14:46:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: RF

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

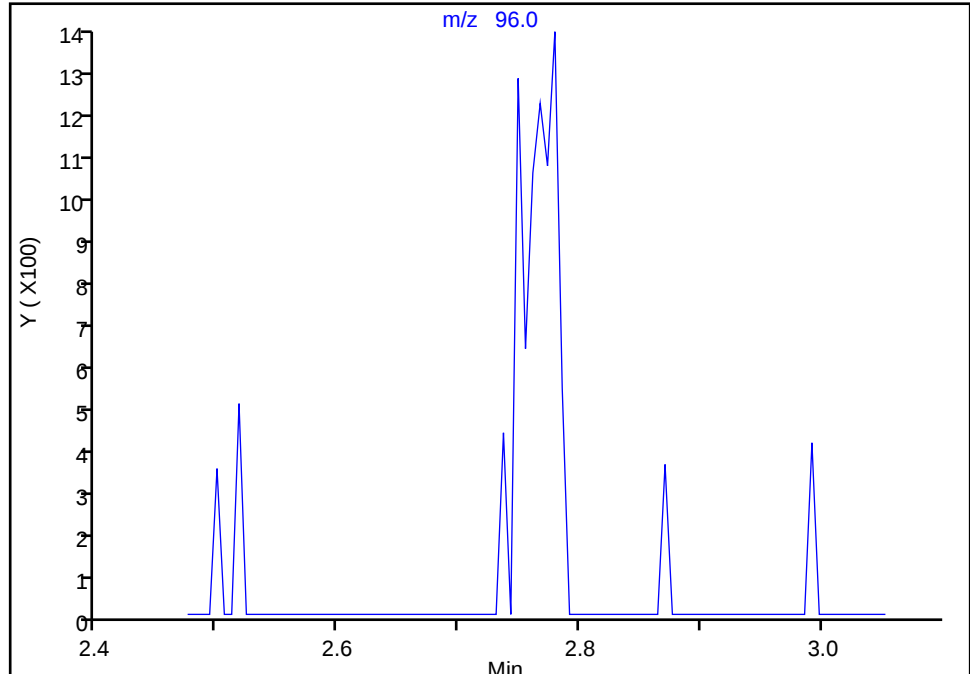
25 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

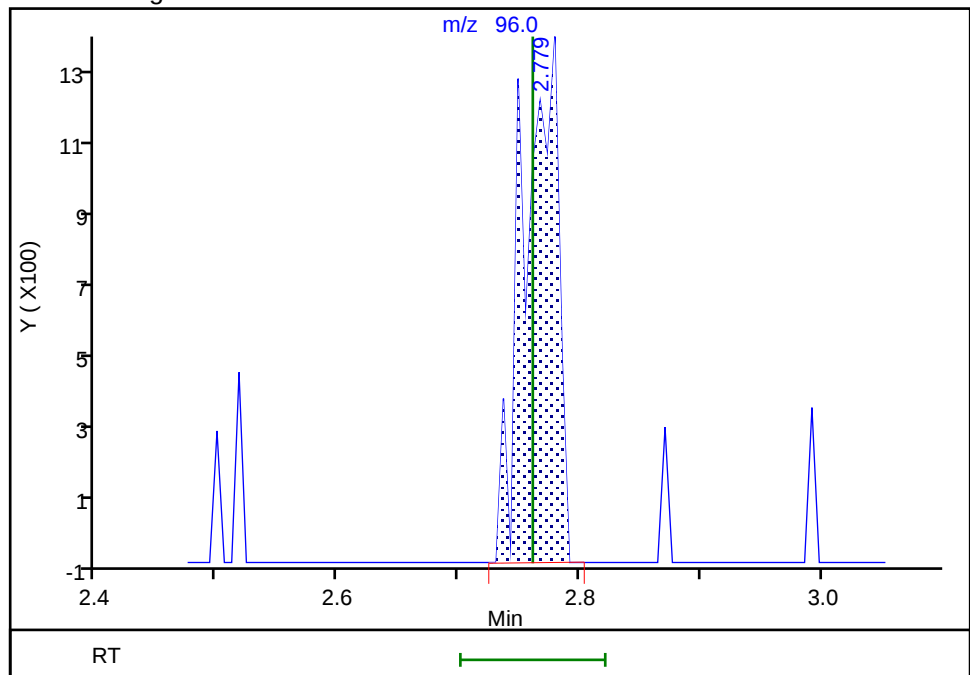
Not Detected

Expected RT: 2.76

Processing Integration Results



Manual Integration Results



RT: 2.78

Area: 2801

Amount: 0.329705

Amount Units: ug/L

Reviewer: HillL, 30-Apr-2019 10:46:53

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

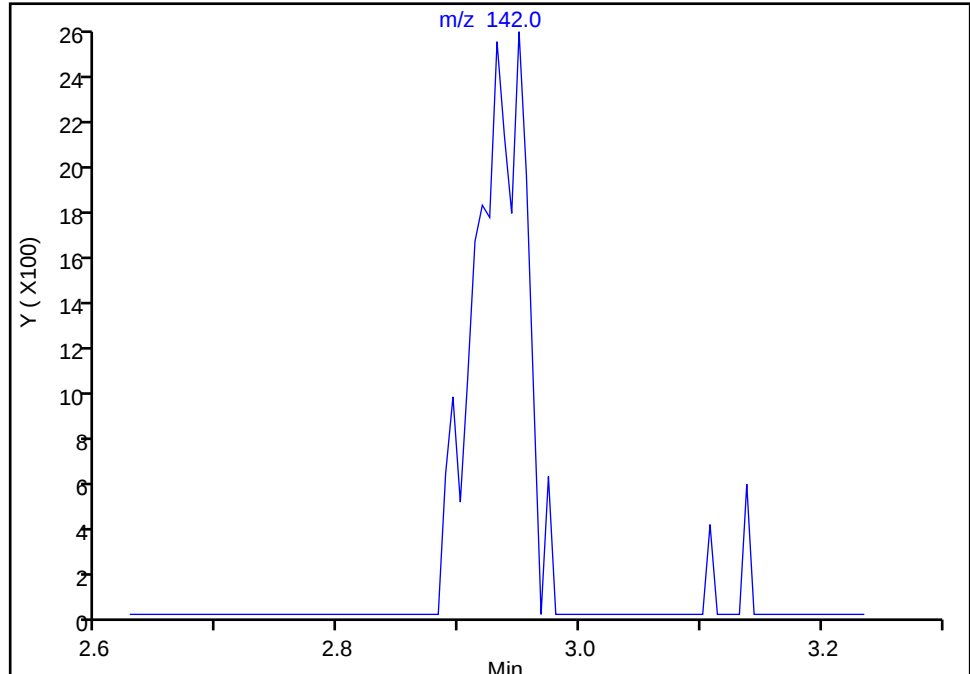
Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D
Injection Date: 29-Apr-2019 14:46:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

18 Iodomethane, CAS: 74-88-4

Signal: 1

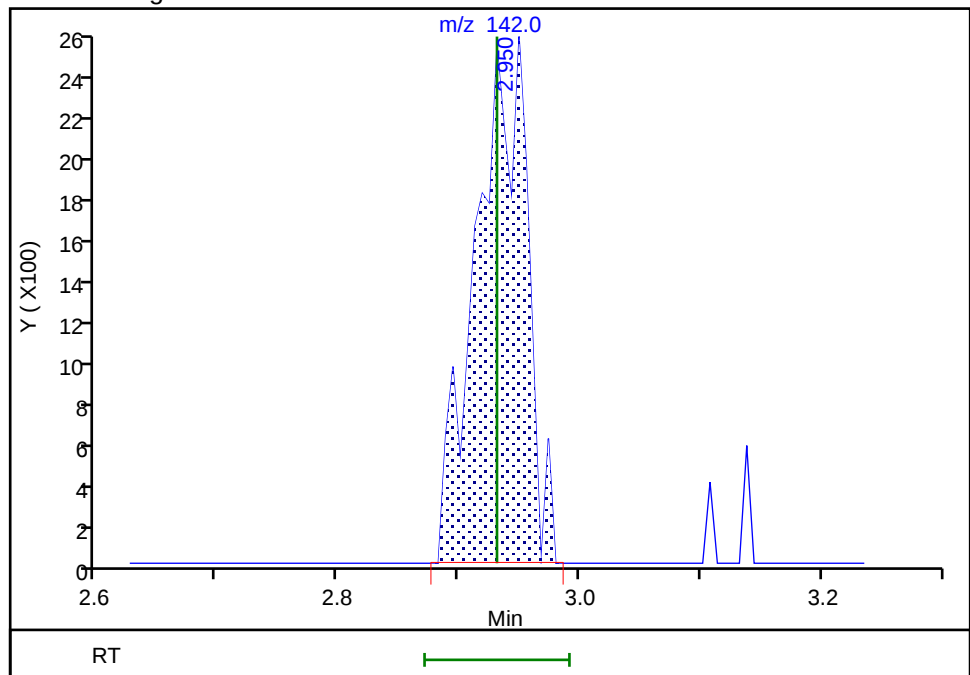
Not Detected
Expected RT: 2.93

Processing Integration Results



Manual Integration Results

RT: 2.95
Area: 7561
Amount: 0.459140
Amount Units: ug/L



Reviewer: HillL, 30-Apr-2019 10:47:03
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D

Injection Date: 29-Apr-2019 14:46:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: RF

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

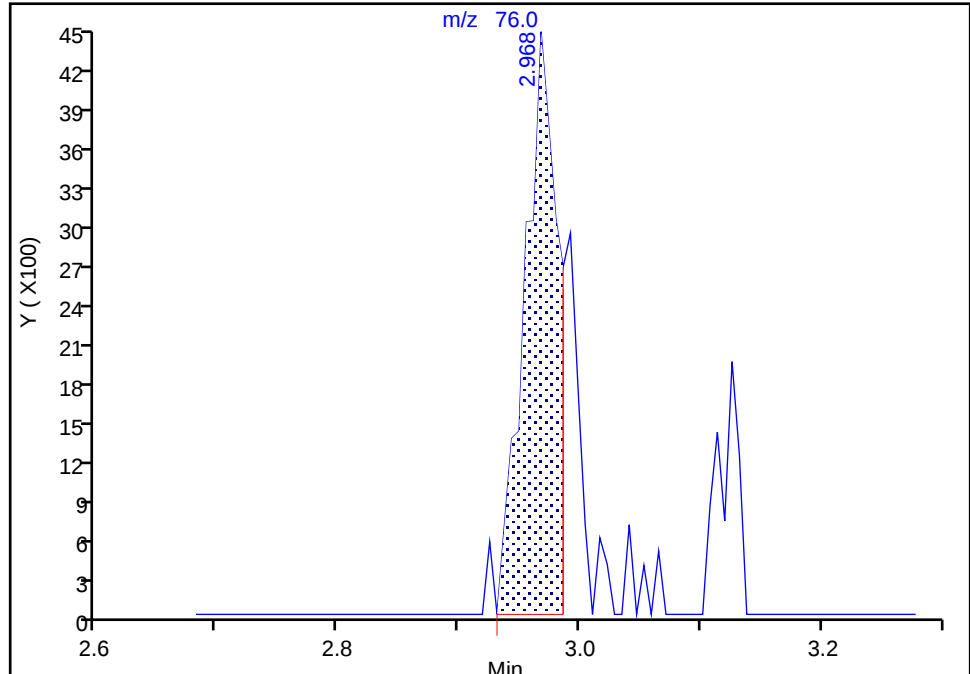
Detector: MS SCAN

27 Carbon disulfide, CAS: 75-15-0

Signal: 1

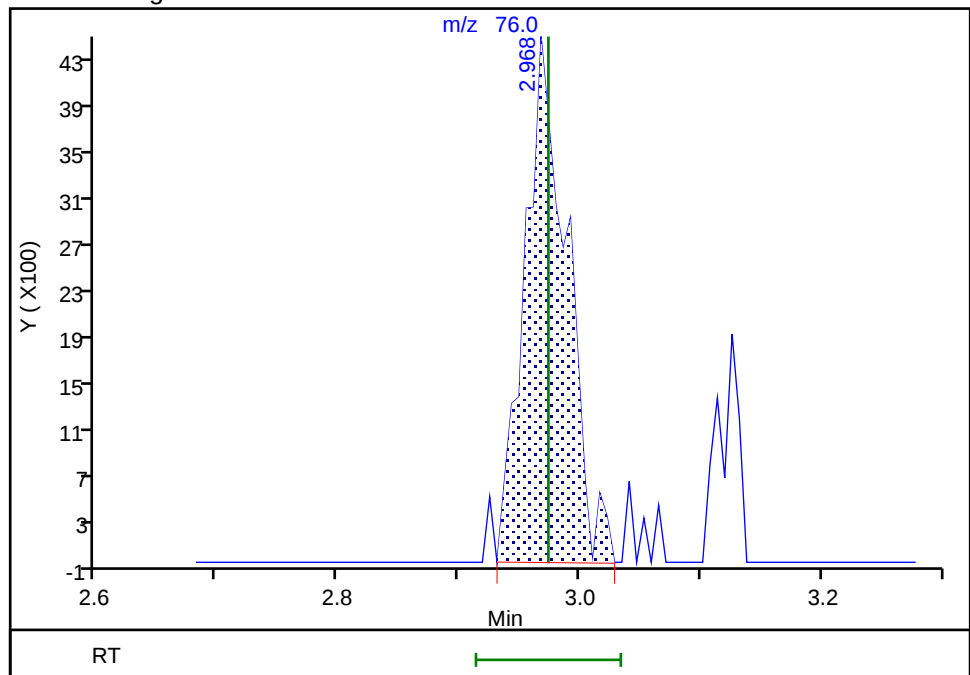
RT: 2.97
Area: 8437
Amount: 0.376316
Amount Units: ug/L

Processing Integration Results



RT: 2.97
Area: 10746
Amount: 0.434152
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:47:24

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D

Injection Date: 29-Apr-2019 14:46:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: RF

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

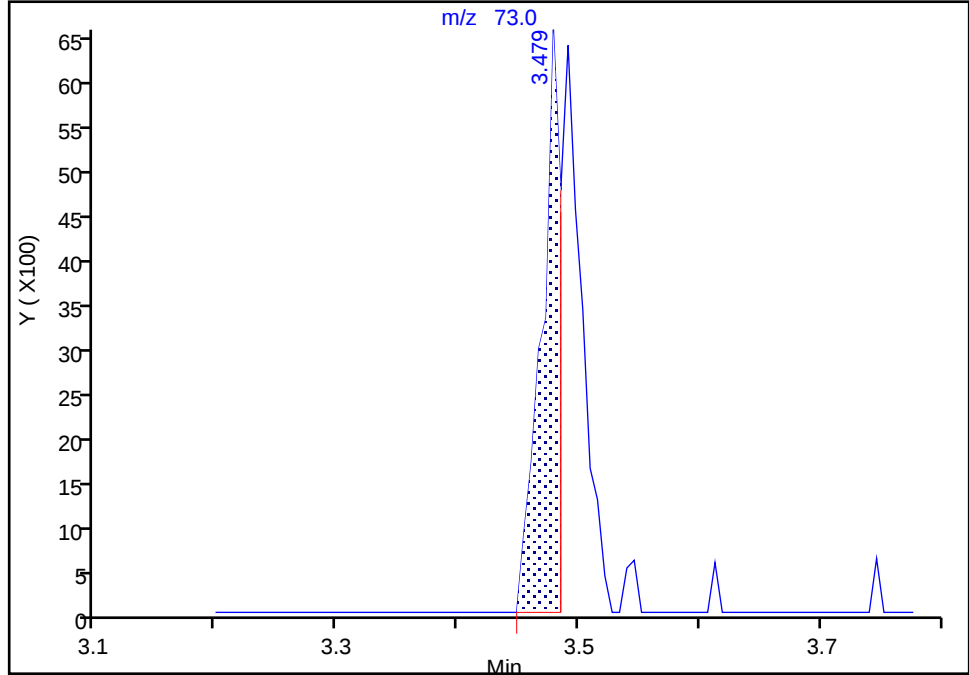
MS SCAN

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

Signal: 1

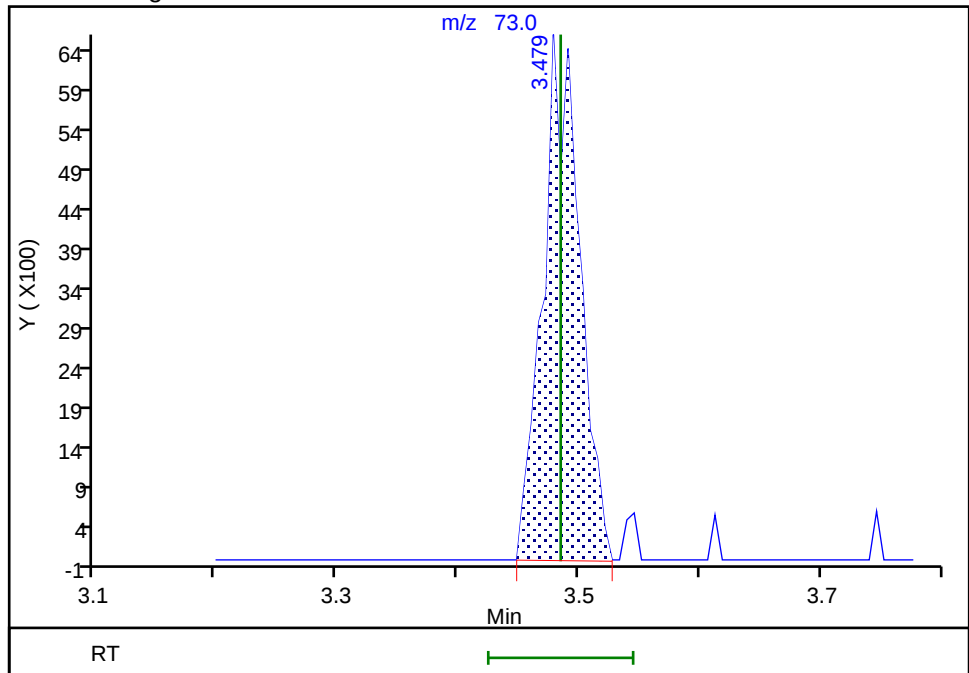
RT: 3.48
Area: 7416
Amount: 0.556995
Amount Units: ug/L

Processing Integration Results



RT: 3.48
Area: 13939
Amount: 0.535221
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:49:15

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

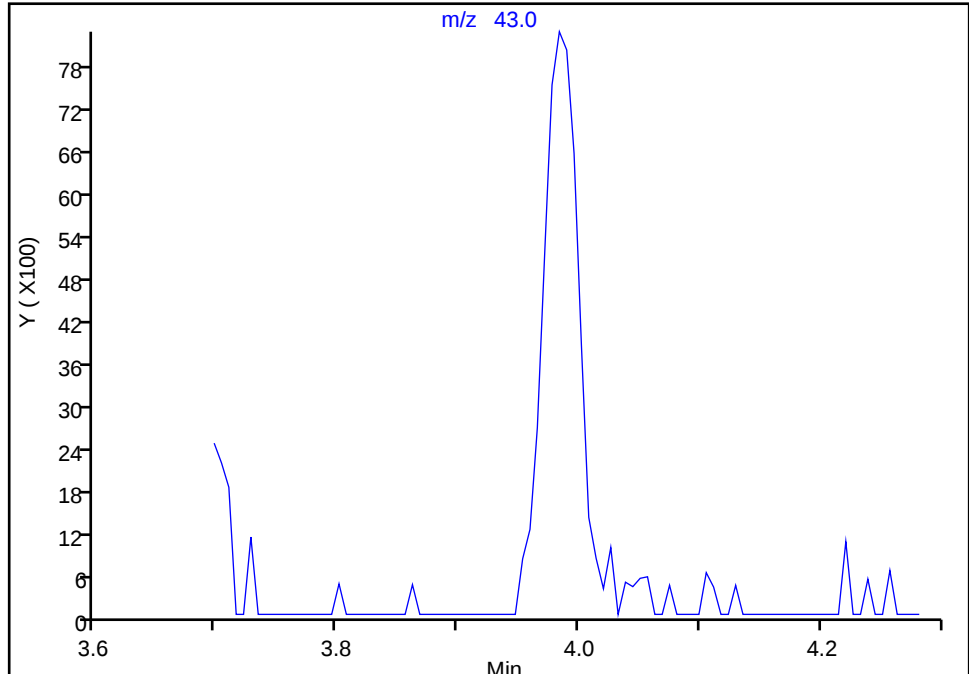
Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D
Injection Date: 29-Apr-2019 14:46:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

38 Vinyl acetate, CAS: 108-05-4

Signal: 1

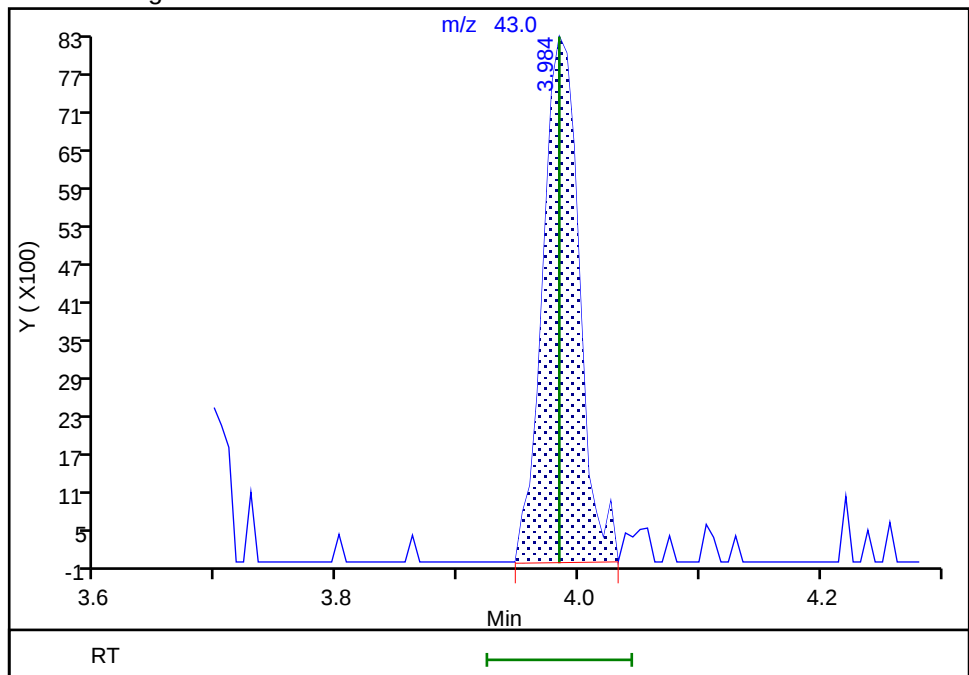
Not Detected
Expected RT: 3.98

Processing Integration Results



RT: 3.98
Area: 17369
Amount: 0.739698
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:49:28
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D

Injection Date: 29-Apr-2019 14:46:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: RF

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

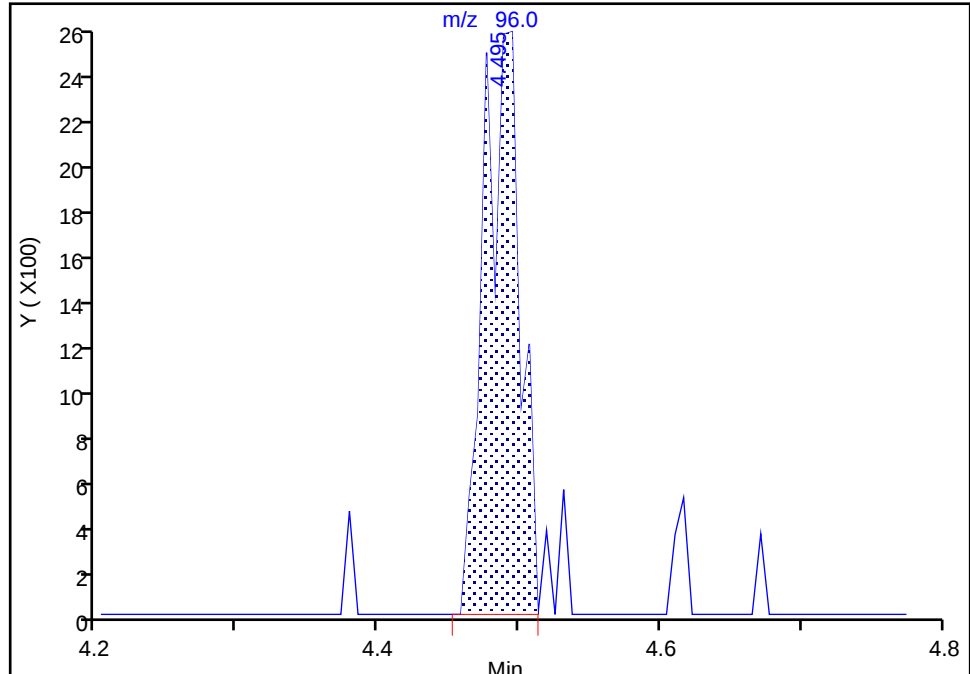
Detector: MS SCAN

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

Signal: 1

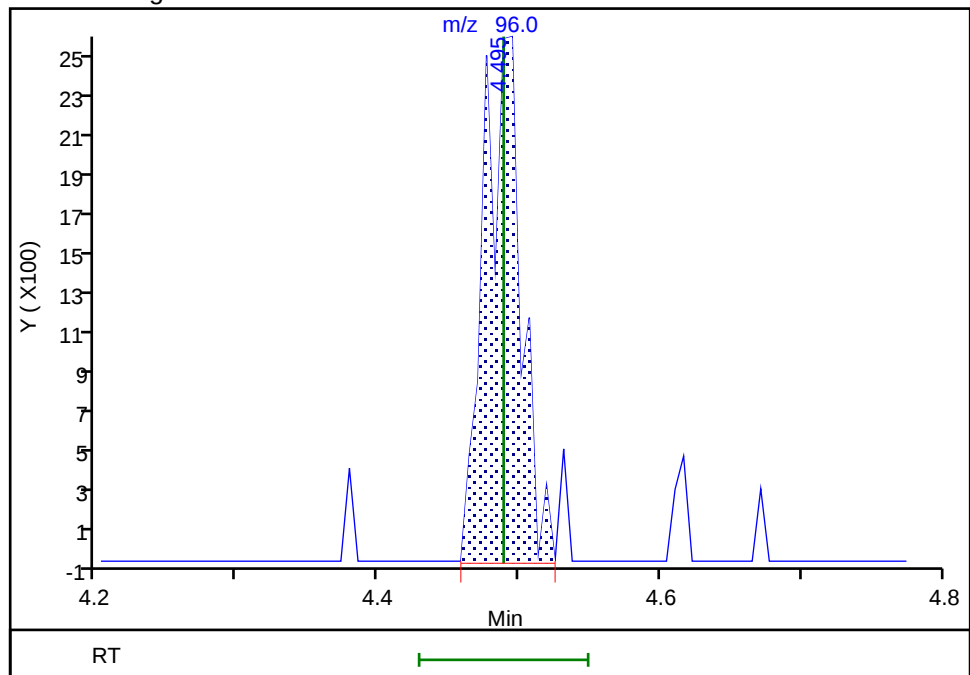
RT: 4.49
Area: 4523
Amount: 0.447270
Amount Units: ug/L

Processing Integration Results



RT: 4.49
Area: 4702
Amount: 0.462631
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:49:38

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

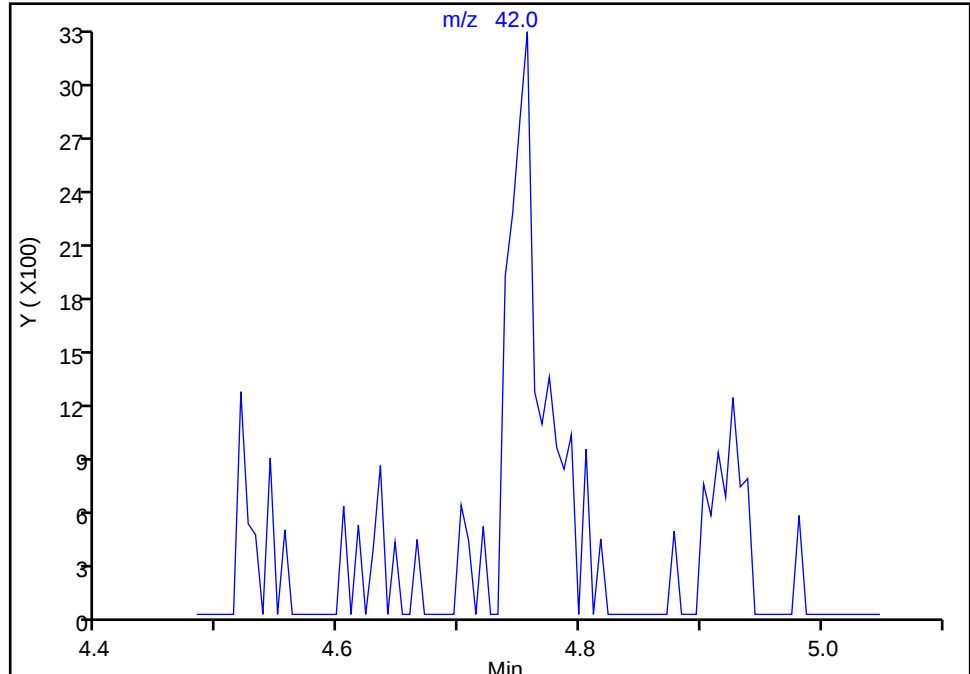
Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D
Injection Date: 29-Apr-2019 14:46:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

51 Tetrahydrofuran, CAS: 109-99-9

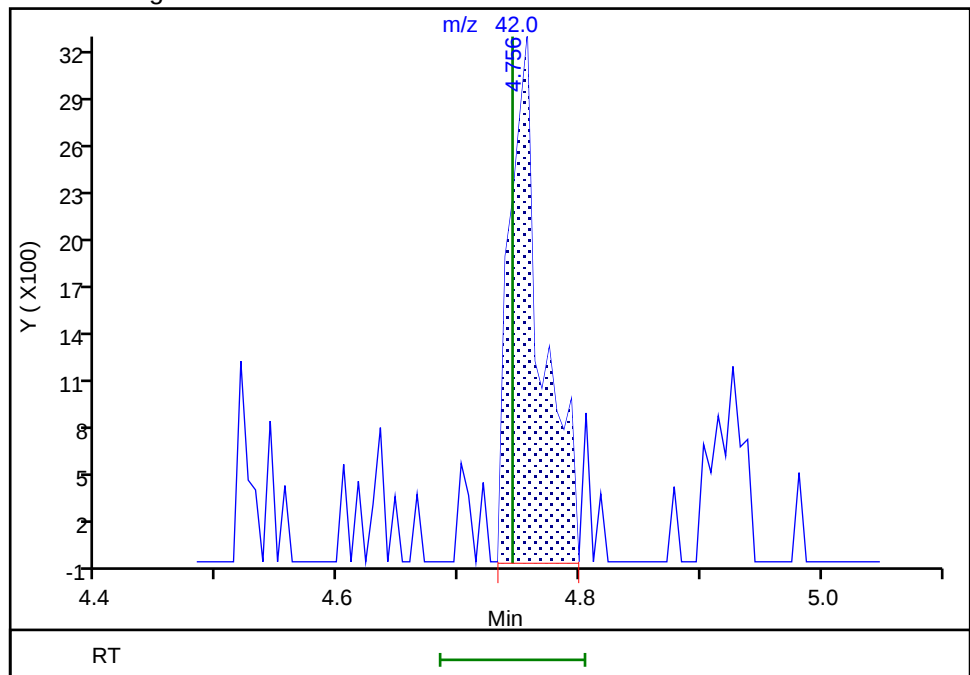
Signal: 1

Not Detected
Expected RT: 4.74

Processing Integration Results



Manual Integration Results



RT: 4.76
Area: 6069
Amount: 1.224361
Amount Units: ug/L

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D

Injection Date: 29-Apr-2019 14:46:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: RF

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

MS SCAN

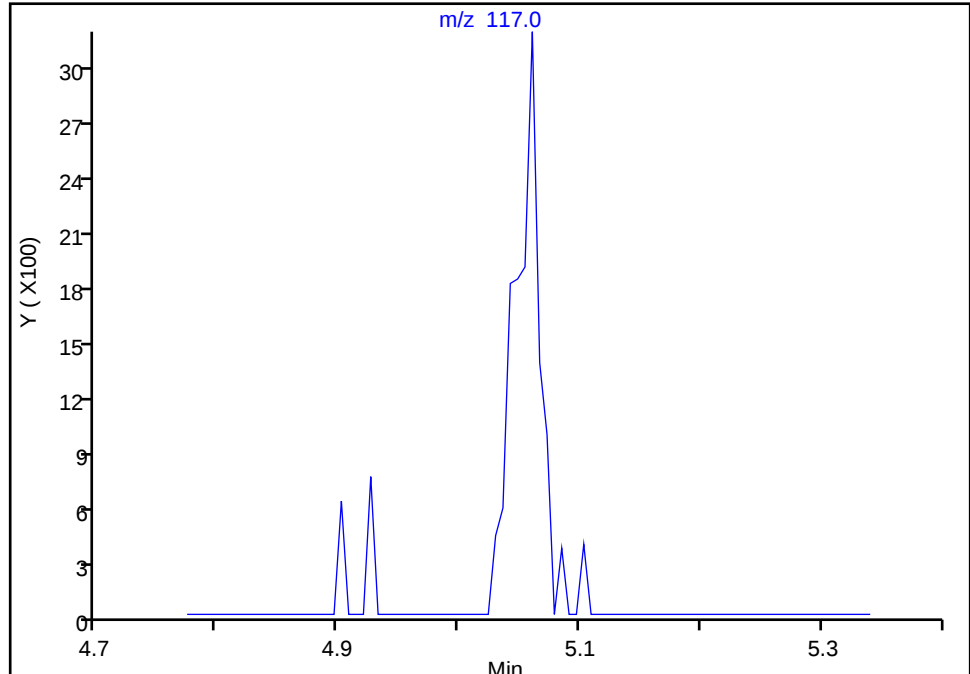
55 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

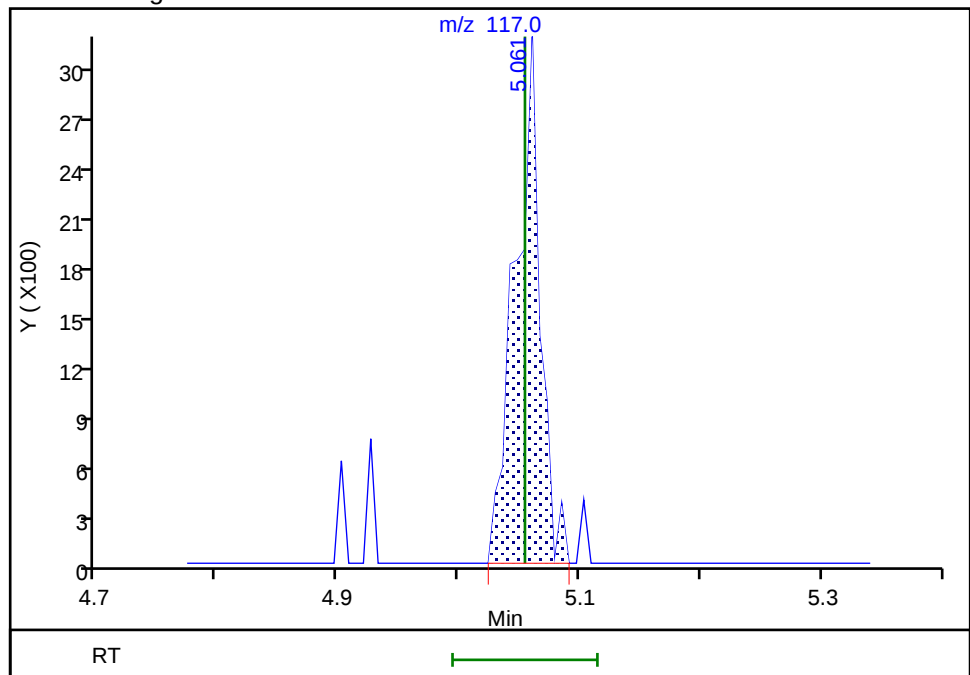
Not Detected

Expected RT: 5.05

Processing Integration Results



Manual Integration Results



RT: 5.06

Area: 4428

Amount: 0.357367

Amount Units: ug/L

Reviewer: HillL, 30-Apr-2019 10:49:59

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

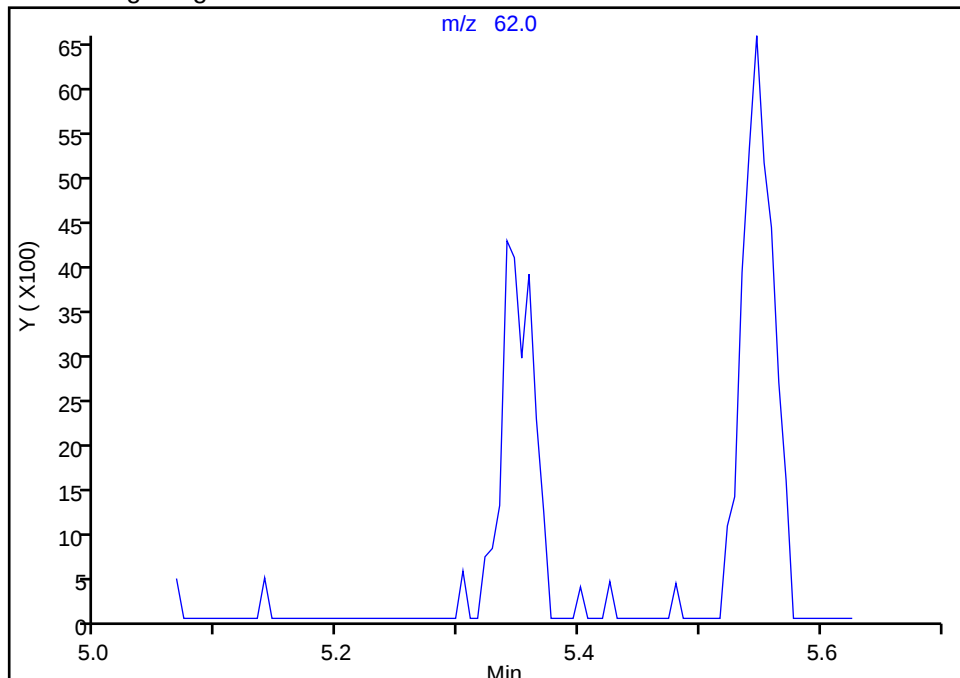
Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D
Injection Date: 29-Apr-2019 14:46:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

60 1,2-Dichloroethane, CAS: 107-06-2

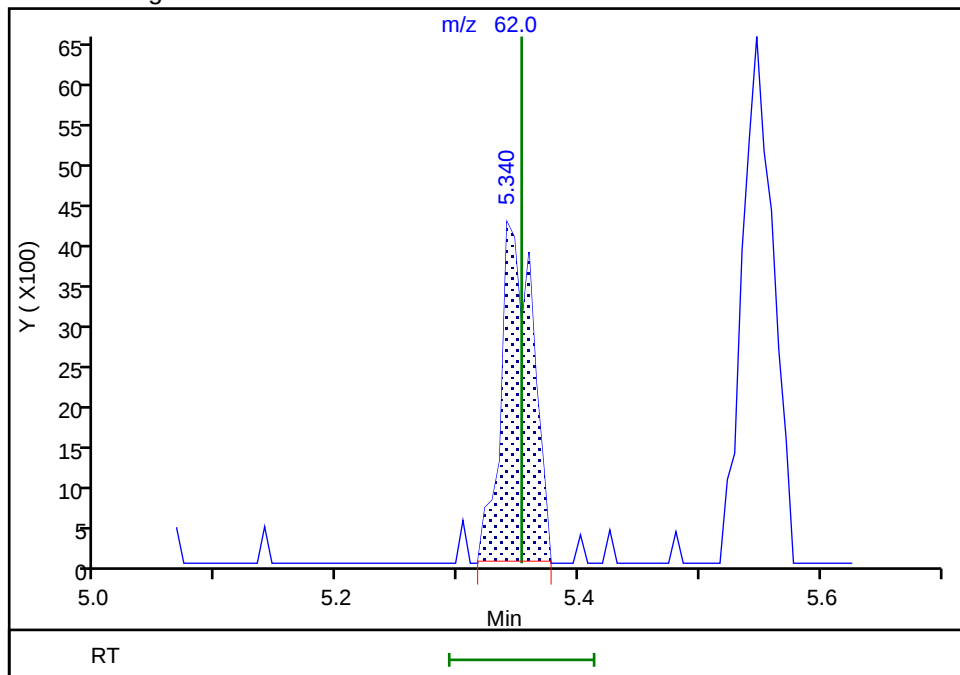
Signal: 1

Not Detected
Expected RT: 5.35

Processing Integration Results



Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:50:10
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

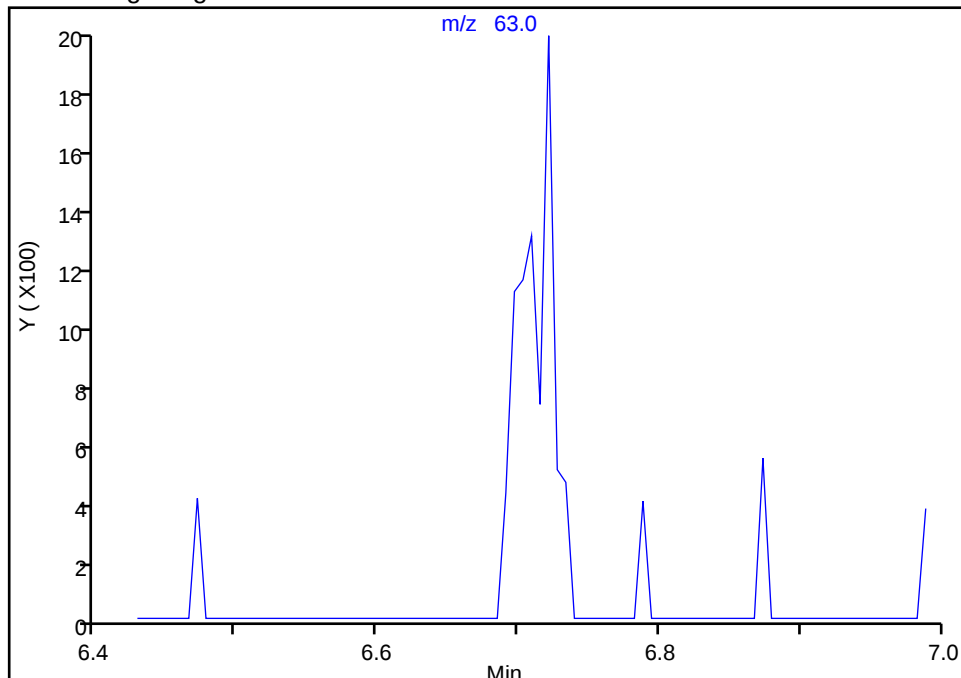
Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D
Injection Date: 29-Apr-2019 14:46:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

71 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

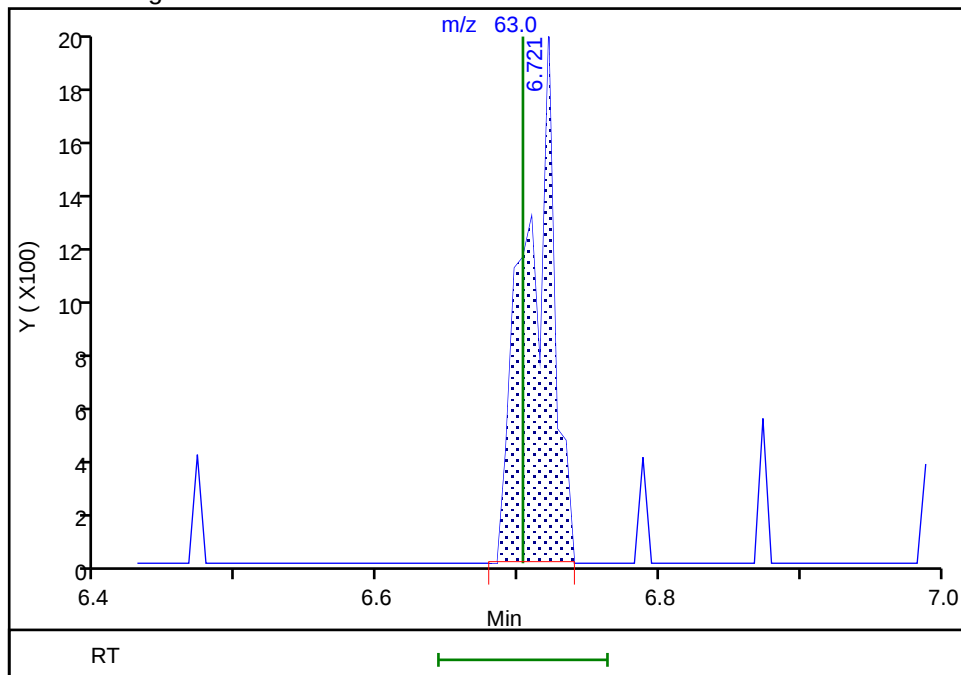
Not Detected
Expected RT: 6.70

Processing Integration Results



Manual Integration Results

RT: 6.72
Area: 2771
Amount: 0.473416
Amount Units: ug/L



Reviewer: HillL, 30-Apr-2019 10:50:30
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D

Injection Date: 29-Apr-2019 14:46:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: RF

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

MS SCAN

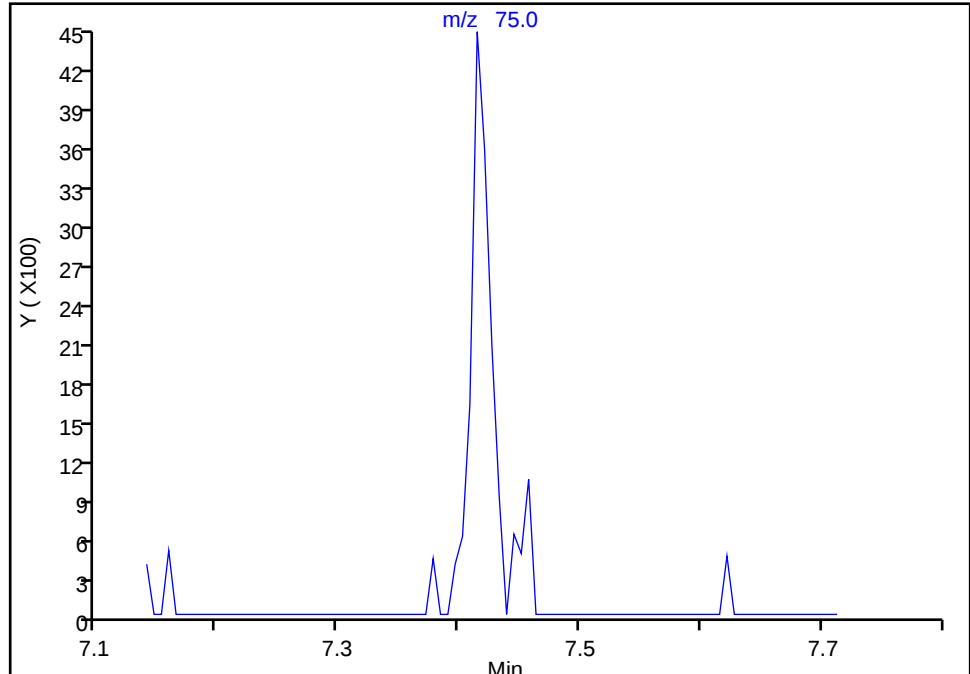
78 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

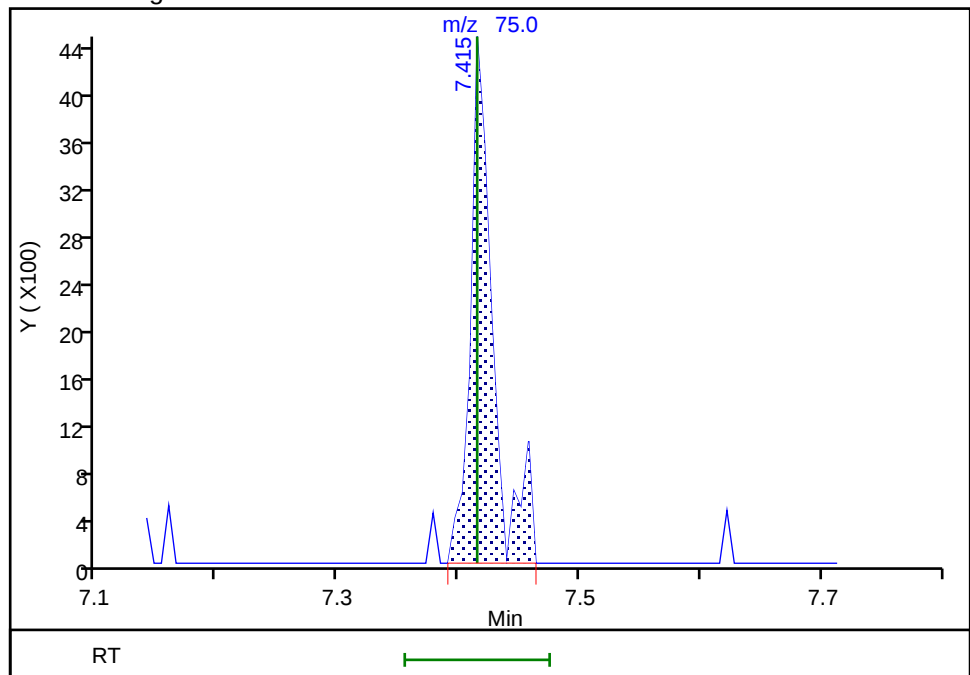
Not Detected

Expected RT: 7.41

Processing Integration Results



Manual Integration Results



RT: 7.41

Area: 5679

Amount: 0.485321

Amount Units: ug/L

Reviewer: HillL, 30-Apr-2019 10:50:49

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

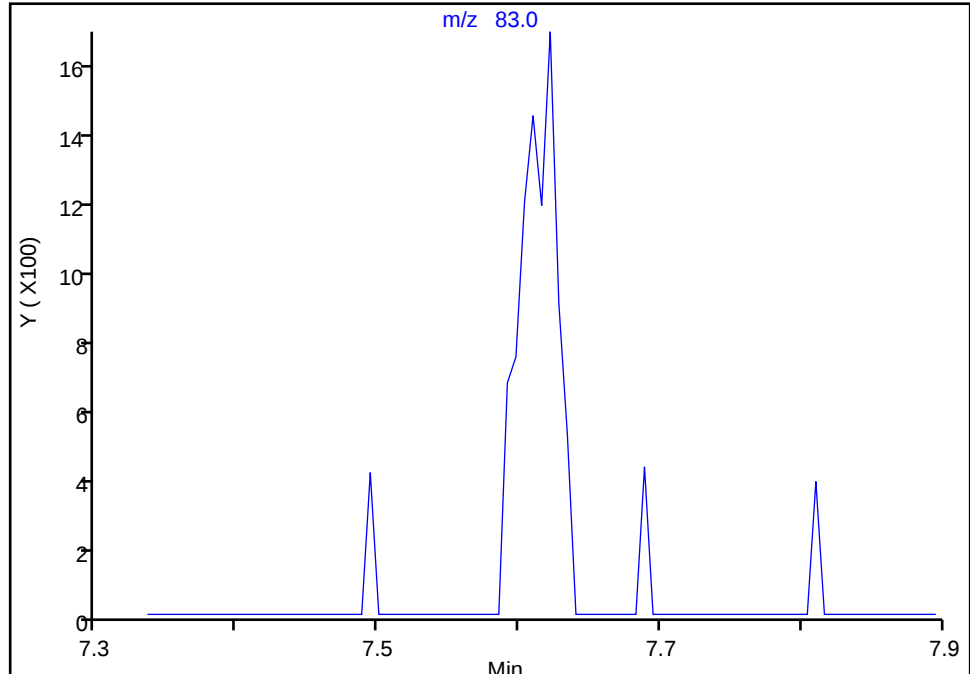
Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D
Injection Date: 29-Apr-2019 14:46:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

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

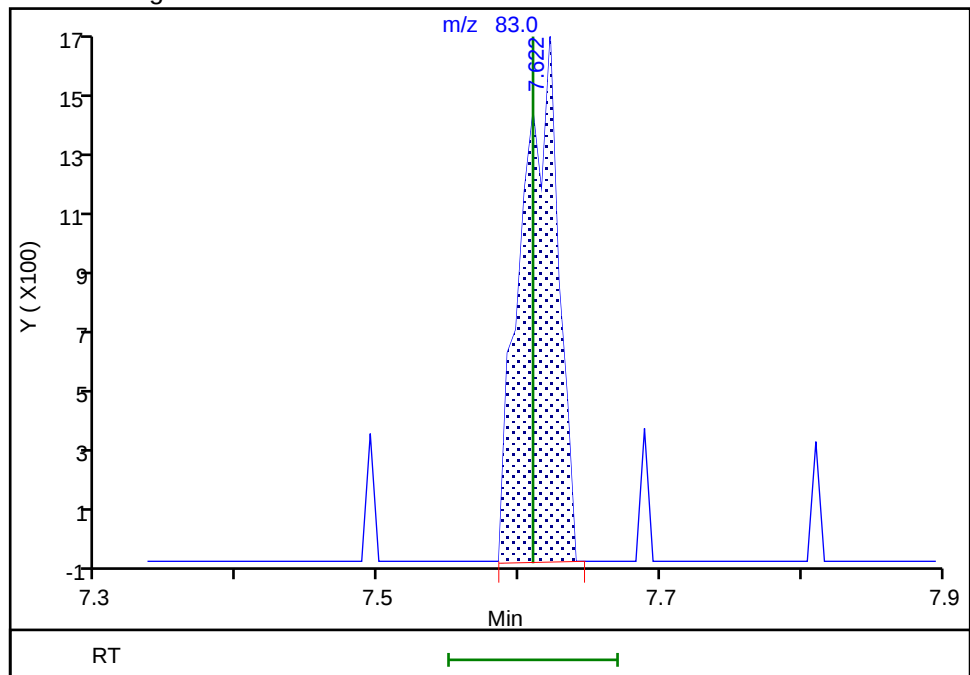
Signal: 1

Not Detected
Expected RT: 7.61

Processing Integration Results



Manual Integration Results



RT: 7.62
Area: 2958
Amount: 0.449272
Amount Units: ug/L

Reviewer: HillL, 30-Apr-2019 10:51:00
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

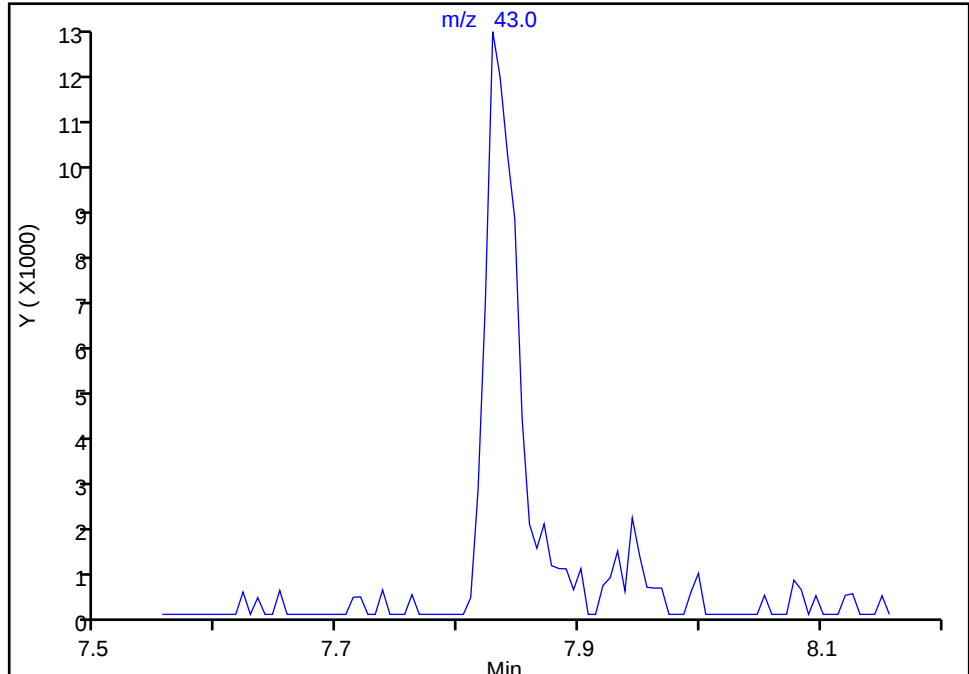
Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D
Injection Date: 29-Apr-2019 14:46:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

83 2-Hexanone, CAS: 591-78-6

Signal: 1

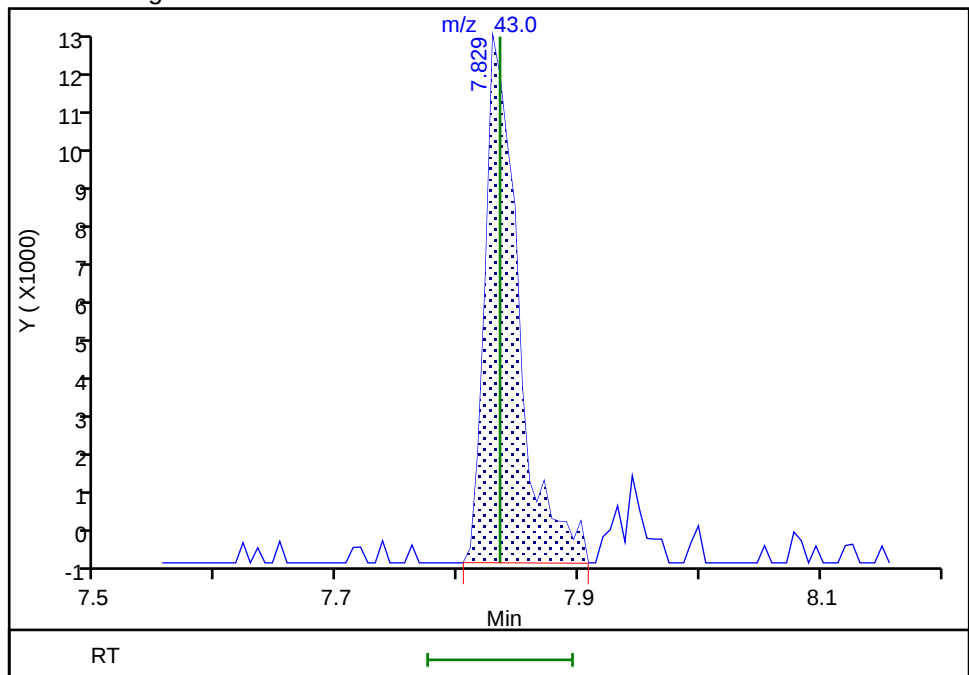
Not Detected
Expected RT: 7.83

Processing Integration Results



RT: 7.83
Area: 23637
Amount: 2.397252
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:51:12
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D

Injection Date: 29-Apr-2019 14:46:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: RF

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

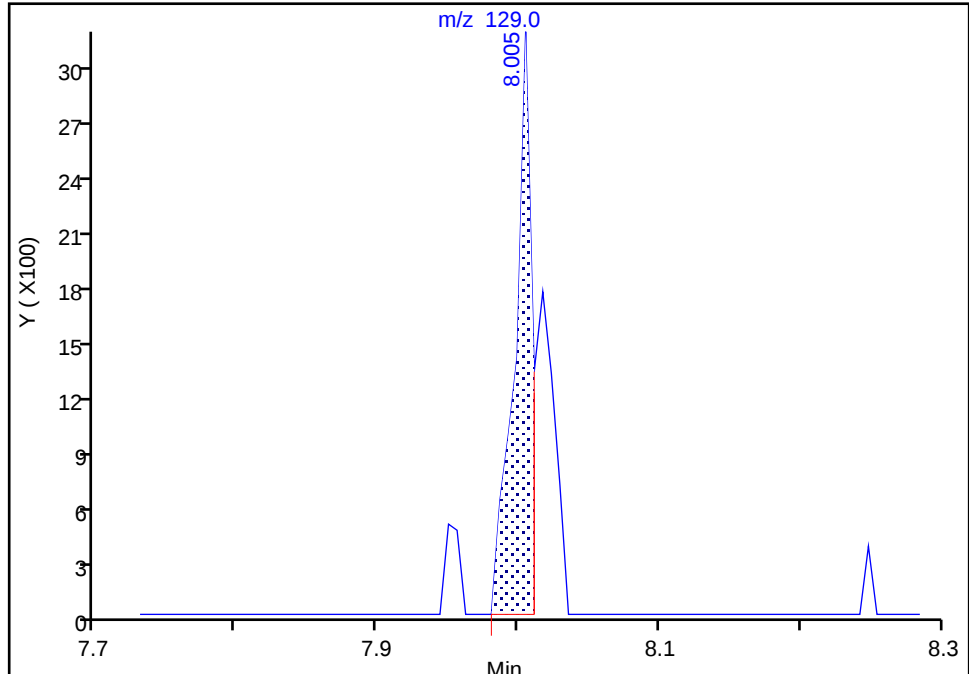
MS SCAN

81 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

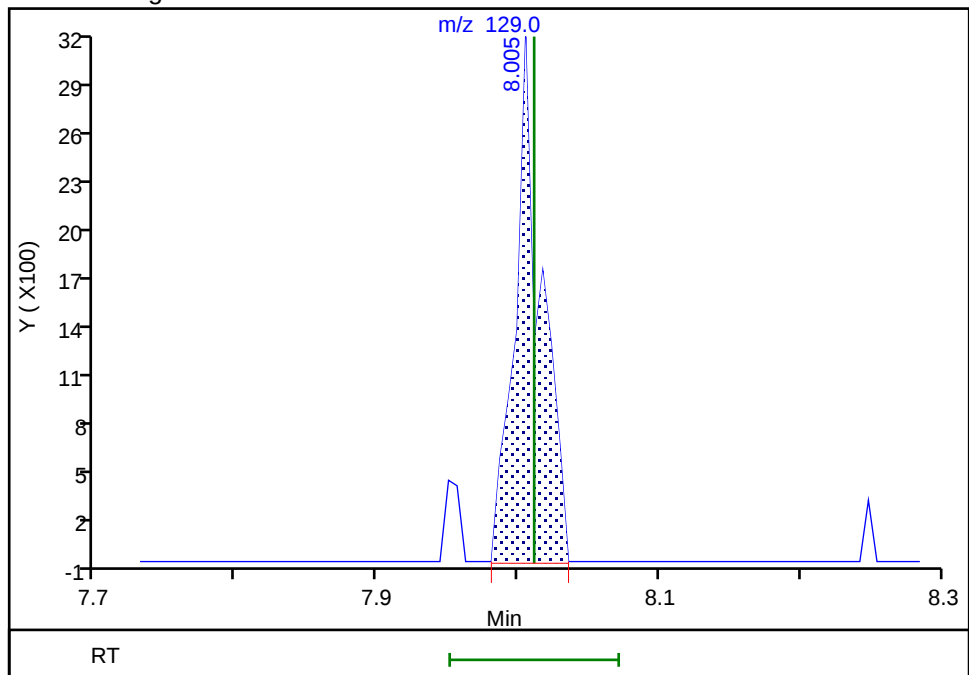
RT: 8.00
Area: 2703
Amount: 0.491586
Amount Units: ug/L

Processing Integration Results



RT: 8.00
Area: 4100
Amount: 0.459974
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:51:25

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D

Injection Date: 29-Apr-2019 14:46:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: RF

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

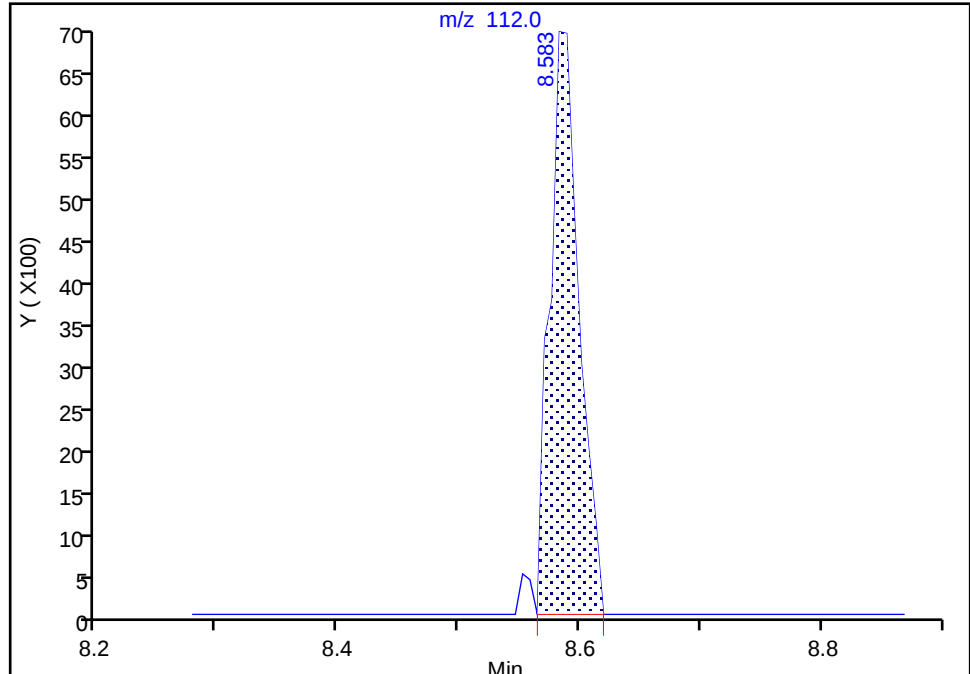
Detector: MS SCAN

87 Chlorobenzene, CAS: 108-90-7

Signal: 1

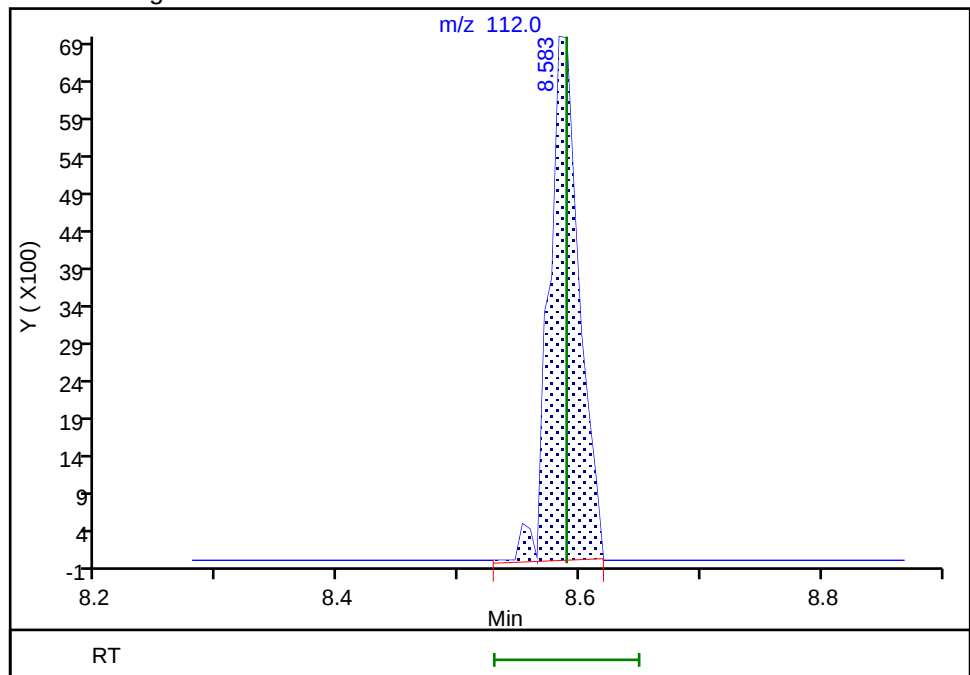
RT: 8.58
Area: 11554
Amount: 0.435057
Amount Units: ug/L

Processing Integration Results



RT: 8.58
Area: 11933
Amount: 0.447503
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:51:36

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

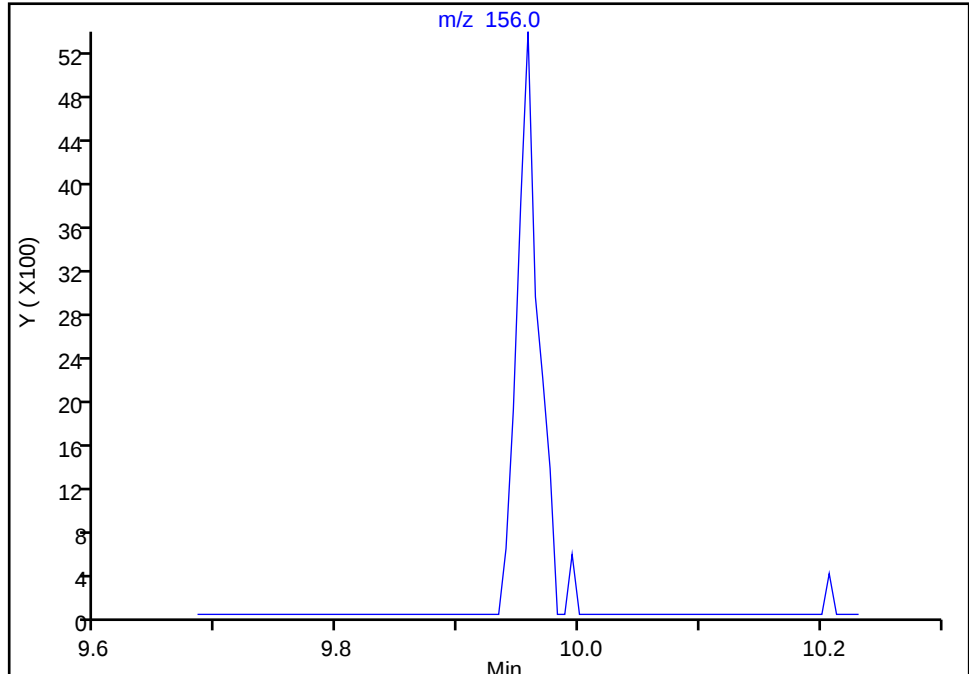
Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D
Injection Date: 29-Apr-2019 14:46:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

100 Bromobenzene, CAS: 108-86-1

Signal: 1

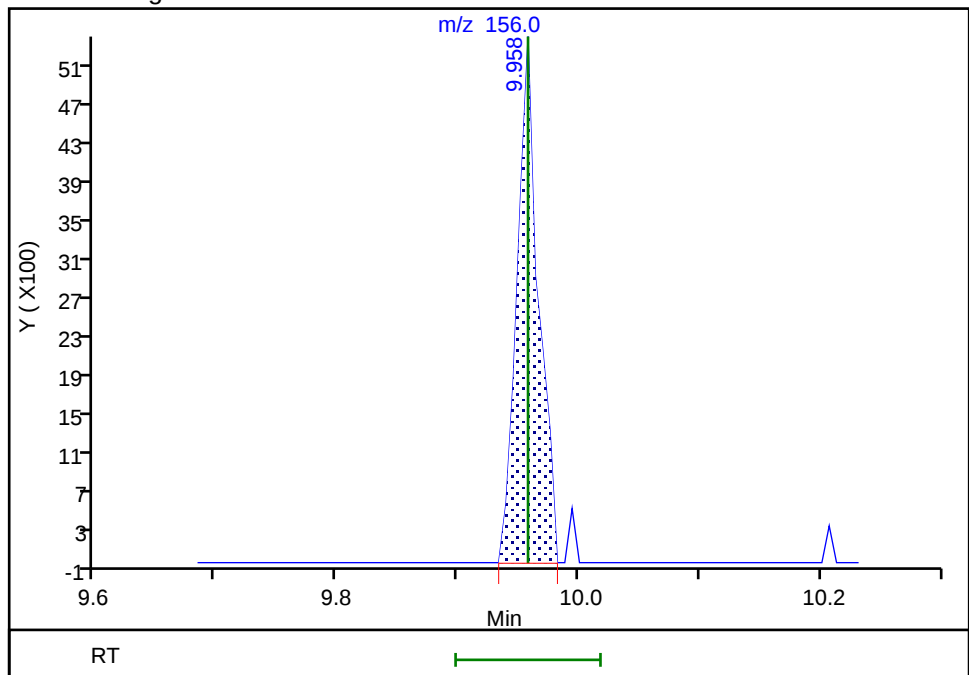
Not Detected
Expected RT: 9.96

Processing Integration Results



RT: 9.96
Area: 6645
Amount: 0.522749
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:51:56
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42643.D

Injection Date: 29-Apr-2019 14:46:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: RF

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

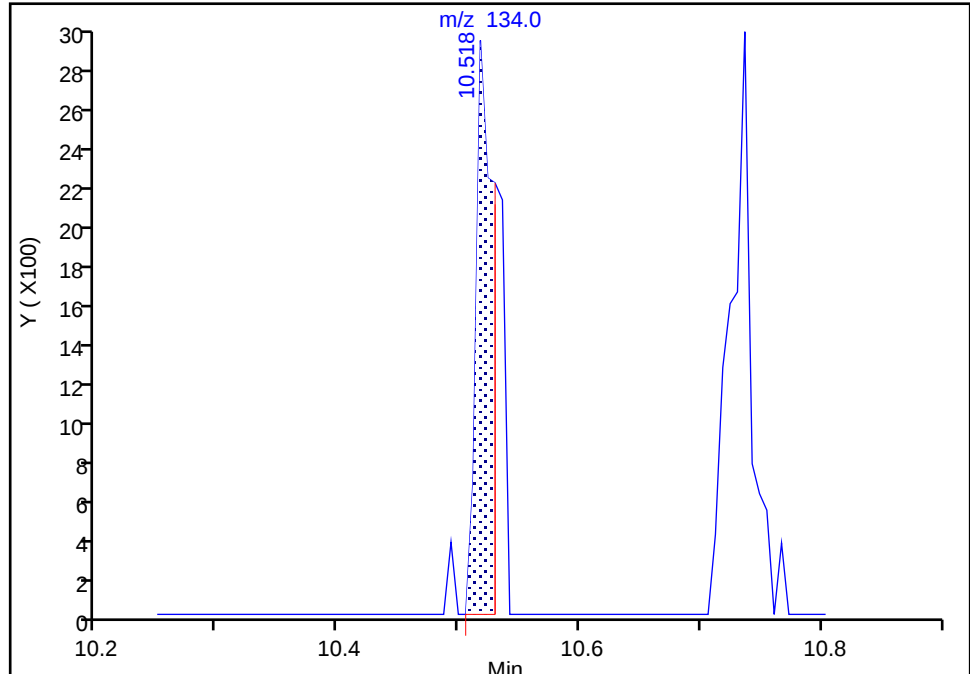
Detector: MS SCAN

106 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

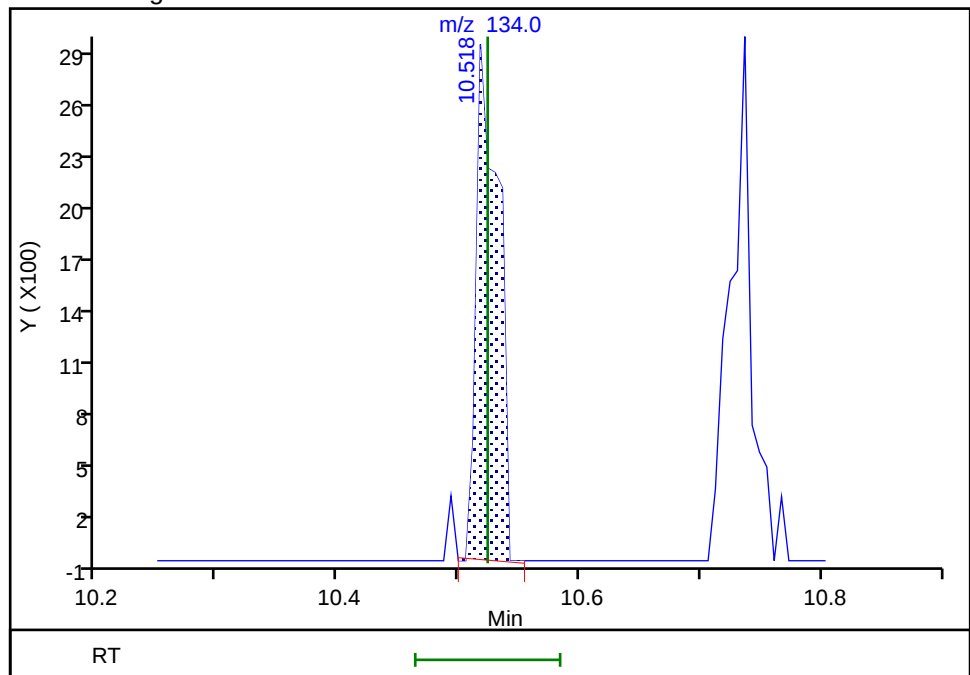
RT: 10.52
Area: 2886
Amount: 0.395339
Amount Units: ug/L

Processing Integration Results



RT: 10.52
Area: 3638
Amount: 0.484104
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:52:16

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

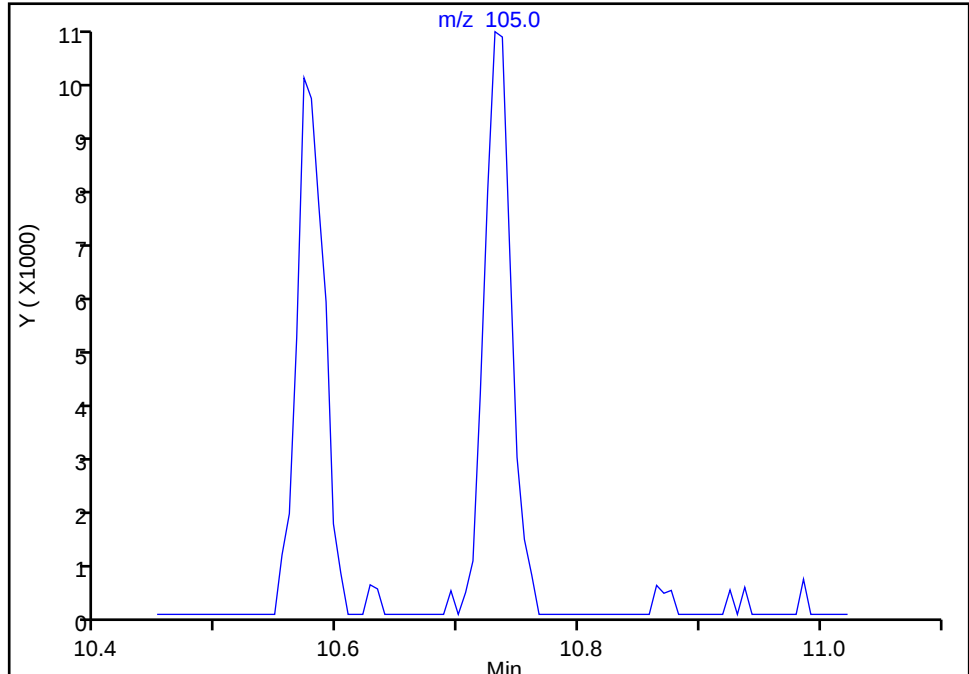
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Injection Date: 29-Apr-2019 14:46:30 Instrument ID: HP5973P
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

109 sec-Butylbenzene, CAS: 135-98-8

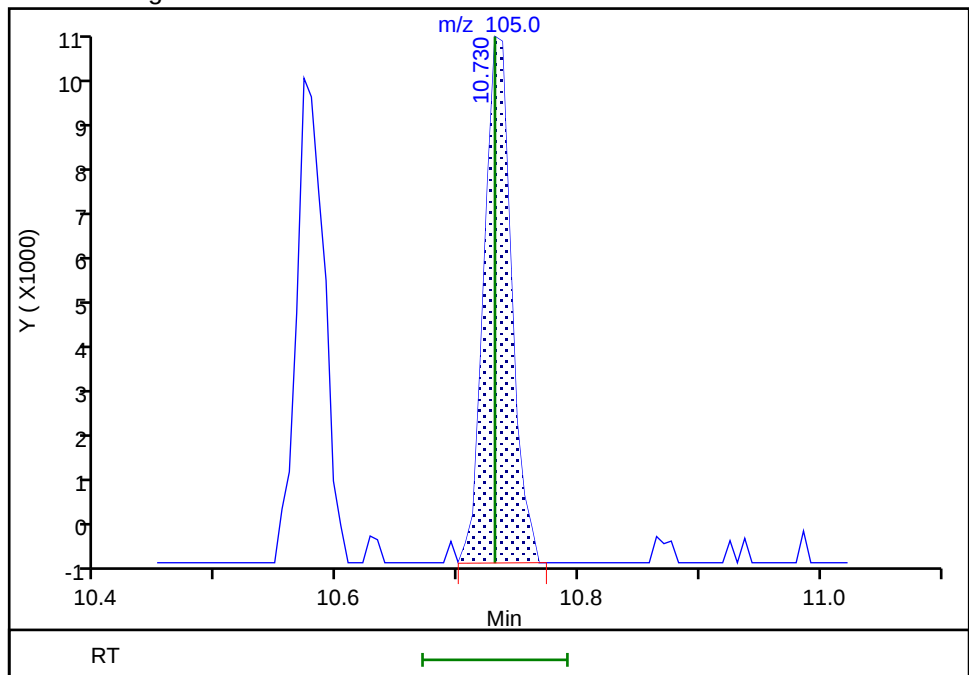
Signal: 1

Not Detected
Expected RT: 10.73

Processing Integration Results



Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:52:24
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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05/17/2019

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42644.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 29-Apr-2019 15:09:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0080635-006
 Operator ID: RF Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Apr-2019 12:01:43 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1003

First Level Reviewer: HillL

Date: 30-Apr-2019 10:55:46

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	5.547	5.547	0.000	99	144491	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.559	0.000	86	292565	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	95	367414	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.963	4.963	0.000	94	214777	25.0	25.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.273	5.273	0.000	95	117591	25.0	25.2	
\$ 5 Toluene-d8 (Surr)	98	7.062	7.068	-0.006	93	692431	25.0	24.5	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	95	265078	25.0	25.0	
10 Dichlorodifluoromethane	85	1.325	1.319	0.006	39	10238	1.00	1.15	
11 Chloromethane	50	1.495	1.502	-0.007	75	16538	1.00	1.09	M
144 Butadiene	54	1.593	1.605	-0.012	94	15677	1.00	1.11	
17 Vinyl chloride	62	1.593	1.605	-0.012	58	11255	1.00	1.04	
12 Bromomethane	94	1.903	1.915	-0.012	31	7048	1.00	1.08	M
13 Chloroethane	64	1.988	2.000	-0.012	44	6479	1.00	1.04	M
19 Dichlorofluoromethane	67	2.232	2.238	-0.006	94	15474	1.00	1.07	
14 Trichlorofluoromethane	101	2.244	2.244	0.000	71	16703	1.00	1.15	M
20 Ethyl ether	59	2.518	2.518	0.000	95	11871	1.00	1.12	
22 Acrolein	56	2.706	2.706	0.000	91	8384	5.00	4.46	
16 1,1,2-Trichloro-1,2,2-trif	101	2.730	2.743	-0.013	0	7468	1.00	0.8766	M
25 1,1-Dichloroethene	96	2.755	2.761	-0.006	91	8298	1.00	1.00	
24 Acetone	43	2.876	2.870	0.006	97	26586	5.00	5.78	
18 Iodomethane	142	2.925	2.931	-0.006	79	15815	1.00	0.9795	
27 Carbon disulfide	76	2.974	2.974	0.000	96	21096	1.00	0.8693	M
28 3-Chloro-1-propene	41	3.126	3.120	0.006	92	19645	1.00	0.9368	
30 Methyl acetate	43	3.175	3.169	0.006	100	23255	2.00	2.11	
31 Methylene Chloride	84	3.296	3.296	0.000	95	13805	1.00	0.8705	
33 2-Methyl-2-propanol	59	3.448	3.448	0.000	91	11884	10.0	9.69	
32 Methyl tert-butyl ether	73	3.491	3.485	0.006	95	29304	1.00	1.15	M
35 trans-1,2-Dichloroethene	96	3.497	3.497	0.000	93	9564	1.00	1.00	
34 Acrylonitrile	53	3.564	3.564	0.000	98	55191	10.0	10.5	
36 Hexane	57	3.692	3.698	-0.006	93	12342	1.00	0.9113	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	3.929	3.929	0.000	96	18899	1.00	1.05	
38 Vinyl acetate	43	3.984	3.984	0.000	97	43388	2.00	1.88	
45 2,2-Dichloropropane	77	4.446	4.452	-0.006	83	6971	1.00	1.05	
43 cis-1,2-Dichloroethene	96	4.483	4.489	-0.006	86	9982	1.00	1.00	
44 2-Butanone (MEK)	43	4.531	4.525	0.006	97	38533	5.00	5.49	
50 Chlorobromomethane	128	4.726	4.732	-0.006	94	7773	1.00	1.29	
51 Tetrahydrofuran	42	4.750	4.744	0.006	80	11198	2.00	2.30	
49 Chloroform	83	4.805	4.805	0.000	96	18498	1.00	1.12	
52 1,1,1-Trichloroethane	97	4.914	4.921	-0.007	75	12997	1.00	1.00	
54 Cyclohexane	56	4.933	4.921	0.012	52	15482	1.00	0.8497	M
55 Carbon tetrachloride	117	5.054	5.054	0.000	0	11474	1.00	0.9445	M
56 1,1-Dichloropropene	75	5.067	5.067	0.000	89	11814	1.00	1.00	
57 Benzene	78	5.273	5.280	-0.007	46	35328	1.00	0.99	
53 Isobutyl alcohol	43	5.304	5.298	0.006	93	13686	25.0	23.0	
60 1,2-Dichloroethane	62	5.352	5.353	-0.001	93	15253	1.00	1.07	
59 n-Heptane	43	5.456	5.450	0.006	85	11111	1.00	0.9315	
62 Trichloroethene	95	5.888	5.888	0.000	94	10181	1.00	1.04	
64 Methylcyclohexane	83	6.003	6.003	0.000	89	10215	1.00	0.8798	
63 1,2-Dichloropropane	63	6.137	6.131	0.006	94	10861	1.00	1.06	
69 Dibromomethane	93	6.283	6.277	0.006	92	7498	1.00	1.23	
68 1,4-Dioxane	88	6.277	6.283	-0.006	0	2497	20.0	21.8	M
70 Dichlorobromomethane	83	6.435	6.429	0.006	95	12030	1.00	1.04	
71 2-Chloroethyl vinyl ether	63	6.709	6.703	0.006	86	5557	1.00	0.9683	
73 cis-1,3-Dichloropropene	75	6.849	6.849	0.000	82	13420	1.00	1.01	
75 4-Methyl-2-pentanone (MIBK)	43	6.995	6.989	0.006	97	83931	5.00	5.90	
76 Toluene	92	7.135	7.135	0.000	97	22663	1.00	1.00	
78 trans-1,3-Dichloropropene	75	7.421	7.415	0.006	94	10905	1.00	0.9464	
77 Ethyl methacrylate	69	7.463	7.457	0.006	87	9175	1.00	0.99	
79 1,1,2-Trichloroethane	83	7.622	7.610	0.012	87	7496	1.00	1.16	
80 Tetrachloroethene	166	7.664	7.664	0.000	91	10069	1.00	0.9637	
82 1,3-Dichloropropane	76	7.774	7.774	0.000	93	14087	1.00	1.11	
83 2-Hexanone	43	7.835	7.835	0.000	96	53370	5.00	5.50	
81 Chlorodibromomethane	129	8.017	8.011	0.006	87	9002	1.00	1.03	
85 Ethylene Dibromide	107	8.114	8.114	0.000	93	8872	1.00	1.06	
87 Chlorobenzene	112	8.595	8.589	0.006	85	29328	1.00	1.12	
89 Ethylbenzene	91	8.674	8.680	-0.006	97	39244	1.00	0.9753	
88 1,1,1,2-Tetrachloroethane	131	8.686	8.692	-0.006	51	9489	1.00	0.9796	
90 m-Xylene & p-Xylene	106	8.808	8.802	0.006	96	13060	1.00	0.8540	
93 o-Xylene	106	9.234	9.228	0.006	93	15286	1.00	0.9741	
94 Styrene	104	9.258	9.258	0.000	93	23963	1.00	0.8722	M
92 Bromoform	173	9.520	9.514	0.006	94	5176	1.00	0.8974	
95 Isopropylbenzene	105	9.611	9.611	0.000	94	40661	1.00	1.00	
100 Bromobenzene	156	9.964	9.958	0.006	87	13733	1.00	1.07	
97 1,1,2,2-Tetrachloroethane	83	10.013	10.013	-0.001	92	11220	1.00	1.05	
99 N-Propylbenzene	91	10.031	10.031	0.000	99	45022	1.00	0.9625	
101 1,2,3-Trichloropropane	110	10.055	10.049	0.006	83	4330	1.00	1.21	
98 trans-1,4-Dichloro-2-buten	53	10.061	10.061	0.000	56	2695	1.00	1.14	
103 2-Chlorotoluene	126	10.146	10.140	0.006	96	11422	1.00	1.06	
102 1,3,5-Trimethylbenzene	105	10.207	10.207	0.000	96	31669	1.00	0.9233	
105 4-Chlorotoluene	126	10.256	10.250	0.006	96	9557	1.00	0.8636	
106 tert-Butylbenzene	134	10.524	10.524	0.000	95	6771	1.00	0.8936	
107 1,2,4-Trimethylbenzene	105	10.578	10.578	0.000	97	32350	1.00	0.9164	

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	10.736	10.730	0.006	92	32250	1.00	0.8584	
112 4-Isopropyltoluene	119	10.870	10.870	0.000	94	28350	1.00	0.8262	
110 1,3-Dichlorobenzene	146	10.870	10.870	0.000	86	23598	1.00	1.02	
111 1,4-Dichlorobenzene	146	10.962	10.962	0.000	90	24386	1.00	1.03	
115 n-Butylbenzene	91	11.260	11.254	0.006	94	25812	1.00	0.9316	
116 1,2-Dichlorobenzene	146	11.314	11.308	0.006	95	23455	1.00	1.02	
117 1,2-Dibromo-3-Chloropropan	75	12.038	12.044	-0.006	1	1414	1.00	0.8495	
119 1,2,4-Trichlorobenzene	180	12.714	12.714	0.000	92	13442	1.00	0.9645	
120 Hexachlorobutadiene	225	12.817	12.817	0.000	85	4963	1.00	1.00	
121 Naphthalene	128	12.933	12.927	0.006	97	32011	1.00	0.8989	
122 1,2,3-Trichlorobenzene	180	13.133	13.127	0.006	92	14238	1.00	1.10	
S 126 Xylenes, Total	1				0			1.83	
S 123 1,2-Dichloroethene, Total	1				0			2.01	
S 125 Total BTEX	1				0			4.80	
S 124 1,3-Dichloropropene, Total	1				0			1.95	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00154

Amount Added: 1.00

Units: uL

GAS CORP mix_00338

Amount Added: 1.00

Units: uL

P 8260 IS_00370

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00338

Amount Added: 1.25

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42644.D

Injection Date: 29-Apr-2019 15:09:30

Instrument ID: HP5973P

Operator ID: RF

Lims ID: IC 2

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

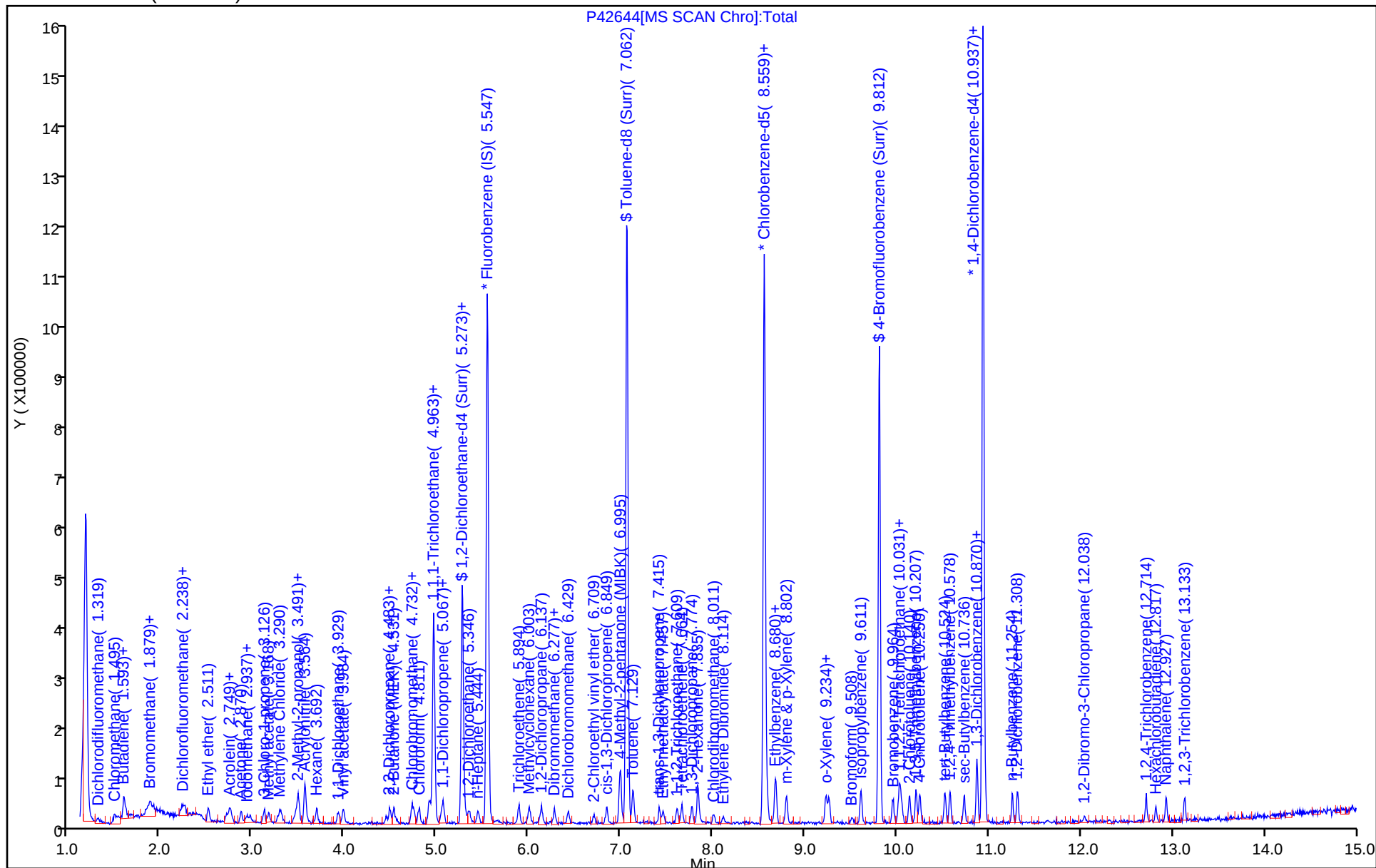
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

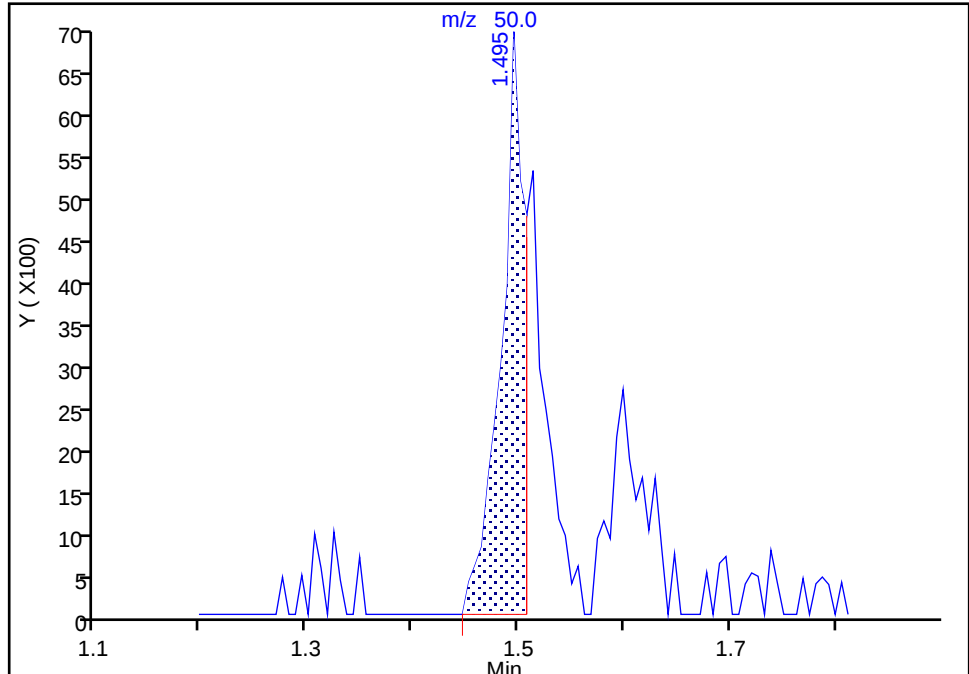
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Injection Date: 29-Apr-2019 15:09:30 Instrument ID: HP5973P
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

11 Chloromethane, CAS: 74-87-3

Signal: 1

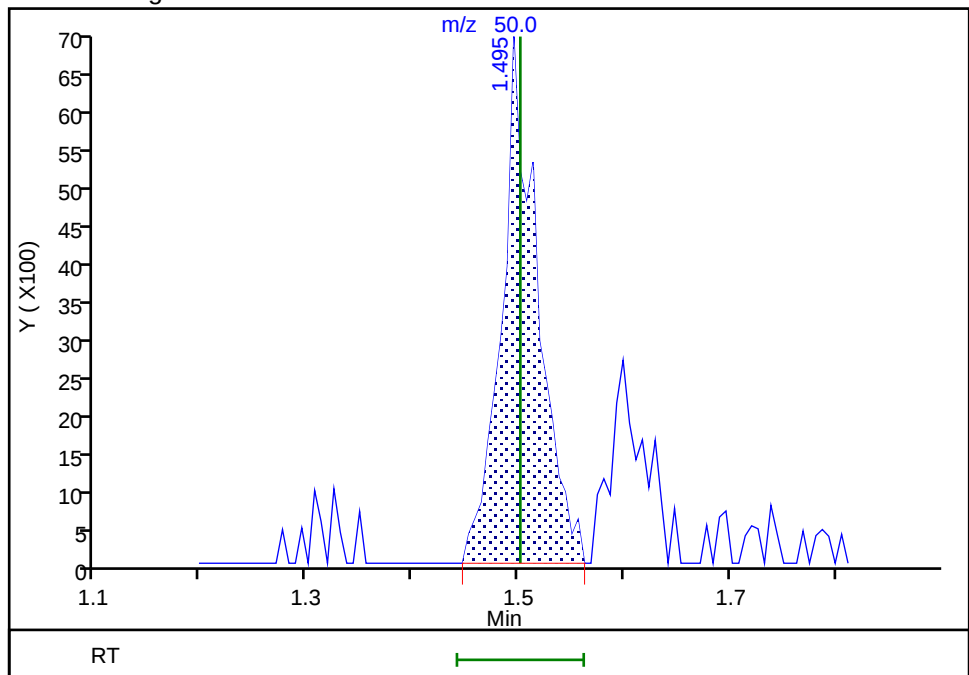
RT: 1.50
Area: 10815
Amount: 0.751661
Amount Units: ug/L

Processing Integration Results



RT: 1.50
Area: 16538
Amount: 1.087619
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:53:03
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

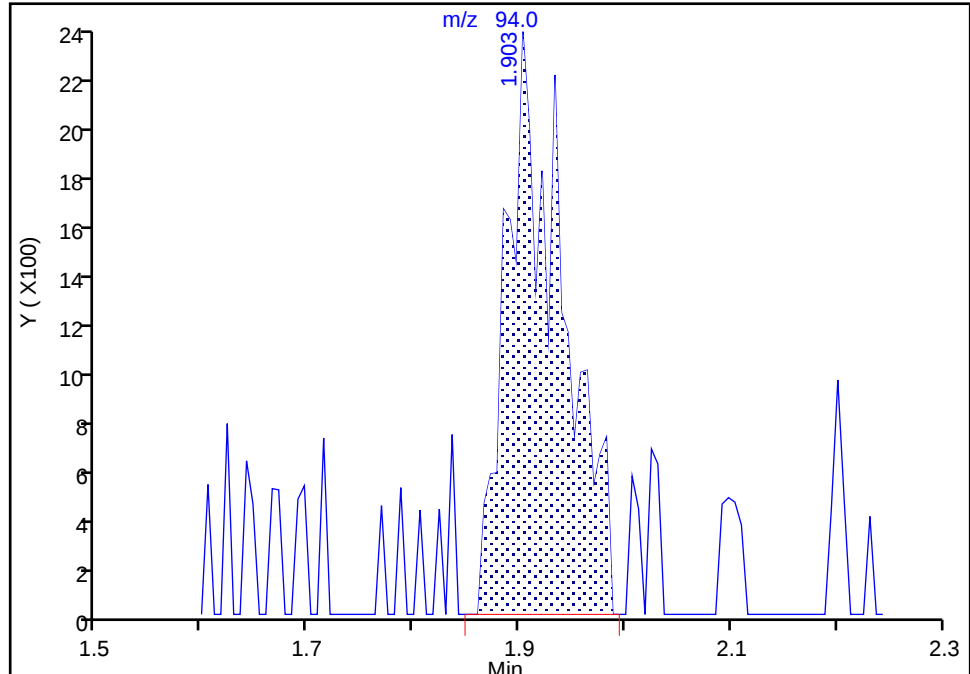
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Injection Date: 29-Apr-2019 15:09:30 Instrument ID: HP5973P
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

12 Bromomethane, CAS: 74-83-9

Signal: 1

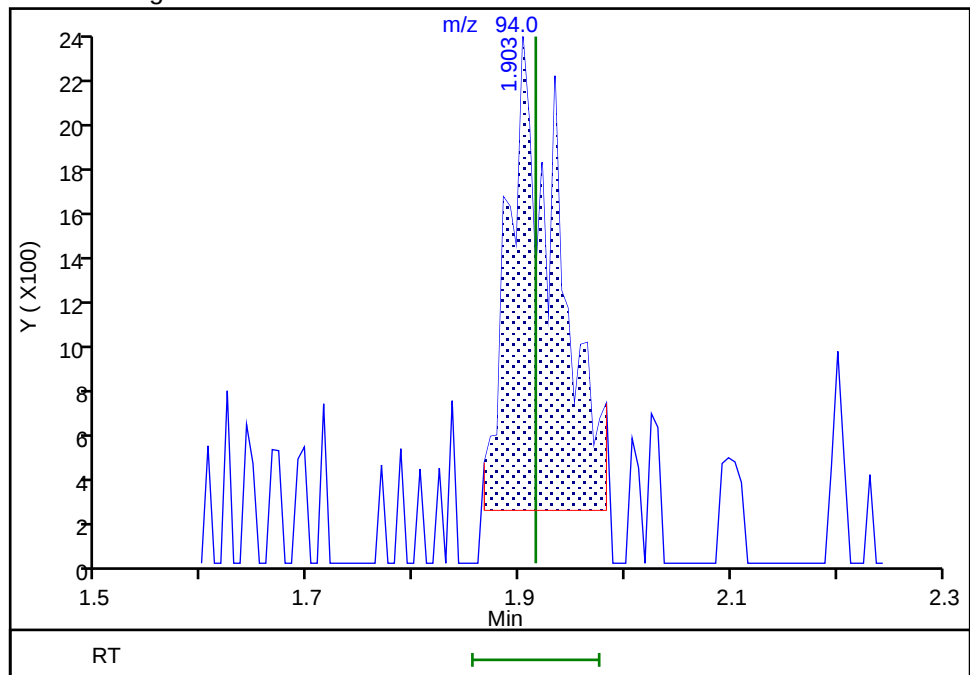
RT: 1.90
Area: 8800
Amount: 1.272970
Amount Units: ug/L

Processing Integration Results



RT: 1.90
Area: 7048
Amount: 1.077301
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:53:13
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

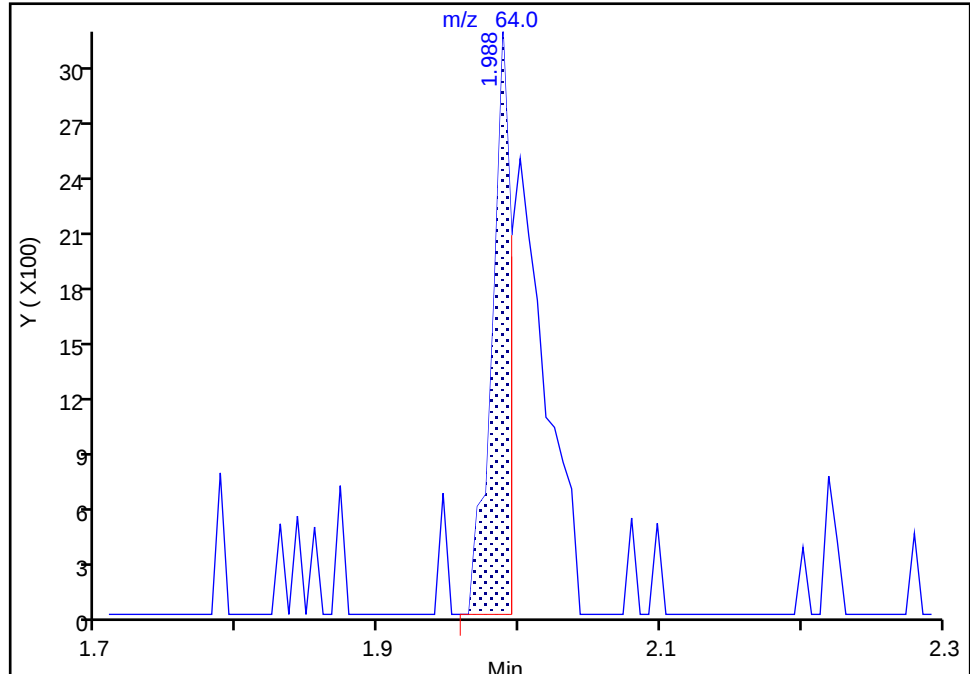
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Injection Date: 29-Apr-2019 15:09:30 Instrument ID: HP5973P
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

13 Chloroethane, CAS: 75-00-3

Signal: 1

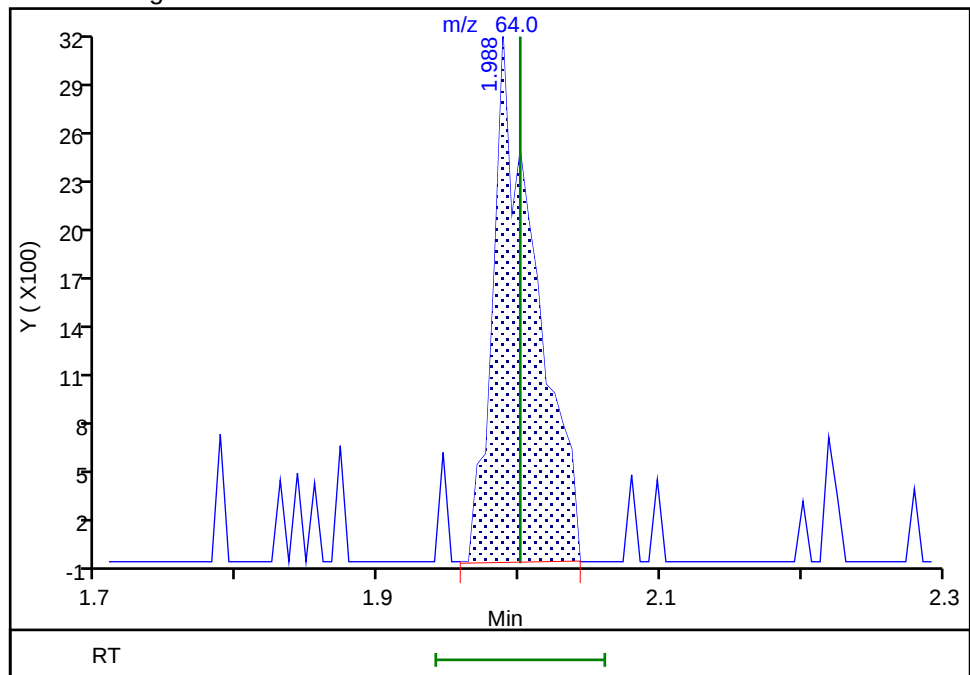
RT: 1.99
Area: 2948
Amount: 0.509107
Amount Units: ug/L

Processing Integration Results



RT: 1.99
Area: 6479
Amount: 1.035647
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:53:30
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42644.D

Injection Date: 29-Apr-2019 15:09:30

Instrument ID: HP5973P

Lims ID: IC 2

Client ID:

Operator ID: RF

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

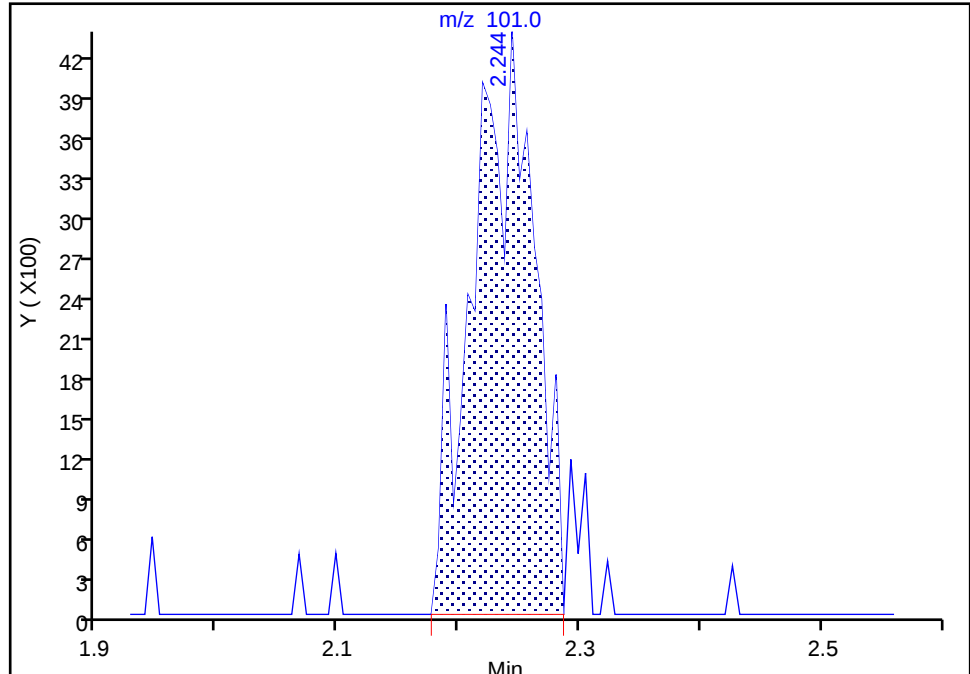
Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

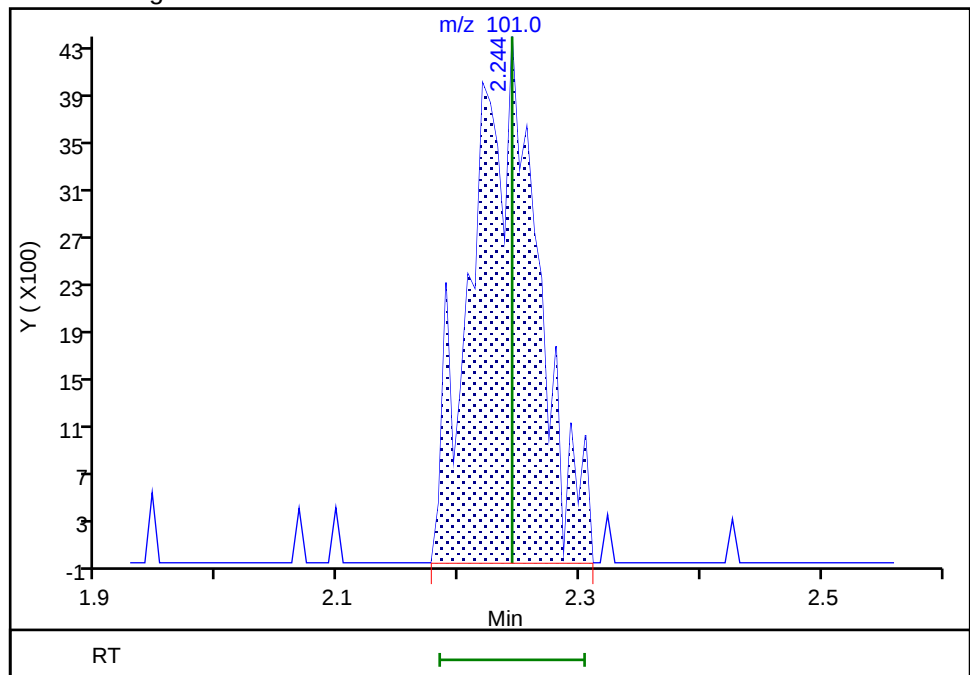
RT: 2.24
Area: 15686
Amount: 1.093636
Amount Units: ug/L

Processing Integration Results



RT: 2.24
Area: 16703
Amount: 1.152864
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:53:42

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42644.D

Injection Date: 29-Apr-2019 15:09:30

Instrument ID: HP5973P

Lims ID: IC 2

Client ID:

Operator ID: RF

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

MS SCAN

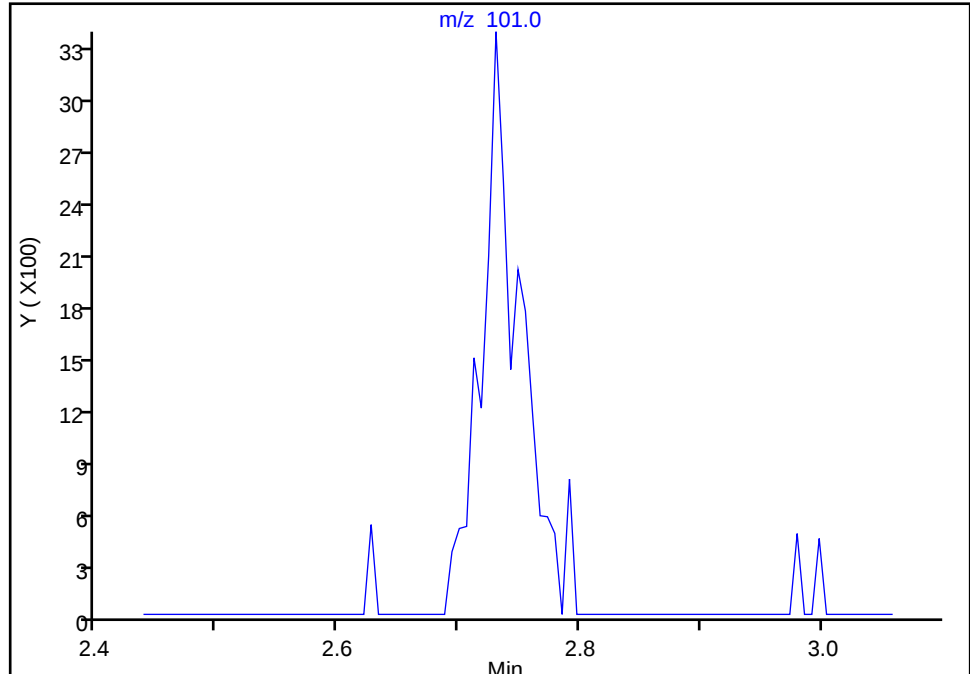
16 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

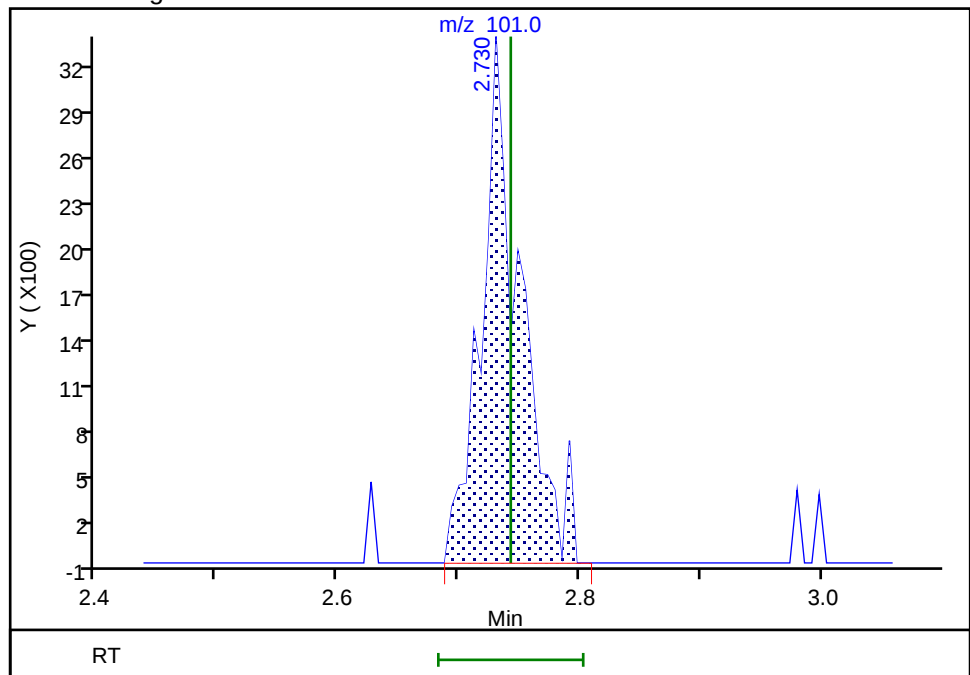
Not Detected

Expected RT: 2.74

Processing Integration Results



Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:53:54

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42644.D

Injection Date: 29-Apr-2019 15:09:30

Instrument ID: HP5973P

Lims ID: IC 2

Client ID:

Operator ID: RF

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

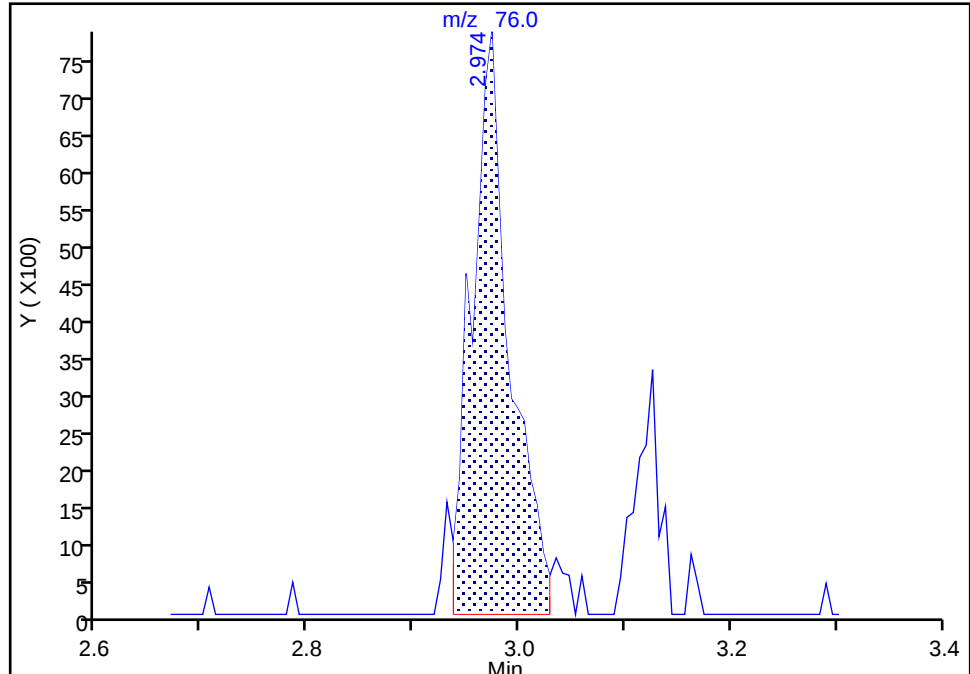
Detector: MS SCAN

27 Carbon disulfide, CAS: 75-15-0

Signal: 1

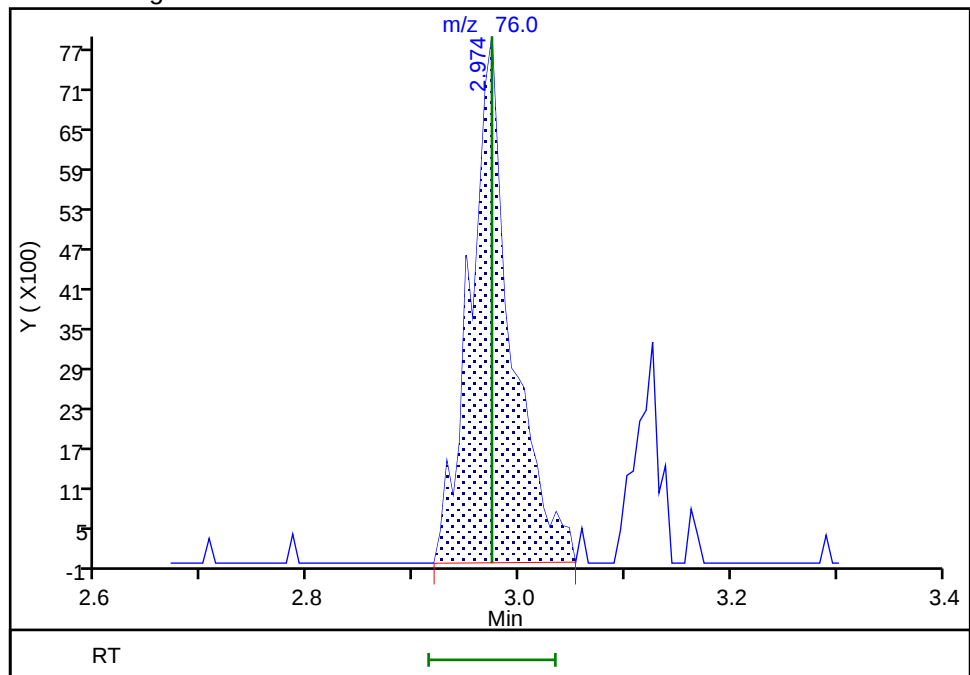
RT: 2.97
Area: 19746
Amount: 0.872616
Amount Units: ug/L

Processing Integration Results



RT: 2.97
Area: 21096
Amount: 0.869299
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:54:08

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42644.D

Injection Date: 29-Apr-2019 15:09:30

Instrument ID: HP5973P

Lims ID: IC 2

Client ID:

Operator ID: RF

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

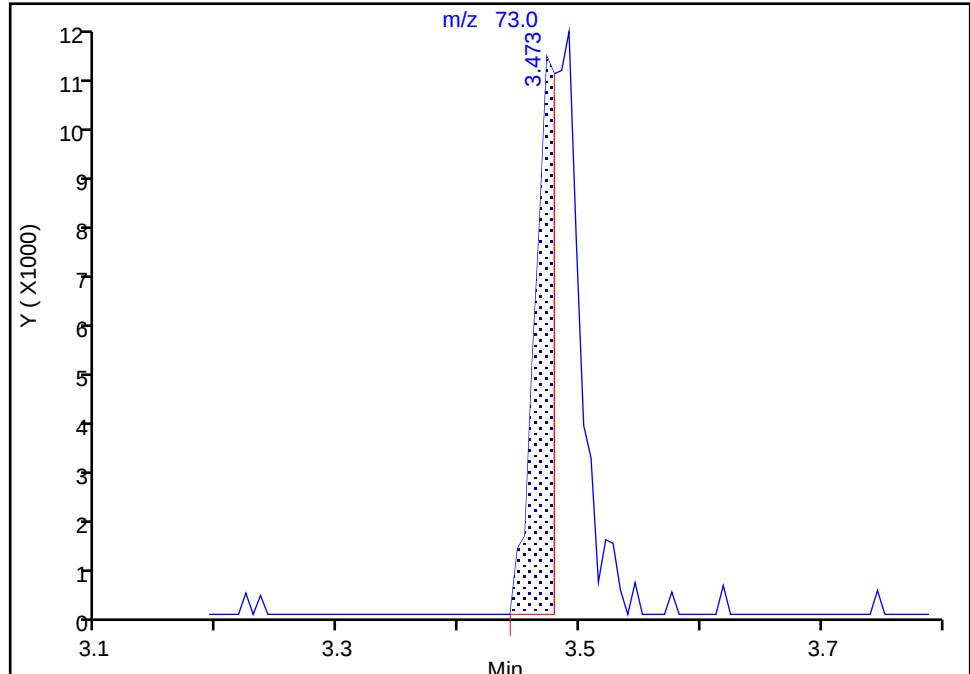
MS SCAN

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

Signal: 1

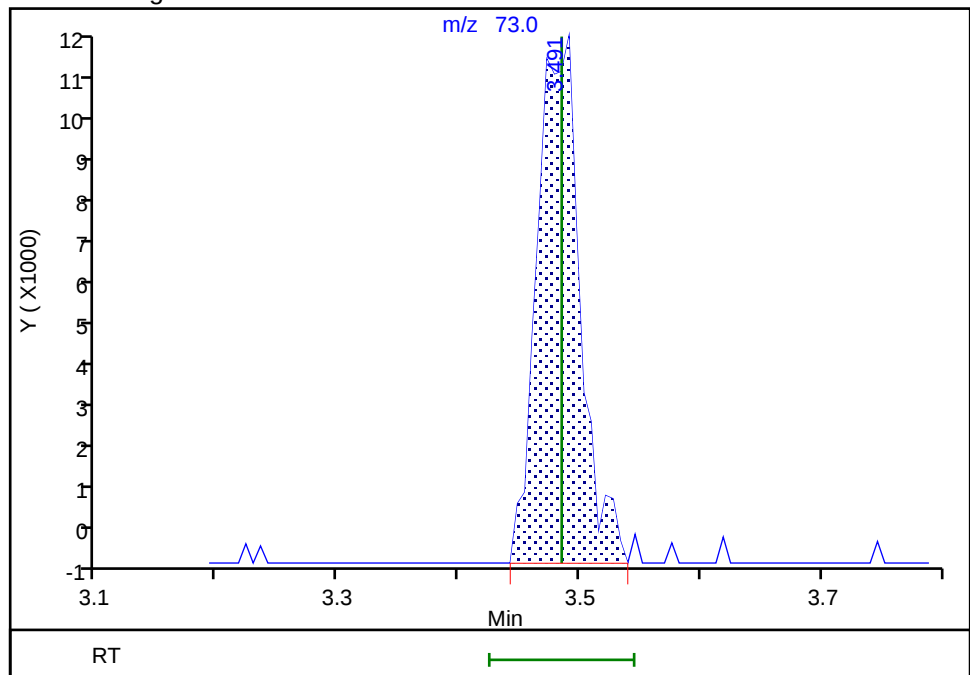
RT: 3.47
Area: 14037
Amount: 0.601071
Amount Units: ug/L

Processing Integration Results



RT: 3.49
Area: 29304
Amount: 1.147632
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:54:23

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42644.D

Injection Date: 29-Apr-2019 15:09:30

Instrument ID: HP5973P

Lims ID: IC 2

Client ID:

Operator ID: RF

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

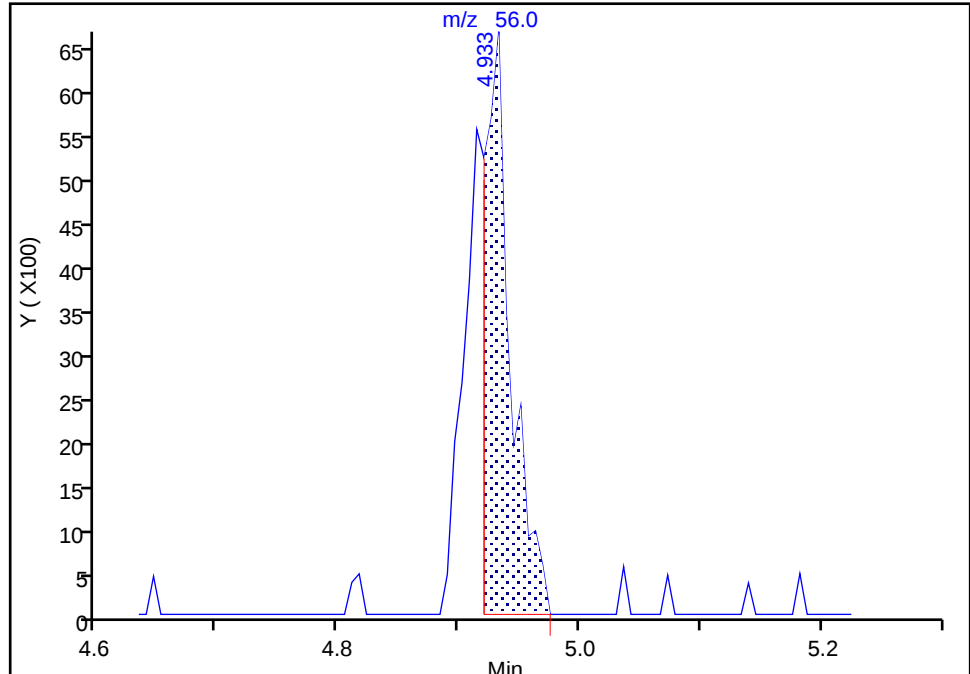
Detector: MS SCAN

54 Cyclohexane, CAS: 110-82-7

Signal: 1

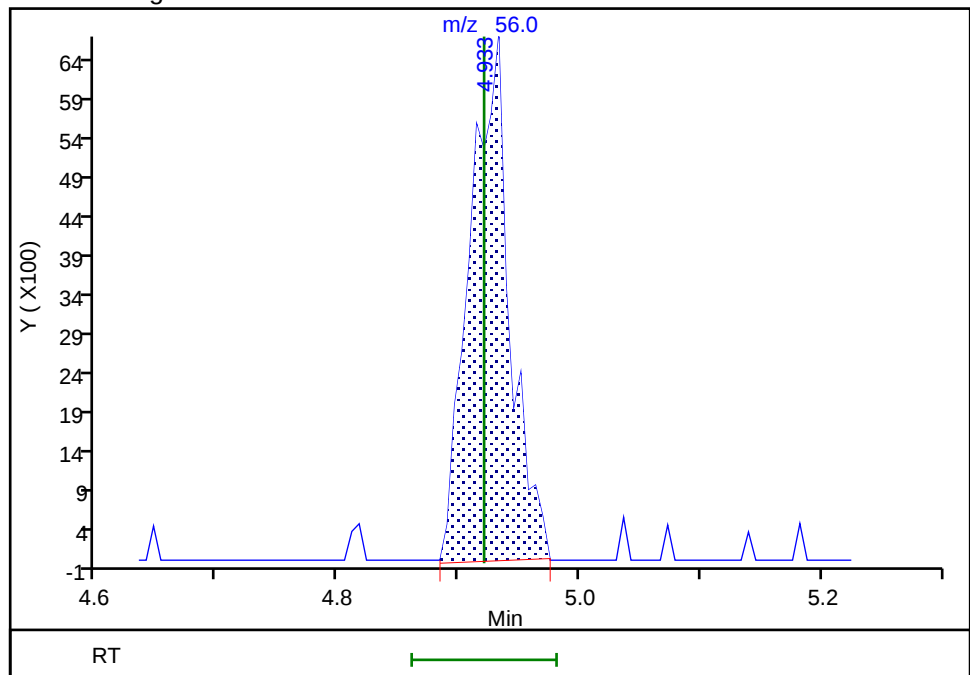
RT: 4.93
Area: 10143
Amount: 0.739949
Amount Units: ug/L

Processing Integration Results



RT: 4.93
Area: 15482
Amount: 0.849693
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:54:40

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

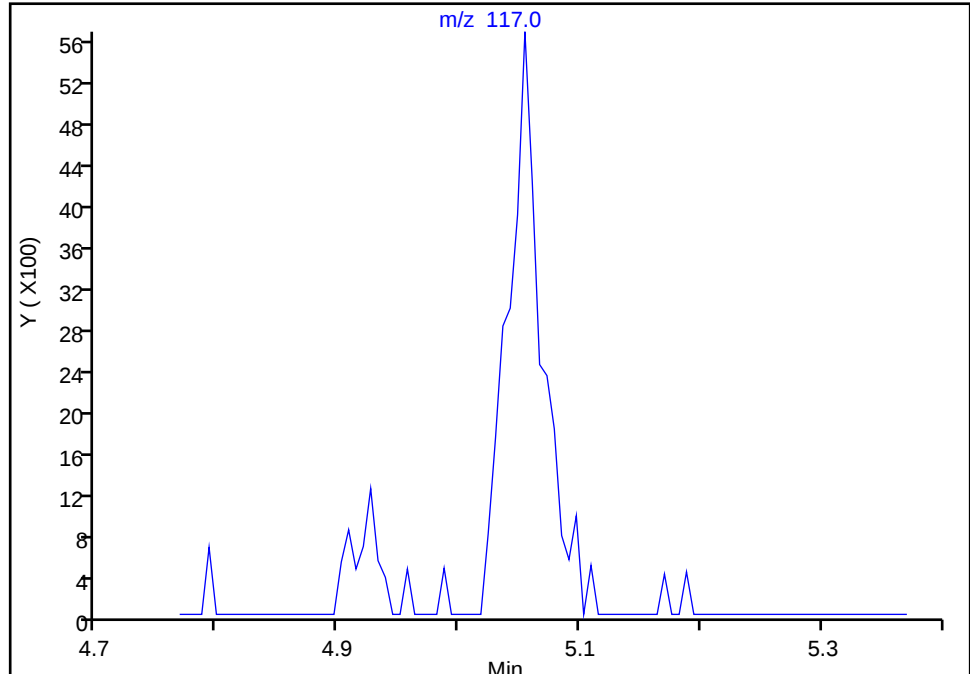
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Injection Date: 29-Apr-2019 15:09:30 Instrument ID: HP5973P
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

55 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

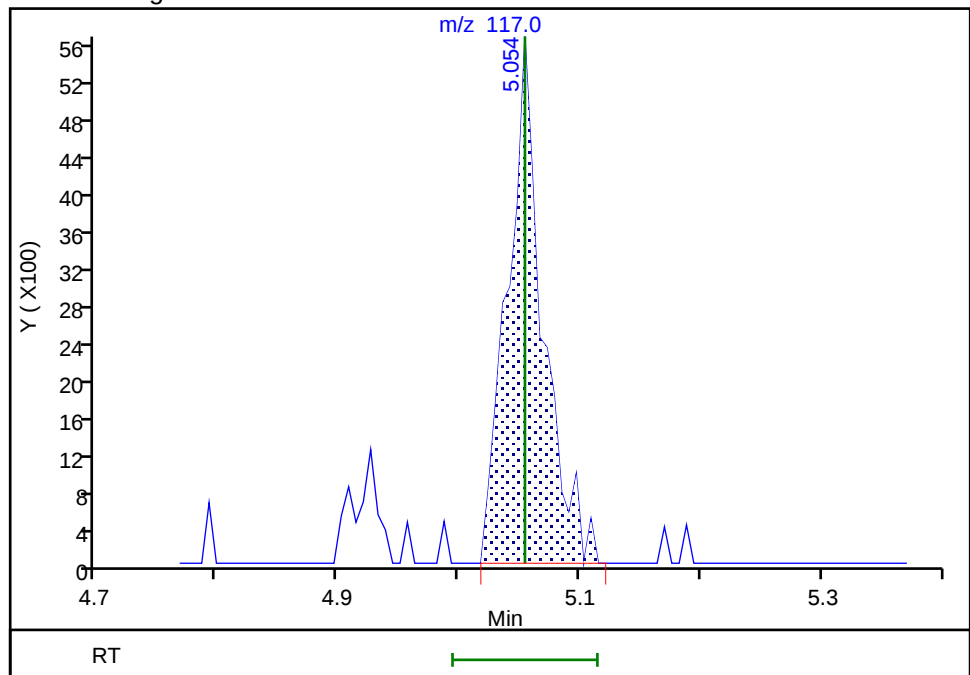
Not Detected
Expected RT: 5.05

Processing Integration Results



RT: 5.05
Area: 11474
Amount: 0.944486
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:54:47
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 153 of 249

05/17/2019

Eurofins TestAmerica, Buffalo

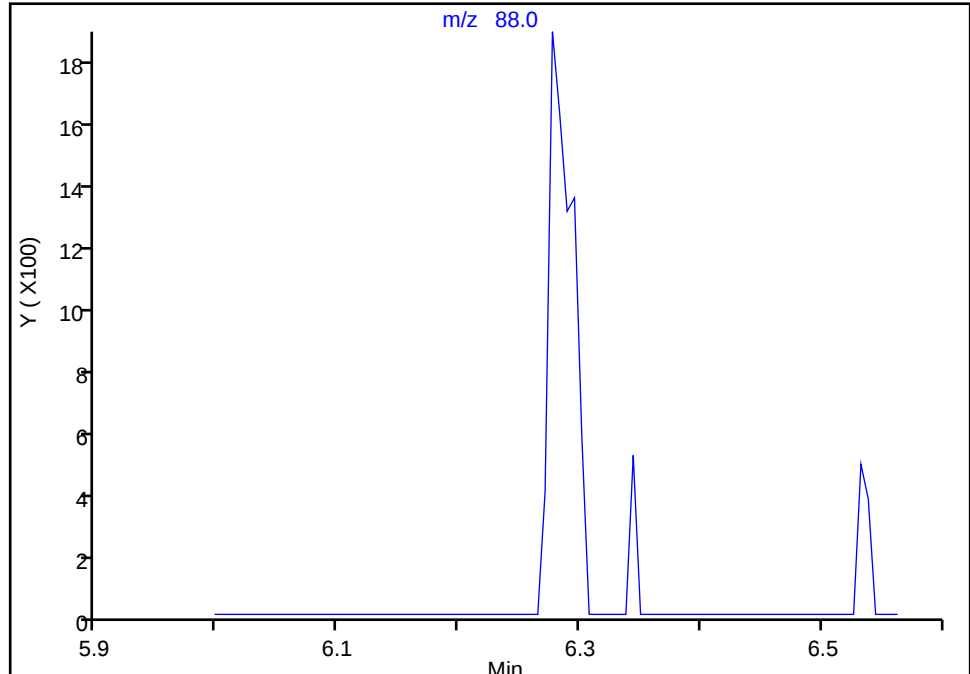
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Injection Date: 29-Apr-2019 15:09:30 Instrument ID: HP5973P
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

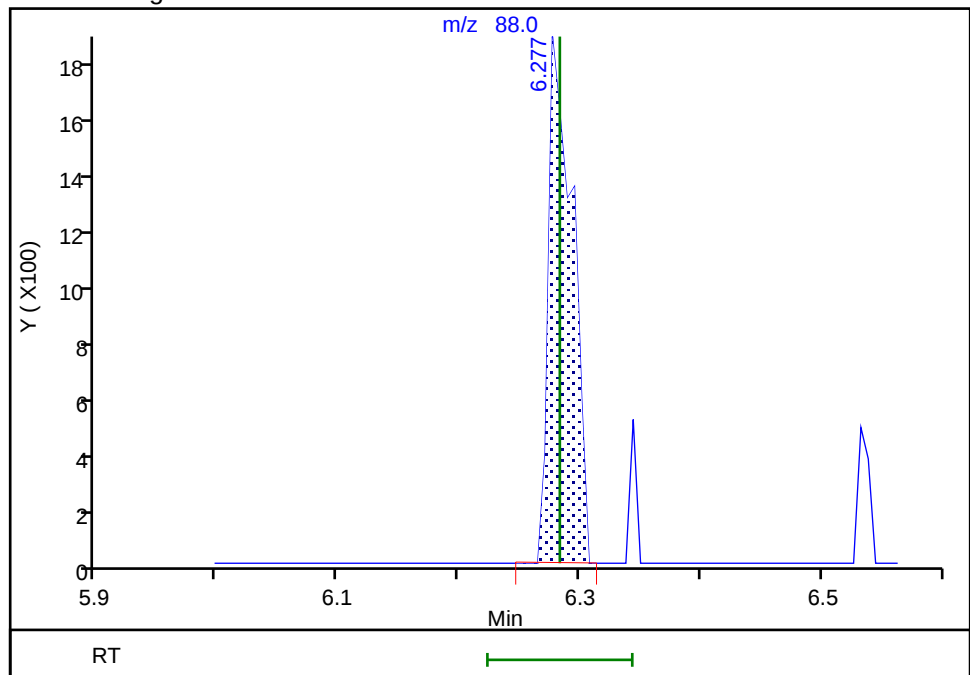
Not Detected
Expected RT: 6.28

Processing Integration Results



RT: 6.28
Area: 2497
Amount: 21.770594
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:55:08
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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05/17/2019

Eurofins TestAmerica, Buffalo

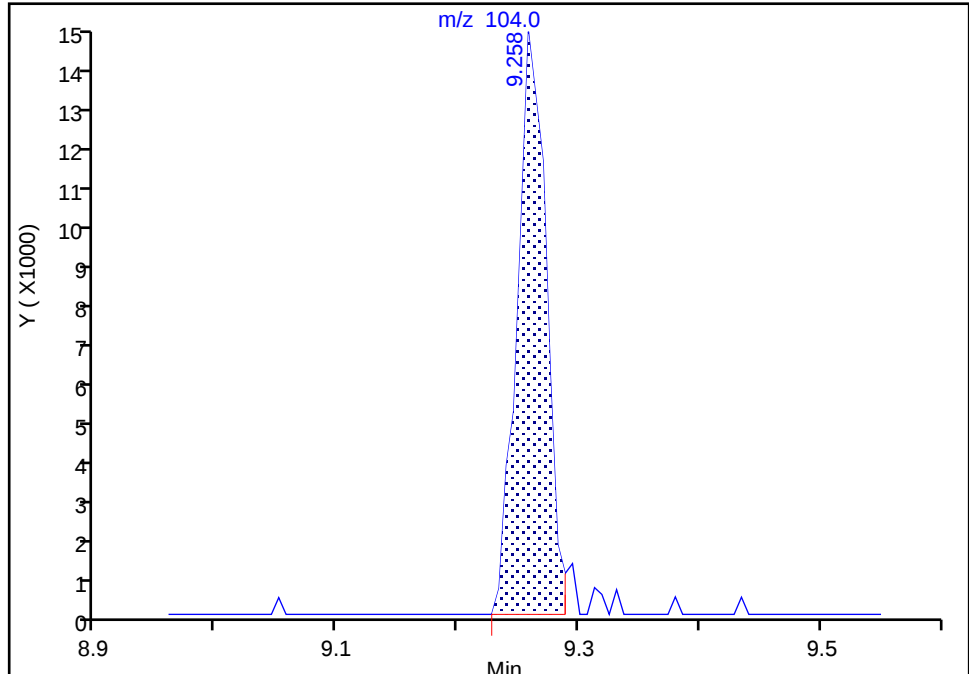
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Injection Date: 29-Apr-2019 15:09:30 Instrument ID: HP5973P
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

94 Styrene, CAS: 100-42-5

Signal: 1

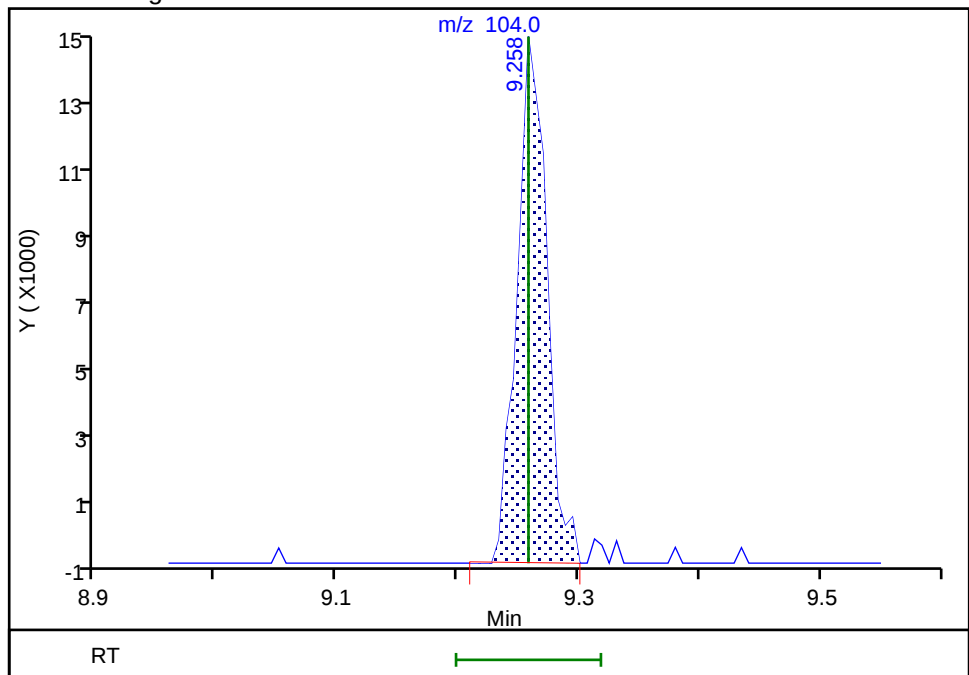
RT: 9.26
Area: 23607
Amount: 0.884273
Amount Units: ug/L

Processing Integration Results



RT: 9.26
Area: 23963
Amount: 0.872206
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:55:32
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 155 of 249

05/17/2019

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42645.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 29-Apr-2019 15:34:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0080635-007
 Operator ID: RF Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Apr-2019 12:01:51 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1003

First Level Reviewer: HillL

Date: 30-Apr-2019 10:56:29

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	5.547	5.547	0.000	99	140350	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.559	0.000	87	292879	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	94	369338	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.963	4.963	0.000	93	218739	25.0	26.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.273	5.273	0.000	90	117692	25.0	25.9	
\$ 5 Toluene-d8 (Surr)	98	7.062	7.068	-0.006	93	710712	25.0	25.2	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	95	266691	25.0	25.1	
10 Dichlorodifluoromethane	85	1.307	1.319	-0.012	98	45461	5.00	5.24	
11 Chloromethane	50	1.502	1.502	0.000	100	76993	5.00	5.21	
144 Butadiene	54	1.599	1.605	-0.006	99	71691	5.00	5.25	
17 Vinyl chloride	62	1.593	1.605	-0.012	62	54975	5.00	5.21	
12 Bromomethane	94	1.927	1.915	0.012	94	30750	5.00	4.84	M
13 Chloroethane	64	2.007	2.000	0.007	94	30321	5.00	4.99	M
19 Dichlorofluoromethane	67	2.238	2.238	0.000	93	73047	5.00	5.18	
14 Trichlorofluoromethane	101	2.250	2.244	0.006	80	71139	5.00	5.05	
20 Ethyl ether	59	2.518	2.518	0.000	96	55394	5.00	5.40	
22 Acrolein	56	2.712	2.706	0.006	97	51672	25.0	28.3	
16 1,1,2-Trichloro-1,2,2-trif	101	2.743	2.743	0.000	80	45302	5.00	5.47	
25 1,1-Dichloroethene	96	2.755	2.761	-0.006	95	41626	5.00	5.14	
24 Acetone	43	2.870	2.870	0.000	98	116247	25.0	26.0	
18 Iodomethane	142	2.931	2.931	0.000	99	84885	5.00	5.41	
27 Carbon disulfide	76	2.974	2.974	0.000	99	127516	5.00	5.41	M
28 3-Chloro-1-propene	41	3.120	3.120	0.000	88	101392	5.00	4.98	M
30 Methyl acetate	43	3.175	3.169	0.006	100	109926	10.0	10.3	M
31 Methylene Chloride	84	3.290	3.296	-0.006	93	54017	5.00	5.53	
33 2-Methyl-2-propanol	59	3.448	3.448	0.000	97	58659	50.0	49.3	
32 Methyl tert-butyl ether	73	3.485	3.485	0.000	96	123859	5.00	4.99	
35 trans-1,2-Dichloroethene	96	3.497	3.497	0.000	95	50870	5.00	5.49	
34 Acrylonitrile	53	3.564	3.564	0.000	99	259358	50.0	50.9	
36 Hexane	57	3.692	3.698	-0.006	95	69927	5.00	5.32	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	3.923	3.929	-0.006	96	93323	5.00	5.33	
38 Vinyl acetate	43	3.984	3.984	0.000	97	192991	10.0	8.63	
45 2,2-Dichloropropane	77	4.446	4.452	-0.006	80	29990	5.00	4.65	
43 cis-1,2-Dichloroethene	96	4.489	4.489	0.000	81	50586	5.00	5.23	
44 2-Butanone (MEK)	43	4.531	4.525	0.006	98	169832	25.0	24.9	
50 Chlorobromomethane	128	4.726	4.732	-0.006	92	29109	5.00	4.96	
51 Tetrahydrofuran	42	4.744	4.744	0.000	91	47208	10.0	10.0	
49 Chloroform	83	4.805	4.805	0.000	96	82347	5.00	5.12	
52 1,1,1-Trichloroethane	97	4.914	4.921	-0.007	79	69656	5.00	5.54	
54 Cyclohexane	56	4.921	4.921	0.000	93	99761	5.00	5.64	
55 Carbon tetrachloride	117	5.054	5.054	0.000	89	62197	5.00	5.27	
56 1,1-Dichloropropene	75	5.073	5.067	0.006	89	62485	5.00	5.47	
57 Benzene	78	5.280	5.280	0.000	77	178327	5.00	5.17	
53 Isobutyl alcohol	43	5.304	5.298	0.006	90	67268	125.0	116.2	
60 1,2-Dichloroethane	62	5.346	5.353	-0.007	94	70135	5.00	5.05	
59 n-Heptane	43	5.444	5.450	-0.006	94	65476	5.00	5.65	
62 Trichloroethene	95	5.894	5.888	0.006	94	50066	5.00	5.28	
64 Methylcyclohexane	83	6.010	6.003	0.007	97	60295	5.00	5.35	
63 1,2-Dichloropropane	63	6.137	6.131	0.006	87	51059	5.00	5.12	
69 Dibromomethane	93	6.277	6.277	0.000	90	30532	5.00	5.15	
68 1,4-Dioxane	88	6.277	6.283	-0.006	40	7431	100.0	83.2	
70 Dichlorobromomethane	83	6.423	6.429	-0.006	95	58510	5.00	5.23	
71 2-Chloroethyl vinyl ether	63	6.703	6.703	0.000	91	29441	5.00	5.28	
73 cis-1,3-Dichloropropene	75	6.849	6.849	0.000	88	67698	5.00	5.23	
75 4-Methyl-2-pentanone (MIBK)	43	6.989	6.989	0.000	99	342047	25.0	24.0	
76 Toluene	92	7.129	7.135	-0.006	97	113966	5.00	5.01	
78 trans-1,3-Dichloropropene	75	7.415	7.415	0.000	95	55931	5.00	4.85	
77 Ethyl methacrylate	69	7.464	7.457	0.007	90	41996	5.00	4.53	
79 1,1,2-Trichloroethane	83	7.610	7.610	0.000	92	33153	5.00	5.11	
80 Tetrachloroethene	166	7.664	7.664	0.000	93	53366	5.00	5.10	
82 1,3-Dichloropropane	76	7.774	7.774	0.000	91	64201	5.00	5.06	
83 2-Hexanone	43	7.835	7.835	0.000	97	245321	25.0	25.2	
81 Chlorodibromomethane	129	8.011	8.011	0.000	88	42236	5.00	4.81	
85 Ethylene Dibromide	107	8.108	8.114	-0.006	97	44802	5.00	5.32	
87 Chlorobenzene	112	8.589	8.589	0.000	95	134528	5.00	5.12	
89 Ethylbenzene	91	8.680	8.680	0.000	99	203205	5.00	5.04	
88 1,1,1,2-Tetrachloroethane	131	8.686	8.692	-0.006	92	46740	5.00	4.82	
90 m-Xylene & p-Xylene	106	8.796	8.802	-0.006	98	78170	5.00	5.11	
93 o-Xylene	106	9.228	9.228	0.000	94	80903	5.00	5.15	
94 Styrene	104	9.264	9.258	0.006	96	139480	5.00	5.07	
92 Bromoform	173	9.514	9.514	0.000	96	27565	5.00	4.77	
95 Isopropylbenzene	105	9.611	9.611	0.000	96	200920	5.00	4.92	
100 Bromobenzene	156	9.958	9.958	0.000	85	63171	5.00	4.90	
97 1,1,2,2-Tetrachloroethane	83	10.013	10.013	0.000	97	56935	5.00	5.32	
99 N-Propylbenzene	91	10.031	10.031	0.000	99	238765	5.00	5.08	
101 1,2,3-Trichloropropane	110	10.043	10.049	-0.006	91	19518	5.00	5.43	
98 trans-1,4-Dichloro-2-buten	53	10.061	10.061	0.000	74	17479	5.00	4.44	
103 2-Chlorotoluene	126	10.140	10.140	0.000	97	50977	5.00	4.72	
102 1,3,5-Trimethylbenzene	105	10.207	10.207	0.000	95	166363	5.00	4.82	
105 4-Chlorotoluene	126	10.250	10.250	0.000	97	57061	5.00	5.13	
106 tert-Butylbenzene	134	10.524	10.524	0.000	93	38719	5.00	5.08	
107 1,2,4-Trimethylbenzene	105	10.578	10.578	0.000	97	174078	5.00	4.91	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.730	10.730	0.000	94	194013	5.00	5.14	
112 4-Isopropyltoluene	119	10.870	10.870	0.000	95	171837	5.00	4.98	
110 1,3-Dichlorobenzene	146	10.876	10.870	0.006	93	119598	5.00	5.13	
111 1,4-Dichlorobenzene	146	10.962	10.962	0.000	96	116672	5.00	4.89	
115 n-Butylbenzene	91	11.254	11.254	0.000	97	134310	5.00	4.82	
116 1,2-Dichlorobenzene	146	11.314	11.308	0.006	98	117416	5.00	5.06	
117 1,2-Dibromo-3-Chloropropan	75	12.044	12.044	0.000	75	8048	5.00	4.81	
119 1,2,4-Trichlorobenzene	180	12.714	12.714	0.000	94	66313	5.00	4.73	
120 Hexachlorobutadiene	225	12.817	12.817	0.000	94	22699	5.00	4.56	
121 Naphthalene	128	12.927	12.927	0.000	97	160532	5.00	4.48	
122 1,2,3-Trichlorobenzene	180	13.127	13.127	0.000	93	58516	5.00	4.52	
S 126 Xylenes, Total	1				0			10.3	
S 123 1,2-Dichloroethene, Total	1				0			10.7	
S 125 Total BTEX	1				0			25.5	
S 124 1,3-Dichloropropene, Total	1				0			10.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00154

Amount Added: 5.00

Units: uL

GAS CORP mix_00338

Amount Added: 5.00

Units: uL

P 8260 IS_00370

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00338

Amount Added: 1.25

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42645.D

Injection Date: 29-Apr-2019 15:34:30

Instrument ID: HP5973P

Operator ID: RF

Lims ID: IC 3

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

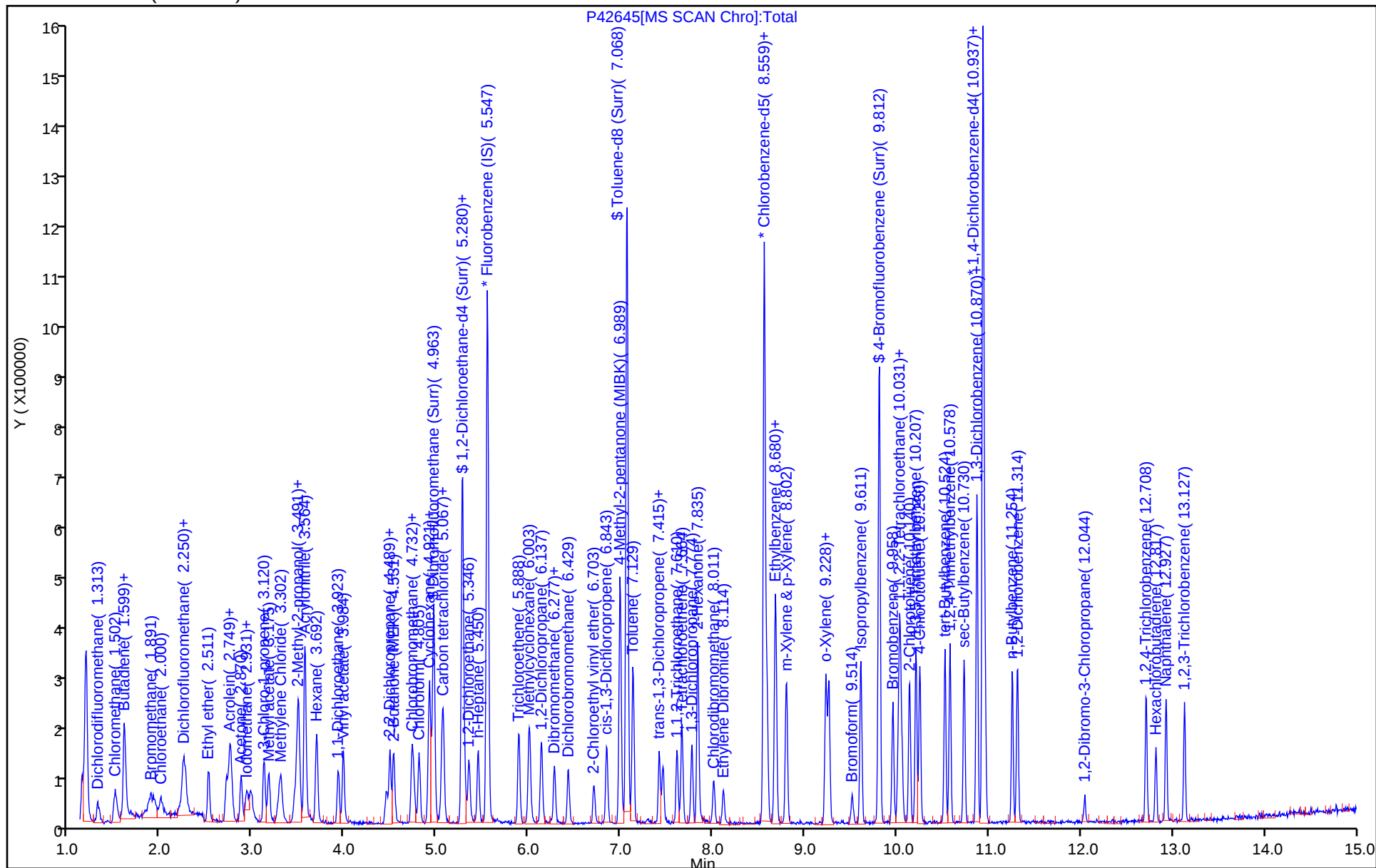
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42645.D

Injection Date: 29-Apr-2019 15:34:30

Instrument ID: HP5973P

Lims ID: IC 3

Client ID:

Operator ID: RF

ALS Bottle#:

6

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

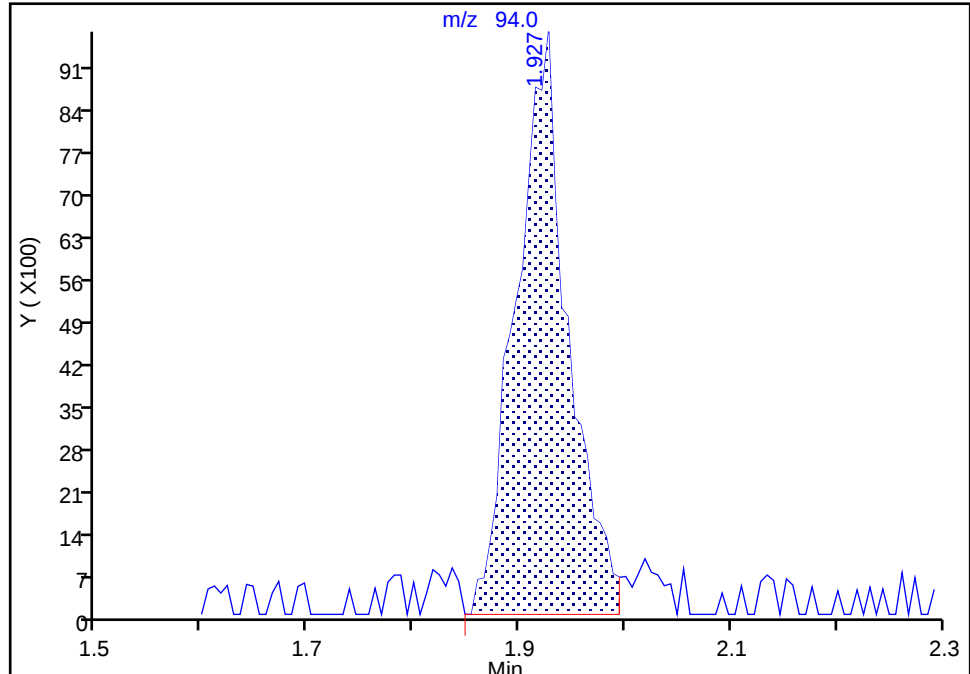
Detector: MS SCAN

12 Bromomethane, CAS: 74-83-9

Signal: 1

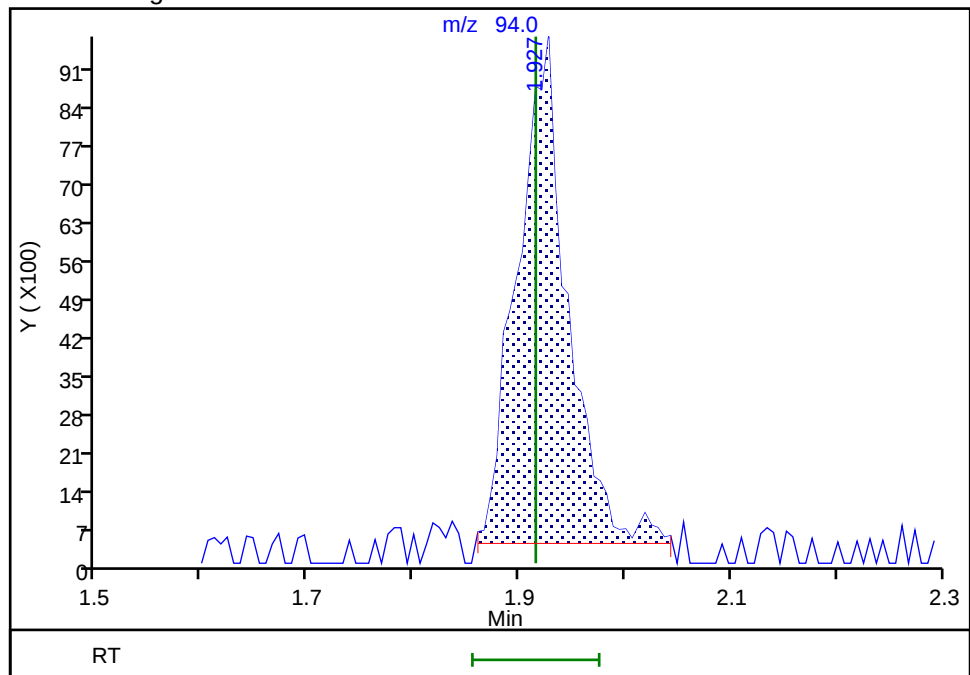
RT: 1.93
Area: 33043
Amount: 5.137911
Amount Units: ug/L

Processing Integration Results



RT: 1.93
Area: 30750
Amount: 4.838877
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:56:53

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

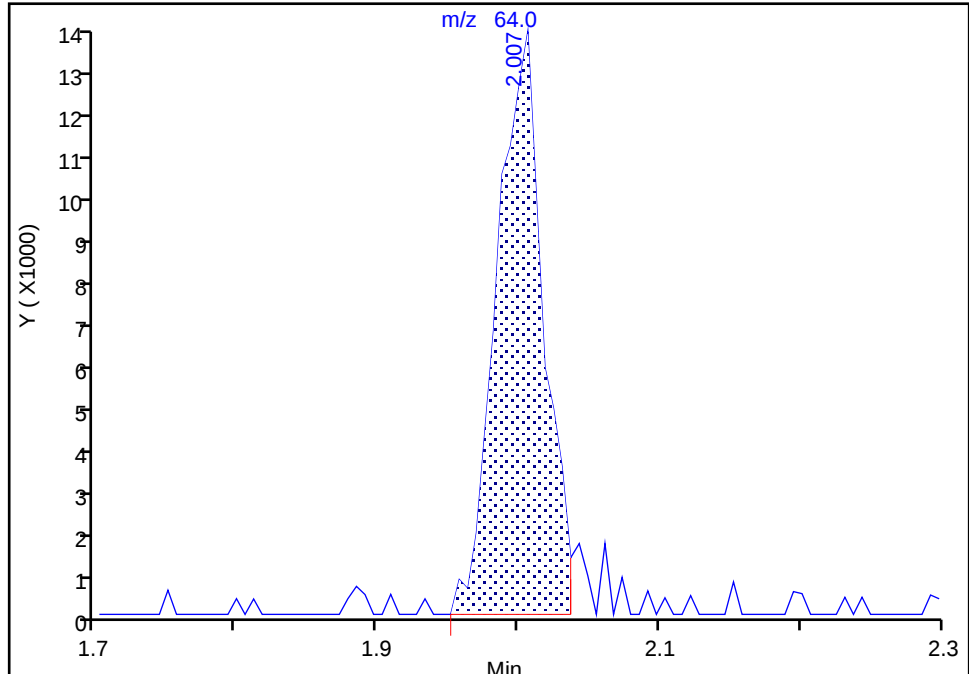
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Injection Date: 29-Apr-2019 15:34:30 Instrument ID: HP5973P
Lims ID: IC 3
Client ID:
Operator ID: RF ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

13 Chloroethane, CAS: 75-00-3

Signal: 1

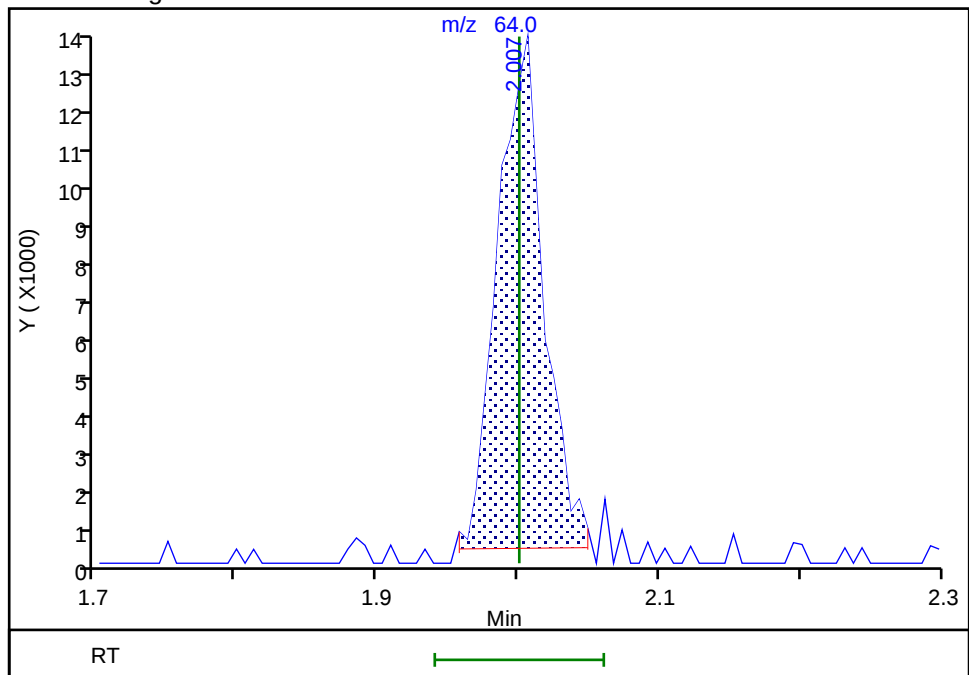
RT: 2.01
Area: 31646
Amount: 5.175520
Amount Units: ug/L

Processing Integration Results



RT: 2.01
Area: 30321
Amount: 4.989716
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:57:01
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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Eurofins TestAmerica, Buffalo

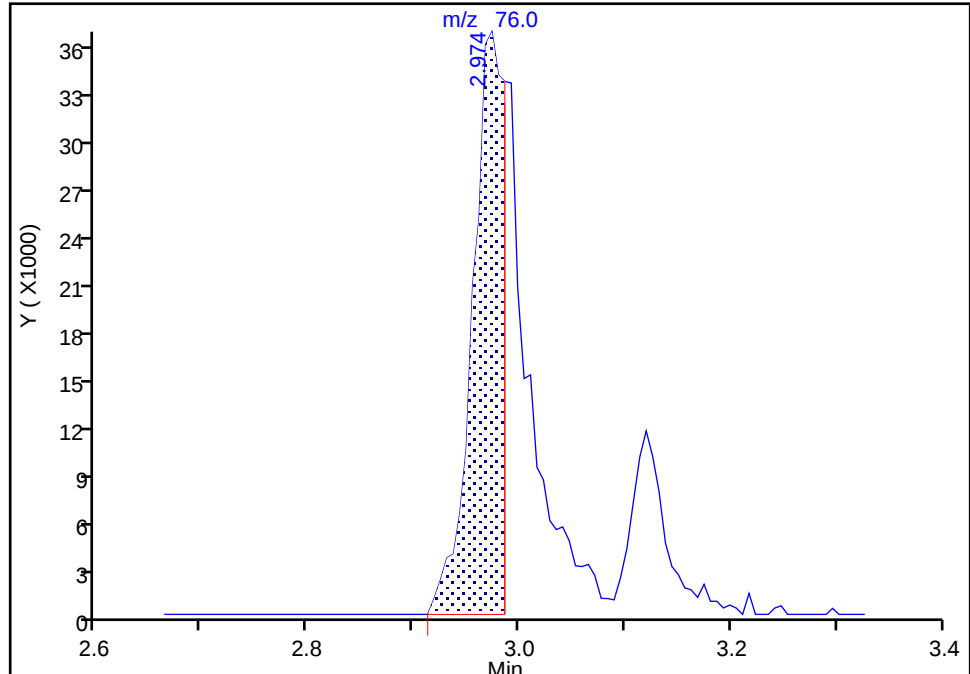
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Injection Date: 29-Apr-2019 15:34:30 Instrument ID: HP5973P
Lims ID: IC 3
Client ID:
Operator ID: RF ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

27 Carbon disulfide, CAS: 75-15-0

Signal: 1

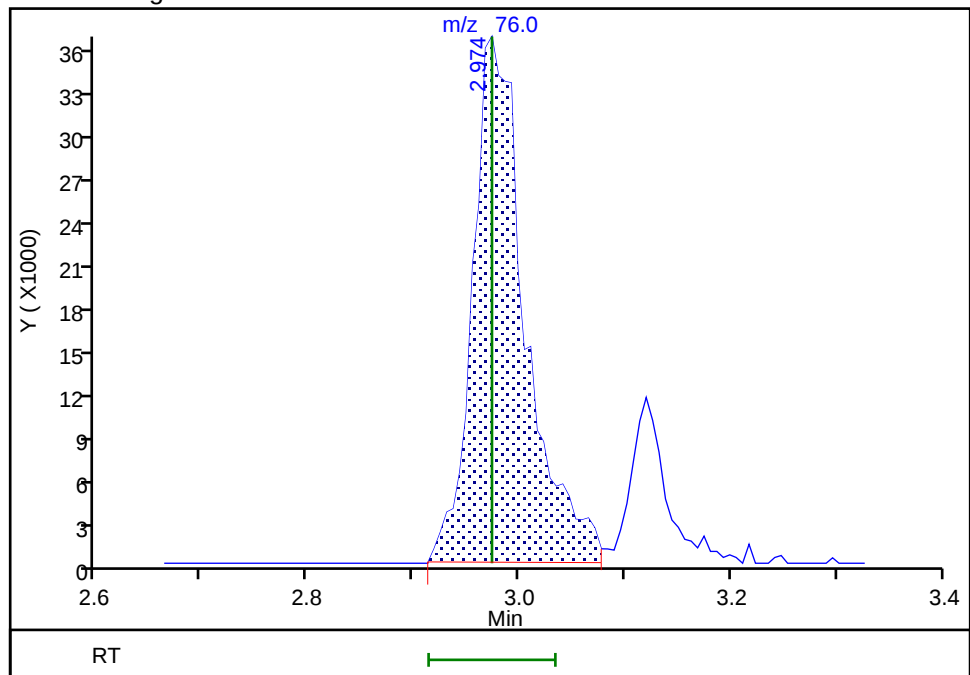
RT: 2.97
Area: 78341
Amount: 3.534074
Amount Units: ug/L

Processing Integration Results



RT: 2.97
Area: 127516
Amount: 5.409562
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:57:42
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 162 of 249

05/17/2019

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42645.D

Injection Date: 29-Apr-2019 15:34:30

Instrument ID: HP5973P

Lims ID: IC 3

Client ID:

Operator ID: RF

ALS Bottle#:

6

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector

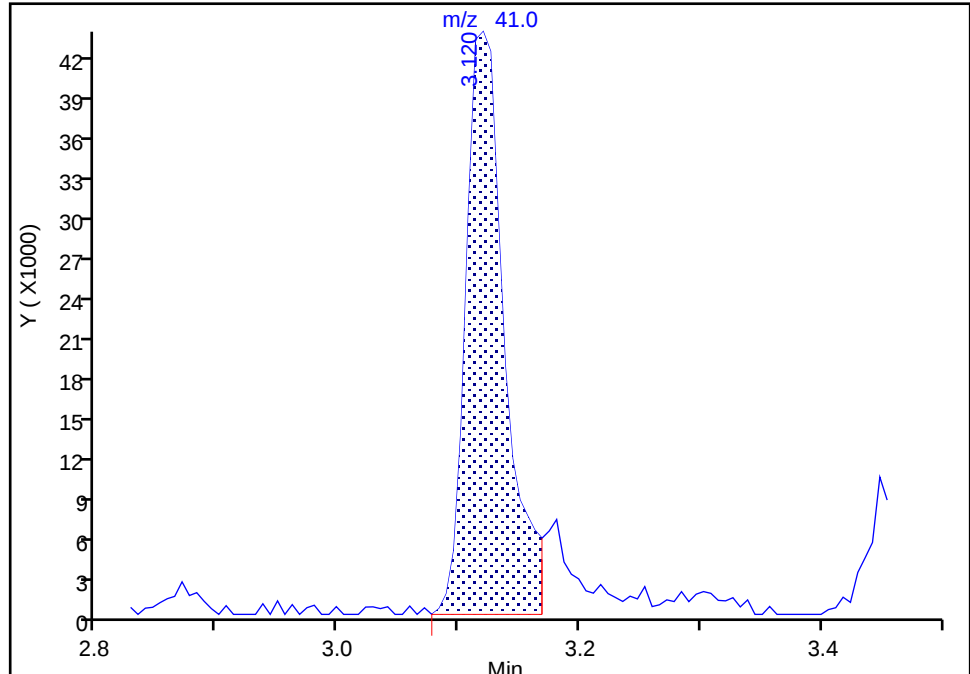
MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

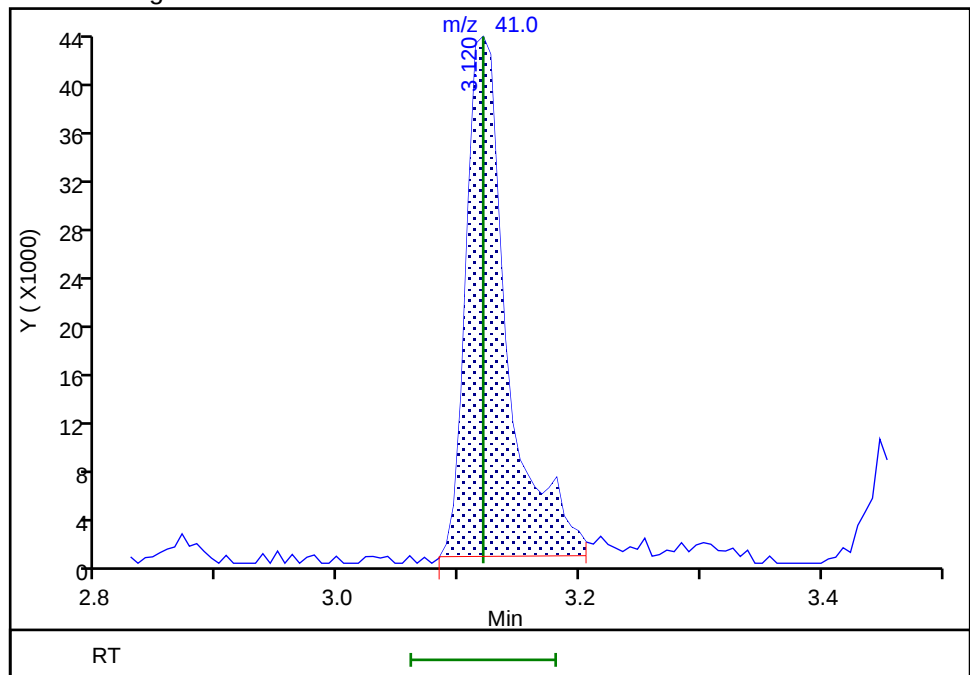
RT: 3.12
Area: 96908
Amount: 4.883674
Amount Units: ug/L

Processing Integration Results



RT: 3.12
Area: 101392
Amount: 4.977937
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:57:56

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

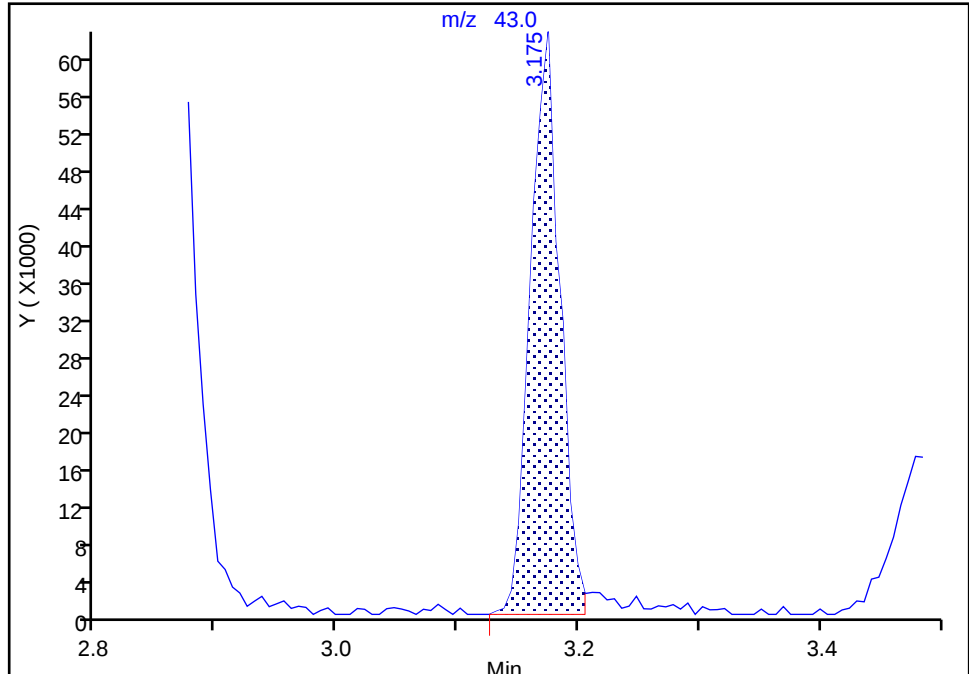
Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42645.D
Injection Date: 29-Apr-2019 15:34:30 Instrument ID: HP5973P
Lims ID: IC 3
Client ID:
Operator ID: RF ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

30 Methyl acetate, CAS: 79-20-9

Signal: 1

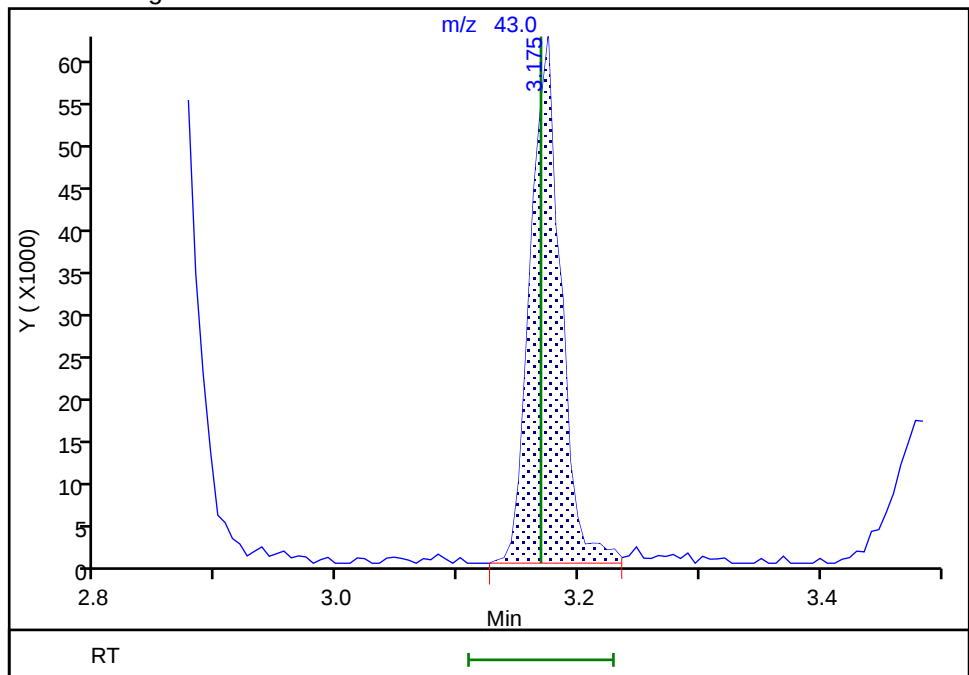
RT: 3.17
Area: 106881
Amount: 10.020892
Amount Units: ug/L

Processing Integration Results



RT: 3.17
Area: 109926
Amount: 10.264520
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 30-Apr-2019 10:58:07
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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05/17/2019

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42646.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 29-Apr-2019 15:58:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0080635-008
 Operator ID: RF Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Apr-2019 12:01:59 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1003

First Level Reviewer: HillL

Date: 30-Apr-2019 10:59:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.547	5.547	0.000	99	146012	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.559	0.000	87	293388	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	95	368724	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.969	4.969	0.000	93	216105	25.0	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.273	5.273	0.000	78	121774	25.0	25.8	
\$ 5 Toluene-d8 (Surr)	98	7.068	7.068	0.000	93	701664	25.0	24.8	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	95	261395	25.0	24.6	
10 Dichlorodifluoromethane	85	1.313	1.313	0.000	98	87646	10.0	9.71	
11 Chloromethane	50	1.502	1.502	0.000	99	154283	10.0	10.0	
144 Butadiene	54	1.605	1.605	0.000	97	139172	10.0	9.79	
17 Vinyl chloride	62	1.605	1.605	0.000	61	113811	10.0	10.4	
12 Bromomethane	94	1.921	1.921	0.000	92	65722	10.0	9.94	
13 Chloroethane	64	1.994	1.994	0.000	97	67094	10.0	10.6	
19 Dichlorofluoromethane	67	2.238	2.238	0.000	95	148224	10.0	10.1	
14 Trichlorofluoromethane	101	2.256	2.256	0.000	91	144546	10.0	9.87	
20 Ethyl ether	59	2.512	2.512	0.000	95	102514	10.0	9.60	
22 Acrolein	56	2.706	2.706	0.000	97	96853	50.0	51.0	
16 1,1,2-Trichloro-1,2,2-trif	101	2.737	2.737	0.000	77	83832	10.0	9.74	
25 1,1-Dichloroethene	96	2.761	2.761	0.000	95	82722	10.0	9.83	
24 Acetone	43	2.870	2.870	0.000	98	227186	50.0	48.9	
18 Iodomethane	142	2.931	2.931	0.000	99	159413	10.0	9.77	
27 Carbon disulfide	76	2.980	2.980	0.000	99	247267	10.0	10.1	
28 3-Chloro-1-propene	41	3.126	3.126	0.000	87	205615	10.0	9.70	
30 Methyl acetate	43	3.169	3.169	0.000	100	218435	20.0	19.6	
31 Methylene Chloride	84	3.296	3.296	0.000	94	97539	10.0	10.1	
33 2-Methyl-2-propanol	59	3.448	3.448	0.000	97	113479	100.0	91.6	
32 Methyl tert-butyl ether	73	3.479	3.479	0.000	95	237910	10.0	9.22	
35 trans-1,2-Dichloroethene	96	3.497	3.497	0.000	94	94257	10.0	9.79	
34 Acrylonitrile	53	3.564	3.564	0.000	100	519274	100.0	98.0	
36 Hexane	57	3.692	3.692	0.000	96	135591	10.0	9.91	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	3.929	3.929	0.000	97	177712	10.0	9.75	
38 Vinyl acetate	43	3.984	3.984	0.000	97	413107	20.0	17.8	
45 2,2-Dichloropropane	77	4.446	4.446	0.000	84	64321	10.0	9.59	
43 cis-1,2-Dichloroethene	96	4.489	4.489	0.000	83	99946	10.0	9.93	
44 2-Butanone (MEK)	43	4.525	4.525	0.000	97	351653	50.0	49.6	
50 Chlorobromomethane	128	4.726	4.726	0.000	92	58806	10.0	9.63	
51 Tetrahydrofuran	42	4.744	4.744	0.000	93	96266	20.0	19.6	
49 Chloroform	83	4.805	4.805	0.000	96	162055	10.0	9.68	
52 1,1,1-Trichloroethane	97	4.915	4.915	0.000	92	120313	10.0	9.20	
54 Cyclohexane	56	4.921	4.921	0.000	97	180002	10.0	9.78	
55 Carbon tetrachloride	117	5.054	5.054	0.000	93	117635	10.0	9.58	
56 1,1-Dichloropropene	75	5.067	5.067	0.000	83	108207	10.0	9.11	
57 Benzene	78	5.273	5.273	0.000	90	350231	10.0	9.76	
53 Isobutyl alcohol	43	5.298	5.298	0.000	93	143393	250.0	238.2	
60 1,2-Dichloroethane	62	5.346	5.346	0.000	95	146613	10.0	10.1	
59 n-Heptane	43	5.450	5.450	0.000	96	115785	10.0	9.61	
62 Trichloroethene	95	5.888	5.888	0.000	94	93057	10.0	9.44	
64 Methylcyclohexane	83	6.004	6.004	0.000	96	114241	10.0	9.74	
63 1,2-Dichloropropane	63	6.137	6.137	0.000	89	97932	10.0	9.45	
69 Dibromomethane	93	6.271	6.271	0.000	90	56245	10.0	9.12	
68 1,4-Dioxane	88	6.283	6.283	0.000	43	17922	200.0	213.7	
70 Dichlorobromomethane	83	6.429	6.429	0.000	97	112506	10.0	9.66	
71 2-Chloroethyl vinyl ether	63	6.703	6.703	0.000	89	55133	10.0	9.51	
73 cis-1,3-Dichloropropene	75	6.843	6.843	0.000	87	125787	10.0	9.35	
75 4-Methyl-2-pentanone (MIBK)	43	6.989	6.989	0.000	99	685502	50.0	48.1	
76 Toluene	92	7.135	7.135	0.000	98	231270	10.0	10.1	
78 trans-1,3-Dichloropropene	75	7.415	7.415	0.000	97	113850	10.0	9.85	
77 Ethyl methacrylate	69	7.451	7.451	0.000	93	91022	10.0	9.80	
79 1,1,2-Trichloroethane	83	7.610	7.610	0.000	93	62540	10.0	9.62	
80 Tetrachloroethene	166	7.664	7.664	0.000	95	102897	10.0	9.82	
82 1,3-Dichloropropane	76	7.768	7.768	0.000	91	121393	10.0	9.54	
83 2-Hexanone	43	7.835	7.835	0.000	97	487909	50.0	50.1	
81 Chlorodibromomethane	129	8.011	8.011	0.000	90	83895	10.0	9.53	
85 Ethylene Dibromide	107	8.115	8.115	0.000	98	84056	10.0	9.97	
87 Chlorobenzene	112	8.589	8.589	0.000	95	256519	10.0	9.74	
89 Ethylbenzene	91	8.680	8.680	0.000	98	393149	10.0	9.74	
88 1,1,1,2-Tetrachloroethane	131	8.686	8.686	0.000	93	94069	10.0	9.68	
90 m-Xylene & p-Xylene	106	8.802	8.802	0.000	99	159777	10.0	10.4	
93 o-Xylene	106	9.228	9.228	0.000	98	150015	10.0	9.53	
94 Styrene	104	9.264	9.264	0.000	96	281136	10.0	10.2	
92 Bromoform	173	9.520	9.520	0.000	97	55128	10.0	9.53	
95 Isopropylbenzene	105	9.611	9.611	0.000	96	393233	10.0	9.65	
100 Bromobenzene	156	9.958	9.958	0.000	88	124008	10.0	9.64	
97 1,1,2,2-Tetrachloroethane	83	10.013	10.013	0.000	96	103293	10.0	9.67	
99 N-Propylbenzene	91	10.037	10.037	0.000	99	454742	10.0	9.69	
101 1,2,3-Trichloropropane	110	10.049	10.049	0.000	92	35510	10.0	9.89	
98 trans-1,4-Dichloro-2-buten	53	10.061	10.061	0.000	77	40286	10.0	9.54	
103 2-Chlorotoluene	126	10.140	10.140	0.000	97	107590	10.0	9.98	
102 1,3,5-Trimethylbenzene	105	10.207	10.207	0.000	95	339462	10.0	9.86	
105 4-Chlorotoluene	126	10.250	10.250	0.000	97	115505	10.0	10.4	
106 tert-Butylbenzene	134	10.524	10.524	0.000	93	76265	10.0	10.0	
107 1,2,4-Trimethylbenzene	105	10.578	10.578	0.000	97	353082	10.0	9.97	

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	10.730	10.730	0.000	94	384182	10.0	10.2	
112 4-Isopropyltoluene	119	10.870	10.870	0.000	96	348387	10.0	10.1	
110 1,3-Dichlorobenzene	146	10.870	10.870	0.000	78	231052	10.0	9.93	
111 1,4-Dichlorobenzene	146	10.956	10.956	0.000	96	238490	10.0	10.0	
115 n-Butylbenzene	91	11.254	11.254	0.000	98	274471	10.0	9.87	
116 1,2-Dichlorobenzene	146	11.314	11.314	0.000	98	230630	10.0	9.96	
117 1,2-Dibromo-3-Chloropropan	75	12.045	12.045	0.000	81	16753	10.0	10.0	
119 1,2,4-Trichlorobenzene	180	12.714	12.714	0.000	94	137916	10.0	9.86	
120 Hexachlorobutadiene	225	12.817	12.817	0.000	95	51902	10.0	10.4	
121 Naphthalene	128	12.927	12.927	0.000	96	346618	10.0	9.70	
122 1,2,3-Trichlorobenzene	180	13.127	13.127	0.000	97	130958	10.0	10.1	
S 126 Xylenes, Total	1				0			20.0	
S 123 1,2-Dichloroethene, Total	1				0			19.7	
S 125 Total BTEX	1				0			49.6	
S 124 1,3-Dichloropropene, Total	1				0			19.2	

Reagents:

8260 CORP mix_00154	Amount Added: 5.00	Units: uL	
GAS CORP mix_00338	Amount Added: 5.00	Units: uL	
P 8260 IS_00370	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00338	Amount Added: 1.25	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42646.D

Injection Date: 29-Apr-2019 15:58:30

Instrument ID: HP5973P

Operator ID: RF

Lims ID: IC 4

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

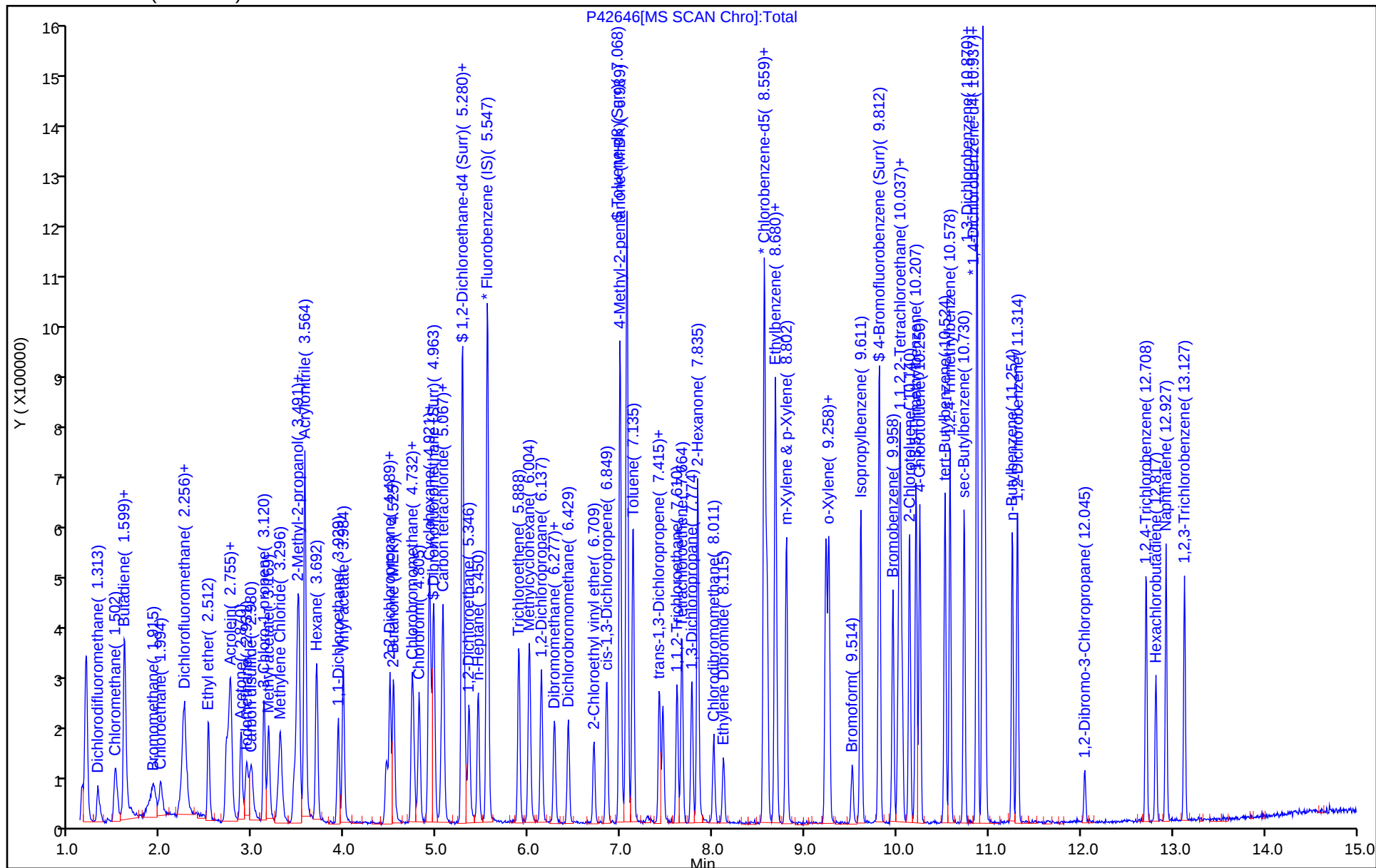
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42647.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 29-Apr-2019 16:22:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0080635-009
 Operator ID: RF Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Apr-2019 12:02:07 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1003

First Level Reviewer: HillL

Date: 30-Apr-2019 10:45:18

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	5.547	5.547	0.000	99	146385	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.559	0.000	87	292740	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	94	373274	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.963	4.963	0.000	93	215129	25.0	24.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.273	5.273	0.000	60	121284	25.0	25.6	
\$ 5 Toluene-d8 (Surr)	98	7.068	7.068	0.000	92	723593	25.0	25.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	95	268611	25.0	25.3	
10 Dichlorodifluoromethane	85	1.319	1.319	0.000	98	207153	25.0	22.9	
11 Chloromethane	50	1.502	1.502	0.000	100	382030	25.0	24.8	
144 Butadiene	54	1.605	1.605	0.000	97	324596	25.0	22.8	
17 Vinyl chloride	62	1.605	1.605	0.000	57	264291	25.0	24.0	
12 Bromomethane	94	1.915	1.915	0.000	92	168984	25.0	25.5	
13 Chloroethane	64	2.000	2.000	0.000	96	158621	25.0	25.0	
19 Dichlorofluoromethane	67	2.238	2.238	0.000	95	363671	25.0	24.7	
14 Trichlorofluoromethane	101	2.244	2.244	0.000	75	336037	25.0	22.9	
20 Ethyl ether	59	2.518	2.518	0.000	97	263200	25.0	24.6	
22 Acrolein	56	2.706	2.706	0.000	98	245060	125.0	128.7	
16 1,1,2-Trichloro-1,2,2-trif	101	2.743	2.743	0.000	92	216056	25.0	25.0	
25 1,1-Dichloroethene	96	2.761	2.761	0.000	95	209607	25.0	24.8	
24 Acetone	43	2.870	2.870	0.000	98	554424	125.0	119.0	
18 Iodomethane	142	2.931	2.931	0.000	98	415065	25.0	25.4	
27 Carbon disulfide	76	2.974	2.974	0.000	99	633068	25.0	25.7	
28 3-Chloro-1-propene	41	3.120	3.120	0.000	88	541837	25.0	25.5	
30 Methyl acetate	43	3.169	3.169	0.000	100	554851	50.0	49.7	
31 Methylene Chloride	84	3.296	3.296	0.000	92	239640	25.0	25.7	
33 2-Methyl-2-propanol	59	3.448	3.448	0.000	98	300246	250.0	241.8	
32 Methyl tert-butyl ether	73	3.485	3.485	0.000	98	609896	25.0	23.6	
35 trans-1,2-Dichloroethene	96	3.497	3.497	0.000	93	236214	25.0	24.5	
34 Acrylonitrile	53	3.564	3.564	0.000	100	1312883	250.0	247.2	
36 Hexane	57	3.698	3.698	0.000	97	328962	25.0	24.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	3.929	3.929	0.000	98	440395	25.0	24.1	
38 Vinyl acetate	43	3.984	3.984	0.000	97	1168594	50.0	50.1	
45 2,2-Dichloropropane	77	4.452	4.452	0.000	87	173913	25.0	25.9	
43 cis-1,2-Dichloroethene	96	4.489	4.489	0.000	83	257023	25.0	25.5	
44 2-Butanone (MEK)	43	4.525	4.525	0.000	97	876728	125.0	123.4	
50 Chlorobromomethane	128	4.732	4.732	0.000	92	143246	25.0	23.4	
51 Tetrahydrofuran	42	4.744	4.744	0.000	95	238311	50.0	48.4	
49 Chloroform	83	4.805	4.805	0.000	97	408752	25.0	24.4	
52 1,1,1-Trichloroethane	97	4.921	4.921	0.000	84	319562	25.0	24.4	
54 Cyclohexane	56	4.921	4.921	0.000	97	452308	25.0	24.5	
55 Carbon tetrachloride	117	5.054	5.054	0.000	96	299126	25.0	24.3	
56 1,1-Dichloropropene	75	5.067	5.067	0.000	86	293272	25.0	24.6	
57 Benzene	78	5.280	5.280	0.000	94	892383	25.0	24.8	
53 Isobutyl alcohol	43	5.298	5.298	0.000	94	360704	625.0	597.6	
60 1,2-Dichloroethane	62	5.353	5.353	0.000	95	355710	25.0	24.5	
59 n-Heptane	43	5.450	5.450	0.000	97	298098	25.0	24.7	
62 Trichloroethene	95	5.888	5.888	0.000	94	240711	25.0	24.4	
64 Methylcyclohexane	83	6.003	6.003	0.000	97	289270	25.0	24.6	
63 1,2-Dichloropropane	63	6.131	6.131	0.000	91	260817	25.0	25.1	
69 Dibromomethane	93	6.277	6.277	0.000	89	143933	25.0	23.3	
68 1,4-Dioxane	88	6.283	6.283	0.000	42	41359	500.0	506.5	
70 Dichlorobromomethane	83	6.429	6.429	0.000	97	293616	25.0	25.1	
71 2-Chloroethyl vinyl ether	63	6.703	6.703	0.000	89	147306	25.0	25.3	
73 cis-1,3-Dichloropropene	75	6.849	6.849	0.000	88	331458	25.0	24.6	
75 4-Methyl-2-pentanone (MIBK)	43	6.989	6.989	0.000	98	1719969	125.0	120.9	
76 Toluene	92	7.135	7.135	0.000	97	569849	25.0	25.1	
78 trans-1,3-Dichloropropene	75	7.415	7.415	0.000	97	297746	25.0	25.8	
77 Ethyl methacrylate	69	7.457	7.457	0.000	93	232731	25.0	25.1	
79 1,1,2-Trichloroethane	83	7.610	7.610	0.000	94	168308	25.0	25.9	
80 Tetrachloroethene	166	7.664	7.664	0.000	97	268546	25.0	25.7	
82 1,3-Dichloropropane	76	7.774	7.774	0.000	94	314757	25.0	24.8	
83 2-Hexanone	43	7.835	7.835	0.000	97	1204142	125.0	123.9	
81 Chlorodibromomethane	129	8.011	8.011	0.000	91	226663	25.0	25.8	
85 Ethylene Dibromide	107	8.114	8.114	0.000	100	206517	25.0	24.6	
87 Chlorobenzene	112	8.589	8.589	0.000	97	663326	25.0	25.2	
89 Ethylbenzene	91	8.680	8.680	0.000	98	996509	25.0	24.8	
88 1,1,1,2-Tetrachloroethane	131	8.692	8.692	0.000	92	247828	25.0	25.6	
90 m-Xylene & p-Xylene	106	8.802	8.802	0.000	99	399055	25.0	26.1	
93 o-Xylene	106	9.228	9.228	0.000	98	390728	25.0	24.9	
94 Styrene	104	9.258	9.258	0.000	96	709635	25.0	25.8	
92 Bromoform	173	9.514	9.514	0.000	97	142973	25.0	24.8	
95 Isopropylbenzene	105	9.611	9.611	0.000	96	1020437	25.0	24.7	
100 Bromobenzene	156	9.958	9.958	0.000	88	312839	25.0	24.0	
97 1,1,2,2-Tetrachloroethane	83	10.013	10.013	0.000	94	265141	25.0	24.5	
99 N-Propylbenzene	91	10.031	10.031	0.000	99	1186182	25.0	25.0	
101 1,2,3-Trichloropropane	110	10.049	10.049	0.000	90	84358	25.0	23.2	
98 trans-1,4-Dichloro-2-buten	53	10.061	10.061	0.000	81	111386	25.0	25.1	
103 2-Chlorotoluene	126	10.140	10.140	0.000	97	269916	25.0	24.7	
102 1,3,5-Trimethylbenzene	105	10.207	10.207	0.000	94	880490	25.0	25.3	
105 4-Chlorotoluene	126	10.250	10.250	0.000	97	284980	25.0	25.3	
106 tert-Butylbenzene	134	10.524	10.524	0.000	94	198861	25.0	25.8	
107 1,2,4-Trimethylbenzene	105	10.578	10.578	0.000	98	918291	25.0	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.730	10.730	0.000	94	1003731	25.0	26.3	
112 4-Isopropyltoluene	119	10.870	10.870	0.000	97	889036	25.0	25.5	
110 1,3-Dichlorobenzene	146	10.870	10.870	0.000	78	581492	25.0	24.7	
111 1,4-Dichlorobenzene	146	10.962	10.962	0.000	96	594834	25.0	24.7	
115 n-Butylbenzene	91	11.254	11.254	0.000	98	719005	25.0	25.5	
116 1,2-Dichlorobenzene	146	11.308	11.308	0.000	99	586685	25.0	25.0	
117 1,2-Dibromo-3-Chloropropan	75	12.044	12.044	0.000	85	41851	25.0	24.7	
119 1,2,4-Trichlorobenzene	180	12.714	12.714	0.000	95	359977	25.0	25.4	
120 Hexachlorobutadiene	225	12.817	12.817	0.000	95	128179	25.0	25.5	
121 Naphthalene	128	12.927	12.927	0.000	96	939959	25.0	26.0	
122 1,2,3-Trichlorobenzene	180	13.127	13.127	0.000	96	328939	25.0	25.1	

Reagents:

8260 CORP mix_00154	Amount Added: 12.50	Units: uL	
GAS CORP mix_00338	Amount Added: 12.50	Units: uL	
P 8260 IS_00370	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00338	Amount Added: 1.25	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42647.D

Injection Date: 29-Apr-2019 16:22:30

Instrument ID: HP5973P

Operator ID: RF

Lims ID: ICIS 5

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

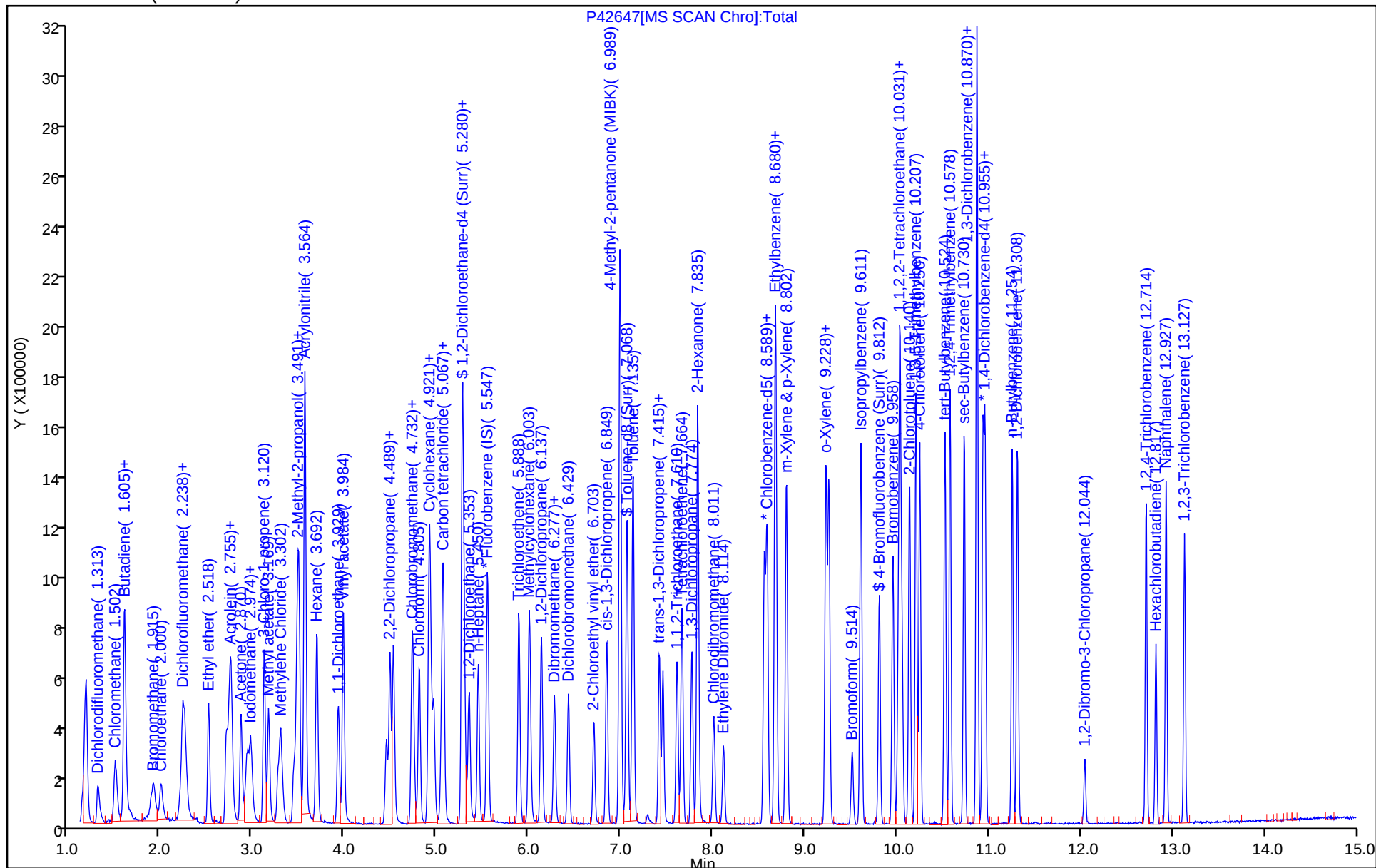
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42648.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 29-Apr-2019 16:46:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0080635-010
 Operator ID: RF Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Apr-2019 12:02:13 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1003

First Level Reviewer: HillL

Date: 30-Apr-2019 10:59:51

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	5.547	5.547	0.000	99	146594	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.559	0.000	86	301052	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	93	376575	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.969	4.963	0.006	94	216404	25.0	24.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.280	5.273	0.007	48	112065	25.0	23.6	
\$ 5 Toluene-d8 (Surr)	98	7.068	7.068	0.000	94	719873	25.0	24.8	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	95	272664	25.0	25.0	
10 Dichlorodifluoromethane	85	1.313	1.319	-0.006	99	448861	50.0	49.5	
11 Chloromethane	50	1.502	1.502	0.000	99	760479	50.0	49.3	
144 Butadiene	54	1.599	1.605	-0.006	96	681945	50.0	47.8	
17 Vinyl chloride	62	1.605	1.605	0.000	61	542127	50.0	49.1	
12 Bromomethane	94	1.921	1.915	0.006	92	325455	50.0	49.0	
13 Chloroethane	64	1.994	2.000	-0.006	96	315942	50.0	49.8	
19 Dichlorofluoromethane	67	2.244	2.238	0.006	97	719803	50.0	48.9	
14 Trichlorofluoromethane	101	2.250	2.244	0.006	98	708262	50.0	48.2	
20 Ethyl ether	59	2.518	2.518	0.000	98	505573	50.0	47.1	
22 Acrolein	56	2.706	2.706	0.000	99	498507	250.0	261.4	
16 1,1,2-Trichloro-1,2,2-trif	101	2.737	2.743	-0.006	91	451551	50.0	52.2	
25 1,1-Dichloroethene	96	2.761	2.761	0.000	95	429239	50.0	50.8	
24 Acetone	43	2.870	2.870	0.000	98	1072713	250.0	230.0	
18 Iodomethane	142	2.931	2.931	0.000	98	822005	50.0	50.2	
27 Carbon disulfide	76	2.980	2.974	0.006	99	1315321	50.0	53.4	
28 3-Chloro-1-propene	41	3.120	3.120	0.000	88	1100600	50.0	51.7	
30 Methyl acetate	43	3.169	3.169	0.000	100	1094418	100.0	97.8	
31 Methylene Chloride	84	3.296	3.296	0.000	92	461235	50.0	50.0	
33 2-Methyl-2-propanol	59	3.448	3.448	0.000	98	633732	500.0	509.6	
32 Methyl tert-butyl ether	73	3.485	3.485	0.000	98	1230068	50.0	47.5	
35 trans-1,2-Dichloroethene	96	3.497	3.497	0.000	93	462431	50.0	47.8	
34 Acrylonitrile	53	3.564	3.564	0.000	100	2596402	500.0	488.1	
36 Hexane	57	3.692	3.698	-0.006	97	710408	50.0	51.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	3.929	3.929	0.000	97	887796	50.0	48.5	
38 Vinyl acetate	43	3.984	3.984	0.000	97	2575630	100.0	110.3	
45 2,2-Dichloropropane	77	4.452	4.452	0.000	88	341543	50.0	50.7	
43 cis-1,2-Dichloroethene	96	4.489	4.489	0.000	84	512397	50.0	50.7	
44 2-Butanone (MEK)	43	4.525	4.525	0.000	97	1754971	250.0	246.6	
50 Chlorobromomethane	128	4.732	4.732	0.000	91	278087	50.0	45.4	
51 Tetrahydrofuran	42	4.744	4.744	0.000	94	467113	100.0	94.7	
49 Chloroform	83	4.805	4.805	0.000	97	803824	50.0	47.8	
52 1,1,1-Trichloroethane	97	4.915	4.921	-0.006	97	645783	50.0	49.2	
54 Cyclohexane	56	4.921	4.921	0.000	97	954195	50.0	51.6	
55 Carbon tetrachloride	117	5.054	5.054	0.000	96	628980	50.0	51.0	
56 1,1-Dichloropropene	75	5.073	5.067	0.006	85	590110	50.0	49.5	
57 Benzene	78	5.280	5.280	0.000	96	1767488	50.0	49.0	
53 Isobutyl alcohol	43	5.298	5.298	0.000	95	822675	1250.0	1361.0	
60 1,2-Dichloroethane	62	5.353	5.353	0.000	96	684058	50.0	47.1	
59 n-Heptane	43	5.450	5.450	0.000	97	611585	50.0	50.5	
62 Trichloroethene	95	5.888	5.888	0.000	95	488110	50.0	49.3	
64 Methylcyclohexane	83	6.004	6.003	0.001	98	612265	50.0	52.0	
63 1,2-Dichloropropane	63	6.137	6.131	0.006	90	509466	50.0	48.9	
69 Dibromomethane	93	6.277	6.277	0.000	93	294666	50.0	47.6	
68 1,4-Dioxane	88	6.277	6.283	-0.006	44	83278	1000.0	1000.7	
70 Dichlorobromomethane	83	6.429	6.429	0.000	97	583003	50.0	49.9	
71 2-Chloroethyl vinyl ether	63	6.703	6.703	0.000	88	297701	50.0	51.1	
73 cis-1,3-Dichloropropene	75	6.849	6.849	0.000	88	675043	50.0	50.0	
75 4-Methyl-2-pentanone (MIBK)	43	6.989	6.989	0.000	98	3472492	250.0	237.3	
76 Toluene	92	7.135	7.135	0.000	98	1168189	50.0	50.0	
78 trans-1,3-Dichloropropene	75	7.421	7.415	0.006	97	603411	50.0	50.9	
77 Ethyl methacrylate	69	7.457	7.457	0.000	92	501176	50.0	52.6	
79 1,1,2-Trichloroethane	83	7.610	7.610	0.000	93	321118	50.0	48.1	
80 Tetrachloroethene	166	7.664	7.664	0.000	97	529860	50.0	49.3	
82 1,3-Dichloropropane	76	7.774	7.774	0.000	94	630956	50.0	48.3	
83 2-Hexanone	43	7.835	7.835	0.000	97	2429467	250.0	243.2	
81 Chlorodibromomethane	129	8.011	8.011	0.000	92	458535	50.0	50.8	
85 Ethylene Dibromide	107	8.115	8.114	0.000	99	410425	50.0	47.4	
87 Chlorobenzene	112	8.589	8.589	0.000	96	1327847	50.0	49.1	
89 Ethylbenzene	91	8.680	8.680	0.000	99	2075262	50.0	50.1	
88 1,1,1,2-Tetrachloroethane	131	8.686	8.692	-0.006	93	501877	50.0	50.4	
90 m-Xylene & p-Xylene	106	8.802	8.802	0.000	99	833095	50.0	52.9	
93 o-Xylene	106	9.228	9.228	0.000	97	826159	50.0	51.2	
94 Styrene	104	9.264	9.258	0.006	96	1452550	50.0	51.4	
92 Bromoform	173	9.514	9.514	0.000	98	318750	50.0	53.7	
95 Isopropylbenzene	105	9.611	9.611	0.000	95	2100233	50.0	50.4	
100 Bromobenzene	156	9.958	9.958	0.000	87	657078	50.0	50.0	
97 1,1,2,2-Tetrachloroethane	83	10.013	10.013	0.000	93	534487	50.0	49.0	
99 N-Propylbenzene	91	10.031	10.031	0.000	99	2438817	50.0	50.9	
101 1,2,3-Trichloropropane	110	10.049	10.049	0.000	91	168662	50.0	46.0	
98 trans-1,4-Dichloro-2-buten	53	10.061	10.061	0.000	85	228821	50.0	50.6	
103 2-Chlorotoluene	126	10.140	10.140	0.000	97	542731	50.0	49.3	
102 1,3,5-Trimethylbenzene	105	10.207	10.207	0.000	95	1794564	50.0	51.0	
105 4-Chlorotoluene	126	10.250	10.250	0.000	97	577123	50.0	50.9	
106 tert-Butylbenzene	134	10.524	10.524	0.000	94	404061	50.0	52.0	
107 1,2,4-Trimethylbenzene	105	10.578	10.578	0.000	97	1870827	50.0	51.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.730	10.730	0.000	94	2056742	50.0	53.4	
112 4-Isopropyltoluene	119	10.870	10.870	0.000	97	1850948	50.0	52.6	
110 1,3-Dichlorobenzene	146	10.870	10.870	0.000	77	1173744	50.0	49.4	
111 1,4-Dichlorobenzene	146	10.962	10.962	0.000	96	1213214	50.0	49.9	
115 n-Butylbenzene	91	11.254	11.254	0.000	97	1479043	50.0	52.1	
116 1,2-Dichlorobenzene	146	11.314	11.308	0.006	99	1161567	50.0	49.1	
117 1,2-Dibromo-3-Chloropropan	75	12.045	12.044	0.000	90	91211	50.0	53.5	
119 1,2,4-Trichlorobenzene	180	12.714	12.714	0.000	95	725310	50.0	50.8	
120 Hexachlorobutadiene	225	12.817	12.817	0.000	97	254010	50.0	50.0	
121 Naphthalene	128	12.927	12.927	0.000	97	1948025	50.0	53.4	
122 1,2,3-Trichlorobenzene	180	13.127	13.127	0.000	97	672520	50.0	50.9	
S 126 Xylenes, Total	1				0			104.1	
S 123 1,2-Dichloroethene, Total	1				0			98.5	
S 125 Total BTEX	1				0			253.2	
S 124 1,3-Dichloropropene, Total	1				0			100.9	

Reagents:

8260 CORP mix_00154	Amount Added: 25.00	Units: uL	
GAS CORP mix_00338	Amount Added: 25.00	Units: uL	
P 8260 IS_00370	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00338	Amount Added: 1.25	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42648.D

Injection Date: 29-Apr-2019 16:46:30

Instrument ID: HP5973P

Operator ID: RF

Lims ID: IC 6

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

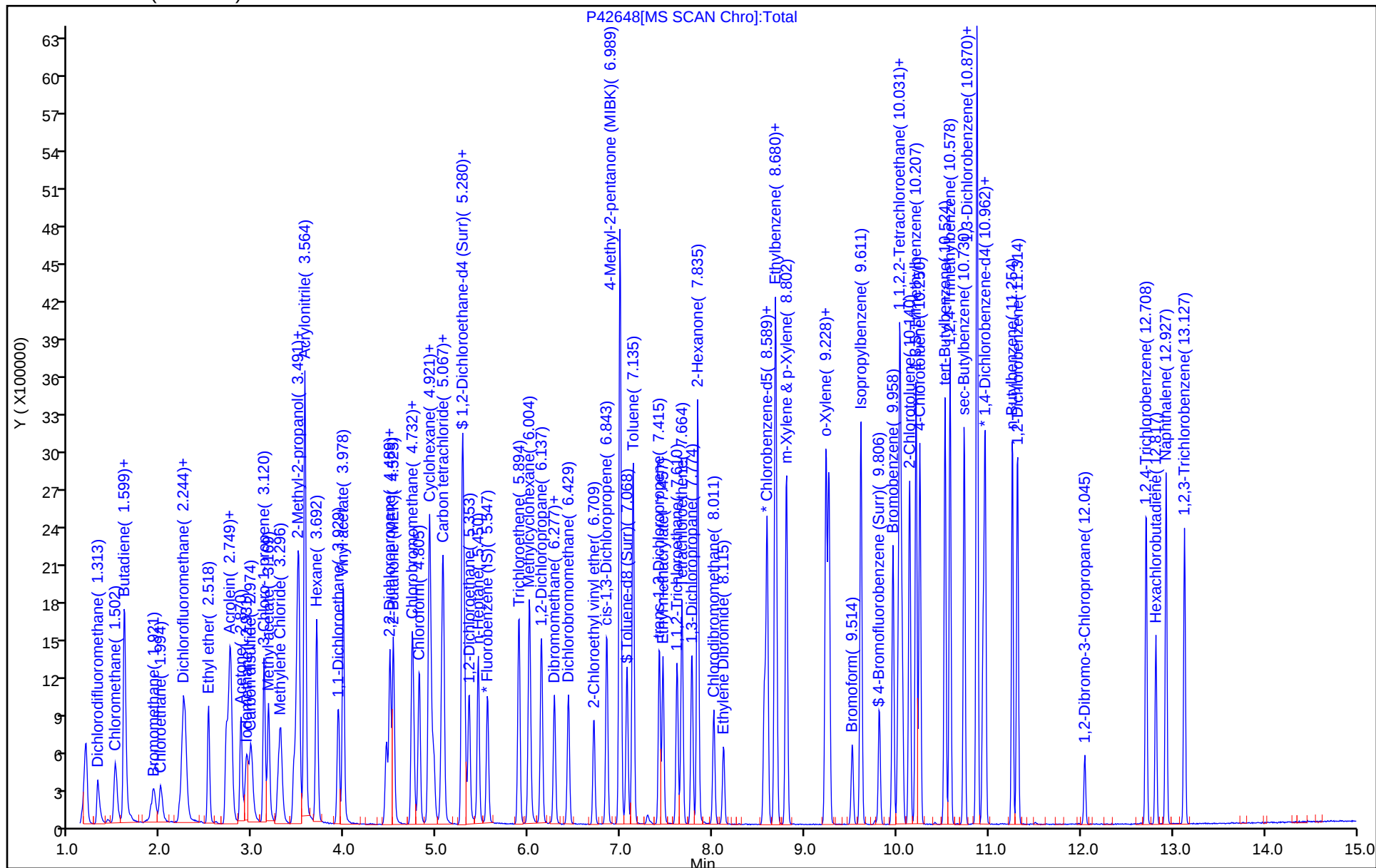
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42649.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 29-Apr-2019 17:09:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0080635-011
 Operator ID: RF Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 30-Apr-2019 12:02:20 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1003

First Level Reviewer: HillL

Date: 30-Apr-2019 11:00:23

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	5.547	5.547	0.000	98	149869	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.559	0.000	86	305188	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	94	382069	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.963	4.963	0.000	92	216796	25.0	24.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.280	5.273	0.007	43	117383	25.0	24.2	
\$ 5 Toluene-d8 (Surr)	98	7.068	7.068	0.000	93	757377	25.0	25.7	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	95	276216	25.0	25.0	
10 Dichlorodifluoromethane	85	1.319	1.319	0.000	98	861139	100.0	92.9	
11 Chloromethane	50	1.508	1.502	0.006	99	1535471	100.0	97.4	
144 Butadiene	54	1.605	1.605	0.000	97	1350527	100.0	92.6	
17 Vinyl chloride	62	1.605	1.605	0.000	58	1065755	100.0	94.5	
12 Bromomethane	94	1.922	1.915	0.007	92	651669	100.0	96.0	
13 Chloroethane	64	2.001	2.000	0.001	96	642649	100.0	99.0	
19 Dichlorofluoromethane	67	2.244	2.238	0.006	98	1437271	100.0	95.5	
14 Trichlorofluoromethane	101	2.250	2.244	0.006	97	1476662	100.0	98.3	
20 Ethyl ether	59	2.518	2.518	0.000	98	1026099	100.0	93.6	
22 Acrolein	56	2.706	2.706	0.000	99	987011	500.0	506.3	
16 1,1,2-Trichloro-1,2,2-trif	101	2.743	2.743	0.000	90	891486	100.0	100.9	
25 1,1-Dichloroethene	96	2.761	2.761	0.000	94	848875	100.0	98.3	
24 Acetone	43	2.871	2.870	0.001	98	2203891	500.0	462.1	
18 Iodomethane	142	2.938	2.931	0.007	98	1714947	100.0	102.4	
27 Carbon disulfide	76	2.980	2.974	0.006	100	2702794	100.0	107.4	
28 3-Chloro-1-propene	41	3.120	3.120	0.000	89	2267065	100.0	104.2	
30 Methyl acetate	43	3.169	3.169	0.000	100	2253217	200.0	197.0	
31 Methylene Chloride	84	3.296	3.296	0.000	93	926646	100.0	98.9	
33 2-Methyl-2-propanol	59	3.442	3.448	-0.006	98	1359166	1000.0	1069.0	
32 Methyl tert-butyl ether	73	3.479	3.485	-0.006	99	2564919	100.0	96.8	
35 trans-1,2-Dichloroethene	96	3.497	3.497	0.000	94	973063	100.0	98.4	
34 Acrylonitrile	53	3.564	3.564	0.000	100	5409464	1000.0	994.8	
36 Hexane	57	3.692	3.698	-0.006	96	1463659	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
40 1,1-Dichloroethane	63	3.929	3.929	0.000	97	1822805	100.0	97.5	
38 Vinyl acetate	43	3.984	3.984	0.000	96	5740821	200.0	240.4	
45 2,2-Dichloropropane	77	4.452	4.452	0.000	87	698333	100.0	101.4	
43 cis-1,2-Dichloroethene	96	4.489	4.489	0.000	82	1036932	100.0	100.3	
44 2-Butanone (MEK)	43	4.525	4.525	0.000	96	3612404	500.0	496.5	
50 Chlorobromomethane	128	4.732	4.732	0.000	91	574238	100.0	91.6	
51 Tetrahydrofuran	42	4.744	4.744	0.000	95	960236	200.0	190.5	
49 Chloroform	83	4.805	4.805	0.000	97	1647000	100.0	95.9	
52 1,1,1-Trichloroethane	97	4.915	4.921	-0.006	97	1385093	100.0	103.2	
54 Cyclohexane	56	4.921	4.921	0.000	96	1952071	100.0	103.3	
55 Carbon tetrachloride	117	5.055	5.054	0.001	96	1323465	100.0	105.0	
56 1,1-Dichloropropene	75	5.073	5.067	0.006	87	1239079	100.0	101.6	
57 Benzene	78	5.280	5.280	0.000	97	3767813	100.0	102.3	
53 Isobutyl alcohol	43	5.298	5.298	0.000	95	1782261	2500.0	2884.1	
60 1,2-Dichloroethane	62	5.347	5.353	-0.006	95	1386747	100.0	93.5	
59 n-Heptane	43	5.450	5.450	0.000	97	1212600	100.0	98.0	
62 Trichloroethene	95	5.888	5.888	0.000	94	1006670	100.0	99.5	
64 Methylcyclohexane	83	6.004	6.003	0.001	98	1269484	100.0	105.4	
63 1,2-Dichloropropane	63	6.137	6.131	0.006	90	1052390	100.0	98.9	
69 Dibromomethane	93	6.277	6.277	0.000	91	598448	100.0	94.6	
68 1,4-Dioxane	88	6.277	6.283	-0.006	43	167465	2000.0	1994.2	
70 Dichlorobromomethane	83	6.429	6.429	0.000	97	1232064	100.0	103.1	
71 2-Chloroethyl vinyl ether	63	6.703	6.703	0.000	88	620087	100.0	104.2	
73 cis-1,3-Dichloropropene	75	6.843	6.849	-0.006	87	1418939	100.0	102.8	
75 4-Methyl-2-pentanone (MIBK)	43	6.989	6.989	0.000	97	7234270	500.0	487.6	
76 Toluene	92	7.135	7.135	0.000	98	2420819	100.0	102.1	
78 trans-1,3-Dichloropropene	75	7.415	7.415	0.000	98	1295015	100.0	107.7	
77 Ethyl methacrylate	69	7.458	7.457	0.001	94	1032118	100.0	106.8	
79 1,1,2-Trichloroethane	83	7.610	7.610	0.000	94	650306	100.0	96.2	
80 Tetrachloroethene	166	7.664	7.664	0.000	97	1112192	100.0	102.0	
82 1,3-Dichloropropane	76	7.774	7.774	0.000	95	1275813	100.0	96.4	
83 2-Hexanone	43	7.835	7.835	0.000	97	4891955	500.0	483.0	
81 Chlorodibromomethane	129	8.011	8.011	0.000	90	1000327	100.0	109.2	
85 Ethylene Dibromide	107	8.115	8.114	0.001	99	858003	100.0	97.8	
87 Chlorobenzene	112	8.589	8.589	0.000	95	2733334	100.0	99.8	
89 Ethylbenzene	91	8.680	8.680	0.000	98	4402846	100.0	104.9	
88 1,1,1,2-Tetrachloroethane	131	8.686	8.692	-0.006	93	1069142	100.0	105.8	
90 m-Xylene & p-Xylene	106	8.802	8.802	0.000	99	1700233	100.0	106.6	
93 o-Xylene	106	9.228	9.228	0.000	98	1676098	100.0	102.4	
94 Styrene	104	9.264	9.258	0.006	95	2960428	100.0	103.3	
92 Bromoform	173	9.514	9.514	0.000	98	679495	100.0	112.9	
95 Isopropylbenzene	105	9.611	9.611	0.000	95	4447419	100.0	105.3	
100 Bromobenzene	156	9.958	9.958	0.000	87	1302382	100.0	97.7	
97 1,1,2,2-Tetrachloroethane	83	10.013	10.013	0.000	94	1053213	100.0	95.2	
99 N-Propylbenzene	91	10.031	10.031	0.000	99	5045632	100.0	103.7	
101 1,2,3-Trichloropropane	110	10.049	10.049	0.000	89	329627	100.0	88.6	
98 trans-1,4-Dichloro-2-buten	53	10.061	10.061	0.000	85	461686	100.0	100.1	
103 2-Chlorotoluene	126	10.140	10.140	0.000	98	1136974	100.0	101.8	
102 1,3,5-Trimethylbenzene	105	10.207	10.207	0.000	94	3752550	100.0	105.2	
105 4-Chlorotoluene	126	10.250	10.250	0.000	97	1173398	100.0	102.0	
106 tert-Butylbenzene	134	10.524	10.524	0.000	94	823337	100.0	104.5	
107 1,2,4-Trimethylbenzene	105	10.578	10.578	0.000	97	3846221	100.0	104.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.731	10.730	0.001	94	4348867	100.0	111.3	
112 4-Isopropyltoluene	119	10.870	10.870	0.000	97	3901058	100.0	109.3	
110 1,3-Dichlorobenzene	146	10.870	10.870	0.000	76	2381697	100.0	98.8	
111 1,4-Dichlorobenzene	146	10.962	10.962	0.000	96	2450546	100.0	99.3	
115 n-Butylbenzene	91	11.254	11.254	0.000	98	3035946	100.0	105.4	
116 1,2-Dichlorobenzene	146	11.315	11.308	0.007	98	2375277	100.0	99.0	
117 1,2-Dibromo-3-Chloropropan	75	12.045	12.044	0.001	86	195010	100.0	112.7	
119 1,2,4-Trichlorobenzene	180	12.714	12.714	0.000	94	1550867	100.0	107.0	
120 Hexachlorobutadiene	225	12.817	12.817	0.000	96	527723	100.0	102.4	
121 Naphthalene	128	12.927	12.927	0.000	96	4175697	100.0	112.8	
122 1,2,3-Trichlorobenzene	180	13.127	13.127	0.000	96	1389196	100.0	103.6	
S 126 Xylenes, Total	1				0			209.0	
S 123 1,2-Dichloroethene, Total	1				0			198.7	
S 125 Total BTEX	1				0			518.3	
S 124 1,3-Dichloropropene, Total	1				0			210.5	

Reagents:

8260 CORP mix_00154	Amount Added: 50.00	Units: uL	
GAS CORP mix_00338	Amount Added: 50.00	Units: uL	
P 8260 IS_00370	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00338	Amount Added: 1.25	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42649.D

Injection Date: 29-Apr-2019 17:09:30

Instrument ID: HP5973P

Operator ID: RF

Lims ID: IC 7

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

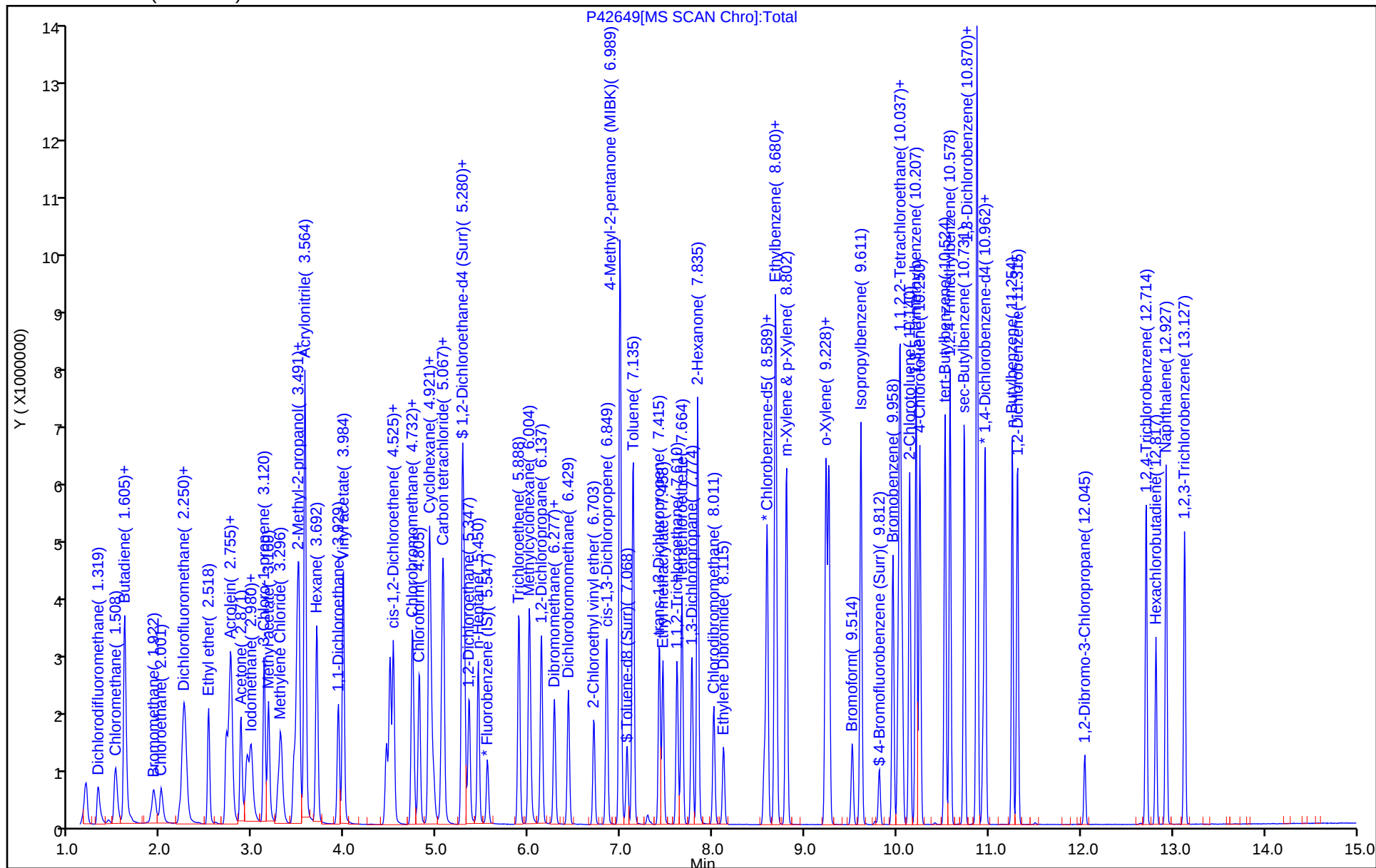
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-472817/3 Calibration Date: 05/14/2019 21:54
 Instrument ID: HP5973P Calib Start Date: 04/29/2019 14:46
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 04/29/2019 17:09
 Lab File ID: P43350.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	1.546	1.771	0.1000	28.7	25.0	14.6	50.0
Chloromethane	Ave	2.631	3.077	0.1000	29.2	25.0	17.0	20.0
Butadiene	Ave	2.434	2.601		26.7	25.0	6.9	20.0
Vinyl chloride	Ave	1.881	1.973	0.1000	26.2	25.0	4.9	20.0
Bromomethane	Ave	1.132	1.098	0.1000	24.2	25.0	-3.0	50.0
Chloroethane	Ave	1.082	1.095	0.1000	25.3	25.0	1.1	50.0
Dichlorofluoromethane	Ave	2.511	2.506		24.9	25.0	-0.2	20.0
Trichlorofluoromethane	Ave	2.507	2.751	0.1000	27.4	25.0	9.8	20.0
Ethyl ether	Ave	1.829	1.761		24.1	25.0	-3.7	20.0
Acrolein	Ave	0.3252	0.2933		113	125	-9.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.474	1.663	0.1000	28.2	25.0	12.8	20.0
1,1-Dichloroethene	Ave	1.441	1.527	0.1000	26.5	25.0	6.0	20.0
Acetone	Ave	0.7956	0.8676	0.1000	136	125	9.1	50.0
Iodomethane	Ave	2.794	3.164		28.3	25.0	13.3	20.0
Carbon disulfide	Ave	4.199	4.502	0.1000	26.8	25.0	7.2	20.0
Allyl chloride	Ave	3.628	3.626		25.0	25.0	-0.0	20.0
Methyl acetate	Ave	1.908	1.856	0.1000	48.6	50.0	-2.7	50.0
Methylene Chloride	Lin1		1.654	0.1000	26.0	25.0	3.8	20.0
2-Methyl-2-propanol	Ave	0.2121	0.2370		279	250	11.8	50.0
Methyl tert-butyl ether	Ave	4.418	4.262	0.1000	24.1	25.0	-3.5	20.0
trans-1,2-Dichloroethene	Ave	1.649	1.706	0.1000	25.9	25.0	3.5	20.0
Acrylonitrile	Ave	0.9071	0.8671		239	250	-4.4	20.0
Hexane	Ave	2.343	2.434		26.0	25.0	3.9	20.0
1,1-Dichloroethane	Ave	3.120	3.158	0.2000	25.3	25.0	1.2	20.0
Vinyl acetate	Ave	3.983	4.234		53.1	50.0	6.3	20.0
2,2-Dichloropropane	Ave	1.149	1.162		25.3	25.0	1.1	20.0
cis-1,2-Dichloroethene	Ave	1.724	1.921	0.1000	27.8	25.0	11.4	20.0
2-Butanone (MEK)	Ave	1.214	1.243	0.1000	128	125	2.4	20.0
Chlorobromomethane	Ave	1.046	1.075		25.7	25.0	2.8	20.0
Tetrahydrofuran	Ave	0.8409	0.7904		47.0	50.0	-6.0	20.0
Chloroform	Ave	2.865	2.975	0.2000	26.0	25.0	3.8	20.0
1,1,1-Trichloroethane	Ave	2.238	2.512	0.1000	28.1	25.0	12.2	20.0
Cyclohexane	Ave	3.153	3.217	0.1000	25.5	25.0	2.0	20.0
Carbon tetrachloride	Ave	2.102	2.504	0.1000	29.8	25.0	19.1	20.0
1,1-Dichloropropene	Ave	2.034	2.084		25.6	25.0	2.5	20.0
Benzene	Ave	6.145	6.160	0.5000	25.1	25.0	0.2	20.0
Isobutyl alcohol	Ave	0.1031	0.1180		715	625	14.4	50.0
1,2-Dichloroethane	Ave	2.475	2.457	0.1000	24.8	25.0	-0.7	20.0
n-Heptane	Ave	2.064	2.029		24.6	25.0	-1.7	20.0
Trichloroethene	Ave	1.688	1.719	0.2000	25.5	25.0	1.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-472817/3 Calibration Date: 05/14/2019 21:54
 Instrument ID: HP5973P Calib Start Date: 04/29/2019 14:46
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 04/29/2019 17:09
 Lab File ID: P43350.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	2.009	2.220	0.1000	27.6	25.0	10.5	20.0
1,2-Dichloropropane	Ave	1.775	1.695	0.1000	23.9	25.0	-4.5	20.0
1,4-Dioxane	Lin1		0.0061		438	500	-12.3	50.0
Dibromomethane	Ave	1.056	1.076	0.1000	25.5	25.0	1.9	20.0
Bromodichloromethane	Ave	1.994	2.144	0.2000	26.9	25.0	7.5	20.0
2-Chloroethyl vinyl ether	Ave	0.9929	0.9241		23.3	25.0	-6.9	20.0
cis-1,3-Dichloropropene	Ave	2.304	2.242	0.2000	24.3	25.0	-2.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.215	1.110	0.1000	114	125	-8.7	20.0
Toluene	Ave	1.942	1.876	0.4000	24.2	25.0	-3.4	20.0
trans-1,3-Dichloropropene	Ave	0.9847	0.9527	0.1000	24.2	25.0	-3.2	20.0
Ethyl methacrylate	Ave	0.7916	0.8450		26.7	25.0	6.7	20.0
1,1,2-Trichloroethane	Ave	0.5540	0.5189	0.1000	23.4	25.0	-6.3	20.0
Tetrachloroethene	Ave	0.8928	0.9355	0.2000	26.2	25.0	4.8	20.0
1,3-Dichloropropane	Ave	1.084	1.017		23.5	25.0	-6.1	20.0
2-Hexanone	Ave	0.8297	0.8298	0.1000	125	125	0.0	20.0
Dibromochloromethane	Ave	0.7501	0.8100	0.1000	27.0	25.0	8.0	20.0
1,2-Dibromoethane	Ave	0.7183	0.7257		25.3	25.0	1.0	20.0
Chlorobenzene	Ave	2.244	2.309	0.5000	25.7	25.0	2.9	20.0
Ethylbenzene	Ave	3.438	3.566	0.1000	25.9	25.0	3.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.8277	0.8912		26.9	25.0	7.7	20.0
m,p-Xylene	Ave	1.307	1.428	0.1000	27.3	25.0	9.3	20.0
o-Xylene	Ave	1.341	1.368	0.3000	25.5	25.0	2.0	20.0
Styrene	Ave	2.348	2.500	0.3000	26.6	25.0	6.5	20.0
Bromoform	Ave	0.4928	0.5607	0.1000	28.4	25.0	13.8	50.0
Isopropylbenzene	Ave	2.764	2.733	0.1000	24.7	25.0	-1.1	20.0
Bromobenzene	Ave	0.8721	0.8312		23.8	25.0	-4.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7239	0.6553	0.3000	22.6	25.0	-9.5	20.0
N-Propylbenzene	Ave	3.183	3.053		24.0	25.0	-4.1	20.0
1,2,3-Trichloropropane	Ave	0.2434	0.2293		23.5	25.0	-5.8	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.2118		18.0	25.0	-28.0	50.0
2-Chlorotoluene	Ave	0.7307	0.7500		25.7	25.0	2.6	20.0
1,3,5-Trimethylbenzene	Ave	2.334	2.313		24.8	25.0	-0.9	20.0
4-Chlorotoluene	Ave	0.7530	0.7785		25.8	25.0	3.4	20.0
tert-Butylbenzene	Ave	0.5156	0.5246		25.4	25.0	1.7	20.0
1,2,4-Trimethylbenzene	Ave	2.402	2.365		24.6	25.0	-1.6	20.0
sec-Butylbenzene	Ave	2.556	2.740		26.8	25.0	7.2	20.0
1,3-Dichlorobenzene	Ave	1.578	1.545	0.6000	24.5	25.0	-2.1	20.0
4-Isopropyltoluene	Ave	2.335	2.449		26.2	25.0	4.9	20.0
1,4-Dichlorobenzene	Ave	1.615	1.570	0.5000	24.3	25.0	-2.7	20.0
n-Butylbenzene	Ave	1.885	1.865		24.7	25.0	-1.1	20.0
1,2-Dichlorobenzene	Ave	1.570	1.531	0.4000	24.4	25.0	-2.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-472817/3 Calibration Date: 05/14/2019 21:54
 Instrument ID: HP5973P Calib Start Date: 04/29/2019 14:46
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 04/29/2019 17:09
 Lab File ID: P43350.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	0.1133	0.1175	0.0500	25.9	25.0	3.8	50.0
1,2,4-Trichlorobenzene	Ave	0.9483	0.9880	0.2000	26.0	25.0	4.2	20.0
Hexachlorobutadiene	Ave	0.3371	0.3487		25.9	25.0	3.4	20.0
Naphthalene	Ave	2.423	2.402		24.8	25.0	-0.9	20.0
1,2,3-Trichlorobenzene	Ave	0.8773	0.9026		25.7	25.0	2.9	20.0
Dibromofluoromethane (Surr)	Ave	1.480	1.594		26.9	25.0	7.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8088	0.8202		25.4	25.0	1.4	20.0
Toluene-d8 (Surr)	Ave	2.411	2.351		24.4	25.0	-2.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.9068	0.9935		27.4	25.0	9.6	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43350.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 14-May-2019 21:54:30 ALS Bottle#: 30 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0081087-003
 Operator ID: OI Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-May-2019 08:58:53 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: izquierdoo

Date: 15-May-2019 08:58:53

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	5.547	5.547	0.000	99	97580	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.559	0.000	85	212475	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	93	280927	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.963	4.963	0.000	92	155531	25.0	26.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.280	5.280	0.000	58	80030	25.0	25.4	
\$ 5 Toluene-d8 (Surr)	98	7.068	7.068	0.000	93	499463	25.0	24.4	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	97	211088	25.0	27.4	
10 Dichlorodifluoromethane	85	1.313	1.313	0.000	98	172853	25.0	28.7	
11 Chloromethane	50	1.508	1.508	0.000	99	300260	25.0	29.2	
144 Butadiene	54	1.605	1.605	0.000	95	253767	25.0	26.7	
17 Vinyl chloride	62	1.611	1.611	0.000	58	192554	25.0	26.2	
12 Bromomethane	94	1.922	1.922	0.000	92	107134	25.0	24.2	
13 Chloroethane	64	2.007	2.007	0.000	94	106829	25.0	25.3	
19 Dichlorofluoromethane	67	2.244	2.244	0.000	93	244551	25.0	24.9	
14 Trichlorofluoromethane	101	2.250	2.250	0.000	90	268477	25.0	27.4	
20 Ethyl ether	59	2.518	2.518	0.000	96	171815	25.0	24.1	
22 Acrolein	56	2.706	2.706	0.000	100	143117	125.0	112.7	
16 1,1,2-Trichloro-1,2,2-trif	101	2.743	2.743	0.000	90	162280	25.0	28.2	
25 1,1-Dichloroethene	96	2.761	2.761	0.000	94	149024	25.0	26.5	
24 Acetone	43	2.871	2.871	0.000	99	423319	125.0	136.3	
18 Iodomethane	142	2.938	2.938	0.000	98	308766	25.0	28.3	
27 Carbon disulfide	76	2.986	2.986	0.000	99	439280	25.0	26.8	
28 3-Chloro-1-propene	41	3.120	3.120	0.000	88	353815	25.0	25.0	
30 Methyl acetate	43	3.169	3.169	0.000	100	362234	50.0	48.6	
31 Methylene Chloride	84	3.303	3.303	0.000	92	161424	25.0	26.0	
33 2-Methyl-2-propanol	59	3.449	3.449	0.000	98	231286	250.0	279.4	
32 Methyl tert-butyl ether	73	3.479	3.479	0.000	97	415857	25.0	24.1	
35 trans-1,2-Dichloroethene	96	3.503	3.503	0.000	95	166480	25.0	25.9	
34 Acrylonitrile	53	3.564	3.564	0.000	98	846092	250.0	239.0	
36 Hexane	57	3.692	3.692	0.000	96	237513	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
40 1,1-Dichloroethane	63	3.929	3.929	0.000	97	308113	25.0	25.3	
38 Vinyl acetate	43	3.984	3.984	0.000	97	826244	50.0	53.1	
45 2,2-Dichloropropane	77	4.446	4.446	0.000	85	113368	25.0	25.3	
43 cis-1,2-Dichloroethene	96	4.489	4.489	0.000	81	187402	25.0	27.8	
44 2-Butanone (MEK)	43	4.525	4.525	0.000	97	606486	125.0	128.0	
50 Chlorobromomethane	128	4.732	4.732	0.000	93	104927	25.0	25.7	
51 Tetrahydrofuran	42	4.744	4.744	0.000	95	154250	50.0	47.0	
49 Chloroform	83	4.805	4.805	0.000	97	290282	25.0	26.0	
52 1,1,1-Trichloroethane	97	4.915	4.915	0.000	90	245074	25.0	28.1	
54 Cyclohexane	56	4.921	4.921	0.000	96	313881	25.0	25.5	
55 Carbon tetrachloride	117	5.055	5.055	0.000	96	244364	25.0	29.8	
56 1,1-Dichloropropene	75	5.067	5.067	0.000	85	203374	25.0	25.6	
57 Benzene	78	5.280	5.280	0.000	95	601064	25.0	25.1	
53 Isobutyl alcohol	43	5.292	5.292	0.000	94	287811	625.0	715.3	
60 1,2-Dichloroethane	62	5.347	5.347	0.000	95	239739	25.0	24.8	
59 n-Heptane	43	5.450	5.450	0.000	97	197979	25.0	24.6	
62 Trichloroethene	95	5.894	5.894	0.000	91	167746	25.0	25.5	
64 Methylcyclohexane	83	6.004	6.004	0.000	98	216675	25.0	27.6	
63 1,2-Dichloropropane	63	6.137	6.137	0.000	88	165407	25.0	23.9	
69 Dibromomethane	93	6.277	6.277	0.000	90	105028	25.0	25.5	
68 1,4-Dioxane	88	6.277	6.277	0.000	40	26053	500.0	438.3	
70 Dichlorobromomethane	83	6.430	6.430	0.000	96	209195	25.0	26.9	
71 2-Chloroethyl vinyl ether	63	6.703	6.703	0.000	87	90170	25.0	23.3	
73 cis-1,3-Dichloropropene	75	6.843	6.843	0.000	86	218758	25.0	24.3	
75 4-Methyl-2-pentanone (MIBK)	43	6.989	6.989	0.000	99	1178737	125.0	114.1	
76 Toluene	92	7.129	7.129	0.000	97	398544	25.0	24.2	
78 trans-1,3-Dichloropropene	75	7.415	7.415	0.000	95	202421	25.0	24.2	
77 Ethyl methacrylate	69	7.458	7.458	0.000	94	179538	25.0	26.7	
79 1,1,2-Trichloroethane	83	7.610	7.610	0.000	92	110244	25.0	23.4	
80 Tetrachloroethene	166	7.664	7.664	0.000	96	198767	25.0	26.2	
82 1,3-Dichloropropane	76	7.774	7.774	0.000	95	216138	25.0	23.5	
83 2-Hexanone	43	7.835	7.835	0.000	97	881577	125.0	125.0	
81 Chlorodibromomethane	129	8.011	8.011	0.000	90	172096	25.0	27.0	
85 Ethylene Dibromide	107	8.115	8.115	0.000	98	154187	25.0	25.3	
87 Chlorobenzene	112	8.589	8.589	0.000	96	490657	25.0	25.7	
89 Ethylbenzene	91	8.674	8.674	0.000	99	757621	25.0	25.9	
88 1,1,1,2-Tetrachloroethane	131	8.687	8.687	0.000	92	189361	25.0	26.9	
90 m-Xylene & p-Xylene	106	8.802	8.802	0.000	98	303461	25.0	27.3	
93 o-Xylene	106	9.228	9.228	0.000	97	290578	25.0	25.5	
94 Styrene	104	9.258	9.258	0.000	95	531255	25.0	26.6	
92 Bromoform	173	9.514	9.514	0.000	97	119133	25.0	28.4	
95 Isopropylbenzene	105	9.611	9.611	0.000	96	767835	25.0	24.7	
100 Bromobenzene	156	9.958	9.958	0.000	82	233512	25.0	23.8	
97 1,1,2,2-Tetrachloroethane	83	10.019	10.019	0.000	97	184086	25.0	22.6	
99 N-Propylbenzene	91	10.031	10.031	0.000	99	857766	25.0	24.0	
101 1,2,3-Trichloropropane	110	10.049	10.049	0.000	91	64402	25.0	23.5	
98 trans-1,4-Dichloro-2-buten	53	10.061	10.061	0.000	88	59499	25.0	18.0	
103 2-Chlorotoluene	126	10.140	10.140	0.000	98	210699	25.0	25.7	
102 1,3,5-Trimethylbenzene	105	10.207	10.207	0.000	95	649916	25.0	24.8	
105 4-Chlorotoluene	126	10.250	10.250	0.000	96	218701	25.0	25.8	
106 tert-Butylbenzene	134	10.524	10.524	0.000	93	147368	25.0	25.4	
107 1,2,4-Trimethylbenzene	105	10.579	10.579	0.000	98	664259	25.0	24.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.731	10.731	0.000	94	769647	25.0	26.8	
110 1,3-Dichlorobenzene	146	10.871	10.871	0.000	78	433949	25.0	24.5	
112 4-Isopropyltoluene	119	10.871	10.871	0.000	96	688128	25.0	26.2	
111 1,4-Dichlorobenzene	146	10.962	10.962	0.000	96	441190	25.0	24.3	
115 n-Butylbenzene	91	11.254	11.254	0.000	97	523941	25.0	24.7	
116 1,2-Dichlorobenzene	146	11.309	11.309	0.000	99	430025	25.0	24.4	
117 1,2-Dibromo-3-Chloropropan	75	12.045	12.045	0.000	88	33014	25.0	25.9	
119 1,2,4-Trichlorobenzene	180	12.714	12.714	0.000	94	277560	25.0	26.0	
120 Hexachlorobutadiene	225	12.817	12.817	0.000	97	97970	25.0	25.9	
121 Naphthalene	128	12.927	12.927	0.000	97	674884	25.0	24.8	
122 1,2,3-Trichlorobenzene	180	13.128	13.128	0.000	96	253555	25.0	25.7	

Reagents:

8260 CORP mix_00154	Amount Added: 12.50	Units: uL	
GAS CORP mix_00341	Amount Added: 12.50	Units: uL	
P 8260 IS_00373	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00342	Amount Added: 1.25	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43350.D

Injection Date: 14-May-2019 21:54:30

Instrument ID: HP5973P

Operator ID: OI

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

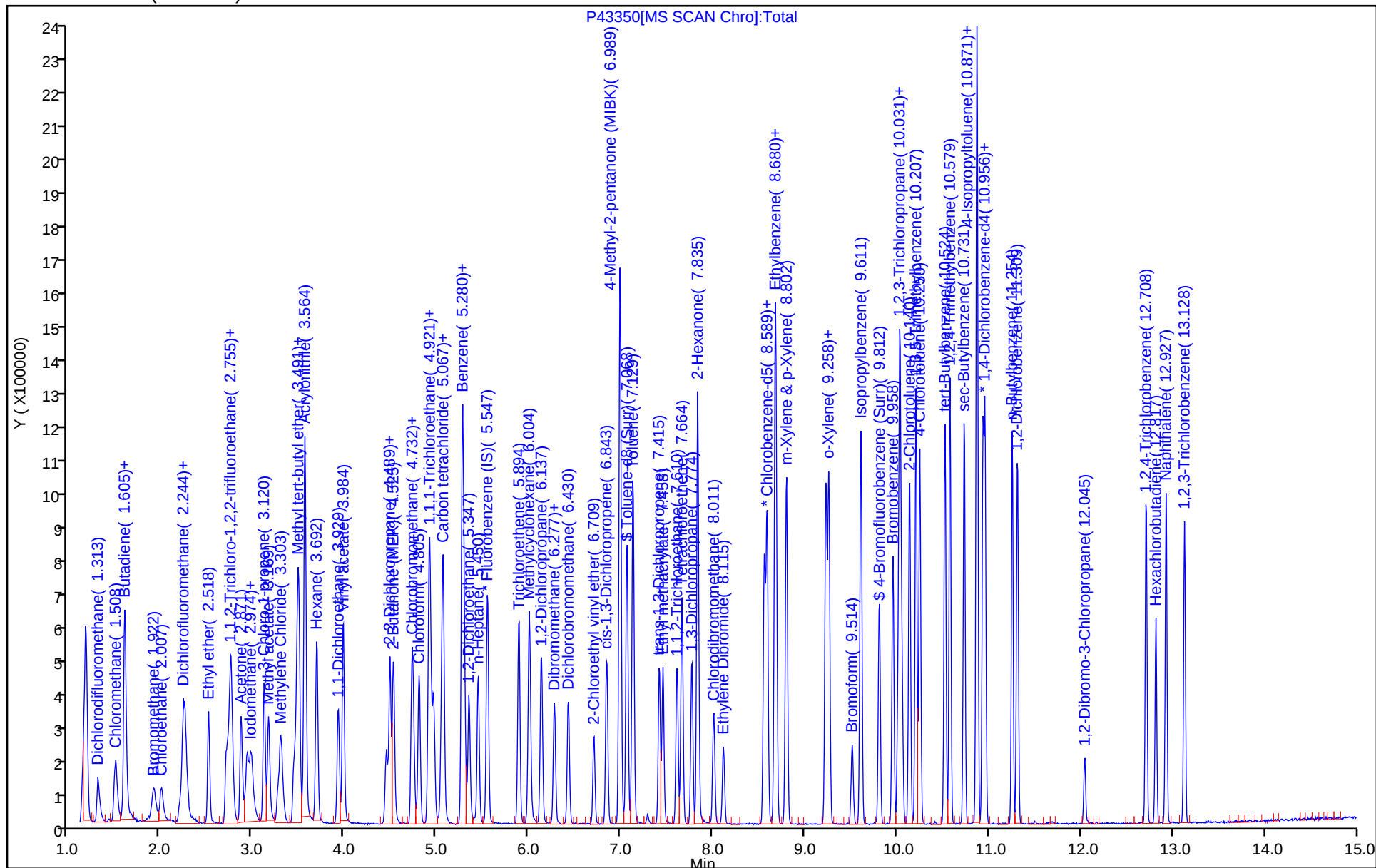
Dil. Factor: 1.0000

ALS Bottle#: 30

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-472891/3 Calibration Date: 05/15/2019 09:22
 Instrument ID: HP5973P Calib Start Date: 04/29/2019 14:46
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 04/29/2019 17:09
 Lab File ID: P43377.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	1.546	1.529	0.1000	24.7	25.0	-1.1	50.0
Chloromethane	Ave	2.631	2.759	0.1000	26.2	25.0	4.9	20.0
Vinyl chloride	Ave	1.881	1.654	0.1000	22.0	25.0	-12.1	20.0
Butadiene	Ave	2.434	2.075		21.3	25.0	-14.7	20.0
Bromomethane	Ave	1.132	1.062	0.1000	23.5	25.0	-6.1	50.0
Chloroethane	Ave	1.082	1.059	0.1000	24.5	25.0	-2.1	50.0
Dichlorofluoromethane	Ave	2.511	2.289		22.8	25.0	-8.8	20.0
Trichlorofluoromethane	Ave	2.507	2.356	0.1000	23.5	25.0	-6.0	20.0
Ethyl ether	Ave	1.829	1.782		24.4	25.0	-2.5	20.0
Acrolein	Ave	0.3252	0.3209		123	125	-1.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.474	1.506	0.1000	25.5	25.0	2.2	20.0
1,1-Dichloroethene	Ave	1.441	1.398	0.1000	24.3	25.0	-3.0	20.0
Acetone	Ave	0.7956	0.9563	0.1000	150	125	20.2	50.0
Iodomethane	Ave	2.794	3.085		27.6	25.0	10.4	20.0
Carbon disulfide	Ave	4.199	3.979	0.1000	23.7	25.0	-5.2	20.0
Allyl chloride	Ave	3.628	3.520		24.3	25.0	-3.0	20.0
Methyl acetate	Ave	1.908	1.940	0.1000	50.9	50.0	1.7	50.0
Methylene Chloride	Lin1		1.583	0.1000	24.8	25.0	-0.7	20.0
2-Methyl-2-propanol	Ave	0.2121	0.2516		297	250	18.6	50.0
Methyl tert-butyl ether	Ave	4.418	4.139	0.1000	23.4	25.0	-6.3	20.0
trans-1,2-Dichloroethene	Ave	1.649	1.642	0.1000	24.9	25.0	-0.4	20.0
Acrylonitrile	Ave	0.9071	0.9000		248	250	-0.8	20.0
Hexane	Ave	2.343	2.179		23.3	25.0	-7.0	20.0
1,1-Dichloroethane	Ave	3.120	3.112	0.2000	24.9	25.0	-0.3	20.0
Vinyl acetate	Ave	3.983	4.398		55.2	50.0	10.4	20.0
2,2-Dichloropropane	Ave	1.149	1.196		26.0	25.0	4.1	20.0
cis-1,2-Dichloroethene	Ave	1.724	1.791	0.1000	26.0	25.0	3.9	20.0
2-Butanone (MEK)	Ave	1.214	1.286	0.1000	132	125	6.0	20.0
Chlorobromomethane	Ave	1.046	1.039		24.8	25.0	-0.7	20.0
Tetrahydrofuran	Ave	0.8409	0.8092		48.1	50.0	-3.8	20.0
Chloroform	Ave	2.865	2.833	0.2000	24.7	25.0	-1.1	20.0
1,1,1-Trichloroethane	Ave	2.238	2.356	0.1000	26.3	25.0	5.3	20.0
Cyclohexane	Ave	3.153	2.903	0.1000	23.0	25.0	-7.9	20.0
Carbon tetrachloride	Ave	2.102	2.330	0.1000	27.7	25.0	10.9	20.0
1,1-Dichloropropene	Ave	2.034	1.976		24.3	25.0	-2.8	20.0
Benzene	Ave	6.145	5.826	0.5000	23.7	25.0	-5.2	20.0
Isobutyl alcohol	Ave	0.1031	0.1270		770	625	23.2	50.0
1,2-Dichloroethane	Ave	2.475	2.486	0.1000	25.1	25.0	0.4	20.0
n-Heptane	Ave	2.064	1.887		22.9	25.0	-8.6	20.0
Trichloroethene	Ave	1.688	1.657	0.2000	24.5	25.0	-1.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-472891/3 Calibration Date: 05/15/2019 09:22
 Instrument ID: HP5973P Calib Start Date: 04/29/2019 14:46
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 04/29/2019 17:09
 Lab File ID: P43377.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	2.009	2.046	0.1000	25.5	25.0	1.9	20.0
1,2-Dichloropropane	Ave	1.775	1.711	0.1000	24.1	25.0	-3.6	20.0
1,4-Dioxane	Lin1		0.0096		691	500	38.2	50.0
Dibromomethane	Ave	1.056	1.003	0.1000	23.7	25.0	-5.0	20.0
Bromodichloromethane	Ave	1.994	2.079	0.2000	26.1	25.0	4.3	20.0
2-Chloroethyl vinyl ether	Ave	0.9929	0.9166		23.1	25.0	-7.7	20.0
cis-1,3-Dichloropropene	Ave	2.304	2.253	0.2000	24.4	25.0	-2.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.215	1.156	0.1000	119	125	-4.9	20.0
Toluene	Ave	1.942	1.931	0.4000	24.9	25.0	-0.5	20.0
trans-1,3-Dichloropropene	Ave	0.9847	0.996	0.1000	25.3	25.0	1.1	20.0
Ethyl methacrylate	Ave	0.7916	0.8441		26.7	25.0	6.6	20.0
1,1,2-Trichloroethane	Ave	0.5540	0.5361	0.1000	24.2	25.0	-3.2	20.0
Tetrachloroethene	Ave	0.8928	0.9511	0.2000	26.6	25.0	6.5	20.0
1,3-Dichloropropane	Ave	1.084	1.049		24.2	25.0	-3.2	20.0
2-Hexanone	Ave	0.8297	0.9055	0.1000	136	125	9.1	20.0
Dibromochloromethane	Ave	0.7501	0.8643	0.1000	28.8	25.0	15.2	20.0
1,2-Dibromoethane	Ave	0.7183	0.7355		25.6	25.0	2.4	20.0
Chlorobenzene	Ave	2.244	2.300	0.5000	25.6	25.0	2.5	20.0
Ethylbenzene	Ave	3.438	3.444	0.1000	25.0	25.0	0.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.8277	0.8828		26.7	25.0	6.7	20.0
m,p-Xylene	Ave	1.307	1.400	0.1000	26.8	25.0	7.1	20.0
o-Xylene	Ave	1.341	1.367	0.3000	25.5	25.0	2.0	20.0
Styrene	Ave	2.348	2.469	0.3000	26.3	25.0	5.2	20.0
Bromoform	Ave	0.4928	0.6195	0.1000	31.4	25.0	25.7	50.0
Isopropylbenzene	Ave	2.764	2.662	0.1000	24.1	25.0	-3.7	20.0
Bromobenzene	Ave	0.8721	0.8639		24.8	25.0	-0.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7239	0.6742	0.3000	23.3	25.0	-6.9	20.0
N-Propylbenzene	Ave	3.183	3.012		23.7	25.0	-5.4	20.0
1,2,3-Trichloropropane	Ave	0.2434	0.2326		23.9	25.0	-4.4	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.2792		23.5	25.0	-5.8	50.0
2-Chlorotoluene	Ave	0.7307	0.7135		24.4	25.0	-2.4	20.0
1,3,5-Trimethylbenzene	Ave	2.334	2.348		25.1	25.0	0.6	20.0
4-Chlorotoluene	Ave	0.7530	0.7700		25.6	25.0	2.3	20.0
tert-Butylbenzene	Ave	0.5156	0.5312		25.8	25.0	3.0	20.0
1,2,4-Trimethylbenzene	Ave	2.402	2.439		25.4	25.0	1.5	20.0
sec-Butylbenzene	Ave	2.556	2.615		25.6	25.0	2.3	20.0
1,3-Dichlorobenzene	Ave	1.578	1.583	0.6000	25.1	25.0	0.3	20.0
4-Isopropyltoluene	Ave	2.335	2.409		25.8	25.0	3.2	20.0
1,4-Dichlorobenzene	Ave	1.615	1.614	0.5000	25.0	25.0	-0.0	20.0
n-Butylbenzene	Ave	1.885	1.856		24.6	25.0	-1.6	20.0
1,2-Dichlorobenzene	Ave	1.570	1.576	0.4000	25.1	25.0	0.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-472891/3 Calibration Date: 05/15/2019 09:22
 Instrument ID: HP5973P Calib Start Date: 04/29/2019 14:46
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 04/29/2019 17:09
 Lab File ID: P43377.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	0.1133	0.1232	0.0500	27.2	25.0	8.8	50.0
1,2,4-Trichlorobenzene	Ave	0.9483	1.048	0.2000	27.6	25.0	10.5	20.0
Hexachlorobutadiene	Ave	0.3371	0.3664		27.2	25.0	8.7	20.0
Naphthalene	Ave	2.423	2.458		25.4	25.0	1.4	20.0
1,2,3-Trichlorobenzene	Ave	0.8773	0.8986		25.6	25.0	2.4	20.0
Dibromofluoromethane (Surr)	Ave	1.480	1.578		26.7	25.0	6.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8088	0.8034		24.8	25.0	-0.7	20.0
Toluene-d8 (Surr)	Ave	2.411	2.436		25.3	25.0	1.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.9068	0.9753		26.9	25.0	7.6	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43377.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 15-May-2019 09:22:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0081100-003
 Operator ID: OI Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-May-2019 09:45:58 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: izquierdoo

Date: 15-May-2019 09:45:58

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	5.547	5.547	0.000	99	94881	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.559	0.000	86	201672	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	94	264505	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.969	4.969	0.000	94	149690	25.0	26.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.274	5.274	0.000	59	76231	25.0	24.8	
\$ 5 Toluene-d8 (Surr)	98	7.062	7.062	0.000	93	491303	25.0	25.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	95	196689	25.0	26.9	
10 Dichlorodifluoromethane	85	1.313	1.313	0.000	99	145071	25.0	24.7	
11 Chloromethane	50	1.502	1.502	0.000	100	261764	25.0	26.2	
144 Butadiene	54	1.605	1.605	0.000	94	196863	25.0	21.3	
17 Vinyl chloride	62	1.599	1.599	0.000	62	156954	25.0	22.0	
12 Bromomethane	94	1.921	1.921	0.000	93	100807	25.0	23.5	
13 Chloroethane	64	1.994	1.994	0.000	94	100525	25.0	24.5	
19 Dichlorofluoromethane	67	2.244	2.244	0.000	95	217210	25.0	22.8	
14 Trichlorofluoromethane	101	2.256	2.256	0.000	84	223544	25.0	23.5	
20 Ethyl ether	59	2.518	2.518	0.000	98	169098	25.0	24.4	
22 Acrolein	56	2.706	2.706	0.000	98	152241	125.0	123.3	
16 1,1,2-Trichloro-1,2,2-trif	101	2.743	2.743	0.000	89	142924	25.0	25.5	
25 1,1-Dichloroethene	96	2.767	2.767	0.000	94	132638	25.0	24.3	
24 Acetone	43	2.871	2.871	0.000	98	453673	125.0	150.3	
18 Iodomethane	142	2.931	2.931	0.000	98	292668	25.0	27.6	
27 Carbon disulfide	76	2.980	2.980	0.000	99	377521	25.0	23.7	
28 3-Chloro-1-propene	41	3.120	3.120	0.000	87	333971	25.0	24.3	
30 Methyl acetate	43	3.169	3.169	0.000	100	368193	50.0	50.9	
31 Methylene Chloride	84	3.302	3.302	0.000	91	150236	25.0	24.8	
33 2-Methyl-2-propanol	59	3.448	3.448	0.000	94	238718	250.0	296.6	
32 Methyl tert-butyl ether	73	3.485	3.485	0.000	96	392753	25.0	23.4	
35 trans-1,2-Dichloroethene	96	3.497	3.497	0.000	94	155774	25.0	24.9	
34 Acrylonitrile	53	3.564	3.564	0.000	99	853964	250.0	248.0	
36 Hexane	57	3.692	3.692	0.000	98	206791	25.0	23.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	3.929	3.929	0.000	96	295229	25.0	24.9	
38 Vinyl acetate	43	3.984	3.984	0.000	97	834541	50.0	55.2	
45 2,2-Dichloropropane	77	4.452	4.452	0.000	87	113452	25.0	26.0	
43 cis-1,2-Dichloroethene	96	4.489	4.489	0.000	82	169920	25.0	26.0	
44 2-Butanone (MEK)	43	4.525	4.525	0.000	96	610172	125.0	132.5	
50 Chlorobromomethane	128	4.732	4.732	0.000	94	98544	25.0	24.8	
51 Tetrahydrofuran	42	4.744	4.744	0.000	94	153549	50.0	48.1	
49 Chloroform	83	4.805	4.805	0.000	97	268752	25.0	24.7	
52 1,1,1-Trichloroethane	97	4.915	4.915	0.000	96	223553	25.0	26.3	
54 Cyclohexane	56	4.921	4.921	0.000	97	275444	25.0	23.0	
55 Carbon tetrachloride	117	5.055	5.055	0.000	96	221104	25.0	27.7	
56 1,1-Dichloropropene	75	5.073	5.073	0.000	86	187523	25.0	24.3	
57 Benzene	78	5.280	5.280	0.000	93	552770	25.0	23.7	
53 Isobutyl alcohol	43	5.298	5.298	0.000	94	301271	625.0	770.1	
60 1,2-Dichloroethane	62	5.347	5.347	0.000	95	235854	25.0	25.1	
59 n-Heptane	43	5.450	5.450	0.000	96	179027	25.0	22.9	
62 Trichloroethene	95	5.888	5.888	0.000	95	157220	25.0	24.5	
64 Methylcyclohexane	83	6.004	6.004	0.000	97	194161	25.0	25.5	
63 1,2-Dichloropropane	63	6.137	6.137	0.000	90	162330	25.0	24.1	
69 Dibromomethane	93	6.277	6.277	0.000	90	95151	25.0	23.7	
68 1,4-Dioxane	88	6.277	6.277	0.000	47	38693	500.0	691.2	
70 Dichlorobromomethane	83	6.429	6.429	0.000	96	197287	25.0	26.1	
71 2-Chloroethyl vinyl ether	63	6.709	6.709	0.000	88	86969	25.0	23.1	
73 cis-1,3-Dichloropropene	75	6.843	6.843	0.000	86	213730	25.0	24.4	
75 4-Methyl-2-pentanone (MIBK)	43	6.989	6.989	0.000	99	1165389	125.0	118.9	
76 Toluene	92	7.129	7.129	0.000	97	389494	25.0	24.9	
78 trans-1,3-Dichloropropene	75	7.415	7.415	0.000	96	200800	25.0	25.3	
77 Ethyl methacrylate	69	7.458	7.458	0.000	91	170239	25.0	26.7	
79 1,1,2-Trichloroethane	83	7.610	7.610	0.000	91	108115	25.0	24.2	
80 Tetrachloroethene	166	7.664	7.664	0.000	97	191802	25.0	26.6	
82 1,3-Dichloropropane	76	7.774	7.774	0.000	94	211603	25.0	24.2	
83 2-Hexanone	43	7.835	7.835	0.000	97	913107	125.0	136.4	
81 Chlorodibromomethane	129	8.011	8.011	0.000	90	174295	25.0	28.8	
85 Ethylene Dibromide	107	8.115	8.115	0.000	97	148332	25.0	25.6	
87 Chlorobenzene	112	8.589	8.589	0.000	97	463880	25.0	25.6	
89 Ethylbenzene	91	8.674	8.674	0.000	98	694546	25.0	25.0	
88 1,1,1,2-Tetrachloroethane	131	8.686	8.686	0.000	93	178035	25.0	26.7	
90 m-Xylene & p-Xylene	106	8.802	8.802	0.000	99	282335	25.0	26.8	
93 o-Xylene	106	9.228	9.228	0.000	98	275776	25.0	25.5	
94 Styrene	104	9.264	9.264	0.000	96	497934	25.0	26.3	
92 Bromoform	173	9.514	9.514	0.000	96	124937	25.0	31.4	
95 Isopropylbenzene	105	9.611	9.611	0.000	96	704123	25.0	24.1	
100 Bromobenzene	156	9.958	9.958	0.000	82	228510	25.0	24.8	
97 1,1,2,2-Tetrachloroethane	83	10.013	10.013	0.000	95	178322	25.0	23.3	
99 N-Propylbenzene	91	10.031	10.031	0.000	99	796692	25.0	23.7	
101 1,2,3-Trichloropropane	110	10.049	10.049	0.000	91	61534	25.0	23.9	
98 trans-1,4-Dichloro-2-buten	53	10.055	10.055	0.000	79	73846	25.0	23.5	
103 2-Chlorotoluene	126	10.140	10.140	0.000	97	188736	25.0	24.4	
102 1,3,5-Trimethylbenzene	105	10.207	10.207	0.000	94	620997	25.0	25.1	
105 4-Chlorotoluene	126	10.250	10.250	0.000	96	203680	25.0	25.6	
106 tert-Butylbenzene	134	10.524	10.524	0.000	94	140511	25.0	25.8	
107 1,2,4-Trimethylbenzene	105	10.578	10.578	0.000	97	645158	25.0	25.4	

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	10.730	10.730	0.000	94	691549	25.0	25.6	
112 4-Isopropyltoluene	119	10.870	10.870	0.000	96	637203	25.0	25.8	
110 1,3-Dichlorobenzene	146	10.870	10.870	0.000	78	418630	25.0	25.1	
111 1,4-Dichlorobenzene	146	10.962	10.962	0.000	95	427005	25.0	25.0	
115 n-Butylbenzene	91	11.254	11.254	0.000	97	490868	25.0	24.6	
116 1,2-Dichlorobenzene	146	11.308	11.308	0.000	98	416867	25.0	25.1	
117 1,2-Dibromo-3-Chloropropan	75	12.045	12.045	0.000	88	32589	25.0	27.2	
119 1,2,4-Trichlorobenzene	180	12.714	12.714	0.000	95	277105	25.0	27.6	
120 Hexachlorobutadiene	225	12.817	12.817	0.000	96	96916	25.0	27.2	
121 Naphthalene	128	12.927	12.927	0.000	97	650181	25.0	25.4	
122 1,2,3-Trichlorobenzene	180	13.127	13.127	0.000	95	237673	25.0	25.6	

Reagents:

8260 CORP mix_00154	Amount Added: 12.50	Units: uL	
GAS CORP mix_00341	Amount Added: 12.50	Units: uL	
P 8260 IS_00373	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00342	Amount Added: 1.25	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43377.D

Injection Date: 15-May-2019 09:22:30

Instrument ID: HP5973P

Operator ID: OI

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

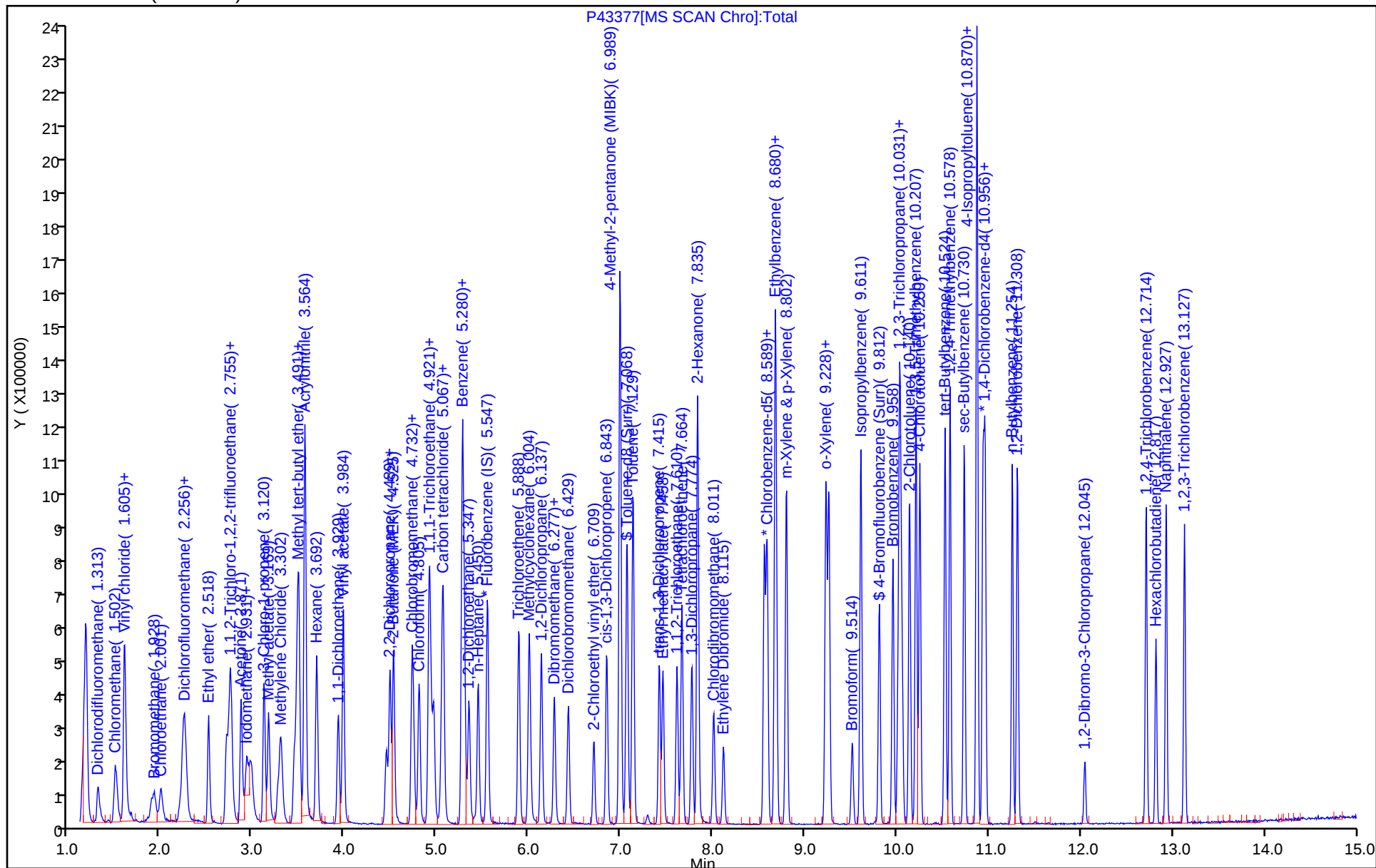
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42641.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 29-Apr-2019 13:56:30 ALS Bottle#: 1 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0080635-003
Operator ID: RF Instrument ID: HP5973P
Method: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 30-Apr-2019 14:50:04 Calib Date: 29-Apr-2019 20:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0310

First Level Reviewer: cwiklinc

Date: 30-Apr-2019 14:50:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
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\$ 21 BFB	95	3.824	3.824	0.000	0	197029	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00086

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42641.D

Injection Date: 29-Apr-2019 13:56:30

Instrument ID: HP5973P

Lims ID: BFB

Client ID:

Operator ID: RF

ALS Bottle#: 1 Worklist Smp#: 3

Injection Vol: 1.0 uL

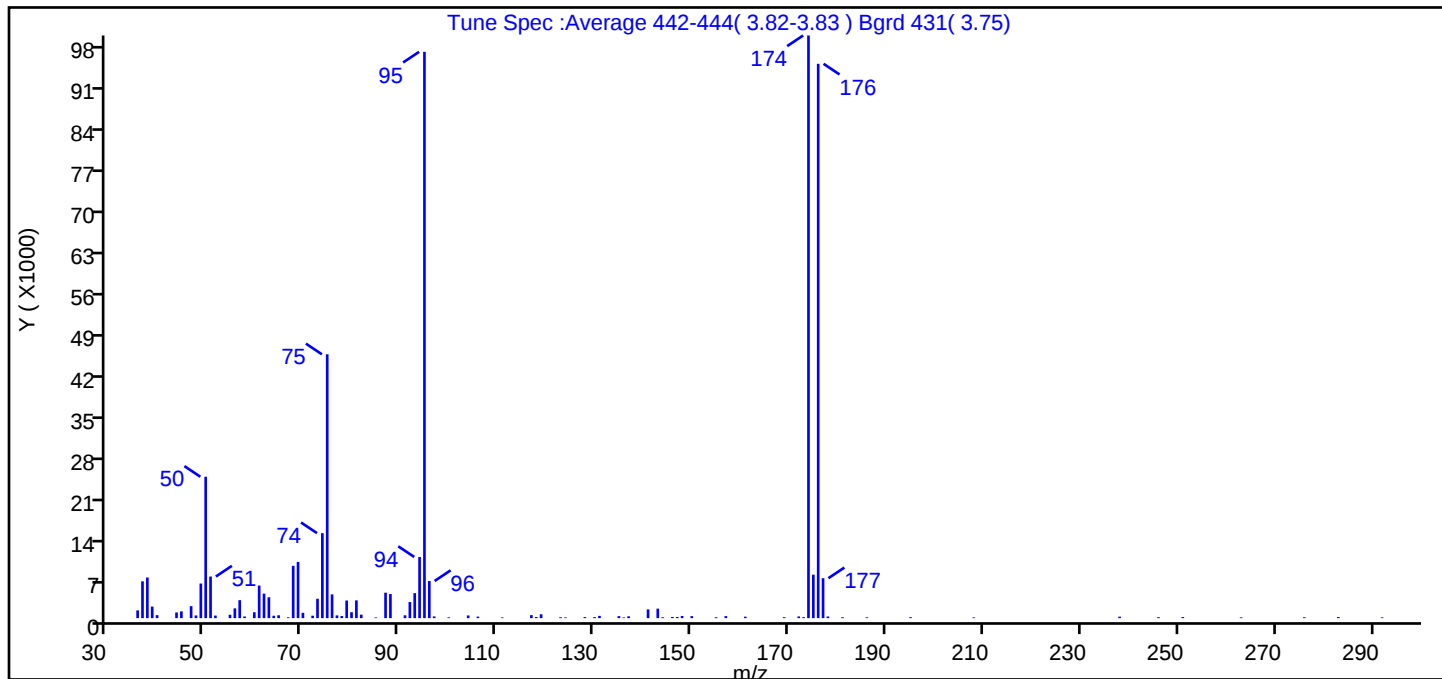
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	25.0
75	30 to 60% of m/z 95	46.6
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.2 (0.2)
174	50 to 120% of m/z 95	102.9
175	5 to 9% of m/z 174	7.7 (7.5)
176	Greater than 95% but less than 101% of m/z 174	97.9 (95.1)
177	5 to 9% of m/z 176	7.1 (7.2)

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42641.D\P-8260H2O.rsl\spectra.d
Injection Date: 29-Apr-2019 13:56:30
Spectrum: Tune Spec :Average 442-444(3.82-3.83) Bgrd 431(3.75)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 92

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1321	67.00	140	96.00	6329	150.00	343
37.00	6269	68.00	8909	97.00	294	155.00	158
38.00	6923	69.00	9580	100.00	132	157.00	349
39.00	1970	70.00	908	104.00	456	161.00	250
40.00	512	72.00	417	106.00	259	169.00	160
44.00	970	73.00	3304	111.00	119	172.00	289
45.00	1157	74.00	14476	117.00	512	173.00	168
47.00	2040	75.00	44936	118.00	197	174.00	99232
48.00	459	76.00	4045	119.00	658	175.00	7405
49.00	5894	77.00	470	123.00	153	176.00	94408
50.00	24080	78.00	360	124.00	123	177.00	6801
51.00	7091	79.00	3003	128.00	181	178.00	281
52.00	439	80.00	1007	130.00	181	181.00	153
55.00	574	81.00	3028	131.00	384	186.00	138
56.00	1663	82.00	596	135.00	350	195.00	163
57.00	3064	85.00	119	136.00	117	208.00	124
58.00	282	87.00	4335	137.00	316	238.00	252
60.00	1007	88.00	4101	141.00	1487	246.00	163
61.00	5550	91.00	482	143.00	1616	251.00	187
62.00	4172	92.00	2743	144.00	143	263.00	131
63.00	3559	93.00	4259	146.00	202	276.00	148
64.00	409	94.00	10419	147.00	200	283.00	183
65.00	487	95.00	96448	148.00	368	292.00	129

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43349.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 14-May-2019 21:30:30 ALS Bottle#: 29 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0081087-002
Operator ID: OI Instrument ID: HP5973P
Method: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 15-May-2019 08:53:47 Calib Date: 29-Apr-2019 20:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0336

First Level Reviewer: izquierdoo

Date: 15-May-2019 07:53:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
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\$ 21 BFB	95	3.867	3.867	0.000	0	711558	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00086

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43349.D

Injection Date: 14-May-2019 21:30:30

Instrument ID: HP5973P

Lims ID: BFB

Client ID:

Operator ID: OI

ALS Bottle#: 29

Worklist Smp#: 2

Injection Vol: 1.0 uL

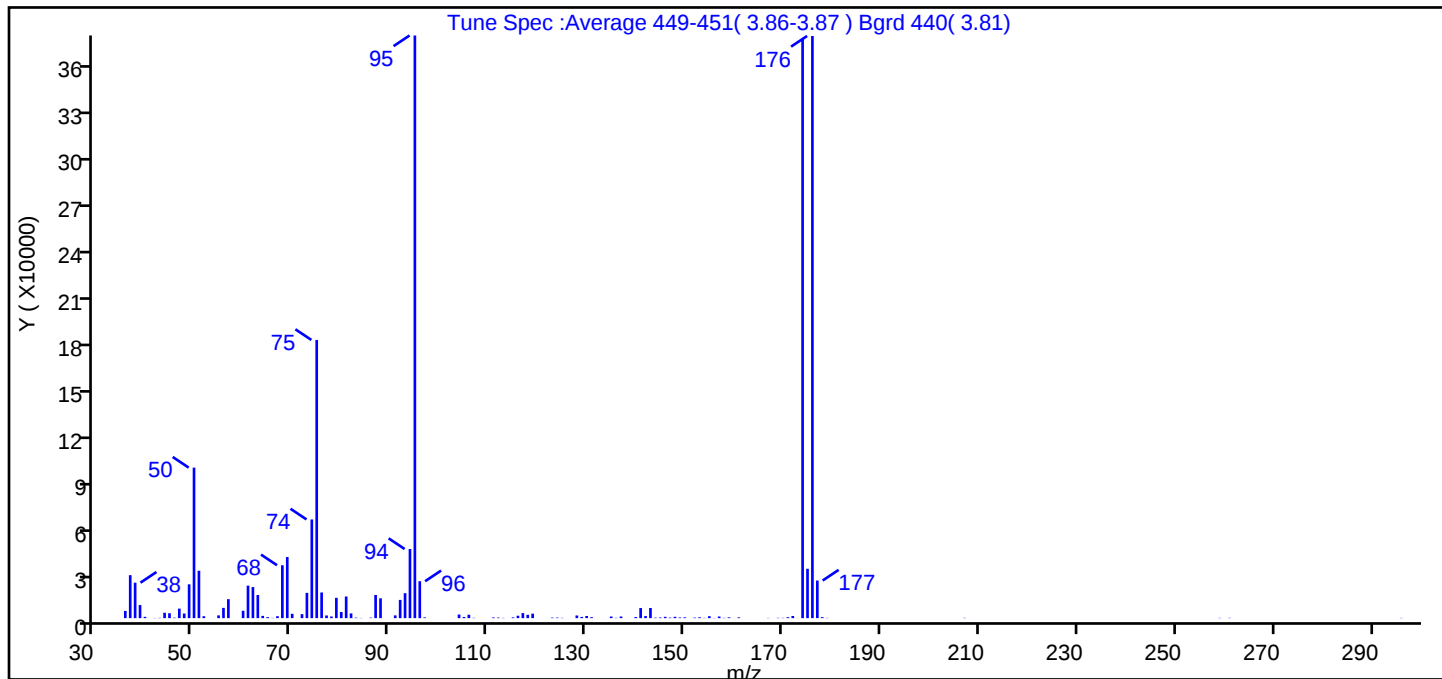
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	25.8
75	30 to 60% of m/z 95	47.7
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	99.4
175	5 to 9% of m/z 174	8.5 (8.5)
176	Greater than 95% but less than 101% of m/z 174	99.9 (100.6)
177	5 to 9% of m/z 176	6.5 (6.5)

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\IP43349.D\IP-8260H2O.rsl\spectra.d
Injection Date: 14-May-2019 21:30:30
Spectrum: Tune Spec :Average 449-451(3.86-3.87) Bgrd 440(3.81)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 110

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4635	69.00	39160	107.00	193	149.00	419
37.00	27528	70.00	2784	111.00	435	150.00	518
38.00	22720	72.00	2570	112.00	364	152.00	343
39.00	8390	73.00	16190	113.00	165	153.00	547
40.00	836	74.00	63224	115.00	495	154.00	165
42.00	131	75.00	178176	116.00	1552	155.00	1232
43.00	185	76.00	16440	117.00	3237	156.00	116
44.00	3462	77.00	1713	118.00	2125	157.00	1063
45.00	3141	78.00	1045	119.00	2874	158.00	187
46.00	297	79.00	13013	123.00	351	159.00	505
47.00	6105	80.00	3902	124.00	359	161.00	505
48.00	2952	81.00	13868	125.00	176	167.00	138
49.00	21656	82.00	3026	128.00	1717	169.00	207
50.00	96400	83.00	335	129.00	792	170.00	168
51.00	30368	84.00	124	130.00	1388	171.00	603
52.00	1222	86.00	317	131.00	619	172.00	1384
55.00	1774	87.00	14844	135.00	1037	174.00	370816
56.00	6574	88.00	12700	136.00	186	175.00	31624
57.00	12162	91.00	1768	137.00	1051	176.00	372864
60.00	4726	92.00	11686	140.00	700	177.00	24088
61.00	20808	93.00	15990	141.00	6466	178.00	643
62.00	19912	94.00	44280	142.00	1334	179.00	149
63.00	14818	95.00	373184	143.00	6484	207.00	187
64.00	1443	96.00	23648	144.00	309	259.00	175
65.00	644	97.00	472	145.00	412	261.00	194
66.00	144	104.00	2305	146.00	838	296.00	148
67.00	1249	105.00	727	147.00	341		
68.00	33872	106.00	2186	148.00	859		

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43376.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 15-May-2019 08:57:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0081100-002
 Operator ID: OI Instrument ID: HP5973P
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-May-2019 09:45:18 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: izquierdoo

Date: 15-May-2019 09:45:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
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\$ 21 BFB	95	3.824	3.824	0.000	0	101430	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00086

Amount Added: 1.00

Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43376.D

Injection Date: 15-May-2019 08:57:30

Instrument ID: HP5973P

Lims ID: BFB

Client ID:

Operator ID: OI

ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 uL

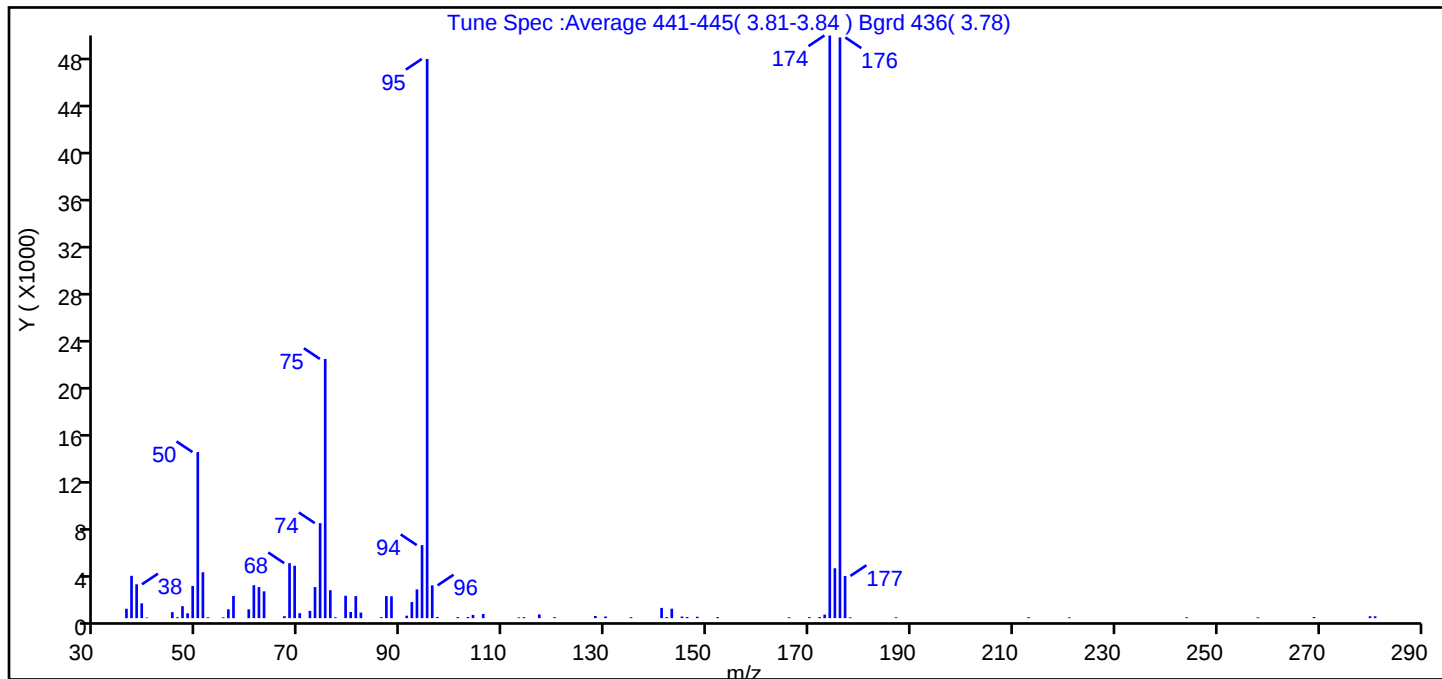
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	29.7
75	30 to 60% of m/z 95	46.4
96	5 to 9% of m/z 95	5.9
173	Less than 2% of m/z 174	0.6 (0.6)
174	50 to 120% of m/z 95	104.2
175	5 to 9% of m/z 174	8.9 (8.6)
176	Greater than 95% but less than 101% of m/z 174	103.9 (99.7)
177	5 to 9% of m/z 176	7.5 (7.3)

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\IP43376.D\IP-8260H2O.rslt\spectra.d
 Injection Date: 15-May-2019 08:57:30
 Spectrum: Tune Spec :Average 441-445(3.81-3.84) Bgrd 436(3.78)
 Base Peak: 174.00
 Minimum % Base Peak: 0
 Number of Points: 79

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	804	67.00	170	94.00	6268	148.00	122
37.00	3632	68.00	4718	95.00	47976	152.00	94
38.00	2903	69.00	4493	96.00	2812	166.00	73
39.00	1269	70.00	424	97.00	101	170.00	88
40.00	53	72.00	627	101.00	90	172.00	93
45.00	514	73.00	2664	103.00	96	173.00	302
46.00	80	74.00	8153	104.00	280	174.00	49992
47.00	1030	75.00	22240	106.00	357	175.00	4282
48.00	417	76.00	2397	113.00	72	176.00	49824
49.00	2762	77.00	77	114.00	86	177.00	3621
50.00	14248	79.00	1923	117.00	321	178.00	70
51.00	3933	80.00	530	120.00	83	187.00	72
52.00	74	81.00	1892	128.00	189	213.00	79
55.00	71	82.00	477	130.00	144	221.00	70
56.00	756	86.00	80	135.00	85	244.00	75
57.00	1908	87.00	1896	141.00	878	258.00	70
60.00	756	88.00	1874	142.00	94	269.00	98
61.00	2825	91.00	213	143.00	809	280.00	164
62.00	2663	92.00	1380	145.00	140	281.00	158
63.00	2299	93.00	2467	146.00	101		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-472817/7
 Matrix: Water Lab File ID: P43354.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/14/2019 23:29
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472817 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-472817/7
 Matrix: Water Lab File ID: P43354.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/14/2019 23:29
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472817 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43354.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 14-May-2019 23:29:30 ALS Bottle#: 34 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0081087-007
 Operator ID: OI Instrument ID: HP5973P
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-May-2019 09:54:07 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: izquierdoo

Date: 15-May-2019 09:54:07

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	5.553	5.547	0.006	99	92617	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.558	0.001	86	202791	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	94	260656	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.963	4.963	0.000	94	145844	25.0	26.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.280	5.279	0.001	95	74729	25.0	24.9	
\$ 5 Toluene-d8 (Surr)	98	7.068	7.068	0.000	94	467291	25.0	23.9	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	93	196339	25.0	26.7	
10 Dichlorodifluoromethane	85		1.313					ND	
15 Chlorodifluoromethane	51		1.343					ND	
11 Chloromethane	50		1.508					ND	
144 Butadiene	54		1.605					ND	
17 Vinyl chloride	62		1.611					ND	
12 Bromomethane	94		1.922					ND	
13 Chloroethane	64		2.007					ND	
19 Dichlorofluoromethane	67		2.244					ND	
14 Trichlorofluoromethane	101		2.250					ND	
141 Ethanol	45		2.518					ND	U
20 Ethyl ether	59		2.518					ND	
26 Propene oxide	58		2.609					ND	
22 Acrolein	56		2.706					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		2.743					ND	
25 1,1-Dichloroethene	96		2.761					ND	
24 Acetone	43		2.871					ND	
18 Iodomethane	142		2.938					ND	
27 Carbon disulfide	76		2.986					ND	
23 Isopropyl alcohol	45		3.077					ND	
28 3-Chloro-1-propene	41		3.120					ND	
30 Methyl acetate	43		3.169					ND	
29 Acetonitrile	40		3.193					ND	
31 Methylene Chloride	84		3.303					ND	
33 2-Methyl-2-propanol	59		3.449					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		3.479					ND	
35 trans-1,2-Dichloroethene	96		3.503					ND	
34 Acrylonitrile	53		3.564					ND	
36 Hexane	57		3.692					ND	
40 1,1-Dichloroethane	63		3.929					ND	
37 Isopropyl ether	45		3.978					ND	
41 2-Chloro-1,3-butadiene	53		3.984					ND	
38 Vinyl acetate	43		3.984					ND	
39 1,1-Dimethoxyethane	75		4.020					ND	
42 Tert-butyl ethyl ether	59		4.276					ND	
45 2,2-Dichloropropane	77		4.446					ND	
43 cis-1,2-Dichloroethene	96		4.489					ND	
44 2-Butanone (MEK)	43		4.525					ND	
46 Ethyl acetate	43		4.555					ND	
47 Propionitrile	54		4.641					ND	
50 Chlorobromomethane	128		4.732					ND	
48 Methacrylonitrile	41		4.744					ND	
51 Tetrahydrofuran	42		4.744					ND	
49 Chloroform	83		4.805					ND	
52 1,1,1-Trichloroethane	97		4.915					ND	
54 Cyclohexane	56		4.921					ND	
55 Carbon tetrachloride	117		5.055					ND	
56 1,1-Dichloropropene	75		5.067					ND	
57 Benzene	78		5.280					ND	
53 Isobutyl alcohol	43		5.292					ND	
146 Isooctane	57		5.298					ND	
60 1,2-Dichloroethane	62		5.347					ND	
58 Tert-amyl methyl ether	73		5.352					ND	
140 t-Amyl alcohol	59		5.359					ND	
59 n-Heptane	43		5.450					ND	
1 1,4-Difluorobenzene	114		5.657					ND	
62 Trichloroethene	95		5.894					ND	
61 n-Butanol	56		5.936					ND	
64 Methylcyclohexane	83		6.004					ND	
145 Ethyl acrylate	55		6.016					ND	
63 1,2-Dichloropropane	63		6.137					ND	
65 Methyl methacrylate	41		6.235					ND	
69 Dibromomethane	93		6.277					ND	
68 1,4-Dioxane	88		6.277					ND	
70 Dichlorobromomethane	83		6.430					ND	
72 2-Nitropropane	43		6.703					ND	
71 2-Chloroethyl vinyl ether	63		6.703					ND	
74 Epichlorohydrin	57		6.806					ND	
73 cis-1,3-Dichloropropene	75		6.843					ND	
75 4-Methyl-2-pentanone (MIBK)	43		6.989					ND	
76 Toluene	92		7.129					ND	
78 trans-1,3-Dichloropropene	75		7.415					ND	
77 Ethyl methacrylate	69		7.458					ND	
79 1,1,2-Trichloroethane	83		7.610					ND	
80 Tetrachloroethene	166		7.664					ND	
82 1,3-Dichloropropane	76		7.774					ND	
83 2-Hexanone	43		7.835					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
149 n-Butyl acetate	43		7.944					ND	
81 Chlorodibromomethane	129		8.011					ND	
85 Ethylene Dibromide	107		8.115					ND	
139 1-Chlorohexane	55		8.534					ND	
84 3-Chlorobenzotrifluoride	180		8.552					ND	
87 Chlorobenzene	112		8.589					ND	
86 4-Chlorobenzotrifluoride	180		8.613					ND	
89 Ethylbenzene	91		8.674					ND	
88 1,1,1,2-Tetrachloroethane	131		8.687					ND	
90 m-Xylene & p-Xylene	106		8.802					ND	
93 o-Xylene	106		9.228					ND	
94 Styrene	104		9.258					ND	
92 Bromoform	173		9.514					ND	
91 2-Chlorobenzotrifluoride	180		9.538					ND	
95 Isopropylbenzene	105		9.611					ND	
66 2-Methylthiophene	97		9.687					ND	
96 Cyclohexanone	55		9.787					ND	
67 3-Methylthiophene	97		9.894					ND	
100 Bromobenzene	156		9.958					ND	
97 1,1,2,2-Tetrachloroethane	83		10.019					ND	
99 N-Propylbenzene	91		10.031					ND	
101 1,2,3-Trichloropropane	110		10.049					ND	
98 trans-1,4-Dichloro-2-buten	53		10.061					ND	
103 2-Chlorotoluene	126		10.140					ND	
104 3-Chlorotoluene	126		10.201					ND	
102 1,3,5-Trimethylbenzene	105		10.207					ND	
105 4-Chlorotoluene	126		10.250					ND	
106 tert-Butylbenzene	134		10.524					ND	
107 1,2,4-Trimethylbenzene	105		10.579					ND	
108 Pentachloroethane	167		10.590					ND	
109 sec-Butylbenzene	105		10.731					ND	
110 1,3-Dichlorobenzene	146		10.871					ND	
112 4-Isopropyltoluene	119		10.871					ND	
114 Dicyclopentadiene	66		10.943					ND	U
111 1,4-Dichlorobenzene	146		10.962					ND	
113 1,2,3-Trimethylbenzene	105		10.986					ND	
143 Benzyl chloride	126		11.107					ND	
115 n-Butylbenzene	91		11.254					ND	Ua
116 1,2-Dichlorobenzene	146		11.309					ND	
117 1,2-Dibromo-3-Chloropropan	75		12.045					ND	
118 1,3,5-Trichlorobenzene	180		12.172					ND	
119 1,2,4-Trichlorobenzene	180		12.714					ND	Ua
120 Hexachlorobutadiene	225	12.817	12.817	0.000	79	1849		0.5260	
121 Naphthalene	128		12.927					ND	
122 1,2,3-Trichlorobenzene	180		13.128					ND	
142 2-Methylnaphthalene	142		13.839					ND	
137 1-Bromopropane TIC	1		0.000					ND	
138 Ethylene oxide TIC	1		0.000					ND	
136 Propene oxide TIC	1		0.000					ND	
134 Halothane	1		0.000					ND	
135 Pentachloroethane TIC	1		0.000					ND	
S 125 Total BTEX	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 124 1,3-Dichloropropene, Total	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 151 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

P 8260 IS_00373

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00342

Amount Added: 1.25

Units: uL

Run Reagent

Report Date: 15-May-2019 09:54:07

Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43354.D

Injection Date: 14-May-2019 23:29:30

Instrument ID: HP5973P

Operator ID: OI

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

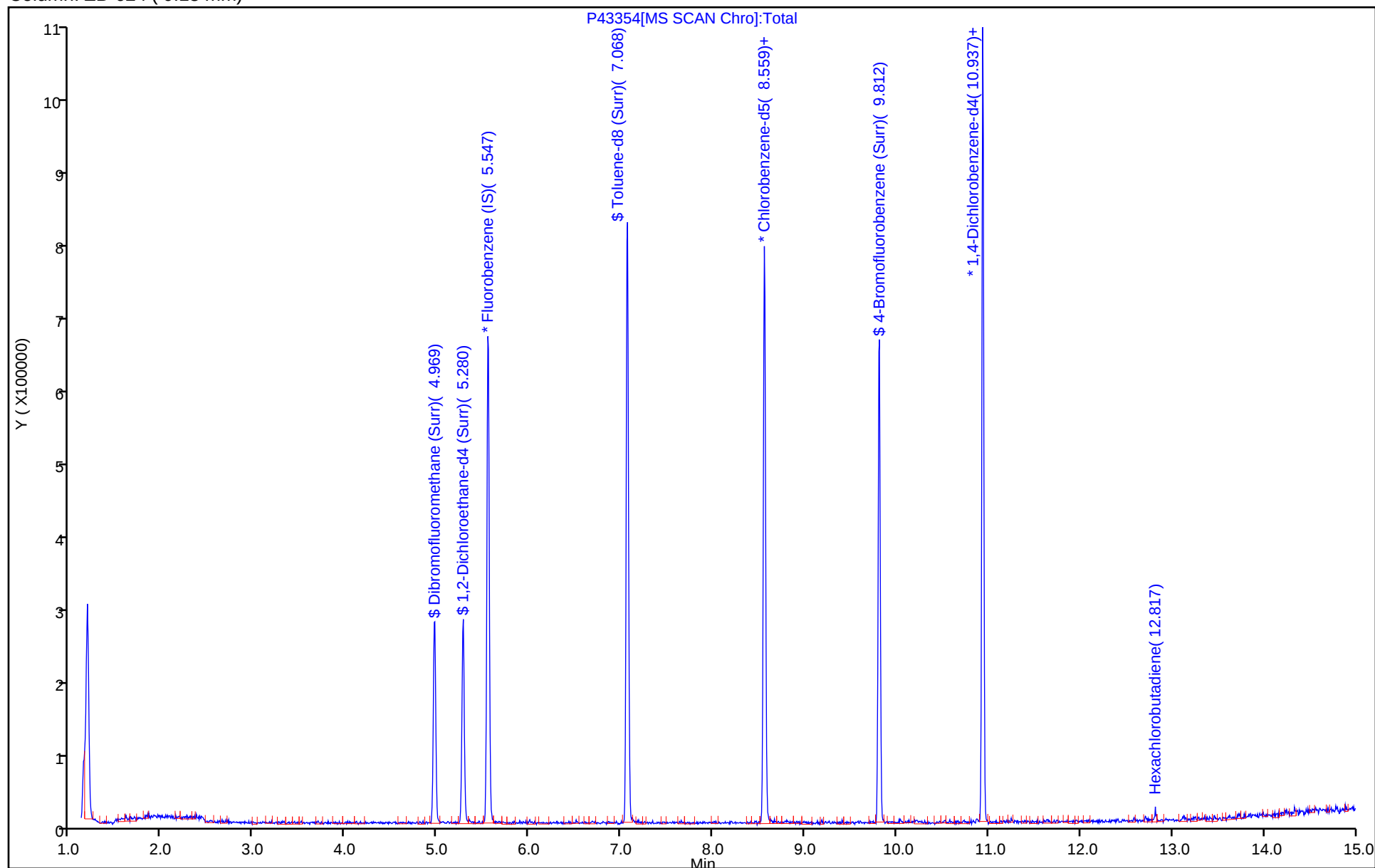
Dil. Factor: 1.0000

ALS Bottle#: 34

Method: P-8260H2O

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.: 480-152979-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-472891/7
 Matrix: Water Lab File ID: P43381.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 11:10
 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.: 472891 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	ND		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	ND		1.0	0.77
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-472891/7
 Matrix: Water Lab File ID: P43381.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 11:10
 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.: 472891 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	110		75-123
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43381.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 15-May-2019 11:10:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0081100-007
 Operator ID: OI Instrument ID: HP5973P
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-May-2019 11:25:12 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: izquierdoo

Date: 15-May-2019 11:25:12

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	5.547	5.547	0.000	98	87491	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.559	0.000	86	203912	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	95	256106	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.969	4.963	0.006	93	142358	25.0	27.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.280	5.280	0.000	94	69049	25.0	24.4	
\$ 5 Toluene-d8 (Surr)	98	7.068	7.062	0.006	94	477854	25.0	24.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	96	194045	25.0	26.2	
10 Dichlorodifluoromethane	85		1.313					ND	
15 Chlorodifluoromethane	51		1.343					ND	
11 Chloromethane	50		1.508					ND	
144 Butadiene	54		1.605					ND	
17 Vinyl chloride	62		1.611					ND	
12 Bromomethane	94		1.927					ND	
13 Chloroethane	64		2.007					ND	
19 Dichlorofluoromethane	67		2.244					ND	
14 Trichlorofluoromethane	101		2.250					ND	
20 Ethyl ether	59		2.512					ND	
141 Ethanol	45		2.542					ND	
26 Propene oxide	58		2.615					ND	
22 Acrolein	56		2.712					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		2.743					ND	
25 1,1-Dichloroethene	96		2.767					ND	
24 Acetone	43		2.870					ND	
18 Iodomethane	142		2.931					ND	
27 Carbon disulfide	76		2.986					ND	
23 Isopropyl alcohol	45		3.065					ND	
28 3-Chloro-1-propene	41		3.120					ND	
30 Methyl acetate	43		3.169					ND	
29 Acetonitrile	40		3.187					ND	
31 Methylene Chloride	84		3.302					ND	
33 2-Methyl-2-propanol	59		3.448					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		3.479					ND	
35 trans-1,2-Dichloroethene	96		3.497					ND	
34 Acrylonitrile	53		3.564					ND	
36 Hexane	57		3.692					ND	
40 1,1-Dichloroethane	63		3.923					ND	
37 Isopropyl ether	45		3.935					ND	
41 2-Chloro-1,3-butadiene	53		3.984					ND	
38 Vinyl acetate	43		3.984					ND	
39 1,1-Dimethoxyethane	75		4.014					ND	
42 Tert-butyl ethyl ether	59		4.282					ND	
45 2,2-Dichloropropane	77		4.452					ND	
43 cis-1,2-Dichloroethene	96		4.489					ND	
44 2-Butanone (MEK)	43		4.525					ND	
46 Ethyl acetate	43		4.555					ND	
47 Propionitrile	54		4.641					ND	
50 Chlorobromomethane	128		4.732					ND	
48 Methacrylonitrile	41		4.744					ND	
51 Tetrahydrofuran	42		4.744					ND	
49 Chloroform	83	4.805	4.805	0.000	30	1848		0.1843	a
52 1,1,1-Trichloroethane	97		4.915					ND	
54 Cyclohexane	56		4.921					ND	
55 Carbon tetrachloride	117		5.054					ND	
56 1,1-Dichloropropene	75		5.067					ND	
146 Isooctane	57		5.267					ND	
57 Benzene	78		5.273					ND	
53 Isobutyl alcohol	43		5.304					ND	
58 Tert-amyl methyl ether	73		5.346					ND	
60 1,2-Dichloroethane	62		5.346					ND	
140 t-Amyl alcohol	59		5.352					ND	
59 n-Heptane	43		5.450					ND	U
1 1,4-Difluorobenzene	114		5.663					ND	
62 Trichloroethene	95		5.888					ND	
61 n-Butanol	56		5.918					ND	
64 Methylcyclohexane	83		6.010					ND	
145 Ethyl acrylate	55		6.016					ND	
63 1,2-Dichloropropane	63		6.137					ND	
65 Methyl methacrylate	41		6.235					ND	
69 Dibromomethane	93		6.277					ND	
68 1,4-Dioxane	88		6.277					ND	
70 Dichlorobromomethane	83		6.429					ND	
72 2-Nitropropane	43		6.691					ND	
71 2-Chloroethyl vinyl ether	63		6.709					ND	
74 Epichlorohydrin	57		6.806					ND	
73 cis-1,3-Dichloropropene	75		6.843					ND	
75 4-Methyl-2-pentanone (MIBK)	43		6.989					ND	
76 Toluene	92		7.135					ND	
78 trans-1,3-Dichloropropene	75		7.421					ND	
77 Ethyl methacrylate	69		7.457					ND	
79 1,1,2-Trichloroethane	83		7.610					ND	
80 Tetrachloroethene	166		7.664					ND	
82 1,3-Dichloropropane	76		7.774					ND	
83 2-Hexanone	43		7.835					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
149 n-Butyl acetate	43		7.938					ND	
81 Chlorodibromomethane	129		8.011					ND	
85 Ethylene Dibromide	107		8.114					ND	
139 1-Chlorohexane	55		8.534					ND	
84 3-Chlorobenzotrifluoride	180		8.552					ND	
87 Chlorobenzene	112		8.589					ND	
86 4-Chlorobenzotrifluoride	180		8.619					ND	
89 Ethylbenzene	91		8.674					ND	
88 1,1,1,2-Tetrachloroethane	131		8.686					ND	
90 m-Xylene & p-Xylene	106		8.802					ND	
93 o-Xylene	106		9.234					ND	
94 Styrene	104		9.258					ND	
92 Bromoform	173		9.514					ND	
91 2-Chlorobenzotrifluoride	180		9.538					ND	
95 Isopropylbenzene	105		9.611					ND	
66 2-Methylthiophene	97		9.687					ND	
96 Cyclohexanone	55		9.787					ND	
67 3-Methylthiophene	97		9.894					ND	
100 Bromobenzene	156		9.958					ND	
97 1,1,2,2-Tetrachloroethane	83		10.013					ND	
99 N-Propylbenzene	91		10.031					ND	
101 1,2,3-Trichloropropane	110		10.049					ND	
98 trans-1,4-Dichloro-2-buten	53		10.061					ND	
103 2-Chlorotoluene	126		10.140					ND	
104 3-Chlorotoluene	126		10.201					ND	
102 1,3,5-Trimethylbenzene	105		10.207					ND	
105 4-Chlorotoluene	126		10.250					ND	
106 tert-Butylbenzene	134		10.524					ND	
107 1,2,4-Trimethylbenzene	105		10.578					ND	
108 Pentachloroethane	167		10.590					ND	
109 sec-Butylbenzene	105		10.737					ND	
112 4-Isopropyltoluene	119		10.870					ND	
110 1,3-Dichlorobenzene	146		10.876					ND	
114 Dicyclopentadiene	66		10.937					ND	
111 1,4-Dichlorobenzene	146		10.962					ND	
113 1,2,3-Trimethylbenzene	105		10.986					ND	
143 Benzyl chloride	126		11.108					ND	
115 n-Butylbenzene	91		11.254					ND	
116 1,2-Dichlorobenzene	146		11.314					ND	
117 1,2-Dibromo-3-Chloropropan	75		12.044					ND	
118 1,3,5-Trichlorobenzene	180		12.166					ND	
119 1,2,4-Trichlorobenzene	180		12.714					ND	Ua
120 Hexachlorobutadiene	225	12.811	12.811	-0.006	78	1962		0.5681	M
121 Naphthalene	128		12.927					ND	
122 1,2,3-Trichlorobenzene	180		13.127					ND	
142 2-Methylnaphthalene	142	13.839	13.839	0.000	1	1855		0.1788	
138 Ethylene oxide TIC	1		0.000					ND	
137 1-Bromopropane TIC	1		0.000					ND	
136 Propene oxide TIC	1		0.000					ND	
135 Pentachloroethane TIC	1		0.000					ND	
134 Halothane	1		0.000					ND	
S 126 Xylenes, Total	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 124 1,3-Dichloropropene, Total	1		30.000					ND	
S 151 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

P 8260 IS_00373

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00342

Amount Added: 1.25

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43381.D

Injection Date: 15-May-2019 11:10:30

Instrument ID: HP5973P

Operator ID: OI

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

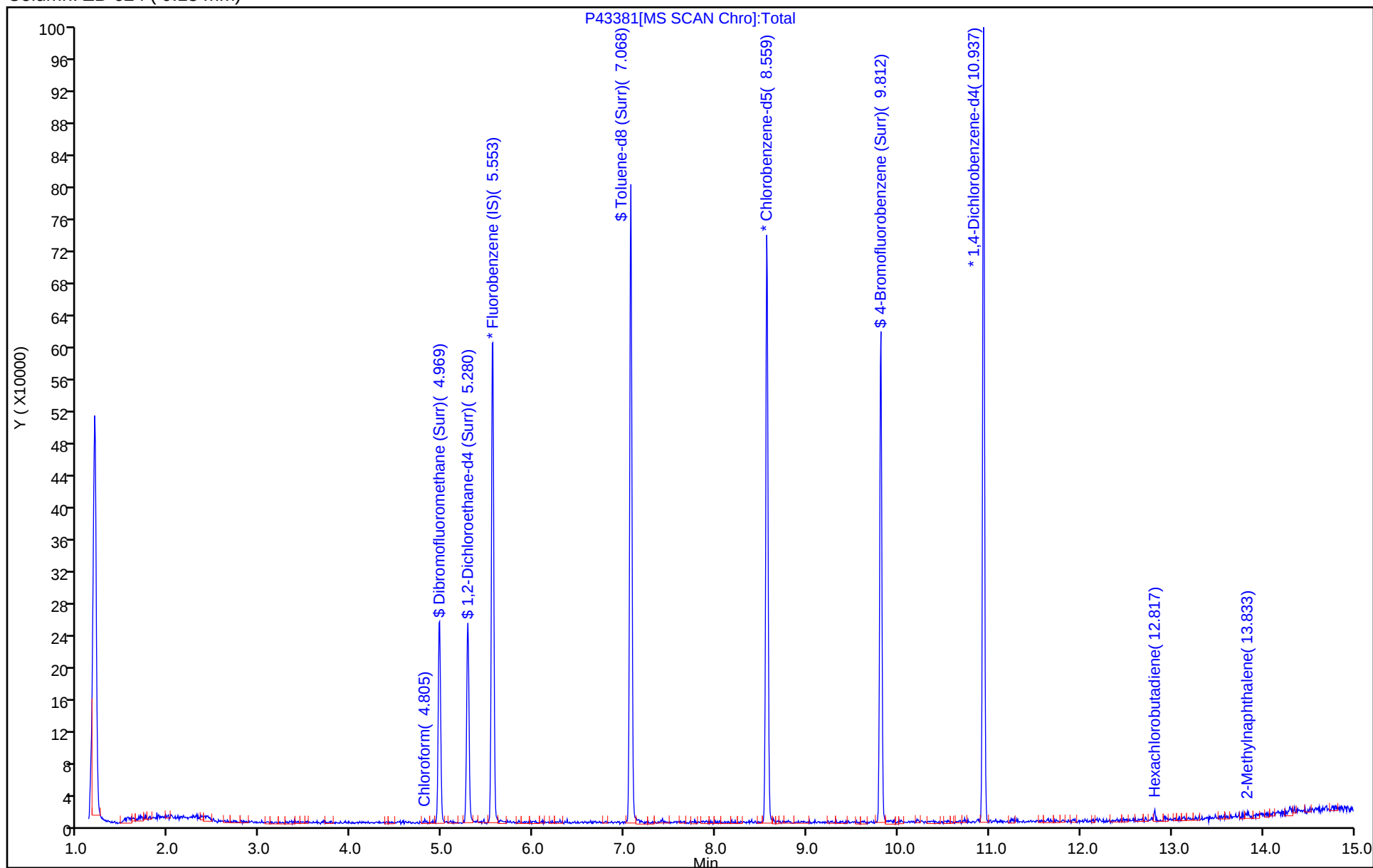
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

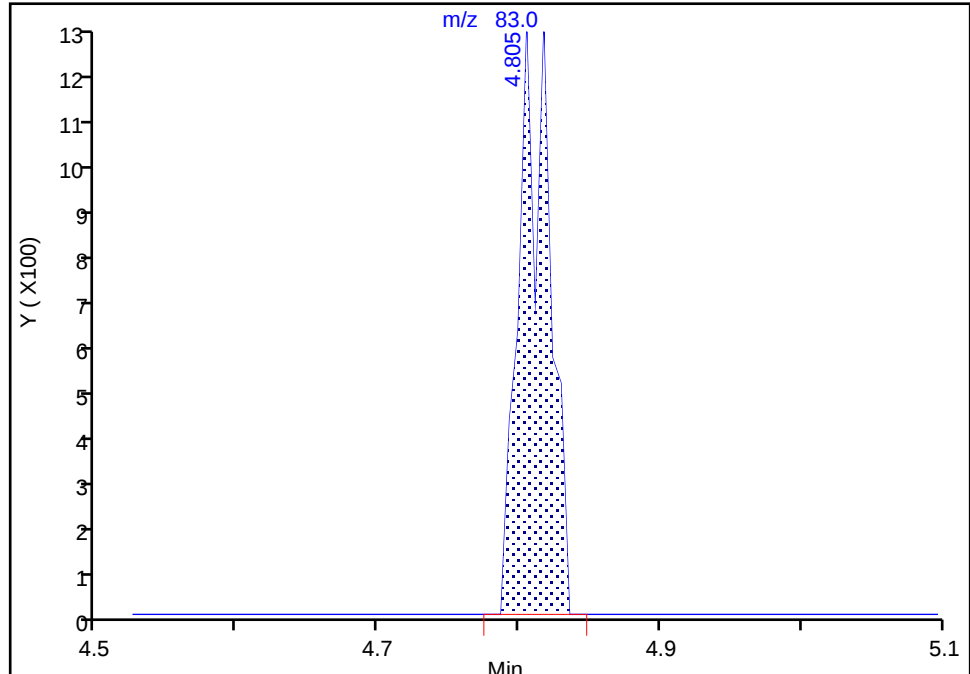
Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43381.D
Injection Date: 15-May-2019 11:10:30 Instrument ID: HP5973P
Lims ID: MB
Client ID:
Operator ID: OI ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

49 Chloroform, CAS: 67-66-3

Signal: 1

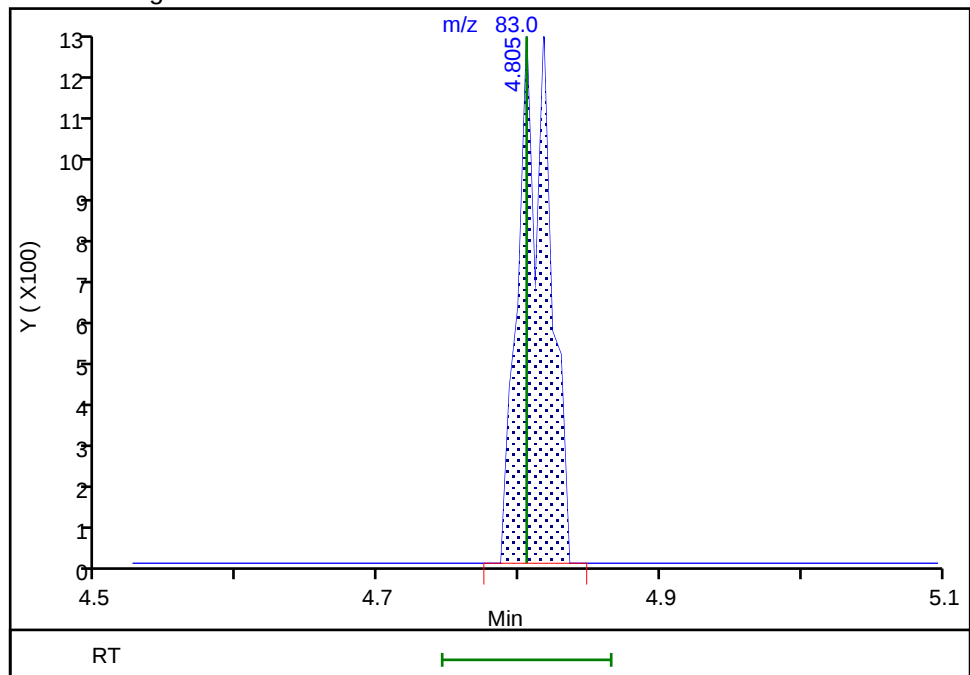
RT: 4.81
Area: 1848
Amount: 0.184310
Amount Units: ug/L

Processing Integration Results



RT: 4.81
Area: 1848
Amount: 0.184310
Amount Units: ug/L

Manual Integration Results



Reviewer: izquierdoo, 15-May-2019 11:24:51
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
Page 218 of 249

05/17/2019

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-472817/5
 Matrix: Water Lab File ID: P43352.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/14/2019 22:41
 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.: 472817 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	29.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.6		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	27.9		1.0	0.31
79-00-5	1,1,2-Trichloroethane	25.4		1.0	0.23
75-34-3	1,1-Dichloroethane	25.9		1.0	0.38
75-35-4	1,1-Dichloroethene	26.6		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.5		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	24.6		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	26.7		1.0	0.39
106-93-4	1,2-Dibromoethane	25.8		1.0	0.73
95-50-1	1,2-Dichlorobenzene	25.2		1.0	0.79
107-06-2	1,2-Dichloroethane	25.6		1.0	0.21
78-87-5	1,2-Dichloropropane	25.2		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	24.9		1.0	0.77
541-73-1	1,3-Dichlorobenzene	24.7		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.5		1.0	0.84
78-93-3	2-Butanone (MEK)	136		10	1.3
591-78-6	2-Hexanone	131		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	117		5.0	2.1
67-64-1	Acetone	148		10	3.0
71-43-2	Benzene	25.5		1.0	0.41
75-27-4	Bromodichloromethane	26.3		1.0	0.39
75-25-2	Bromoform	29.5		1.0	0.26
74-83-9	Bromomethane	26.6		1.0	0.69
75-15-0	Carbon disulfide	26.6		1.0	0.19
56-23-5	Carbon tetrachloride	29.7		1.0	0.27
108-90-7	Chlorobenzene	25.9		1.0	0.75
75-00-3	Chloroethane	26.3		1.0	0.32
67-66-3	Chloroform	25.7		1.0	0.34
74-87-3	Chloromethane	29.0		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	27.5		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.5		1.0	0.36
110-82-7	Cyclohexane	26.1		1.0	0.18
124-48-1	Dibromochloromethane	28.8		1.0	0.32
75-71-8	Dichlorodifluoromethane	28.7		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-472817/5
 Matrix: Water Lab File ID: P43352.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/14/2019 22:41
 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.: 472817 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	26.0		1.0	0.74
98-82-8	Isopropylbenzene	24.5		1.0	0.79
79-20-9	Methyl acetate	51.1		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.6		1.0	0.16
108-87-2	Methylcyclohexane	27.4		1.0	0.16
75-09-2	Methylene Chloride	26.3		1.0	0.44
103-65-1	N-Propylbenzene	24.1		1.0	0.69
100-42-5	Styrene	26.5		1.0	0.73
127-18-4	Tetrachloroethene	27.1		1.0	0.36
108-88-3	Toluene	25.0		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	26.2		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.4		1.0	0.37
79-01-6	Trichloroethene	27.0		1.0	0.46
75-69-4	Trichlorofluoromethane	28.5		1.0	0.88
75-01-4	Vinyl chloride	27.0		1.0	0.90
1330-20-7	Xylenes, Total	54.4		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
1868-53-7	Dibromofluoromethane (Surr)	112		75-123
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43352.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 14-May-2019 22:41:30 ALS Bottle#: 32 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0081087-005
 Operator ID: OI Instrument ID: HP5973P
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-May-2019 09:52:31 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: izquierdoo

Date: 15-May-2019 09:52:31

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	5.547	5.547	0.000	99	92168	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.559	0.000	85	204506	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	93	272911	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.969	4.969	0.000	93	152741	25.0	28.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.273	5.273	0.000	58	75453	25.0	25.3	
\$ 5 Toluene-d8 (Surr)	98	7.068	7.068	0.000	93	495757	25.0	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	96	202026	25.0	27.2	
10 Dichlorodifluoromethane	85	1.319	1.319	0.000	98	163682	25.0	28.7	
11 Chloromethane	50	1.508	1.508	0.000	99	281467	25.0	29.0	
144 Butadiene	54	1.599	1.599	0.000	97	242422	25.0	27.0	
17 Vinyl chloride	62	1.599	1.599	0.000	68	187595	25.0	27.0	
12 Bromomethane	94	1.921	1.921	0.000	91	111107	25.0	26.6	
13 Chloroethane	64	2.000	2.000	0.000	94	105101	25.0	26.3	
19 Dichlorofluoromethane	67	2.244	2.244	0.000	92	236000	25.0	25.5	
14 Trichlorofluoromethane	101	2.256	2.256	0.000	83	263596	25.0	28.5	
20 Ethyl ether	59	2.518	2.518	0.000	97	165947	25.0	24.6	
22 Acrolein	56	2.712	2.712	0.000	99	143888	125.0	120.0	
16 1,1,2-Trichloro-1,2,2-trif	101	2.737	2.737	0.000	88	151448	25.0	27.9	
25 1,1-Dichloroethene	96	2.755	2.755	0.000	95	141431	25.0	26.6	
24 Acetone	43	2.870	2.870	0.000	98	434612	125.0	148.2	
18 Iodomethane	142	2.931	2.931	0.000	99	296981	25.0	28.8	
27 Carbon disulfide	76	2.986	2.986	0.000	100	411456	25.0	26.6	
28 3-Chloro-1-propene	41	3.120	3.120	0.000	87	339048	25.0	25.3	
30 Methyl acetate	43	3.175	3.175	0.000	99	359616	50.0	51.1	
31 Methylene Chloride	84	3.302	3.302	0.000	92	154214	25.0	26.3	
33 2-Methyl-2-propanol	59	3.448	3.448	0.000	94	230119	250.0	294.3	
32 Methyl tert-butyl ether	73	3.485	3.485	0.000	98	400948	25.0	24.6	
35 trans-1,2-Dichloroethene	96	3.497	3.497	0.000	94	159149	25.0	26.2	
34 Acrylonitrile	53	3.564	3.564	0.000	98	828283	250.0	247.7	
36 Hexane	57	3.698	3.698	0.000	96	226400	25.0	26.2	
40 1,1-Dichloroethane	63	3.929	3.929	0.000	97	297351	25.0	25.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	3.984	3.984	0.000	97	800320	50.0	54.5	
45 2,2-Dichloropropane	77	4.452	4.452	0.000	90	107703	25.0	25.4	
43 cis-1,2-Dichloroethene	96	4.495	4.495	0.000	81	174752	25.0	27.5	
44 2-Butanone (MEK)	43	4.531	4.531	0.000	97	610336	125.0	136.4	
50 Chlorobromomethane	128	4.732	4.732	0.000	92	99617	25.0	25.8	
51 Tetrahydrofuran	42	4.750	4.750	0.000	93	148086	50.0	47.8	
49 Chloroform	83	4.811	4.811	0.000	98	271315	25.0	25.7	
52 1,1,1-Trichloroethane	97	4.921	4.921	0.000	87	238964	25.0	29.0	
54 Cyclohexane	56	4.921	4.921	0.000	97	302999	25.0	26.1	
55 Carbon tetrachloride	117	5.054	5.054	0.000	96	230291	25.0	29.7	
56 1,1-Dichloropropene	75	5.073	5.073	0.000	88	198113	25.0	26.4	
57 Benzene	78	5.279	5.279	0.000	94	577026	25.0	25.5	
53 Isobutyl alcohol	43	5.298	5.298	0.000	93	293295	625.0	771.7	
60 1,2-Dichloroethane	62	5.352	5.352	0.000	95	233458	25.0	25.6	
59 n-Heptane	43	5.450	5.450	0.000	96	186807	25.0	24.6	
62 Trichloroethene	95	5.894	5.894	0.000	94	168049	25.0	27.0	
64 Methylcyclohexane	83	6.003	6.003	0.000	97	202744	25.0	27.4	
63 1,2-Dichloropropane	63	6.137	6.137	0.000	89	165204	25.0	25.2	
69 Dibromomethane	93	6.277	6.277	0.000	88	99476	25.0	25.6	
68 1,4-Dioxane	88	6.283	6.283	0.000	42	29603	500.0	519.2	
70 Dichlorobromomethane	83	6.429	6.429	0.000	97	193684	25.0	26.3	
71 2-Chloroethyl vinyl ether	63	6.709	6.709	0.000	90	95329	25.0	26.0	
73 cis-1,3-Dichloropropene	75	6.849	6.849	0.000	88	216827	25.0	25.5	
75 4-Methyl-2-pentanone (MIBK)	43	6.989	6.989	0.000	98	1168108	125.0	117.5	
76 Toluene	92	7.135	7.135	0.000	97	396310	25.0	25.0	
78 trans-1,3-Dichloropropene	75	7.421	7.421	0.000	96	196653	25.0	24.4	
77 Ethyl methacrylate	69	7.457	7.457	0.000	93	174307	25.0	26.9	
79 1,1,2-Trichloroethane	83	7.609	7.609	0.000	92	115187	25.0	25.4	
80 Tetrachloroethene	166	7.664	7.664	0.000	97	197835	25.0	27.1	
82 1,3-Dichloropropane	76	7.774	7.774	0.000	94	208788	25.0	23.6	
83 2-Hexanone	43	7.835	7.835	0.000	97	886622	125.0	130.6	
81 Chlorodibromomethane	129	8.011	8.011	0.000	90	176698	25.0	28.8	
85 Ethylene Dibromide	107	8.114	8.114	0.000	99	151390	25.0	25.8	
87 Chlorobenzene	112	8.589	8.589	0.000	96	475579	25.0	25.9	
89 Ethylbenzene	91	8.680	8.680	0.000	98	731505	25.0	26.0	
88 1,1,1,2-Tetrachloroethane	131	8.686	8.686	0.000	93	183147	25.0	27.0	
90 m-Xylene & p-Xylene	106	8.802	8.802	0.000	99	302897	25.0	28.3	
93 o-Xylene	106	9.228	9.228	0.000	97	286708	25.0	26.1	
94 Styrene	104	9.264	9.264	0.000	96	508588	25.0	26.5	
92 Bromoform	173	9.514	9.514	0.000	97	118944	25.0	29.5	
95 Isopropylbenzene	105	9.611	9.611	0.000	96	739627	25.0	24.5	
100 Bromobenzene	156	9.958	9.958	0.000	86	237041	25.0	24.9	
97 1,1,2,2-Tetrachloroethane	83	10.012	10.012	0.000	94	186215	25.0	23.6	
99 N-Propylbenzene	91	10.031	10.031	0.000	99	836992	25.0	24.1	
101 1,2,3-Trichloropropane	110	10.043	10.043	0.000	91	65802	25.0	24.8	
98 trans-1,4-Dichloro-2-buten	53	10.061	10.061	0.000	77	56446	25.0	17.6	
103 2-Chlorotoluene	126	10.140	10.140	0.000	97	200174	25.0	25.1	
102 1,3,5-Trimethylbenzene	105	10.207	10.207	0.000	95	635378	25.0	24.9	
105 4-Chlorotoluene	126	10.250	10.250	0.000	97	212269	25.0	25.8	
106 tert-Butylbenzene	134	10.524	10.524	0.000	94	146671	25.0	26.1	
107 1,2,4-Trimethylbenzene	105	10.578	10.578	0.000	97	645690	25.0	24.6	
109 sec-Butylbenzene	105	10.730	10.730	0.000	94	725126	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
110 1,3-Dichlorobenzene	146	10.870	10.870	0.000	77	425066	25.0	24.7	
112 4-Isopropyltoluene	119	10.870	10.870	0.000	97	658617	25.0	25.8	
111 1,4-Dichlorobenzene	146	10.962	10.962	0.000	97	431719	25.0	24.5	
115 n-Butylbenzene	91	11.254	11.254	0.000	98	504043	25.0	24.5	
116 1,2-Dichlorobenzene	146	11.314	11.314	0.000	99	431827	25.0	25.2	
117 1,2-Dibromo-3-Chloropropan	75	12.038	12.038	0.000	90	32957	25.0	26.7	
119 1,2,4-Trichlorobenzene	180	12.714	12.714	0.000	94	273996	25.0	26.5	
120 Hexachlorobutadiene	225	12.817	12.817	0.000	96	95375	25.0	25.9	
121 Naphthalene	128	12.927	12.927	0.000	97	677709	25.0	25.6	
122 1,2,3-Trichlorobenzene	180	13.127	13.127	0.000	96	248262	25.0	25.9	
S 125 Total BTEX	1				0			130.9	
S 124 1,3-Dichloropropene, Total	1				0			49.9	
S 126 Xylenes, Total	1				0			54.5	
S 123 1,2-Dichloroethene, Total	1				0			53.7	

Reagents:

8260 CORP mix_00154	Amount Added: 12.50	Units: uL	
GAS CORP mix_00341	Amount Added: 12.50	Units: uL	
P 8260 IS_00373	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00342	Amount Added: 1.25	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43352.D

Injection Date: 14-May-2019 22:41:30

Instrument ID: HP5973P

Operator ID: OI

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

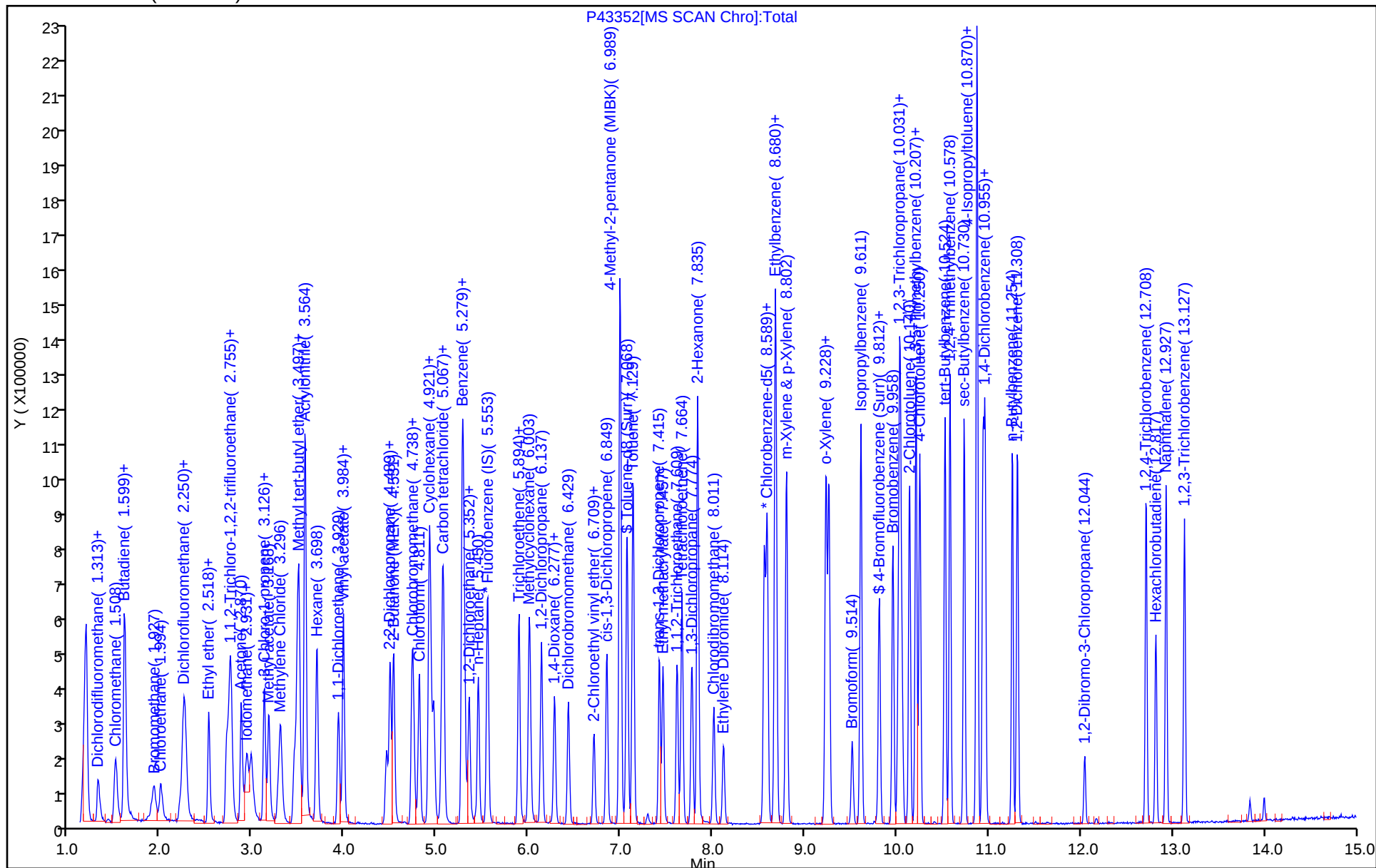
Dil. Factor: 1.0000

ALS Bottle#: 32

Method: P-8260H2O

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.: 480-152979-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-472891/5
 Matrix: Water Lab File ID: P43379.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 10:22
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472891 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.5		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.0		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	23.8		1.0	0.31
79-00-5	1,1,2-Trichloroethane	23.1		1.0	0.23
75-34-3	1,1-Dichloroethane	24.5		1.0	0.38
75-35-4	1,1-Dichloroethene	24.8		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.8		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	24.2		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	27.1		1.0	0.39
106-93-4	1,2-Dibromoethane	25.6		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.7		1.0	0.79
107-06-2	1,2-Dichloroethane	25.0		1.0	0.21
78-87-5	1,2-Dichloropropane	24.0		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	24.0		1.0	0.77
541-73-1	1,3-Dichlorobenzene	24.0		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.3		1.0	0.84
78-93-3	2-Butanone (MEK)	142		10	1.3
591-78-6	2-Hexanone	134		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	121		5.0	2.1
67-64-1	Acetone	156		10	3.0
71-43-2	Benzene	23.8		1.0	0.41
75-27-4	Bromodichloromethane	26.1		1.0	0.39
75-25-2	Bromoform	31.1		1.0	0.26
74-83-9	Bromomethane	22.2		1.0	0.69
75-15-0	Carbon disulfide	23.5		1.0	0.19
56-23-5	Carbon tetrachloride	27.1		1.0	0.27
108-90-7	Chlorobenzene	25.5		1.0	0.75
75-00-3	Chloroethane	21.5		1.0	0.32
67-66-3	Chloroform	24.7		1.0	0.34
74-87-3	Chloromethane	27.2		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	26.7		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.6		1.0	0.36
110-82-7	Cyclohexane	21.8		1.0	0.18
124-48-1	Dibromochloromethane	28.6		1.0	0.32
75-71-8	Dichlorodifluoromethane	22.5		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-472891/5
 Matrix: Water Lab File ID: P43379.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 10:22
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 472891 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	24.8		1.0	0.74
98-82-8	Isopropylbenzene	23.6		1.0	0.79
79-20-9	Methyl acetate	51.6		2.5	1.3
1634-04-4	Methyl tert-butyl ether	23.9		1.0	0.16
108-87-2	Methylcyclohexane	23.8		1.0	0.16
75-09-2	Methylene Chloride	25.3		1.0	0.44
103-65-1	N-Propylbenzene	22.8		1.0	0.69
100-42-5	Styrene	26.4		1.0	0.73
127-18-4	Tetrachloroethene	25.1		1.0	0.36
108-88-3	Toluene	23.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.0		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.3		1.0	0.37
79-01-6	Trichloroethene	25.3		1.0	0.46
75-69-4	Trichlorofluoromethane	22.2		1.0	0.88
75-01-4	Vinyl chloride	21.2		1.0	0.90
1330-20-7	Xylenes, Total	53.1		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
1868-53-7	Dibromofluoromethane (Surr)	108		75-123
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43379.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 15-May-2019 10:22:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0081100-005
 Operator ID: OI Instrument ID: HP5973P
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-May-2019 11:22:01 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: izquierdoo

Date: 15-May-2019 11:22:01

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	5.547	5.547	0.000	99	91408	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.559	0.000	86	200249	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	93	265782	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.963	4.963	0.000	93	146688	25.0	27.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.280	5.280	0.000	61	76598	25.0	25.9	
\$ 5 Toluene-d8 (Surr)	98	7.062	7.062	0.000	93	484715	25.0	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	96	202294	25.0	27.9	
10 Dichlorodifluoromethane	85	1.313	1.313	0.000	98	127049	25.0	22.5	
11 Chloromethane	50	1.508	1.508	0.000	99	261927	25.0	27.2	
144 Butadiene	54	1.605	1.605	0.000	98	188535	25.0	21.2	
17 Vinyl chloride	62	1.611	1.611	0.000	81	145742	25.0	21.2	
12 Bromomethane	94	1.927	1.927	0.000	94	91935	25.0	22.2	
13 Chloroethane	64	2.007	2.007	0.000	94	84964	25.0	21.5	
19 Dichlorofluoromethane	67	2.244	2.244	0.000	95	207282	25.0	22.6	
14 Trichlorofluoromethane	101	2.250	2.250	0.000	76	203246	25.0	22.2	
20 Ethyl ether	59	2.512	2.512	0.000	97	159038	25.0	23.8	
22 Acrolein	56	2.712	2.712	0.000	99	158528	125.0	133.3	
16 1,1,2-Trichloro-1,2,2-trif	101	2.743	2.743	0.000	91	128532	25.0	23.8	
25 1,1-Dichloroethene	96	2.767	2.767	0.000	97	130553	25.0	24.8	
24 Acetone	43	2.870	2.870	0.000	98	454384	125.0	156.2	
18 Iodomethane	142	2.931	2.931	0.000	99	279439	25.0	27.4	
27 Carbon disulfide	76	2.986	2.986	0.000	99	361180	25.0	23.5	
28 3-Chloro-1-propene	41	3.120	3.120	0.000	87	312710	25.0	23.6	M
30 Methyl acetate	43	3.169	3.169	0.000	100	359684	50.0	51.6	
31 Methylene Chloride	84	3.302	3.302	0.000	91	147636	25.0	25.3	
33 2-Methyl-2-propanol	59	3.448	3.448	0.000	93	238171	250.0	307.1	
32 Methyl tert-butyl ether	73	3.479	3.479	0.000	97	385710	25.0	23.9	
35 trans-1,2-Dichloroethene	96	3.497	3.497	0.000	95	151026	25.0	25.0	
34 Acrylonitrile	53	3.564	3.564	0.000	99	842746	250.0	254.1	
36 Hexane	57	3.692	3.692	0.000	95	184125	25.0	21.5	
40 1,1-Dichloroethane	63	3.923	3.923	0.000	98	279666	25.0	24.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	3.984	3.984	0.000	97	818619	50.0	56.2	
45 2,2-Dichloropropane	77	4.452	4.452	0.000	87	105972	25.0	25.2	
43 cis-1,2-Dichloroethene	96	4.489	4.489	0.000	81	168390	25.0	26.7	
44 2-Butanone (MEK)	43	4.525	4.525	0.000	97	629222	125.0	141.8	
50 Chlorobromomethane	128	4.732	4.732	0.000	95	94053	25.0	24.6	
51 Tetrahydrofuran	42	4.744	4.744	0.000	94	153511	50.0	49.9	
49 Chloroform	83	4.805	4.805	0.000	97	258874	25.0	24.7	
52 1,1,1-Trichloroethane	97	4.915	4.915	0.000	96	208718	25.0	25.5	
54 Cyclohexane	56	4.921	4.921	0.000	98	251799	25.0	21.8	
55 Carbon tetrachloride	117	5.054	5.054	0.000	94	208536	25.0	27.1	
56 1,1-Dichloropropene	75	5.067	5.067	0.000	84	178899	25.0	24.1	
57 Benzene	78	5.273	5.273	0.000	94	534140	25.0	23.8	
53 Isobutyl alcohol	43	5.304	5.304	0.000	96	326867	625.0	867.2	
60 1,2-Dichloroethane	62	5.346	5.346	0.000	94	225794	25.0	25.0	
59 n-Heptane	43	5.450	5.450	0.000	96	170525	25.0	22.6	
62 Trichloroethene	95	5.888	5.888	0.000	94	156254	25.0	25.3	
64 Methylcyclohexane	83	6.010	6.010	0.000	97	175103	25.0	23.8	
63 1,2-Dichloropropane	63	6.137	6.137	0.000	87	156037	25.0	24.0	
69 Dibromomethane	93	6.277	6.277	0.000	89	92484	25.0	24.0	
68 1,4-Dioxane	88	6.277	6.277	0.000	45	32943	500.0	591.3	
70 Dichlorobromomethane	83	6.429	6.429	0.000	96	190264	25.0	26.1	
71 2-Chloroethyl vinyl ether	63	6.709	6.709	0.000	89	90631	25.0	25.0	
73 cis-1,3-Dichloropropene	75	6.843	6.843	0.000	86	207296	25.0	24.6	
75 4-Methyl-2-pentanone (MIBK)	43	6.989	6.989	0.000	99	1179821	125.0	121.2	
76 Toluene	92	7.135	7.135	0.000	97	361863	25.0	23.3	
78 trans-1,3-Dichloropropene	75	7.421	7.421	0.000	96	199418	25.0	25.3	
77 Ethyl methacrylate	69	7.457	7.457	0.000	93	169155	25.0	26.7	
79 1,1,2-Trichloroethane	83	7.610	7.610	0.000	93	102506	25.0	23.1	
80 Tetrachloroethene	166	7.664	7.664	0.000	95	179641	25.0	25.1	
82 1,3-Dichloropropane	76	7.774	7.774	0.000	95	207001	25.0	23.8	
83 2-Hexanone	43	7.835	7.835	0.000	97	891051	125.0	134.1	
81 Chlorodibromomethane	129	8.011	8.011	0.000	92	171980	25.0	28.6	
85 Ethylene Dibromide	107	8.114	8.114	0.000	97	147215	25.0	25.6	
87 Chlorobenzene	112	8.589	8.589	0.000	97	459104	25.0	25.5	
89 Ethylbenzene	91	8.674	8.674	0.000	99	682610	25.0	24.8	
88 1,1,1,2-Tetrachloroethane	131	8.686	8.686	0.000	92	170667	25.0	25.7	
90 m-Xylene & p-Xylene	106	8.802	8.802	0.000	99	283194	25.0	27.1	
93 o-Xylene	106	9.234	9.234	0.000	97	278906	25.0	26.0	
94 Styrene	104	9.258	9.258	0.000	97	497051	25.0	26.4	
92 Bromoform	173	9.514	9.514	0.000	97	122668	25.0	31.1	
95 Isopropylbenzene	105	9.611	9.611	0.000	95	693923	25.0	23.6	
100 Bromobenzene	156	9.958	9.958	0.000	82	226768	25.0	24.5	
97 1,1,2,2-Tetrachloroethane	83	10.013	10.013	0.000	94	177312	25.0	23.0	
99 N-Propylbenzene	91	10.031	10.031	0.000	99	772797	25.0	22.8	
101 1,2,3-Trichloropropane	110	10.049	10.049	0.000	94	60413	25.0	23.3	
98 trans-1,4-Dichloro-2-buten	53	10.061	10.061	0.000	80	66398	25.0	21.1	
103 2-Chlorotoluene	126	10.140	10.140	0.000	98	186076	25.0	24.0	
102 1,3,5-Trimethylbenzene	105	10.207	10.207	0.000	96	595295	25.0	24.0	
105 4-Chlorotoluene	126	10.250	10.250	0.000	97	199687	25.0	24.9	
106 tert-Butylbenzene	134	10.524	10.524	0.000	93	135189	25.0	24.7	
107 1,2,4-Trimethylbenzene	105	10.578	10.578	0.000	97	618675	25.0	24.2	
109 sec-Butylbenzene	105	10.737	10.737	0.000	94	680098	25.0	25.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
112 4-Isopropyltoluene	119	10.870	10.870	0.000	97	624423	25.0	25.2	
110 1,3-Dichlorobenzene	146	10.876	10.876	0.000	93	402707	25.0	24.0	
111 1,4-Dichlorobenzene	146	10.962	10.962	0.000	96	417141	25.0	24.3	
115 n-Butylbenzene	91	11.254	11.254	0.000	97	465793	25.0	23.2	
116 1,2-Dichlorobenzene	146	11.314	11.314	0.000	98	411618	25.0	24.7	
117 1,2-Dibromo-3-Chloropropan	75	12.044	12.044	0.000	88	32677	25.0	27.1	
119 1,2,4-Trichlorobenzene	180	12.714	12.714	0.000	94	260502	25.0	25.8	
120 Hexachlorobutadiene	225	12.817	12.817	0.000	96	89433	25.0	25.0	
121 Naphthalene	128	12.927	12.927	0.000	97	653635	25.0	25.4	
122 1,2,3-Trichlorobenzene	180	13.127	13.127	0.000	96	254013	25.0	27.2	
S 126 Xylenes, Total	1				0			53.0	
S 123 1,2-Dichloroethene, Total	1				0			51.8	
S 125 Total BTEX	1				0			124.8	
S 124 1,3-Dichloropropene, Total	1				0			49.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00154

Amount Added: 12.50

Units: uL

GAS CORP mix_00341

Amount Added: 12.50

Units: uL

P 8260 IS_00373

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00342

Amount Added: 1.25

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190515-81100.b\P43379.D

Injection Date: 15-May-2019 10:22:30

Instrument ID: HP5973P

Operator ID: OI

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

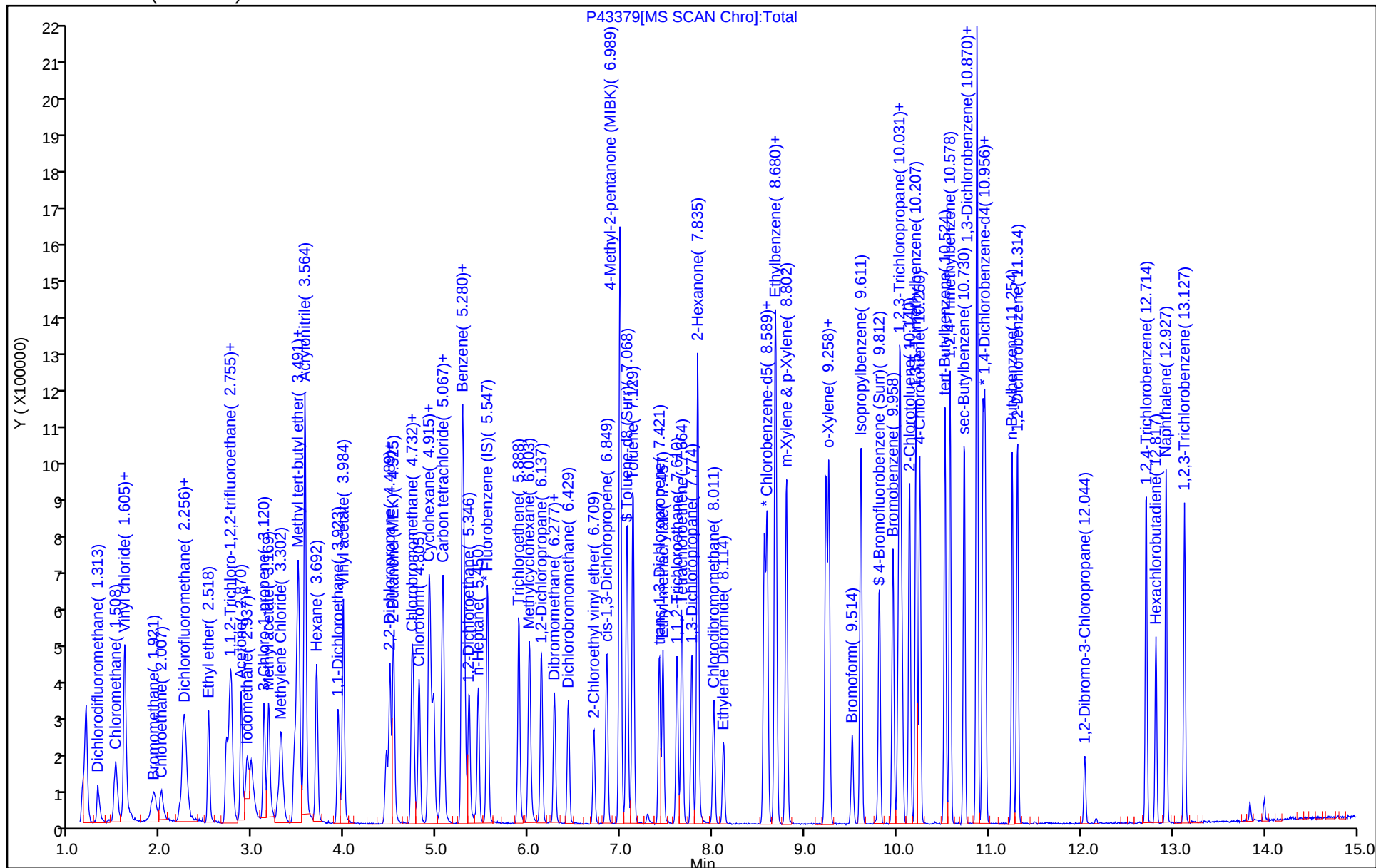
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: P-8260H2O

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.: 480-152979-1

SDG No.: _____

Client Sample ID: GT-15-050319 MS Lab Sample ID: 480-152979-4 MS

Matrix: Water Lab File ID: P43373.D

Analysis Method: 8260C Date Collected: 05/03/2019 12:00

Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 07:03

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.: 472817 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	33.3		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	26.5		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	27.3		1.0	0.31
79-00-5	1,1,2-Trichloroethane	29.0		1.0	0.23
75-34-3	1,1-Dichloroethane	30.9		1.0	0.38
75-35-4	1,1-Dichloroethene	31.2		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	28.2		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	28.3		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	29.4		1.0	0.39
106-93-4	1,2-Dibromoethane	28.9		1.0	0.73
95-50-1	1,2-Dichlorobenzene	27.5		1.0	0.79
107-06-2	1,2-Dichloroethane	29.6		1.0	0.21
78-87-5	1,2-Dichloropropane	28.6		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	28.3		1.0	0.77
541-73-1	1,3-Dichlorobenzene	26.9		1.0	0.78
106-46-7	1,4-Dichlorobenzene	27.6		1.0	0.84
78-93-3	2-Butanone (MEK)	140		10	1.3
591-78-6	2-Hexanone	142		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	135		5.0	2.1
67-64-1	Acetone	137		10	3.0
71-43-2	Benzene	30.0		1.0	0.41
75-27-4	Bromodichloromethane	32.5		1.0	0.39
75-25-2	Bromoform	33.2		1.0	0.26
74-83-9	Bromomethane	29.3		1.0	0.69
75-15-0	Carbon disulfide	31.8		1.0	0.19
56-23-5	Carbon tetrachloride	34.9		1.0	0.27
108-90-7	Chlorobenzene	30.8		1.0	0.75
75-00-3	Chloroethane	29.5		1.0	0.32
67-66-3	Chloroform	30.0		1.0	0.34
74-87-3	Chloromethane	34.6		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	32.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	27.7		1.0	0.36
110-82-7	Cyclohexane	27.0		1.0	0.18
124-48-1	Dibromochloromethane	32.3		1.0	0.32
75-71-8	Dichlorodifluoromethane	30.3		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-152979-1</u>
SDG No.: _____	
Client Sample ID: <u>GT-15-050319 MS</u>	Lab Sample ID: <u>480-152979-4 MS</u>
Matrix: <u>Water</u>	Lab File ID: <u>P43373.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>05/03/2019 12:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>05/15/2019 07:03</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>472817</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	29.9		1.0	0.74
98-82-8	Isopropylbenzene	27.8		1.0	0.79
79-20-9	Methyl acetate	52.1		2.5	1.3
1634-04-4	Methyl tert-butyl ether	27.3		1.0	0.16
108-87-2	Methylcyclohexane	27.1		1.0	0.16
75-09-2	Methylene Chloride	30.8		1.0	0.44
103-65-1	N-Propylbenzene	26.8		1.0	0.69
100-42-5	Styrene	31.0		1.0	0.73
127-18-4	Tetrachloroethene	30.4		1.0	0.36
108-88-3	Toluene	29.2		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	32.2		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.9		1.0	0.37
79-01-6	Trichloroethene	35.7		1.0	0.46
75-69-4	Trichlorofluoromethane	31.3		1.0	0.88
75-01-4	Vinyl chloride	30.8		1.0	0.90
1330-20-7	Xylenes, Total	62.8		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
1868-53-7	Dibromofluoromethane (Surr)	113		75-123
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43373.D
 Lims ID: 480-152979-A-4 MS
 Client ID: GT-15-050319
 Sample Type: MS
 Inject. Date: 15-May-2019 07:03:30 ALS Bottle#: 53 Worklist Smp#: 32
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-152979-A-4 MS
 Misc. Info.: 480-0081087-032
 Operator ID: OI Instrument ID: HP5973P
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-May-2019 14:07:38 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: izquierdoo

Date: 15-May-2019 14:08:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.553	5.547	0.006	98	87383	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.558	8.558	0.000	86	195588	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	93	266199	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.969	4.963	0.006	92	145935	25.0	28.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.279	5.279	0.000	56	71345	25.0	25.2	
\$ 5 Toluene-d8 (Surr)	98	7.068	7.068	0.000	93	485374	25.0	25.7	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	94	191787	25.0	27.0	
10 Dichlorodifluoromethane	85	1.313	1.313	0.000	98	163598	25.0	30.3	
11 Chloromethane	50	1.501	1.508	-0.007	99	318517	25.0	34.6	
17 Vinyl chloride	62	1.605	1.611	-0.006	67	202627	25.0	30.8	
12 Bromomethane	94	1.915	1.922	-0.007	94	115838	25.0	29.3	
13 Chloroethane	64	1.994	2.007	-0.013	95	111758	25.0	29.5	
14 Trichlorofluoromethane	101	2.244	2.250	-0.006	81	274556	25.0	31.3	
16 1,1,2-Trichloro-1,2,2-trif	101	2.736	2.743	-0.007	79	140526	25.0	27.3	
25 1,1-Dichloroethene	96	2.755	2.761	-0.006	94	157208	25.0	31.2	
24 Acetone	43	2.870	2.876	-0.001	98	380163	125.0	136.7	
27 Carbon disulfide	76	2.980	2.986	-0.006	99	466130	25.0	31.8	
30 Methyl acetate	43	3.168	3.169	-0.001	100	347529	50.0	52.1	
31 Methylene Chloride	84	3.302	3.303	-0.001	93	170606	25.0	30.8	
32 Methyl tert-butyl ether	73	3.485	3.479	0.006	97	421052	25.0	27.3	
35 trans-1,2-Dichloroethene	96	3.503	3.503	0.000	95	185532	25.0	32.2	
40 1,1-Dichloroethane	63	3.929	3.929	0.000	96	337456	25.0	30.9	
43 cis-1,2-Dichloroethene	96	4.489	4.489	-0.001	82	193333	25.0	32.1	
44 2-Butanone (MEK)	43	4.531	4.525	0.006	97	595137	125.0	140.3	
49 Chloroform	83	4.811	4.811	0.006	96	300291	25.0	30.0	
52 1,1,1-Trichloroethane	97	4.914	4.915	-0.001	97	260761	25.0	33.3	
54 Cyclohexane	56	4.920	4.939	-0.001	98	297134	25.0	27.0	
55 Carbon tetrachloride	117	5.054	5.048	-0.001	96	256284	25.0	34.9	
57 Benzene	78	5.279	5.280	-0.001	94	644851	25.0	30.0	
60 1,2-Dichloroethane	62	5.346	5.347	-0.001	95	255900	25.0	29.6	
62 Trichloroethene	95	5.894	5.894	0.000	92	210820	25.0	35.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	6.009	6.004	0.005	97	190487	25.0	27.1	
63 1,2-Dichloropropane	63	6.137	6.137	0.000	90	177187	25.0	28.6	
70 Dichlorobromomethane	83	6.429	6.430	-0.001	97	226394	25.0	32.5	
73 cis-1,3-Dichloropropene	75	6.849	6.843	0.006	86	223151	25.0	27.7	
75 4-Methyl-2-pentanone (MIBK)	43	6.989	6.989	0.000	98	1281031	125.0	134.7	
76 Toluene	92	7.135	7.129	0.006	98	442899	25.0	29.2	
78 trans-1,3-Dichloropropene	75	7.421	7.415	0.006	96	207415	25.0	26.9	
79 1,1,2-Trichloroethane	83	7.609	7.610	-0.001	93	125734	25.0	29.0	
80 Tetrachloroethene	166	7.664	7.664	0.000	97	212386	25.0	30.4	
83 2-Hexanone	43	7.834	7.835	-0.001	98	923810	125.0	142.3	
81 Chlorodibromomethane	129	8.011	8.011	0.000	92	189815	25.0	32.3	
85 Ethylene Dibromide	107	8.114	8.115	-0.001	99	162444	25.0	28.9	
87 Chlorobenzene	112	8.589	8.589	0.000	96	539887	25.0	30.8	
89 Ethylbenzene	91	8.680	8.674	0.006	98	805003	25.0	29.9	
90 m-Xylene & p-Xylene	106	8.802	8.796	0.000	99	330694		32.3	
93 o-Xylene	106	9.234	9.222	0.006	96	319630		30.5	
94 Styrene	104	9.258	9.258	0.000	96	568496	25.0	31.0	
92 Bromoform	173	9.514	9.514	0.000	98	128174	25.0	33.2	
95 Isopropylbenzene	105	9.611	9.611	0.000	96	818899	25.0	27.8	
97 1,1,2,2-Tetrachloroethane	83	10.018	10.019	-0.001	94	204305	25.0	26.5	
99 N-Propylbenzene	91	10.031	10.031	0.000	99	909519	25.0	26.8	
102 1,3,5-Trimethylbenzene	105	10.207	10.207	0.000	95	703339	25.0	28.3	
107 1,2,4-Trimethylbenzene	105	10.578	10.579	0.000	97	724952	25.0	28.3	
110 1,3-Dichlorobenzene	146	10.870	10.871	0.000	76	451554	25.0	26.9	
111 1,4-Dichlorobenzene	146	10.961	10.962	-0.001	96	475367	25.0	27.6	
116 1,2-Dichlorobenzene	146	11.314	11.309	0.005	98	459872	25.0	27.5	
117 1,2-Dibromo-3-Chloropropan	75	12.044	12.045	-0.001	80	35479	25.0	29.4	
119 1,2,4-Trichlorobenzene	180	12.714	12.702	0.000	95	284950	25.0	28.2	
S 126 Xylenes, Total	1				0			62.8	

Reagents:

8260 CORP mix_00154

Amount Added: 12.50

Units: uL

GAS CORP mix_00341

Amount Added: 12.50

Units: uL

P 8260 IS_00373

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00342

Amount Added: 1.25

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43373.D

Injection Date: 15-May-2019 07:03:30

Instrument ID: HP5973P

Operator ID: OI

Lims ID: 480-152979-A-4 MS

Worklist Smp#: 32

Client ID: GT-15-050319

Purge Vol: 5.000 mL

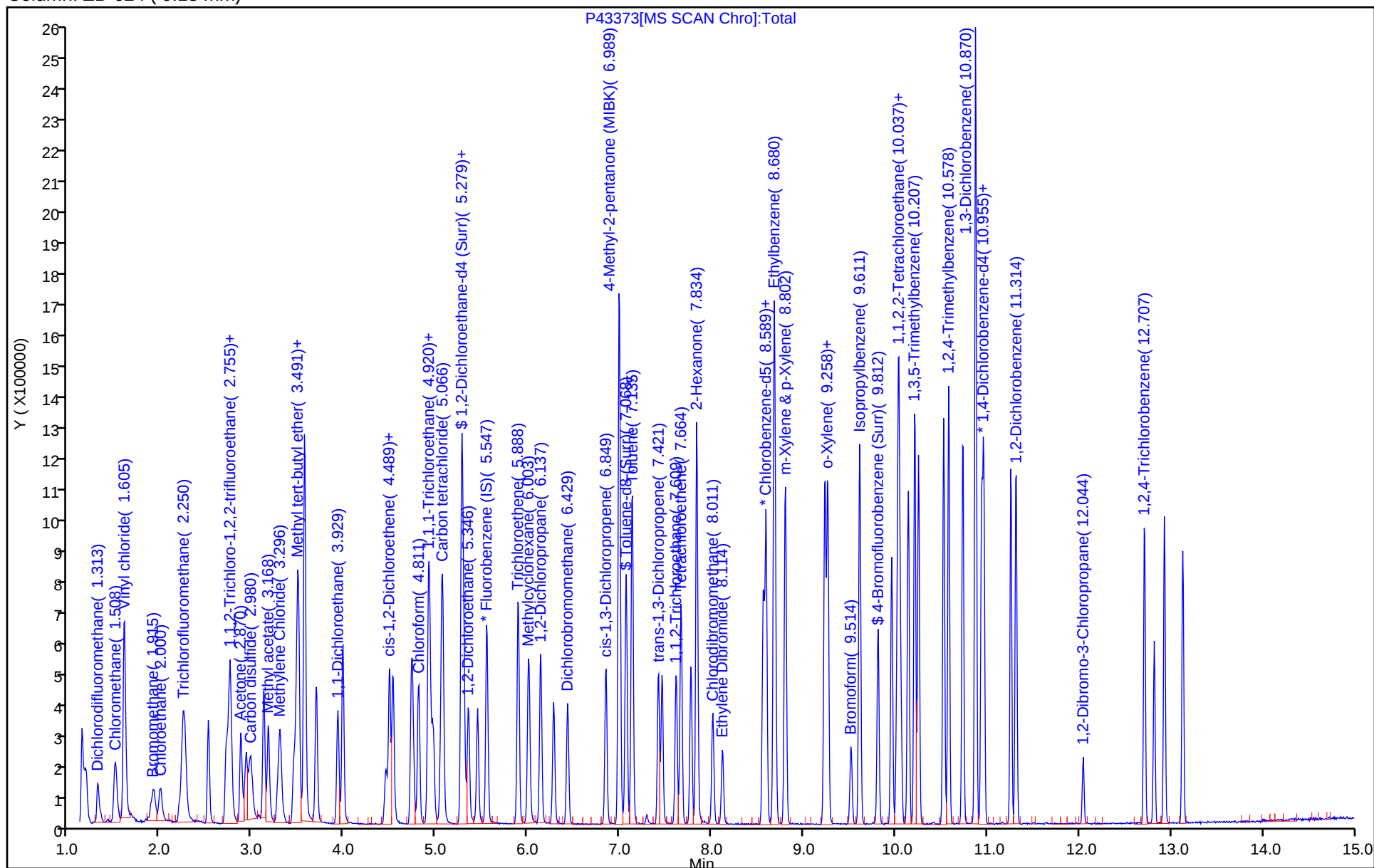
Dil. Factor: 1.0000

ALS Bottle#: 53

Method: P-8260H2O

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.: 480-152979-1

SDG No.: _____

Client Sample ID: GT-15-050319 MSD Lab Sample ID: 480-152979-4 MSD

Matrix: Water Lab File ID: P43374.D

Analysis Method: 8260C Date Collected: 05/03/2019 12:00

Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 07:27

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.: 472817 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	32.7		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.7		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	27.0		1.0	0.31
79-00-5	1,1,2-Trichloroethane	26.9		1.0	0.23
75-34-3	1,1-Dichloroethane	29.9		1.0	0.38
75-35-4	1,1-Dichloroethene	31.1		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	27.7		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	27.6		1.0	0.75
96-12-8	1,2-Dibromo-3-Chloropropane	28.8		1.0	0.39
106-93-4	1,2-Dibromoethane	27.5		1.0	0.73
95-50-1	1,2-Dichlorobenzene	26.6		1.0	0.79
107-06-2	1,2-Dichloroethane	28.6		1.0	0.21
78-87-5	1,2-Dichloropropane	28.0		1.0	0.72
108-67-8	1,3,5-Trimethylbenzene	27.2		1.0	0.77
541-73-1	1,3-Dichlorobenzene	27.1		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.5		1.0	0.84
78-93-3	2-Butanone (MEK)	138		10	1.3
591-78-6	2-Hexanone	137		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	125		5.0	2.1
67-64-1	Acetone	135		10	3.0
71-43-2	Benzene	28.8		1.0	0.41
75-27-4	Bromodichloromethane	29.6		1.0	0.39
75-25-2	Bromoform	32.4		1.0	0.26
74-83-9	Bromomethane	29.5		1.0	0.69
75-15-0	Carbon disulfide	30.9		1.0	0.19
56-23-5	Carbon tetrachloride	34.2		1.0	0.27
108-90-7	Chlorobenzene	28.0		1.0	0.75
75-00-3	Chloroethane	30.4		1.0	0.32
67-66-3	Chloroform	29.3		1.0	0.34
74-87-3	Chloromethane	35.1		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	30.7		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.6		1.0	0.36
110-82-7	Cyclohexane	27.1		1.0	0.18
124-48-1	Dibromochloromethane	31.2		1.0	0.32
75-71-8	Dichlorodifluoromethane	29.2		1.0	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1
 SDG No.: _____
 Client Sample ID: GT-15-050319 MSD Lab Sample ID: 480-152979-4 MSD
 Matrix: Water Lab File ID: P43374.D
 Analysis Method: 8260C Date Collected: 05/03/2019 12:00
 Sample wt/vol: 5 (mL) Date Analyzed: 05/15/2019 07:27
 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.: 472817 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	28.4		1.0	0.74
98-82-8	Isopropylbenzene	27.7		1.0	0.79
79-20-9	Methyl acetate	50.5		2.5	1.3
1634-04-4	Methyl tert-butyl ether	26.3		1.0	0.16
108-87-2	Methylcyclohexane	26.9		1.0	0.16
75-09-2	Methylene Chloride	29.9		1.0	0.44
103-65-1	N-Propylbenzene	26.5		1.0	0.69
100-42-5	Styrene	29.0		1.0	0.73
127-18-4	Tetrachloroethene	28.6		1.0	0.36
108-88-3	Toluene	27.4		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	30.5		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.8		1.0	0.37
79-01-6	Trichloroethene	33.9		1.0	0.46
75-69-4	Trichlorofluoromethane	31.7		1.0	0.88
75-01-4	Vinyl chloride	32.8		1.0	0.90
1330-20-7	Xylenes, Total	59.4		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
1868-53-7	Dibromofluoromethane (Surr)	114		75-123
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43374.D
 Lims ID: 480-152979-A-4 MSD
 Client ID: GT-15-050319
 Sample Type: MSD
 Inject. Date: 15-May-2019 07:27:30 ALS Bottle#: 54 Worklist Smp#: 33
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-152979-A-4 MSD
 Misc. Info.: 480-0081087-033
 Operator ID: OI Instrument ID: HP5973P
 Method: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-May-2019 14:07:38 Calib Date: 29-Apr-2019 20:20:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromna\Buffalo\ChromData\HP5973P\20190429-80635.b\P42657.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX0305

First Level Reviewer: izquierdoo

Date: 15-May-2019 14:08:16

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	5.553	5.547	0.006	99	86609	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.559	8.558	0.001	85	197988	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.937	10.937	0.000	93	262088	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.963	4.963	0.000	94	146277	25.0	28.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.274	5.279	-0.005	56	73759	25.0	26.3	
\$ 5 Toluene-d8 (Surr)	98	7.068	7.068	0.000	93	463595	25.0	24.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.812	9.812	0.000	96	193004	25.0	26.9	
10 Dichlorodifluoromethane	85	1.313	1.313	0.000	98	156388	25.0	29.2	
11 Chloromethane	50	1.508	1.508	0.000	99	319862	25.0	35.1	
17 Vinyl chloride	62	1.599	1.611	-0.012	62	213826	25.0	32.8	
12 Bromomethane	94	1.928	1.922	0.006	90	115523	25.0	29.5	
13 Chloroethane	64	1.995	2.007	-0.012	95	114020	25.0	30.4	
14 Trichlorofluoromethane	101	2.244	2.250	-0.006	80	275040	25.0	31.7	
16 1,1,2-Trichloro-1,2,2-trif	101	2.743	2.743	0.000	89	137730	25.0	27.0	
25 1,1-Dichloroethene	96	2.761	2.761	0.000	94	155168	25.0	31.1	
24 Acetone	43	2.871	2.876	0.000	98	371429	125.0	134.8	
27 Carbon disulfide	76	2.980	2.986	-0.006	99	449408	25.0	30.9	
30 Methyl acetate	43	3.169	3.169	0.000	99	334020	50.0	50.5	
31 Methylene Chloride	84	3.296	3.303	-0.007	92	164650	25.0	29.9	
32 Methyl tert-butyl ether	73	3.485	3.479	0.006	96	402699	25.0	26.3	
35 trans-1,2-Dichloroethene	96	3.497	3.503	-0.006	95	174247	25.0	30.5	
40 1,1-Dichloroethane	63	3.929	3.929	0.000	96	323258	25.0	29.9	
43 cis-1,2-Dichloroethene	96	4.489	4.489	0.000	82	183277	25.0	30.7	
44 2-Butanone (MEK)	43	4.525	4.525	0.000	97	579142	125.0	137.7	
49 Chloroform	83	4.805	4.811	0.000	97	290646	25.0	29.3	
52 1,1,1-Trichloroethane	97	4.915	4.915	0.000	90	253246	25.0	32.7	
54 Cyclohexane	56	4.921	4.939	0.000	96	295626	25.0	27.1	
55 Carbon tetrachloride	117	5.055	5.048	0.000	95	249241	25.0	34.2	
57 Benzene	78	5.274	5.280	-0.006	94	612828	25.0	28.8	
60 1,2-Dichloroethane	62	5.353	5.347	0.006	95	245095	25.0	28.6	
62 Trichloroethene	95	5.888	5.894	-0.006	93	198076	25.0	33.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	6.004	6.004	0.000	96	187345	25.0	26.9	
63 1,2-Dichloropropane	63	6.137	6.137	0.000	89	172364	25.0	28.0	
70 Dichlorobromomethane	83	6.429	6.430	-0.001	97	204323	25.0	29.6	
73 cis-1,3-Dichloropropene	75	6.843	6.843	0.000	85	212154	25.0	26.6	
75 4-Methyl-2-pentanone (MIBK)	43	6.989	6.989	0.000	99	1207662	125.0	125.5	
76 Toluene	92	7.135	7.129	0.006	97	420717	25.0	27.4	
78 trans-1,3-Dichloropropene	75	7.421	7.415	0.006	96	201530	25.0	25.8	
79 1,1,2-Trichloroethane	83	7.610	7.610	0.000	94	118163	25.0	26.9	
80 Tetrachloroethene	166	7.671	7.664	0.007	94	201894	25.0	28.6	
83 2-Hexanone	43	7.835	7.835	0.000	97	899483	125.0	136.9	
81 Chlorodibromomethane	129	8.011	8.011	0.000	91	185048	25.0	31.2	
85 Ethylene Dibromide	107	8.115	8.115	0.000	99	156209	25.0	27.5	
87 Chlorobenzene	112	8.589	8.589	0.000	96	497388	25.0	28.0	
89 Ethylbenzene	91	8.680	8.674	0.006	98	772321	25.0	28.4	
90 m-Xylene & p-Xylene	106	8.802	8.796	0.000	98	313920		30.3	
93 o-Xylene	106	9.234	9.222	0.006	97	308933		29.1	
94 Styrene	104	9.264	9.258	0.006	95	539029	25.0	29.0	
92 Bromoform	173	9.514	9.514	0.000	97	126539	25.0	32.4	
95 Isopropylbenzene	105	9.611	9.611	0.000	96	803363	25.0	27.7	
97 1,1,2,2-Tetrachloroethane	83	10.013	10.019	-0.006	95	195387	25.0	25.7	
99 N-Propylbenzene	91	10.031	10.031	0.000	99	885595	25.0	26.5	
102 1,3,5-Trimethylbenzene	105	10.207	10.207	0.000	96	665165	25.0	27.2	
107 1,2,4-Trimethylbenzene	105	10.578	10.579	0.000	97	696070	25.0	27.6	
110 1,3-Dichlorobenzene	146	10.877	10.871	0.007	80	447963	25.0	27.1	
111 1,4-Dichlorobenzene	146	10.962	10.962	0.000	96	449088	25.0	26.5	
116 1,2-Dichlorobenzene	146	11.309	11.309	0.000	98	438179	25.0	26.6	
117 1,2-Dibromo-3-Chloropropan	75	12.039	12.045	-0.006	90	34166	25.0	28.8	
119 1,2,4-Trichlorobenzene	180	12.708	12.702	-0.006	95	275598	25.0	27.7	
S 126 Xylenes, Total	1				0			59.4	

Reagents:

8260 CORP mix_00154

Amount Added: 12.50

Units: uL

GAS CORP mix_00341

Amount Added: 12.50

Units: uL

P 8260 IS_00373

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00342

Amount Added: 1.25

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973P\20190514-81087.b\P43374.D

Injection Date: 15-May-2019 07:27:30

Instrument ID: HP5973P

Operator ID: OI

Lims ID: 480-152979-A-4 MSD

Worklist Smp#: 33

Client ID: GT-15-050319

Purge Vol: 5.000 mL

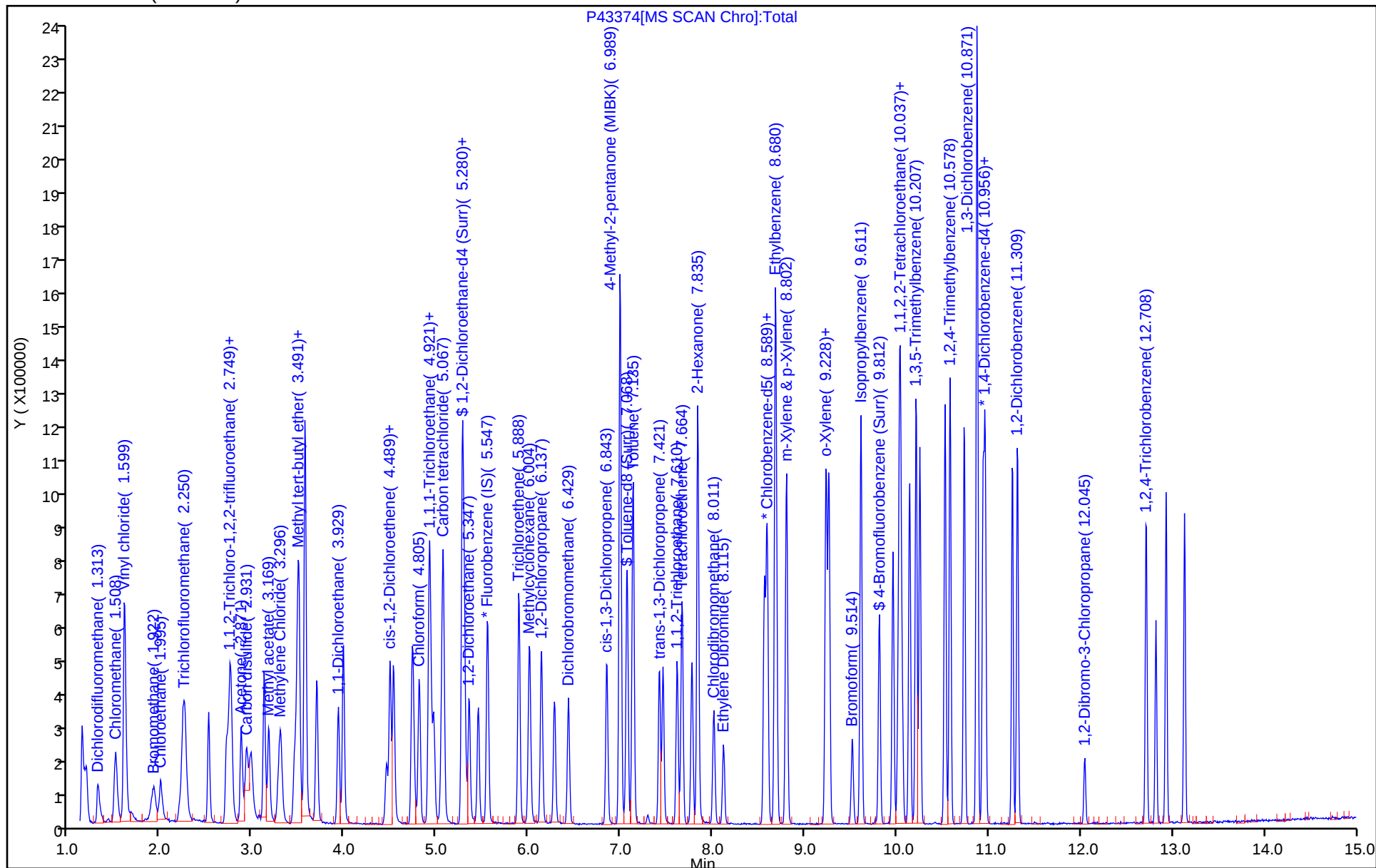
Dil. Factor: 1.0000

ALS Bottle#: 54

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-152979-1

SDG No.: _____

Instrument ID: HP5973PStart Date: 04/29/2019 13:56Analysis Batch Number: 470287End Date: 04/29/2019 22:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-470287/3		04/29/2019 13:56	1	P42641.D	ZB-624 (20) 0.18 (mm)
IC 480-470287/5		04/29/2019 14:46	1	P42643.D	ZB-624 (20) 0.18 (mm)
IC 480-470287/6		04/29/2019 15:09	1	P42644.D	ZB-624 (20) 0.18 (mm)
IC 480-470287/7		04/29/2019 15:34	1	P42645.D	ZB-624 (20) 0.18 (mm)
IC 480-470287/8		04/29/2019 15:58	1	P42646.D	ZB-624 (20) 0.18 (mm)
ICIS 480-470287/9		04/29/2019 16:22	1	P42647.D	ZB-624 (20) 0.18 (mm)
IC 480-470287/10		04/29/2019 16:46	1	P42648.D	ZB-624 (20) 0.18 (mm)
IC 480-470287/11		04/29/2019 17:09	1	P42649.D	ZB-624 (20) 0.18 (mm)
IC 480-470287/13		04/29/2019 17:57	1		ZB-624 (20) 0.18 (mm)
IC 480-470287/14		04/29/2019 18:21	1		ZB-624 (20) 0.18 (mm)
IC 480-470287/15		04/29/2019 18:45	1		ZB-624 (20) 0.18 (mm)
IC 480-470287/16		04/29/2019 19:09	1		ZB-624 (20) 0.18 (mm)
IC 480-470287/17		04/29/2019 19:32	1		ZB-624 (20) 0.18 (mm)
IC 480-470287/18		04/29/2019 19:56	1		ZB-624 (20) 0.18 (mm)
IC 480-470287/19		04/29/2019 20:20	1		ZB-624 (20) 0.18 (mm)
MDLV 480-470287/21		04/29/2019 21:07	1		ZB-624 (20) 0.18 (mm)
MDLV 480-470287/22		04/29/2019 21:31	1		ZB-624 (20) 0.18 (mm)
ICV 480-470287/23		04/29/2019 21:55	1		ZB-624 (20) 0.18 (mm)
ICV 480-470287/24		04/29/2019 22:19	1		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-152979-1

SDG No.:

Instrument ID: HP5973P

Start Date: 05/14/2019 21:30

Analysis Batch Number: 472817

End Date: 05/15/2019 07:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-472817/2		05/14/2019 21:30	1	P43349.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-472817/3		05/14/2019 21:54	1	P43350.D	ZB-624 (20) 0.18 (mm)
CCV 480-472817/4		05/14/2019 22:17	1		ZB-624 (20) 0.18 (mm)
LCS 480-472817/5		05/14/2019 22:41	1	P43352.D	ZB-624 (20) 0.18 (mm)
MB 480-472817/7		05/14/2019 23:29	1	P43354.D	ZB-624 (20) 0.18 (mm)
480-152979-1		05/14/2019 23:53	4	P43355.D	ZB-624 (20) 0.18 (mm)
480-152979-2		05/15/2019 00:18	1	P43356.D	ZB-624 (20) 0.18 (mm)
480-152979-3		05/15/2019 00:42	1	P43357.D	ZB-624 (20) 0.18 (mm)
480-152979-4		05/15/2019 01:06	1	P43358.D	ZB-624 (20) 0.18 (mm)
480-152979-5		05/15/2019 01:29	1	P43359.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 01:53	2		ZB-624 (20) 0.18 (mm)
480-152979-7		05/15/2019 02:17	1	P43361.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 02:41	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 03:05	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 03:29	5		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 03:53	5		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 04:16	5		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 04:40	10		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 05:04	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 05:28	4		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 05:51	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 06:15	4000		ZB-624 (20) 0.18 (mm)
480-152979-4 MS		05/15/2019 07:03	1	P43373.D	ZB-624 (20) 0.18 (mm)
480-152979-4 MSD		05/15/2019 07:27	1	P43374.D	ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-152979-1

SDG No.: _____

Instrument ID: HP5973PStart Date: 05/15/2019 08:57Analysis Batch Number: 472891End Date: 05/15/2019 19:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-472891/2		05/15/2019 08:57	1	P43376.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-472891/3		05/15/2019 09:22	1	P43377.D	ZB-624 (20) 0.18 (mm)
CCV 480-472891/4		05/15/2019 09:46	1		ZB-624 (20) 0.18 (mm)
LCS 480-472891/5		05/15/2019 10:22	1	P43379.D	ZB-624 (20) 0.18 (mm)
MB 480-472891/7		05/15/2019 11:10	1	P43381.D	ZB-624 (20) 0.18 (mm)
480-152979-6		05/15/2019 11:45	1	P43382.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 12:09	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 12:33	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 12:57	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 13:21	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 13:45	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 14:09	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 14:33	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 14:56	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 15:20	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 15:45	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 16:09	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 16:32	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 16:57	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 17:21	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 17:45	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 18:09	50		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 18:34	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 18:58	50		ZB-624 (20) 0.18 (mm)
ZZZZZ		05/15/2019 19:22	50		ZB-624 (20) 0.18 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1

SDG No.: _____

Batch Number: 472817 Batch Start Date: 05/14/19 21:30 Batch Analyst: Izquierdo, Olivia MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00154	BFB_WRK 00086	GAS CORP mix 00341
BFB 480-472817/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-472817/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-472817/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-472817/7		8260C		5 mL	5 mL				
480-152979-A-1	GT-9R-050319	8260C	T	5 mL	5 mL	<2 SU			
480-152979-A-2	GT-16-050319	8260C	T	5 mL	5 mL	<2 SU			
480-152979-B-3	DUP-050319	8260C	T	5 mL	5 mL	<2 SU			
480-152979-A-4	GT-15-050319	8260C	T	5 mL	5 mL	<2 SU			
480-152979-A-4 MS	GT-15-050319	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-152979-A-4 MSD	GT-15-050319	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-152979-A-5	GT-7-050319	8260C	T	5 mL	5 mL	<2 SU			
480-152979-A-7	Trip Blank	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	P 8260 IS 00373	P 8260 Surr. 00342				
BFB 480-472817/2		8260C							
CCVIS 480-472817/3		8260C		1.25 uL	1.25 uL				
LCS 480-472817/5		8260C		1.25 uL	1.25 uL				
MB 480-472817/7		8260C		1.25 uL	1.25 uL				
480-152979-A-1	GT-9R-050319	8260C	T	1.25 uL	1.25 uL				
480-152979-A-2	GT-16-050319	8260C	T	1.25 uL	1.25 uL				
480-152979-B-3	DUP-050319	8260C	T	1.25 uL	1.25 uL				
480-152979-A-4	GT-15-050319	8260C	T	1.25 uL	1.25 uL				
480-152979-A-4 MS	GT-15-050319	8260C	T	1.25 uL	1.25 uL				
480-152979-A-4 MSD	GT-15-050319	8260C	T	1.25 uL	1.25 uL				
480-152979-A-5	GT-7-050319	8260C	T	1.25 uL	1.25 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.: 480-152979-1

SDG No.: _____

Batch Number: 472817 Batch Start Date: 05/14/19 21:30 Batch Analyst: Izquierdo, Olivia MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	P 8260 IS 00373	P 8260 Surr. 00342				
480-152979-A-7	Trip Blank	8260C	T	1.25 uL	1.25 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152979-1

SDG No.: _____

Batch Number: 472891 Batch Start Date: 05/15/19 08:57 Batch Analyst: Velickovic, Snezana 1Batch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00154	BFB_WRK 00086	GAS CORP mix 00341
BFB 480-472891/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-472891/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-472891/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-472891/7		8260C		5 mL	5 mL				
480-152979-B-6	VRI-9-050319	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	P 8260 IS 00373	P 8260 Surr. 00342				
BFB 480-472891/2		8260C							
CCVIS 480-472891/3		8260C		1.25 uL	1.25 uL				
LCS 480-472891/5		8260C		1.25 uL	1.25 uL				
MB 480-472891/7		8260C		1.25 uL	1.25 uL				
480-152979-B-6	VRI-9-050319	8260C	T	1.25 uL	1.25 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

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

Shipping and Receiving Documents

Albany
#224

Client Information Client Contact: Jessica Steigenwald Company: ARCADIS U.S. Inc. Address: 855 Route 146 Suite 210 City: Clifton Park State, Zip: NY, 12065 Phone: AP086277.3000.3000S Email: Jessica.Steigenwald@arcadis.com Project #: GE Rotterdam, NY - GW 2019 Site:		Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com COC No: 480-129788-29282.1 Page: Page 1 of 3 Job #:	
Due Date Requested: TAT Requested (days): PO #: WO #: Project #: SSOW#:		Analysis Requested  480-152979 Chain of Custody	
Sample Identification Sample ID: GT-9R-050319 Sample ID: GT-16-050319 Sample ID: DUP-050319 Sample ID: GT-15-050319 Sample ID: GT-15-050319-MSD Sample ID: GT-15-050319-MS Sample ID: GT-7-050319 Sample ID: VAI-9-050319		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Sample Date 5/3/19 5/3/19 5/3/19 5/3/19 5/3/19 5/3/19 5/3/19		Sample Time 1125 1330 1200 1200 1345 815	
Sample Type G G G G G G G		Matrix Water Water Water Water Water Water Water	
Field Filtered Sample (Yes or No) X X X X X X X		Perform MS/MSD (Yes or No) X X X X X X X	
8260C - VOCs X X X X X X X		8260C - VOCs X X X X X X X	
Total Number of Containers 1 1 1 1 1 1 1		Special Instructions/Note: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)			
Empty Kit Relinquished by: Relinquished by: Kari G. Davis Date/Time: 5/3/19 1621 Relinquished by: Kari G. Davis Date/Time: 5/3/19 1800 Relinquished by: Kari G. Davis Date/Time: 5/3/19 1800			
Custody Seal No.: Custody Seal Intact: ☒ Yes ☐ No Cooler Temperature(s) °C and Other Remarks: 1.4 #1			

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-152979-1

Login Number: 152979

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Velickovic, Zoran

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

APPENDIX C

Data Usability Summary Report



Von Roll Isola USA, Inc. - Riverview Site

DATA USABILITY SUMMARY REPORT (DUSR)

Rotterdam, New York

Volatiles Analysis

SDGs # 480-152909-1 and 480-152979-1

Analyses Performed By:

TestAmerica Laboratories, Inc.

Buffalo, NY

Report #32870R

Review Level: Tier III

Project: ARC86277.3000.000NB

A large, solid orange geometric shape, resembling a stylized triangle or a section of a larger triangle, is positioned in the bottom right corner of the page. It is composed of two overlapping triangles, creating a complex, angular form. A thin white line runs diagonally across the shape, and a thin white horizontal line runs across the page, intersecting the shape.

DATA REVIEW REPORT

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Groups (SDGs) # 480-152909-1 and 480-152979-1 for samples collected in association with the Von Roll Isola USA, Inc. Site (Riverview Site) in Rotterdam, New York. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

SDGs	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis	
						VOC	MISC
480-152909-1	GT-14-050219	480-152909-1	Water	05/02/19		X	
	IW-5-050219	480-152909-2	Water	05/02/19		X	
	VRI-2-050219	480-152909-3	Water	05/02/19		X	
	IW-6-050219	480-152909-4	Water	05/02/19		X	
	IW-4-050219	480-152909-5	Water	05/02/19		X	
	VRI-3-050219	480-152909-6	Water	05/02/19		X	
	EB-050219	480-152909-7	Water	05/02/19		X	
	IW7-050119	480-152909-8	Water	05/01/19		X	
	IW-3-050119	480-152909-9	Water	05/01/19		X	
	IW-2-050119	480-152909-10	Water	05/01/19		X	
	VRI-I-050119	480-152909-11	Water	05/01/19		X	
	Trip Blank	480-152909-12	Water	05/01/19		X	
480-152979-1	GT-9R-050319	480-152979-1	Water	05/03/19		X	
	GT-16-050319	480-152979-2	Water	05/03/19		X	
	DUP-050319	480-152979-3	Water	05/03/19	GT-16-050319	X	
	GT-15-050319	480-152979-4	Water	05/03/19		X	
	GT-7-050319	480-152979-5	Water	05/03/19		X	
	VRI-9-050319	480-152979-6	Water	05/03/19		X	
	Trip Blank	480-152979-7	Water	05/03/19		X	

Note:

1. The matrix spike/matrix spike duplicate (MS/MSD) analysis was performed on sample GT-15-050319.

DATA REVIEW REPORT

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

Note:

QA - Quality Assurance

DATA REVIEW REPORT

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260C. Data were reviewed in accordance with USEPA Region II SOPs, National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-2017-002, January 2017 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999, as appropriate).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
 - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
 - UB Compound is considered non-detect at the listed value due to associated blank contamination.
 - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
 - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is

DATA REVIEW REPORT

that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

DATA REVIEW REPORT

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260C	Water	14 days from collection to analysis (preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:

s.u. Standard units

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable, and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (15%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

DATA REVIEW REPORT

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

SDGs	Samples	Continuing Calibration	Compounds	Criteria
480-152909-1	GT-14-050219	CCV %D	Methyl tert-butyl ether	-21.5%
	IW-5-050219		1,2-Dichloroethane	-21.7%
	VRI-2-050219		1,2,4-Trichlorobenzene	-20.2%
	IW-6-050219	CCV %D	Methyl tert-butyl ether	-20.7%
	VRI-3-050219		Methyl acetate	-25.1%
	EB-050219	CCV %D	Dibromochloromethane	25.8%
	IW-4-050219		Bromoform	28.3%
	IW7-050119	CCV %D	Bromodichloromethane	27.4%
	IW-2-050119		Dibromochloromethane	58.8%
	VRI-I-050119		Bromoform	91.0%
	Trip Blank		Carbon tetrachloride	53.2%
	IW-3-050119	CCV %D	Bromodichloromethane	27.4%
			Dibromochloromethane	58.8%
			Bromoform	91.0%
			Carbon tetrachloride	53.2%
480-152979-1	VRI-9-050319	CCV %D	Bromoform	25.7%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01 ¹	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01 ¹	Non-detect	No Action
		Detect	

DATA REVIEW REPORT

Initial/Continuing	Criteria	Sample Result	Qualification
Initial Calibration	%RSD > 15% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD >90%	Non-detect	R
		Detect	J
Continuing Calibration	%D >20%	Non-detect	No Action
		Detect	J
	%D <20%	Non-detect	UJ
		Detect	J
	%D >90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

Note:

¹ RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketones, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

Sample associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

DATA REVIEW REPORT

Sample	Compounds	MS Recovery	MSD Recovery
SDG# 480-152979-1: GT-15-050319	1,2,4-Trimethylbenzene	>UL	>UL
	1,1-Dichloroethane	>UL	AC
	Bromodichloromethane	>UL	AC
	Bromoform	>UL	AC
	Carbon tetrachloride	>UL	>UL
	Chlorobenzene	>UL	AC
	Chloromethane	>UL	>UL
	cis-1,2-Dichloroethene	>UL	AC
	Dibromochloroemethane	>UL	AC
	Styrene	>UL	AC
	trans-1,2-Dichloroethene	>UL	AC
	Trichloroethene	>UL	AC

Notes:

AC Acceptable

UL Upper control limit

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

8. Laboratory Control Sample/ (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

DATA REVIEW REPORT

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
GT-16-05319 / DUP-050319	Carbon tetrachloride	0.38 J	0.59 J	Acceptable
	Chloroform	2.9	2.7	
	Trichloroethene	3.9	3.8	

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Sample results associated with compound that exhibited a concentration greater than the linear range of the instrument calibration are summarized in the following table.

Sample ID	Compounds	Original Analysis	Diluted Analysis	Reported Analysis
SDG# 480-152909-1:	1,2,4-Trimethylbenzene	7700 E	7200 D	7200 D
IW-6-050219	Xylenes, Total	6900 E	6600 D	6600 D
SDG# 480-152909-1: IW7-050119	1,2,4-Trimethylbenzene	2100 E	2100 D	2100 D
	1,3,5-Trimethylbenzene	1200 E	1300 D	1300 D
	Xylenes, Total	2000 E	2000 D	2000 D

Sample results associated with compounds exhibiting concentrations greater than the linear range are qualified as documented in the table below when reported as the final reported sample result.

Reported Sample Results	Qualification
Diluted sample result within calibration range	D
Diluted sample result less than the calibration range	DJ
Diluted sample result greater than the calibration range	EDJ
Original sample result greater than the calibration range	EJ

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA REVIEW REPORT

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required	
	No	Yes	No	Yes		
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)						
Tier II Validation						
Holding times		X		X		
Reporting limits (units)		X		X		
Blanks						
A. Method blanks		X		X		
B. Equipment blanks		X		X		
C. Trip blanks		X		X		
Laboratory Control Sample (LCS)		X		X		
Laboratory Control Sample Duplicate(LCSD)					X	
LCS/LCSD Precision (RPD)					X	
Matrix Spike (MS)		X	X			
Matrix Spike Duplicate(MSD)		X	X			
MS/MSD Precision (RPD)		X		X		
Field/Lab Duplicate (RPD)		X		X		
Surrogate Spike Recoveries		X		X		
Dilution Factor		X		X		
Moisture Content					X	
Tier III Validation						
System performance and column resolution		X		X		
Initial calibration %RSDs		X		X		
Continuing calibration RRFs		X		X		
Continuing calibration %Ds		X	X			
Instrument tune and performance check		X		X		
Ion abundance criteria for each instrument used		X		X		
Internal standard		X		X		
Compound identification and quantitation						
A. Reconstructed ion chromatograms		X		X		
B. Quantitation Reports		X		X		
C. RT of sample compounds within the established RT		X		X		

DATA REVIEW REPORT

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
windows					
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

DATA REVIEW REPORT

Sampling Date	Protocol	Sample ID	Matrix	Compliance ¹		Noncompliance
				VOC	MISC	
05-02-2019	SW846 8260C	GT-14-050219	Water	No	--	VOC: CCV %D
05-02-2019	SW846 8260C	IW-5-050219	Water	No	--	VOC: CCV %D
05-02-2019	SW846 8260C	VRI-2-050219	Water	No	--	VOC: CCV %D
05-02-2019	SW846 8260C	IW-6-050219	Water	No	--	VOC: CCV %D and compounds exceeded the calibration range
05-02-2019	SW846 8260C	IW-4-050219	Water	No	--	VOC: CCV %D
05-02-2019	SW846 8260C	VRI-3-050219	Water	No	--	VOC: CCV %D
05-02-2019	SW846 8260C	EB-050219	Water	No	--	VOC: CCV %D
05-01-2019	SW846 8260C	IW7-050119	Water	No	--	VOC: Compounds exceeded the calibration range
05-01-2019	SW846 8260C	IW-3-050119	Water	Yes	--	
05-01-2019	SW846 8260C	IW-2-050119	Water	Yes	--	
05-01-2019	SW846 8260C	VRI-I-050119	Water	Yes	--	
05-01-2019	SW846 8260C	Trip Blank	Water	Yes	--	
05-03-2019	SW846 8260C	GT-9R-050319	Water	Yes	--	
05-03-2019	SW846 8260C	GT-16-050319	Water	Yes	--	
05-03-2019	SW846 8260C	DUP-050319	Water	Yes	--	
05-03-2019	SW846 8260C	GT-15-050319	Water	No	--	VOC: MS High recovery
05-03-2019	SW846 8260C	GT-7-050319	Water	Yes	--	
05-03-2019	SW846 8260C	VRI-9-050319	Water	Yes	--	
05-03-2019	SW846 8260C	Trip Blank	Water	Yes	--	

Note:

Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable

DATA REVIEW REPORT

VALIDATION PERFORMED BY: Suresh PR

SIGNATURE:



DATE: May 30, 2019

PEER REVIEW: Dennis Capria

DATE: May 30, 2019

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS



Client Information Client Contact: Jessica Steigerwald Company: ARCADIS U.S. Inc. Address: 855 Route 146 Suite 210 City: Clifton Park State, Zip: NY, 12065 Phone: _____ Email: Jessica.Steigerwald@arcadis.com		Lab PM: LS + KL Devo, Melissa L. E-Mail: melissa.devo@testamericainc.com		Carrier Tracking No(s): 480-129788-29282.2 Page: Page 2 of 3 Job #: _____	
Analysis Requested					
Due Date Requested: _____ TAT Requested (days): _____		Preservation Codes: A - HCVI M - Hexane 2 3 3 33 decahydrate 3 3			
PO #: AP086277.3000.3000S WO #: _____ Project #: 48018160 SSOW#: _____		480-152909 Chain of Custody 			
Sample Identification		Special Instructions/Note:			
Sample Date 5-2-19 5-2-19 5-2-19 5-2-19 5-2-19 5-2-19 5-2-19		Sample Time 1425 1205 1117 920 920 1455 1510		Matrix (Water, G-solid, O-wash, BT=Tissue, AsAir) Water Water Water Water Water Water Water	
Sample Type (C=Comp, G=grab) G G G G G G G		Field Filtered Sample (Yes or No) X X X X X X X		Perform MS/MSD (Yes or No) A N A A A A A	
Preservation Code: G G G G G G G		8260C - VOCs X X X X X X X		8260C - VOCs X X X X X X X	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:		Method of Shipment:	
Relinquished by: Noti N. Nini		Date/Time: 5-2-19 4:15pm		Received by: Tim Krollmeyer	
Relinquished by: Tim Krollmeyer		Date/Time: 5-2-19 1800		Received by: Aracdis	
Relinquished by:		Date/Time:		Received by:	
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	

Chain of Custody Record

Albany

#221



Client Information Client Contact: Jessica Steigewald Company: ARCADIS U.S. Inc. Address: 855 Route 146 Suite 210 City: Clifton Park State, Zip: NY, 12065 Phone: _____ Email: Jessica.Steigewald@arcadis.com Project Name: GE Rotterdam, NY - GW 2019 Site: GE Riverview		Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com Carrier Tracking No(s): _____ COC No: 480-129788-29282.3 Page: Page 3 of 3 Job #: _____	
Due Date Requested: TAT Requested (days): 10-day PO #: AP086277.3000.3000S WO #: _____ Project #: 48018160 SSOW #: _____		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 X - other (specify) Other: _____	
Sample Identification Sample ID: TW-7-050119 TW-3-050119 TW-2-050119 VRI-1-050119		Sample Date: 5-1-19 Sample Time: 3:00 Sample Type (C=Comp, G=grab): G Matrix (W=water, S=solid, O=wastewater, A=air): Water Field Filtered Sample (Yes or No): N Perform MS/MSD (Yes or No): N 8260C - VOCs: N 8260C - VOCs: N Total Number of Containers: 3	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV Other (specify): _____		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab Special Instructions/QC Requirements: _____	
Empty Kit Relinquished by: Relinquished by: Jessica Steigewald Date/Time: 5/1/19 1820 Relinquished by: Tim Knollmeyer Date/Time: 5-2-19 1800		Method of Shipment: Date/Time: 5-1-19 1820 Date/Time: 5-2-19 1800 Date/Time: _____	
Custody Seal No.: _____ Custody Seals Intact: ☐ Yes ☐ No		Cooler Temperature(s) °C and Other Remarks: 2.0 #1	

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: GT-14-050219

Lab Sample ID: 480-152909-1

Date Collected: 05/02/19 14:25

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/11/19 14:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/11/19 14:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/11/19 14:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/11/19 14:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/11/19 14:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/11/19 14:21	1
1,2,4-Trichlorobenzene	ND	UJ	1.0	0.41	ug/L			05/11/19 14:21	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/11/19 14:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/11/19 14:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/11/19 14:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/11/19 14:21	1
1,2-Dichloroethane	ND	UJ	1.0	0.21	ug/L			05/11/19 14:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/11/19 14:21	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/11/19 14:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/11/19 14:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/11/19 14:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/11/19 14:21	1
2-Hexanone	ND		5.0	1.2	ug/L			05/11/19 14:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/11/19 14:21	1
Acetone	ND		10	3.0	ug/L			05/11/19 14:21	1
Benzene	ND		1.0	0.41	ug/L			05/11/19 14:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/11/19 14:21	1
Bromoform	ND		1.0	0.26	ug/L			05/11/19 14:21	1
Bromomethane	ND		1.0	0.69	ug/L			05/11/19 14:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/11/19 14:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/11/19 14:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/11/19 14:21	1
Chloroethane	ND		1.0	0.32	ug/L			05/11/19 14:21	1
Chloroform	ND		1.0	0.34	ug/L			05/11/19 14:21	1
Chloromethane	ND		1.0	0.35	ug/L			05/11/19 14:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/11/19 14:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/11/19 14:21	1
Cyclohexane	ND		1.0	0.18	ug/L			05/11/19 14:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/11/19 14:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/11/19 14:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/11/19 14:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/11/19 14:21	1
Methyl acetate	ND		2.5	1.3	ug/L			05/11/19 14:21	1
Methyl tert-butyl ether	ND	UJ	1.0	0.16	ug/L			05/11/19 14:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/11/19 14:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/11/19 14:21	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/11/19 14:21	1
Styrene	ND		1.0	0.73	ug/L			05/11/19 14:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/11/19 14:21	1
Toluene	ND		1.0	0.51	ug/L			05/11/19 14:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/11/19 14:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/11/19 14:21	1
Trichloroethene	ND		1.0	0.46	ug/L			05/11/19 14:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/11/19 14:21	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: GT-14-050219

Lab Sample ID: 480-152909-1

Date Collected: 05/02/19 14:25

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			05/11/19 14:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/11/19 14:21	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120					05/11/19 14:21	1
4-Bromofluorobenzene (Surr)	87		73 - 120					05/11/19 14:21	1
Dibromofluoromethane (Surr)	96		75 - 123					05/11/19 14:21	1
Toluene-d8 (Surr)	94		80 - 120					05/11/19 14:21	1

Client Sample ID: IW-5-050219

Lab Sample ID: 480-152909-2

Date Collected: 05/02/19 12:05

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			05/11/19 14:45	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			05/11/19 14:45	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			05/11/19 14:45	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			05/11/19 14:45	20
1,1-Dichloroethane	ND		20	7.6	ug/L			05/11/19 14:45	20
1,1-Dichloroethene	ND		20	5.8	ug/L			05/11/19 14:45	20
1,2,4-Trichlorobenzene	ND	UJ	20	8.2	ug/L			05/11/19 14:45	20
1,2,4-Trimethylbenzene	580		20	15	ug/L			05/11/19 14:45	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			05/11/19 14:45	20
1,2-Dibromoethane	ND		20	15	ug/L			05/11/19 14:45	20
1,2-Dichlorobenzene	ND		20	16	ug/L			05/11/19 14:45	20
1,2-Dichloroethane	ND	UJ	20	4.2	ug/L			05/11/19 14:45	20
1,2-Dichloropropane	ND		20	14	ug/L			05/11/19 14:45	20
1,3,5-Trimethylbenzene	490		20	15	ug/L			05/11/19 14:45	20
1,3-Dichlorobenzene	ND		20	16	ug/L			05/11/19 14:45	20
1,4-Dichlorobenzene	ND		20	17	ug/L			05/11/19 14:45	20
2-Butanone (MEK)	ND		200	26	ug/L			05/11/19 14:45	20
2-Hexanone	ND		100	25	ug/L			05/11/19 14:45	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			05/11/19 14:45	20
Acetone	ND		200	60	ug/L			05/11/19 14:45	20
Benzene	ND		20	8.2	ug/L			05/11/19 14:45	20
Bromodichloromethane	ND		20	7.8	ug/L			05/11/19 14:45	20
Bromoform	ND		20	5.2	ug/L			05/11/19 14:45	20
Bromomethane	ND		20	14	ug/L			05/11/19 14:45	20
Carbon disulfide	ND		20	3.8	ug/L			05/11/19 14:45	20
Carbon tetrachloride	ND		20	5.4	ug/L			05/11/19 14:45	20
Chlorobenzene	ND		20	15	ug/L			05/11/19 14:45	20
Chloroethane	ND		20	6.4	ug/L			05/11/19 14:45	20
Chloroform	ND		20	6.8	ug/L			05/11/19 14:45	20
Chloromethane	ND		20	7.0	ug/L			05/11/19 14:45	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			05/11/19 14:45	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			05/11/19 14:45	20
Cyclohexane	ND		20	3.6	ug/L			05/11/19 14:45	20
Dibromochloromethane	ND		20	6.4	ug/L			05/11/19 14:45	20
Dichlorodifluoromethane	ND		20	14	ug/L			05/11/19 14:45	20

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW-5-050219

Lab Sample ID: 480-152909-2

Date Collected: 05/02/19 12:05

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		20	15	ug/L			05/11/19 14:45	20
Isopropylbenzene	18	J	20	16	ug/L			05/11/19 14:45	20
Methyl acetate	ND		50	26	ug/L			05/11/19 14:45	20
Methyl tert-butyl ether	ND	UJ	20	3.2	ug/L			05/11/19 14:45	20
Methylcyclohexane	ND		20	3.2	ug/L			05/11/19 14:45	20
Methylene Chloride	ND		20	8.8	ug/L			05/11/19 14:45	20
N-Propylbenzene	17	J	20	14	ug/L			05/11/19 14:45	20
Styrene	ND		20	15	ug/L			05/11/19 14:45	20
Tetrachloroethene	ND		20	7.2	ug/L			05/11/19 14:45	20
Toluene	ND		20	10	ug/L			05/11/19 14:45	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			05/11/19 14:45	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			05/11/19 14:45	20
Trichloroethene	ND		20	9.2	ug/L			05/11/19 14:45	20
Trichlorofluoromethane	ND		20	18	ug/L			05/11/19 14:45	20
Vinyl chloride	ND		20	18	ug/L			05/11/19 14:45	20
Xylenes, Total	200		40	13	ug/L			05/11/19 14:45	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		05/11/19 14:45	20
4-Bromofluorobenzene (Surr)	91		73 - 120		05/11/19 14:45	20
Dibromofluoromethane (Surr)	97		75 - 123		05/11/19 14:45	20
Toluene-d8 (Surr)	98		80 - 120		05/11/19 14:45	20

Client Sample ID: VRI-2-050219

Lab Sample ID: 480-152909-3

Date Collected: 05/02/19 11:17

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/11/19 15:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/11/19 15:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/11/19 15:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/11/19 15:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/11/19 15:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/11/19 15:08	1
1,2,4-Trichlorobenzene	ND	UJ	1.0	0.41	ug/L			05/11/19 15:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/11/19 15:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/11/19 15:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/11/19 15:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/11/19 15:08	1
1,2-Dichloroethane	ND	UJ	1.0	0.21	ug/L			05/11/19 15:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/11/19 15:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/11/19 15:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/11/19 15:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/11/19 15:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/11/19 15:08	1
2-Hexanone	ND		5.0	1.2	ug/L			05/11/19 15:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/11/19 15:08	1
Acetone	ND		10	3.0	ug/L			05/11/19 15:08	1
Benzene	ND		1.0	0.41	ug/L			05/11/19 15:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: VRI-2-050219

Lab Sample ID: 480-152909-3

Date Collected: 05/02/19 11:17

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			05/11/19 15:08	1
Bromoform	ND		1.0	0.26	ug/L			05/11/19 15:08	1
Bromomethane	ND		1.0	0.69	ug/L			05/11/19 15:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/11/19 15:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/11/19 15:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/11/19 15:08	1
Chloroethane	ND		1.0	0.32	ug/L			05/11/19 15:08	1
Chloroform	ND		1.0	0.34	ug/L			05/11/19 15:08	1
Chloromethane	ND		1.0	0.35	ug/L			05/11/19 15:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/11/19 15:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/11/19 15:08	1
Cyclohexane	ND		1.0	0.18	ug/L			05/11/19 15:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/11/19 15:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/11/19 15:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/11/19 15:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/11/19 15:08	1
Methyl acetate	ND		2.5	1.3	ug/L			05/11/19 15:08	1
Methyl tert-butyl ether	ND	UJ	1.0	0.16	ug/L			05/11/19 15:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/11/19 15:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/11/19 15:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/11/19 15:08	1
Styrene	ND		1.0	0.73	ug/L			05/11/19 15:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/11/19 15:08	1
Toluene	ND		1.0	0.51	ug/L			05/11/19 15:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/11/19 15:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/11/19 15:08	1
Trichloroethene	ND		1.0	0.46	ug/L			05/11/19 15:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/11/19 15:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/11/19 15:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/11/19 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		05/11/19 15:08	1
4-Bromofluorobenzene (Surr)	87		73 - 120		05/11/19 15:08	1
Dibromofluoromethane (Surr)	96		75 - 123		05/11/19 15:08	1
Toluene-d8 (Surr)	98		80 - 120		05/11/19 15:08	1

Client Sample ID: IW-6-050219

Lab Sample ID: 480-152909-4

Date Collected: 05/02/19 09:20

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			05/11/19 15:31	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			05/11/19 15:31	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			05/11/19 15:31	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			05/11/19 15:31	40
1,1-Dichloroethane	ND		40	15	ug/L			05/11/19 15:31	40
1,1-Dichloroethene	ND		40	12	ug/L			05/11/19 15:31	40
1,2,4-Trichlorobenzene	ND	UJ	40	16	ug/L			05/11/19 15:31	40

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW-6-050219

Lab Sample ID: 480-152909-4

Date Collected: 05/02/19 09:20

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	7700 E	7200 D	40	30	ug/L			05/11/19 15:31	200 40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			05/11/19 15:31	40
1,2-Dibromoethane	ND		40	29	ug/L			05/11/19 15:31	40
1,2-Dichlorobenzene	ND		40	32	ug/L			05/11/19 15:31	40
1,2-Dichloroethane	ND	UJ	40	8.4	ug/L			05/11/19 15:31	40
1,2-Dichloropropane	ND		40	29	ug/L			05/11/19 15:31	40
1,3,5-Trimethylbenzene	4000		40	31	ug/L			05/11/19 15:31	40
1,3-Dichlorobenzene	ND		40	31	ug/L			05/11/19 15:31	40
1,4-Dichlorobenzene	ND		40	34	ug/L			05/11/19 15:31	40
2-Butanone (MEK)	ND		400	53	ug/L			05/11/19 15:31	40
2-Hexanone	ND		200	50	ug/L			05/11/19 15:31	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			05/11/19 15:31	40
Acetone	ND		400	120	ug/L			05/11/19 15:31	40
Benzene	ND		40	16	ug/L			05/11/19 15:31	40
Bromodichloromethane	ND		40	16	ug/L			05/11/19 15:31	40
Bromoform	ND		40	10	ug/L			05/11/19 15:31	40
Bromomethane	ND		40	28	ug/L			05/11/19 15:31	40
Carbon disulfide	ND		40	7.6	ug/L			05/11/19 15:31	40
Carbon tetrachloride	ND		40	11	ug/L			05/11/19 15:31	40
Chlorobenzene	ND		40	30	ug/L			05/11/19 15:31	40
Chloroethane	ND		40	13	ug/L			05/11/19 15:31	40
Chloroform	ND		40	14	ug/L			05/11/19 15:31	40
Chloromethane	ND		40	14	ug/L			05/11/19 15:31	40
cis-1,2-Dichloroethene	ND		40	32	ug/L			05/11/19 15:31	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			05/11/19 15:31	40
Cyclohexane	ND		40	7.2	ug/L			05/11/19 15:31	40
Dibromochloromethane	ND		40	13	ug/L			05/11/19 15:31	40
Dichlorodifluoromethane	ND		40	27	ug/L			05/11/19 15:31	40
Ethylbenzene	37 J		40	30	ug/L			05/11/19 15:31	40
Isopropylbenzene	510		40	32	ug/L			05/11/19 15:31	40
Methyl acetate	ND		100	52	ug/L			05/11/19 15:31	40
Methyl tert-butyl ether	ND	UJ	40	6.4	ug/L			05/11/19 15:31	40
Methylcyclohexane	ND		40	6.4	ug/L			05/11/19 15:31	40
Methylene Chloride	ND		40	18	ug/L			05/11/19 15:31	40
N-Propylbenzene	540		40	28	ug/L			05/11/19 15:31	40
Styrene	ND		40	29	ug/L			05/11/19 15:31	40
Tetrachloroethene	ND		40	14	ug/L			05/11/19 15:31	40
Toluene	ND		40	20	ug/L			05/11/19 15:31	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			05/11/19 15:31	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			05/11/19 15:31	40
Trichloroethene	ND		40	18	ug/L			05/11/19 15:31	40
Trichlorofluoromethane	ND		40	35	ug/L			05/11/19 15:31	40
Vinyl chloride	ND		40	36	ug/L			05/11/19 15:31	40
Xylenes, Total	6900 E	6600 D	80	26	ug/L			05/11/19 15:31	200 40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		05/11/19 15:31	40
4-Bromofluorobenzene (Surr)	92		73 - 120		05/11/19 15:31	40
Dibromofluoromethane (Surr)	96		75 - 123		05/11/19 15:31	40
Toluene-d8 (Surr)	95		80 - 120		05/11/19 15:31	40

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW-6-050219

Lab Sample ID: 480-152909-4

Date Collected: 05/02/19 09:20

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200	160	ug/L			05/13/19 11:35	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			05/13/19 11:35	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62	ug/L			05/13/19 11:35	200
1,1,2-Trichloroethane	ND		200	46	ug/L			05/13/19 11:35	200
1,1-Dichloroethane	ND		200	76	ug/L			05/13/19 11:35	200
1,1-Dichloroethene	ND		200	58	ug/L			05/13/19 11:35	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			05/13/19 11:35	200
1,2,4-Trimethylbenzene	7200		200	150	ug/L			05/13/19 11:35	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			05/13/19 11:35	200
1,2-Dibromoethane	ND		200	150	ug/L			05/13/19 11:35	200
1,2-Dichlorobenzene	ND		200	160	ug/L			05/13/19 11:35	200
1,2-Dichloroethane	ND		200	42	ug/L			05/13/19 11:35	200
1,2-Dichloropropane	ND		200	140	ug/L			05/13/19 11:35	200
1,3,5-Trimethylbenzene	3800		200	150	ug/L			05/13/19 11:35	200
1,3-Dichlorobenzene	ND		200	160	ug/L			05/13/19 11:35	200
1,4-Dichlorobenzene	ND		200	170	ug/L			05/13/19 11:35	200
2-Butanone (MEK)	ND		2000	260	ug/L			05/13/19 11:35	200
2-Hexanone	ND		1000	250	ug/L			05/13/19 11:35	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			05/13/19 11:35	200
Acetone	ND		2000	600	ug/L			05/13/19 11:35	200
Benzene	ND		200	82	ug/L			05/13/19 11:35	200
Bromodichloromethane	ND		200	78	ug/L			05/13/19 11:35	200
Bromoform	ND		200	52	ug/L			05/13/19 11:35	200
Bromomethane	ND		200	140	ug/L			05/13/19 11:35	200
Carbon disulfide	ND		200	38	ug/L			05/13/19 11:35	200
Carbon tetrachloride	ND		200	54	ug/L			05/13/19 11:35	200
Chlorobenzene	ND		200	150	ug/L			05/13/19 11:35	200
Chloroethane	ND		200	64	ug/L			05/13/19 11:35	200
Chloroform	ND		200	68	ug/L			05/13/19 11:35	200
Chloromethane	ND		200	70	ug/L			05/13/19 11:35	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			05/13/19 11:35	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			05/13/19 11:35	200
Cyclohexane	ND		200	36	ug/L			05/13/19 11:35	200
Dibromochloromethane	ND		200	64	ug/L			05/13/19 11:35	200
Dichlorodifluoromethane	ND		200	140	ug/L			05/13/19 11:35	200
Ethylbenzene	ND		200	150	ug/L			05/13/19 11:35	200
Isopropylbenzene	470		200	160	ug/L			05/13/19 11:35	200
Methyl acetate	ND *		500	260	ug/L			05/13/19 11:35	200
Methyl tert-butyl ether	ND		200	32	ug/L			05/13/19 11:35	200
Methylcyclohexane	ND		200	32	ug/L			05/13/19 11:35	200
Methylene Chloride	ND		200	88	ug/L			05/13/19 11:35	200
N-Propylbenzene	510		200	140	ug/L			05/13/19 11:35	200
Styrene	ND		200	150	ug/L			05/13/19 11:35	200
Tetrachloroethene	ND		200	72	ug/L			05/13/19 11:35	200
Toluene	ND		200	100	ug/L			05/13/19 11:35	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			05/13/19 11:35	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			05/13/19 11:35	200
Trichloroethene	ND		200	92	ug/L			05/13/19 11:35	200
Trichlorofluoromethane	ND		200	180	ug/L			05/13/19 11:35	200

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW-6-050219

Lab Sample ID: 480-152909-4

Date Collected: 05/02/19 09:20

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		200	180	ug/L			05/13/19 11:35	200
Xylenes, Total	6600		400	130	ug/L			05/13/19 11:35	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		05/13/19 11:35	200
4-Bromofluorobenzene (Surr)	96		73 - 120		05/13/19 11:35	200
Dibromofluoromethane (Surr)	92		75 - 123		05/13/19 11:35	200
Toluene-d8 (Surr)	98		80 - 120		05/13/19 11:35	200

Client Sample ID: IW-4-050219

Lab Sample ID: 480-152909-5

Date Collected: 05/02/19 09:20

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			05/13/19 11:58	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			05/13/19 11:58	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			05/13/19 11:58	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			05/13/19 11:58	10
1,1-Dichloroethane	ND		10	3.8	ug/L			05/13/19 11:58	10
1,1-Dichloroethene	ND		10	2.9	ug/L			05/13/19 11:58	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			05/13/19 11:58	10
1,2,4-Trimethylbenzene	460		10	7.5	ug/L			05/13/19 11:58	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			05/13/19 11:58	10
1,2-Dibromoethane	ND		10	7.3	ug/L			05/13/19 11:58	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			05/13/19 11:58	10
1,2-Dichloroethane	ND		10	2.1	ug/L			05/13/19 11:58	10
1,2-Dichloropropane	ND		10	7.2	ug/L			05/13/19 11:58	10
1,3,5-Trimethylbenzene	330		10	7.7	ug/L			05/13/19 11:58	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			05/13/19 11:58	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			05/13/19 11:58	10
2-Butanone (MEK)	ND		100	13	ug/L			05/13/19 11:58	10
2-Hexanone	ND		50	12	ug/L			05/13/19 11:58	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			05/13/19 11:58	10
Acetone	ND		100	30	ug/L			05/13/19 11:58	10
Benzene	ND		10	4.1	ug/L			05/13/19 11:58	10
Bromodichloromethane	ND		10	3.9	ug/L			05/13/19 11:58	10
Bromoform	ND		10	2.6	ug/L			05/13/19 11:58	10
Bromomethane	ND		10	6.9	ug/L			05/13/19 11:58	10
Carbon disulfide	ND		10	1.9	ug/L			05/13/19 11:58	10
Carbon tetrachloride	ND		10	2.7	ug/L			05/13/19 11:58	10
Chlorobenzene	ND		10	7.5	ug/L			05/13/19 11:58	10
Chloroethane	ND		10	3.2	ug/L			05/13/19 11:58	10
Chloroform	ND		10	3.4	ug/L			05/13/19 11:58	10
Chloromethane	ND		10	3.5	ug/L			05/13/19 11:58	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			05/13/19 11:58	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			05/13/19 11:58	10
Cyclohexane	ND		10	1.8	ug/L			05/13/19 11:58	10
Dibromochloromethane	ND		10	3.2	ug/L			05/13/19 11:58	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			05/13/19 11:58	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW-4-050219

Lab Sample ID: 480-152909-5

Date Collected: 05/02/19 09:20

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		10	7.4	ug/L			05/13/19 11:58	10
Isopropylbenzene	24		10	7.9	ug/L			05/13/19 11:58	10
Methyl acetate	ND	UJ	25	13	ug/L			05/13/19 11:58	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			05/13/19 11:58	10
Methylcyclohexane	ND		10	1.6	ug/L			05/13/19 11:58	10
Methylene Chloride	ND		10	4.4	ug/L			05/13/19 11:58	10
N-Propylbenzene	28		10	6.9	ug/L			05/13/19 11:58	10
Styrene	ND		10	7.3	ug/L			05/13/19 11:58	10
Tetrachloroethene	ND		10	3.6	ug/L			05/13/19 11:58	10
Toluene	ND		10	5.1	ug/L			05/13/19 11:58	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			05/13/19 11:58	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			05/13/19 11:58	10
Trichloroethene	ND		10	4.6	ug/L			05/13/19 11:58	10
Trichlorofluoromethane	ND		10	8.8	ug/L			05/13/19 11:58	10
Vinyl chloride	ND		10	9.0	ug/L			05/13/19 11:58	10
Xylenes, Total	55		20	6.6	ug/L			05/13/19 11:58	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		05/13/19 11:58	10
4-Bromofluorobenzene (Surr)	89		73 - 120		05/13/19 11:58	10
Dibromofluoromethane (Surr)	93		75 - 123		05/13/19 11:58	10
Toluene-d8 (Surr)	98		80 - 120		05/13/19 11:58	10

Client Sample ID: VRI-3-050219

Lab Sample ID: 480-152909-6

Date Collected: 05/02/19 14:55

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/11/19 16:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/11/19 16:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/11/19 16:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/11/19 16:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/11/19 16:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/11/19 16:20	1
1,2,4-Trichlorobenzene	ND	UJ	1.0	0.41	ug/L			05/11/19 16:20	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/11/19 16:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/11/19 16:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/11/19 16:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/11/19 16:20	1
1,2-Dichloroethane	ND	UJ	1.0	0.21	ug/L			05/11/19 16:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/11/19 16:20	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/11/19 16:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/11/19 16:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/11/19 16:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/11/19 16:20	1
2-Hexanone	ND		5.0	1.2	ug/L			05/11/19 16:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/11/19 16:20	1
Acetone	ND		10	3.0	ug/L			05/11/19 16:20	1
Benzene	ND		1.0	0.41	ug/L			05/11/19 16:20	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: VRI-3-050219

Lab Sample ID: 480-152909-6

Date Collected: 05/02/19 14:55

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			05/11/19 16:20	1
Bromoform	ND		1.0	0.26	ug/L			05/11/19 16:20	1
Bromomethane	ND		1.0	0.69	ug/L			05/11/19 16:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/11/19 16:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/11/19 16:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/11/19 16:20	1
Chloroethane	ND		1.0	0.32	ug/L			05/11/19 16:20	1
Chloroform	ND		1.0	0.34	ug/L			05/11/19 16:20	1
Chloromethane	ND		1.0	0.35	ug/L			05/11/19 16:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/11/19 16:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/11/19 16:20	1
Cyclohexane	ND		1.0	0.18	ug/L			05/11/19 16:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/11/19 16:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/11/19 16:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/11/19 16:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/11/19 16:20	1
Methyl acetate	ND		2.5	1.3	ug/L			05/11/19 16:20	1
Methyl tert-butyl ether	ND	UJ	1.0	0.16	ug/L			05/11/19 16:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/11/19 16:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/11/19 16:20	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/11/19 16:20	1
Styrene	ND		1.0	0.73	ug/L			05/11/19 16:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/11/19 16:20	1
Toluene	ND		1.0	0.51	ug/L			05/11/19 16:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/11/19 16:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/11/19 16:20	1
Trichloroethene	ND		1.0	0.46	ug/L			05/11/19 16:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/11/19 16:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/11/19 16:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/11/19 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		05/11/19 16:20	1
4-Bromofluorobenzene (Surr)	88		73 - 120		05/11/19 16:20	1
Dibromofluoromethane (Surr)	96		75 - 123		05/11/19 16:20	1
Toluene-d8 (Surr)	98		80 - 120		05/11/19 16:20	1

Client Sample ID: EB-050219

Lab Sample ID: 480-152909-7

Date Collected: 05/02/19 15:10

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/11/19 16:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/11/19 16:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/11/19 16:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/11/19 16:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/11/19 16:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/11/19 16:43	1
1,2,4-Trichlorobenzene	ND	UJ	1.0	0.41	ug/L			05/11/19 16:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: EB-050219

Lab Sample ID: 480-152909-7

Date Collected: 05/02/19 15:10

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/11/19 16:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/11/19 16:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/11/19 16:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/11/19 16:43	1
1,2-Dichloroethane	ND	UJ	1.0	0.21	ug/L			05/11/19 16:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/11/19 16:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/11/19 16:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/11/19 16:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/11/19 16:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/11/19 16:43	1
2-Hexanone	ND		5.0	1.2	ug/L			05/11/19 16:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/11/19 16:43	1
Acetone	ND		10	3.0	ug/L			05/11/19 16:43	1
Benzene	ND		1.0	0.41	ug/L			05/11/19 16:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/11/19 16:43	1
Bromoform	ND		1.0	0.26	ug/L			05/11/19 16:43	1
Bromomethane	ND		1.0	0.69	ug/L			05/11/19 16:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/11/19 16:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/11/19 16:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/11/19 16:43	1
Chloroethane	ND		1.0	0.32	ug/L			05/11/19 16:43	1
Chloroform	ND		1.0	0.34	ug/L			05/11/19 16:43	1
Chloromethane	ND		1.0	0.35	ug/L			05/11/19 16:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/11/19 16:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/11/19 16:43	1
Cyclohexane	ND		1.0	0.18	ug/L			05/11/19 16:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/11/19 16:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/11/19 16:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/11/19 16:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/11/19 16:43	1
Methyl acetate	ND		2.5	1.3	ug/L			05/11/19 16:43	1
Methyl tert-butyl ether	ND	UJ	1.0	0.16	ug/L			05/11/19 16:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/11/19 16:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/11/19 16:43	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/11/19 16:43	1
Styrene	ND		1.0	0.73	ug/L			05/11/19 16:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/11/19 16:43	1
Toluene	ND		1.0	0.51	ug/L			05/11/19 16:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/11/19 16:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/11/19 16:43	1
Trichloroethene	ND		1.0	0.46	ug/L			05/11/19 16:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/11/19 16:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/11/19 16:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/11/19 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		05/11/19 16:43	1
4-Bromofluorobenzene (Surr)	87		73 - 120		05/11/19 16:43	1
Dibromofluoromethane (Surr)	95		75 - 123		05/11/19 16:43	1
Toluene-d8 (Surr)	94		80 - 120		05/11/19 16:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW7-050119

Lab Sample ID: 480-152909-8

Date Collected: 05/01/19 03:00

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			05/10/19 02:45	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			05/10/19 02:45	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			05/10/19 02:45	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			05/10/19 02:45	10
1,1-Dichloroethane	ND		10	3.8	ug/L			05/10/19 02:45	10
1,1-Dichloroethene	ND		10	2.9	ug/L			05/10/19 02:45	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			05/10/19 02:45	10
1,2,4-Trimethylbenzene	2100	E 2100 D	10	7.5	ug/L			05/10/19 02:45	50 40
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			05/10/19 02:45	10
1,2-Dibromoethane	ND		10	7.3	ug/L			05/10/19 02:45	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			05/10/19 02:45	10
1,2-Dichloroethane	ND		10	2.1	ug/L			05/10/19 02:45	10
1,2-Dichloropropane	ND		10	7.2	ug/L			05/10/19 02:45	10
1,3,5-Trimethylbenzene	1200	E 1300 D	10	7.7	ug/L			05/10/19 02:45	50 40
1,3-Dichlorobenzene	ND		10	7.8	ug/L			05/10/19 02:45	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			05/10/19 02:45	10
2-Butanone (MEK)	ND		100	13	ug/L			05/10/19 02:45	10
2-Hexanone	ND		50	12	ug/L			05/10/19 02:45	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			05/10/19 02:45	10
Acetone	ND		100	30	ug/L			05/10/19 02:45	10
Benzene	ND		10	4.1	ug/L			05/10/19 02:45	10
Bromodichloromethane	ND		10	3.9	ug/L			05/10/19 02:45	10
Bromoform	ND		10	2.6	ug/L			05/10/19 02:45	10
Bromomethane	ND		10	6.9	ug/L			05/10/19 02:45	10
Carbon disulfide	ND		10	1.9	ug/L			05/10/19 02:45	10
Carbon tetrachloride	ND		10	2.7	ug/L			05/10/19 02:45	10
Chlorobenzene	ND		10	7.5	ug/L			05/10/19 02:45	10
Chloroethane	ND		10	3.2	ug/L			05/10/19 02:45	10
Chloroform	ND		10	3.4	ug/L			05/10/19 02:45	10
Chloromethane	ND		10	3.5	ug/L			05/10/19 02:45	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			05/10/19 02:45	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			05/10/19 02:45	10
Cyclohexane	ND		10	1.8	ug/L			05/10/19 02:45	10
Dibromochloromethane	ND		10	3.2	ug/L			05/10/19 02:45	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			05/10/19 02:45	10
Ethylbenzene	13		10	7.4	ug/L			05/10/19 02:45	10
Isopropylbenzene	98		10	7.9	ug/L			05/10/19 02:45	10
Methyl acetate	ND		25	13	ug/L			05/10/19 02:45	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			05/10/19 02:45	10
Methylcyclohexane	ND		10	1.6	ug/L			05/10/19 02:45	10
Methylene Chloride	7.1	J	10	4.4	ug/L			05/10/19 02:45	10
N-Propylbenzene	80		10	6.9	ug/L			05/10/19 02:45	10
Styrene	ND		10	7.3	ug/L			05/10/19 02:45	10
Tetrachloroethene	ND		10	3.6	ug/L			05/10/19 02:45	10
Toluene	ND		10	5.1	ug/L			05/10/19 02:45	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			05/10/19 02:45	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			05/10/19 02:45	10
Trichloroethene	ND		10	4.6	ug/L			05/10/19 02:45	10
Trichlorofluoromethane	ND		10	8.8	ug/L			05/10/19 02:45	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW7-050119

Lab Sample ID: 480-152909-8

Date Collected: 05/01/19 03:00

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		10	9.0	ug/L			05/10/19 02:45	10
Xylenes, Total	2000 E	2000 D	20	6.6	ug/L			05/10/19 02:45	50 40
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120					05/10/19 02:45	10
4-Bromofluorobenzene (Surr)	114		73 - 120					05/10/19 02:45	10
Dibromofluoromethane (Surr)	101		75 - 123					05/10/19 02:45	10
Toluene-d8 (Surr)	106		80 - 120					05/10/19 02:45	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	50	41	ug/L			05/10/19 13:00	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			05/10/19 13:00	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			05/10/19 13:00	50
1,1,2-Trichloroethane	ND		50	12	ug/L			05/10/19 13:00	50
1,1-Dichloroethane	ND	*	50	19	ug/L			05/10/19 13:00	50
1,1-Dichloroethene	ND		50	15	ug/L			05/10/19 13:00	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			05/10/19 13:00	50
1,2,4-Trimethylbenzene	2100		50	38	ug/L			05/10/19 13:00	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			05/10/19 13:00	50
1,2-Dibromoethane	ND		50	37	ug/L			05/10/19 13:00	50
1,2-Dichlorobenzene	ND		50	40	ug/L			05/10/19 13:00	50
1,2-Dichloroethane	ND	*	50	11	ug/L			05/10/19 13:00	50
1,2-Dichloropropane	ND	*	50	36	ug/L			05/10/19 13:00	50
1,3,5-Trimethylbenzene	1300		50	39	ug/L			05/10/19 13:00	50
1,3-Dichlorobenzene	ND		50	39	ug/L			05/10/19 13:00	50
1,4-Dichlorobenzene	ND		50	42	ug/L			05/10/19 13:00	50
2-Butanone (MEK)	ND		500	66	ug/L			05/10/19 13:00	50
2-Hexanone	ND		250	62	ug/L			05/10/19 13:00	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			05/10/19 13:00	50
Acetone	ND		500	150	ug/L			05/10/19 13:00	50
Benzene	ND		50	21	ug/L			05/10/19 13:00	50
Bromodichloromethane	ND	*	50	20	ug/L			05/10/19 13:00	50
Bromoform	ND	*	50	13	ug/L			05/10/19 13:00	50
Bromomethane	ND		50	35	ug/L			05/10/19 13:00	50
Carbon disulfide	ND		50	9.5	ug/L			05/10/19 13:00	50
Carbon tetrachloride	ND	*	50	14	ug/L			05/10/19 13:00	50
Chlorobenzene	ND		50	38	ug/L			05/10/19 13:00	50
Chloroethane	ND	*	50	16	ug/L			05/10/19 13:00	50
Chloroform	ND		50	17	ug/L			05/10/19 13:00	50
Chloromethane	ND	*	50	18	ug/L			05/10/19 13:00	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			05/10/19 13:00	50
cis-1,3-Dichloropropene	ND	*	50	18	ug/L			05/10/19 13:00	50
Cyclohexane	ND		50	9.0	ug/L			05/10/19 13:00	50
Dibromochloromethane	ND	*	50	16	ug/L			05/10/19 13:00	50
Dichlorodifluoromethane	ND		50	34	ug/L			05/10/19 13:00	50
Ethylbenzene	ND		50	37	ug/L			05/10/19 13:00	50
Isopropylbenzene	120		50	40	ug/L			05/10/19 13:00	50
Methyl acetate	ND		130	65	ug/L			05/10/19 13:00	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			05/10/19 13:00	50

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW7-050119

Lab Sample ID: 480-152909-8

Date Collected: 05/01/19 03:00

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		50	8.0	ug/L			05/10/19 13:00	50
Methylene Chloride	ND		50	22	ug/L			05/10/19 13:00	50
N-Propylbenzene	96		50	35	ug/L			05/10/19 13:00	50
Styrene	ND		50	37	ug/L			05/10/19 13:00	50
Tetrachloroethene	ND *		50	18	ug/L			05/10/19 13:00	50
Toluene	ND		50	26	ug/L			05/10/19 13:00	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			05/10/19 13:00	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			05/10/19 13:00	50
Trichloroethene	ND		50	23	ug/L			05/10/19 13:00	50
Trichlorofluoromethane	ND		50	44	ug/L			05/10/19 13:00	50
Vinyl chloride	ND		50	45	ug/L			05/10/19 13:00	50
Xylenes, Total	2000		100	33	ug/L			05/10/19 13:00	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		05/10/19 13:00	50
4-Bromofluorobenzene (Surr)	109		73 - 120		05/10/19 13:00	50
Dibromofluoromethane (Surr)	112		75 - 123		05/10/19 13:00	50
Toluene-d8 (Surr)	105		80 - 120		05/10/19 13:00	50

Client Sample ID: IW-3-050119

Lab Sample ID: 480-152909-9

Date Collected: 05/01/19 15:15

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			05/10/19 13:25	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			05/10/19 13:25	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			05/10/19 13:25	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			05/10/19 13:25	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			05/10/19 13:25	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			05/10/19 13:25	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			05/10/19 13:25	4
1,2,4-Trimethylbenzene	250		4.0	3.0	ug/L			05/10/19 13:25	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			05/10/19 13:25	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			05/10/19 13:25	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			05/10/19 13:25	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			05/10/19 13:25	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			05/10/19 13:25	4
1,3,5-Trimethylbenzene	280		4.0	3.1	ug/L			05/10/19 13:25	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			05/10/19 13:25	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			05/10/19 13:25	4
2-Butanone (MEK)	ND		40	5.3	ug/L			05/10/19 13:25	4
2-Hexanone	ND		20	5.0	ug/L			05/10/19 13:25	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			05/10/19 13:25	4
Acetone	ND		40	12	ug/L			05/10/19 13:25	4
Benzene	ND		4.0	1.6	ug/L			05/10/19 13:25	4
Bromodichloromethane	ND		4.0	1.6	ug/L			05/10/19 13:25	4
Bromoform	ND		4.0	1.0	ug/L			05/10/19 13:25	4
Bromomethane	ND		4.0	2.8	ug/L			05/10/19 13:25	4
Carbon disulfide	ND		4.0	0.76	ug/L			05/10/19 13:25	4

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW-3-050119

Lab Sample ID: 480-152909-9

Date Collected: 05/01/19 15:15

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		4.0	1.1	ug/L			05/10/19 13:25	4
Chlorobenzene	ND		4.0	3.0	ug/L			05/10/19 13:25	4
Chloroethane	ND		4.0	1.3	ug/L			05/10/19 13:25	4
Chloroform	ND		4.0	1.4	ug/L			05/10/19 13:25	4
Chloromethane	ND		4.0	1.4	ug/L			05/10/19 13:25	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			05/10/19 13:25	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			05/10/19 13:25	4
Cyclohexane	ND		4.0	0.72	ug/L			05/10/19 13:25	4
Dibromochloromethane	ND		4.0	1.3	ug/L			05/10/19 13:25	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			05/10/19 13:25	4
Ethylbenzene	ND		4.0	3.0	ug/L			05/10/19 13:25	4
Isopropylbenzene	12		4.0	3.2	ug/L			05/10/19 13:25	4
Methyl acetate	ND		10	5.2	ug/L			05/10/19 13:25	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			05/10/19 13:25	4
Methylcyclohexane	ND		4.0	0.64	ug/L			05/10/19 13:25	4
Methylene Chloride	2.0 J		4.0	1.8	ug/L			05/10/19 13:25	4
N-Propylbenzene	15		4.0	2.8	ug/L			05/10/19 13:25	4
Styrene	ND		4.0	2.9	ug/L			05/10/19 13:25	4
Tetrachloroethene	ND		4.0	1.4	ug/L			05/10/19 13:25	4
Toluene	ND		4.0	2.0	ug/L			05/10/19 13:25	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			05/10/19 13:25	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			05/10/19 13:25	4
Trichloroethene	ND		4.0	1.8	ug/L			05/10/19 13:25	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			05/10/19 13:25	4
Vinyl chloride	ND		4.0	3.6	ug/L			05/10/19 13:25	4
Xylenes, Total	100		8.0	2.6	ug/L			05/10/19 13:25	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		05/10/19 13:25	4
4-Bromofluorobenzene (Surr)	119		73 - 120		05/10/19 13:25	4
Dibromofluoromethane (Surr)	112		75 - 123		05/10/19 13:25	4
Toluene-d8 (Surr)	105		80 - 120		05/10/19 13:25	4

Client Sample ID: IW-2-050119

Lab Sample ID: 480-152909-10

Date Collected: 05/01/19 16:50

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			05/10/19 03:34	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			05/10/19 03:34	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			05/10/19 03:34	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			05/10/19 03:34	10
1,1-Dichloroethane	ND		10	3.8	ug/L			05/10/19 03:34	10
1,1-Dichloroethene	ND		10	2.9	ug/L			05/10/19 03:34	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			05/10/19 03:34	10
1,2,4-Trimethylbenzene	420		10	7.5	ug/L			05/10/19 03:34	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			05/10/19 03:34	10
1,2-Dibromoethane	ND		10	7.3	ug/L			05/10/19 03:34	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			05/10/19 03:34	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: IW-2-050119

Lab Sample ID: 480-152909-10

Date Collected: 05/01/19 16:50

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		10	2.1	ug/L			05/10/19 03:34	10
1,2-Dichloropropane	ND		10	7.2	ug/L			05/10/19 03:34	10
1,3,5-Trimethylbenzene	220		10	7.7	ug/L			05/10/19 03:34	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			05/10/19 03:34	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			05/10/19 03:34	10
2-Butanone (MEK)	ND		100	13	ug/L			05/10/19 03:34	10
2-Hexanone	ND		50	12	ug/L			05/10/19 03:34	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			05/10/19 03:34	10
Acetone	ND		100	30	ug/L			05/10/19 03:34	10
Benzene	ND		10	4.1	ug/L			05/10/19 03:34	10
Bromodichloromethane	ND		10	3.9	ug/L			05/10/19 03:34	10
Bromoform	ND		10	2.6	ug/L			05/10/19 03:34	10
Bromomethane	ND		10	6.9	ug/L			05/10/19 03:34	10
Carbon disulfide	ND		10	1.9	ug/L			05/10/19 03:34	10
Carbon tetrachloride	ND		10	2.7	ug/L			05/10/19 03:34	10
Chlorobenzene	ND		10	7.5	ug/L			05/10/19 03:34	10
Chloroethane	ND		10	3.2	ug/L			05/10/19 03:34	10
Chloroform	ND		10	3.4	ug/L			05/10/19 03:34	10
Chloromethane	ND		10	3.5	ug/L			05/10/19 03:34	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			05/10/19 03:34	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			05/10/19 03:34	10
Cyclohexane	ND		10	1.8	ug/L			05/10/19 03:34	10
Dibromochloromethane	ND		10	3.2	ug/L			05/10/19 03:34	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			05/10/19 03:34	10
Ethylbenzene	ND		10	7.4	ug/L			05/10/19 03:34	10
Isopropylbenzene	37		10	7.9	ug/L			05/10/19 03:34	10
Methyl acetate	ND		25	13	ug/L			05/10/19 03:34	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			05/10/19 03:34	10
Methylcyclohexane	ND		10	1.6	ug/L			05/10/19 03:34	10
Methylene Chloride	4.9 J		10	4.4	ug/L			05/10/19 03:34	10
N-Propylbenzene	36		10	6.9	ug/L			05/10/19 03:34	10
Styrene	ND		10	7.3	ug/L			05/10/19 03:34	10
Tetrachloroethene	ND		10	3.6	ug/L			05/10/19 03:34	10
Toluene	ND		10	5.1	ug/L			05/10/19 03:34	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			05/10/19 03:34	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			05/10/19 03:34	10
Trichloroethene	ND		10	4.6	ug/L			05/10/19 03:34	10
Trichlorofluoromethane	ND		10	8.8	ug/L			05/10/19 03:34	10
Vinyl chloride	ND		10	9.0	ug/L			05/10/19 03:34	10
Xylenes, Total	610		20	6.6	ug/L			05/10/19 03:34	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		05/10/19 03:34	10
4-Bromofluorobenzene (Surr)	114		73 - 120		05/10/19 03:34	10
Dibromofluoromethane (Surr)	97		75 - 123		05/10/19 03:34	10
Toluene-d8 (Surr)	102		80 - 120		05/10/19 03:34	10

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: VRI-I-050119

Lab Sample ID: 480-152909-11

Date Collected: 05/01/19 05:00

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/10/19 03:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/10/19 03:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/10/19 03:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/10/19 03:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/10/19 03:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/10/19 03:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/10/19 03:58	1
1,2,4-Trimethylbenzene	1.8		1.0	0.75	ug/L			05/10/19 03:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/10/19 03:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/10/19 03:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/10/19 03:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/10/19 03:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/10/19 03:58	1
1,3,5-Trimethylbenzene	18		1.0	0.77	ug/L			05/10/19 03:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/10/19 03:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/10/19 03:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/10/19 03:58	1
2-Hexanone	ND		5.0	1.2	ug/L			05/10/19 03:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/10/19 03:58	1
Acetone	ND		10	3.0	ug/L			05/10/19 03:58	1
Benzene	ND		1.0	0.41	ug/L			05/10/19 03:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/10/19 03:58	1
Bromoform	ND		1.0	0.26	ug/L			05/10/19 03:58	1
Bromomethane	ND		1.0	0.69	ug/L			05/10/19 03:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/10/19 03:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/10/19 03:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/10/19 03:58	1
Chloroethane	ND		1.0	0.32	ug/L			05/10/19 03:58	1
Chloroform	ND		1.0	0.34	ug/L			05/10/19 03:58	1
Chloromethane	ND		1.0	0.35	ug/L			05/10/19 03:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/10/19 03:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/10/19 03:58	1
Cyclohexane	ND		1.0	0.18	ug/L			05/10/19 03:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/10/19 03:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/10/19 03:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/10/19 03:58	1
Isopropylbenzene	1.3		1.0	0.79	ug/L			05/10/19 03:58	1
Methyl acetate	ND		2.5	1.3	ug/L			05/10/19 03:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/10/19 03:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/10/19 03:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/10/19 03:58	1
N-Propylbenzene	1.1		1.0	0.69	ug/L			05/10/19 03:58	1
Styrene	ND		1.0	0.73	ug/L			05/10/19 03:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/10/19 03:58	1
Toluene	ND		1.0	0.51	ug/L			05/10/19 03:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/10/19 03:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/10/19 03:58	1
Trichloroethene	ND		1.0	0.46	ug/L			05/10/19 03:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/10/19 03:58	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: VRI-I-050119

Lab Sample ID: 480-152909-11

Date Collected: 05/01/19 05:00

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			05/10/19 03:58	1
Xylenes, Total	13		2.0	0.66	ug/L			05/10/19 03:58	1

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120			05/10/19 03:58	1
4-Bromofluorobenzene (Surr)	111		73 - 120			05/10/19 03:58	1
Dibromofluoromethane (Surr)	96		75 - 123			05/10/19 03:58	1
Toluene-d8 (Surr)	96		80 - 120			05/10/19 03:58	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-152909-12

Date Collected: 05/01/19 00:00

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/10/19 04:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/10/19 04:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/10/19 04:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/10/19 04:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/10/19 04:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/10/19 04:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/10/19 04:27	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/10/19 04:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/10/19 04:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/10/19 04:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/10/19 04:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/10/19 04:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/10/19 04:27	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/10/19 04:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/10/19 04:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/10/19 04:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/10/19 04:27	1
2-Hexanone	ND		5.0	1.2	ug/L			05/10/19 04:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/10/19 04:27	1
Acetone	ND		10	3.0	ug/L			05/10/19 04:27	1
Benzene	ND		1.0	0.41	ug/L			05/10/19 04:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/10/19 04:27	1
Bromoform	ND		1.0	0.26	ug/L			05/10/19 04:27	1
Bromomethane	ND		1.0	0.69	ug/L			05/10/19 04:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/10/19 04:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/10/19 04:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/10/19 04:27	1
Chloroethane	ND		1.0	0.32	ug/L			05/10/19 04:27	1
Chloroform	ND		1.0	0.34	ug/L			05/10/19 04:27	1
Chloromethane	ND		1.0	0.35	ug/L			05/10/19 04:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/10/19 04:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/10/19 04:27	1
Cyclohexane	ND		1.0	0.18	ug/L			05/10/19 04:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/10/19 04:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/10/19 04:27	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152909-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-152909-12

Date Collected: 05/01/19 00:00

Matrix: Water

Date Received: 05/03/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			05/10/19 04:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/10/19 04:27	1
Methyl acetate	ND		2.5	1.3	ug/L			05/10/19 04:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/10/19 04:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/10/19 04:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/10/19 04:27	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/10/19 04:27	1
Styrene	ND		1.0	0.73	ug/L			05/10/19 04:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/10/19 04:27	1
Toluene	ND		1.0	0.51	ug/L			05/10/19 04:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/10/19 04:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/10/19 04:27	1
Trichloroethene	ND		1.0	0.46	ug/L			05/10/19 04:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/10/19 04:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/10/19 04:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/10/19 04:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		05/10/19 04:27	1
4-Bromofluorobenzene (Surr)	106		73 - 120		05/10/19 04:27	1
Dibromofluoromethane (Surr)	114		75 - 123		05/10/19 04:27	1
Toluene-d8 (Surr)	99		80 - 120		05/10/19 04:27	1

Client Information Client Contact: Jessica Steigenwald Company: ARCADIS U.S. Inc. Address: 855 Route 146 Suite 210 City: Clifton Park State, Zip: NY, 12065 Phone: AP086277.3000.3000S Email: Jessica.Steigenwald@arcadis.com Project #: GE Rotterdam, NY - GW 2019 Site:		Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com COC No: 480-129788-29282.1 Page: Page 1 of 3 Job #:		Analysis Requested  480-152979 Chain of Custody	
Due Date Requested: TAT Requested (days): PO #: WO #: Project #: SSOW#:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
Sample Identification Sample ID: GT-9R-050319 Sample ID: GT-16-050319 Sample ID: DUP-050319 Sample ID: GT-15-050319 Sample ID: GT-15-050319-MSD Sample ID: GT-15-050319-MS Sample ID: GT-7-050319 Sample ID: VAR-9-050319		Field Filtered Sample (Yes or No) 8260C - VOCs 8260C - VOCs Perform MS/MSD (Yes or No)			
Sample Date 5/3/19 5/3/19 5/3/19 5/3/19 5/3/19 5/3/19 5/3/19		Sample Time 1125 1330 1200 1200 1200 1345 815			
Sample Type (C=Comp, G=grab) G G G G G G G		Matrix (W=water, S=solid, O=soil, BT=tissue, A=air) Water Water Water Water Water Water Water			
Special Instructions/Note:		Total Number of containers			

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by: Kari G. Davis Date/Time: 5/3/19 1621 Company: ARCADIS

Relinquished by: Kari G. Davis Date/Time: 5/3/19 1800 Company: EUROFINS TA

Relinquished by: Kari G. Davis Date/Time: 5/3/19 1800 Company: EUROFINS TA

Custody Seal No.: 1.4 #1

Custody Seals Intact: ☒ Yes ☐ No

Ver: 01/16/2019

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: GT-9R-050319

Lab Sample ID: 480-152979-1

Date Collected: 05/03/19 11:25

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			05/14/19 23:53	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			05/14/19 23:53	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			05/14/19 23:53	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			05/14/19 23:53	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			05/14/19 23:53	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			05/14/19 23:53	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			05/14/19 23:53	4
1,2,4-Trimethylbenzene	8.3		4.0	3.0	ug/L			05/14/19 23:53	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			05/14/19 23:53	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			05/14/19 23:53	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			05/14/19 23:53	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			05/14/19 23:53	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			05/14/19 23:53	4
1,3,5-Trimethylbenzene	8.8		4.0	3.1	ug/L			05/14/19 23:53	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			05/14/19 23:53	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			05/14/19 23:53	4
2-Butanone (MEK)	ND		40	5.3	ug/L			05/14/19 23:53	4
2-Hexanone	ND		20	5.0	ug/L			05/14/19 23:53	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			05/14/19 23:53	4
Acetone	ND		40	12	ug/L			05/14/19 23:53	4
Benzene	ND		4.0	1.6	ug/L			05/14/19 23:53	4
Bromodichloromethane	ND		4.0	1.6	ug/L			05/14/19 23:53	4
Bromoform	ND		4.0	1.0	ug/L			05/14/19 23:53	4
Bromomethane	ND		4.0	2.8	ug/L			05/14/19 23:53	4
Carbon disulfide	ND		4.0	0.76	ug/L			05/14/19 23:53	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			05/14/19 23:53	4
Chlorobenzene	ND		4.0	3.0	ug/L			05/14/19 23:53	4
Chloroethane	ND		4.0	1.3	ug/L			05/14/19 23:53	4
Chloroform	ND		4.0	1.4	ug/L			05/14/19 23:53	4
Chloromethane	ND		4.0	1.4	ug/L			05/14/19 23:53	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			05/14/19 23:53	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			05/14/19 23:53	4
Cyclohexane	ND		4.0	0.72	ug/L			05/14/19 23:53	4
Dibromochloromethane	ND		4.0	1.3	ug/L			05/14/19 23:53	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			05/14/19 23:53	4
Ethylbenzene	ND		4.0	3.0	ug/L			05/14/19 23:53	4
Isopropylbenzene	ND		4.0	3.2	ug/L			05/14/19 23:53	4
Methyl acetate	ND		10	5.2	ug/L			05/14/19 23:53	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			05/14/19 23:53	4
Methylcyclohexane	ND		4.0	0.64	ug/L			05/14/19 23:53	4
Methylene Chloride	ND		4.0	1.8	ug/L			05/14/19 23:53	4
N-Propylbenzene	ND		4.0	2.8	ug/L			05/14/19 23:53	4
Styrene	ND		4.0	2.9	ug/L			05/14/19 23:53	4
Tetrachloroethene	ND		4.0	1.4	ug/L			05/14/19 23:53	4
Toluene	ND		4.0	2.0	ug/L			05/14/19 23:53	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			05/14/19 23:53	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			05/14/19 23:53	4
Trichloroethene	ND		4.0	1.8	ug/L			05/14/19 23:53	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			05/14/19 23:53	4

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: GT-9R-050319

Lab Sample ID: 480-152979-1

Date Collected: 05/03/19 11:25

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		4.0	3.6	ug/L			05/14/19 23:53	4
Xylenes, Total	8.8		8.0	2.6	ug/L			05/14/19 23:53	4

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120					05/14/19 23:53	4
4-Bromofluorobenzene (Surr)	107		73 - 120					05/14/19 23:53	4
Dibromofluoromethane (Surr)	115		75 - 123					05/14/19 23:53	4
Toluene-d8 (Surr)	99		80 - 120					05/14/19 23:53	4

Client Sample ID: GT-16-050319

Lab Sample ID: 480-152979-2

Date Collected: 05/03/19 13:50

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/15/19 00:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/19 00:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/19 00:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/19 00:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/15/19 00:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/15/19 00:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/19 00:18	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/15/19 00:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/19 00:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/19 00:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/19 00:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/19 00:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/19 00:18	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/15/19 00:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/19 00:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/19 00:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/19 00:18	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/19 00:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/19 00:18	1
Acetone	ND		10	3.0	ug/L			05/15/19 00:18	1
Benzene	ND		1.0	0.41	ug/L			05/15/19 00:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/15/19 00:18	1
Bromoform	ND		1.0	0.26	ug/L			05/15/19 00:18	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/19 00:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/19 00:18	1
Carbon tetrachloride	0.38	J	1.0	0.27	ug/L			05/15/19 00:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/15/19 00:18	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/19 00:18	1
Chloroform	2.9		1.0	0.34	ug/L			05/15/19 00:18	1
Chloromethane	ND		1.0	0.35	ug/L			05/15/19 00:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/15/19 00:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/19 00:18	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/19 00:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/15/19 00:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/19 00:18	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: GT-16-050319

Lab Sample ID: 480-152979-2

Date Collected: 05/03/19 13:50

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/19 00:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/15/19 00:18	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/19 00:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/19 00:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/19 00:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/19 00:18	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/15/19 00:18	1
Styrene	ND		1.0	0.73	ug/L			05/15/19 00:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/19 00:18	1
Toluene	ND		1.0	0.51	ug/L			05/15/19 00:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/15/19 00:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/19 00:18	1
Trichloroethene	3.9		1.0	0.46	ug/L			05/15/19 00:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/19 00:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/19 00:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/15/19 00:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		05/15/19 00:18	1
4-Bromofluorobenzene (Surr)	103		73 - 120		05/15/19 00:18	1
Dibromofluoromethane (Surr)	111		75 - 123		05/15/19 00:18	1
Toluene-d8 (Surr)	95		80 - 120		05/15/19 00:18	1

Client Sample ID: DUP-050319

Lab Sample ID: 480-152979-3

Date Collected: 05/03/19 00:00

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/15/19 00:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/19 00:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/19 00:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/19 00:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/15/19 00:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/15/19 00:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/19 00:42	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/15/19 00:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/19 00:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/19 00:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/19 00:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/19 00:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/19 00:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/15/19 00:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/19 00:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/19 00:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/19 00:42	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/19 00:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/19 00:42	1
Acetone	ND		10	3.0	ug/L			05/15/19 00:42	1
Benzene	ND		1.0	0.41	ug/L			05/15/19 00:42	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: DUP-050319

Lab Sample ID: 480-152979-3

Date Collected: 05/03/19 00:00

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			05/15/19 00:42	1
Bromoform	ND		1.0	0.26	ug/L			05/15/19 00:42	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/19 00:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/19 00:42	1
Carbon tetrachloride	0.59	J	1.0	0.27	ug/L			05/15/19 00:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/15/19 00:42	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/19 00:42	1
Chloroform	2.7		1.0	0.34	ug/L			05/15/19 00:42	1
Chloromethane	ND		1.0	0.35	ug/L			05/15/19 00:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/15/19 00:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/19 00:42	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/19 00:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/15/19 00:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/19 00:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/19 00:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/15/19 00:42	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/19 00:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/19 00:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/19 00:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/19 00:42	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/15/19 00:42	1
Styrene	ND		1.0	0.73	ug/L			05/15/19 00:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/19 00:42	1
Toluene	ND		1.0	0.51	ug/L			05/15/19 00:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/15/19 00:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/19 00:42	1
Trichloroethene	3.8		1.0	0.46	ug/L			05/15/19 00:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/19 00:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/19 00:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/15/19 00:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		05/15/19 00:42	1
4-Bromofluorobenzene (Surr)	103		73 - 120		05/15/19 00:42	1
Dibromofluoromethane (Surr)	110		75 - 123		05/15/19 00:42	1
Toluene-d8 (Surr)	97		80 - 120		05/15/19 00:42	1

Client Sample ID: GT-15-050319

Lab Sample ID: 480-152979-4

Date Collected: 05/03/19 12:00

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F4	1.0	0.82	ug/L			05/15/19 01:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/19 01:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/19 01:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/19 01:06	1
1,1-Dichloroethane	ND	F4	1.0	0.38	ug/L			05/15/19 01:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/15/19 01:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/19 01:06	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: GT-15-050319

Lab Sample ID: 480-152979-4

Date Collected: 05/03/19 12:00

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/15/19 01:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/19 01:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/19 01:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/19 01:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/19 01:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/19 01:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/15/19 01:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/19 01:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/19 01:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/19 01:06	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/19 01:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/19 01:06	1
Acetone	ND		10	3.0	ug/L			05/15/19 01:06	1
Benzene	ND		1.0	0.41	ug/L			05/15/19 01:06	1
Bromodichloromethane	ND	F4	1.0	0.39	ug/L			05/15/19 01:06	1
Bromoform	ND	F4	1.0	0.26	ug/L			05/15/19 01:06	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/19 01:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/19 01:06	1
Carbon tetrachloride	ND	F4	1.0	0.27	ug/L			05/15/19 01:06	1
Chlorobenzene	ND	F4	1.0	0.75	ug/L			05/15/19 01:06	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/19 01:06	1
Chloroform	ND		1.0	0.34	ug/L			05/15/19 01:06	1
Chloromethane	ND	F4	1.0	0.35	ug/L			05/15/19 01:06	1
cis-1,2-Dichloroethene	ND	F4	1.0	0.81	ug/L			05/15/19 01:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/19 01:06	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/19 01:06	1
Dibromochloromethane	ND	F4	1.0	0.32	ug/L			05/15/19 01:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/19 01:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/19 01:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/15/19 01:06	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/19 01:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/19 01:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/19 01:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/19 01:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/15/19 01:06	1
Styrene	ND	F4	1.0	0.73	ug/L			05/15/19 01:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/19 01:06	1
Toluene	ND		1.0	0.51	ug/L			05/15/19 01:06	1
trans-1,2-Dichloroethene	ND	F4	1.0	0.90	ug/L			05/15/19 01:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/19 01:06	1
Trichloroethene	3.4	F4 J	1.0	0.46	ug/L			05/15/19 01:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/19 01:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/19 01:06	1
Xylenes, Total	ND	F4	2.0	0.66	ug/L			05/15/19 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		05/15/19 01:06	1
4-Bromofluorobenzene (Surr)	100		73 - 120		05/15/19 01:06	1
Dibromofluoromethane (Surr)	108		75 - 123		05/15/19 01:06	1
Toluene-d8 (Surr)	97		80 - 120		05/15/19 01:06	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: GT-7-050319

Lab Sample ID: 480-152979-5

Date Collected: 05/03/19 13:45

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/15/19 01:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/19 01:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/19 01:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/19 01:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/15/19 01:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/15/19 01:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/19 01:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/15/19 01:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/19 01:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/19 01:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/19 01:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/19 01:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/19 01:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/15/19 01:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/19 01:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/19 01:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/19 01:29	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/19 01:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/19 01:29	1
Acetone	ND		10	3.0	ug/L			05/15/19 01:29	1
Benzene	ND		1.0	0.41	ug/L			05/15/19 01:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/15/19 01:29	1
Bromoform	ND		1.0	0.26	ug/L			05/15/19 01:29	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/19 01:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/19 01:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/15/19 01:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/15/19 01:29	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/19 01:29	1
Chloroform	0.46	J	1.0	0.34	ug/L			05/15/19 01:29	1
Chloromethane	ND		1.0	0.35	ug/L			05/15/19 01:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/15/19 01:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/19 01:29	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/19 01:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/15/19 01:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/19 01:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/19 01:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/15/19 01:29	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/19 01:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/19 01:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/19 01:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/19 01:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/15/19 01:29	1
Styrene	ND		1.0	0.73	ug/L			05/15/19 01:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/19 01:29	1
Toluene	ND		1.0	0.51	ug/L			05/15/19 01:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/15/19 01:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/19 01:29	1
Trichloroethene	ND		1.0	0.46	ug/L			05/15/19 01:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/19 01:29	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: GT-7-050319

Lab Sample ID: 480-152979-5

Date Collected: 05/03/19 13:45

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/19 01:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/15/19 01:29	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120					05/15/19 01:29	1
4-Bromofluorobenzene (Surr)	106		73 - 120					05/15/19 01:29	1
Dibromofluoromethane (Surr)	119		75 - 123					05/15/19 01:29	1
Toluene-d8 (Surr)	97		80 - 120					05/15/19 01:29	1

Client Sample ID: VRI-9-050319

Lab Sample ID: 480-152979-6

Date Collected: 05/03/19 08:15

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/15/19 11:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/19 11:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/19 11:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/19 11:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/15/19 11:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/15/19 11:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/19 11:45	1
1,2,4-Trimethylbenzene	18		1.0	0.75	ug/L			05/15/19 11:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/19 11:45	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/19 11:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/19 11:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/19 11:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/19 11:45	1
1,3,5-Trimethylbenzene	7.7		1.0	0.77	ug/L			05/15/19 11:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/19 11:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/19 11:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/19 11:45	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/19 11:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/19 11:45	1
Acetone	ND		10	3.0	ug/L			05/15/19 11:45	1
Benzene	ND		1.0	0.41	ug/L			05/15/19 11:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/15/19 11:45	1
Bromoform	ND		1.0	0.26	ug/L			05/15/19 11:45	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/19 11:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/19 11:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/15/19 11:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/15/19 11:45	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/19 11:45	1
Chloroform	ND		1.0	0.34	ug/L			05/15/19 11:45	1
Chloromethane	ND		1.0	0.35	ug/L			05/15/19 11:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/15/19 11:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/19 11:45	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/19 11:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/15/19 11:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/19 11:45	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: VRI-9-050319

Lab Sample ID: 480-152979-6

Date Collected: 05/03/19 08:15

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/19 11:45	1
Isopropylbenzene	1.0		1.0	0.79	ug/L			05/15/19 11:45	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/19 11:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/19 11:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/19 11:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/19 11:45	1
N-Propylbenzene	1.5		1.0	0.69	ug/L			05/15/19 11:45	1
Styrene	ND		1.0	0.73	ug/L			05/15/19 11:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/19 11:45	1
Toluene	ND		1.0	0.51	ug/L			05/15/19 11:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/15/19 11:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/19 11:45	1
Trichloroethene	ND		1.0	0.46	ug/L			05/15/19 11:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/19 11:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/19 11:45	1
Xylenes, Total	11		2.0	0.66	ug/L			05/15/19 11:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		05/15/19 11:45	1
4-Bromofluorobenzene (Surr)	107		73 - 120		05/15/19 11:45	1
Dibromofluoromethane (Surr)	108		75 - 123		05/15/19 11:45	1
Toluene-d8 (Surr)	97		80 - 120		05/15/19 11:45	1

Client Sample ID: Trip Blank

Lab Sample ID: 480-152979-7

Date Collected: 05/03/19 00:00

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/15/19 02:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/19 02:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/19 02:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/19 02:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/15/19 02:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/15/19 02:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/19 02:17	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/15/19 02:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/19 02:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/19 02:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/19 02:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/19 02:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/19 02:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/15/19 02:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/19 02:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/19 02:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/19 02:17	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/19 02:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/19 02:17	1
Acetone	ND		10	3.0	ug/L			05/15/19 02:17	1
Benzene	ND		1.0	0.41	ug/L			05/15/19 02:17	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GE Rotterdam, NY - GW 2019

Job ID: 480-152979-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-152979-7

Date Collected: 05/03/19 00:00

Matrix: Water

Date Received: 05/04/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			05/15/19 02:17	1
Bromoform	ND		1.0	0.26	ug/L			05/15/19 02:17	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/19 02:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/19 02:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/15/19 02:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/15/19 02:17	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/19 02:17	1
Chloroform	ND		1.0	0.34	ug/L			05/15/19 02:17	1
Chloromethane	ND		1.0	0.35	ug/L			05/15/19 02:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/15/19 02:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/19 02:17	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/19 02:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/15/19 02:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/19 02:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/19 02:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/15/19 02:17	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/19 02:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/19 02:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/19 02:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/19 02:17	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/15/19 02:17	1
Styrene	ND		1.0	0.73	ug/L			05/15/19 02:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/19 02:17	1
Toluene	ND		1.0	0.51	ug/L			05/15/19 02:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/15/19 02:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/19 02:17	1
Trichloroethene	ND		1.0	0.46	ug/L			05/15/19 02:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/19 02:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/19 02:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/15/19 02:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		05/15/19 02:17	1
4-Bromofluorobenzene (Surr)	101		73 - 120		05/15/19 02:17	1
Dibromofluoromethane (Surr)	114		75 - 123		05/15/19 02:17	1
Toluene-d8 (Surr)	95		80 - 120		05/15/19 02:17	1

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A decorative graphic consisting of three thin orange lines. One line is horizontal, extending across the width of the page. Two other lines are diagonal, intersecting the horizontal line and each other, creating a geometric pattern in the bottom right corner of the page.