CDM Smith
110 Fieldcrest Avenue
6th Floor
Edison, New Jersey 08837
tel: 732 225-7000

July 17, 2019

Mr. Parag Amin
Remedial Bureau C, Remedial Section B
Division on Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, NY 12233-7016

Subject: Offsite Monitoring Well Installation and Groundwater Sampling Report
Lubricant Packing Company Site
Work Assignment #D007621-23.2
17 & 79 Industrial Place
City of Middletown, Orange County New York
Site ID No. 3-36-034

Dear Mr. Amin:

Camp Dresser McKee & Smith (CDM Smith) is pleased to present this letter report that outlines the installation of two monitoring wells at 79 Industrial Place and the procedures and sampling approach followed while performing groundwater sampling of 14 wells at the Lubricant Packaging Company (LPC) Site. This project was a part of the New York State Department of Environmental Conservation (NYSDEC) Work Assignment #D007621-23. The scope of work was outlined in the February 27, 2019 letter detailing Task 10 for offsite monitoring well installation and Task 11 groundwater sampling and reporting. This work was conducted in general accordance with CDM Smith's Generic Quality Assurance Project Plan (QAPP) prepared under the NYSDEC Standby Contract for Engineering Services D007621.

1.0 Background

The LPC Site is a Class 2 Inactive Hazardous Waste Site. Historical poor house-keeping practices at this site resulted in spills and releases of 1,1,1-trichoroethane (1,1,1-TCA) and mineral spirits used during the former degreasing and lubrication activities.

Environmental investigations were conducted by others at the site between 1994 and 2002. CDM Smith conducted pre-design investigation activities at the LPC site in 2009. The analytical results from the 2009 groundwater investigation identified two volatile organic compound (VOC) plumes on-site, one plume from an on-site source and a second plume migrating onto the site from the upgradient General Switch Site (Site No. 336025). The on-site source plume is related to 1,1,1-TCA

and the degradation products (1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE) and chloroethane) within the overburden aquifer on-site. The highest concentrations of 1,1,1-TCA were detected in on-site overburden monitoring wells LMW-01, LMW-03, and LMW-04 located along the eastern perimeter of the site (**Figure 1**). These monitoring wells are located downgradient of hotspots detected in soil borings LSB-05, LSB-20, LSB-22, and LSB-24. Off-site monitoring wells located downgradient of the site (LMW-06 through LMW-10) only detected elevated VOCs at LMW-06. The lack of VOCs detections at the downgradient monitoring well locations indicate that the 1,1,1-TCA plume is not migrating a significant distance offsite.

The second plume migrating on-site consists of tetrachloroethene (PCE) and the degradation products (trichloroethene (TCE), trans/cis-1,2-DCE, and vinyl chloride). Upgradient off-site monitoring wells (MW-09, MW-209, MW-06, and MW-206) only detected PCE and its degradation products. PCE and the degradation products were detected in on-site monitoring wells LMW-02 and LMW-03.

The building at 79 Industrial Place is located to the south and downgradient of the LPC and General Switch plumes. Monitoring well LMW-06, located on the 79 Industrial Place property to the northwest of the building, had concentrations of the volatile organic compounds 1,1,1-TCA (68 ug/L), 1,1-DCA (38 ug/L) and 1,1-DCE (6.8 ug/L) above the NYSDEC Ambient Water Quality Standard (AWQS) of 5 ug/L.

Sometime between 2010 and 2015 monitoring wells LMW-06 and LMW-09 located on the 79 Industrial Place property were paved over. In addition, monitoring wells LMW-07 and LMW-10 are no longer present on the property since the extension of the railroad spur along the southeast side of the 79 Industrial Place property.

The last round of groundwater sampling at the site was performed in March 2018 at the conclusion of the *In Situ* enhanced bioremediation (ISEB) pilot study. The groundwater sampling results from that event identified the site contaminant of concern 1,1,1-TCA above the NYSDEC AWQS of 5 ug/L in LMW-01 (72 ug/L), LMW-03 (32 ug/L), and LMW-04 (21 ug/L). Daughter compound 1,1-DCE was identified above the AWQS of 5 ug/L in LMW-01 (5.5 ug/L), LMW-03 (17 ug/L), LMW-11 (5.1 ug/L), and LMW-12 (11 ug/L).

2.0 Overview

In April 2019 two monitoring wells (LMW-13 and LMW-14) were installed on the adjacent 79 industrial Place property to replace LMW-06 and LMW-10 as downgradient monitoring points for the LPC Site. Following their installation, a site-wide round of groundwater samples was collected to evaluate current groundwater quality at the site

3.0 Monitoring Well Installation

Prior to the installation of the wells, Advanced Geological Services performed a geophysical survey investigation in the areas of proposed monitoring well locations LMW-13 and LMW-14 on March 29, 2019. Well locations are shown on **Figure 1**. Field sketches from the geophysical investigation are included as **Attachment A**.

Between April 10 and April 11, 2019, North Star Drilling utilized a hollow stem auger drill rig to install two monitoring wells under the oversight of CDM Smith. North Star Drilling hand cleared the first five feet of each borehole prior to the completion of the boring with the hollow stem auger rig. LMW-13 was installed to a depth of 17 feet below ground surface (bgs) and is located to the north of the 79 Industrial Place building east of the former LMW-06 well location. LMW-14 was installed to a depth of 24 feet bgs and is located east of the 79 Industrial Place building directly south of the railroad spur.

All wells were constructed using two-inch diameter, poly vinyl chloride (PVC), pre-packed, 10-slot screen and Schedule 40, two-inch diameter PVC riser. A sand backfill was added around the wells to two-feet above the top of screen using No. 2 filter sand. A two-foot Bentonite seal was then added, and the wells were grouted with Portland cement to one foot below grade. A flush-mount aluminum road box with a concrete pad was installed for each of the two monitoring wells. All wells were developed using the surge and purge method by CDM Smith until water quality parameters stabilized. Monitoring well construction diagrams are included in **Attachment B**. The field log book is included as **Attachment C**.

Maser Consulting P.A., a New York licensed land surveyor (New York Certification of Authorization 0008671/0008821) performed a survey of the newly installed monitoring wells on April 29, 2019. A copy of the LMW-13 and LMW-14 well survey information is included as **Attachment D**.

Investigation derived waste was drummed during the drilling, well development, and well sampling activities. The drums are stored on the LPC property until they can be picked up by a licensed waste hauler.

4.0 Groundwater Sampling

On April 29 and April 30, 2019, CDM Smith performed groundwater sampling at 14 monitoring wells, 10 wells installed for the LPC site (LMW-01 through LMW-05, LMW-08, and LMW-11 through LMW-14, and four General Switch Site wells (MW-06, MW-09, MW-206, and MW-209). All wells were analyzed for VOCs via United States Environmental Protection Agency (USEPA) Method 8260C.

Wells were purged with peristaltic pumps and water quality parameters were recorded every five minutes until stable in accordance with USEPA low-flow sampling methodology. Low flow logs are

included in **Attachment E**. Water quality parameters including temperature, specific conductivity, pH, oxidation-reduction potential, dissolved oxygen, and turbidity were measured continuously by a Horiba U-22 meter. Groundwater samples were collected into properly preserved laboratory-provided glassware for VOC analysis by USEPA Method 8260C. Groundwater samples were kept on ice until analyzed by Test America.

5.0 Sample Results

A total of 14 groundwater samples in addition to one field duplicate (collected at LMW-03) and one matrix spike/matrix spike duplicate sample were collected during the April 2019 sampling event. Groundwater samples were collected via low-methodology as described in Section 4 at the 14 monitoring well locations (LMW-01 through LMW-05, LMW-08, LMW-11 through LMW-14, MW-06, MW-09, MW-206, and MW-209). Groundwater sampling results are presented in **Table 1** and shown on **Figure 2**. Eight of the 14 sampled monitoring wells contained exceedances above the NYSDEC AWQS for certain VOC compounds (1,1,1-TCA, 1,1-DCA, cis-1,2-DCE, PCE and TCE). A summary of exceedances is provided below:

- 1,1,1-TCA: detected above the AWQS of 5 µg/L in LMW-01-20190430 (49 µg/L), LMW-03-20190430 (50 µg/L and 45 µg/L in the duplicate sample, DUP-20190430), LMW-04-20190429 (10 µg/L) and LMW-13-20190429 (65 µg/L).
- 1,1-DCA: detected above the AWQS of 5 µg/L in LMW-01-20190430 (5.1 µg/L), LMW-03-20190430 (16 µg/L and 14 µg/L in the duplicate sample, DUP-20190430) and LMW-13-20190429 (5.9 µg/L).
- *Cis-1,2-DCE:* detected above the AWQS of 5 µg/L in MW-09-20190429 (290 µg/L), MW-206-20190429 (6 µg/L) and MW-209-20190429 (11 µg/L).
- *PCE:* detected above the AWQS of 5 µg/L in MW-06-20190429 (28 µg/L), MW-09-20190429 (320 µg/L), MW-206-20190429 (250 µg/L) and MW-209-20190429 (130 µg/L).
- *TCE:* detected above the AWQS of 5 µg/L in MW-09-20190429 (78 µg/L), MW-206-20190429 (7.1 µg/L) and MW-209-20190429 (24 µg/L).

Laboratory reports are included as **Attachment F**. The April 2019 groundwater exceedance results are shown on **Figure 2**. A summary of the groundwater sample results for the contaminants of concern from 2009 through 2019 are provided on **Table 2**.

6.0 Data Validation

Data validation was completed by Environmental Data Services, Inc. of Virginia Beach, Virginia. A copy of the Data Usability Summary Report (DUSR) is provided in **Attachment G**. The validation found the data to be useable.

7.0 Conclusions

The site contaminant of concern, 1,1,1-TCA, and its degradation product 1,1-DCA was identified above the NYSDEC AWQS in three of the 10 LPC wells sampled, LMW-01, LMW-03, and the newly installed LMW-13. In addition, 1,1,1-TCA was identified above the AWQS in LMW-04, but the 1,1-DCA concentration in this well was below the AWQS. 1,1,1-TCA was not detected at any other wells sampled. PCE, TCE, and cis-1,2-DCE were all detected above their respective AWQS at General Switch Site wells MW-09, MW-206, and MW-209. MW-06 also had an exceedance of PCE above the AWQS. General Switch contaminants of concern PCE and TCE were only detected at two of the LPC wells (LMW-03 and LMW-04) at concentrations below the AWQS.

Overall the contaminant plumes associated with both the LPC site and the General Switch Site still indicate the presence of VOCs above the NYSDEC AWQS. Concentrations of the site contaminants of concern have been decreasing over time, with concentrations at LMW-02, LMW-11 and LMW-12 decreasing to levels below AWQS since the ISEB pilot study.

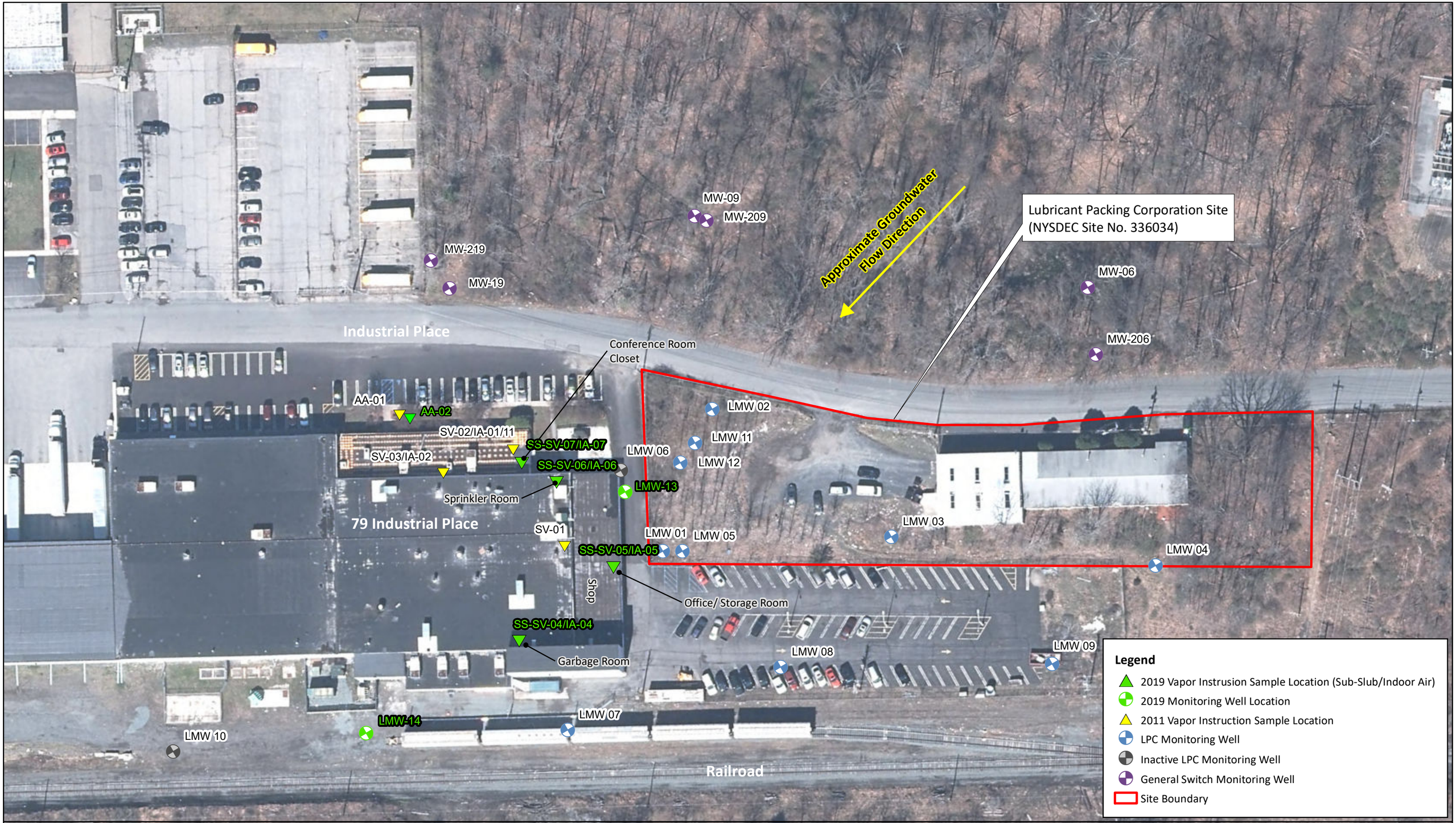
Please call me at 732-590-4609 if you have any questions or need any additional information while completing your review of this letter report.

Very truly yours,

Jessica R. Beattie, PMP, P.G., ENV SP
Senior Project Manager
CDM Smith

Attachments:

Figure 1 – Sample Location Map
Figure 2 – Groundwater Result Exceedances
Table 1 - Groundwater Sample Results
Table 2 – Groundwater Sample Results – Contaminants of Concern 2009-2019
Attachment A – Geophysical Survey Field Sketches
Attachment B – Monitoring Well Construction Diagrams
Attachment C – Field Log Book
Attachment D – New Monitoring Well Survey Information
Attachment E – Low Flow Logs
Attachment F – Laboratory Reports
Attachment G – Data Usability Summary Report



N

1 inch = 63 feet

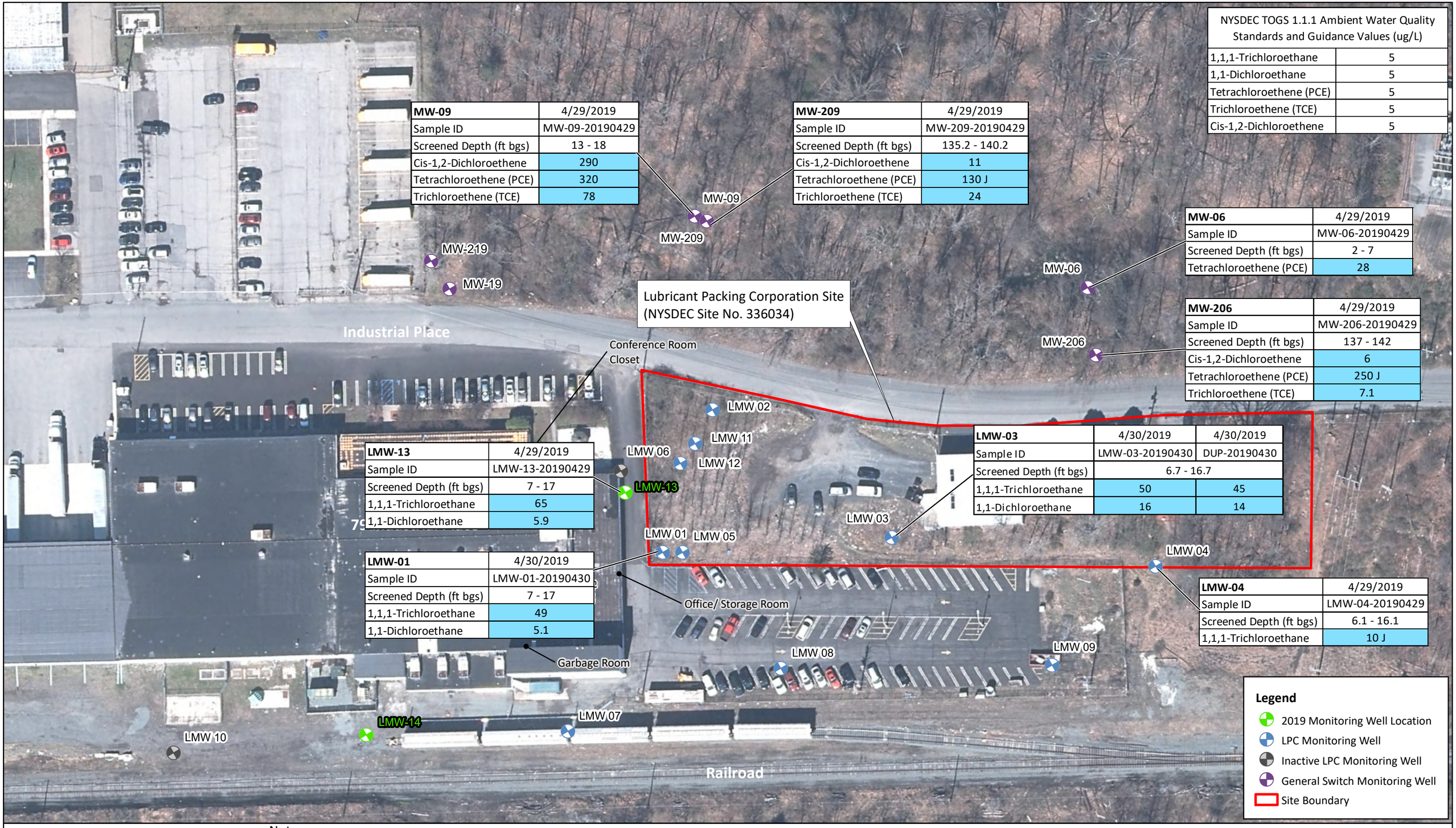
0 15 30 60 Feet

Sample Location Map

Figure 1
79 Industrial Place
Middletown, New York

CDM Smith

ESTRADAL C:\Users\estradal\Documents\PROJECTS\NYSDEC Projects\Lubricant Packaging\Fig1_Sample_Loc_Map.mxd 7/17/2019



NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values (ug/L)	
1,1,1-Trichloroethane	5
1,1-Dichloroethane	5
Tetrachloroethene (PCE)	5
Trichloroethene (TCE)	5
Cis-1,2-Dichloroethene	5

MW-09	4/29/2019
Sample ID	MW-09-20190429
Screened Depth (ft bgs)	13 - 18
Cis-1,2-Dichloroethene	290
Tetrachloroethene (PCE)	320
Trichloroethene (TCE)	78

MW-209	4/29/2019
Sample ID	MW-209-20190429
Screened Depth (ft bgs)	135.2 - 140.2
Cis-1,2-Dichloroethene	11
Tetrachloroethene (PCE)	130 J
Trichloroethene (TCE)	24

MW-06	4/29/2019
Sample ID	MW-06-20190429
Screened Depth (ft bgs)	2 - 7
Tetrachloroethene (PCE)	28

MW-206	4/29/2019
Sample ID	MW-206-20190429
Screened Depth (ft bgs)	137 - 142
Cis-1,2-Dichloroethene	6
Tetrachloroethene (PCE)	250 J
Trichloroethene (TCE)	7.1

LMW-13	4/29/2019
Sample ID	LMW-13-20190429
Screened Depth (ft bgs)	7 - 17
1,1,1-Trichloroethane	65
1,1-Dichloroethane	5.9

LMW-03	4/30/2019	4/30/2019
Sample ID	LMW-03-20190430	DUP-20190430
Screened Depth (ft bgs)	6.7 - 16.7	
1,1,1-Trichloroethane	50	45
1,1-Dichloroethane	16	14

LMW-01	4/30/2019
Sample ID	LMW-01-20190430
Screened Depth (ft bgs)	7 - 17
1,1,1-Trichloroethane	49
1,1-Dichloroethane	5.1

LMW-04	4/29/2019
Sample ID	LMW-04-20190429
Screened Depth (ft bgs)	6.1 - 16.1
1,1,1-Trichloroethane	10 J

1 inch = 63 feet

0 15 30 60 Feet

Notes:
1. Results with blue fill have exceeded NYSDEC Ambient Water Quality Standards and Guidance Values.
2. All results in micrograms per liter (ug/L)
3. ft bgs - feet below ground surface
4. J - estimated value

Groundwater Result Exceedances

Figure 2
79 Industrial Place
Middletown, New York

CDM Smith

Table 1
Groundwater Sample Results
79 Industrial Place, Middletown, NY
Lubricant Packaging Site
NYSDEC Site No. 336034

	Sample ID	LMW-01-20190430		LMW-02-20190430		LMW-03-20190430	
	Location ID	LMW-01		LMW-02		LMW-03	
	Sample Date	4/30/2019		4/30/2019		4/30/2019	
Parameter ID	**NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values (µg/l)**	**Concentration (µg/l)**	**Qualifier Flag**	**Concentration (µg/l)**	**Qualifier Flag**	**Concentration (µg/l)**	**Qualifier Flag**
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	5	**49**		16	U	**50**	
1,1,2,2-Tetrachloroethane	5	0.42	U	4.2	U	0.21	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	0.62	U	6.2	U	0.31	U
1,1,2-Trichloroethane	1	0.46	U	4.6	U	0.23	U
1,1-Dichloroethane	5	**5.1**		7.6	U	**16**	
1,1-Dichloroethene	5	**1**	J	5.8	U	**1**	
1,2,4-Trichlorobenzene	5	0.82	U	8.2	U	0.41	U
1,2-Dibromo-3-Chloropropane	0.04	0.78	U	7.8	U	0.39	U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	1.5	U	15	U	0.73	U
1,2-Dichlorobenzene	3	1.6	U	16	U	0.79	U
1,2-Dichloroethane	0.6	0.42	U	4.2	U	0.21	U
1,2-Dichloropropane	1	1.4	U	14	U	0.72	U
1,3-Dichlorobenzene	3	1.6	U	16	U	0.78	U
1,4-Dichlorobenzene	3	1.7	U	17	U	0.84	U
2-Hexanone	50	2.5	U	25	U	1.2	U
Acetone	50	6.0	U	60	U	3.0	U
Benzene	1	0.82	U	8.2	U	0.41	U
Bromodichloromethane	50	0.78	U	7.8	U	0.39	U
Bromoform	50	0.52	U	5.2	U	0.26	U
Bromomethane	5	1.4	U	14	U	0.69	U
Carbon Disulfide	NS	0.38	U	3.8	U	0.19	U
Carbon Tetrachloride	5	0.54	U	5.4	U	0.27	U
Chlorobenzene	5	1.5	U	15	U	0.75	U
Chloroethane	5	0.64	U	6.4	U	0.32	U
Chloroform	7	0.68	U	6.8	U	0.34	U
Chloromethane	5	0.70	U	7.0	U	0.35	U
Cis-1,2-Dichloroethylene	5	1.6	U	16	U	0.81	U
Cis-1,3-Dichloropropene	0.4	0.72	U	7.2	U	0.36	U
Cyclohexane	NS	0.36	U	3.6	U	0.18	U
Dibromochloromethane	50	0.64	U	6.4	U	0.32	U
Dichlorodifluoromethane	5	1.4	U	14	U	0.68	U
Ethylbenzene	5	1.5	U	15	U	0.74	U
Isopropylbenzene (Cumene)	5	1.6	U	16	U	0.79	U
Methyl Acetate	NS	2.6	U	26	U	1.3	U
Methyl Ethyl Ketone (2-Butanone)	50	2.6	U	26	U	1.3	U
Methyl Isobutyl Ketone	NS	4.2	U	42	U	2.1	U
Methylcyclohexane	NS	0.32	U	3.2	U	0.16	U
Methylene Chloride	5	0.88	U	8.8	U	0.44	U
Styrene	5	1.5	U	15	U	0.73	U
Tert-Butyl Methyl Ether	NS	0.32	U	3.2	U	0.16	U
Tetrachloroethylene (PCE)	5	0.72	U	7.2	U	**1**	
Toluene	5	1.0	U	10	U	0.51	U
Trans-1,2-Dichloroethene	5.00	1.8	U	18	U	0.90	U
Trans-1,3-Dichloropropene	0.4	0.74	U	7.4	U	0.37	U
Trichloroethylene (TCE)	5	0.92	U	9.2	U	**2.9**	
Trichlorofluoromethane	5	1.8	U	18	U	0.88	U
Vinyl Chloride	2	1.8	U	18	U	0.90	U
Xylenes, Total	5	1.3	U	13	U	0.66	U

Key:
J - detected above the method detection limit, but below the reporting limit; value is estimated
U - analyte not detected at or above the method detection limit
NS - no standard exists
ID - identification
NYSDEC - New York State Department of Environmental Conservation
TOGS - technical and operational guidance series
µg/l - microgram per liter

Notes:
1. All values shown in µg/l.
2. Results shaded in light blue fill have exceeded NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA groundwater.
3. Results that are bolded indicate a dectection.

Table 1
Groundwater Sample Results
79 Industrial Place, Middletown, NY
Lubricant Packaging Site
NYSDEC Site No. 336034

	Sample ID	DUP-20190430		LMW-04-20190429		LMW-05-20190430	
	Location ID	LMW-03		LMW-04		LMW-05	
	Sample Date	4/30/2019		4/29/2019		4/30/2019	
Parameter ID	NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values (µg/l)	Concentration (µg/l)	Qualifier Flag	Concentration (µg/l)	Qualifier Flag	Concentration (µg/l)	Qualifier Flag
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	5	**45**		**10**	J	0.82	U
1,1,2,2-Tetrachloroethane	5	0.21	U	0.21	U	0.21	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	0.31	U	0.31	U	0.31	U
1,1,2-Trichloroethane	1	0.23	U	0.23	U	0.23	U
1,1-Dichloroethane	5	**14**		**0.39**	J	0.38	U
1,1-Dichloroethene	5	**1.6**		**0.49**	J	0.29	U
1,2,4-Trichlorobenzene	5	0.41	U	0.41	U	0.41	U
1,2-Dibromo-3-Chloropropane	0.04	0.39	U	0.39	U	0.39	U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	0.73	U	0.73	U	0.73	U
1,2-Dichlorobenzene	3	0.79	U	0.79	U	0.79	U
1,2-Dichloroethane	0.6	0.21	U	0.21	U	0.21	U
1,2-Dichloropropane	1	0.72	U	0.72	U	0.72	U
1,3-Dichlorobenzene	3	0.78	U	0.78	U	0.78	U
1,4-Dichlorobenzene	3	0.84	U	0.84	U	0.84	U
2-Hexanone	50	1.2	U	1.2	U	1.2	U
Acetone	50	3.0	U	3.0	U	3.0	U
Benzene	1	0.41	U	0.41	U	0.41	U
Bromodichloromethane	50	0.39	U	0.39	U	0.39	U
Bromoform	50	0.26	U	0.26	UJ	0.26	U
Bromomethane	5	0.69	U	0.69	U	0.69	U
Carbon Disulfide	NS	0.19	U	0.19	U	0.19	U
Carbon Tetrachloride	5	0.27	U	0.27	U	0.27	U
Chlorobenzene	5	0.75	U	0.75	U	0.75	U
Chloroethane	5	0.32	U	0.32	U	0.32	U
Chloroform	7	0.34	U	0.34	U	0.34	U
Chloromethane	5	0.35	U	0.35	U	0.35	U
Cis-1,2-Dichloroethylene	5	0.81	U	0.81	U	0.81	U
Cis-1,3-Dichloropropene	0.4	0.36	U	0.36	U	0.36	U
Cyclohexane	NS	0.18	U	0.18	U	0.18	U
Dibromochloromethane	50	0.32	U	0.32	UJ	0.32	U
Dichlorodifluoromethane	5	0.68	U	0.68	U	0.68	U
Ethylbenzene	5	0.74	U	0.74	U	0.74	U
Isopropylbenzene (Cumene)	5	0.79	U	0.79	U	0.79	U
Methyl Acetate	NS	1.3	U	1.3	U	1.3	U
Methyl Ethyl Ketone (2-Butanone)	50	1.3	U	1.3	U	1.3	U
Methyl Isobutyl Ketone	NS	2.1	U	2.1	U	2.1	U
Methylcyclohexane	NS	0.16	U	0.16	U	0.16	U
Methylene Chloride	5	0.44	U	**0.45**	J	0.44	U
Styrene	5	0.73	U	0.73	U	0.73	U
Tert-Butyl Methyl Ether	NS	0.16	U	0.16	U	0.16	U
Tetrachloroethylene (PCE)	5	**0.82**	J	**3.2**	J	0.36	U
Toluene	5	0.51	U	0.51	U	0.51	U
Trans-1,2-Dichloroethene	5.00	0.90	U	0.90	U	0.90	U
Trans-1,3-Dichloropropene	0.4	0.37	U	0.37	U	0.37	U
Trichloroethylene (TCE)	5	**2.7**		0.46	U	0.46	U
Trichlorofluoromethane	5	0.88	U	0.88	U	0.88	U
Vinyl Chloride	2	0.90	U	0.90	U	0.90	U
Xylenes, Total	5	0.66	U	0.66	U	0.66	U

Key:
J - detected above the method detection limit, but below the reporting l
U - analyte not detected at or above the method detection limit
NS - no standard exists
ID - identification
NYSDEC - New York State Department of Environmental Conservation
TOGS - technical and operational guidance series
µg/l - microgram per liter

Notes:
1. All values shown in µg/l.
2. Results shaded in light blue fill have exceeded NYSDEC TOGS 1.1.1 Ar
and Guidance Values for Class GA groundwater.
3. Results that are bolded indicate a dectection.

Table 1
Groundwater Sample Results
79 Industrial Place, Middletown, NY
Lubricant Packaging Site
NYSDEC Site No. 336034

	Sample ID	LMW-08-20190429		LMW-11-20190430		LMW-12-20190430	
	Location ID	LMW-08		LMW-11		LMW-12	
	Sample Date	4/29/2019		4/30/2019		4/30/2019	
Parameter ID	**NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values (µg/l)**	**Concentration (µg/l)**	**Qualifier Flag**	**Concentration (µg/l)**	**Qualifier Flag**	**Concentration (µg/l)**	**Qualifier Flag**
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	5	0.82	U	1.6	U	1.6	U
1,1,2,2-Tetrachloroethane	5	0.21	U	0.42	U	0.42	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	0.31	U	0.62	U	0.62	U
1,1,2-Trichloroethane	1	0.23	U	0.46	U	0.46	U
1,1-Dichloroethane	5	**1.1**		**2.8**		**3**	
1,1-Dichloroethene	5	0.29	U	0.58	U	0.58	U
1,2,4-Trichlorobenzene	5	0.41	U	0.82	U	0.82	U
1,2-Dibromo-3-Chloropropane	0.04	0.39	U	0.78	U	0.78	U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	0.73	U	1.5	U	1.5	U
1,2-Dichlorobenzene	3	0.79	U	1.6	U	1.6	U
1,2-Dichloroethane	0.6	0.21	U	0.42	U	0.42	U
1,2-Dichloropropane	1	0.72	U	1.4	U	1.4	U
1,3-Dichlorobenzene	3	0.78	U	1.6	U	1.6	U
1,4-Dichlorobenzene	3	0.84	U	1.7	U	1.7	U
2-Hexanone	50	1.2	U	2.5	U	2.5	U
Acetone	50	3.0	U	6.0	U	6.0	U
Benzene	1	0.41	U	0.82	U	0.82	U
Bromodichloromethane	50	0.39	U	0.78	U	0.78	U
Bromoform	50	0.26	UJ	0.52	U	0.52	U
Bromomethane	5	0.69	U	1.4	U	1.4	U
Carbon Disulfide	NS	0.19	U	0.38	U	0.38	U
Carbon Tetrachloride	5	0.27	U	0.54	U	0.54	U
Chlorobenzene	5	0.75	U	1.5	U	1.5	U
Chloroethane	5	0.32	U	**3.4**		0.64	U
Chloroform	7	0.34	U	0.68	U	0.68	U
Chloromethane	5	0.35	U	0.70	U	0.70	U
Cis-1,2-Dichloroethylene	5	0.81	U	1.6	U	1.6	U
Cis-1,3-Dichloropropene	0.4	0.36	U	0.72	U	0.72	U
Cyclohexane	NS	0.18	U	0.36	U	0.36	U
Dibromochloromethane	50	0.32	UJ	0.64	U	0.64	U
Dichlorodifluoromethane	5	0.68	U	1.4	U	1.4	U
Ethylbenzene	5	0.74	U	1.5	U	1.5	U
Isopropylbenzene (Cumene)	5	0.79	U	1.6	U	1.6	U
Methyl Acetate	NS	1.3	U	2.6	U	2.6	U
Methyl Ethyl Ketone (2-Butanone)	50	1.3	U	2.6	U	2.6	U
Methyl Isobutyl Ketone	NS	2.1	U	4.2	U	4.2	U
Methylcyclohexane	NS	0.16	U	0.32	U	0.32	U
Methylene Chloride	5	**0.44**	J	0.88	U	0.88	U
Styrene	5	0.73	U	1.5	U	1.5	U
Tert-Butyl Methyl Ether	NS	0.16	U	0.32	U	0.32	U
Tetrachloroethylene (PCE)	5	0.36	UJ	0.72	U	0.72	U
Toluene	5	0.51	U	1.0	U	1.0	U
Trans-1,2-Dichloroethene	5.00	0.90	U	1.8	U	1.8	U
Trans-1,3-Dichloropropene	0.4	0.37	U	0.74	U	0.74	U
Trichloroethylene (TCE)	5	0.46	U	0.92	U	0.92	U
Trichlorofluoromethane	5	0.88	U	1.8	U	1.8	U
Vinyl Chloride	2	0.90	U	1.8	U	1.8	U
Xylenes, Total	5	0.66	U	1.3	U	1.3	U

Key:
J - detected above the method detection limit, but below the reporting l
U - analyte not detected at or above the method detection limit
NS - no standard exists
ID - identification
NYSDEC - New York State Department of Environmental Conservation
TOGS - technical and operational guidance series
µg/l - microgram per liter

Notes:
1. All values shown in µg/l.
2. Results shaded in light blue fill have exceeded NYSDEC TOGS 1.1.1 Ar
and Guidance Values for Class GA groundwater.
3. Results that are bolded indicate a dectection.

Table 1
Groundwater Sample Results
79 Industrial Place, Middletown, NY
Lubricant Packaging Site
NYSDEC Site No. 336034

	Sample ID	LMW-13-20190429		LMW-14-20190429		MW-06-20190429	
	Location ID	LMW-13		LMW-14		MW-06	
	Sample Date	4/29/2019		4/29/2019		4/29/2019	
Parameter ID	NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values (µg/l)	Concentration (µg/l)	Qualifier Flag	Concentration (µg/l)	Qualifier Flag	Concentration (µg/l)	Qualifier Flag
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	5	65		0.82	U	0.82	U
1,1,2,2-Tetrachloroethane	5	0.21	U	0.21	U	0.21	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	0.31	U	0.31	U	0.31	U
1,1,2-Trichloroethane	1	0.23	U	0.23	U	0.23	U
1,1-Dichloroethane	5	5.9		0.38	U	0.38	U
1,1-Dichloroethene	5	0.29	U	0.29	U	0.29	U
1,2,4-Trichlorobenzene	5	0.41	U	0.41	U	0.41	U
1,2-Dibromo-3-Chloropropane	0.04	0.39	U	0.39	U	0.39	U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	0.73	U	0.73	U	0.73	U
1,2-Dichlorobenzene	3	0.79	U	0.79	U	0.79	U
1,2-Dichloroethane	0.6	0.21	U	0.21	U	0.21	U
1,2-Dichloropropane	1	0.72	U	0.72	U	0.72	U
1,3-Dichlorobenzene	3	0.78	U	0.78	U	0.78	U
1,4-Dichlorobenzene	3	0.84	U	0.84	U	0.84	U
2-Hexanone	50	1.2	U	1.2	U	1.2	U
Acetone	50	3.0	U	3.0	U	3.0	U
Benzene	1	0.41	U	0.41	U	0.41	U
Bromodichloromethane	50	0.39	U	0.39	U	0.39	U
Bromoform	50	0.26	UJ	0.26	UJ	0.26	U
Bromomethane	5	0.69	U	0.69	U	0.69	U
Carbon Disulfide	NS	0.19	U	0.19	U	0.19	U
Carbon Tetrachloride	5	0.27	U	0.27	U	0.27	U
Chlorobenzene	5	0.75	U	0.75	U	0.75	U
Chloroethane	5	0.32	U	0.32	U	0.32	U
Chloroform	7	0.34	U	0.34	U	0.34	U
Chloromethane	5	0.35	U	0.35	U	0.35	U
Cis-1,2-Dichloroethylene	5	0.81	U	0.81	U	**3.1**	U
Cis-1,3-Dichloropropene	0.4	0.36	U	0.36	U	0.36	U
Cyclohexane	NS	0.18	U	0.18	U	0.18	U
Dibromochloromethane	50	0.32	UJ	0.32	UJ	0.32	U
Dichlorodifluoromethane	5	0.68	U	0.68	U	0.68	U
Ethylbenzene	5	0.74	U	0.74	U	0.74	U
Isopropylbenzene (Cumene)	5	0.79	U	0.79	U	0.79	U
Methyl Acetate	NS	1.3	U	1.3	U	1.3	U
Methyl Ethyl Ketone (2-Butanone)	50	1.3	U	1.3	U	1.3	U
Methyl Isobutyl Ketone	NS	2.1	U	2.1	U	2.1	U
Methylcyclohexane	NS	0.16	U	0.16	U	0.16	U
Methylene Chloride	5	0.44	U	0.44	U	**0.45**	U
Styrene	5	0.73	U	0.73	U	0.73	U
Tert-Butyl Methyl Ether	NS	0.16	U	0.16	U	0.16	U
Tetrachloroethylene (PCE)	5	0.36	UJ	0.36	UJ	28	U
Toluene	5	0.51	U	0.51	U	0.51	U
Trans-1,2-Dichloroethene	5.00	0.90	U	0.90	U	0.90	U
Trans-1,3-Dichloropropene	0.4	0.37	U	0.37	U	0.37	U
Trichloroethylene (TCE)	5	0.46	U	0.46	U	**4.2**	U
Trichlorofluoromethane	5	0.88	U	0.88	U	0.88	U
Vinyl Chloride	2	0.90	U	0.90	U	0.90	U
Xylenes, Total	5	0.66	U	0.66	U	0.66	U

Key:
J - detected above the method detection limit, but below the reporting l
U - analyte not detected at or above the method detection limit
NS - no standard exists
ID - identification
NYSDEC - New York State Department of Environmental Conservation
TOGS - technical and operational guidance series
µg/l - microgram per liter

Notes:
1. All values shown in µg/l.
2. Results shaded in light blue fill have exceeded NYSDEC TOGS 1.1.1 Ar
and Guidance Values for Class GA groundwater.
3. Results that are bolded indicate a dectection.

Table 1
Groundwater Sample Results
79 Industrial Place, Middletown, NY
Lubricant Packaging Site
NYSDEC Site No. 336034

	Sample ID	MW-09-20190429		MW-206-20190429		MW-209-20190429	
	Location ID	MW-09		MW-206		MW-209	
	Sample Date	4/29/2019		4/29/2019		4/29/2019	
Parameter ID	**NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values (µg/l)**	**Concentration (µg/l)**	**Qualifier Flag**	**Concentration (µg/l)**	**Qualifier Flag**	**Concentration (µg/l)**	**Qualifier Flag**
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	5	6.6	U	3.3	U	3.3	U
1,1,2,2-Tetrachloroethane	5	1.7	U	0.84	U	0.84	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	2.5	U	1.2	U	1.2	U
1,1,2-Trichloroethane	1	1.8	U	0.92	U	0.92	U
1,1-Dichloroethane	5	3.0	U	1.5	U	1.5	U
1,1-Dichloroethene	5	2.3	U	1.2	U	1.2	U
1,2,4-Trichlorobenzene	5	3.3	U	1.6	U	1.6	U
1,2-Dibromo-3-Chloropropane	0.04	3.1	U	1.6	U	1.6	U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	5.8	U	2.9	U	2.9	U
1,2-Dichlorobenzene	3	6.3	U	3.2	U	3.2	U
1,2-Dichloroethane	0.6	1.7	U	0.84	U	0.84	U
1,2-Dichloropropane	1	5.8	U	2.9	U	2.9	U
1,3-Dichlorobenzene	3	6.2	U	3.1	U	3.1	U
1,4-Dichlorobenzene	3	6.7	U	3.4	U	3.4	U
2-Hexanone	50	9.9	U	5.0	U	5.0	U
Acetone	50	24	U	12	U	12	U
Benzene	1	3.3	U	1.6	U	1.6	U
Bromodichloromethane	50	3.1	U	1.6	U	1.6	U
Bromoform	50	2.1	U	1.0	UJ	1.0	UJ
Bromomethane	5	5.5	U	2.8	U	2.8	U
Carbon Disulfide	NS	1.5	U	0.76	U	0.76	U
Carbon Tetrachloride	5	2.2	U	1.1	U	1.1	U
Chlorobenzene	5	6.0	U	3.0	U	3.0	U
Chloroethane	5	2.6	U	1.3	U	1.3	U
Chloroform	7	2.7	U	1.4	U	1.4	U
Chloromethane	5	2.8	U	1.4	U	1.4	U
Cis-1,2-Dichloroethylene	5	**290**		**6**		**11**	
Cis-1,3-Dichloropropene	0.4	2.9	U	1.4	U	1.4	U
Cyclohexane	NS	1.4	U	0.72	U	0.72	U
Dibromochloromethane	50	2.6	U	1.3	UJ	1.3	UJ
Dichlorodifluoromethane	5	5.4	U	2.7	U	2.7	U
Ethylbenzene	5	5.9	U	3.0	U	3.0	U
Isopropylbenzene (Cumene)	5	6.3	U	3.2	U	3.2	U
Methyl Acetate	NS	10	U	5.2	U	5.2	U
Methyl Ethyl Ketone (2-Butanone)	50	11	U	5.3	U	5.3	U
Methyl Isobutyl Ketone	NS	17	U	8.4	U	8.4	U
Methylcyclohexane	NS	1.3	U	0.64	U	0.64	U
Methylene Chloride	5	3.5	U	**3.7**	J	**4**	
Styrene	5	5.8	U	2.9	U	2.9	U
Tert-Butyl Methyl Ether	NS	1.3	U	0.64	U	0.64	U
Tetrachloroethylene (PCE)	5	**320**		**250**	J	**130**	J
Toluene	5	4.1	U	2.0	U	2.0	U
Trans-1,2-Dichloroethene	5.00	7.2	U	3.6	U	3.6	U
Trans-1,3-Dichloropropene	0.4	3.0	U	1.5	U	1.5	U
Trichloroethylene (TCE)	5	**78**		**7.1**		**24**	
Trichlorofluoromethane	5	7.0	U	3.5	U	3.5	U
Vinyl Chloride	2	7.2	U	3.6	U	3.6	U
Xylenes, Total	5	5.3	U	2.6	U	2.6	U

Key:
J - detected above the method detection limit, but below the reporting l
U - analyte not detected at or above the method detection limit
NS - no standard exists
ID - identification
NYSDEC - New York State Department of Environmental Conservation
TOGS - technical and operational guidance series
µg/l - microgram per liter

Notes:
1. All values shown in µg/l.
2. Results shaded in light blue fill have exceeded NYSDEC TOGS 1.1.1 Ar
and Guidance Values for Class GA groundwater.
3. Results that are bolded indicate a dectection.

Table 2
Groundwater Sample Results - Contaminants of Concern 2009 - 2019
79 Industrial Place, Middletown, NY
Lubricant Packaging Site
NYSDEC Site No. 336034

Location ID	Screened Interval (ft bgs)	Sample Date	Chlorinated Ethanes		
			1,1,1-TCA (µg/l)	1,1-DCA (µg/l)	Chloroethane (µg/l)
NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values (µg/l)			5	5	5
LUBRICANT PACKAGING COMPANY SITE WELLS					
LMW-01	7-17	11/9/2009	**160**	**26**	<5
		9/26/2017	**100**	**13**	<2
		3/19/2018	**72**	**5.5**	<2
		4/30/2019	**49**	**5.1**	<0.64
LMW-02	5-15	11/9/2009	**23**	**35**	3
		9/26/2017	< 10	**12**	< 10
		1/4/2018	< 20	**17 J**	< 20
		3/19/2018	< 20	< 20	< 20
		4/30/2019	<16	<7.6	<6.4
LMW-03	6.7-16.7	11/9/2009	**130**	**67**	**7.4**
		9/26/2017	**200**	**59**	**49**
		3/20/2018	**32**	**17**	0.35J
		4/30/2019	**50**	**16**	<0.32
LMW-04	6.1-16.1	11/9/2009	**140**	**17**	**9.8**
		9/26/2017	3.5	<1	<1
		3/20/2018	**21**	1.5	<1
		4/29/2019	**10 J**	0.39	<0.32
LMW-05	35-45	11/9/2009	<5	<5	<5
		9/26/2017	<1	<1	<1
		3/19/2018	<1	<1	<1
		4/30/2019	<0.82	<0.38	<0.32
LMW-06	9-19	3/2/2010	**68**	**38**	**10**
LMW-07	15-25	3/1/2010	<1	<1	<1
LMW-08	9-14	3/2/2010	<1	4.4	<1
		9/26/2017	<1	2.2	<1
		3/20/2018	<1	1.4	<1
		4/29/2019	<0.82	1.1	<0.32
LMW-09	9.5-14.5	3/2/2010	<1	1.7	<1
LMW-10	14-24	3/1/2010	<1	<1	<1
LMW-11	5-10	12/12/2017	**13**	**8.5**	< 2
		1/10/2018	**6.3**	**15**	< 2
		3/19/2018	< 2	**5.1**	< 2
		4/30/2019	<1.6	2.8	3.4
LMW-12	5-10	12/12/2017	2.2	**17**	1.9
		1/10/2018	2.2	**17**	1 J
		3/19/2018	< 1	**11**	2.1
		4/30/2019	<1.6	3.0	<0.64
LMW-13	7-17	4/29/2019	**65**	**5.9**	<0.32
LMW-14	14-24	4/29/2019	<0.82	<0.38	<0.32
GENERAL SWITCH WELLS					
MW-06	2-7	11/10/2009	<5	<5	<5
		9/26/2017	<1	<1	<1
		4/29/2019	<0.82	<0.38	<0.32
MW-09	13-18	11/10/2009	<5	<5	<5
		9/26/2017	<20	<20	<20
		3/19/2018	<20	<20	<20
		4/29/2019	<6.6	<3.0	<2.6
MW-206	137-142	11/10/2009	<5	<5	<5
		9/26/2017	<4	<4	<4
		3/20/2018	<4	<4	<4
		4/29/2019	<3.3	<1.5	<1.3
MW-209	135.2-140.2	11/10/2009	<5	<5	<5
		3/19/2018	<1	<1	<1
		4/29/2019	<3.3	<1.5	<1.3

Key:

"-" - No data (or no regulatory limit)
< - less than
µg/l - microgram per liter
bgs - below ground surface
DCA - dichloroethane
DCE - dichloroethene
ft - feet
ID - identification
ND - not detected above the method detection limit
NYSDEC - New York State Department of Environmental Conservation
J - estimated value
MW - existing monitoring well
PCE - tetrachloroethene
TCE - trichloroethene
TOGS - technical and operational guidance series
VC - vinyl chloride

Notes:

1. 9/26/17 and 12/12/17 - Baseline/pre-ISEB groundwater sampling event

Table 2
Groundwater Sample Results - Contaminants of Concern 2009 - 2019
79 Industrial Place, Middletown, NY
Lubricant Packaging Site
NYSDEC Site No. 336034

Location ID	Screened Interval (ft bgs)	Sample Date	Other VOCs and Breakdown Products					
			PCE (µg/l)	TCE (µg/l)	cis-1,2-DCE (µg/l)	trans-1,2-DCE (µg/l)	1,1-DCE (µg/l)	VC (µg/l)
NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values (µg/l)			5	5	5	5	5	2
LUBRICANT PACKAGING COMPANY SITE WELLS								
LMW-01	7-17	11/9/2009	1 J	1.1 J	<5	<5	**5.7**	<5
		9/26/2017	<2	<2	<2	<2	0.7 J	<2
		3/19/2018	<2	<2	<2	<2	<2	<2
		4/30/2019	<0.72	<0.92	<1.6	<1.8	1 J	<1.8
LMW-02	5-15	11/9/2009	**39**	**59**	**190**	3.2	3.8	**45**
		9/26/2017	< 10	**24**	**310**	< 10	**5.4 J**	**180**
		1/4/2018	**840 J**	**410 J**	**61**	< 20	< 20	< 20
		3/19/2018	**60**	**31**	**39**	< 20	< 20	< 20
		4/30/2019	<7.2	<9.2	<1.6	<18	<0.58	<18
LMW-03	6.7-16.7	11/9/2009	1.5	**5.8**	2.2	<5	**6.4**	<5
		9/26/2017	2.5 J	**22**	**6.1**	<4	**26**	<4
		3/20/2018	1.1	3.1	<1	<1	<1	<1
		4/30/2019	1.0	2.9	<0.81	<0.90	1	<0.90
LMW-04	6.1-16.1	11/9/2009	3.9	1.2	2.0	<5	**17**	<5
		9/26/2017	3.7	<1	<1	<1	0.57 J	<1
		3/20/2018	4.4	<1	<1	<1	2.8	<1
		4/29/2019	3.2	<0.46	<0.81	<0.90	0.49 J	<0.90
LMW-05	35-45	11/9/2009	<5	<5	<5	<5	<5	<5
		9/26/2017	<1	<1	<1	<1	<1	<1
		3/19/2018	<1	<1	<1	<1	<1	<1
		4/30/2019	<0.36	<0.46	<0.81	<0.90	<0.29	<0.90
LMW-06	9-19	3/2/2010	1.0	3.1	4.2	<1	**6.2**	1.3
LMW-07	15-25	3/1/2010	<1	<1	<1	<1	<1	<1
LMW-08	9-14	3/2/2010	<1	<1	<1	<1	<1	<1
		9/26/2017	<1	<1	<1	<1	<1	<1
		3/20/2018	<1	<1	<1	<1	<1	<1
		4/29/2019	<0.36	<0.46	<0.81	<0.90	<0.29	<0.90
LMW-09	9.5-14.5	3/2/2010	<1	<1	<1	<1	<1	<1
LMW-10	14-24	3/1/2010	<1	<1	<1	<1	<1	<1
LMW-11	5-10	12/12/2017	**7.1**	**12**	**34**	< 2	1.7 J	**3.1 J**
		1/10/2018	**61**	**41**	**53**	< 2	3.9	**5.1**
		3/19/2018	< 2	< 2	**40**	< 2	0.73 J	**2.1**
		4/30/2019	<0.72	<0.92	<1.6	<1.8	<0.58	<1.8
LMW-12	5-10	12/12/2017	< 1	**5.6**	**16**	< 1	0.91 J	**3**
		1/10/2018	0.43 J	**8.6**	**19**	< 1	1.0	**3.7**
		3/19/2018	< 1	< 1	**11**	< 1	< 1	**3.7**
		4/30/2019	<0.72	<0.92	<1.6	<1.8	<0.58	<1.8
LMW-13	7-17	4/29/2019	<0.36	<0.46	<0.81	<0.90	<0.29	<0.90
LMW-14	14-24	4/29/2019	<0.36	<0.46	<0.81	<0.90	<0.29	<0.90
GENERAL SWITCH WELLS								
MW-06	2-7	11/10/2009	**91**	**12**	**9.4**	<5	<5	<5
		9/26/2017	**54**	**8.1**	**9.5**	<1	<1	<1J
		4/29/2019	**28**	4.2	3.1	<0.90	<0.29	<0.90
MW-09	13-18	11/10/2009	**450**	**77**	**300**	**6.4**	<5	<5
		9/26/2017	**180**	**200**	**1000**	<20	<20	<20J
		3/19/2018	**1300**	**150**	**260**	<20	<20	<20
		4/29/2019	**320**	**78**	**290**	<7.2	<2.3	<7.2
MW-206	137-142	11/10/2009	**37**	**13**	**12**	<5	<5	<5
		9/26/2017	**160**	4.1	4.9	<4	<4	<4J
		3/20/2018	**140 J**	4.7	<4	<4	<4	<4
		4/29/2019	**250 J**	**7.1**	**6**	<3.6	<1.2	<3.6
MW-209	135.2-140.2	11/10/2009	**120**	**17**	**14**	0.53	<5	<5
		3/19/2018	**150**	**14**	**9.9**	<1	<1	<1
		4/29/2019	**130 J**	**24**	**11**	<3.6	<1.2	<3.6

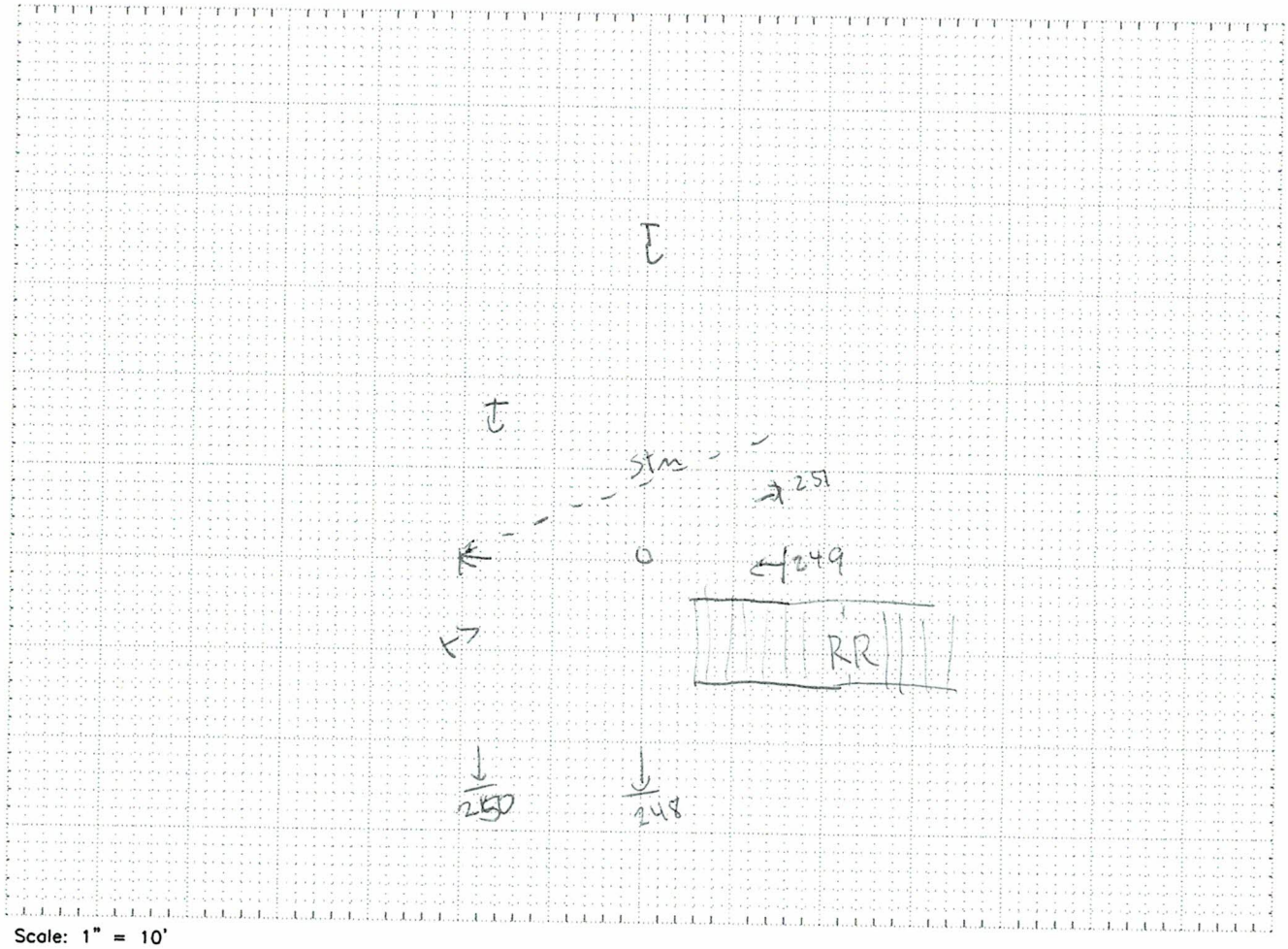
Key:
"-" - No data (or no regulatory limit)
< - less than
µg/l - microgram per liter
bgs - below ground surface
DCA - dichloroethane
DCE - dichloroethene
ft - feet
ID - identification
ND - not detected above the method detection limit
NYSDEC - New York State Department of Environmental Conservation
J - estimated value
MW - existing monitoring well
PCE - tetrachloroethene
TCE - trichloroethene
TOGS - technical and operational guidance series
VC - vinyl chloride

Notes:
1. 9/26/17 and 12/12/17 - Baseline/pre-ISEB groundwater sampling event

ATTACHMENT A

Geophysical Survey Field Sketches

CLIENT: CDM	ADVANCED GEOLOGICAL SERVICES 3 Mystic Lane Malvern, PA 19355 (800) 250-3402 www.advancedgeo.com	PERSONNEL: C Cell
SITE LOCATION: Middletown NY 79 Industrial Pl		DATE: 3/29/19
BORING:		AGS REF #:
		MISC:



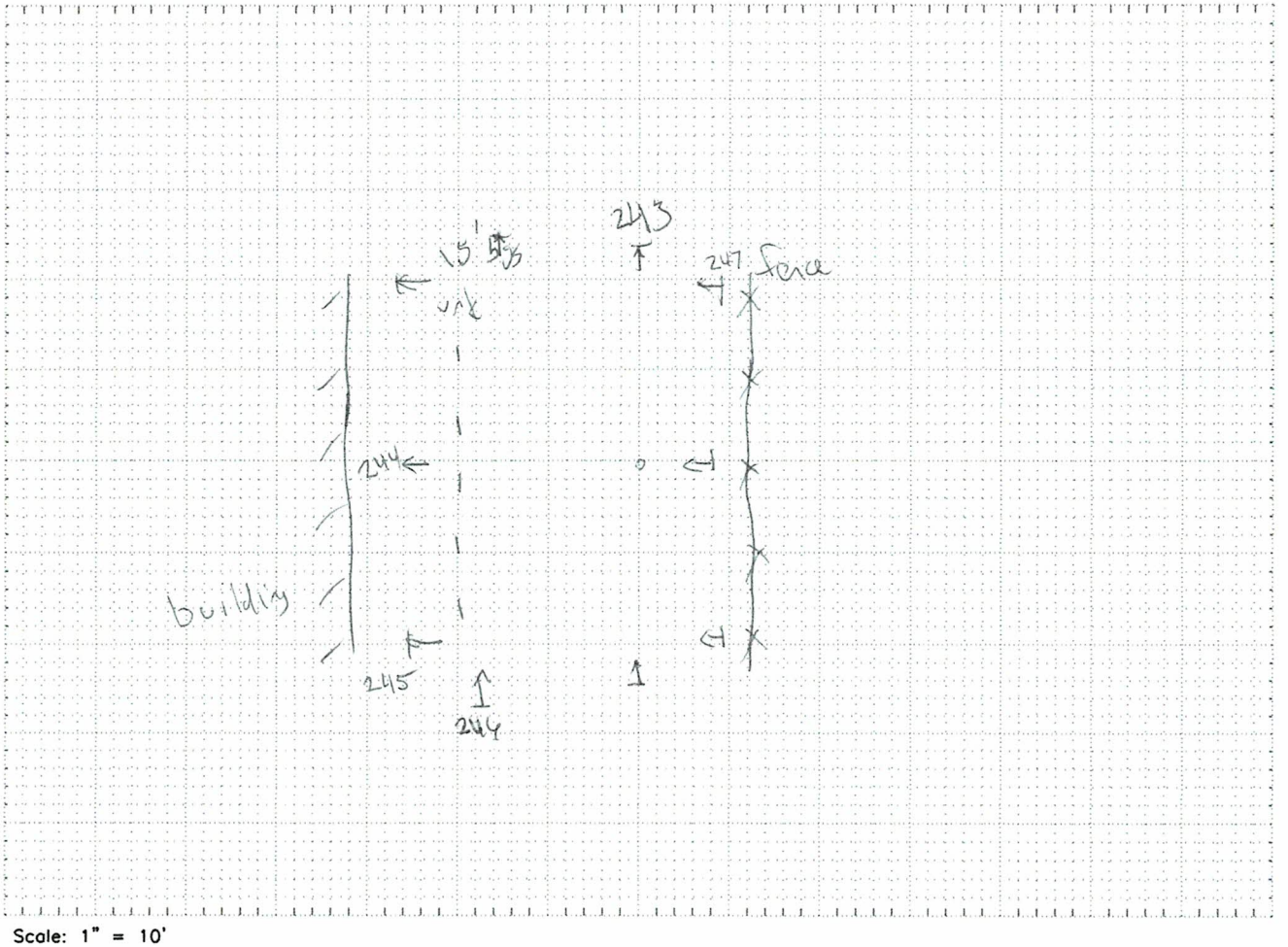
Scale: 1" = 10'

LEGEND

Detected Utilities	Equipment/Procedure	Ground Conditions	Boring/GPR/Utility/Misc. Information
_ T (Telephone, Comm.)	_ Radio Freq. (RD4000)	_ RC (Reinforced Concrete)	○ Proposed Boring Location (Per Client)
_ E (Electric)	_ Ambient	_ A (Asphalt)	● Final Boring Location (Per AGS)
_ NG (Natural Gas)	_ Direct Connect	_ C (Concrete)	— — — Utility Alignment
_ UU (Utility-Unknown Type)	_ Induction	_ Soil	⊢——⊣ GPR Traverse
_ SS (Sanitary Sewer)	_ GPR (Radar)	_ Gravel	⟵ Localized GPR Anomaly
_ SD (Storm Drain)	_ Metal Pipe and Cable Locator (M-Scope)	_ Grass	
_ W (Water)	_ Other	_ Wet	
_ FS (Fire Suppression)		_ Dry	
_ STM (Steam)		_ Other	
_ CA (Compressed Air)			
_ ? (Suspected Utility Based on Faint/Ambiguous Response)			

NOTES:

CLIENT: CDM	ADVANCED GEOLOGICAL SERVICES	PERSONNEL: C. Call
SITE LOCATION: Middletown NY	3 Mystic Lane Malvern, PA 19355 (800) 250-3402 www.advancedgeo.com	DATE: 3/29/19
		AGS REF #:
BORING:		MISC:



Scale: 1" = 10'

LEGEND

Detected Utilities	Equipment/Procedure	Ground Conditions	Boring/GPR/Utility/Misc. Information
_ T (Telephone, Comm.)	_ Radio Freq. (RD4000)	_ RC (Reinforced Concrete)	○ Proposed Boring Location (Per Client)
_ E (Electric)	_ Ambient	_ A (Asphalt)	● Final Boring Location (Per AGS)
_ NG (Natural Gas)	_ Direct Connect	_ C (Concrete)	— — — Utility Alignment
_ UU (Utility–Unknown Type)	_ Induction	_ Soil	⊢——⊣ GPR Traverse
_ SS (Sanitary Sewer)	_ GPR (Radar)	_ Gravel	⟷ Localized GPR Anomaly
_ SD (Storm Drain)	_ Metal Pipe and Cable Locator (M-Scope)	_ Grass	
_ W (Water)	_ Other	_ Wet	
_ FS (Fire Suppression)		_ Dry	
_ STM (Steam)		_ Other	
_ CA (Compressed Air)			
_ ? (Suspected Utility Based on Faint/Ambiguous Response)			

NOTES:

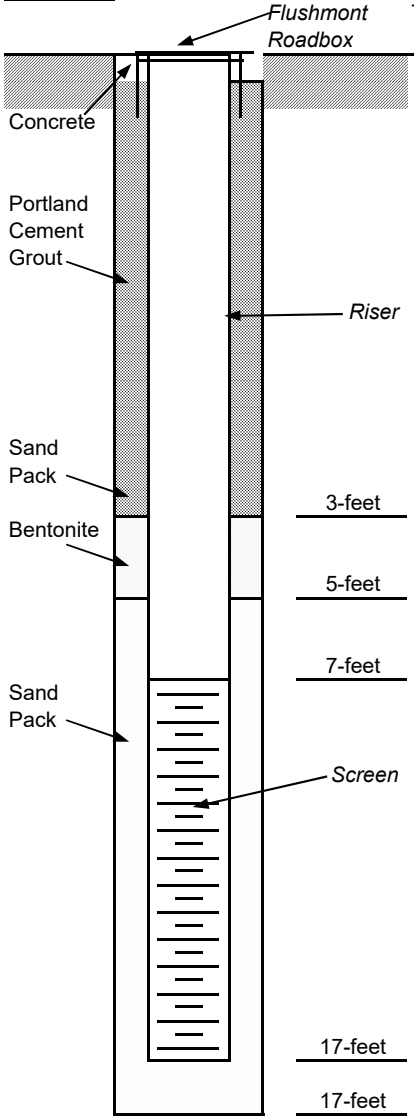
ATTACHMENT B

Monitoring Well Construction Diagrams

WELL CONSTRUCTION SUMMARY

Project: Lubricant Packaging Company Location: Middletown, New York Well No.: **LMW-13**
Permit No.: Not Applicable

TOC elev.: 604.07 above mean sea level



Type: Aluminum

DRILLING SUMMARY

Drilling Company:	North Star Drilling	Drillers:	Steve Laramec/Joe Menzel
Drill Rig/Model:	Hollow Stem Auger		
Borehole Diameters:	8-Inch	Drilling Fluid:	
Bits/Depths:	2 foot		
Total Depth:	17 feet	Depth To Water:	3.27 feet
Supervisor Geologist:	Eric Rosenzweig		

WELL DESIGN

Casing Material:	PVC	Diameter:	2-inch
Screen Material:	PVC	Diameter:	2-inch
Slot Size:	10	Setting:	7-17 feet
Filter Material:	#1 Sand	Setting:	5-17 feet
Seals Material:	Bentonite Pellets	Setting:	3-5 feet
Grout:	Portland Cement	Setting:	0-3 feet
Surface Casing Material:	Aluminum Road Box	Setting:	0-1 feet

TIME LOG

	Started	Completed
Drilling:	04/11/19	04/11/19
Installation:	04/11/19	04/11/19
Development:	04/15/19	04/15/19

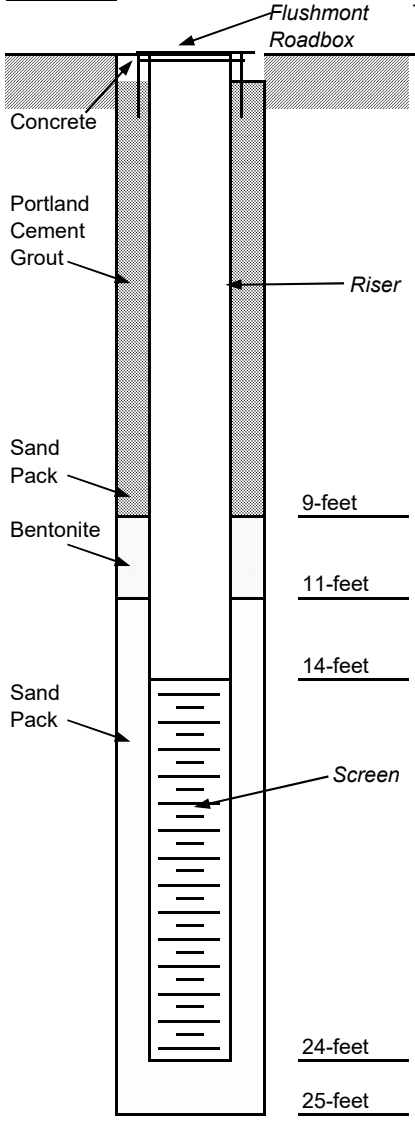
WELL DEVELOPMENT

Method:	Purge/Surge		
Static Depth to Water:			
Pumping Depth To Water:			
Pumping Rate:	1.5GPM	Spec. Capacity:	
Volume Pumped:	25.30 GAL		

WELL CONSTRUCTION SUMMARY

Project: Lubricant Packaging Company Location: Middletown, New York Well No.: **LMW-14**
Permit No.: Not Applicable

TOC elev.: 601.62 above mean sea level



Type: Aluminum

DRILLING SUMMARY

Drilling Company:	North Star Drilling	Drillers:	Steve Laramec/Joe Menzel
Drill Rig/Model:	Hollow Stem Auger		
Borehole Diameters:	8-Inch	Drilling Fluid:	
Bits/Depths:	2 foot		
Total Depth:	25 feet	Depth To Water:	0.98 feet
Supervisor Geologist:	Eric Rosenzweig		

WELL DESIGN

Casing Material:	PVC	Diameter:	2-inch
Screen Material:	PVC	Diameter:	2-inch
Slot Size:	10	Setting:	14-24 feet
Filter Material:	#1 Sand	Setting:	11-25 feet
Seals Material:	Bentonite Pellets	Setting:	9-11 feet
Grout:	Portland Cement	Setting:	0-9 feet
Surface Casing Material:	Aluminum Road Box	Setting:	0-1 feet

TIME LOG

	Started	Completed
Drilling:	04/10/19	04/10/19
Installation:	04/10/19	04/11/19
Development:	04/15/19	04/15/19

WELL DEVELOPMENT

Method:	Purge/Surge		
Static Depth to Water:			
Pumping Depth To Water:			
Pumping Rate:	1.5GPM	Spec. Capacity:	
Volume Pumped:	40 GAL		

ATTACHMENT C

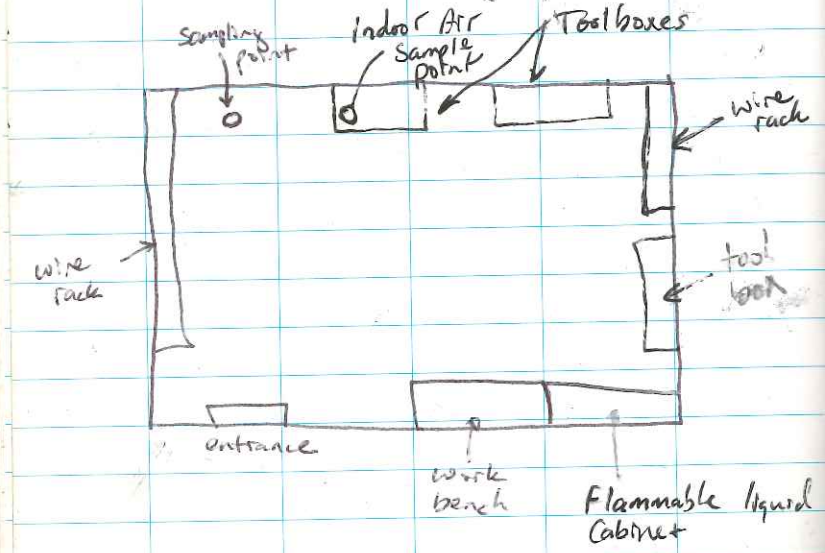
Field Log Book

Location Middletown, NY Date 3/28/19

Project / Client Lubricant Packaging / NYSDEC

SAMPLE Location Sketches and Inventory.

SV-05/IA-05 - Alpet surface sanitizing wipes, grease for grease gun, propane, paint thinner, BEHR Paints, Acetone, TruFlo FG46, rustolewm, Muriatic acid, 4-cycle engine oil, PB Blaster, Flammable Liquid Cabinet (locked)



SV-04/IA-04, SV-06/IA-06, SV-07/IA-07, AA-02 did not have any notable chemicals or substances nearby.

3/28/19

Location Middletown, NY Date 4/10/19

Project / Client Lubricant Packaging / NYSDEC
Well installation

0810 E. Rosenzweig on Site from CDM Smith to over see the installation of 2 Monitoring wells
- Weather Clear ± 32°
- Checked in with Rob from Pop Corners.
- He said that they have several shift changes per day. He was able to clear the back of the Building for shift access.

0940 - Steve Laramey & Joe Menzel on site From North Star drilling
- Walked over locations.
- Conducted Morning H&S Meeting

1015 - Set up on LMW-13
Hand Cleared to 5'
PID 0.0
Dark Brown F SAND): Hk Gravel, Brick Wet @ 4.75'
End of Day 4/10/19

Location Middletown, NY Date 4/10/19

Project / Client Lubricant Packaging / NYSDEC

Well installation

1100 Began Hand Clearing GMW-14

1150 Completed Hand Clearing to 5' BGS Wet @ 4.5'

5-7' 2-1-2-2 PID: 0.0

Recovery: 1" Saturated

- Brown F- SAND & GRAVEL

7-9" 4-3-2-1 PID: 0.2

Recovery: 8"

- 4" SAA

Light Brown silt & VF SAND

9-11' 14-8-4-4 PID: 1.4

Recovery: 6"

Dark Brown F-M SAND AND GRAVEL

11-13' 14-17-15-16 PID: 16.7

Recovery: 10"

Brown VF-F. SAND little gravel

13-15' 4-11-28-24 PID 17.6

Recovery 11"

Brown VF-F SAND Some Gravel

Clearing 4/10/19

Location Middletown, NY Date 4/10/19

Project / Client Lubricant Packaging / NYSDEC

Well installation

15-17' 40-32-50/.4" PID 14.3

Recovery 10"

SAA

17-19' 25-23-20-14 PID 16.9

Recovery: 13"

SAA

19-21' 46-31-14-15 PID 14.2

Recovery 14"

SAA

21-23' 16-17-27-36 PID 10.7

Recovery 16"

14" SAA

Grey GRAVEL

23-25 50/.4" PID: 12.6

Recovery 0

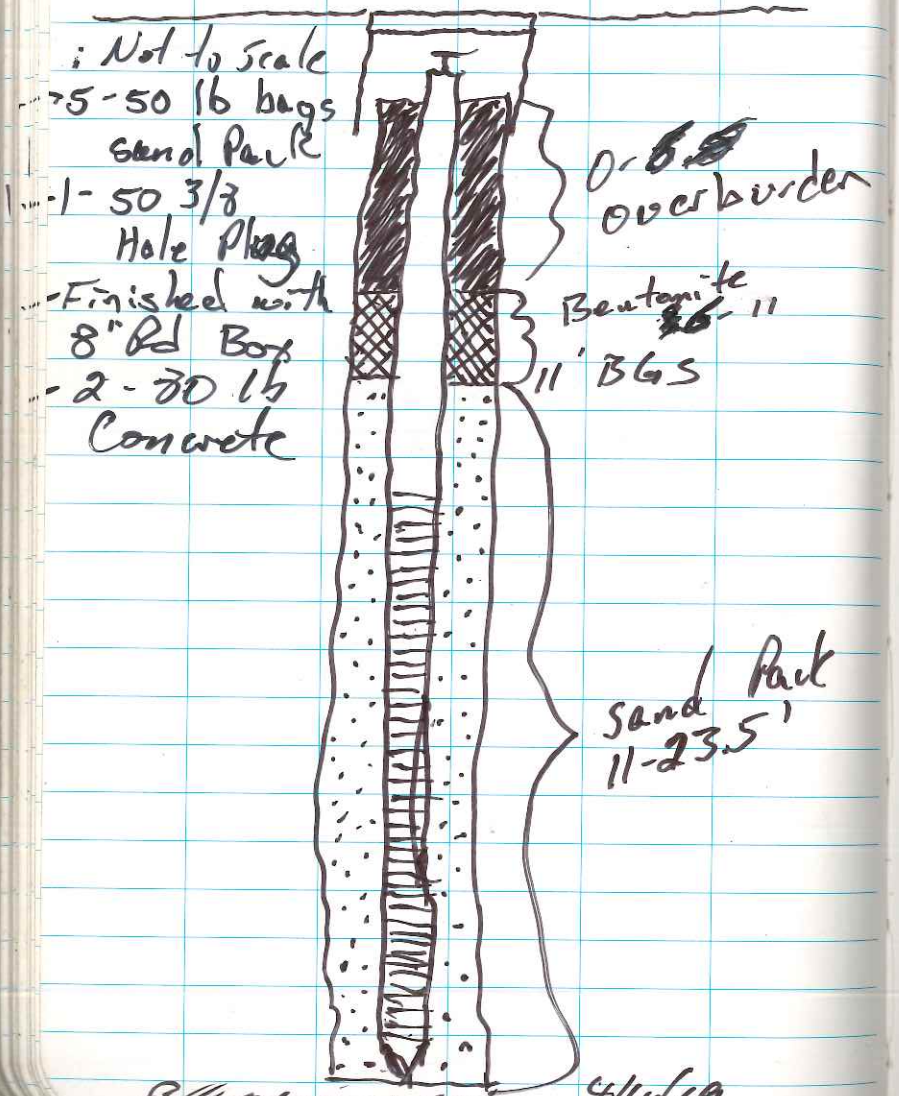
Setting well at 23.5' BGS with a 10' screen.

1445 Hole collapsed during installation had to pull PVC and Redrill

Location Middletown, NY Date 4/10/19

Project / Client Lubricant Packaging / NYSDEC
Well installation

LMW-14



EKenny 4/10/19

Location Middletown, NY Date 4/10/19

Project / Client Lubricant Packaging / NYSDEC
Well Installation

1730 Cleaned up ~~at~~
Checked w/ Rob at Pop Corners. He said that it was ok to leave the Rig on the back side of the Building. He said it was ok as long as the Fire lane was Not Blocked - Fire lane open.
- off site

4/10/19

EKenny

Location Middletown, NY Date 4/11/13

Project / Client Lubricant Packaging / NYSDEC
Well installation

0700 E Rosenzweig on site from CDM Smith.
Weather Clear @ 32°
- Joe & Steve on Site from North Star Drilling to complete installation.
- Conducted Morning H&S Meeting.

0715 - Continuing installation of Sand Pack on LMW-13.

0830 North Star off site to get concrete to set well pads while waiting for shift change to be complete at 0900

0915 Back on site setting up on LMW-13.

5-7 2.4, 3.3, PID: 0.2
Recovery %
Mark brown F. SAND Some gravel, dry

10-12 7-12 15-17 PID 0.0
Recovery %
SAA

Location Middletown, NY Date 4/11/13

Project / Client Lubricant Packaging / NYSDEC
Well installation

15-17 10-12-12-15 PID 2.5
Recovery 5"
SAA, Weathered rock in tip.

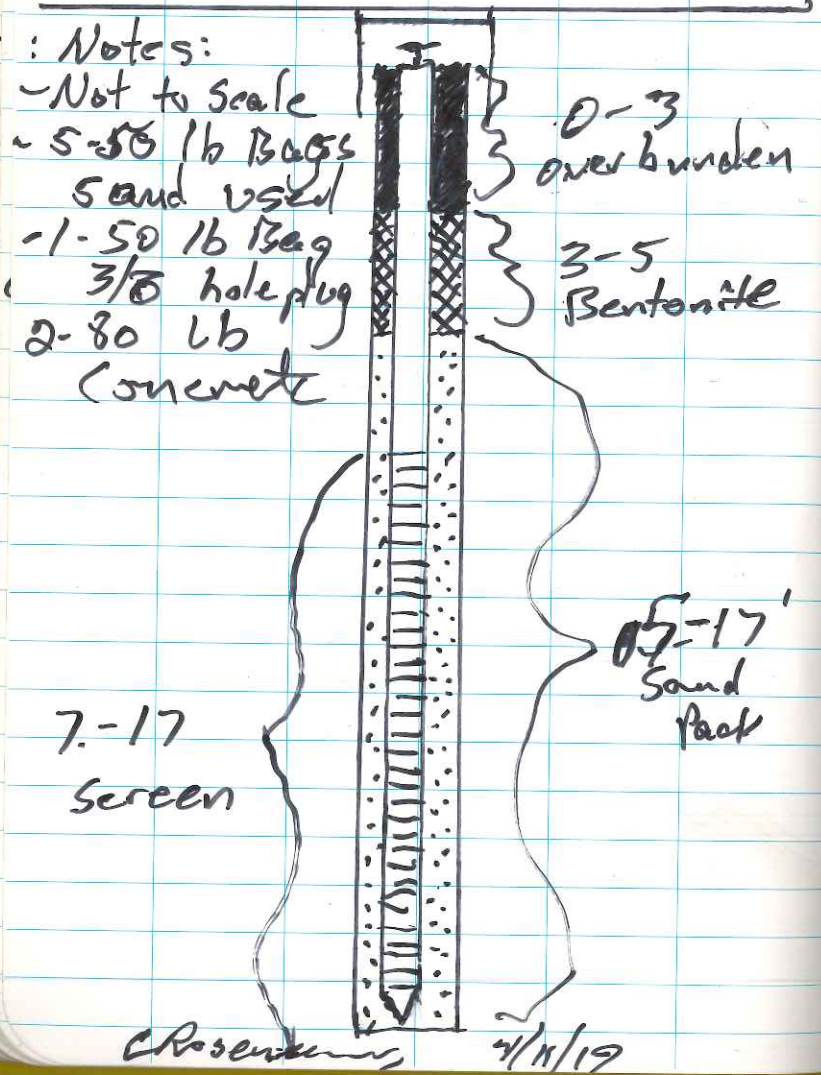
1130 Interstate County Waste on site to pick up Facilities Roll off.
- Driver complained that the access was blocked and that he would have to go around the Bldg to get the roll off.
- He was able to load and remove the roll off with out issue

1145 Roll off loaded and Removed from the Site.
- North Star still installing sand pack.

Location Middletown, NY Date 4/11/19

Project / Client Lubricant Packaging / NYSDEC
Well installation

LMW-13 construction details

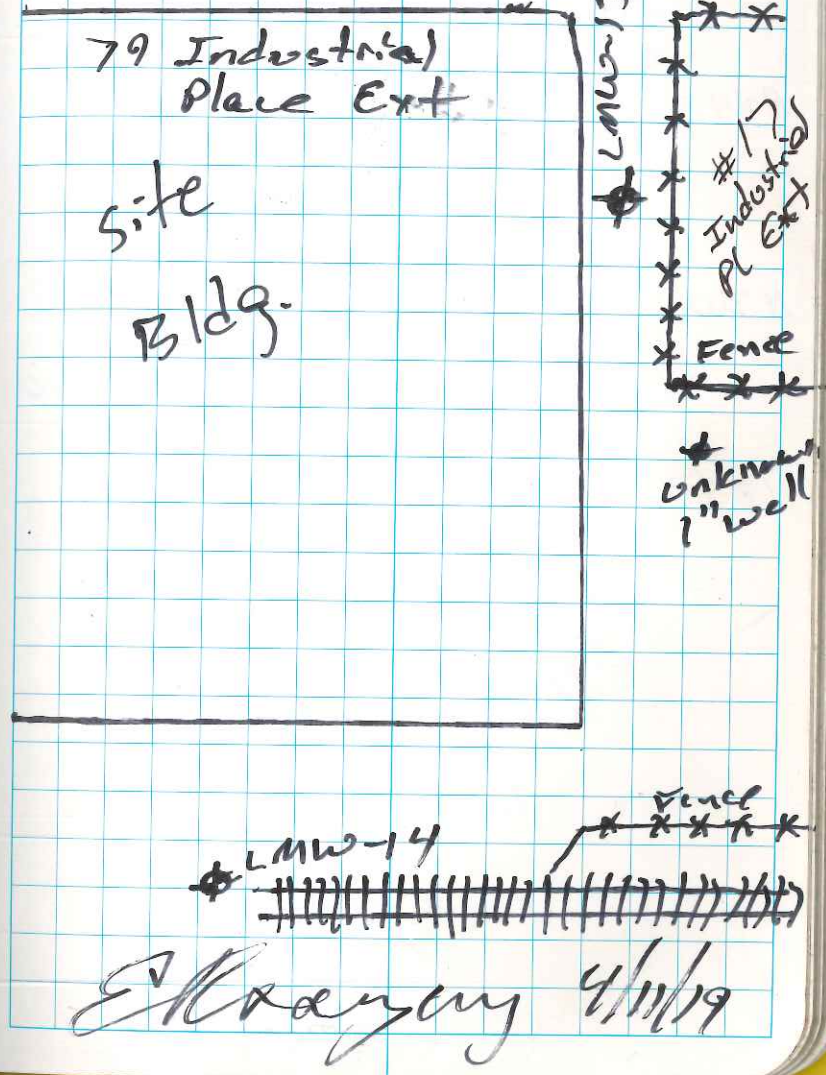


C Rosenkranz 4/11/19

Location Middletown, NY Date 4/11/19

Project / Client Lubricant Packaging / NYSDEC
Well installation

Industrial PL Ext



E Kraeyeny 4/11/19

Location Middletown, NY Date 4/15/19

Project / Client Lubricant & Packaging / NYSDEC

Well development

0830 Eric Rosenzweig on site from CDM Smith to develope LMW-13 & 14
- Weather: light Rain ≈ 50°

0845 - Set up on LMW-14
DTW - 0.93' BGS
Purged ≈ 40 gal via Purge & Surge Method

1130 Set UP on LMW-13
DTW - 3.27
Purged around 25-30 gallons

1330 off site, 1 drum full and 1 drum 1/2 full

Eric Rosenzweig

4/15/19

Location Date

Project / Client

ATTACHMENT D

New Monitoring Well Survey Information

MASER CONSULTING P.A.

Consulting, Municipal & Environmental Engineers
Planners ▪ Surveyors ▪ Landscape Architects

Job No: 19000702A Date of field survey: **4/29/2019**

JOB NYSDEC Lubricant Packaging Site, Middletown, NY

PARTY CHIEF: Jesse Phillips

Sheet No: 1 of: 1

Prepared by: JGK Reviewed by: BSB

WORK: Monitoring Wells LMW-13 & LMW-14

CONTRACTOR: CDM Smith

NOTES Wells at the Lubricant Packing Corporation Site (NYSDEC Site No. 336034)
NAVD88 Datum, Benchmark=NGS Monument T78 (PID LY0385), Elev=572.37

POINT #	*NORTHING*	*EASTING*	*ELEV*	*DESCRIPTION*
60000	954103.89	515916.55	572.37	NGS MON T78 (BM)
60002	958238.78	517745.60	604.12	GS / CNC
60004	958237.82	517745.82	604.07	MW RIM ID# LMW-13
60010	958237.82	517745.64	603.81	2IN PVC NORTH
60006	958002.22	517785.92	601.64	GS / CNC
60009	958002.90	517786.41	601.62	MW RIM ID# LMW-14
60011	958002.82	517786.27	600.92	2IN PVC NORTH

ATTACHMENT E

Low Flow Logs

DTW- ~~6~~ 5.97
PID-0.0

SITE: Lubricant Packaging
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 4/30/19

WELL #: LMW-01

SAMPLERS: ER

WEATHER CONDITION Overcast

DEPTH OF PUMP INTAKE:
ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID:

SAMPLE TIME: 1230 SAMPLE FLOW RATE: ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right					YSI Model #_____ / Horiba U-22 (circle one) Other (specify)_____					Instrument:
CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1210					6.24	0.670	1.76	12.96	-6	7.9
1215					5.97	0.687	0.58	13.03	82	2.1
1220					5.96	0.690	0.53	13.21	99	1.7
1225					5.95	0.688	0.53	13.29	105	1.9

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.
Typical values:

DO = 0.3 - 10 mg/L
Redox Potential = -100 - +600 mV
Turbidity = 0 - 500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~ 0 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top o. er Casing

BGS = Below Ground Surface

DTW 6.18
PID 0.0

SITE: Lubricant & Packaging
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 4/30/19

WELL #: LMW-12

SAMPLERS: ER

DEPTH OF PUMP INTAKE:
ft TIC or ft BGS (circle one)

WEATHER CONDITION Overcast ≈ 55
SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)
SAMPLE ID:

SAMPLE TIME: 1200 SAMPLE FLOW RATE: ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right					YSI Model #_____ / Horiba U-22 (circle one) Other (specify)_____					Instrument:
CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1140					6.76	0.650	1.94	12.06	-97	29.3
1145					6.59	0.587	0.70	11.64	-67	13.7
1150					6.41	0.487	0.55	11.78	-46	15.5
1155					6.38	0.474	0.51	11.91	-47	14.0

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.
Typical values:

DO = 0.3 - 10 mg/L
Redox Potential = -100 - +600 mV
Turbidity = 0 - ~500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~ 0 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top o. er Casing
BGS = Below Ground Surface

DTW - 6.32
PID - 0-0

SITE: Lubricant & Packaging

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 4/30/19

WELL #: LMW-05

SAMPLERS: JO

WEATHER CONDITION Overcast ≈ 55°

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID:

SAMPLE TIME: 1305 SAMPLE FLOW RATE: ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right					YSI Model #_____ / Horiba U-22 (circle one) Other (specify)_____					Instrument:
CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1245					8.82	0.703	4.34	13.90	-65	2.2
1250					10.55	0.678	4.25	13.59	-135	2.9
1255					10.81	0.672	4.26	13.51	-126	2.4
1300					10.86	0.665	4.31	13.49	-122	3.1

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis. Typical values:

DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - ~500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~[illegible]0 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top o[illegible]er Casing

BGS = Below Ground Surface

SITE: Lubricant & Packaging

PID: 0.0

DTW - 2.37

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 4/29/19

WELL #: LMW-8

SAMPLERS: ER

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

WEATHER CONDITION clear ~55°

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID:

SAMPLE TIME: 1020 SAMPLE FLOW RATE: ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right					YSI Model #_____/ Horiba U-22 (circle one) Other (specify)_____					Instrument:
CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1000					8.14	0.480	4.78	11.73	-50	26.6
1005					6.89	0.466	1.58	12.18	-47	25.2
1010					6.79	0.464	1.48	12.20	-46	25.8
1015					6.69	0.463	1.30	12.15	-43	24.5

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: Note: Highly turbid to start DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - ~500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~ 0 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top o. er Casing BGS = Below Ground Surface

DTW-1.11
PID:0.0

SITE: Lubricant & Packaging
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 4/29/19

WELL #: LMW-14
MS/MSD

SAMPLERS: ER

DEPTH OF PUMP INTAKE:
ft TIC or ft BGS (circle one)

WEATHER CONDITION clear & 55
SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)
SAMPLE ID:

SAMPLE TIME: 1100 SAMPLE FLOW RATE: ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right					YSI Model #_____/ Horiba U-22 (circle one) Other (specify)_____					Instrument:
CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1030					6.68	0.656	5.22	12.36	-35	349
1035					7.00	0.657	1.19	12.05	-72	168
1040					7.01	0.657	1.02	12.12	-77	87.5
1045					7.01	0.658	0.93	12.12	-80	67.8
1050					7.01	0.661	0.87	12.11	-86	61.2
1055					7.01	0.662	0.84	12.11	-85	58.3

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.
Typical values:

DO = 0.3 - 10 mg/L
Redox Potential = -100 - +600 mV
Turbidity = 0 - ~500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~ 0 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top o. er Casing
BGS = Below Ground Surface

DTW - 3.10
PID - 0-0

SITE: Lubricant & Packaging
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 4/29/19

WELL #: LMW-13

SAMPLERS: ER

WEATHER CONDITION clear

DEPTH OF PUMP INTAKE:
ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID:

SAMPLE TIME: 1135 SAMPLE FLOW RATE: 500 ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right					YSI Model # _____ / Horiba U-22 (circle one) Other (specify) _____					Instrument:
CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1115					6.29	0.604	1.38	14.41	105	31.4
1120					6.11	0.606	1.01	13.25	126	30.5
1125					6.02	0.616	0.89	12.97	146	28.9
1130					6.00	0.622	0.85	12.90	154	28.3

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.
Typical values:

DO = 0.3 - 10 mg/L
mV
Redox Potential = -100 - +600
Turbidity = 0 - 500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~ 0 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top o. er Casing

BGS = Below Ground Surface

DTW 5.43
PID 0.0

SITE: Lubricant & Packaging
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 4/29/19
WELL #: MW-09

SAMPLERS: EK
DEPTH OF PUMP INTAKE:
ft TIC or ft BGS (circle one)

WEATHER CONDITION clear ≈ 55°
SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)
SAMPLE ID:
SAMPLE TIME:
SAMPLE FLOW RATE: ~500 ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right					YSI Model #_____ / Horiba U-22 (circle one) Other (specify)_____					Instrument:
CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1145					6.50	0.340	6.86	14.55	143	33.7
1150					6.38	0.326	5.75	14.22	160	26.4
1155					6.37	0.322	5.72	14.15	166	13.3
1200					6.36	0.322	5.77	14.17	168	11.1
1205					6.36	0.322	5.74	14.18	169	10.5

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.
Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - 500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~ 0 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top o. er Casing BGS = Below Ground Surface

Artesian well
NO PID Readings

SITE:_____

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 4/29/19 WELL #: MW-207

SAMPLERS: ER

DEPTH OF PUMP INTAKE:
ft TIC or ft BGS (circle one)

WEATHER CONDITION Clear ~ 55°

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID: SAMPLE TIME: 1245 SAMPLE FLOW RATE: ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right					YSI Model #_____/ Horiba U-22 (circle one) Other (specify)_____					Instrument:
CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1220					6.58	1.59	4.19	15.73	48	39.9
1225					7.05	1.62	0.92	15.44	-69	31.3
1230					7.10	1.62	0.84	15.62	-84	10.4
1235					7.12	1.62	0.72	15.84	-89	7.1
1240					7.12	1.61	0.67	15.92	-91	6.5

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - 500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~ 0 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top o. er Casing BGS = Below Ground Surface

DTW-3.00
PID-0.0

SITE: Lubricant & Packaging
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 4/24/2019

WELL #: MW-206

SAMPLERS: ER

DEPTH OF PUMP INTAKE:
ft TIC or ft BGS (circle one)

WEATHER CONDITION Clear ~ 55
SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)
SAMPLE ID:

SAMPLE TIME: 1320 SAMPLE FLOW RATE: ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right					YSI Model #_____/ Horiba U-22 (circle one) Other (specify)_____					Instrument:
CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1300					7.55	1.51	3.83	17.05	-115	20.5
1305					7.20	1.57	0.78	15.23	-102	14.5
1310					7.18	1.58	0.70	15.09	-102	14.6
1315					7.18	1.59	0.69	15.00	-102	13.9

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.
Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - 500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~ 0 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm
TIC = Top o. er Casing BGS = Below Ground Surface

BTW 7.35
PID 0.1

SITE: Lubricant & Packaging
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 4/29/19
WELL #: LMW-4

SAMPLERS: ER

WEATHER CONDITION clear ~ 60°
SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)
SAMPLE ID:

DEPTH OF PUMP INTAKE:
ft TIC or ft BGS (circle one)

SAMPLE TIME: 1410 SAMPLE FLOW RATE: ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right					YSI Model #_____/ Horiba U-22 (circle one) Other (specify)_____					Instrument:
CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm°/ or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1345					6.69	0.635	5.16	14.63	-161	20.3
1350					7.10	0.681	2.11	14.71	-168	18.6
1355					7.13	0.692	0.98	14.68	-170	17.3
1400					7.14	0.698	0.97	14.69	-171	16.9
1405										

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.
Typical values:

DO = 0.3 - 10 mg/L
mV
Redox Potential = -100 - +600
Turbidity = 0 - ~500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~ 0 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top o. er Casing
BGS = Below Ground Surface

DTW - 9.59
DTB 0.0

SITE: Lubricant & Packaging
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 4/30/19

WELL #: LMW-03

SAMPLERS: ER

★ Dup Collected Here

WEATHER CONDITION Overcast / Rain 45

DEPTH OF PUMP INTAKE: ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID:

SAMPLE TIME: 1025

SAMPLE FLOW RATE: ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right					YSI Model #_____/ Horiba U-22 (circle one) Other (specify)_____					Instrument:
CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1000					7.59	0.370	7.49	13.94	68	10.8
1005					6.56	0.382	5.89	13.22	102	8.9
1010					6.37	0.384	5.49	12.79	121	7.7
1015					6.27	0.384	5.22	12.25	132	5.5
1020					6.25	0.383	5.23	12.03	135	5.7

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.
Typical values:

DO = 0.3 - 10 mg/L

Redox Potential = -100 - +600 mV

Turbidity = 0 - ~500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~ 0 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top o. er Casing

BGS = Below Ground Surface

SITE: Lubricant & Packaging

DTW 5.89
PID 0.0

LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 4/30/17

WELL #: LMW-02

SAMPLERS: ER

DEPTH OF PUMP INTAKE:
ft TIC or ft BGS (circle one)

WEATHER CONDITION Overcast/Rain ~ 55°

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID:

SAMPLE TIME: 1100 SAMPLE FLOW RATE: ml/minute

CLP ID:

Instrument Type/Model: Complete and/or Circle at right					YSI Model #_____/ Horiba U-22 Other (specify)_____ (circle one)					Instrument:
CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm°/ or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1040					6.72	0.833	2.99	12.32	-105	17.0
1045					6.73	0.835	1.33	11.67	-120	16.0
1050					6.74	0.841	0.79	11.35	-126	14.8
1055					6.73	0.840	0.67	11.27	-129	13.3

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.
Typical values:

DO = 0.3 - 10 mg/L
mV
Redox Potential = -100 - +600
Turbidity = 0 - 500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~ 0 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top o. er Casing

BGS = Below Ground Surface

DTW-6.46
PID-0.0

SITE: Lubricant & Packaging
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 4/30/17

WELL #: LMW-11

SAMPLERS: EQ

WEATHER CONDITION Overcast/Rain ~50°

DEPTH OF PUMP INTAKE:
ft TIC or ft BGS (circle one)

SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID:

SAMPLE TIME: 1130 SAMPLE FLOW RATE: ml/minute

CLP ID:

Instrument Type/Model:
Complete and/or Circle at right

YSI Model # _____ / Horiba U-22 (circle one)

Other (specify) _____

Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN	pH	SPECIFIC CONDUCTIVITY	DISSOLVED OXYGEN	TEMP.	REDOX POTENTIAL	TURBIDITY
24-Hour	gallons / liters (circle	ft TIC / ft BGS (circle one)	Units:	ft TIC / ft BGS	SU	S/cm, mS/cm, or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
				(± 0.3 FT)	(± 0.1 SU)	(± 3%)	(± 10%)	(± 10%)	(± 10 mV)	(± 10%)
1110					7.04	1.55	3.65	12.68	-133	19.1
1115					6.84	1.54	0.96	11.95	-128	13.6
1120					6.85	1.27	0.78	11.57	-125	13.0
1125					6.83	1.05	0.66	11.49	-121	14.2

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.
Typical values:

DO = 0.3 - 10 mg/L
mV
Redox Potential = -100 - +600
Turbidity = 0 - ~500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~ 0 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top o. er Casing

BGS = Below Ground Surface

ATTACHMENT F

Laboratory Reports

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Job Number: 480-152814-1

Job Description: Lubricant Packaging Corp Middletown NY

For:
CDM Smith, Inc.
11 British American Blvd
Suite 200
Latham, NY 12110

Attention: Amy Picunas

Approved for release.
Becky C Mason
Project Manager II
5/17/2019 2:44 PM

Becky C Mason, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(413)572-4000
becky.mason@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

Table of Contents

Cover Title Page 1

Data Summaries 4

Report Narrative 4

Sample Summary 5

Detection Summary 6

Method Summary 8

Client Sample Results 9

Surrogate Summary 30

QC Sample Results 31

Definitions 44

QC Association 45

Chronicle 46

Certification Summary 49

Organic Sample Data 50

GC/MS VOA 50

Method 8260C 50

Method 8260C QC Summary 51

Method 8260C Sample Data 79

Standards Data 228

Method 8260C ICAL Data 228

Method 8260C CCAL Data 430

Raw QC Data 463

Method 8260C Tune Data 463

Method 8260C Blank Data 478

Method 8260C LCS/LCSD Data 501

Method 8260C MS/MSD Data 519

Table of Contents

Method 8260C Run Logs 552
Method 8260C Prep Data 557
Shipping and Receiving Documents 562
Client Chain of Custody 563
Sample Receipt Checklist 565

Job Narrative
480-152814-1

Receipt
The samples were received on 5/2/2019 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.4º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-471764 recovered above the upper control limit for Bromoform, Carbon tetrachloride, Dibromochloromethane and Tetrachloroethene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: LMW-08-20190429 (480-152814-1), LMW-14-20190429 (480-152814-2), LMW-13-20190429 (480-152814-3) and Trip Blank (480-152814-17).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-471764 recovered above the upper control limit for 2-Hexanone. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The following samples are impacted: LMW-08-20190429 (480-152814-1), LMW-14-20190429 (480-152814-2), LMW-13-20190429 (480-152814-3), MW-209-20190429 (480-152814-5), MW-206-20190429 (480-152814-6), LMW-04-20190429 (480-152814-7), LMW-06-20190429 (480-152814-8) and Trip Blank (480-152814-17).

Method 8260C: The continuing calibration verification (CCV) analyzed in 480-471764 was outside the method criteria, high bias, for the following analyte: Tetrachloroethene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The following samples are impacted: MW-209-20190429 (480-152814-5), MW-206-20190429 (480-152814-6), LMW-04-20190429 (480-152814-7) and LMW-06-20190429 (480-152814-8).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-471764 recovered outside control limits for the following analytes: Dibromochloromethane 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: LMW-08-20190429 (480-152814-1), LMW-14-20190429 (480-152814-2), LMW-13-20190429 (480-152814-3), MW-209-20190429 (480-152814-5), MW-206-20190429 (480-152814-6), LMW-04-20190429 (480-152814-7), LMW-06-20190429 (480-152814-8) and Trip Blank (480-152814-17).

Method 8260C: The sample was collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, when verified by the laboratory, the pH was greater than 2 and the following samples were analyzed after 7 days from sampling: LMW-04-20190429 (480-152814-7) and LMW-06-20190429 (480-152814-8).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-209-20190429 (480-152814-5) and MW-206-20190429 (480-152814-6). Elevated reporting limits (RLs) are provided.

Method 8260C: Surrogate recovery for the following sample was outside the upper control limit: LMW-04-20190429 (480-152814-7). Due to holding time limitations the samples were not reanalyzed.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-471764 recovered above the upper control limit for Carbon tetrachloride, Dibromochloromethane and Bromoform. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-209-20190429 (480-152814-5), MW-206-20190429 (480-152814-6), LMW-04-20190429 (480-152814-7) and LMW-06-20190429 (480-152814-8).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: LMW-09-20190429 (480-152814-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-471956 recovered above the upper control limit for 2-Hexanone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: FB-20190430 (480-152814-9), DUP-20190430 (480-152814-10), LMW-03-20190430 (480-152814-11), LMW-02-20190430 (480-152814-12), LMW-11-20190430 (480-152814-13), LMW-12-20190430 (480-152814-14), LMW-01-20190430 (480-152814-15) and LMW-05-20190430 (480-152814-16).

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: LMW-02-20190430 (480-152814-12), LMW-11-20190430 (480-152814-13), LMW-12-20190430 (480-152814-14), (480-152814-A-12 MS) and (480-152814-A-12 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: LMW-01-20190430 (480-152814-15). Elevated reporting limits (RLs) are provided.

Method 8260C: The minimum response factor (RF) criteria for the initial calibration (ICAL) analyzed in analytical batch 480-468875 was outside criteria for some of the concentration levels for the analyte Bromoform. The average RF of all the concentration levels met control limits for this analyte. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte is considered estimated.

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

Sample Summary

Client: CDM Smith, Inc. Job ID: 480-152814-1
Project/Site: Lubricant Packaging Corp Middletown NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-152814-1	LMW-08-20190429	Water	04/29/19 10:20	05/02/19 01:00
480-152814-2	LMW-14-20190429	Water	04/29/19 11:00	05/02/19 01:00
480-152814-3	LMW-13-20190429	Water	04/29/19 11:35	05/02/19 01:00
480-152814-4	MW-09-20190429	Water	04/29/19 12:05	05/02/19 01:00
480-152814-5	MW-209-20190429	Water	04/29/19 12:45	05/02/19 01:00
480-152814-6	MW-206-20190429	Water	04/29/19 13:20	05/02/19 01:00
480-152814-7	LMW-04-20190429	Water	04/29/19 14:10	05/02/19 01:00
480-152814-8	MW-06-20190429	Water	04/29/19 09:30	05/02/19 01:00
480-152814-9	FB-20190430	Water	04/30/19 09:45	05/02/19 01:00
480-152814-10	DUP-20190430	Water	04/30/19 00:00	05/02/19 01:00
480-152814-11	LMW-03-20190430	Water	04/30/19 10:25	05/02/19 01:00
480-152814-12	LMW-02-20190430	Water	04/30/19 11:00	05/02/19 01:00
480-152814-13	LMW-11-20190430	Water	04/30/19 11:30	05/02/19 01:00
480-152814-14	LMW-12-20190430	Water	04/30/19 12:00	05/02/19 01:00
480-152814-15	LMW-01-20190430	Water	04/30/19 12:30	05/02/19 01:00
480-152814-16	LMW-05-20190430	Water	04/30/19 13:05	05/02/19 01:00
480-152814-17	Trip Blank	Water	04/29/19 00:00	05/02/19 01:00

Detection Summary

Client: CDM Smith, Inc. Job ID: 480-152814-1
Project/Site: Lubricant Packaging Corp Middletown NY

Client Sample ID: LMW-08-20190429 Lab Sample ID: 480-152814-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.1		1.0	0.38	ug/L	1		8260C	Total/NA
Methylene Chloride	0.44	J	1.0	0.44	ug/L	1		8260C	Total/NA

Client Sample ID: LMW-14-20190429 Lab Sample ID: 480-152814-2

No Detections.

Client Sample ID: LMW-13-20190429 Lab Sample ID: 480-152814-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	65		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	5.9		1.0	0.38	ug/L	1		8260C	Total/NA

Client Sample ID: MW-09-20190429 Lab Sample ID: 480-152814-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	290		8.0	6.5	ug/L	8		8260C	Total/NA
Tetrachloroethene	320		8.0	2.9	ug/L	8		8260C	Total/NA
Trichloroethene	78		8.0	3.7	ug/L	8		8260C	Total/NA

Client Sample ID: MW-209-20190429 Lab Sample ID: 480-152814-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	11		4.0	3.2	ug/L	4		8260C	Total/NA
Methylene Chloride	4.0		4.0	1.8	ug/L	4		8260C	Total/NA
Tetrachloroethene	130		4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	24		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: MW-206-20190429 Lab Sample ID: 480-152814-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.0		4.0	3.2	ug/L	4		8260C	Total/NA
Methylene Chloride	3.7	J	4.0	1.8	ug/L	4		8260C	Total/NA
Tetrachloroethene	250		4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	7.1		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: LMW-04-20190429 Lab Sample ID: 480-152814-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	10		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.39	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.49	J	1.0	0.29	ug/L	1		8260C	Total/NA
Methylene Chloride	0.45	J	1.0	0.44	ug/L	1		8260C	Total/NA
Tetrachloroethene	3.2		1.0	0.36	ug/L	1		8260C	Total/NA

Client Sample ID: MW-06-20190429 Lab Sample ID: 480-152814-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.1		1.0	0.81	ug/L	1		8260C	Total/NA
Methylene Chloride	0.45	J	1.0	0.44	ug/L	1		8260C	Total/NA
Tetrachloroethene	28		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	4.2		1.0	0.46	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: CDM Smith, Inc. Job ID: 480-152814-1
Project/Site: Lubricant Packaging Corp Middletown NY

Client Sample ID: FB-20190430 Lab Sample ID: 480-152814-9

No Detections.

Client Sample ID: DUP-20190430 Lab Sample ID: 480-152814-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	45		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	14		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.6		1.0	0.29	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.82	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	2.7		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: LMW-03-20190430 Lab Sample ID: 480-152814-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	50		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	16		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.0		1.0	0.29	ug/L	1		8260C	Total/NA
Tetrachloroethene	1.0		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	2.9		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: LMW-02-20190430 Lab Sample ID: 480-152814-12

No Detections.

Client Sample ID: LMW-11-20190430 Lab Sample ID: 480-152814-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.8		2.0	0.76	ug/L	2		8260C	Total/NA
Chloroethane	3.4		2.0	0.64	ug/L	2		8260C	Total/NA

Client Sample ID: LMW-12-20190430 Lab Sample ID: 480-152814-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.0		2.0	0.76	ug/L	2		8260C	Total/NA

Client Sample ID: LMW-01-20190430 Lab Sample ID: 480-152814-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	49		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.1		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.0	J	2.0	0.58	ug/L	2		8260C	Total/NA

Client Sample ID: LMW-05-20190430 Lab Sample ID: 480-152814-16

No Detections.

Client Sample ID: Trip Blank Lab Sample ID: 480-152814-17

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: CDM Smith, Inc. Job ID: 480-152814-1
Project/Site: Lubricant Packaging Corp Middletown NY

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 ID: LMW-08-20190429 Lab Sample ID: 480-152814-1

Date Collected: 04/29/19 10:20 **Matrix: Water**
Date Received: 05/02/19 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			05/08/19 15:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/08/19 15:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/08/19 15:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/08/19 15:13	1
1,1-Dichloroethane	**1.1**		1.0	0.38	ug/L			05/08/19 15:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/08/19 15:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/08/19 15:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/08/19 15:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/08/19 15:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/08/19 15:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/08/19 15:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/08/19 15:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/08/19 15:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/08/19 15:13	1
2-Hexanone	ND		5.0	1.2	ug/L			05/08/19 15:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/08/19 15:13	1
Acetone	ND		10	3.0	ug/L			05/08/19 15:13	1
Benzene	ND		1.0	0.41	ug/L			05/08/19 15:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/08/19 15:13	1
Bromoform	ND	*	1.0	0.26	ug/L			05/08/19 15:13	1
Bromomethane	ND		1.0	0.69	ug/L			05/08/19 15:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/08/19 15:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/08/19 15:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/08/19 15:13	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			05/08/19 15:13	1
Chloroethane	ND		1.0	0.32	ug/L			05/08/19 15:13	1
Chloroform	ND		1.0	0.34	ug/L			05/08/19 15:13	1
Chloromethane	ND		1.0	0.35	ug/L			05/08/19 15:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/08/19 15:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/08/19 15:13	1
Cyclohexane	ND		1.0	0.18	ug/L			05/08/19 15:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/08/19 15:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/08/19 15:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/08/19 15:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/08/19 15:13	1
Methyl acetate	ND		2.5	1.3	ug/L			05/08/19 15:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/08/19 15:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/08/19 15:13	1
Methylene Chloride	**0.44**	**J**	1.0	0.44	ug/L			05/08/19 15:13	1
Styrene	ND		1.0	0.73	ug/L			05/08/19 15:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/08/19 15:13	1
Toluene	ND		1.0	0.51	ug/L			05/08/19 15:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/08/19 15:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/08/19 15:13	1
Trichloroethene	ND		1.0	0.46	ug/L			05/08/19 15:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/08/19 15:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/08/19 15:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/08/19 15:13	1

Client Sample ID: LMW-08-20190429 Lab Sample ID: 480-152814-1

Date Collected: 04/29/19 10:20 **Matrix: Water**
Date Received: 05/02/19 01:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*05/08/19 15:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*05/08/19 15:13*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*05/08/19 15:13*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/08/19 15:13*	*1*

Client Sample ID: LMW-14-20190429 Lab Sample ID: 480-152814-2

Date Collected: 04/29/19 11:00 **Matrix: Water**
Date Received: 05/02/19 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			05/08/19 15:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/08/19 15:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/08/19 15:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/08/19 15:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/08/19 15:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/08/19 15:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/08/19 15:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/08/19 15:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/08/19 15:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/08/19 15:37	1
1,2-Dichloropropane	ND	F1	1.0	0.72	ug/L			05/08/19 15:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/08/19 15:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/08/19 15:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/08/19 15:37	1
2-Hexanone	ND		5.0	1.2	ug/L			05/08/19 15:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/08/19 15:37	1
Acetone	ND		10	3.0	ug/L			05/08/19 15:37	1
Benzene	ND		1.0	0.41	ug/L			05/08/19 15:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/08/19 15:37	1
Bromoform	ND	* F1	1.0	0.26	ug/L			05/08/19 15:37	1
Bromomethane	ND		1.0	0.69	ug/L			05/08/19 15:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/08/19 15:37	1
Carbon tetrachloride	ND	F1	1.0	0.27	ug/L			05/08/19 15:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/08/19 15:37	1
Dibromochloromethane	ND	* F1	1.0	0.32	ug/L			05/08/19 15:37	1
Chloroethane	ND	F1	1.0	0.32	ug/L			05/08/19 15:37	1
Chloroform	ND		1.0	0.34	ug/L			05/08/19 15:37	1
Chloromethane	ND	F1	1.0	0.35	ug/L			05/08/19 15:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/08/19 15:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/08/19 15:37	1
Cyclohexane	ND		1.0	0.18	ug/L			05/08/19 15:37	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/08/19 15:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/08/19 15:37	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/08/19 15:37	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/08/19 15:37	1
Methyl acetate	ND		2.5	1.3	ug/L			05/08/19 15:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/08/19 15:37	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/08/19 15:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/08/19 15:37	1

Client Sample ID: LMW-14-20190429 — Lab Sample ID: 480-152814-2

Date Collected: 04/29/19 11:00 — **Matrix: Water**
Date Received: 05/02/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			05/08/19 15:37	1
Tetrachloroethene	ND	F1	1.0	0.36	ug/L			05/08/19 15:37	1
Toluene	ND		1.0	0.51	ug/L			05/08/19 15:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/08/19 15:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/08/19 15:37	1
Trichloroethene	ND		1.0	0.46	ug/L			05/08/19 15:37	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/08/19 15:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/08/19 15:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/08/19 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/08/19 15:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*05/08/19 15:37*	*1*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*05/08/19 15:37*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/08/19 15:37*	*1*

Client Sample ID: LMW-13-20190429 — Lab Sample ID: 480-152814-3

Date Collected: 04/29/19 11:35 — **Matrix: Water**
Date Received: 05/02/19 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	**65**		1.0	0.82	ug/L			05/08/19 16:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/08/19 16:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/08/19 16:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/08/19 16:01	1
1,1-Dichloroethane	**5.9**		1.0	0.38	ug/L			05/08/19 16:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/08/19 16:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/08/19 16:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/08/19 16:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/08/19 16:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/08/19 16:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/08/19 16:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/08/19 16:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/08/19 16:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/08/19 16:01	1
2-Hexanone	ND		5.0	1.2	ug/L			05/08/19 16:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/08/19 16:01	1
Acetone	ND		10	3.0	ug/L			05/08/19 16:01	1
Benzene	ND		1.0	0.41	ug/L			05/08/19 16:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/08/19 16:01	1
Bromoform	ND	*	1.0	0.26	ug/L			05/08/19 16:01	1
Bromomethane	ND		1.0	0.69	ug/L			05/08/19 16:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/08/19 16:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/08/19 16:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/08/19 16:01	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			05/08/19 16:01	1
Chloroethane	ND		1.0	0.32	ug/L			05/08/19 16:01	1
Chloroform	ND		1.0	0.34	ug/L			05/08/19 16:01	1
Chloromethane	ND		1.0	0.35	ug/L			05/08/19 16:01	1

Client Sample ID: LMW-13-20190429 — Lab Sample ID: 480-152814-3

Date Collected: 04/29/19 11:35 **Matrix: Water**
Date Received: 05/02/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/08/19 16:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/08/19 16:01	1
Cyclohexane	ND		1.0	0.18	ug/L			05/08/19 16:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/08/19 16:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/08/19 16:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/08/19 16:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/08/19 16:01	1
Methyl acetate	ND		2.5	1.3	ug/L			05/08/19 16:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/08/19 16:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/08/19 16:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/08/19 16:01	1
Styrene	ND		1.0	0.73	ug/L			05/08/19 16:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/08/19 16:01	1
Toluene	ND		1.0	0.51	ug/L			05/08/19 16:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/08/19 16:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/08/19 16:01	1
Trichloroethene	ND		1.0	0.46	ug/L			05/08/19 16:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/08/19 16:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/08/19 16:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/08/19 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/08/19 16:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*05/08/19 16:01*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*05/08/19 16:01*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*05/08/19 16:01*	*1*

Client Sample ID: MW-09-20190429 — Lab Sample ID: 480-152814-4

Date Collected: 04/29/19 12:05 **Matrix: Water**
Date Received: 05/02/19 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		8.0	6.6	ug/L			05/09/19 04:33	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			05/09/19 04:33	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			05/09/19 04:33	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			05/09/19 04:33	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			05/09/19 04:33	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			05/09/19 04:33	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			05/09/19 04:33	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			05/09/19 04:33	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			05/09/19 04:33	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			05/09/19 04:33	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			05/09/19 04:33	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			05/09/19 04:33	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			05/09/19 04:33	8
2-Butanone (MEK)	ND		80	11	ug/L			05/09/19 04:33	8
2-Hexanone	ND		40	9.9	ug/L			05/09/19 04:33	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			05/09/19 04:33	8
Acetone	ND		80	24	ug/L			05/09/19 04:33	8

Client Sample ID: MW-09-20190429 Lab Sample ID: 480-152814-4

Date Collected: 04/29/19 12:05 **Matrix: Water**
Date Received: 05/02/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		8.0	3.3	ug/L			05/09/19 04:33	8
Bromodichloromethane	ND		8.0	3.1	ug/L			05/09/19 04:33	8
Bromoform	ND		8.0	2.1	ug/L			05/09/19 04:33	8
Bromomethane	ND		8.0	5.5	ug/L			05/09/19 04:33	8
Carbon disulfide	ND		8.0	1.5	ug/L			05/09/19 04:33	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			05/09/19 04:33	8
Chlorobenzene	ND		8.0	6.0	ug/L			05/09/19 04:33	8
Dibromochloromethane	ND		8.0	2.6	ug/L			05/09/19 04:33	8
Chloroethane	ND		8.0	2.6	ug/L			05/09/19 04:33	8
Chloroform	ND		8.0	2.7	ug/L			05/09/19 04:33	8
Chloromethane	ND		8.0	2.8	ug/L			05/09/19 04:33	8
cis-1,2-Dichloroethene	**290**		8.0	6.5	ug/L			05/09/19 04:33	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			05/09/19 04:33	8
Cyclohexane	ND		8.0	1.4	ug/L			05/09/19 04:33	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			05/09/19 04:33	8
Ethylbenzene	ND		8.0	5.9	ug/L			05/09/19 04:33	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			05/09/19 04:33	8
Isopropylbenzene	ND		8.0	6.3	ug/L			05/09/19 04:33	8
Methyl acetate	ND		20	10	ug/L			05/09/19 04:33	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			05/09/19 04:33	8
Methylcyclohexane	ND		8.0	1.3	ug/L			05/09/19 04:33	8
Methylene Chloride	ND		8.0	3.5	ug/L			05/09/19 04:33	8
Styrene	ND		8.0	5.8	ug/L			05/09/19 04:33	8
Tetrachloroethene	**320**		8.0	2.9	ug/L			05/09/19 04:33	8
Toluene	ND		8.0	4.1	ug/L			05/09/19 04:33	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			05/09/19 04:33	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			05/09/19 04:33	8
Trichloroethene	**78**		8.0	3.7	ug/L			05/09/19 04:33	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			05/09/19 04:33	8
Vinyl chloride	ND		8.0	7.2	ug/L			05/09/19 04:33	8
Xylenes, Total	ND		16	5.3	ug/L			05/09/19 04:33	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/09/19 04:33*	*8*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/09/19 04:33*	*8*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*05/09/19 04:33*	*8*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*05/09/19 04:33*	*8*

Client Sample ID: MW-209-20190429 Lab Sample ID: 480-152814-5

Date Collected: 04/29/19 12:45 **Matrix: Water**
Date Received: 05/02/19 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			05/08/19 16:49	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			05/08/19 16:49	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			05/08/19 16:49	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			05/08/19 16:49	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			05/08/19 16:49	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			05/08/19 16:49	4

Client Sample ID: MW-209-20190429 Lab Sample ID: 480-152814-5

Date Collected: 04/29/19 12:45 **Matrix: Water**
Date Received: 05/02/19 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-Trichlorobenzene	ND		4.0	1.6	ug/L			05/08/19 16:49	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			05/08/19 16:49	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			05/08/19 16:49	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			05/08/19 16:49	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			05/08/19 16:49	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			05/08/19 16:49	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			05/08/19 16:49	4
2-Butanone (MEK)	ND		40	5.3	ug/L			05/08/19 16:49	4
2-Hexanone	ND		20	5.0	ug/L			05/08/19 16:49	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			05/08/19 16:49	4
Acetone	ND		40	12	ug/L			05/08/19 16:49	4
Benzene	ND		4.0	1.6	ug/L			05/08/19 16:49	4
Bromodichloromethane	ND		4.0	1.6	ug/L			05/08/19 16:49	4
Bromoform	ND	*	4.0	1.0	ug/L			05/08/19 16:49	4
Bromomethane	ND		4.0	2.8	ug/L			05/08/19 16:49	4
Carbon disulfide	ND		4.0	0.76	ug/L			05/08/19 16:49	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			05/08/19 16:49	4
Chlorobenzene	ND		4.0	3.0	ug/L			05/08/19 16:49	4
Dibromochloromethane	ND	*	4.0	1.3	ug/L			05/08/19 16:49	4
Chloroethane	ND		4.0	1.3	ug/L			05/08/19 16:49	4
Chloroform	ND		4.0	1.4	ug/L			05/08/19 16:49	4
Chloromethane	ND		4.0	1.4	ug/L			05/08/19 16:49	4
cis-1,2-Dichloroethene	**11**		4.0	3.2	ug/L			05/08/19 16:49	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			05/08/19 16:49	4
Cyclohexane	ND		4.0	0.72	ug/L			05/08/19 16:49	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			05/08/19 16:49	4
Ethylbenzene	ND		4.0	3.0	ug/L			05/08/19 16:49	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			05/08/19 16:49	4
Isopropylbenzene	ND		4.0	3.2	ug/L			05/08/19 16:49	4
Methyl acetate	ND		10	5.2	ug/L			05/08/19 16:49	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			05/08/19 16:49	4
Methylcyclohexane	ND		4.0	0.64	ug/L			05/08/19 16:49	4
Methylene Chloride	**4.0**		4.0	1.8	ug/L			05/08/19 16:49	4
Styrene	ND		4.0	2.9	ug/L			05/08/19 16:49	4
Tetrachloroethene	**130**		4.0	1.4	ug/L			05/08/19 16:49	4
Toluene	ND		4.0	2.0	ug/L			05/08/19 16:49	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			05/08/19 16:49	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			05/08/19 16:49	4
Trichloroethene	**24**		4.0	1.8	ug/L			05/08/19 16:49	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			05/08/19 16:49	4
Vinyl chloride	ND		4.0	3.6	ug/L			05/08/19 16:49	4
Xylenes, Total	ND		8.0	2.6	ug/L			05/08/19 16:49	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/08/19 16:49*	*4*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*05/08/19 16:49*	*4*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*05/08/19 16:49*	*4*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/08/19 16:49*	*4*

Client Sample ID: MW-206-20190429 Lab Sample ID: 480-152814-6

Date Collected: 04/29/19 13:20 **Matrix: Water**
Date Received: 05/02/19 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			05/08/19 17:13	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			05/08/19 17:13	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			05/08/19 17:13	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			05/08/19 17:13	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			05/08/19 17:13	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			05/08/19 17:13	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			05/08/19 17:13	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			05/08/19 17:13	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			05/08/19 17:13	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			05/08/19 17:13	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			05/08/19 17:13	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			05/08/19 17:13	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			05/08/19 17:13	4
2-Butanone (MEK)	ND		40	5.3	ug/L			05/08/19 17:13	4
2-Hexanone	ND		20	5.0	ug/L			05/08/19 17:13	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			05/08/19 17:13	4
Acetone	ND		40	12	ug/L			05/08/19 17:13	4
Benzene	ND		4.0	1.6	ug/L			05/08/19 17:13	4
Bromodichloromethane	ND		4.0	1.6	ug/L			05/08/19 17:13	4
Bromoform	ND	*	4.0	1.0	ug/L			05/08/19 17:13	4
Bromomethane	ND		4.0	2.8	ug/L			05/08/19 17:13	4
Carbon disulfide	ND		4.0	0.76	ug/L			05/08/19 17:13	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			05/08/19 17:13	4
Chlorobenzene	ND		4.0	3.0	ug/L			05/08/19 17:13	4
Dibromochloromethane	ND	*	4.0	1.3	ug/L			05/08/19 17:13	4
Chloroethane	ND		4.0	1.3	ug/L			05/08/19 17:13	4
Chloroform	ND		4.0	1.4	ug/L			05/08/19 17:13	4
Chloromethane	ND		4.0	1.4	ug/L			05/08/19 17:13	4
cis-1,2-Dichloroethene	**6.0**		4.0	3.2	ug/L			05/08/19 17:13	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			05/08/19 17:13	4
Cyclohexane	ND		4.0	0.72	ug/L			05/08/19 17:13	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			05/08/19 17:13	4
Ethylbenzene	ND		4.0	3.0	ug/L			05/08/19 17:13	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			05/08/19 17:13	4
Isopropylbenzene	ND		4.0	3.2	ug/L			05/08/19 17:13	4
Methyl acetate	ND		10	5.2	ug/L			05/08/19 17:13	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			05/08/19 17:13	4
Methylcyclohexane	ND		4.0	0.64	ug/L			05/08/19 17:13	4
Methylene Chloride	**3.7**	**J**	4.0	1.8	ug/L			05/08/19 17:13	4
Styrene	ND		4.0	2.9	ug/L			05/08/19 17:13	4
Tetrachloroethene	**250**		4.0	1.4	ug/L			05/08/19 17:13	4
Toluene	ND		4.0	2.0	ug/L			05/08/19 17:13	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			05/08/19 17:13	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			05/08/19 17:13	4
Trichloroethene	**7.1**		4.0	1.8	ug/L			05/08/19 17:13	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			05/08/19 17:13	4
Vinyl chloride	ND		4.0	3.6	ug/L			05/08/19 17:13	4
Xylenes, Total	ND		8.0	2.6	ug/L			05/08/19 17:13	4

Client Sample ID: MW-206-20190429 Lab Sample ID: 480-152814-6

Date Collected: 04/29/19 13:20 **Matrix: Water**
Date Received: 05/02/19 01:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/08/19 17:13*	*4*
1,2-Dichloroethane-d4 (Surr)	*119*		*77 - 120*		*05/08/19 17:13*	*4*
4-Bromofluorobenzene (Surr)	*116*		*73 - 120*		*05/08/19 17:13*	*4*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*05/08/19 17:13*	*4*

Client Sample ID: LMW-04-20190429 Lab Sample ID: 480-152814-7

Date Collected: 04/29/19 14:10 **Matrix: Water**
Date Received: 05/02/19 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	**10**		1.0	0.82	ug/L			05/08/19 17:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/08/19 17:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/08/19 17:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/08/19 17:37	1
1,1-Dichloroethane	**0.39**	**J**	1.0	0.38	ug/L			05/08/19 17:37	1
1,1-Dichloroethene	**0.49**	**J**	1.0	0.29	ug/L			05/08/19 17:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/08/19 17:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/08/19 17:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/08/19 17:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/08/19 17:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/08/19 17:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/08/19 17:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/08/19 17:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/08/19 17:37	1
2-Hexanone	ND		5.0	1.2	ug/L			05/08/19 17:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/08/19 17:37	1
Acetone	ND		10	3.0	ug/L			05/08/19 17:37	1
Benzene	ND		1.0	0.41	ug/L			05/08/19 17:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/08/19 17:37	1
Bromoform	ND	*	1.0	0.26	ug/L			05/08/19 17:37	1
Bromomethane	ND		1.0	0.69	ug/L			05/08/19 17:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/08/19 17:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/08/19 17:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/08/19 17:37	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			05/08/19 17:37	1
Chloroethane	ND		1.0	0.32	ug/L			05/08/19 17:37	1
Chloroform	ND		1.0	0.34	ug/L			05/08/19 17:37	1
Chloromethane	ND		1.0	0.35	ug/L			05/08/19 17:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/08/19 17:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/08/19 17:37	1
Cyclohexane	ND		1.0	0.18	ug/L			05/08/19 17:37	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/08/19 17:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/08/19 17:37	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/08/19 17:37	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/08/19 17:37	1
Methyl acetate	ND		2.5	1.3	ug/L			05/08/19 17:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/08/19 17:37	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/08/19 17:37	1
Methylene Chloride	**0.45**	**J**	1.0	0.44	ug/L			05/08/19 17:37	1

Client Sample ID: LMW-04-20190429 Lab Sample ID: 480-152814-7

Date Collected: 04/29/19 14:10 **Matrix: Water**
Date Received: 05/02/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			05/08/19 17:37	1
Tetrachloroethene	**3.2**		1.0	0.36	ug/L			05/08/19 17:37	1
Toluene	ND		1.0	0.51	ug/L			05/08/19 17:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/08/19 17:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/08/19 17:37	1
Trichloroethene	ND		1.0	0.46	ug/L			05/08/19 17:37	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/08/19 17:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/08/19 17:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/08/19 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/08/19 17:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*	*X*	*77 - 120*		*05/08/19 17:37*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*05/08/19 17:37*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*05/08/19 17:37*	*1*

Client Sample ID: MW-06-20190429 Lab Sample ID: 480-152814-8

Date Collected: 04/29/19 09:30 **Matrix: Water**
Date Received: 05/02/19 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			05/08/19 18:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/08/19 18:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/08/19 18:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/08/19 18:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/08/19 18:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/08/19 18:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/08/19 18:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/08/19 18:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/08/19 18:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/08/19 18:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/08/19 18:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/08/19 18:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/08/19 18:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/08/19 18:01	1
2-Hexanone	ND		5.0	1.2	ug/L			05/08/19 18:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/08/19 18:01	1
Acetone	ND		10	3.0	ug/L			05/08/19 18:01	1
Benzene	ND		1.0	0.41	ug/L			05/08/19 18:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/08/19 18:01	1
Bromoform	ND	*	1.0	0.26	ug/L			05/08/19 18:01	1
Bromomethane	ND		1.0	0.69	ug/L			05/08/19 18:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/08/19 18:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/08/19 18:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/08/19 18:01	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			05/08/19 18:01	1
Chloroethane	ND		1.0	0.32	ug/L			05/08/19 18:01	1
Chloroform	ND		1.0	0.34	ug/L			05/08/19 18:01	1
Chloromethane	ND		1.0	0.35	ug/L			05/08/19 18:01	1

Client Sample ID: MW-06-20190429 — Lab Sample ID: 480-152814-8

Date Collected: 04/29/19 09:30 **Matrix: Water**
Date Received: 05/02/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**3.1**		1.0	0.81	ug/L			05/08/19 18:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/08/19 18:01	1
Cyclohexane	ND		1.0	0.18	ug/L			05/08/19 18:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/08/19 18:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/08/19 18:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/08/19 18:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/08/19 18:01	1
Methyl acetate	ND		2.5	1.3	ug/L			05/08/19 18:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/08/19 18:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/08/19 18:01	1
Methylene Chloride	**0.45**	**J**	1.0	0.44	ug/L			05/08/19 18:01	1
Styrene	ND		1.0	0.73	ug/L			05/08/19 18:01	1
Tetrachloroethene	**28**		1.0	0.36	ug/L			05/08/19 18:01	1
Toluene	ND		1.0	0.51	ug/L			05/08/19 18:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/08/19 18:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/08/19 18:01	1
Trichloroethene	**4.2**		1.0	0.46	ug/L			05/08/19 18:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/08/19 18:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/08/19 18:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/08/19 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/08/19 18:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*05/08/19 18:01*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*05/08/19 18:01*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*05/08/19 18:01*	*1*

Client Sample ID: FB-20190430 — Lab Sample ID: 480-152814-9

Date Collected: 04/30/19 09:45 **Matrix: Water**
Date Received: 05/02/19 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			05/09/19 12:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/19 12:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/19 12:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/09/19 12:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/09/19 12:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/09/19 12:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/09/19 12:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/09/19 12:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/09/19 12:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/19 12:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/19 12:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/09/19 12:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/09/19 12:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/19 12:55	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/19 12:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/19 12:55	1
Acetone	ND		10	3.0	ug/L			05/09/19 12:55	1

Client Sample ID: FB-20190430 — Lab Sample ID: 480-152814-9

Date Collected: 04/30/19 09:45 **Matrix: Water**
Date Received: 05/02/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			05/09/19 12:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/19 12:55	1
Bromoform	ND		1.0	0.26	ug/L			05/09/19 12:55	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/19 12:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/09/19 12:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/19 12:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/19 12:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/19 12:55	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/19 12:55	1
Chloroform	ND		1.0	0.34	ug/L			05/09/19 12:55	1
Chloromethane	ND		1.0	0.35	ug/L			05/09/19 12:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/09/19 12:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/19 12:55	1
Cyclohexane	ND		1.0	0.18	ug/L			05/09/19 12:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/09/19 12:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/19 12:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/09/19 12:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/09/19 12:55	1
Methyl acetate	ND		2.5	1.3	ug/L			05/09/19 12:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/09/19 12:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/09/19 12:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/19 12:55	1
Styrene	ND		1.0	0.73	ug/L			05/09/19 12:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/09/19 12:55	1
Toluene	ND		1.0	0.51	ug/L			05/09/19 12:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/19 12:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/19 12:55	1
Trichloroethene	ND		1.0	0.46	ug/L			05/09/19 12:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/09/19 12:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/09/19 12:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/09/19 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/09/19 12:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/09/19 12:55*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*05/09/19 12:55*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*05/09/19 12:55*	*1*

Client Sample ID: DUP-20190430 — Lab Sample ID: 480-152814-10

Date Collected: 04/30/19 00:00 **Matrix: Water**
Date Received: 05/02/19 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	**45**		1.0	0.82	ug/L			05/09/19 13:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/19 13:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/19 13:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/09/19 13:18	1
1,1-Dichloroethane	**14**		1.0	0.38	ug/L			05/09/19 13:18	1
1,1-Dichloroethene	**1.6**		1.0	0.29	ug/L			05/09/19 13:18	1

Client Sample ID: DUP-20190430 Lab Sample ID: 480-152814-10

Date Collected: 04/30/19 00:00 **Matrix: Water**
Date Received: 05/02/19 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-Trichlorobenzene	ND		1.0	0.41	ug/L			05/09/19 13:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/09/19 13:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/09/19 13:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/19 13:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/19 13:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/09/19 13:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/09/19 13:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/19 13:18	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/19 13:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/19 13:18	1
Acetone	ND		10	3.0	ug/L			05/09/19 13:18	1
Benzene	ND		1.0	0.41	ug/L			05/09/19 13:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/19 13:18	1
Bromoform	ND		1.0	0.26	ug/L			05/09/19 13:18	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/19 13:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/09/19 13:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/19 13:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/19 13:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/19 13:18	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/19 13:18	1
Chloroform	ND		1.0	0.34	ug/L			05/09/19 13:18	1
Chloromethane	ND		1.0	0.35	ug/L			05/09/19 13:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/09/19 13:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/19 13:18	1
Cyclohexane	ND		1.0	0.18	ug/L			05/09/19 13:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/09/19 13:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/19 13:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/09/19 13:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/09/19 13:18	1
Methyl acetate	ND		2.5	1.3	ug/L			05/09/19 13:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/09/19 13:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/09/19 13:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/19 13:18	1
Styrene	ND		1.0	0.73	ug/L			05/09/19 13:18	1
Tetrachloroethene	**0.82**	**J**	1.0	0.36	ug/L			05/09/19 13:18	1
Toluene	ND		1.0	0.51	ug/L			05/09/19 13:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/19 13:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/19 13:18	1
Trichloroethene	**2.7**		1.0	0.46	ug/L			05/09/19 13:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/09/19 13:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/09/19 13:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/09/19 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/09/19 13:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*05/09/19 13:18*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*05/09/19 13:18*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*05/09/19 13:18*	*1*

Client Sample ID: LMW-03-20190430 Lab Sample ID: 480-152814-11

Date Collected: 04/30/19 10:25 **Matrix: Water**
Date Received: 05/02/19 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	**50**		1.0	0.82	ug/L			05/09/19 13:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/19 13:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/19 13:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/09/19 13:41	1
1,1-Dichloroethane	**16**		1.0	0.38	ug/L			05/09/19 13:41	1
1,1-Dichloroethene	**1.0**		1.0	0.29	ug/L			05/09/19 13:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/09/19 13:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/09/19 13:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/09/19 13:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/19 13:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/19 13:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/09/19 13:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/09/19 13:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/19 13:41	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/19 13:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/19 13:41	1
Acetone	ND		10	3.0	ug/L			05/09/19 13:41	1
Benzene	ND		1.0	0.41	ug/L			05/09/19 13:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/19 13:41	1
Bromoform	ND		1.0	0.26	ug/L			05/09/19 13:41	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/19 13:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/09/19 13:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/19 13:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/19 13:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/19 13:41	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/19 13:41	1
Chloroform	ND		1.0	0.34	ug/L			05/09/19 13:41	1
Chloromethane	ND		1.0	0.35	ug/L			05/09/19 13:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/09/19 13:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/19 13:41	1
Cyclohexane	ND		1.0	0.18	ug/L			05/09/19 13:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/09/19 13:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/19 13:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/09/19 13:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/09/19 13:41	1
Methyl acetate	ND		2.5	1.3	ug/L			05/09/19 13:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/09/19 13:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/09/19 13:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/19 13:41	1
Styrene	ND		1.0	0.73	ug/L			05/09/19 13:41	1
Tetrachloroethene	**1.0**		1.0	0.36	ug/L			05/09/19 13:41	1
Toluene	ND		1.0	0.51	ug/L			05/09/19 13:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/19 13:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/19 13:41	1
Trichloroethene	**2.9**		1.0	0.46	ug/L			05/09/19 13:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/09/19 13:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/09/19 13:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/09/19 13:41	1

Client Sample ID: LMW-03-20190430 Lab Sample ID: 480-152814-11

Date Collected: 04/30/19 10:25 **Matrix: Water**
Date Received: 05/02/19 01:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/09/19 13:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/09/19 13:41*	*1*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*05/09/19 13:41*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/09/19 13:41*	*1*

Client Sample ID: LMW-02-20190430 Lab Sample ID: 480-152814-12

Date Collected: 04/30/19 11:00 **Matrix: Water**
Date Received: 05/02/19 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			05/09/19 14:04	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			05/09/19 14:04	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			05/09/19 14:04	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			05/09/19 14:04	20
1,1-Dichloroethane	ND		20	7.6	ug/L			05/09/19 14:04	20
1,1-Dichloroethene	ND		20	5.8	ug/L			05/09/19 14:04	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			05/09/19 14:04	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			05/09/19 14:04	20
1,2-Dichlorobenzene	ND		20	16	ug/L			05/09/19 14:04	20
1,2-Dichloroethane	ND		20	4.2	ug/L			05/09/19 14:04	20
1,2-Dichloropropane	ND		20	14	ug/L			05/09/19 14:04	20
1,3-Dichlorobenzene	ND		20	16	ug/L			05/09/19 14:04	20
1,4-Dichlorobenzene	ND		20	17	ug/L			05/09/19 14:04	20
2-Butanone (MEK)	ND		200	26	ug/L			05/09/19 14:04	20
2-Hexanone	ND		100	25	ug/L			05/09/19 14:04	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			05/09/19 14:04	20
Acetone	ND		200	60	ug/L			05/09/19 14:04	20
Benzene	ND		20	8.2	ug/L			05/09/19 14:04	20
Bromodichloromethane	ND		20	7.8	ug/L			05/09/19 14:04	20
Bromoform	ND		20	5.2	ug/L			05/09/19 14:04	20
Bromomethane	ND		20	14	ug/L			05/09/19 14:04	20
Carbon disulfide	ND		20	3.8	ug/L			05/09/19 14:04	20
Carbon tetrachloride	ND		20	5.4	ug/L			05/09/19 14:04	20
Chlorobenzene	ND		20	15	ug/L			05/09/19 14:04	20
Dibromochloromethane	ND		20	6.4	ug/L			05/09/19 14:04	20
Chloroethane	ND		20	6.4	ug/L			05/09/19 14:04	20
Chloroform	ND		20	6.8	ug/L			05/09/19 14:04	20
Chloromethane	ND		20	7.0	ug/L			05/09/19 14:04	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			05/09/19 14:04	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			05/09/19 14:04	20
Cyclohexane	ND		20	3.6	ug/L			05/09/19 14:04	20
Dichlorodifluoromethane	ND		20	14	ug/L			05/09/19 14:04	20
Ethylbenzene	ND		20	15	ug/L			05/09/19 14:04	20
1,2-Dibromoethane	ND		20	15	ug/L			05/09/19 14:04	20
Isopropylbenzene	ND		20	16	ug/L			05/09/19 14:04	20
Methyl acetate	ND		50	26	ug/L			05/09/19 14:04	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			05/09/19 14:04	20
Methylcyclohexane	ND		20	3.2	ug/L			05/09/19 14:04	20
Methylene Chloride	ND		20	8.8	ug/L			05/09/19 14:04	20

Client Sample ID: LMW-02-20190430 — Lab Sample ID: 480-152814-12

Date Collected: 04/30/19 11:00 — **Matrix: Water**
Date Received: 05/02/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		20	15	ug/L			05/09/19 14:04	20
Tetrachloroethene	ND		20	7.2	ug/L			05/09/19 14:04	20
Toluene	ND		20	10	ug/L			05/09/19 14:04	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			05/09/19 14:04	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			05/09/19 14:04	20
Trichloroethene	ND		20	9.2	ug/L			05/09/19 14:04	20
Trichlorofluoromethane	ND		20	18	ug/L			05/09/19 14:04	20
Vinyl chloride	ND		20	18	ug/L			05/09/19 14:04	20
Xylenes, Total	ND		40	13	ug/L			05/09/19 14:04	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/09/19 14:04*	*20*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*05/09/19 14:04*	*20*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*05/09/19 14:04*	*20*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*05/09/19 14:04*	*20*

Client Sample ID: LMW-11-20190430 — Lab Sample ID: 480-152814-13

Date Collected: 04/30/19 11:30 — **Matrix: Water**
Date Received: 05/02/19 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		2.0	1.6	ug/L			05/09/19 14:28	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			05/09/19 14:28	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			05/09/19 14:28	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			05/09/19 14:28	2
1,1-Dichloroethane	**2.8**		2.0	0.76	ug/L			05/09/19 14:28	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			05/09/19 14:28	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			05/09/19 14:28	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			05/09/19 14:28	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			05/09/19 14:28	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			05/09/19 14:28	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			05/09/19 14:28	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			05/09/19 14:28	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			05/09/19 14:28	2
2-Butanone (MEK)	ND		20	2.6	ug/L			05/09/19 14:28	2
2-Hexanone	ND		10	2.5	ug/L			05/09/19 14:28	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			05/09/19 14:28	2
Acetone	ND		20	6.0	ug/L			05/09/19 14:28	2
Benzene	ND		2.0	0.82	ug/L			05/09/19 14:28	2
Bromodichloromethane	ND		2.0	0.78	ug/L			05/09/19 14:28	2
Bromoform	ND		2.0	0.52	ug/L			05/09/19 14:28	2
Bromomethane	ND		2.0	1.4	ug/L			05/09/19 14:28	2
Carbon disulfide	ND		2.0	0.38	ug/L			05/09/19 14:28	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			05/09/19 14:28	2
Chlorobenzene	ND		2.0	1.5	ug/L			05/09/19 14:28	2
Dibromochloromethane	ND		2.0	0.64	ug/L			05/09/19 14:28	2
Chloroethane	**3.4**		2.0	0.64	ug/L			05/09/19 14:28	2
Chloroform	ND		2.0	0.68	ug/L			05/09/19 14:28	2
Chloromethane	ND		2.0	0.70	ug/L			05/09/19 14:28	2

Client Sample ID: LMW-11-20190430 Lab Sample ID: 480-152814-13

Date Collected: 04/30/19 11:30 **Matrix: Water**
Date Received: 05/02/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			05/09/19 14:28	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			05/09/19 14:28	2
Cyclohexane	ND		2.0	0.36	ug/L			05/09/19 14:28	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			05/09/19 14:28	2
Ethylbenzene	ND		2.0	1.5	ug/L			05/09/19 14:28	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			05/09/19 14:28	2
Isopropylbenzene	ND		2.0	1.6	ug/L			05/09/19 14:28	2
Methyl acetate	ND		5.0	2.6	ug/L			05/09/19 14:28	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			05/09/19 14:28	2
Methylcyclohexane	ND		2.0	0.32	ug/L			05/09/19 14:28	2
Methylene Chloride	ND		2.0	0.88	ug/L			05/09/19 14:28	2
Styrene	ND		2.0	1.5	ug/L			05/09/19 14:28	2
Tetrachloroethene	ND		2.0	0.72	ug/L			05/09/19 14:28	2
Toluene	ND		2.0	1.0	ug/L			05/09/19 14:28	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			05/09/19 14:28	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			05/09/19 14:28	2
Trichloroethene	ND		2.0	0.92	ug/L			05/09/19 14:28	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			05/09/19 14:28	2
Vinyl chloride	ND		2.0	1.8	ug/L			05/09/19 14:28	2
Xylenes, Total	ND		4.0	1.3	ug/L			05/09/19 14:28	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/09/19 14:28*	*2*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/09/19 14:28*	*2*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*05/09/19 14:28*	*2*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*05/09/19 14:28*	*2*

Client Sample ID: LMW-12-20190430 Lab Sample ID: 480-152814-14

Date Collected: 04/30/19 12:00 **Matrix: Water**
Date Received: 05/02/19 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		2.0	1.6	ug/L			05/09/19 14:51	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			05/09/19 14:51	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			05/09/19 14:51	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			05/09/19 14:51	2
1,1-Dichloroethane	**3.0**		2.0	0.76	ug/L			05/09/19 14:51	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			05/09/19 14:51	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			05/09/19 14:51	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			05/09/19 14:51	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			05/09/19 14:51	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			05/09/19 14:51	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			05/09/19 14:51	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			05/09/19 14:51	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			05/09/19 14:51	2
2-Butanone (MEK)	ND		20	2.6	ug/L			05/09/19 14:51	2
2-Hexanone	ND		10	2.5	ug/L			05/09/19 14:51	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			05/09/19 14:51	2
Acetone	ND		20	6.0	ug/L			05/09/19 14:51	2

Client Sample ID: LMW-12-20190430 Lab Sample ID: 480-152814-14

Date Collected: 04/30/19 12:00 **Matrix: Water**
Date Received: 05/02/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.82	ug/L			05/09/19 14:51	2
Bromodichloromethane	ND		2.0	0.78	ug/L			05/09/19 14:51	2
Bromoform	ND		2.0	0.52	ug/L			05/09/19 14:51	2
Bromomethane	ND		2.0	1.4	ug/L			05/09/19 14:51	2
Carbon disulfide	ND		2.0	0.38	ug/L			05/09/19 14:51	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			05/09/19 14:51	2
Chlorobenzene	ND		2.0	1.5	ug/L			05/09/19 14:51	2
Dibromochloromethane	ND		2.0	0.64	ug/L			05/09/19 14:51	2
Chloroethane	ND		2.0	0.64	ug/L			05/09/19 14:51	2
Chloroform	ND		2.0	0.68	ug/L			05/09/19 14:51	2
Chloromethane	ND		2.0	0.70	ug/L			05/09/19 14:51	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			05/09/19 14:51	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			05/09/19 14:51	2
Cyclohexane	ND		2.0	0.36	ug/L			05/09/19 14:51	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			05/09/19 14:51	2
Ethylbenzene	ND		2.0	1.5	ug/L			05/09/19 14:51	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			05/09/19 14:51	2
Isopropylbenzene	ND		2.0	1.6	ug/L			05/09/19 14:51	2
Methyl acetate	ND		5.0	2.6	ug/L			05/09/19 14:51	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			05/09/19 14:51	2
Methylcyclohexane	ND		2.0	0.32	ug/L			05/09/19 14:51	2
Methylene Chloride	ND		2.0	0.88	ug/L			05/09/19 14:51	2
Styrene	ND		2.0	1.5	ug/L			05/09/19 14:51	2
Tetrachloroethene	ND		2.0	0.72	ug/L			05/09/19 14:51	2
Toluene	ND		2.0	1.0	ug/L			05/09/19 14:51	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			05/09/19 14:51	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			05/09/19 14:51	2
Trichloroethene	ND		2.0	0.92	ug/L			05/09/19 14:51	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			05/09/19 14:51	2
Vinyl chloride	ND		2.0	1.8	ug/L			05/09/19 14:51	2
Xylenes, Total	ND		4.0	1.3	ug/L			05/09/19 14:51	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/09/19 14:51*	*2*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/09/19 14:51*	*2*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*05/09/19 14:51*	*2*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*05/09/19 14:51*	*2*

Client Sample ID: LMW-01-20190430 Lab Sample ID: 480-152814-15

Date Collected: 04/30/19 12:30 **Matrix: Water**
Date Received: 05/02/19 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	**49**		2.0	1.6	ug/L			05/09/19 15:14	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			05/09/19 15:14	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			05/09/19 15:14	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			05/09/19 15:14	2
1,1-Dichloroethane	**5.1**		2.0	0.76	ug/L			05/09/19 15:14	2
1,1-Dichloroethene	**1.0**	**J**	2.0	0.58	ug/L			05/09/19 15:14	2

Client Sample ID: LMW-01-20190430 Lab Sample ID: 480-152814-15

Date Collected: 04/30/19 12:30 **Matrix: Water**
Date Received: 05/02/19 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-Trichlorobenzene	ND		2.0	0.82	ug/L			05/09/19 15:14	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			05/09/19 15:14	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			05/09/19 15:14	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			05/09/19 15:14	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			05/09/19 15:14	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			05/09/19 15:14	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			05/09/19 15:14	2
2-Butanone (MEK)	ND		20	2.6	ug/L			05/09/19 15:14	2
2-Hexanone	ND		10	2.5	ug/L			05/09/19 15:14	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			05/09/19 15:14	2
Acetone	ND		20	6.0	ug/L			05/09/19 15:14	2
Benzene	ND		2.0	0.82	ug/L			05/09/19 15:14	2
Bromodichloromethane	ND		2.0	0.78	ug/L			05/09/19 15:14	2
Bromoform	ND		2.0	0.52	ug/L			05/09/19 15:14	2
Bromomethane	ND		2.0	1.4	ug/L			05/09/19 15:14	2
Carbon disulfide	ND		2.0	0.38	ug/L			05/09/19 15:14	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			05/09/19 15:14	2
Chlorobenzene	ND		2.0	1.5	ug/L			05/09/19 15:14	2
Dibromochloromethane	ND		2.0	0.64	ug/L			05/09/19 15:14	2
Chloroethane	ND		2.0	0.64	ug/L			05/09/19 15:14	2
Chloroform	ND		2.0	0.68	ug/L			05/09/19 15:14	2
Chloromethane	ND		2.0	0.70	ug/L			05/09/19 15:14	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			05/09/19 15:14	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			05/09/19 15:14	2
Cyclohexane	ND		2.0	0.36	ug/L			05/09/19 15:14	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			05/09/19 15:14	2
Ethylbenzene	ND		2.0	1.5	ug/L			05/09/19 15:14	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			05/09/19 15:14	2
Isopropylbenzene	ND		2.0	1.6	ug/L			05/09/19 15:14	2
Methyl acetate	ND		5.0	2.6	ug/L			05/09/19 15:14	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			05/09/19 15:14	2
Methylcyclohexane	ND		2.0	0.32	ug/L			05/09/19 15:14	2
Methylene Chloride	ND		2.0	0.88	ug/L			05/09/19 15:14	2
Styrene	ND		2.0	1.5	ug/L			05/09/19 15:14	2
Tetrachloroethene	ND		2.0	0.72	ug/L			05/09/19 15:14	2
Toluene	ND		2.0	1.0	ug/L			05/09/19 15:14	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			05/09/19 15:14	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			05/09/19 15:14	2
Trichloroethene	ND		2.0	0.92	ug/L			05/09/19 15:14	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			05/09/19 15:14	2
Vinyl chloride	ND		2.0	1.8	ug/L			05/09/19 15:14	2
Xylenes, Total	ND		4.0	1.3	ug/L			05/09/19 15:14	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/09/19 15:14*	*2*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*05/09/19 15:14*	*2*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*05/09/19 15:14*	*2*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*05/09/19 15:14*	*2*

Client Sample ID: LMW-05-20190430 Lab Sample ID: 480-152814-16

Date Collected: 04/30/19 13:05 **Matrix: Water**
Date Received: 05/02/19 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			05/09/19 15:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/19 15:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/19 15:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/09/19 15:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/09/19 15:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/09/19 15:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/09/19 15:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/09/19 15:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/09/19 15:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/19 15:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/19 15:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/09/19 15:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/09/19 15:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/19 15:37	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/19 15:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/19 15:37	1
Acetone	ND		10	3.0	ug/L			05/09/19 15:37	1
Benzene	ND		1.0	0.41	ug/L			05/09/19 15:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/19 15:37	1
Bromoform	ND		1.0	0.26	ug/L			05/09/19 15:37	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/19 15:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/09/19 15:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/19 15:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/19 15:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/19 15:37	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/19 15:37	1
Chloroform	ND		1.0	0.34	ug/L			05/09/19 15:37	1
Chloromethane	ND		1.0	0.35	ug/L			05/09/19 15:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/09/19 15:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/19 15:37	1
Cyclohexane	ND		1.0	0.18	ug/L			05/09/19 15:37	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/09/19 15:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/19 15:37	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/09/19 15:37	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/09/19 15:37	1
Methyl acetate	ND		2.5	1.3	ug/L			05/09/19 15:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/09/19 15:37	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/09/19 15:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/19 15:37	1
Styrene	ND		1.0	0.73	ug/L			05/09/19 15:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/09/19 15:37	1
Toluene	ND		1.0	0.51	ug/L			05/09/19 15:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/19 15:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/19 15:37	1
Trichloroethene	ND		1.0	0.46	ug/L			05/09/19 15:37	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/09/19 15:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/09/19 15:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/09/19 15:37	1

Client Sample ID: LMW-05-20190430 Lab Sample ID: 480-152814-16

Date Collected: 04/30/19 13:05 **Matrix: Water**
Date Received: 05/02/19 01:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/09/19 15:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*05/09/19 15:37*	*1*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*05/09/19 15:37*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/09/19 15:37*	*1*

Client Sample ID: Trip Blank Lab Sample ID: 480-152814-17

Date Collected: 04/29/19 00:00 **Matrix: Water**
Date Received: 05/02/19 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			05/08/19 18:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/08/19 18:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/08/19 18:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/08/19 18:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/08/19 18:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/08/19 18:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/08/19 18:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/08/19 18:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/08/19 18:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/08/19 18:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/08/19 18:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/08/19 18:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/08/19 18:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/08/19 18:25	1
2-Hexanone	ND		5.0	1.2	ug/L			05/08/19 18:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/08/19 18:25	1
Acetone	ND		10	3.0	ug/L			05/08/19 18:25	1
Benzene	ND		1.0	0.41	ug/L			05/08/19 18:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/08/19 18:25	1
Bromoform	ND	*	1.0	0.26	ug/L			05/08/19 18:25	1
Bromomethane	ND		1.0	0.69	ug/L			05/08/19 18:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/08/19 18:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/08/19 18:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/08/19 18:25	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			05/08/19 18:25	1
Chloroethane	ND		1.0	0.32	ug/L			05/08/19 18:25	1
Chloroform	ND		1.0	0.34	ug/L			05/08/19 18:25	1
Chloromethane	ND		1.0	0.35	ug/L			05/08/19 18:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/08/19 18:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/08/19 18:25	1
Cyclohexane	ND		1.0	0.18	ug/L			05/08/19 18:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/08/19 18:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/08/19 18:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/08/19 18:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/08/19 18:25	1
Methyl acetate	ND		2.5	1.3	ug/L			05/08/19 18:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/08/19 18:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/08/19 18:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/08/19 18:25	1

Client Sample ID: Trip Blank
Lab Sample ID: 480-152814-17

Date Collected: 04/29/19 00:00
Matrix: Water
Date Received: 05/02/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			05/08/19 18:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/08/19 18:25	1
Toluene	ND		1.0	0.51	ug/L			05/08/19 18:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/08/19 18:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/08/19 18:25	1
Trichloroethene	ND		1.0	0.46	ug/L			05/08/19 18:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/08/19 18:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/08/19 18:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/08/19 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/08/19 18:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*05/08/19 18:25*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*05/08/19 18:25*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*05/08/19 18:25*	*1*

Surrogate Summary

Client: CDM Smith, Inc. Job ID: 480-152814-1
Project/Site: Lubricant Packaging Corp Middletown NY

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-152814-1	LMW-08-20190429	104	106	112	102
480-152814-2	LMW-14-20190429	102	103	115	102
480-152814-2 MS	LMW-14MS-20190429	97	108	112	103
480-152814-2 MSD	LMW-14-MSD20190429	101	118	112	105
480-152814-3	LMW-13-20190429	94	105	112	112
480-152814-4	MW-09-20190429	94	102	88	97
480-152814-5	MW-209-20190429	98	107	109	101
480-152814-6	MW-206-20190429	103	119	116	112
480-152814-7	LMW-04-20190429	99	122 X	111	110
480-152814-8	MW-06-20190429	97	111	109	111
480-152814-9	FB-20190430	93	102	88	95
480-152814-10	DUP-20190430	93	98	92	93
480-152814-11	LMW-03-20190430	98	102	86	100
480-152814-12	LMW-02-20190430	96	100	82	97
480-152814-12 MS	LMW-02-20190430	99	94	93	89
480-152814-12 MSD	LMW-02-20190430	101	93	92	89
480-152814-13	LMW-11-20190430	93	102	86	99
480-152814-14	LMW-12-20190430	94	102	89	96
480-152814-15	LMW-01-20190430	95	104	86	99
480-152814-16	LMW-05-20190430	95	106	83	100
480-152814-17	Trip Blank	97	103	112	104
LCS 480-471764/5	Lab Control Sample	100	104	109	95
LCS 480-471924/5	Lab Control Sample	98	94	90	87
LCS 480-471956/5	Lab Control Sample	99	95	92	87
MB 480-471764/7	Method Blank	96	104	107	104
MB 480-471924/7	Method Blank	94	104	87	95
MB 480-471956/7	Method Blank	98	98	92	93

Surrogate Legend

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

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

Lab Sample ID: MB 480-471764/7
Matrix: Water
Analysis Batch: 471764

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			05/08/19 11:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/08/19 11:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/08/19 11:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/08/19 11:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/08/19 11:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/08/19 11:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/08/19 11:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/08/19 11:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/08/19 11:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/08/19 11:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/08/19 11:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/08/19 11:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/08/19 11:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/08/19 11:03	1
2-Hexanone	ND		5.0	1.2	ug/L			05/08/19 11:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/08/19 11:03	1
Acetone	ND		10	3.0	ug/L			05/08/19 11:03	1
Benzene	ND		1.0	0.41	ug/L			05/08/19 11:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/08/19 11:03	1
Bromoform	ND		1.0	0.26	ug/L			05/08/19 11:03	1
Bromomethane	ND		1.0	0.69	ug/L			05/08/19 11:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/08/19 11:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/08/19 11:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/08/19 11:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/08/19 11:03	1
Chloroethane	ND		1.0	0.32	ug/L			05/08/19 11:03	1
Chloroform	ND		1.0	0.34	ug/L			05/08/19 11:03	1
Chloromethane	ND		1.0	0.35	ug/L			05/08/19 11:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/08/19 11:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/08/19 11:03	1
Cyclohexane	ND		1.0	0.18	ug/L			05/08/19 11:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/08/19 11:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/08/19 11:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/08/19 11:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/08/19 11:03	1
Methyl acetate	ND		2.5	1.3	ug/L			05/08/19 11:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/08/19 11:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/08/19 11:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/08/19 11:03	1
Styrene	ND		1.0	0.73	ug/L			05/08/19 11:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/08/19 11:03	1
Toluene	ND		1.0	0.51	ug/L			05/08/19 11:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/08/19 11:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/08/19 11:03	1
Trichloroethene	ND		1.0	0.46	ug/L			05/08/19 11:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/08/19 11:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/08/19 11:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/08/19 11:03	1

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

Lab Sample ID: MB 480-471764/7 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471764

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/08/19 11:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*05/08/19 11:03*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*05/08/19 11:03*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*05/08/19 11:03*	*1*

Lab Sample ID: LCS 480-471764/5 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471764

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	29.1		ug/L		116	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.1		ug/L		100	76 - 120
1,1,2-Trichloroethane	25.0	25.8		ug/L		103	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.0		ug/L		100	61 - 148
1,1-Dichloroethane	25.0	26.7		ug/L		107	77 - 120
1,1-Dichloroethene	25.0	23.2		ug/L		93	66 - 127
1,2,4-Trichlorobenzene	25.0	26.0		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.0		ug/L		96	56 - 134
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	26.2		ug/L		105	75 - 120
1,2-Dichloropropane	25.0	27.1		ug/L		108	76 - 120
1,3-Dichlorobenzene	25.0	26.3		ug/L		105	77 - 120
1,4-Dichlorobenzene	25.0	26.3		ug/L		105	80 - 120
2-Butanone (MEK)	125	124		ug/L		99	57 - 140
2-Hexanone	125	144		ug/L		115	65 - 127
4-Methyl-2-pentanone (MIBK)	125	135		ug/L		108	71 - 125
Acetone	125	125		ug/L		100	56 - 142
Benzene	25.0	25.2		ug/L		101	71 - 124
Bromodichloromethane	25.0	27.0		ug/L		108	80 - 122
Bromoform	25.0	41.1	*	ug/L		164	61 - 132
Bromomethane	25.0	24.7		ug/L		99	55 - 144
Carbon disulfide	25.0	25.3		ug/L		101	59 - 134
Carbon tetrachloride	25.0	31.5		ug/L		126	72 - 134
Chlorobenzene	25.0	25.5		ug/L		102	80 - 120
Dibromochloromethane	25.0	34.9	*	ug/L		139	75 - 125
Chloroethane	25.0	30.7		ug/L		123	69 - 136
Chloroform	25.0	27.4		ug/L		110	73 - 127
Chloromethane	25.0	28.3		ug/L		113	68 - 124
cis-1,2-Dichloroethene	25.0	23.6		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	29.2		ug/L		117	74 - 124
Cyclohexane	25.0	29.7		ug/L		119	59 - 135
Dichlorodifluoromethane	25.0	27.7		ug/L		111	59 - 135
Ethylbenzene	25.0	27.0		ug/L		108	77 - 123
1,2-Dibromoethane	25.0	25.1		ug/L		101	77 - 120
Isopropylbenzene	25.0	25.8		ug/L		103	77 - 122
Methyl acetate	50.0	44.5		ug/L		89	74 - 133
Methyl tert-butyl ether	25.0	23.0		ug/L		92	77 - 120
Methylcyclohexane	25.0	27.7		ug/L		111	68 - 134

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

Lab Sample ID: LCS 480-471764/5 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471764

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	22.9		ug/L		92	75 - 124
Styrene	25.0	27.2		ug/L		109	80 - 120
Tetrachloroethene	25.0	30.3		ug/L		121	74 - 122
Toluene	25.0	27.8		ug/L		111	80 - 122
trans-1,2-Dichloroethene	25.0	23.4		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	26.7		ug/L		107	80 - 120
Trichloroethene	25.0	26.2		ug/L		105	74 - 123
Trichlorofluoromethane	25.0	23.4		ug/L		93	62 - 150
Vinyl chloride	25.0	26.0		ug/L		104	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*75 - 123*

Lab Sample ID: 480-152814-2 MS **Client Sample ID: LMW-14MS-20190429**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471764

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		25.0	31.0		ug/L		124	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	24.7		ug/L		99	76 - 120
1,1,2-Trichloroethane	ND		25.0	25.5		ug/L		102	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	26.5		ug/L		106	61 - 148
1,1-Dichloroethane	ND		25.0	28.1		ug/L		112	77 - 120
1,1-Dichloroethene	ND		25.0	23.5		ug/L		94	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	25.8		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	25.1		ug/L		101	56 - 134
1,2-Dichlorobenzene	ND		25.0	26.7		ug/L		107	80 - 124
1,2-Dichloroethane	ND		25.0	26.3		ug/L		105	75 - 120
1,2-Dichloropropane	ND	F1	25.0	31.2	F1	ug/L		125	76 - 120
1,3-Dichlorobenzene	ND		25.0	25.2		ug/L		101	77 - 120
1,4-Dichlorobenzene	ND		25.0	26.0		ug/L		104	78 - 124
2-Butanone (MEK)	ND		125	130		ug/L		104	57 - 140
2-Hexanone	ND		125	149		ug/L		119	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	142		ug/L		114	71 - 125
Acetone	ND		125	111		ug/L		88	56 - 142
Benzene	ND		25.0	26.7		ug/L		107	71 - 124
Bromodichloromethane	ND		25.0	28.5		ug/L		114	80 - 122
Bromoform	ND	* F1	25.0	35.9	F1	ug/L		144	61 - 132
Bromomethane	ND		25.0	27.6		ug/L		110	55 - 144
Carbon disulfide	ND		25.0	26.0		ug/L		104	59 - 134
Carbon tetrachloride	ND	F1	25.0	35.4	F1	ug/L		141	72 - 134
Chlorobenzene	ND		25.0	25.7		ug/L		103	80 - 120
Dibromochloromethane	ND	* F1	25.0	34.9	F1	ug/L		139	75 - 125
Chloroethane	ND	F1	25.0	31.8		ug/L		127	69 - 136
Chloroform	ND		25.0	28.9		ug/L		116	73 - 127

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

Lab Sample ID: 480-152814-2 MS **Client Sample ID: LMW-14MS-20190429**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471764

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND	F1	25.0	32.4	F1	ug/L		130	68 - 124
cis-1,2-Dichloroethene	ND		25.0	25.5		ug/L		102	74 - 124
cis-1,3-Dichloropropene	ND		25.0	28.8		ug/L		115	74 - 124
Cyclohexane	ND		25.0	30.2		ug/L		121	59 - 135
Dichlorodifluoromethane	ND		25.0	29.4		ug/L		118	59 - 135
Ethylbenzene	ND		25.0	27.5		ug/L		110	77 - 123
1,2-Dibromoethane	ND		25.0	24.6		ug/L		98	77 - 120
Isopropylbenzene	ND		25.0	26.3		ug/L		105	77 - 122
Methyl acetate	ND		50.0	45.6		ug/L		91	74 - 133
Methyl tert-butyl ether	ND		25.0	23.7		ug/L		95	77 - 120
Methylcyclohexane	ND		25.0	28.9		ug/L		116	68 - 134
Methylene Chloride	ND		25.0	24.0		ug/L		96	75 - 124
Styrene	ND		25.0	26.6		ug/L		106	80 - 120
Tetrachloroethene	ND	F1	25.0	32.4	F1	ug/L		130	74 - 122
Toluene	ND		25.0	26.1		ug/L		105	80 - 122
trans-1,2-Dichloroethene	ND		25.0	24.9		ug/L		100	73 - 127
trans-1,3-Dichloropropene	ND		25.0	26.5		ug/L		106	80 - 120
Trichloroethene	ND		25.0	26.0		ug/L		104	74 - 123
Trichlorofluoromethane	ND		25.0	27.3		ug/L		109	62 - 150
Vinyl chloride	ND		25.0	29.0		ug/L		116	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Lab Sample ID: 480-152814-2 MSD **Client Sample ID: LMW-14-MSD20190429**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471764

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	30.5		ug/L		122	73 - 126	2	15
1,1,2,2-Tetrachloroethane	ND		25.0	24.5		ug/L		98	76 - 120	1	15
1,1,2-Trichloroethane	ND		25.0	27.2		ug/L		109	76 - 122	7	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	26.8		ug/L		107	61 - 148	1	20
1,1-Dichloroethane	ND		25.0	28.5		ug/L		114	77 - 120	2	20
1,1-Dichloroethene	ND		25.0	24.1		ug/L		96	66 - 127	2	16
1,2,4-Trichlorobenzene	ND		25.0	23.6		ug/L		95	79 - 122	9	20
1,2-Dibromo-3-Chloropropane	ND		25.0	24.2		ug/L		97	56 - 134	4	15
1,2-Dichlorobenzene	ND		25.0	24.5		ug/L		98	80 - 124	9	20
1,2-Dichloroethane	ND		25.0	27.5		ug/L		110	75 - 120	5	20
1,2-Dichloropropane	ND	F1	25.0	29.8		ug/L		119	76 - 120	5	20
1,3-Dichlorobenzene	ND		25.0	24.1		ug/L		96	77 - 120	5	20
1,4-Dichlorobenzene	ND		25.0	23.8		ug/L		95	78 - 124	9	20
2-Butanone (MEK)	ND		125	134		ug/L		107	57 - 140	3	20
2-Hexanone	ND		125	143		ug/L		115	65 - 127	4	15
4-Methyl-2-pentanone (MIBK)	ND		125	142		ug/L		113	71 - 125	0	35

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

Lab Sample ID: 480-152814-2 MSD **Client Sample ID: LMW-14-MSD20190429**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471764

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		125	122		ug/L		98	56 - 142	10	15
Benzene	ND		25.0	27.2		ug/L		109	71 - 124	2	13
Bromodichloromethane	ND		25.0	29.6		ug/L		118	80 - 122	4	15
Bromoform	ND	* F1	25.0	36.4	F1	ug/L		145	61 - 132	1	15
Bromomethane	ND		25.0	28.0		ug/L		112	55 - 144	1	15
Carbon disulfide	ND		25.0	24.9		ug/L		100	59 - 134	4	15
Carbon tetrachloride	ND	F1	25.0	35.8	F1	ug/L		143	72 - 134	1	15
Chlorobenzene	ND		25.0	24.6		ug/L		98	80 - 120	4	25
Dibromochloromethane	ND	* F1	25.0	32.5	F1	ug/L		130	75 - 125	7	15
Chloroethane	ND	F1	25.0	34.2	F1	ug/L		137	69 - 136	7	15
Chloroform	ND		25.0	28.1		ug/L		113	73 - 127	3	20
Chloromethane	ND	F1	25.0	30.5		ug/L		122	68 - 124	6	15
cis-1,2-Dichloroethene	ND		25.0	25.2		ug/L		101	74 - 124	1	15
cis-1,3-Dichloropropene	ND		25.0	26.9		ug/L		108	74 - 124	7	15
Cyclohexane	ND		25.0	28.3		ug/L		113	59 - 135	6	20
Dichlorodifluoromethane	ND		25.0	27.3		ug/L		109	59 - 135	8	20
Ethylbenzene	ND		25.0	27.3		ug/L		109	77 - 123	1	15
1,2-Dibromoethane	ND		25.0	24.8		ug/L		99	77 - 120	1	15
Isopropylbenzene	ND		25.0	24.4		ug/L		98	77 - 122	8	20
Methyl acetate	ND		50.0	48.7		ug/L		97	74 - 133	7	20
Methyl tert-butyl ether	ND		25.0	24.4		ug/L		98	77 - 120	3	37
Methylcyclohexane	ND		25.0	27.5		ug/L		110	68 - 134	5	20
Methylene Chloride	ND		25.0	24.5		ug/L		98	75 - 124	2	15
Styrene	ND		25.0	26.0		ug/L		104	80 - 120	2	20
Tetrachloroethene	ND	F1	25.0	30.2		ug/L		121	74 - 122	7	20
Toluene	ND		25.0	26.5		ug/L		106	80 - 122	1	15
trans-1,2-Dichloroethene	ND		25.0	26.2		ug/L		105	73 - 127	5	20
trans-1,3-Dichloropropene	ND		25.0	25.3		ug/L		101	80 - 120	5	15
Trichloroethene	ND		25.0	25.8		ug/L		103	74 - 123	1	16
Trichlorofluoromethane	ND		25.0	26.6		ug/L		106	62 - 150	3	20
Vinyl chloride	ND		25.0	30.8		ug/L		123	65 - 133	6	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*118*		*77 - 120*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*

Lab Sample ID: MB 480-471924/7 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471924

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/08/19 21:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/08/19 21:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/08/19 21:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/08/19 21:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/08/19 21:22	1

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

Lab Sample ID: MB 480-471924/7 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471924

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/08/19 21:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/08/19 21:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/08/19 21:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/08/19 21:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/08/19 21:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/08/19 21:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/08/19 21:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/08/19 21:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/08/19 21:22	1
2-Hexanone	ND		5.0	1.2	ug/L			05/08/19 21:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/08/19 21:22	1
Acetone	ND		10	3.0	ug/L			05/08/19 21:22	1
Benzene	ND		1.0	0.41	ug/L			05/08/19 21:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/08/19 21:22	1
Bromoform	ND		1.0	0.26	ug/L			05/08/19 21:22	1
Bromomethane	ND		1.0	0.69	ug/L			05/08/19 21:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/08/19 21:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/08/19 21:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/08/19 21:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/08/19 21:22	1
Chloroethane	ND		1.0	0.32	ug/L			05/08/19 21:22	1
Chloroform	ND		1.0	0.34	ug/L			05/08/19 21:22	1
Chloromethane	ND		1.0	0.35	ug/L			05/08/19 21:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/08/19 21:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/08/19 21:22	1
Cyclohexane	ND		1.0	0.18	ug/L			05/08/19 21:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/08/19 21:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/08/19 21:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/08/19 21:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/08/19 21:22	1
Methyl acetate	ND		2.5	1.3	ug/L			05/08/19 21:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/08/19 21:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/08/19 21:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/08/19 21:22	1
Styrene	ND		1.0	0.73	ug/L			05/08/19 21:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/08/19 21:22	1
Toluene	ND		1.0	0.51	ug/L			05/08/19 21:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/08/19 21:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/08/19 21:22	1
Trichloroethene	ND		1.0	0.46	ug/L			05/08/19 21:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/08/19 21:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/08/19 21:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/08/19 21:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/08/19 21:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*05/08/19 21:22*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*05/08/19 21:22*	*1*

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

Lab Sample ID: MB 480-471924/7 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471924

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*05/08/19 21:22*	*1*

Lab Sample ID: LCS 480-471924/5 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471924

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.0		ug/L		92	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.3		ug/L		101	76 - 120
1,1,2-Trichloroethane	25.0	25.6		ug/L		103	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.9		ug/L		104	61 - 148
1,1-Dichloroethane	25.0	23.4		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	24.2		ug/L		97	66 - 127
1,2,4-Trichlorobenzene	25.0	21.5		ug/L		86	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.4		ug/L		89	56 - 134
1,2-Dichlorobenzene	25.0	23.1		ug/L		92	80 - 124
1,2-Dichloroethane	25.0	21.1		ug/L		84	75 - 120
1,2-Dichloropropane	25.0	26.4		ug/L		106	76 - 120
1,3-Dichlorobenzene	25.0	24.4		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	23.7		ug/L		95	80 - 120
2-Butanone (MEK)	125	117		ug/L		94	57 - 140
2-Hexanone	125	126		ug/L		101	65 - 127
4-Methyl-2-pentanone (MIBK)	125	114		ug/L		91	71 - 125
Acetone	125	119		ug/L		95	56 - 142
Benzene	25.0	24.8		ug/L		99	71 - 124
Bromodichloromethane	25.0	24.6		ug/L		98	80 - 122
Bromoform	25.0	24.5		ug/L		98	61 - 132
Bromomethane	25.0	25.5		ug/L		102	55 - 144
Carbon disulfide	25.0	24.7		ug/L		99	59 - 134
Carbon tetrachloride	25.0	24.3		ug/L		97	72 - 134
Chlorobenzene	25.0	24.0		ug/L		96	80 - 120
Dibromochloromethane	25.0	25.2		ug/L		101	75 - 125
Chloroethane	25.0	26.8		ug/L		107	69 - 136
Chloroform	25.0	21.8		ug/L		87	73 - 127
Chloromethane	25.0	29.3		ug/L		117	68 - 124
cis-1,2-Dichloroethene	25.0	21.8		ug/L		87	74 - 124
cis-1,3-Dichloropropene	25.0	26.7		ug/L		107	74 - 124
Cyclohexane	25.0	26.2		ug/L		105	59 - 135
Dichlorodifluoromethane	25.0	32.3		ug/L		129	59 - 135
Ethylbenzene	25.0	23.8		ug/L		95	77 - 123
1,2-Dibromoethane	25.0	24.1		ug/L		97	77 - 120
Isopropylbenzene	25.0	24.1		ug/L		96	77 - 122
Methyl acetate	50.0	43.0		ug/L		86	74 - 133
Methyl tert-butyl ether	25.0	20.4		ug/L		82	77 - 120
Methylcyclohexane	25.0	25.1		ug/L		101	68 - 134
Methylene Chloride	25.0	24.1		ug/L		96	75 - 124
Styrene	25.0	23.6		ug/L		94	80 - 120
Tetrachloroethene	25.0	23.0		ug/L		92	74 - 122

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

Lab Sample ID: LCS 480-471924/5 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471924

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Toluene			25.0	24.5		ug/L		98	80 - 122		
trans-1,2-Dichloroethene			25.0	22.4		ug/L		89	73 - 127		
trans-1,3-Dichloropropene			25.0	26.4		ug/L		106	80 - 120		
Trichloroethene			25.0	23.6		ug/L		94	74 - 123		
Trichlorofluoromethane			25.0	27.4		ug/L		110	62 - 150		
Vinyl chloride			25.0	29.2		ug/L		117	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*
Dibromofluoromethane (Surr)	*87*		*75 - 123*

Lab Sample ID: MB 480-471956/7 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471956

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 09:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/19 09:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/19 09:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/09/19 09:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/09/19 09:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/09/19 09:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/09/19 09:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/09/19 09:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/09/19 09:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/19 09:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/19 09:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/09/19 09:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/09/19 09:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/19 09:48	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/19 09:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/19 09:48	1
Acetone	ND		10	3.0	ug/L			05/09/19 09:48	1
Benzene	ND		1.0	0.41	ug/L			05/09/19 09:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/19 09:48	1
Bromoform	ND		1.0	0.26	ug/L			05/09/19 09:48	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/19 09:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/09/19 09:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/19 09:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/19 09:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/19 09:48	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/19 09:48	1
Chloroform	ND		1.0	0.34	ug/L			05/09/19 09:48	1
Chloromethane	ND		1.0	0.35	ug/L			05/09/19 09:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/09/19 09:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/19 09:48	1

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

Lab Sample ID: MB 480-471956/7 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471956

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		1.0	0.18	ug/L			05/09/19 09:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/09/19 09:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/19 09:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/09/19 09:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/09/19 09:48	1
Methyl acetate	ND		2.5	1.3	ug/L			05/09/19 09:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/09/19 09:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/09/19 09:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/19 09:48	1
Styrene	ND		1.0	0.73	ug/L			05/09/19 09:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/09/19 09:48	1
Toluene	ND		1.0	0.51	ug/L			05/09/19 09:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/19 09:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/19 09:48	1
Trichloroethene	ND		1.0	0.46	ug/L			05/09/19 09:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/09/19 09:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/09/19 09:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/09/19 09:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/09/19 09:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*05/09/19 09:48*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*05/09/19 09:48*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*05/09/19 09:48*	*1*

Lab Sample ID: LCS 480-471956/5 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471956

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	22.2		ug/L		89	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.2		ug/L		105	76 - 120
1,1,2-Trichloroethane	25.0	26.8		ug/L		107	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.9		ug/L		100	61 - 148
1,1-Dichloroethane	25.0	23.2		ug/L		93	77 - 120
1,1-Dichloroethene	25.0	23.0		ug/L		92	66 - 127
1,2,4-Trichlorobenzene	25.0	21.8		ug/L		87	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.6		ug/L		98	56 - 134
1,2-Dichlorobenzene	25.0	23.1		ug/L		92	80 - 124
1,2-Dichloroethane	25.0	21.4		ug/L		86	75 - 120
1,2-Dichloropropane	25.0	27.7		ug/L		111	76 - 120
1,3-Dichlorobenzene	25.0	24.5		ug/L		98	77 - 120
1,4-Dichlorobenzene	25.0	24.1		ug/L		96	80 - 120
2-Butanone (MEK)	125	133		ug/L		106	57 - 140
2-Hexanone	125	152		ug/L		122	65 - 127
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	71 - 125
Acetone	125	131		ug/L		104	56 - 142
Benzene	25.0	24.9		ug/L		99	71 - 124

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

Lab Sample ID: LCS 480-471956/5 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471956

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	25.0	25.1		ug/L		100	80 - 122
Bromoform	25.0	25.8		ug/L		103	61 - 132
Bromomethane	25.0	22.9		ug/L		91	55 - 144
Carbon disulfide	25.0	23.0		ug/L		92	59 - 134
Carbon tetrachloride	25.0	23.4		ug/L		94	72 - 134
Chlorobenzene	25.0	24.2		ug/L		97	80 - 120
Dibromochloromethane	25.0	25.7		ug/L		103	75 - 125
Chloroethane	25.0	24.4		ug/L		98	69 - 136
Chloroform	25.0	21.6		ug/L		86	73 - 127
Chloromethane	25.0	25.7		ug/L		103	68 - 124
cis-1,2-Dichloroethene	25.0	21.4		ug/L		85	74 - 124
cis-1,3-Dichloropropene	25.0	27.8		ug/L		111	74 - 124
Cyclohexane	25.0	25.1		ug/L		100	59 - 135
Dichlorodifluoromethane	25.0	28.4		ug/L		114	59 - 135
Ethylbenzene	25.0	23.5		ug/L		94	77 - 123
1,2-Dibromoethane	25.0	24.9		ug/L		99	77 - 120
Isopropylbenzene	25.0	23.0		ug/L		92	77 - 122
Methyl acetate	50.0	44.6		ug/L		89	74 - 133
Methyl tert-butyl ether	25.0	20.7		ug/L		83	77 - 120
Methylcyclohexane	25.0	24.7		ug/L		99	68 - 134
Methylene Chloride	25.0	23.9		ug/L		95	75 - 124
Styrene	25.0	24.6		ug/L		98	80 - 120
Tetrachloroethene	25.0	22.4		ug/L		90	74 - 122
Toluene	25.0	24.6		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	22.3		ug/L		89	73 - 127
trans-1,3-Dichloropropene	25.0	27.5		ug/L		110	80 - 120
Trichloroethene	25.0	23.2		ug/L		93	74 - 123
Trichlorofluoromethane	25.0	23.7		ug/L		95	62 - 150
Vinyl chloride	25.0	25.7		ug/L		103	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*
Dibromofluoromethane (Surr)	*87*		*75 - 123*

Lab Sample ID: 480-152814-12 MS **Client Sample ID: LMW-02-20190430**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471956

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		500	466		ug/L		93	73 - 126
1,1,2,2-Tetrachloroethane	ND		500	515		ug/L		103	76 - 120
1,1,2-Trichloroethane	ND		500	532		ug/L		106	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	547		ug/L		109	61 - 148
1,1-Dichloroethane	ND		500	476		ug/L		95	77 - 120
1,1-Dichloroethene	ND		500	487		ug/L		97	66 - 127
1,2,4-Trichlorobenzene	ND		500	454		ug/L		91	79 - 122

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

Lab Sample ID: 480-152814-12 MS **Client Sample ID: LMW-02-20190430**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471956

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND		500	437		ug/L		87	56 - 134
1,2-Dichlorobenzene	ND		500	478		ug/L		96	80 - 124
1,2-Dichloroethane	ND		500	430		ug/L		86	75 - 120
1,2-Dichloropropane	ND		500	555		ug/L		111	76 - 120
1,3-Dichlorobenzene	ND		500	510		ug/L		102	77 - 120
1,4-Dichlorobenzene	ND		500	489		ug/L		98	78 - 124
2-Butanone (MEK)	ND		2500	2350		ug/L		94	57 - 140
2-Hexanone	ND		2500	2450		ug/L		98	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		2500	2280		ug/L		91	71 - 125
Acetone	ND		2500	2110		ug/L		84	56 - 142
Benzene	ND		500	516		ug/L		103	71 - 124
Bromodichloromethane	ND		500	501		ug/L		100	80 - 122
Bromoform	ND		500	495		ug/L		99	61 - 132
Bromomethane	ND		500	498		ug/L		100	55 - 144
Carbon disulfide	ND		500	513		ug/L		103	59 - 134
Carbon tetrachloride	ND		500	494		ug/L		99	72 - 134
Chlorobenzene	ND		500	505		ug/L		101	80 - 120
Dibromochloromethane	ND		500	512		ug/L		102	75 - 125
Chloroethane	ND		500	515		ug/L		103	69 - 136
Chloroform	ND		500	445		ug/L		89	73 - 127
Chloromethane	ND		500	538		ug/L		108	68 - 124
cis-1,2-Dichloroethene	ND		500	453		ug/L		91	74 - 124
cis-1,3-Dichloropropene	ND		500	533		ug/L		107	74 - 124
Cyclohexane	ND		500	546		ug/L		109	59 - 135
Dichlorodifluoromethane	ND		500	603		ug/L		121	59 - 135
Ethylbenzene	ND		500	499		ug/L		100	77 - 123
1,2-Dibromoethane	ND		500	485		ug/L		97	77 - 120
Isopropylbenzene	ND		500	511		ug/L		102	77 - 122
Methyl acetate	ND		1000	874		ug/L		87	74 - 133
Methyl tert-butyl ether	ND		500	416		ug/L		83	77 - 120
Methylcyclohexane	ND		500	529		ug/L		106	68 - 134
Methylene Chloride	ND		500	502		ug/L		100	75 - 124
Styrene	ND		500	489		ug/L		98	80 - 120
Tetrachloroethene	ND		500	486		ug/L		97	74 - 122
Toluene	ND		500	521		ug/L		104	80 - 122
trans-1,2-Dichloroethene	ND		500	471		ug/L		94	73 - 127
trans-1,3-Dichloropropene	ND		500	532		ug/L		106	80 - 120
Trichloroethene	ND		500	483		ug/L		97	74 - 123
Trichlorofluoromethane	ND		500	510		ug/L		102	62 - 150
Vinyl chloride	ND		500	548		ug/L		110	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*
Dibromofluoromethane (Surr)	*89*		*75 - 123*

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

Lab Sample ID: 480-152814-12 MSD **Client Sample ID: LMW-02-20190430**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471956

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		500	470		ug/L		94	73 - 126	1	15
1,1,2,2-Tetrachloroethane	ND		500	529		ug/L		106	76 - 120	3	15
1,1,2-Trichloroethane	ND		500	530		ug/L		106	76 - 122	0	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	541		ug/L		108	61 - 148	1	20
1,1-Dichloroethane	ND		500	495		ug/L		99	77 - 120	4	20
1,1-Dichloroethene	ND		500	500		ug/L		100	66 - 127	3	16
1,2,4-Trichlorobenzene	ND		500	464		ug/L		93	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	ND		500	475		ug/L		95	56 - 134	8	15
1,2-Dichlorobenzene	ND		500	492		ug/L		98	80 - 124	3	20
1,2-Dichloroethane	ND		500	433		ug/L		87	75 - 120	1	20
1,2-Dichloropropane	ND		500	560		ug/L		112	76 - 120	1	20
1,3-Dichlorobenzene	ND		500	523		ug/L		105	77 - 120	3	20
1,4-Dichlorobenzene	ND		500	503		ug/L		101	78 - 124	3	20
2-Butanone (MEK)	ND		2500	2390		ug/L		96	57 - 140	2	20
2-Hexanone	ND		2500	2510		ug/L		100	65 - 127	3	15
4-Methyl-2-pentanone (MIBK)	ND		2500	2340		ug/L		93	71 - 125	2	35
Acetone	ND		2500	2160		ug/L		86	56 - 142	2	15
Benzene	ND		500	522		ug/L		104	71 - 124	1	13
Bromodichloromethane	ND		500	500		ug/L		100	80 - 122	0	15
Bromoform	ND		500	516		ug/L		103	61 - 132	4	15
Bromomethane	ND		500	490		ug/L		98	55 - 144	2	15
Carbon disulfide	ND		500	518		ug/L		104	59 - 134	1	15
Carbon tetrachloride	ND		500	501		ug/L		100	72 - 134	1	15
Chlorobenzene	ND		500	515		ug/L		103	80 - 120	2	25
Dibromochloromethane	ND		500	524		ug/L		105	75 - 125	2	15
Chloroethane	ND		500	520		ug/L		104	69 - 136	1	15
Chloroform	ND		500	460		ug/L		92	73 - 127	3	20
Chloromethane	ND		500	557		ug/L		111	68 - 124	3	15
cis-1,2-Dichloroethene	ND		500	470		ug/L		94	74 - 124	4	15
cis-1,3-Dichloropropene	ND		500	533		ug/L		107	74 - 124	0	15
Cyclohexane	ND		500	552		ug/L		110	59 - 135	1	20
Dichlorodifluoromethane	ND		500	606		ug/L		121	59 - 135	1	20
Ethylbenzene	ND		500	506		ug/L		101	77 - 123	2	15
1,2-Dibromoethane	ND		500	498		ug/L		100	77 - 120	3	15
Isopropylbenzene	ND		500	527		ug/L		105	77 - 122	3	20
Methyl acetate	ND		1000	898		ug/L		90	74 - 133	3	20
Methyl tert-butyl ether	ND		500	421		ug/L		84	77 - 120	1	37
Methylcyclohexane	ND		500	537		ug/L		107	68 - 134	2	20
Methylene Chloride	ND		500	498		ug/L		100	75 - 124	1	15
Styrene	ND		500	502		ug/L		100	80 - 120	3	20
Tetrachloroethene	ND		500	493		ug/L		99	74 - 122	2	20
Toluene	ND		500	523		ug/L		105	80 - 122	0	15
trans-1,2-Dichloroethene	ND		500	463		ug/L		93	73 - 127	2	20
trans-1,3-Dichloropropene	ND		500	535		ug/L		107	80 - 120	1	15
Trichloroethene	ND		500	489		ug/L		98	74 - 123	1	16
Trichlorofluoromethane	ND		500	516		ug/L		103	62 - 150	1	20
Vinyl chloride	ND		500	559		ug/L		112	65 - 133	2	15

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

Lab Sample ID: 480-152814-12 MSD **Client Sample ID: LMW-02-20190430**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 471956

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	101		80 - 120
1,2-Dichloroethane-d4 (Surr)	93		77 - 120
4-Bromofluorobenzene (Surr)	92		73 - 120
Dibromofluoromethane (Surr)	89		75 - 123

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
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.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

GC/MS VOA

Analysis Batch: 471764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152814-1	LMW-08-20190429	Total/NA	Water	8260C	
480-152814-2	LMW-14-20190429	Total/NA	Water	8260C	
480-152814-3	LMW-13-20190429	Total/NA	Water	8260C	
480-152814-5	MW-209-20190429	Total/NA	Water	8260C	
480-152814-6	MW-206-20190429	Total/NA	Water	8260C	
480-152814-7	LMW-04-20190429	Total/NA	Water	8260C	
480-152814-8	MW-06-20190429	Total/NA	Water	8260C	
480-152814-17	Trip Blank	Total/NA	Water	8260C	
MB 480-471764/7	Method Blank	Total/NA	Water	8260C	
LCS 480-471764/5	Lab Control Sample	Total/NA	Water	8260C	
480-152814-2 MS	LMW-14MS-20190429	Total/NA	Water	8260C	
480-152814-2 MSD	LMW-14-MSD20190429	Total/NA	Water	8260C	

Analysis Batch: 471924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152814-4	MW-09-20190429	Total/NA	Water	8260C	
MB 480-471924/7	Method Blank	Total/NA	Water	8260C	
LCS 480-471924/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 471956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152814-9	FB-20190430	Total/NA	Water	8260C	
480-152814-10	DUP-20190430	Total/NA	Water	8260C	
480-152814-11	LMW-03-20190430	Total/NA	Water	8260C	
480-152814-12	LMW-02-20190430	Total/NA	Water	8260C	
480-152814-13	LMW-11-20190430	Total/NA	Water	8260C	
480-152814-14	LMW-12-20190430	Total/NA	Water	8260C	
480-152814-15	LMW-01-20190430	Total/NA	Water	8260C	
480-152814-16	LMW-05-20190430	Total/NA	Water	8260C	
MB 480-471956/7	Method Blank	Total/NA	Water	8260C	
LCS 480-471956/5	Lab Control Sample	Total/NA	Water	8260C	
480-152814-12 MS	LMW-02-20190430	Total/NA	Water	8260C	
480-152814-12 MSD	LMW-02-20190430	Total/NA	Water	8260C	

Client Sample ID: LMW-08-20190429 — Lab Sample ID: 480-152814-1

Date Collected: 04/29/19 10:20 **Matrix: Water**
Date Received: 05/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	471764	05/08/19 15:13	AEM	TAL BUF

Client Sample ID: LMW-14-20190429 — Lab Sample ID: 480-152814-2

Date Collected: 04/29/19 11:00 **Matrix: Water**
Date Received: 05/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	471764	05/08/19 15:37	AEM	TAL BUF

Client Sample ID: LMW-13-20190429 — Lab Sample ID: 480-152814-3

Date Collected: 04/29/19 11:35 **Matrix: Water**
Date Received: 05/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	471764	05/08/19 16:01	AEM	TAL BUF

Client Sample ID: MW-09-20190429 — Lab Sample ID: 480-152814-4

Date Collected: 04/29/19 12:05 **Matrix: Water**
Date Received: 05/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	471924	05/09/19 04:33	AMM	TAL BUF

Client Sample ID: MW-209-20190429 — Lab Sample ID: 480-152814-5

Date Collected: 04/29/19 12:45 **Matrix: Water**
Date Received: 05/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	471764	05/08/19 16:49	AEM	TAL BUF

Client Sample ID: MW-206-20190429 — Lab Sample ID: 480-152814-6

Date Collected: 04/29/19 13:20 **Matrix: Water**
Date Received: 05/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	471764	05/08/19 17:13	AEM	TAL BUF

Client Sample ID: LMW-04-20190429 — Lab Sample ID: 480-152814-7

Date Collected: 04/29/19 14:10 **Matrix: Water**
Date Received: 05/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	471764	05/08/19 17:37	AEM	TAL BUF

Client Sample ID: MW-06-20190429 — Lab Sample ID: 480-152814-8

Date Collected: 04/29/19 09:30 **Matrix: Water**
Date Received: 05/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	471764	05/08/19 18:01	AEM	TAL BUF

Client Sample ID: FB-20190430 — Lab Sample ID: 480-152814-9

Date Collected: 04/30/19 09:45 **Matrix: Water**
Date Received: 05/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	471956	05/09/19 12:55	AEM	TAL BUF

Client Sample ID: DUP-20190430 — Lab Sample ID: 480-152814-10

Date Collected: 04/30/19 00:00 **Matrix: Water**
Date Received: 05/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	471956	05/09/19 13:18	AEM	TAL BUF

Client Sample ID: LMW-03-20190430 — Lab Sample ID: 480-152814-11

Date Collected: 04/30/19 10:25 **Matrix: Water**
Date Received: 05/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	471956	05/09/19 13:41	AEM	TAL BUF

Client Sample ID: LMW-02-20190430 — Lab Sample ID: 480-152814-12

Date Collected: 04/30/19 11:00 **Matrix: Water**
Date Received: 05/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	471956	05/09/19 14:04	AEM	TAL BUF

Client Sample ID: LMW-11-20190430 — Lab Sample ID: 480-152814-13

Date Collected: 04/30/19 11:30 **Matrix: Water**
Date Received: 05/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	471956	05/09/19 14:28	AEM	TAL BUF

Client Sample ID: LMW-12-20190430 — Lab Sample ID: 480-152814-14

Date Collected: 04/30/19 12:00 **Matrix: Water**
Date Received: 05/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	471956	05/09/19 14:51	AEM	TAL BUF

Lab Chronicle

Client: CDM Smith, Inc. Job ID: 480-152814-1
Project/Site: Lubricant Packaging Corp Middletown NY

Client Sample ID: LMW-01-20190430 Lab Sample ID: 480-152814-15

Date Collected: 04/30/19 12:30 **Matrix: Water**
Date Received: 05/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	471956	05/09/19 15:14	AEM	TAL BUF

Client Sample ID: LMW-05-20190430 Lab Sample ID: 480-152814-16

Date Collected: 04/30/19 13:05 **Matrix: Water**
Date Received: 05/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	471956	05/09/19 15:37	AEM	TAL BUF

Client Sample ID: Trip Blank Lab Sample ID: 480-152814-17

Date Collected: 04/29/19 00:00 **Matrix: Water**
Date Received: 05/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	471764	05/08/19 18:25	AEM	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: CDM Smith, Inc. Job ID: 480-152814-1
Project/Site: Lubricant Packaging Corp Middletown NY

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.: 480-152814-1

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 #
LMW-08-20190429	480-152814-1	102	106	104	112
LMW-14-20190429	480-152814-2	102	103	102	115
LMW-13-20190429	480-152814-3	112	105	94	112
MW-09-20190429	480-152814-4	97	102	94	88
MW-209-20190429	480-152814-5	101	107	98	109
MW-206-20190429	480-152814-6	112	119	103	116
LMW-04-20190429	480-152814-7	110	122 X	99	111
MW-06-20190429	480-152814-8	111	111	97	109
FB-20190430	480-152814-9	95	102	93	88
DUP-20190430	480-152814-10	93	98	93	92
LMW-03-20190430	480-152814-11	100	102	98	86
LMW-02-20190430	480-152814-12	97	100	96	82
LMW-11-20190430	480-152814-13	99	102	93	86
LMW-12-20190430	480-152814-14	96	102	94	89
LMW-01-20190430	480-152814-15	99	104	95	86
LMW-05-20190430	480-152814-16	100	106	95	83
Trip Blank	480-152814-17	104	103	97	112
	MB 480-471764/7	104	104	96	107
	MB 480-471924/7	95	104	94	87
	MB 480-471956/7	93	98	98	92
	LCS 480-471764/5	95	104	100	109
	LCS 480-471924/5	87	94	98	90
	LCS 480-471956/5	87	95	99	92
LMW-14MS-20190429 MS	480-152814-2 MS	103	108	97	112
LMW-02-20190430 MS	480-152814-12 MS	89	94	99	93
LMW-14-MSD20190429 MSD	480-152814-2 MSD	105	118	101	112
LMW-02-20190430 MSD	480-152814-12 MSD	89	93	101	92

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

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T0645.D

Lab ID: LCS 480-471764/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	29.1	116	73-126	
1,1,2,2-Tetrachloroethane	25.0	25.1	100	76-120	
1,1,2-Trichloroethane	25.0	25.8	103	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.0	100	61-148	
1,1-Dichloroethane	25.0	26.7	107	77-120	
1,1-Dichloroethene	25.0	23.2	93	66-127	
1,2,4-Trichlorobenzene	25.0	26.0	104	79-122	
1,2-Dibromo-3-Chloropropane	25.0	24.0	96	56-134	
1,2-Dichlorobenzene	25.0	26.2	105	80-124	
1,2-Dichloroethane	25.0	26.2	105	75-120	
1,2-Dichloropropane	25.0	27.1	108	76-120	
1,3-Dichlorobenzene	25.0	26.3	105	77-120	
1,4-Dichlorobenzene	25.0	26.3	105	80-120	
2-Butanone (MEK)	125	124	99	57-140	
2-Hexanone	125	144	115	65-127	
4-Methyl-2-pentanone (MIBK)	125	135	108	71-125	
Acetone	125	125	100	56-142	
Benzene	25.0	25.2	101	71-124	
Bromodichloromethane	25.0	27.0	108	80-122	
Bromoform	25.0	41.1	164	61-132	*
Bromomethane	25.0	24.7	99	55-144	
Carbon disulfide	25.0	25.3	101	59-134	
Carbon tetrachloride	25.0	31.5	126	72-134	
Chlorobenzene	25.0	25.5	102	80-120	
Dibromochloromethane	25.0	34.9	139	75-125	*
Chloroethane	25.0	30.7	123	69-136	
Chloroform	25.0	27.4	110	73-127	
Chloromethane	25.0	28.3	113	68-124	
cis-1,2-Dichloroethene	25.0	23.6	95	74-124	
cis-1,3-Dichloropropene	25.0	29.2	117	74-124	
Cyclohexane	25.0	29.7	119	59-135	
Dichlorodifluoromethane	25.0	27.7	111	59-135	
Ethylbenzene	25.0	27.0	108	77-123	
1,2-Dibromoethane	25.0	25.1	101	77-120	
Isopropylbenzene	25.0	25.8	103	77-122	
Methyl acetate	50.0	44.5	89	74-133	
Methyl tert-butyl ether	25.0	23.0	92	77-120	
Methylcyclohexane	25.0	27.7	111	68-134	
Methylene Chloride	25.0	22.9	92	75-124	
Styrene	25.0	27.2	109	80-120	
Tetrachloroethene	25.0	30.3	121	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T0645.D

Lab ID: LCS 480-471764/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	27.8	111	80-122	
trans-1,2-Dichloroethene	25.0	23.4	94	73-127	
trans-1,3-Dichloropropene	25.0	26.7	107	80-120	
Trichloroethene	25.0	26.2	105	74-123	
Trichlorofluoromethane	25.0	23.4	93	62-150	
Vinyl chloride	25.0	26.0	104	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4683.D

Lab ID: LCS 480-471924/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	23.0	92	73-126	
1,1,2,2-Tetrachloroethane	25.0	25.3	101	76-120	
1,1,2-Trichloroethane	25.0	25.6	103	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.9	104	61-148	
1,1-Dichloroethane	25.0	23.4	94	77-120	
1,1-Dichloroethene	25.0	24.2	97	66-127	
1,2,4-Trichlorobenzene	25.0	21.5	86	79-122	
1,2-Dibromo-3-Chloropropane	25.0	22.4	89	56-134	
1,2-Dichlorobenzene	25.0	23.1	92	80-124	
1,2-Dichloroethane	25.0	21.1	84	75-120	
1,2-Dichloropropane	25.0	26.4	106	76-120	
1,3-Dichlorobenzene	25.0	24.4	97	77-120	
1,4-Dichlorobenzene	25.0	23.7	95	80-120	
2-Butanone (MEK)	125	117	94	57-140	
2-Hexanone	125	126	101	65-127	
4-Methyl-2-pentanone (MIBK)	125	114	91	71-125	
Acetone	125	119	95	56-142	
Benzene	25.0	24.8	99	71-124	
Bromodichloromethane	25.0	24.6	98	80-122	
Bromoform	25.0	24.5	98	61-132	
Bromomethane	25.0	25.5	102	55-144	
Carbon disulfide	25.0	24.7	99	59-134	
Carbon tetrachloride	25.0	24.3	97	72-134	
Chlorobenzene	25.0	24.0	96	80-120	
Dibromochloromethane	25.0	25.2	101	75-125	
Chloroethane	25.0	26.8	107	69-136	
Chloroform	25.0	21.8	87	73-127	
Chloromethane	25.0	29.3	117	68-124	
cis-1,2-Dichloroethene	25.0	21.8	87	74-124	
cis-1,3-Dichloropropene	25.0	26.7	107	74-124	
Cyclohexane	25.0	26.2	105	59-135	
Dichlorodifluoromethane	25.0	32.3	129	59-135	
Ethylbenzene	25.0	23.8	95	77-123	
1,2-Dibromoethane	25.0	24.1	97	77-120	
Isopropylbenzene	25.0	24.1	96	77-122	
Methyl acetate	50.0	43.0	86	74-133	
Methyl tert-butyl ether	25.0	20.4	82	77-120	
Methylcyclohexane	25.0	25.1	101	68-134	
Methylene Chloride	25.0	24.1	96	75-124	
Styrene	25.0	23.6	94	80-120	
Tetrachloroethene	25.0	23.0	92	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4683.D

Lab ID: LCS 480-471924/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	24.5	98	80-122	
trans-1,2-Dichloroethene	25.0	22.4	89	73-127	
trans-1,3-Dichloropropene	25.0	26.4	106	80-120	
Trichloroethene	25.0	23.6	94	74-123	
Trichlorofluoromethane	25.0	27.4	110	62-150	
Vinyl chloride	25.0	29.2	117	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4712.D

Lab ID: LCS 480-471956/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	22.2	89	73-126	
1,1,2,2-Tetrachloroethane	25.0	26.2	105	76-120	
1,1,2-Trichloroethane	25.0	26.8	107	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.9	100	61-148	
1,1-Dichloroethane	25.0	23.2	93	77-120	
1,1-Dichloroethene	25.0	23.0	92	66-127	
1,2,4-Trichlorobenzene	25.0	21.8	87	79-122	
1,2-Dibromo-3-Chloropropane	25.0	24.6	98	56-134	
1,2-Dichlorobenzene	25.0	23.1	92	80-124	
1,2-Dichloroethane	25.0	21.4	86	75-120	
1,2-Dichloropropane	25.0	27.7	111	76-120	
1,3-Dichlorobenzene	25.0	24.5	98	77-120	
1,4-Dichlorobenzene	25.0	24.1	96	80-120	
2-Butanone (MEK)	125	133	106	57-140	
2-Hexanone	125	152	122	65-127	
4-Methyl-2-pentanone (MIBK)	125	126	101	71-125	
Acetone	125	131	104	56-142	
Benzene	25.0	24.9	99	71-124	
Bromodichloromethane	25.0	25.1	100	80-122	
Bromoform	25.0	25.8	103	61-132	
Bromomethane	25.0	22.9	91	55-144	
Carbon disulfide	25.0	23.0	92	59-134	
Carbon tetrachloride	25.0	23.4	94	72-134	
Chlorobenzene	25.0	24.2	97	80-120	
Dibromochloromethane	25.0	25.7	103	75-125	
Chloroethane	25.0	24.4	98	69-136	
Chloroform	25.0	21.6	86	73-127	
Chloromethane	25.0	25.7	103	68-124	
cis-1,2-Dichloroethene	25.0	21.4	85	74-124	
cis-1,3-Dichloropropene	25.0	27.8	111	74-124	
Cyclohexane	25.0	25.1	100	59-135	
Dichlorodifluoromethane	25.0	28.4	114	59-135	
Ethylbenzene	25.0	23.5	94	77-123	
1,2-Dibromoethane	25.0	24.9	99	77-120	
Isopropylbenzene	25.0	23.0	92	77-122	
Methyl acetate	50.0	44.6	89	74-133	
Methyl tert-butyl ether	25.0	20.7	83	77-120	
Methylcyclohexane	25.0	24.7	99	68-134	
Methylene Chloride	25.0	23.9	95	75-124	
Styrene	25.0	24.6	98	80-120	
Tetrachloroethene	25.0	22.4	90	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4712.D

Lab ID: LCS 480-471956/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	24.6	98	80-122	
trans-1,2-Dichloroethene	25.0	22.3	89	73-127	
trans-1,3-Dichloropropene	25.0	27.5	110	80-120	
Trichloroethene	25.0	23.2	93	74-123	
Trichlorofluoromethane	25.0	23.7	95	62-150	
Vinyl chloride	25.0	25.7	103	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T0666.D

Lab ID: 480-152814-2 MS Client ID: LMW-14MS-20190429 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	31.0	124	73-126	
1,1,2,2-Tetrachloroethane	25.0	ND	24.7	99	76-120	
1,1,2-Trichloroethane	25.0	ND	25.5	102	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	ND	26.5	106	61-148	
1,1-Dichloroethane	25.0	ND	28.1	112	77-120	
1,1-Dichloroethene	25.0	ND	23.5	94	66-127	
1,2,4-Trichlorobenzene	25.0	ND	25.8	103	79-122	
1,2-Dibromo-3-Chloropropane	25.0	ND	25.1	101	56-134	
1,2-Dichlorobenzene	25.0	ND	26.7	107	80-124	
1,2-Dichloroethane	25.0	ND	26.3	105	75-120	
1,2-Dichloropropane	25.0	ND	31.2	125	76-120	F1
1,3-Dichlorobenzene	25.0	ND	25.2	101	77-120	
1,4-Dichlorobenzene	25.0	ND	26.0	104	78-124	
2-Butanone (MEK)	125	ND	130	104	57-140	
2-Hexanone	125	ND	149	119	65-127	
4-Methyl-2-pentanone (MIBK)	125	ND	142	114	71-125	
Acetone	125	ND	111	88	56-142	
Benzene	25.0	ND	26.7	107	71-124	
Bromodichloromethane	25.0	ND	28.5	114	80-122	
Bromoform	25.0	ND	35.9	144	61-132	F1
Bromomethane	25.0	ND	27.6	110	55-144	
Carbon disulfide	25.0	ND	26.0	104	59-134	
Carbon tetrachloride	25.0	ND	35.4	141	72-134	F1
Chlorobenzene	25.0	ND	25.7	103	80-120	
Dibromochloromethane	25.0	ND	34.9	139	75-125	F1
Chloroethane	25.0	ND	31.8	127	69-136	
Chloroform	25.0	ND	28.9	116	73-127	
Chloromethane	25.0	ND	32.4	130	68-124	F1
cis-1,2-Dichloroethene	25.0	ND	25.5	102	74-124	
cis-1,3-Dichloropropene	25.0	ND	28.8	115	74-124	
Cyclohexane	25.0	ND	30.2	121	59-135	
Dichlorodifluoromethane	25.0	ND	29.4	118	59-135	
Ethylbenzene	25.0	ND	27.5	110	77-123	
1,2-Dibromoethane	25.0	ND	24.6	98	77-120	
Isopropylbenzene	25.0	ND	26.3	105	77-122	
Methyl acetate	50.0	ND	45.6	91	74-133	
Methyl tert-butyl ether	25.0	ND	23.7	95	77-120	
Methylcyclohexane	25.0	ND	28.9	116	68-134	
Methylene Chloride	25.0	ND	24.0	96	75-124	
Styrene	25.0	ND	26.6	106	80-120	
Tetrachloroethene	25.0	ND	32.4	130	74-122	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T0666.D

Lab ID: 480-152814-2 MS Client ID: LMW-14MS-20190429 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	25.0	ND	26.1	105	80-122	
trans-1,2-Dichloroethene	25.0	ND	24.9	100	73-127	
trans-1,3-Dichloropropene	25.0	ND	26.5	106	80-120	
Trichloroethene	25.0	ND	26.0	104	74-123	
Trichlorofluoromethane	25.0	ND	27.3	109	62-150	
Vinyl chloride	25.0	ND	29.0	116	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4735.D

Lab ID: 480-152814-12 MS Client ID: LMW-02-20190430 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	500	ND	466	93	73-126	
1,1,2,2-Tetrachloroethane	500	ND	515	103	76-120	
1,1,2-Trichloroethane	500	ND	532	106	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	ND	547	109	61-148	
1,1-Dichloroethane	500	ND	476	95	77-120	
1,1-Dichloroethene	500	ND	487	97	66-127	
1,2,4-Trichlorobenzene	500	ND	454	91	79-122	
1,2-Dibromo-3-Chloropropane	500	ND	437	87	56-134	
1,2-Dichlorobenzene	500	ND	478	96	80-124	
1,2-Dichloroethane	500	ND	430	86	75-120	
1,2-Dichloropropane	500	ND	555	111	76-120	
1,3-Dichlorobenzene	500	ND	510	102	77-120	
1,4-Dichlorobenzene	500	ND	489	98	78-124	
2-Butanone (MEK)	2500	ND	2350	94	57-140	
2-Hexanone	2500	ND	2450	98	65-127	
4-Methyl-2-pentanone (MIBK)	2500	ND	2280	91	71-125	
Acetone	2500	ND	2110	84	56-142	
Benzene	500	ND	516	103	71-124	
Bromodichloromethane	500	ND	501	100	80-122	
Bromoform	500	ND	495	99	61-132	
Bromomethane	500	ND	498	100	55-144	
Carbon disulfide	500	ND	513	103	59-134	
Carbon tetrachloride	500	ND	494	99	72-134	
Chlorobenzene	500	ND	505	101	80-120	
Dibromochloromethane	500	ND	512	102	75-125	
Chloroethane	500	ND	515	103	69-136	
Chloroform	500	ND	445	89	73-127	
Chloromethane	500	ND	538	108	68-124	
cis-1,2-Dichloroethene	500	ND	453	91	74-124	
cis-1,3-Dichloropropene	500	ND	533	107	74-124	
Cyclohexane	500	ND	546	109	59-135	
Dichlorodifluoromethane	500	ND	603	121	59-135	
Ethylbenzene	500	ND	499	100	77-123	
1,2-Dibromoethane	500	ND	485	97	77-120	
Isopropylbenzene	500	ND	511	102	77-122	
Methyl acetate	1000	ND	874	87	74-133	
Methyl tert-butyl ether	500	ND	416	83	77-120	
Methylcyclohexane	500	ND	529	106	68-134	
Methylene Chloride	500	ND	502	100	75-124	
Styrene	500	ND	489	98	80-120	
Tetrachloroethene	500	ND	486	97	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4735.D

Lab ID: 480-152814-12 MS Client ID: LMW-02-20190430 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	500	ND	521	104	80-122	
trans-1,2-Dichloroethene	500	ND	471	94	73-127	
trans-1,3-Dichloropropene	500	ND	532	106	80-120	
Trichloroethene	500	ND	483	97	74-123	
Trichlorofluoromethane	500	ND	510	102	62-150	
Vinyl chloride	500	ND	548	110	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T0667.D

Lab ID: 480-152814-2 MSD Client ID: LMW-14-MSD20190429 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	30.5	122	2	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.5	98	1	15	76-120	
1,1,2-Trichloroethane	25.0	27.2	109	7	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.8	107	1	20	61-148	
1,1-Dichloroethane	25.0	28.5	114	2	20	77-120	
1,1-Dichloroethene	25.0	24.1	96	2	16	66-127	
1,2,4-Trichlorobenzene	25.0	23.6	95	9	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	24.2	97	4	15	56-134	
1,2-Dichlorobenzene	25.0	24.5	98	9	20	80-124	
1,2-Dichloroethane	25.0	27.5	110	5	20	75-120	
1,2-Dichloropropane	25.0	29.8	119	5	20	76-120	
1,3-Dichlorobenzene	25.0	24.1	96	5	20	77-120	
1,4-Dichlorobenzene	25.0	23.8	95	9	20	78-124	
2-Butanone (MEK)	125	134	107	3	20	57-140	
2-Hexanone	125	143	115	4	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	142	113	0	35	71-125	
Acetone	125	122	98	10	15	56-142	
Benzene	25.0	27.2	109	2	13	71-124	
Bromodichloromethane	25.0	29.6	118	4	15	80-122	
Bromoform	25.0	36.4	145	1	15	61-132	F1
Bromomethane	25.0	28.0	112	1	15	55-144	
Carbon disulfide	25.0	24.9	100	4	15	59-134	
Carbon tetrachloride	25.0	35.8	143	1	15	72-134	F1
Chlorobenzene	25.0	24.6	98	4	25	80-120	
Dibromochloromethane	25.0	32.5	130	7	15	75-125	F1
Chloroethane	25.0	34.2	137	7	15	69-136	F1
Chloroform	25.0	28.1	113	3	20	73-127	
Chloromethane	25.0	30.5	122	6	15	68-124	
cis-1,2-Dichloroethene	25.0	25.2	101	1	15	74-124	
cis-1,3-Dichloropropene	25.0	26.9	108	7	15	74-124	
Cyclohexane	25.0	28.3	113	6	20	59-135	
Dichlorodifluoromethane	25.0	27.3	109	8	20	59-135	
Ethylbenzene	25.0	27.3	109	1	15	77-123	
1,2-Dibromoethane	25.0	24.8	99	1	15	77-120	
Isopropylbenzene	25.0	24.4	98	8	20	77-122	
Methyl acetate	50.0	48.7	97	7	20	74-133	
Methyl tert-butyl ether	25.0	24.4	98	3	37	77-120	
Methylcyclohexane	25.0	27.5	110	5	20	68-134	
Methylene Chloride	25.0	24.5	98	2	15	75-124	
Styrene	25.0	26.0	104	2	20	80-120	
Tetrachloroethene	25.0	30.2	121	7	20	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Matrix: Water Level: Low Lab File ID: T0667.D

Lab ID: 480-152814-2 MSD Client ID: LMW-14-MSD20190429 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	25.0	26.5	106	1	15	80-122	
trans-1,2-Dichloroethene	25.0	26.2	105	5	20	73-127	
trans-1,3-Dichloropropene	25.0	25.3	101	5	15	80-120	
Trichloroethene	25.0	25.8	103	1	16	74-123	
Trichlorofluoromethane	25.0	26.6	106	3	20	62-150	
Vinyl chloride	25.0	30.8	123	6	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4736.D

Lab ID: 480-152814-12 MSD Client ID: LMW-02-20190430 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	500	470	94	1	15	73-126	
1,1,2,2-Tetrachloroethane	500	529	106	3	15	76-120	
1,1,2-Trichloroethane	500	530	106	0	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	541	108	1	20	61-148	
1,1-Dichloroethane	500	495	99	4	20	77-120	
1,1-Dichloroethene	500	500	100	3	16	66-127	
1,2,4-Trichlorobenzene	500	464	93	2	20	79-122	
1,2-Dibromo-3-Chloropropane	500	475	95	8	15	56-134	
1,2-Dichlorobenzene	500	492	98	3	20	80-124	
1,2-Dichloroethane	500	433	87	1	20	75-120	
1,2-Dichloropropane	500	560	112	1	20	76-120	
1,3-Dichlorobenzene	500	523	105	3	20	77-120	
1,4-Dichlorobenzene	500	503	101	3	20	78-124	
2-Butanone (MEK)	2500	2390	96	2	20	57-140	
2-Hexanone	2500	2510	100	3	15	65-127	
4-Methyl-2-pentanone (MIBK)	2500	2340	93	2	35	71-125	
Acetone	2500	2160	86	2	15	56-142	
Benzene	500	522	104	1	13	71-124	
Bromodichloromethane	500	500	100	0	15	80-122	
Bromoform	500	516	103	4	15	61-132	
Bromomethane	500	490	98	2	15	55-144	
Carbon disulfide	500	518	104	1	15	59-134	
Carbon tetrachloride	500	501	100	1	15	72-134	
Chlorobenzene	500	515	103	2	25	80-120	
Dibromochloromethane	500	524	105	2	15	75-125	
Chloroethane	500	520	104	1	15	69-136	
Chloroform	500	460	92	3	20	73-127	
Chloromethane	500	557	111	3	15	68-124	
cis-1,2-Dichloroethene	500	470	94	4	15	74-124	
cis-1,3-Dichloropropene	500	533	107	0	15	74-124	
Cyclohexane	500	552	110	1	20	59-135	
Dichlorodifluoromethane	500	606	121	1	20	59-135	
Ethylbenzene	500	506	101	2	15	77-123	
1,2-Dibromoethane	500	498	100	3	15	77-120	
Isopropylbenzene	500	527	105	3	20	77-122	
Methyl acetate	1000	898	90	3	20	74-133	
Methyl tert-butyl ether	500	421	84	1	37	77-120	
Methylcyclohexane	500	537	107	2	20	68-134	
Methylene Chloride	500	498	100	1	15	75-124	
Styrene	500	502	100	3	20	80-120	
Tetrachloroethene	500	493	99	2	20	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4736.D

Lab ID: 480-152814-12 MSD Client ID: LMW-02-20190430 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	500	523	105	0	15	80-122	
trans-1,2-Dichloroethene	500	463	93	2	20	73-127	
trans-1,3-Dichloropropene	500	535	107	1	15	80-120	
Trichloroethene	500	489	98	1	16	74-123	
Trichlorofluoromethane	500	516	103	1	20	62-150	
Vinyl chloride	500	559	112	2	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Lab File ID: T0647.D Lab Sample ID: MB 480-471764/7

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

Instrument ID: HP5975T Date Analyzed: 05/08/2019 11:03

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 480-471764/5	T0645.D	05/08/2019 10:15
LMW-08-20190429	480-152814-1	T0657.D	05/08/2019 15:13
LMW-14-20190429	480-152814-2	T0658.D	05/08/2019 15:37
LMW-13-20190429	480-152814-3	T0659.D	05/08/2019 16:01
MW-209-20190429	480-152814-5	T0661.D	05/08/2019 16:49
MW-206-20190429	480-152814-6	T0662.D	05/08/2019 17:13
LMW-04-20190429	480-152814-7	T0663.D	05/08/2019 17:37
MW-06-20190429	480-152814-8	T0664.D	05/08/2019 18:01
Trip Blank	480-152814-17	T0665.D	05/08/2019 18:25
LMW-14MS-20190429 MS	480-152814-2 MS	T0666.D	05/08/2019 18:49
LMW-14-MSD20190429 MSD	480-152814-2 MSD	T0667.D	05/08/2019 19:14

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Lab File ID: S4685.D Lab Sample ID: MB 480-471924/7

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

Instrument ID: HP5973S Date Analyzed: 05/08/2019 21:22

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-471924/5	S4683.D	05/08/2019 20:35
MW-09-20190429	480-152814-4	S4703.D	05/09/2019 04:33

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Lab File ID: S4714.D Lab Sample ID: MB 480-471956/7

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

Instrument ID: HP5973S Date Analyzed: 05/09/2019 09:48

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 480-471956/5	S4712.D	05/09/2019 09:01
FB-20190430	480-152814-9	S4721.D	05/09/2019 12:55
DUP-20190430	480-152814-10	S4722.D	05/09/2019 13:18
LMW-03-20190430	480-152814-11	S4723.D	05/09/2019 13:41
LMW-02-20190430	480-152814-12	S4724.D	05/09/2019 14:04
LMW-11-20190430	480-152814-13	S4725.D	05/09/2019 14:28
LMW-12-20190430	480-152814-14	S4726.D	05/09/2019 14:51
LMW-01-20190430	480-152814-15	S4727.D	05/09/2019 15:14
LMW-05-20190430	480-152814-16	S4728.D	05/09/2019 15:37
LMW-02-20190430 MS	480-152814-12 MS	S4735.D	05/09/2019 18:19
LMW-02-20190430 MSD	480-152814-12 MSD	S4736.D	05/09/2019 18:42

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

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.: 480-152814-1

SDG No.:

Lab File ID: S4680.D BFB Injection Date: 05/08/2019

Instrument ID: HP5973S BFB Injection Time: 19:24

Analysis Batch No.: 471924

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.0	
75	30.0 - 60.0 % of mass 95	49.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.1	(0.2) 1
174	50.0 - 120.00 % of mass 95	79.6	
175	5.0 - 9.0 % of mass 174	5.8	(7.3) 1
176	95.0 - 101.0 % of mass 174	76.1	(95.6) 1
177	5.0 - 9.0 % of mass 176	5.4	(7.1) 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 480-471924/3	S4681.D	05/08/2019	19:49
	LCS 480-471924/5	S4683.D	05/08/2019	20:35
	MB 480-471924/7	S4685.D	05/08/2019	21:22
MW-09-20190429	480-152814-4	S4703.D	05/09/2019	04:33

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Lab File ID: S4709.D BFB Injection Date: 05/09/2019

Instrument ID: HP5973S BFB Injection Time: 07:50

Analysis Batch No.: 471956

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	49.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	80.6	
175	5.0 - 9.0 % of mass 174	6.0	(7.4) 1
176	95.0 - 101.0 % of mass 174	77.1	(95.7) 1
177	5.0 - 9.0 % of mass 176	5.0	(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 480-471956/3	S4710.D	05/09/2019	08:15
	LCS 480-471956/5	S4712.D	05/09/2019	09:01
	MB 480-471956/7	S4714.D	05/09/2019	09:48
FB-20190430	480-152814-9	S4721.D	05/09/2019	12:55
DUP-20190430	480-152814-10	S4722.D	05/09/2019	13:18
LMW-03-20190430	480-152814-11	S4723.D	05/09/2019	13:41
LMW-02-20190430	480-152814-12	S4724.D	05/09/2019	14:04
LMW-11-20190430	480-152814-13	S4725.D	05/09/2019	14:28
LMW-12-20190430	480-152814-14	S4726.D	05/09/2019	14:51
LMW-01-20190430	480-152814-15	S4727.D	05/09/2019	15:14
LMW-05-20190430	480-152814-16	S4728.D	05/09/2019	15:37
LMW-02-20190430 MS	480-152814-12 MS	S4735.D	05/09/2019	18:19
LMW-02-20190430 MSD	480-152814-12 MSD	S4736.D	05/09/2019	18:42

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

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.: 480-152814-1

SDG No.:

Lab File ID: T0642.D BFB Injection Date: 05/08/2019

Instrument ID: HP5975T BFB Injection Time: 09:00

Analysis Batch No.: 471764

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.1	
75	30.0 - 60.0 % of mass 95	48.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.2	
173	Less than 2.0 % of mass 174	0.9	(1.0) 1
174	50.0 - 120.00 % of mass 95	87.4	
175	5.0 - 9.0 % of mass 174	6.4	(7.3) 1
176	95.0 - 101.0 % of mass 174	87.2	(99.9) 1
177	5.0 - 9.0 % of mass 176	6.2	(7.1) 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 480-471764/3	T0643.D	05/08/2019	09:26
	LCS 480-471764/5	T0645.D	05/08/2019	10:15
	MB 480-471764/7	T0647.D	05/08/2019	11:03
LMW-08-20190429	480-152814-1	T0657.D	05/08/2019	15:13
LMW-14-20190429	480-152814-2	T0658.D	05/08/2019	15:37
LMW-13-20190429	480-152814-3	T0659.D	05/08/2019	16:01
MW-209-20190429	480-152814-5	T0661.D	05/08/2019	16:49
MW-206-20190429	480-152814-6	T0662.D	05/08/2019	17:13
LMW-04-20190429	480-152814-7	T0663.D	05/08/2019	17:37
MW-06-20190429	480-152814-8	T0664.D	05/08/2019	18:01
Trip Blank	480-152814-17	T0665.D	05/08/2019	18:25
LMW-14MS-20190429 MS	480-152814-2 MS	T0666.D	05/08/2019	18:49
LMW-14-MSD20190429 MSD	480-152814-2 MSD	T0667.D	05/08/2019	19:14

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

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 480-471924/3		119455	5.46	250044	8.47	237966	10.85
CCVIS 480-471956/3		117106	5.47	243138	8.47	239974	10.85

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Sample No.: CCVIS 480-471924/3 Date Analyzed: 05/08/2019 19:49

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

Lab File ID (Standard): S4681.D Heated Purge: (Y/N) N

Calibration ID: 36466

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		119455	5.46	250044	8.47	237966	10.85
UPPER LIMIT		238910	5.96	500088	8.97	475932	11.35
LOWER LIMIT		59728	4.96	125022	7.97	118983	10.35
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-471924/5		121518	5.47	249986	8.47	232555	10.85
MB 480-471924/7		109719	5.47	247423	8.47	221958	10.85
480-152814-4	MW-09-20190429	106578	5.47	230861	8.46	216852	10.85

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Sample No.: CCVIS 480-471956/3 Date Analyzed: 05/09/2019 08:15

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

Lab File ID (Standard): S4710.D Heated Purge: (Y/N) N

Calibration ID: 36466

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		117106	5.47	243138	8.47	239974	10.85
UPPER LIMIT		234212	5.97	486276	8.97	479948	11.35
LOWER LIMIT		58553	4.97	121569	7.97	119987	10.35
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-471956/5		120120	5.47	252858	8.47	244115	10.85
MB 480-471956/7		110134	5.47	233118	8.47	220682	10.85
480-152814-9	FB-20190430	106964	5.47	231176	8.47	215997	10.85
480-152814-10	DUP-20190430	109855	5.47	230127	8.47	214412	10.85
480-152814-11	LMW-03-20190430	102084	5.47	204349	8.47	184591	10.85
480-152814-12	LMW-02-20190430	105455	5.47	221518	8.47	197143	10.85
480-152814-13	LMW-11-20190430	104453	5.47	229636	8.47	213549	10.85
480-152814-14	LMW-12-20190430	106828	5.47	224971	8.47	211061	10.85
480-152814-15	LMW-01-20190430	102757	5.47	218351	8.47	195422	10.85
480-152814-16	LMW-05-20190430	101709	5.47	218277	8.47	191635	10.85
480-152814-12 MS	LMW-02-20190430 MS	119725	5.47	241118	8.47	226416	10.85
480-152814-12 MSD	LMW-02-20190430 MSD	119509	5.47	239898	8.47	221180	10.85

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

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 480-471764/3		118357	4.86	447075	7.15	254880	9.01

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Sample No.: CCVIS 480-471764/3 Date Analyzed: 05/08/2019 09:26

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): T0643.D Heated Purge: (Y/N) N

Calibration ID: 36715

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		118357	4.86	447075	7.15	254880	9.01
UPPER LIMIT		236714	5.36	894150	7.65	509760	9.51
LOWER LIMIT		59179	4.36	223538	6.65	127440	8.51
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-471764/5		121963	4.86	447406	7.15	251354	9.01
MB 480-471764/7		110632	4.86	421092	7.15	228925	9.01
480-152814-1	LMW-08-20190429	100726	4.86	367883	7.15	207140	9.01
480-152814-2	LMW-14-20190429	98042	4.86	365768	7.15	209201	9.01
480-152814-3	LMW-13-20190429	92161	4.86	383331	7.15	209011	9.01
480-152814-5	MW-209-20190429	94895	4.86	376964	7.15	202687	9.01
480-152814-6	MW-206-20190429	86042	4.86	362347	7.15	205984	9.01
480-152814-7	LMW-04-20190429	86045	4.86	369228	7.15	202331	9.01
480-152814-8	MW-06-20190429	87799	4.86	367303	7.15	206809	9.01
480-152814-17	Trip Blank	96090	4.86	370923	7.15	207145	9.01
480-152814-2 MS	LMW-14MS-20190429 MS	100559	4.86	392127	7.15	227894	9.01
480-152814-2 MSD	LMW-14-MSD20190429 MSD	101319	4.87	404670	7.15	233986	9.01

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

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-08-20190429 Lab Sample ID: 480-152814-1

Matrix: Water Lab File ID: T0657.D

Analysis Method: 8260C Date Collected: 04/29/2019 10:20

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 15:13

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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	1.1		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	*	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	*	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-08-20190429 Lab Sample ID: 480-152814-1

Matrix: Water Lab File ID: T0657.D

Analysis Method: 8260C Date Collected: 04/29/2019 10:20

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 15:13

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.: 471764 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0657.D
Lims ID: 480-152814-A-1
Client ID: LMW-08-20190429
Sample Type: Client
Inject. Date: 08-May-2019 15:13:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-152814-a-1
Misc. Info.: 480-0080903-018
Operator ID: AEM Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-May-2019 18:52:39 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: CTX0301

First Level Reviewer: milligana Date: 08-May-2019 18:52:41

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	100726	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	88	367883	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	95	207140	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	92	133297	25.5	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	161910	26.6	
$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.001	95	508331	26.0	
$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.082	0.001	0	163068	28.1	
11 Dichlorodifluoromethane	85		1.263				ND	
13 Chloromethane	50		1.408				ND	
14 Vinyl chloride	62		1.501				ND	
15 Bromomethane	94		1.760				ND	
16 Chloroethane	64		1.822				ND	
17 Trichlorofluoromethane	101		2.061				ND	
22 1,1-Dichloroethene	96		2.496				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.506				ND	
23 Acetone	43		2.641				ND	U
25 Carbon disulfide	76		2.682				ND	
28 Methyl acetate	43		2.879				ND	
30 Methylene Chloride	84	3.004	2.983	0.021	56	2619	0.4367	
32 trans-1,2-Dichloroethene	96		3.169				ND	
33 Methyl tert-butyl ether	73		3.169				ND	
36 1,1-Dichloroethane	63	3.553	3.532	0.021	94	9683	1.06	
43 cis-1,2-Dichloroethene	96		4.009				ND	
44 2-Butanone (MEK)	43		4.030				ND	
50 Chloroform	83		4.258				ND	
52 Cyclohexane	56		4.361				ND	
51 1,1,1-Trichloroethane	97		4.361				ND	
53 Carbon tetrachloride	117		4.465				ND	
55 Benzene	78		4.641				ND	
57 1,2-Dichloroethane	62		4.693				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		5.315				ND	
67 Dichlorobromomethane	83		5.543				ND	
71 cis-1,3-Dichloropropene	75		5.853				ND	
72 4-Methyl-2-pentanone (MIBK	43		5.967				ND	
73 Toluene	92		6.071				ND	
75 trans-1,3-Dichloropropene	75		6.289				ND	
78 1,1,2-Trichloroethane	83		6.434				ND	
79 Tetrachloroethene	166		6.475				ND	
81 2-Hexanone	43		6.568				ND	
82 Chlorodibromomethane	129		6.734				ND	
83 Ethylene Dibromide	107		6.817				ND	
86 Chlorobenzene	112		7.170				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		7.854				ND	
95 Isopropylbenzene	105		7.926				ND	
98 1,1,2,2-Tetrachloroethane	83		8.237				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_00188	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00218	Amount Added:	1.00	Units: uL	Run Reagent

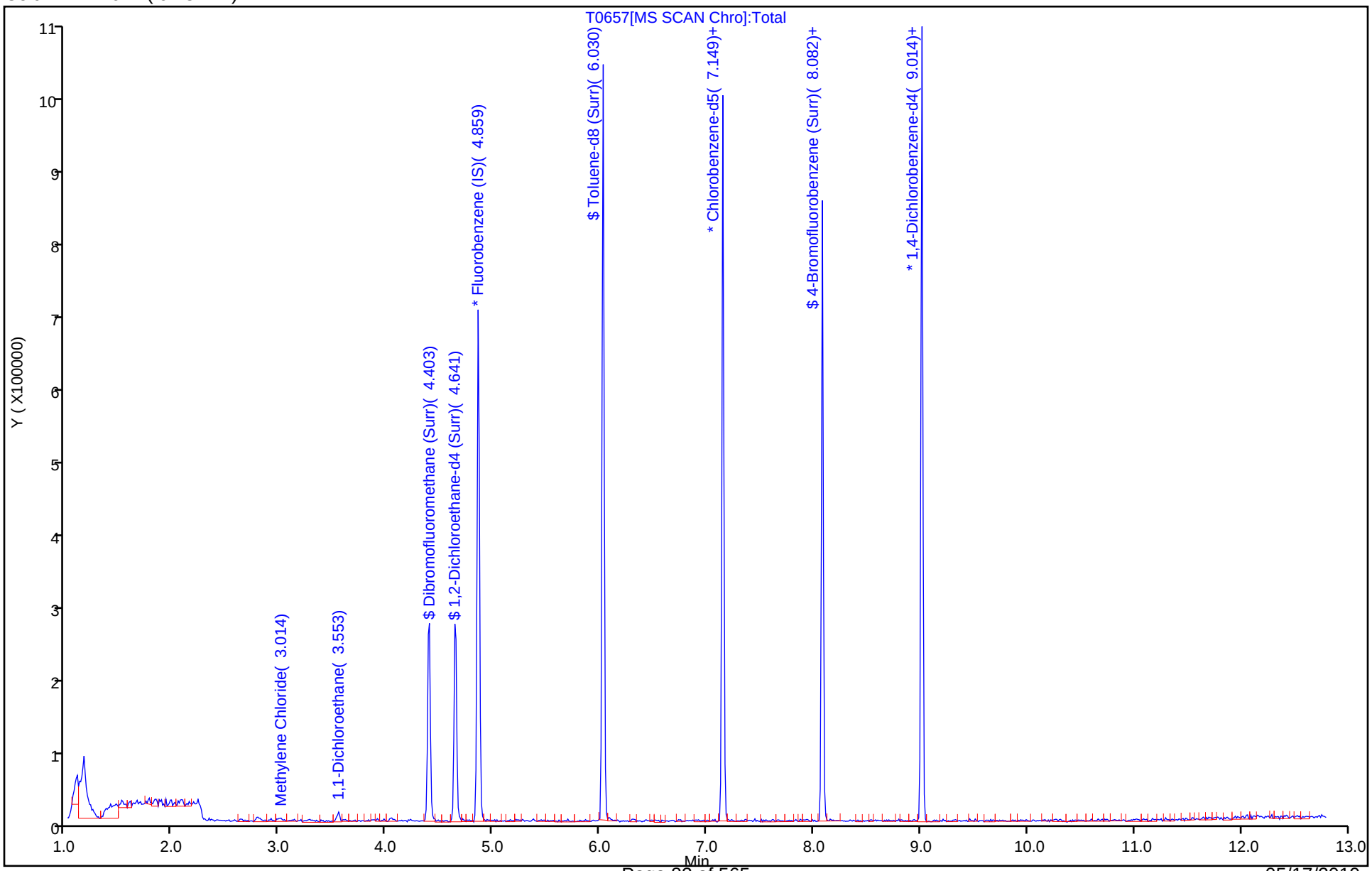
Report Date: 08-May-2019 18:52:41 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0657.D

Injection Date:	08-May-2019 15:13:30	Instrument ID:	HP5975T	Operator ID:	AEM
Lims ID:	480-152814-A-1	Lab Sample ID:	480-152814-1	Worklist Smp#:	18
Client ID:	LMW-08-20190429				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Report Date: 08-May-2019 18:52:41 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0657.D

Injection Date: 08-May-2019 15:13:30 Instrument ID: HP5975T

Lims ID: 480-152814-A-1 Lab Sample ID: 480-152814-1

Client ID: LMW-08-20190429

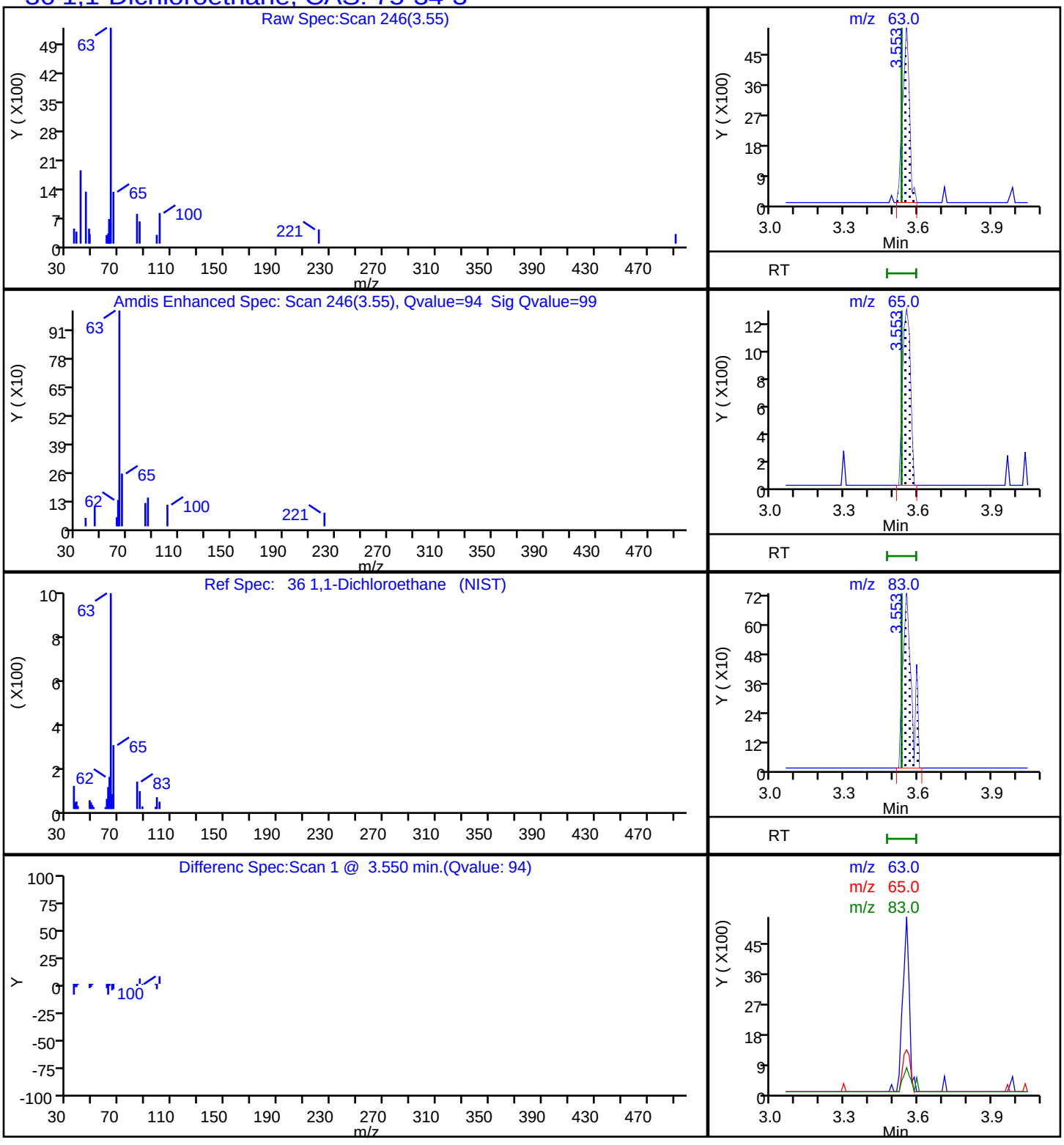
Operator ID: AEM ALS Bottle#: 17 Worklist Smp#: 18

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

36 1,1-Dichloroethane, CAS: 75-34-3



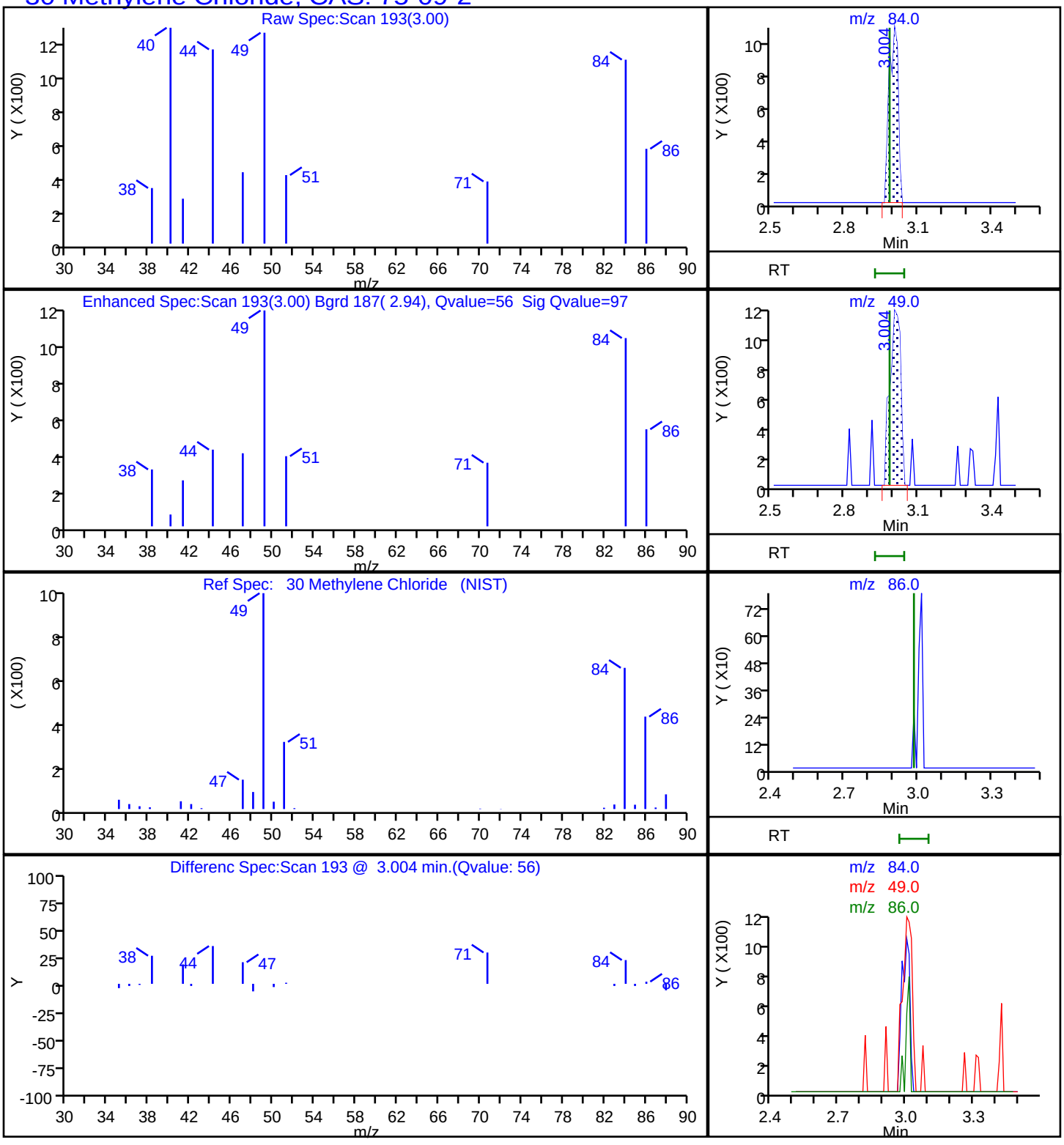
Report Date: 08-May-2019 18:52:41 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0657.D

Injection Date:	08-May-2019 15:13:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-1	Lab Sample ID:	480-152814-1		
Client ID:	LMW-08-20190429				
Operator ID:	AEM	ALS Bottle#:	17	Worklist Smp#:	18
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		

30 Methylene Chloride, CAS: 75-09-2



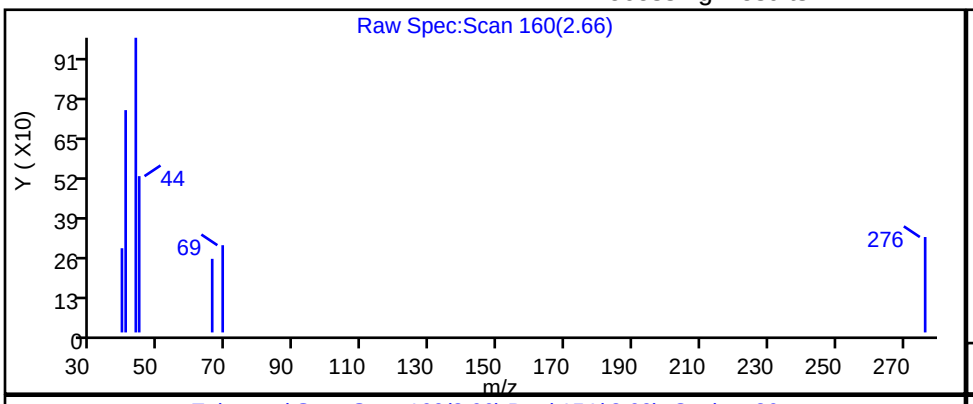
User Disabled Compound Report

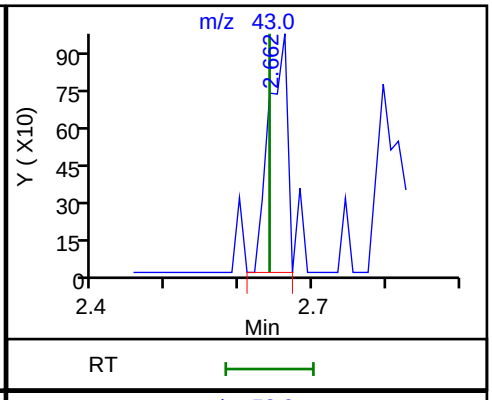
Eurofins TestAmerica, Buffalo

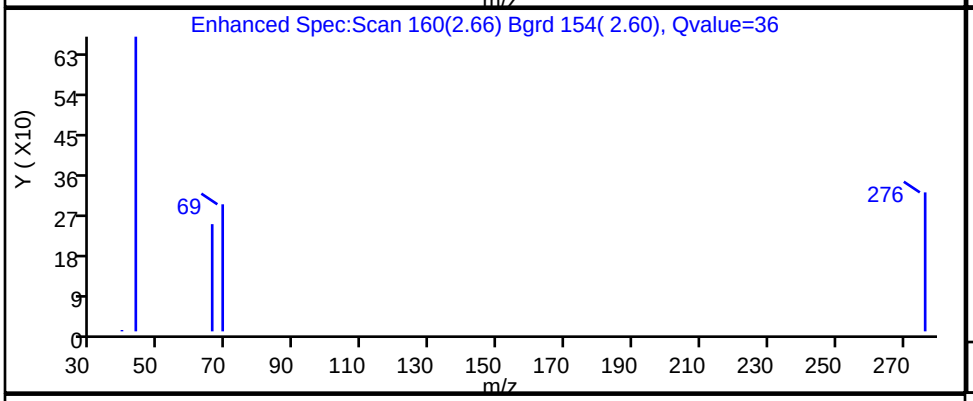
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0657.D				
Injection Date:	08-May-2019 15:13:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-1	Lab Sample ID:	480-152814-1		
Client ID:	LMW-08-20190429				
Operator ID:	AEM	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

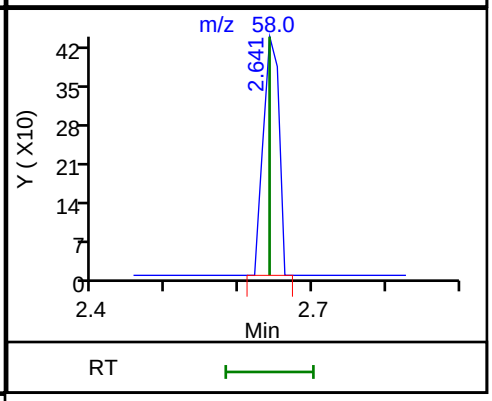
23 Acetone, CAS: 67-64-1

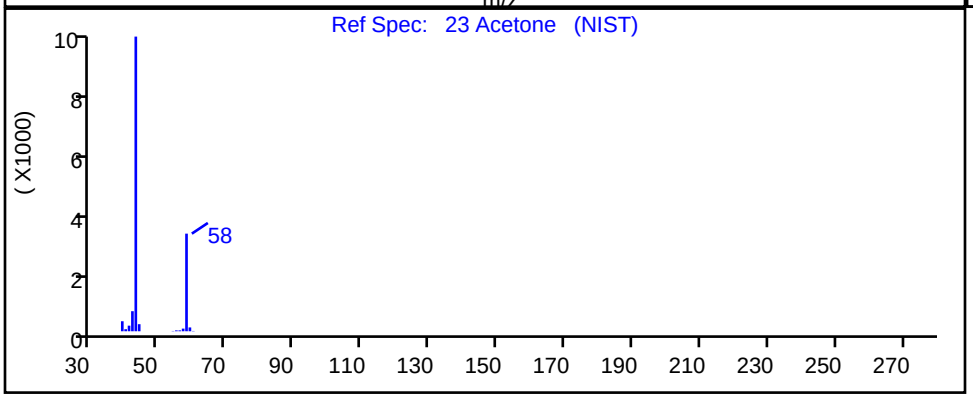
Processing Results











RT	Mass	Response	Amount
2.66	43.00	1694	1.157109
2.64	58.00	641	

Reviewer: milligana, 08-May-2019 18:52:22

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.: 480-152814-1

SDG No.:

Client Sample ID: LMW-14-20190429 Lab Sample ID: 480-152814-2

Matrix: Water Lab File ID: T0658.D

Analysis Method: 8260C Date Collected: 04/29/2019 11:00

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 15:37

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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND	F1	1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	* 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		1.0	0.75
124-48-1	Dibromochloromethane	ND	* F1	1.0	0.32
75-00-3	Chloroethane	ND	F1	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		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-14-20190429 Lab Sample ID: 480-152814-2

Matrix: Water Lab File ID: T0658.D

Analysis Method: 8260C Date Collected: 04/29/2019 11:00

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 15:37

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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND	F1	1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	115		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0658.D
Lims ID: 480-152814-B-2
Client ID: LMW-14-20190429
Sample Type: Client
Inject. Date: 08-May-2019 15:37:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-152814-b-2
Misc. Info.: 480-0080903-019
Operator ID: AEM Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-May-2019 18:53:06 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: CTX0301

First Level Reviewer: milligana Date: 08-May-2019 18:53:07

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	98042	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	89	365768	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	96	209201	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	91	129510	25.4	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	153217	25.9	
$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.001	96	497288	25.6	
$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.082	0.001	0	166456	28.8	
11 Dichlorodifluoromethane	85		1.263				ND	
13 Chloromethane	50		1.408				ND	
14 Vinyl chloride	62		1.501				ND	
15 Bromomethane	94		1.760				ND	
16 Chloroethane	64		1.822				ND	U
17 Trichlorofluoromethane	101		2.061				ND	
22 1,1-Dichloroethene	96		2.496				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.506				ND	
23 Acetone	43		2.641				ND	U
25 Carbon disulfide	76		2.682				ND	
28 Methyl acetate	43		2.879				ND	
30 Methylene Chloride	84		2.983				ND	
32 trans-1,2-Dichloroethene	96		3.169				ND	
33 Methyl tert-butyl ether	73		3.169				ND	
36 1,1-Dichloroethane	63		3.532				ND	
43 cis-1,2-Dichloroethene	96		4.009				ND	
44 2-Butanone (MEK)	43		4.030				ND	
50 Chloroform	83		4.258				ND	
52 Cyclohexane	56		4.361				ND	
51 1,1,1-Trichloroethane	97		4.361				ND	
53 Carbon tetrachloride	117		4.465				ND	
55 Benzene	78		4.641				ND	
57 1,2-Dichloroethane	62		4.693				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		5.315				ND	
67 Dichlorobromomethane	83		5.543				ND	
71 cis-1,3-Dichloropropene	75		5.853				ND	
72 4-Methyl-2-pentanone (MIBK	43		5.967				ND	
73 Toluene	92		6.071				ND	
75 trans-1,3-Dichloropropene	75		6.289				ND	
78 1,1,2-Trichloroethane	83		6.434				ND	
79 Tetrachloroethene	166		6.475				ND	
81 2-Hexanone	43		6.568				ND	
82 Chlorodibromomethane	129		6.734				ND	
83 Ethylene Dibromide	107		6.817				ND	
86 Chlorobenzene	112		7.170				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		7.854				ND	
95 Isopropylbenzene	105		7.926				ND	
98 1,1,2,2-Tetrachloroethane	83		8.237				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_00188	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00218	Amount Added:	1.00	Units: uL	Run Reagent

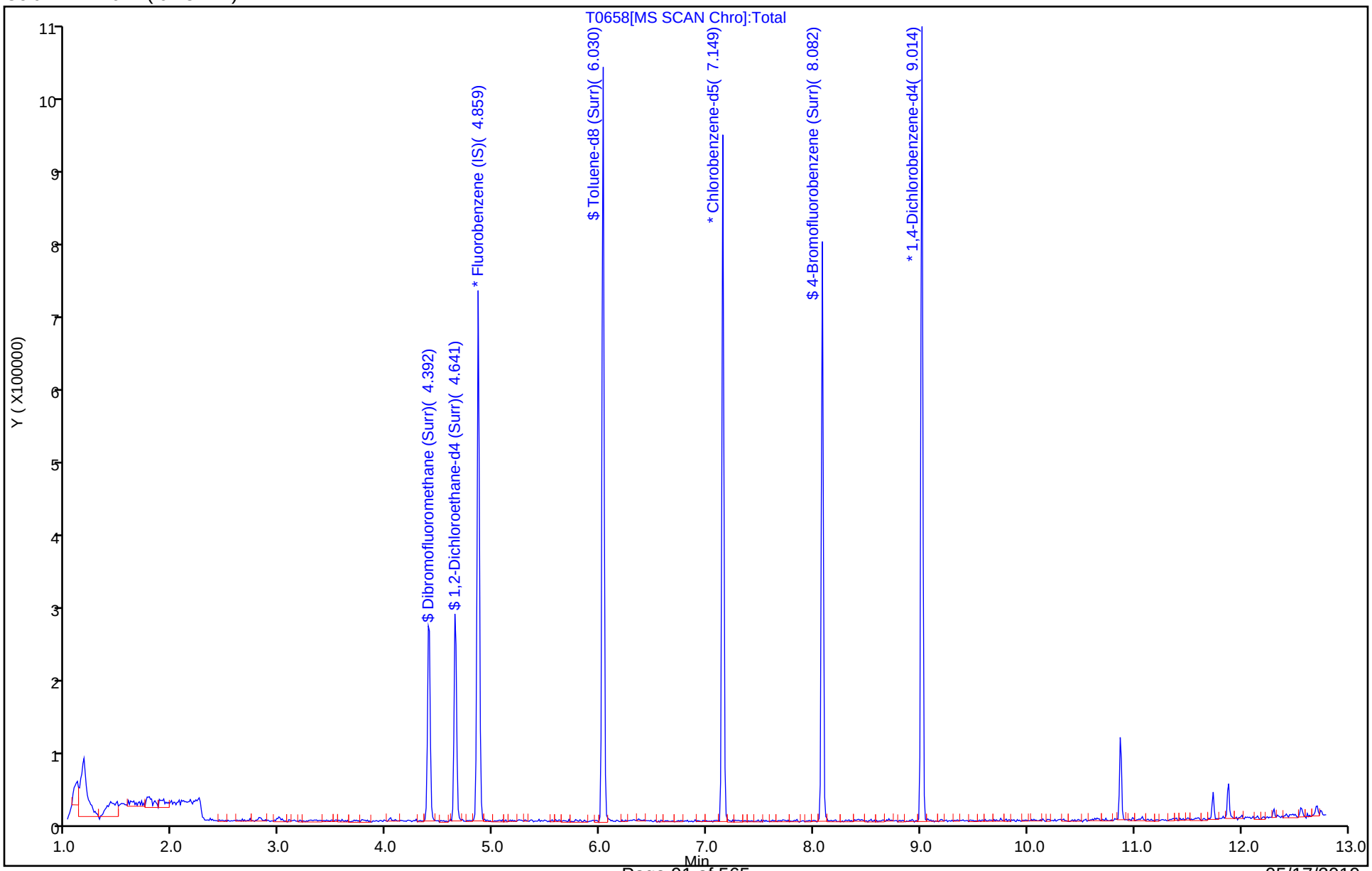
Report Date: 08-May-2019 18:53:07 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0658.D

Injection Date:	08-May-2019 15:37:30	Instrument ID:	HP5975T	Operator ID:	AEM
Lims ID:	480-152814-B-2	Lab Sample ID:	480-152814-2	Worklist Smp#:	19
Client ID:	LMW-14-20190429				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



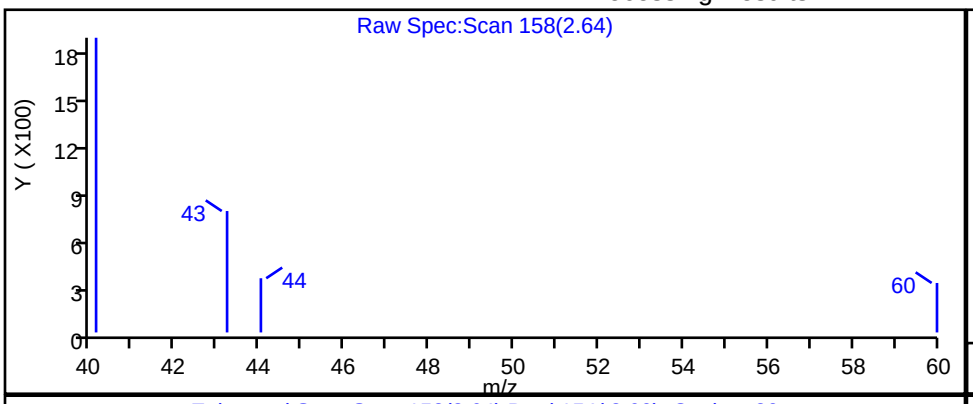
User Disabled Compound Report

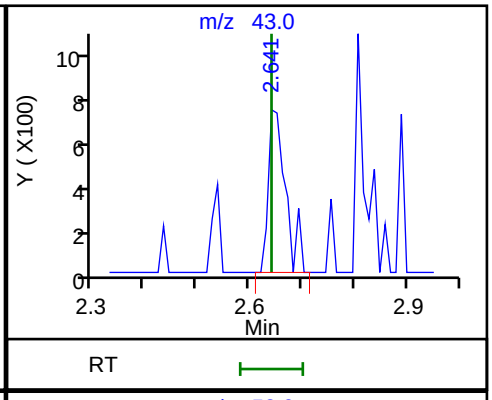
Eurofins TestAmerica, Buffalo

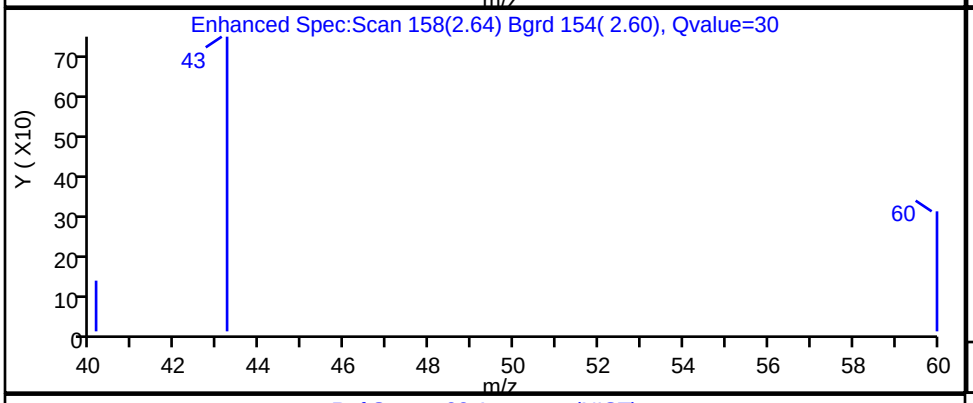
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0658.D				
Injection Date:	08-May-2019 15:37:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-B-2	Lab Sample ID:	480-152814-2		
Client ID:	LMW-14-20190429				
Operator ID:	AEM	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

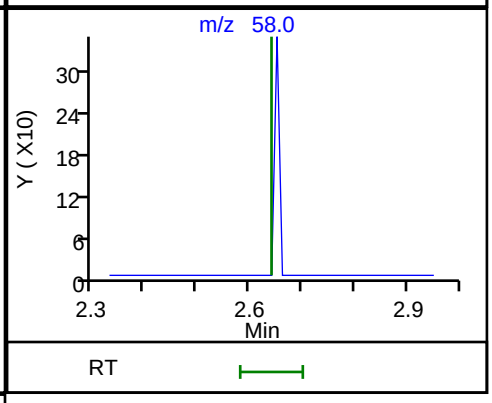
23 Acetone, CAS: 67-64-1

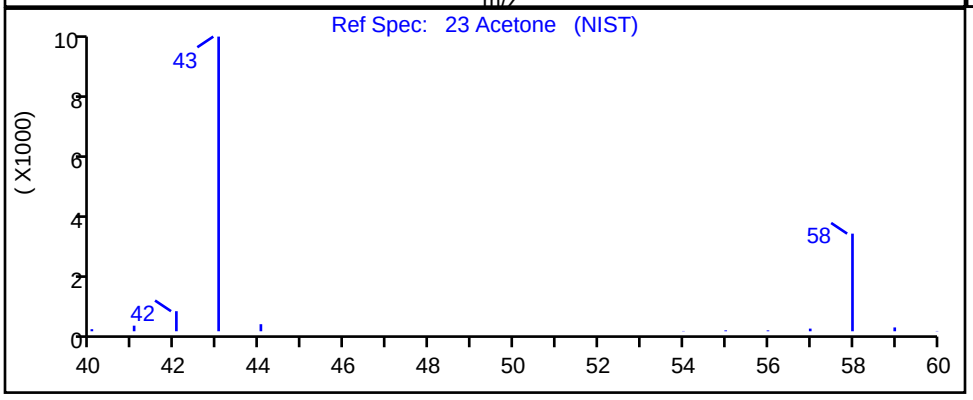
Processing Results











RT	Mass	Response	Amount
2.64	43.00	1721	1.207733
2.64	58.00	0	

Reviewer: milligana, 08-May-2019 18:52:52

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

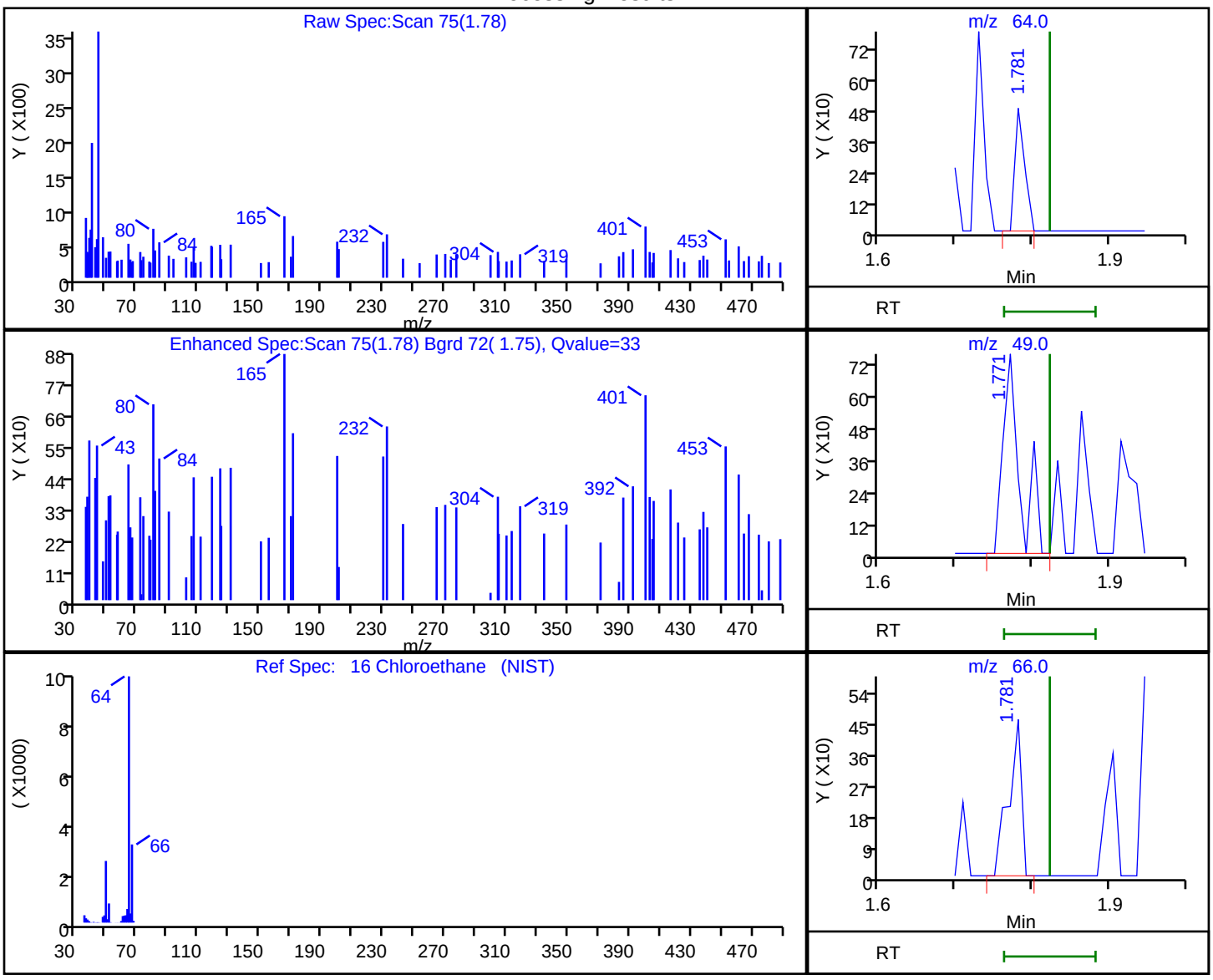
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0658.D				
Injection Date:	08-May-2019 15:37:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-B-2	Lab Sample ID:	480-152814-2		
Client ID:	LMW-14-20190429				
Operator ID:	AEM	ALS Bottle#:	18	Worklist Smp#:	19
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

Processing Results



RT	Mass	Response	Amount
1.78	64.00	432	-0.573319
1.77	49.00	1156	
1.78	66.00	538	

Reviewer: milligana, 08-May-2019 18:52:48

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.: 480-152814-1

SDG No.:

Client Sample ID: LMW-13-20190429 Lab Sample ID: 480-152814-3

Matrix: Water Lab File ID: T0659.D

Analysis Method: 8260C Date Collected: 04/29/2019 11:35

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 16:01

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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	65		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	5.9		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	*	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	*	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-13-20190429 Lab Sample ID: 480-152814-3

Matrix: Water Lab File ID: T0659.D

Analysis Method: 8260C Date Collected: 04/29/2019 11:35

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 16:01

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.: 471764 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
1868-53-7	Dibromofluoromethane (Surr)	112		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0659.D
Lims ID: 480-152814-B-3
Client ID: LMW-13-20190429
Sample Type: Client
Inject. Date: 08-May-2019 16:01:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-152814-b-3
Misc. Info.: 480-0080903-020
Operator ID: AEM Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-May-2019 18:53:06 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: CTX0301

First Level Reviewer: milligana Date: 08-May-2019 18:53:36

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	92161	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	90	383331	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	95	209011	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	92	133837	28.0	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	146581	26.3	
$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.001	95	478118	23.5	
$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.082	0.001	0	169208	28.0	
11 Dichlorodifluoromethane	85		1.263				ND	
13 Chloromethane	50		1.408				ND	
14 Vinyl chloride	62		1.501				ND	
15 Bromomethane	94		1.760				ND	
16 Chloroethane	64		1.822				ND	
17 Trichlorofluoromethane	101		2.061				ND	
22 1,1-Dichloroethene	96		2.496				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.506				ND	
23 Acetone	43	2.641	2.641	0.000	56	1950	1.46	
25 Carbon disulfide	76		2.682				ND	
28 Methyl acetate	43		2.879				ND	
30 Methylene Chloride	84	3.004	2.983	0.021	40	1565	0.2852	
32 trans-1,2-Dichloroethene	96		3.169				ND	
33 Methyl tert-butyl ether	73		3.169				ND	
36 1,1-Dichloroethane	63	3.553	3.532	0.021	96	49356	5.89	
43 cis-1,2-Dichloroethene	96		4.009				ND	
44 2-Butanone (MEK)	43		4.030				ND	
50 Chloroform	83		4.258				ND	
52 Cyclohexane	56		4.361				ND	
51 1,1,1-Trichloroethane	97	4.372	4.361	0.011	97	388029	64.6	
53 Carbon tetrachloride	117		4.465				ND	
55 Benzene	78		4.641				ND	
57 1,2-Dichloroethane	62		4.693				ND	
60 Trichloroethene	95	5.128	5.128	0.000	52	1987	0.4045	

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		5.315				ND	
67 Dichlorobromomethane	83		5.543				ND	
71 cis-1,3-Dichloropropene	75		5.853				ND	
72 4-Methyl-2-pentanone (MIBK	43		5.967				ND	
73 Toluene	92		6.071				ND	
75 trans-1,3-Dichloropropene	75		6.289				ND	
78 1,1,2-Trichloroethane	83		6.434				ND	
79 Tetrachloroethene	166		6.475				ND	
81 2-Hexanone	43		6.568				ND	
82 Chlorodibromomethane	129		6.734				ND	
83 Ethylene Dibromide	107		6.817				ND	
86 Chlorobenzene	112		7.170				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		7.854				ND	
95 Isopropylbenzene	105		7.926				ND	
98 1,1,2,2-Tetrachloroethane	83		8.237				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	

Reagents:

T_8260_Surr_00188	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00218	Amount Added:	1.00	Units: uL	Run Reagent

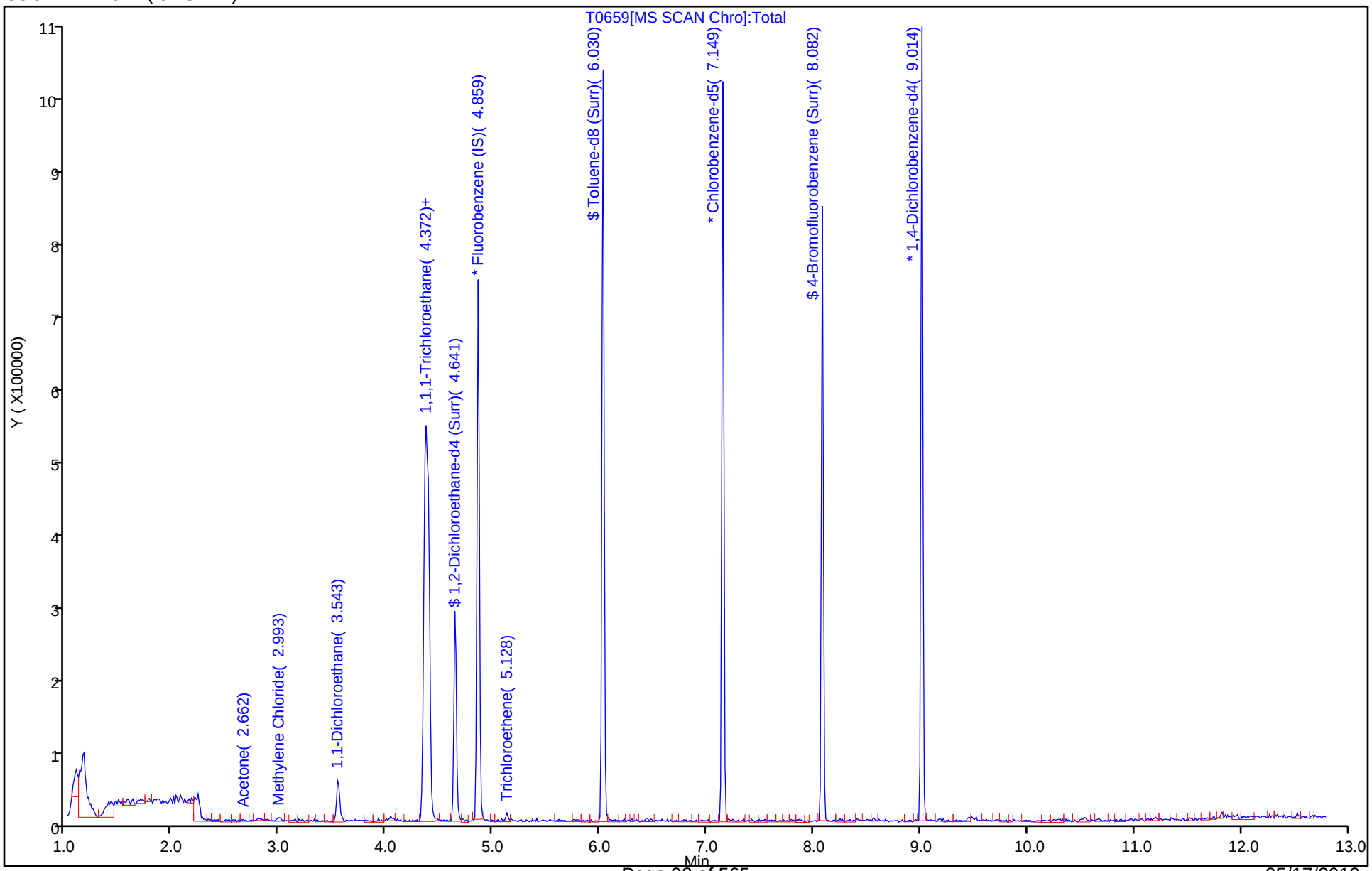
Report Date: 08-May-2019 18:53:36 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0659.D

Injection Date:	08-May-2019 16:01:30	Instrument ID:	HP5975T	Operator ID:	AEM
Lims ID:	480-152814-B-3	Lab Sample ID:	480-152814-3	Worklist Smp#:	20
Client ID:	LMW-13-20190429				
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)



Report Date: 08-May-2019 18:53:37 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0659.D

Injection Date: 08-May-2019 16:01:30 Instrument ID: HP5975T

Lims ID: 480-152814-B-3 Lab Sample ID: 480-152814-3

Client ID: LMW-13-20190429

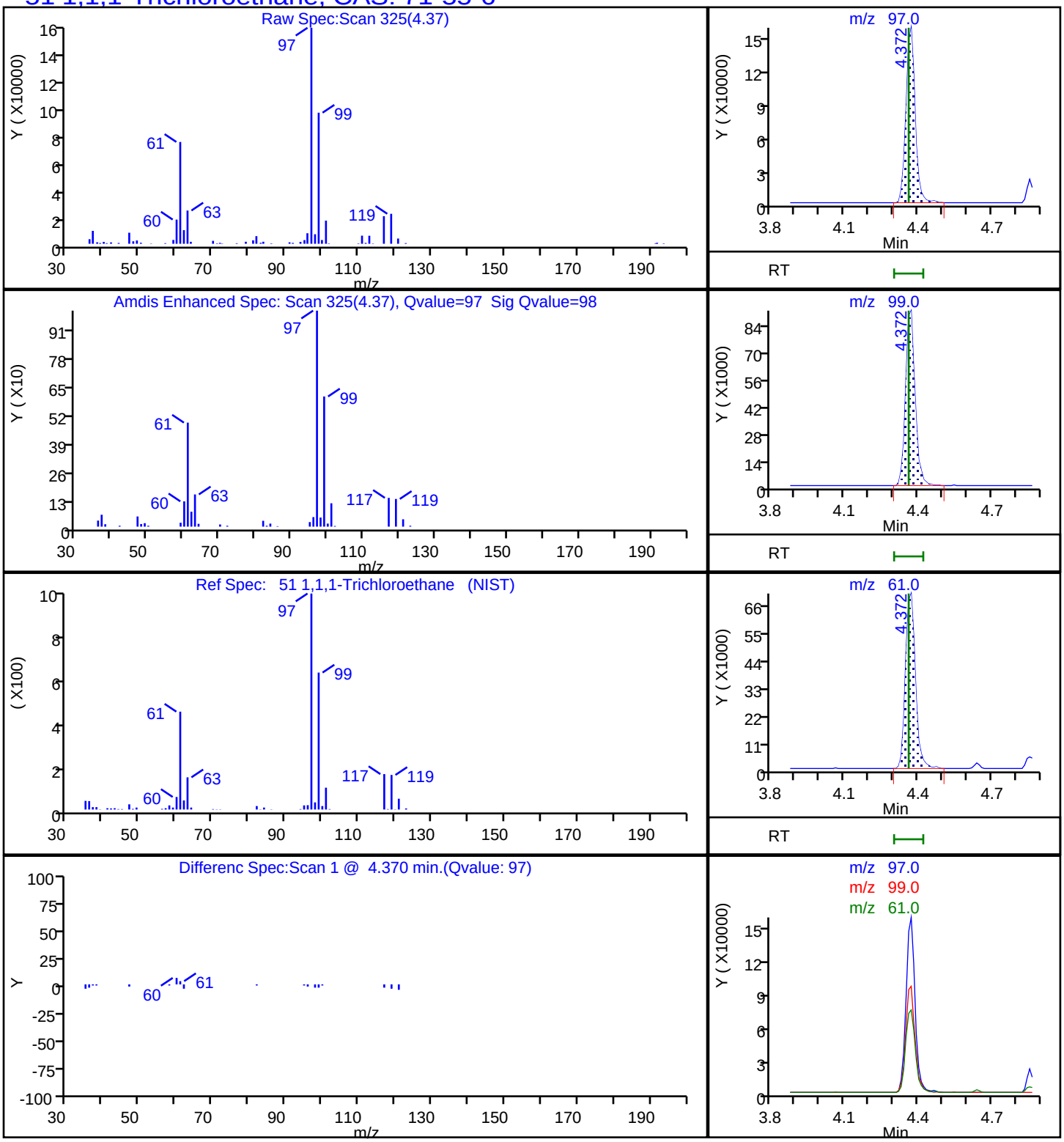
Operator ID: AEM ALS Bottle#: 19 Worklist Smp#: 20

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

51 1,1,1-Trichloroethane, CAS: 71-55-6

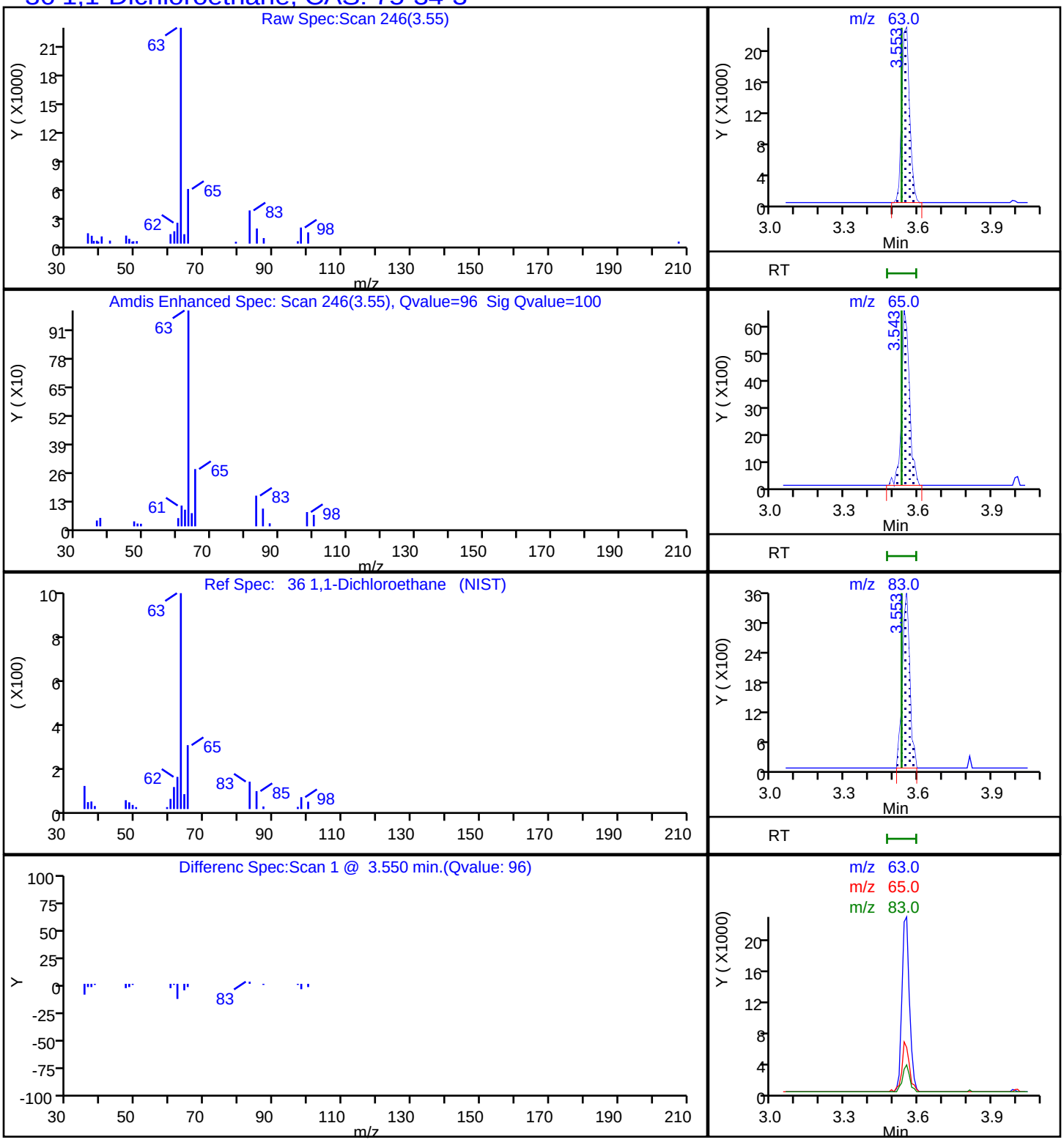


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0659.D

Injection Date:	08-May-2019 16:01:30	Instrument ID:	HP5975T
Lims ID:	480-152814-B-3	Lab Sample ID:	480-152814-3
Client ID:	LMW-13-20190429		
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

36 1,1-Dichloroethane, CAS: 75-34-3



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: MW-09-20190429 Lab Sample ID: 480-152814-4

Matrix: Water Lab File ID: S4703.D

Analysis Method: 8260C Date Collected: 04/29/2019 12:05

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 04:33

Soil Aliquot Vol: Dilution Factor: 8

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 471924 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		8.0	6.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		8.0	1.7
79-00-5	1,1,2-Trichloroethane	ND		8.0	1.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5
75-34-3	1,1-Dichloroethane	ND		8.0	3.0
75-35-4	1,1-Dichloroethene	ND		8.0	2.3
120-82-1	1,2,4-Trichlorobenzene	ND		8.0	3.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND		8.0	3.1
95-50-1	1,2-Dichlorobenzene	ND		8.0	6.3
107-06-2	1,2-Dichloroethane	ND		8.0	1.7
78-87-5	1,2-Dichloropropane	ND		8.0	5.8
541-73-1	1,3-Dichlorobenzene	ND		8.0	6.2
106-46-7	1,4-Dichlorobenzene	ND		8.0	6.7
78-93-3	2-Butanone (MEK)	ND		80	11
591-78-6	2-Hexanone	ND		40	9.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		40	17
67-64-1	Acetone	ND		80	24
71-43-2	Benzene	ND		8.0	3.3
75-27-4	Bromodichloromethane	ND		8.0	3.1
75-25-2	Bromoform	ND		8.0	2.1
74-83-9	Bromomethane	ND		8.0	5.5
75-15-0	Carbon disulfide	ND		8.0	1.5
56-23-5	Carbon tetrachloride	ND		8.0	2.2
108-90-7	Chlorobenzene	ND		8.0	6.0
124-48-1	Dibromochloromethane	ND		8.0	2.6
75-00-3	Chloroethane	ND		8.0	2.6
67-66-3	Chloroform	ND		8.0	2.7
74-87-3	Chloromethane	ND		8.0	2.8
156-59-2	cis-1,2-Dichloroethene	290		8.0	6.5
10061-01-5	cis-1,3-Dichloropropene	ND		8.0	2.9
110-82-7	Cyclohexane	ND		8.0	1.4
75-71-8	Dichlorodifluoromethane	ND		8.0	5.4
100-41-4	Ethylbenzene	ND		8.0	5.9
106-93-4	1,2-Dibromoethane	ND		8.0	5.8
98-82-8	Isopropylbenzene	ND		8.0	6.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: MW-09-20190429 Lab Sample ID: 480-152814-4

Matrix: Water Lab File ID: S4703.D

Analysis Method: 8260C Date Collected: 04/29/2019 12:05

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 04:33

Soil Aliquot Vol: Dilution Factor: 8

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 471924 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		20	10
1634-04-4	Methyl tert-butyl ether	ND		8.0	1.3
108-87-2	Methylcyclohexane	ND		8.0	1.3
75-09-2	Methylene Chloride	ND		8.0	3.5
100-42-5	Styrene	ND		8.0	5.8
127-18-4	Tetrachloroethene	320		8.0	2.9
108-88-3	Toluene	ND		8.0	4.1
156-60-5	trans-1,2-Dichloroethene	ND		8.0	7.2
10061-02-6	trans-1,3-Dichloropropene	ND		8.0	3.0
79-01-6	Trichloroethene	78		8.0	3.7
75-69-4	Trichlorofluoromethane	ND		8.0	7.0
75-01-4	Vinyl chloride	ND		8.0	7.2
1330-20-7	Xylenes, Total	ND		16	5.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	88		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S4703.D
Lims ID: 480-152814-B-4
Client ID: LMW-09-20190429
Sample Type: Client
Inject. Date: 09-May-2019 04:33:30 ALS Bottle#: 25 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 8.0000
Sample Info: 480-152814-B-4
Misc. Info.: 480-0080924-030
Operator ID: AEM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 08:21:34 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: CTX0320

First Level Reviewer: moffata Date: 09-May-2019 08:21:34

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	106578	25.0	
* 2 Chlorobenzene-d5	82	8.460	8.466	-0.006	86	230861	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.845	0.006	94	216852	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	57	141130	24.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.194	5.193	0.001	92	91963	25.5	
$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	92	543809	23.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	89	156121	22.1	
10 Dichlorodifluoromethane	85		1.276				ND	
12 Chloromethane	50		1.458				ND	
13 Vinyl chloride	62		1.555				ND	
14 Bromomethane	94		1.841				ND	
15 Chloroethane	64		1.945				ND	
17 Trichlorofluoromethane	101		2.164				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.675				ND	
22 1,1-Dichloroethene	96		2.681				ND	
23 Acetone	43		2.802				ND	
26 Carbon disulfide	76		2.876				ND	
27 Methyl acetate	43		3.101				ND	
30 Methylene Chloride	84		3.204				ND	
32 Methyl tert-butyl ether	73		3.417				ND	
34 trans-1,2-Dichloroethene	96		3.429				ND	U
39 1,1-Dichloroethane	63		3.849				ND	
45 cis-1,2-Dichloroethene	96	4.415	4.409	0.006	69	260545	36.2	
43 2-Butanone (MEK)	43		4.457				ND	
50 Chloroform	83		4.731				ND	
51 1,1,1-Trichloroethane	97		4.834				ND	
52 Cyclohexane	56		4.847				ND	
55 Carbon tetrachloride	117		4.974				ND	
57 Benzene	78		5.193				ND	
58 1,2-Dichloroethane	62		5.272				ND	
62 Trichloroethene	95	5.808	5.808	0.000	90	61071	9.70	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.923				ND	
65 1,2-Dichloropropane	63		6.051				ND	
68 Dichlorobromomethane	83		6.343				ND	
72 cis-1,3-Dichloropropene	75		6.763				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		7.523				ND	
81 Tetrachloroethene	166	7.572	7.578	-0.006	93	277056	39.8	
80 2-Hexanone	43		7.748				ND	
83 Chlorodibromomethane	129		7.913				ND	
84 Ethylene Dibromide	107		8.016				ND	
87 Chlorobenzene	112		8.491				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		9.415				ND	
94 Isopropylbenzene	105		9.519				ND	
97 1,1,2,2-Tetrachloroethane	83		9.926				ND	
111 1,3-Dichlorobenzene	146		10.778				ND	
113 1,4-Dichlorobenzene	146		10.869				ND	
116 1,2-Dichlorobenzene	146		11.222				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.958				ND	
119 1,2,4-Trichlorobenzene	180		12.627				ND	
S 124 Xylenes, Total	1		30.000				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

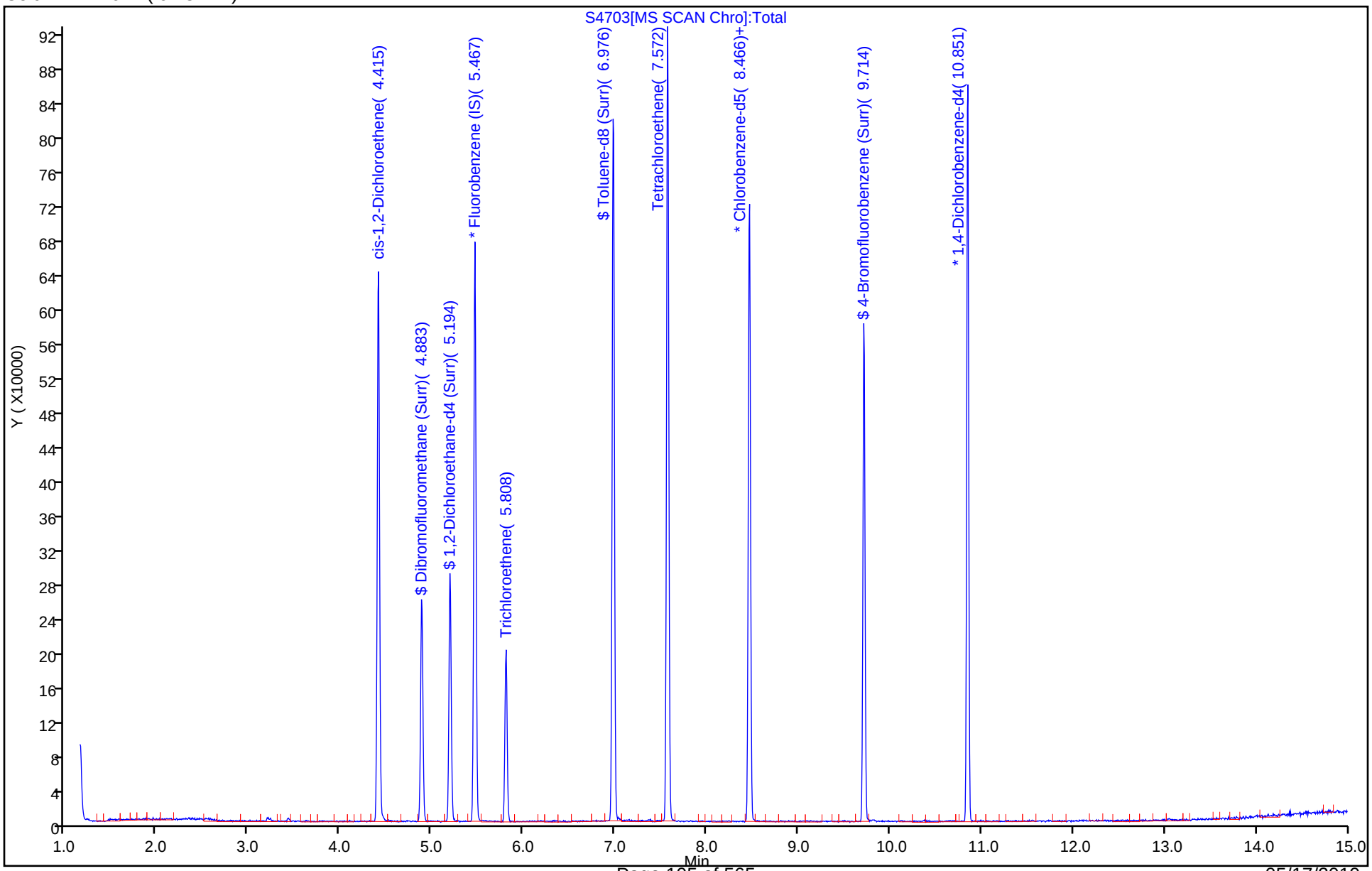
Report Date: 09-May-2019 08:21:34 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S4703.D

Injection Date:	09-May-2019 04:33:30	Instrument ID:	HP5973S	Operator ID:	AEM
Lims ID:	480-152814-B-4	Lab Sample ID:	480-152814-4	Worklist Smp#:	30
Client ID:	LMW-09-20190429				
Purge Vol:	5.000 mL	Dil. Factor:	8.0000	ALS Bottle#:	25
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

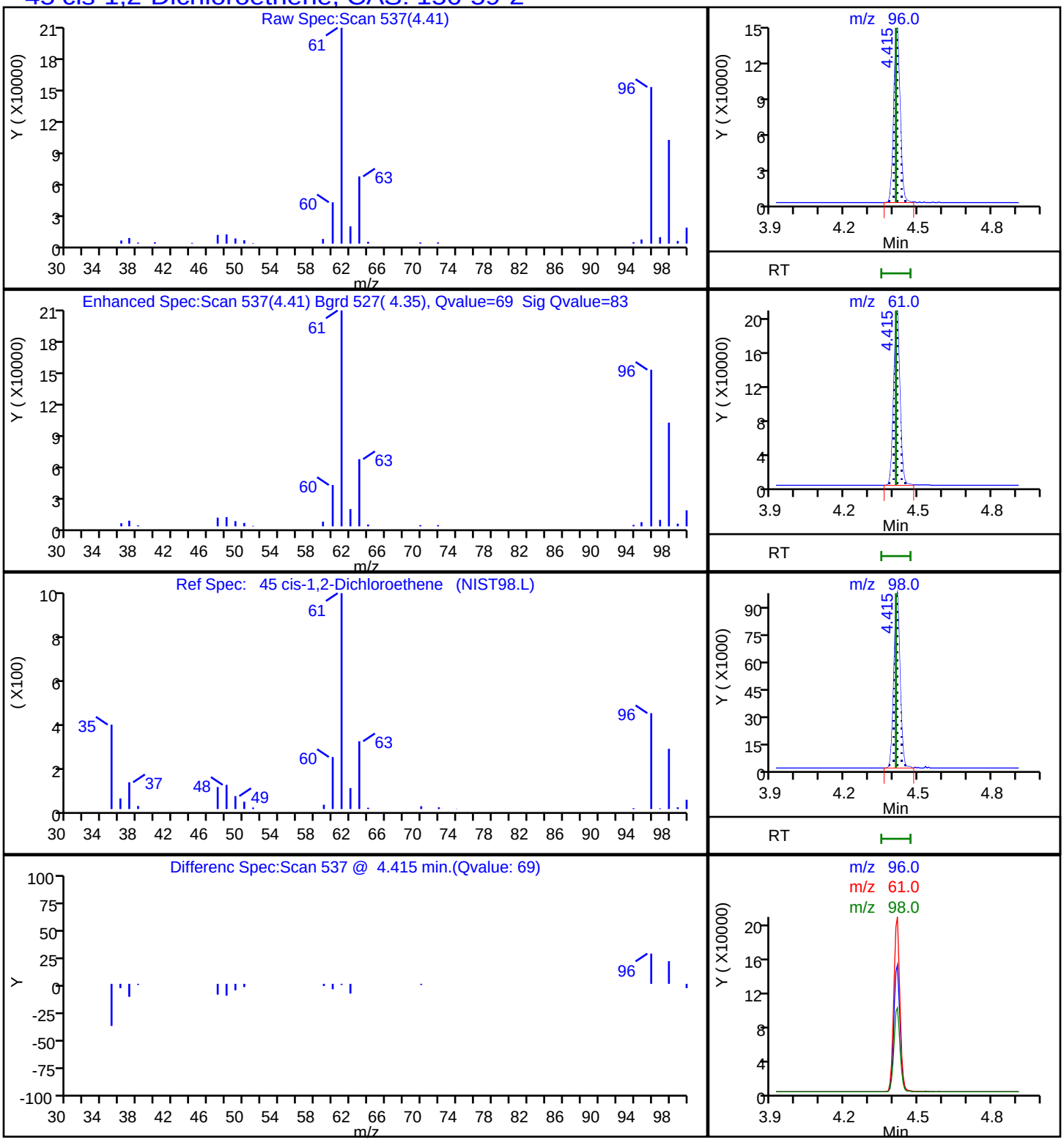
Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S4703.D				
Injection Date:	09-May-2019 04:33:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-B-4	Lab Sample ID:	480-152814-4		
Client ID:	LMW-09-20190429				
Operator ID:	AEM	ALS Bottle#:	25	Worklist Smp#:	30
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

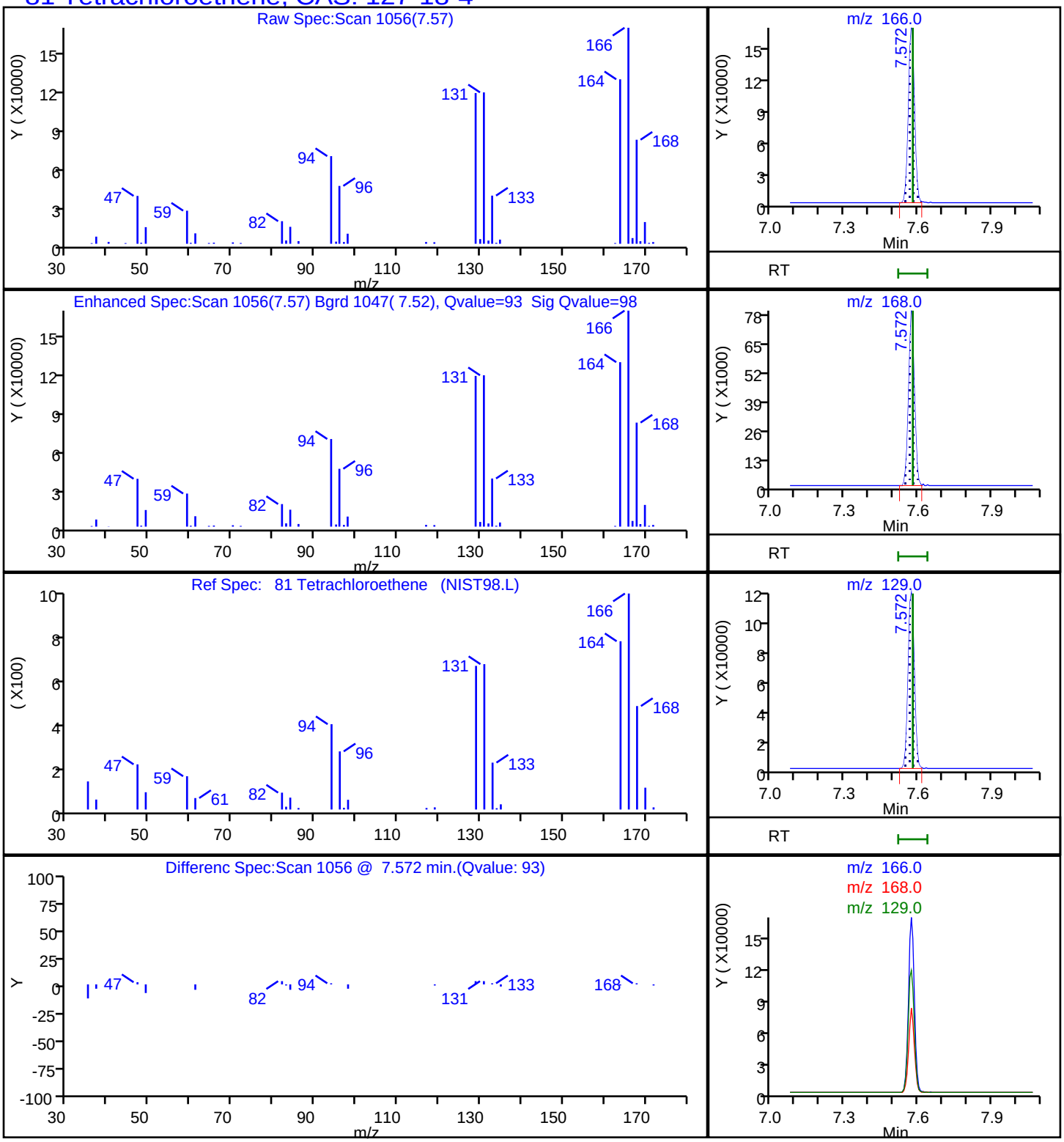
45 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S4703.D				
Injection Date:	09-May-2019 04:33:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-B-4	Lab Sample ID:	480-152814-4		
Client ID:	LMW-09-20190429				
Operator ID:	AEM	ALS Bottle#:	25	Worklist Smp#:	30
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4



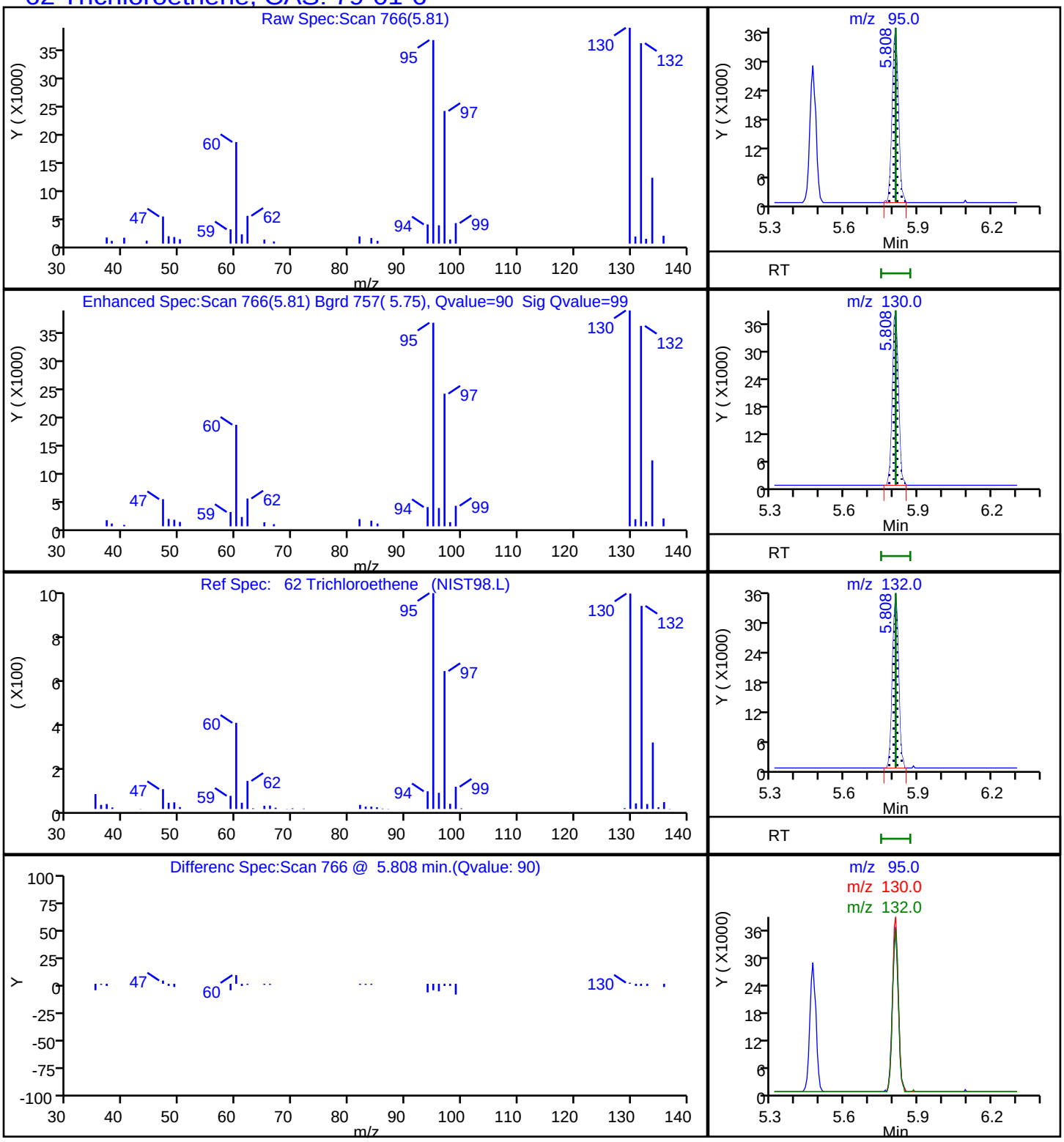
Report Date: 09-May-2019 08:21:34 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S4703.D

Injection Date:	09-May-2019 04:33:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-B-4	Lab Sample ID:	480-152814-4		
Client ID:	LMW-09-20190429				
Operator ID:	AEM	ALS Bottle#:	25	Worklist Smp#:	30
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

62 Trichloroethene, CAS: 79-01-6



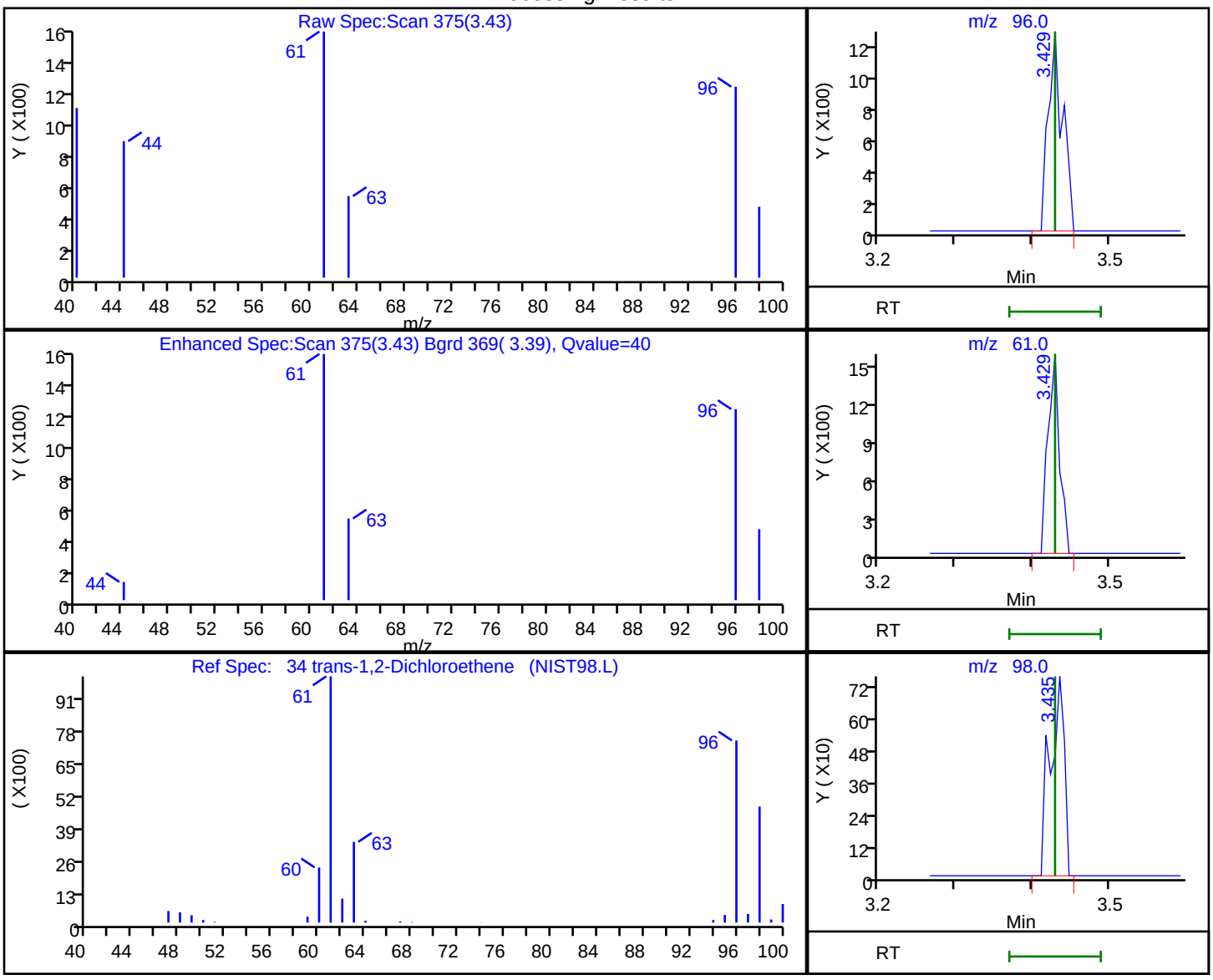
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S4703.D				
Injection Date:	09-May-2019 04:33:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-B-4	Lab Sample ID:	480-152814-4		
Client ID:	LMW-09-20190429				
Operator ID:	AEM	ALS Bottle#:	25	Worklist Smp#:	30
Purge Vol:	5.000 mL	Dil. Factor:	8.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Processing Results



RT	Mass	Response	Amount
3.43	96.00	1613	0.248344
3.43	61.00	1677	
3.44	98.00	966	

Reviewer: moffata, 09-May-2019 08:21:20

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.: 480-152814-1

SDG No.:

Client Sample ID: MW-209-20190429 Lab Sample ID: 480-152814-5

Matrix: Water Lab File ID: T0661.D

Analysis Method: 8260C Date Collected: 04/29/2019 12:45

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 16:49

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.: 471764 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
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
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
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
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
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
124-48-1	Dibromochloromethane	ND	*	4.0	1.3
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	11		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
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: MW-209-20190429 Lab Sample ID: 480-152814-5

Matrix: Water Lab File ID: T0661.D

Analysis Method: 8260C Date Collected: 04/29/2019 12:45

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 16:49

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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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	4.0		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	130		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	24		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	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		77-120
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0661.D
Lims ID: 480-152814-A-5
Client ID: MW-209-20190429
Sample Type: Client
Inject. Date: 08-May-2019 16:49:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-152814-a-5
Misc. Info.: 480-0080903-022
Operator ID: AEM Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-May-2019 18:54:49 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: CTX0301

First Level Reviewer: milligana Date: 08-May-2019 18:54:51

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	0.000	97	94895	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	87	376964	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	96	202687	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.403	4.392	0.011	91	124356	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.651	4.641	0.010	0	152998	26.7	
$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.001	95	490156	24.5	
$ 7 4-Bromofluorobenzene (Surr	174	8.081	8.082	0.000	0	162160	27.3	
11 Dichlorodifluoromethane	85		1.263				ND	
13 Chloromethane	50		1.408				ND	
14 Vinyl chloride	62		1.501				ND	U
15 Bromomethane	94		1.760				ND	
16 Chloroethane	64		1.822				ND	U
17 Trichlorofluoromethane	101		2.061				ND	
22 1,1-Dichloroethene	96		2.496				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.506				ND	
23 Acetone	43		2.641				ND	
25 Carbon disulfide	76		2.682				ND	
28 Methyl acetate	43		2.879				ND	
30 Methylene Chloride	84	3.004	2.983	0.021	91	5684	1.01	
32 trans-1,2-Dichloroethene	96		3.169				ND	
33 Methyl tert-butyl ether	73		3.169				ND	
36 1,1-Dichloroethane	63		3.532				ND	
43 cis-1,2-Dichloroethene	96	4.019	4.009	0.010	79	14786	2.64	
44 2-Butanone (MEK)	43		4.030				ND	
50 Chloroform	83		4.258				ND	
52 Cyclohexane	56		4.361				ND	
51 1,1,1-Trichloroethane	97		4.361				ND	
53 Carbon tetrachloride	117		4.465				ND	
55 Benzene	78		4.641				ND	
57 1,2-Dichloroethane	62		4.693				ND	
60 Trichloroethene	95	5.128	5.128	0.000	93	30861	6.10	

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		5.315				ND	
67 Dichlorobromomethane	83		5.543				ND	
71 cis-1,3-Dichloropropene	75		5.853				ND	
72 4-Methyl-2-pentanone (MIBK	43		5.967				ND	
73 Toluene	92		6.071				ND	
75 trans-1,3-Dichloropropene	75		6.289				ND	
78 1,1,2-Trichloroethane	83		6.434				ND	
79 Tetrachloroethene	166	6.486	6.475	0.011	93	165366	32.7	
81 2-Hexanone	43		6.568				ND	
82 Chlorodibromomethane	129		6.734				ND	
83 Ethylene Dibromide	107		6.817				ND	
86 Chlorobenzene	112		7.170				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		7.854				ND	
95 Isopropylbenzene	105		7.926				ND	
98 1,1,2,2-Tetrachloroethane	83		8.237				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_00188	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00218	Amount Added:	1.00	Units: uL	Run Reagent

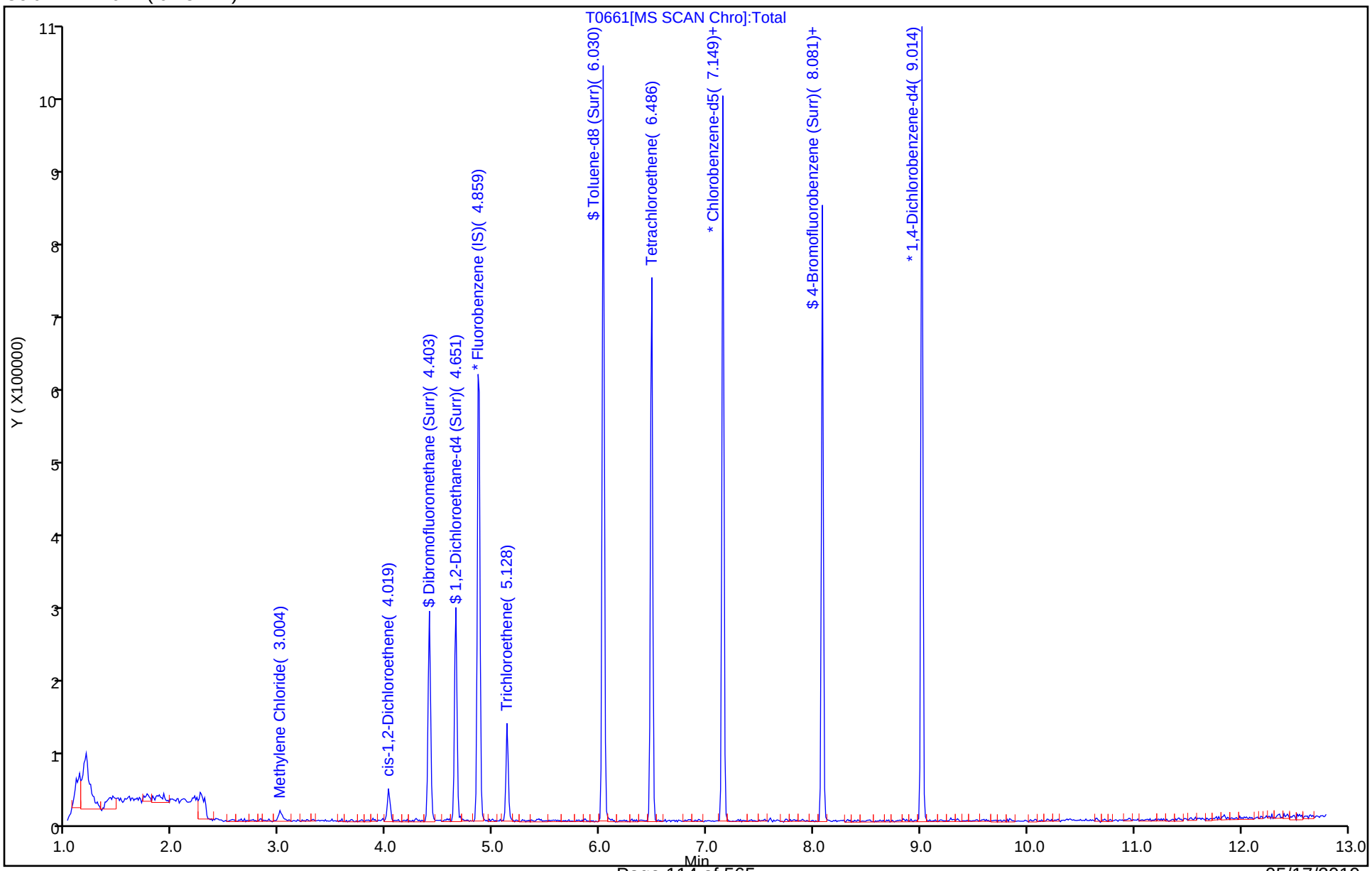
Report Date: 08-May-2019 18:54:51 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0661.D

Injection Date:	08-May-2019 16:49:30	Instrument ID:	HP5975T	Operator ID:	AEM
Lims ID:	480-152814-A-5	Lab Sample ID:	480-152814-5	Worklist Smp#:	22
Client ID:	MW-209-20190429				
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	21
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



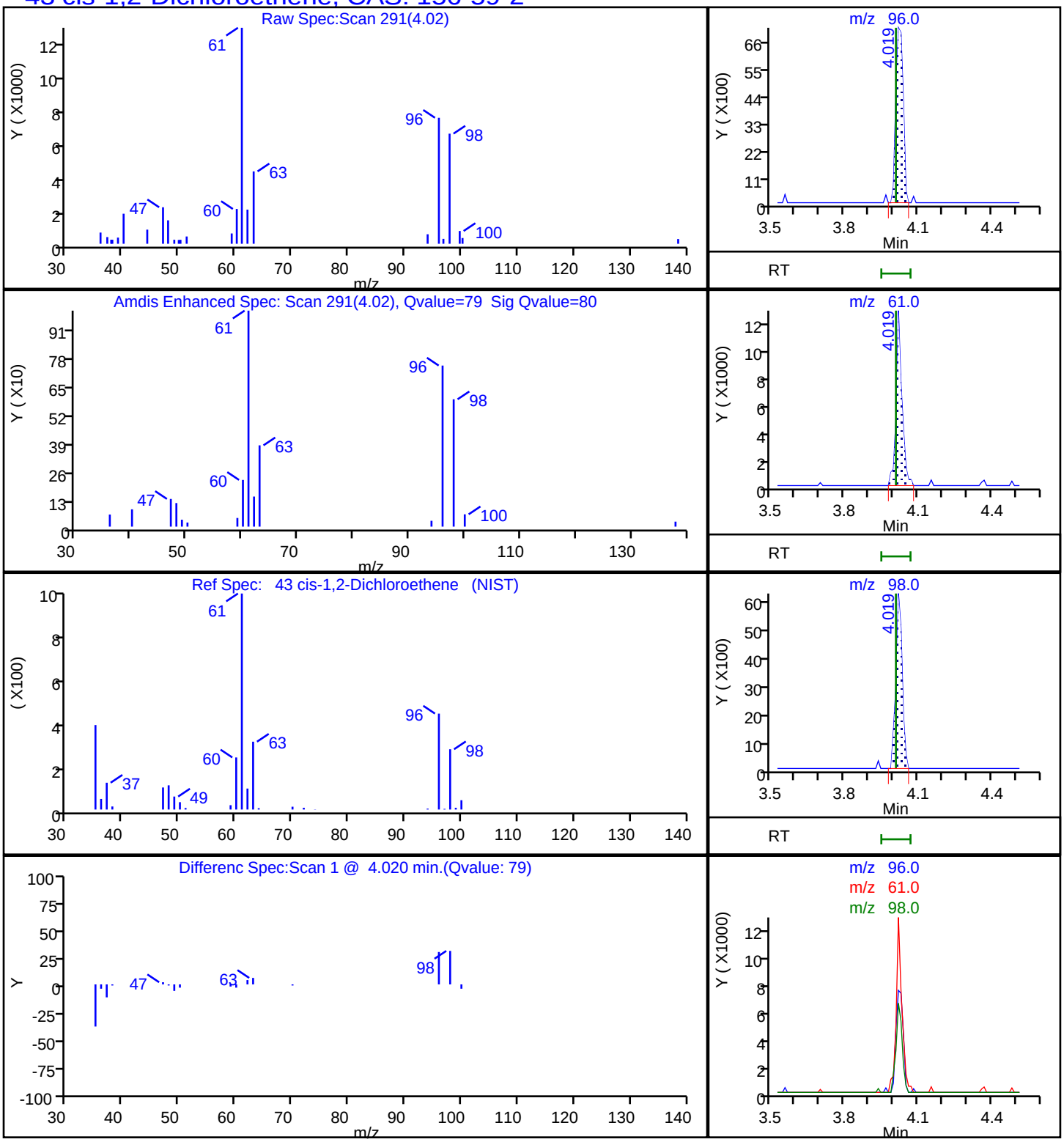
Report Date: 08-May-2019 18:54:51 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0661.D

Injection Date:	08-May-2019 16:49:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-5	Lab Sample ID:	480-152814-5		
Client ID:	MW-209-20190429				
Operator ID:	AEM	ALS Bottle#:	21	Worklist Smp#:	22
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		

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



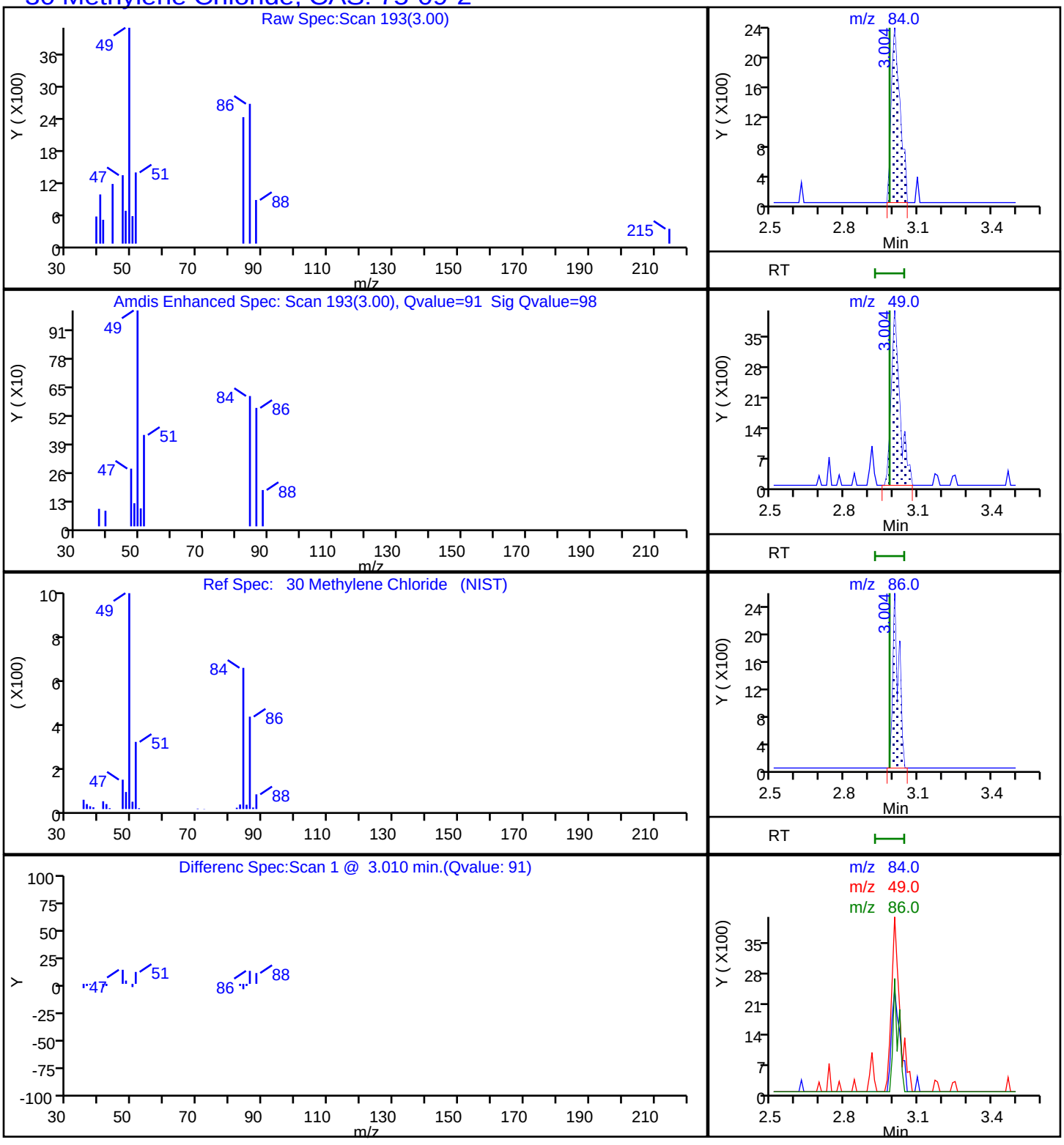
Report Date: 08-May-2019 18:54:51 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0661.D

Injection Date:	08-May-2019 16:49:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-5	Lab Sample ID:	480-152814-5		
Client ID:	MW-209-20190429				
Operator ID:	AEM	ALS Bottle#:	21	Worklist Smp#:	22
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



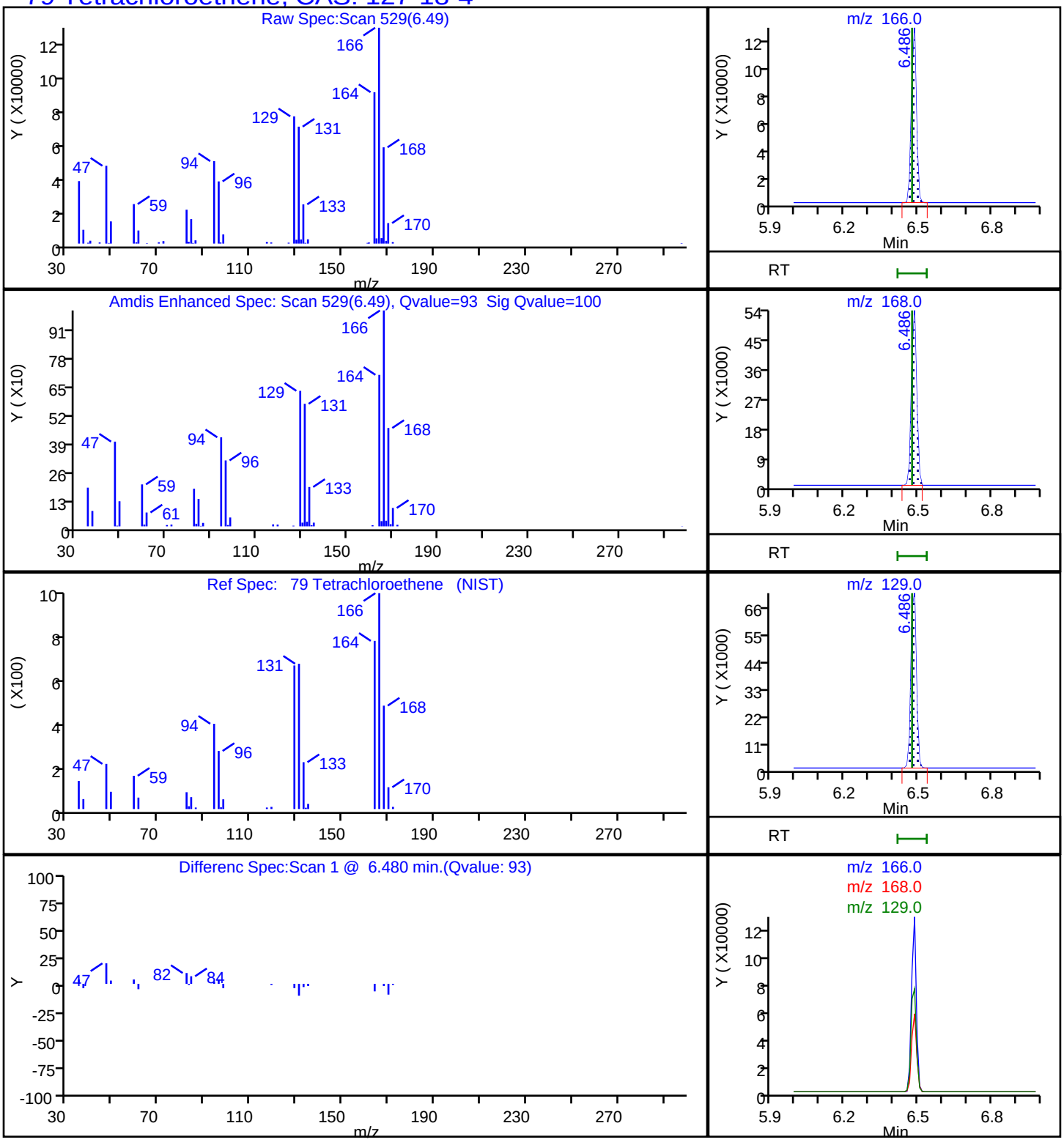
Report Date: 08-May-2019 18:54:51 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0661.D

Injection Date:	08-May-2019 16:49:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-5	Lab Sample ID:	480-152814-5		
Client ID:	MW-209-20190429				
Operator ID:	AEM	ALS Bottle#:	21	Worklist Smp#:	22
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		

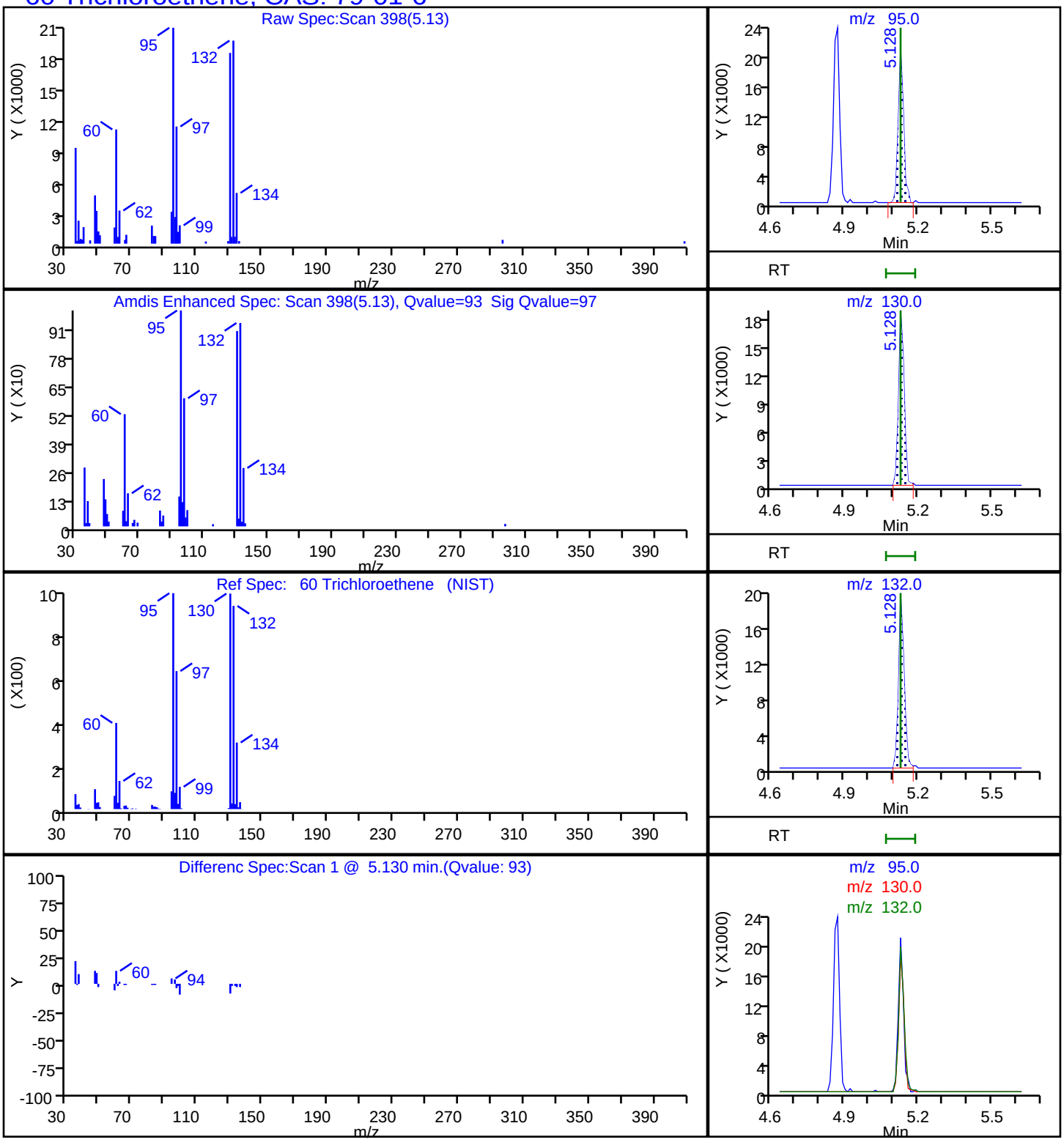
79 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0661.D				
Injection Date:	08-May-2019 16:49:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-5	Lab Sample ID:	480-152814-5		
Client ID:	MW-209-20190429				
Operator ID:	AEM	ALS Bottle#:	21	Worklist Smp#:	22
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		

60 Trichloroethene, CAS: 79-01-6



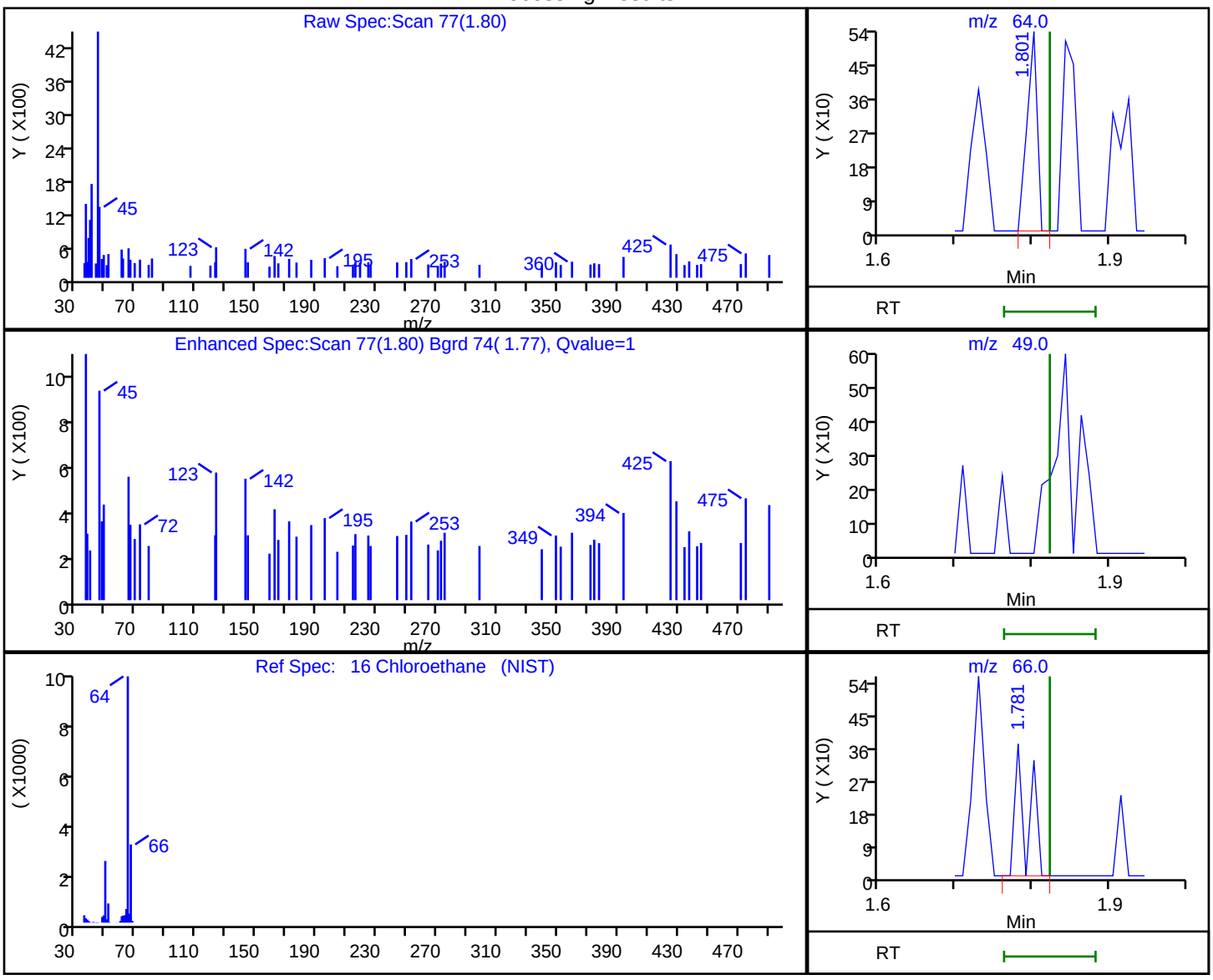
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0661.D				
Injection Date:	08-May-2019 16:49:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-5	Lab Sample ID:	480-152814-5		
Client ID:	MW-209-20190429				
Operator ID:	AEM	ALS Bottle#:	21	Worklist Smp#:	22
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
1.80	64.00	487	-0.553350
1.78	66.00	432	
1.82	49.00	0	

Reviewer: milligana, 08-May-2019 18:54:24

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

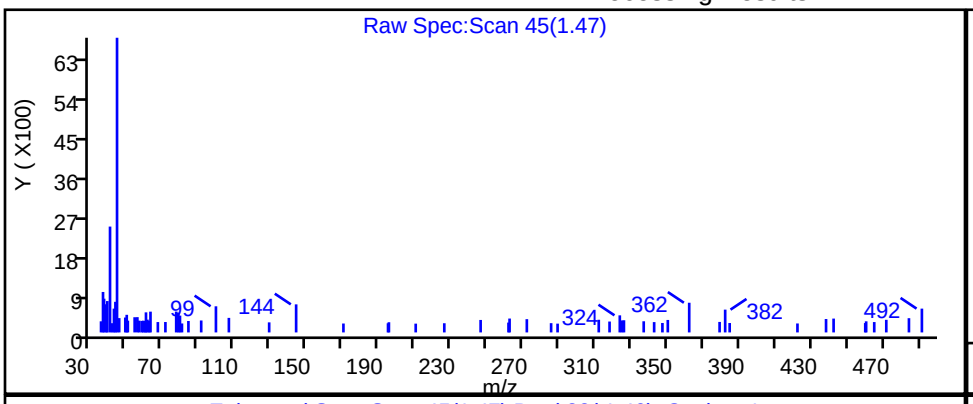
User Disabled Compound Report

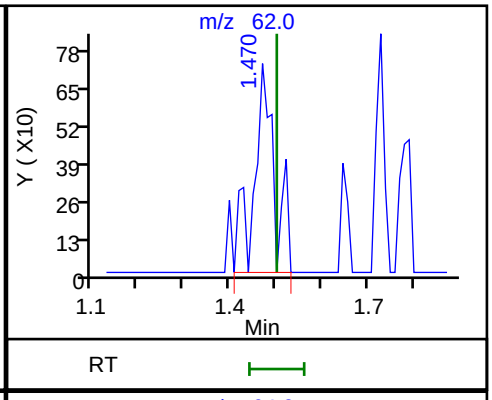
Eurofins TestAmerica, Buffalo

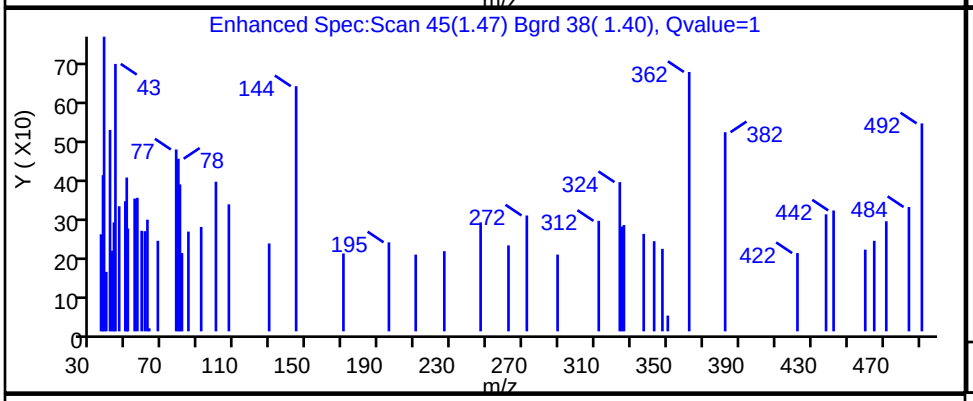
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0661.D				
Injection Date:	08-May-2019 16:49:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-5	Lab Sample ID:	480-152814-5		
Client ID:	MW-209-20190429				
Operator ID:	AEM	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

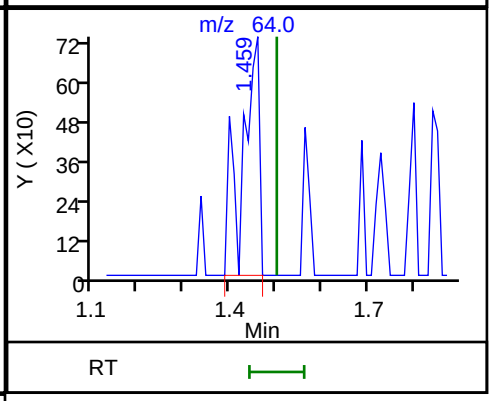
14 Vinyl chloride, CAS: 75-01-4

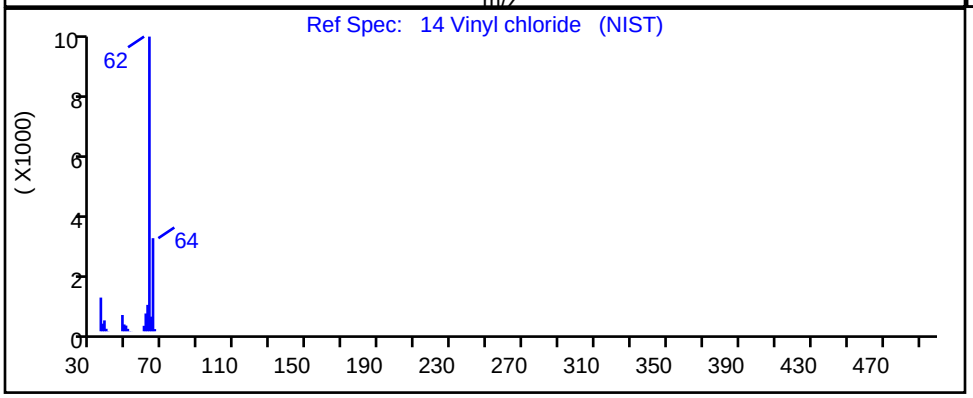
Processing Results











RT	Mass	Response	Amount
1.47	62.00	2309	0.377608
1.46	64.00	1916	

Reviewer: milligana, 08-May-2019 18:54:21

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: MW-206-20190429 Lab Sample ID: 480-152814-6

Matrix: Water Lab File ID: T0662.D

Analysis Method: 8260C Date Collected: 04/29/2019 13:20

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 17:13

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.: 471764 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
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
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
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
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
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
124-48-1	Dibromochloromethane	ND	*	4.0	1.3
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	6.0		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
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: MW-206-20190429 Lab Sample ID: 480-152814-6

Matrix: Water Lab File ID: T0662.D

Analysis Method: 8260C Date Collected: 04/29/2019 13:20

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 17:13

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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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	3.7	J	4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	250		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	7.1		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	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		77-120
460-00-4	4-Bromofluorobenzene (Surr)	116		73-120
1868-53-7	Dibromofluoromethane (Surr)	112		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0662.D
Lims ID: 480-152814-A-6
Client ID: MW-206-20190429
Sample Type: Client
Inject. Date: 08-May-2019 17:13:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 4.0000
Sample Info: 480-152814-a-6
Misc. Info.: 480-0080903-023
Operator ID: AEM Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-May-2019 18:55:21 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: CTX0301

First Level Reviewer: milligana Date: 08-May-2019 18:55:22

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	86042	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	88	362347	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	96	205984	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.403	4.392	0.011	91	125227	28.0	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.651	4.641	0.010	0	154792	29.8	
$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.001	96	493873	25.7	
$ 7 4-Bromofluorobenzene (Surr	174	8.081	8.082	0.000	0	166168	29.1	
11 Dichlorodifluoromethane	85		1.263				ND	
13 Chloromethane	50		1.408				ND	
14 Vinyl chloride	62		1.501				ND	U
15 Bromomethane	94		1.760				ND	
16 Chloroethane	64		1.822				ND	
17 Trichlorofluoromethane	101		2.061				ND	
22 1,1-Dichloroethene	96		2.496				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.506				ND	
23 Acetone	43		2.641				ND	
25 Carbon disulfide	76		2.682				ND	
28 Methyl acetate	43		2.879				ND	
30 Methylene Chloride	84	3.014	2.983	0.031	95	4720	0.9213	
32 trans-1,2-Dichloroethene	96		3.169				ND	
33 Methyl tert-butyl ether	73		3.169				ND	
36 1,1-Dichloroethane	63		3.532				ND	
43 cis-1,2-Dichloroethene	96	4.009	4.009	0.000	81	7579	1.49	
44 2-Butanone (MEK)	43		4.030				ND	
50 Chloroform	83		4.258				ND	
52 Cyclohexane	56		4.361				ND	
51 1,1,1-Trichloroethane	97		4.361				ND	
53 Carbon tetrachloride	117		4.465				ND	
55 Benzene	78		4.641				ND	
57 1,2-Dichloroethane	62		4.693				ND	
60 Trichloroethene	95	5.128	5.128	0.000	89	8157	1.78	

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		5.315				ND	
67 Dichlorobromomethane	83		5.543				ND	
71 cis-1,3-Dichloropropene	75		5.853				ND	
72 4-Methyl-2-pentanone (MIBK	43		5.967				ND	
73 Toluene	92		6.071				ND	
75 trans-1,3-Dichloropropene	75		6.289				ND	
78 1,1,2-Trichloroethane	83		6.434				ND	
79 Tetrachloroethene	166	6.486	6.475	0.011	95	300410	61.8	
81 2-Hexanone	43		6.568				ND	U
82 Chlorodibromomethane	129		6.734				ND	
83 Ethylene Dibromide	107		6.817				ND	
86 Chlorobenzene	112		7.170				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		7.854				ND	
95 Isopropylbenzene	105		7.926				ND	
98 1,1,2,2-Tetrachloroethane	83		8.237				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_00188	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00218	Amount Added:	1.00	Units: uL	Run Reagent

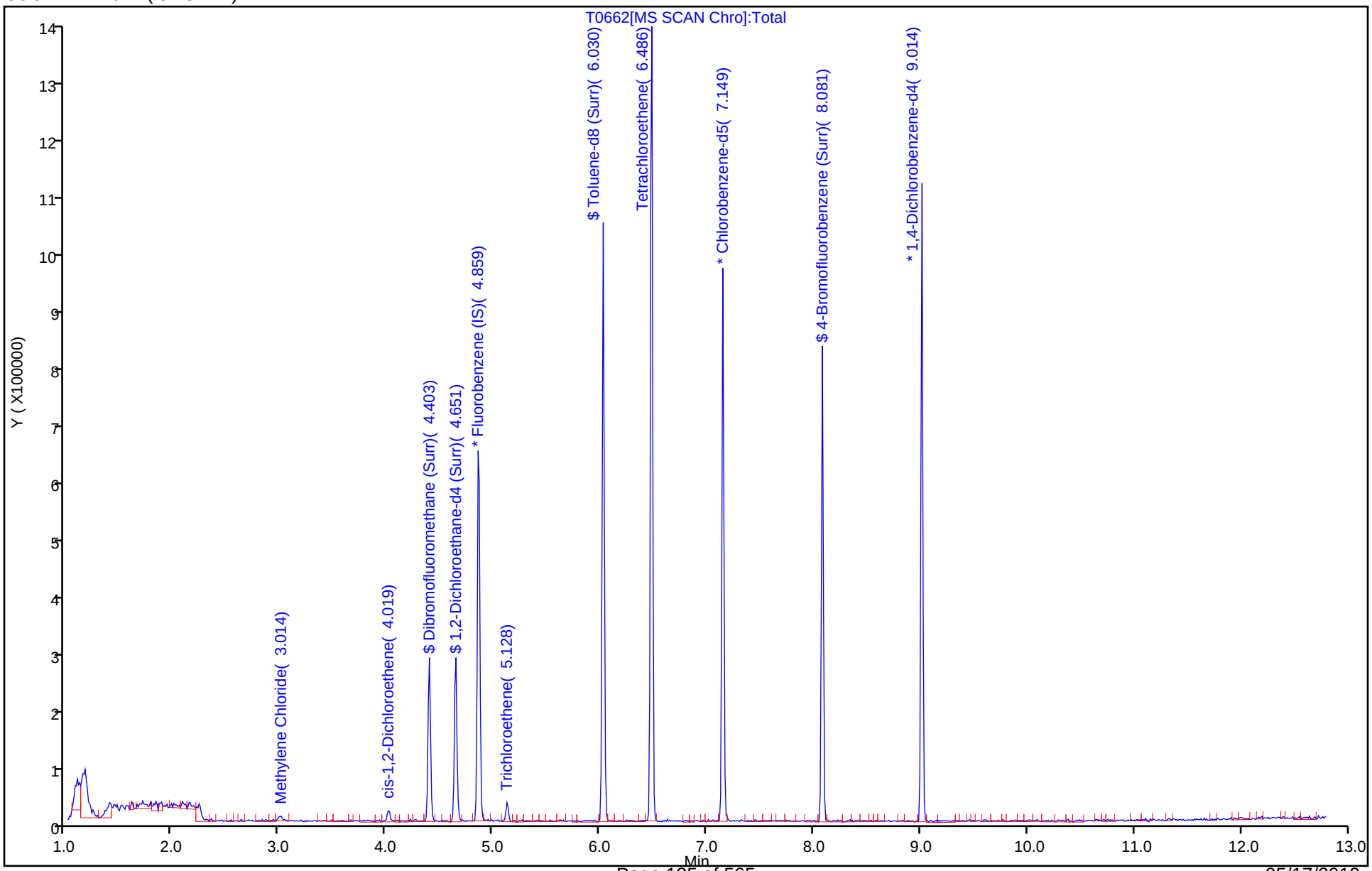
Report Date: 08-May-2019 18:55:23 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0662.D

Injection Date:	08-May-2019 17:13:30	Instrument ID:	HP5975T	Operator ID:	AEM
Lims ID:	480-152814-A-6	Lab Sample ID:	480-152814-6	Worklist Smp#:	23
Client ID:	MW-206-20190429				
Purge Vol:	5.000 mL	Dil. Factor:	4.0000	ALS Bottle#:	22
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

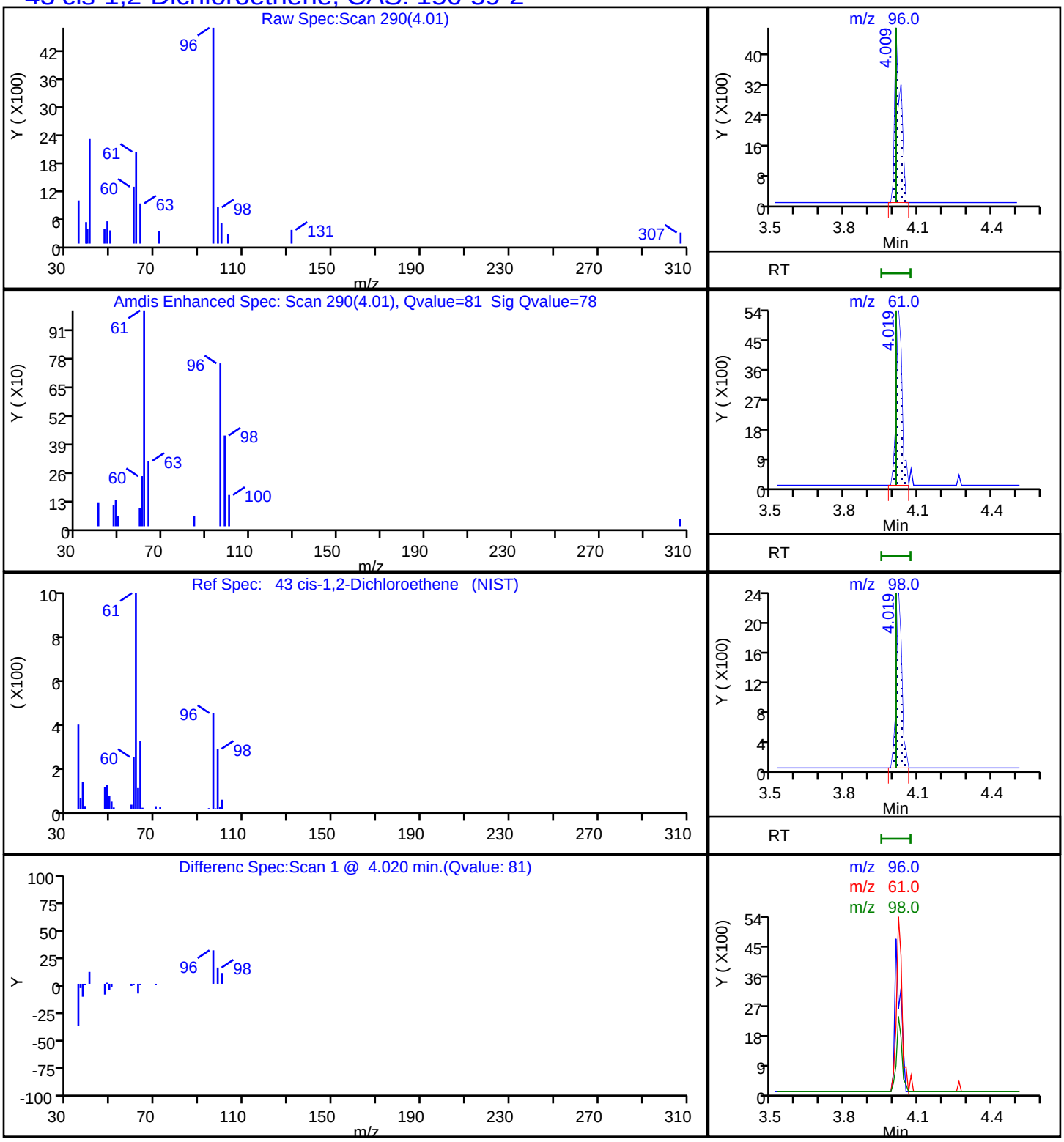
Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0662.D				
Injection Date:	08-May-2019 17:13:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-6	Lab Sample ID:	480-152814-6		
Client ID:	MW-206-20190429				
Operator ID:	AEM	ALS Bottle#:	22	Worklist Smp#:	23
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		

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



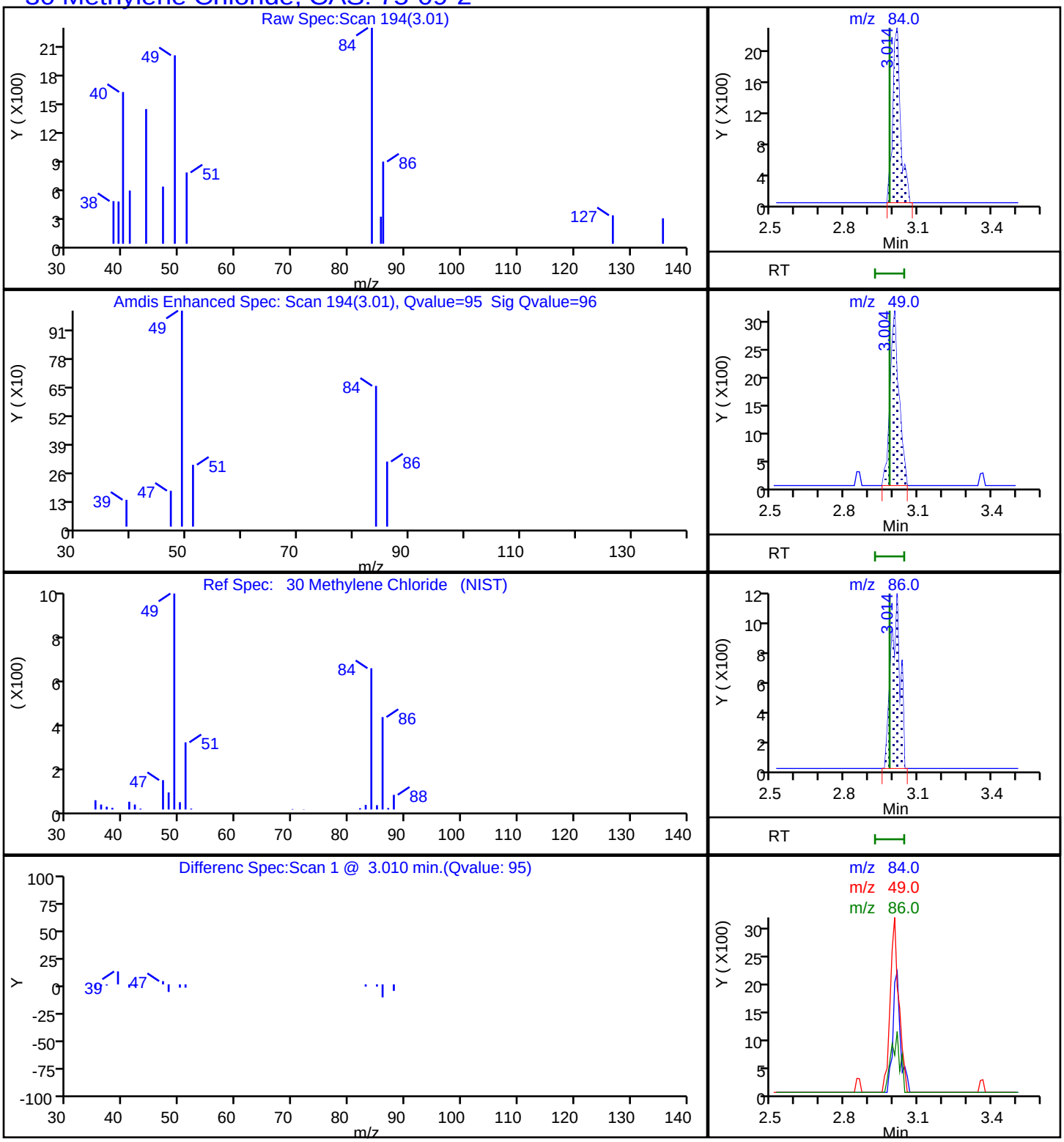
Report Date: 08-May-2019 18:55:23 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0662.D

Injection Date:	08-May-2019 17:13:30	Instrument ID:	HP5975T
Lims ID:	480-152814-A-6	Lab Sample ID:	480-152814-6
Client ID:	MW-206-20190429		
Operator ID:	AEM	ALS Bottle#:	22 Worklist Smp#: 23
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

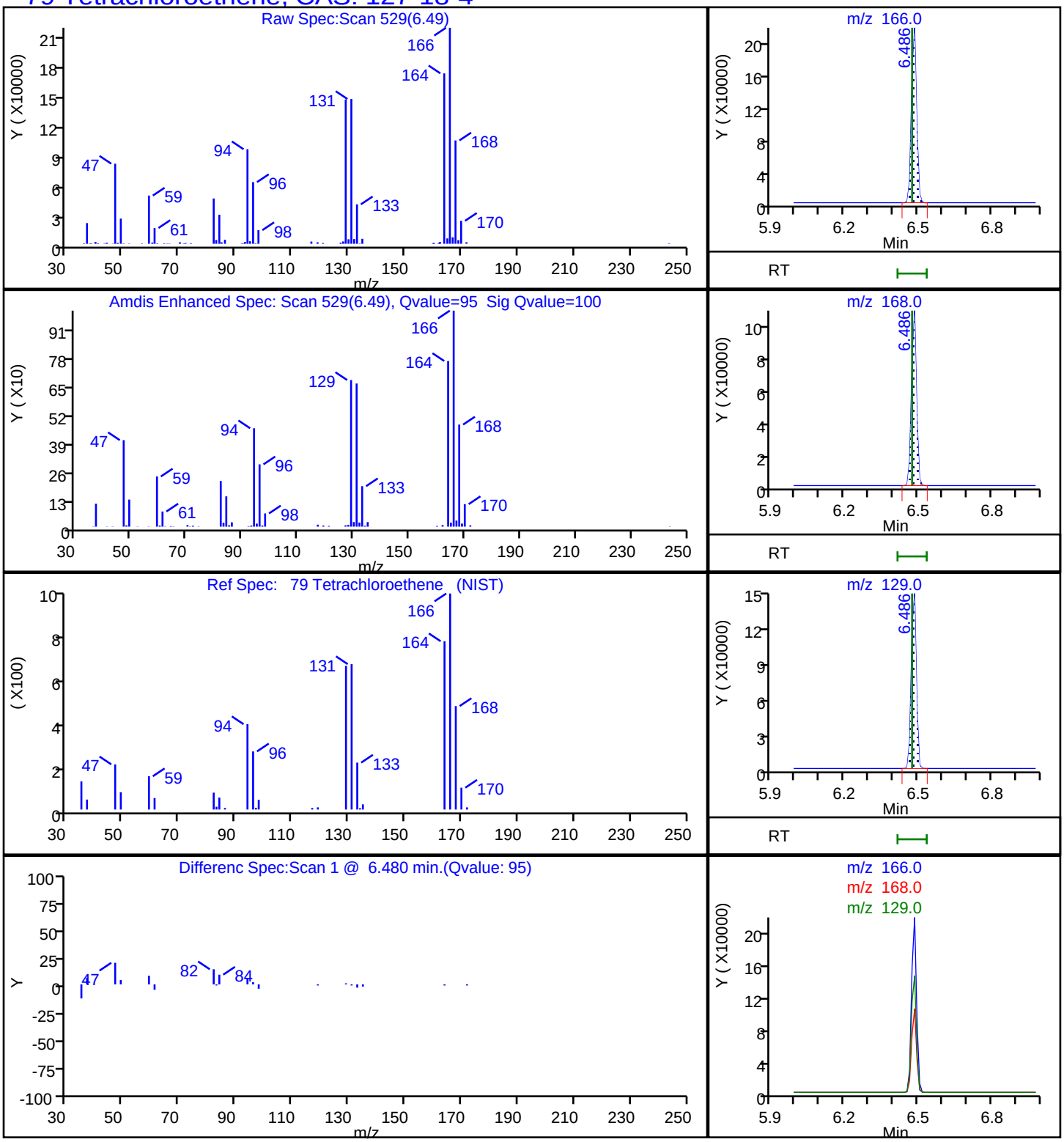


Report Date: 08-May-2019 18:55:23 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0662.D				
Injection Date:	08-May-2019 17:13:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-6	Lab Sample ID:	480-152814-6		
Client ID:	MW-206-20190429				
Operator ID:	AEM	ALS Bottle#:	22	Worklist Smp#:	23
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		

79 Tetrachloroethene, CAS: 127-18-4



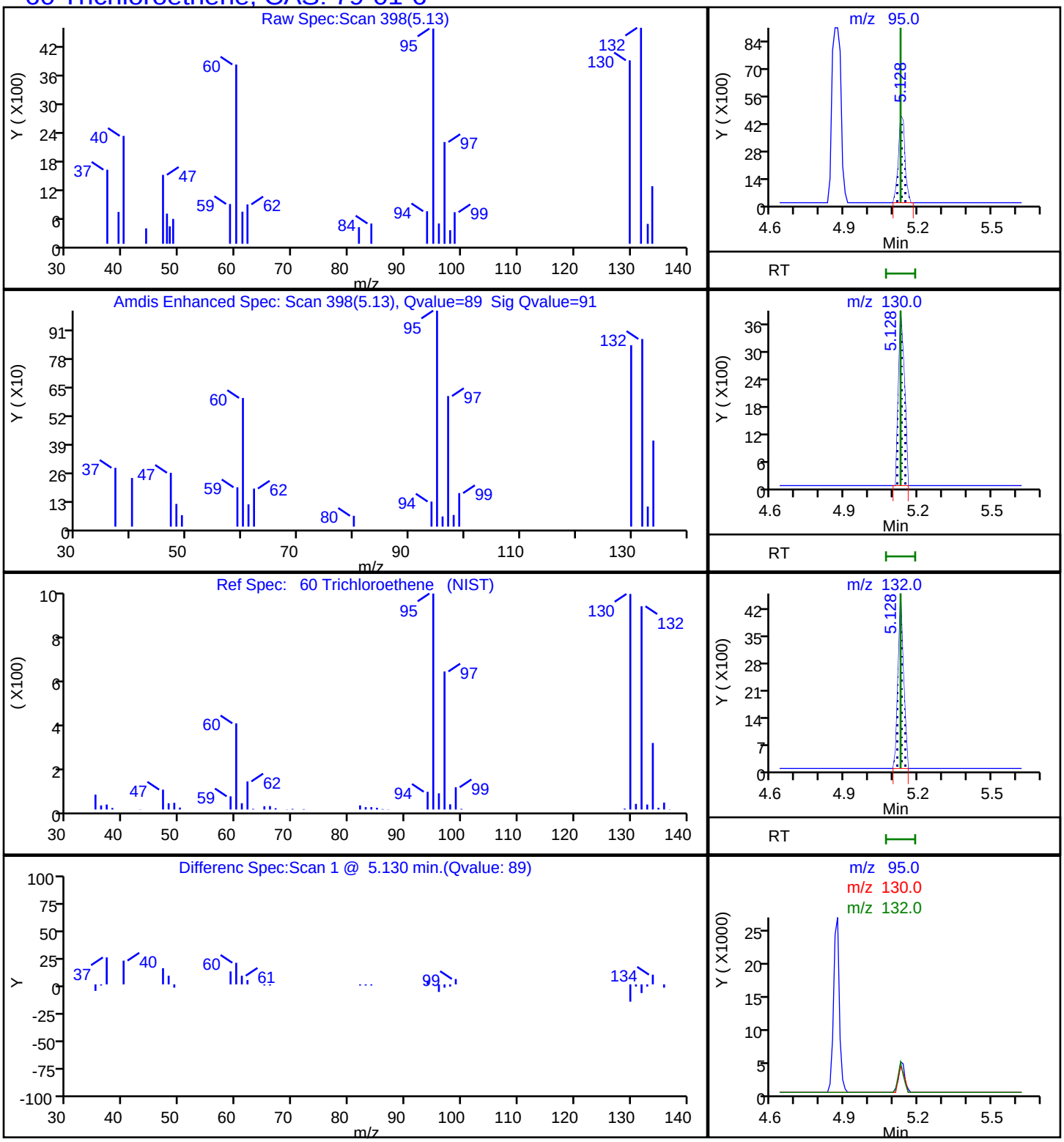
Report Date: 08-May-2019 18:55:23 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0662.D

Injection Date:	08-May-2019 17:13:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-6	Lab Sample ID:	480-152814-6		
Client ID:	MW-206-20190429				
Operator ID:	AEM	ALS Bottle#:	22	Worklist Smp#:	23
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		

60 Trichloroethene, CAS: 79-01-6



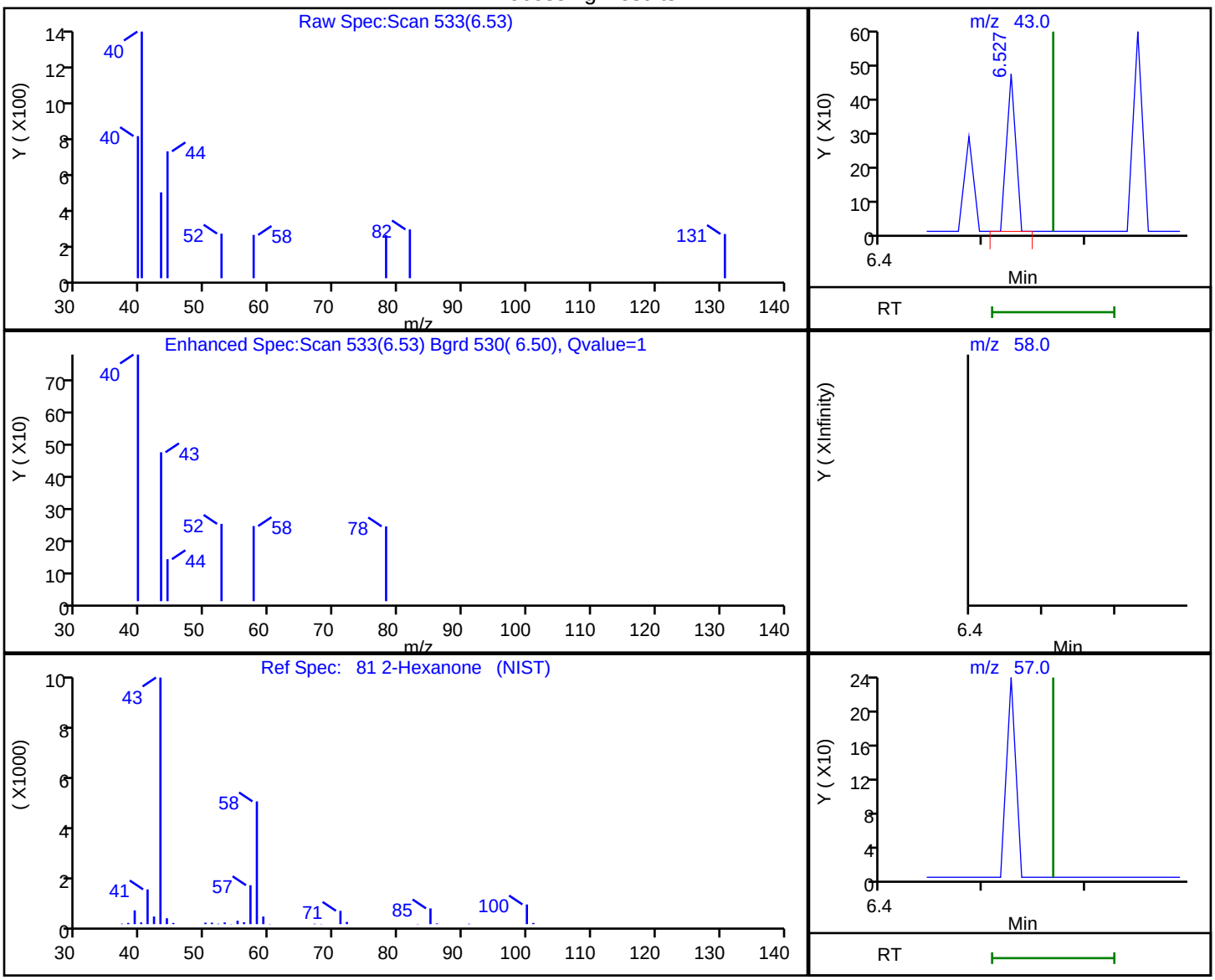
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0662.D				
Injection Date:	08-May-2019 17:13:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-6	Lab Sample ID:	480-152814-6		
Client ID:	MW-206-20190429				
Operator ID:	AEM	ALS Bottle#:	22	Worklist Smp#:	23
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
6.53	43.00	291	0.100601
6.57	58.00	0	
6.57	57.00	0	

Reviewer: milligana, 08-May-2019 18:55:15

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

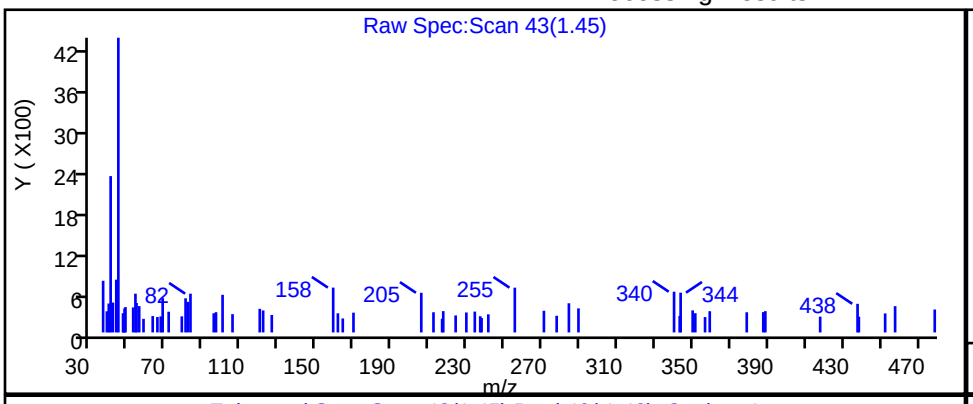
User Disabled Compound Report

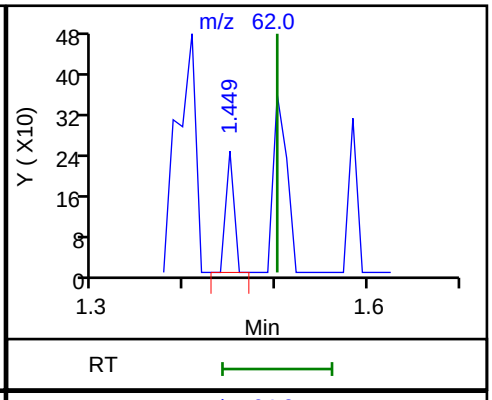
Eurofins TestAmerica, Buffalo

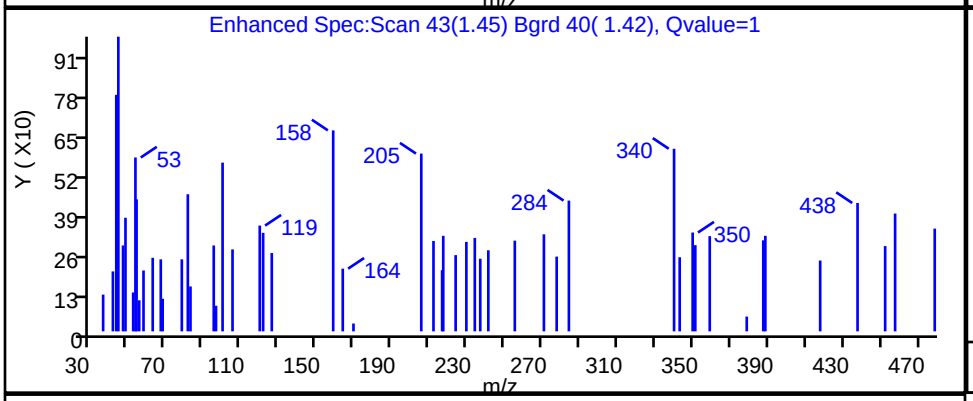
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0662.D				
Injection Date:	08-May-2019 17:13:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-6	Lab Sample ID:	480-152814-6		
Client ID:	MW-206-20190429				
Operator ID:	AEM	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	4.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

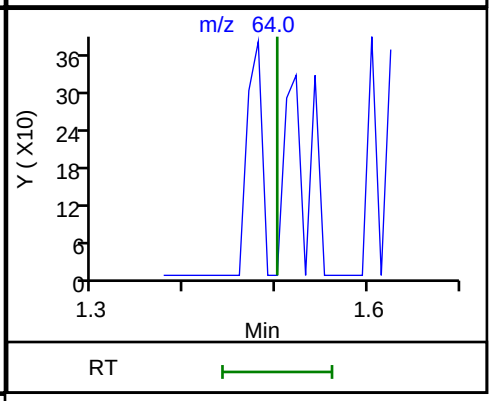
14 Vinyl chloride, CAS: 75-01-4

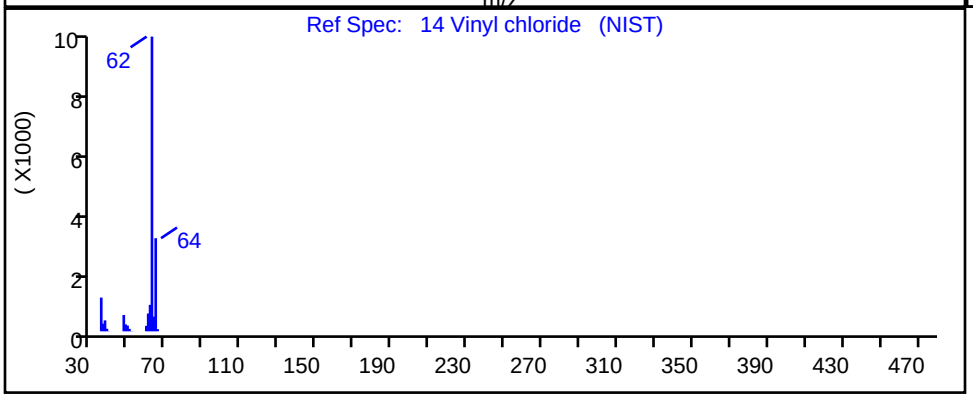
Processing Results











RT	Mass	Response	Amount
1.45	62.00	152	0.027415
1.50	64.00	0	

Reviewer: milligana, 08-May-2019 18:54:57

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.: 480-152814-1

SDG No.:

Client Sample ID: LMW-04-20190429 Lab Sample ID: 480-152814-7

Matrix: Water Lab File ID: T0663.D

Analysis Method: 8260C Date Collected: 04/29/2019 14:10

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 17:37

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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	10		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	0.39	J	1.0	0.38
75-35-4	1,1-Dichloroethene	0.49	J	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	*	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	*	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-04-20190429 Lab Sample ID: 480-152814-7

Matrix: Water Lab File ID: T0663.D

Analysis Method: 8260C Date Collected: 04/29/2019 14:10

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 17:37

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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	0.45	J	1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	3.2		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	122	X	77-120
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
1868-53-7	Dibromofluoromethane (Surr)	110		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0663.D
Lims ID: 480-152814-A-7
Client ID: LMW-04-20190429
Sample Type: Client
Inject. Date: 08-May-2019 17:37:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-152814-a-7
Misc. Info.: 480-0080903-024
Operator ID: AEM Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-May-2019 18:56:17 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: CTX0301

First Level Reviewer: milligana Date: 08-May-2019 18:56:18

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	86045	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	87	369228	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	95	202331	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.403	4.392	0.011	92	123287	27.6	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	158349	30.5	
$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.001	96	485223	24.7	
$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.082	0.001	0	161202	27.7	
11 Dichlorodifluoromethane	85		1.263				ND	
13 Chloromethane	50		1.408				ND	
14 Vinyl chloride	62		1.501				ND	
15 Bromomethane	94		1.760				ND	
16 Chloroethane	64		1.822				ND	
17 Trichlorofluoromethane	101		2.061				ND	U
22 1,1-Dichloroethene	96	2.517	2.496	0.021	56	1949	0.4860	
20 1,1,2-Trichloro-1,2,2-trif	101		2.506				ND	
23 Acetone	43		2.641				ND	
25 Carbon disulfide	76		2.682				ND	
28 Methyl acetate	43		2.879				ND	
30 Methylene Chloride	84	3.004	2.983	0.021	30	2313	0.4515	
32 trans-1,2-Dichloroethene	96		3.169				ND	
33 Methyl tert-butyl ether	73		3.169				ND	
36 1,1-Dichloroethane	63	3.553	3.532	0.021	1	3076	0.3929	
43 cis-1,2-Dichloroethene	96	4.009	4.009	0.000	1	1566	0.3085	a
44 2-Butanone (MEK)	43		4.030				ND	
50 Chloroform	83		4.258				ND	
52 Cyclohexane	56		4.361				ND	
51 1,1,1-Trichloroethane	97	4.372	4.361	0.011	95	58728	10.5	
53 Carbon tetrachloride	117		4.465				ND	
55 Benzene	78		4.641				ND	
57 1,2-Dichloroethane	62		4.693				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		5.315				ND	
67 Dichlorobromomethane	83		5.543				ND	
71 cis-1,3-Dichloropropene	75		5.853				ND	
72 4-Methyl-2-pentanone (MIBK	43		5.967				ND	
73 Toluene	92		6.071				ND	
75 trans-1,3-Dichloropropene	75		6.289				ND	
78 1,1,2-Trichloroethane	83		6.434				ND	
79 Tetrachloroethene	166	6.486	6.475	0.011	88	15991	3.23	
81 2-Hexanone	43		6.568				ND	
82 Chlorodibromomethane	129		6.734				ND	
83 Ethylene Dibromide	107		6.817				ND	
86 Chlorobenzene	112		7.170				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		7.854				ND	
95 Isopropylbenzene	105		7.926				ND	
98 1,1,2,2-Tetrachloroethane	83		8.237				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

a - User Assigned ID

Reagents:

T_8260_Surr_00188	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00218	Amount Added:	1.00	Units: uL	Run Reagent

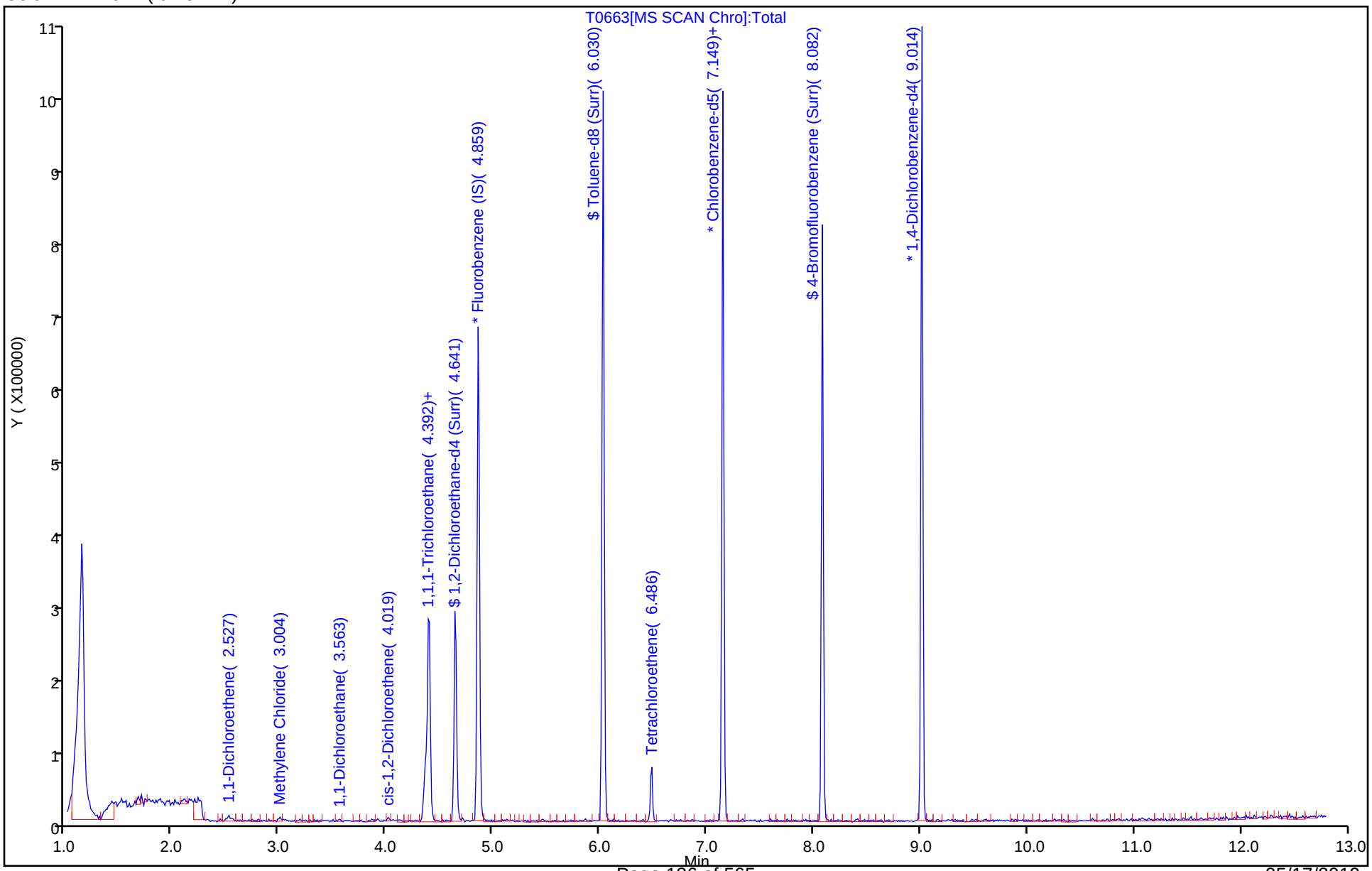
Report Date: 08-May-2019 18:56:18 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0663.D

Injection Date:	08-May-2019 17:37:30	Instrument ID:	HP5975T	Operator ID:	AEM
Lims ID:	480-152814-A-7	Lab Sample ID:	480-152814-7	Worklist Smp#:	24
Client ID:	LMW-04-20190429				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

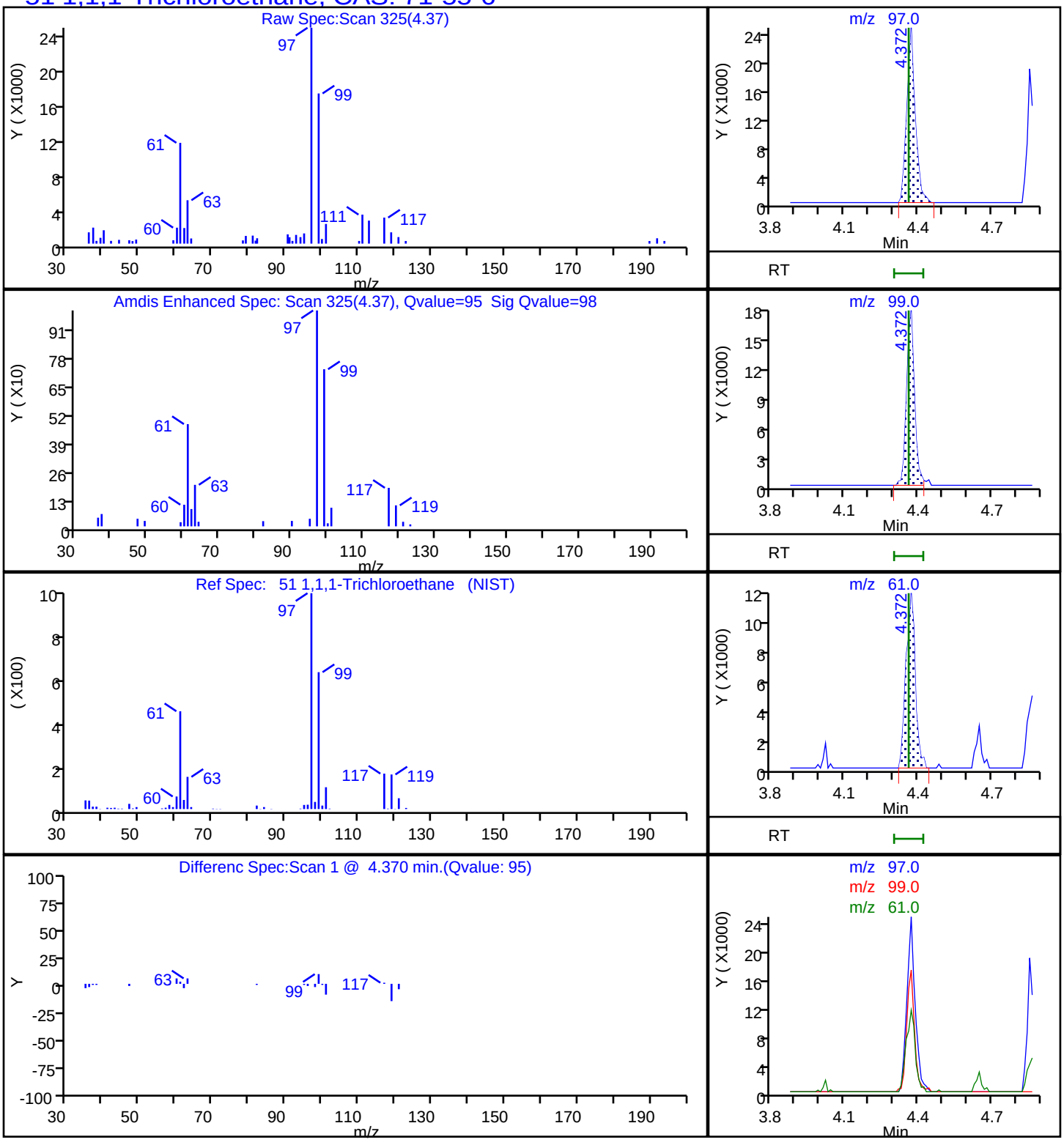


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0663.D

Injection Date:	08-May-2019 17:37:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-7	Lab Sample ID:	480-152814-7		
Client ID:	LMW-04-20190429				
Operator ID:	AEM	ALS Bottle#:	23	Worklist Smp#:	24
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		

51 1,1,1-Trichloroethane, CAS: 71-55-6

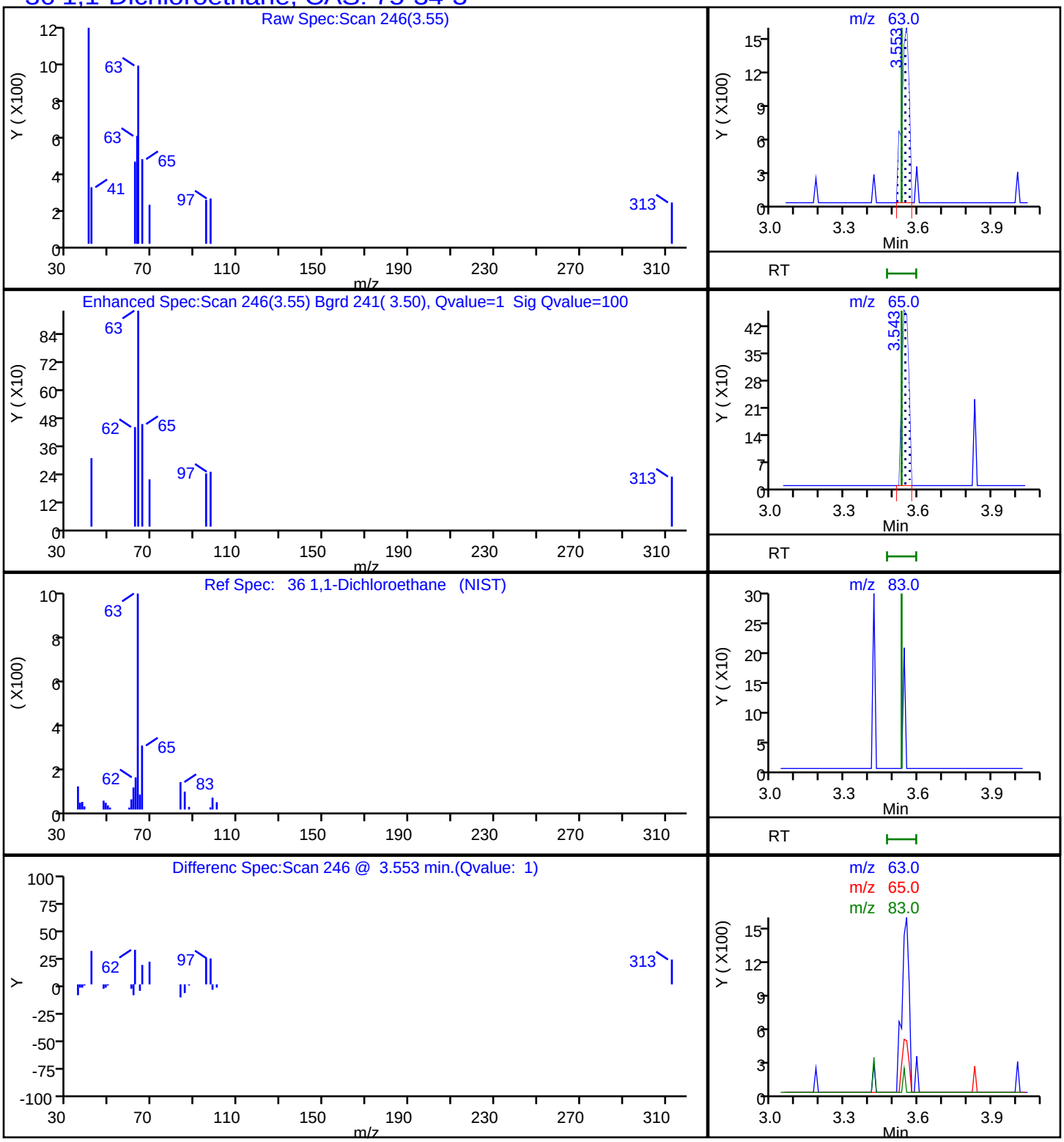


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0663.D

Injection Date:	08-May-2019 17:37:30	Instrument ID:	HP5975T
Lims ID:	480-152814-A-7	Lab Sample ID:	480-152814-7
Client ID:	LMW-04-20190429		
Operator ID:	AEM	ALS Bottle#:	23 Worklist Smp#: 24
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

36 1,1-Dichloroethane, CAS: 75-34-3



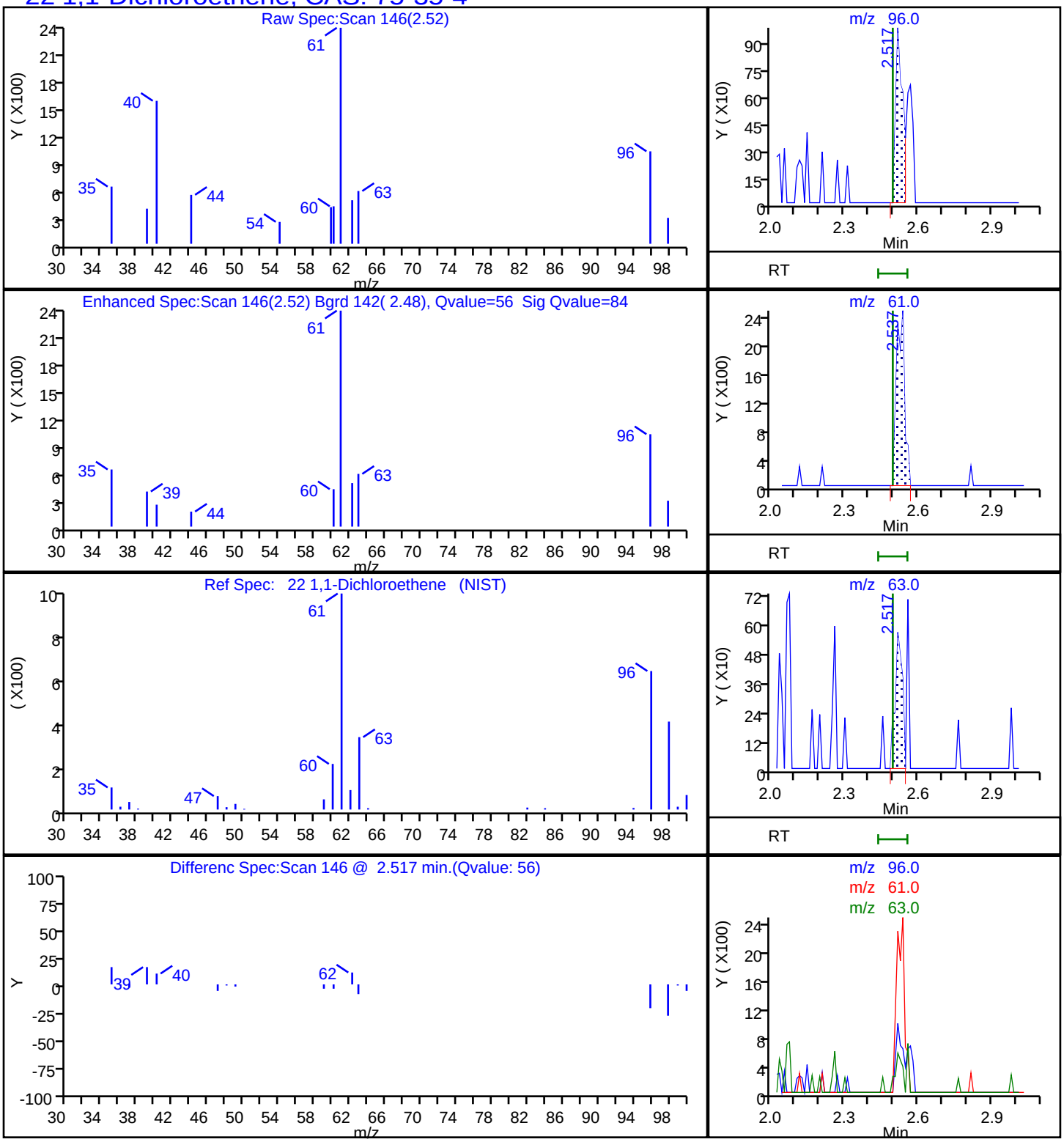
Report Date: 08-May-2019 18:56:18 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0663.D

Injection Date:	08-May-2019 17:37:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-7	Lab Sample ID:	480-152814-7		
Client ID:	LMW-04-20190429				
Operator ID:	AEM	ALS Bottle#:	23	Worklist Smp#:	24
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		

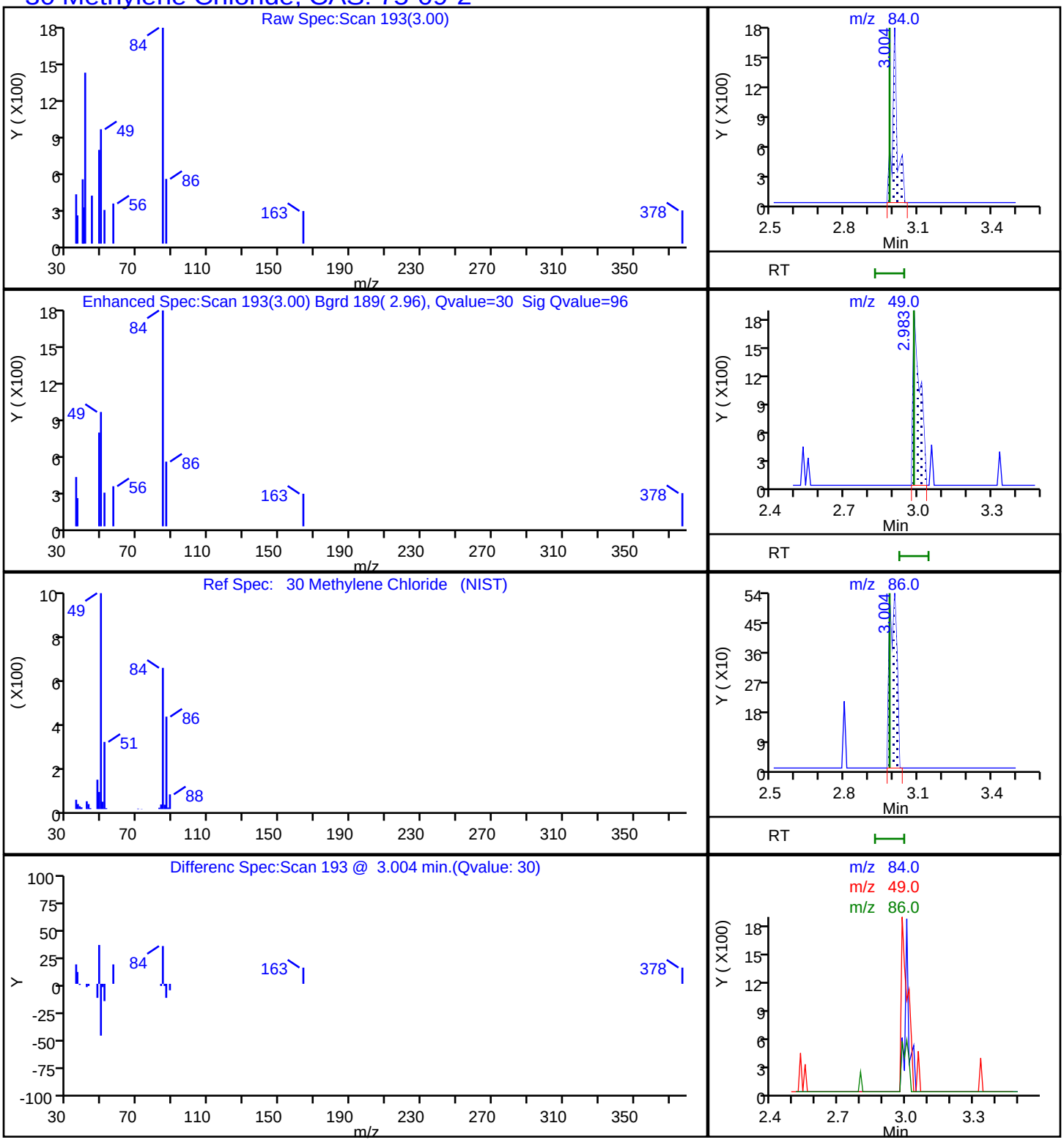
22 1,1-Dichloroethene, CAS: 75-35-4



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0663.D				
Injection Date:	08-May-2019 17:37:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-7	Lab Sample ID:	480-152814-7		
Client ID:	LMW-04-20190429				
Operator ID:	AEM	ALS Bottle#:	23	Worklist Smp#:	24
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		

30 Methylene Chloride, CAS: 75-09-2



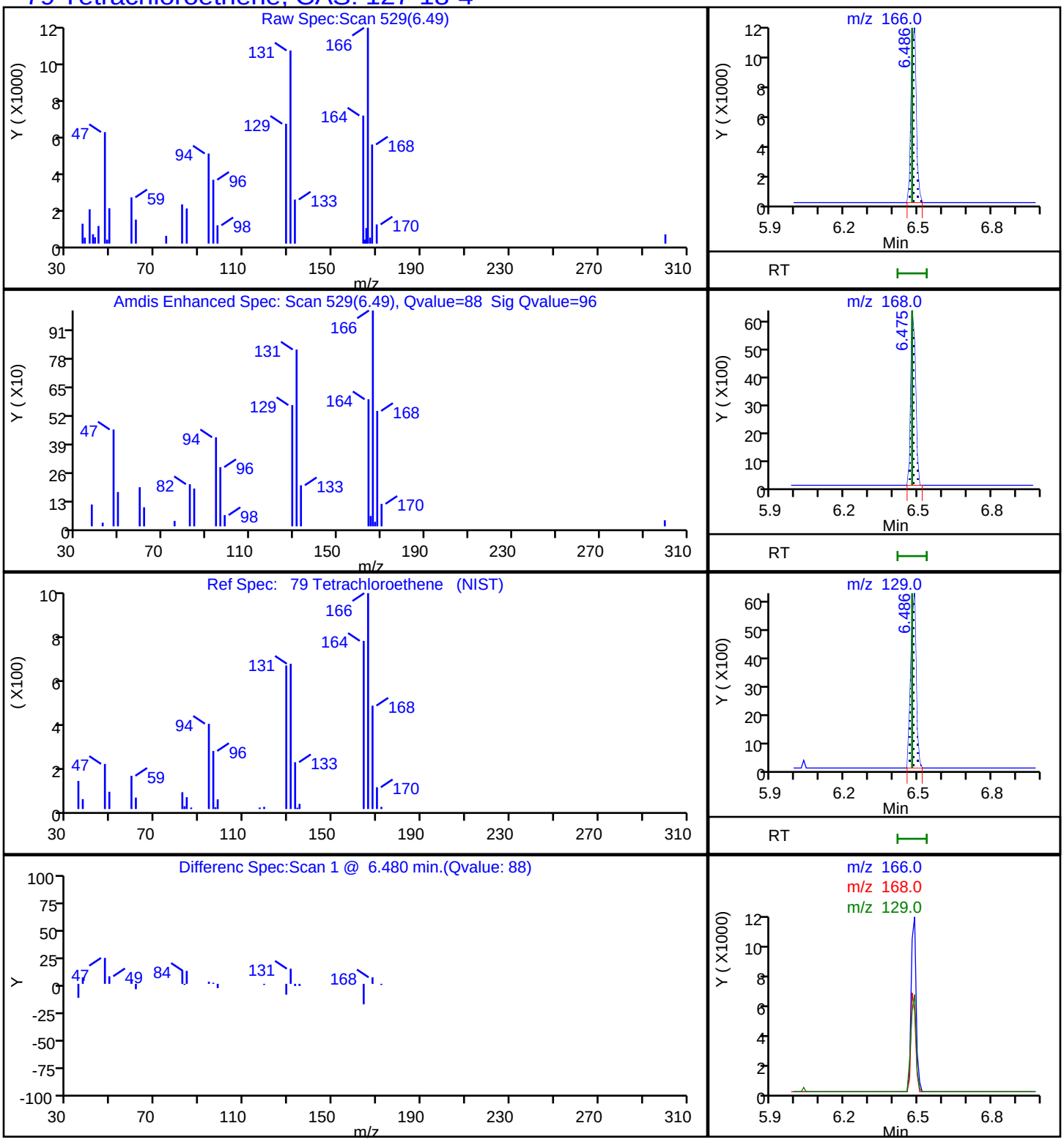
Report Date: 08-May-2019 18:56:19 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0663.D

Injection Date:	08-May-2019 17:37:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-7	Lab Sample ID:	480-152814-7		
Client ID:	LMW-04-20190429				
Operator ID:	AEM	ALS Bottle#:	23	Worklist Smp#:	24
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		

79 Tetrachloroethene, CAS: 127-18-4



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

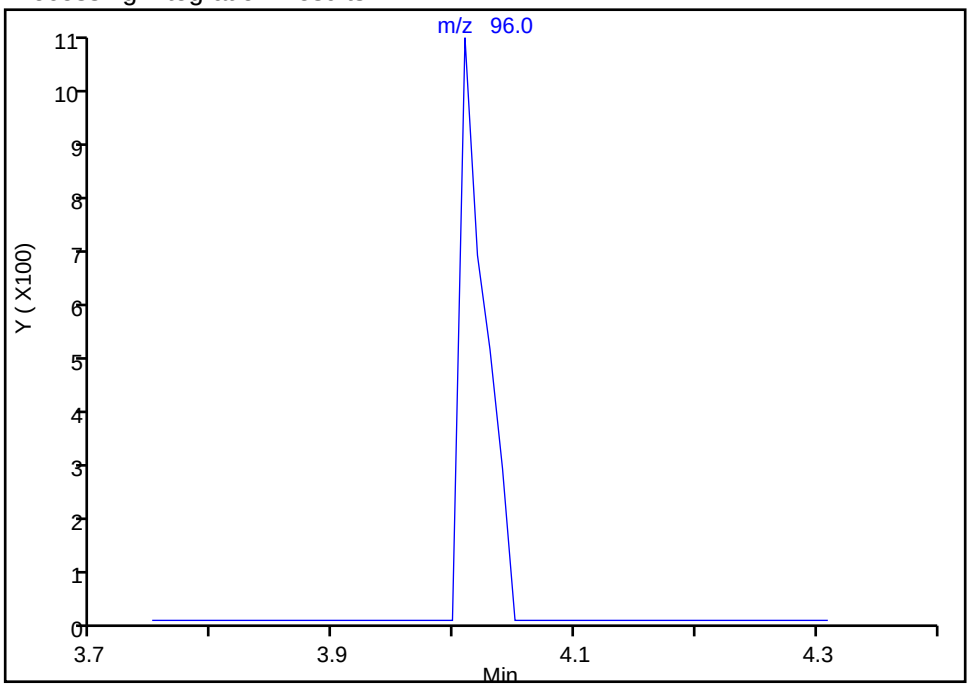
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0663.D				
Injection Date:	08-May-2019 17:37:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-7	Lab Sample ID:	480-152814-7		
Client ID:	LMW-04-20190429				
Operator ID:	AEM	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

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

Signal: 1

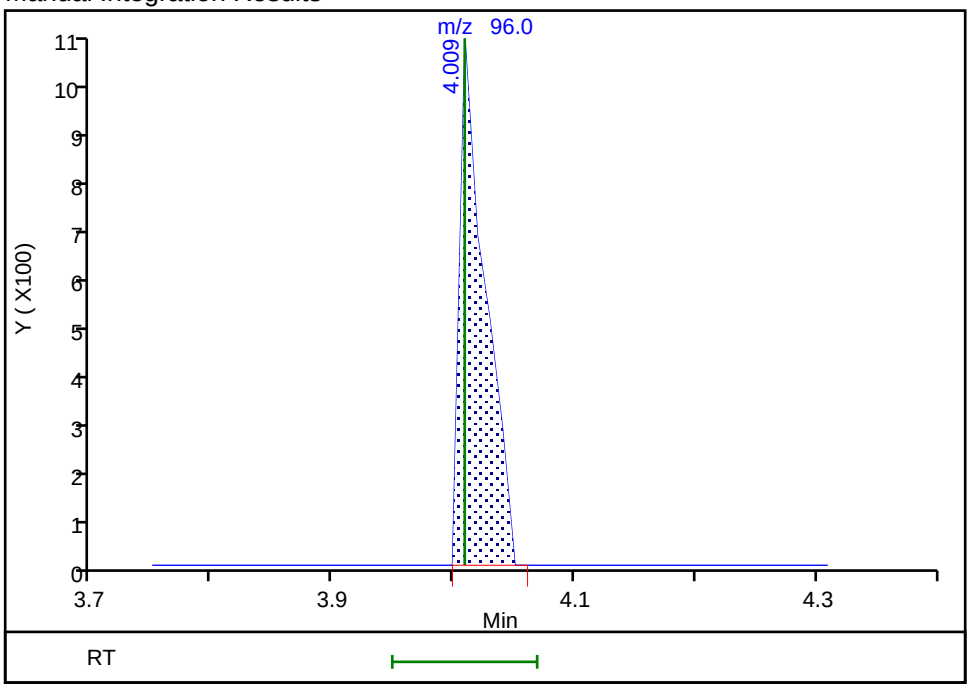
Not Detected
Expected RT: 4.01

Processing Integration Results



Manual Integration Results

RT: 4.01
Area: 1566
Amount: 0.308480
Amount Units: ug/L



Reviewer: milligana, 08-May-2019 18:55:40
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

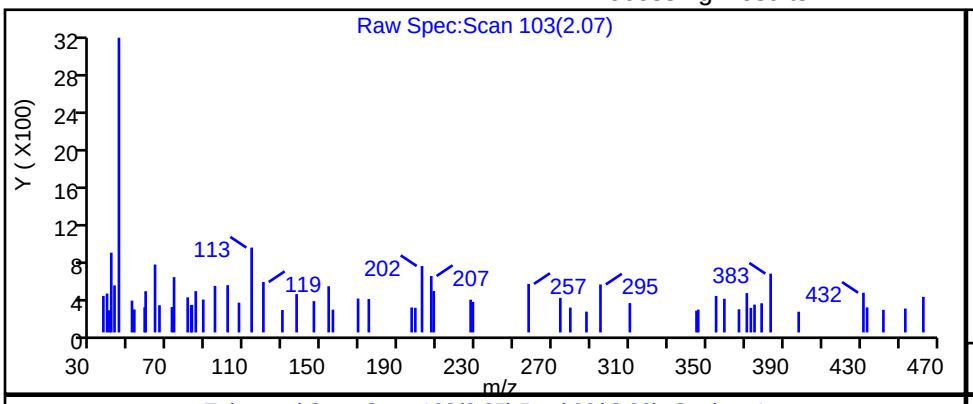
User Disabled Compound Report

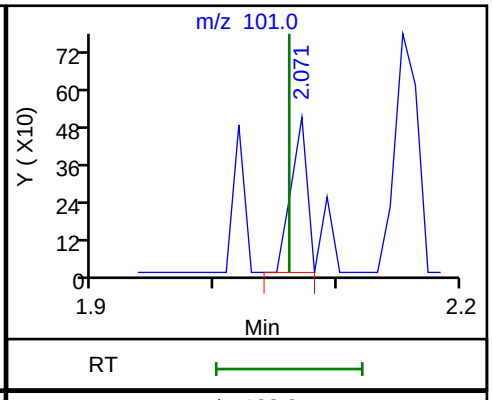
Eurofins TestAmerica, Buffalo

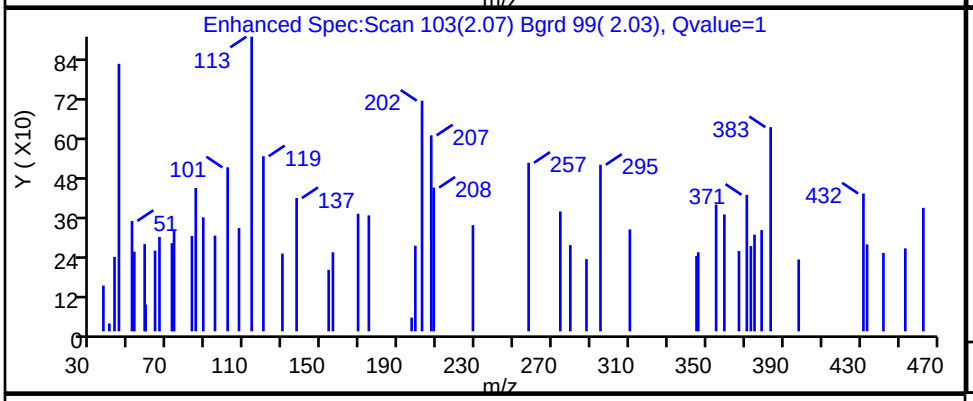
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0663.D				
Injection Date:	08-May-2019 17:37:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-7	Lab Sample ID:	480-152814-7		
Client ID:	LMW-04-20190429				
Operator ID:	AEM	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

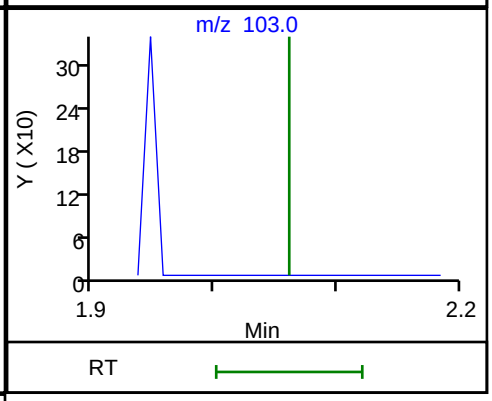
17 Trichlorofluoromethane, CAS: 75-69-4

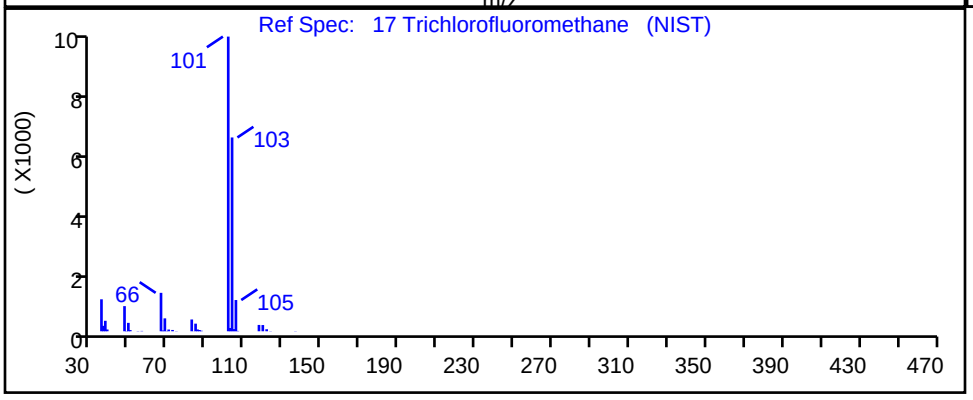
Processing Results











RT	Mass	Response	Amount
2.07	101.00	460	0.054303
2.06	103.00	0	

Reviewer: milligana, 08-May-2019 18:55:31

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.: 480-152814-1

SDG No.:

Client Sample ID: MW-06-20190429 Lab Sample ID: 480-152814-8

Matrix: Water Lab File ID: T0664.D

Analysis Method: 8260C Date Collected: 04/29/2019 09:30

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 18:01

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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	*	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	*	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	3.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: MW-06-20190429 Lab Sample ID: 480-152814-8

Matrix: Water Lab File ID: T0664.D

Analysis Method: 8260C Date Collected: 04/29/2019 09:30

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 18:01

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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	0.45	J	1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	28		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	4.2		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		77-120
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
1868-53-7	Dibromofluoromethane (Surr)	111		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0664.D
Lims ID: 480-152814-A-8
Client ID: LMW-06-20190429
Sample Type: Client
Inject. Date: 08-May-2019 18:01:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-152814-a-8
Misc. Info.: 480-0080903-025
Operator ID: AEM Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-May-2019 19:01:28 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: CTX0301

First Level Reviewer: milligana Date: 08-May-2019 19:01:30

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	87799	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	89	367303	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	96	206809	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	91	126898	27.8	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	147468	27.8	
$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.001	95	473666	24.3	
$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.082	0.001	0	158161	27.3	
11 Dichlorodifluoromethane	85		1.263				ND	
13 Chloromethane	50		1.408				ND	
14 Vinyl chloride	62		1.501				ND	
15 Bromomethane	94		1.760				ND	
16 Chloroethane	64		1.822				ND	U
17 Trichlorofluoromethane	101		2.061				ND	
22 1,1-Dichloroethene	96		2.496				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.506				ND	
23 Acetone	43		2.641				ND	
25 Carbon disulfide	76		2.682				ND	
28 Methyl acetate	43		2.879				ND	
30 Methylene Chloride	84	2.993	2.983	0.010	49	2353	0.4501	
32 trans-1,2-Dichloroethene	96		3.169				ND	
33 Methyl tert-butyl ether	73		3.169				ND	
36 1,1-Dichloroethane	63		3.532				ND	
43 cis-1,2-Dichloroethene	96	4.009	4.009	0.000	86	16281	3.14	
44 2-Butanone (MEK)	43		4.030				ND	
50 Chloroform	83		4.258				ND	
52 Cyclohexane	56		4.361				ND	
51 1,1,1-Trichloroethane	97		4.361				ND	
53 Carbon tetrachloride	117		4.465				ND	
55 Benzene	78		4.641				ND	
57 1,2-Dichloroethane	62		4.693				ND	
60 Trichloroethene	95	5.128	5.128	0.000	94	19511	4.17	

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		5.315				ND	
67 Dichlorobromomethane	83		5.543				ND	
71 cis-1,3-Dichloropropene	75		5.853				ND	
72 4-Methyl-2-pentanone (MIBK	43		5.967				ND	
73 Toluene	92		6.071				ND	
75 trans-1,3-Dichloropropene	75		6.289				ND	
78 1,1,2-Trichloroethane	83		6.434				ND	
79 Tetrachloroethene	166	6.486	6.475	0.011	93	139411	28.3	
81 2-Hexanone	43		6.568				ND	
82 Chlorodibromomethane	129		6.734				ND	
83 Ethylene Dibromide	107		6.817				ND	
86 Chlorobenzene	112		7.170				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		7.854				ND	
95 Isopropylbenzene	105		7.926				ND	
98 1,1,2,2-Tetrachloroethane	83		8.237				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_00188	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00218	Amount Added:	1.00	Units: uL	Run Reagent

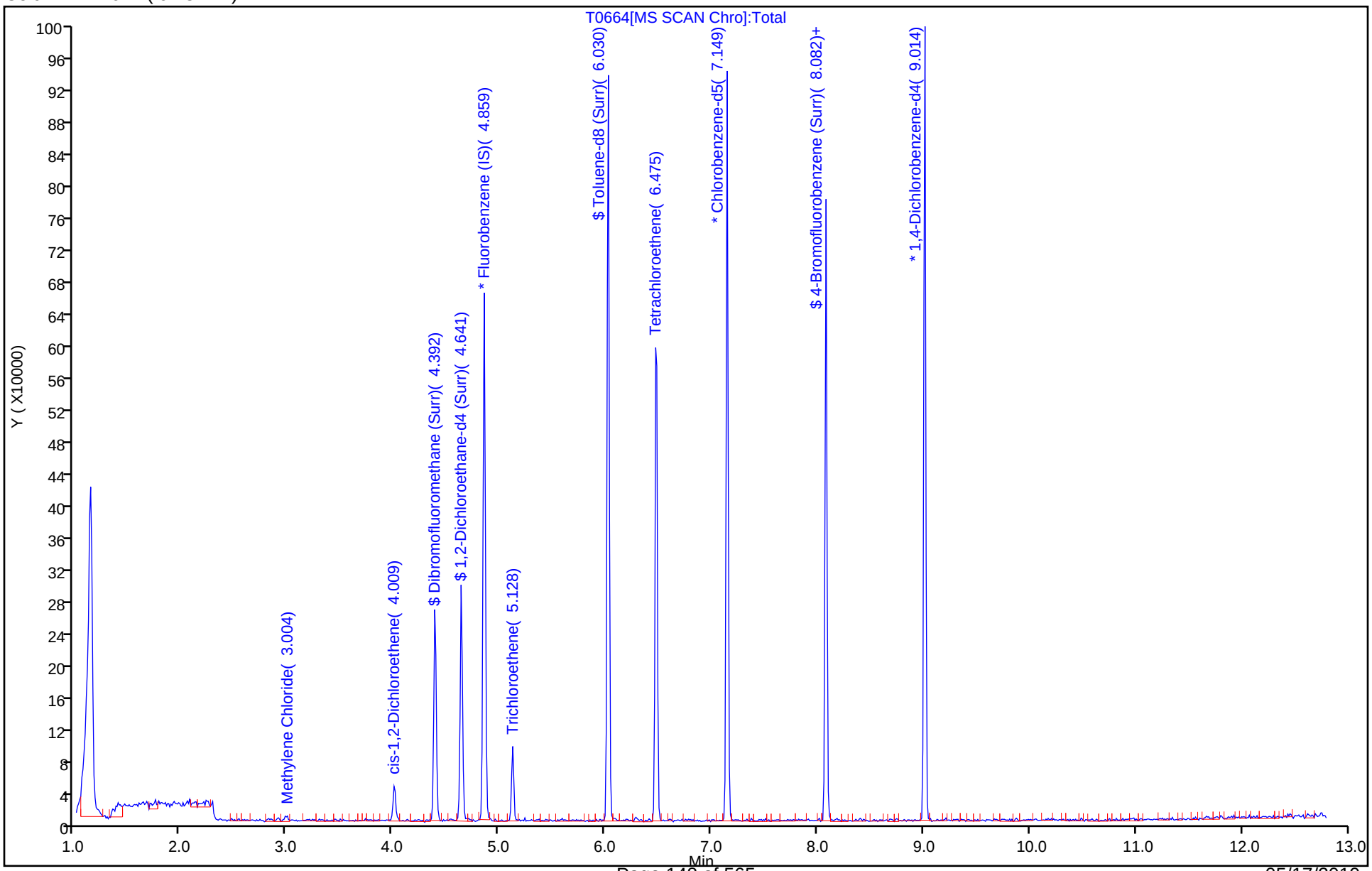
Report Date: 08-May-2019 19:01:31 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0664.D

Injection Date:	08-May-2019 18:01:30	Instrument ID:	HP5975T	Operator ID:	AEM
Lims ID:	480-152814-A-8	Lab Sample ID:	480-152814-8	Worklist Smp#:	25
Client ID:	LMW-06-20190429				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

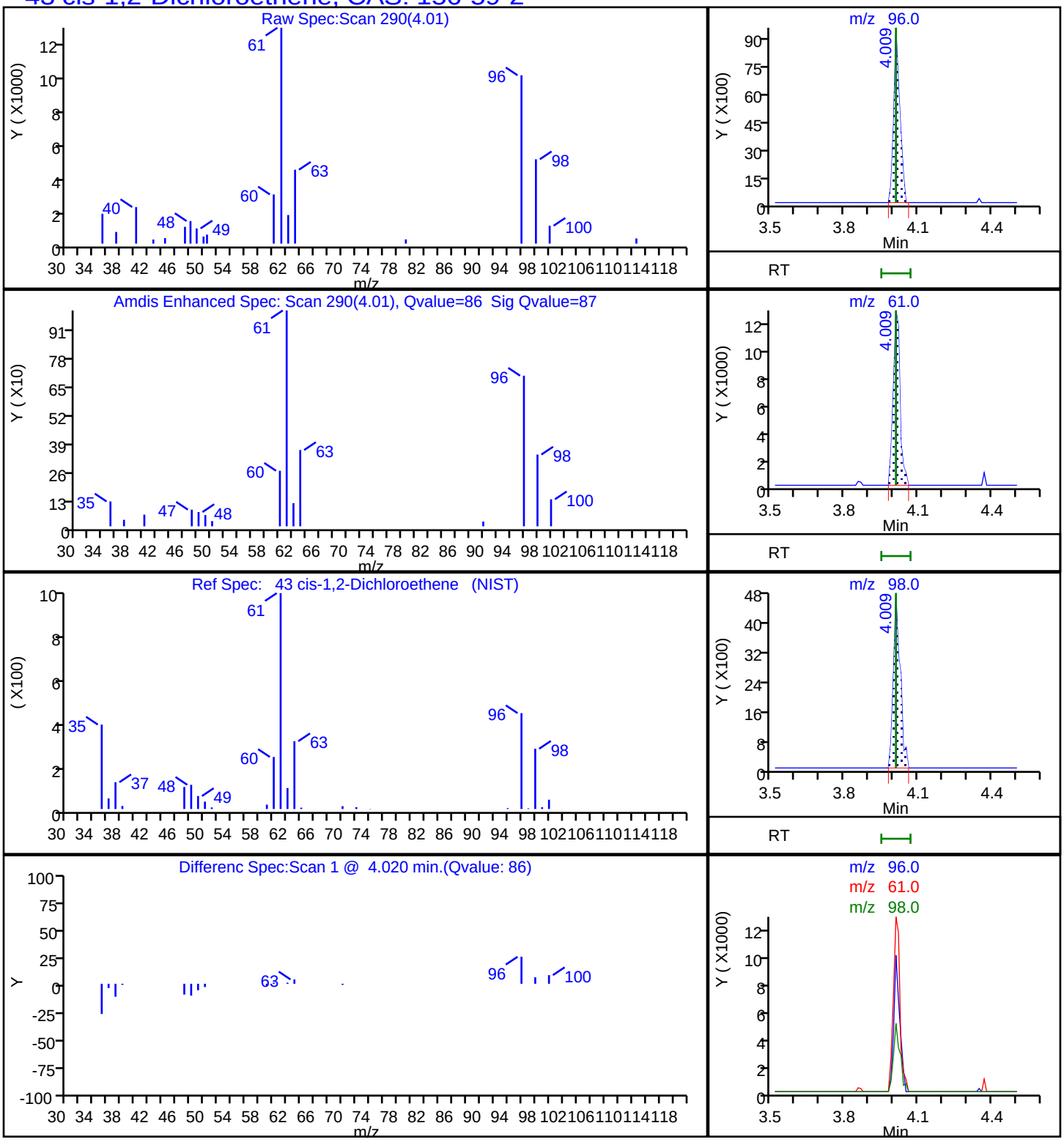


Report Date: 08-May-2019 19:01:31 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0664.D				
Injection Date:	08-May-2019 18:01:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-8	Lab Sample ID:	480-152814-8		
Client ID:	LMW-06-20190429				
Operator ID:	AEM	ALS Bottle#:	24	Worklist Smp#:	25
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		

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



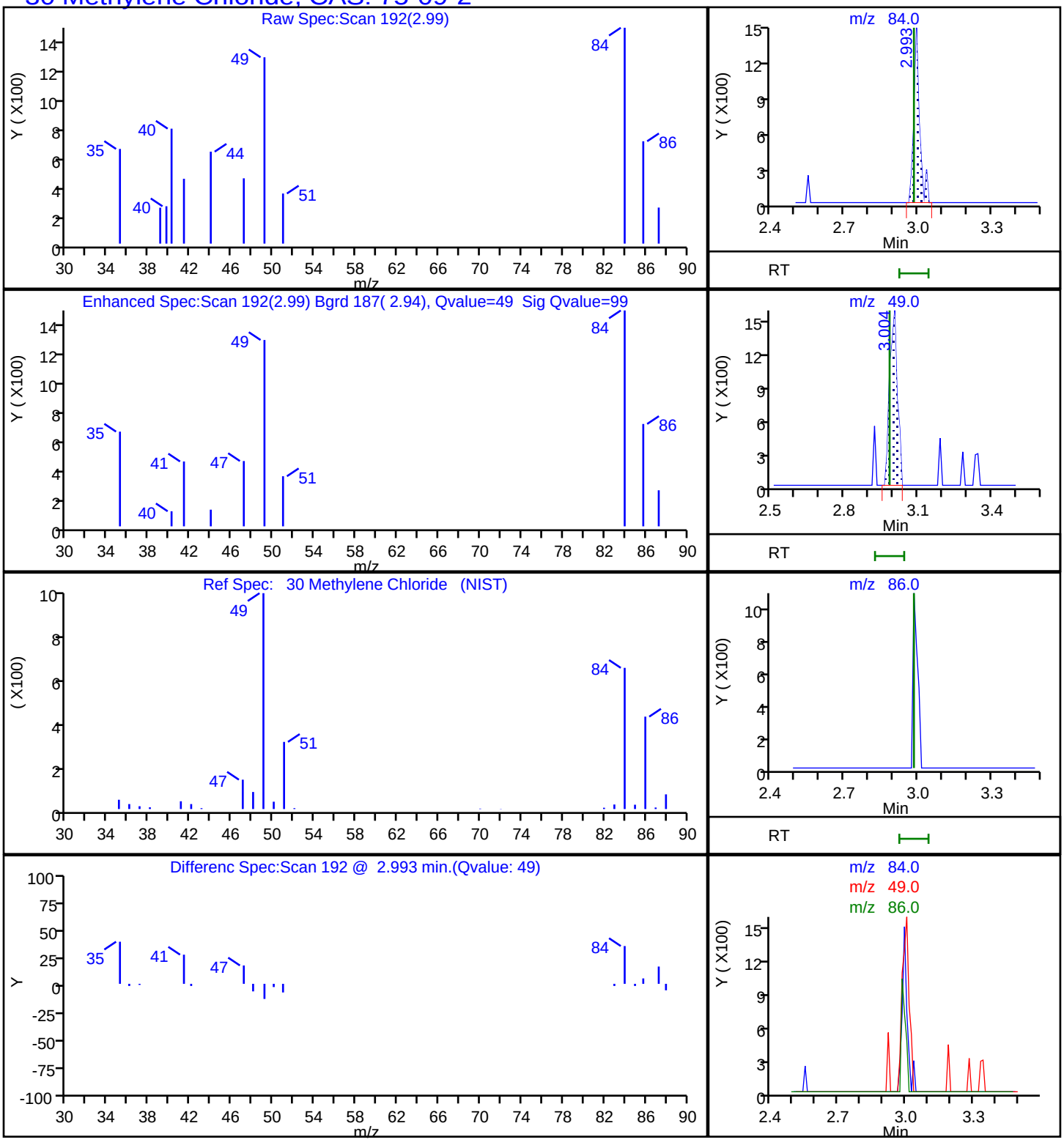
Report Date: 08-May-2019 19:01:31 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0664.D

Injection Date:	08-May-2019 18:01:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-8	Lab Sample ID:	480-152814-8		
Client ID:	LMW-06-20190429				
Operator ID:	AEM	ALS Bottle#:	24	Worklist Smp#:	25
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		

30 Methylene Chloride, CAS: 75-09-2

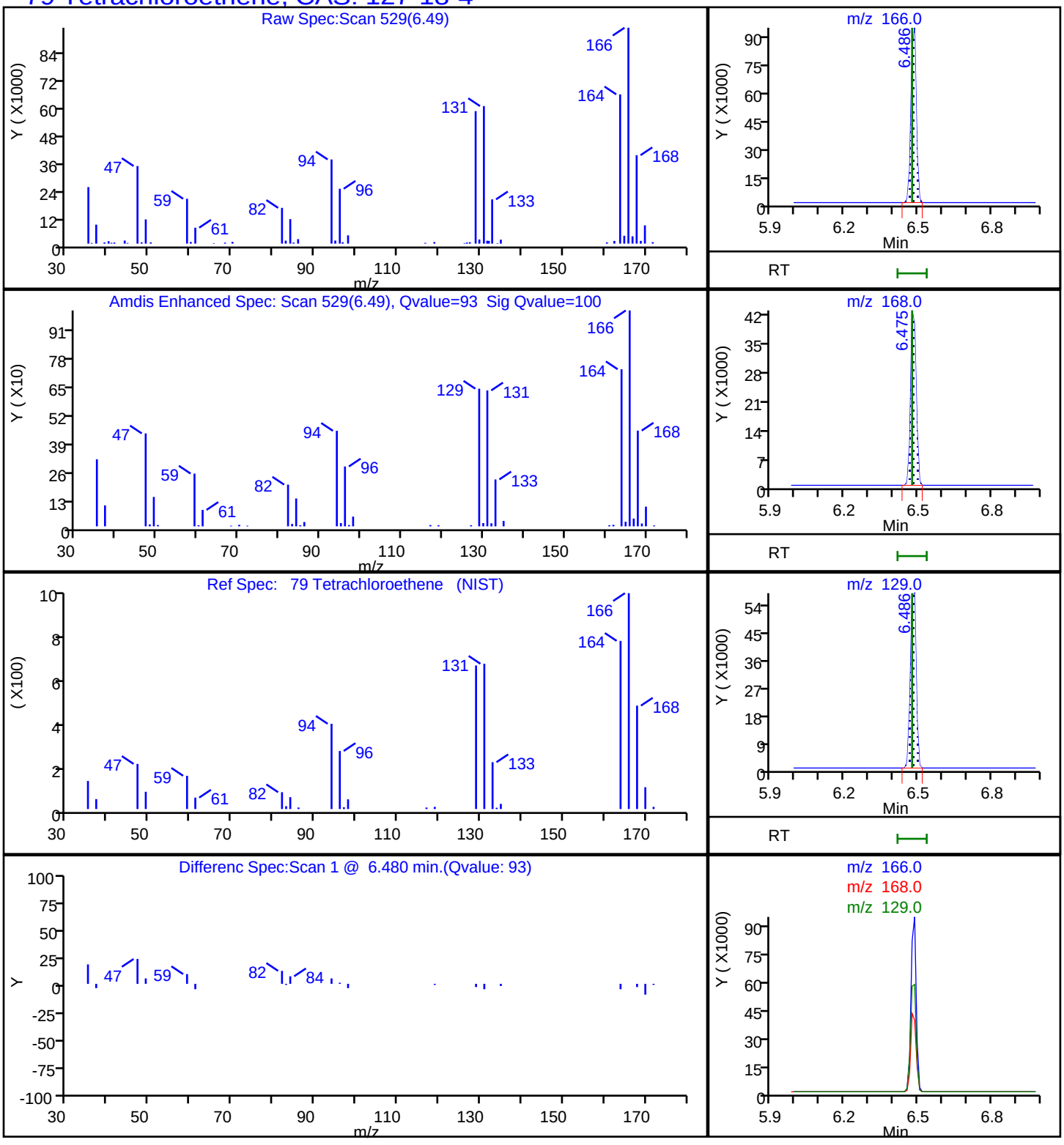


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0664.D

Injection Date:	08-May-2019 18:01:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-8	Lab Sample ID:	480-152814-8		
Client ID:	LMW-06-20190429				
Operator ID:	AEM	ALS Bottle#:	24	Worklist Smp#:	25
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		

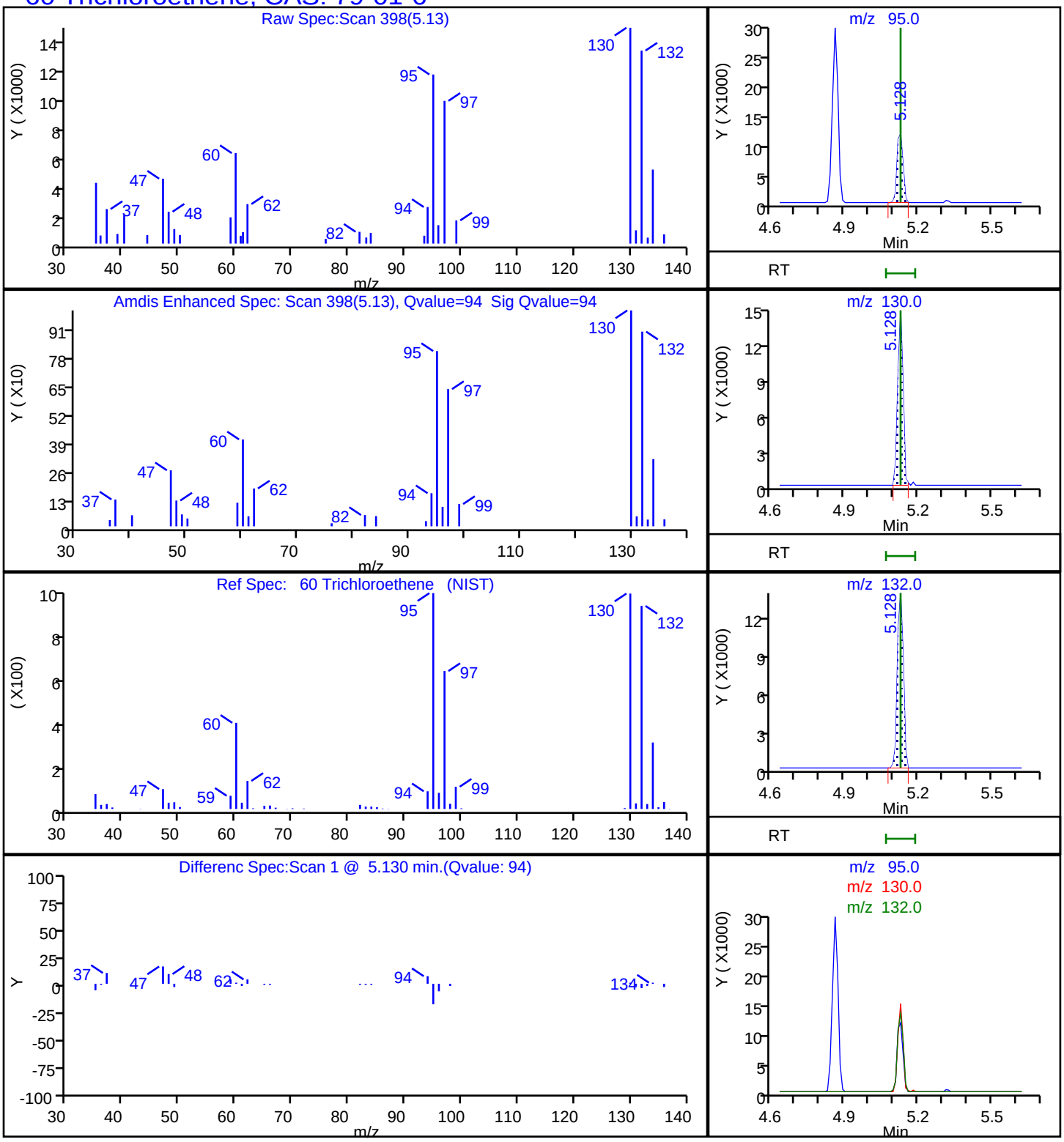
79 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0664.D				
Injection Date:	08-May-2019 18:01:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-8	Lab Sample ID:	480-152814-8		
Client ID:	LMW-06-20190429				
Operator ID:	AEM	ALS Bottle#:	24	Worklist Smp#:	25
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		

60 Trichloroethene, CAS: 79-01-6



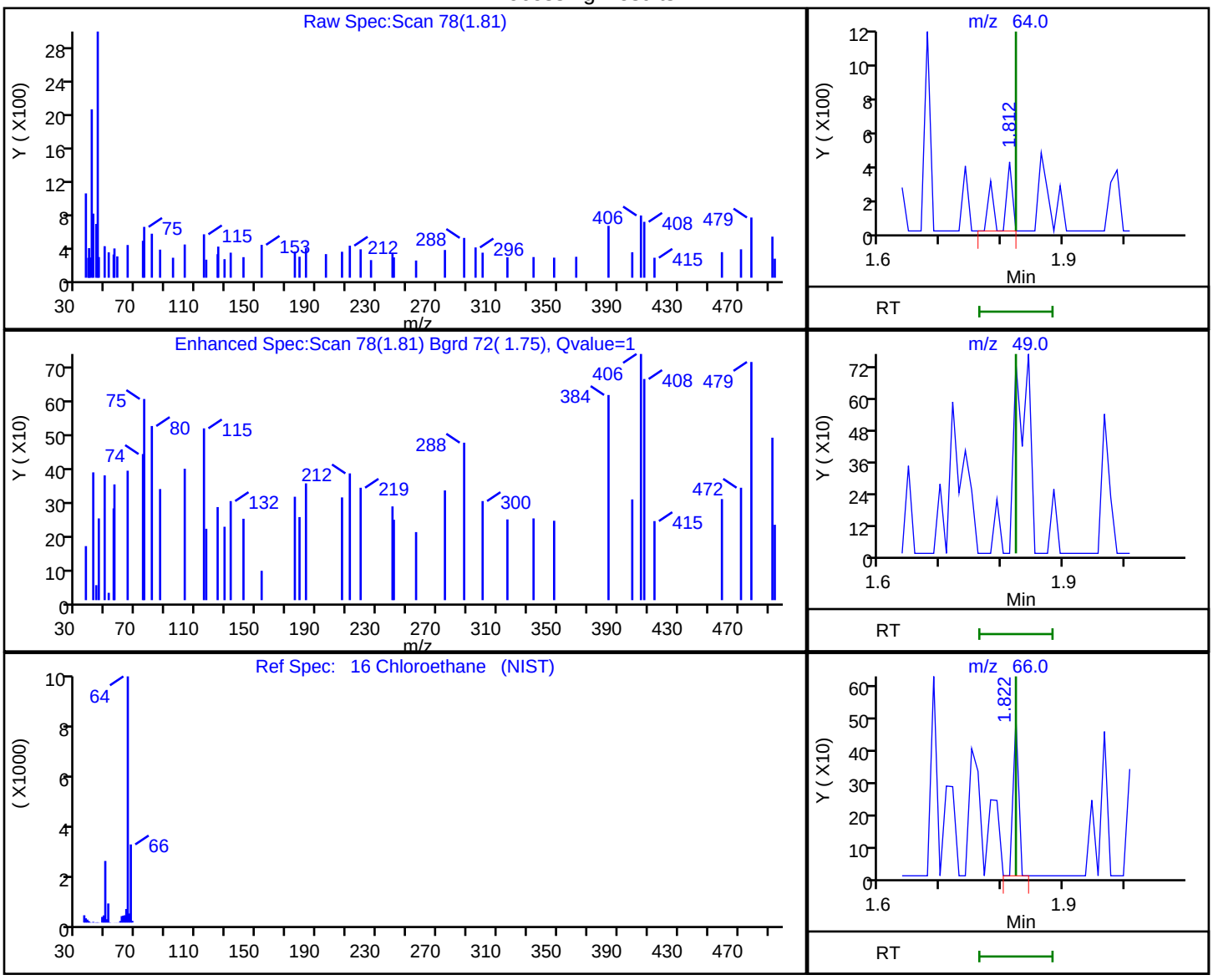
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0664.D				
Injection Date:	08-May-2019 18:01:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-8	Lab Sample ID:	480-152814-8		
Client ID:	LMW-06-20190429				
Operator ID:	AEM	ALS Bottle#:	24	Worklist Smp#:	25
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

Processing Results



RT	Mass	Response	Amount
1.81	64.00	415	-0.564502
1.82	66.00	305	
1.82	49.00	0	

Reviewer: milligana, 08-May-2019 18:58:54

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: FB-20190430 Lab Sample ID: 480-152814-9

Matrix: Water Lab File ID: S4721.D

Analysis Method: 8260C Date Collected: 04/30/2019 09:45

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 12:55

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.: 471956 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: FB-20190430 Lab Sample ID: 480-152814-9

Matrix: Water Lab File ID: S4721.D

Analysis Method: 8260C Date Collected: 04/30/2019 09:45

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 12:55

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.: 471956 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	88		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4721.D
Lims ID: 480-152814-A-9
Client ID: FB-20190430
Sample Type: Client
Inject. Date: 09-May-2019 12:55:30 ALS Bottle#: 7 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-152814-A-9
Misc. Info.: 480-0080927-014
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 18:29:17 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: CTX0316

First Level Reviewer: milligana Date: 09-May-2019 18:29:18

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	106964	25.0	
* 2 Chlorobenzene-d5	82	8.467	8.466	0.001	85	231176	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	95	215997	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.889	4.889	0.000	56	137750	23.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.194	5.200	-0.006	92	91784	25.4	
$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	93	534012	23.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	90	155118	21.9	
10 Dichlorodifluoromethane	85		1.276				ND	
12 Chloromethane	50		1.458				ND	
13 Vinyl chloride	62		1.568				ND	
14 Bromomethane	94		1.854				ND	
15 Chloroethane	64		1.957				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		2.699				ND	
23 Acetone	43	2.803	2.803	-0.006	64	3410	1.19	a
26 Carbon disulfide	76		2.888				ND	
27 Methyl acetate	43		3.107				ND	
30 Methylene Chloride	84		3.204				ND	
32 Methyl tert-butyl ether	73		3.423				ND	
34 trans-1,2-Dichloroethene	96		3.429				ND	
39 1,1-Dichloroethane	63		3.855				ND	
45 cis-1,2-Dichloroethene	96		4.409				ND	
43 2-Butanone (MEK)	43		4.451				ND	
50 Chloroform	83		4.725				ND	
51 1,1,1-Trichloroethane	97		4.841				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		5.260				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		6.045				ND	
68 Dichlorobromomethane	83		6.343				ND	
72 cis-1,3-Dichloropropene	75		6.757				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.909				ND	
74 Toluene	92		7.043				ND	
77 trans-1,3-Dichloropropene	75		7.329				ND	
79 1,1,2-Trichloroethane	83		7.523				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				ND	
91 o-Xylene	106		9.136				ND	
92 Styrene	104		9.166				ND	
95 Bromoform	173		9.415				ND	
94 Isopropylbenzene	105		9.513				ND	
97 1,1,2,2-Tetrachloroethane	83		9.920				ND	
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		30.000				ND	

QC Flag Legend

Review Flags

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

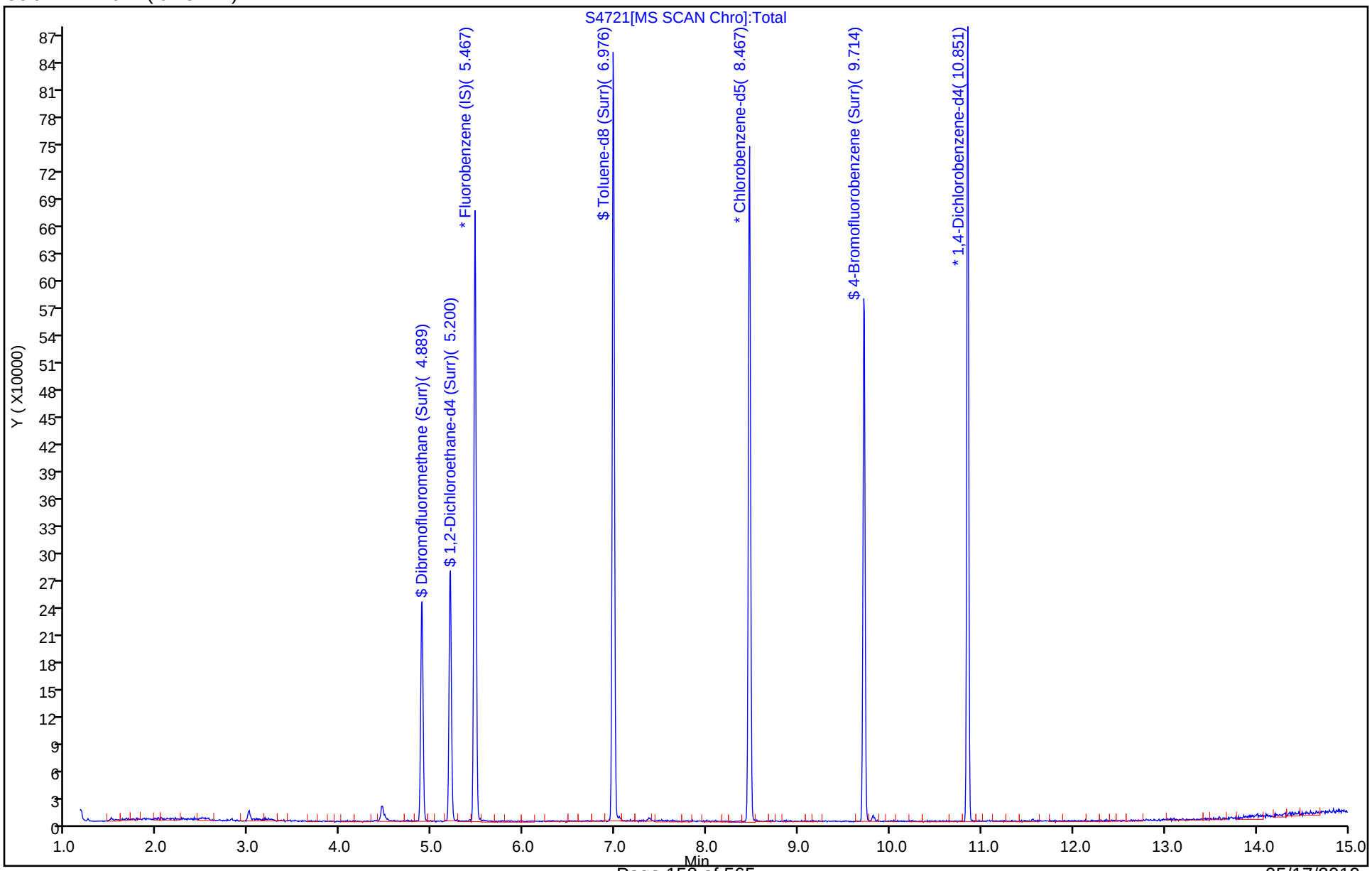
Report Date: 09-May-2019 18:29:18 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4721.D

Injection Date:	09-May-2019 12:55:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-152814-A-9	Lab Sample ID:	480-152814-9	Worklist Smp#:	14
Client ID:	FB-20190430				
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)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

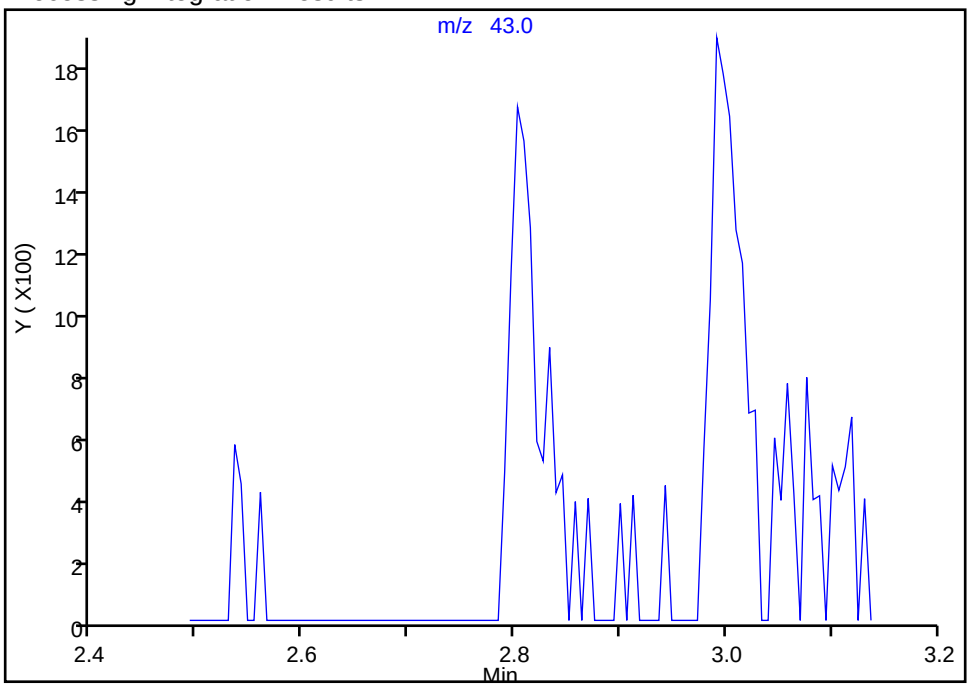
Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4721.D				
Injection Date:	09-May-2019 12:55:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-9	Lab Sample ID:	480-152814-9		
Client ID:	FB-20190430				
Operator ID:	AM	ALS Bottle#:	7	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

Signal: 1

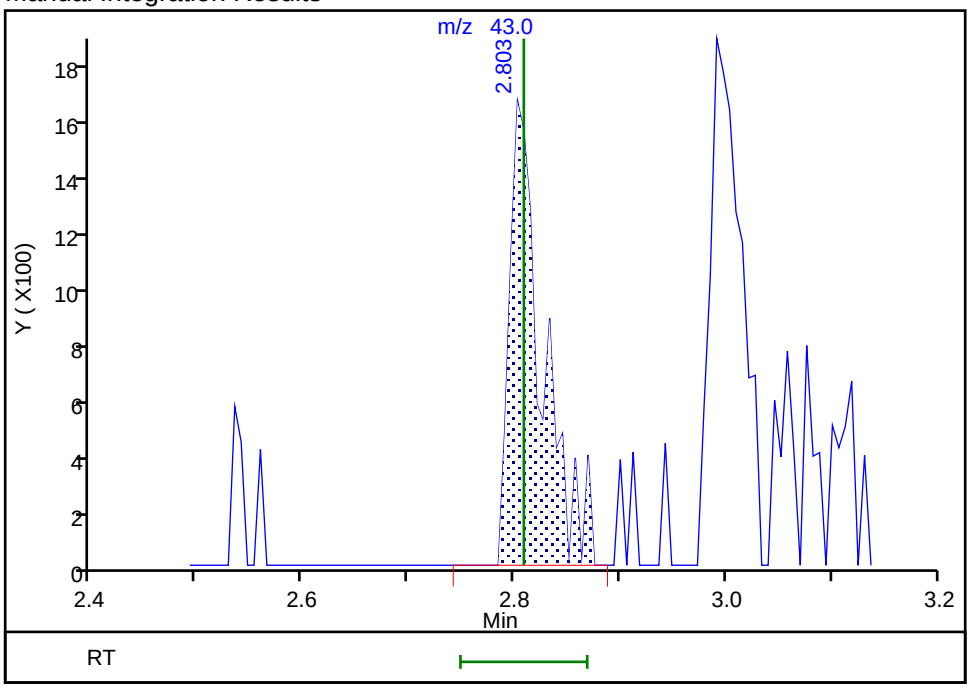
Not Detected
Expected RT: 2.81

Processing Integration Results



Manual Integration Results

RT: 2.80
Area: 3410
Amount: 1.194550
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 18:29:00
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.: 480-152814-1

SDG No.:

Client Sample ID: DUP-20190430 Lab Sample ID: 480-152814-10

Matrix: Water Lab File ID: S4722.D

Analysis Method: 8260C Date Collected: 04/30/2019 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 13:18

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.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	45		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	14		1.0	0.38
75-35-4	1,1-Dichloroethene	1.6		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: DUP-20190430 Lab Sample ID: 480-152814-10

Matrix: Water Lab File ID: S4722.D

Analysis Method: 8260C Date Collected: 04/30/2019 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 13:18

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.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	0.82	J	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	2.7		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4722.D
Lims ID: 480-152814-B-10
Client ID: DUP-20190430
Sample Type: Client
Inject. Date: 09-May-2019 13:18:30 ALS Bottle#: 8 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-152814-B-10
Misc. Info.: 480-0080927-015
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 18:30:24 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: CTX0316

First Level Reviewer: milligana Date: 09-May-2019 18:30:27

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	109855	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	85	230127	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	95	214412	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.889	4.889	0.000	56	139246	23.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.200	5.200	0.000	92	91006	24.5	
$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	93	536716	23.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	88	162989	23.1	
10 Dichlorodifluoromethane	85		1.276				ND	
12 Chloromethane	50		1.458				ND	
13 Vinyl chloride	62		1.568				ND	
14 Bromomethane	94		1.854				ND	
15 Chloroethane	64		1.957				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	2.693	2.699	-0.006	58	8755	1.58	
23 Acetone	43	2.815	2.815	0.006	70	3903	1.33	a
26 Carbon disulfide	76		2.888				ND	
27 Methyl acetate	43		3.107				ND	
30 Methylene Chloride	84		3.204				ND	
32 Methyl tert-butyl ether	73		3.423				ND	
34 trans-1,2-Dichloroethene	96		3.429				ND	
39 1,1-Dichloroethane	63	3.855	3.855	0.000	97	168049	14.2	
45 cis-1,2-Dichloroethene	96		4.409				ND	
43 2-Butanone (MEK)	43		4.451				ND	
50 Chloroform	83	4.731	4.731	0.006	15	2128	0.1793	a
51 1,1,1-Trichloroethane	97	4.835	4.841	-0.006	91	424500	45.4	
52 Cyclohexane	56		4.841				ND	
55 Carbon tetrachloride	117		4.974				ND	
57 Benzene	78		5.193				ND	
58 1,2-Dichloroethane	62		5.260				ND	
62 Trichloroethene	95	5.808	5.808	0.000	83	17523	2.70	

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		6.045				ND	
68 Dichlorobromomethane	83		6.343				ND	
72 cis-1,3-Dichloropropene	75		6.757				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.909				ND	
74 Toluene	92		7.043				ND	
77 trans-1,3-Dichloropropene	75		7.329				ND	
79 1,1,2-Trichloroethane	83		7.523				ND	Ua
81 Tetrachloroethene	166	7.578	7.572	0.006	70	5700	0.8206	
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				ND	
91 o-Xylene	106		9.136				ND	
92 Styrene	104		9.166				ND	
95 Bromoform	173		9.415				ND	
94 Isopropylbenzene	105		9.513				ND	
97 1,1,2,2-Tetrachloroethane	83		9.920				ND	
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		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

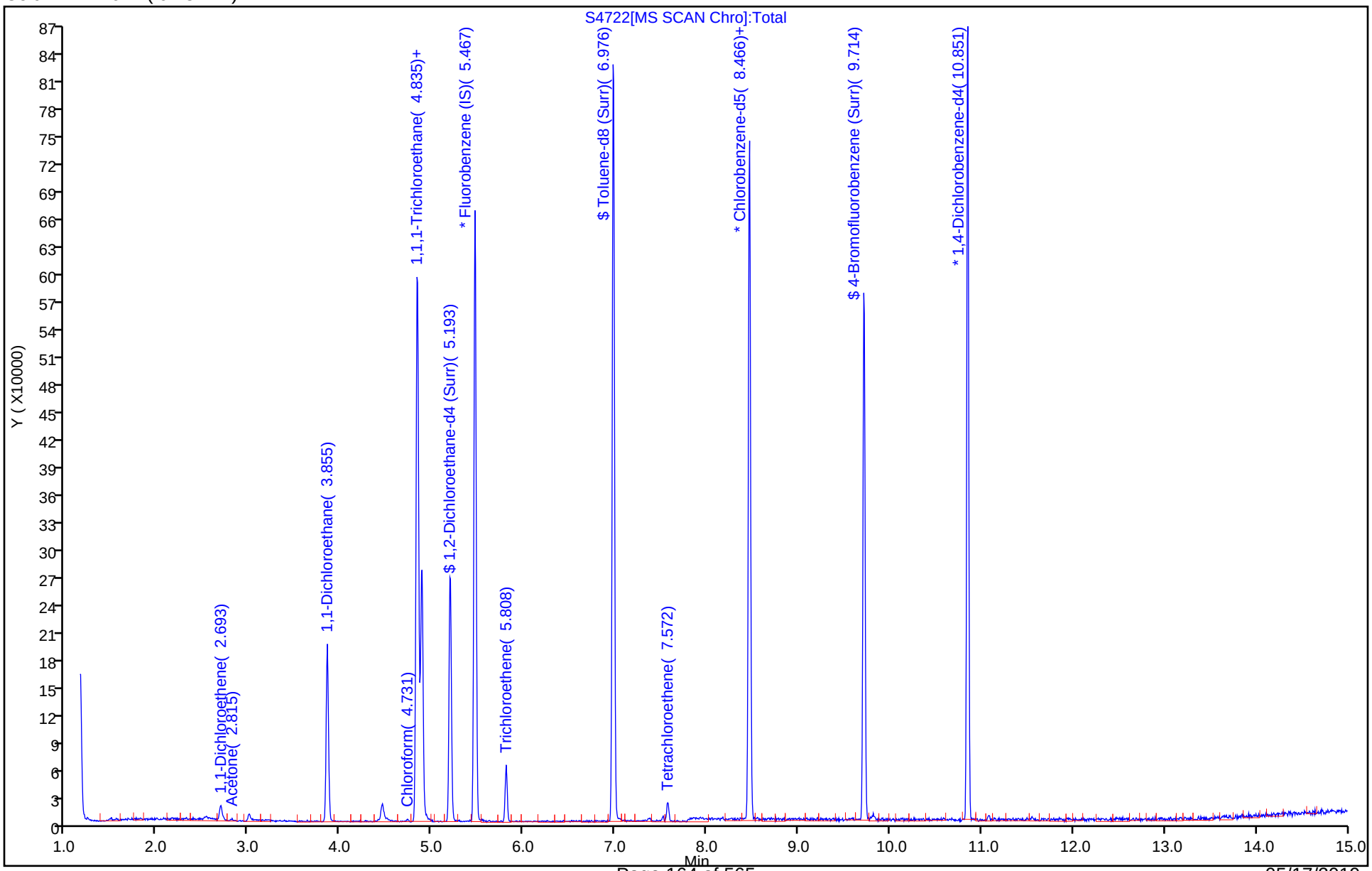
Report Date: 09-May-2019 18:30:28 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4722.D

Injection Date:	09-May-2019 13:18:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-152814-B-10	Lab Sample ID:	480-152814-10	Worklist Smp#:	15
Client ID:	DUP-20190430				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

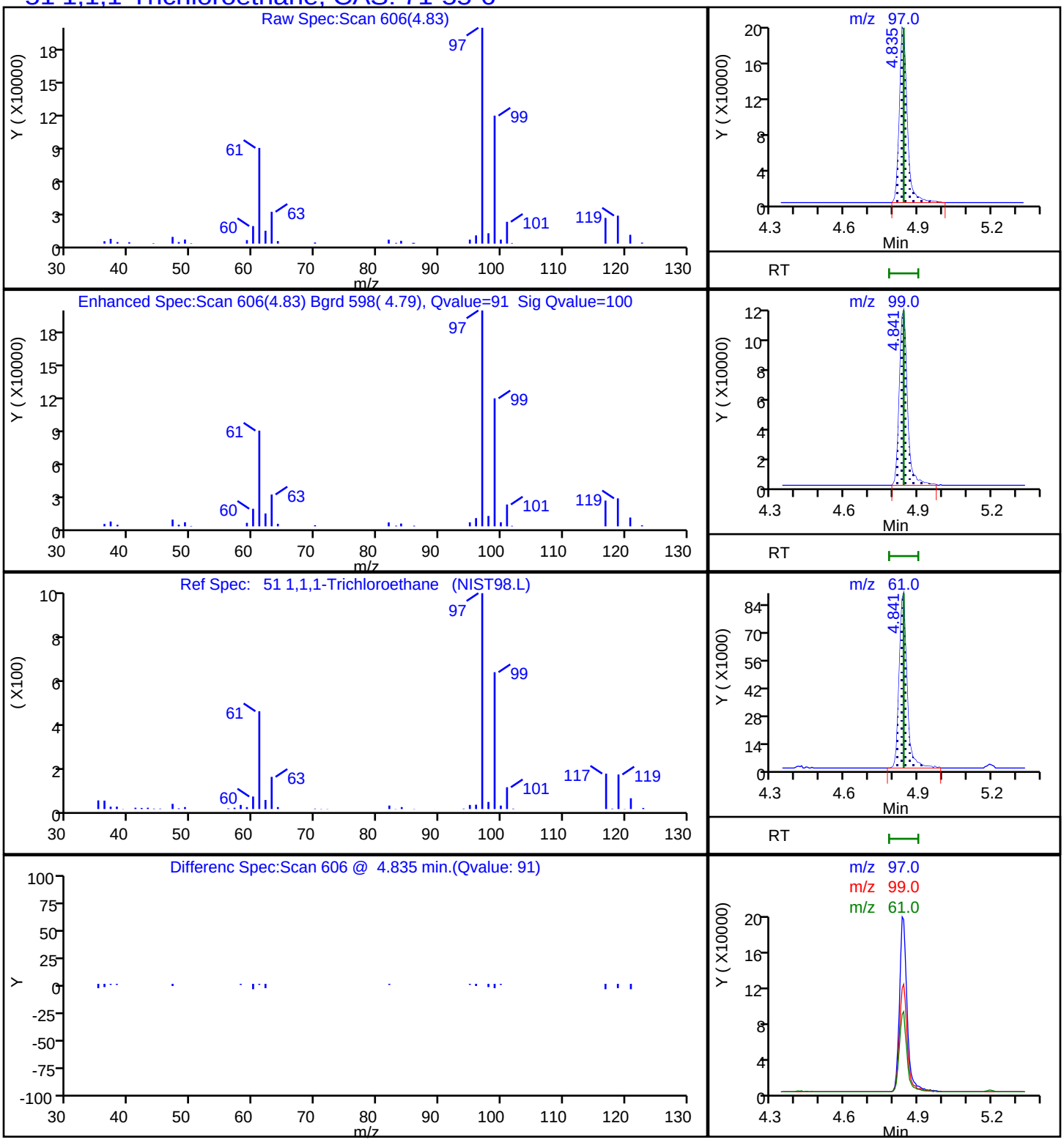


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4722.D

Injection Date:	09-May-2019 13:18:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-B-10	Lab Sample ID:	480-152814-10		
Client ID:	DUP-20190430				
Operator ID:	AM	ALS Bottle#:	8	Worklist Smp#:	15
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

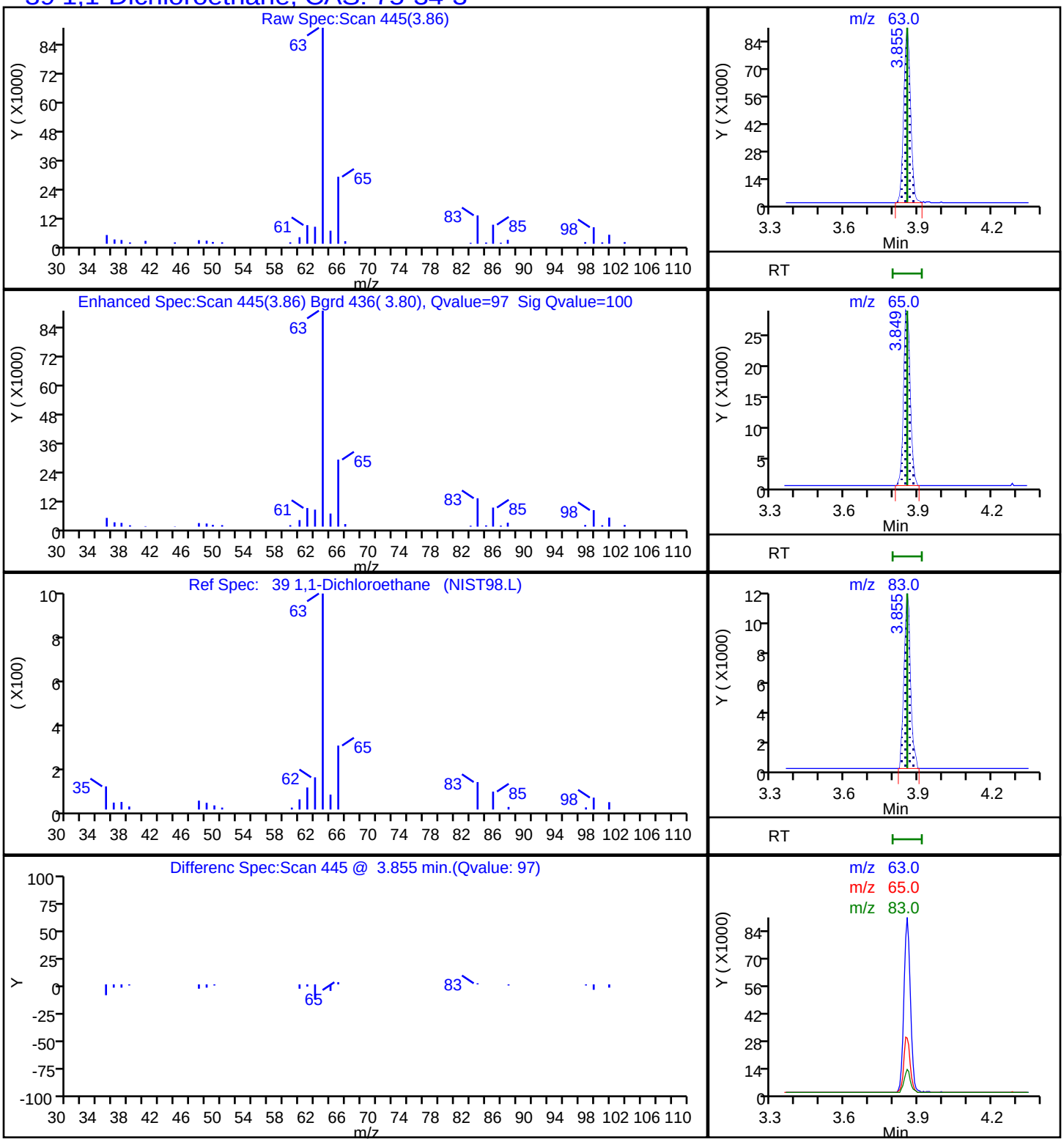


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4722.D

Injection Date:	09-May-2019 13:18:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-B-10	Lab Sample ID:	480-152814-10		
Client ID:	DUP-20190430				
Operator ID:	AM	ALS Bottle#:	8	Worklist Smp#:	15
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		

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

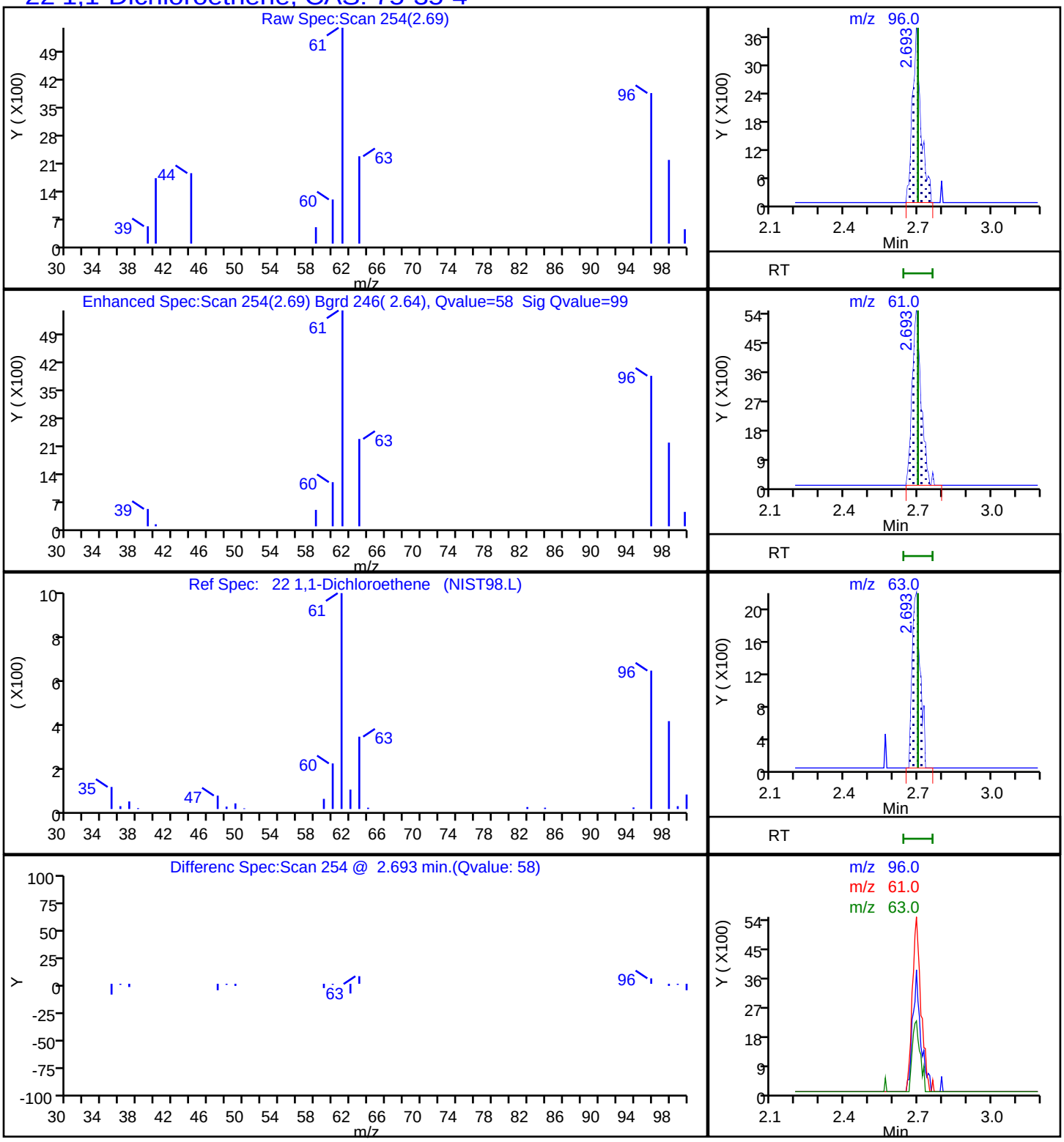


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4722.D

Injection Date:	09-May-2019 13:18:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-B-10	Lab Sample ID:	480-152814-10		
Client ID:	DUP-20190430				
Operator ID:	AM	ALS Bottle#:	8	Worklist Smp#:	15
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

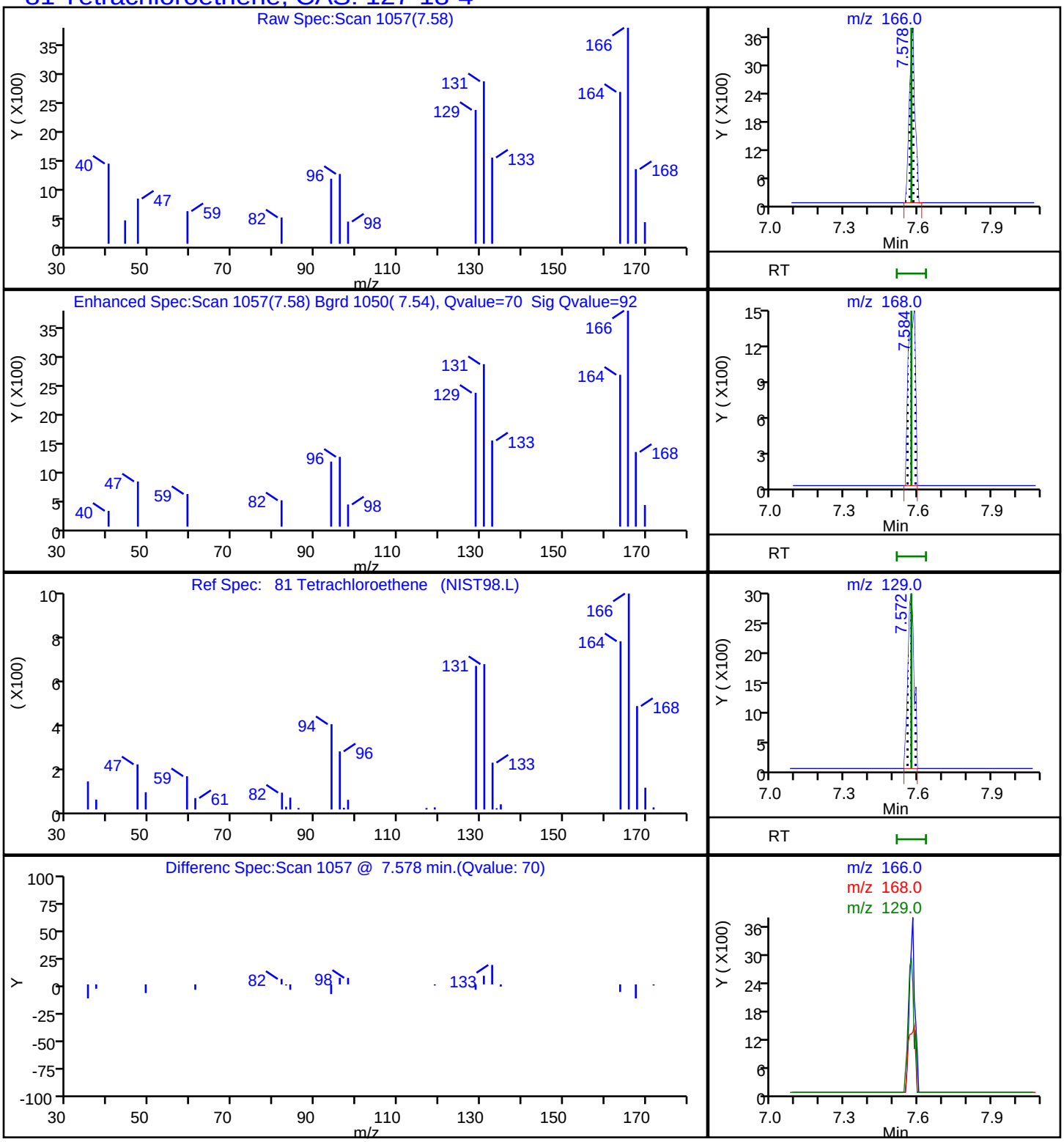


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4722.D

Injection Date:	09-May-2019 13:18:30	Instrument ID:	HP5973S
Lims ID:	480-152814-B-10	Lab Sample ID:	480-152814-10
Client ID:	DUP-20190430		
Operator ID:	AM	ALS Bottle#:	8 Worklist Smp#: 15
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



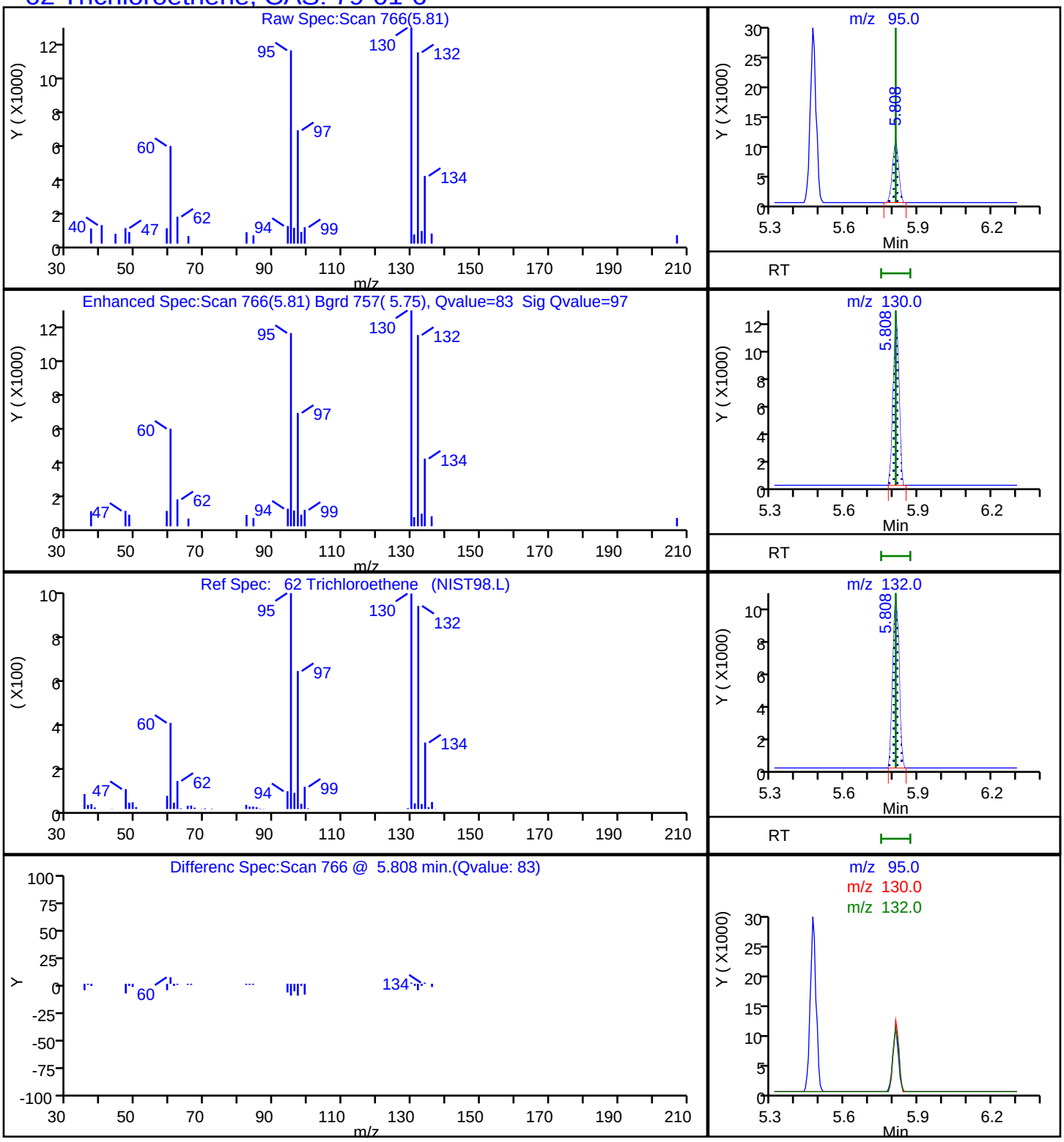
Report Date: 09-May-2019 18:30:28 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4722.D

Injection Date:	09-May-2019 13:18:30	Instrument ID:	HP5973S
Lims ID:	480-152814-B-10	Lab Sample ID:	480-152814-10
Client ID:	DUP-20190430		
Operator ID:	AM	ALS Bottle#:	8 Worklist Smp#: 15
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

62 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

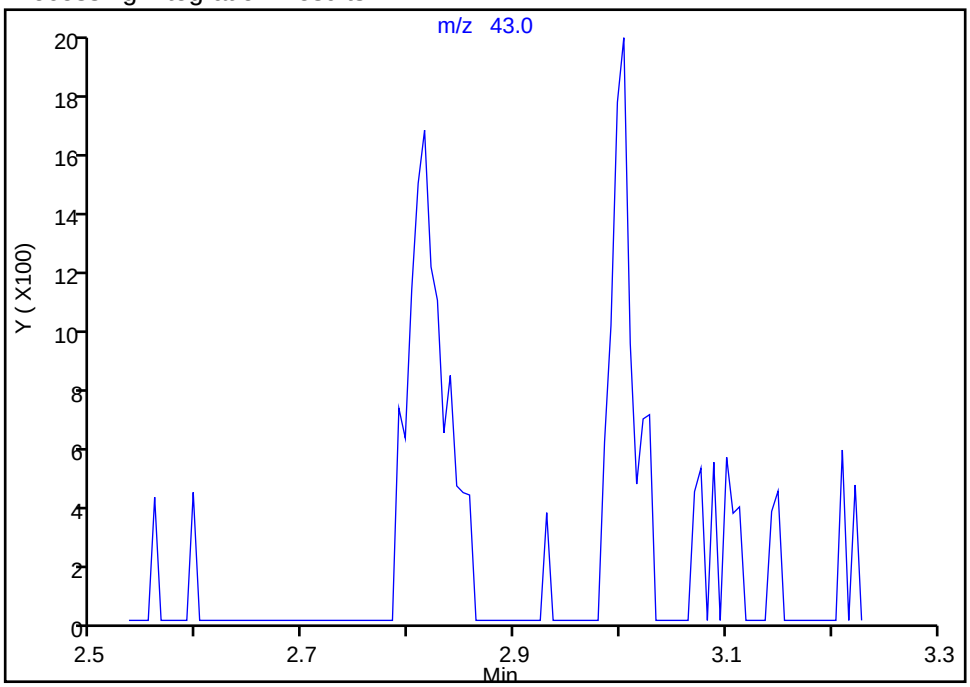
Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4722.D				
Injection Date:	09-May-2019 13:18:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-B-10	Lab Sample ID:	480-152814-10		
Client ID:	DUP-20190430				
Operator ID:	AM	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	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

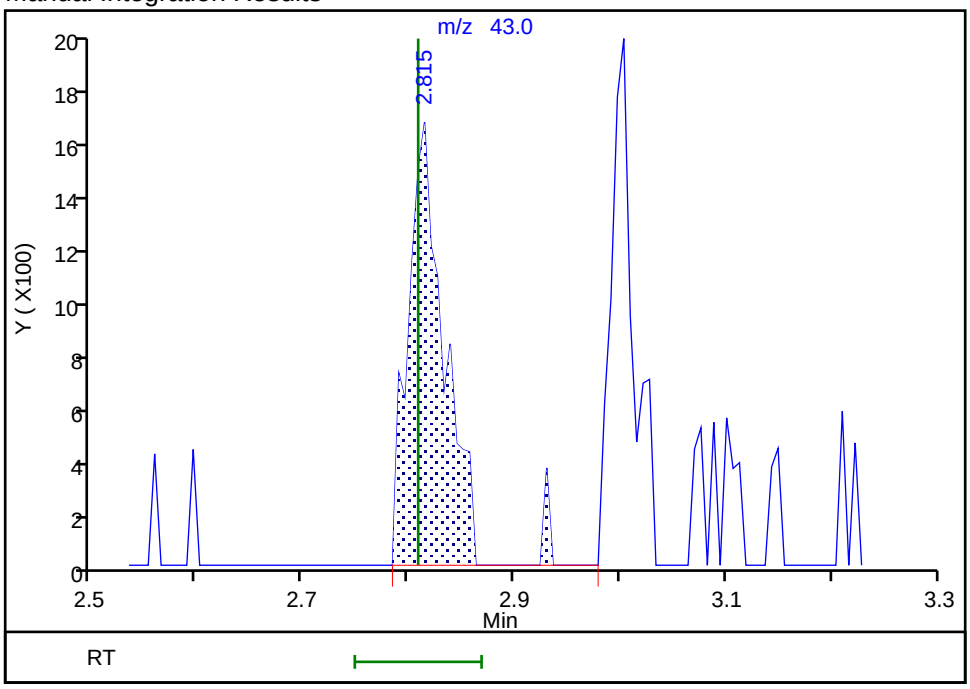
Not Detected
Expected RT: 2.81

Processing Integration Results



Manual Integration Results

RT: 2.81
Area: 3903
Amount: 1.331271
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 18:29:45
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

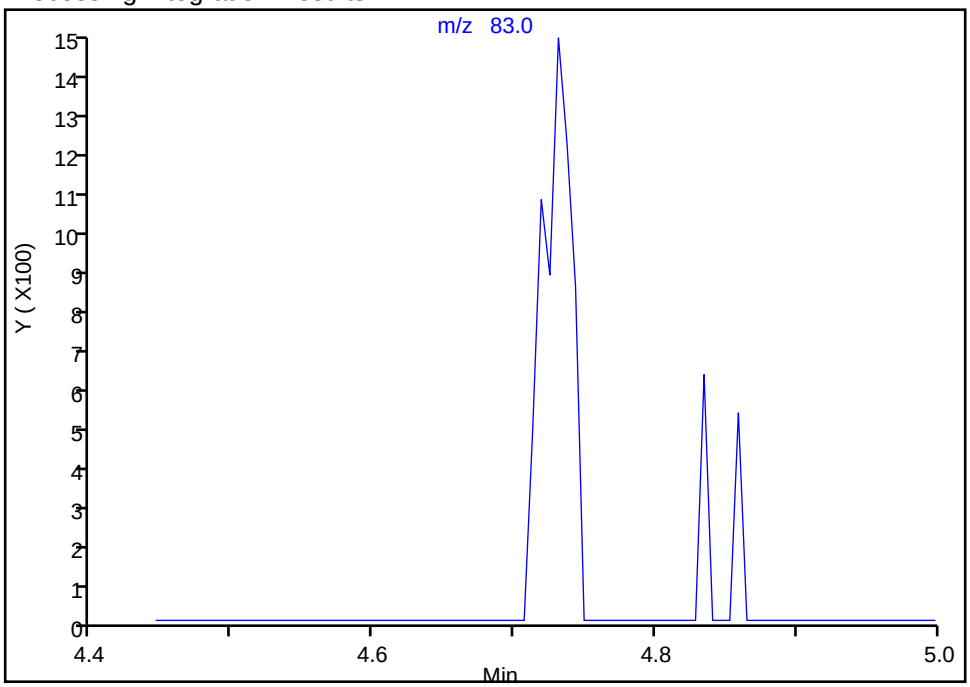
Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4722.D				
Injection Date:	09-May-2019 13:18:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-B-10	Lab Sample ID:	480-152814-10		
Client ID:	DUP-20190430				
Operator ID:	AM	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

50 Chloroform, CAS: 67-66-3

Signal: 1

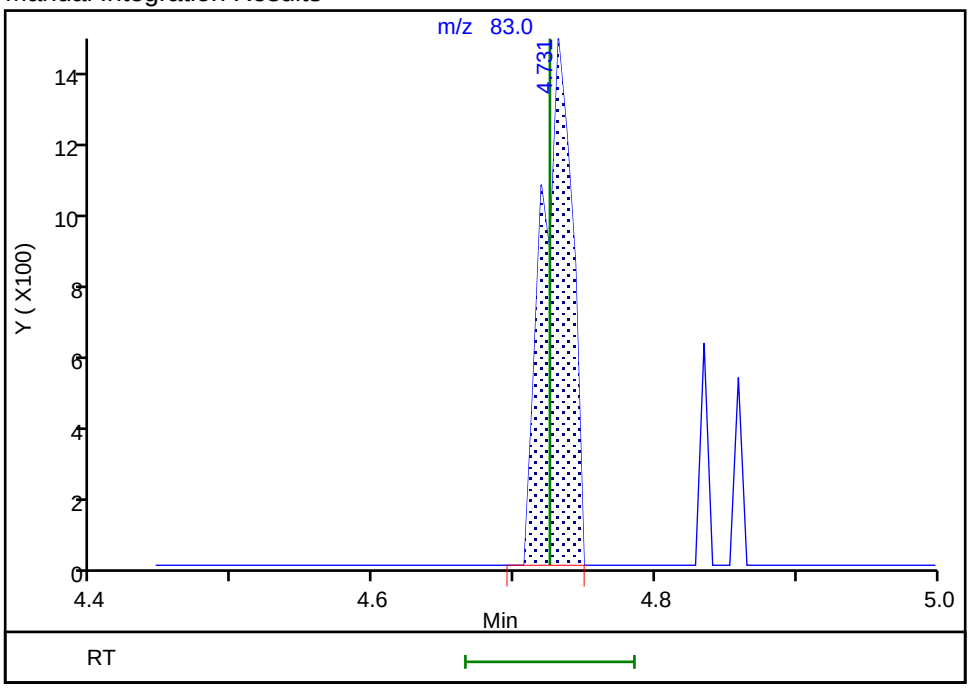
Not Detected
Expected RT: 4.73

Processing Integration Results



Manual Integration Results

RT: 4.73
Area: 2128
Amount: 0.179329
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 18:29:54
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.: 480-152814-1

SDG No.:

Client Sample ID: LMW-03-20190430 Lab Sample ID: 480-152814-11

Matrix: Water Lab File ID: S4723.D

Analysis Method: 8260C Date Collected: 04/30/2019 10:25

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 13:41

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.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	50		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	16		1.0	0.38
75-35-4	1,1-Dichloroethene	1.0		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-03-20190430 Lab Sample ID: 480-152814-11

Matrix: Water Lab File ID: S4723.D

Analysis Method: 8260C Date Collected: 04/30/2019 10:25

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 13:41

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.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	1.0		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	2.9		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
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	86		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4723.D
Lims ID: 480-152814-A-11
Client ID: LMW-03-20190430
Sample Type: Client
Inject. Date: 09-May-2019 13:41:30 ALS Bottle#: 9 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-152814-A-11
Misc. Info.: 480-0080927-016
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 18:31:23 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: CTX0316

First Level Reviewer: milligana Date: 09-May-2019 18:31:25

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	102084	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	82	204349	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	94	184591	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.883	4.889	-0.006	55	139079	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.199	5.200	-0.001	92	87687	25.4	
$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	84	499944	24.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	90	135045	21.6	
10 Dichlorodifluoromethane	85		1.276				ND	
12 Chloromethane	50		1.458				ND	U
13 Vinyl chloride	62		1.568				ND	
14 Bromomethane	94		1.854				ND	
15 Chloroethane	64		1.957				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	2.687	2.699	-0.012	57	5386	1.05	
23 Acetone	43		2.809				ND	Ua
26 Carbon disulfide	76		2.888				ND	
27 Methyl acetate	43		3.107				ND	
30 Methylene Chloride	84		3.204				ND	
32 Methyl tert-butyl ether	73		3.423				ND	
34 trans-1,2-Dichloroethene	96		3.429				ND	
39 1,1-Dichloroethane	63	3.855	3.855	0.000	85	173325	15.7	
45 cis-1,2-Dichloroethene	96		4.409				ND	
43 2-Butanone (MEK)	43		4.451				ND	
50 Chloroform	83	4.731	4.731	0.006	1	1636	0.1484	
51 1,1,1-Trichloroethane	97	4.834	4.841	-0.007	91	431443	49.7	
52 Cyclohexane	56		4.841				ND	
55 Carbon tetrachloride	117		4.974				ND	
57 Benzene	78		5.193				ND	
58 1,2-Dichloroethane	62		5.260				ND	
62 Trichloroethene	95	5.808	5.808	0.000	71	17342	2.88	

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		6.045				ND	
68 Dichlorobromomethane	83		6.343				ND	
72 cis-1,3-Dichloropropene	75		6.757				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.909				ND	
74 Toluene	92		7.043				ND	
77 trans-1,3-Dichloropropene	75		7.329				ND	
79 1,1,2-Trichloroethane	83		7.523				ND	Ua
81 Tetrachloroethene	166	7.572	7.572	0.000	70	6193	1.00	
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				ND	
91 o-Xylene	106		9.136				ND	
92 Styrene	104		9.166				ND	
95 Bromoform	173		9.415				ND	
94 Isopropylbenzene	105		9.513				ND	
97 1,1,2,2-Tetrachloroethane	83		9.920				ND	
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		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

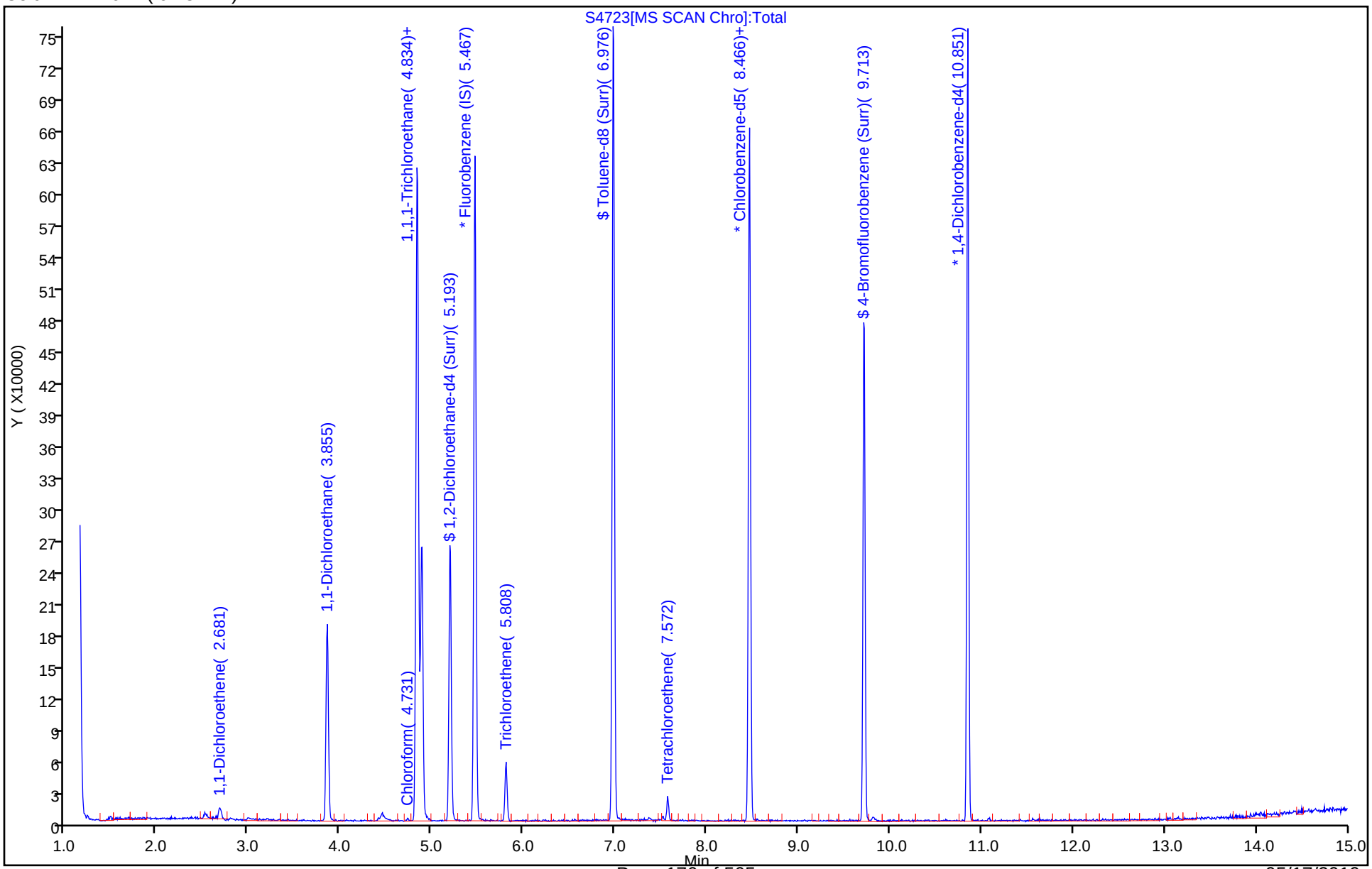
Report Date: 09-May-2019 18:31:25 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4723.D

Injection Date:	09-May-2019 13:41:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-152814-A-11	Lab Sample ID:	480-152814-11	Worklist Smp#:	16
Client ID:	LMW-03-20190430				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

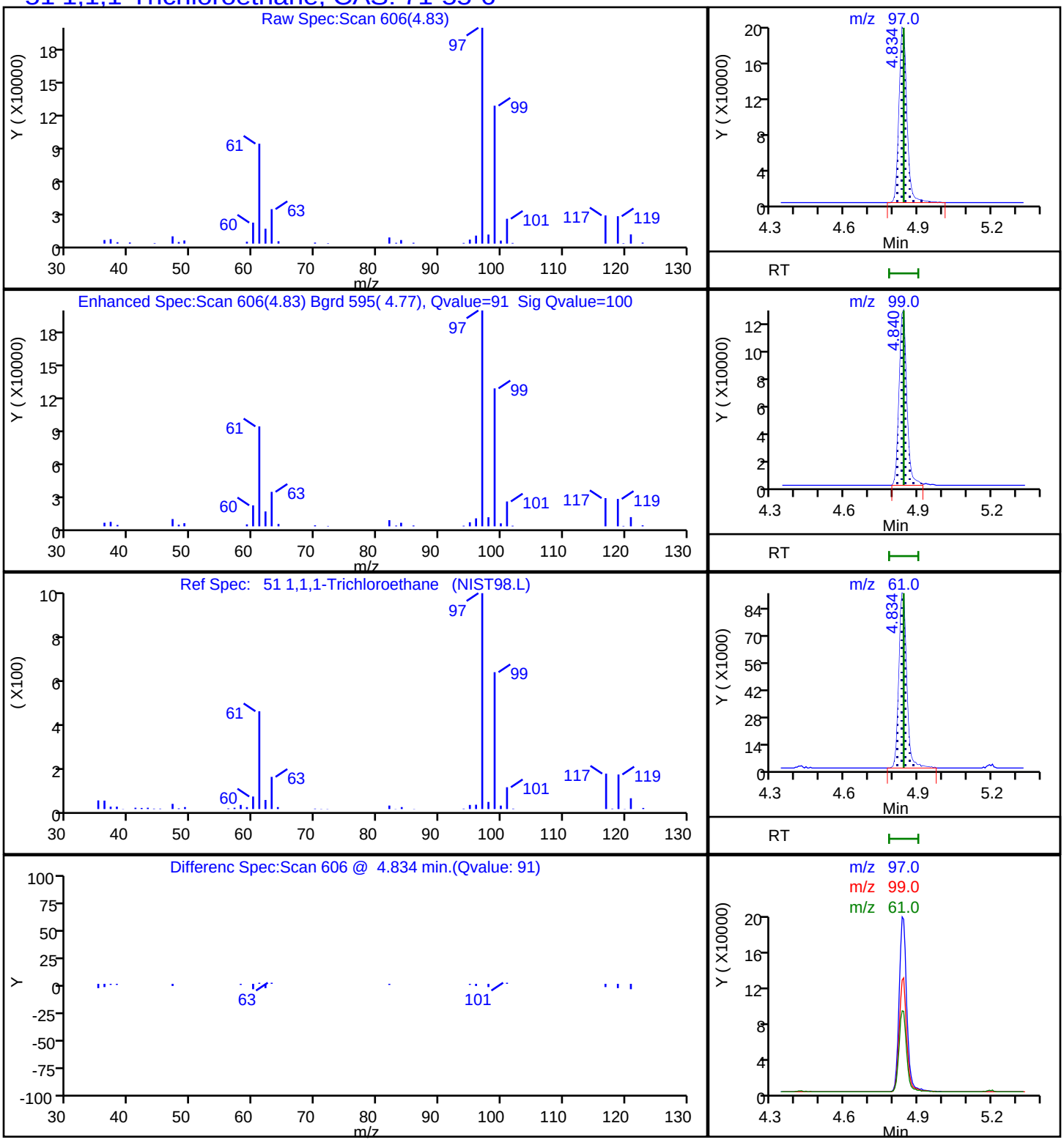
Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4723.D				
Injection Date:	09-May-2019 13:41:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-11	Lab Sample ID:	480-152814-11		
Client ID:	LMW-03-20190430				
Operator ID:	AM	ALS Bottle#:	9	Worklist Smp#:	16
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		

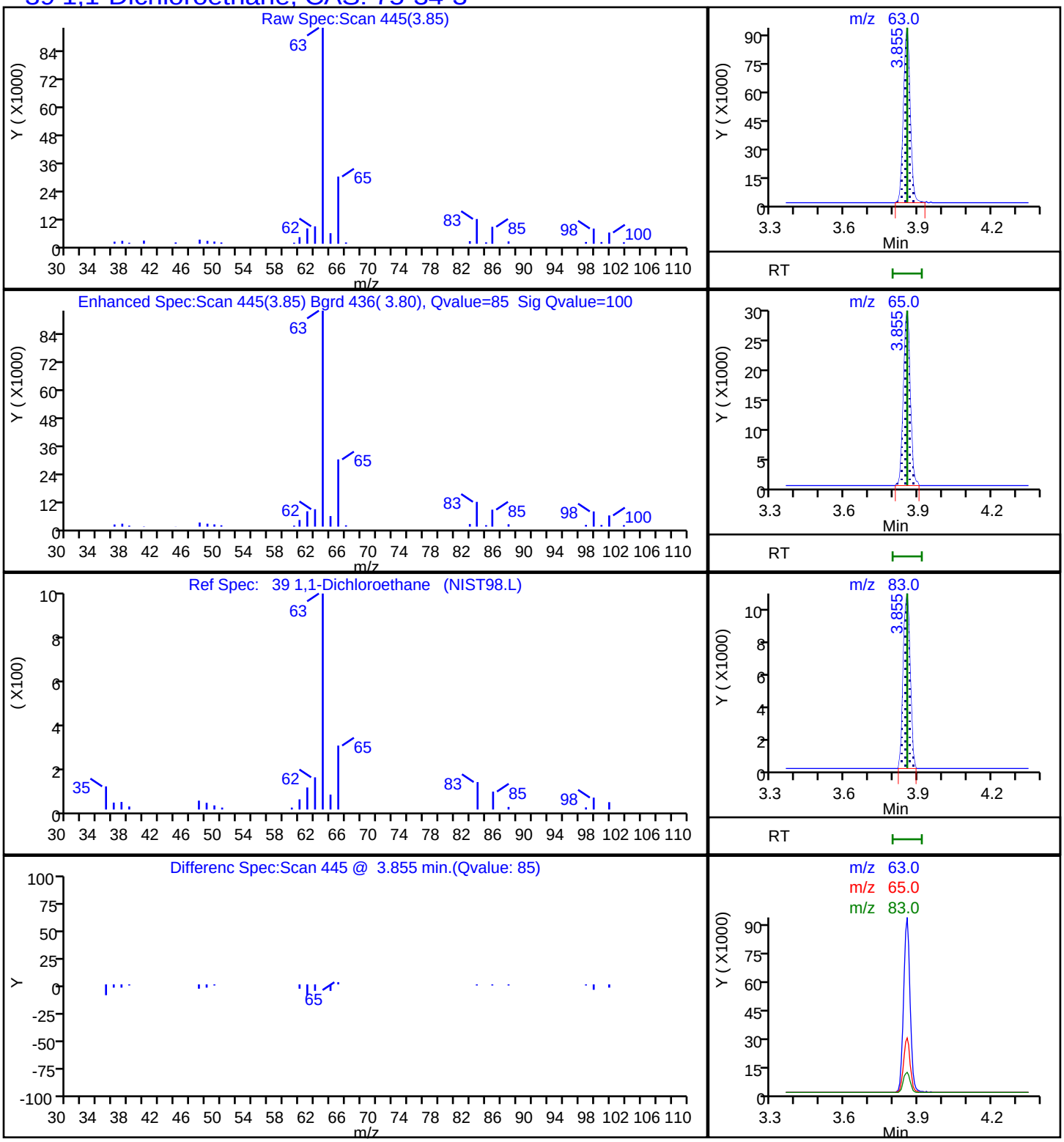
51 1,1,1-Trichloroethane, CAS: 71-55-6



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4723.D				
Injection Date:	09-May-2019 13:41:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-11	Lab Sample ID:	480-152814-11		
Client ID:	LMW-03-20190430				
Operator ID:	AM	ALS Bottle#:	9	Worklist Smp#:	16
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		

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

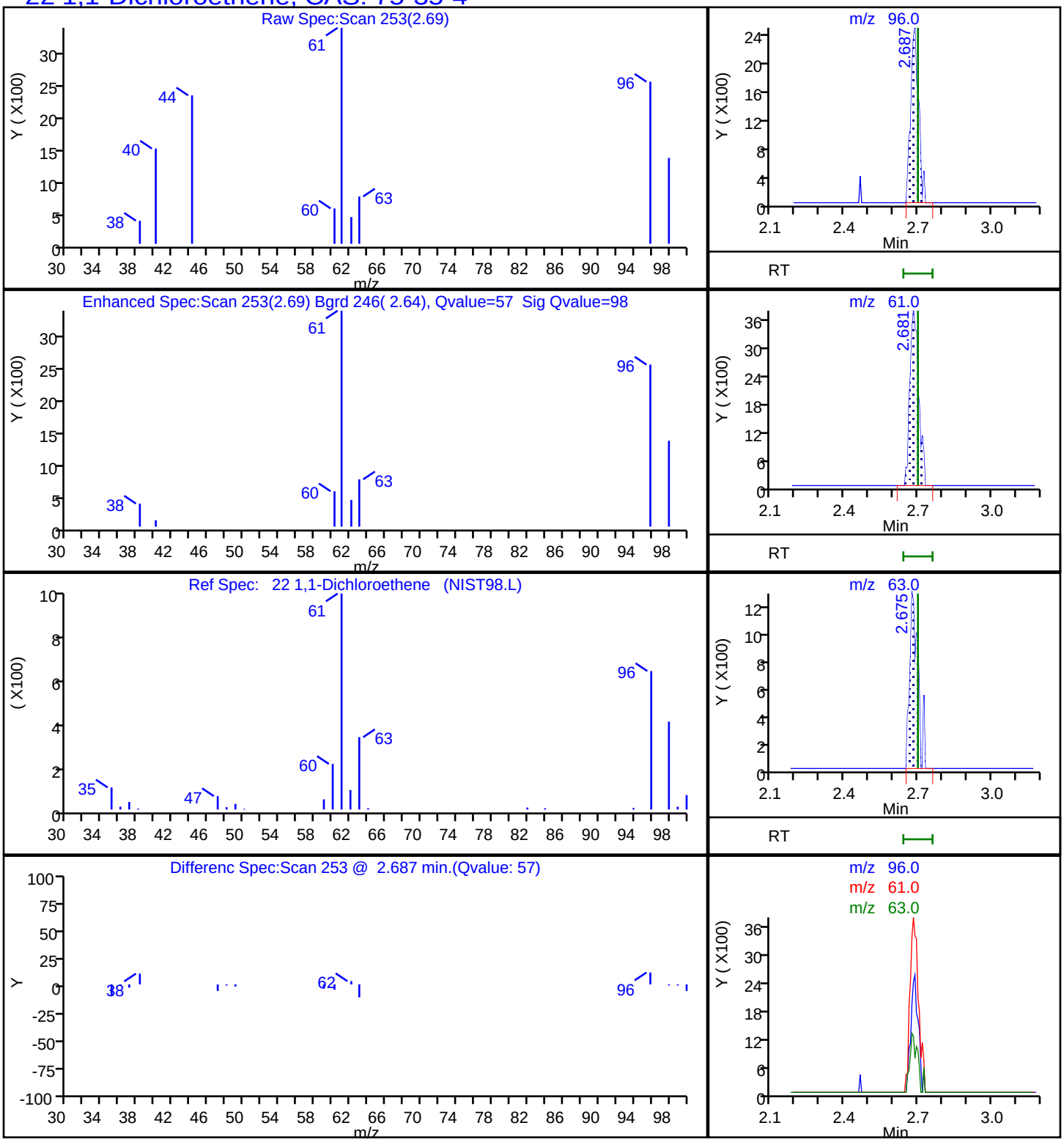


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4723.D

Injection Date:	09-May-2019 13:41:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-11	Lab Sample ID:	480-152814-11		
Client ID:	LMW-03-20190430				
Operator ID:	AM	ALS Bottle#:	9	Worklist Smp#:	16
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		

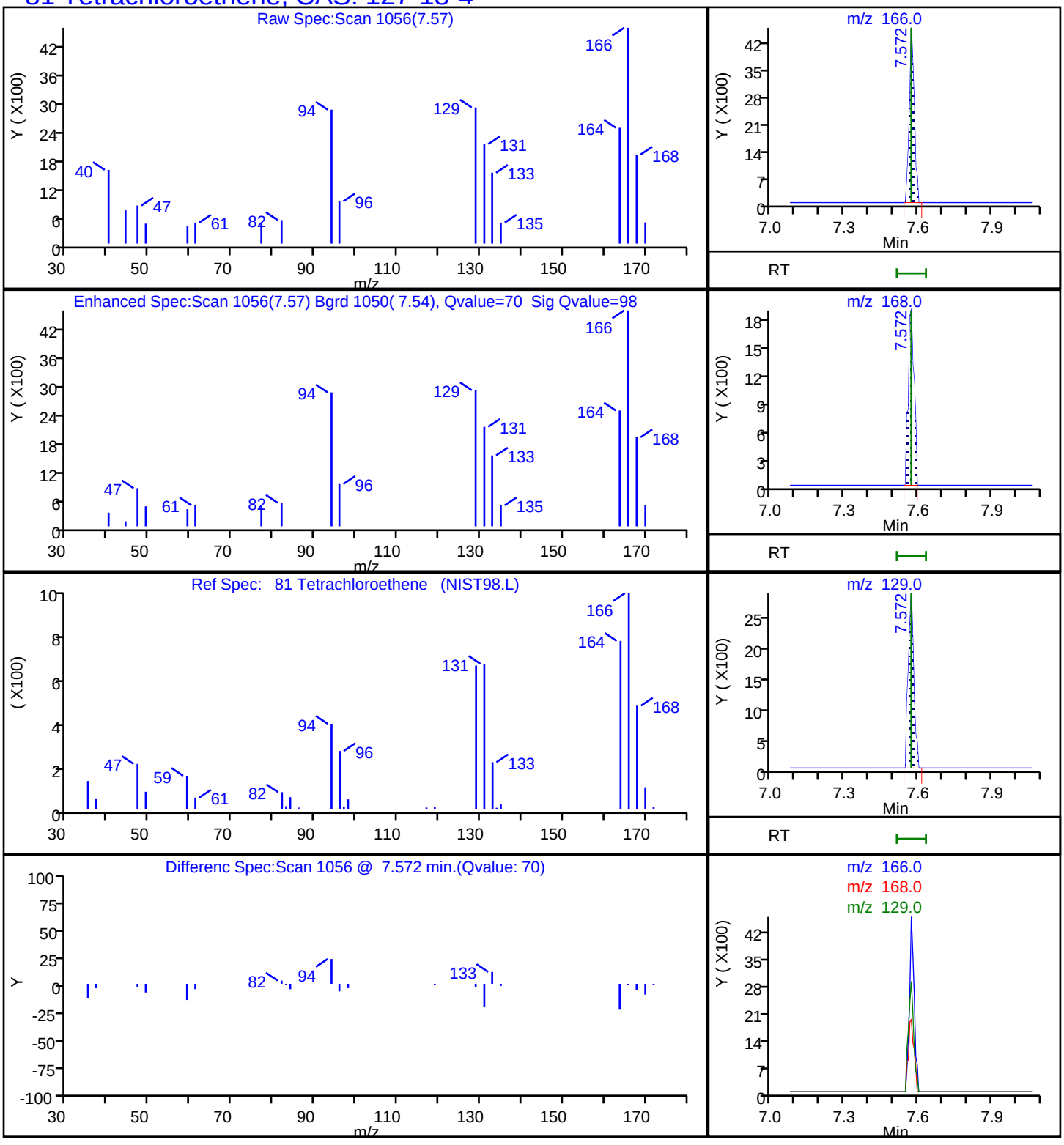
22 1,1-Dichloroethene, CAS: 75-35-4



Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4723.D		
Injection Date:	09-May-2019 13:41:30	Instrument ID:	HP5973S
Lims ID:	480-152814-A-11	Lab Sample ID:	480-152814-11
Client ID:	LMW-03-20190430		
Operator ID:	AM	ALS Bottle#:	9 Worklist Smp#: 16
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



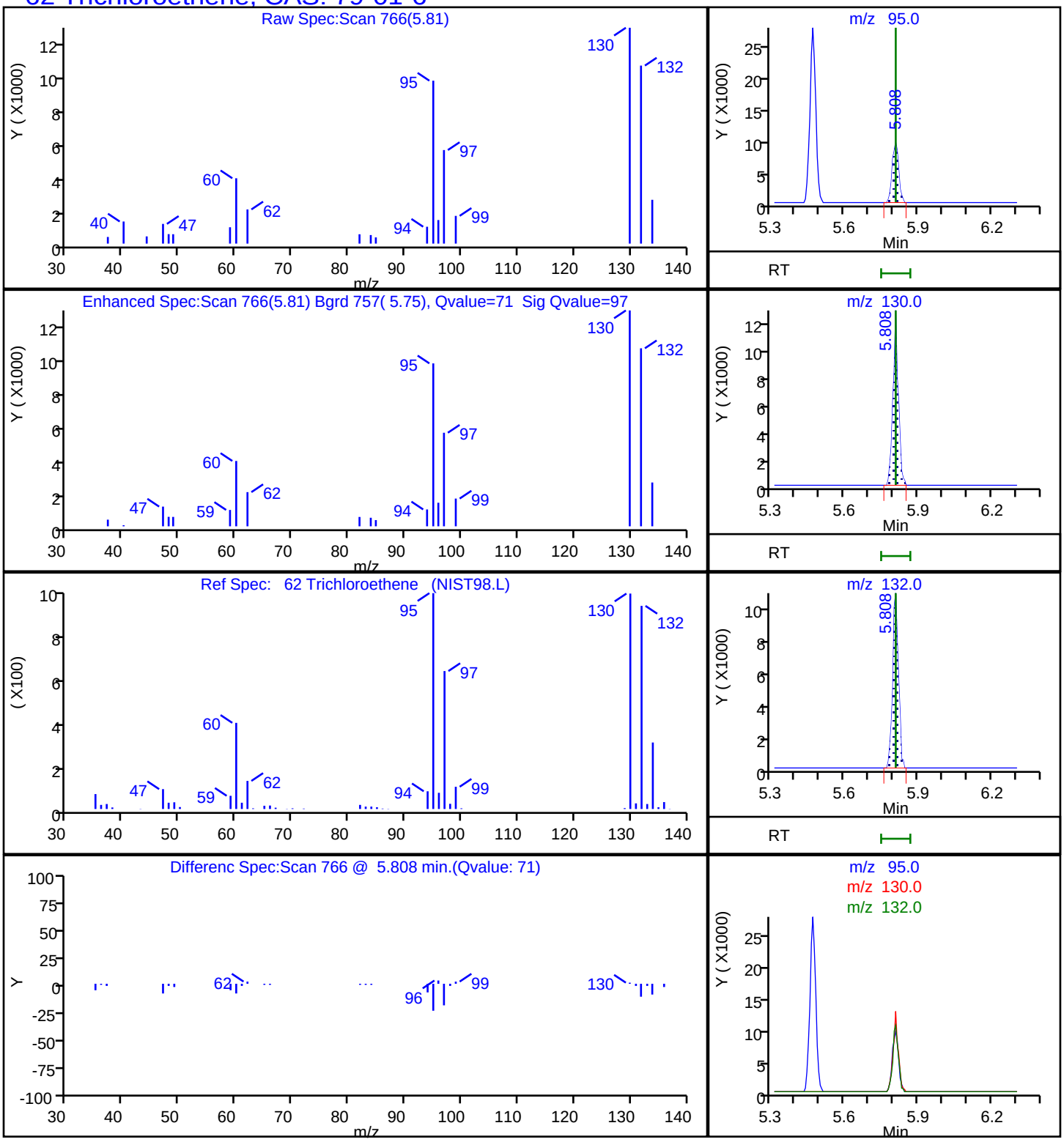
Report Date: 09-May-2019 18:31:25 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4723.D

Injection Date:	09-May-2019 13:41:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-11	Lab Sample ID:	480-152814-11		
Client ID:	LMW-03-20190430				
Operator ID:	AM	ALS Bottle#:	9	Worklist Smp#:	16
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		

62 Trichloroethene, CAS: 79-01-6



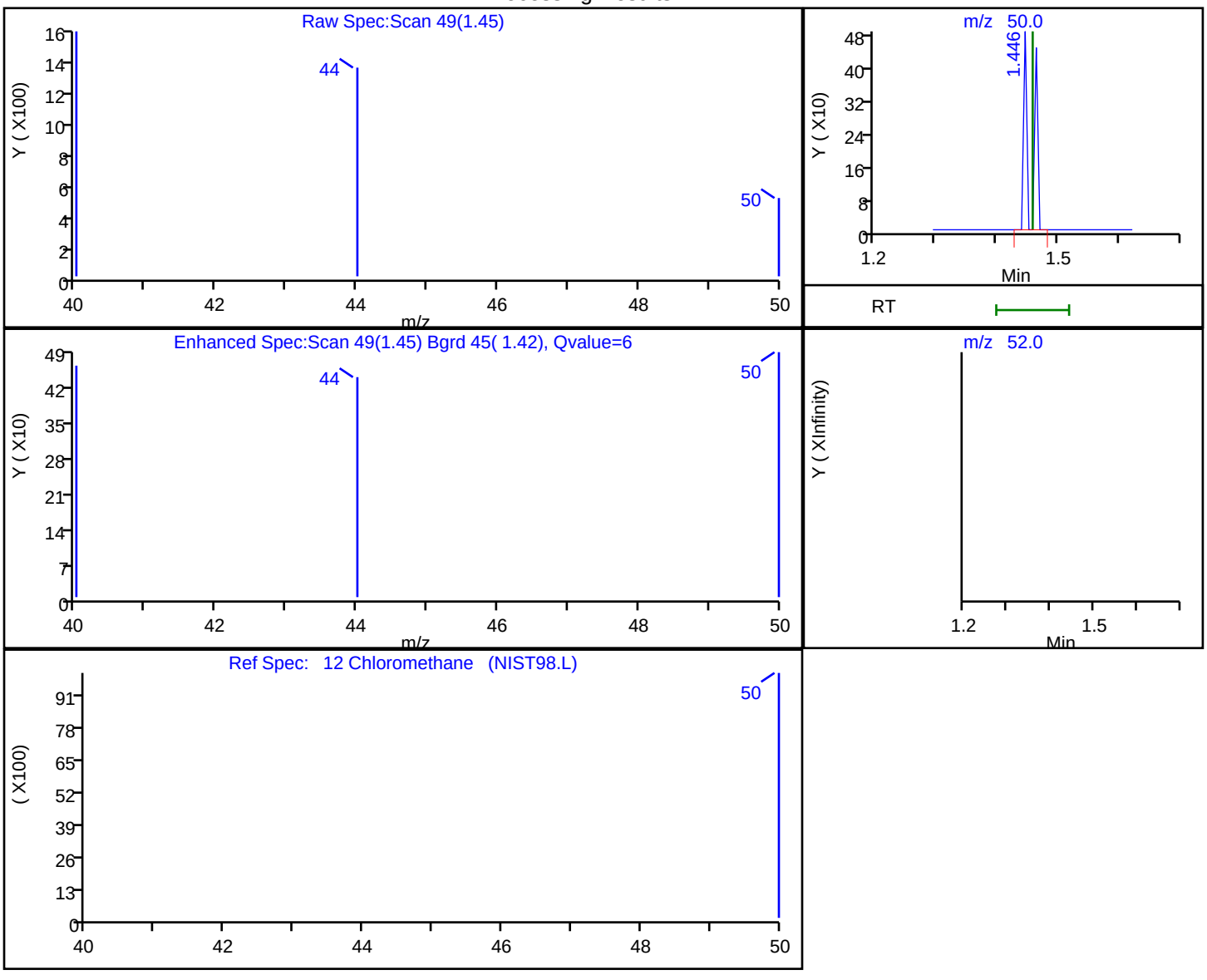
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4723.D				
Injection Date:	09-May-2019 13:41:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-11	Lab Sample ID:	480-152814-11		
Client ID:	LMW-03-20190430				
Operator ID:	AM	ALS Bottle#:	9	Worklist Smp#:	16
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

Processing Results



RT	Mass	Response	Amount
1.45	50.00	343	0.046428
1.46	52.00	0	

Reviewer: milligana, 09-May-2019 18:30:44

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.: 480-152814-1

SDG No.:

Client Sample ID: LMW-02-20190430 Lab Sample ID: 480-152814-12

Matrix: Water Lab File ID: S4724.D

Analysis Method: 8260C Date Collected: 04/30/2019 11:00

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 14:04

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.: 471956 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
79-00-5	1,1,2-Trichloroethane	ND		20	4.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2
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
96-12-8	1,2-Dibromo-3-Chloropropane	ND		20	7.8
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
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
124-48-1	Dibromochloromethane	ND		20	6.4
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
75-71-8	Dichlorodifluoromethane	ND		20	14
100-41-4	Ethylbenzene	ND		20	15
106-93-4	1,2-Dibromoethane	ND		20	15
98-82-8	Isopropylbenzene	ND		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-02-20190430 Lab Sample ID: 480-152814-12

Matrix: Water Lab File ID: S4724.D

Analysis Method: 8260C Date Collected: 04/30/2019 11:00

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 14:04

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.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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
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	ND		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	82		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4724.D
Lims ID: 480-152814-A-12
Client ID: LMW-02-20190430
Sample Type: Client
Inject. Date: 09-May-2019 14:04:30 ALS Bottle#: 10 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 480-152814-A-12
Misc. Info.: 480-0080927-017
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 18:31:59 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: CTX0316

First Level Reviewer: milligana Date: 09-May-2019 18:32:00

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	105455	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	85	221518	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	95	197143	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.883	4.889	-0.006	57	138908	24.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.200	-0.007	91	89461	25.1	
$ 5 Toluene-d8 (Surr)	98	6.982	6.976	0.006	93	533029	24.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	90	139378	20.5	
10 Dichlorodifluoromethane	85		1.276				ND	
12 Chloromethane	50		1.458				ND	
13 Vinyl chloride	62		1.568				ND	
14 Bromomethane	94		1.854				ND	
15 Chloroethane	64		1.957				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		2.699				ND	
23 Acetone	43		2.809				ND	
26 Carbon disulfide	76		2.888				ND	
27 Methyl acetate	43		3.107				ND	
30 Methylene Chloride	84		3.204				ND	
32 Methyl tert-butyl ether	73		3.423				ND	
34 trans-1,2-Dichloroethene	96		3.429				ND	
39 1,1-Dichloroethane	63		3.855				ND	
45 cis-1,2-Dichloroethene	96		4.409				ND	
43 2-Butanone (MEK)	43		4.451				ND	
50 Chloroform	83		4.725				ND	
51 1,1,1-Trichloroethane	97		4.841				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		5.260				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		6.045				ND	
68 Dichlorobromomethane	83		6.343				ND	
72 cis-1,3-Dichloropropene	75		6.757				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.909				ND	
74 Toluene	92		7.043				ND	Ua
77 trans-1,3-Dichloropropene	75		7.329				ND	
79 1,1,2-Trichloroethane	83		7.523				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				ND	
91 o-Xylene	106		9.136				ND	
92 Styrene	104		9.166				ND	
95 Bromoform	173		9.415				ND	
94 Isopropylbenzene	105		9.513				ND	
97 1,1,2,2-Tetrachloroethane	83		9.920				ND	
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		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

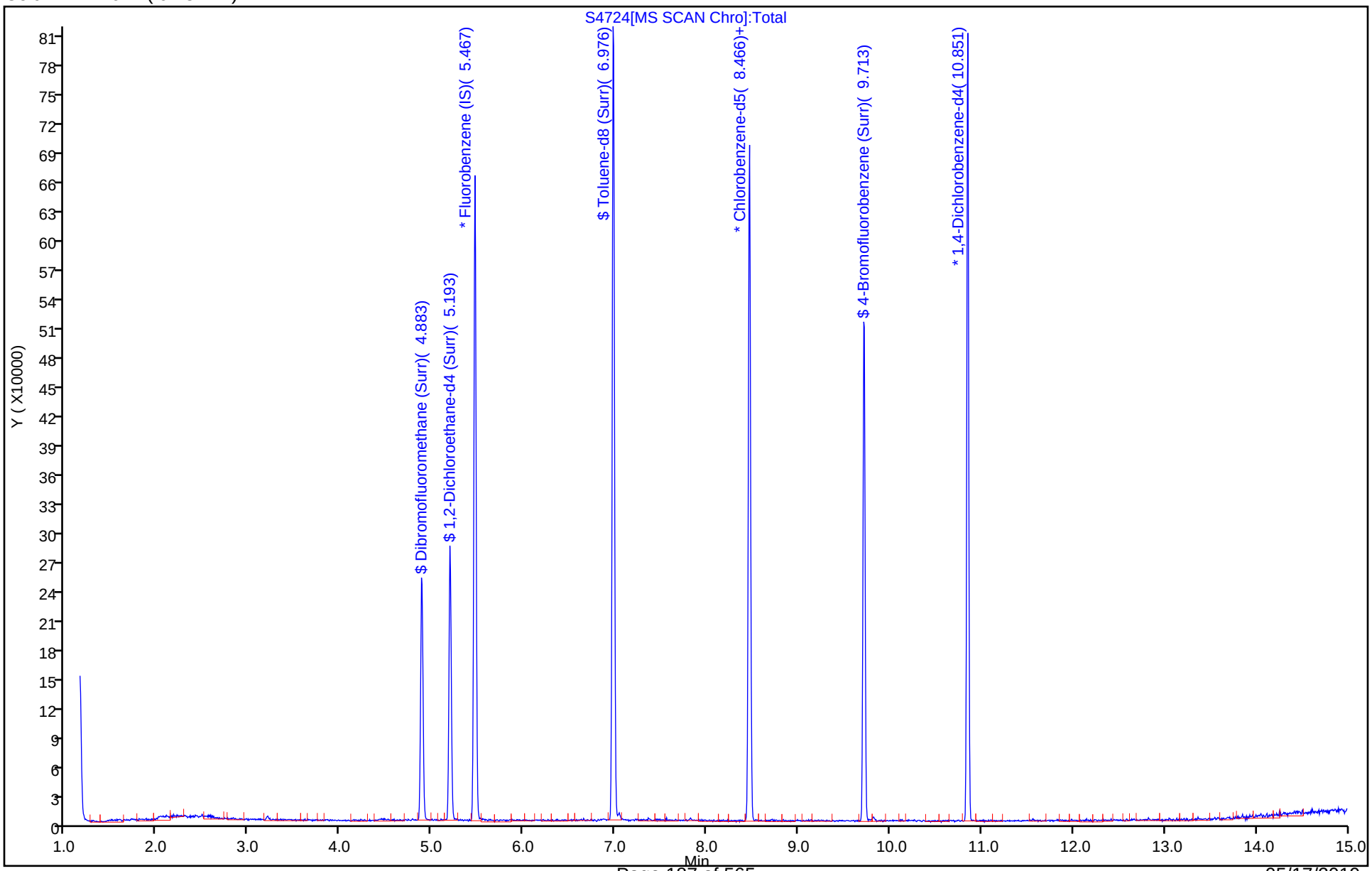
Report Date: 09-May-2019 18:32:00 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4724.D

Injection Date:	09-May-2019 14:04:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-152814-A-12	Lab Sample ID:	480-152814-12	Worklist Smp#:	17
Client ID:	LMW-02-20190430				
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	10
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.: 480-152814-1

SDG No.:

Client Sample ID: LMW-11-20190430 Lab Sample ID: 480-152814-13

Matrix: Water Lab File ID: S4725.D

Analysis Method: 8260C Date Collected: 04/30/2019 11:30

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 14:28

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	2.8		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-00-3	Chloroethane	3.4		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	ND		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-11-20190430 Lab Sample ID: 480-152814-13

Matrix: Water Lab File ID: S4725.D

Analysis Method: 8260C Date Collected: 04/30/2019 11:30

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 14:28

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 471956 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	86		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4725.D
Lims ID: 480-152814-A-13
Client ID: LMW-11-20190430
Sample Type: Client
Inject. Date: 09-May-2019 14:28:30 ALS Bottle#: 11 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 480-152814-A-13
Misc. Info.: 480-0080927-018
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 18:33:12 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: CTX0316

First Level Reviewer: milligana Date: 09-May-2019 18:33:14

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	104453	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	84	229636	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	94	213549	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.883	4.889	-0.006	56	140388	24.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.200	5.200	0.000	97	89919	25.5	
$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	92	531344	23.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	89	151366	21.5	
10 Dichlorodifluoromethane	85		1.276				ND	
12 Chloromethane	50		1.458				ND	U
13 Vinyl chloride	62		1.568				ND	
14 Bromomethane	94		1.854				ND	
15 Chloroethane	64	1.951	1.951	-0.006	44	7988	1.68	Ma
17 Trichlorofluoromethane	101		2.170				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.675				ND	
22 1,1-Dichloroethene	96		2.699				ND	
23 Acetone	43	2.803	2.803	-0.006	69	4246	1.52	a
26 Carbon disulfide	76		2.888				ND	
27 Methyl acetate	43		3.107				ND	
30 Methylene Chloride	84		3.204				ND	
32 Methyl tert-butyl ether	73		3.423				ND	
34 trans-1,2-Dichloroethene	96		3.429				ND	
39 1,1-Dichloroethane	63	3.861	3.855	0.006	33	16000	1.42	
45 cis-1,2-Dichloroethene	96	4.421	4.421	0.012	17	2690	0.3809	a
43 2-Butanone (MEK)	43		4.451				ND	
50 Chloroform	83		4.725				ND	
51 1,1,1-Trichloroethane	97		4.841				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		5.260				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		6.045				ND	
68 Dichlorobromomethane	83		6.343				ND	
72 cis-1,3-Dichloropropene	75		6.757				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.909				ND	
74 Toluene	92	7.043	7.043	0.000	43	2919	0.1816	a
77 trans-1,3-Dichloropropene	75		7.329				ND	
79 1,1,2-Trichloroethane	83		7.523				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				ND	
91 o-Xylene	106		9.136				ND	
92 Styrene	104		9.166				ND	
95 Bromoform	173		9.415				ND	
94 Isopropylbenzene	105		9.513				ND	
97 1,1,2,2-Tetrachloroethane	83		9.920				ND	
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		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

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

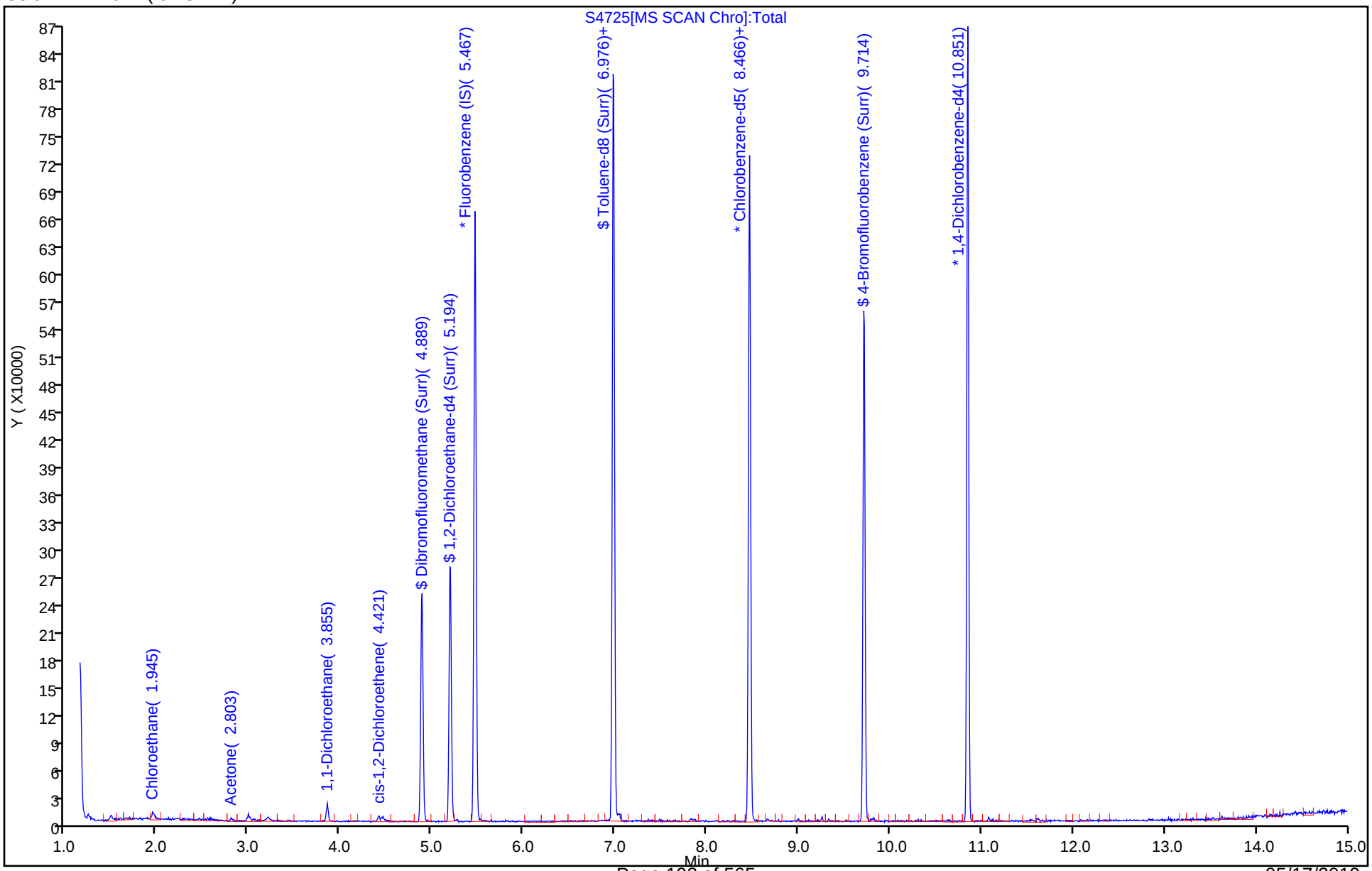
Report Date: 09-May-2019 18:33:14 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4725.D

Injection Date:	09-May-2019 14:28:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-152814-A-13	Lab Sample ID:	480-152814-13	Worklist Smp#:	18
Client ID:	LMW-11-20190430				
Purge Vol:	5.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	11
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

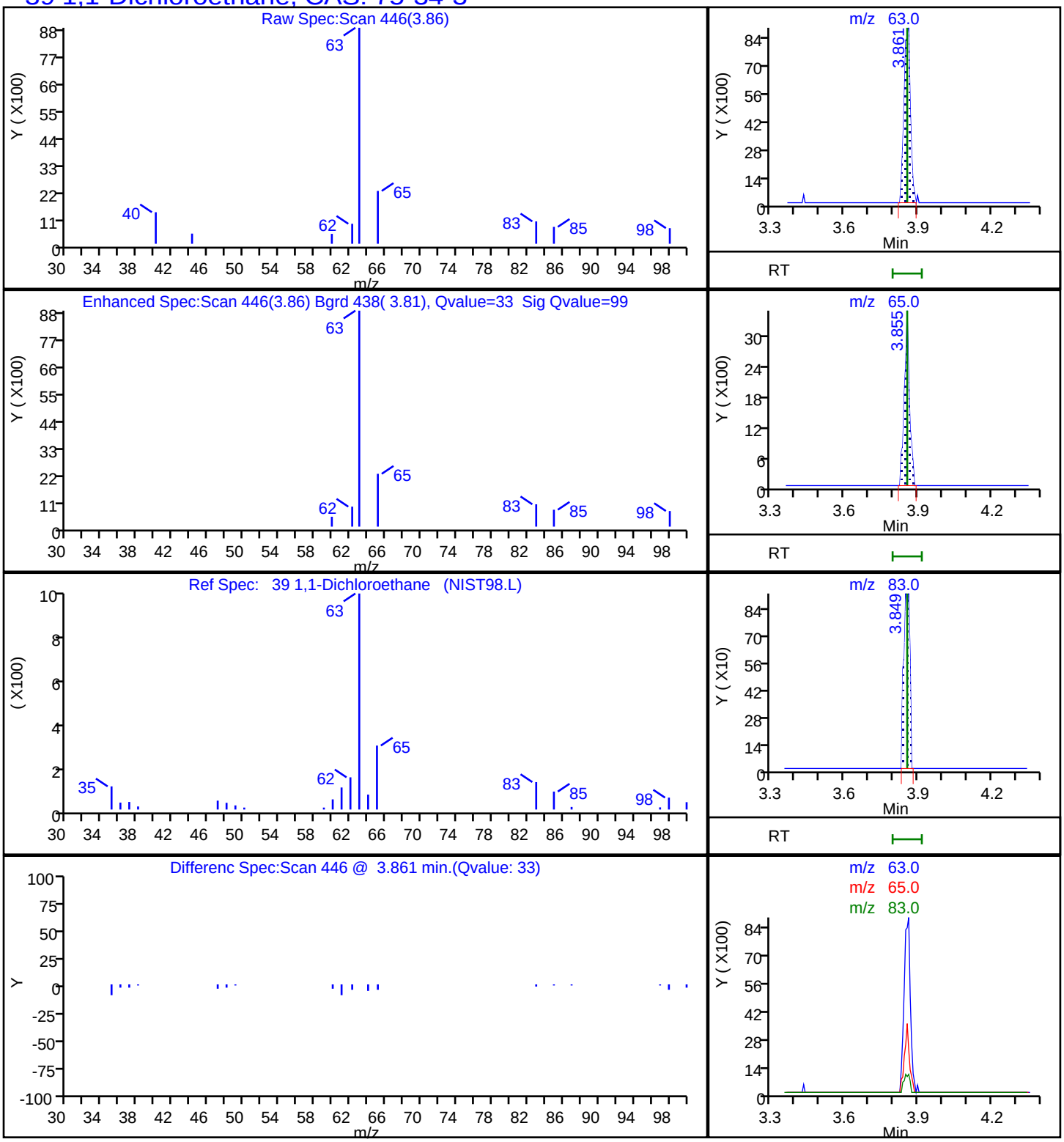


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4725.D

Injection Date:	09-May-2019 14:28:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-13	Lab Sample ID:	480-152814-13		
Client ID:	LMW-11-20190430				
Operator ID:	AM	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

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

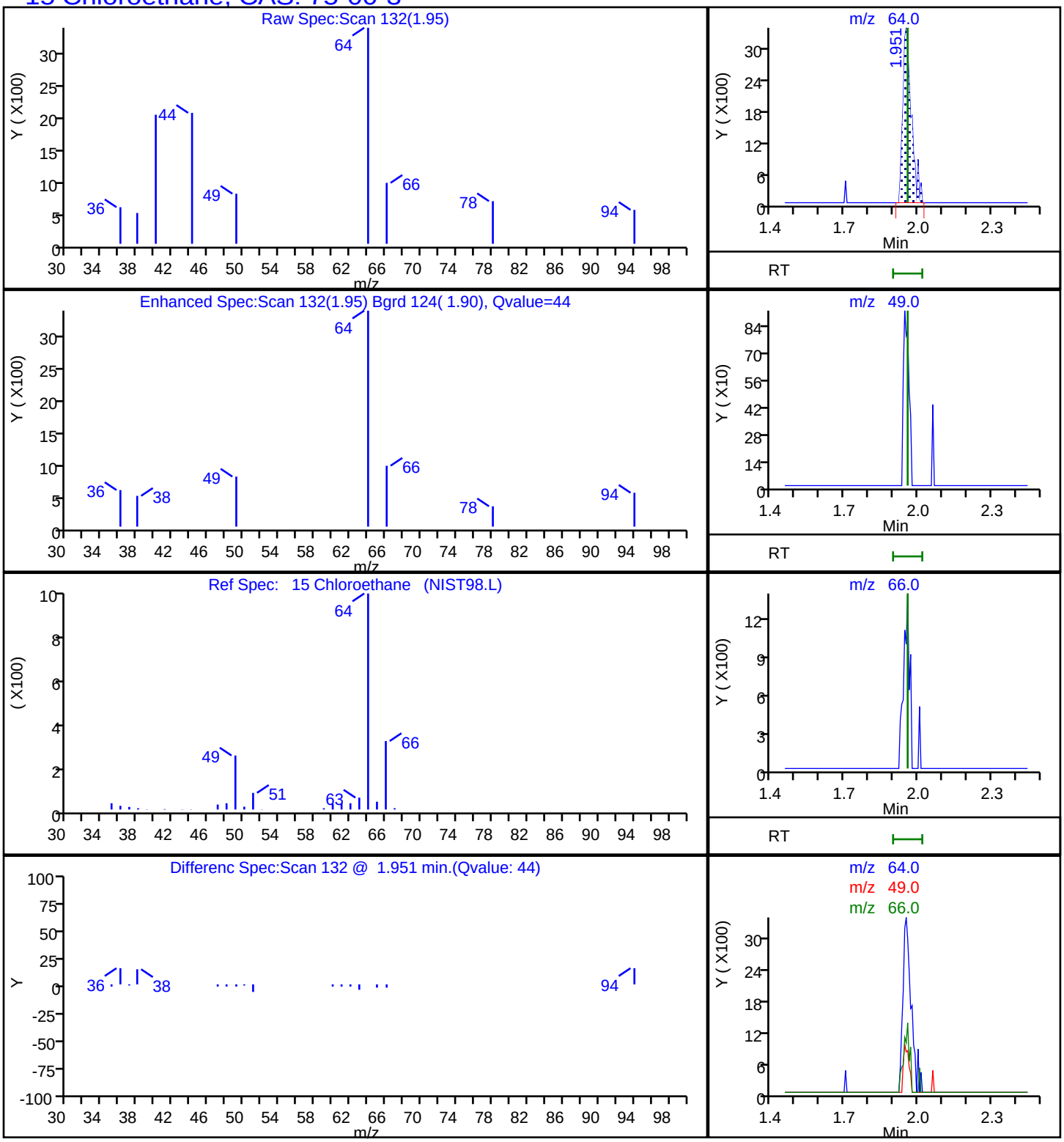


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4725.D

Injection Date:	09-May-2019 14:28:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-13	Lab Sample ID:	480-152814-13		
Client ID:	LMW-11-20190430				
Operator ID:	AM	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

15 Chloroethane, CAS: 75-00-3



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

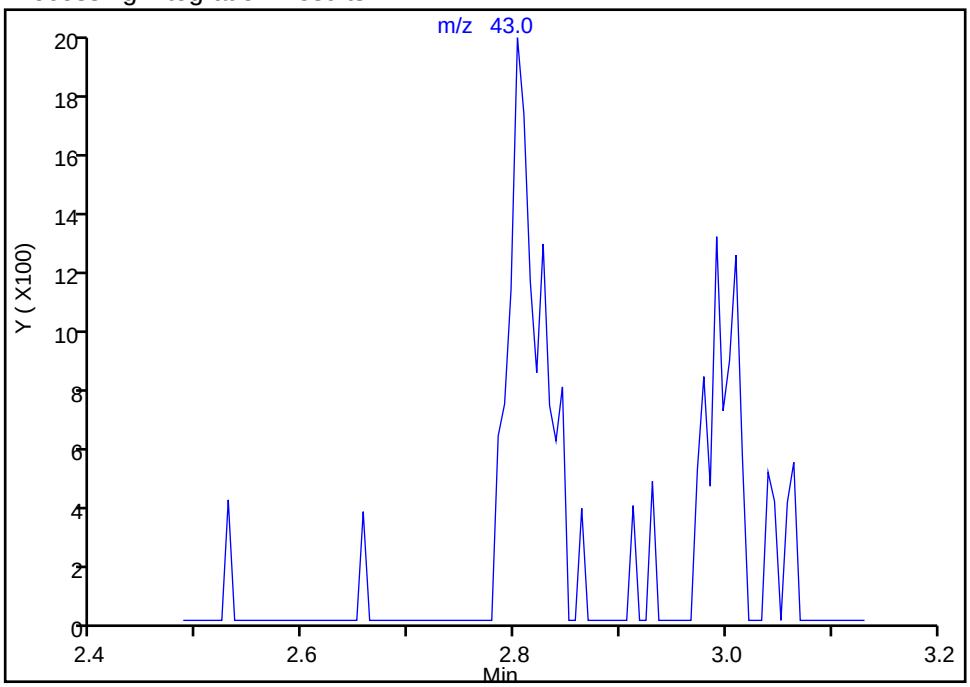
Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4725.D				
Injection Date:	09-May-2019 14:28:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-13	Lab Sample ID:	480-152814-13		
Client ID:	LMW-11-20190430				
Operator ID:	AM	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
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

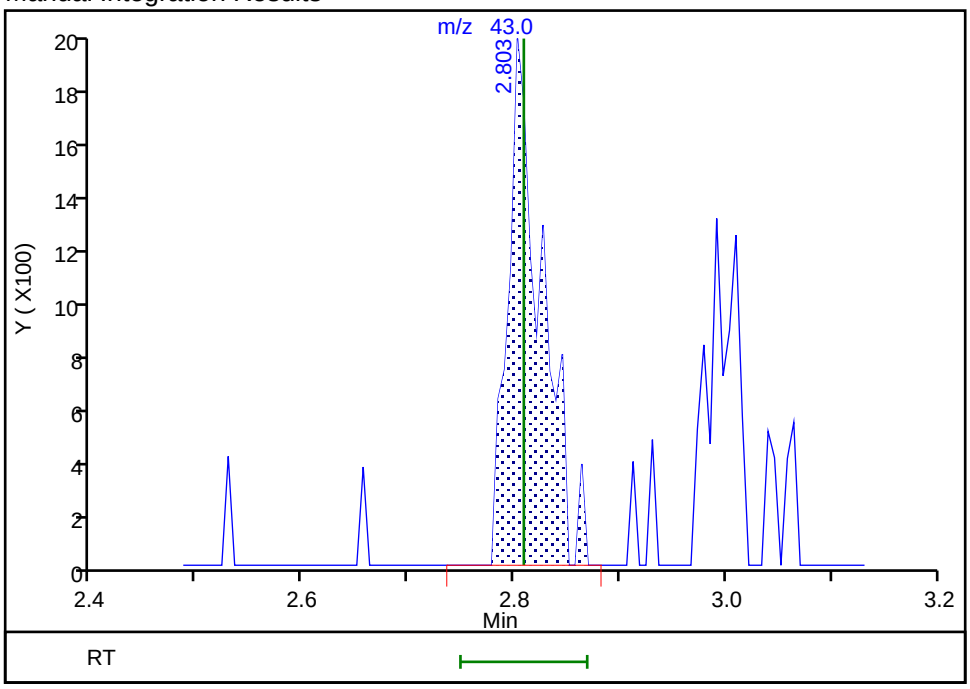
Not Detected
Expected RT: 2.81

Processing Integration Results



Manual Integration Results

RT: 2.80
Area: 4246
Amount: 1.523164
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 18:32:40
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

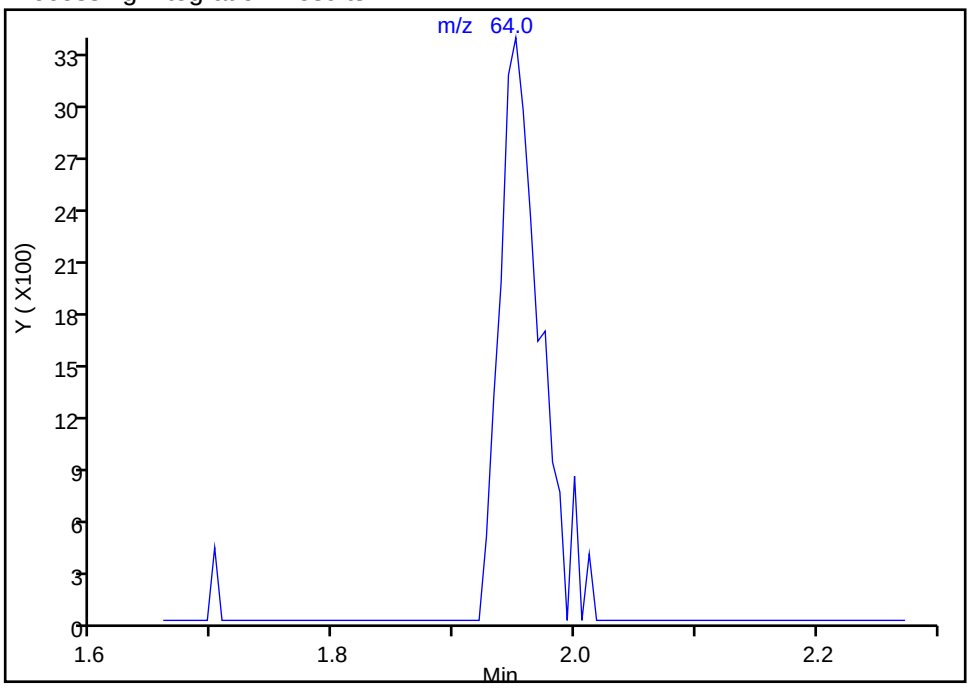
Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4725.D				
Injection Date:	09-May-2019 14:28:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-13	Lab Sample ID:	480-152814-13		
Client ID:	LMW-11-20190430				
Operator ID:	AM	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

15 Chloroethane, CAS: 75-00-3

Signal: 1

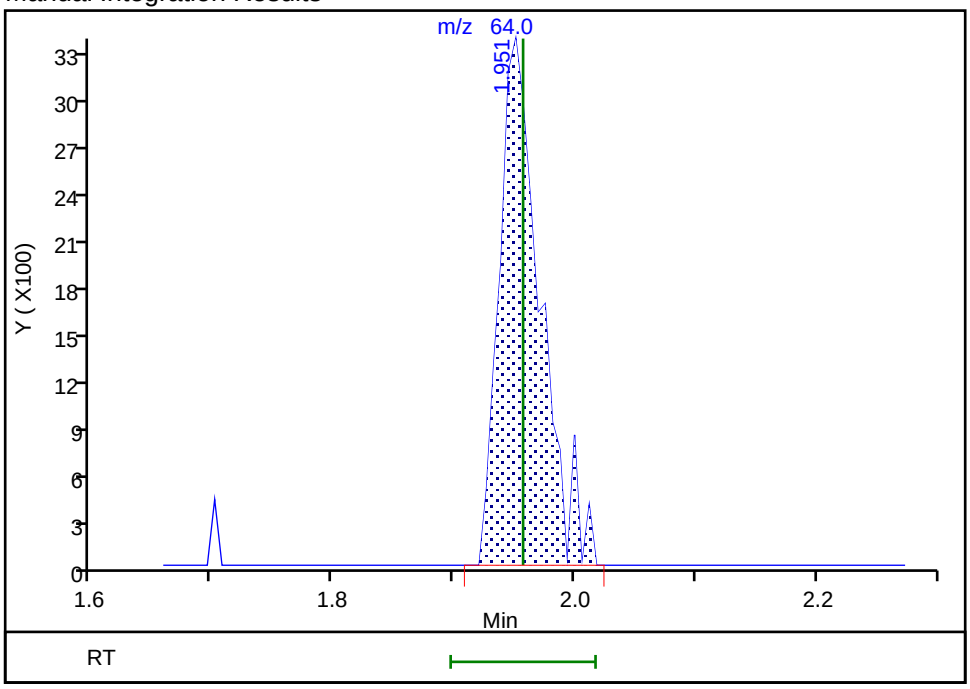
Not Detected
Expected RT: 1.96

Processing Integration Results



Manual Integration Results

RT: 1.95
Area: 7988
Amount: 1.679035
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 18:32:26
Audit Action: Manually Integrated Audit Reason: Assign Peak

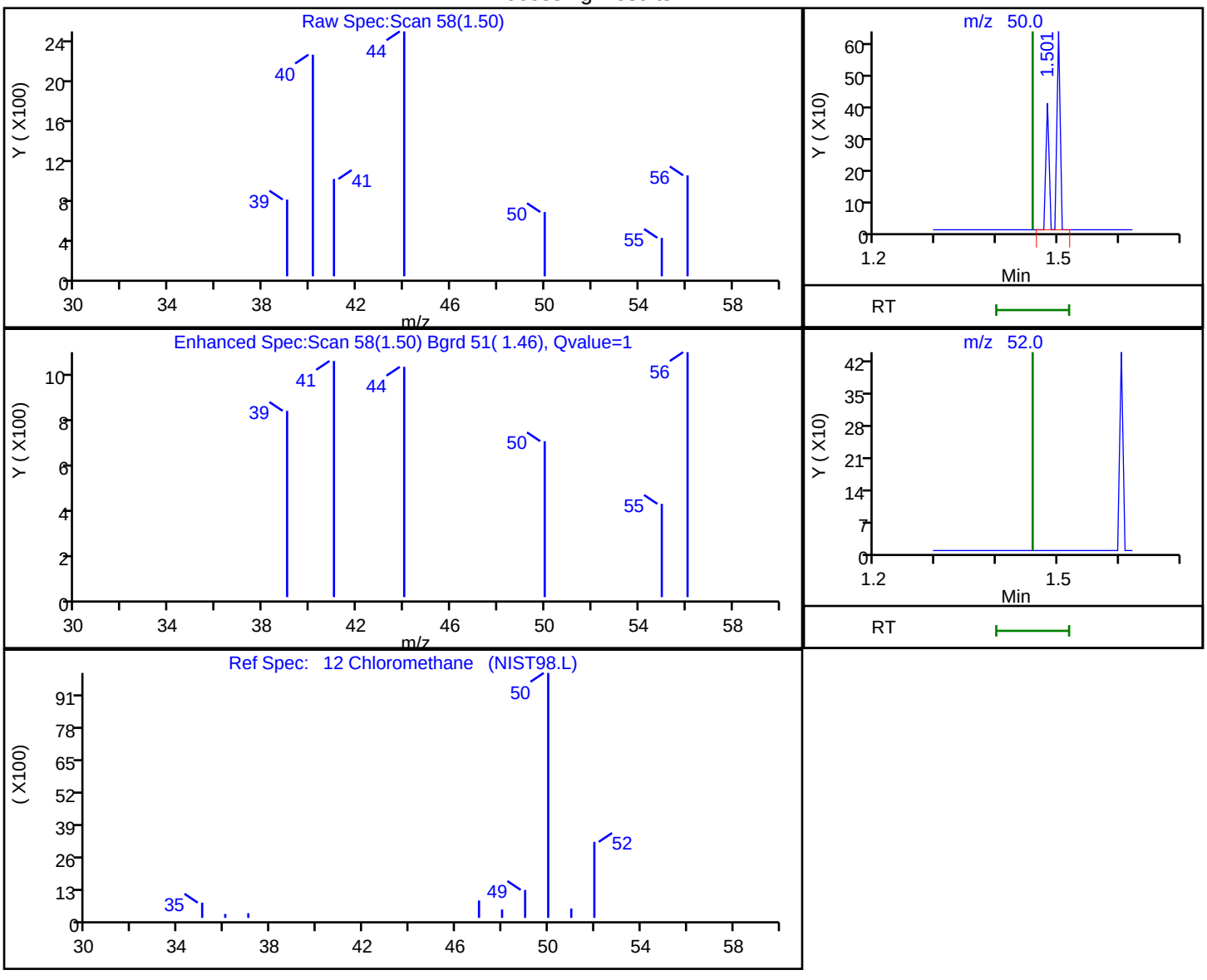
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4725.D				
Injection Date:	09-May-2019 14:28:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-13	Lab Sample ID:	480-152814-13		
Client ID:	LMW-11-20190430				
Operator ID:	AM	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.50	50.00	381	0.050402
1.46	52.00	0	

Reviewer: milligana, 09-May-2019 18:32:13

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

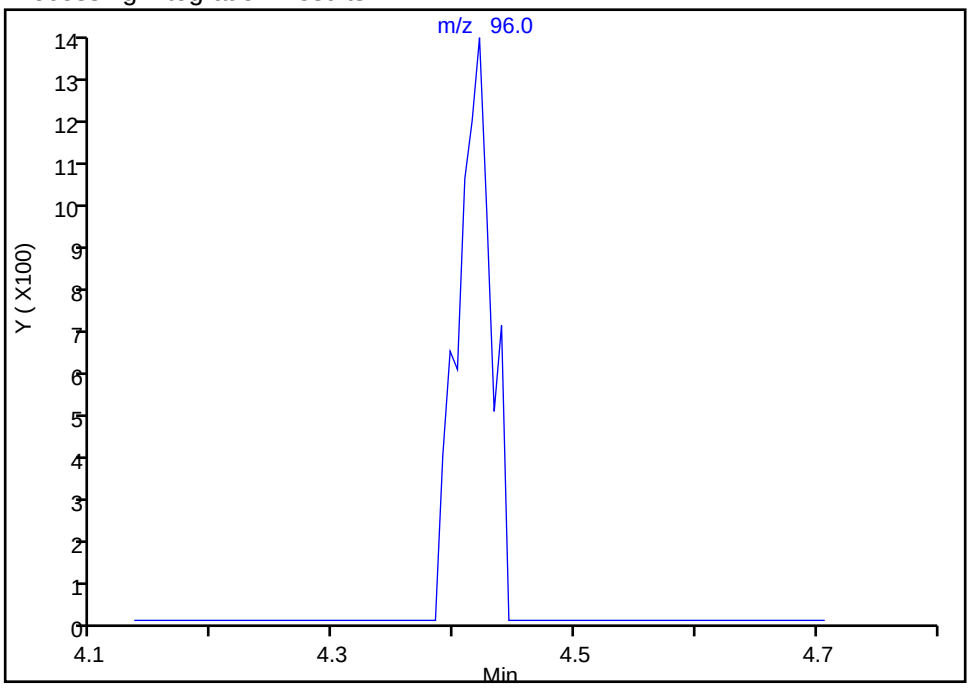
Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4725.D				
Injection Date:	09-May-2019 14:28:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-13	Lab Sample ID:	480-152814-13		
Client ID:	LMW-11-20190430				
Operator ID:	AM	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

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

Signal: 1

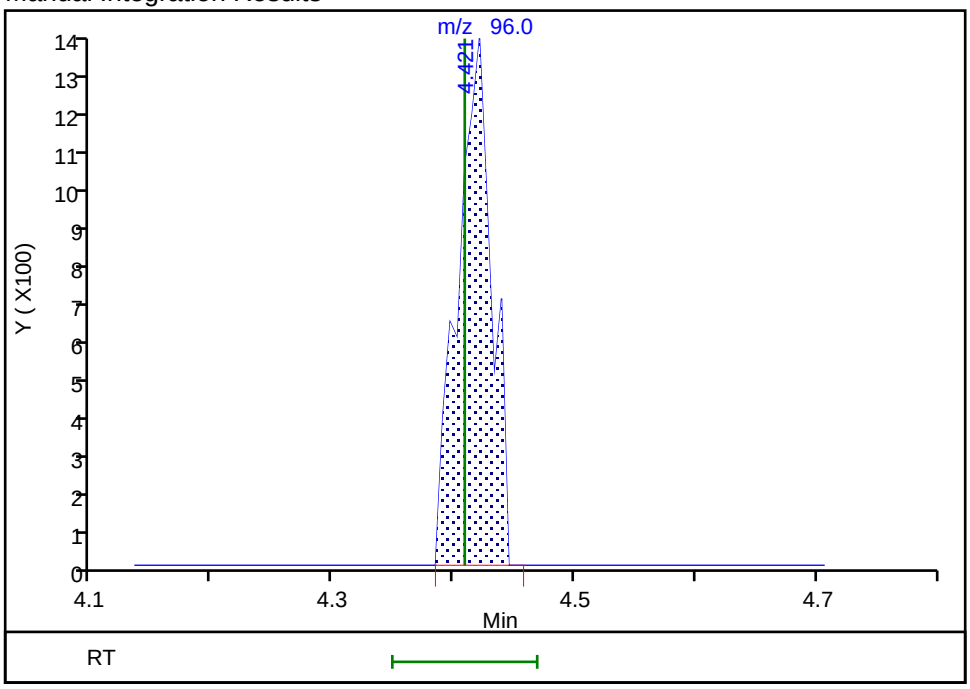
Not Detected
Expected RT: 4.41

Processing Integration Results



Manual Integration Results

RT: 4.42
Area: 2690
Amount: 0.380855
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 18:32:53
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

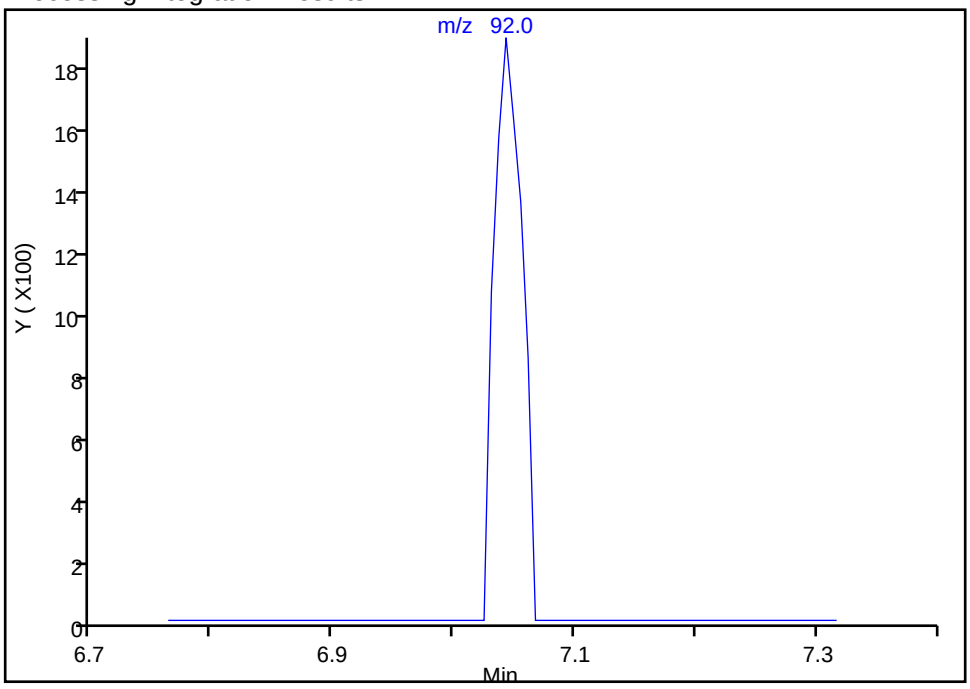
Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4725.D				
Injection Date:	09-May-2019 14:28:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-13	Lab Sample ID:	480-152814-13		
Client ID:	LMW-11-20190430				
Operator ID:	AM	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

74 Toluene, CAS: 108-88-3

Signal: 1

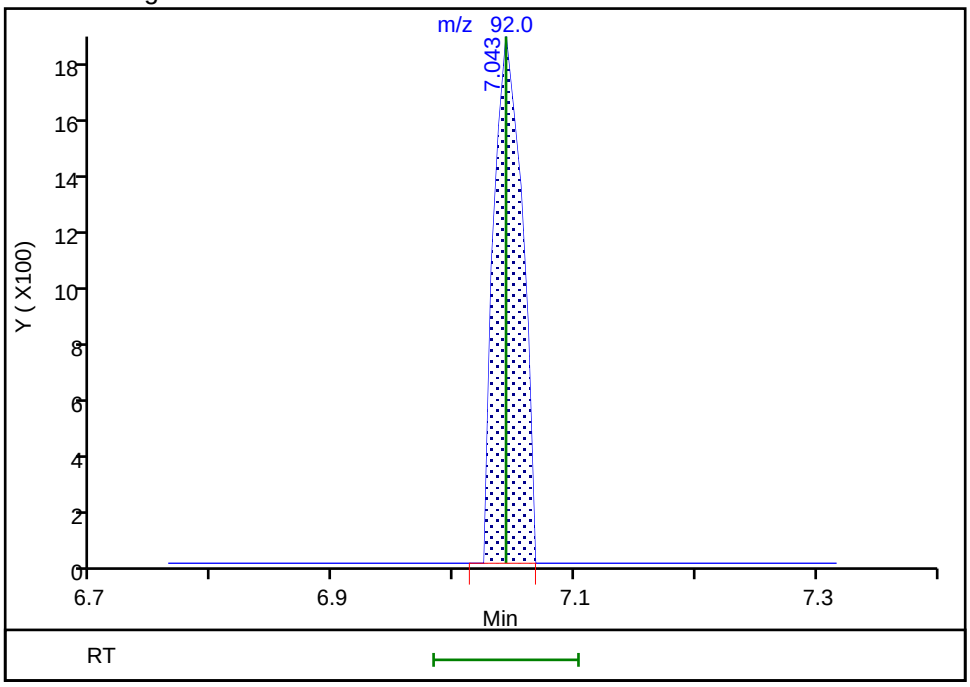
Not Detected
Expected RT: 7.04

Processing Integration Results



Manual Integration Results

RT: 7.04
Area: 2919
Amount: 0.181555
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 18:33:02
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-12-20190430 Lab Sample ID: 480-152814-14

Matrix: Water Lab File ID: S4726.D

Analysis Method: 8260C Date Collected: 04/30/2019 12:00

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 14:51

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	3.0		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	ND		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-12-20190430 Lab Sample ID: 480-152814-14

Matrix: Water Lab File ID: S4726.D

Analysis Method: 8260C Date Collected: 04/30/2019 12:00

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 14:51

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 471956 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4726.D
Lims ID: 480-152814-A-14
Client ID: LMW-12-20190430
Sample Type: Client
Inject. Date: 09-May-2019 14:51:30 ALS Bottle#: 12 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 480-152814-A-14
Misc. Info.: 480-0080927-019
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 18:33:49 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: CTX0316

First Level Reviewer: milligana Date: 09-May-2019 18:33:50

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	106828	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	86	224971	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	94	211061	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.889	4.889	0.000	55	139076	23.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.200	5.200	0.000	92	91869	25.5	
$ 5 Toluene-d8 (Surr)	98	6.982	6.976	0.006	93	525978	23.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	87	153158	22.2	
10 Dichlorodifluoromethane	85		1.276				ND	
12 Chloromethane	50		1.458				ND	
13 Vinyl chloride	62		1.568				ND	
14 Bromomethane	94		1.854				ND	
15 Chloroethane	64		1.957				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		2.699				ND	
23 Acetone	43	2.803	2.803	-0.006	76	4518	1.58	a
26 Carbon disulfide	76		2.888				ND	
27 Methyl acetate	43		3.107				ND	
30 Methylene Chloride	84		3.204				ND	
32 Methyl tert-butyl ether	73		3.423				ND	
34 trans-1,2-Dichloroethene	96		3.429				ND	
39 1,1-Dichloroethane	63	3.855	3.855	0.000	50	17344	1.50	
45 cis-1,2-Dichloroethene	96		4.409				ND	Ua
43 2-Butanone (MEK)	43		4.451				ND	
50 Chloroform	83		4.725				ND	
51 1,1,1-Trichloroethane	97		4.841				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		5.260				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		6.045				ND	
68 Dichlorobromomethane	83		6.343				ND	
72 cis-1,3-Dichloropropene	75		6.757				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.909				ND	
74 Toluene	92		7.043				ND	
77 trans-1,3-Dichloropropene	75		7.329				ND	
79 1,1,2-Trichloroethane	83		7.523				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				ND	
91 o-Xylene	106		9.136				ND	
92 Styrene	104		9.166				ND	
95 Bromoform	173		9.415				ND	
94 Isopropylbenzene	105		9.513				ND	
97 1,1,2,2-Tetrachloroethane	83		9.920				ND	
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		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

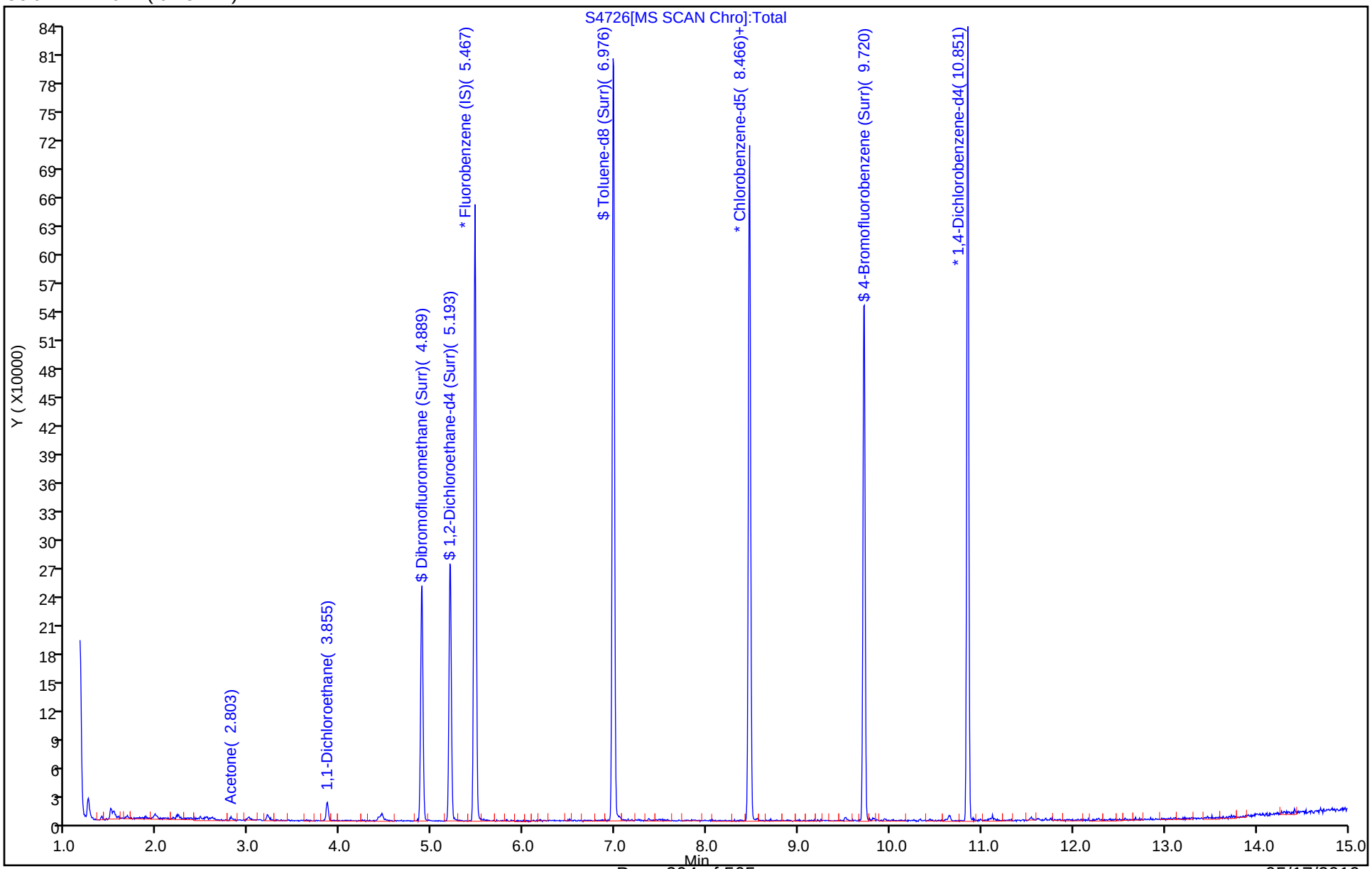
Report Date: 09-May-2019 18:33:51 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4726.D

Injection Date:	09-May-2019 14:51:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-152814-A-14	Lab Sample ID:	480-152814-14	Worklist Smp#:	19
Client ID:	LMW-12-20190430				
Purge Vol:	5.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	12
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



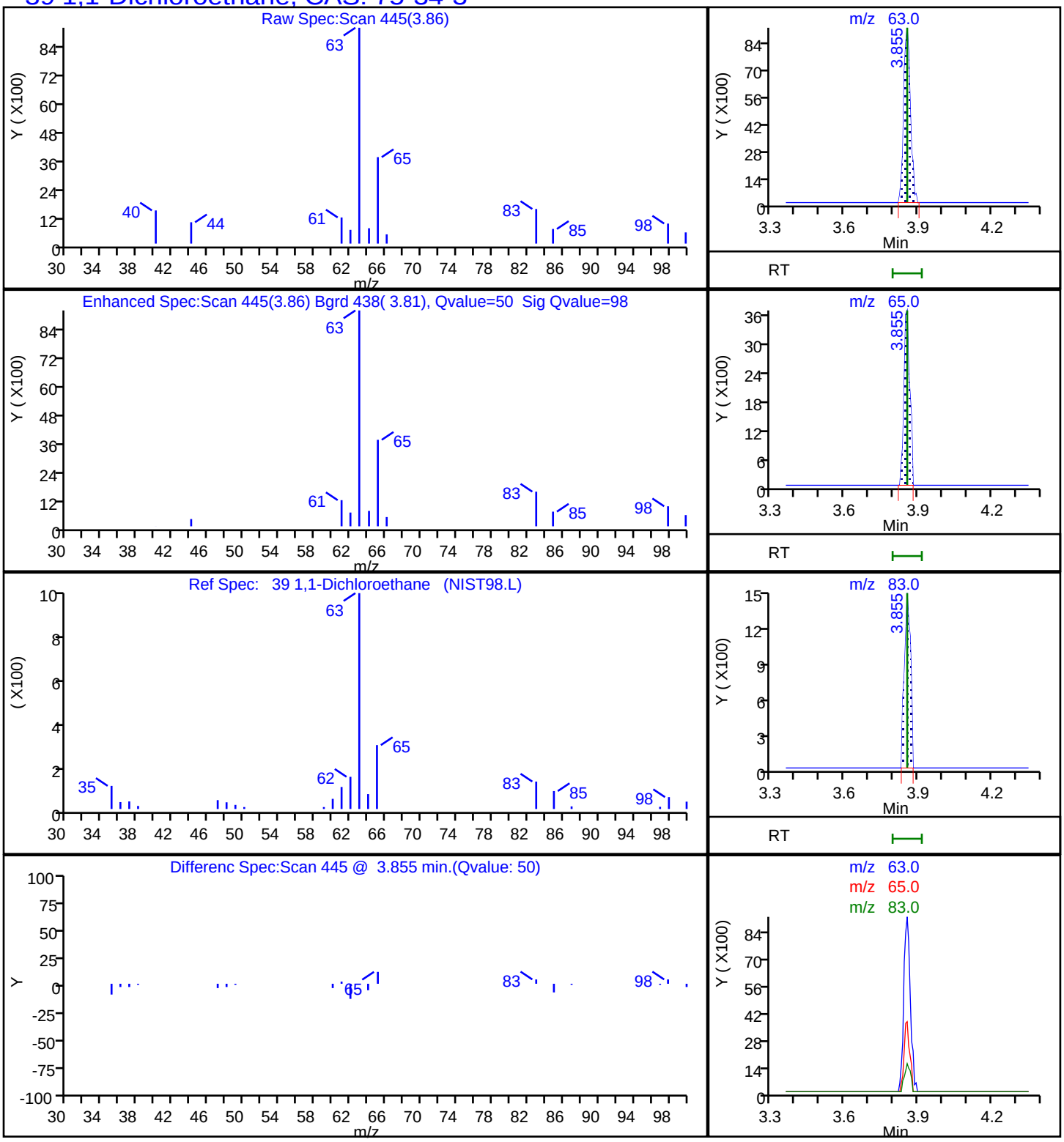
Report Date: 09-May-2019 18:33:51 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4726.D

Injection Date:	09-May-2019 14:51:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-14	Lab Sample ID:	480-152814-14		
Client ID:	LMW-12-20190430				
Operator ID:	AM	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

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



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

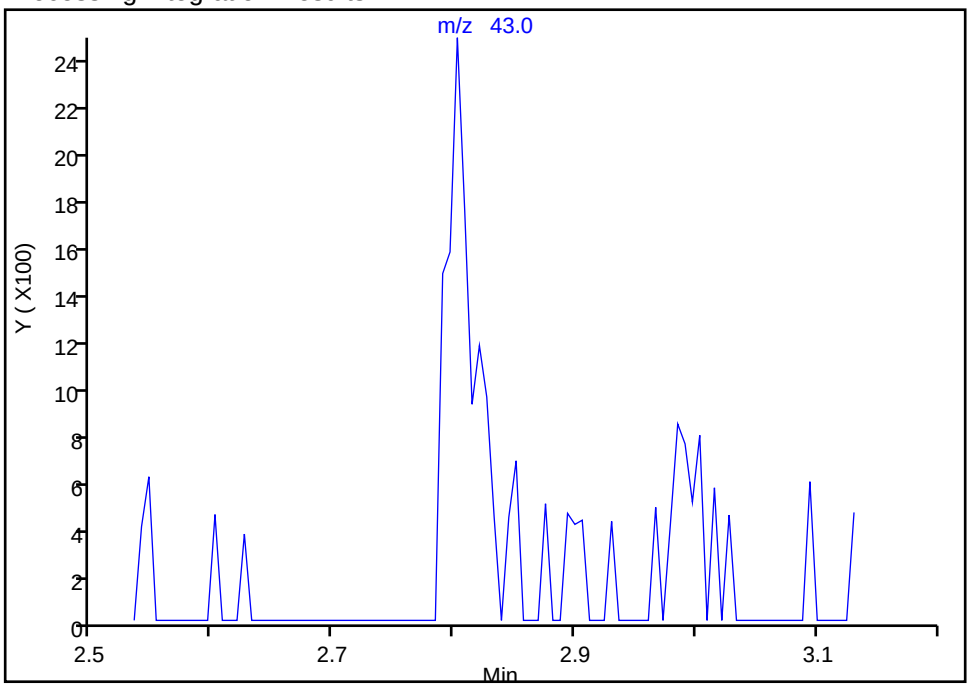
Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4726.D				
Injection Date:	09-May-2019 14:51:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-14	Lab Sample ID:	480-152814-14		
Client ID:	LMW-12-20190430				
Operator ID:	AM	ALS Bottle#:	12	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
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

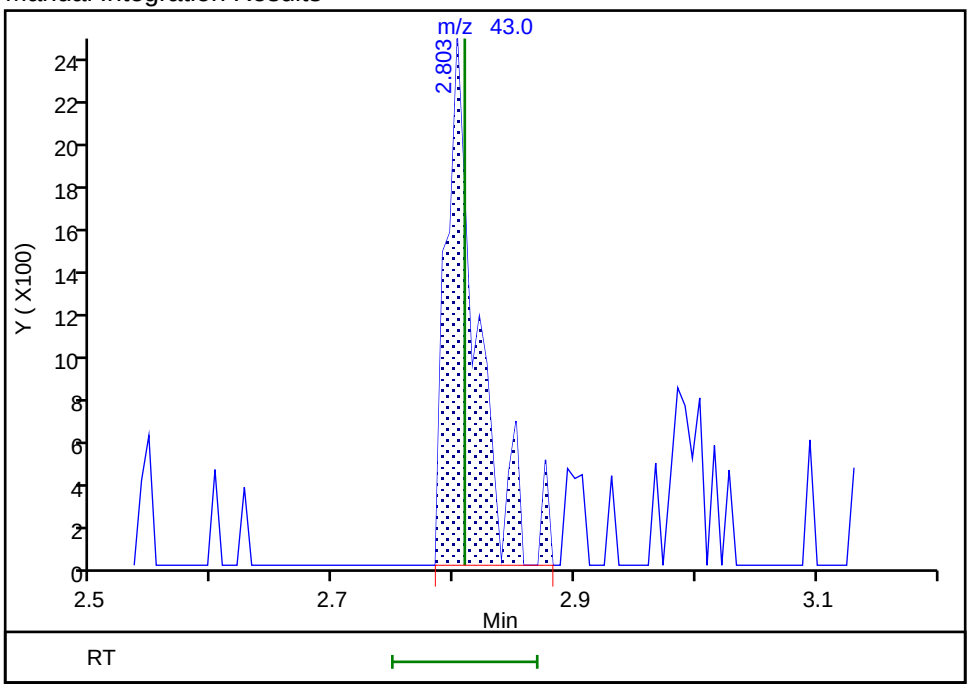
Not Detected
Expected RT: 2.81

Processing Integration Results



Manual Integration Results

RT: 2.80
Area: 4518
Amount: 1.584707
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 18:33:26
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.: 480-152814-1

SDG No.:

Client Sample ID: LMW-01-20190430 Lab Sample ID: 480-152814-15

Matrix: Water Lab File ID: S4727.D

Analysis Method: 8260C Date Collected: 04/30/2019 12:30

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 15:14

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	49		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	5.1		2.0	0.76
75-35-4	1,1-Dichloroethene	1.0	J	2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	ND		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-01-20190430 Lab Sample ID: 480-152814-15

Matrix: Water Lab File ID: S4727.D

Analysis Method: 8260C Date Collected: 04/30/2019 12:30

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 15:14

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 471956 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	86		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4727.D
Lims ID: 480-152814-A-15
Client ID: LMW-01-20190430
Sample Type: Client
Inject. Date: 09-May-2019 15:14:30 ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 480-152814-A-15
Misc. Info.: 480-0080927-020
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 18:34:54 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: CTX0316

First Level Reviewer: milligana Date: 09-May-2019 18:35:06

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	98	102757	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	86	218351	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	94	195422	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.889	4.889	0.000	56	139266	24.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.200	-0.007	93	90287	26.0	
$ 5 Toluene-d8 (Surr)	98	6.982	6.976	0.006	93	519102	23.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	89	143530	21.5	
10 Dichlorodifluoromethane	85		1.276				ND	
12 Chloromethane	50		1.458				ND	
13 Vinyl chloride	62		1.568				ND	
14 Bromomethane	94		1.854				ND	
15 Chloroethane	64		1.957				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	2.699	2.699	0.000	35	2692	0.5195	Ma
23 Acetone	43		2.809				ND	
26 Carbon disulfide	76		2.888				ND	
27 Methyl acetate	43		3.107				ND	
30 Methylene Chloride	84		3.204				ND	
32 Methyl tert-butyl ether	73		3.423				ND	
34 trans-1,2-Dichloroethene	96		3.429				ND	
39 1,1-Dichloroethane	63	3.855	3.855	0.000	60	28176	2.54	
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	4.841	4.841	0.000	90	213723	24.4	
52 Cyclohexane	56		4.841				ND	
55 Carbon tetrachloride	117		4.974				ND	
57 Benzene	78		5.193				ND	
58 1,2-Dichloroethane	62		5.260				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		6.045				ND	
68 Dichlorobromomethane	83		6.343				ND	
72 cis-1,3-Dichloropropene	75		6.757				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.909				ND	
74 Toluene	92		7.043				ND	
77 trans-1,3-Dichloropropene	75		7.329				ND	
79 1,1,2-Trichloroethane	83		7.523				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				ND	
91 o-Xylene	106		9.136				ND	
92 Styrene	104		9.166				ND	
95 Bromoform	173		9.415				ND	
94 Isopropylbenzene	105		9.513				ND	
97 1,1,2,2-Tetrachloroethane	83		9.920				ND	
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		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

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

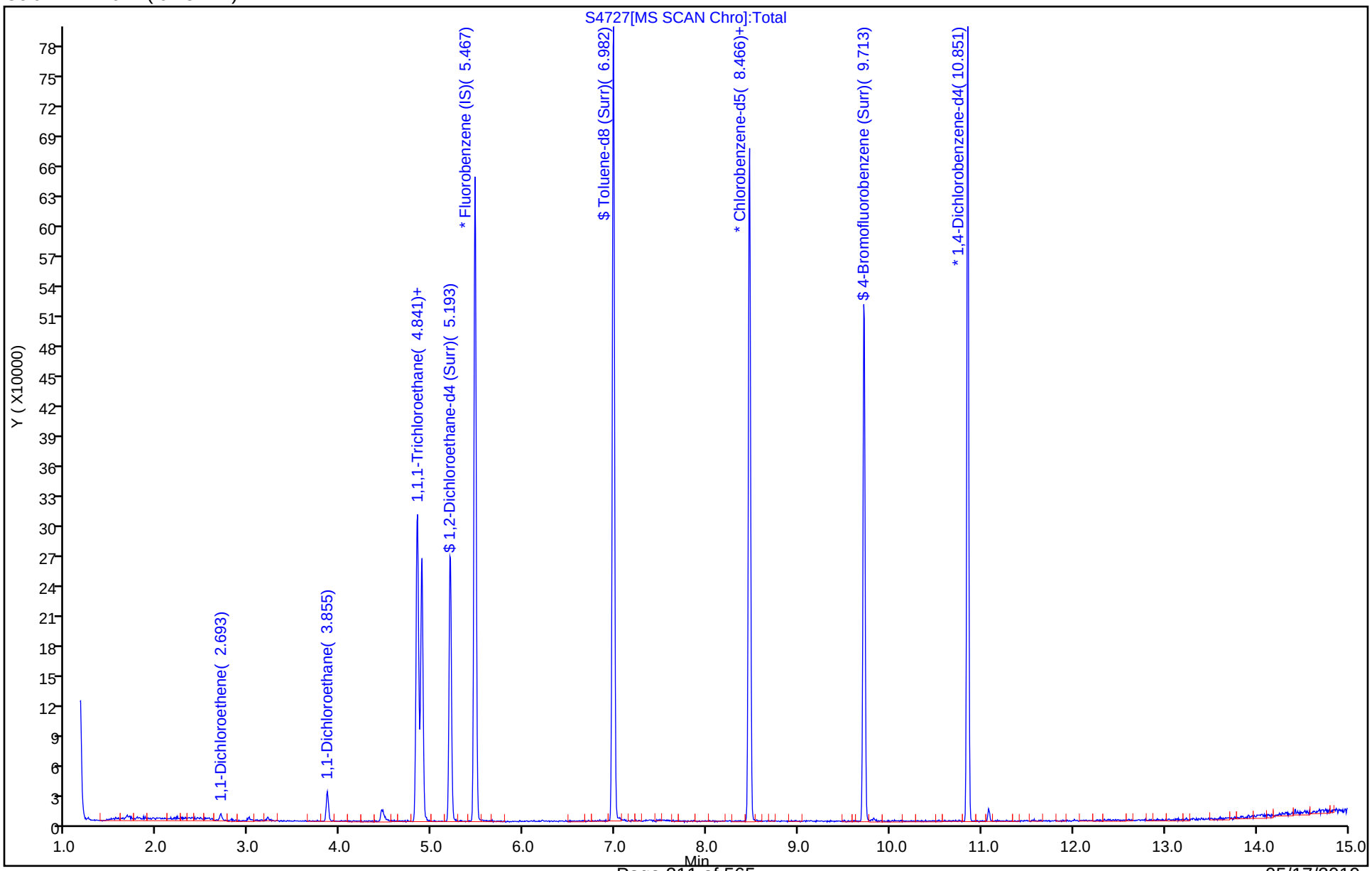
Report Date: 09-May-2019 18:35:06 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4727.D

Injection Date:	09-May-2019 15:14:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-152814-A-15	Lab Sample ID:	480-152814-15	Worklist Smp#:	20
Client ID:	LMW-01-20190430				
Purge Vol:	5.000 mL	Dil. Factor:	2.0000	ALS Bottle#:	13
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)

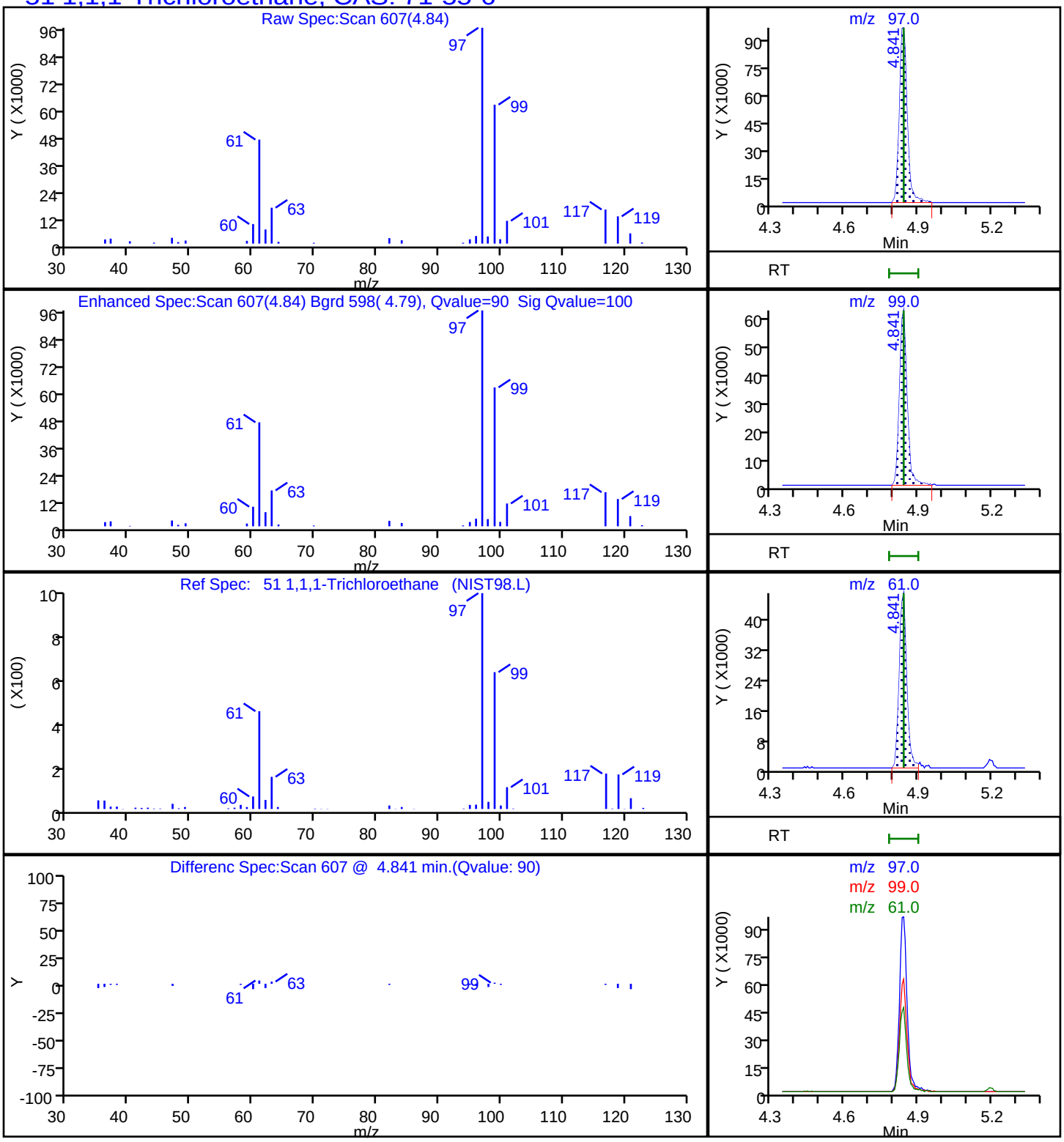


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4727.D

Injection Date:	09-May-2019 15:14:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-15	Lab Sample ID:	480-152814-15		
Client ID:	LMW-01-20190430				
Operator ID:	AM	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
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



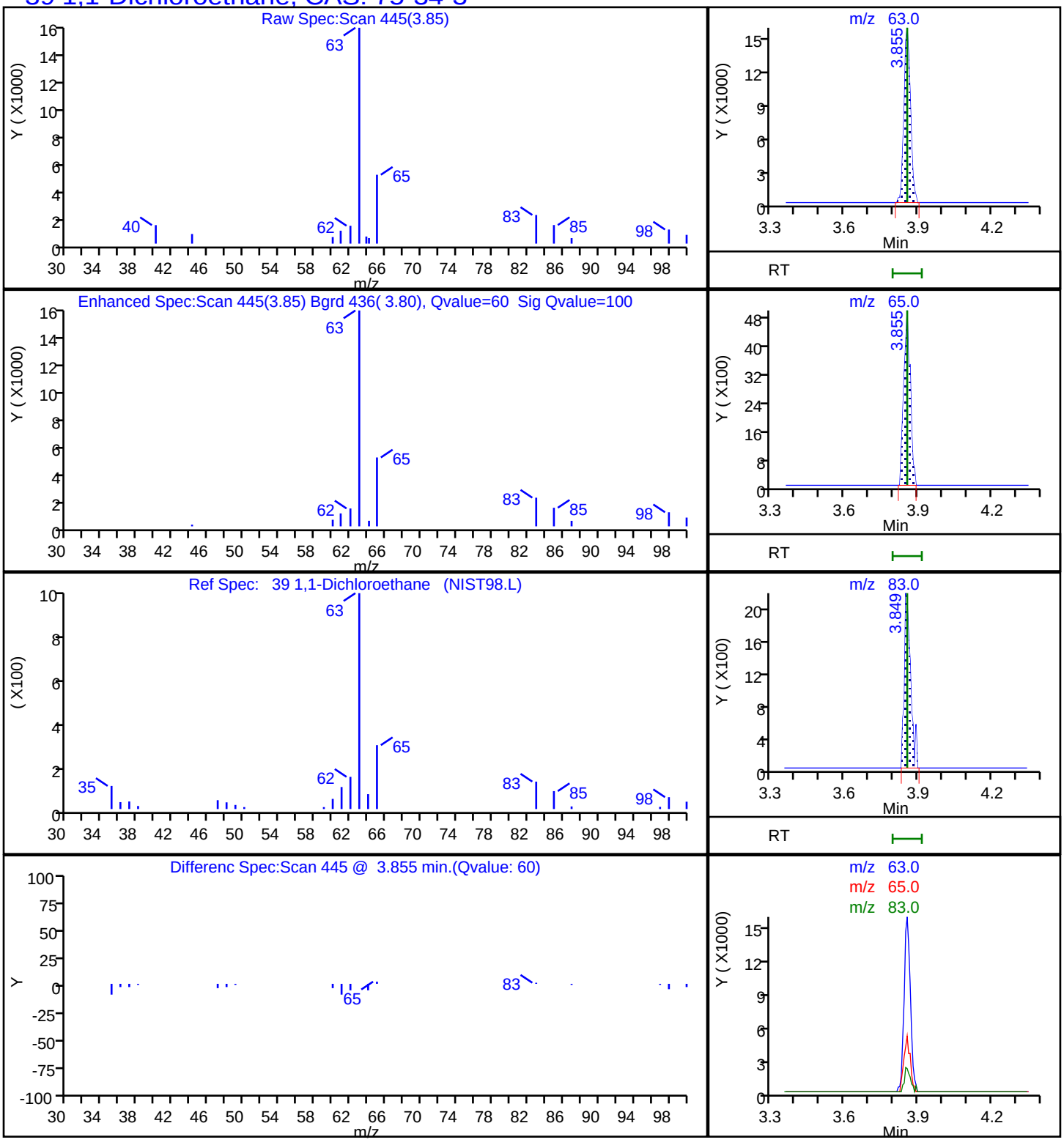
Report Date: 09-May-2019 18:35:07 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4727.D

Injection Date:	09-May-2019 15:14:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-15	Lab Sample ID:	480-152814-15		
Client ID:	LMW-01-20190430				
Operator ID:	AM	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

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

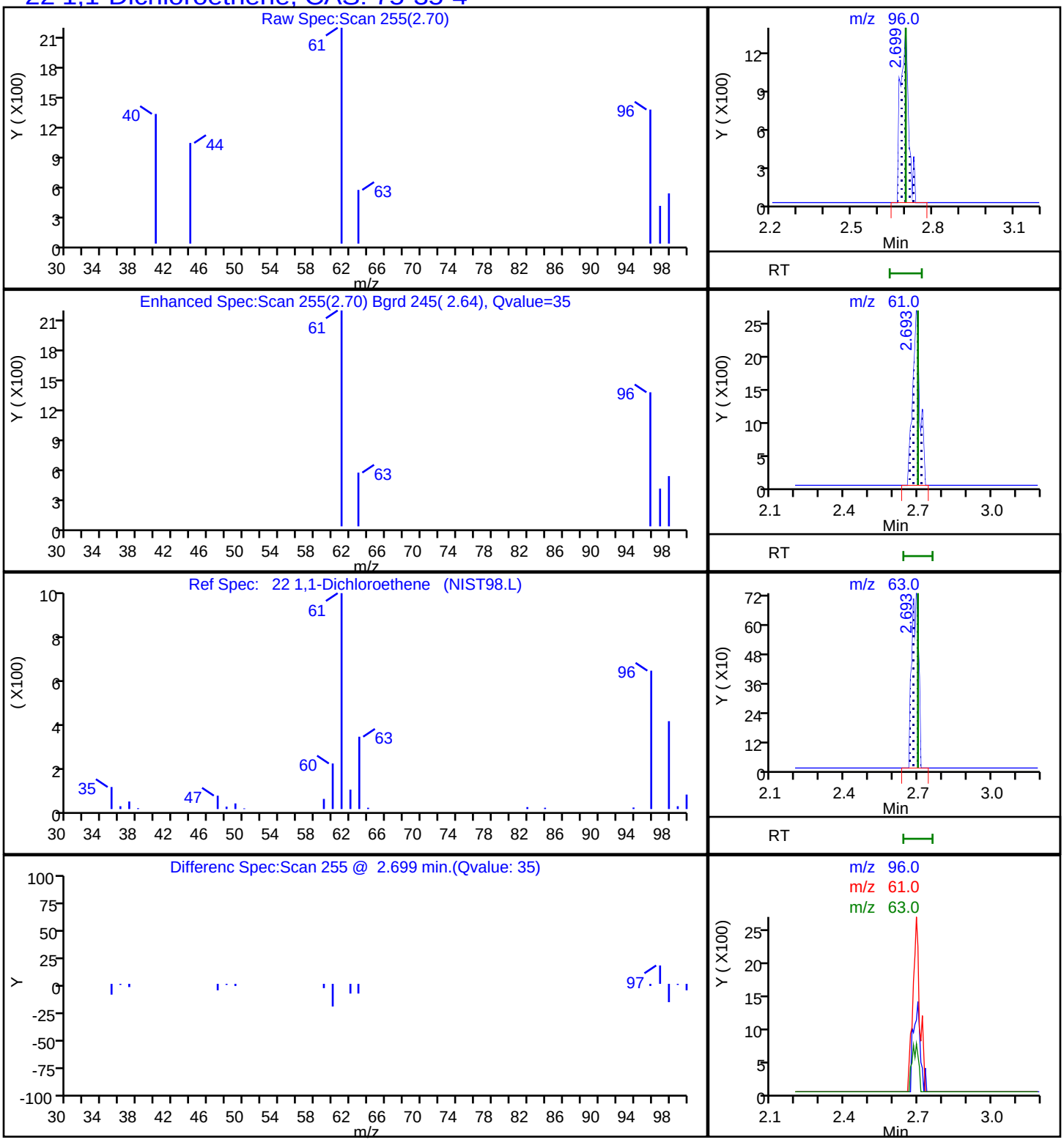


Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4727.D

Injection Date:	09-May-2019 15:14:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-15	Lab Sample ID:	480-152814-15		
Client ID:	LMW-01-20190430				
Operator ID:	AM	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
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



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

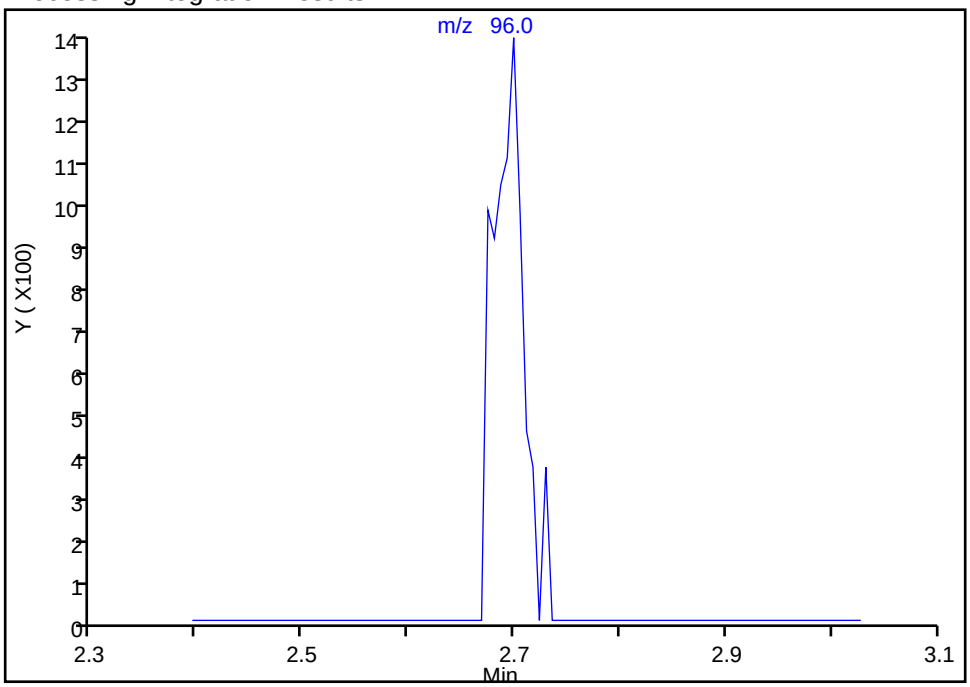
Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4727.D				
Injection Date:	09-May-2019 15:14:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-15	Lab Sample ID:	480-152814-15		
Client ID:	LMW-01-20190430				
Operator ID:	AM	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

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

Signal: 1

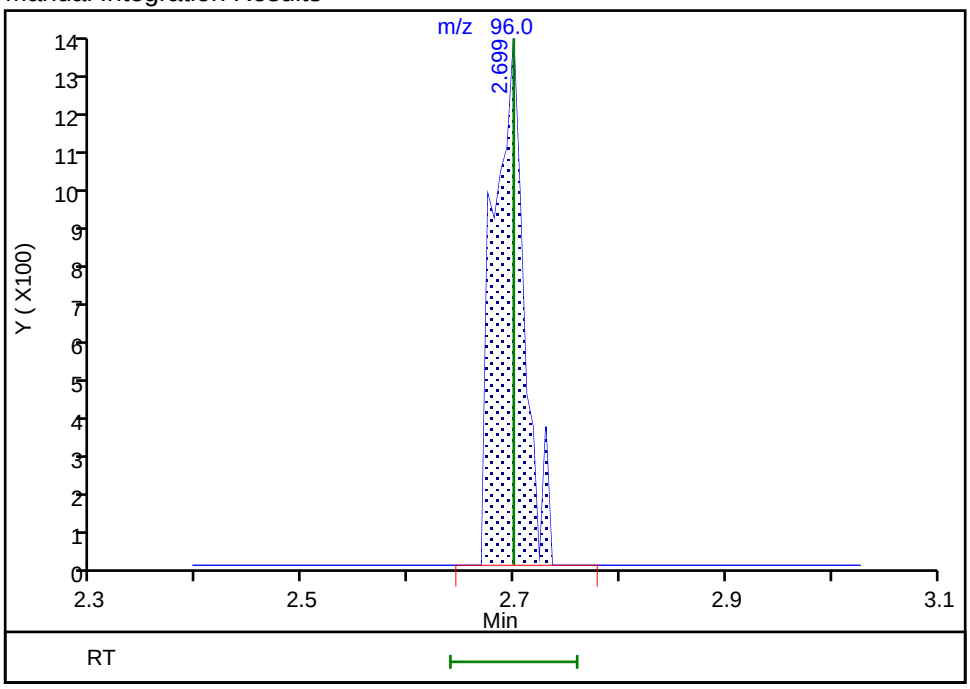
Not Detected
Expected RT: 2.70

Processing Integration Results



Manual Integration Results

RT: 2.70
Area: 2692
Amount: 0.519550
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 18:34:31
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-05-20190430 Lab Sample ID: 480-152814-16

Matrix: Water Lab File ID: S4728.D

Analysis Method: 8260C Date Collected: 04/30/2019 13:05

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 15:37

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.: 471956 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-05-20190430 Lab Sample ID: 480-152814-16

Matrix: Water Lab File ID: S4728.D

Analysis Method: 8260C Date Collected: 04/30/2019 13:05

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 15:37

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.: 471956 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	83		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4728.D
Lims ID: 480-152814-A-16
Client ID: LMW-05-20190430
Sample Type: Client
Inject. Date: 09-May-2019 15:37:30 ALS Bottle#: 14 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-152814-A-16
Misc. Info.: 480-0080927-021
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 18:35:58 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: CTX0316

First Level Reviewer: milligana Date: 09-May-2019 18:35:59

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	101709	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	86	218277	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	94	191635	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.889	4.889	0.000	57	138367	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.199	5.200	-0.001	92	91204	26.5	
$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	94	518065	23.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.719	9.719	-0.001	89	138272	20.7	
10 Dichlorodifluoromethane	85		1.276				ND	
12 Chloromethane	50		1.458				ND	
13 Vinyl chloride	62		1.568				ND	
14 Bromomethane	94		1.854				ND	
15 Chloroethane	64		1.957				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		2.699				ND	
23 Acetone	43		2.809				ND	
26 Carbon disulfide	76		2.888				ND	
27 Methyl acetate	43		3.107				ND	
30 Methylene Chloride	84		3.204				ND	
32 Methyl tert-butyl ether	73		3.423				ND	
34 trans-1,2-Dichloroethene	96		3.429				ND	
39 1,1-Dichloroethane	63		3.855				ND	U
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	4.834	4.834	-0.007	6	2118	0.2447	a
52 Cyclohexane	56		4.841				ND	
55 Carbon tetrachloride	117		4.974				ND	
57 Benzene	78		5.193				ND	
58 1,2-Dichloroethane	62		5.260				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		6.045				ND	
68 Dichlorobromomethane	83		6.343				ND	
72 cis-1,3-Dichloropropene	75		6.757				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.909				ND	
74 Toluene	92		7.043				ND	
77 trans-1,3-Dichloropropene	75		7.329				ND	
79 1,1,2-Trichloroethane	83		7.523				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				ND	
91 o-Xylene	106		9.136				ND	
92 Styrene	104		9.166				ND	
95 Bromoform	173		9.415				ND	
94 Isopropylbenzene	105		9.513				ND	
97 1,1,2,2-Tetrachloroethane	83		9.920				ND	
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		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

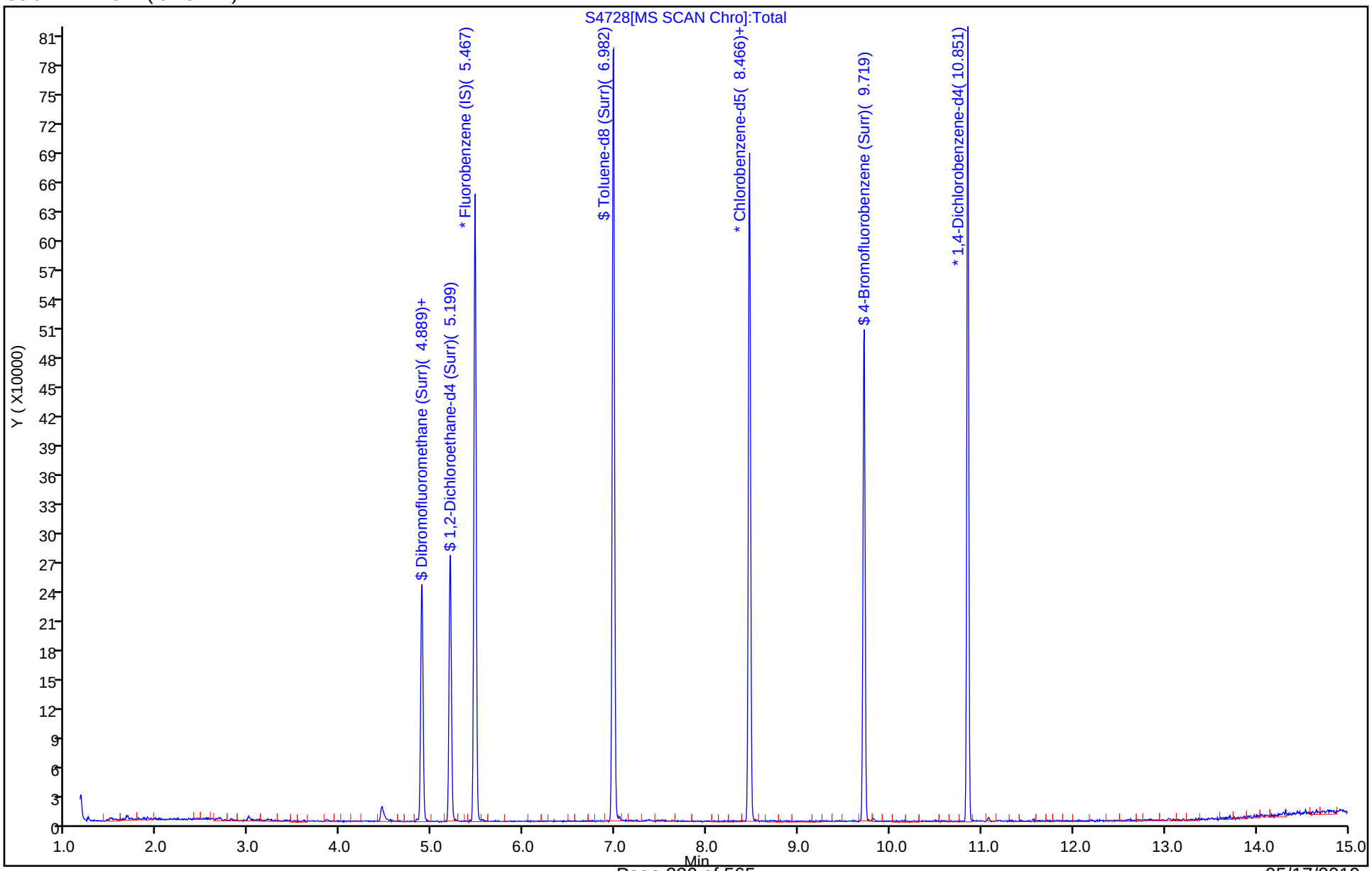
Report Date: 09-May-2019 18:35:59 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4728.D

Injection Date:	09-May-2019 15:37:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-152814-A-16	Lab Sample ID:	480-152814-16	Worklist Smp#:	21
Client ID:	LMW-05-20190430				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

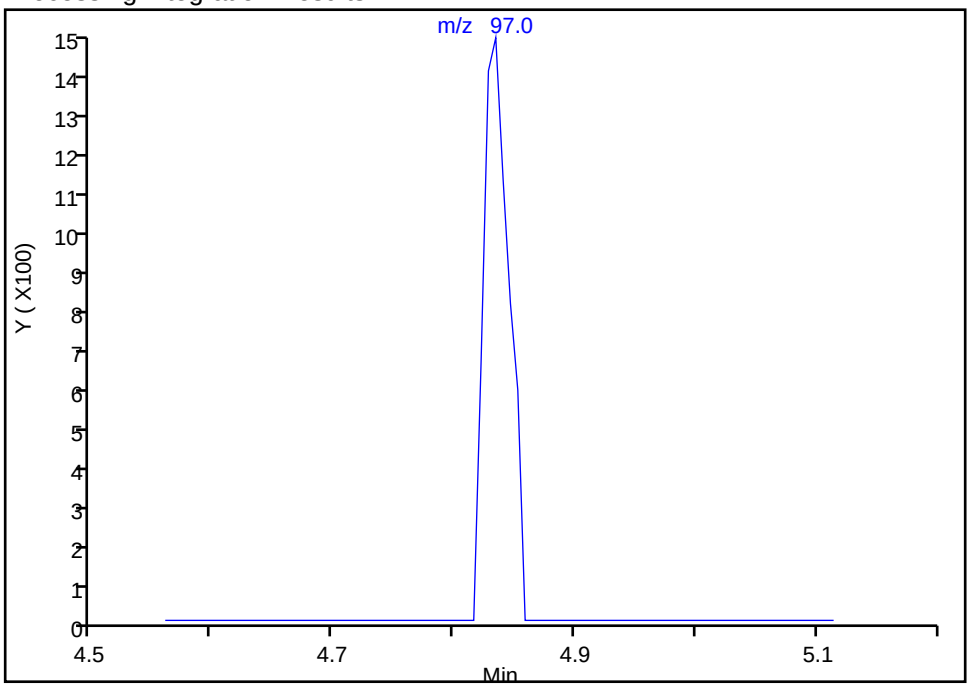
Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4728.D				
Injection Date:	09-May-2019 15:37:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-16	Lab Sample ID:	480-152814-16		
Client ID:	LMW-05-20190430				
Operator ID:	AM	ALS Bottle#:	14	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	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

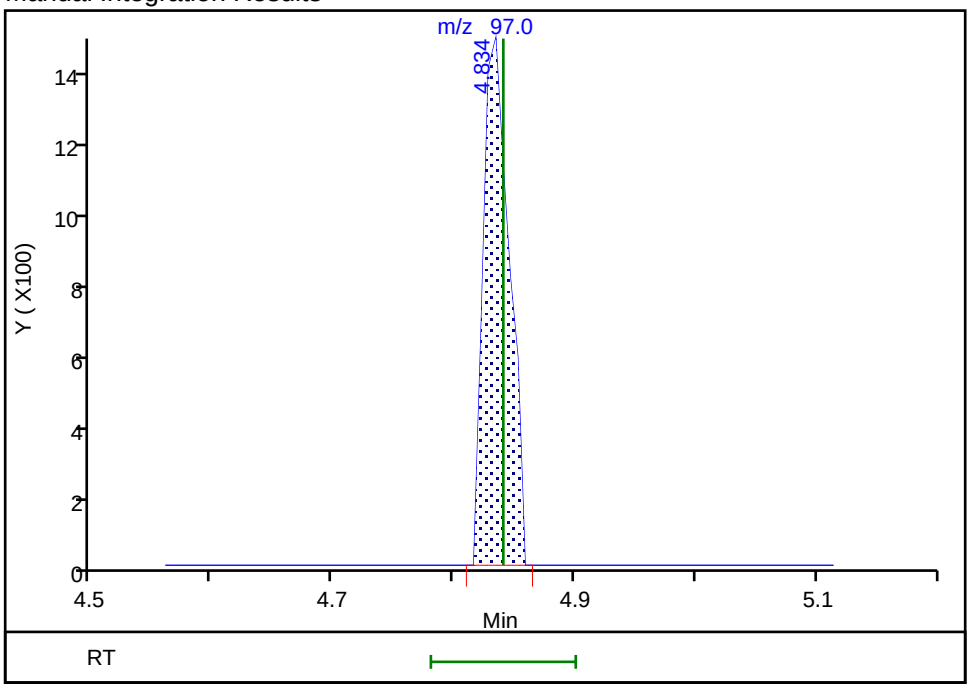
Not Detected
Expected RT: 4.84

Processing Integration Results



Manual Integration Results

RT: 4.83
Area: 2118
Amount: 0.244735
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 18:35:49
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

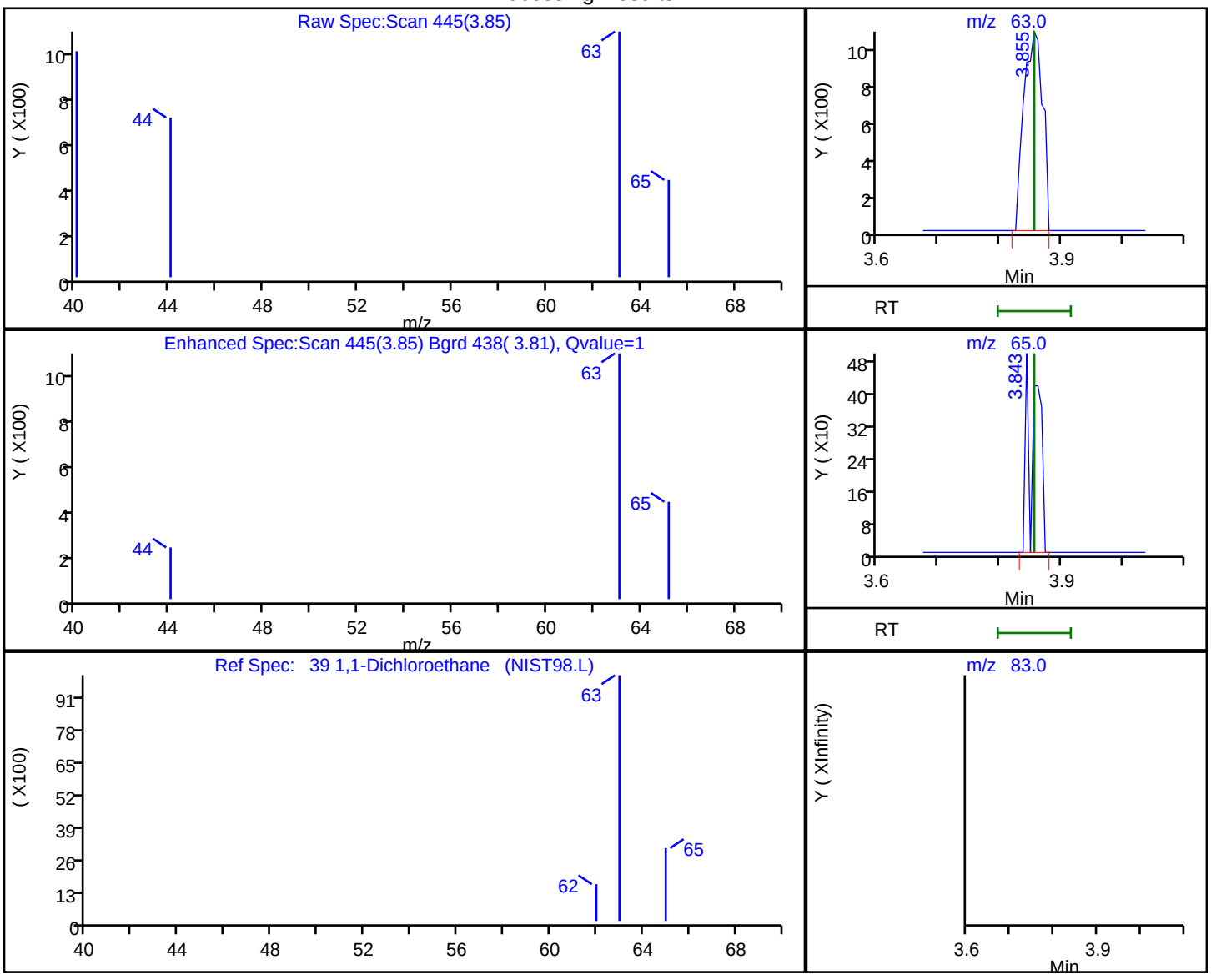
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4728.D				
Injection Date:	09-May-2019 15:37:30	Instrument ID:	HP5973S		
Lims ID:	480-152814-A-16	Lab Sample ID:	480-152814-16		
Client ID:	LMW-05-20190430				
Operator ID:	AM	ALS Bottle#:	14	Worklist Smp#:	21
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		

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

Processing Results



RT	Mass	Response	Amount
3.85	63.00	2249	0.204915
3.84	65.00	618	
3.86	83.00	0	

Reviewer: milligana, 09-May-2019 18:35:44

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.: 480-152814-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 480-152814-17

Matrix: Water Lab File ID: T0665.D

Analysis Method: 8260C Date Collected: 04/29/2019 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 18:25

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.: 471764 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 480-152814-17

Matrix: Water Lab File ID: T0665.D

Analysis Method: 8260C Date Collected: 04/29/2019 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 18:25

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.: 471764 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0665.D
Lims ID: 480-152814-A-17
Client ID: Trip Blank
Sample Type: Client
Inject. Date: 08-May-2019 18:25:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-152814-a-17
Misc. Info.: 480-0080903-026
Operator ID: AEM Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-May-2019 19:01:28 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: CTX0301

First Level Reviewer: milligana Date: 08-May-2019 19:02:04

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	96090	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	88	370923	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	96	207145	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	91	129280	25.9	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	149195	25.7	
$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.001	96	479840	24.3	
$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.082	0.001	0	164388	28.1	
11 Dichlorodifluoromethane	85		1.263				ND	
13 Chloromethane	50		1.408				ND	
14 Vinyl chloride	62		1.501				ND	
15 Bromomethane	94		1.760				ND	
16 Chloroethane	64		1.822				ND	
17 Trichlorofluoromethane	101		2.061				ND	
22 1,1-Dichloroethene	96		2.496				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.506				ND	
23 Acetone	43	2.631	2.641	-0.010	85	3432	2.46	
25 Carbon disulfide	76		2.682				ND	
28 Methyl acetate	43		2.879				ND	
30 Methylene Chloride	84	2.983	2.983	0.000	28	2178	0.3807	
32 trans-1,2-Dichloroethene	96		3.169				ND	
33 Methyl tert-butyl ether	73		3.169				ND	
36 1,1-Dichloroethane	63		3.532				ND	
43 cis-1,2-Dichloroethene	96		4.009				ND	
44 2-Butanone (MEK)	43		4.030				ND	
50 Chloroform	83		4.258				ND	
52 Cyclohexane	56		4.361				ND	
51 1,1,1-Trichloroethane	97		4.361				ND	
53 Carbon tetrachloride	117		4.465				ND	
55 Benzene	78		4.641				ND	
57 1,2-Dichloroethane	62		4.693				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		5.315				ND	
67 Dichlorobromomethane	83		5.543				ND	
71 cis-1,3-Dichloropropene	75		5.853				ND	
72 4-Methyl-2-pentanone (MIBK	43		5.967				ND	
73 Toluene	92		6.071				ND	
75 trans-1,3-Dichloropropene	75		6.289				ND	
78 1,1,2-Trichloroethane	83		6.434				ND	
79 Tetrachloroethene	166		6.475				ND	
81 2-Hexanone	43		6.568				ND	
82 Chlorodibromomethane	129		6.734				ND	
83 Ethylene Dibromide	107		6.817				ND	
86 Chlorobenzene	112		7.170				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		7.854				ND	
95 Isopropylbenzene	105		7.926				ND	
98 1,1,2,2-Tetrachloroethane	83		8.237				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	

Reagents:

T_8260_Surr_00188	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00218	Amount Added:	1.00	Units: uL	Run Reagent

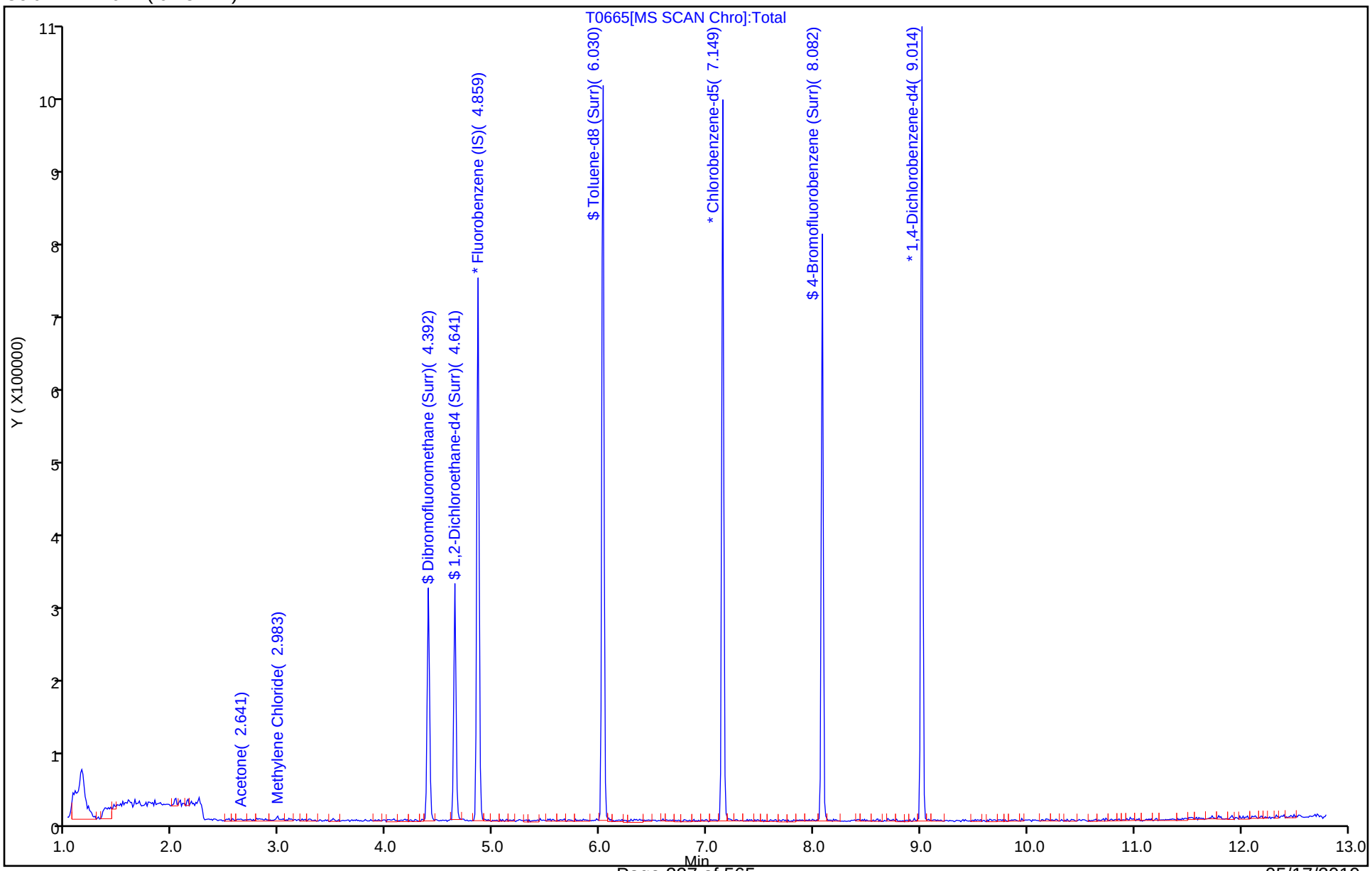
Report Date: 08-May-2019 19:02:04 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0665.D

Injection Date:	08-May-2019 18:25:30	Instrument ID:	HP5975T	Operator ID:	AEM
Lims ID:	480-152814-A-17	Lab Sample ID:	480-152814-17	Worklist Smp#:	26
Client ID:	Trip Blank				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	T-8260	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.: 480-152814-1 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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.5057	1.3854 1.4554	1.6806 1.4136	1.5425	1.3789	Ave		1.4803			0.1000	7.2		20.0			
Chloromethane	+++++ 1.7812	2.0247 1.7017	1.9861 1.6418	1.7586	1.7706	Ave		1.8093			0.1000	7.9		20.0			
Butadiene	1.5605 1.6714	1.7018 1.5928	1.9325 1.5600	1.7015	1.5364	Ave		1.6571				7.8		20.0			
Vinyl chloride	+++++ 1.6773	1.7565 1.6089	1.8681 1.5831	1.7224	1.6215	Ave		1.6911			0.1000	5.9		20.0			
Bromomethane	+++++ 1.1482	1.2494 1.1029	1.3465 1.0621	1.1454	1.1396	Ave		1.1706			0.1000	8.2		20.0			
Chloroethane	+++++ 1.1185	1.2356 1.0616	1.2887 1.0161	1.1524	1.0978	Ave		1.1387			0.1000	8.4		20.0			
Dichlorofluoromethane	2.2901 2.4685	2.4109 2.3987	2.9153 2.3366	2.4587	2.4394	Ave		2.4648				7.8		20.0			
Trichlorofluoromethane	1.8985 2.2522	2.1487 2.1682	2.5871 2.1146	2.2720	2.0324	Ave		2.1842			0.1000	9.2		20.0			
Ethyl ether	1.3214 1.4199	1.5177 1.4584	1.5598 1.3862	1.3732	1.4069	Ave		1.4304				5.5		20.0			
Acrolein	0.3950 0.4134	0.4116 0.4175	0.4516 0.3904	0.3900	0.4167	Ave		0.4108				4.9		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.2175	1.1294 1.3237	1.5735 1.1480	1.1541	1.1544	Ave		1.2429			0.1000	12.9		20.0			
1,1-Dichloroethene	+++++ 1.2130	1.2046 1.3347	1.4398 1.1924	1.1953	1.2444	Ave		1.2606			0.1000	7.4		20.0			
Acetone	+++++ 0.6490	0.6417 0.6826	0.7085 0.6300	0.6821	0.6764	Ave		0.6672			0.1000	4.2		20.0			
Iodomethane	2.0486 2.2810	2.3183 2.3238	2.6075 2.2030	2.0569	2.2881	Ave		2.2659				7.8		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.: 480-152814-1 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.: 480-152814-1 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.: 480-152814-1 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.: 480-152814-1 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.: 480-152814-1 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.: 480-152814-1 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.: 480-152814-1 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.: 480-152814-1 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.: 480-152814-1 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

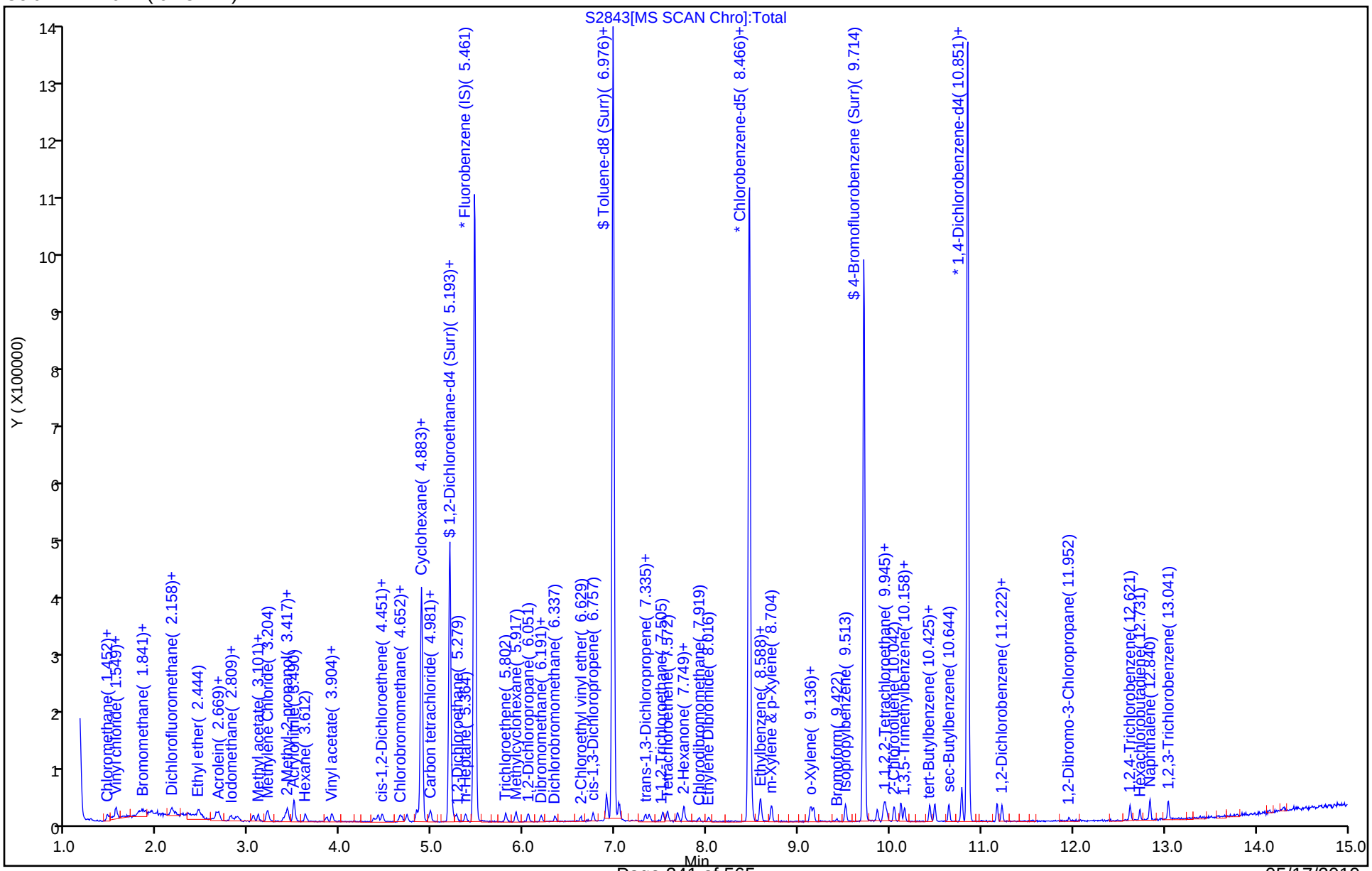
Report Date: 28-Mar-2019 12:18:11 Chrom Revision: 2.3 24-Mar-2019 20:11:04

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)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

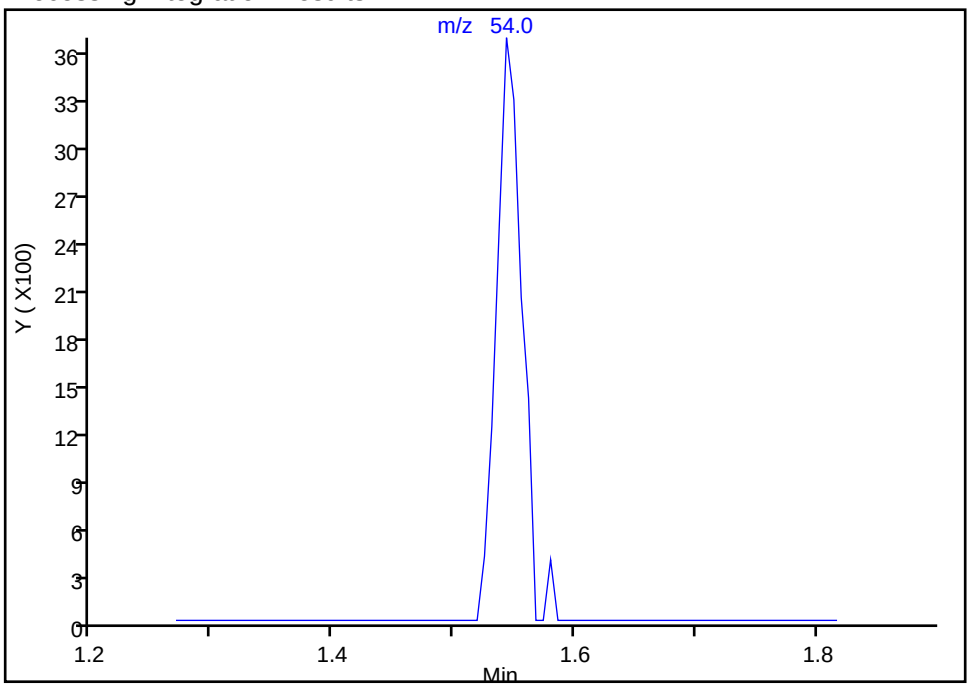
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

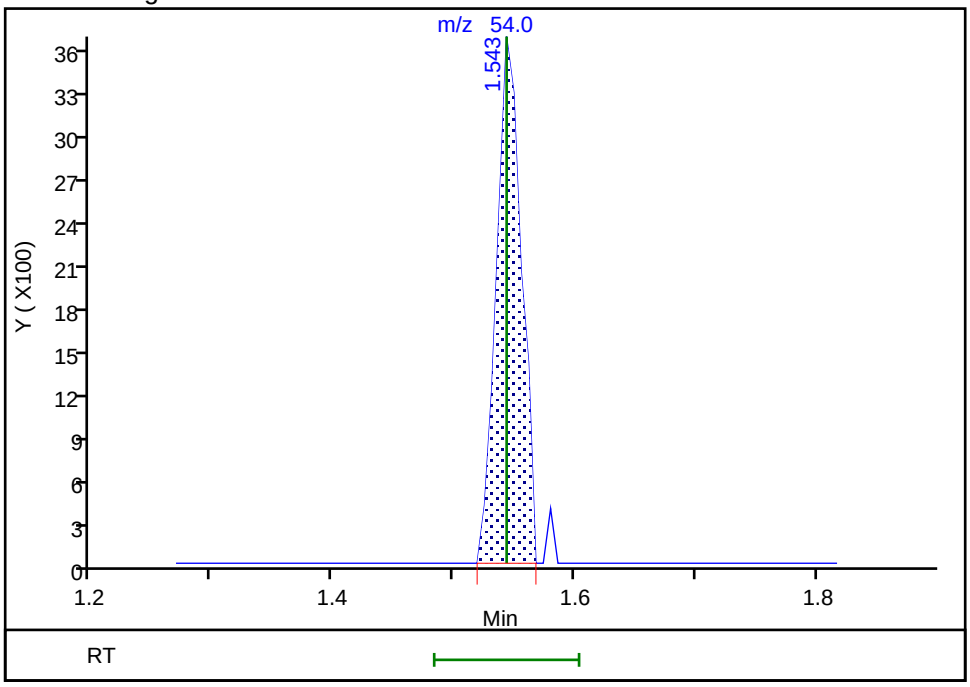
Not Detected
Expected RT: 1.54

Processing Integration Results



Manual Integration Results

RT: 1.54
Area: 5273
Amount: 0.470858
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:51:05
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

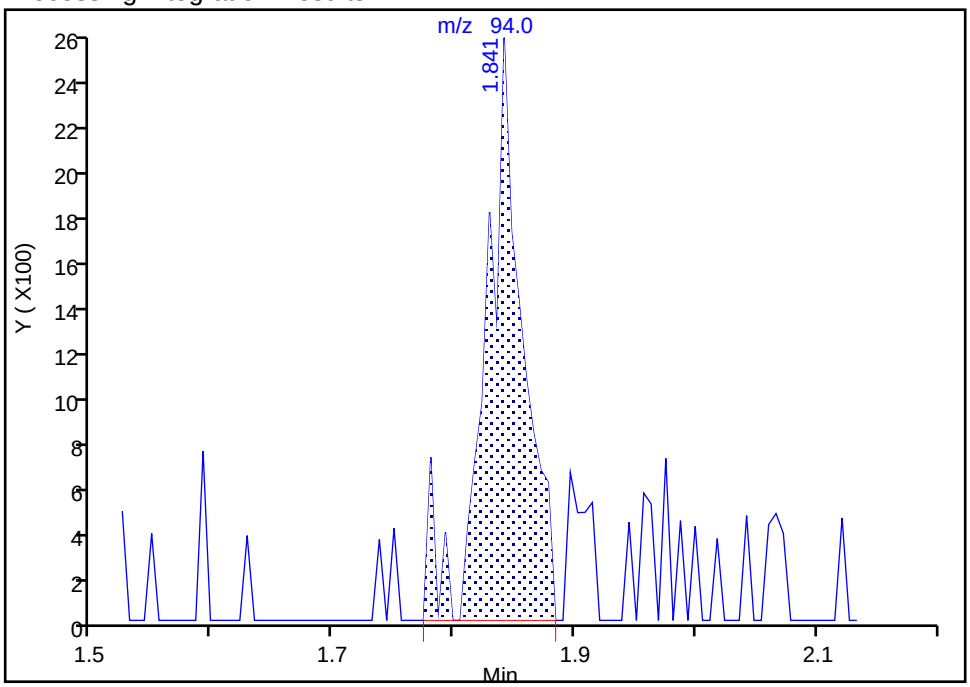
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

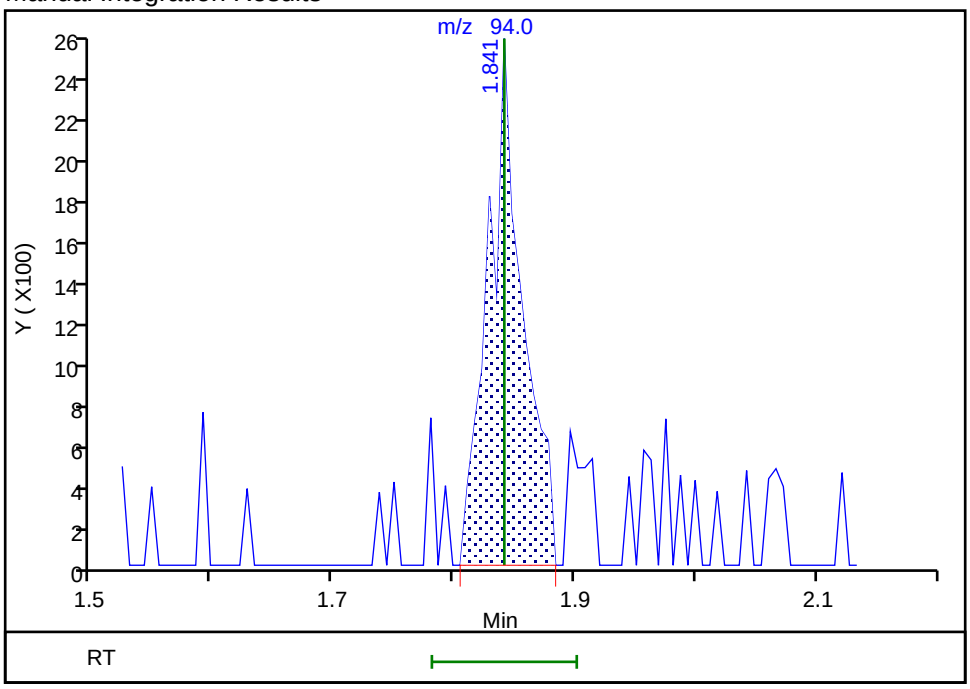
Processing Integration Results

RT: 1.84
Area: 5443
Amount: 0.639192
Amount Units: ug/L



Manual Integration Results

RT: 1.84
Area: 5044
Amount: 0.637619
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:51:13
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

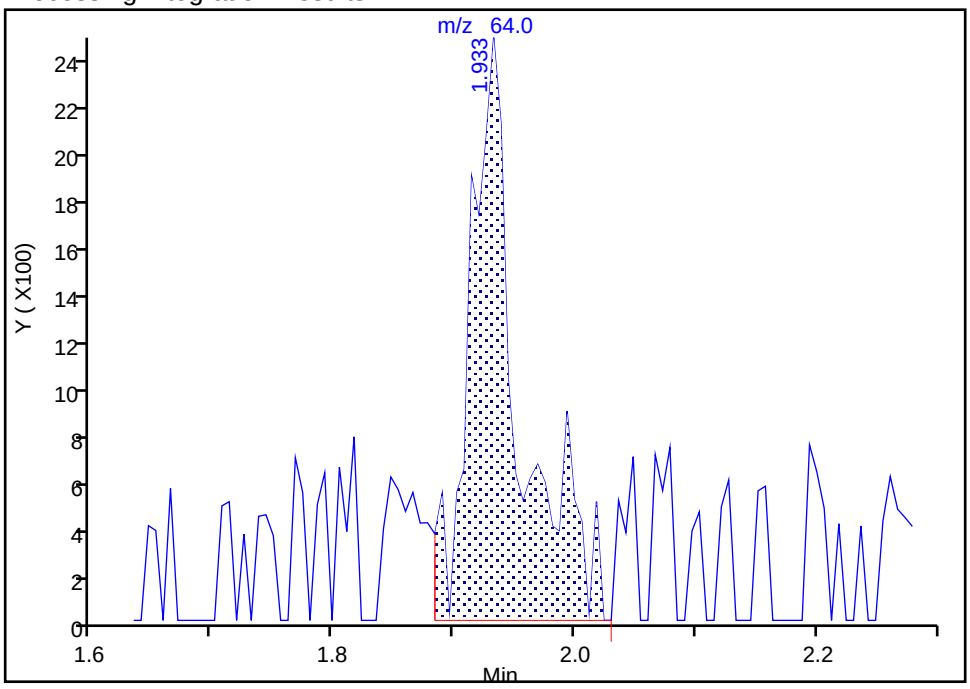
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

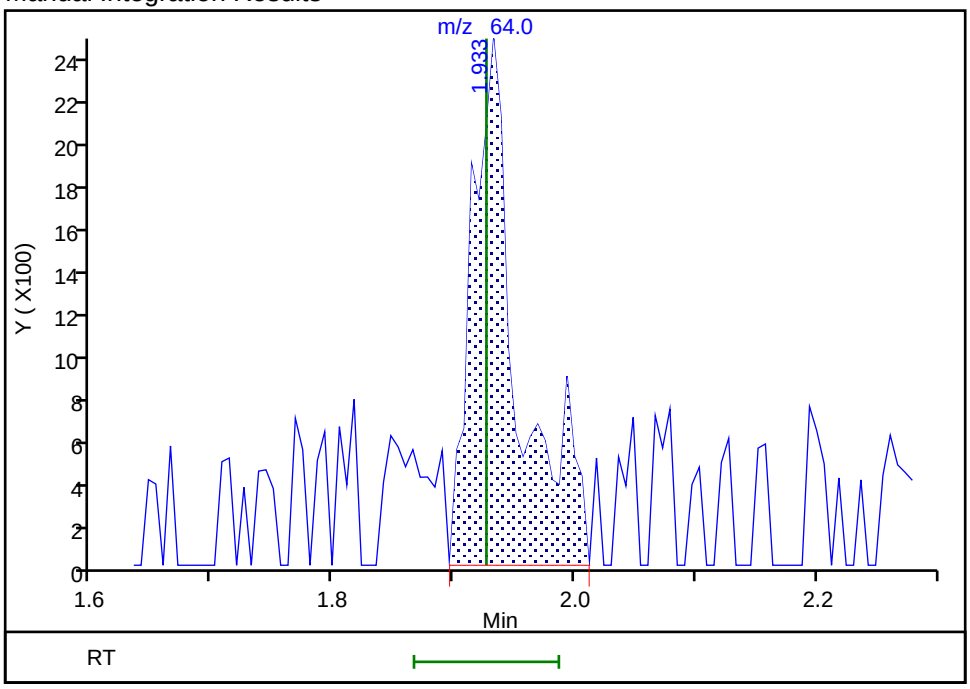
Processing Integration Results

RT: 1.93
Area: 6891
Amount: 0.390396
Amount Units: ug/L



Manual Integration Results

RT: 1.93
Area: 6391
Amount: 0.830536
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:51:22
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

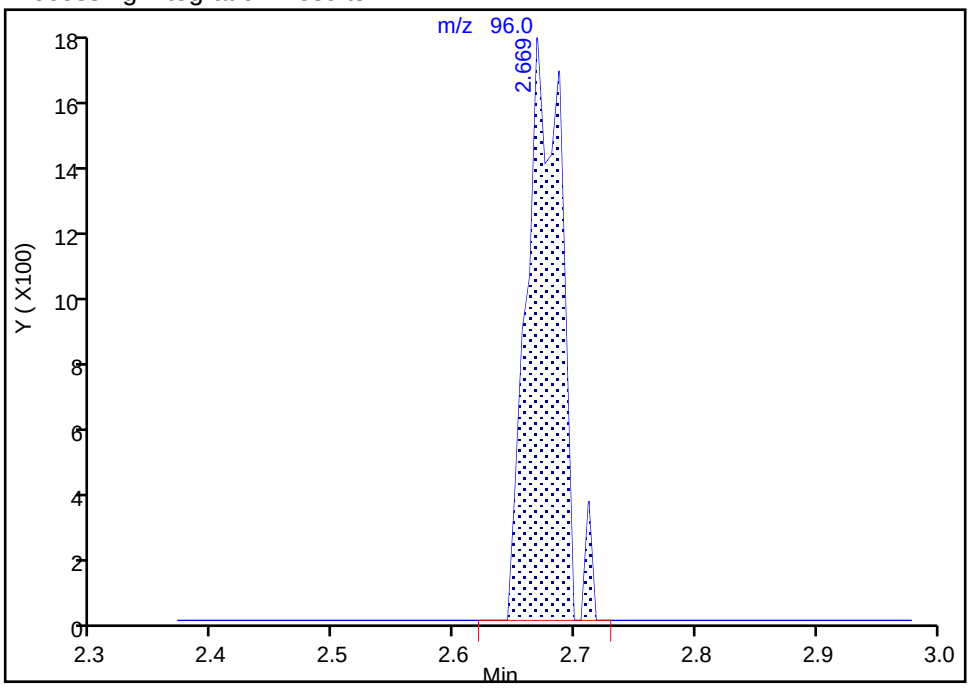
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

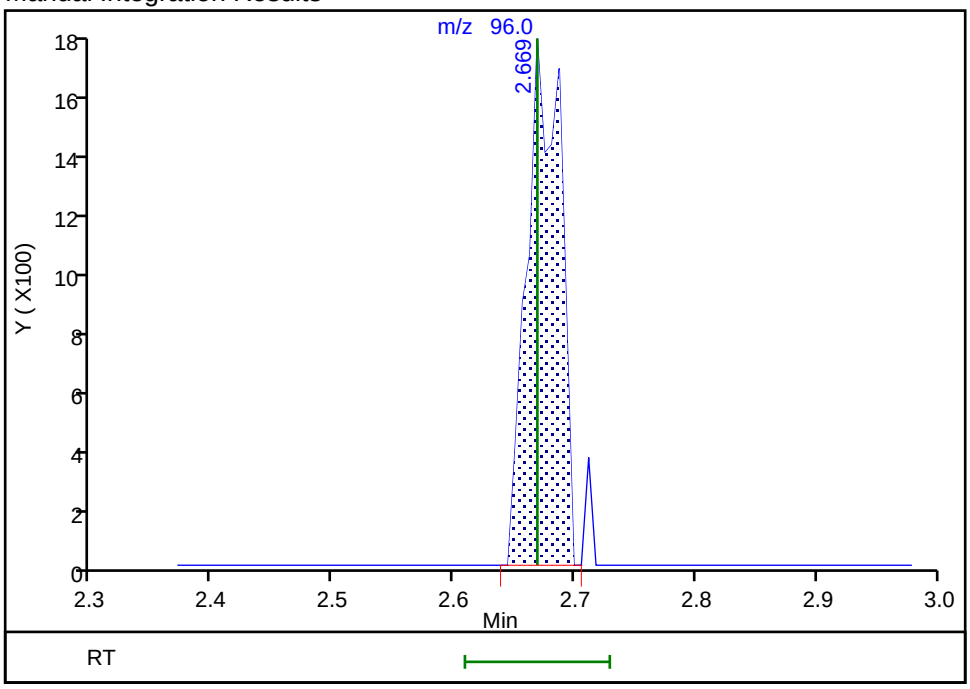
Processing Integration Results

RT: 2.67
Area: 3569
Amount: 0.427377
Amount Units: ug/L



Manual Integration Results

RT: 2.67
Area: 3436
Amount: 0.403333
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:51:42
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

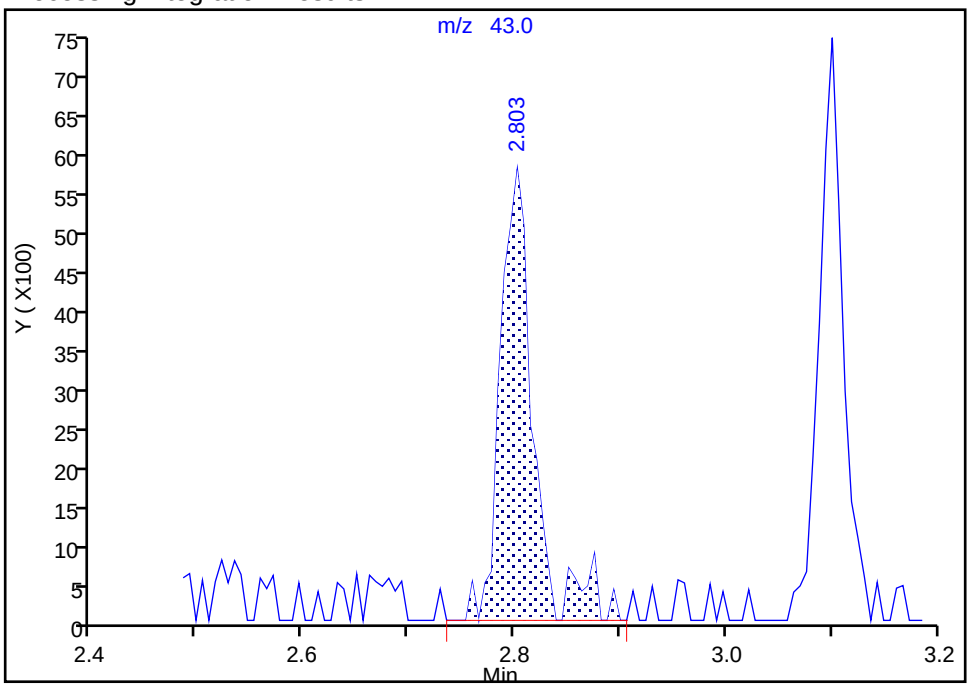
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

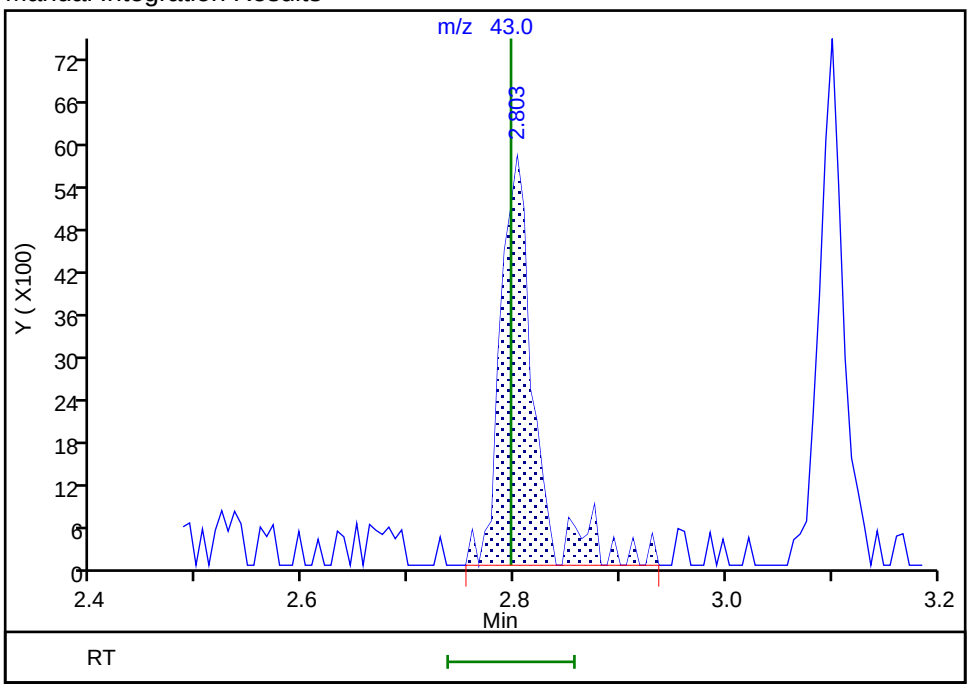
Processing Integration Results

RT: 2.80
Area: 12513
Amount: 2.722214
Amount Units: ug/L



Manual Integration Results

RT: 2.80
Area: 12808
Amount: 2.840639
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:13:37
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

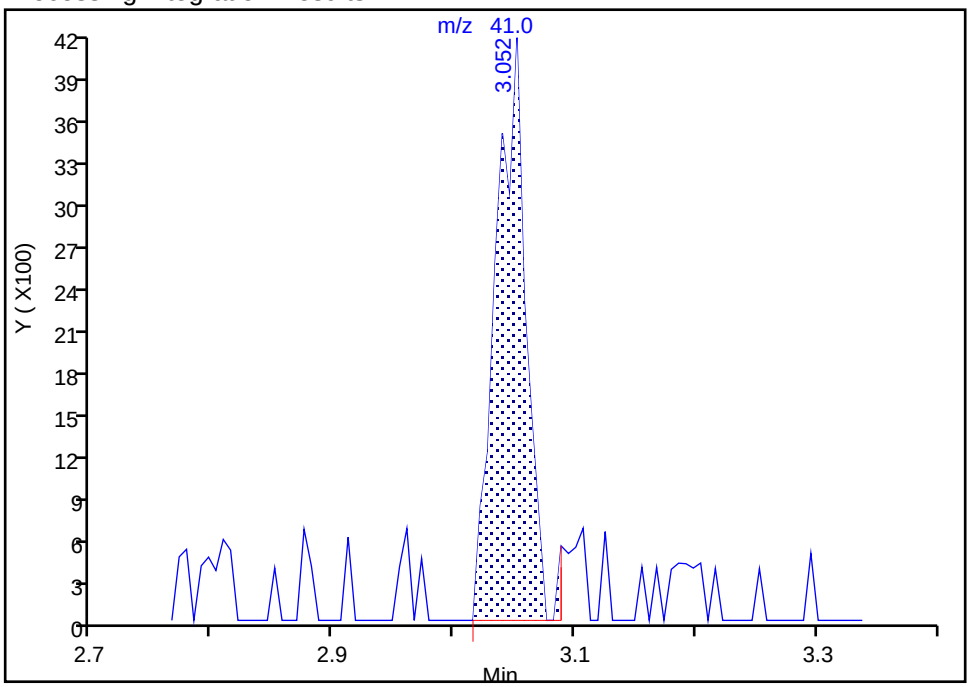
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

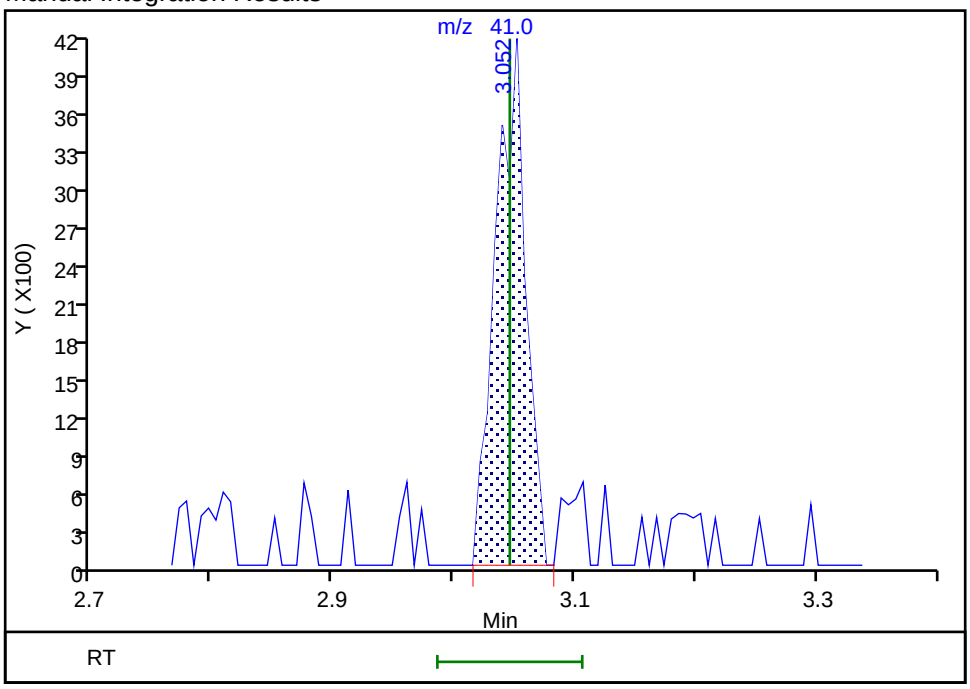
Processing Integration Results

RT: 3.05
Area: 7356
Amount: 0.459811
Amount Units: ug/L



Manual Integration Results

RT: 3.05
Area: 7162
Amount: 0.440488
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:51:57
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

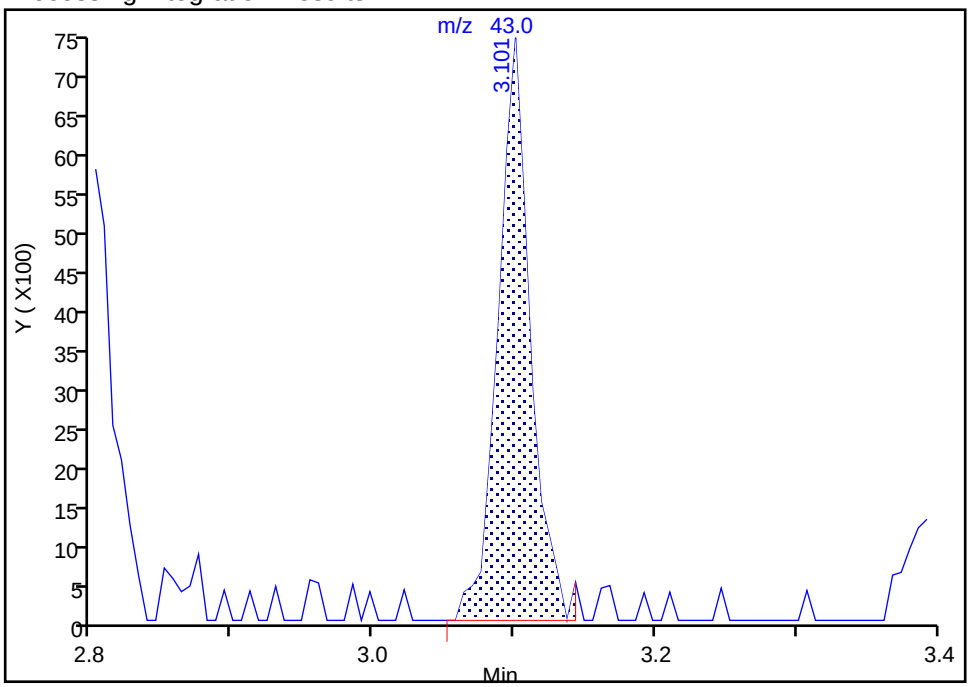
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

Signal: 1

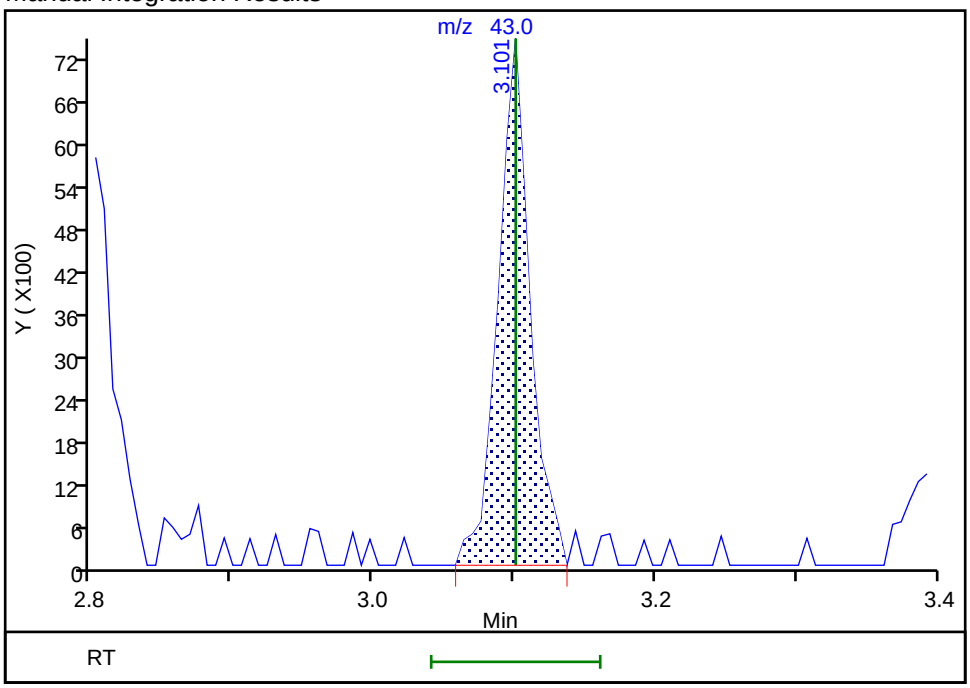
Processing Integration Results

RT: 3.10
Area: 11866
Amount: 1.095274
Amount Units: ug/L



Manual Integration Results

RT: 3.10
Area: 11689
Amount: 1.062183
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:52:03
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

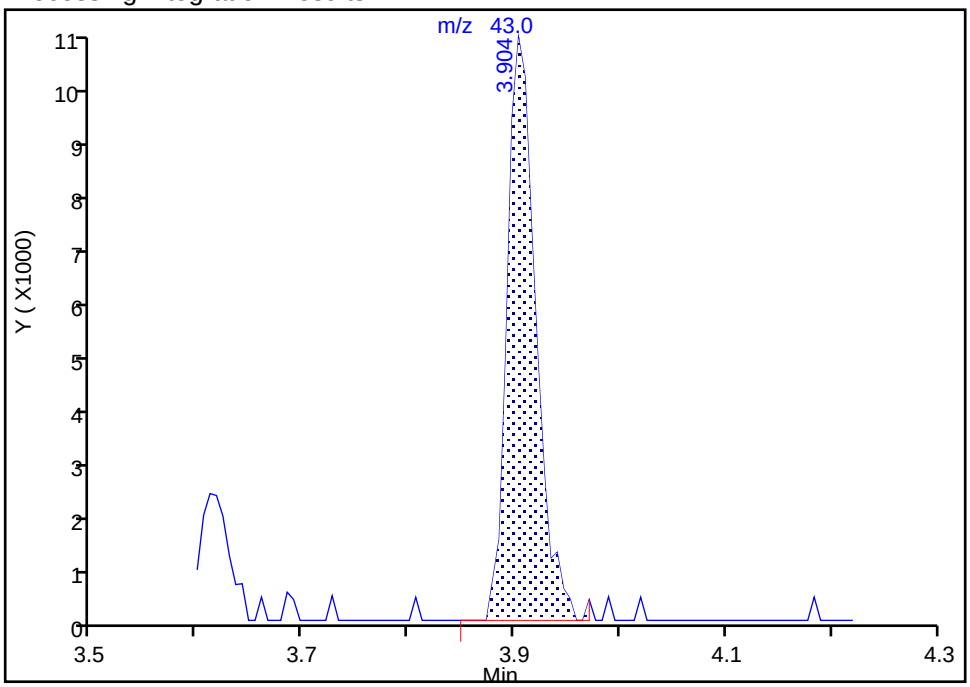
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

37 Vinyl acetate, CAS: 108-05-4

Signal: 1

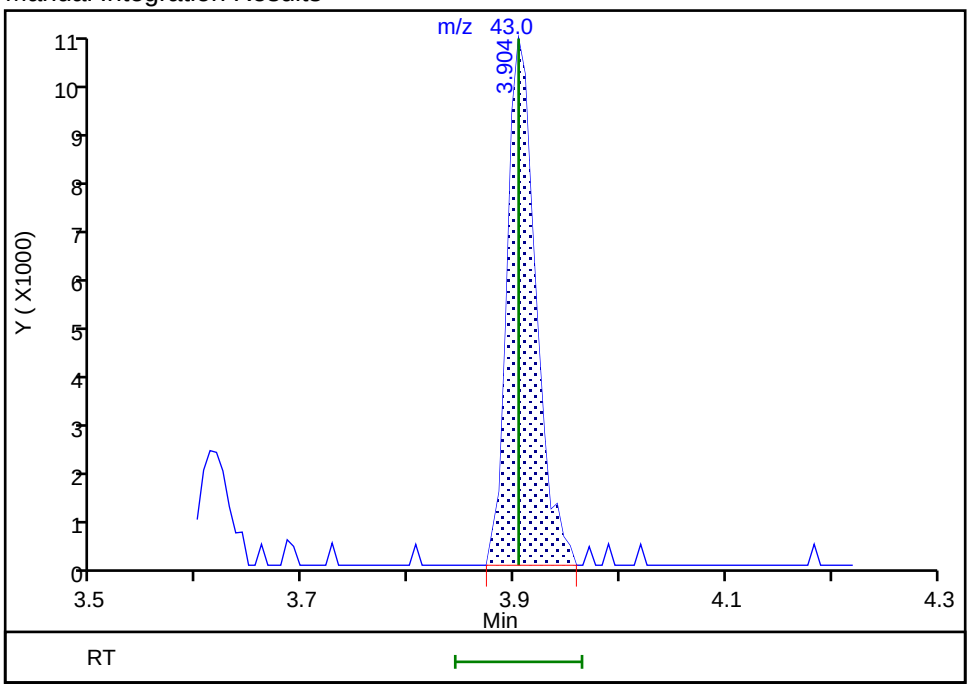
Processing Integration Results

RT: 3.90
Area: 19049
Amount: 0.855611
Amount Units: ug/L



Manual Integration Results

RT: 3.90
Area: 18919
Amount: 0.832416
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:52:18
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

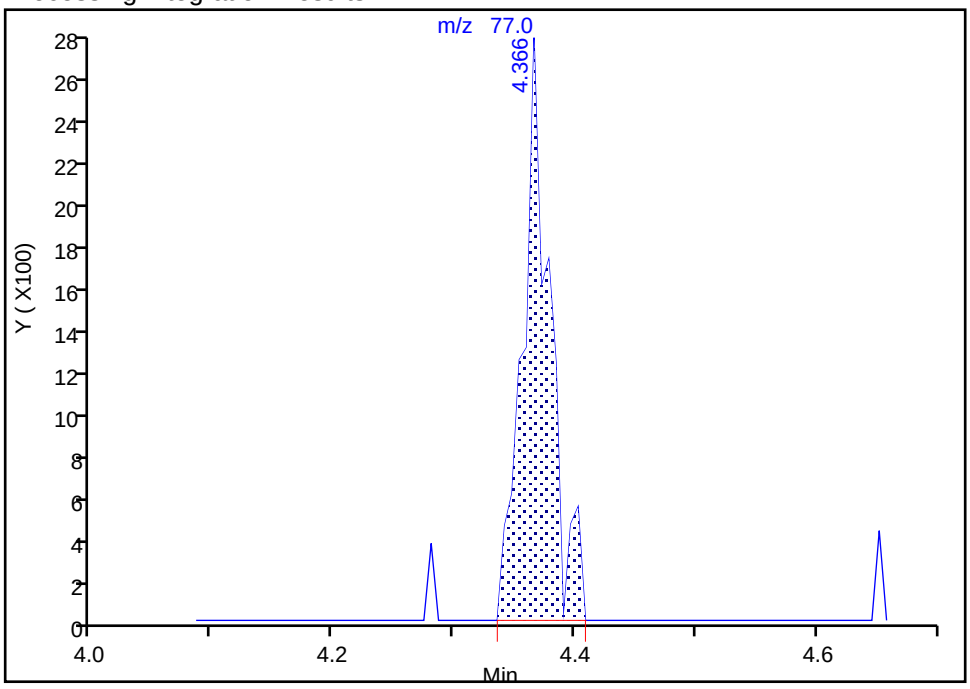
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

44 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

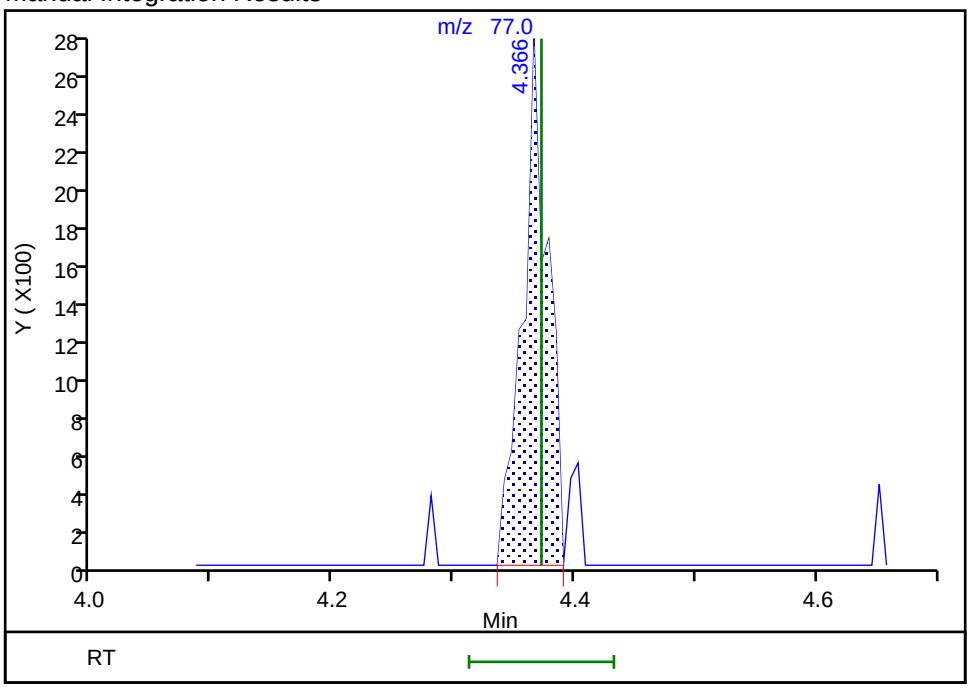
Processing Integration Results

RT: 4.37
Area: 4240
Amount: 0.468574
Amount Units: ug/L



Manual Integration Results

RT: 4.37
Area: 3884
Amount: 0.425275
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:52:28
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

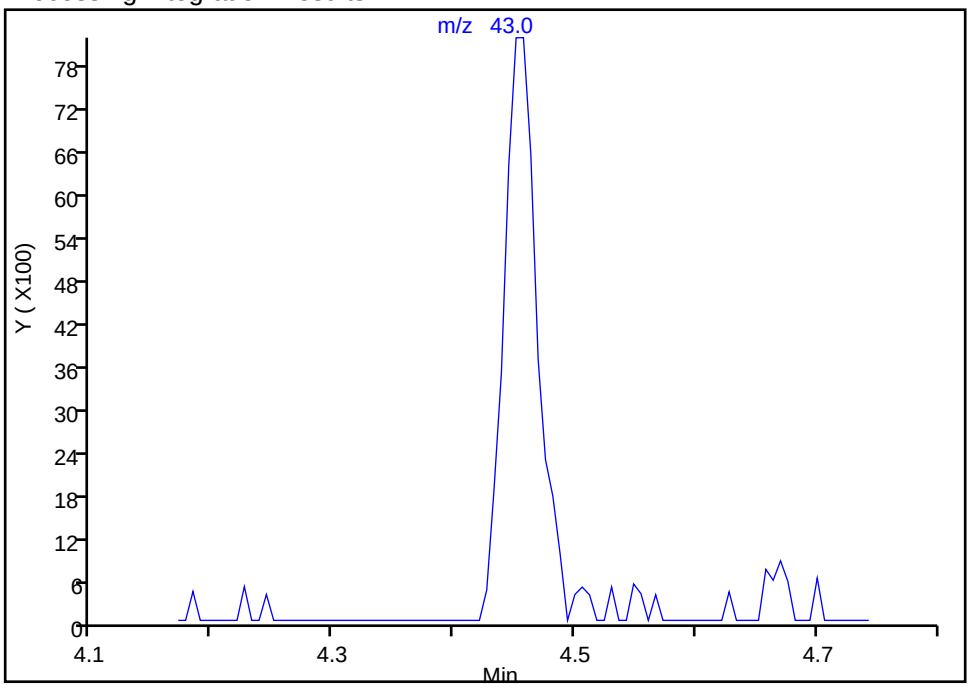
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

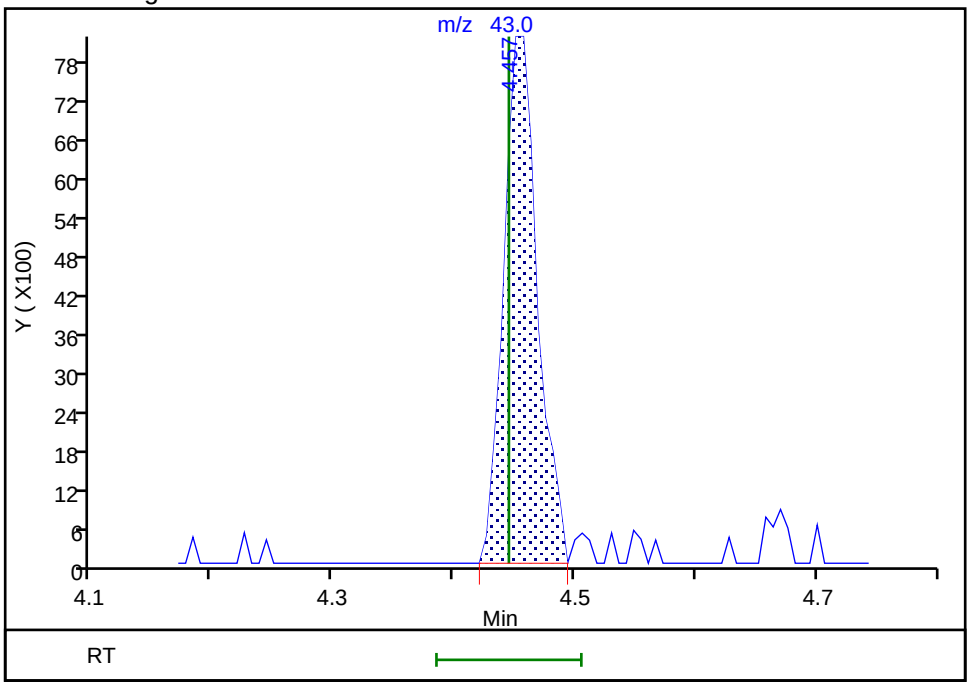
Not Detected
Expected RT: 4.45

Processing Integration Results



Manual Integration Results

RT: 4.46
Area: 15803
Amount: 2.497218
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:52:42
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

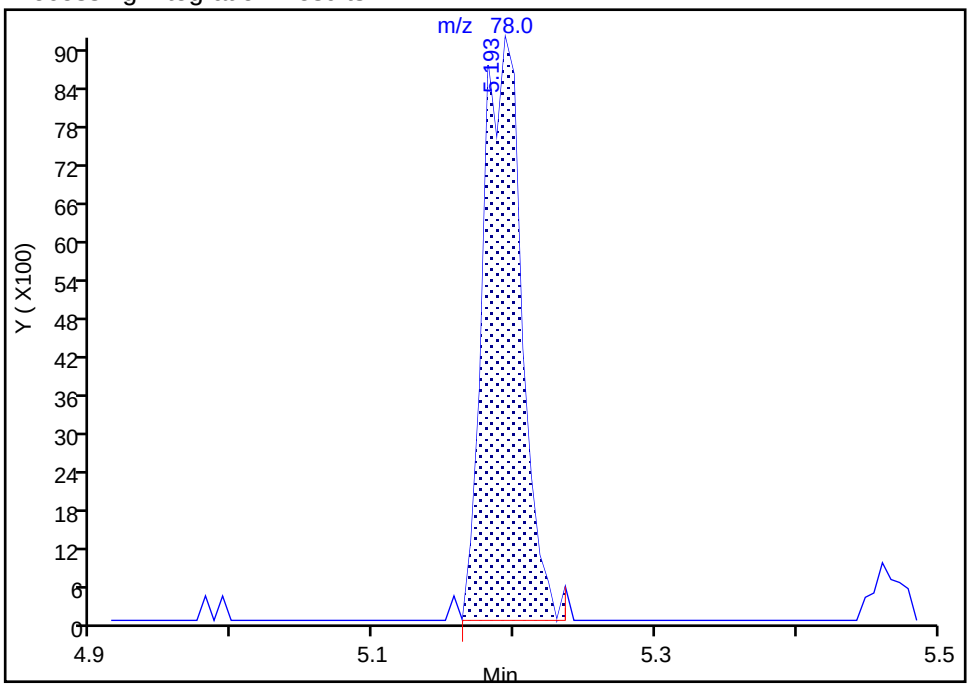
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

57 Benzene, CAS: 71-43-2

Signal: 1

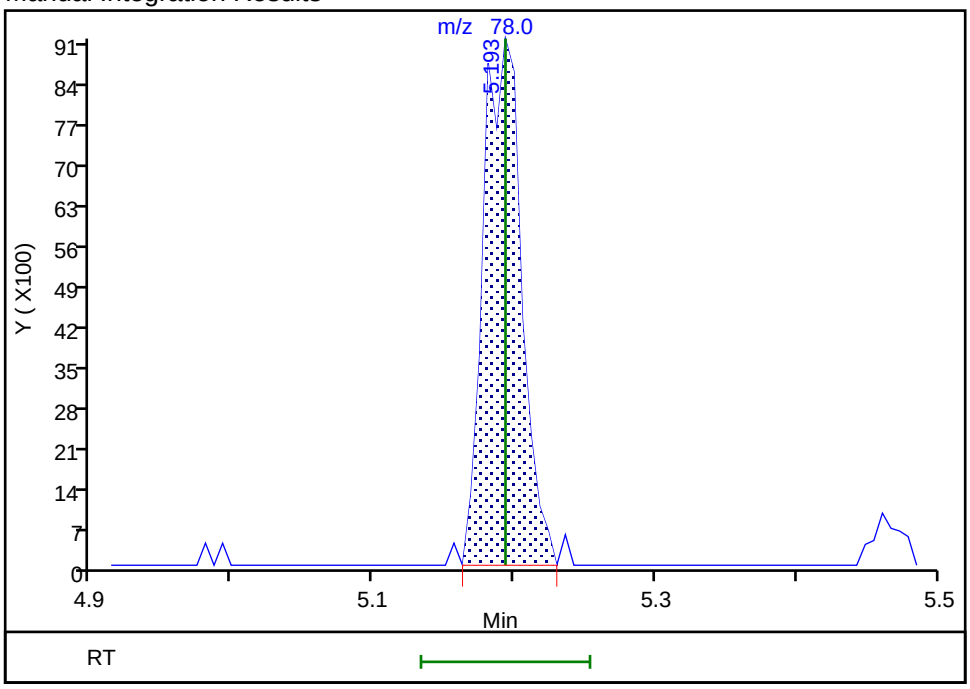
Processing Integration Results

RT: 5.19
Area: 17286
Amount: 0.442922
Amount Units: ug/L



Manual Integration Results

RT: 5.19
Area: 17093
Amount: 0.438519
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:53:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

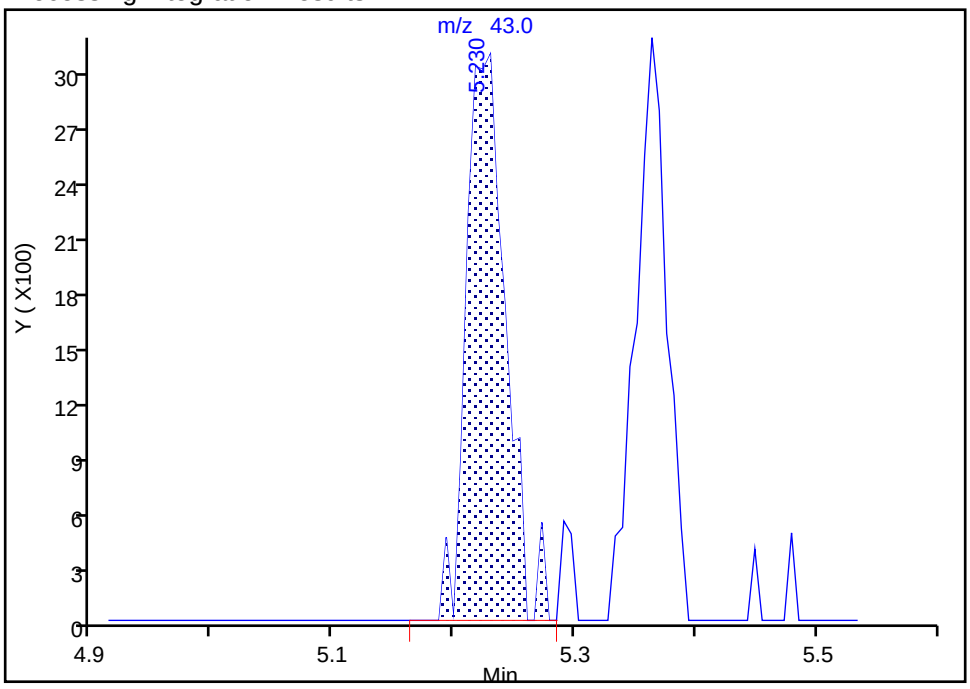
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

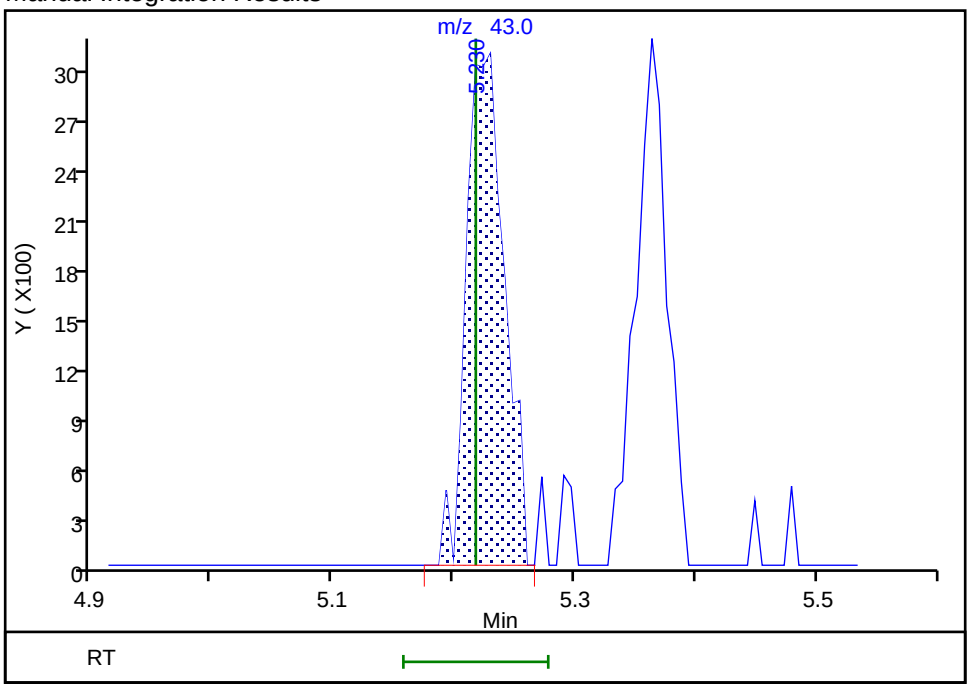
Processing Integration Results

RT: 5.23
Area: 7013
Amount: 11.474483
Amount Units: ug/L



Manual Integration Results

RT: 5.23
Area: 6817
Amount: 11.127181
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:53:11
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

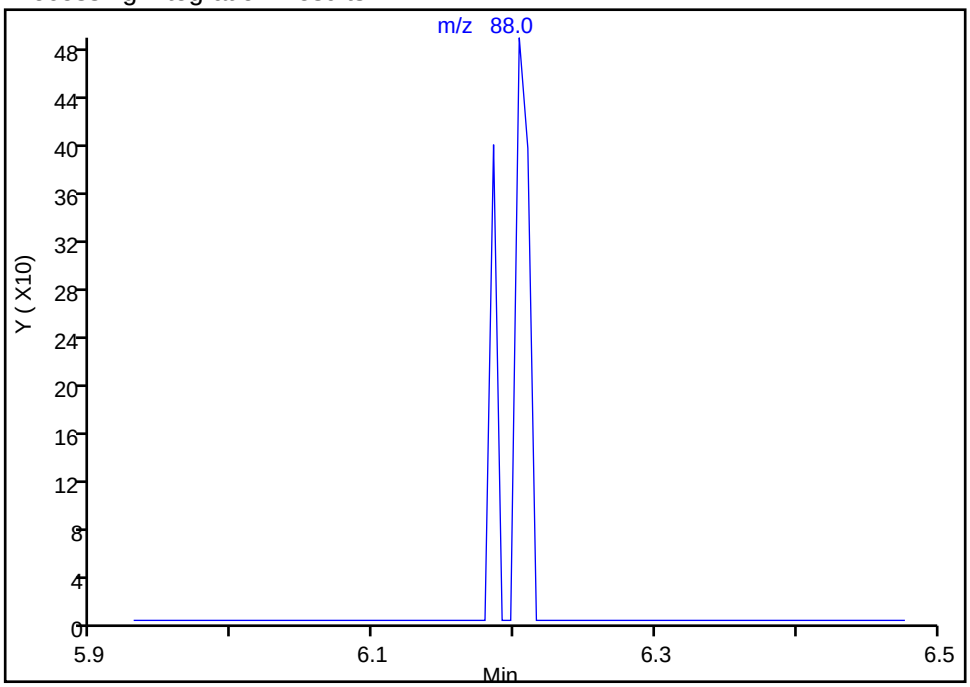
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

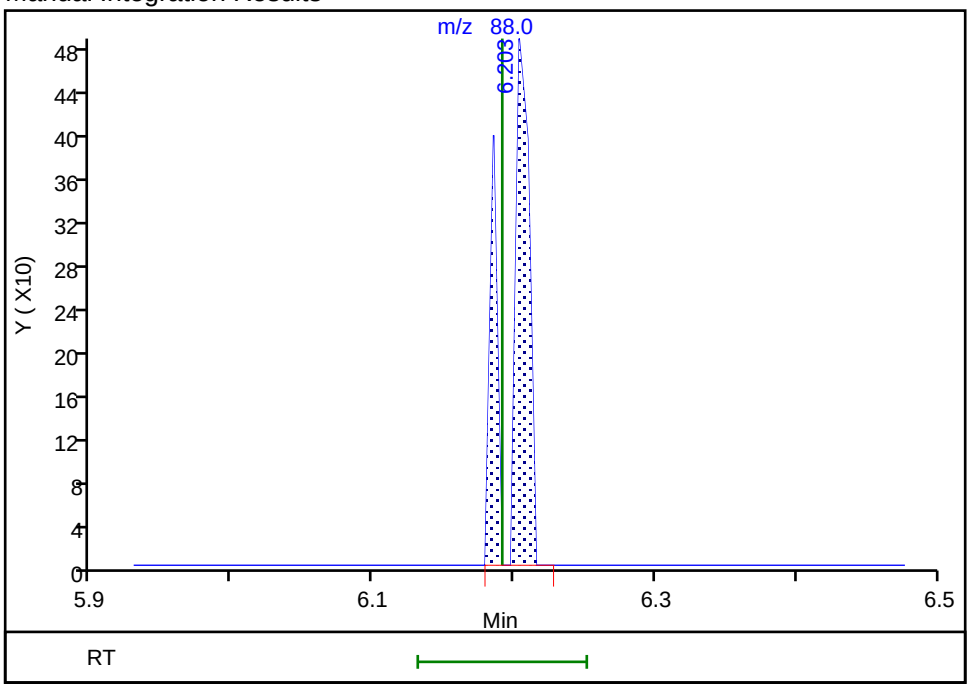
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.20
Area: 465
Amount: 3.053924
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:53:25
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

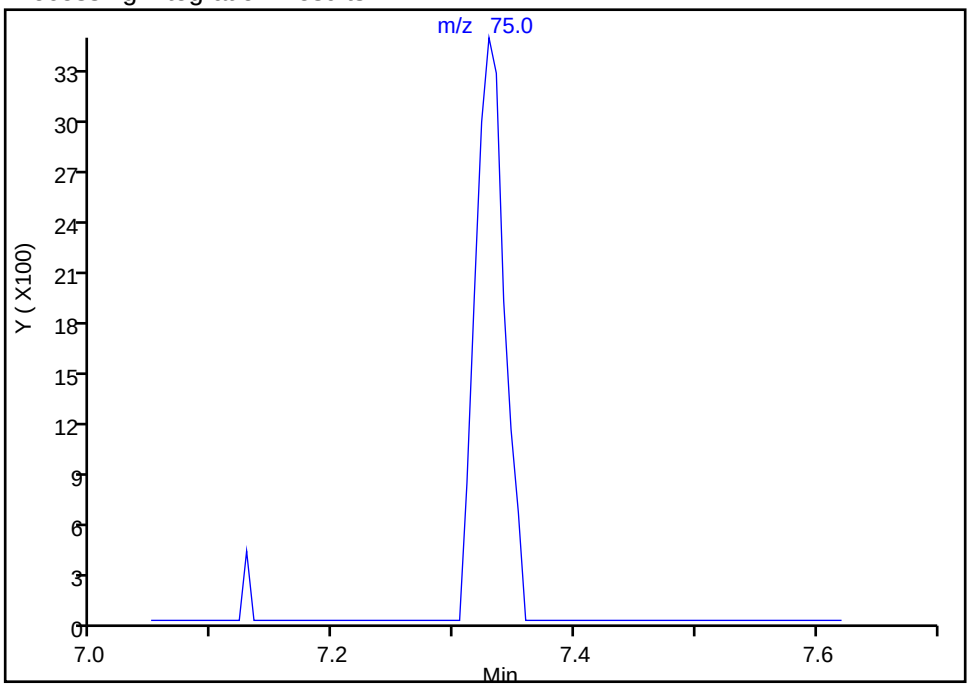
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

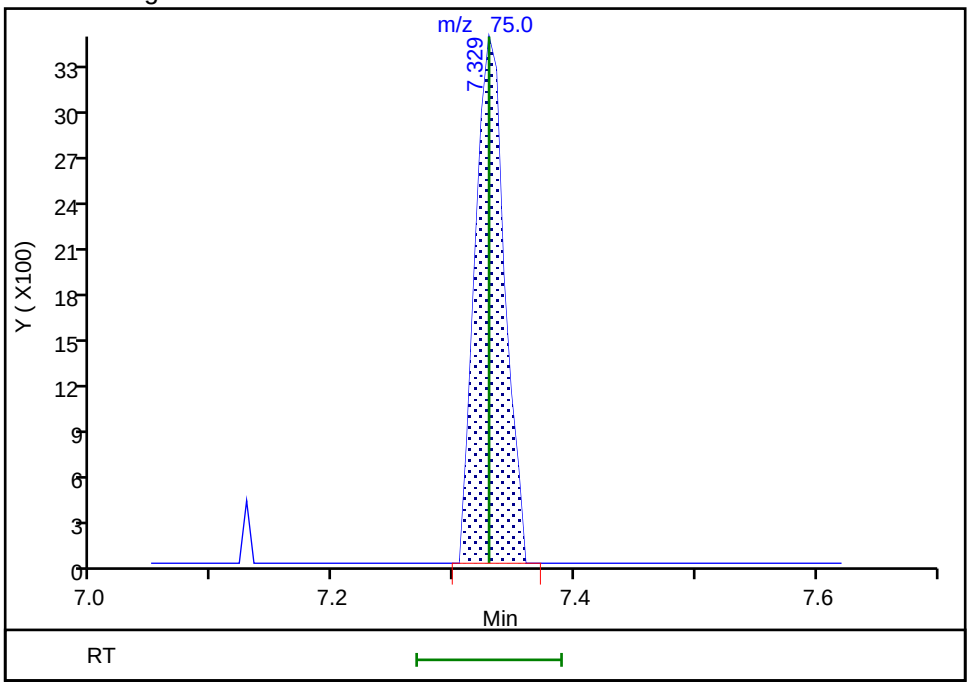
Not Detected
Expected RT: 7.33

Processing Integration Results



Manual Integration Results

RT: 7.33
Area: 5895
Amount: 0.445307
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:53:39
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

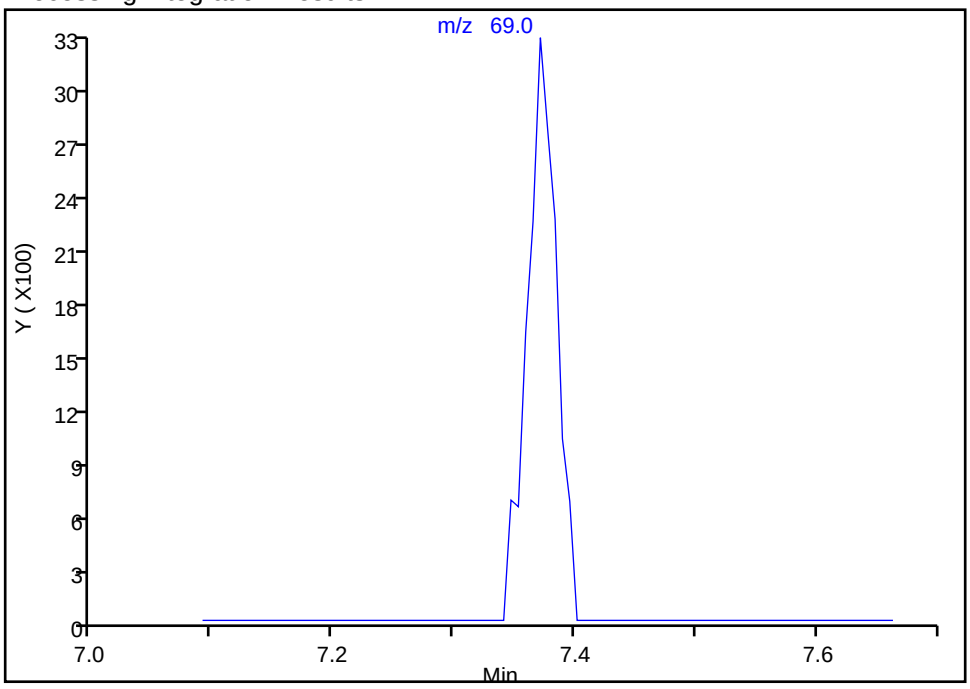
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

75 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

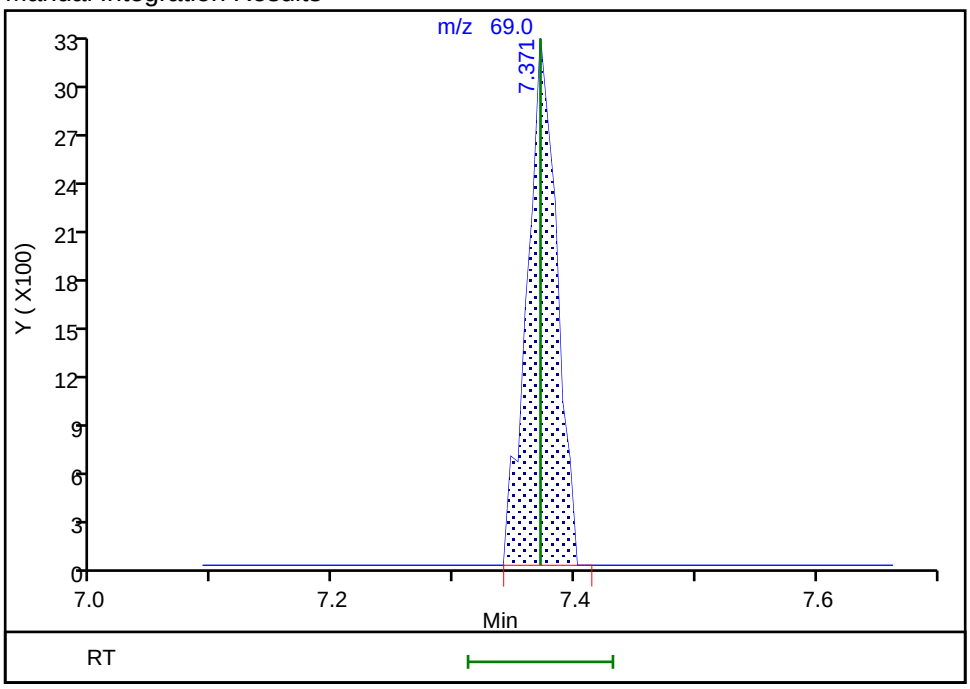
Not Detected
Expected RT: 7.37

Processing Integration Results



Manual Integration Results

RT: 7.37
Area: 5408
Amount: 0.459040
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:53:44
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

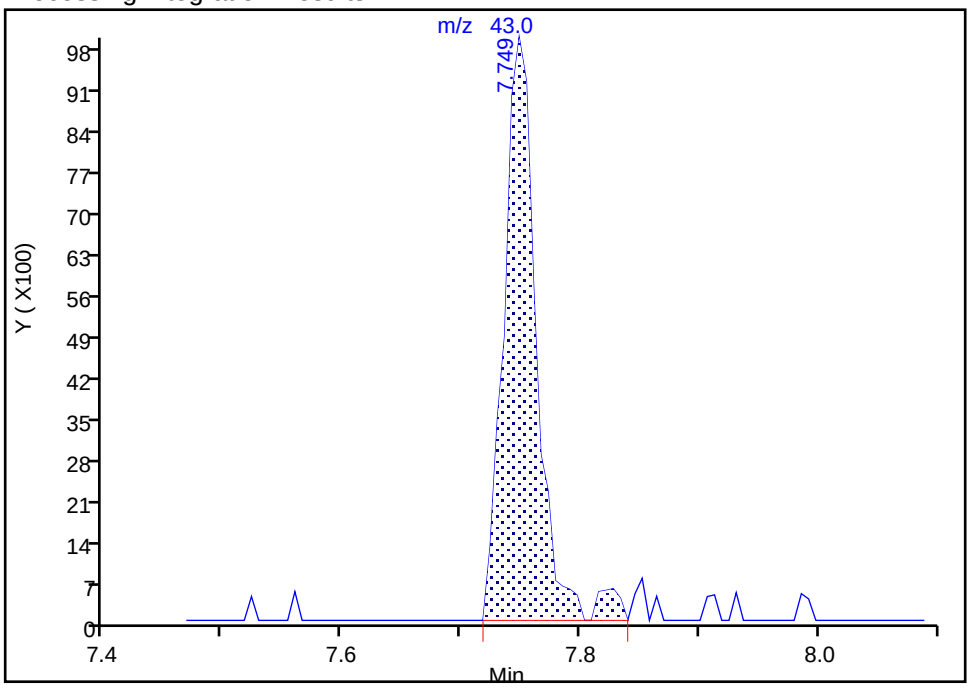
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

80 2-Hexanone, CAS: 591-78-6

Signal: 1

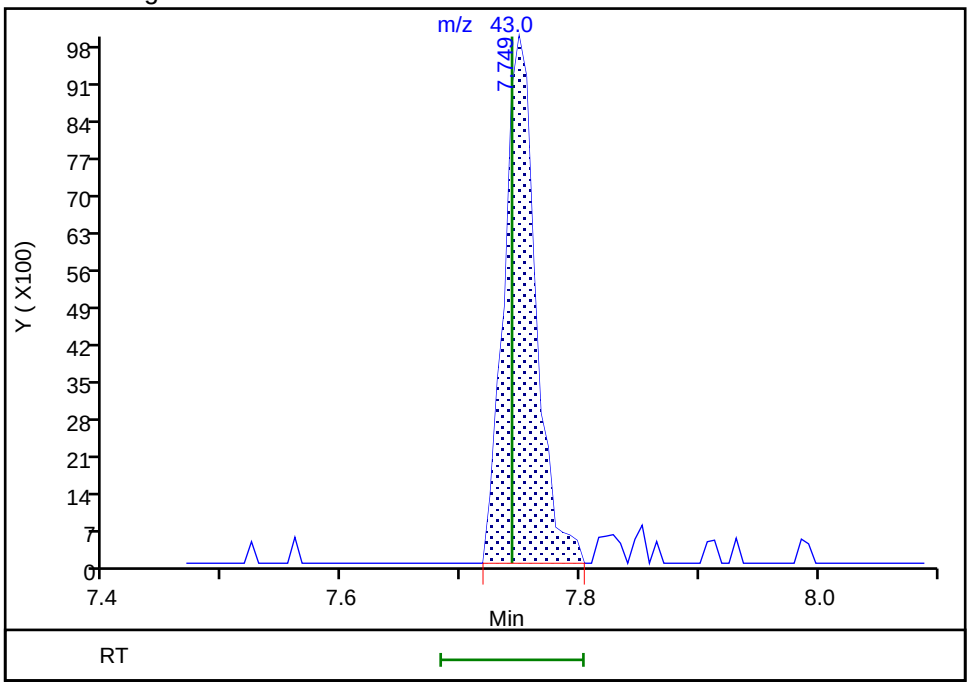
Processing Integration Results

RT: 7.75
Area: 19098
Amount: 2.330041
Amount Units: ug/L



Manual Integration Results

RT: 7.75
Area: 18401
Amount: 2.252761
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:53:54
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

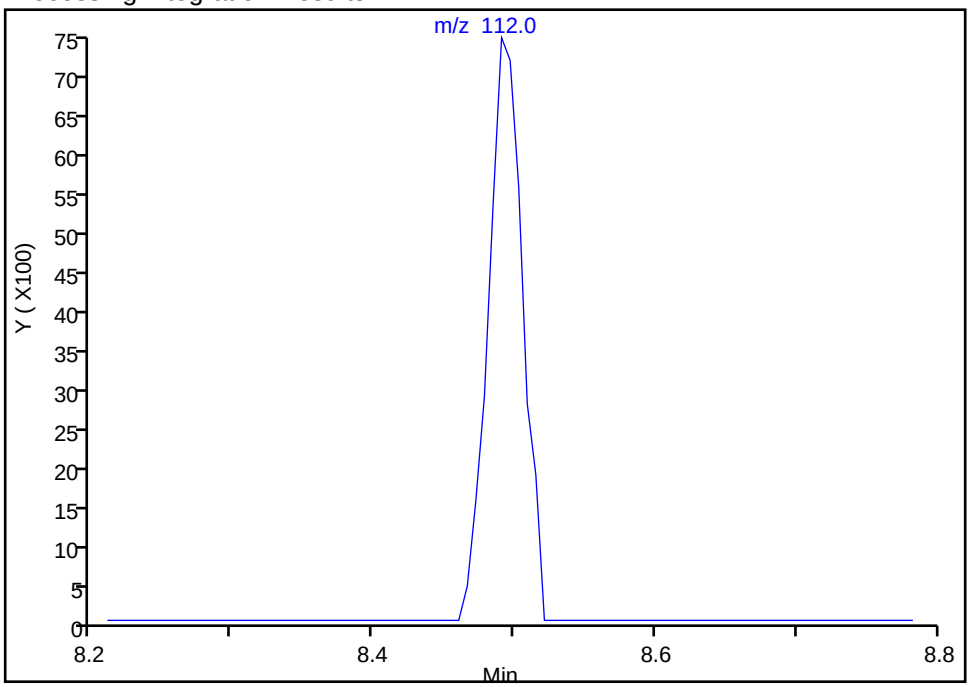
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2843.D
Injection Date: 26-Mar-2019 14:45:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

87 Chlorobenzene, CAS: 108-90-7

Signal: 1

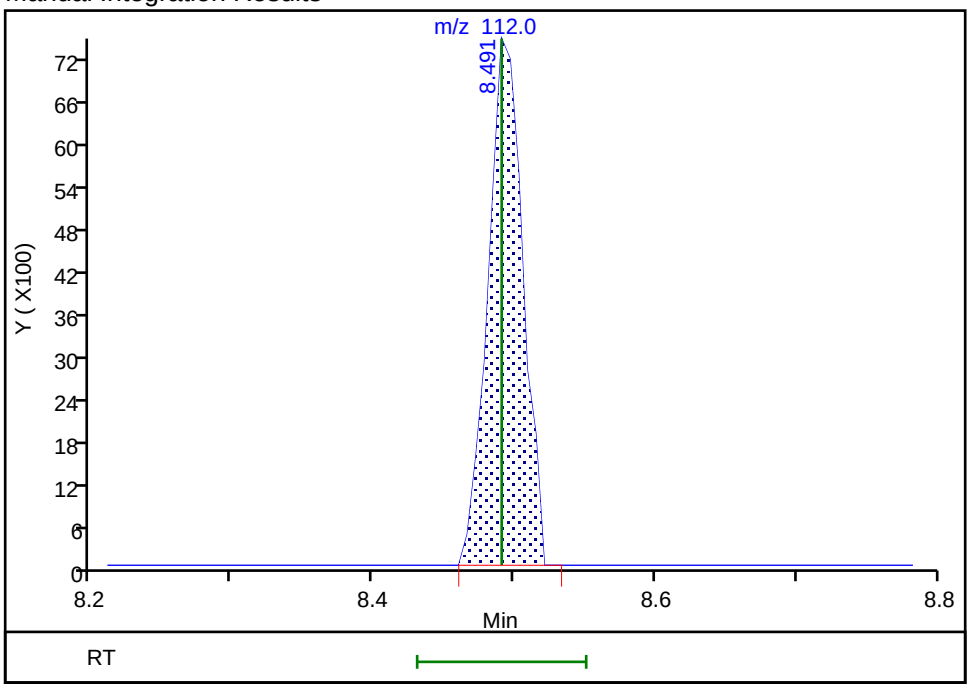
Not Detected
Expected RT: 8.49

Processing Integration Results



Manual Integration Results

RT: 8.49
Area: 12682
Amount: 0.466176
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:54:01
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

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

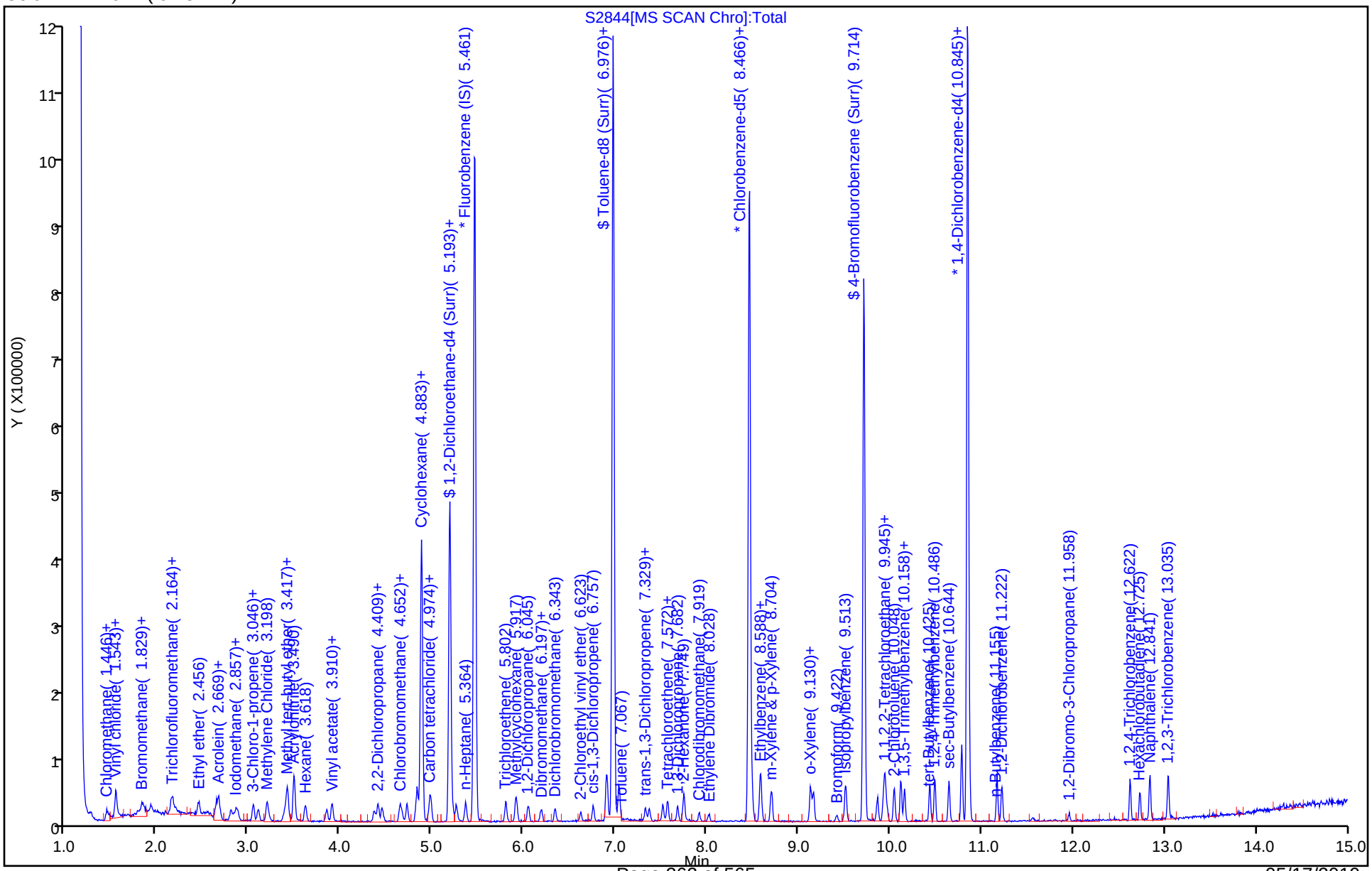
Report Date: 28-Mar-2019 12:18:22 Chrom Revision: 2.3 24-Mar-2019 20:11:04

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)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

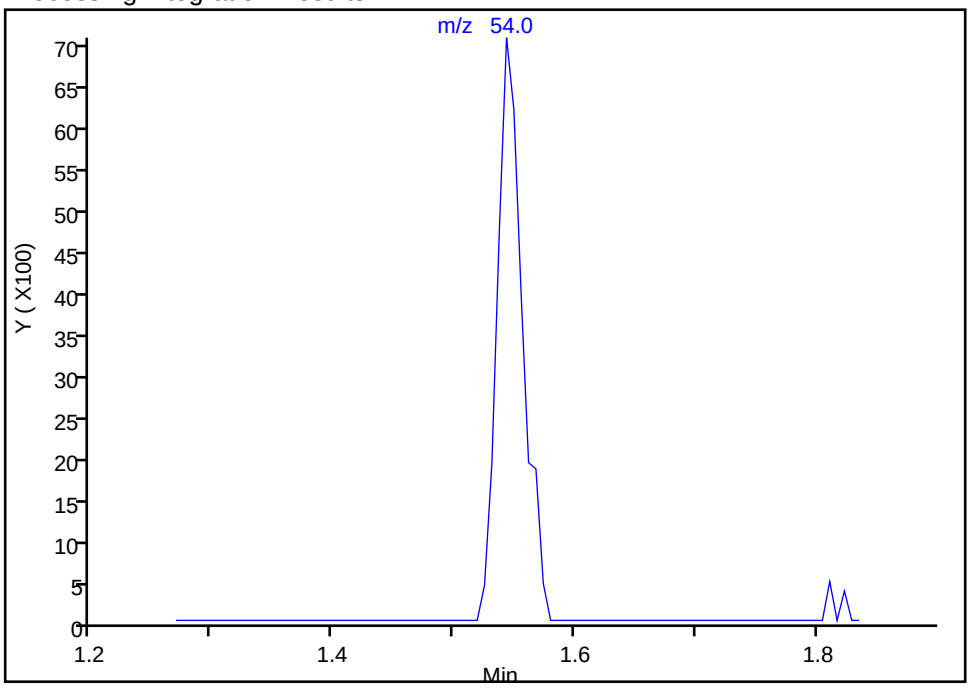
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

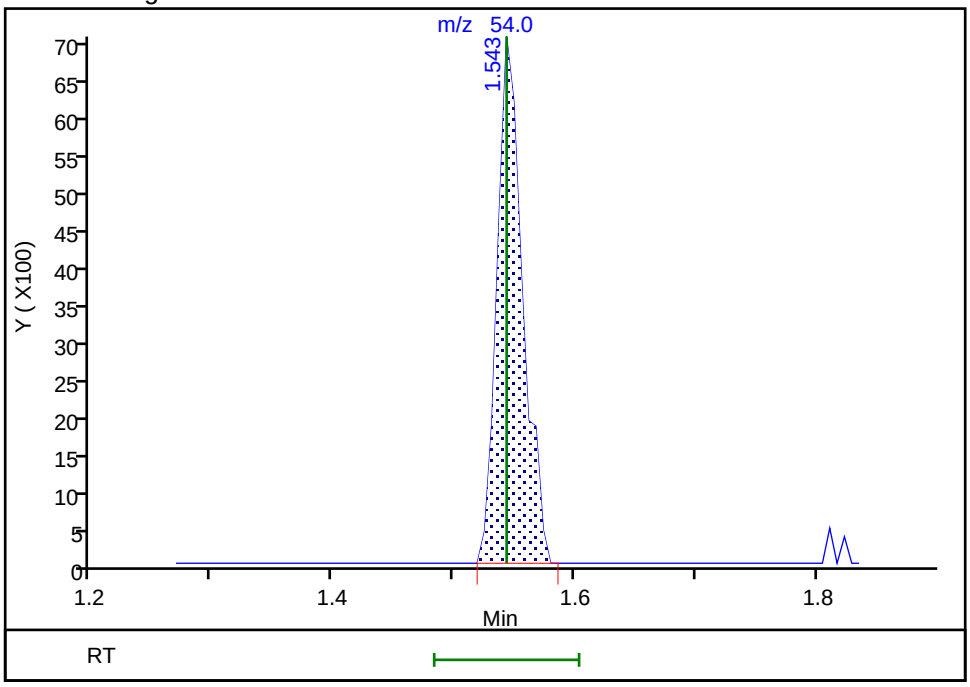
Not Detected
Expected RT: 1.54

Processing Integration Results



Manual Integration Results

RT: 1.54
Area: 10378
Amount: 1.026990
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:55:17
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

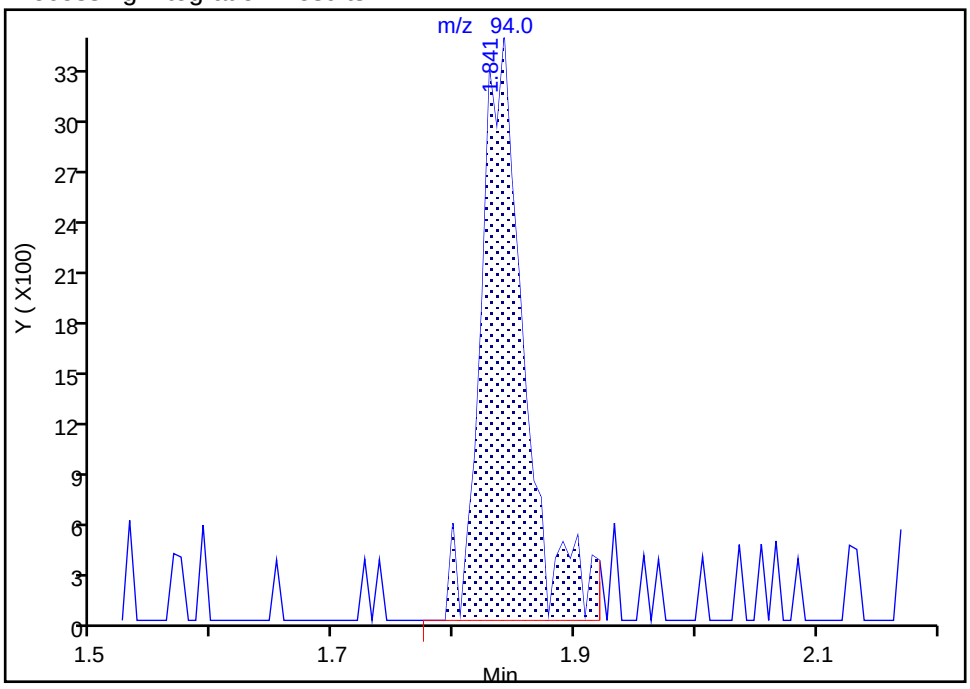
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

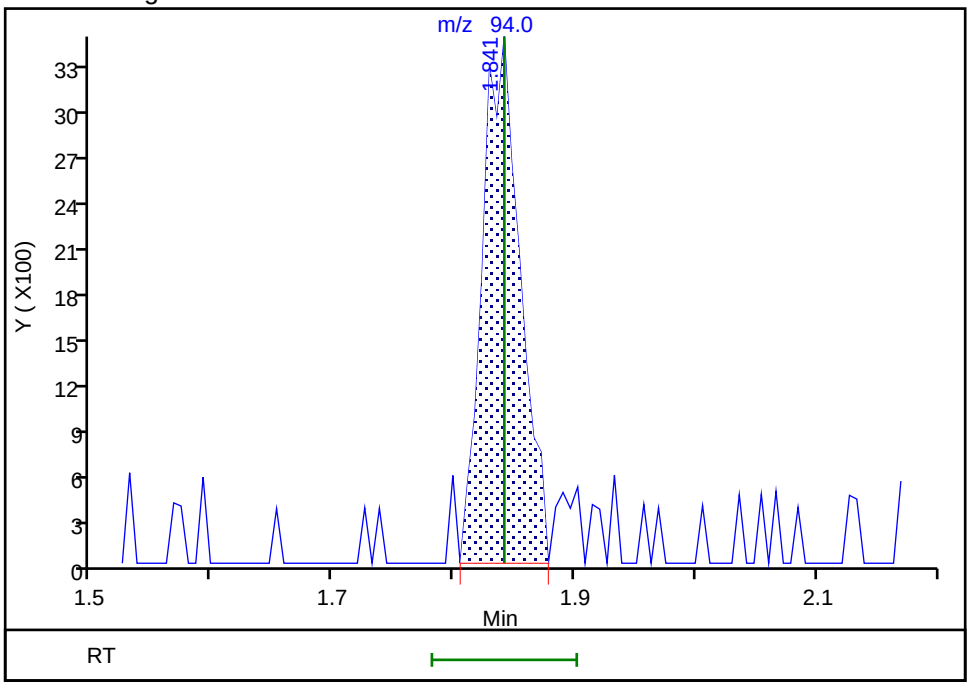
Processing Integration Results

RT: 1.84
Area: 8732
Amount: 1.149857
Amount Units: ug/L



Manual Integration Results

RT: 1.84
Area: 7619
Amount: 1.067344
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:55:26
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

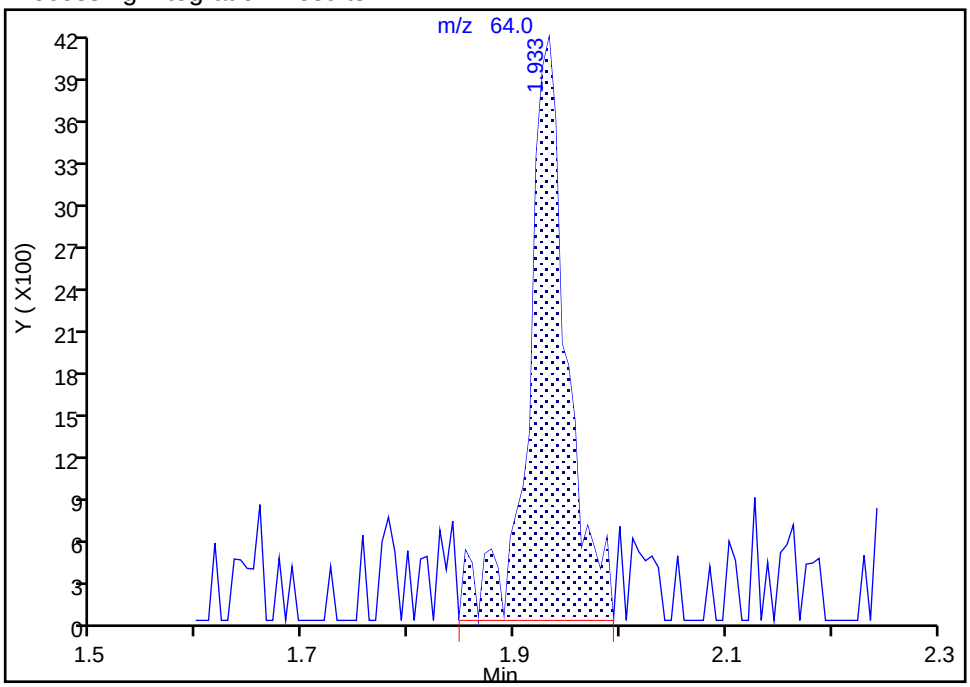
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

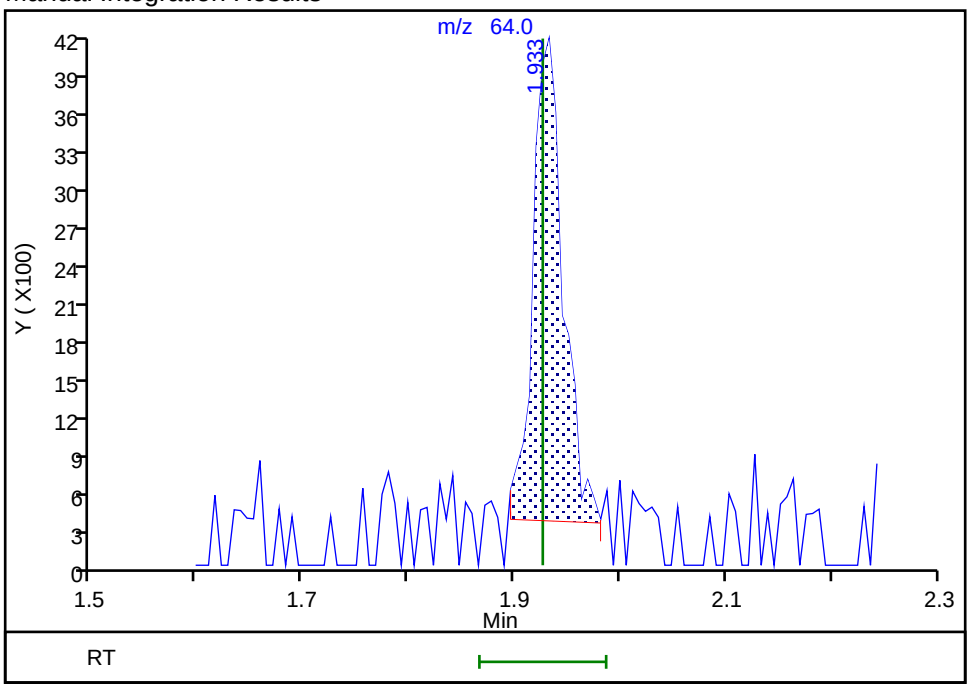
Processing Integration Results

RT: 1.93
Area: 10470
Amount: 1.102172
Amount Units: ug/L



Manual Integration Results

RT: 1.93
Area: 7535
Amount: 1.085157
Amount Units: ug/L



Reviewer: HillL, 28-Mar-2019 11:36:04
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

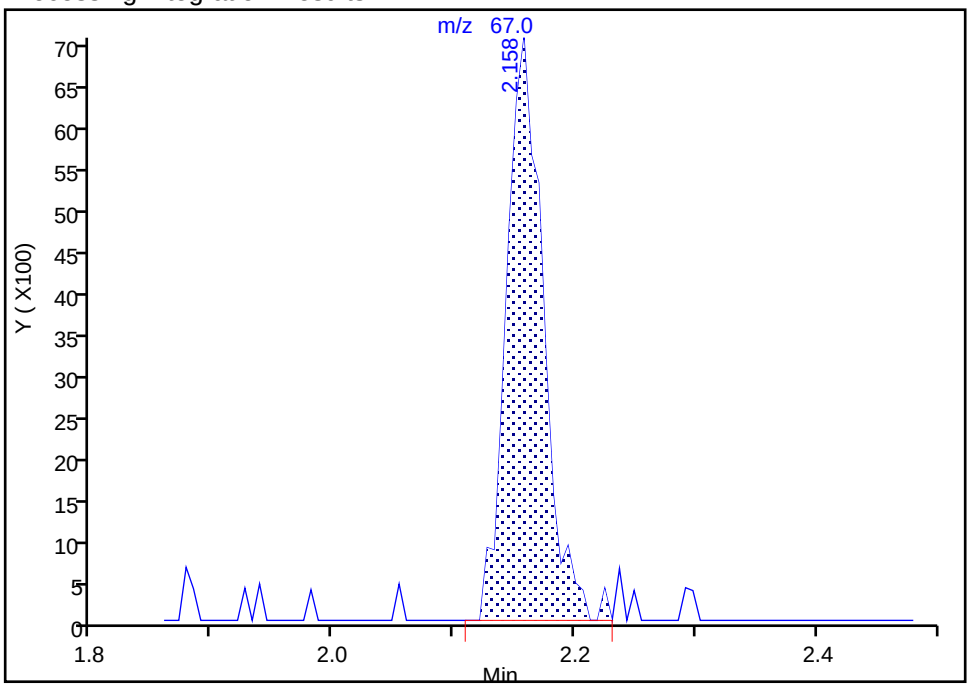
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

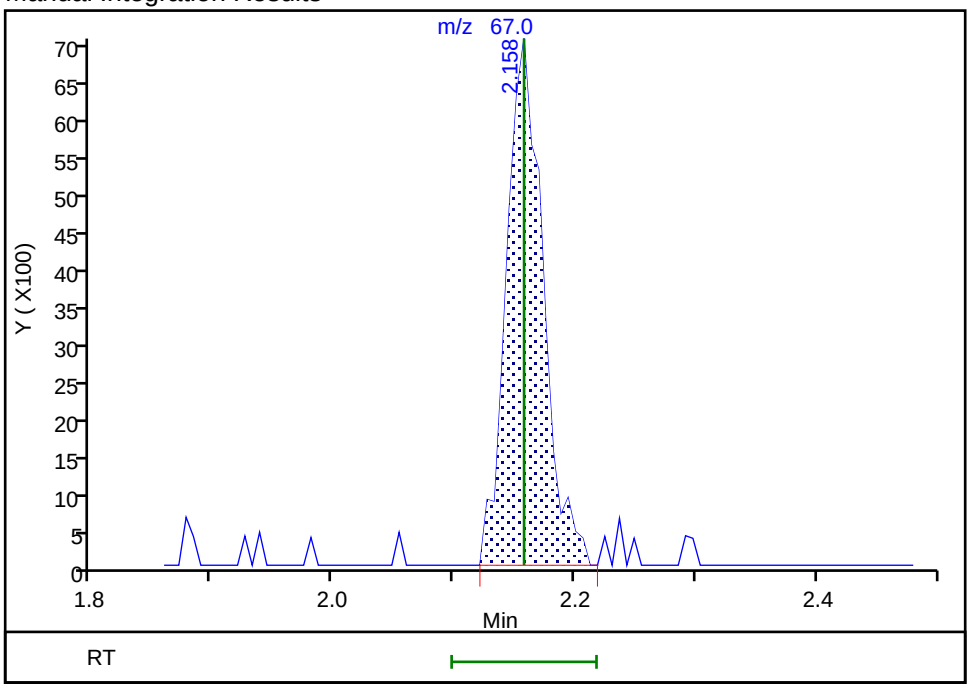
Processing Integration Results

RT: 2.16
Area: 14841
Amount: 0.986702
Amount Units: ug/L



Manual Integration Results

RT: 2.16
Area: 14702
Amount: 0.978149
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:55:50
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

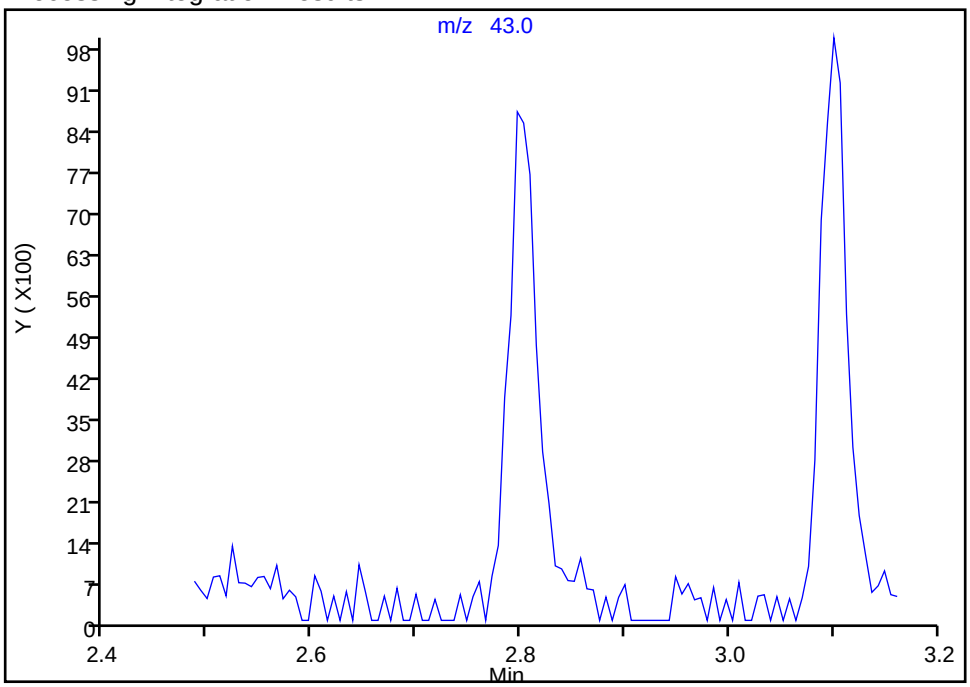
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

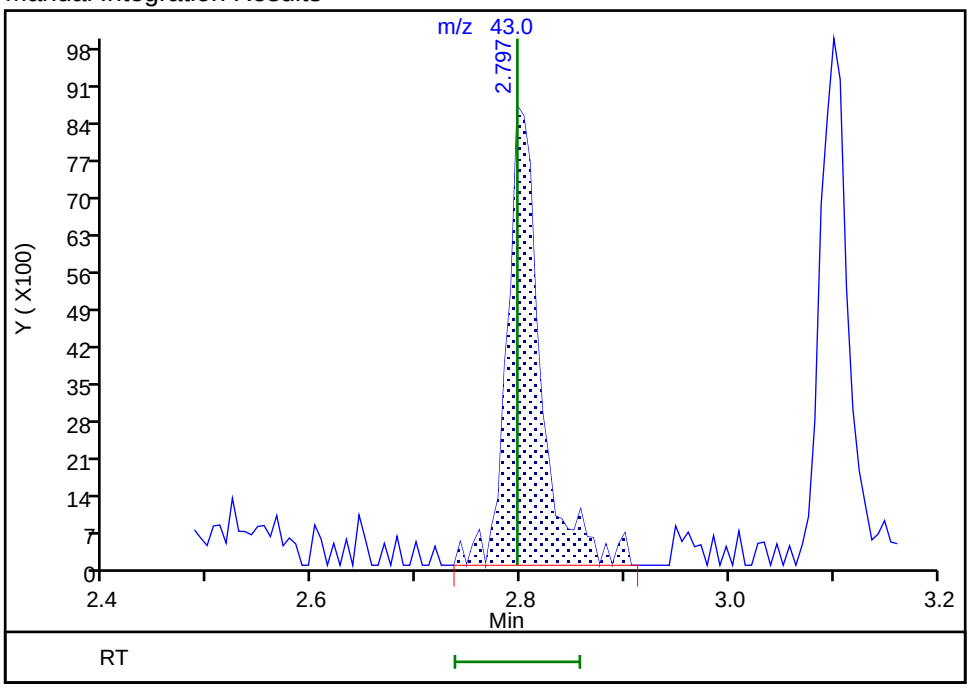
Not Detected
Expected RT: 2.80

Processing Integration Results



Manual Integration Results

RT: 2.80
Area: 19565
Amount: 4.808775
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:56:02
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

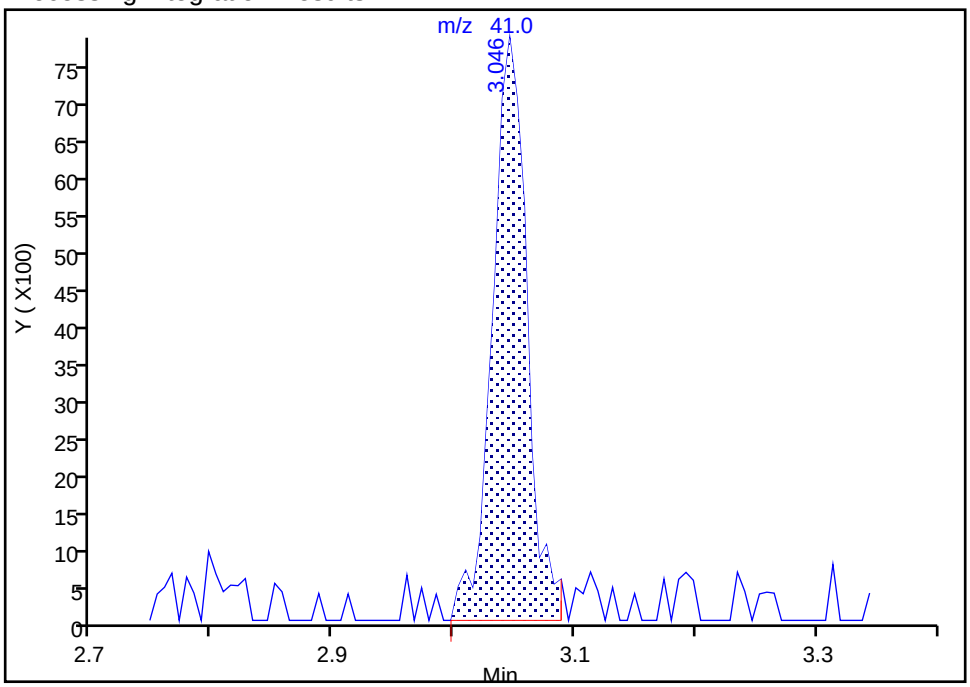
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

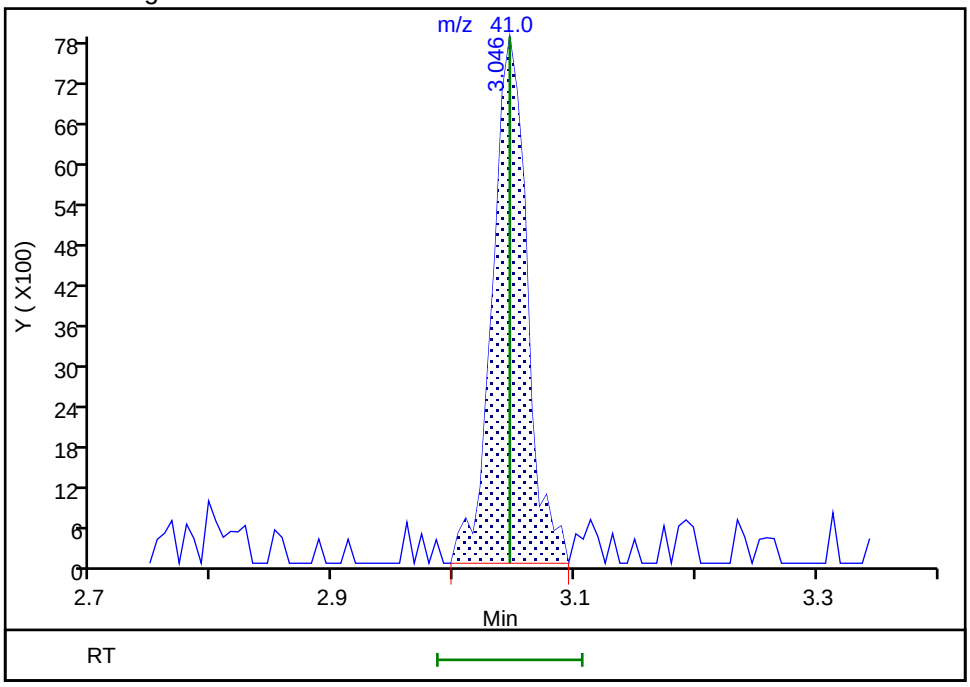
Processing Integration Results

RT: 3.05
Area: 15737
Amount: 1.093449
Amount Units: ug/L



Manual Integration Results

RT: 3.05
Area: 15737
Amount: 1.072609
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:56:12
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

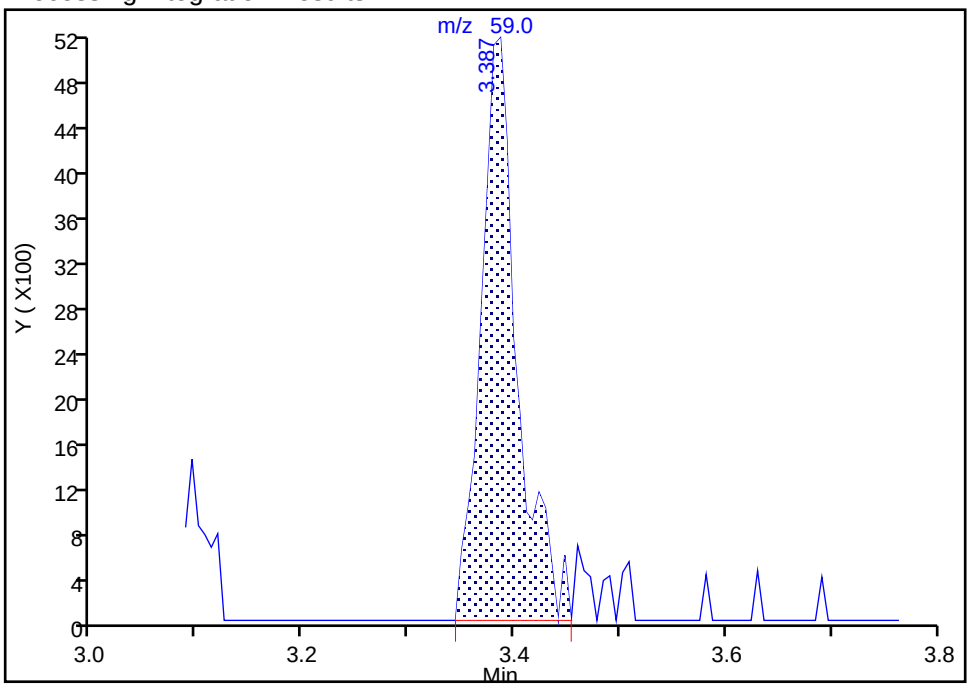
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

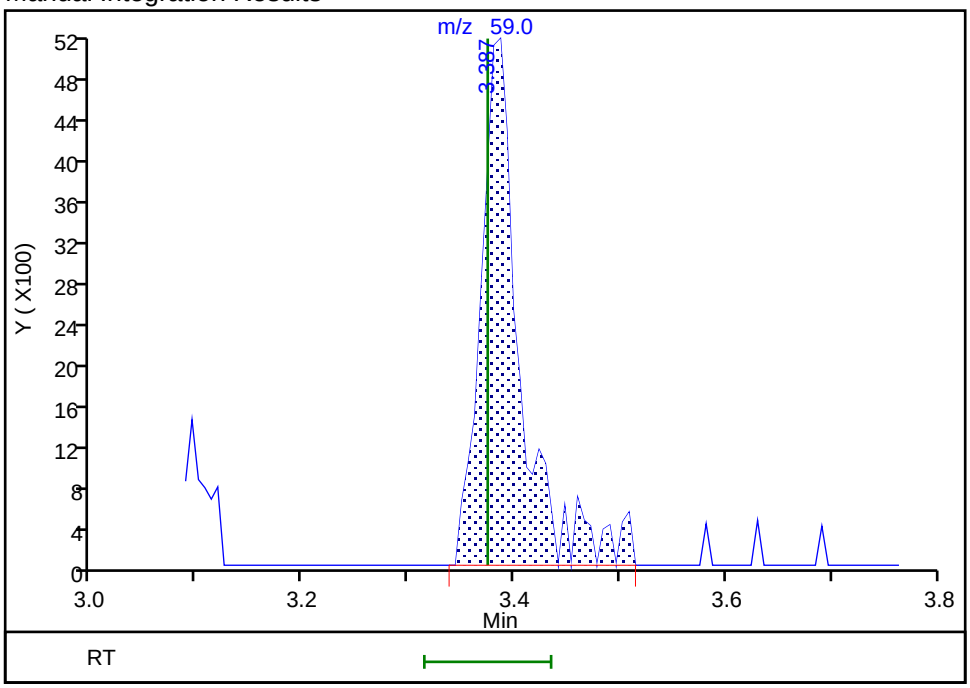
Processing Integration Results

RT: 3.39
Area: 12143
Amount: 8.073229
Amount Units: ug/L



Manual Integration Results

RT: 3.39
Area: 13293
Amount: 8.644106
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:56:22
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

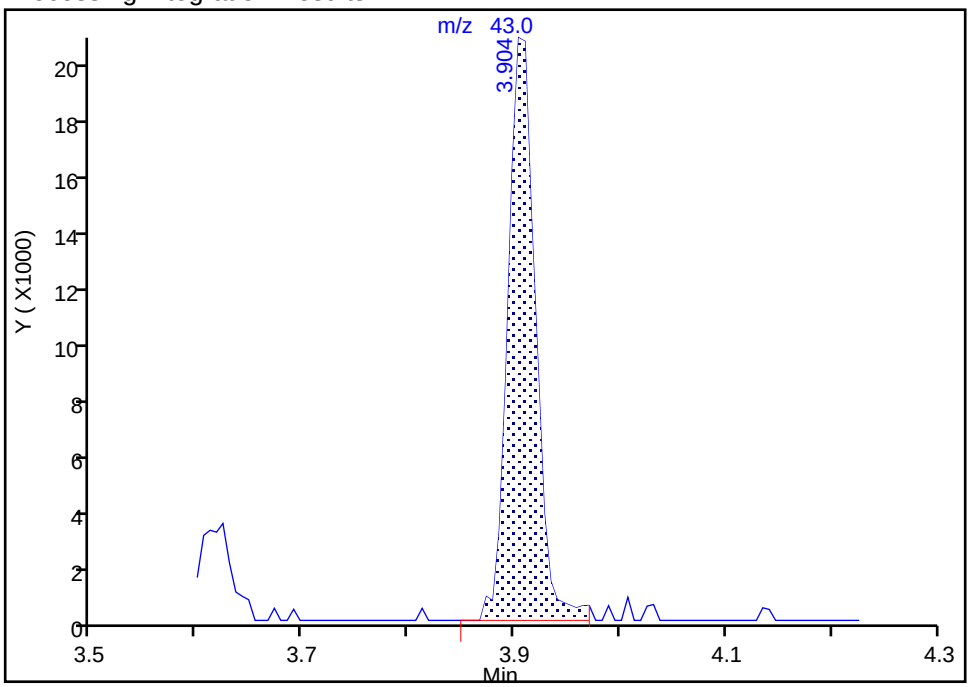
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

37 Vinyl acetate, CAS: 108-05-4

Signal: 1

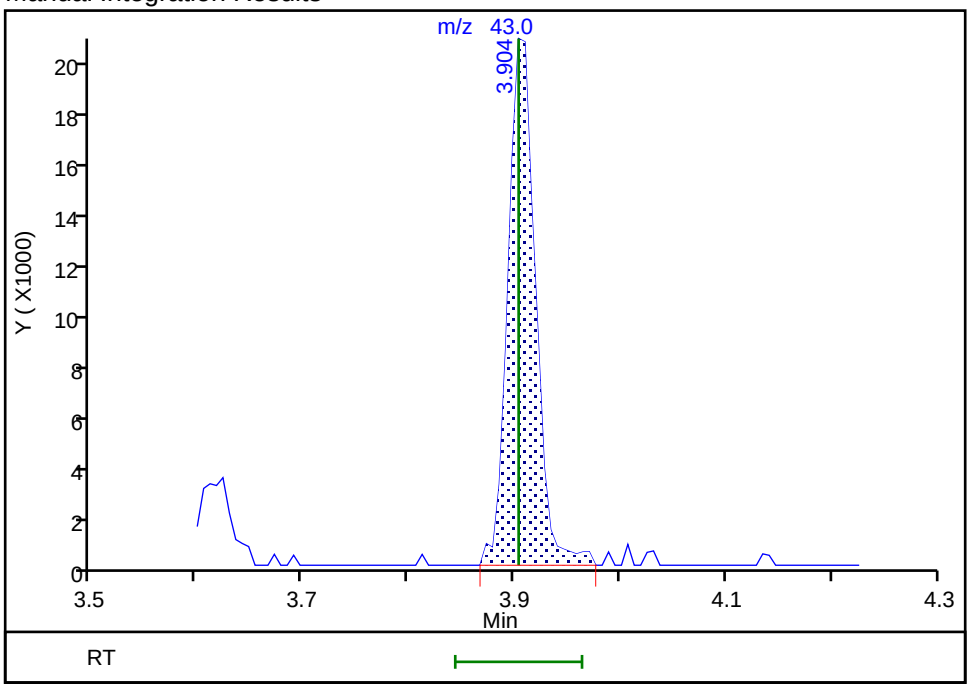
Processing Integration Results

RT: 3.90
Area: 36360
Amount: 1.811194
Amount Units: ug/L



Manual Integration Results

RT: 3.90
Area: 36360
Amount: 1.772907
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:56:33
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

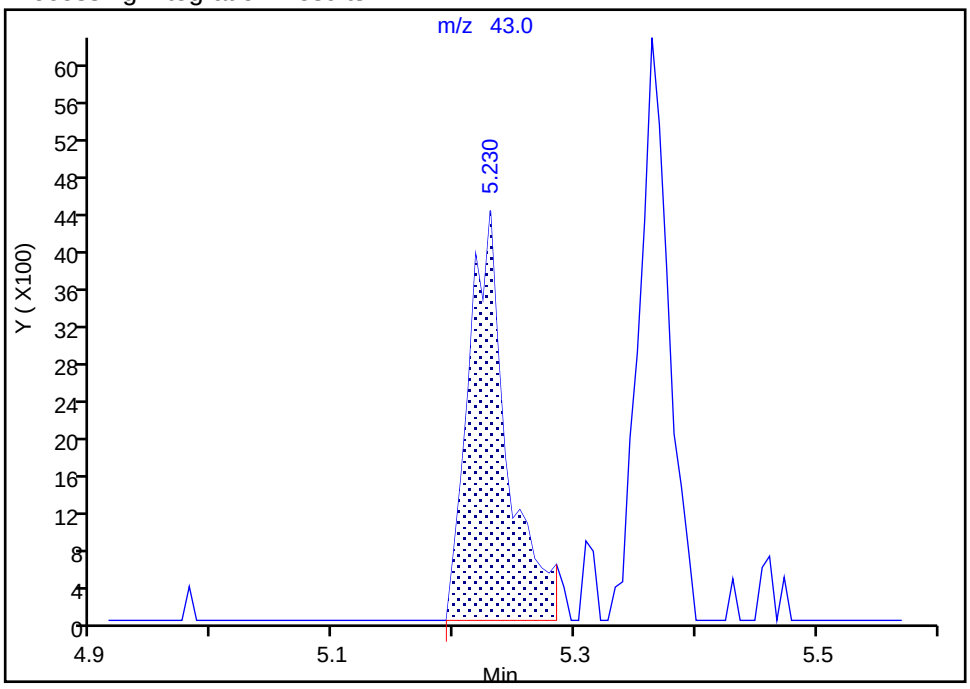
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

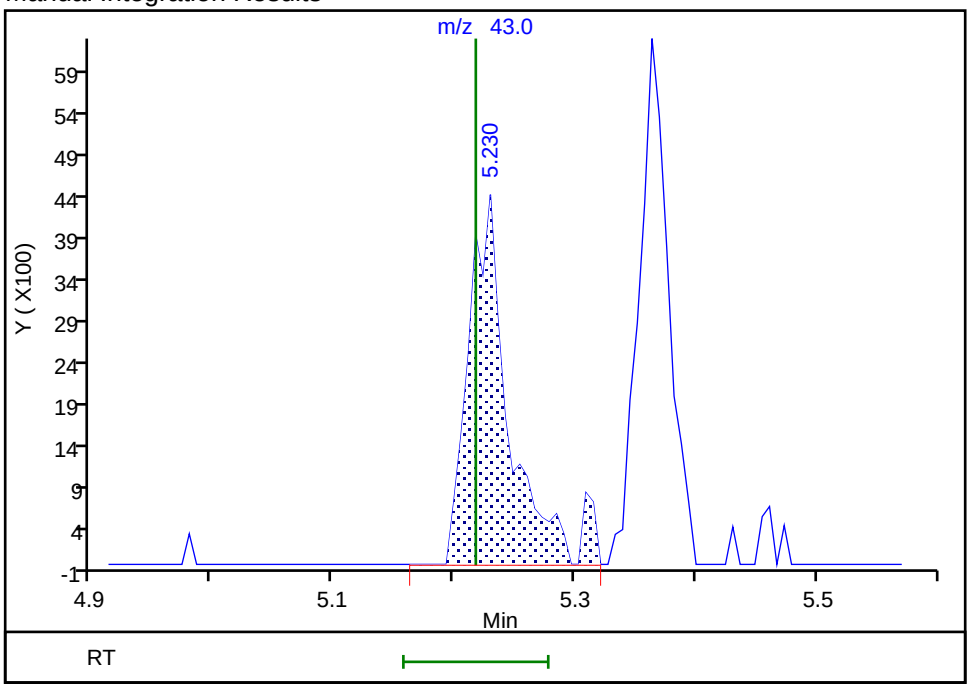
Processing Integration Results

RT: 5.23
Area: 9710
Amount: 17.662958
Amount Units: ug/L



Manual Integration Results

RT: 5.23
Area: 10517
Amount: 19.024080
Amount Units: ug/L



Reviewer: HillL, 28-Mar-2019 11:48:08
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

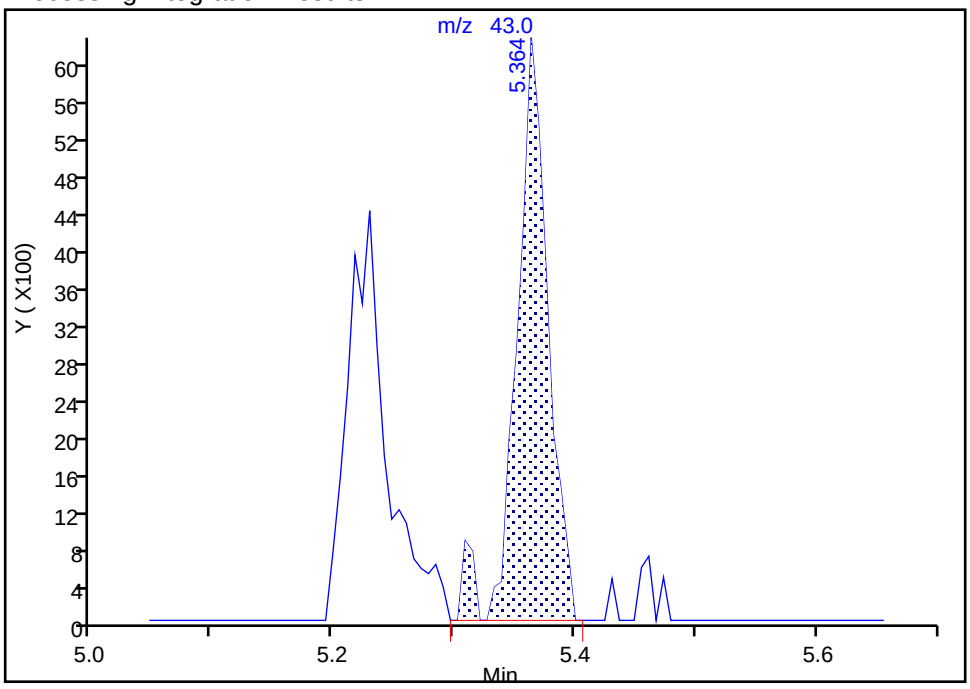
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

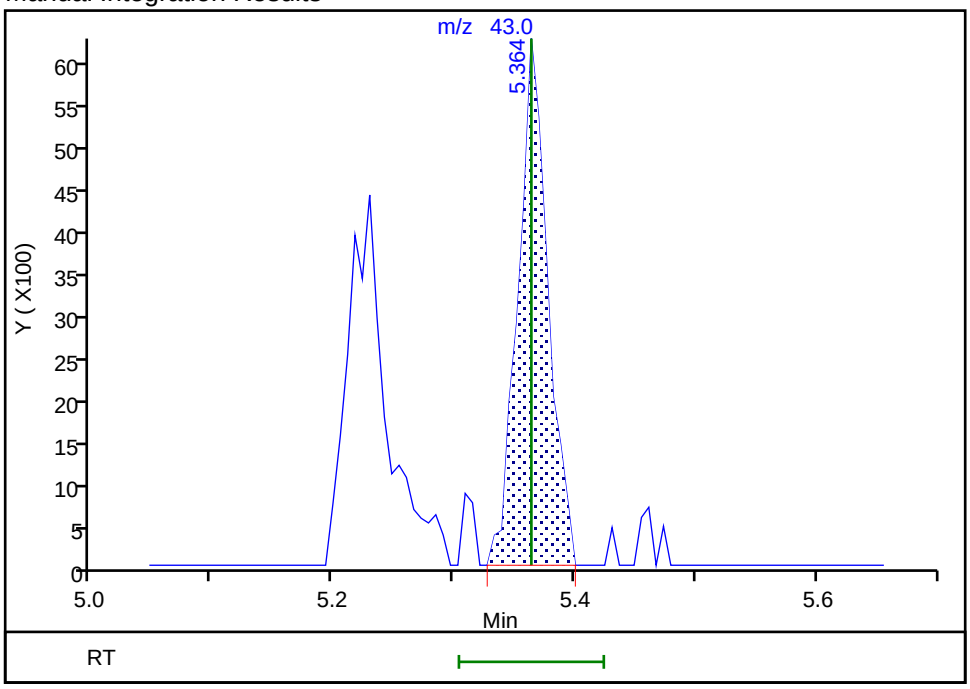
Processing Integration Results

RT: 5.36
Area: 11224
Amount: 0.969571
Amount Units: ug/L



Manual Integration Results

RT: 5.36
Area: 10647
Amount: 0.922675
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:56:58
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

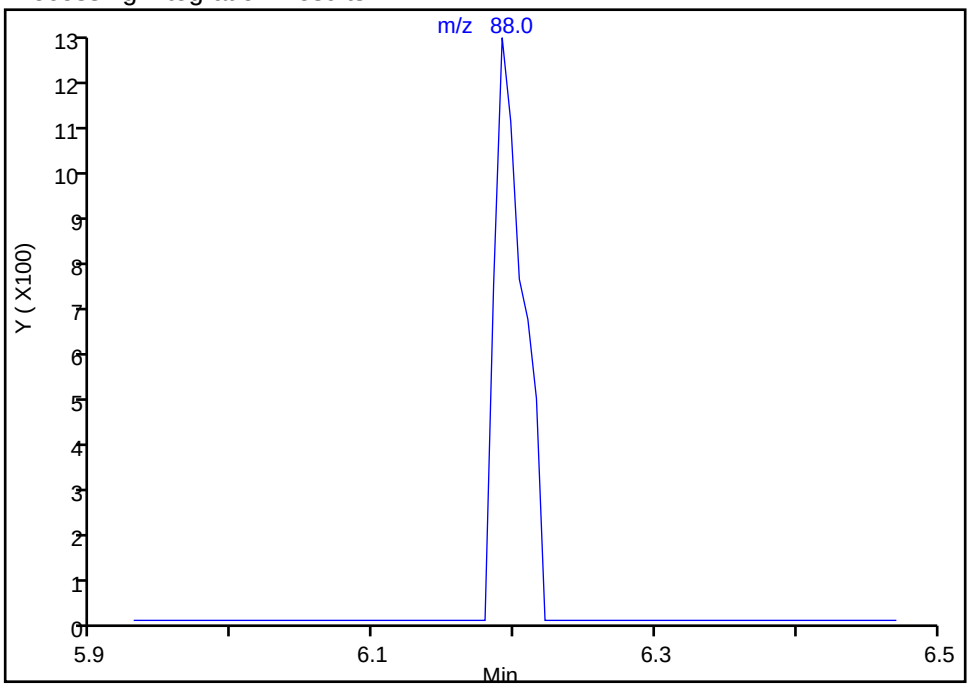
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

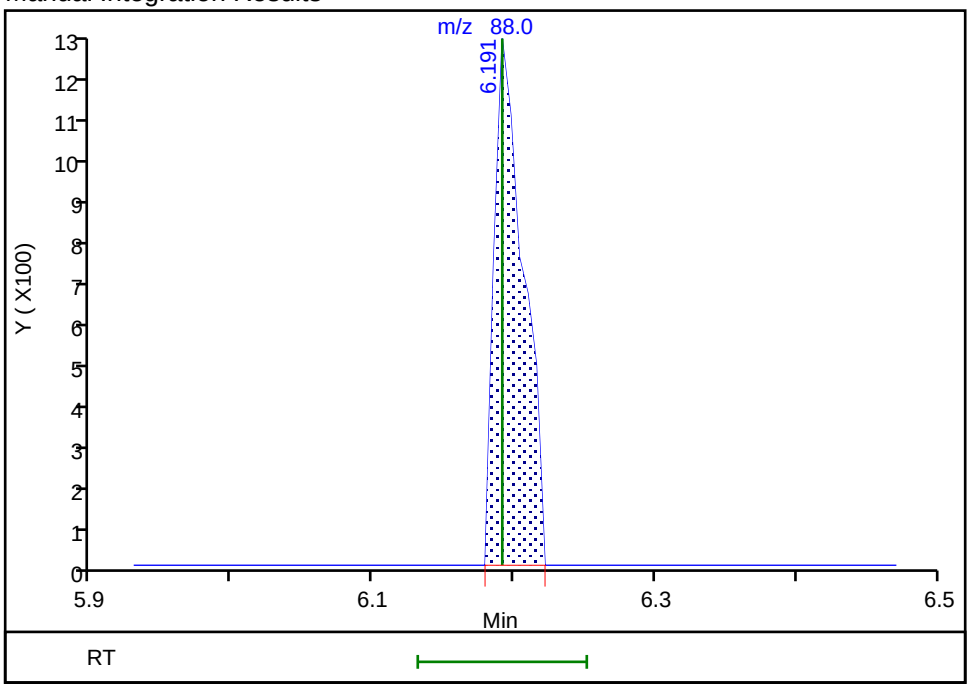
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 1776
Amount: 14.460130
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:57:04
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

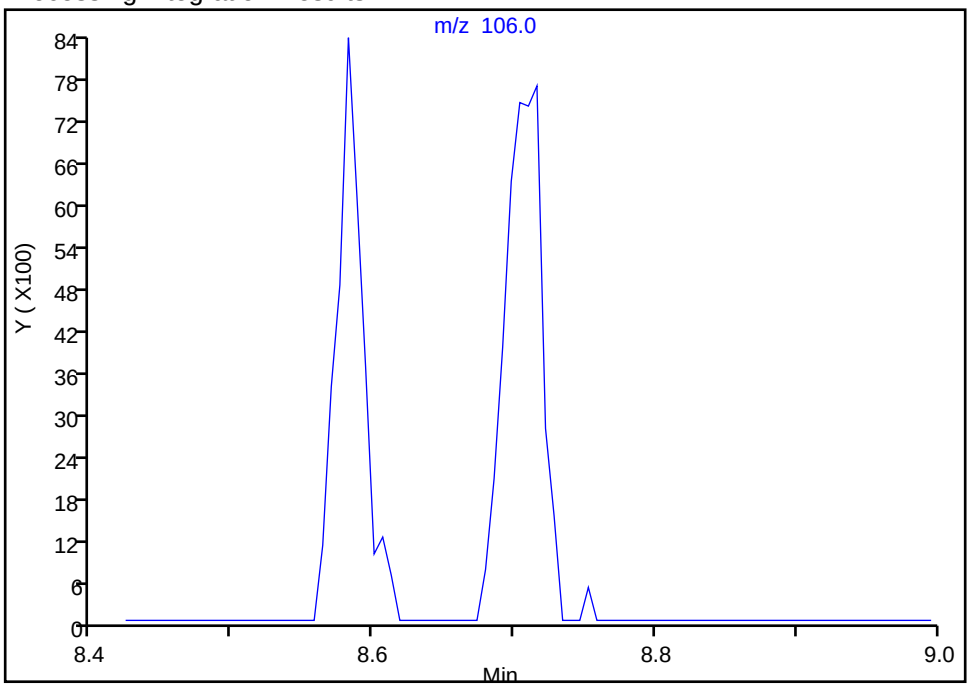
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

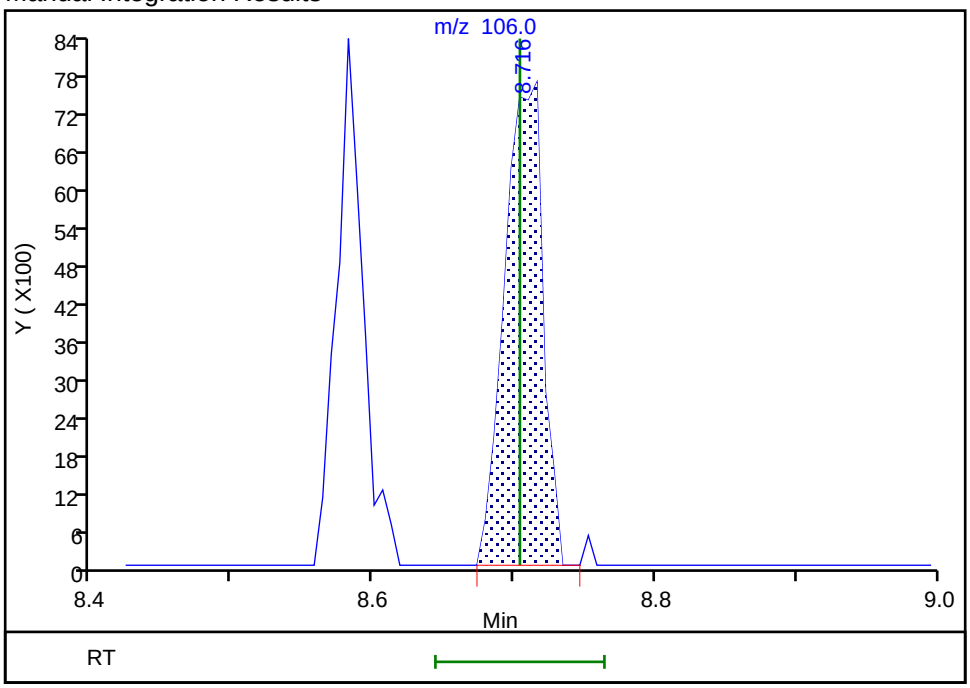
Not Detected
Expected RT: 8.70

Processing Integration Results



Manual Integration Results

RT: 8.72
Area: 14567
Amount: 0.981897
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:57:26
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

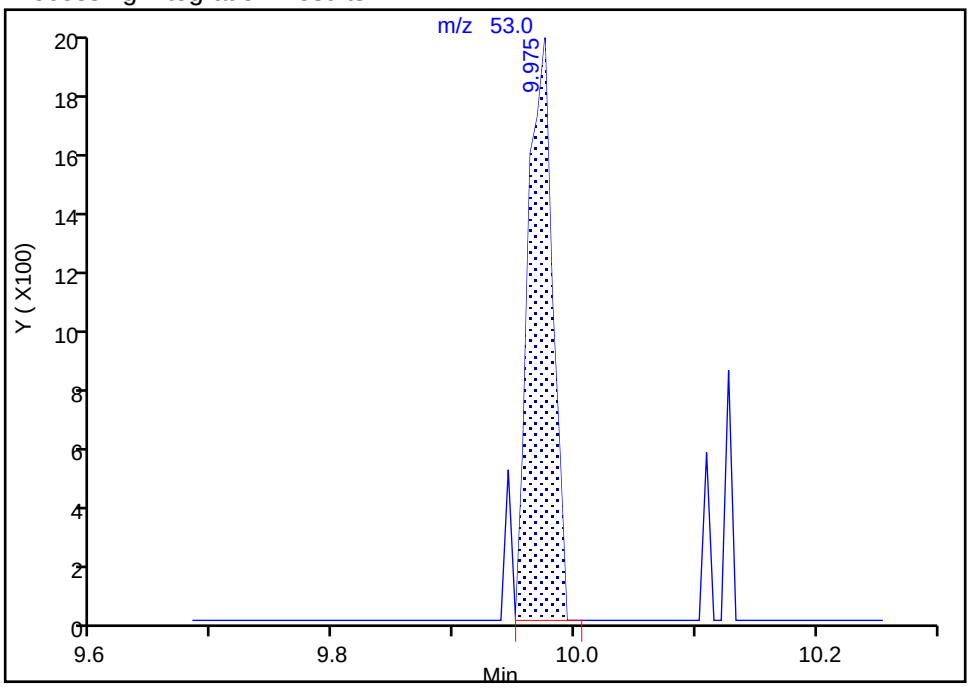
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2844.D
Injection Date: 26-Mar-2019 15:08:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

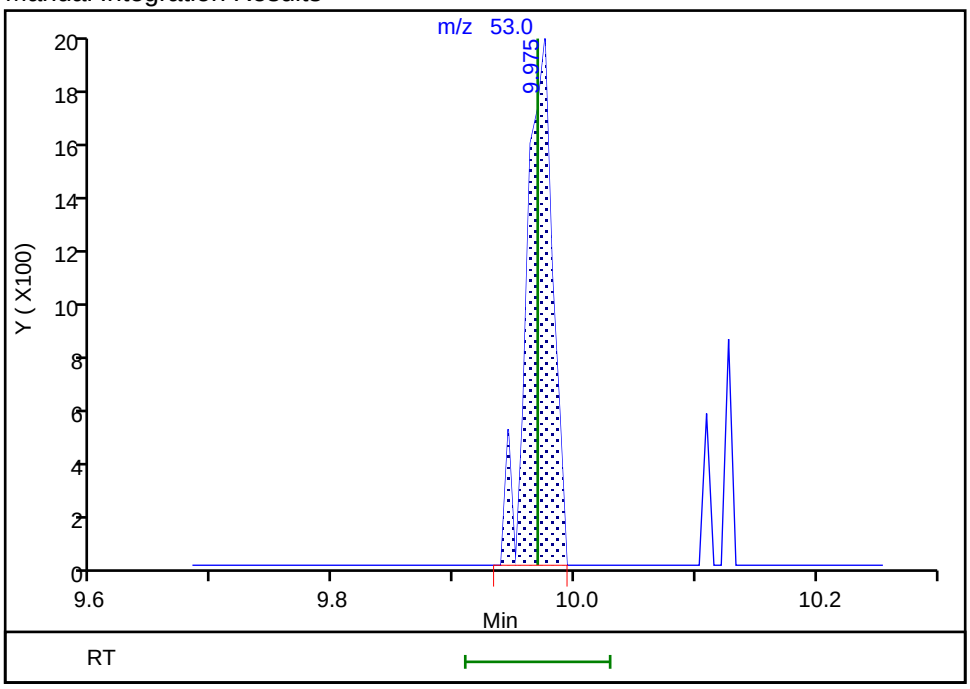
Processing Integration Results

RT: 9.98
Area: 2766
Amount: 0.815424
Amount Units: ug/L



Manual Integration Results

RT: 9.98
Area: 2953
Amount: 0.864594
Amount Units: ug/L



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

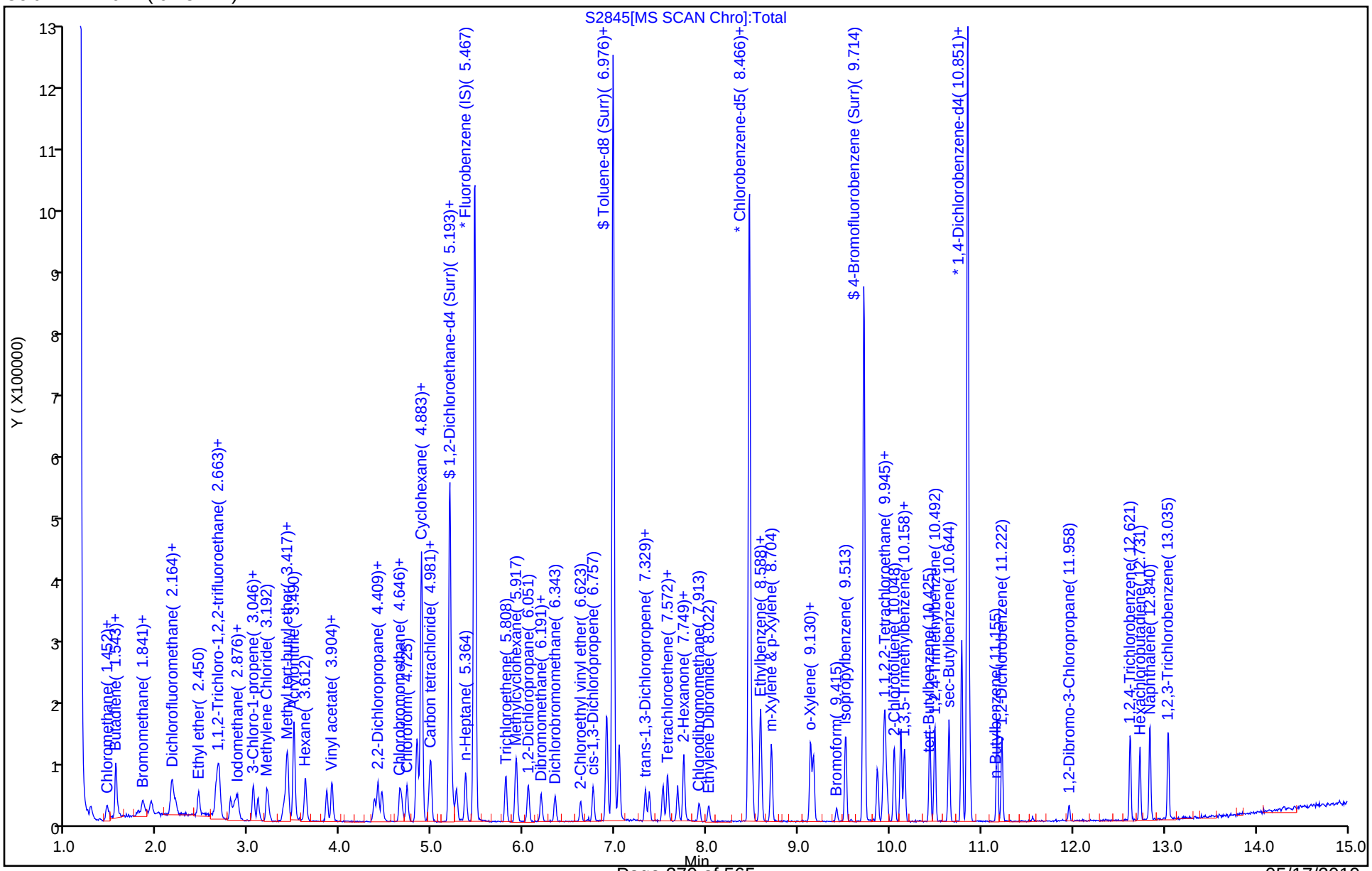
Report Date: 28-Mar-2019 12:18:33 Chrom Revision: 2.3 24-Mar-2019 20:11:04

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)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

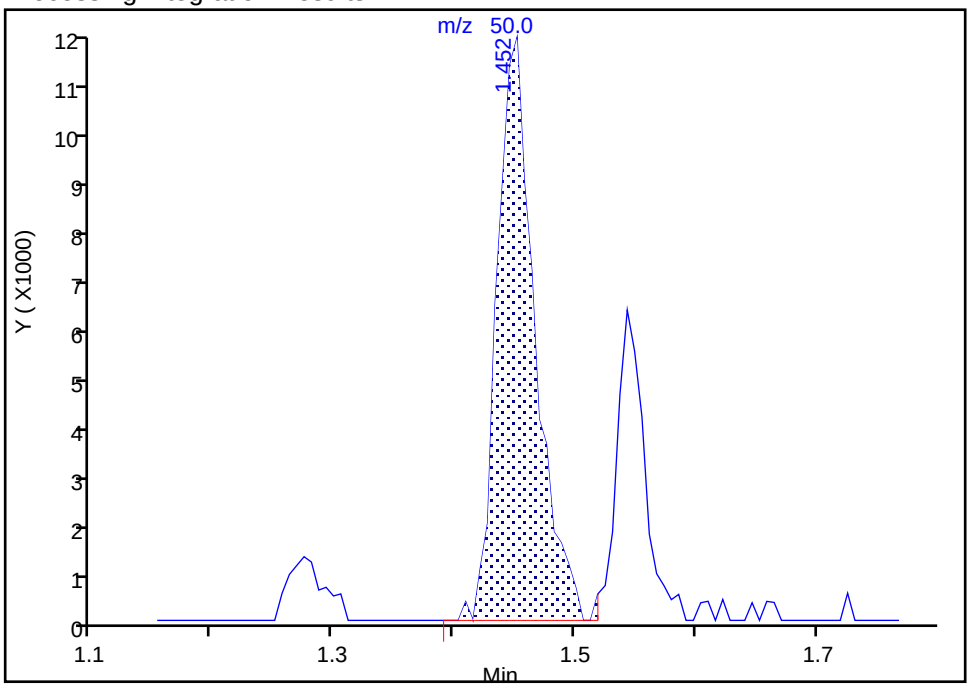
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2845.D
Injection Date: 26-Mar-2019 15:30:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

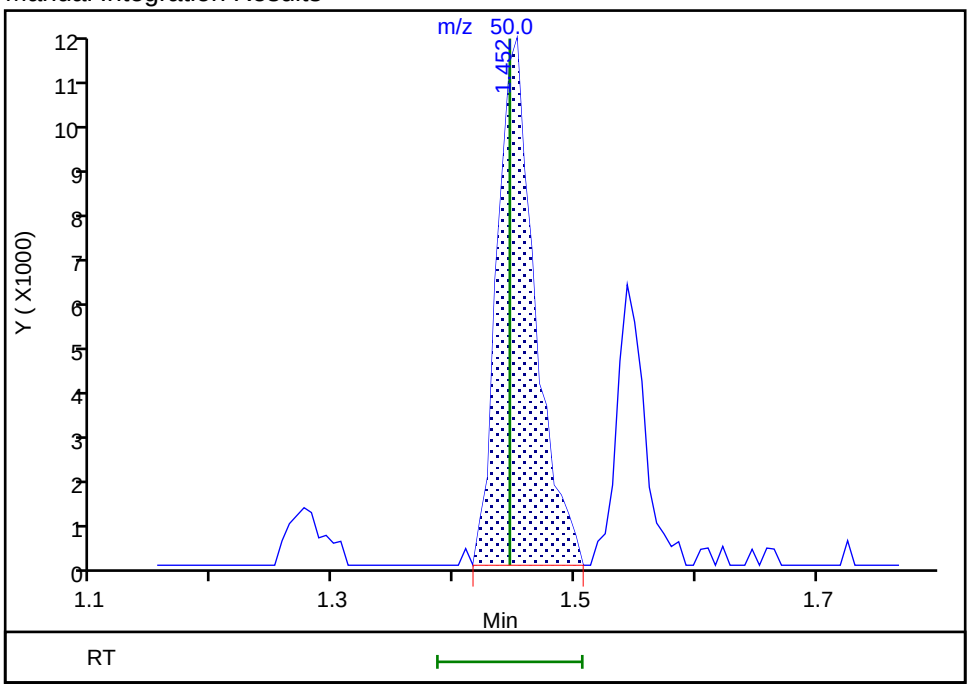
Processing Integration Results

RT: 1.45
Area: 25558
Amount: 2.265800
Amount Units: ug/L



Manual Integration Results

RT: 1.45
Area: 25231
Amount: 2.195537
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:58:51
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

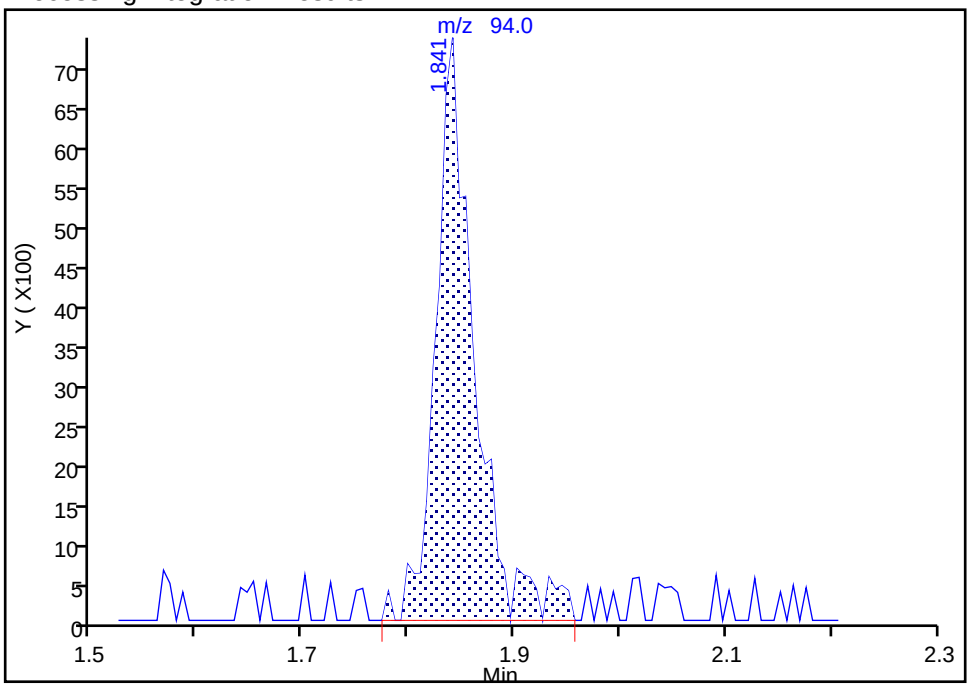
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2845.D
Injection Date: 26-Mar-2019 15:30:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

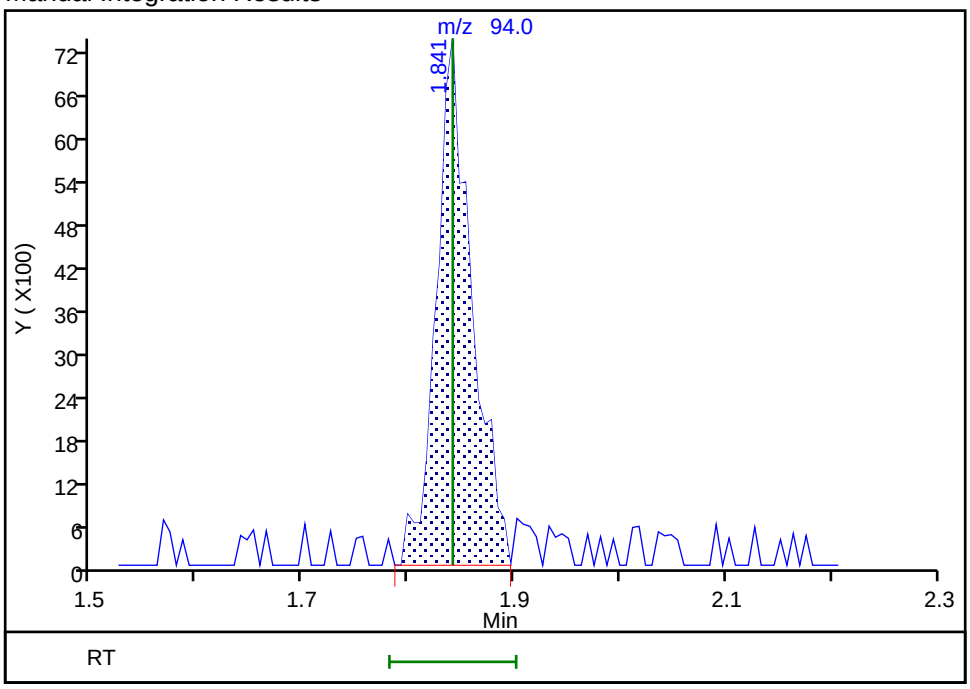
Processing Integration Results

RT: 1.84
Area: 18671
Amount: 2.404511
Amount Units: ug/L



Manual Integration Results

RT: 1.84
Area: 17105
Amount: 2.300533
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:59:09
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

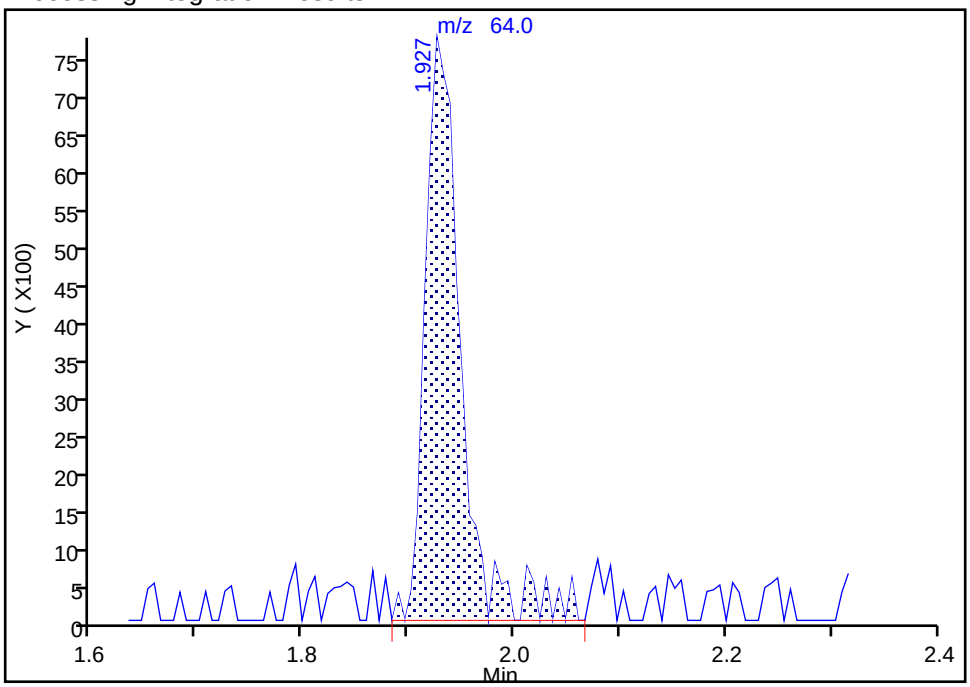
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2845.D
Injection Date: 26-Mar-2019 15:30:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

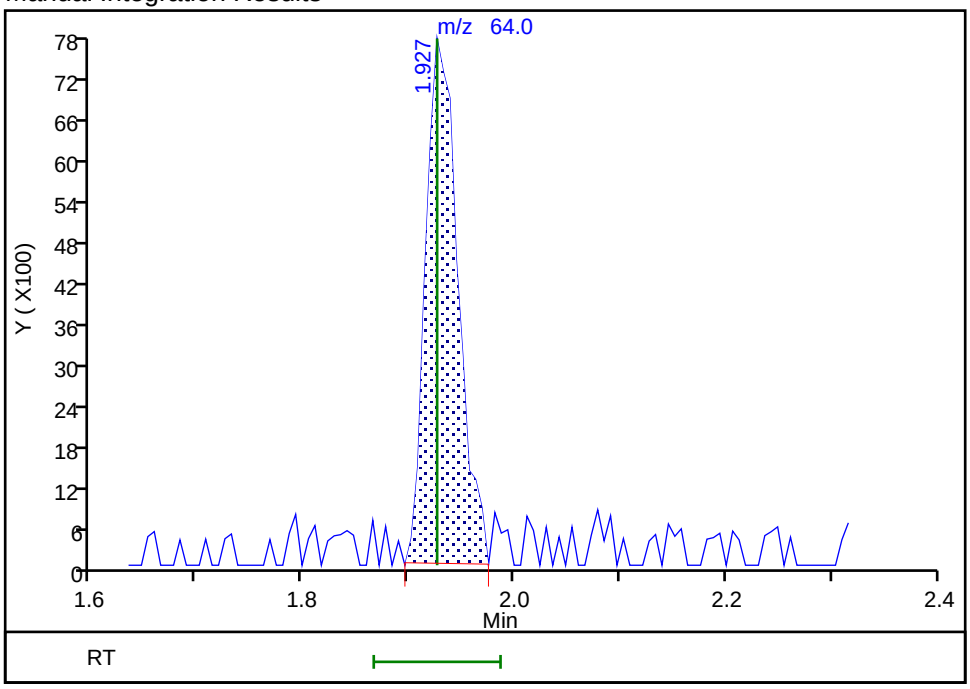
Processing Integration Results

RT: 1.93
Area: 18291
Amount: 2.247704
Amount Units: ug/L



Manual Integration Results

RT: 1.93
Area: 16371
Amount: 2.263517
Amount Units: ug/L



Reviewer: HillL, 28-Mar-2019 11:37:03
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

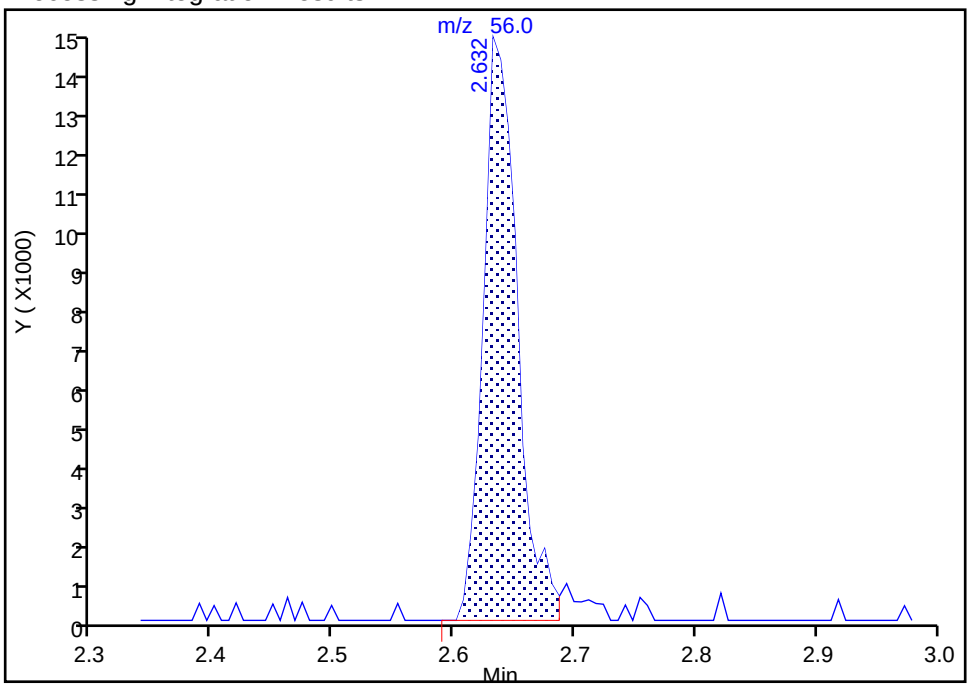
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2845.D
Injection Date: 26-Mar-2019 15:30:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

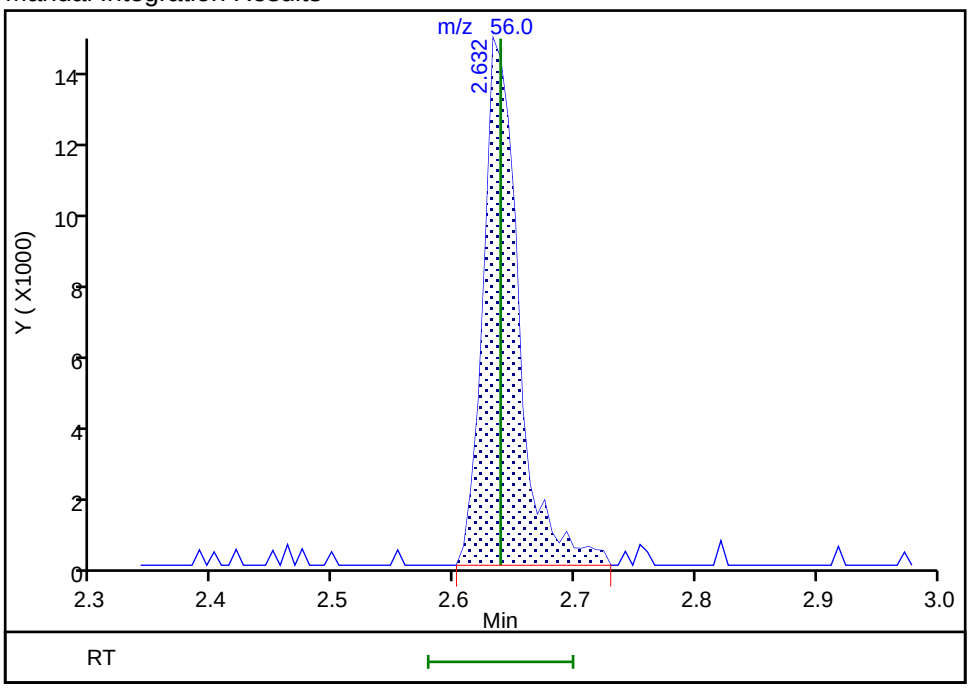
Processing Integration Results

RT: 2.63
Area: 27558
Amount: 10.675810
Amount Units: ug/L



Manual Integration Results

RT: 2.63
Area: 28684
Amount: 10.993486
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:59:31
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

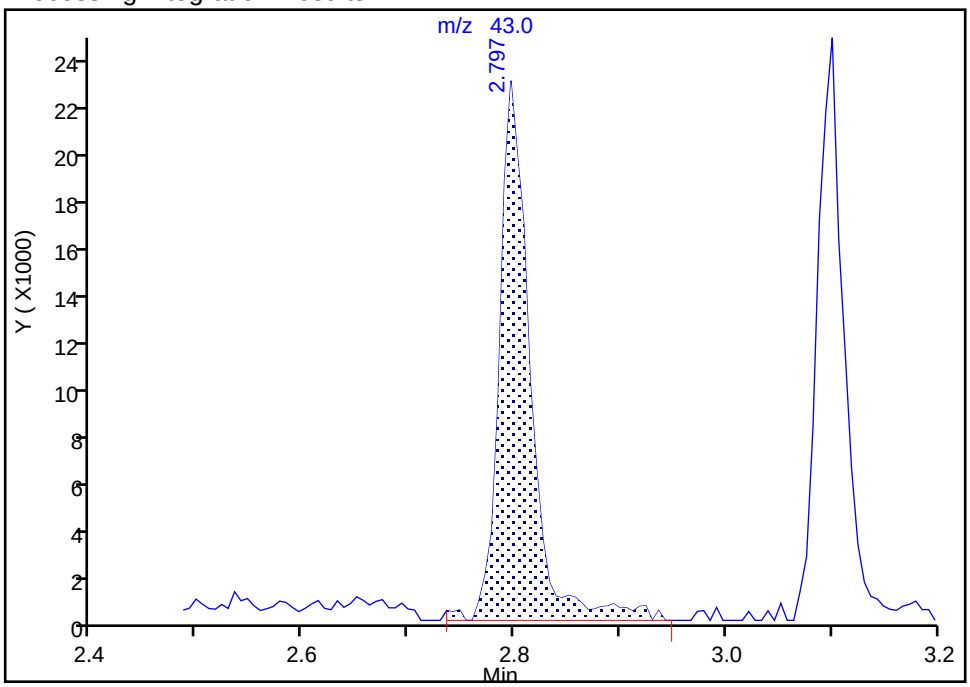
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2845.D
Injection Date: 26-Mar-2019 15:30:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

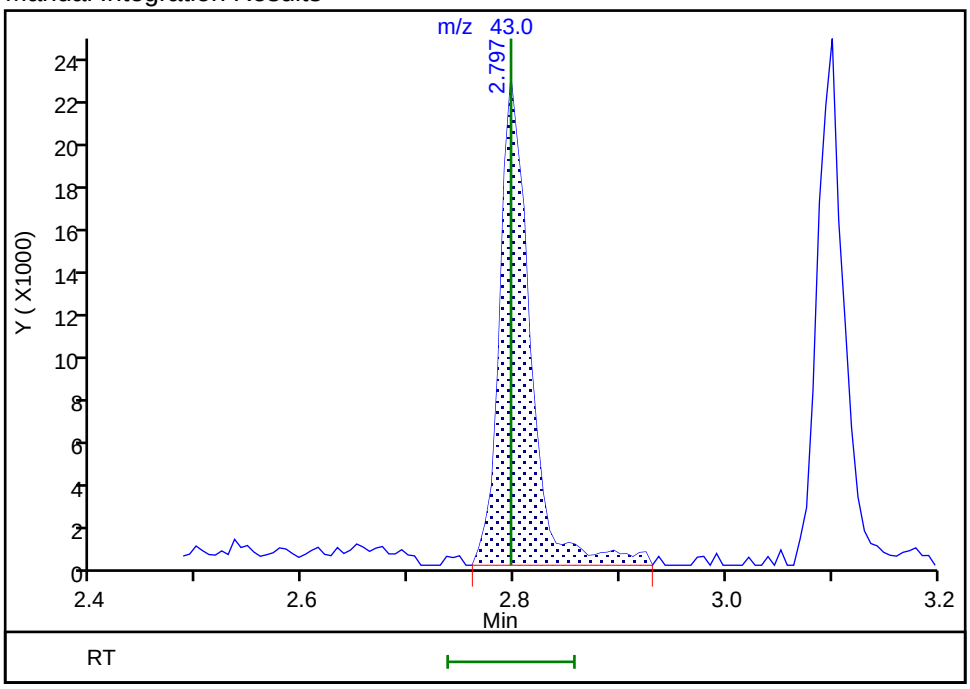
Processing Integration Results

RT: 2.80
Area: 45585
Amount: 10.765204
Amount Units: ug/L



Manual Integration Results

RT: 2.80
Area: 45000
Amount: 10.618573
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 22:59:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

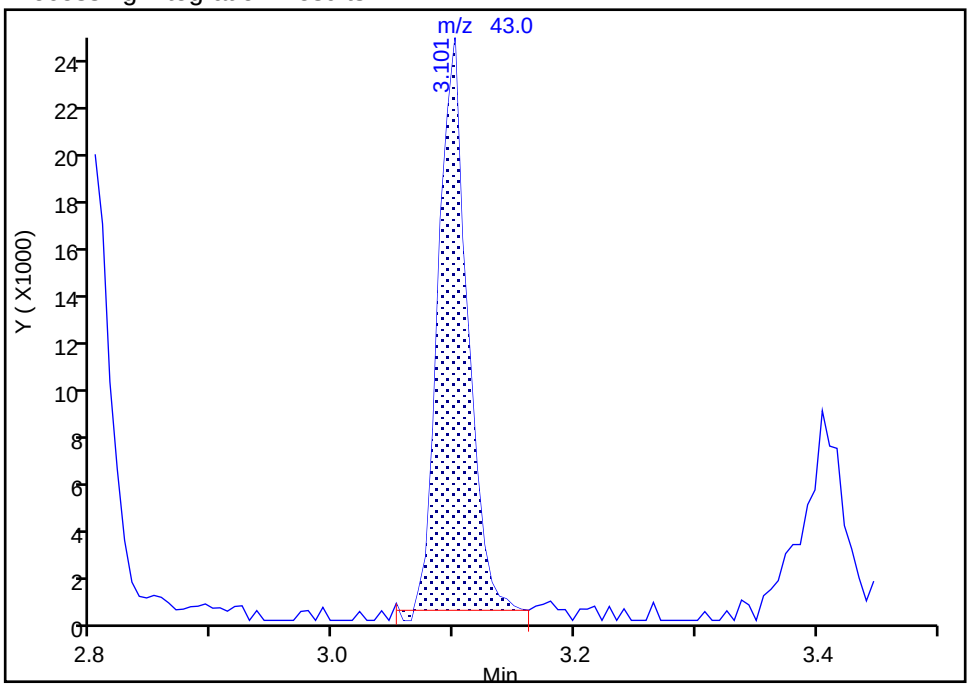
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2845.D
Injection Date: 26-Mar-2019 15:30:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

Signal: 1

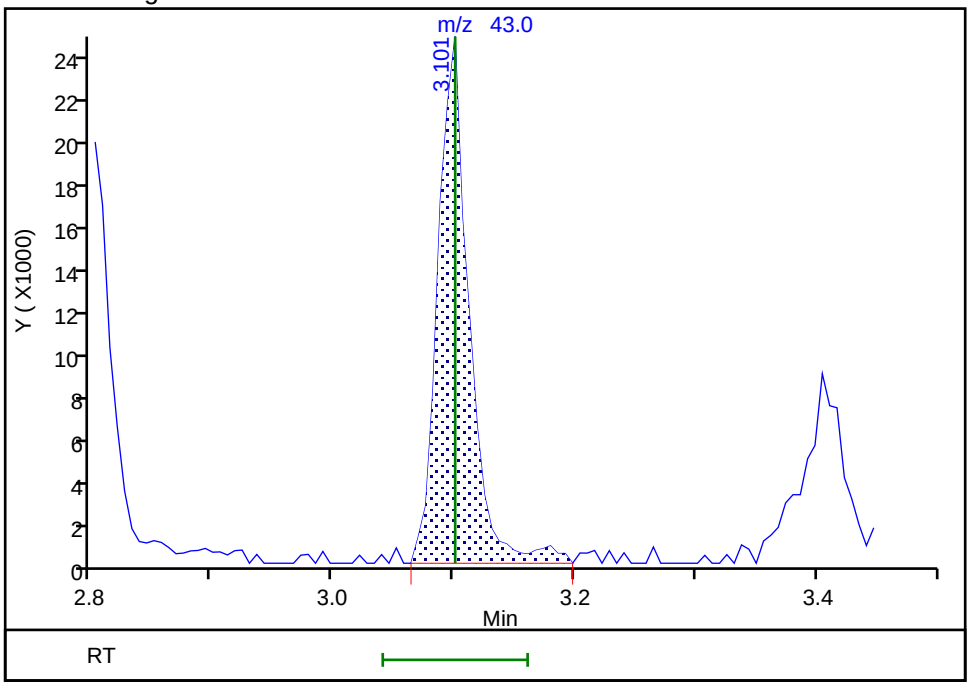
Processing Integration Results

RT: 3.10
Area: 39522
Amount: 3.889235
Amount Units: ug/L



Manual Integration Results

RT: 3.10
Area: 43248
Amount: 4.181259
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:00:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

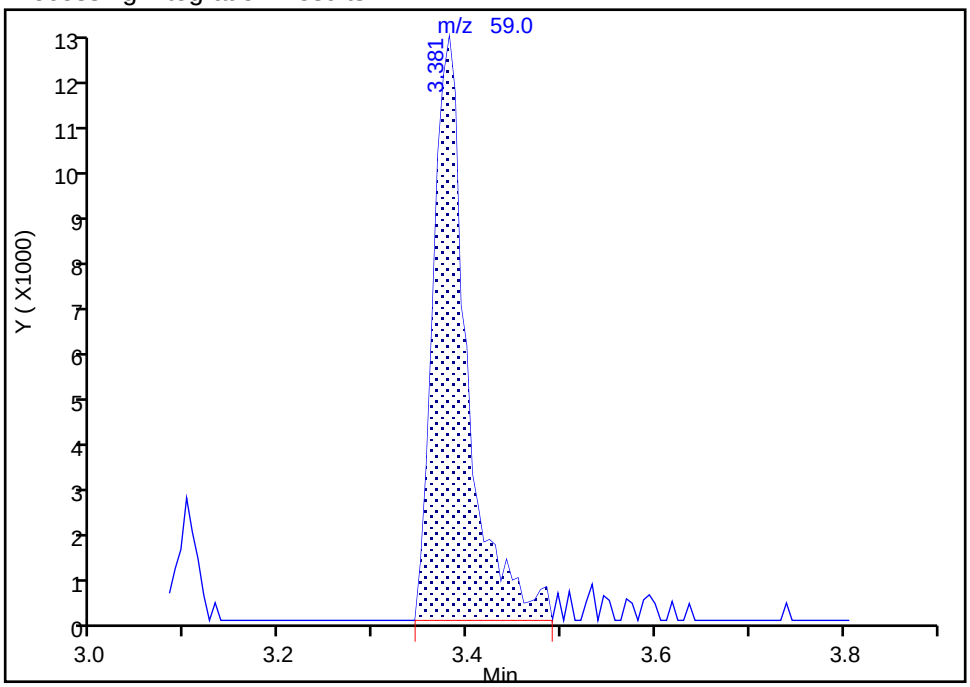
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2845.D
Injection Date: 26-Mar-2019 15:30:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

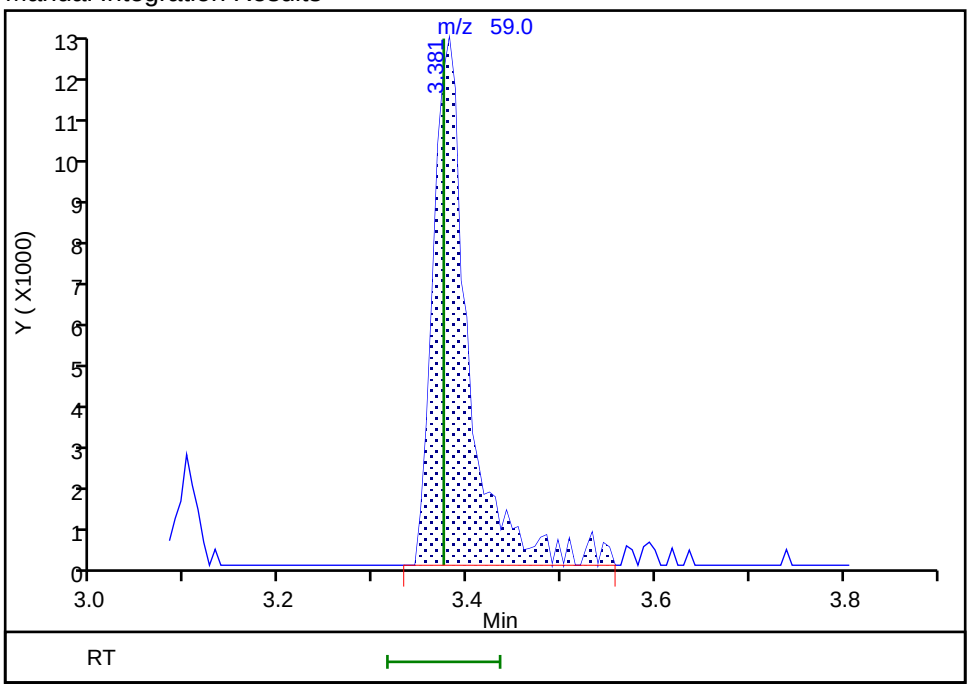
Processing Integration Results

RT: 3.38
Area: 31609
Amount: 19.984817
Amount Units: ug/L



Manual Integration Results

RT: 3.38
Area: 32837
Amount: 20.500271
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:00:14
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

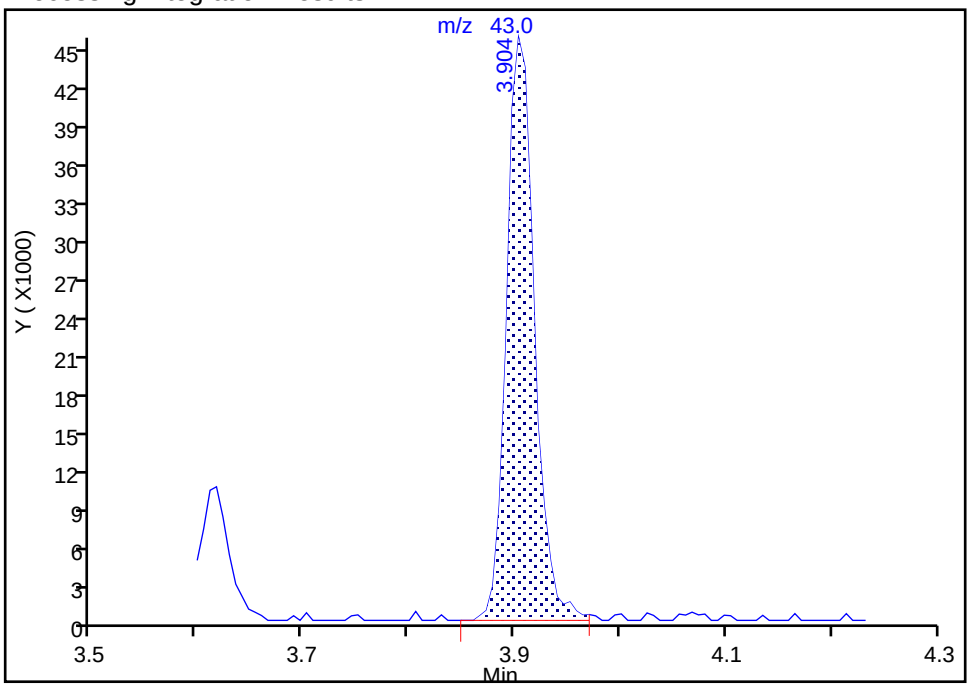
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2845.D
Injection Date: 26-Mar-2019 15:30:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

37 Vinyl acetate, CAS: 108-05-4

Signal: 1

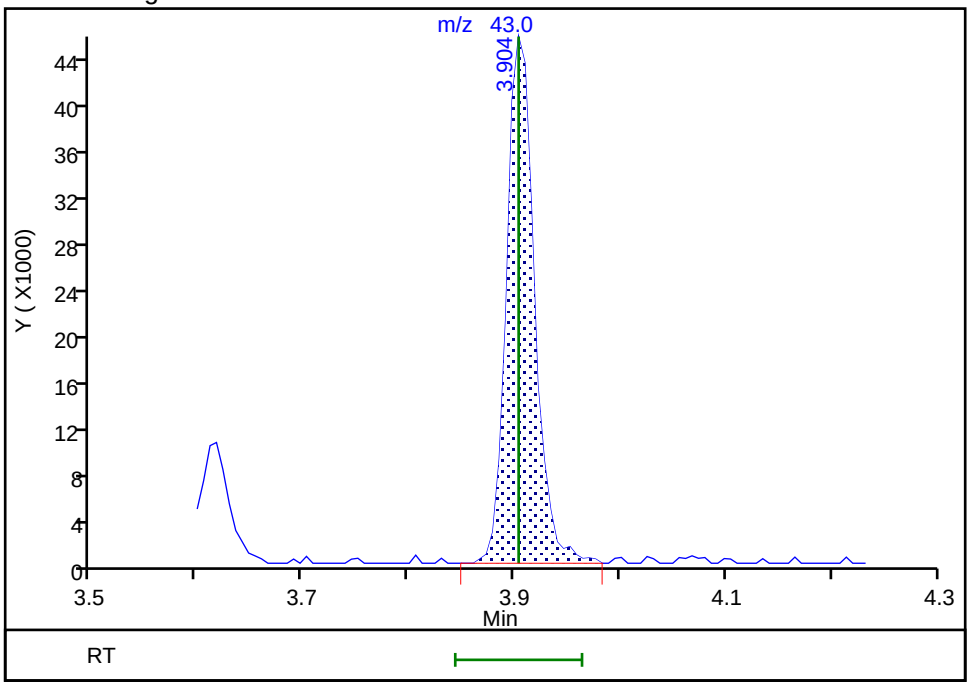
Processing Integration Results

RT: 3.90
Area: 83604
Amount: 3.998224
Amount Units: ug/L



Manual Integration Results

RT: 3.90
Area: 83733
Amount: 3.919745
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:00:36
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

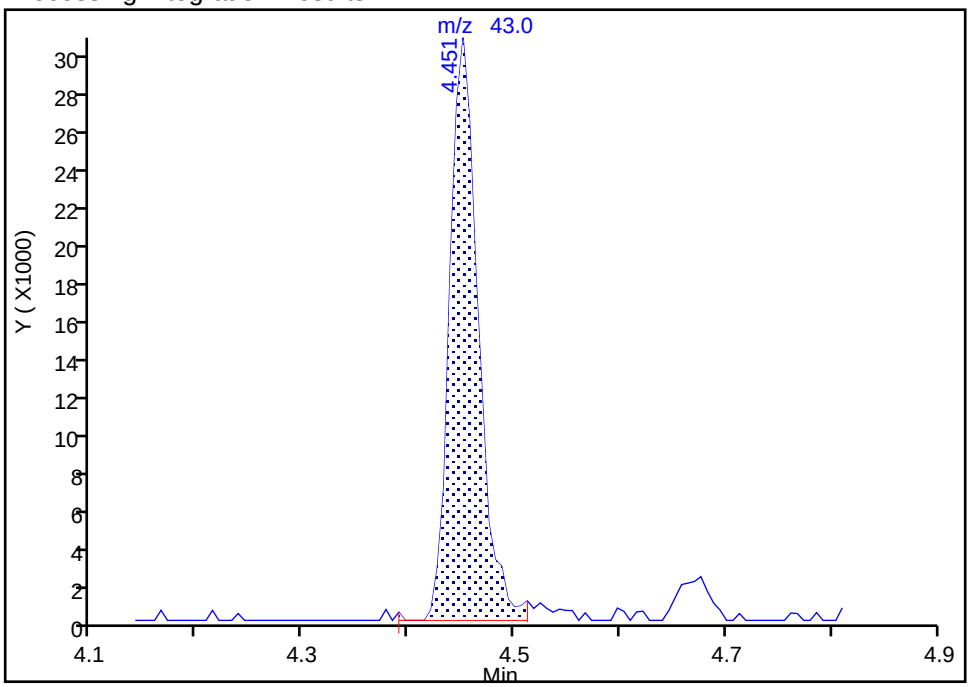
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2845.D
Injection Date: 26-Mar-2019 15:30:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

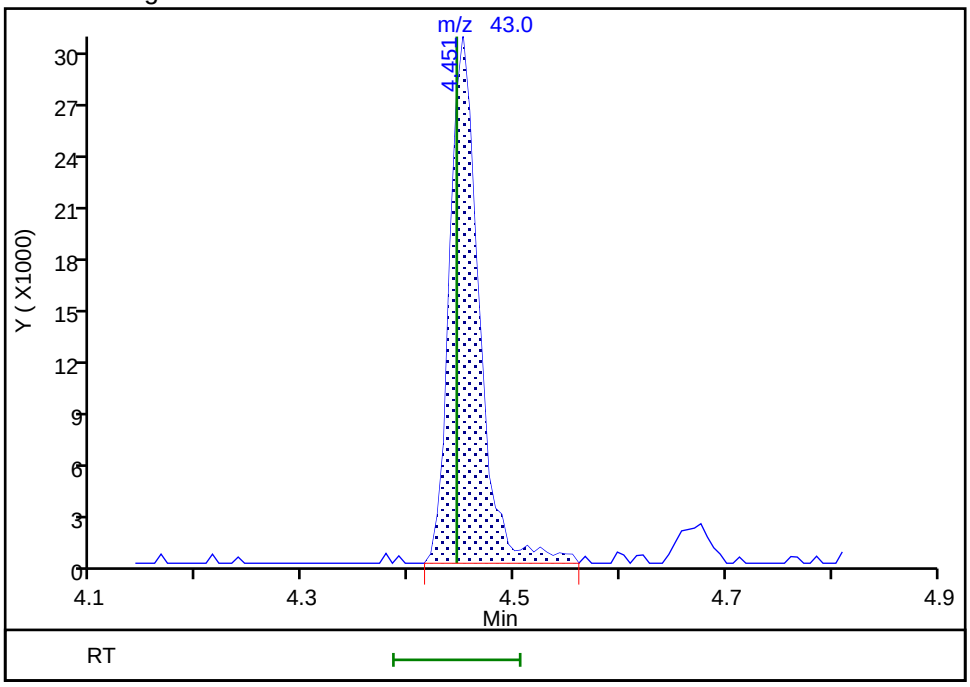
Processing Integration Results

RT: 4.45
Area: 57733
Amount: 9.759340
Amount Units: ug/L



Manual Integration Results

RT: 4.45
Area: 59121
Amount: 9.939800
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:00:45
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

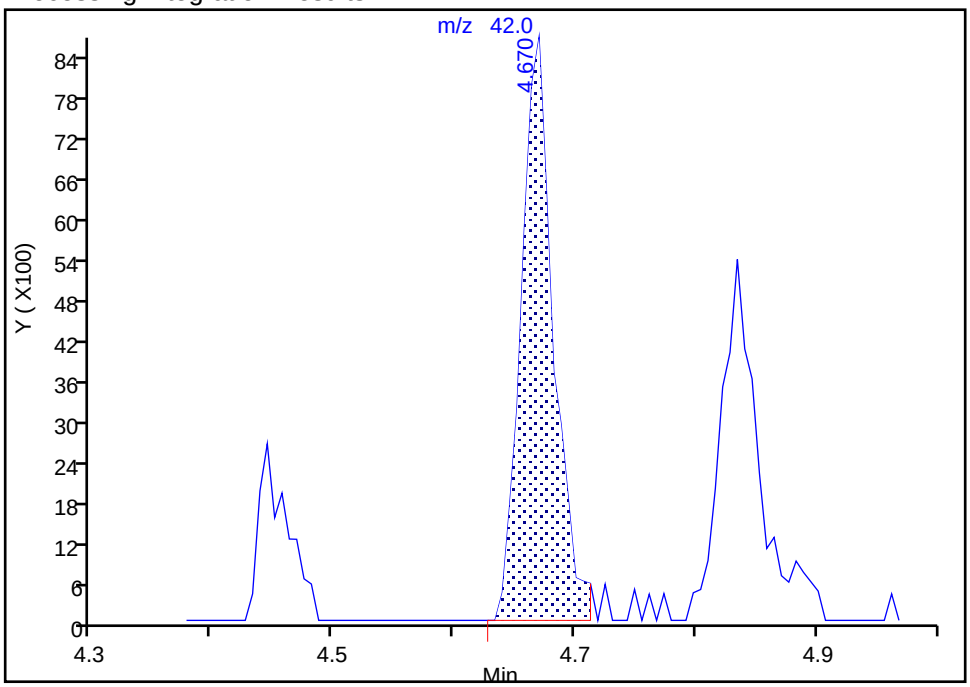
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2845.D
Injection Date: 26-Mar-2019 15:30:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

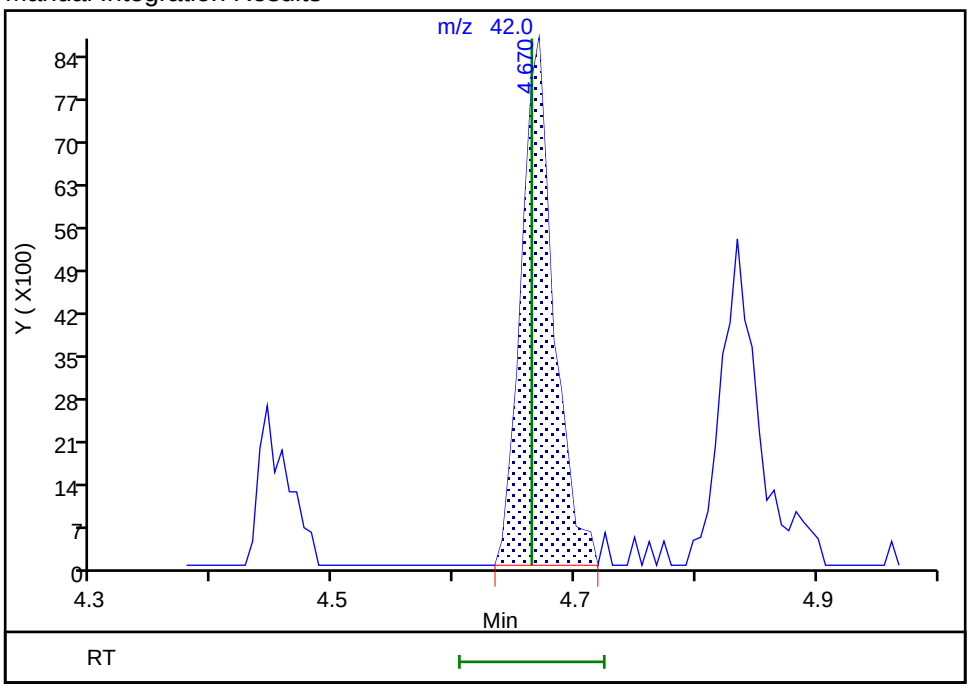
Processing Integration Results

RT: 4.67
Area: 16159
Amount: 3.919335
Amount Units: ug/L



Manual Integration Results

RT: 4.67
Area: 16159
Amount: 3.910224
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:00:56
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

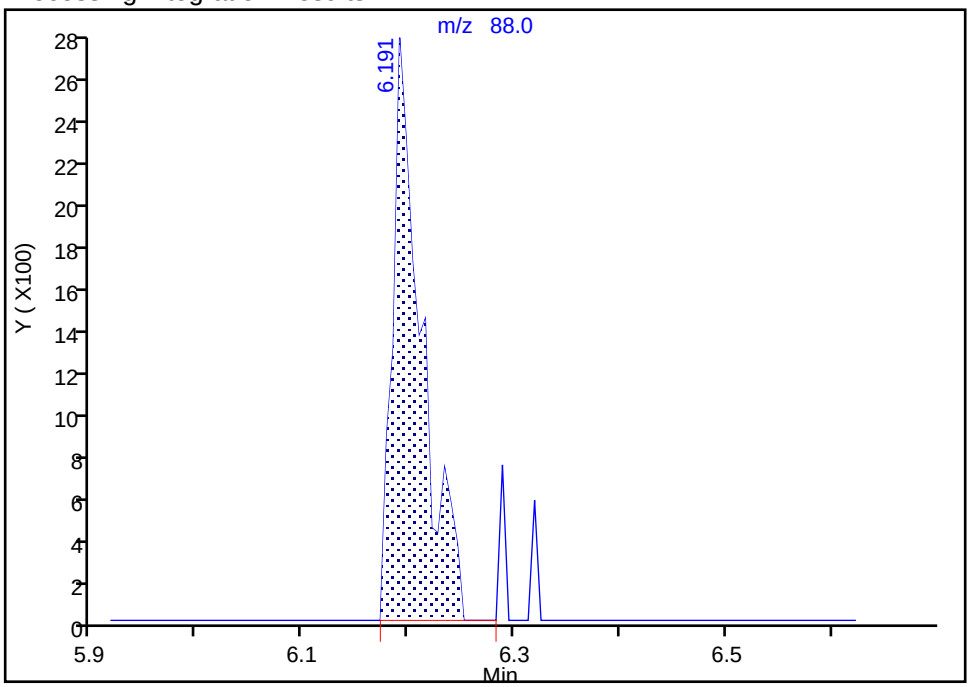
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2845.D
Injection Date: 26-Mar-2019 15:30:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

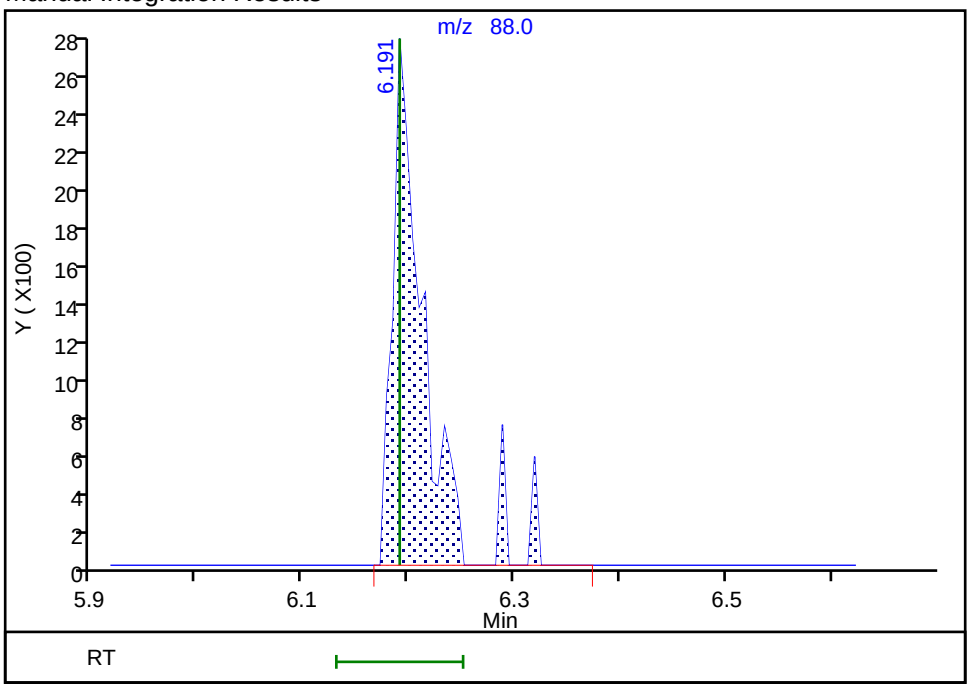
Processing Integration Results

RT: 6.19
Area: 5174
Amount: 42.254855
Amount Units: ug/L



Manual Integration Results

RT: 6.19
Area: 5650
Amount: 43.219017
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:01:18
Audit Action: Manually Integrated Audit Reason: Poor chromatography

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

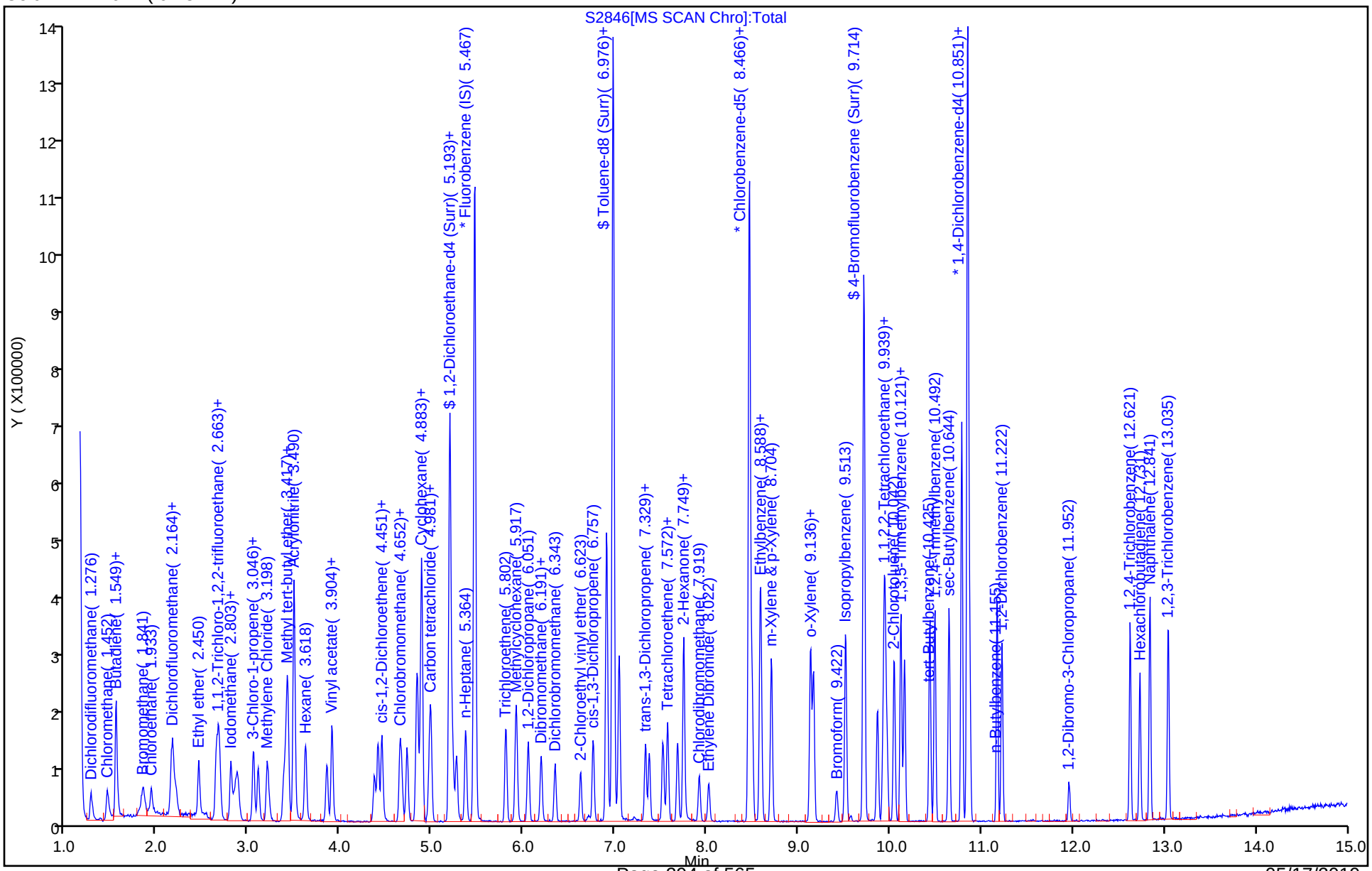
Report Date: 28-Mar-2019 12:18:45 Chrom Revision: 2.3 24-Mar-2019 20:11:04

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)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

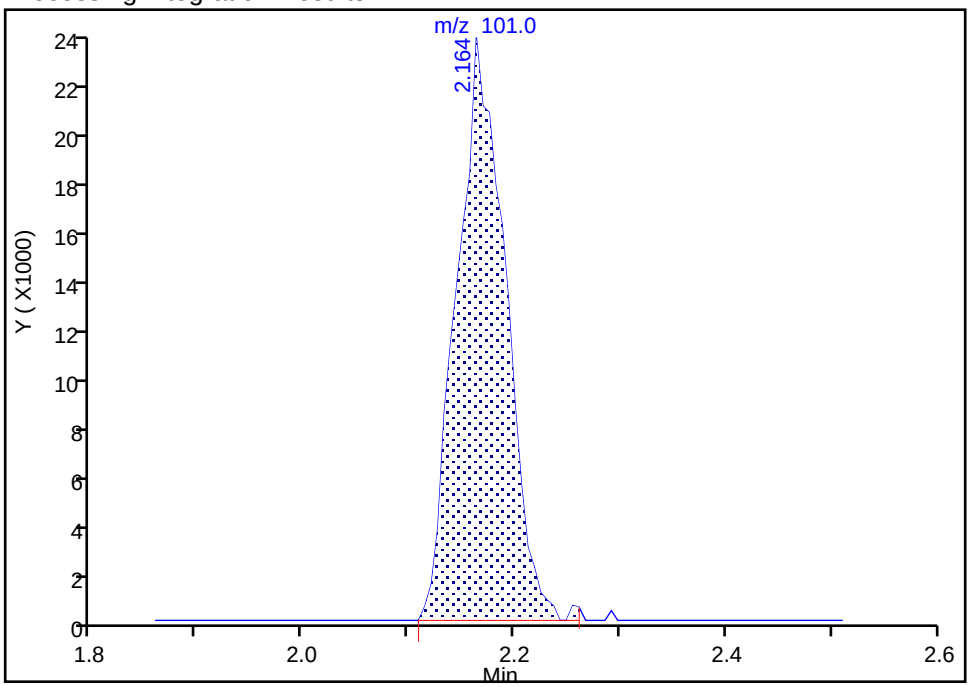
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2846.D
Injection Date: 26-Mar-2019 15:53:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

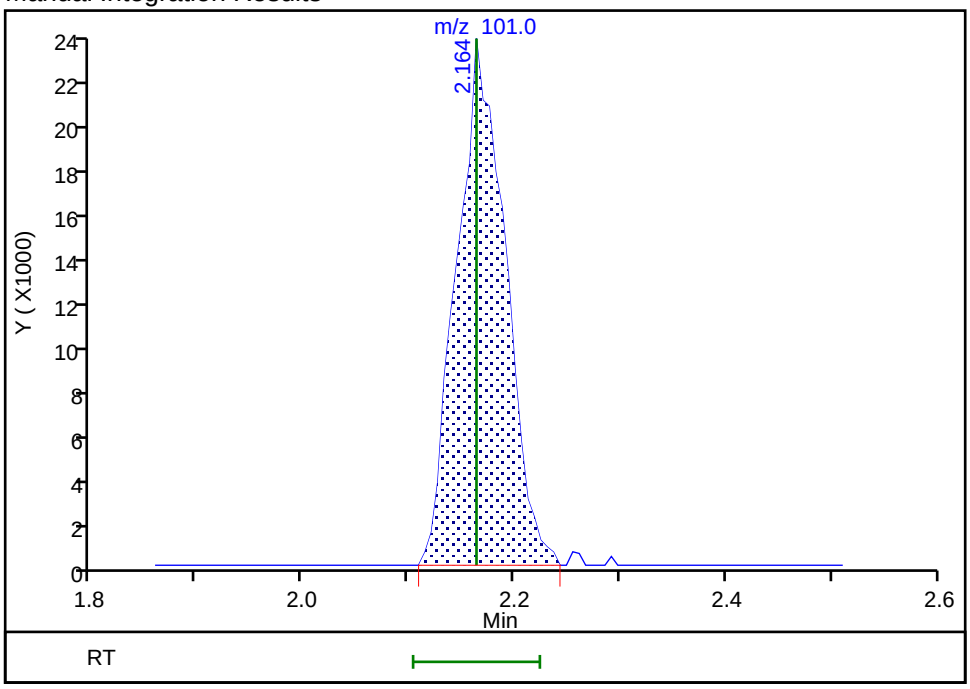
Processing Integration Results

RT: 2.16
Area: 76924
Amount: 5.224153
Amount Units: ug/L



Manual Integration Results

RT: 2.16
Area: 76505
Amount: 5.200993
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:03:05
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

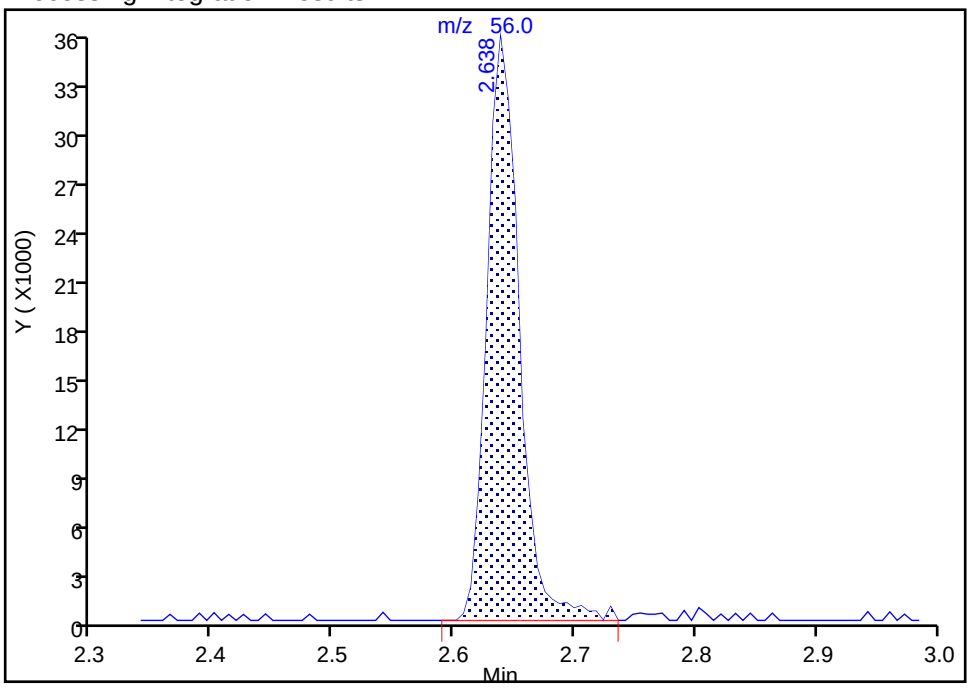
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2846.D
Injection Date: 26-Mar-2019 15:53:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

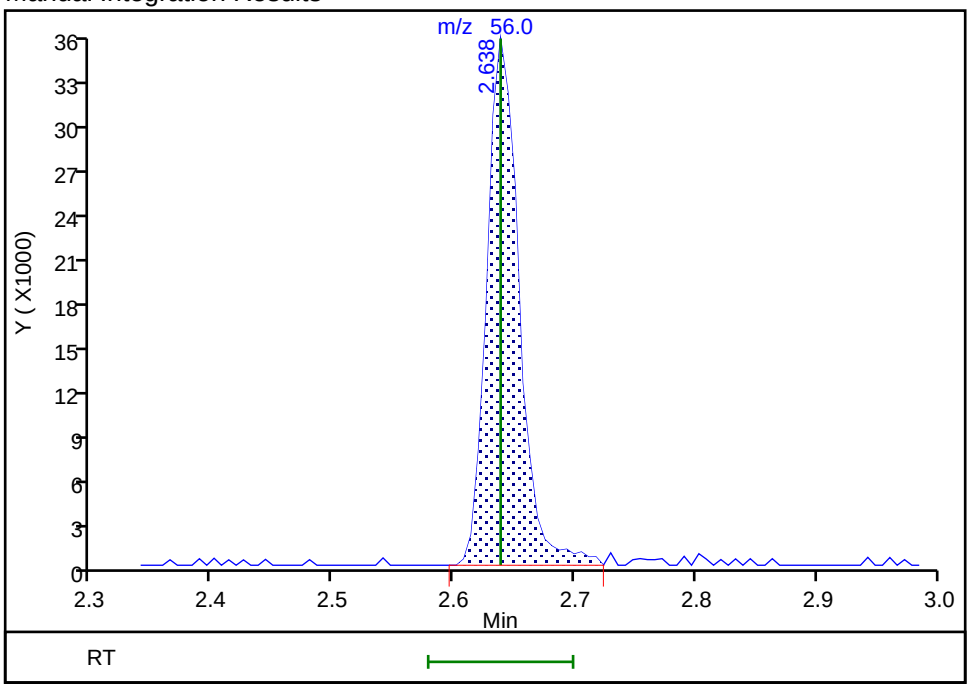
Processing Integration Results

RT: 2.64
Area: 65971
Amount: 23.973390
Amount Units: ug/L



Manual Integration Results

RT: 2.64
Area: 65667
Amount: 23.737105
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:03:13
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

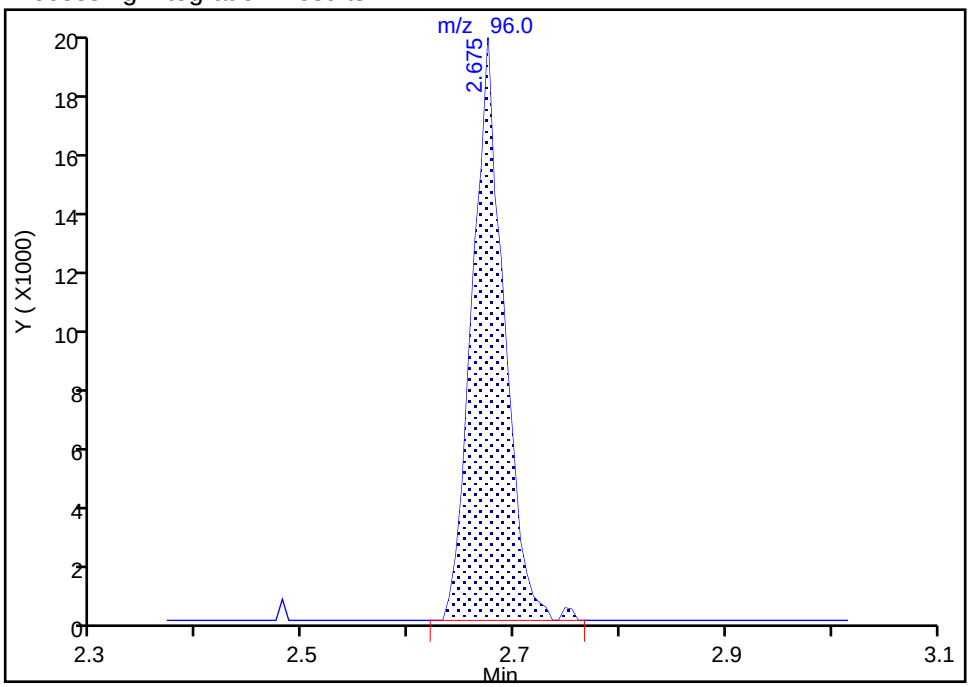
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2846.D
Injection Date: 26-Mar-2019 15:53:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

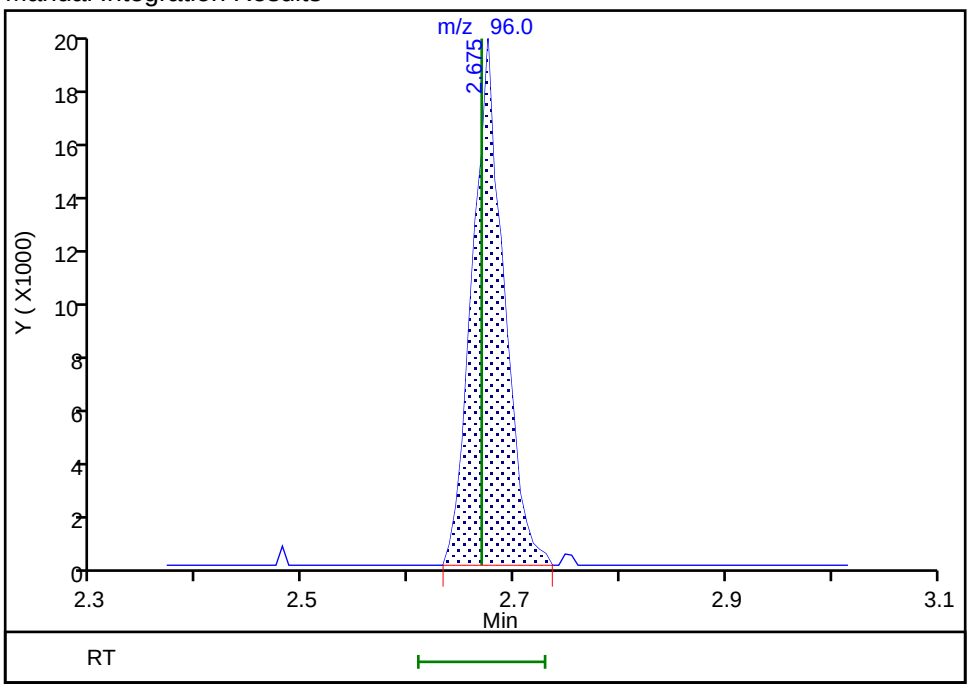
Processing Integration Results

RT: 2.67
Area: 40537
Amount: 4.890495
Amount Units: ug/L



Manual Integration Results

RT: 2.67
Area: 40249
Amount: 4.740996
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:03:22
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

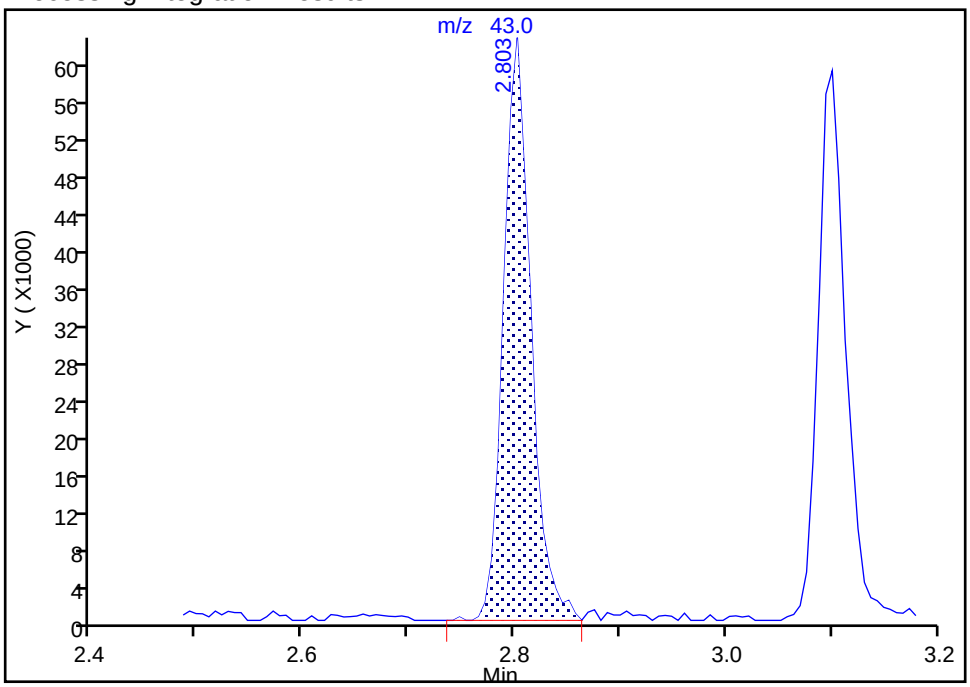
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2846.D
Injection Date: 26-Mar-2019 15:53:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

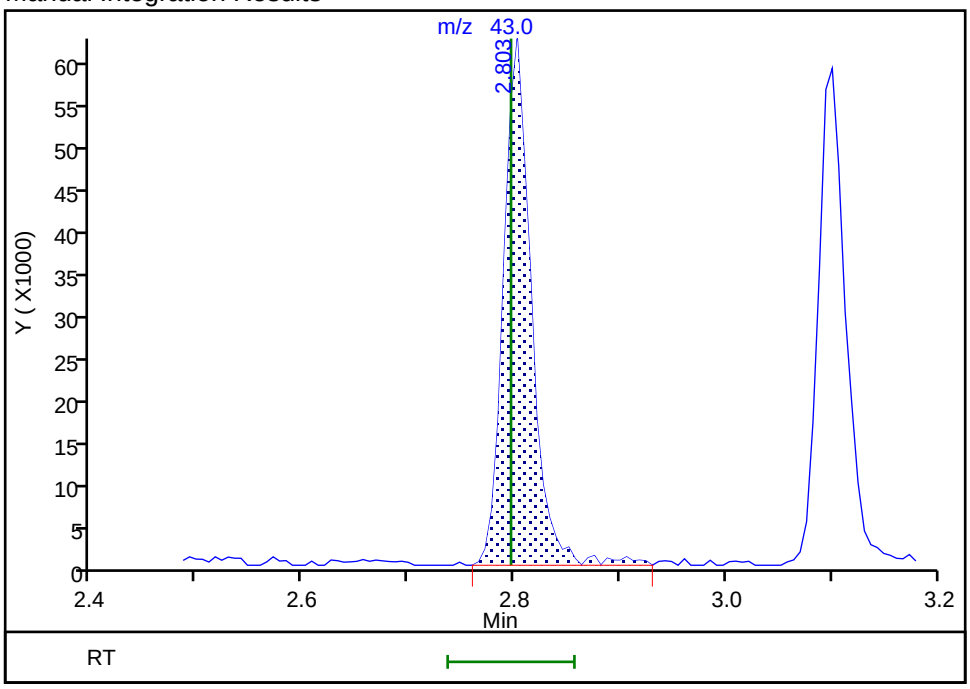
Processing Integration Results

RT: 2.80
Area: 112546
Amount: 25.111106
Amount Units: ug/L



Manual Integration Results

RT: 2.80
Area: 114849
Amount: 25.560286
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:03:30
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

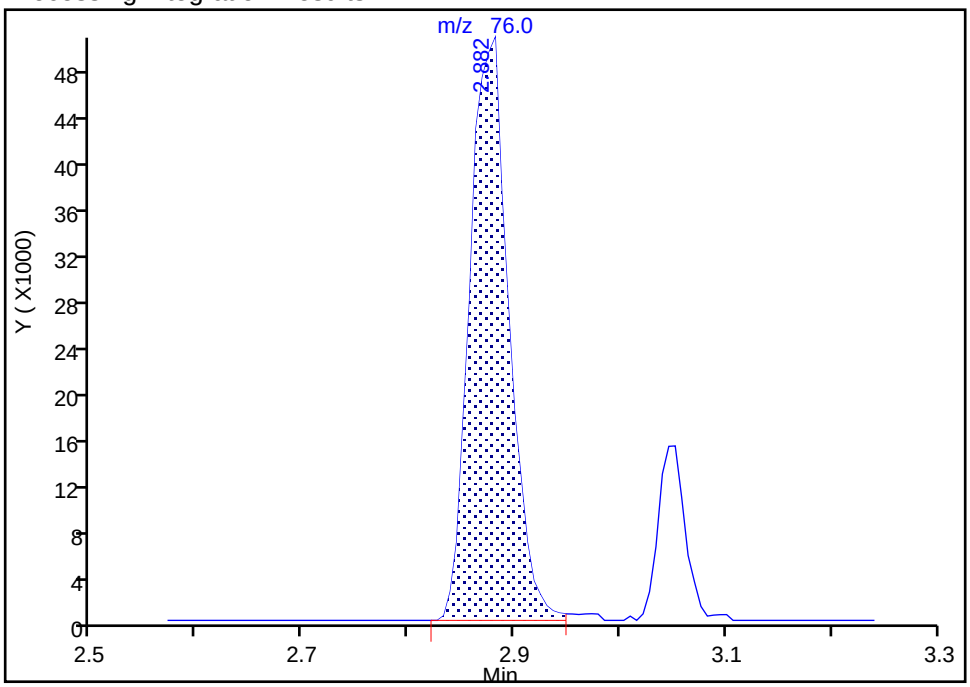
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2846.D
Injection Date: 26-Mar-2019 15:53:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Signal: 1

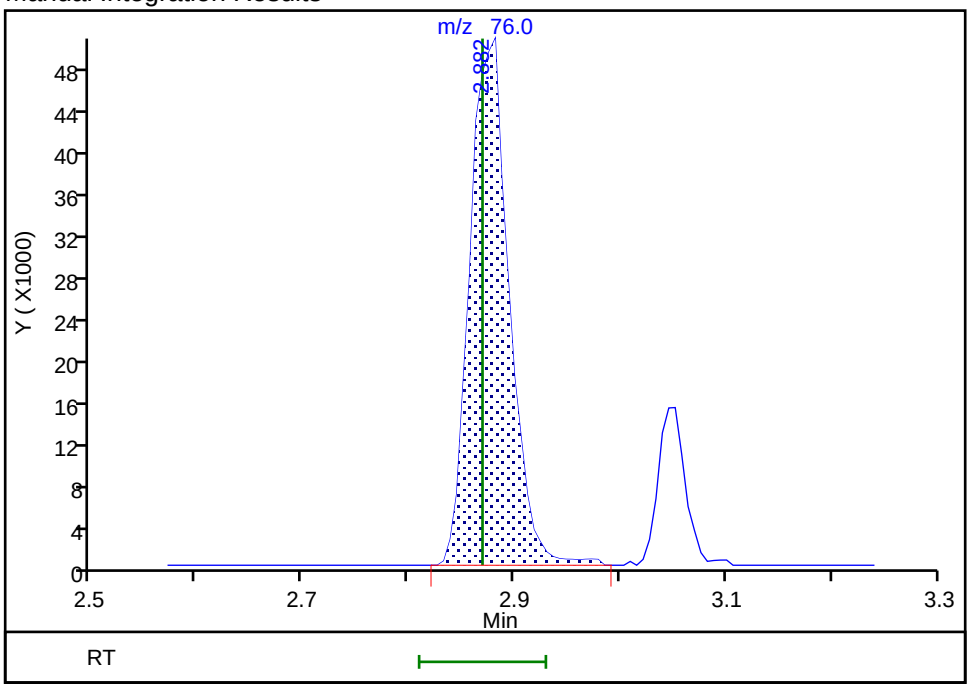
Processing Integration Results

RT: 2.88
Area: 128406
Amount: 4.540342
Amount Units: ug/L



Manual Integration Results

RT: 2.88
Area: 129394
Amount: 4.571285
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:03:44
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

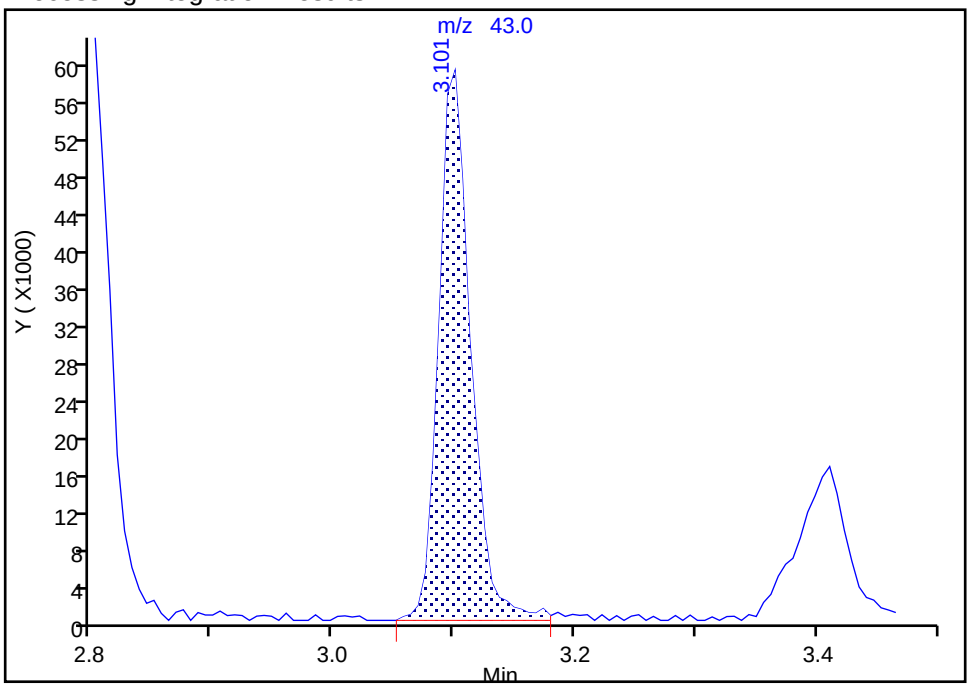
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2846.D
Injection Date: 26-Mar-2019 15:53:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

Signal: 1

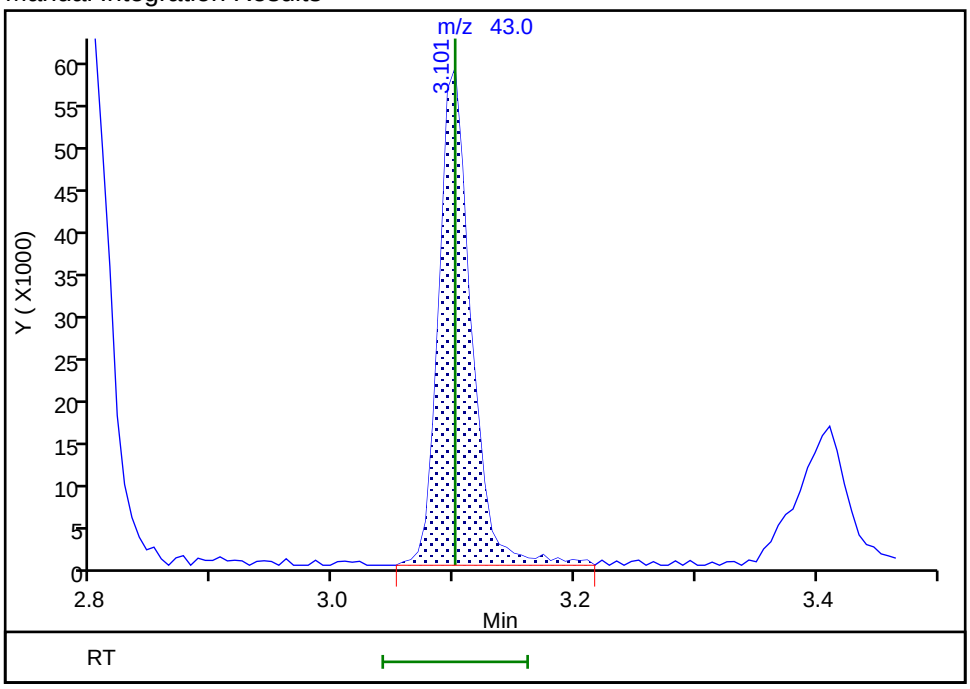
Processing Integration Results

RT: 3.10
Area: 108681
Amount: 9.935833
Amount Units: ug/L



Manual Integration Results

RT: 3.10
Area: 109807
Amount: 10.012809
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:16:59
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

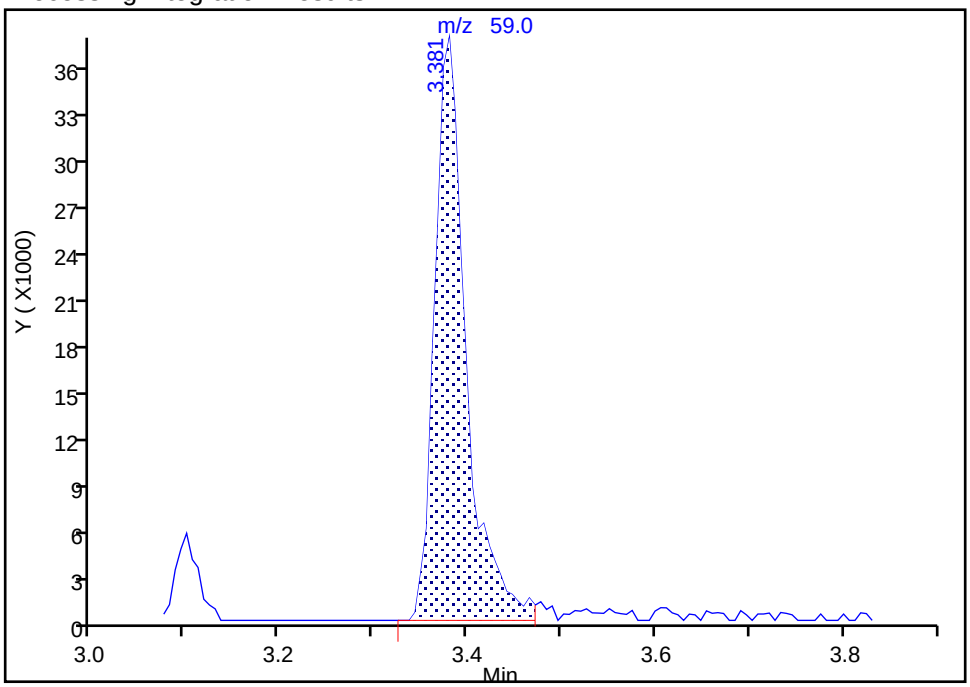
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2846.D
Injection Date: 26-Mar-2019 15:53:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

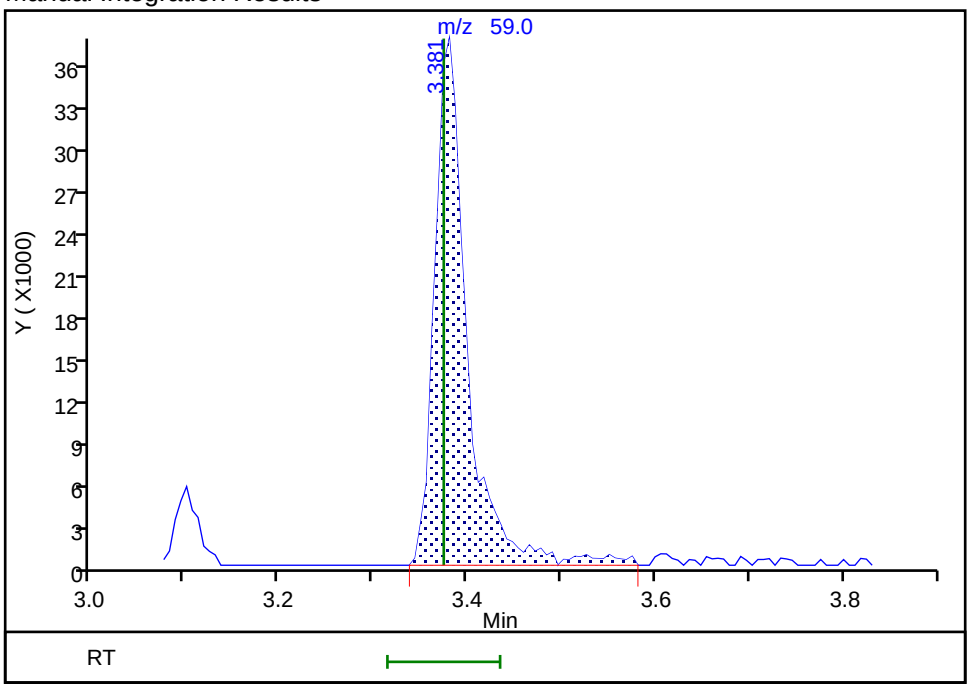
Processing Integration Results

RT: 3.38
Area: 86885
Amount: 51.560456
Amount Units: ug/L



Manual Integration Results

RT: 3.38
Area: 90431
Amount: 53.247389
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:03:59
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

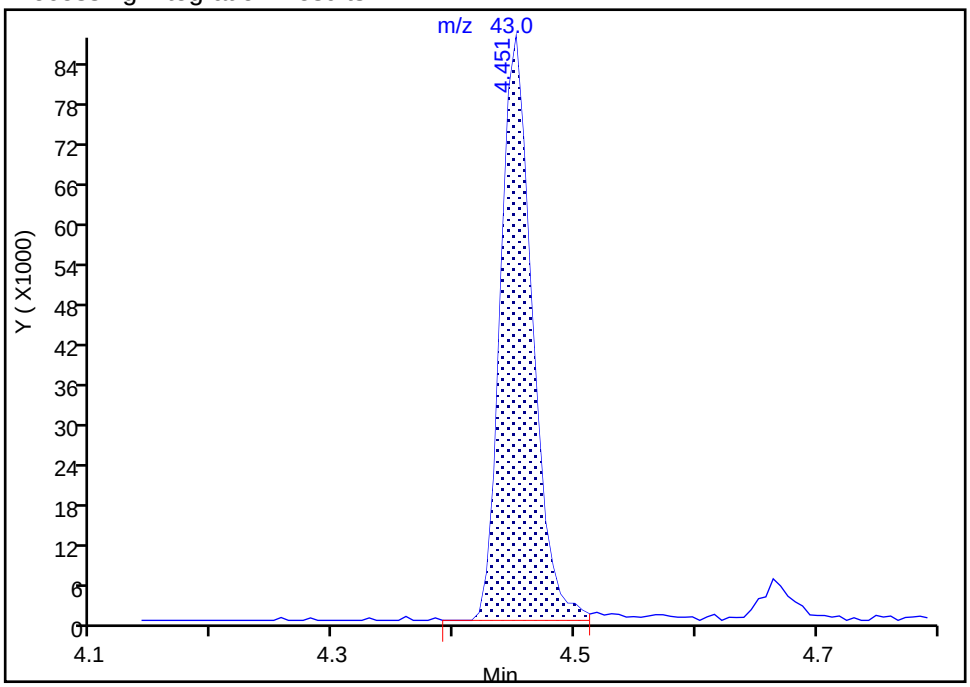
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2846.D
Injection Date: 26-Mar-2019 15:53:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

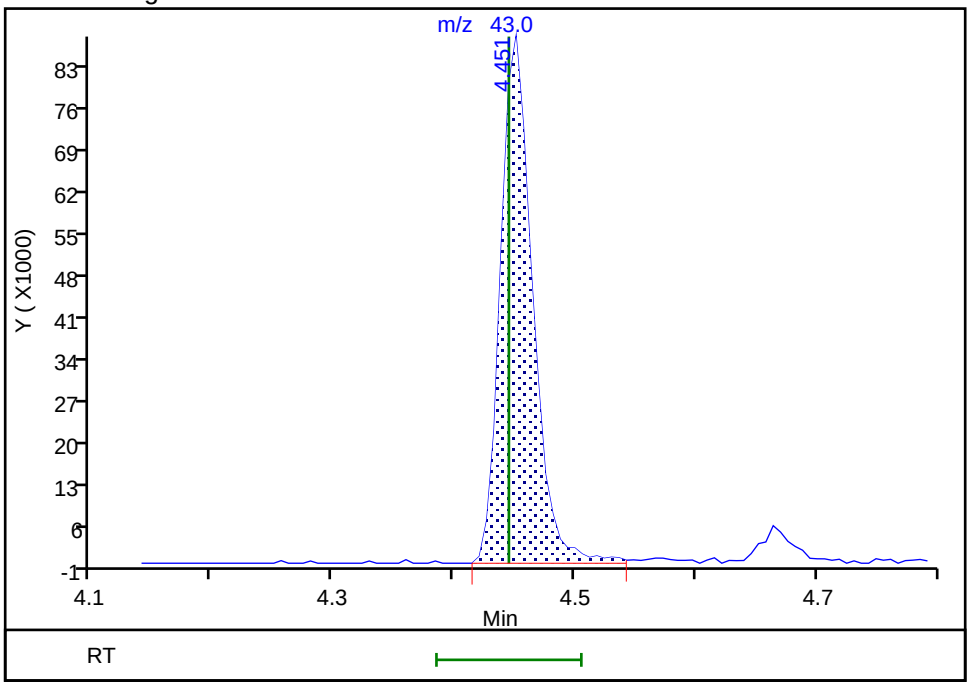
Processing Integration Results

RT: 4.45
Area: 160521
Amount: 25.517678
Amount Units: ug/L



Manual Integration Results

RT: 4.45
Area: 162159
Amount: 25.713536
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:21:35
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

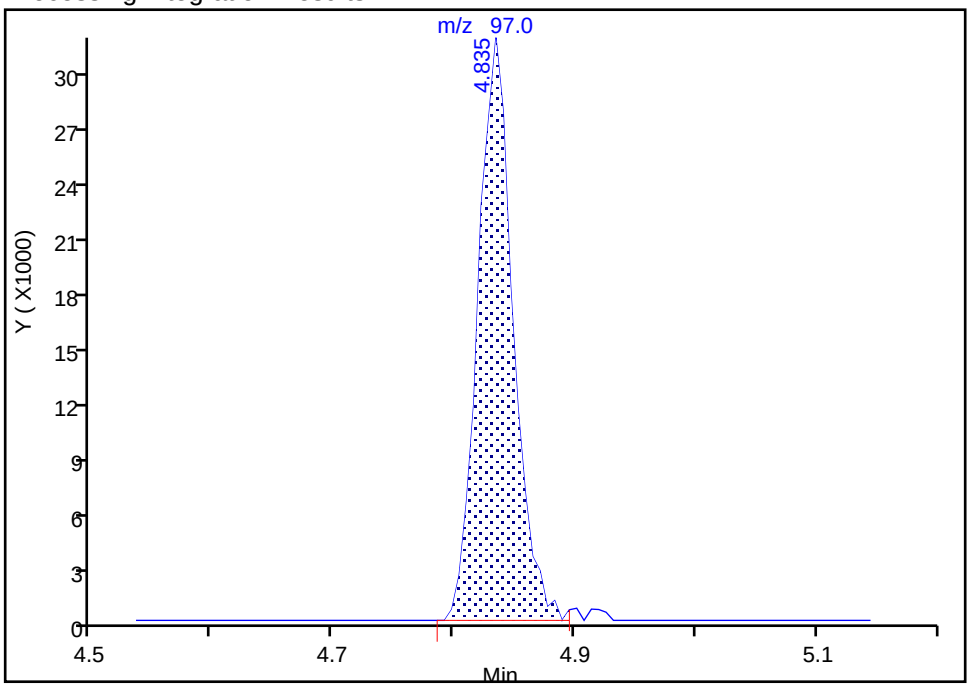
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2846.D
Injection Date: 26-Mar-2019 15:53:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

51 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

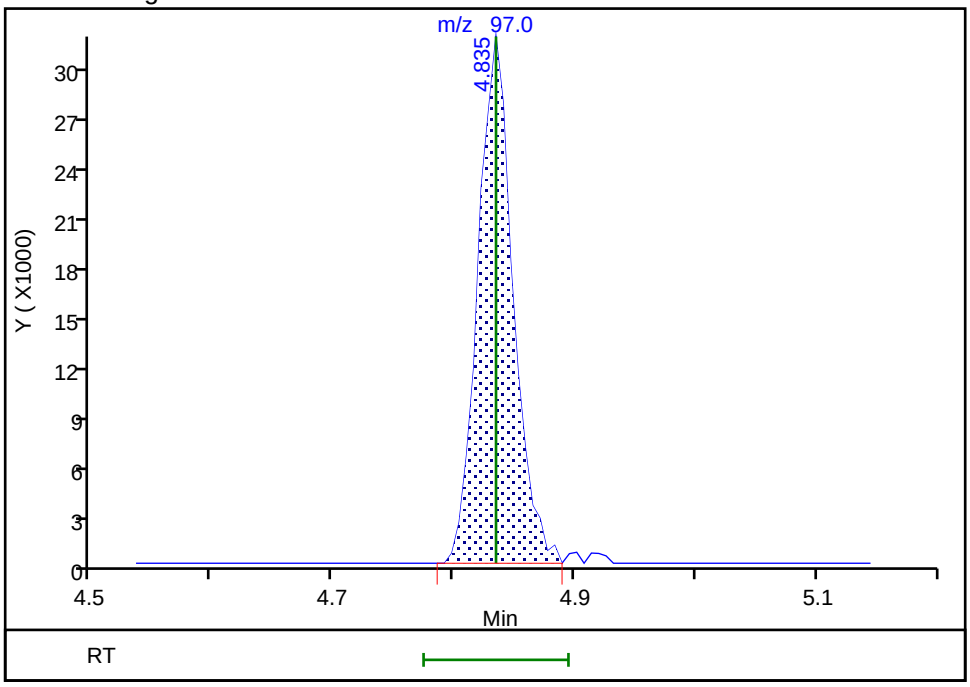
Processing Integration Results

RT: 4.83
Area: 64220
Amount: 4.618916
Amount Units: ug/L



Manual Integration Results

RT: 4.83
Area: 64009
Amount: 4.468082
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:04:23
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

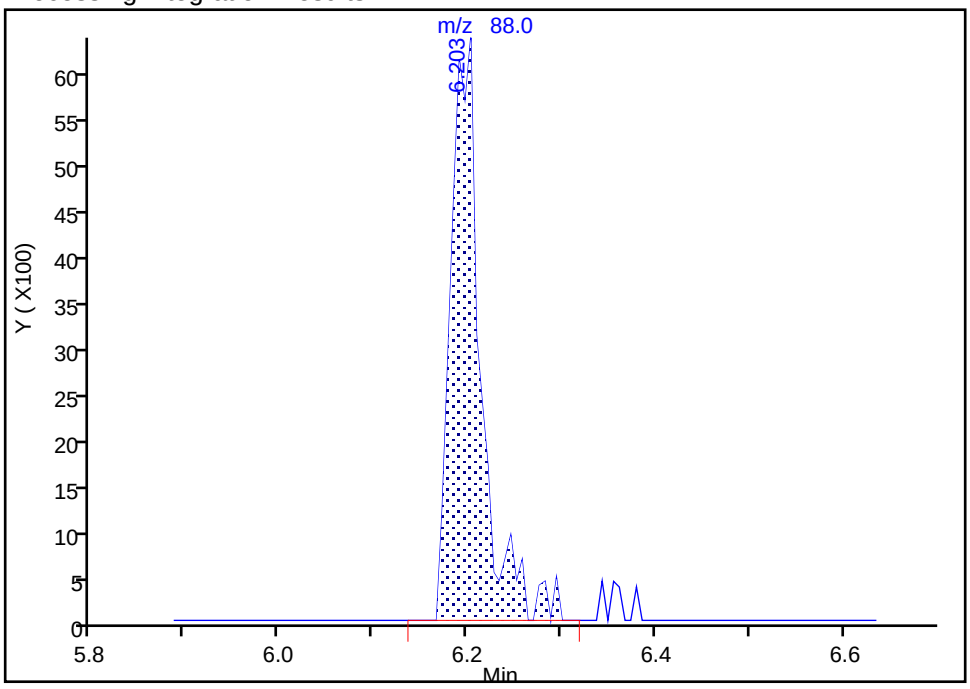
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2846.D
Injection Date: 26-Mar-2019 15:53:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

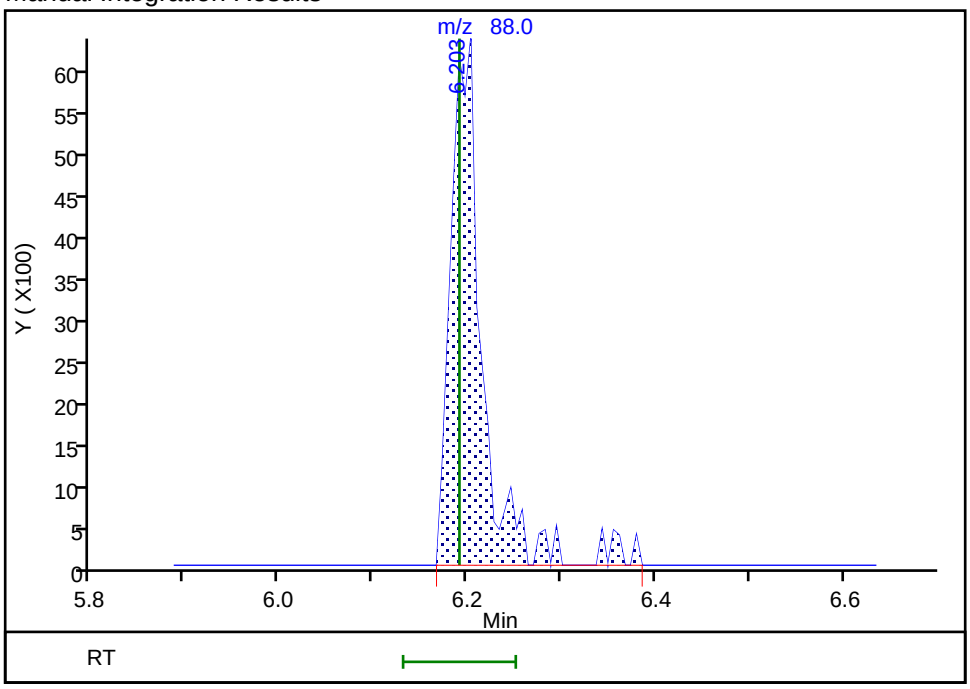
Processing Integration Results

RT: 6.20
Area: 14150
Amount: 100.0925
Amount Units: ug/L



Manual Integration Results

RT: 6.20
Area: 14729
Amount: 106.4131
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:04:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

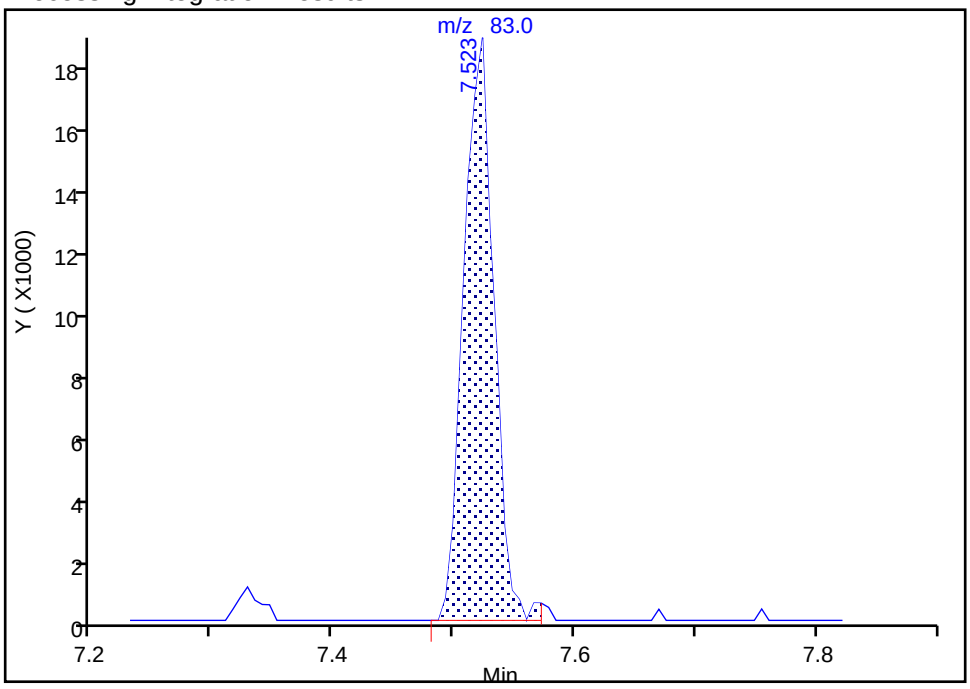
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2846.D
Injection Date: 26-Mar-2019 15:53:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

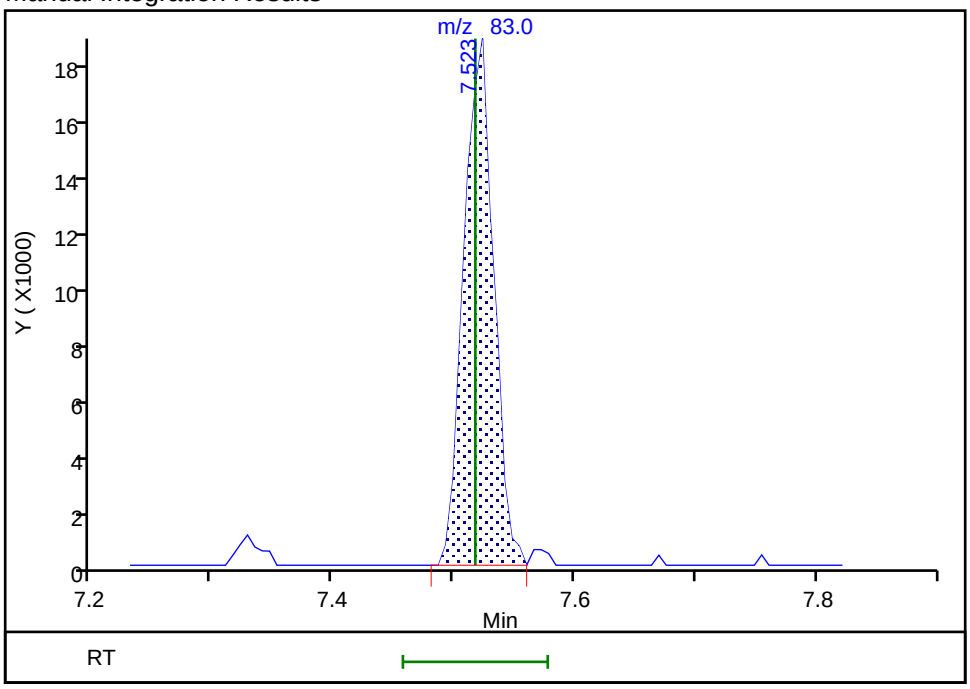
Processing Integration Results

RT: 7.52
Area: 32797
Amount: 5.028530
Amount Units: ug/L



Manual Integration Results

RT: 7.52
Area: 32388
Amount: 4.963296
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:05:02
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

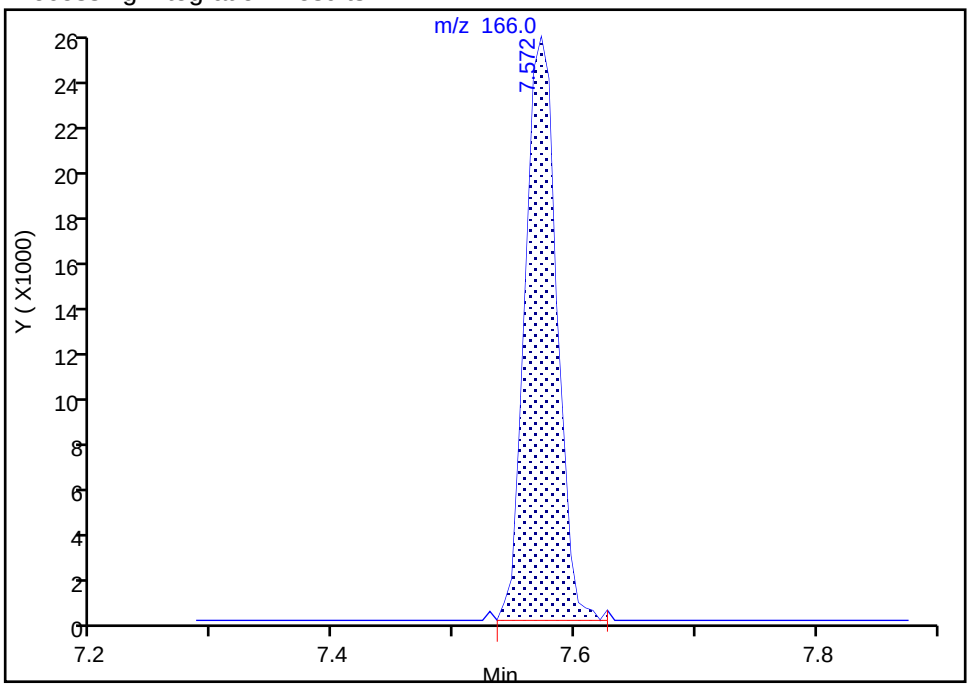
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2846.D
Injection Date: 26-Mar-2019 15:53:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: LH ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

81 Tetrachloroethene, CAS: 127-18-4

Signal: 1

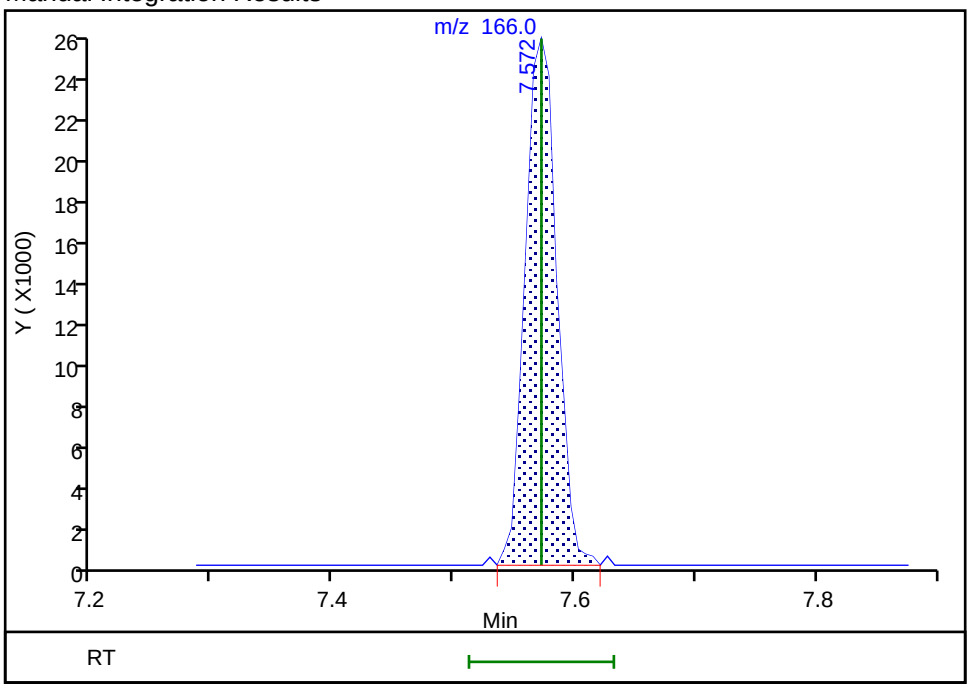
Processing Integration Results

RT: 7.57
Area: 45814
Amount: 4.781589
Amount Units: ug/L



Manual Integration Results

RT: 7.57
Area: 45656
Amount: 4.767064
Amount Units: ug/L



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

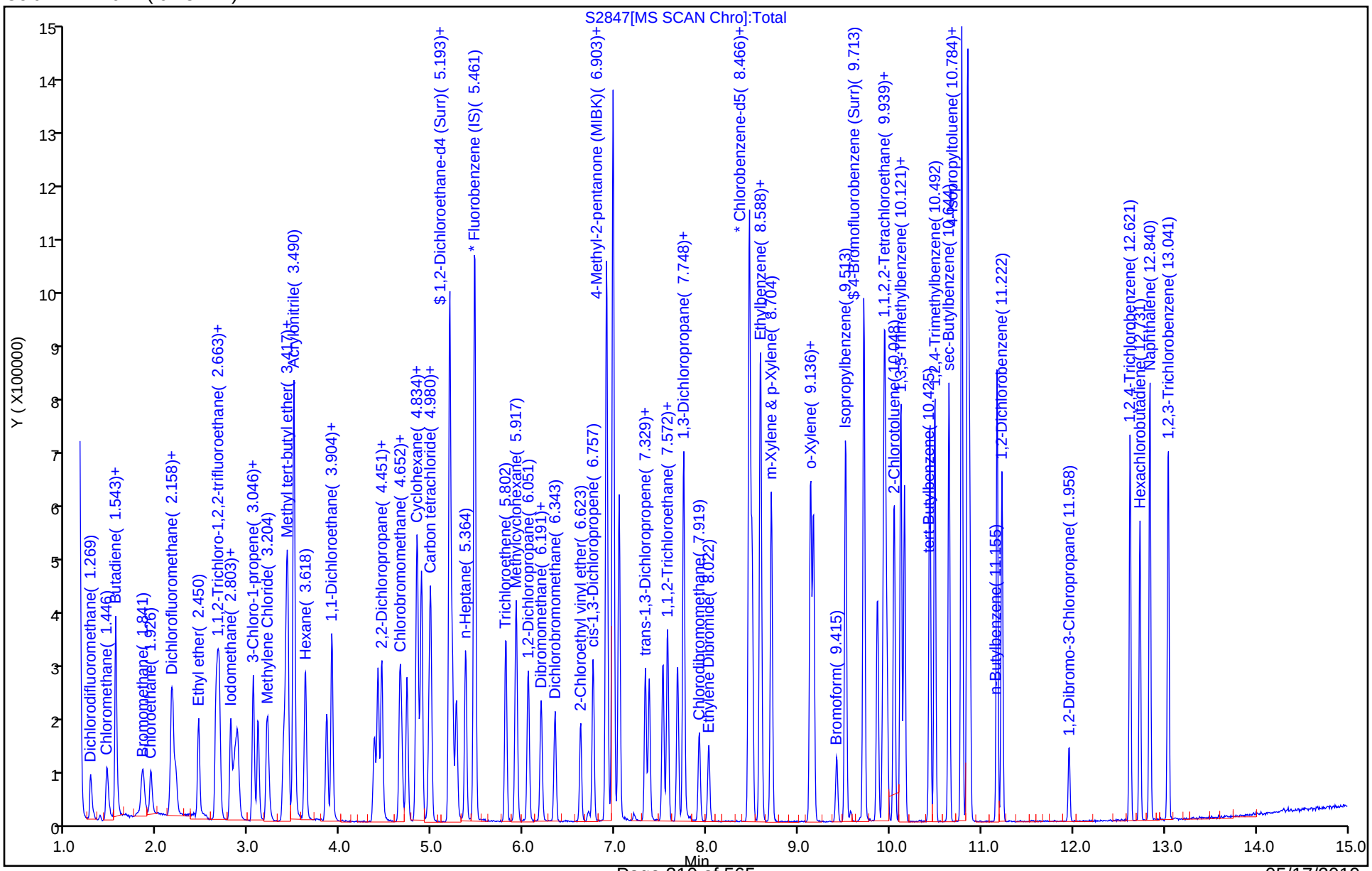
Report Date: 28-Mar-2019 12:18:58 Chrom Revision: 2.3 24-Mar-2019 20:11:04

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)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

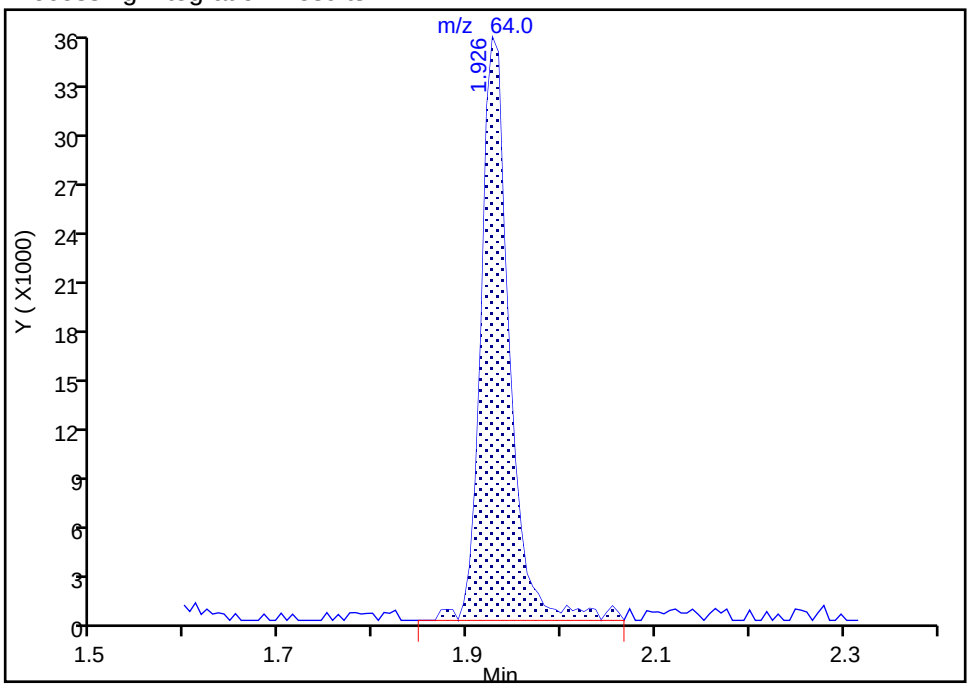
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2847.D
Injection Date: 26-Mar-2019 16:16:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

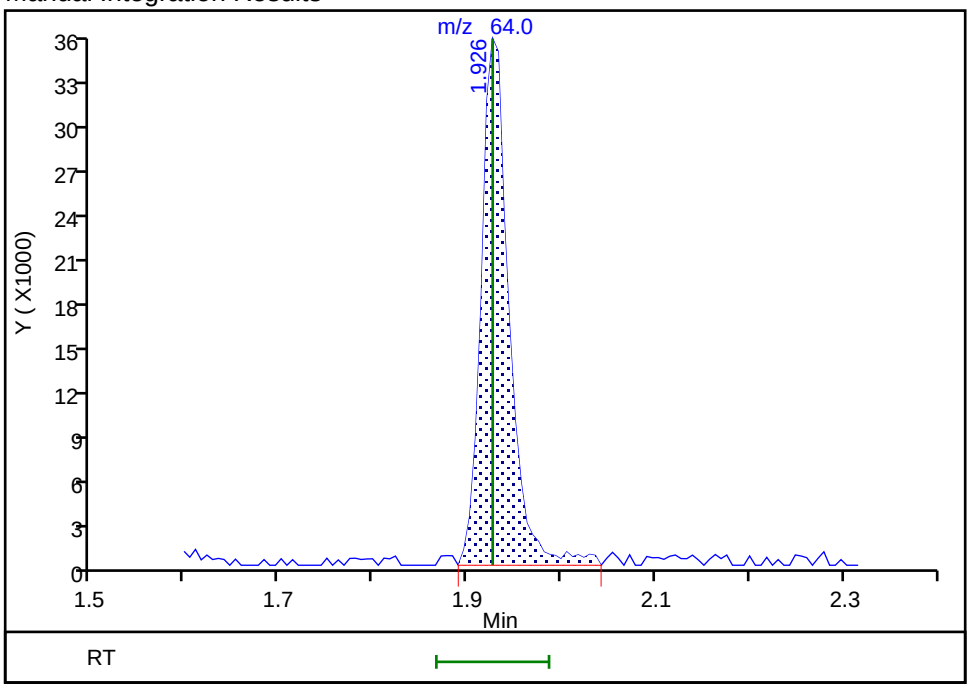
Processing Integration Results

RT: 1.93
Area: 74726
Amount: 10.274113
Amount Units: ug/L



Manual Integration Results

RT: 1.93
Area: 73357
Amount: 9.640712
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:06:15
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

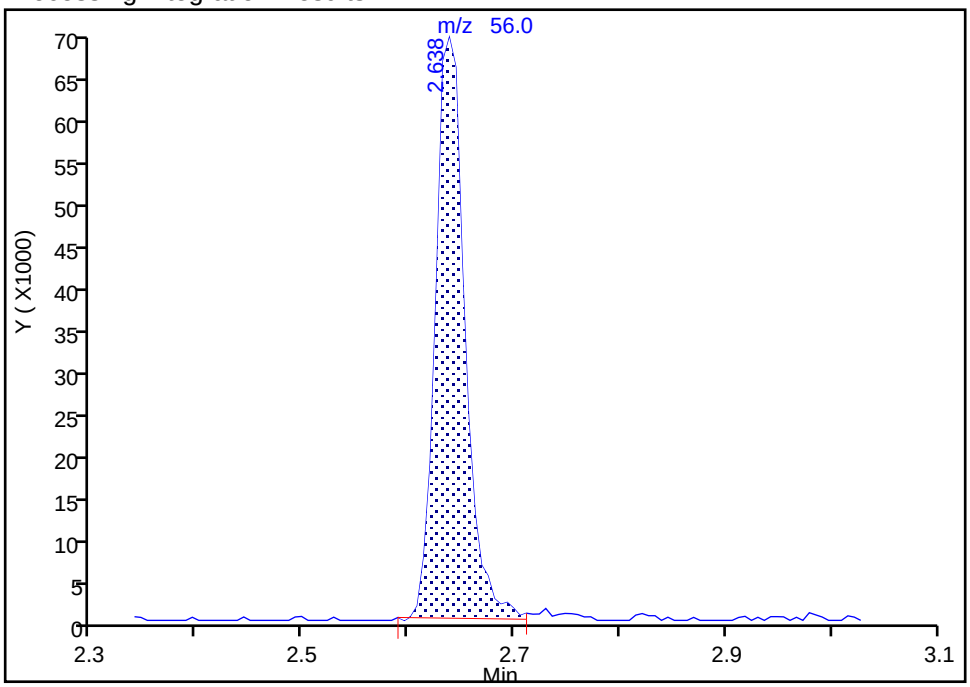
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2847.D
Injection Date: 26-Mar-2019 16:16:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

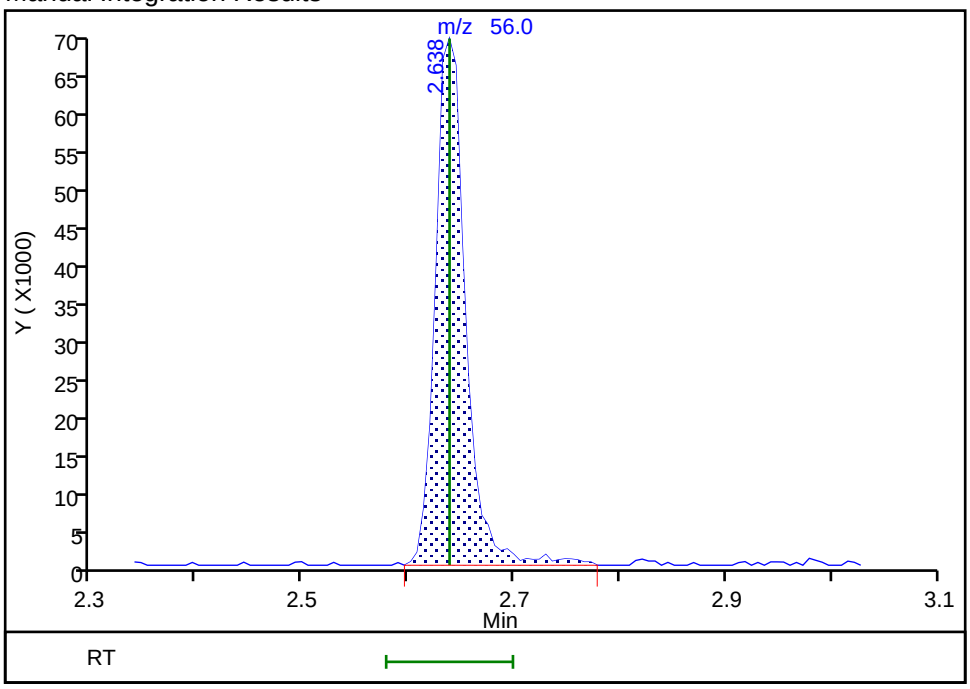
Processing Integration Results

RT: 2.64
Area: 134833
Amount: 49.406797
Amount Units: ug/L



Manual Integration Results

RT: 2.64
Area: 139238
Amount: 50.723885
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:06:30
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

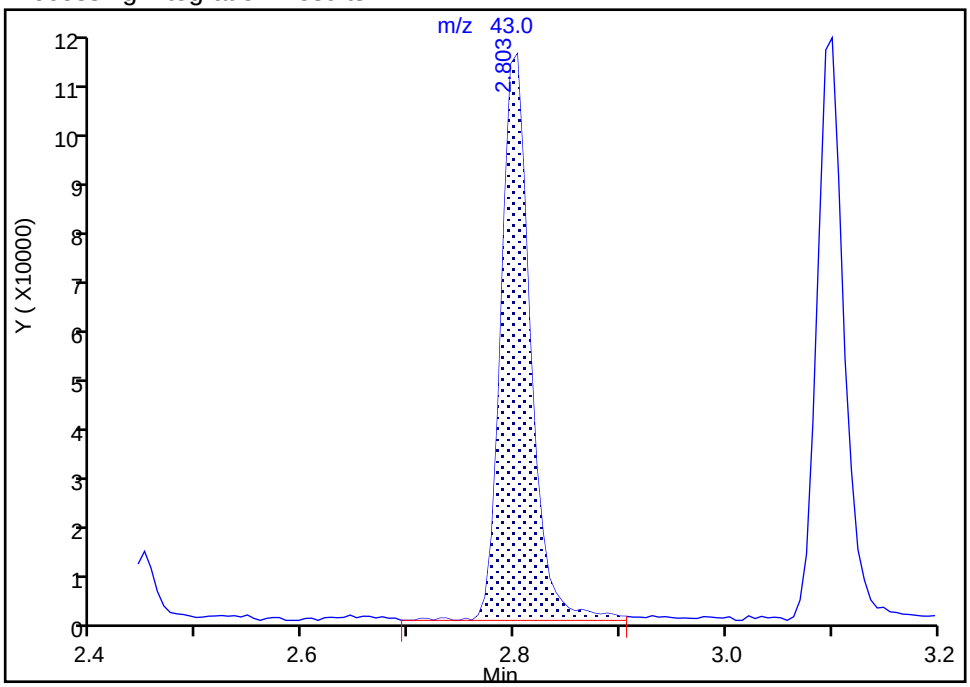
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2847.D
Injection Date: 26-Mar-2019 16:16:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

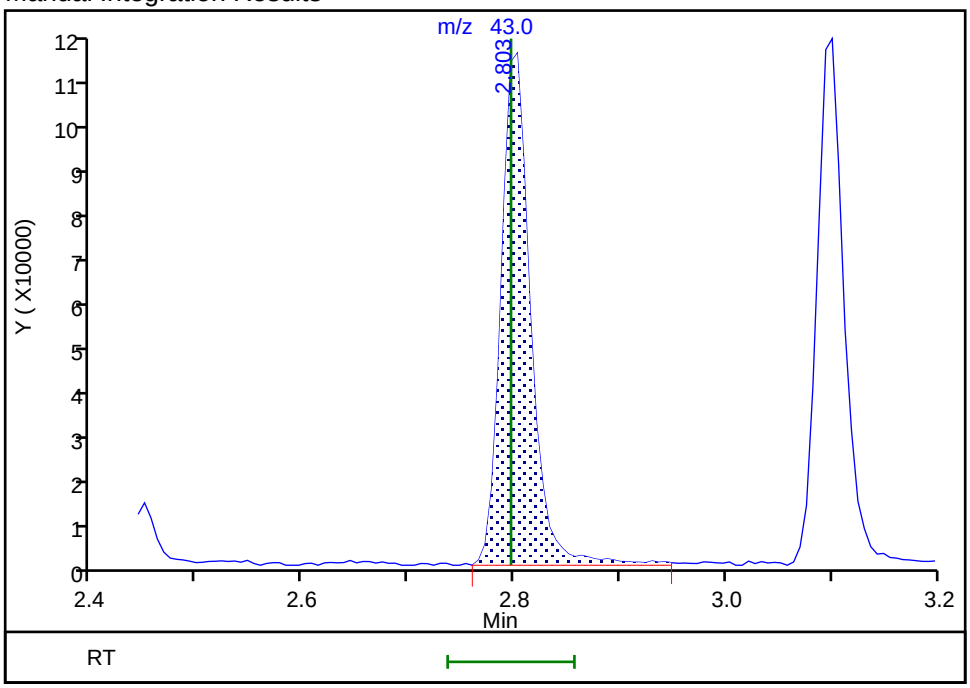
Processing Integration Results

RT: 2.80
Area: 224987
Amount: 50.460668
Amount Units: ug/L



Manual Integration Results

RT: 2.80
Area: 226012
Amount: 50.692551
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:07:03
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

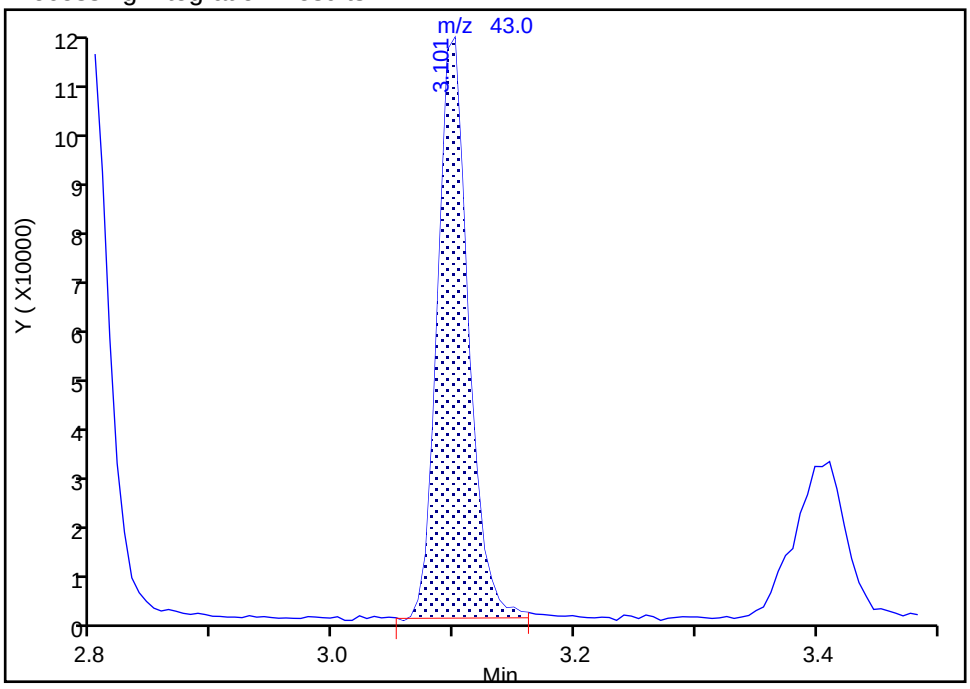
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2847.D
Injection Date: 26-Mar-2019 16:16:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

Signal: 1

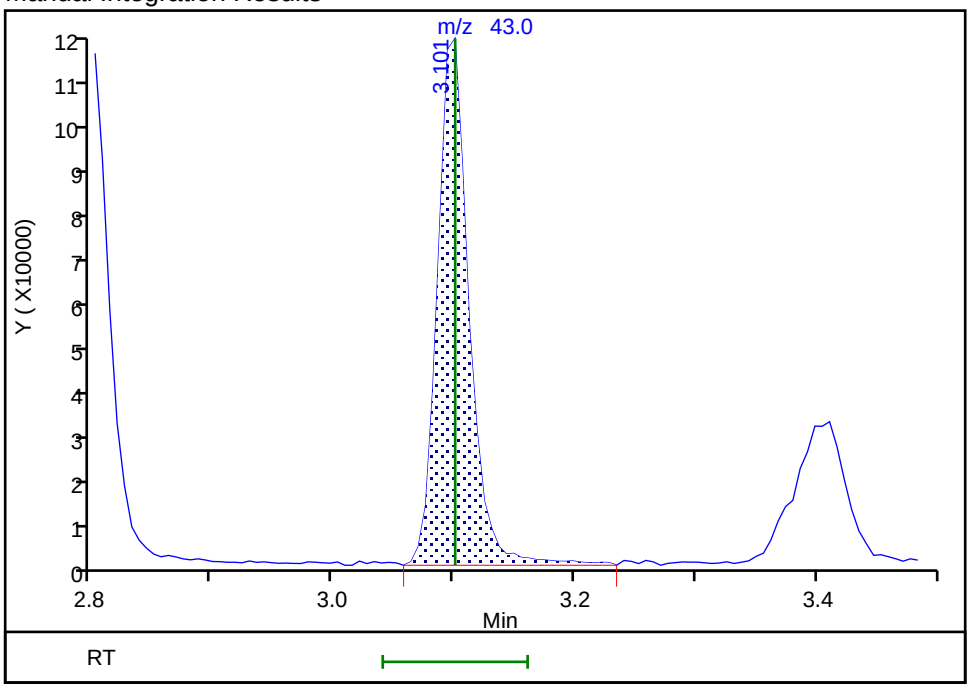
Processing Integration Results

RT: 3.10
Area: 210477
Amount: 19.464399
Amount Units: ug/L



Manual Integration Results

RT: 3.10
Area: 216909
Amount: 19.933227
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:16:39
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

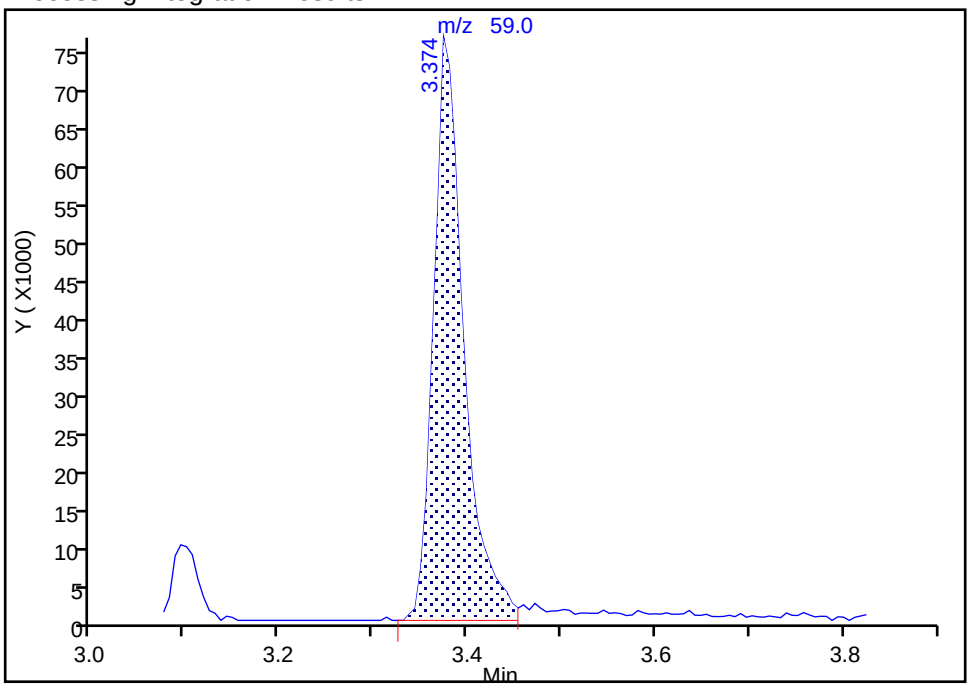
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2847.D
Injection Date: 26-Mar-2019 16:16:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

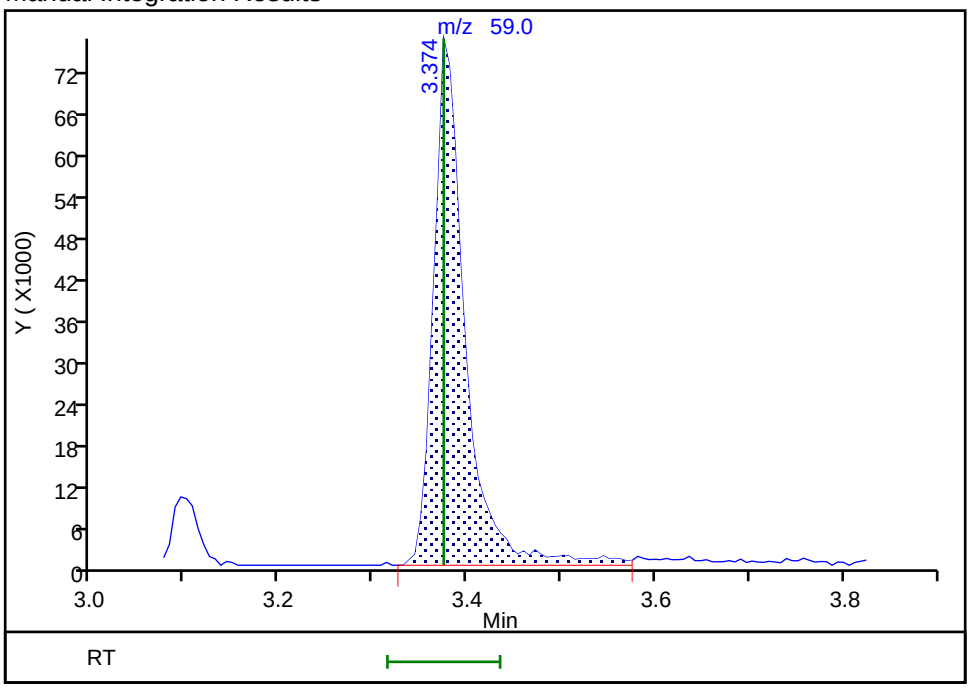
Processing Integration Results

RT: 3.37
Area: 170465
Amount: 101.4151
Amount Units: ug/L



Manual Integration Results

RT: 3.37
Area: 179120
Amount: 106.2917
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:07:45
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

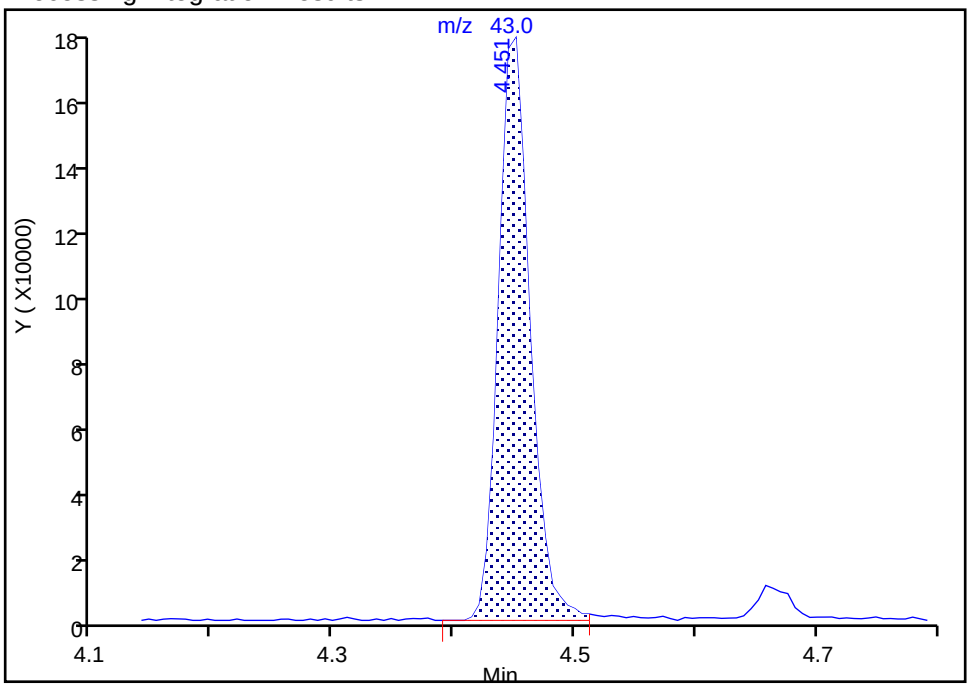
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2847.D
Injection Date: 26-Mar-2019 16:16:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

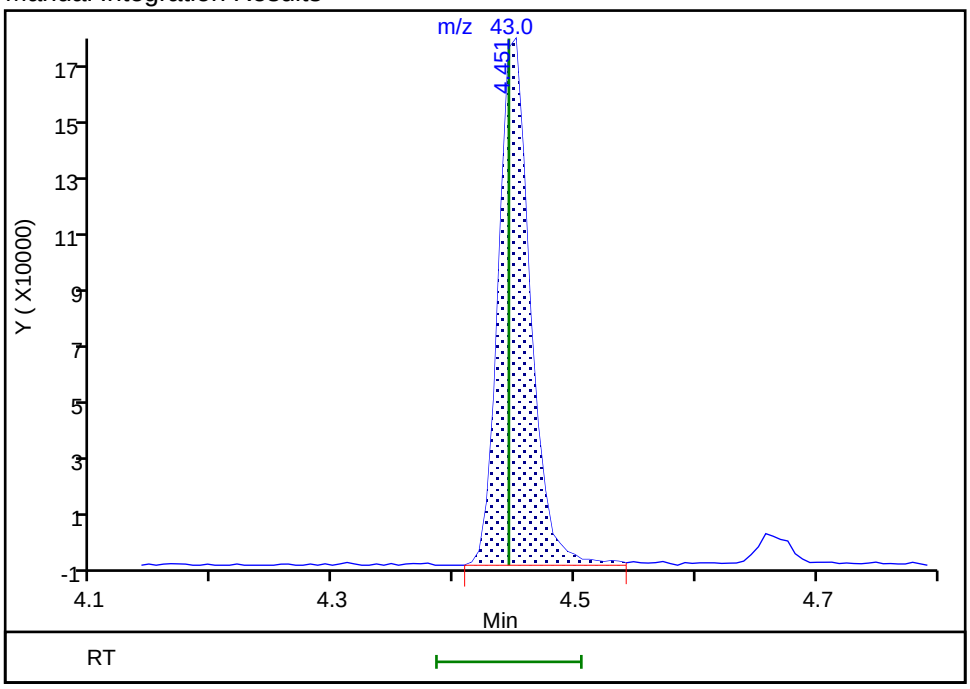
Processing Integration Results

RT: 4.45
Area: 326447
Amount: 52.231329
Amount Units: ug/L



Manual Integration Results

RT: 4.45
Area: 328822
Amount: 52.547948
Amount Units: ug/L



Reviewer: carrolln, 26-Mar-2019 23:22:14
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

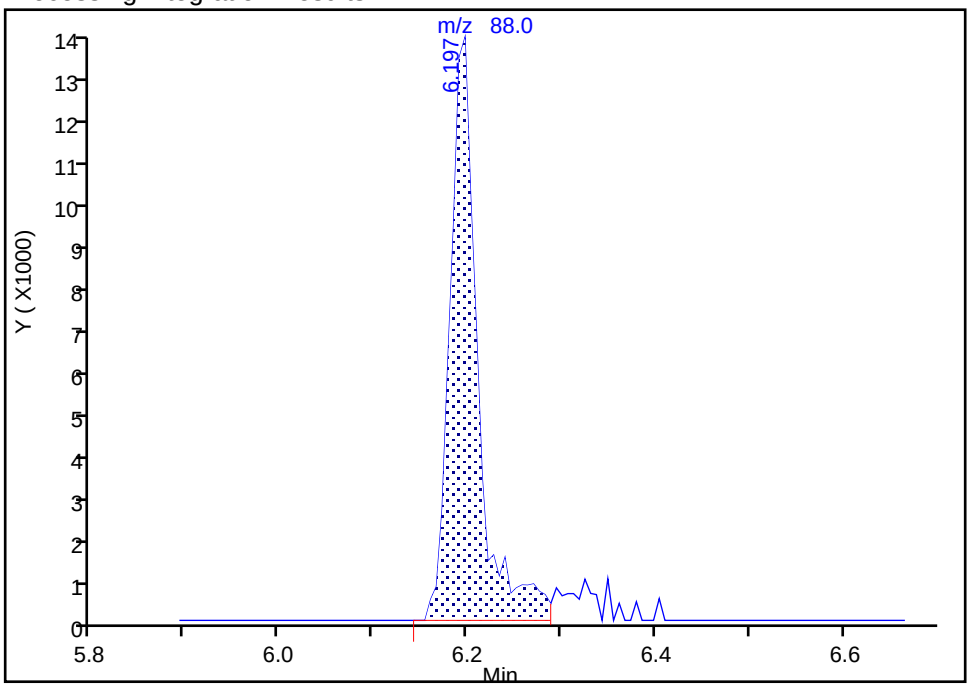
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2847.D
Injection Date: 26-Mar-2019 16:16:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

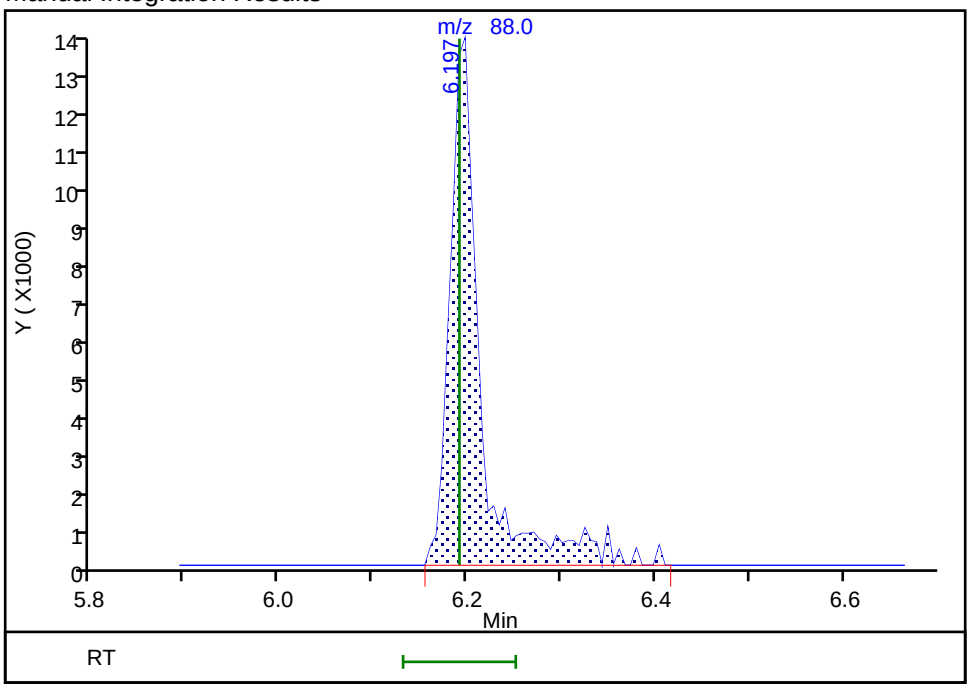
Processing Integration Results

RT: 6.20
Area: 28177
Amount: 219.5448
Amount Units: ug/L



Manual Integration Results

RT: 6.20
Area: 30962
Amount: 211.2315
Amount Units: ug/L



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

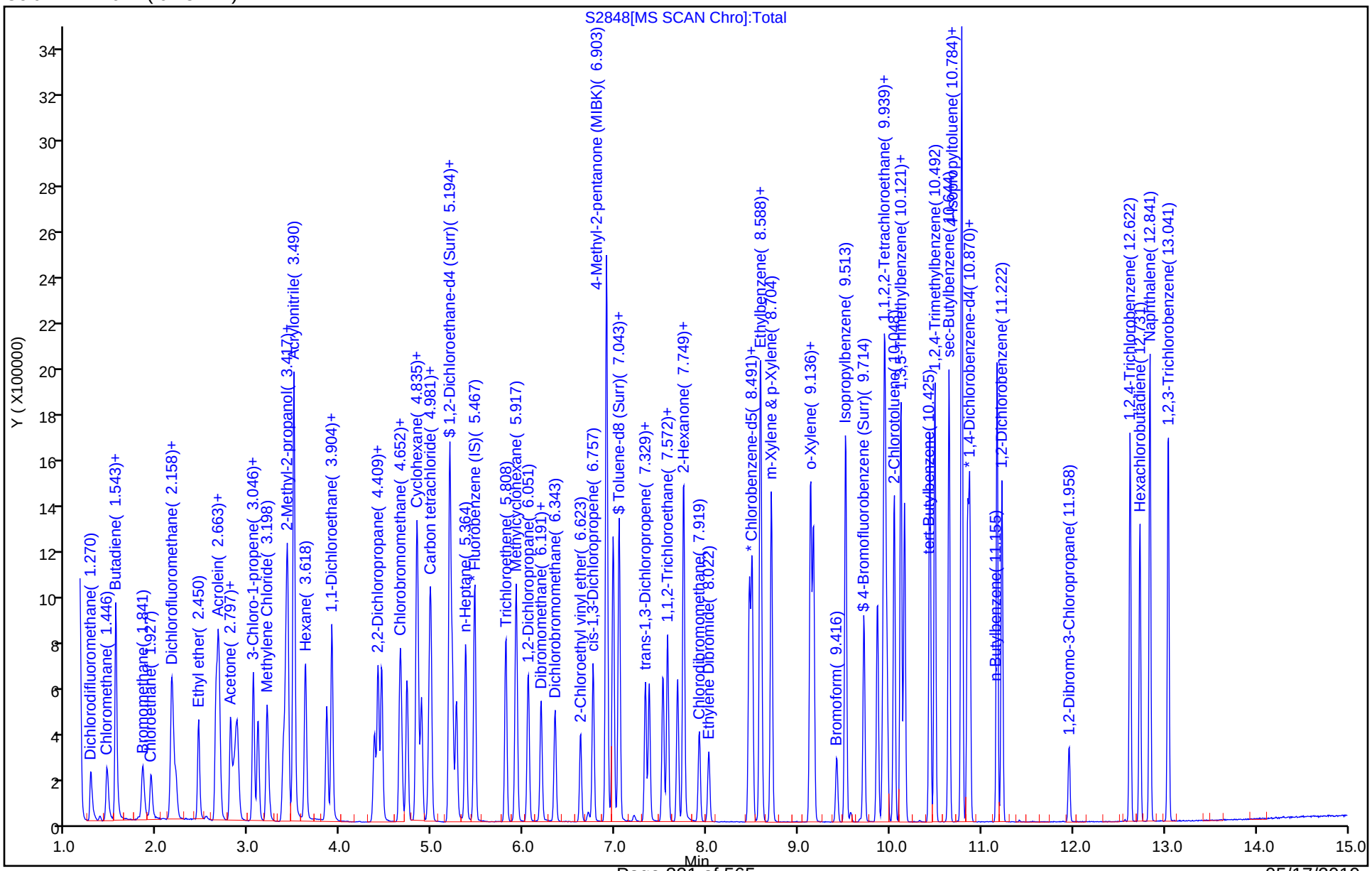
Report Date: 28-Mar-2019 12:19:11 Chrom Revision: 2.3 24-Mar-2019 20:11:04

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

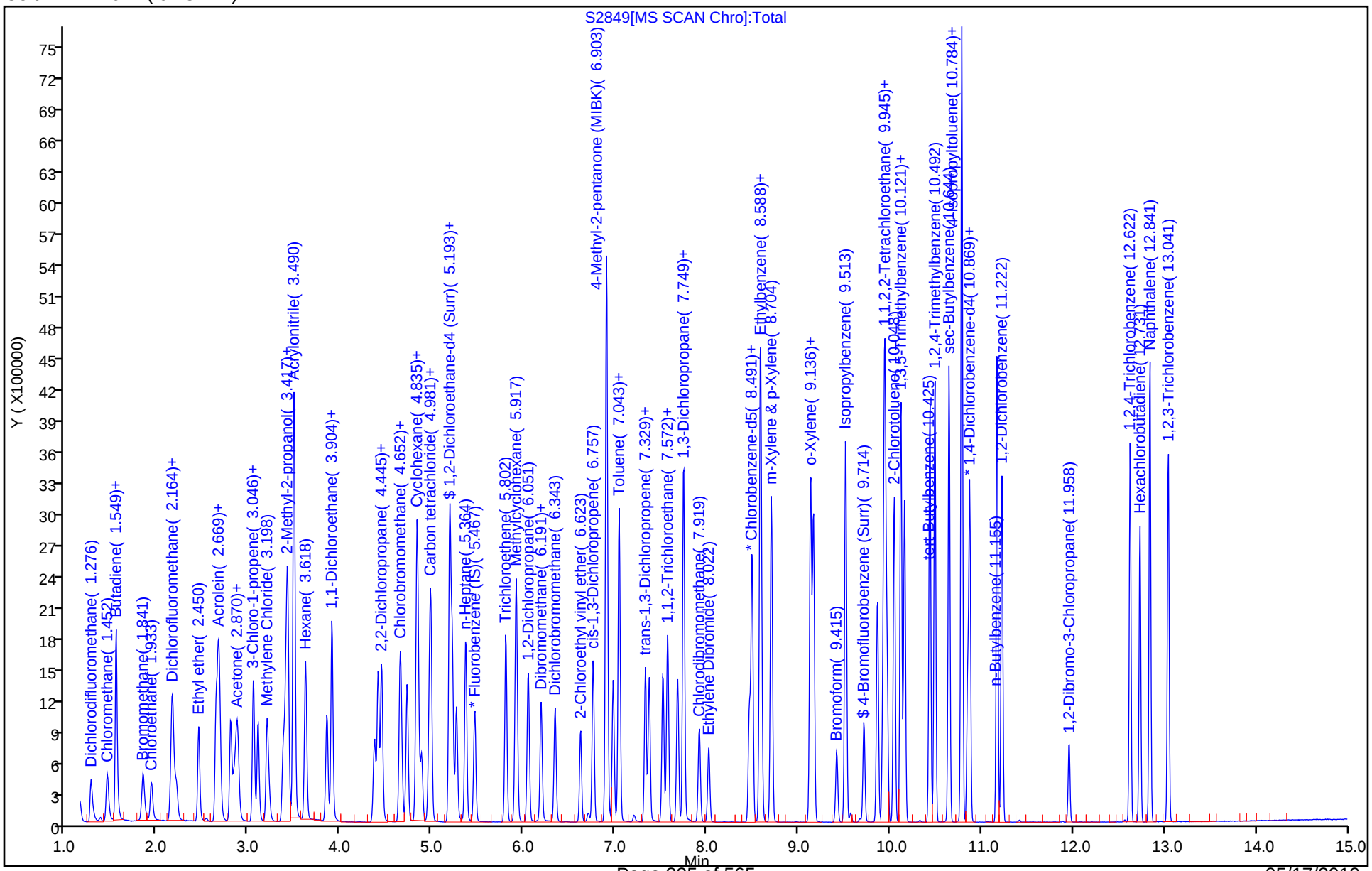
Report Date: 28-Mar-2019 12:19:21 Chrom Revision: 2.3 24-Mar-2019 20:11:04

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)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

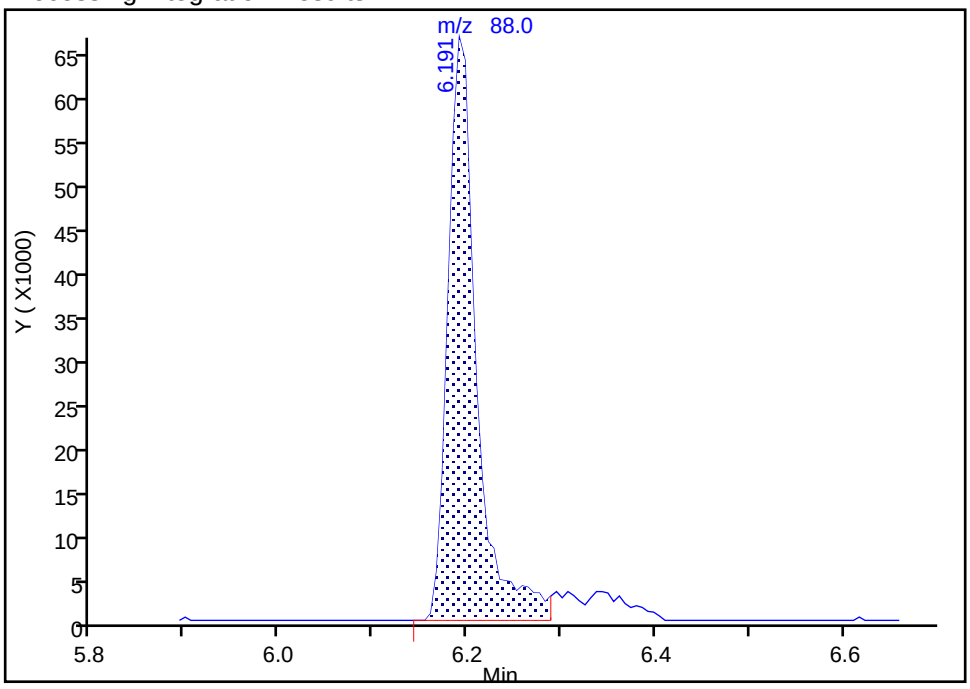
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2849.D
Injection Date: 26-Mar-2019 17:03:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

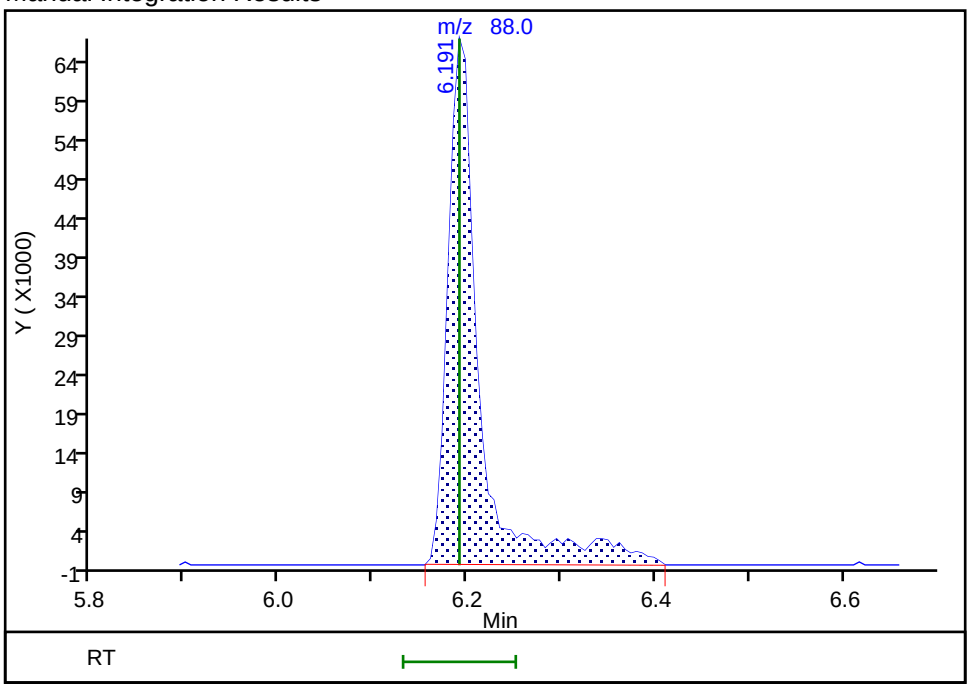
Processing Integration Results

RT: 6.19
Area: 139882
Amount: 963.3864
Amount Units: ug/L



Manual Integration Results

RT: 6.19
Area: 154922
Amount: 1051.0100
Amount Units: ug/L



Reviewer: HillL, 28-Mar-2019 11:42:51
Audit Action: Manually Integrated Audit Reason: Poor chromatography

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	

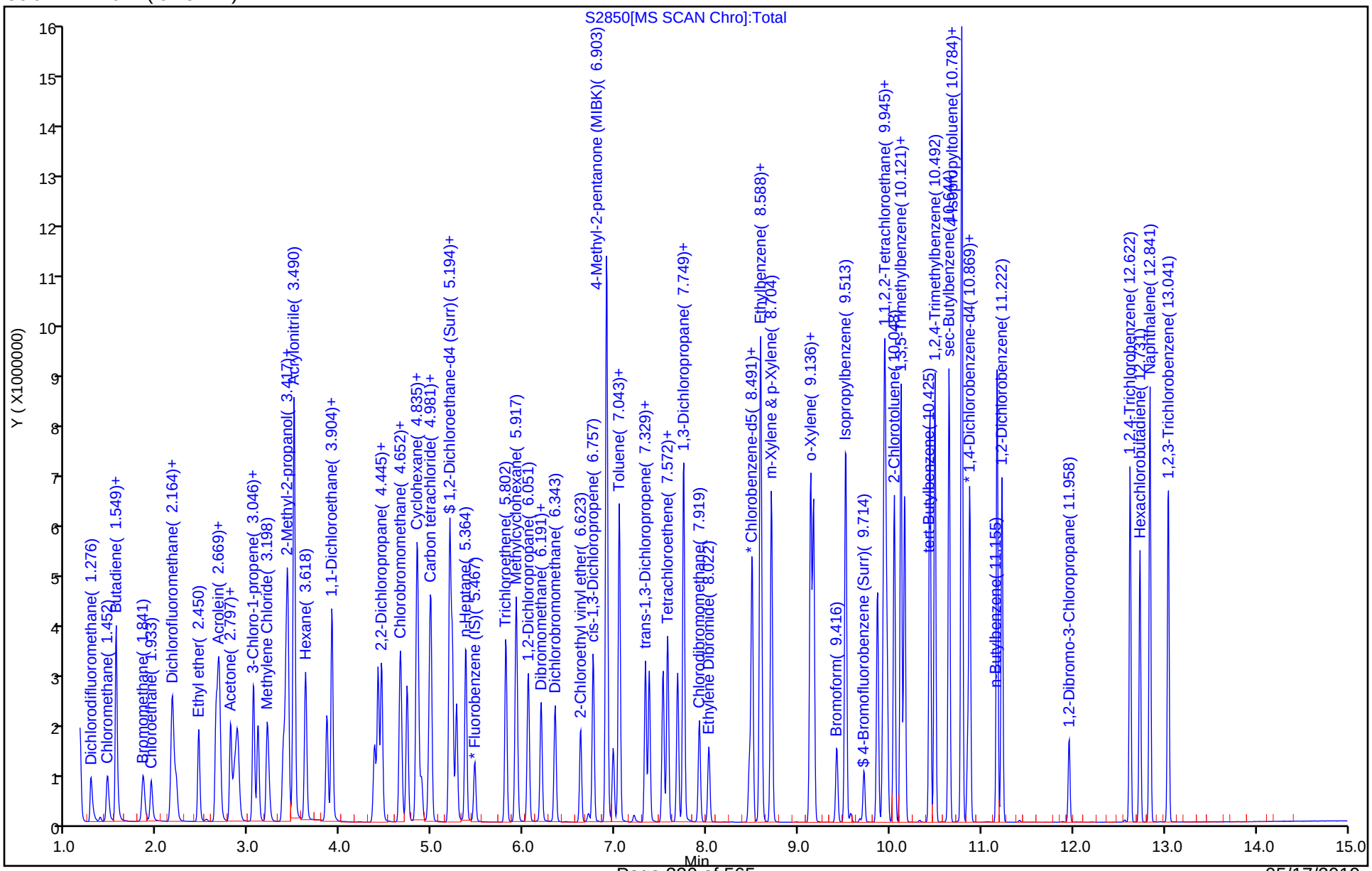
Report Date: 28-Mar-2019 12:19:32 Chrom Revision: 2.3 24-Mar-2019 20:11:04

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)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

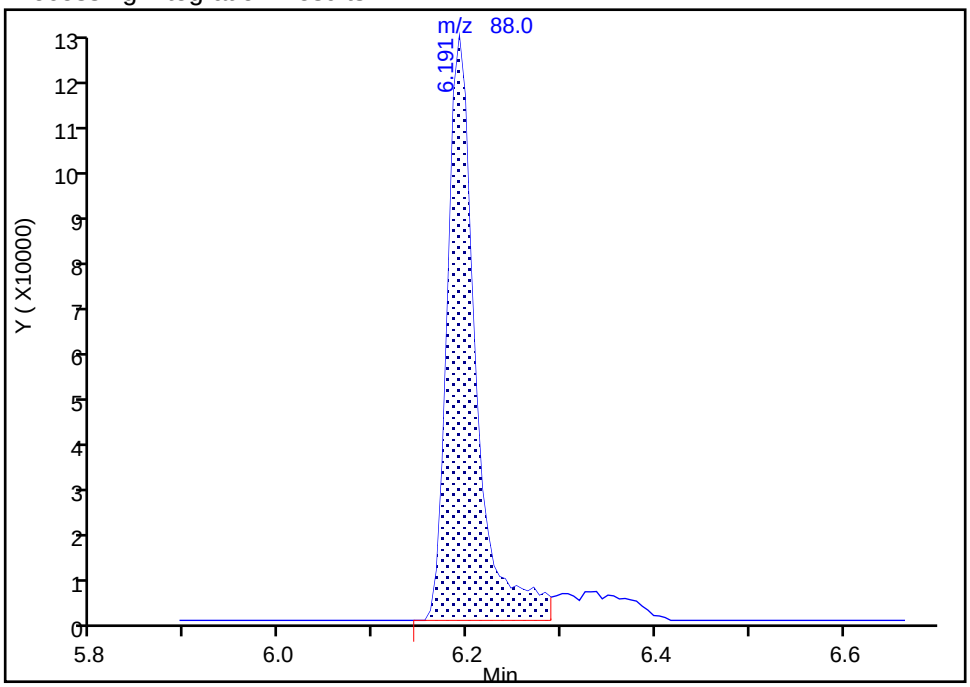
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190326-79693.b\S2850.D
Injection Date: 26-Mar-2019 17:26:30 Instrument ID: HP5973S
Lims ID: IC 7
Client ID:
Operator ID: LH ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

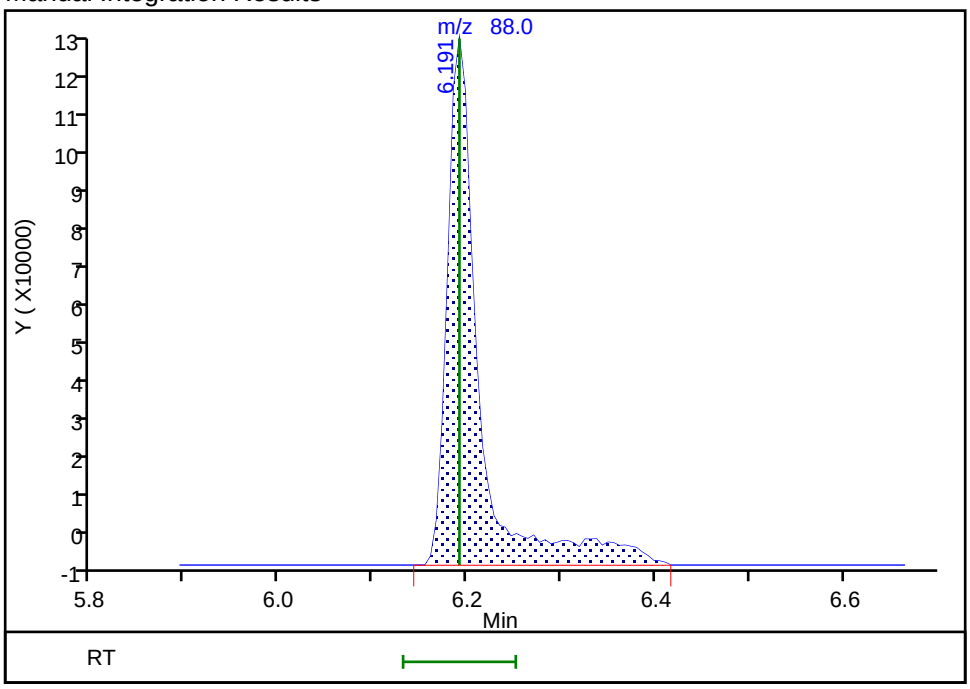
Processing Integration Results

RT: 6.19
Area: 257044
Amount: 1727.3713
Amount Units: ug/L



Manual Integration Results

RT: 6.19
Area: 288349
Amount: 1909.0584
Amount Units: ug/L



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.: 480-152814-1 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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
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.: 480-152814-1 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.: 480-152814-1 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.: 480-152814-1 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.: 480-152814-1 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.: 480-152814-1 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.: 480-152814-1 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.: 480-152814-1 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.: 480-152814-1 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.: 480-152814-1 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

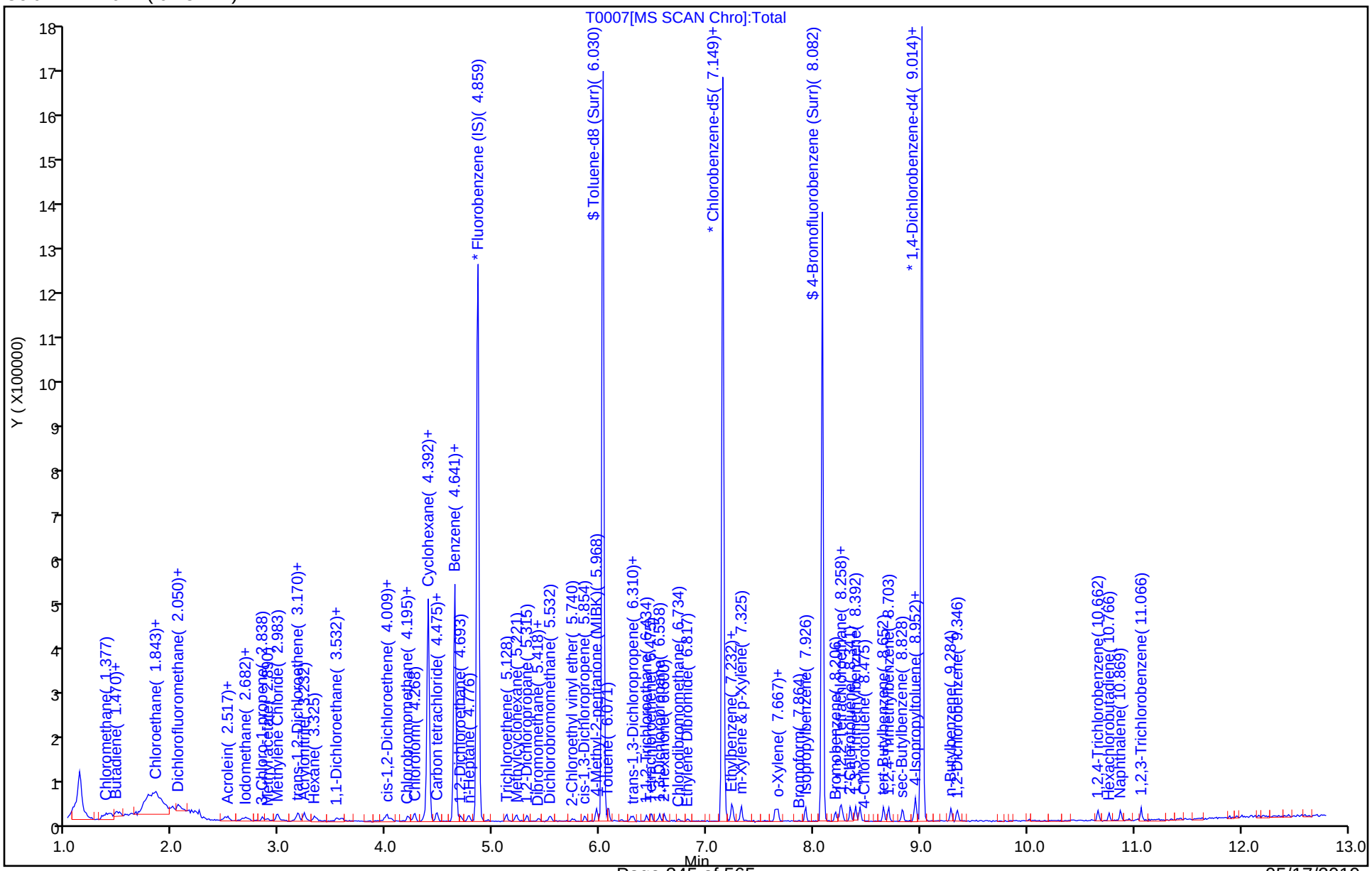
Report Date: 23-Apr-2019 13:29:22 Chrom Revision: 2.3 10-Apr-2019 17:48:54

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	Operator ID:	KN
Lims ID:	IC 0.4			Worklist Smp#:	5
Client ID:					
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

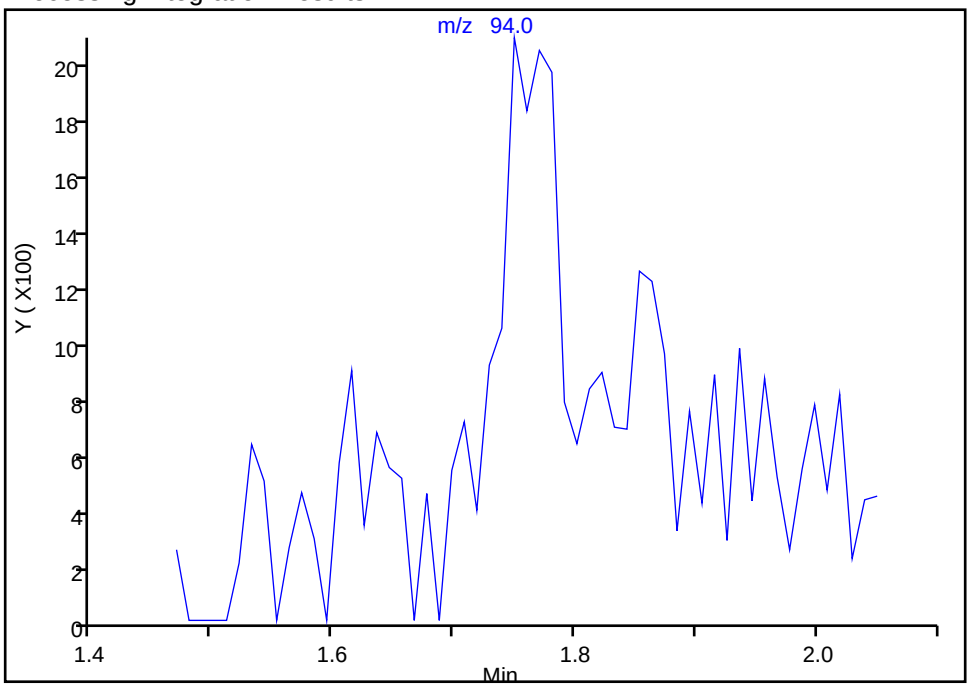
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

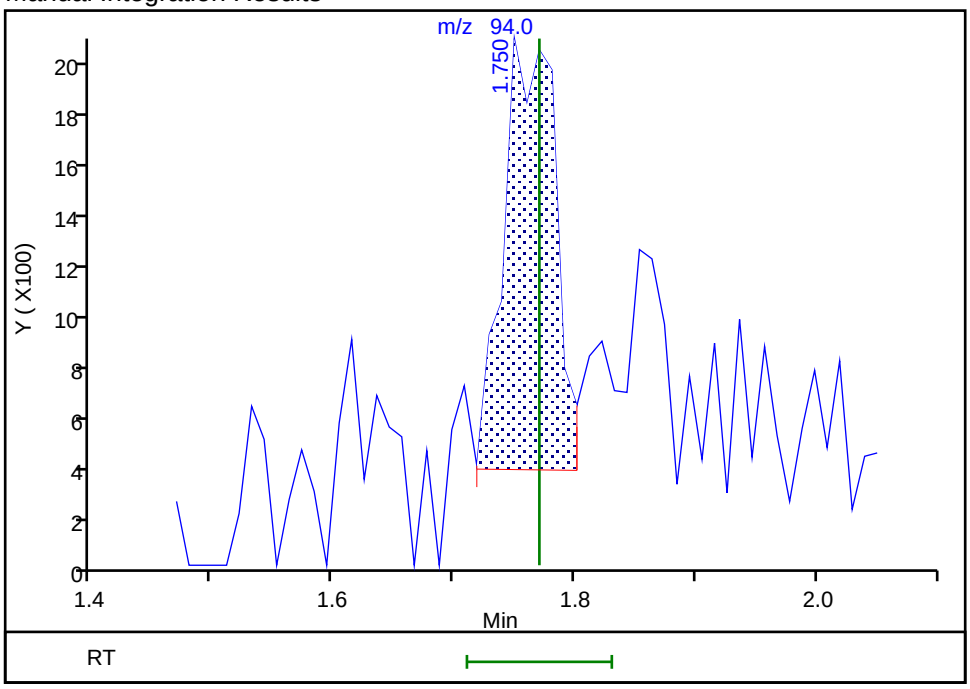
Not Detected
Expected RT: 1.77

Processing Integration Results



Manual Integration Results

RT: 1.75
Area: 5066
Amount: 0.503056
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:14:15
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

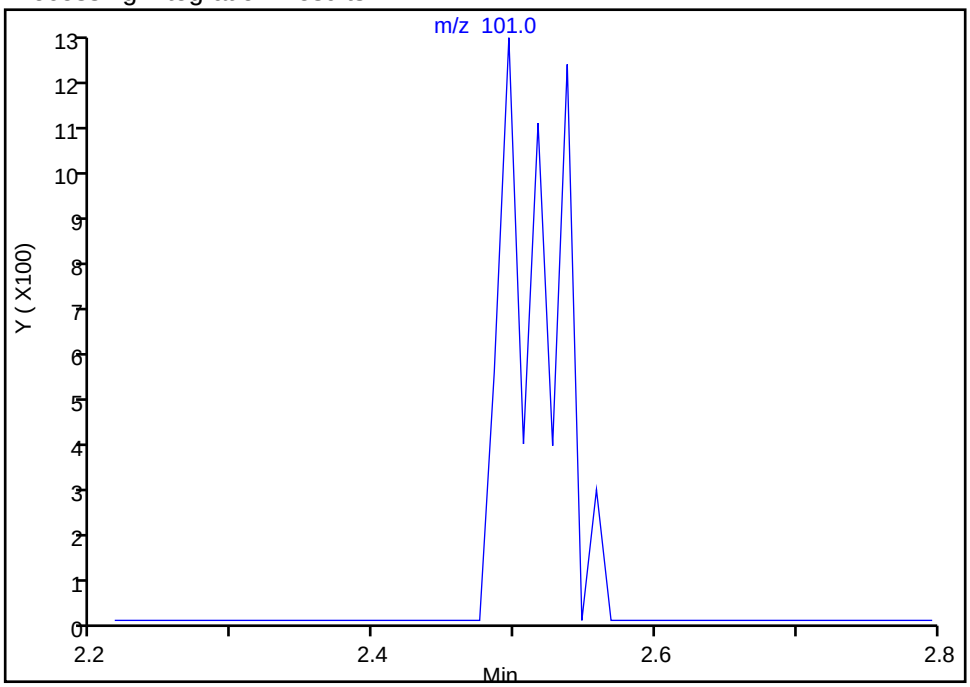
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

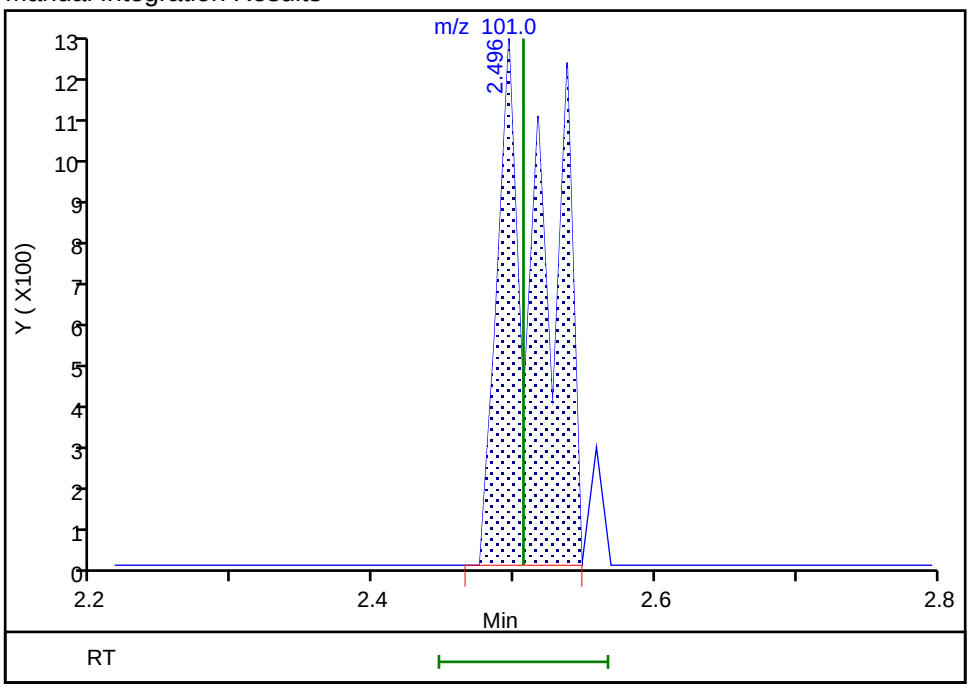
Not Detected
Expected RT: 2.51

Processing Integration Results



Manual Integration Results

RT: 2.50
Area: 2978
Amount: 0.364078
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:14:24
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

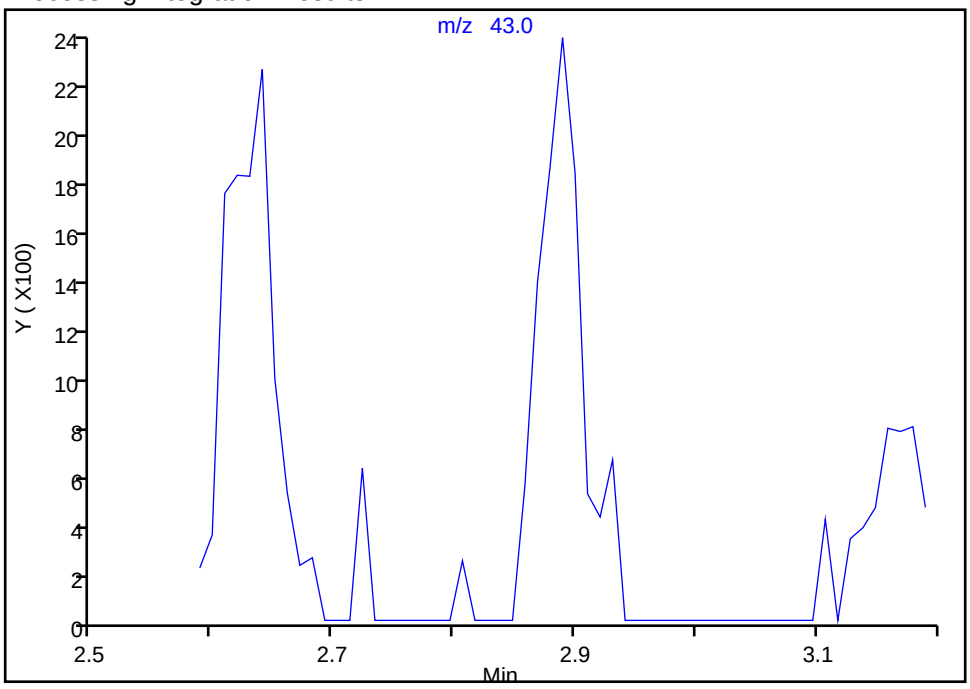
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

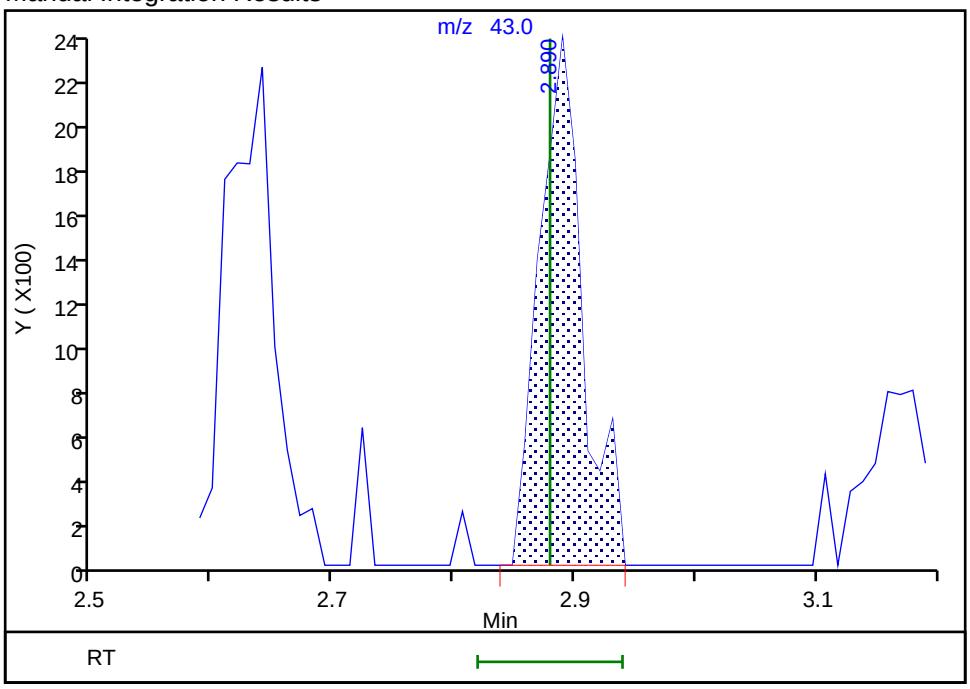
Not Detected
Expected RT: 2.88

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

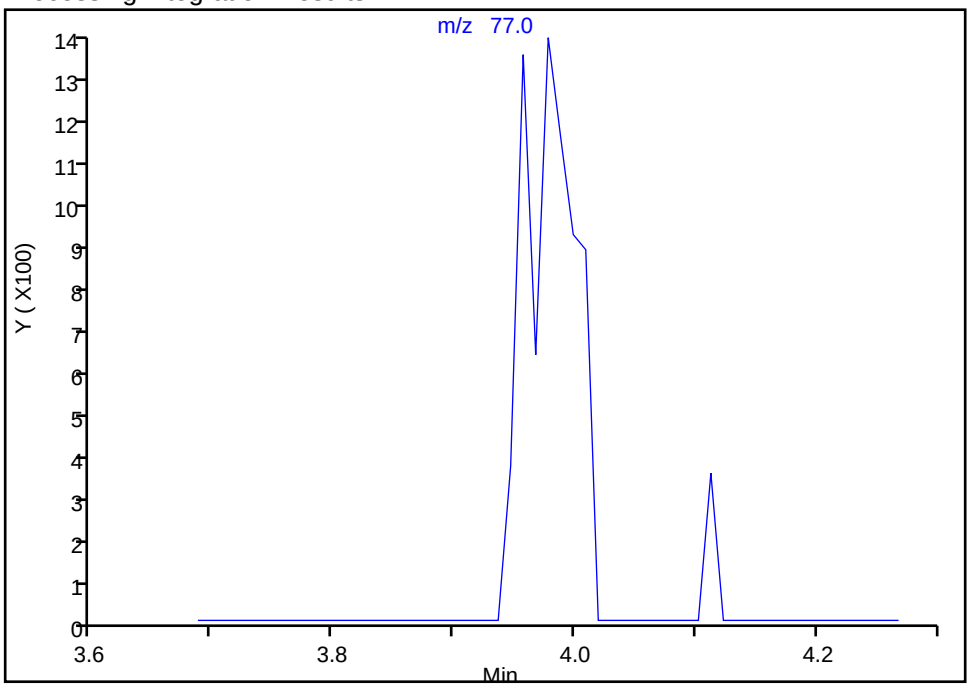
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

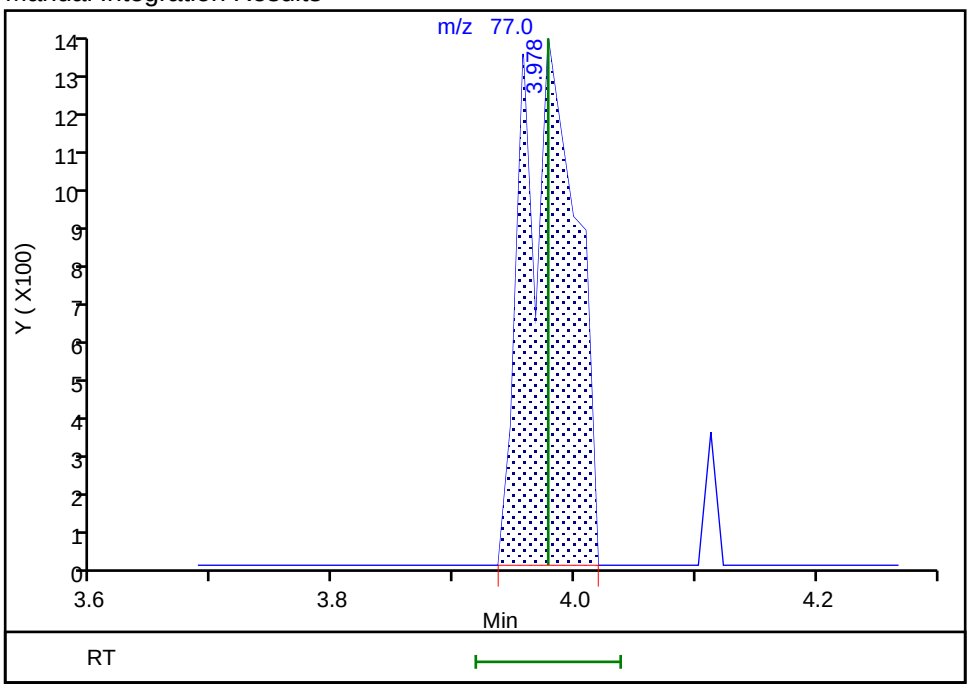
Not Detected
Expected RT: 3.98

Processing Integration Results



Manual Integration Results

RT: 3.98
Area: 4018
Amount: 0.347008
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:14:41
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

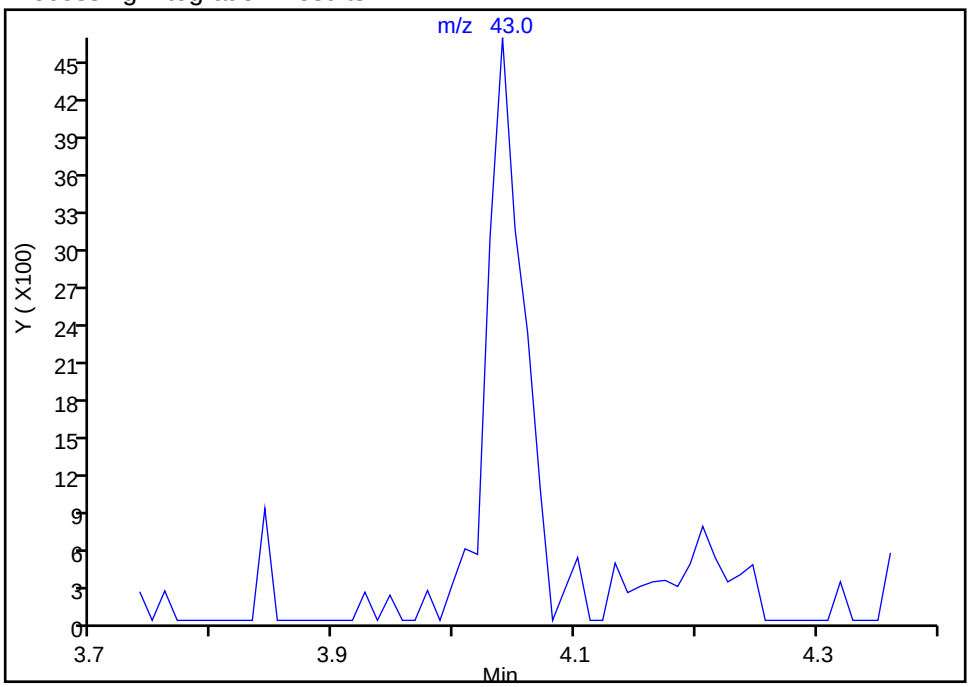
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

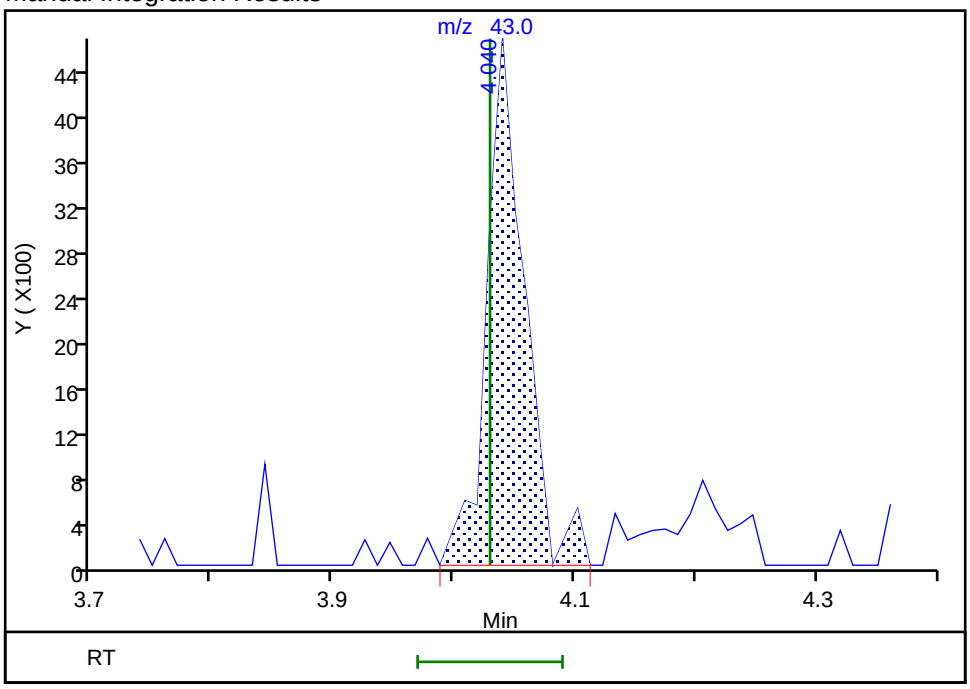
Not Detected
Expected RT: 4.03

Processing Integration Results



Manual Integration Results

RT: 4.04
Area: 10086
Amount: 2.362295
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:14:47
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

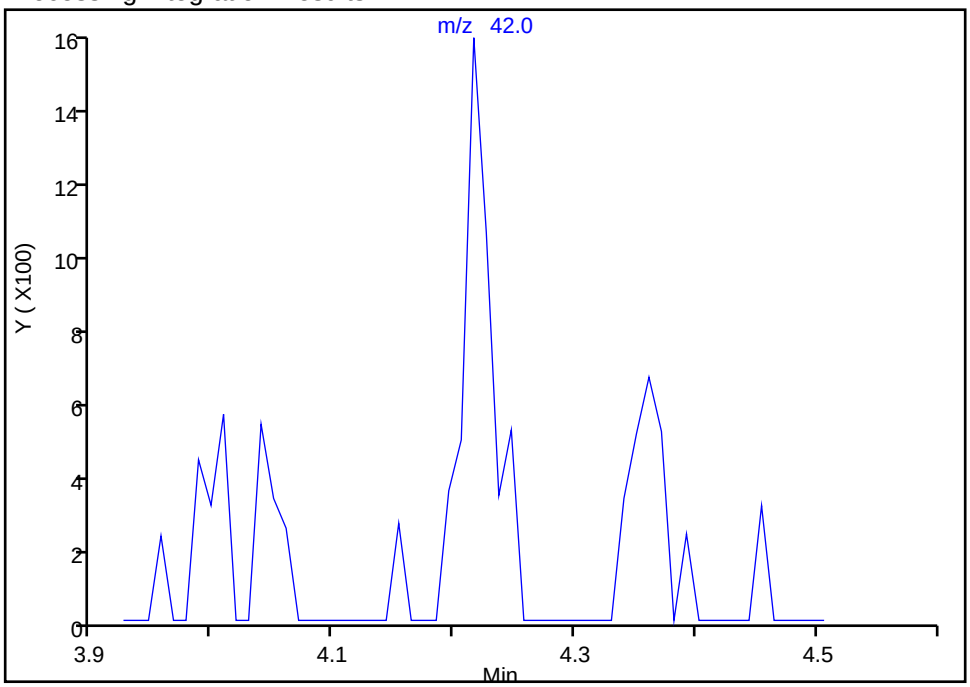
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

48 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

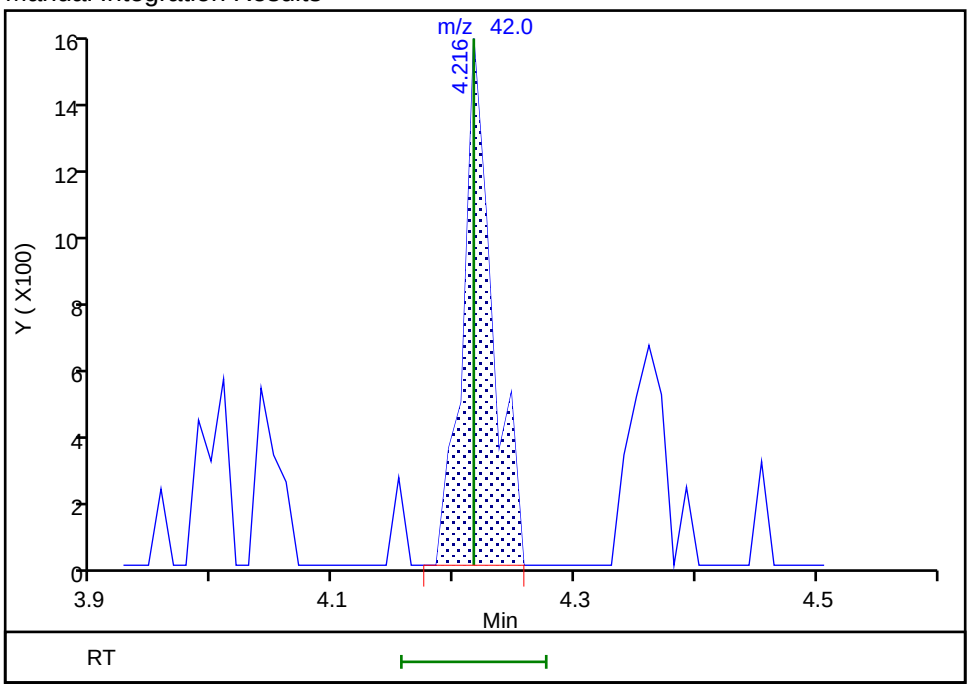
Not Detected
Expected RT: 4.22

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

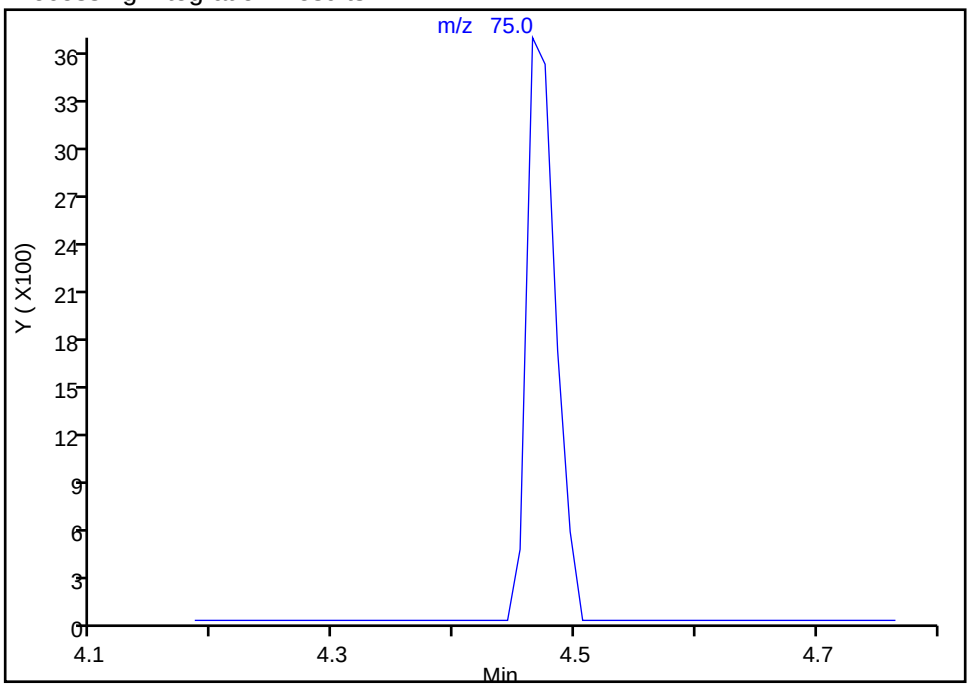
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

54 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

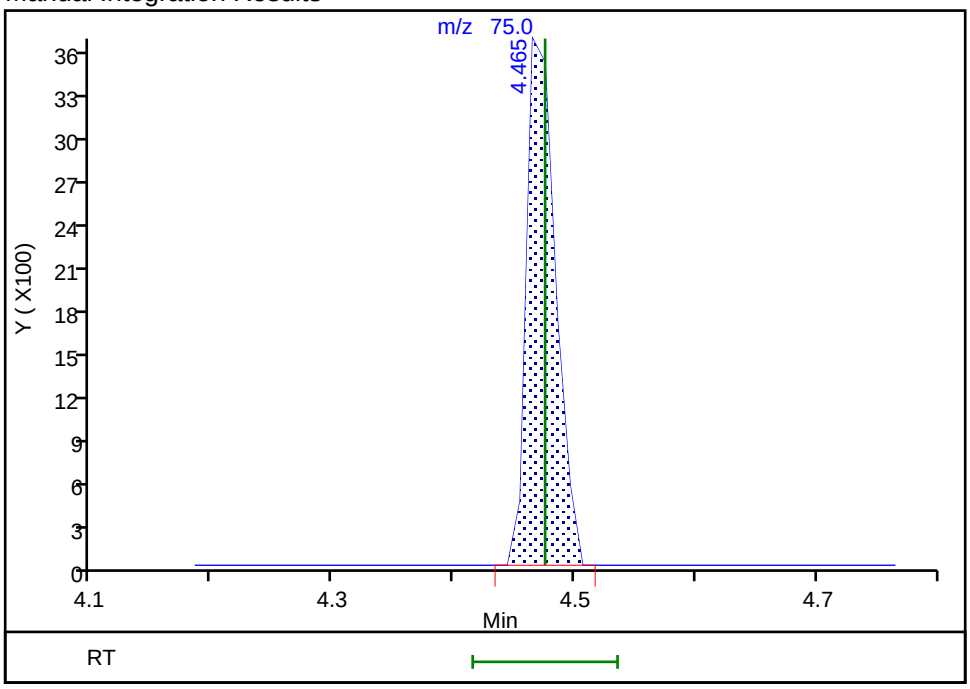
Not Detected
Expected RT: 4.48

Processing Integration Results



Manual Integration Results

RT: 4.46
Area: 6065
Amount: 0.470477
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:14:58
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

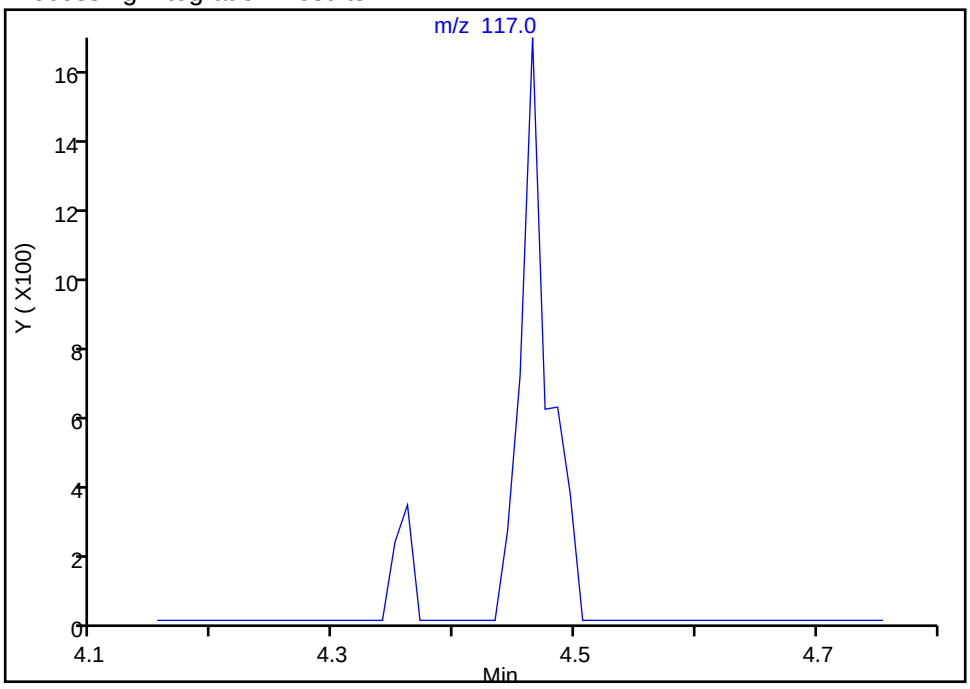
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

53 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

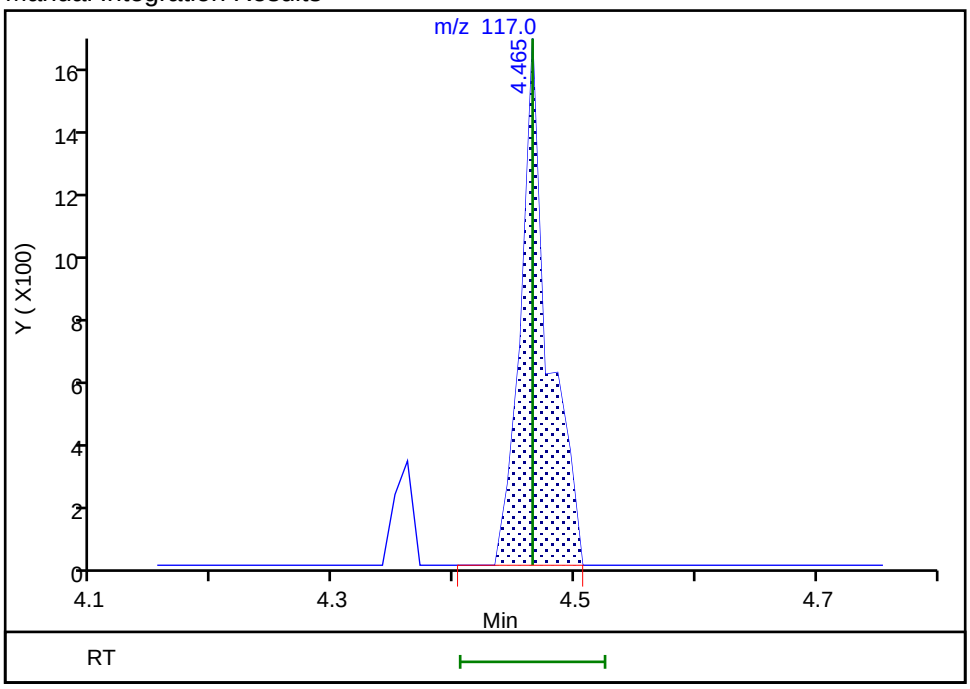
Not Detected
Expected RT: 4.46

Processing Integration Results



Manual Integration Results

RT: 4.46
Area: 2604
Amount: 0.321085
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:14:55
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

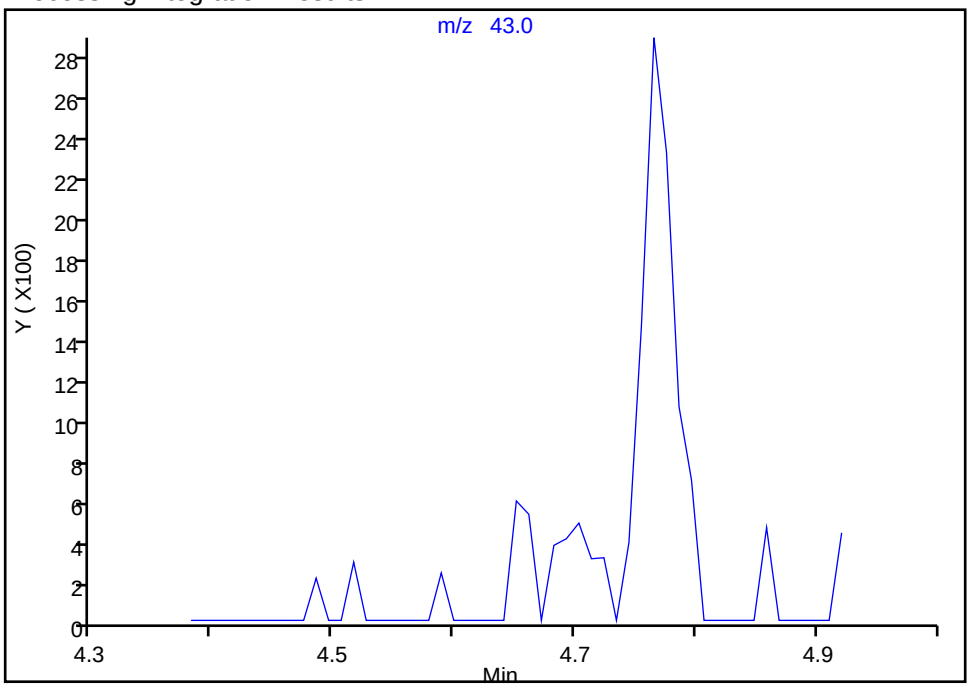
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

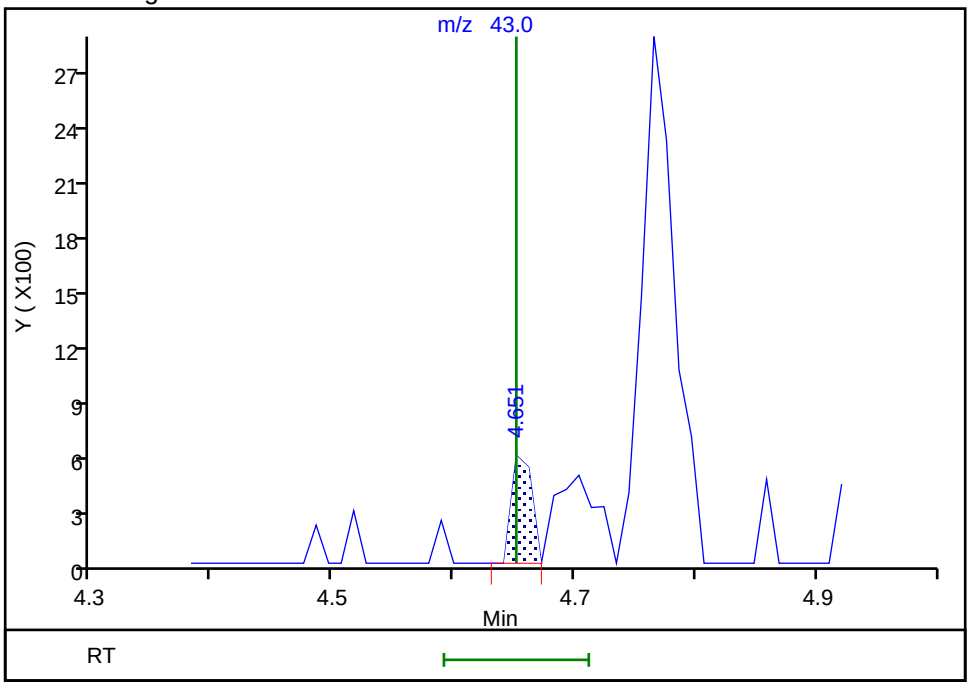
Not Detected
Expected RT: 4.65

Processing Integration Results



Manual Integration Results

RT: 4.65
Area: 691
Amount: 3.161855
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:15:02
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

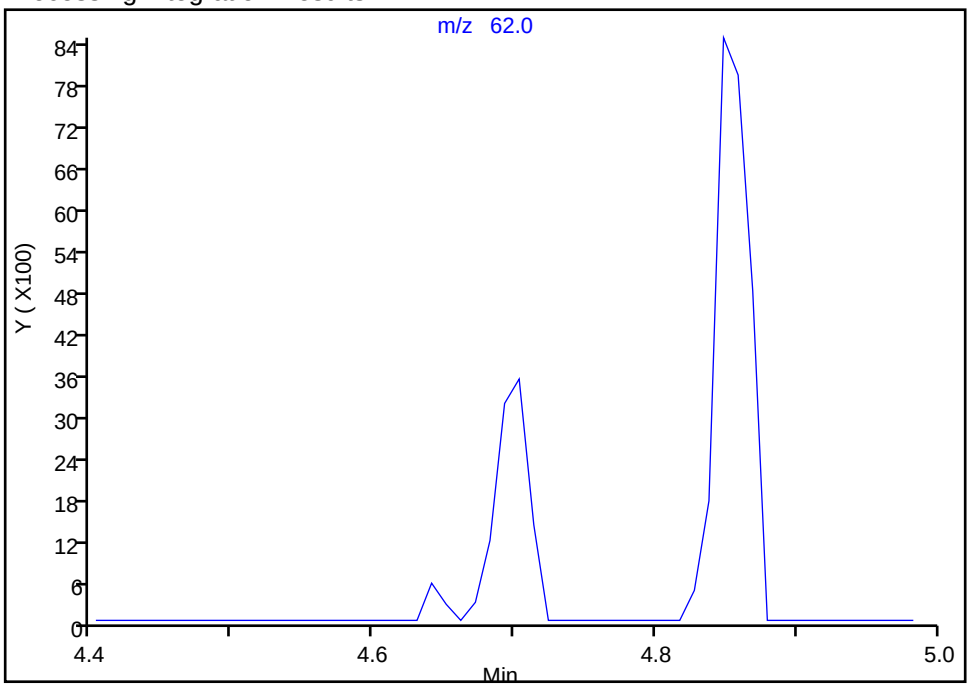
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

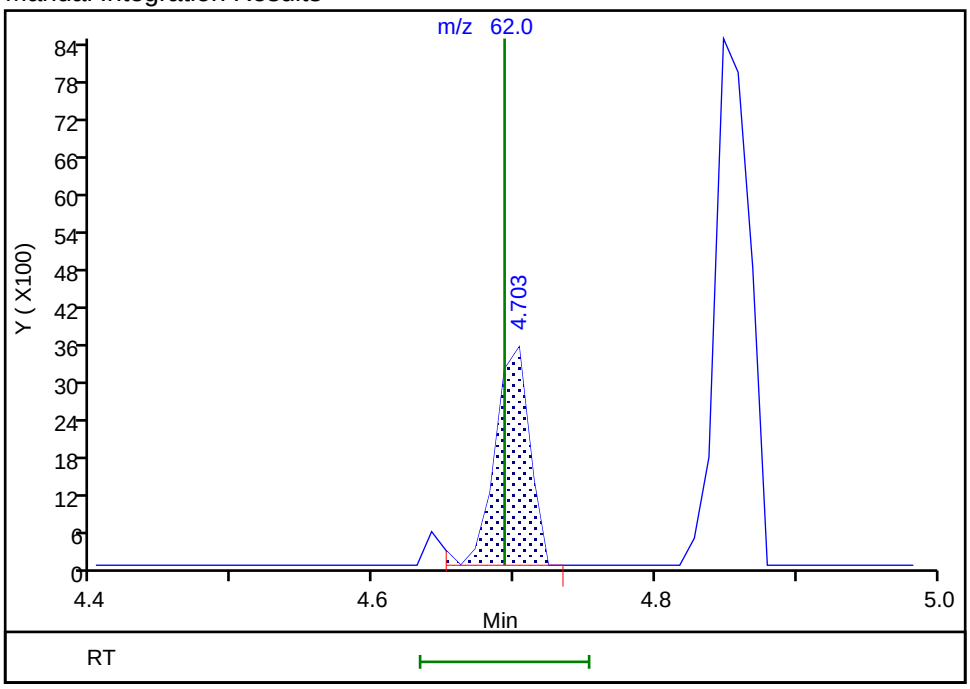
Not Detected
Expected RT: 4.69

Processing Integration Results



Manual Integration Results

RT: 4.70
Area: 5994
Amount: 0.424569
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:15:06
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

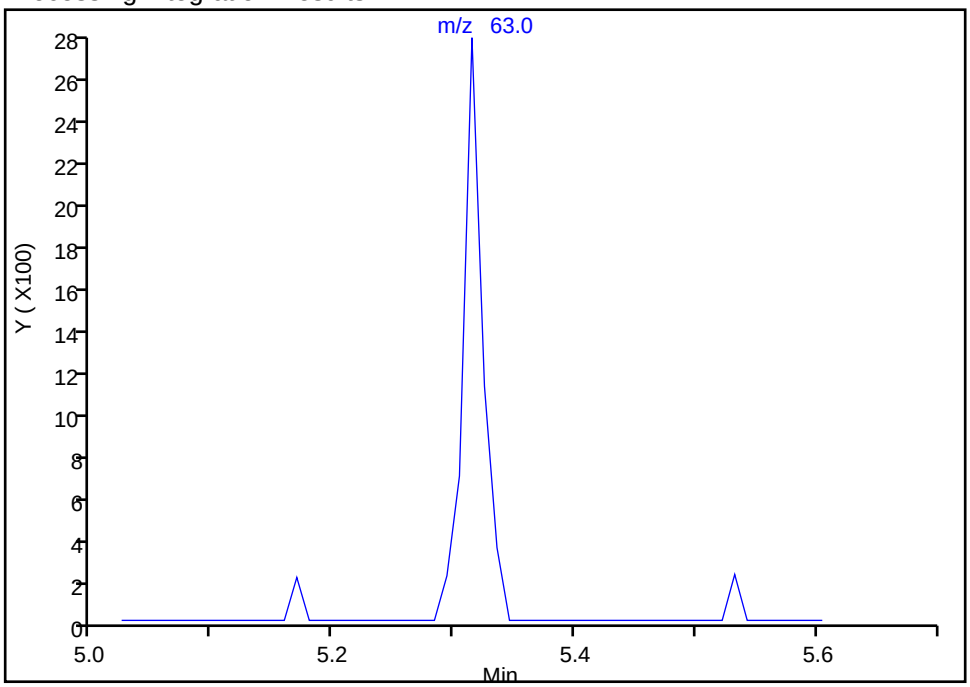
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

63 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

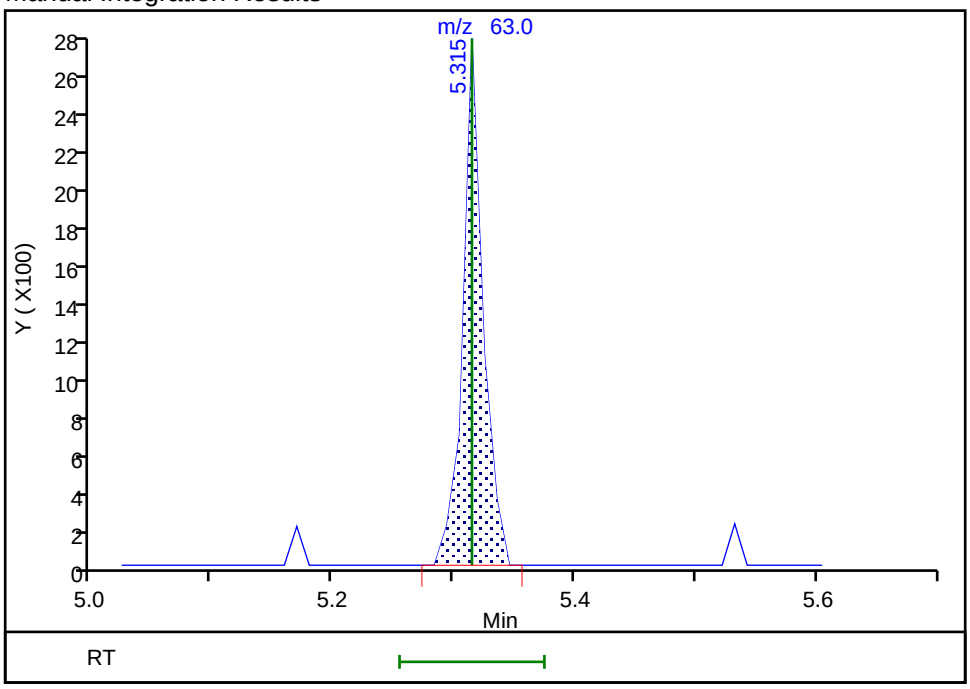
Not Detected
Expected RT: 5.31

Processing Integration Results



Manual Integration Results

RT: 5.31
Area: 3142
Amount: 0.331822
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:15:11
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

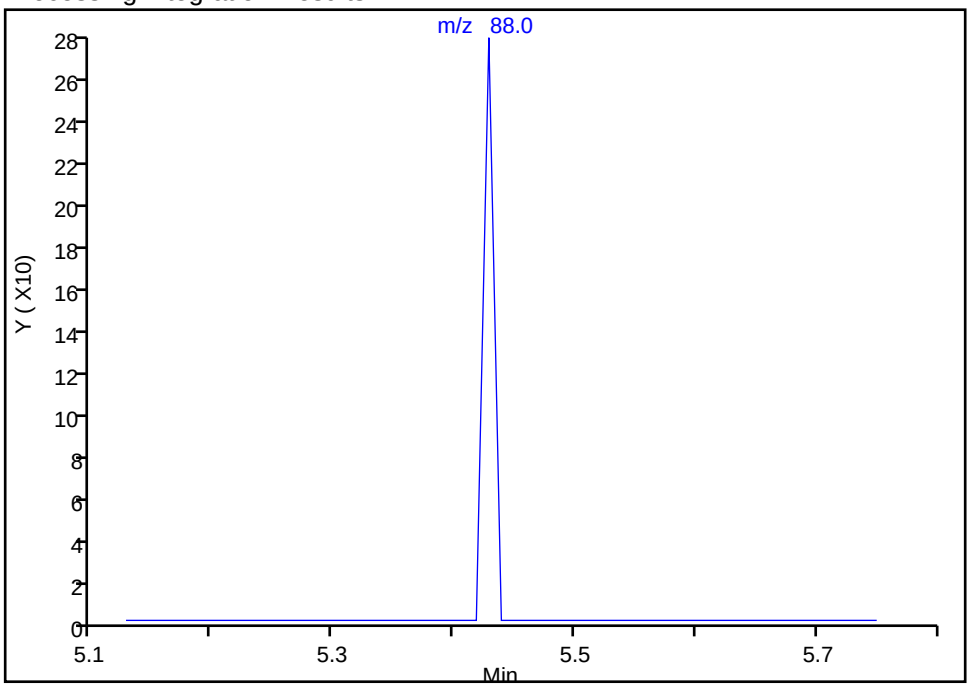
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

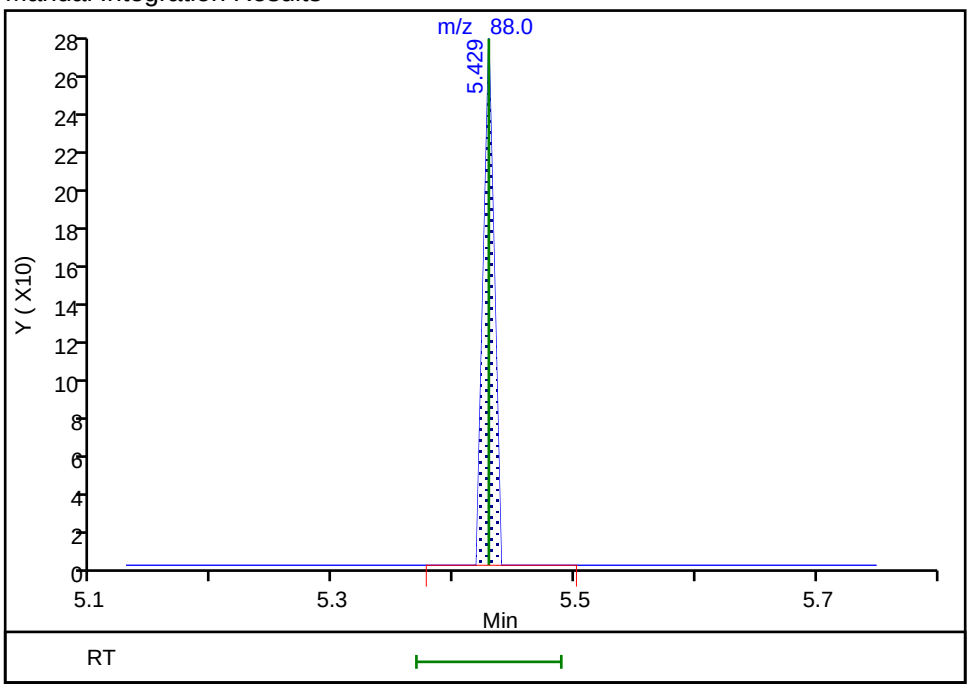
Not Detected
Expected RT: 5.43

Processing Integration Results



Manual Integration Results

RT: 5.43
Area: 170
Amount: 6.951192
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:15:17
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

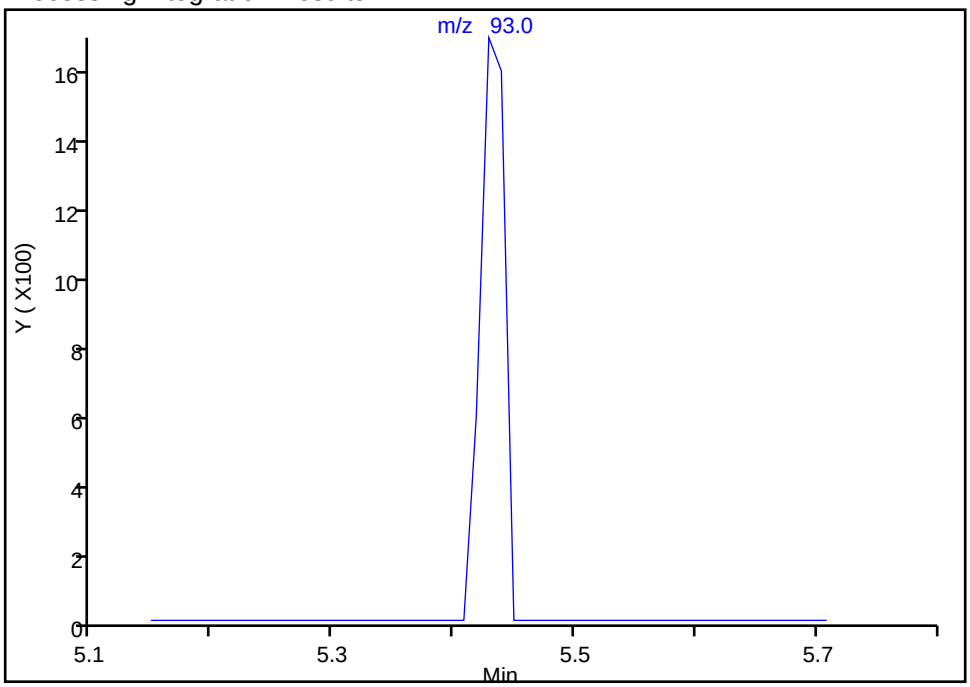
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

65 Dibromomethane, CAS: 74-95-3

Signal: 1

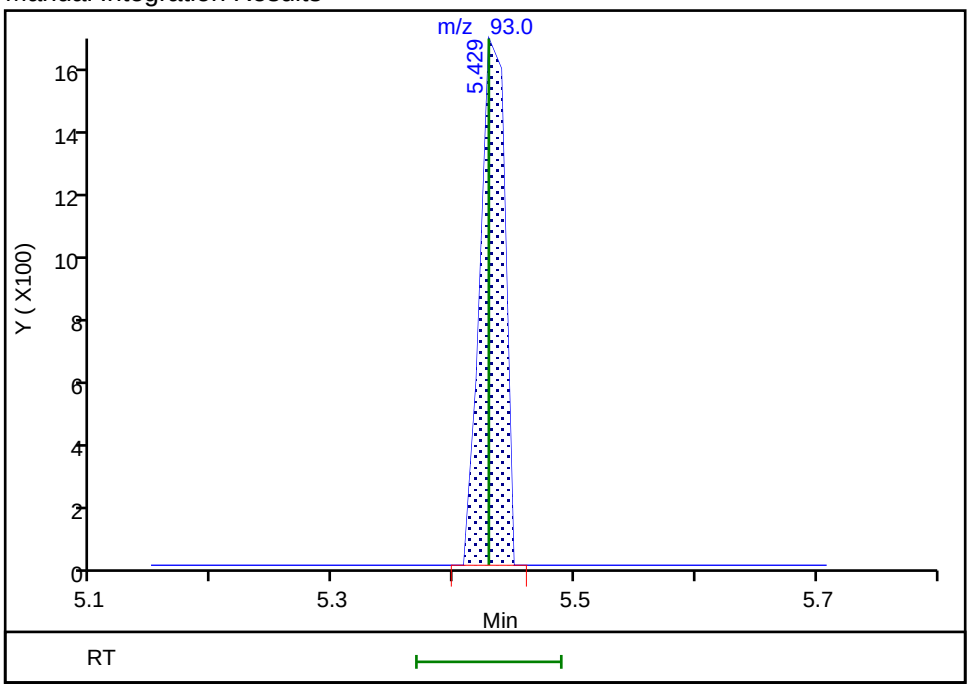
Not Detected
Expected RT: 5.43

Processing Integration Results



Manual Integration Results

RT: 5.43
Area: 2352
Amount: 0.380191
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:15:13
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

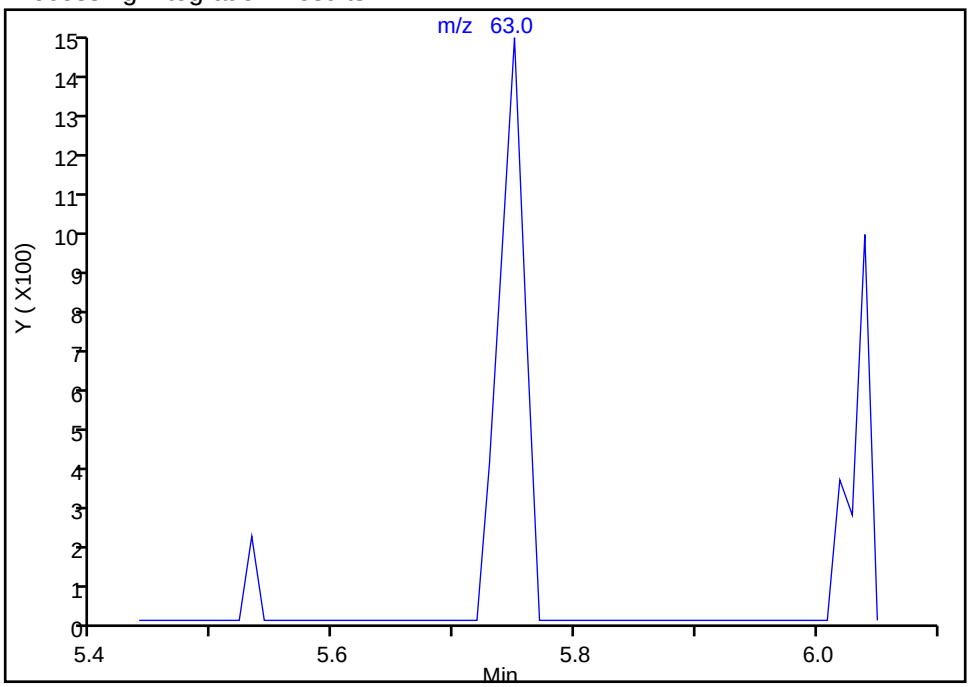
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

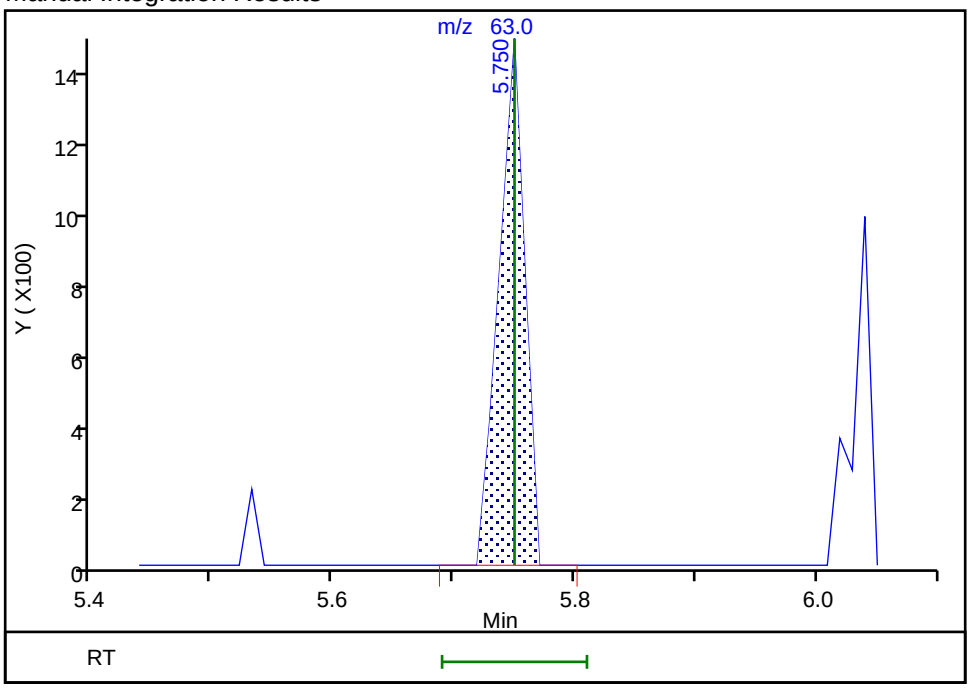
Not Detected
Expected RT: 5.75

Processing Integration Results



Manual Integration Results

RT: 5.75
Area: 2205
Amount: 0.351882
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:15:21
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

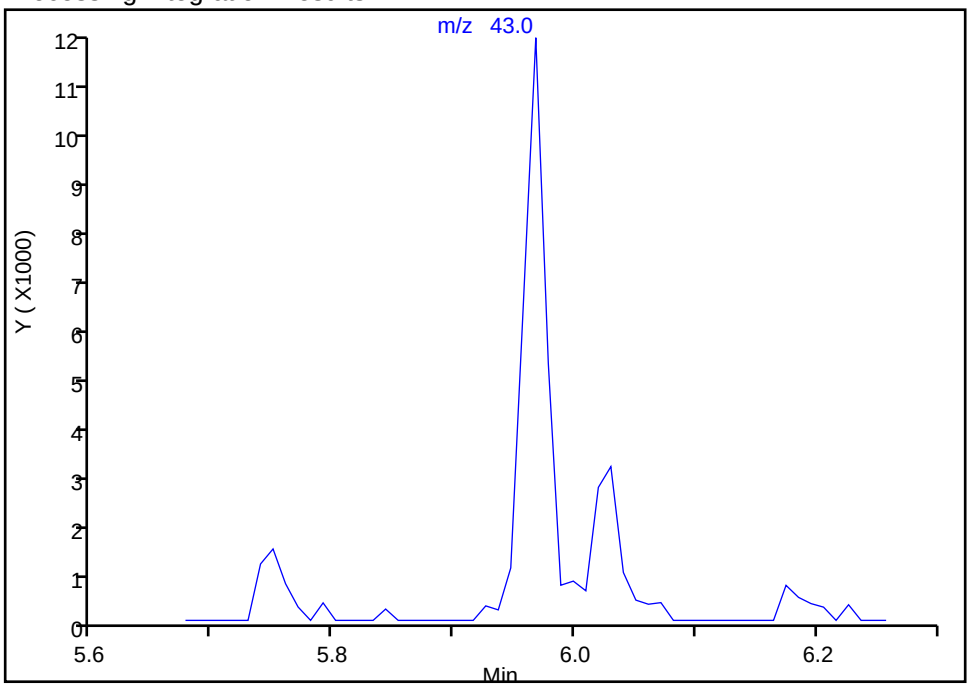
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

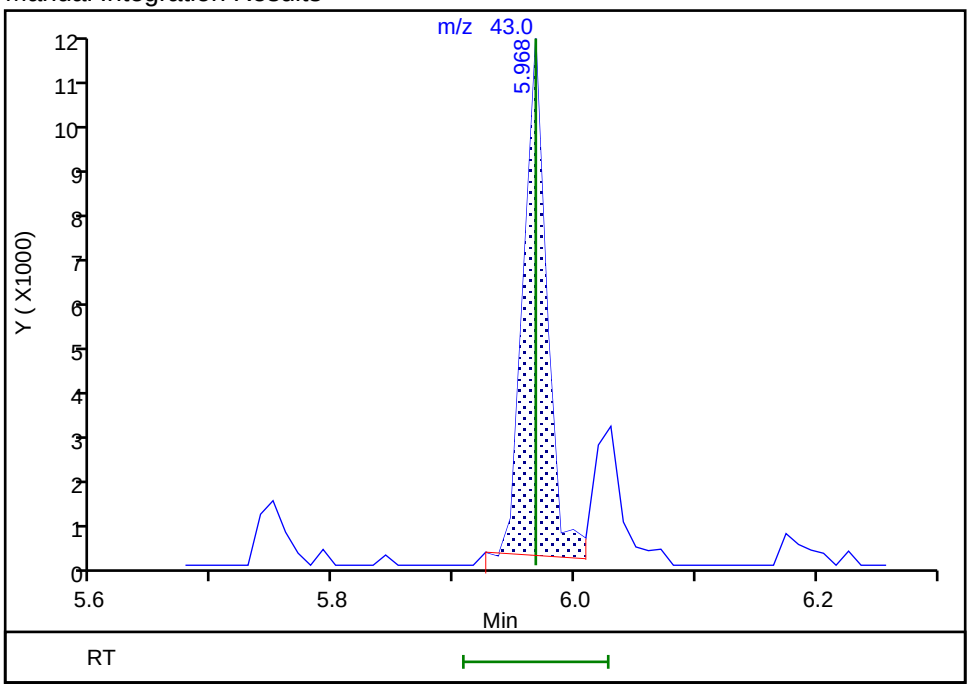
Not Detected
Expected RT: 5.97

Processing Integration Results



Manual Integration Results

RT: 5.97
Area: 14831
Amount: 1.729373
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:15:25
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

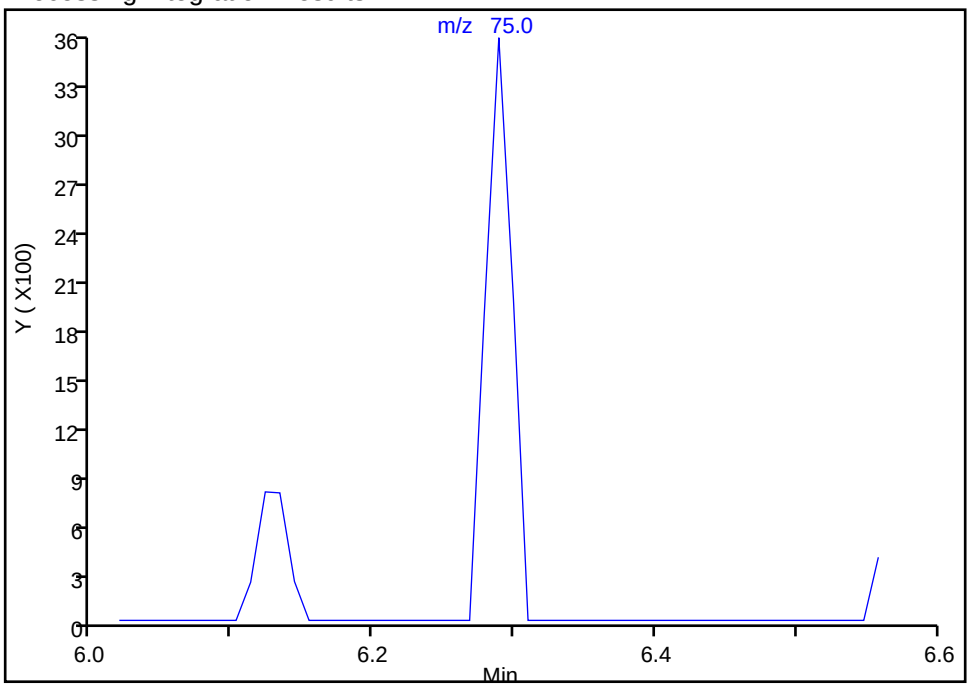
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

75 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

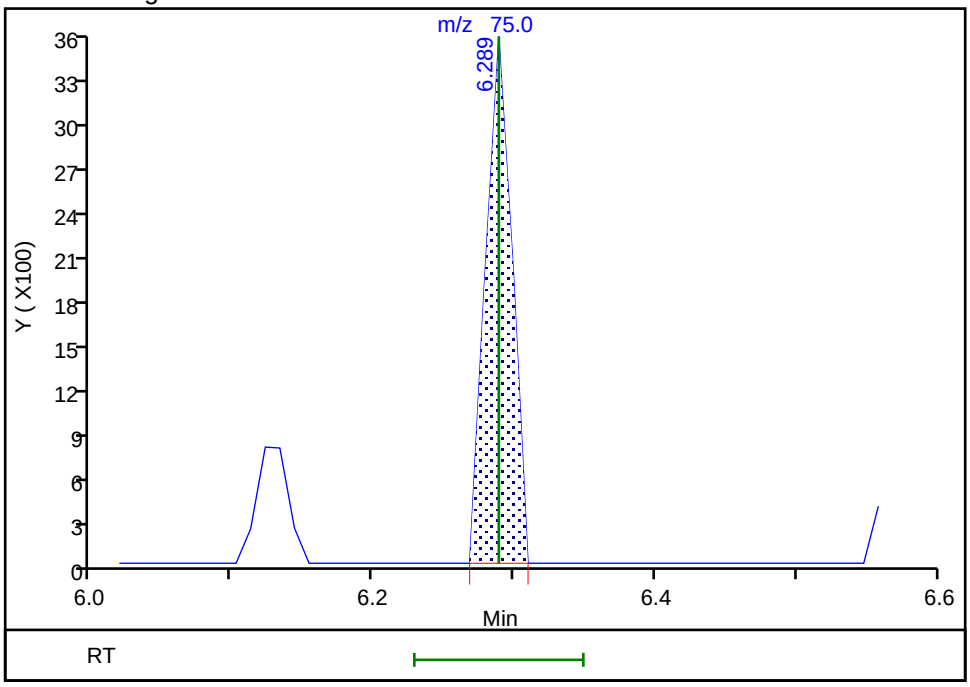
Not Detected
Expected RT: 6.29

Processing Integration Results



Manual Integration Results

RT: 6.29
Area: 4626
Amount: 0.403007
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:15:30
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

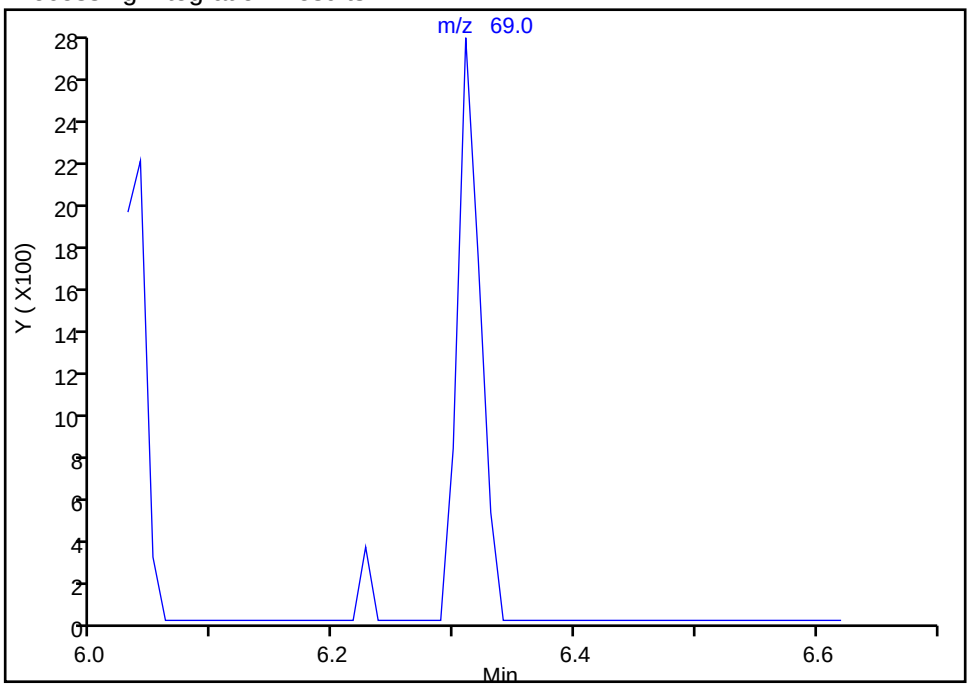
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

77 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

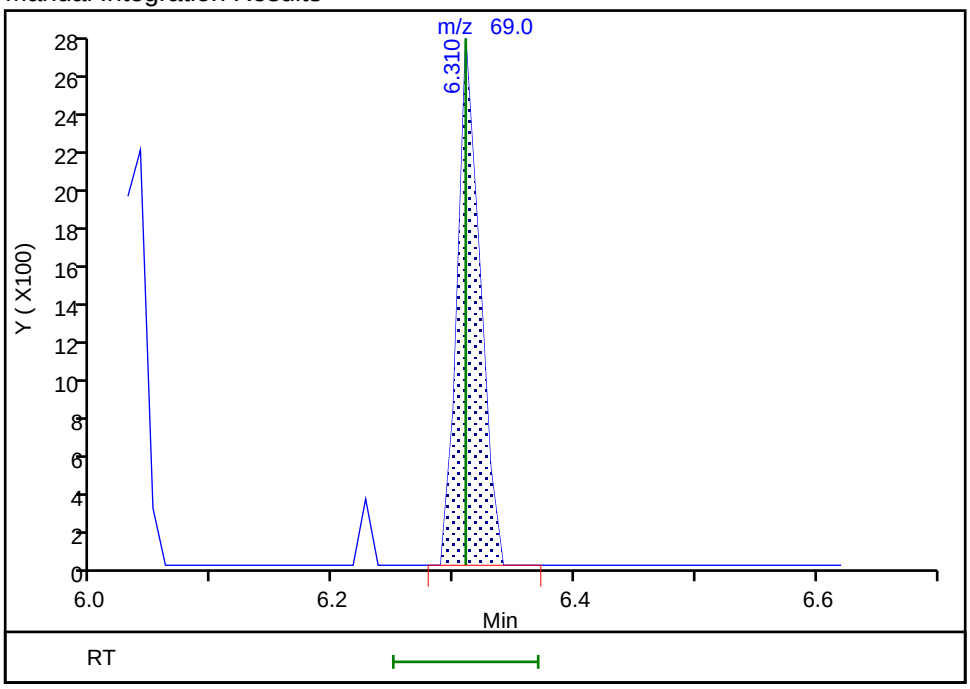
Not Detected
Expected RT: 6.31

Processing Integration Results



Manual Integration Results

RT: 6.31
Area: 3549
Amount: 0.416800
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:15:32
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

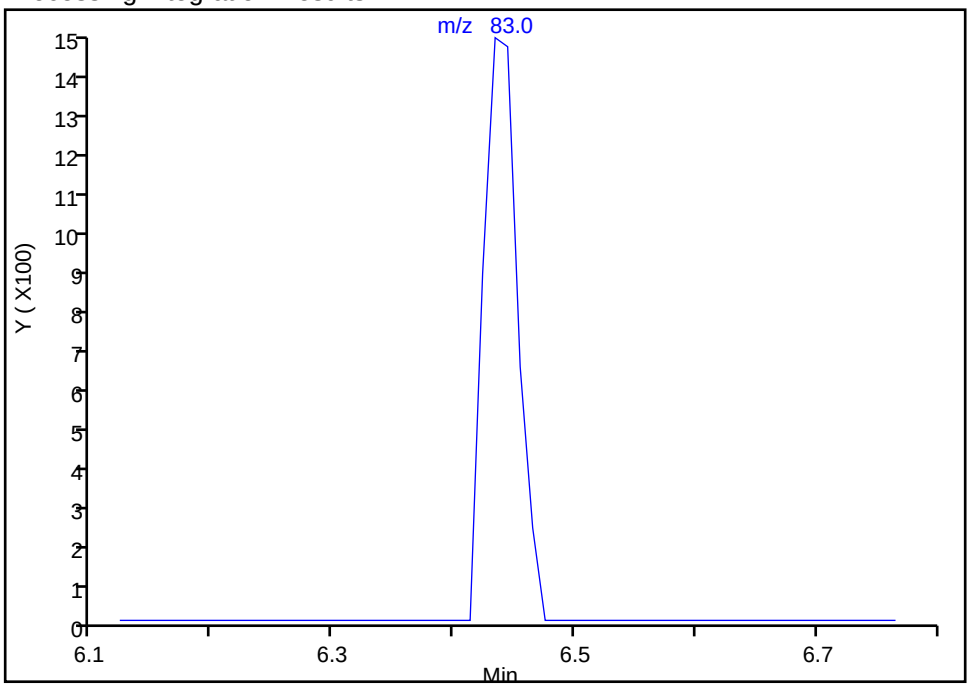
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

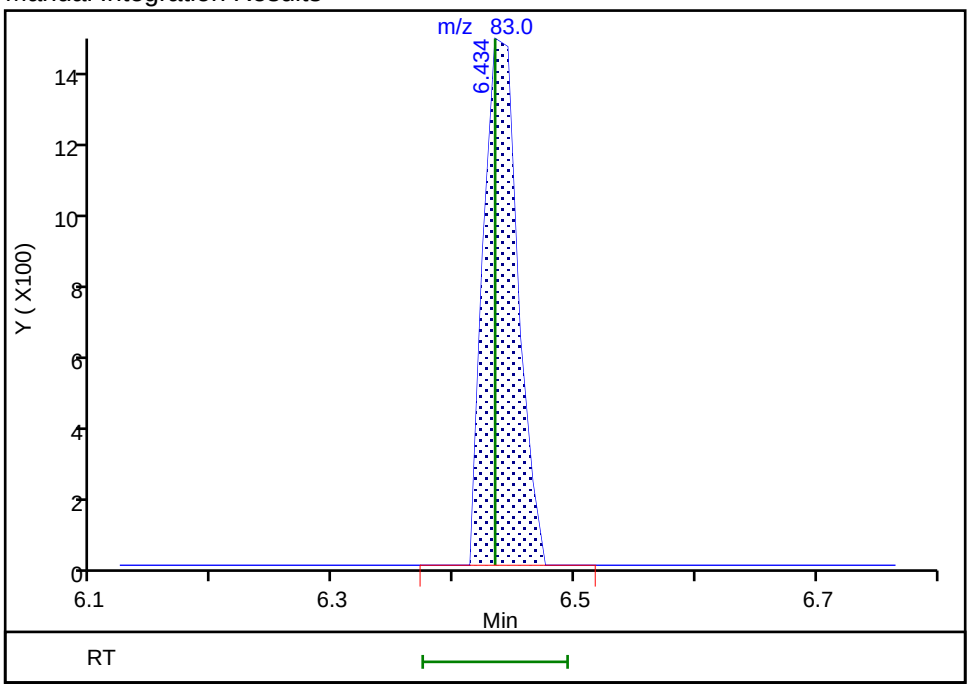
Not Detected
Expected RT: 6.43

Processing Integration Results



Manual Integration Results

RT: 6.43
Area: 2807
Amount: 0.397826
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:15:35
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

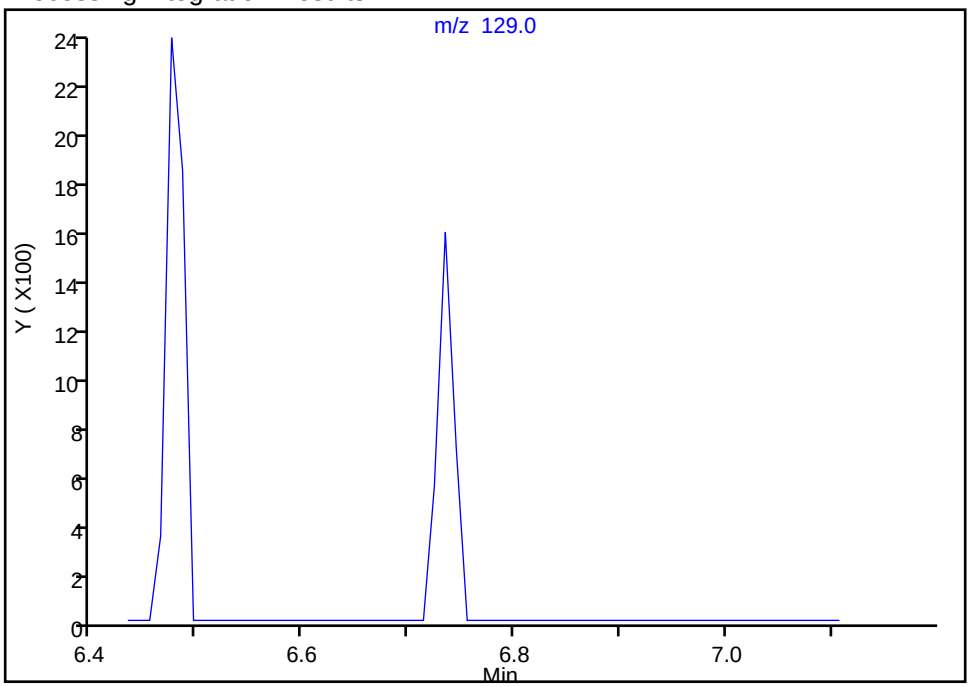
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

82 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

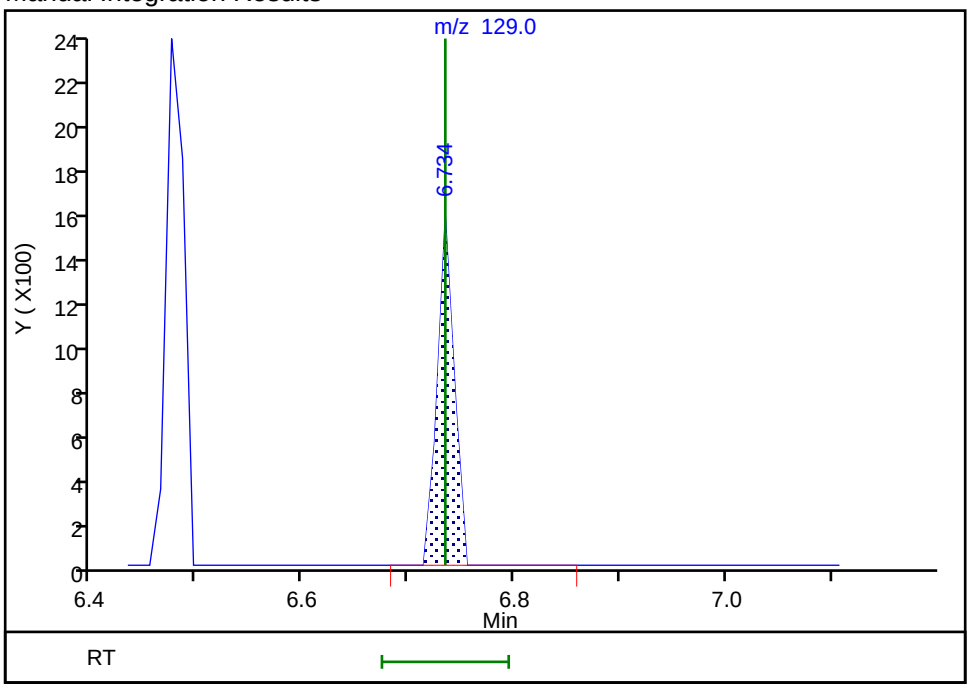
Not Detected
Expected RT: 6.73

Processing Integration Results



Manual Integration Results

RT: 6.73
Area: 1731
Amount: 0.296520
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:15:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

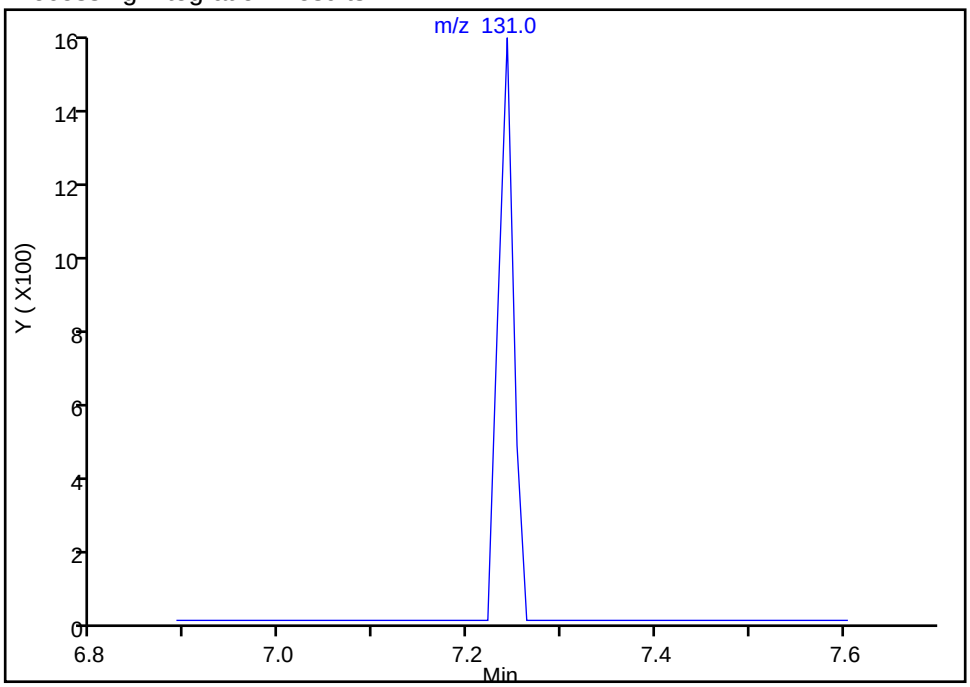
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

89 1,1,1,2-Tetrachloroethane, CAS: 630-20-6

Signal: 1

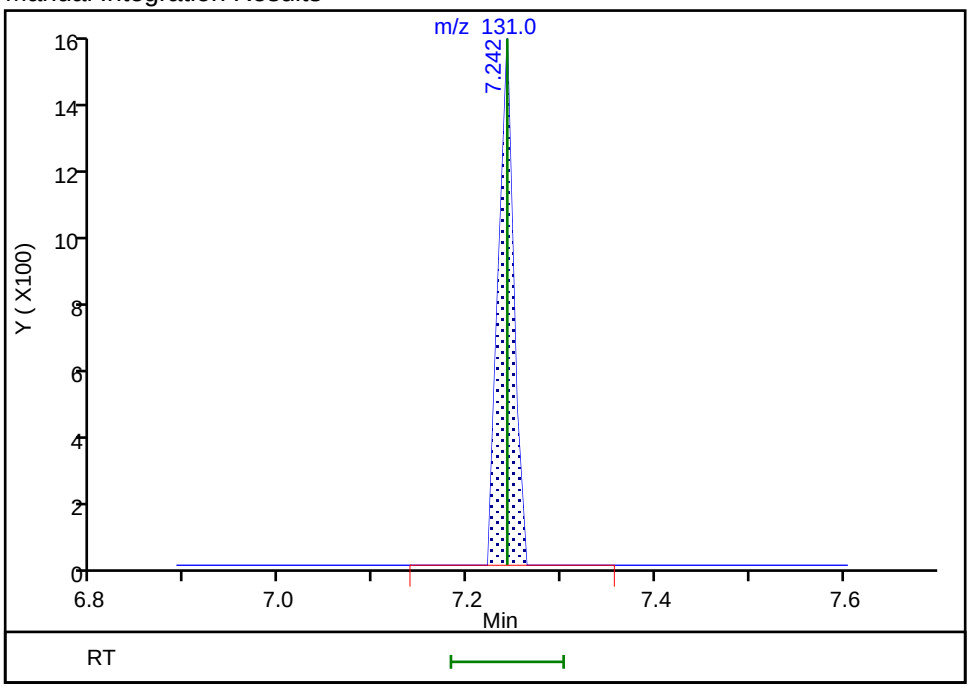
Not Detected
Expected RT: 7.24

Processing Integration Results



Manual Integration Results

RT: 7.24
Area: 1793
Amount: 0.266010
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:15:44
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

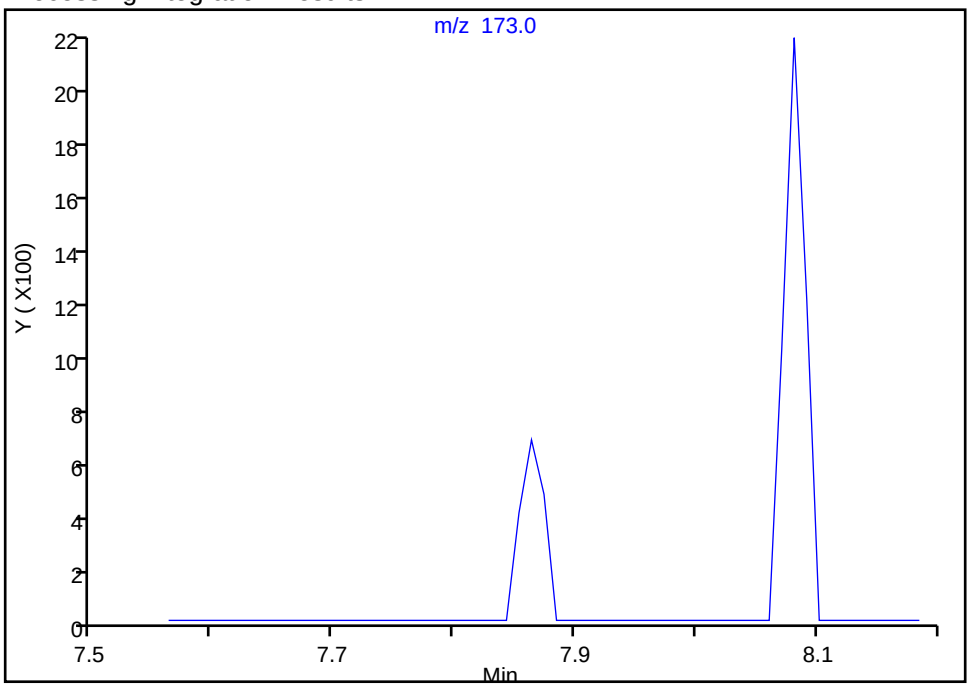
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

93 Bromoform, CAS: 75-25-2

Signal: 1

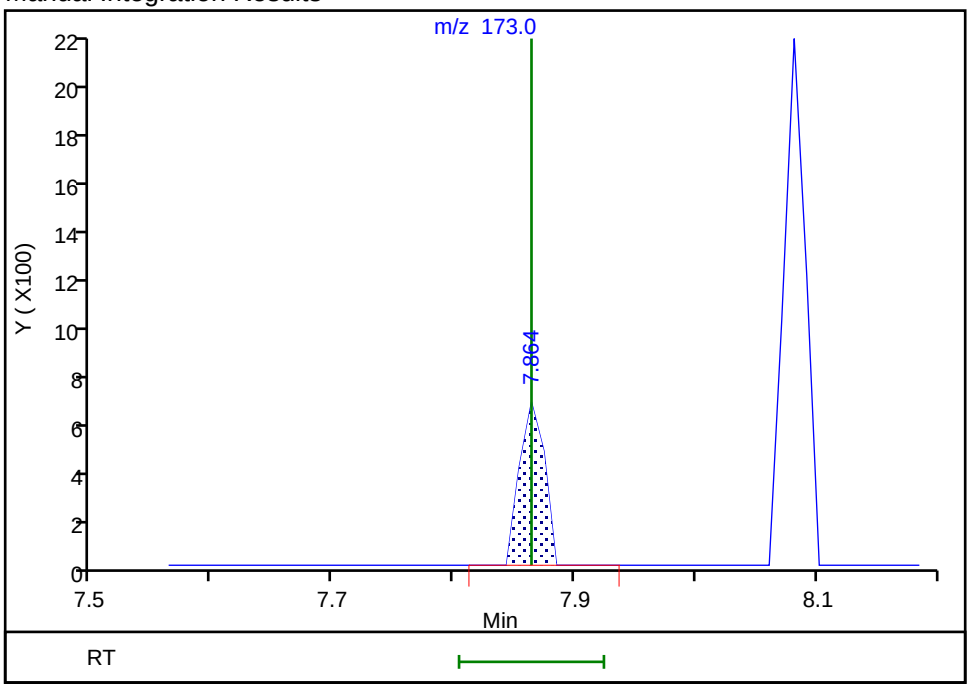
Not Detected
Expected RT: 7.86

Processing Integration Results



Manual Integration Results

RT: 7.86
Area: 937
Amount: 0.338536
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:15:48
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

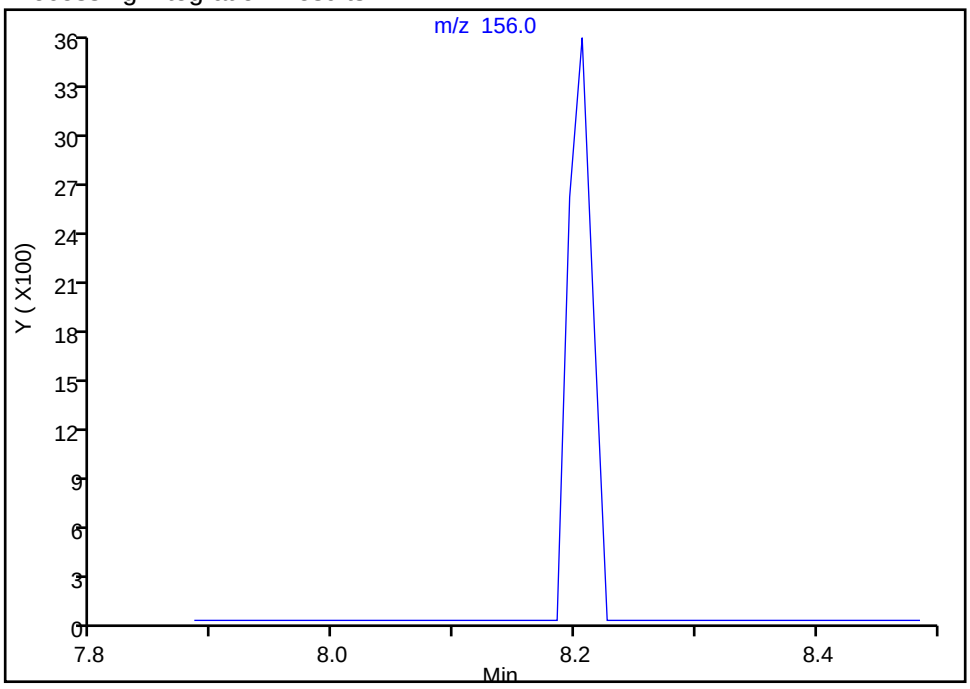
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

97 Bromobenzene, CAS: 108-86-1

Signal: 1

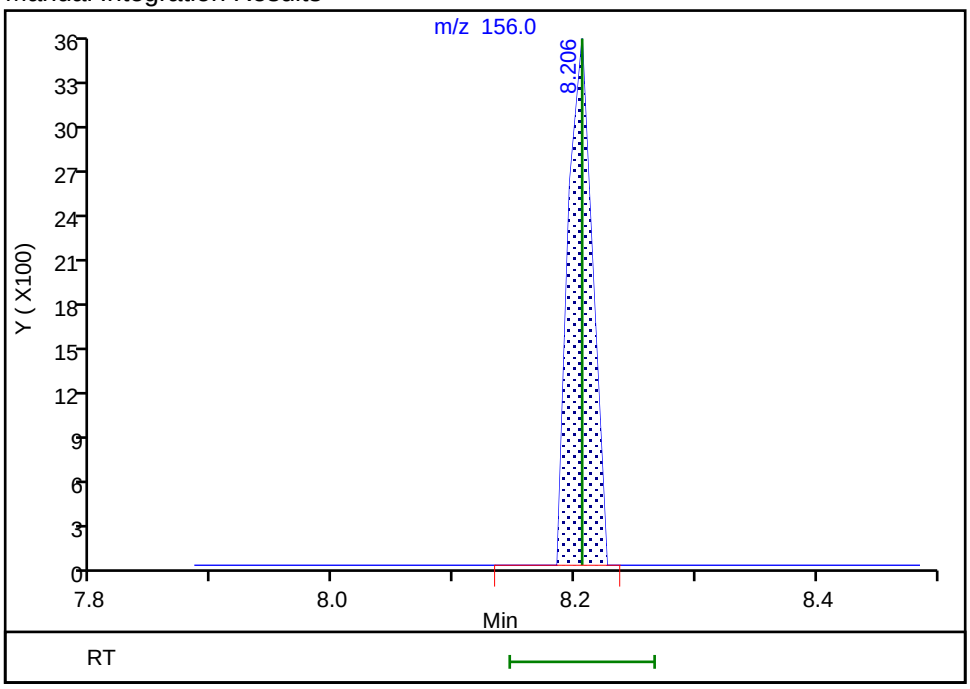
Not Detected
Expected RT: 8.21

Processing Integration Results



Manual Integration Results

RT: 8.21
Area: 4927
Amount: 0.463851
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:15:52
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

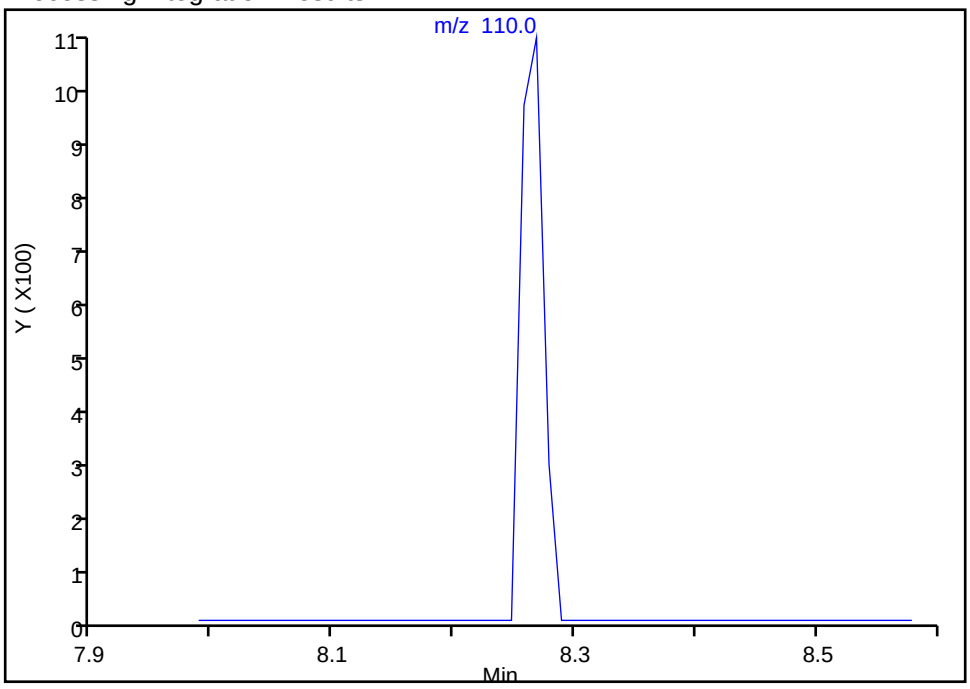
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

100 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

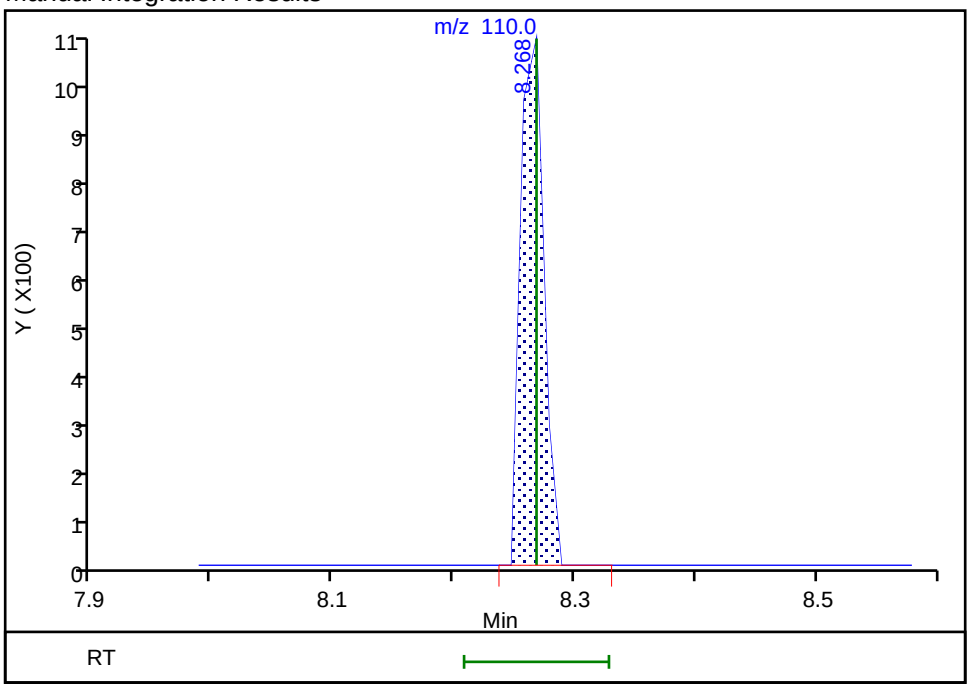
Not Detected
Expected RT: 8.27

Processing Integration Results



Manual Integration Results

RT: 8.27
Area: 1385
Amount: 0.416666
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:15:58
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

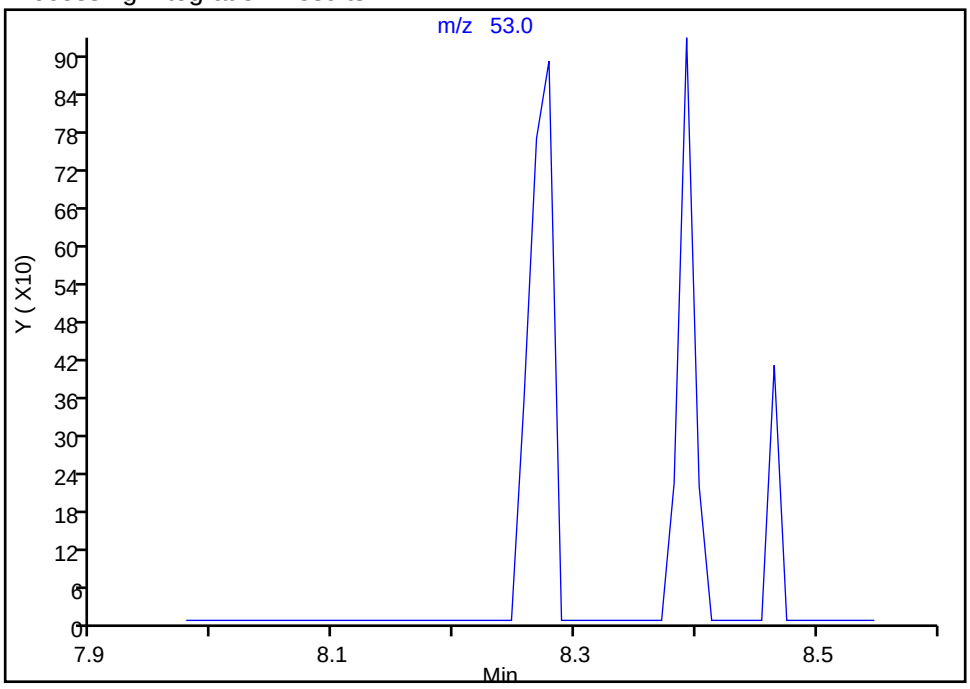
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

101 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

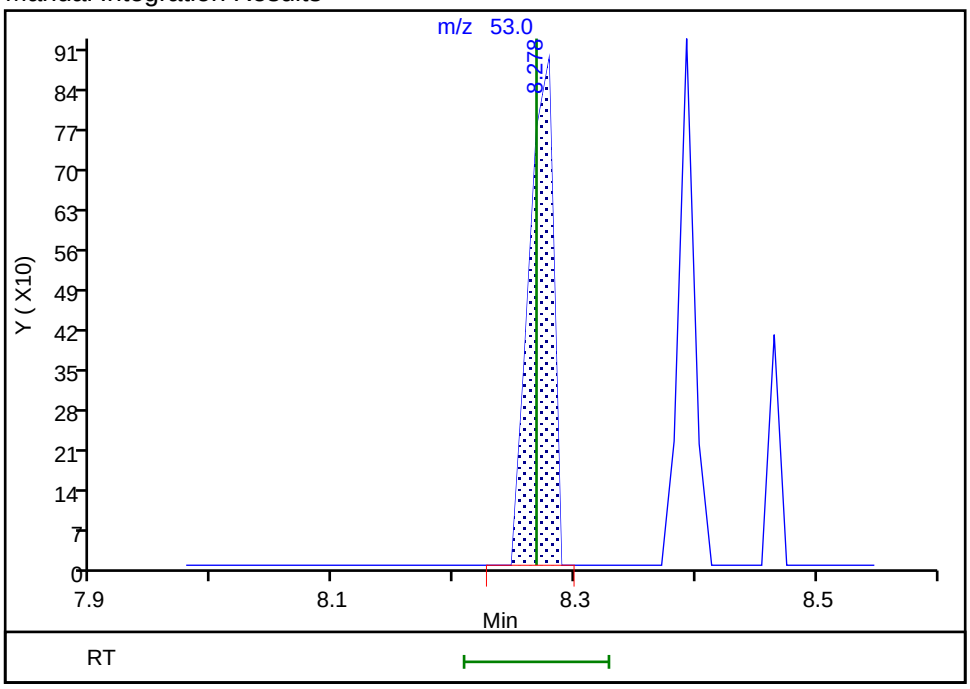
Not Detected
Expected RT: 8.27

Processing Integration Results



Manual Integration Results

RT: 8.28
Area: 1246
Amount: 0.445671
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:16:03
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

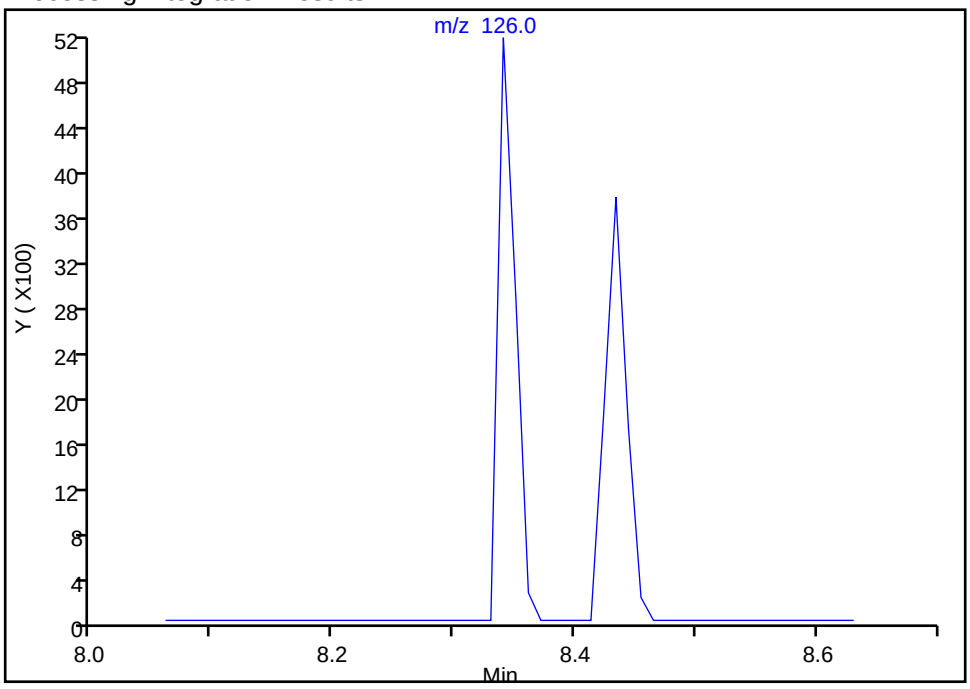
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

105 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

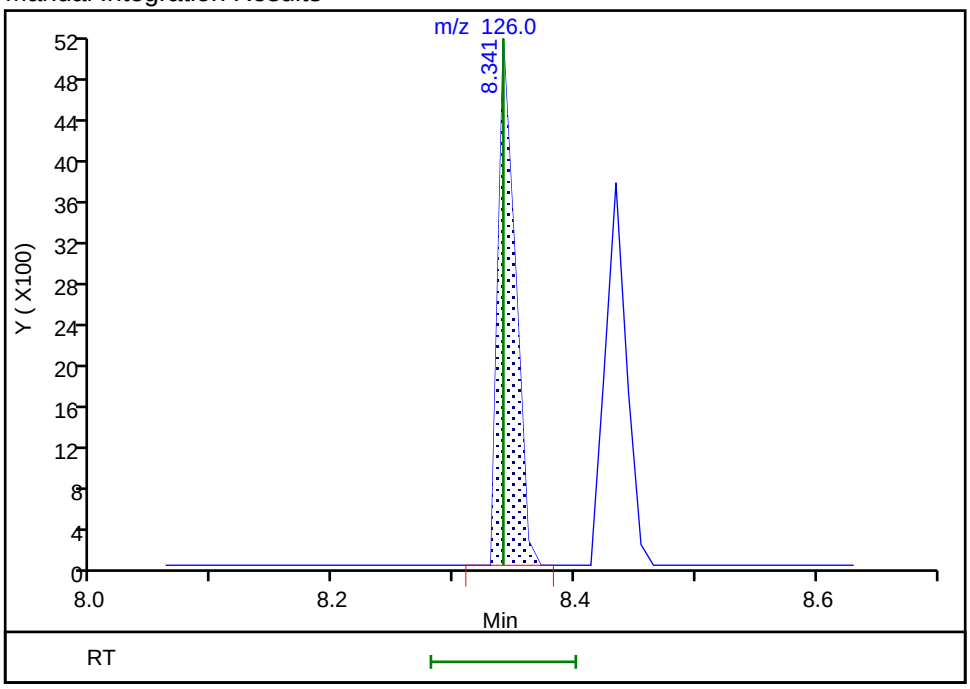
Not Detected
Expected RT: 8.34

Processing Integration Results



Manual Integration Results

RT: 8.34
Area: 5153
Amount: 0.488084
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:16:10
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

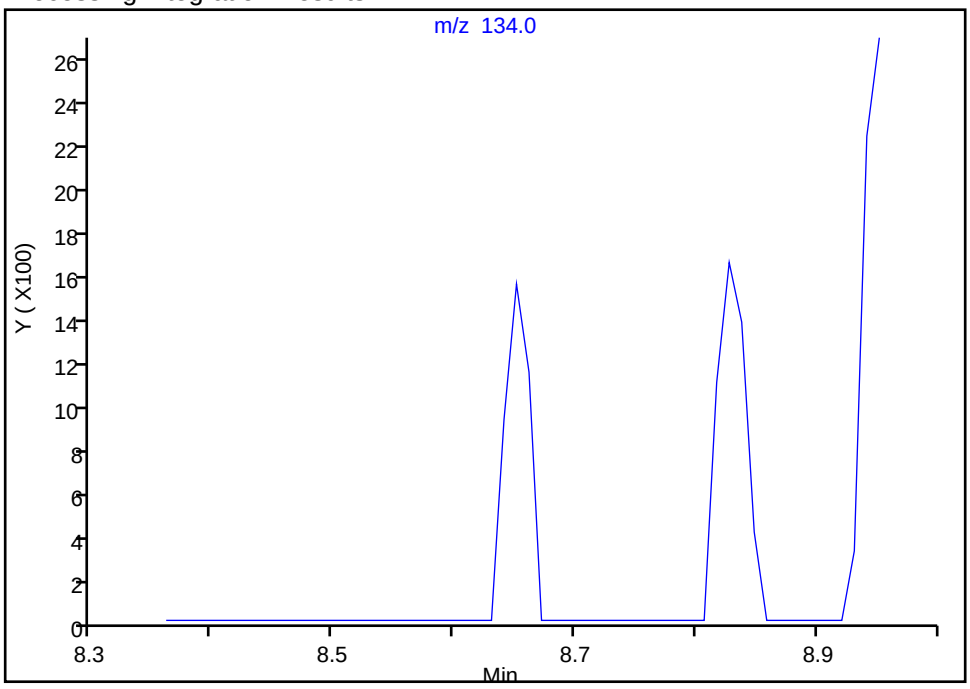
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

106 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

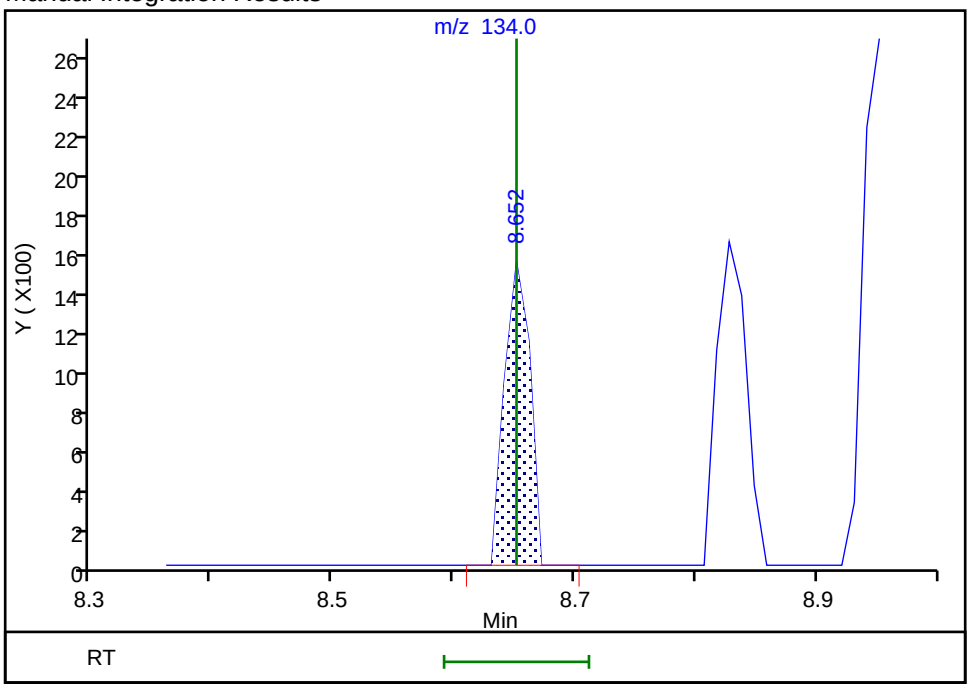
Not Detected
Expected RT: 8.65

Processing Integration Results



Manual Integration Results

RT: 8.65
Area: 2194
Amount: 0.283383
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:16:15
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

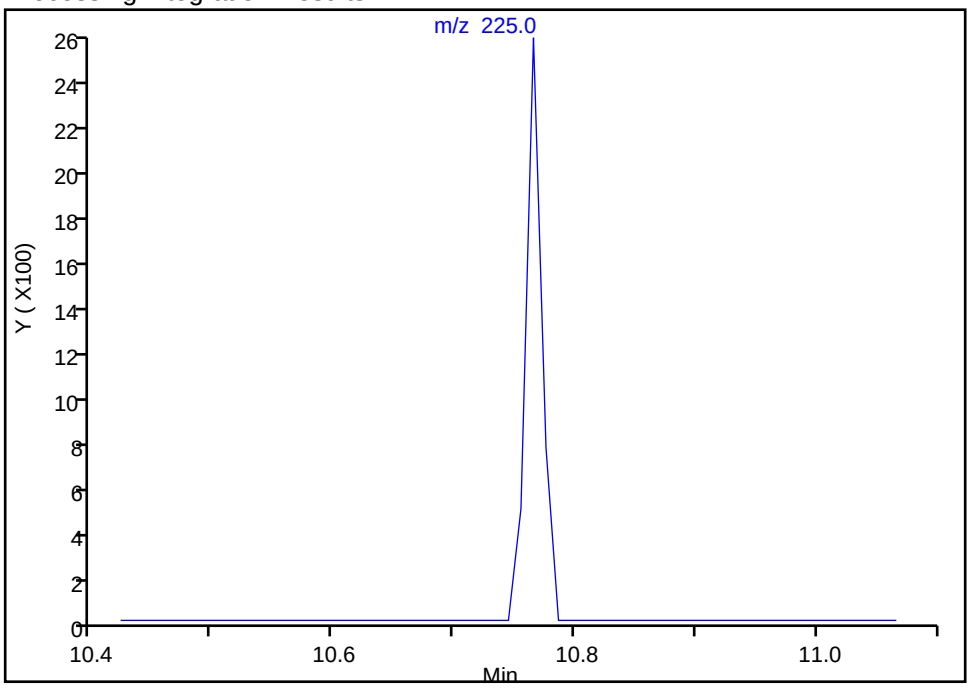
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

120 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

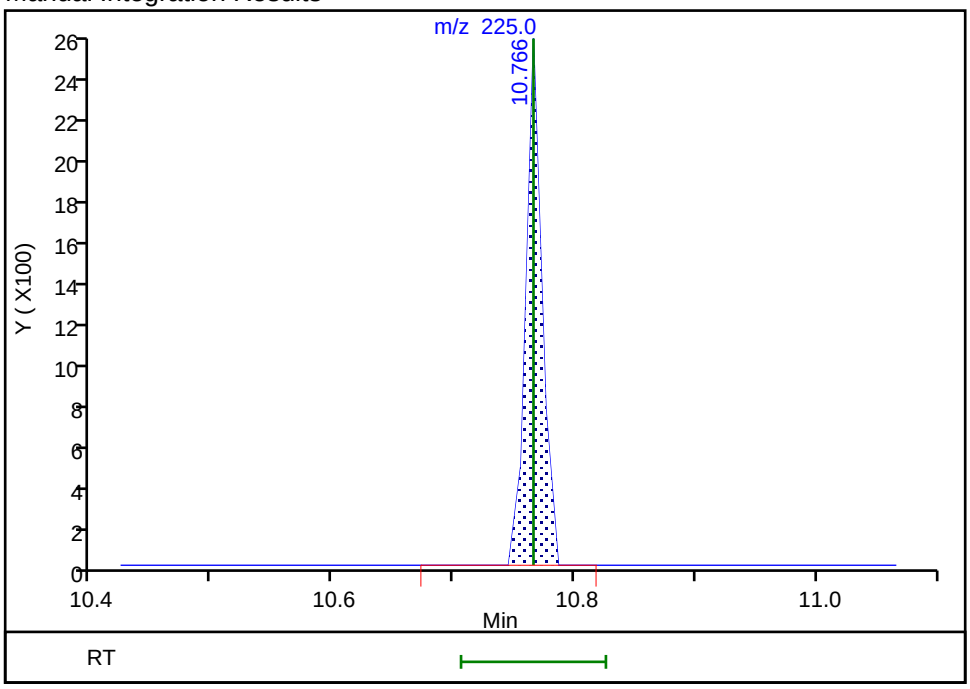
Not Detected
Expected RT: 10.77

Processing Integration Results



Manual Integration Results

RT: 10.77
Area: 2381
Amount: 0.373014
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:16:27
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

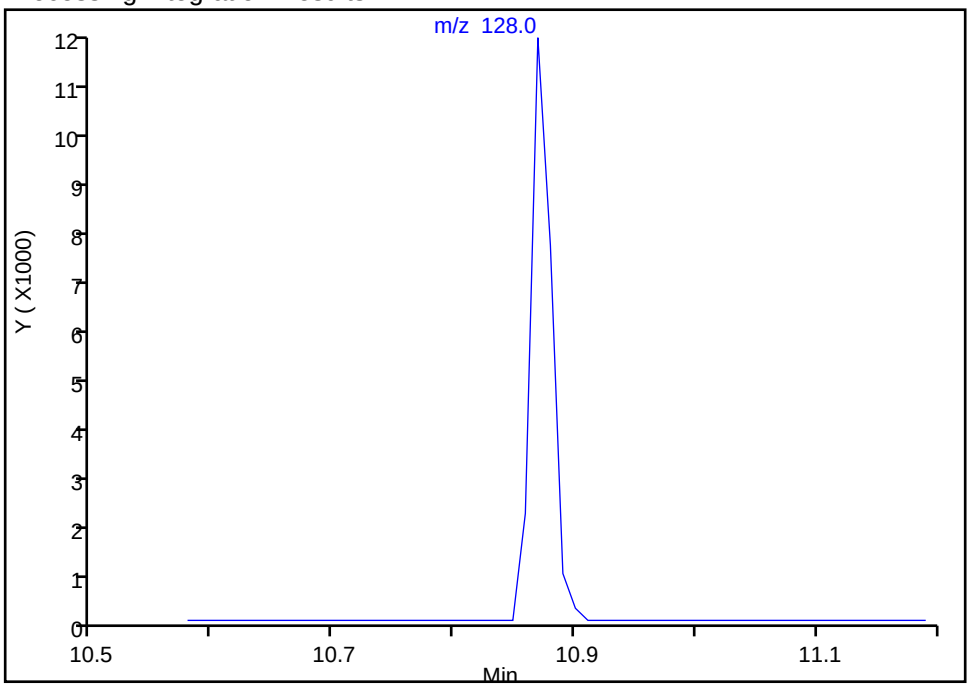
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0007.D
Injection Date: 19-Apr-2019 17:06:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: KN ALS Bottle#: 27 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

121 Naphthalene, CAS: 91-20-3

Signal: 1

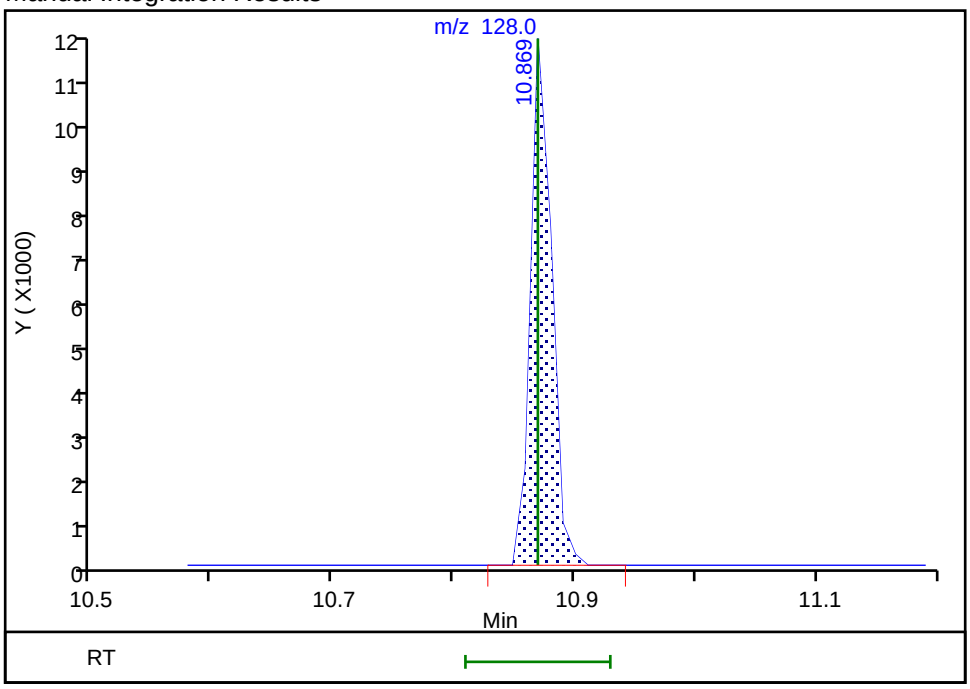
Not Detected
Expected RT: 10.87

Processing Integration Results



Manual Integration Results

RT: 10.87
Area: 13429
Amount: 0.381779
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:16:32
Audit Action: Manually Integrated Audit Reason: Poor chromatography

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

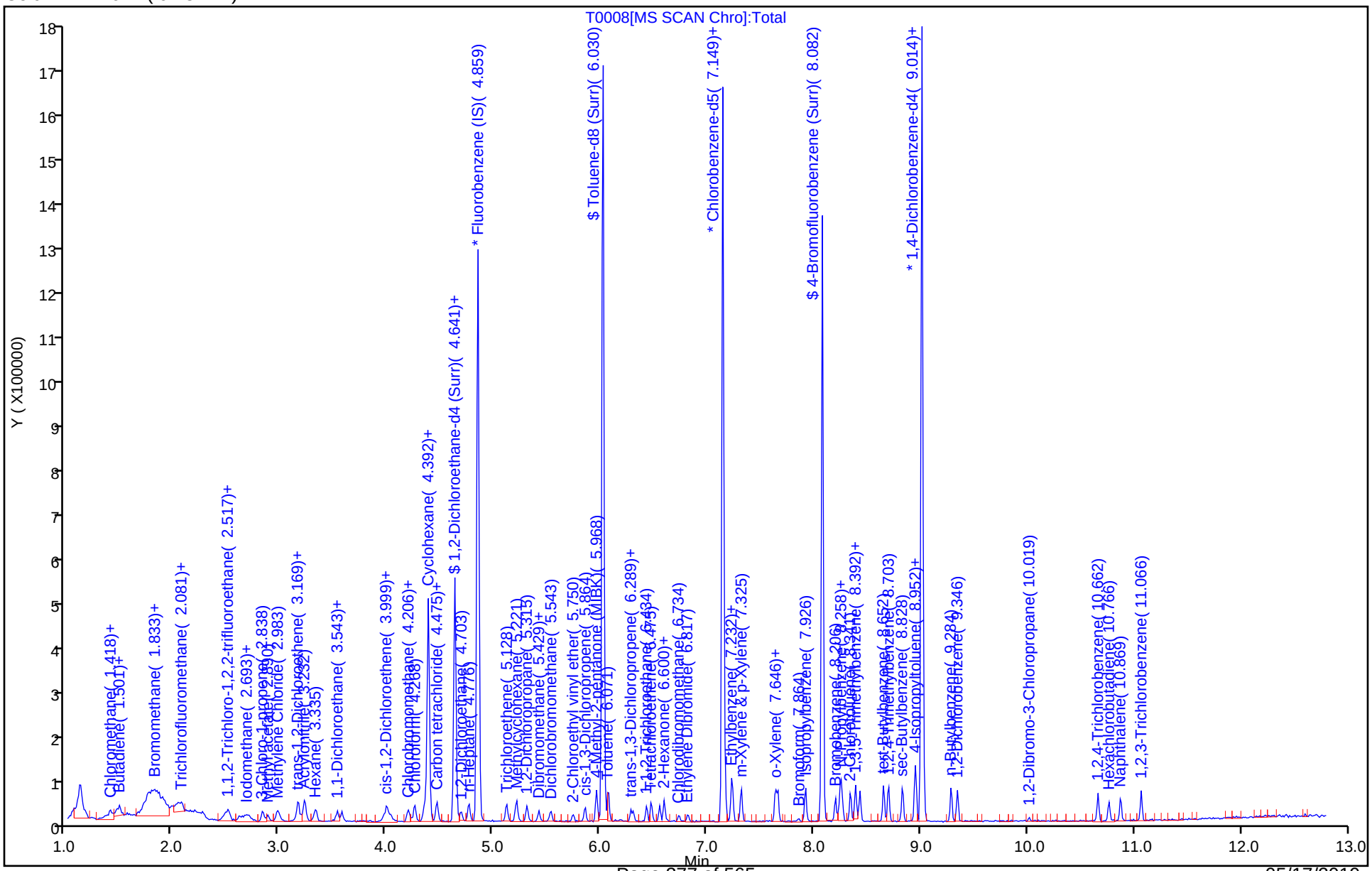
Report Date: 23-Apr-2019 13:29:30 Chrom Revision: 2.3 10-Apr-2019 17:48:54

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	Operator ID:	KN
Lims ID:	IC			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

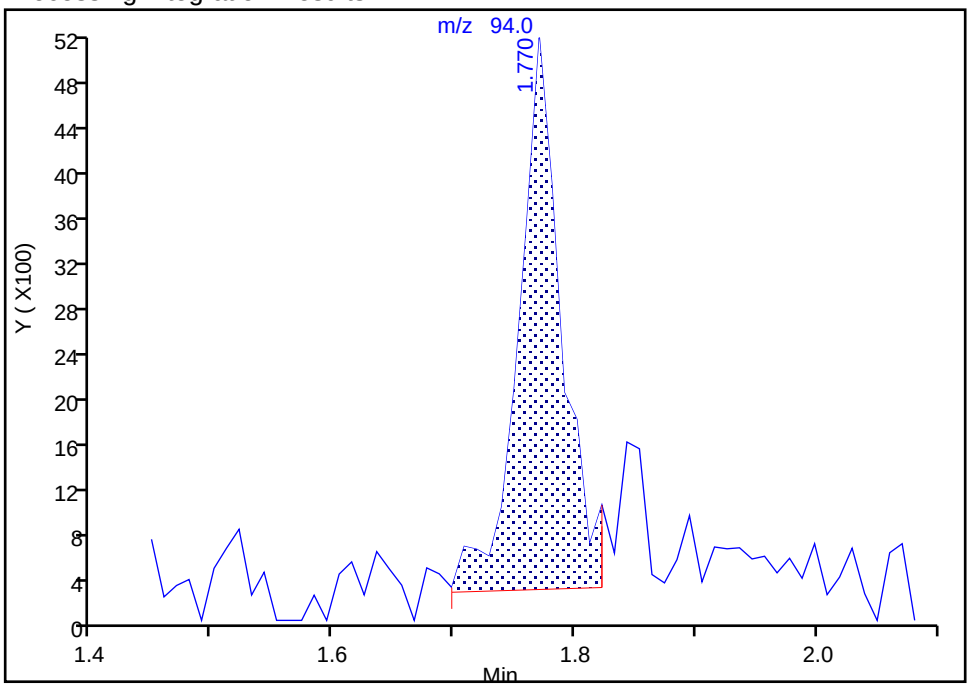
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0008.D
Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

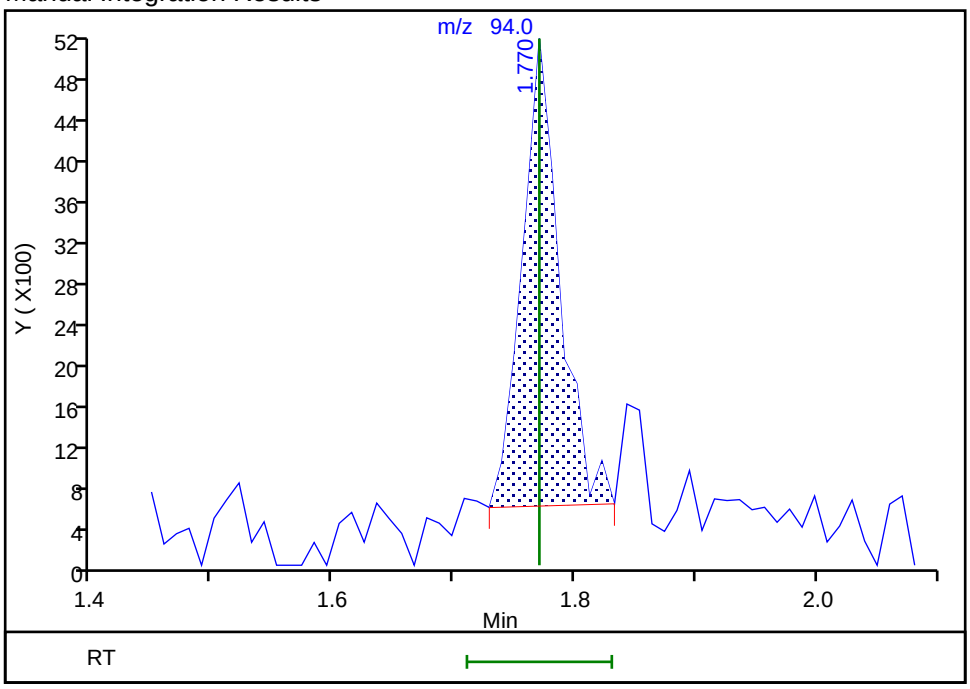
Processing Integration Results

RT: 1.77
Area: 12280
Amount: 1.242394
Amount Units: ug/L



Manual Integration Results

RT: 1.77
Area: 9862
Amount: 1.057215
Amount Units: ug/L



Reviewer: HillL, 23-Apr-2019 12:44:10
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

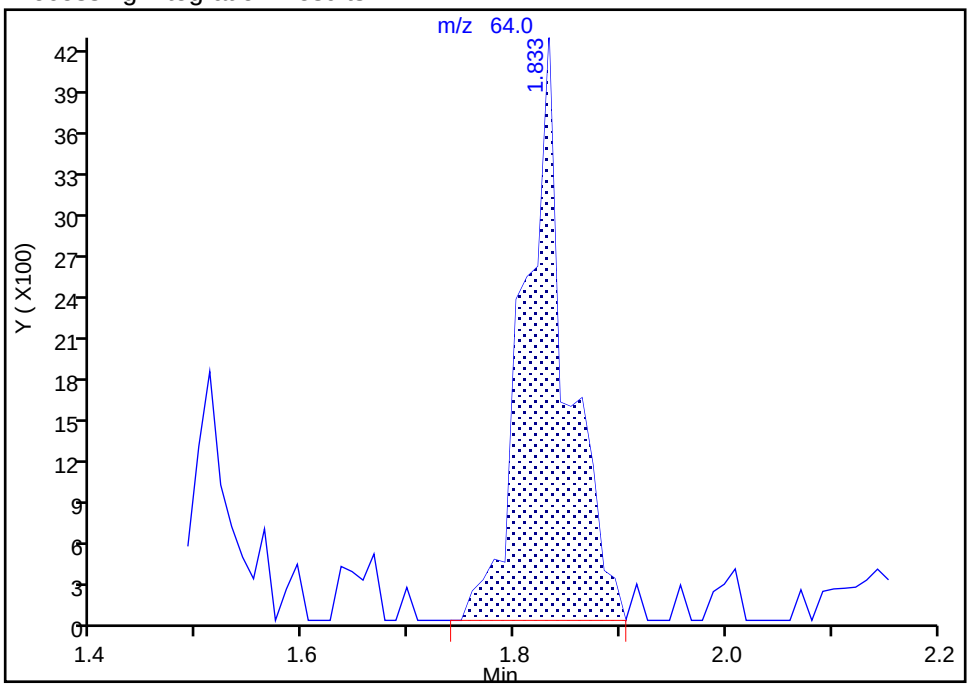
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0008.D
Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

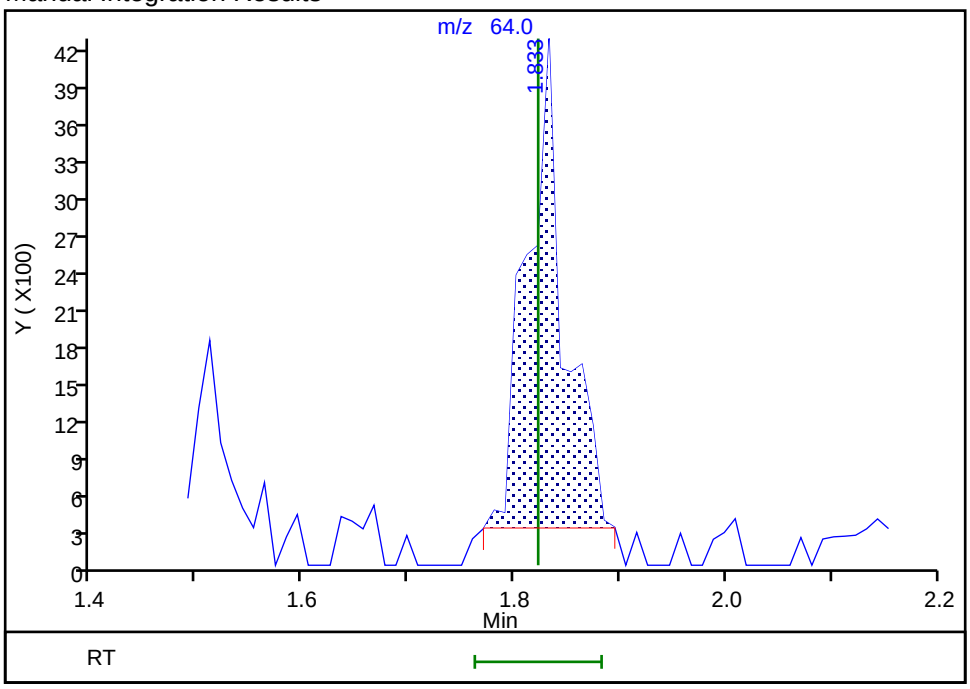
Processing Integration Results

RT: 1.83
Area: 12345
Amount: 1.509709
Amount Units: ug/L



Manual Integration Results

RT: 1.83
Area: 9753
Amount: 0.868549
Amount Units: ug/L



Reviewer: HillL, 23-Apr-2019 12:44:43
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

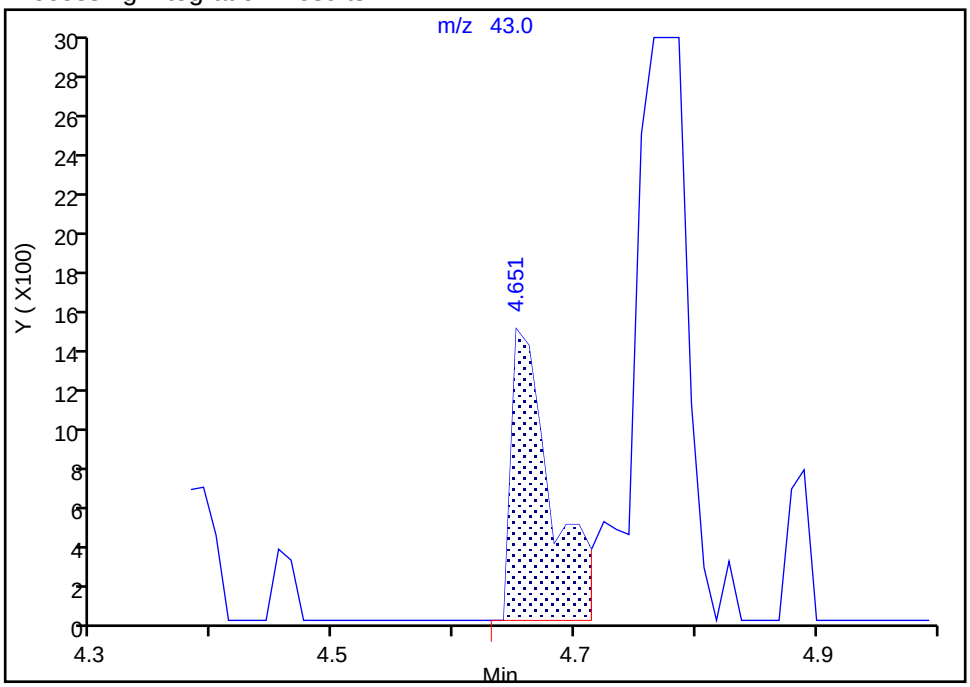
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0008.D
Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

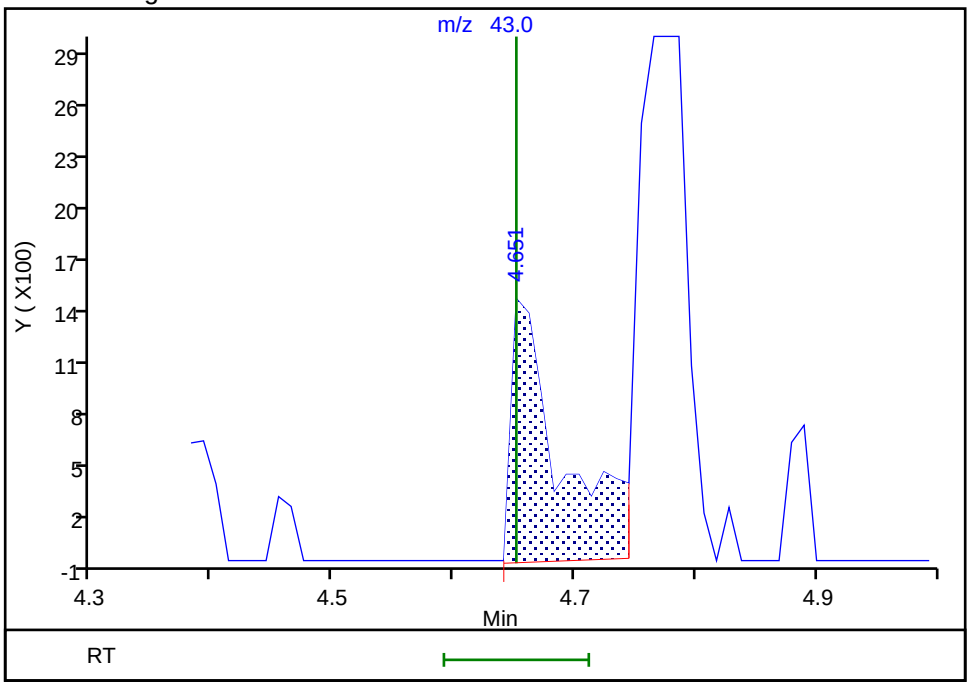
Processing Integration Results

RT: 4.65
Area: 3459
Amount: 18.243292
Amount Units: ug/L



Manual Integration Results

RT: 4.65
Area: 4343
Amount: 21.453645
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:44:51
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

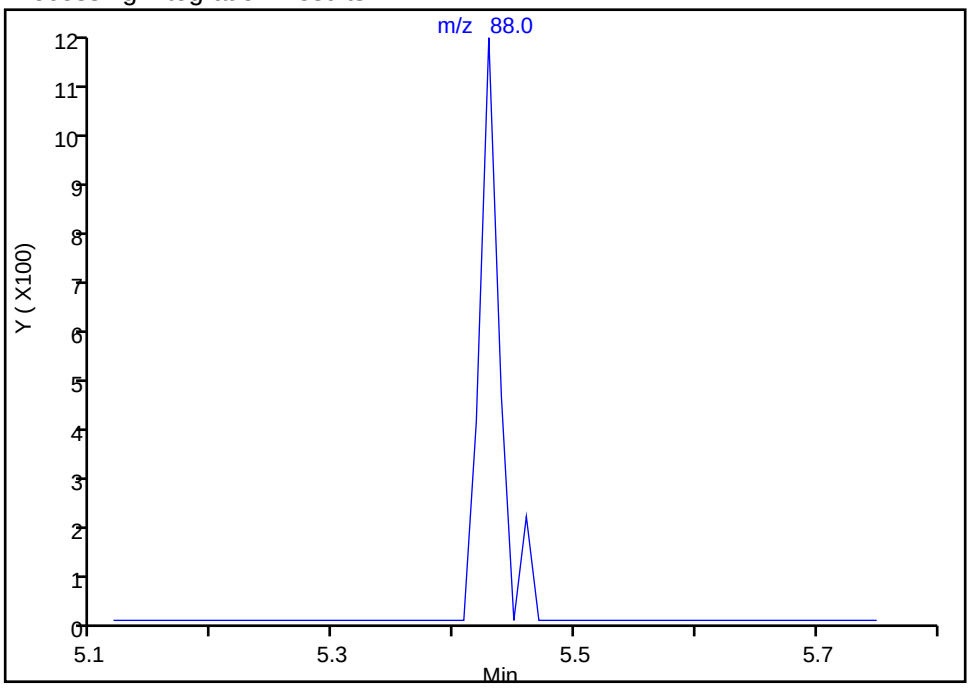
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0008.D
Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

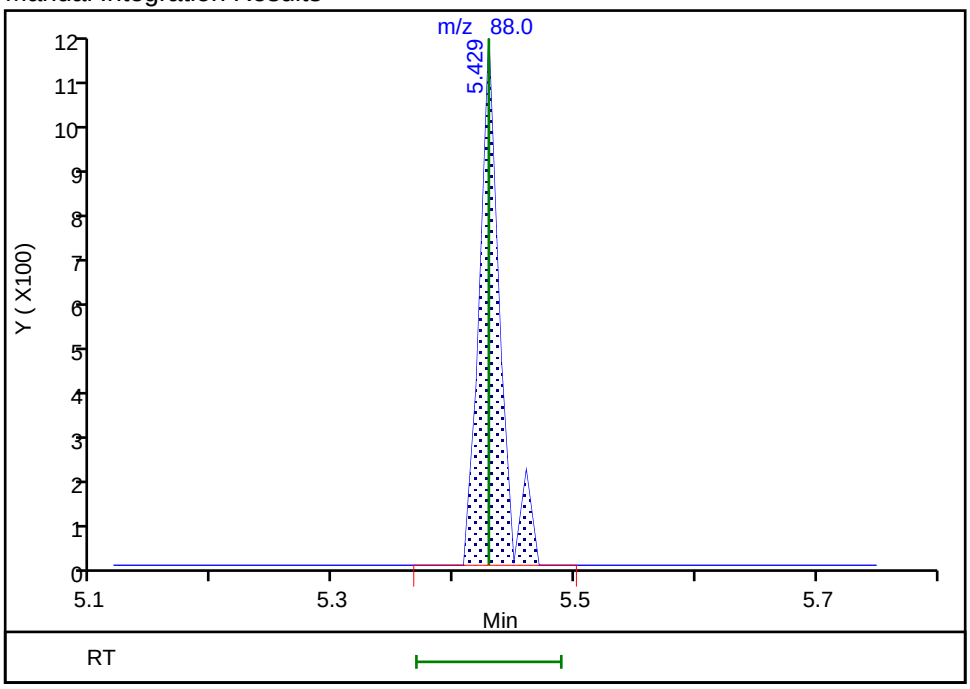
Not Detected
Expected RT: 5.43

Processing Integration Results



Manual Integration Results

RT: 5.43
Area: 1369
Amount: 20.755063
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:17:21
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

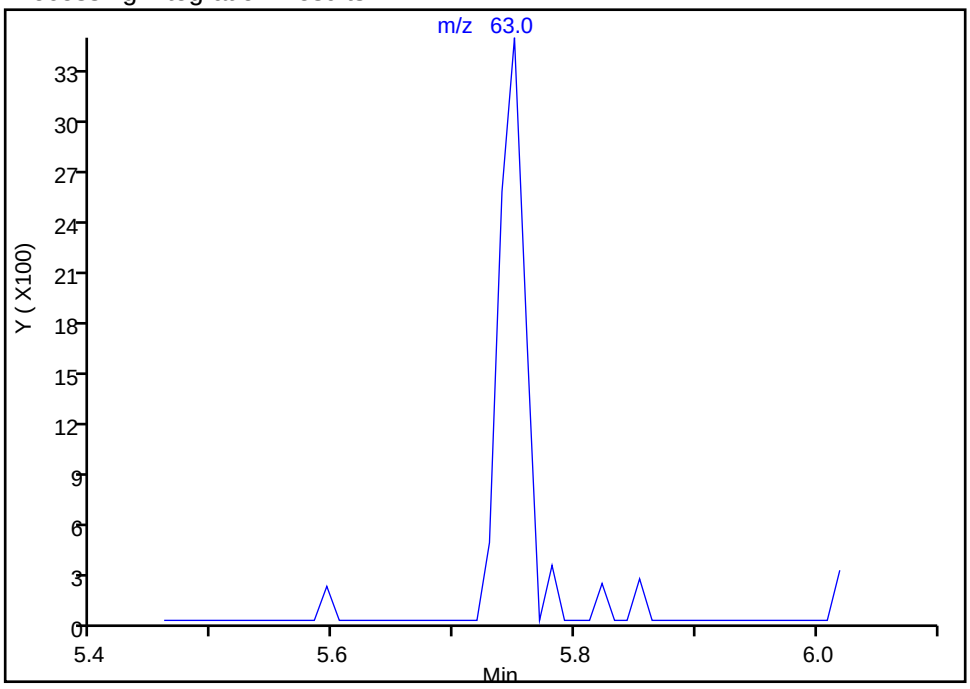
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0008.D
Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

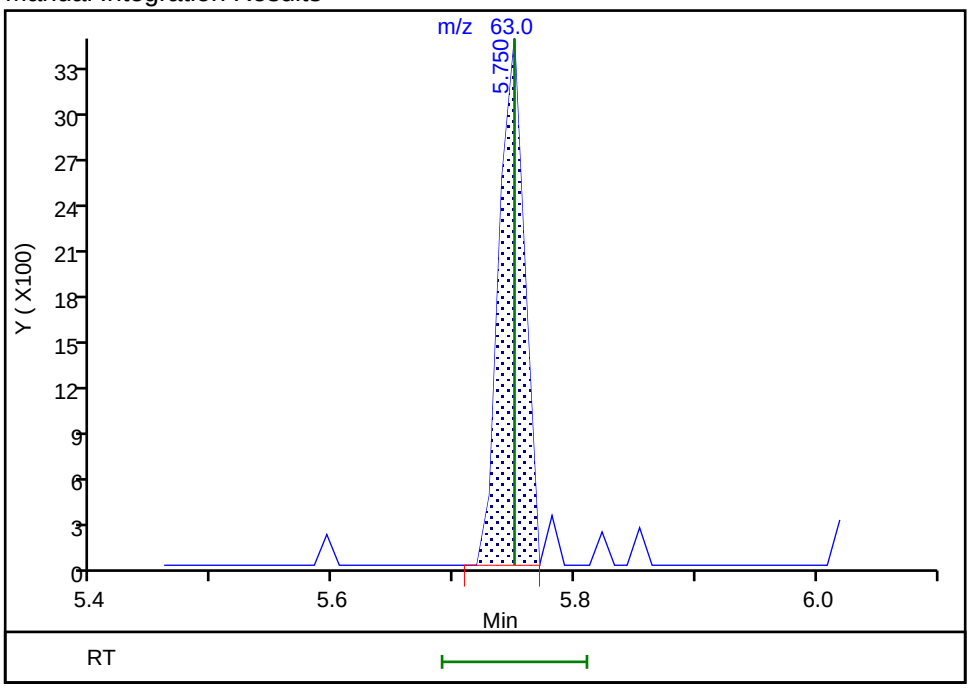
Not Detected
Expected RT: 5.75

Processing Integration Results



Manual Integration Results

RT: 5.75
Area: 5083
Amount: 0.875700
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:17:27
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

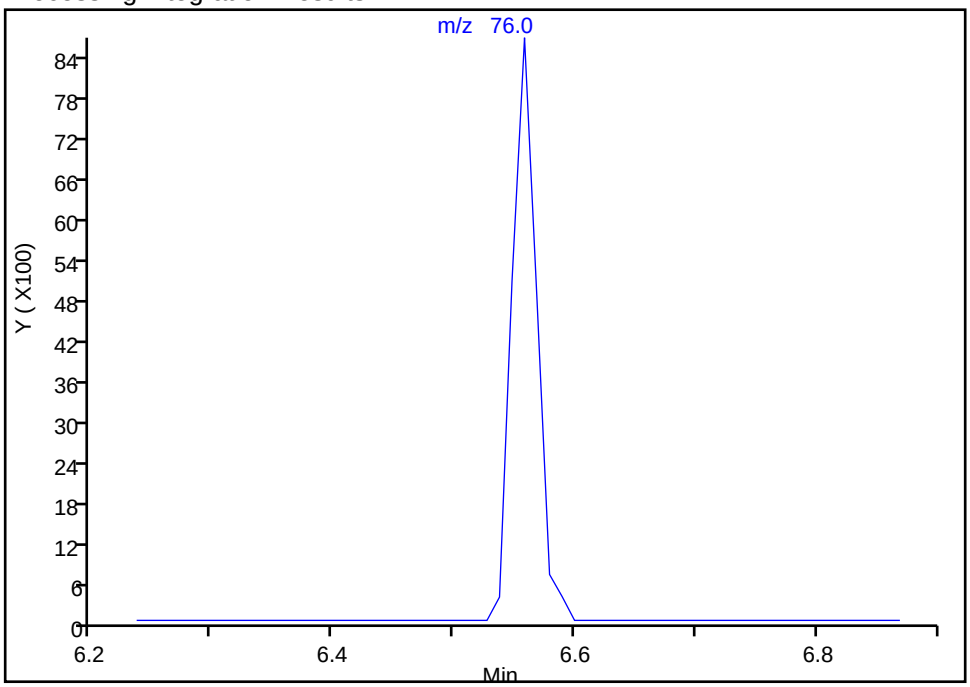
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0008.D
Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

80 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

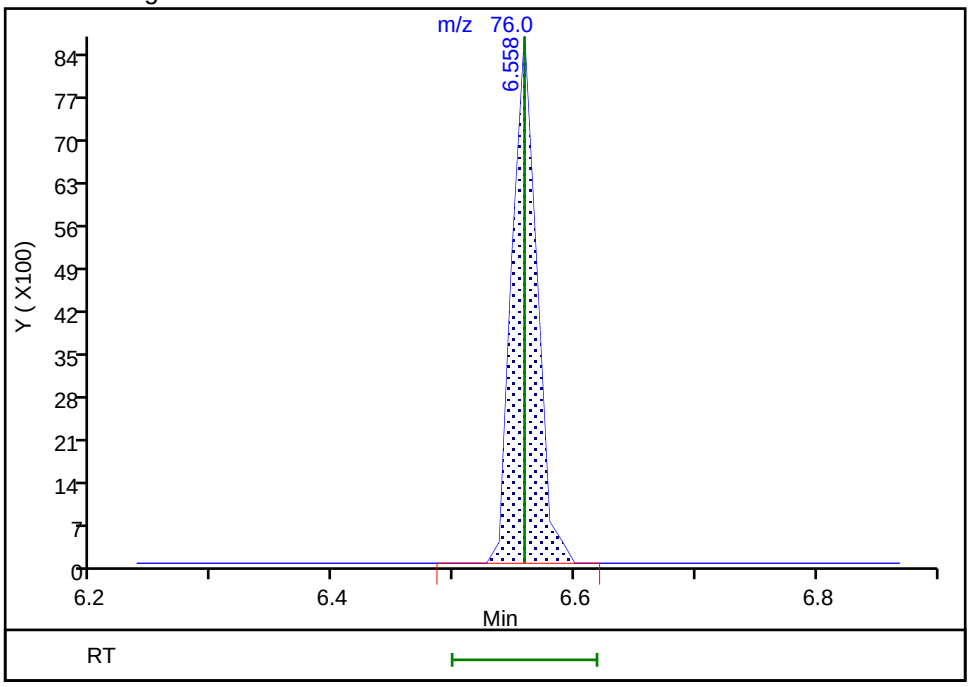
Not Detected
Expected RT: 6.56

Processing Integration Results



Manual Integration Results

RT: 6.56
Area: 12353
Amount: 0.920841
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:17:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

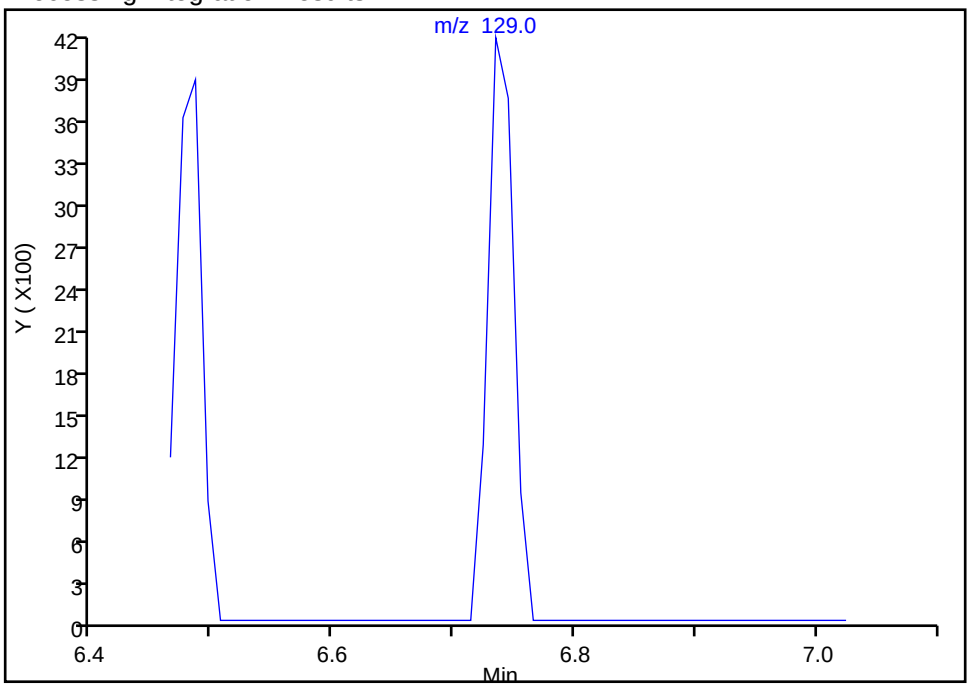
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0008.D
Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

82 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

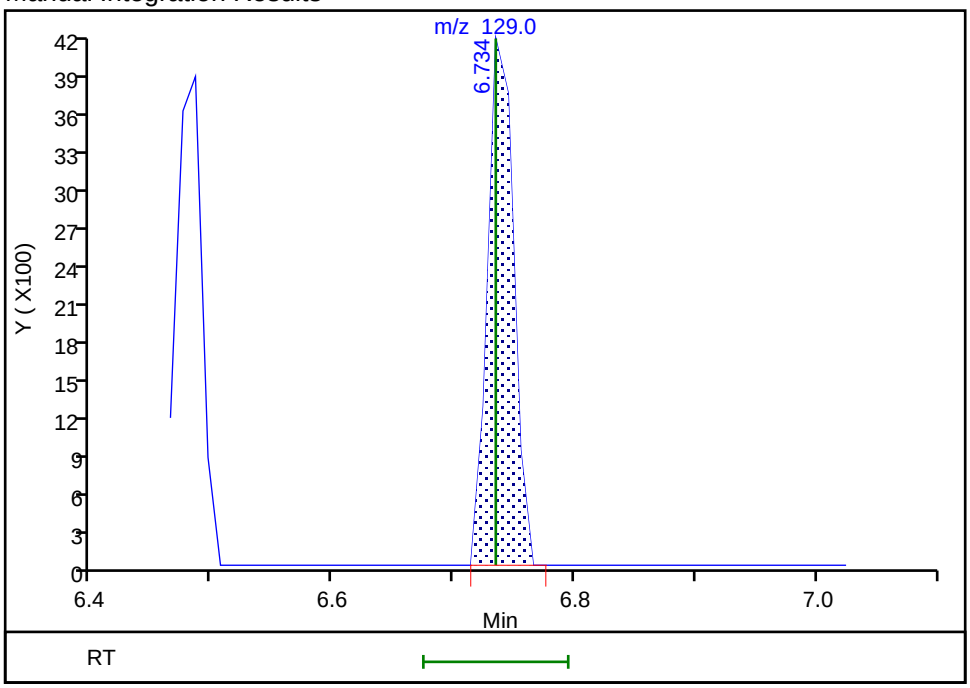
Not Detected
Expected RT: 6.73

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

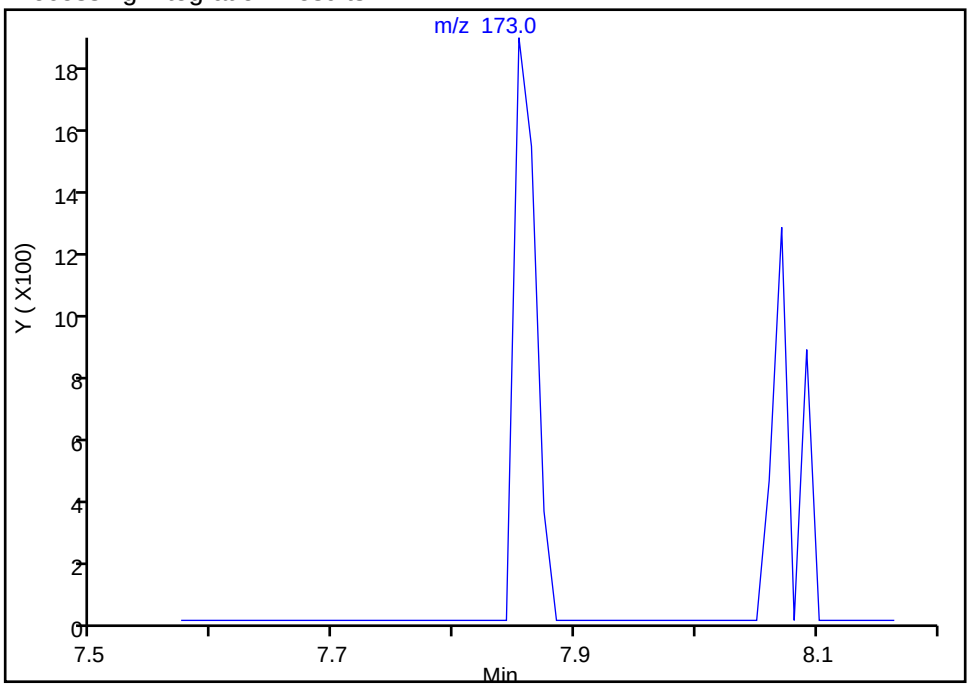
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0008.D
Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

93 Bromoform, CAS: 75-25-2

Signal: 1

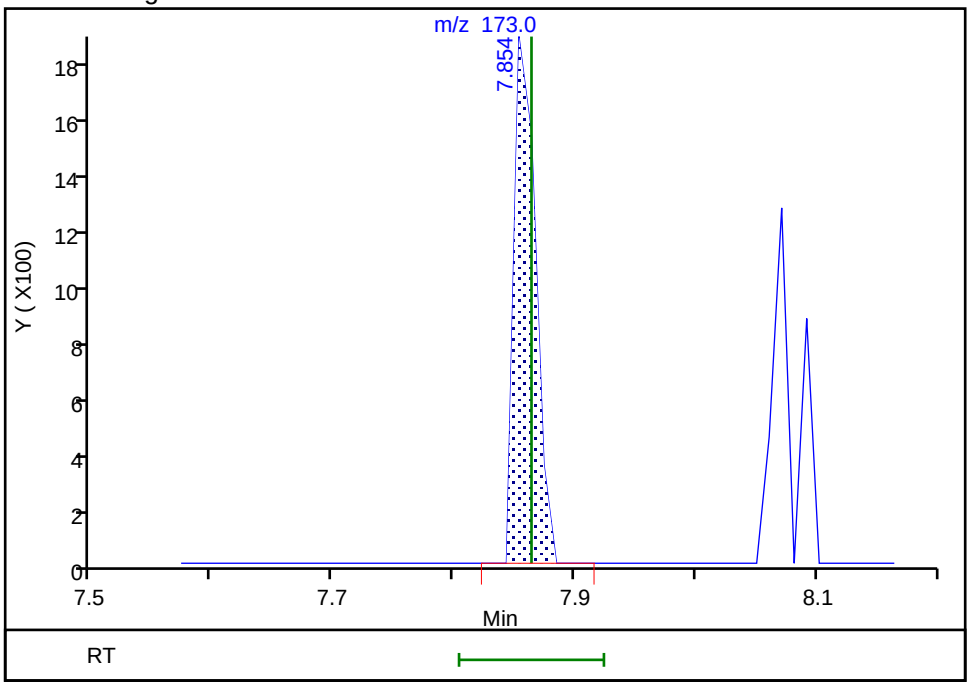
Not Detected
Expected RT: 7.86

Processing Integration Results



Manual Integration Results

RT: 7.85
Area: 2364
Amount: 0.884877
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:17:53
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

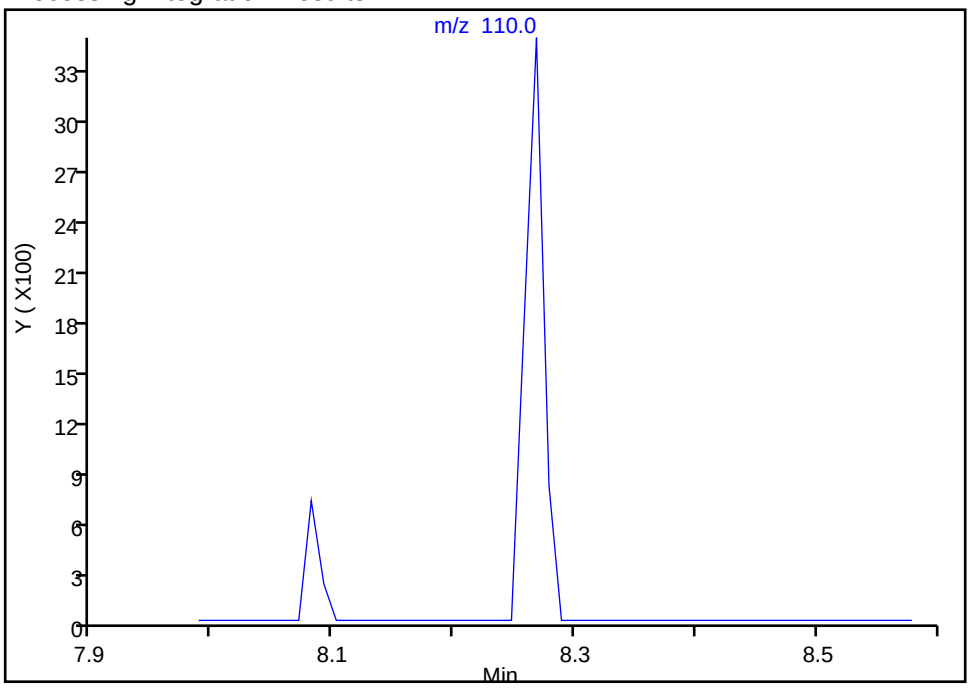
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0008.D
Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

100 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

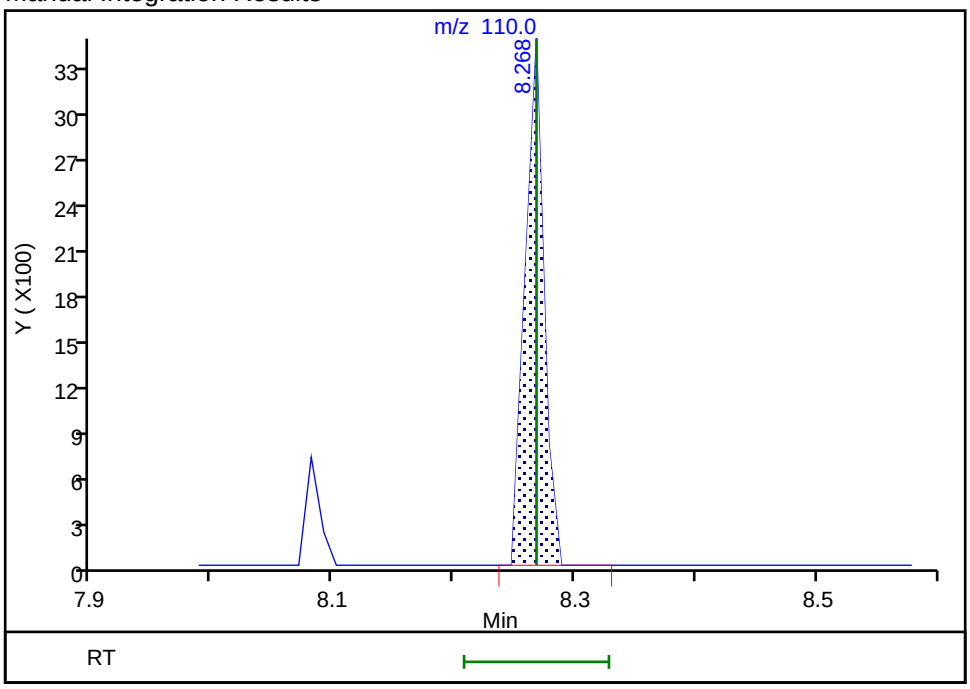
Not Detected
Expected RT: 8.27

Processing Integration Results



Manual Integration Results

RT: 8.27
Area: 3698
Amount: 1.127337
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:18:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

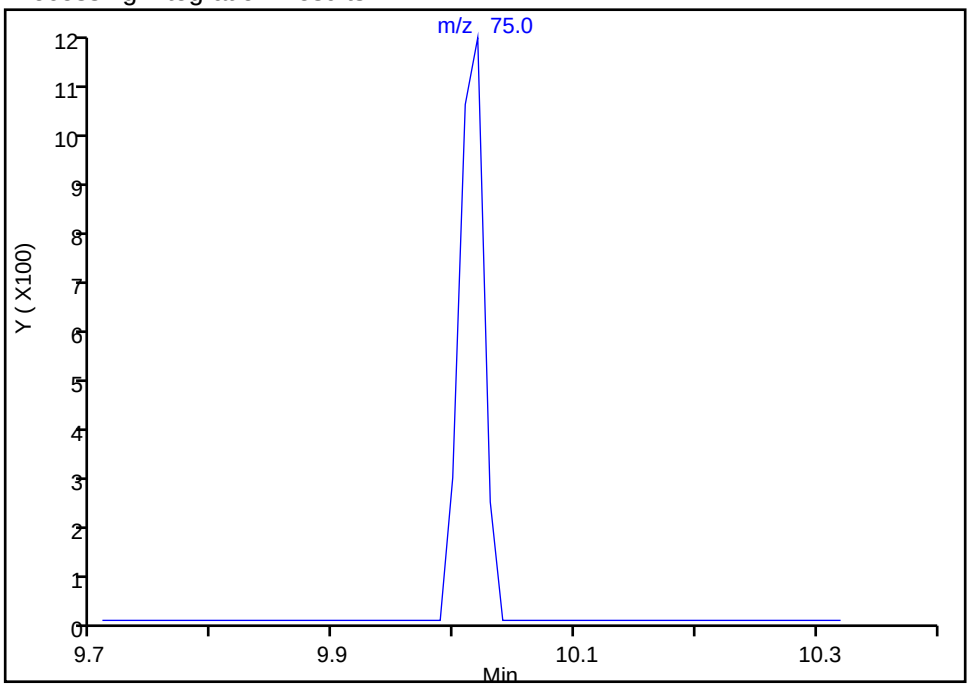
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0008.D
Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

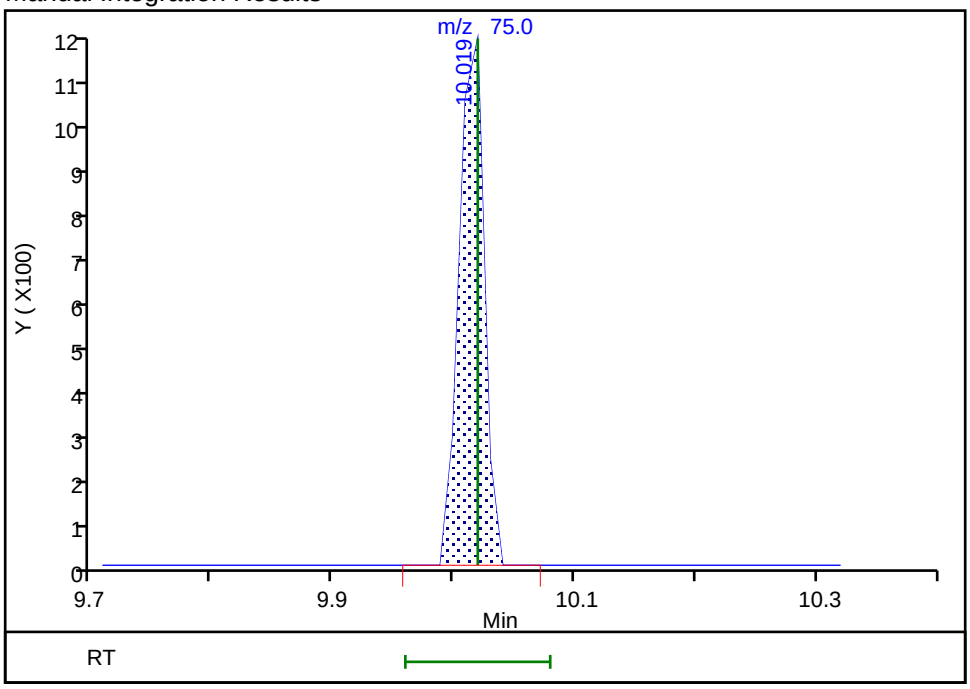
Not Detected
Expected RT: 10.02

Processing Integration Results



Manual Integration Results

RT: 10.02
Area: 1606
Amount: 1.337048
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:18:19
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

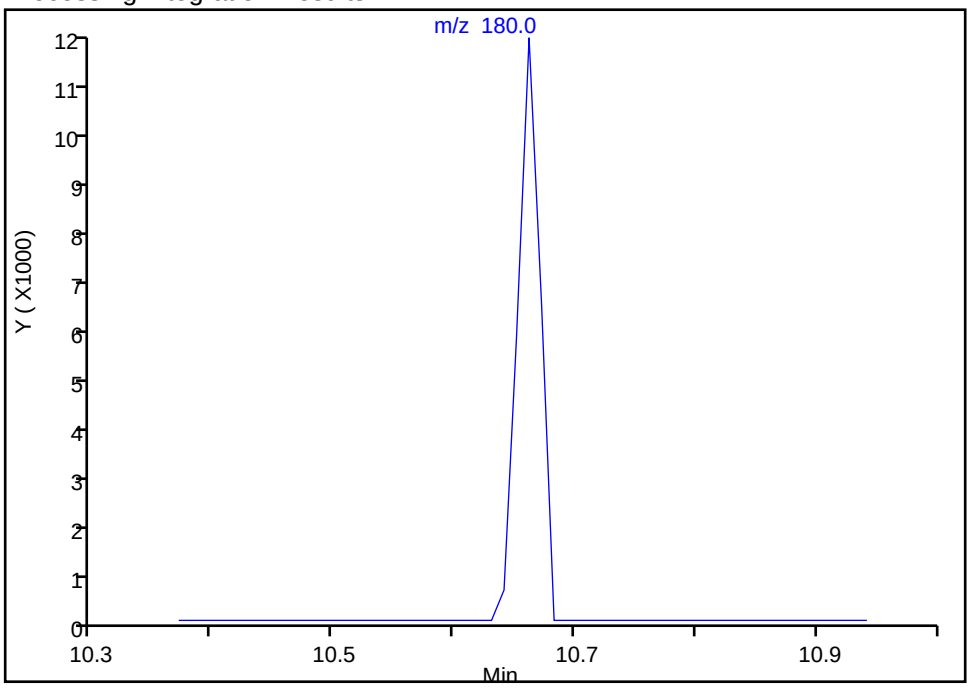
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0008.D
Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

119 1,2,4-Trichlorobenzene, CAS: 120-82-1

Signal: 1

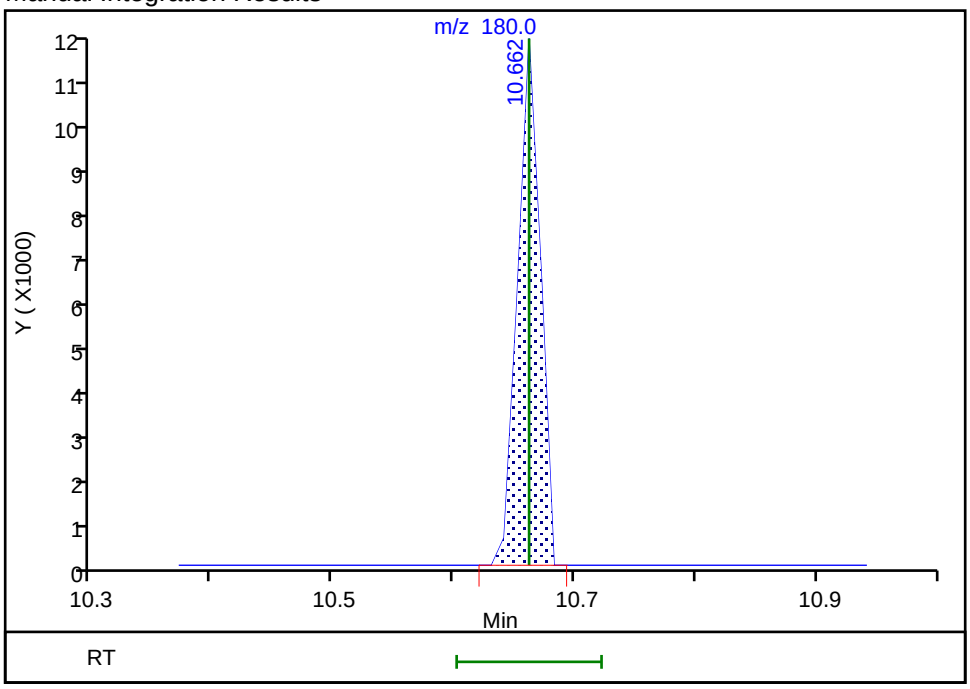
Not Detected
Expected RT: 10.66

Processing Integration Results



Manual Integration Results

RT: 10.66
Area: 14318
Amount: 0.976371
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:18:28
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

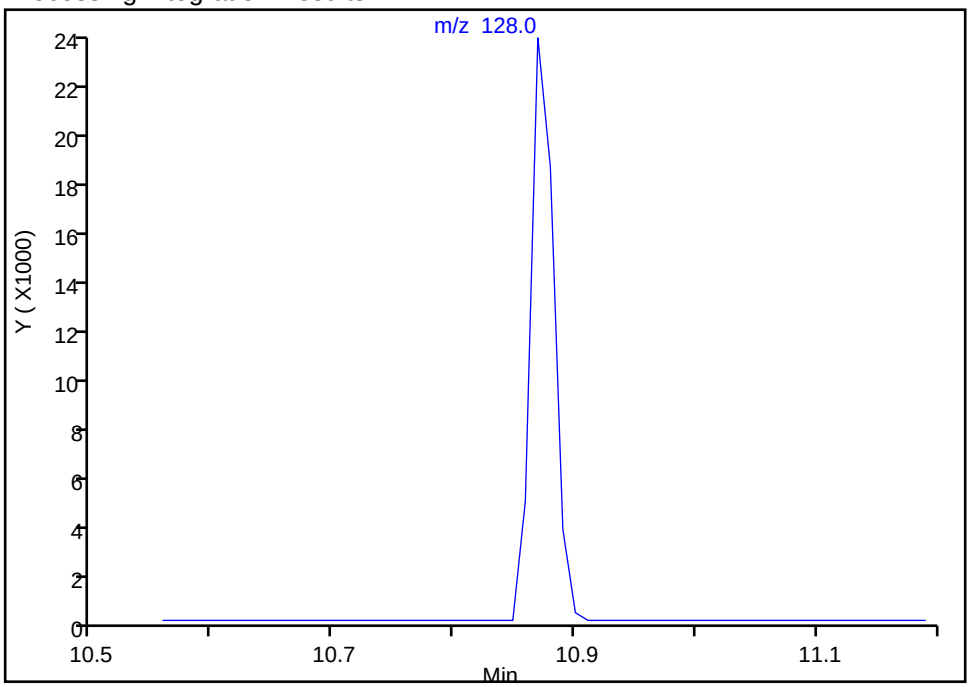
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0008.D
Injection Date: 19-Apr-2019 17:30:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: KN ALS Bottle#: 28 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

121 Naphthalene, CAS: 91-20-3

Signal: 1

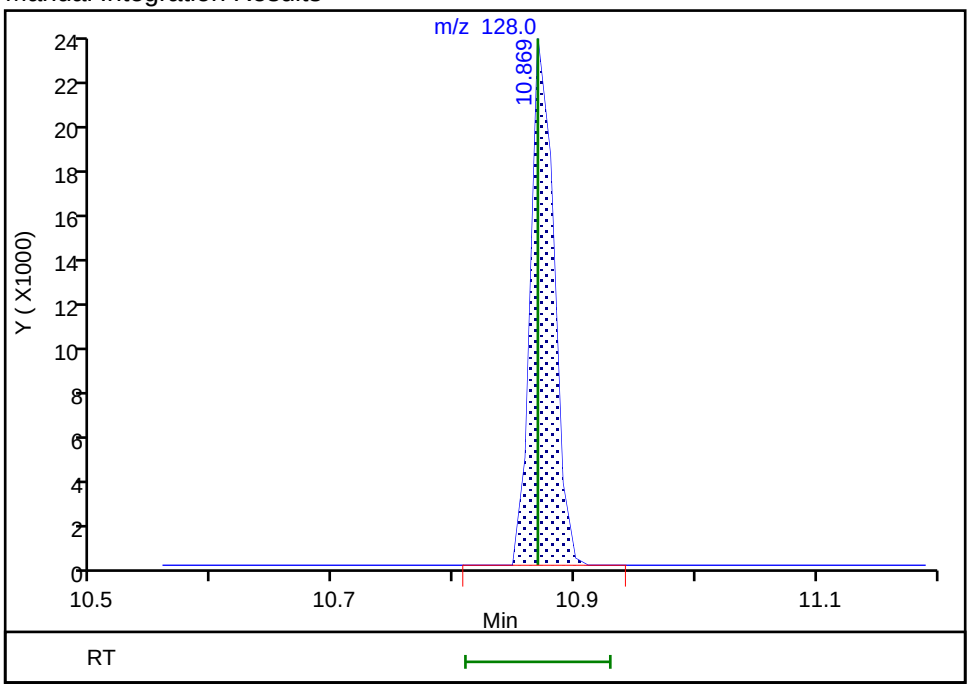
Not Detected
Expected RT: 10.87

Processing Integration Results



Manual Integration Results

RT: 10.87
Area: 31499
Amount: 0.907432
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:18:39
Audit Action: Manually Integrated Audit Reason: Poor chromatography

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

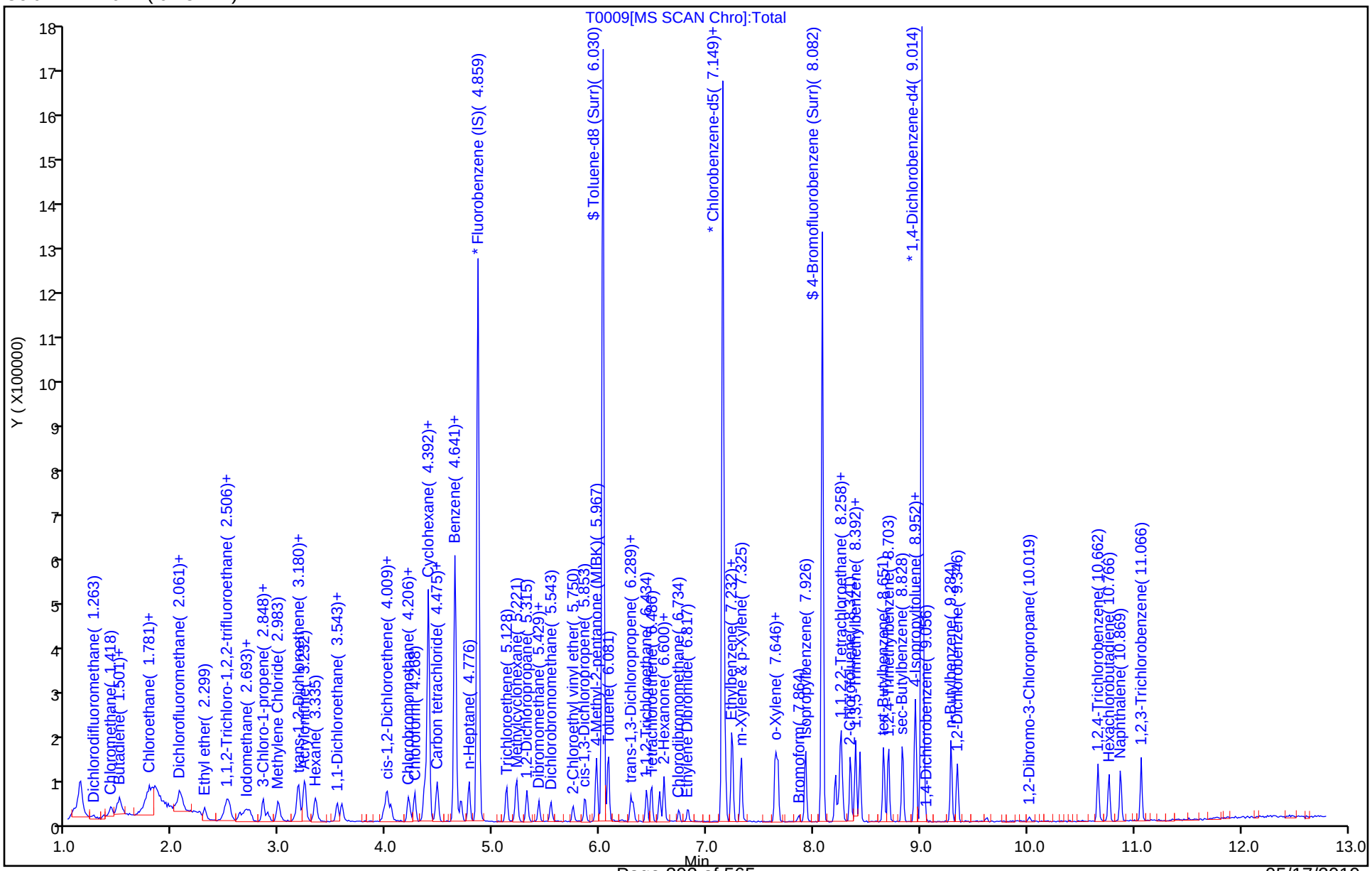
Report Date: 23-Apr-2019 13:29:38 Chrom Revision: 2.3 10-Apr-2019 17:48:54

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)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

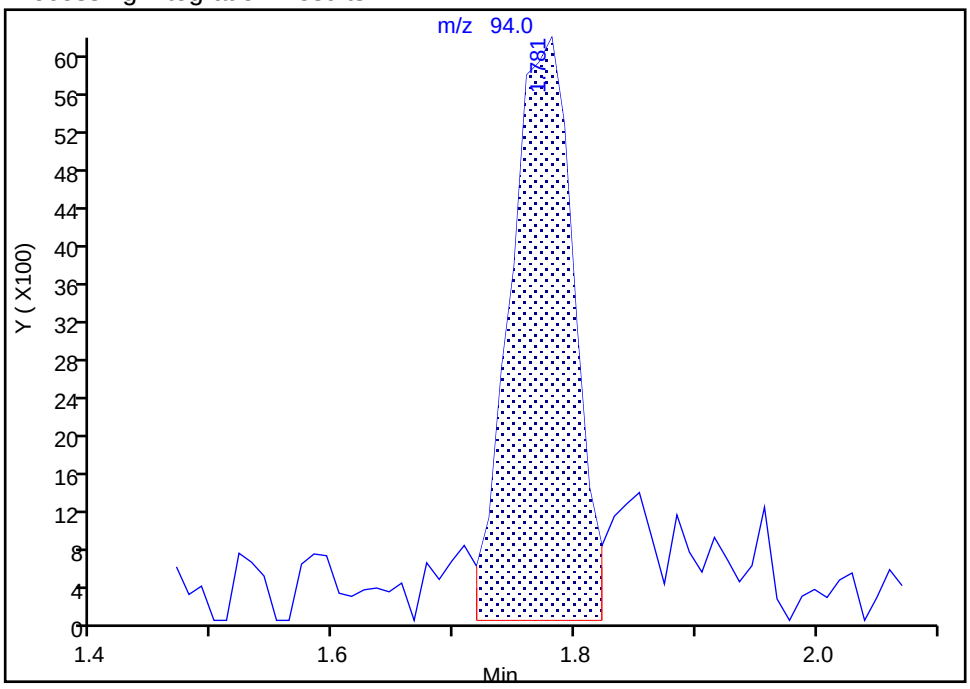
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0009.D
Injection Date: 19-Apr-2019 17:55:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 29 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

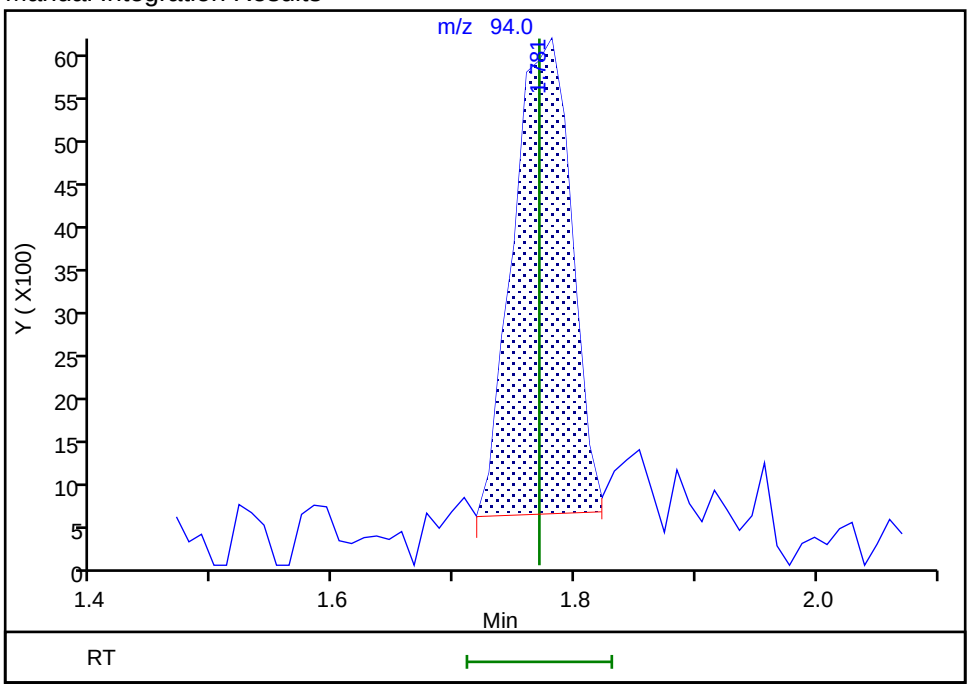
Processing Integration Results

RT: 1.78
Area: 22669
Amount: 2.351231
Amount Units: ug/L



Manual Integration Results

RT: 1.78
Area: 18586
Amount: 1.980153
Amount Units: ug/L



Reviewer: HillL, 23-Apr-2019 12:45:29
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

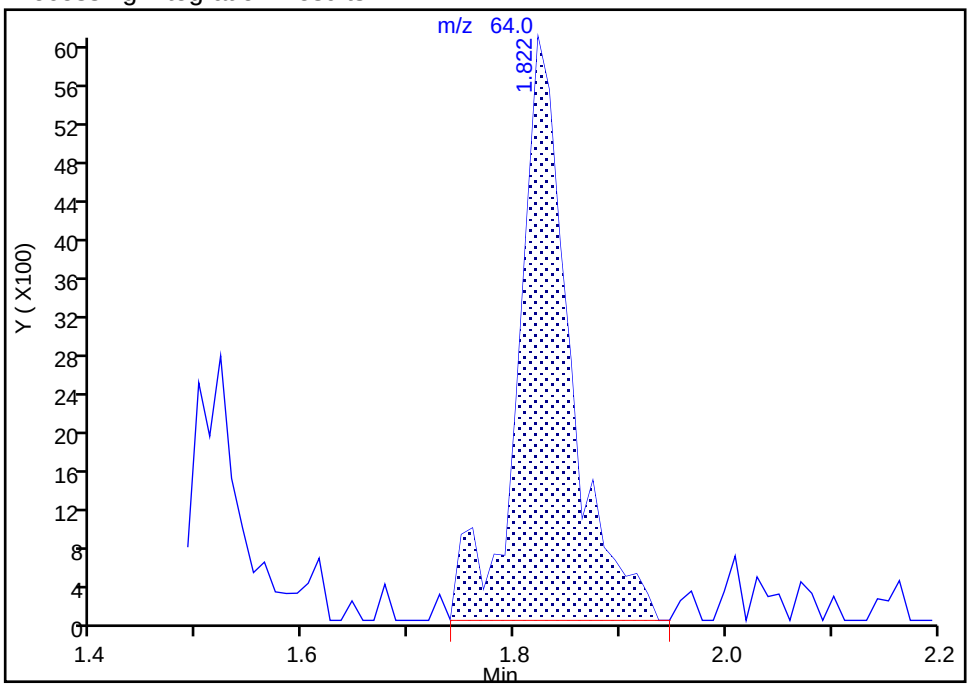
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0009.D
Injection Date: 19-Apr-2019 17:55:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 29 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

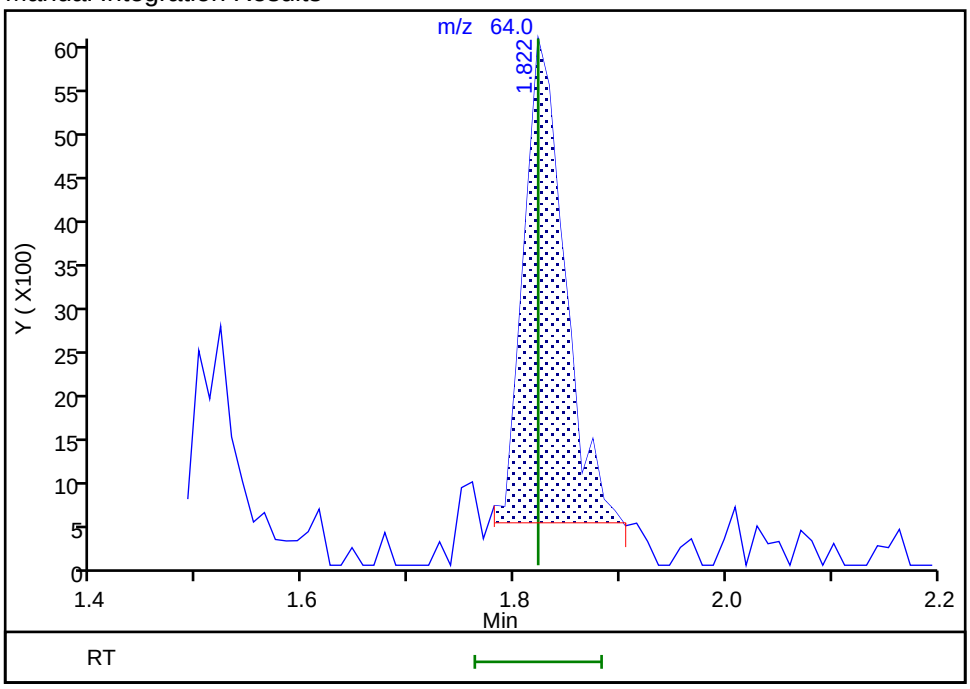
Processing Integration Results

RT: 1.82
Area: 20741
Amount: 2.640412
Amount Units: ug/L



Manual Integration Results

RT: 1.82
Area: 14971
Amount: 1.690047
Amount Units: ug/L



Reviewer: HillL, 23-Apr-2019 12:45:22
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

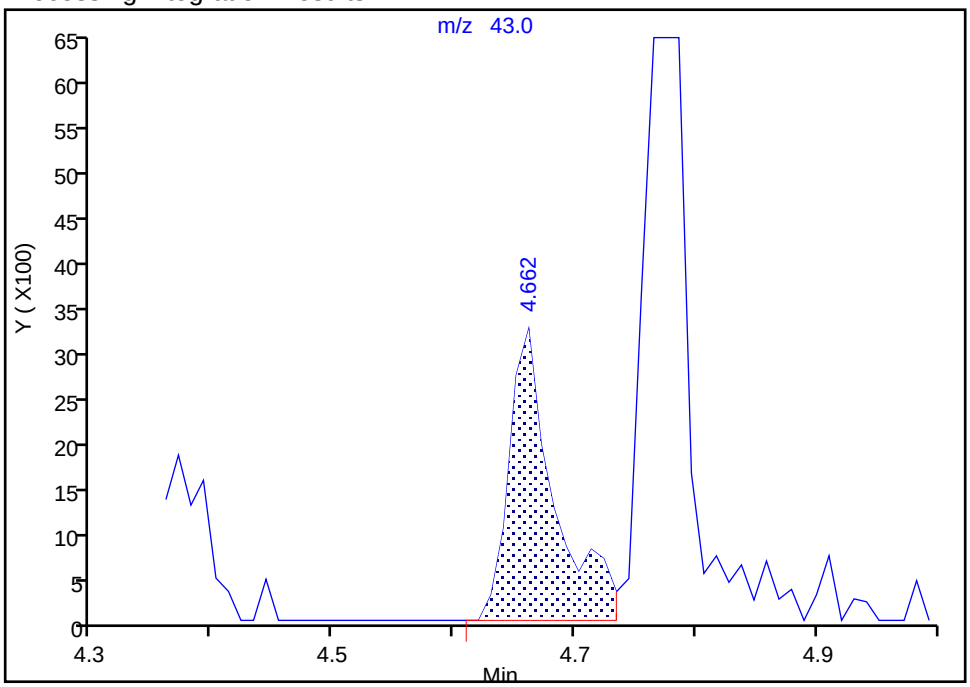
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0009.D
Injection Date: 19-Apr-2019 17:55:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 29 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

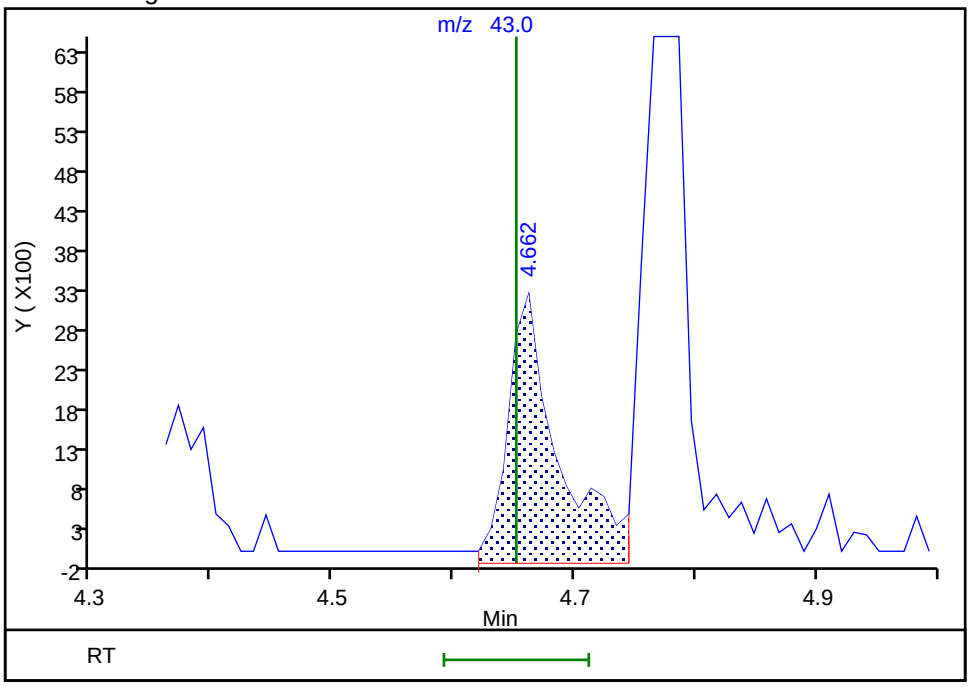
Processing Integration Results

RT: 4.66
Area: 8430
Amount: 43.040329
Amount Units: ug/L



Manual Integration Results

RT: 4.66
Area: 9931
Amount: 48.754941
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:45:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

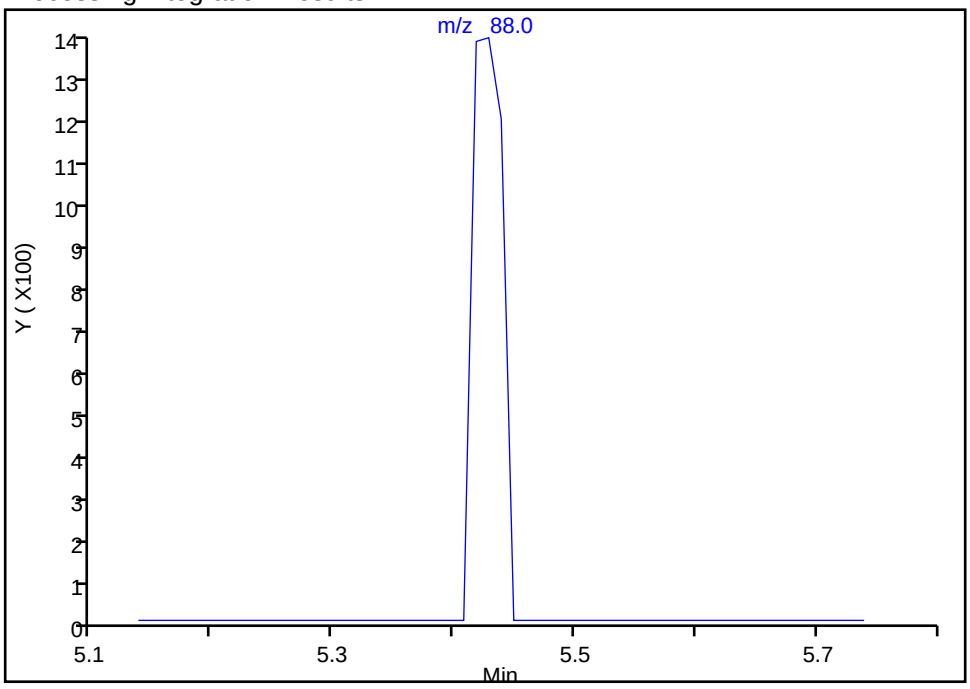
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0009.D
Injection Date: 19-Apr-2019 17:55:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 29 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

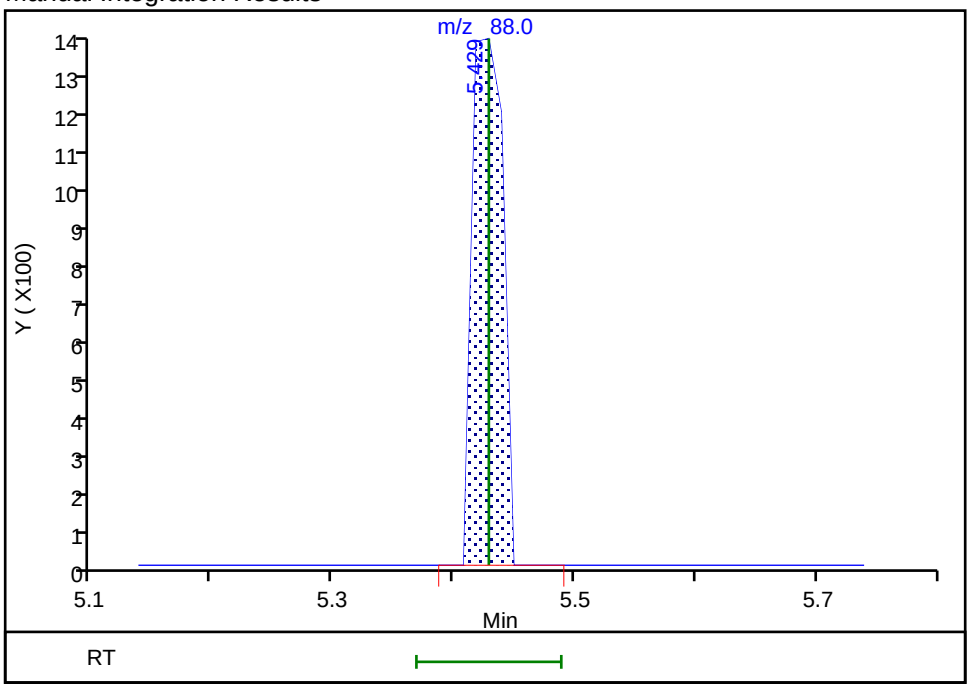
Not Detected
Expected RT: 5.43

Processing Integration Results



Manual Integration Results

RT: 5.43
Area: 2477
Amount: 32.991283
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:20:01
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

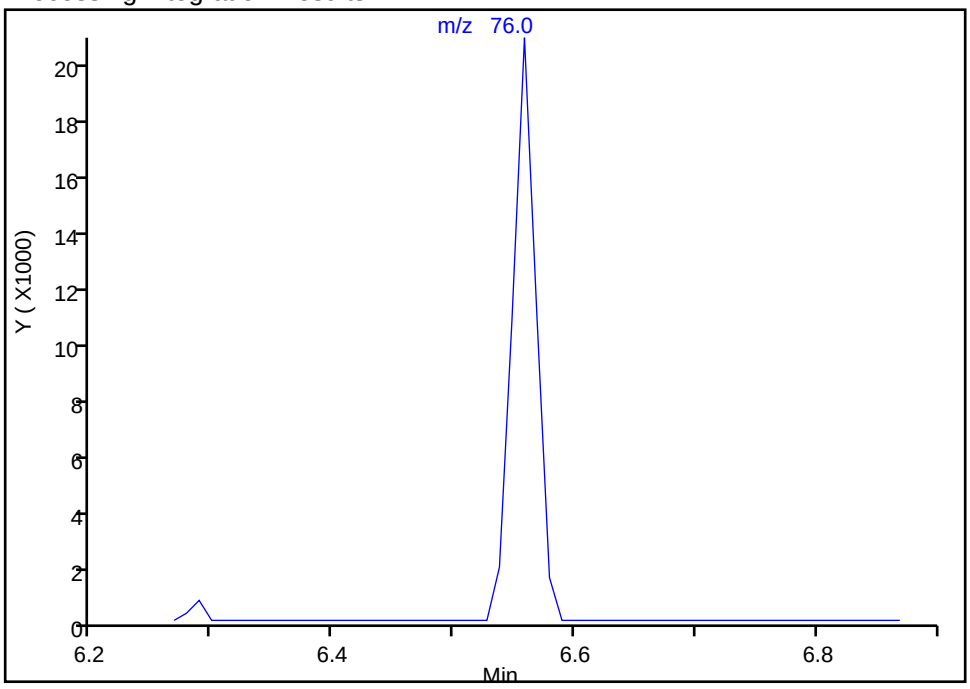
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0009.D
Injection Date: 19-Apr-2019 17:55:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 29 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

80 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

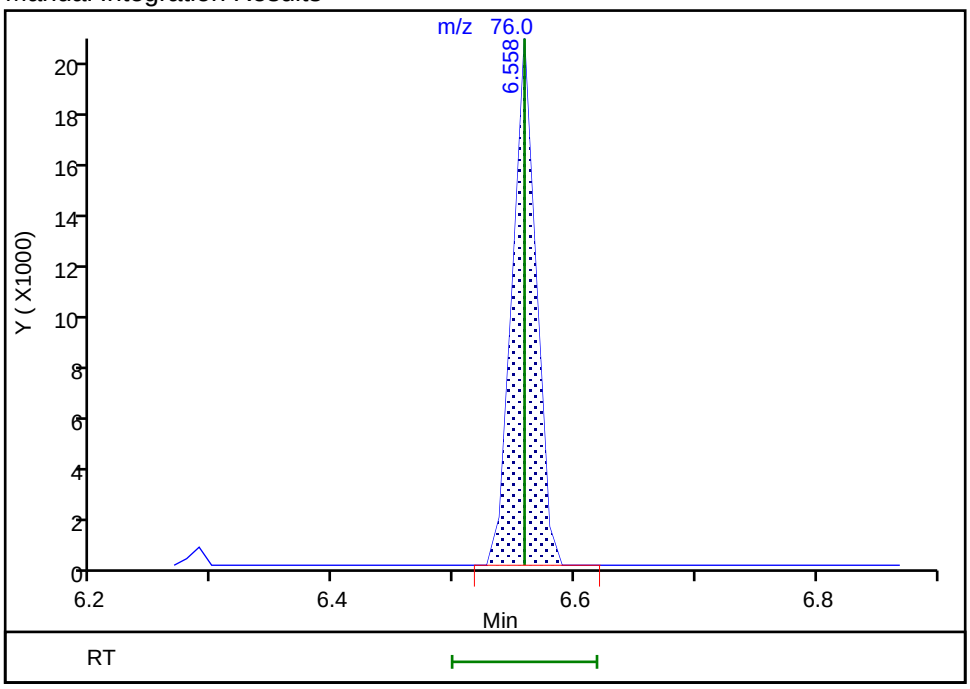
Not Detected
Expected RT: 6.56

Processing Integration Results



Manual Integration Results

RT: 6.56
Area: 27704
Amount: 2.031878
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:20:15
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

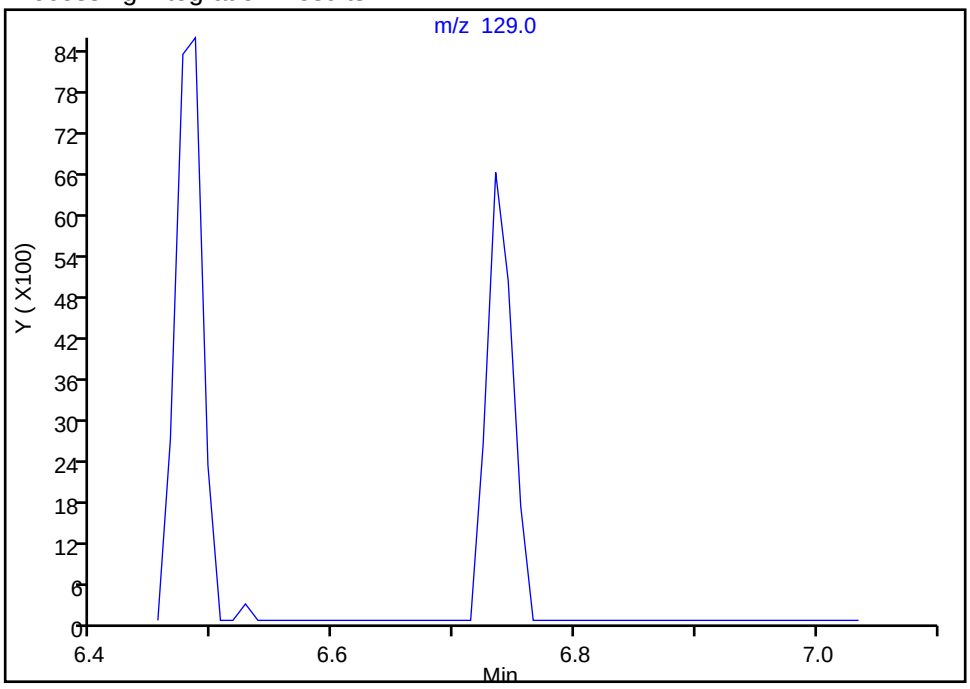
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0009.D
Injection Date: 19-Apr-2019 17:55:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 29 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

82 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

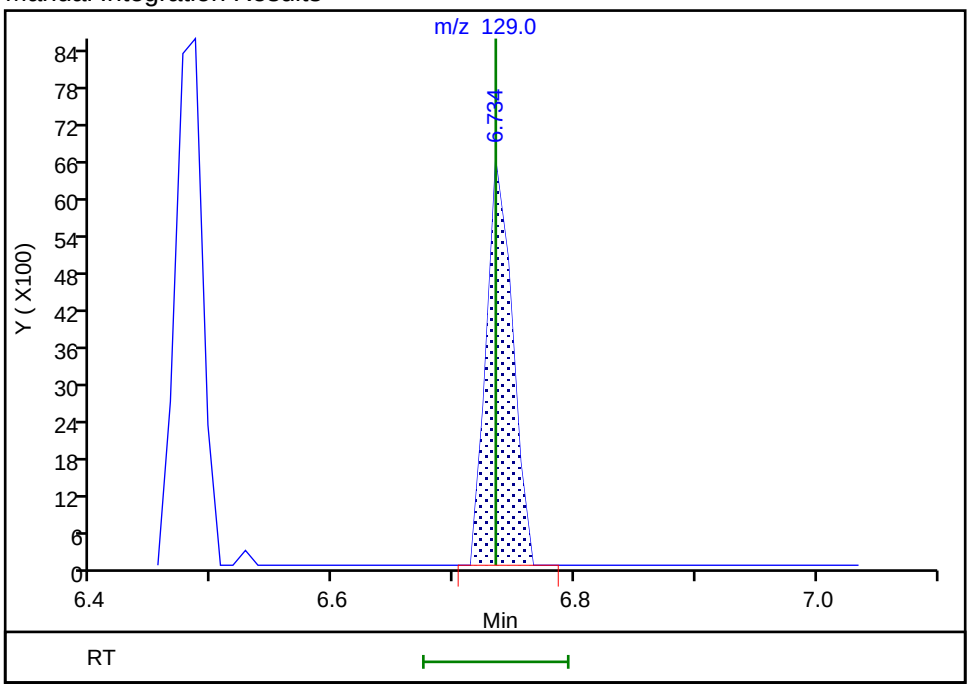
Not Detected
Expected RT: 6.73

Processing Integration Results



Manual Integration Results

RT: 6.73
Area: 9839
Amount: 1.717992
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:20:22
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

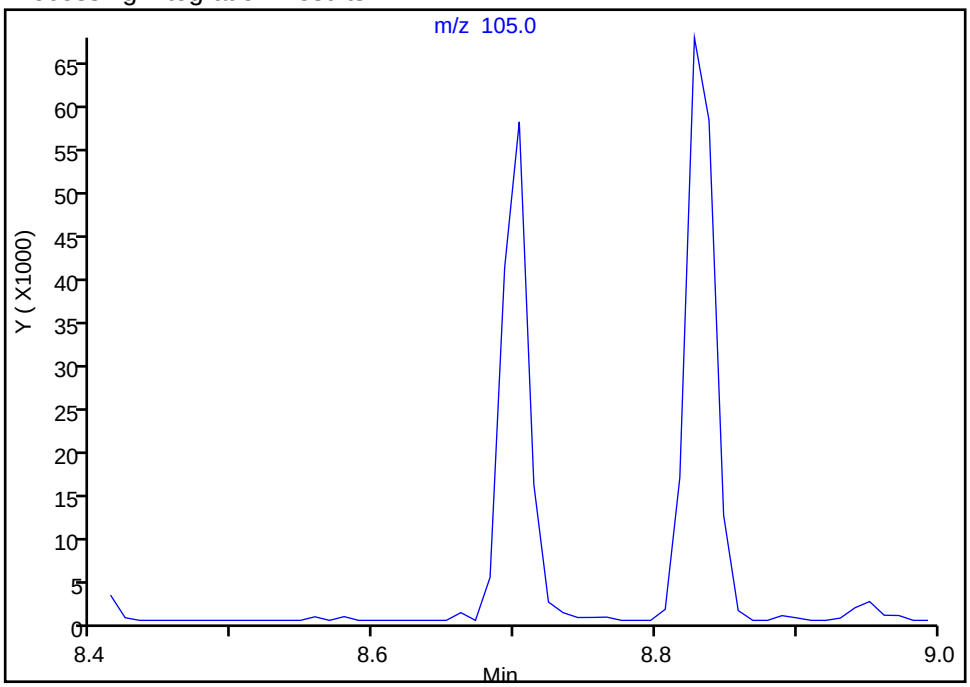
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0009.D
Injection Date: 19-Apr-2019 17:55:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 29 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

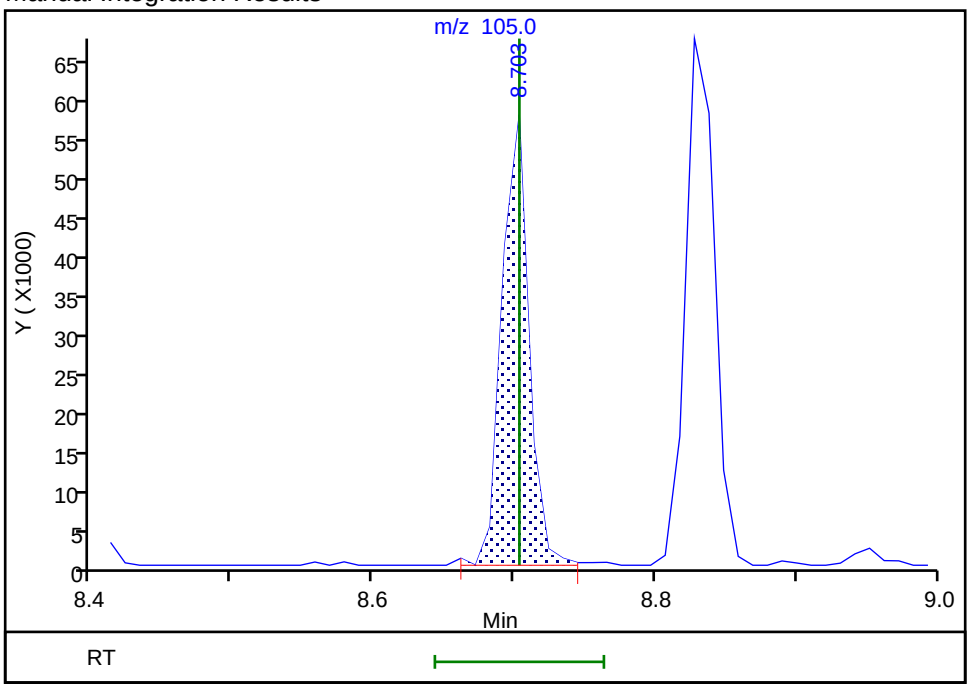
Not Detected
Expected RT: 8.70

Processing Integration Results



Manual Integration Results

RT: 8.70
Area: 76662
Amount: 2.049257
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:20:52
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

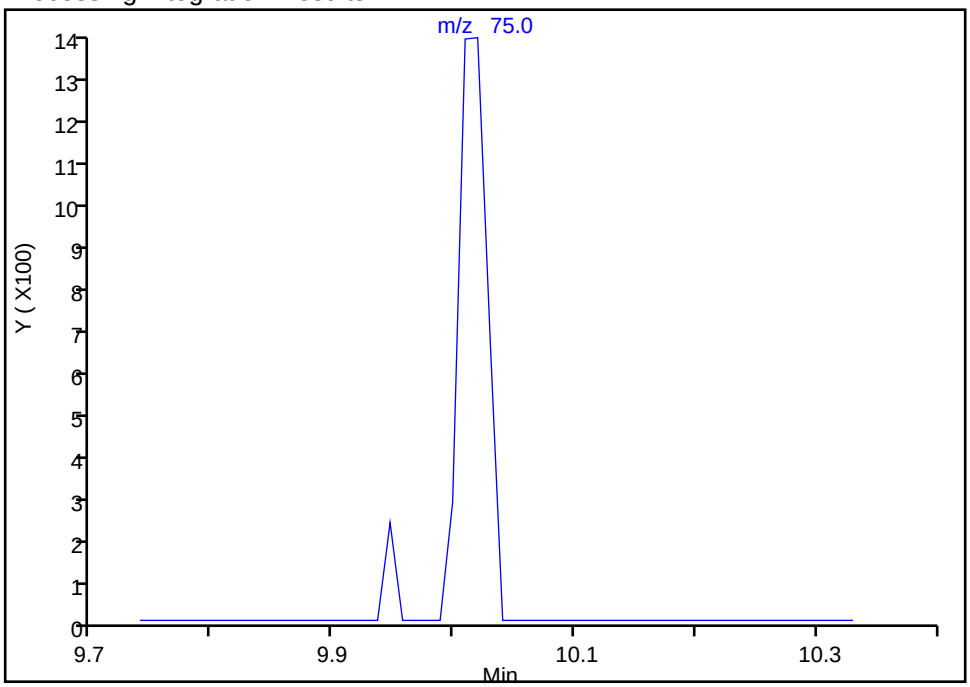
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0009.D
Injection Date: 19-Apr-2019 17:55:30 Instrument ID: HP5975T
Lims ID: IC 2
Client ID:
Operator ID: KN ALS Bottle#: 29 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

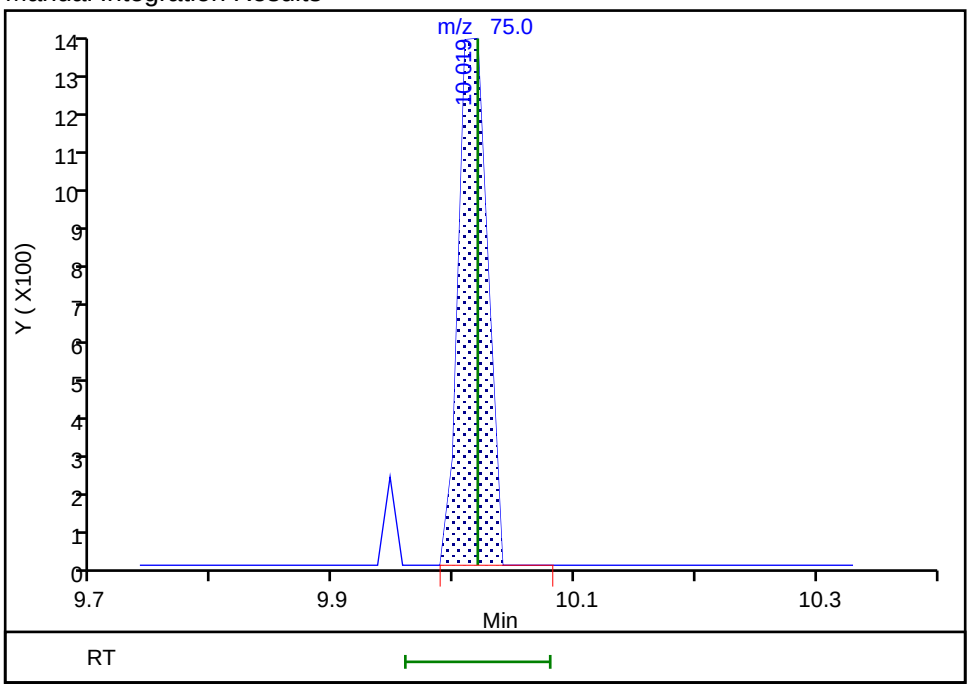
Not Detected
Expected RT: 10.02

Processing Integration Results



Manual Integration Results

RT: 10.02
Area: 2236
Amount: 1.786252
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:21:08
Audit Action: Manually Integrated Audit Reason: Poor chromatography

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

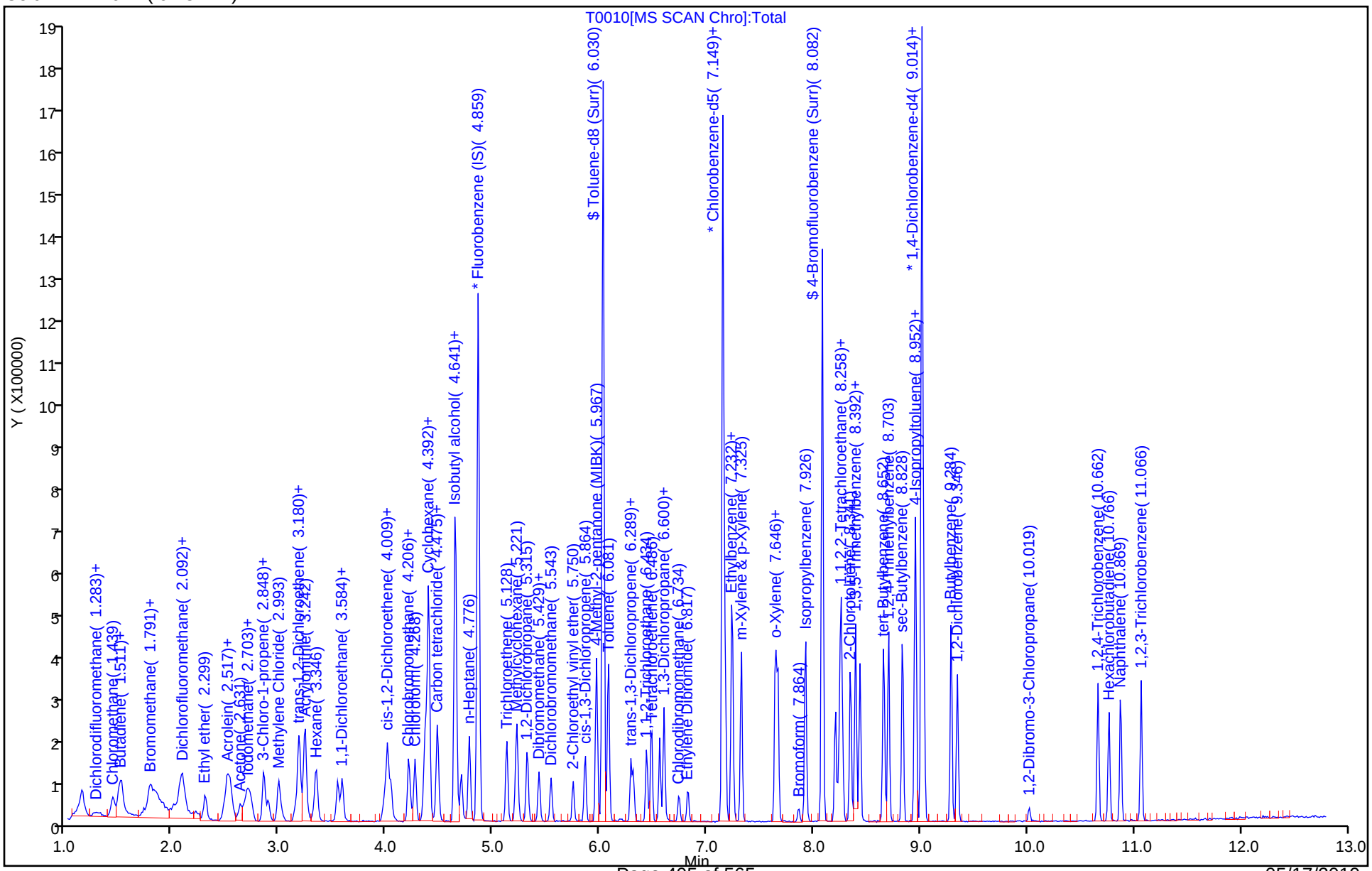
Report Date: 23-Apr-2019 13:29:44 Chrom Revision: 2.3 10-Apr-2019 17:48:54

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	Operator ID:	KN
Lims ID:	IC 3			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

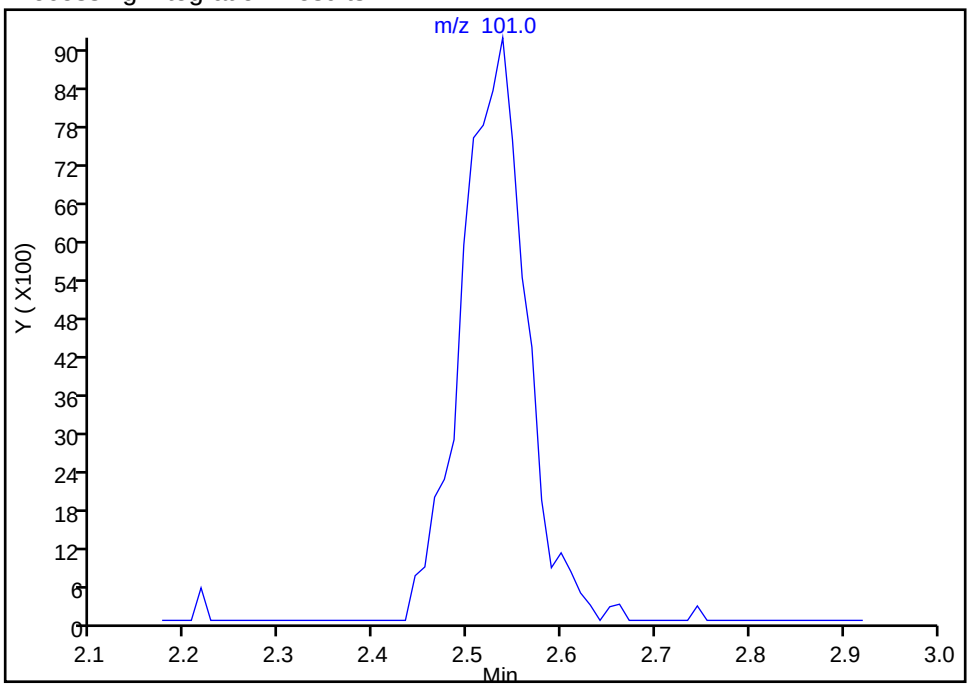
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0010.D
Injection Date: 19-Apr-2019 18:19:30 Instrument ID: HP5975T
Lims ID: IC 3
Client ID:
Operator ID: KN ALS Bottle#: 30 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

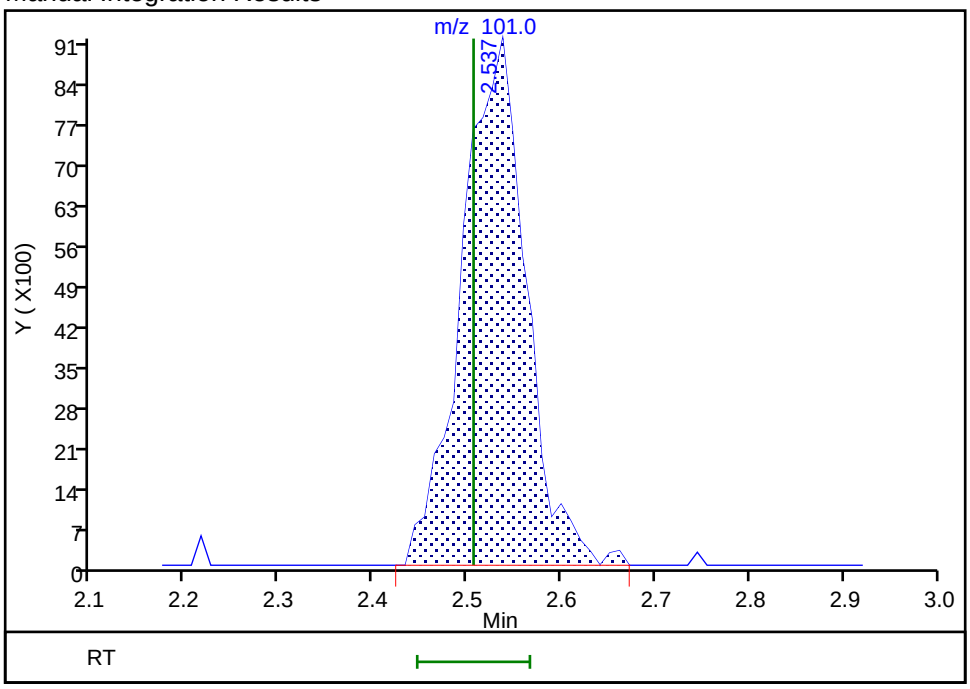
Not Detected
Expected RT: 2.51

Processing Integration Results



Manual Integration Results

RT: 2.54
Area: 43838
Amount: 5.334877
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:25:57
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

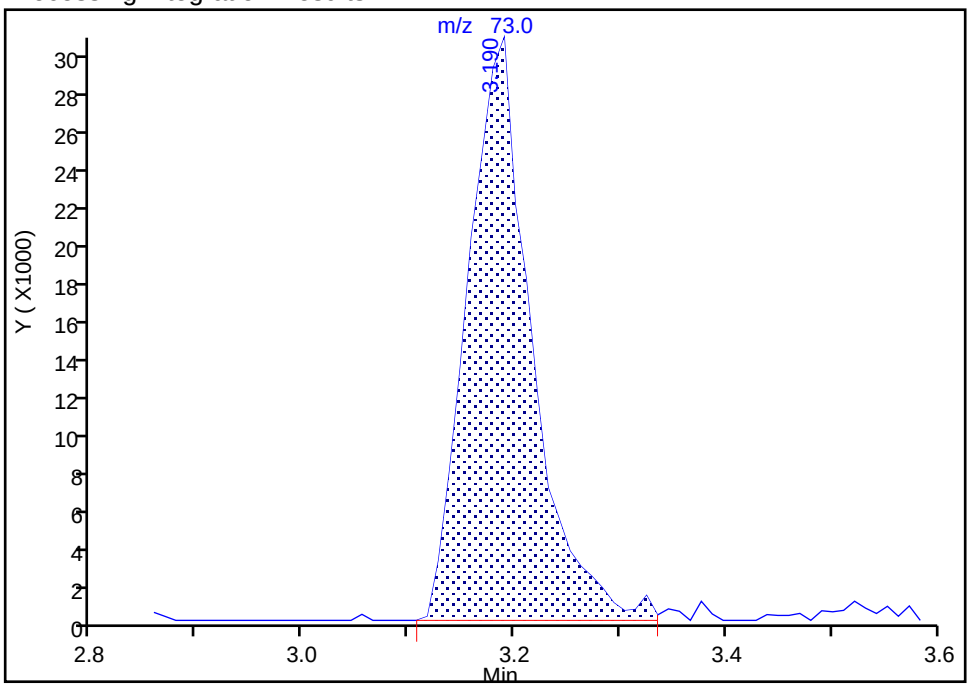
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0010.D
Injection Date: 19-Apr-2019 18:19:30 Instrument ID: HP5975T
Lims ID: IC 3
Client ID:
Operator ID: KN ALS Bottle#: 30 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

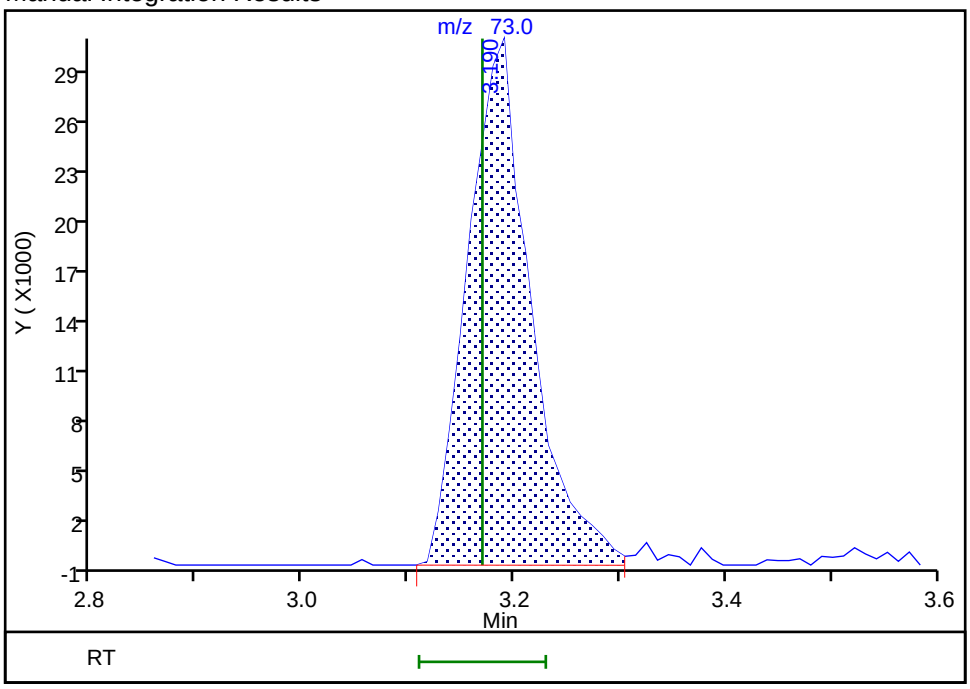
Processing Integration Results

RT: 3.19
Area: 128002
Amount: 5.187670
Amount Units: ug/L



Manual Integration Results

RT: 3.19
Area: 126757
Amount: 5.143701
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:26:24
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

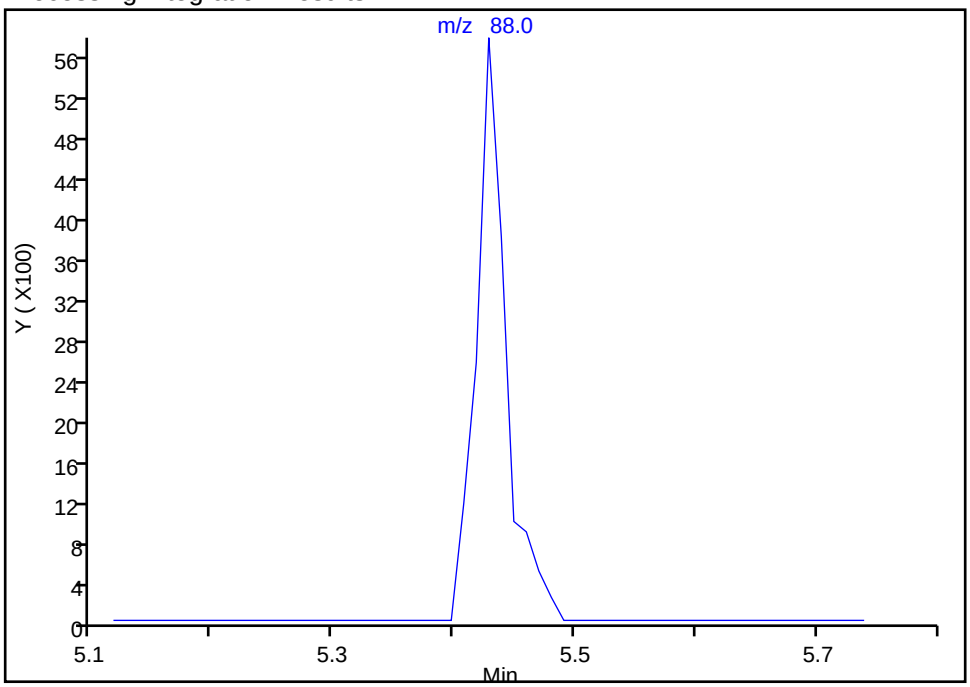
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0010.D
Injection Date: 19-Apr-2019 18:19:30 Instrument ID: HP5975T
Lims ID: IC 3
Client ID:
Operator ID: KN ALS Bottle#: 30 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

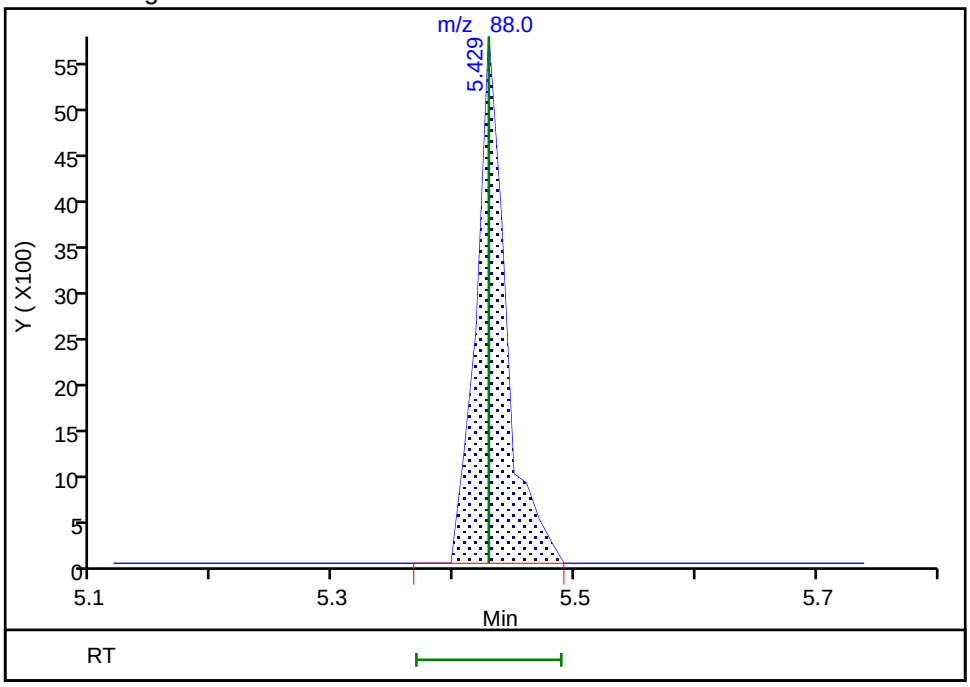
Not Detected
Expected RT: 5.43

Processing Integration Results



Manual Integration Results

RT: 5.43
Area: 9844
Amount: 114.7972
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:26:52
Audit Action: Manually Integrated Audit Reason: Poor chromatography

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

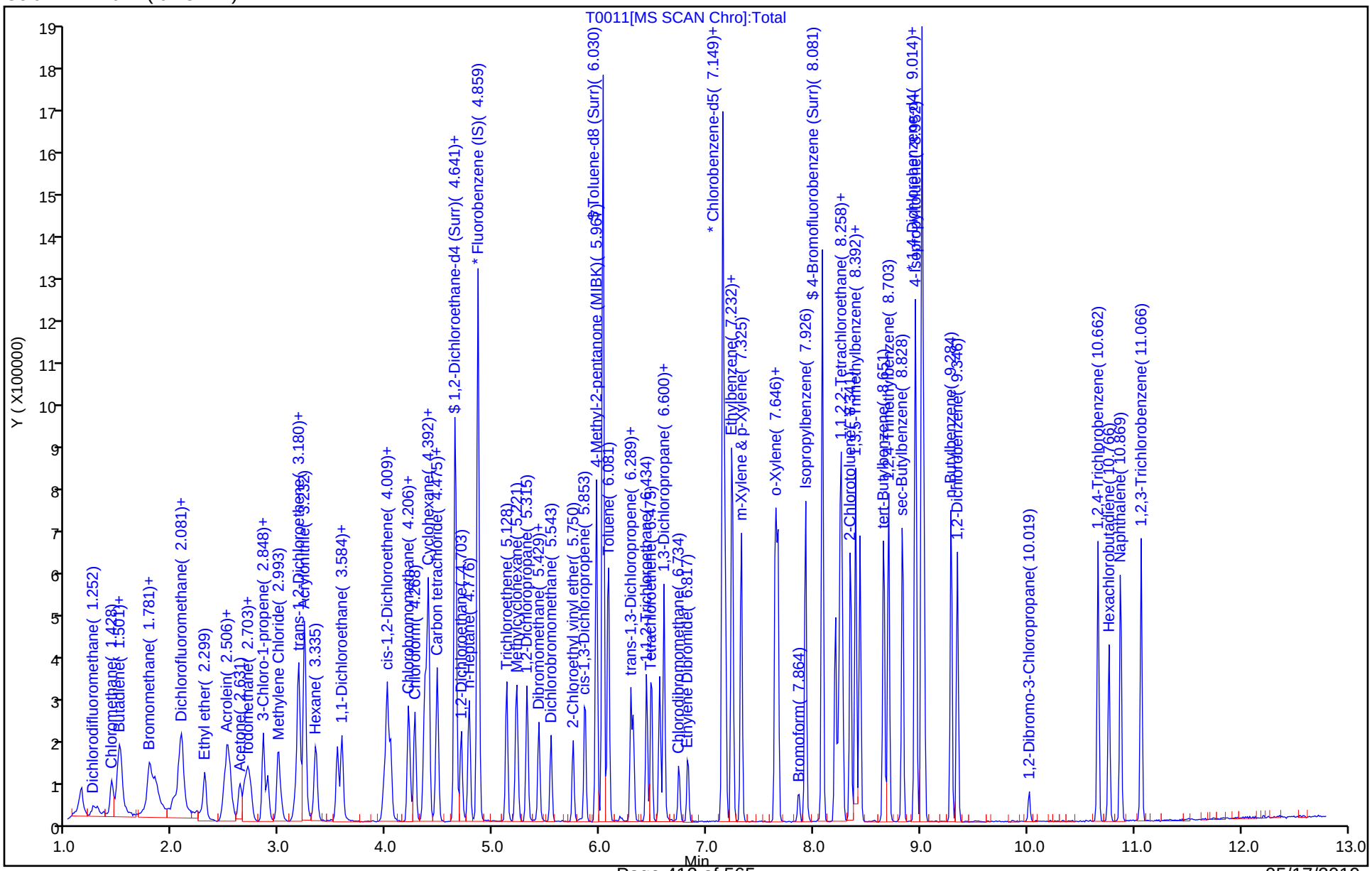
Report Date: 23-Apr-2019 13:29:51 Chrom Revision: 2.3 10-Apr-2019 17:48:54

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	Operator ID:	KN
Lims ID:	IC 4			Worklist Smp#:	9
Client ID:					
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)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

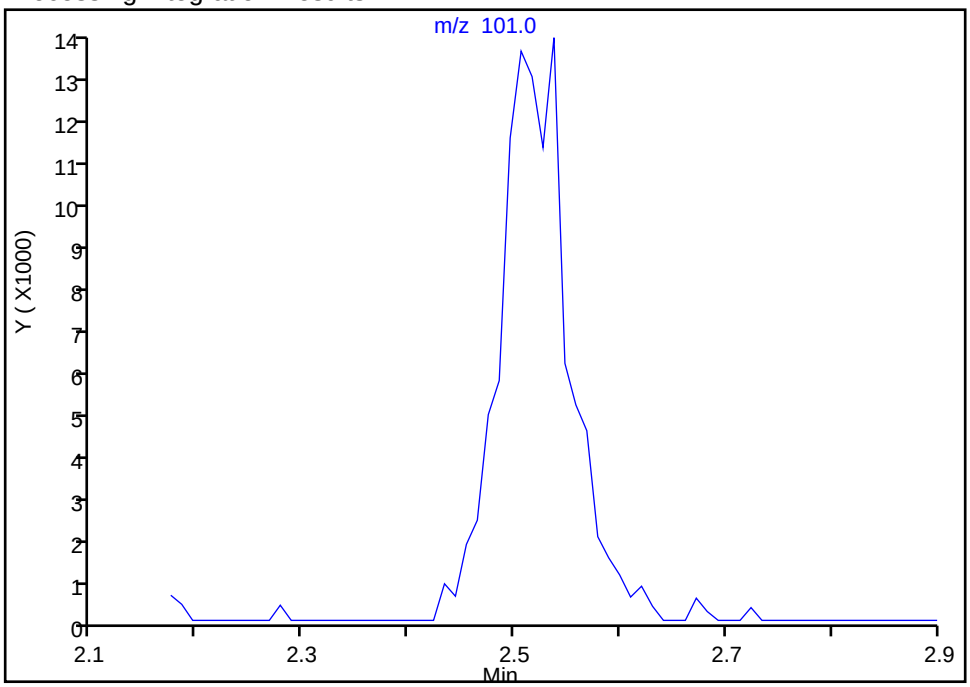
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0011.D
Injection Date: 19-Apr-2019 18:44:30 Instrument ID: HP5975T
Lims ID: IC 4
Client ID:
Operator ID: KN ALS Bottle#: 31 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

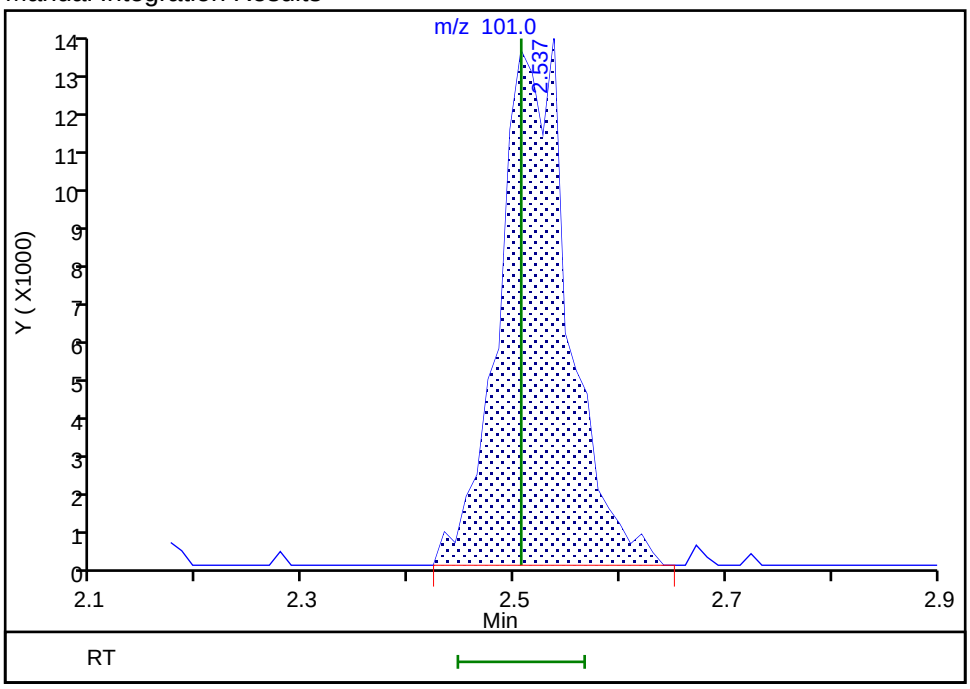
Not Detected
Expected RT: 2.51

Processing Integration Results



Manual Integration Results

RT: 2.54
Area: 60073
Amount: 7.846029
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:27:54
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

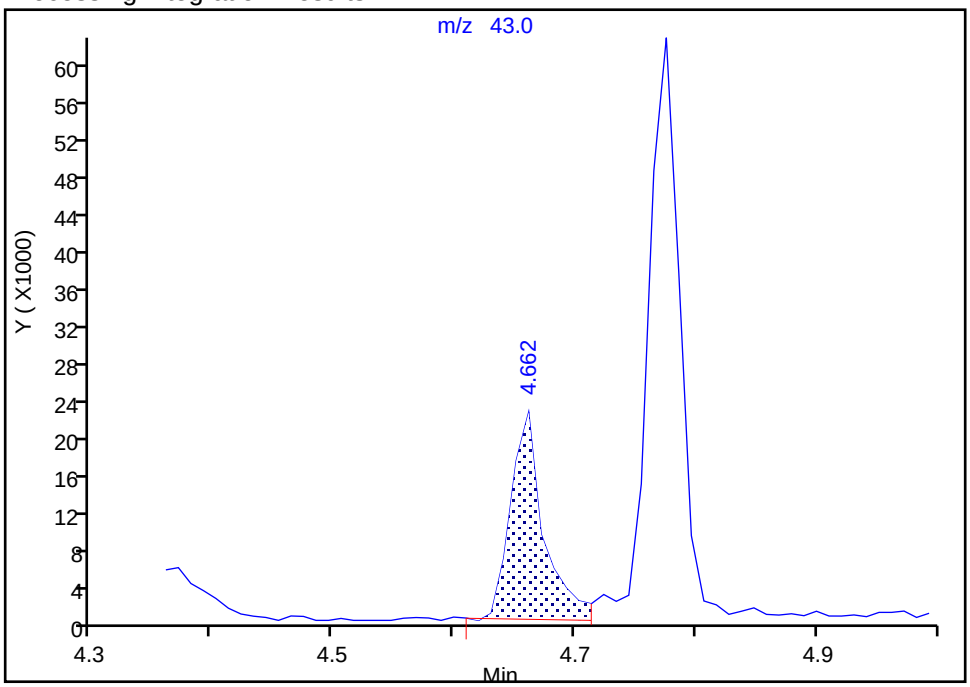
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0011.D
Injection Date: 19-Apr-2019 18:44:30 Instrument ID: HP5975T
Lims ID: IC 4
Client ID:
Operator ID: KN ALS Bottle#: 31 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

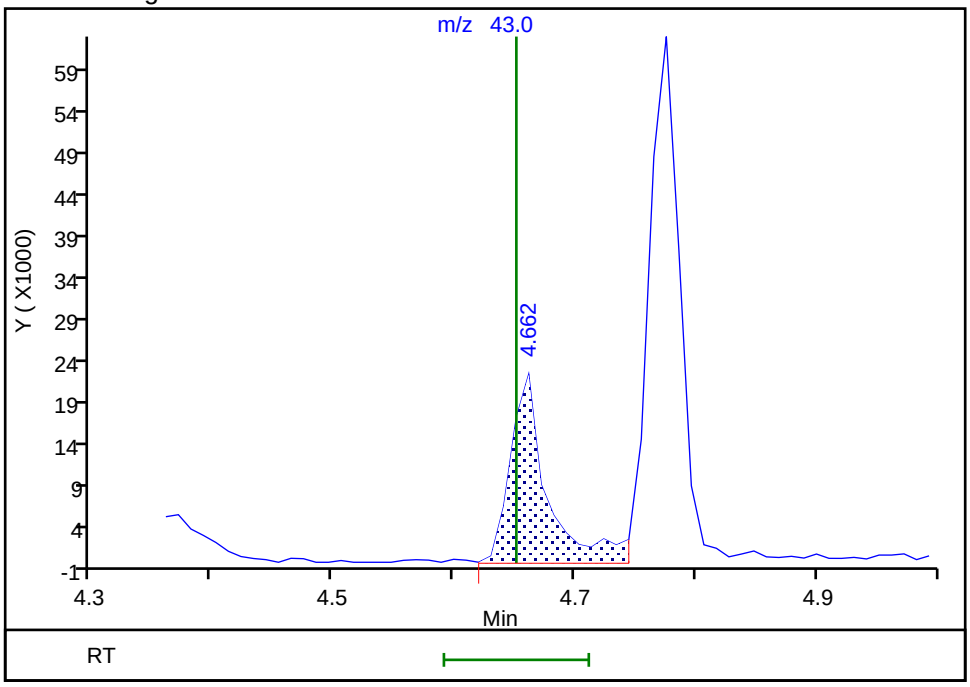
Processing Integration Results

RT: 4.66
Area: 42290
Amount: 210.3864
Amount Units: ug/L



Manual Integration Results

RT: 4.66
Area: 48513
Amount: 237.1496
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:46:46
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

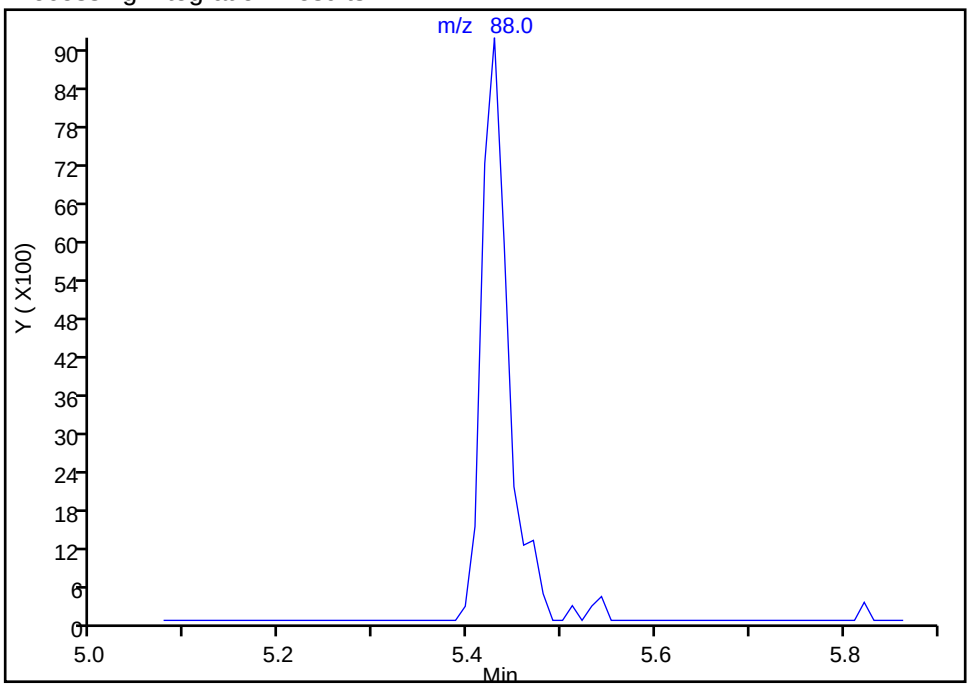
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0011.D
Injection Date: 19-Apr-2019 18:44:30 Instrument ID: HP5975T
Lims ID: IC 4
Client ID:
Operator ID: KN ALS Bottle#: 31 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

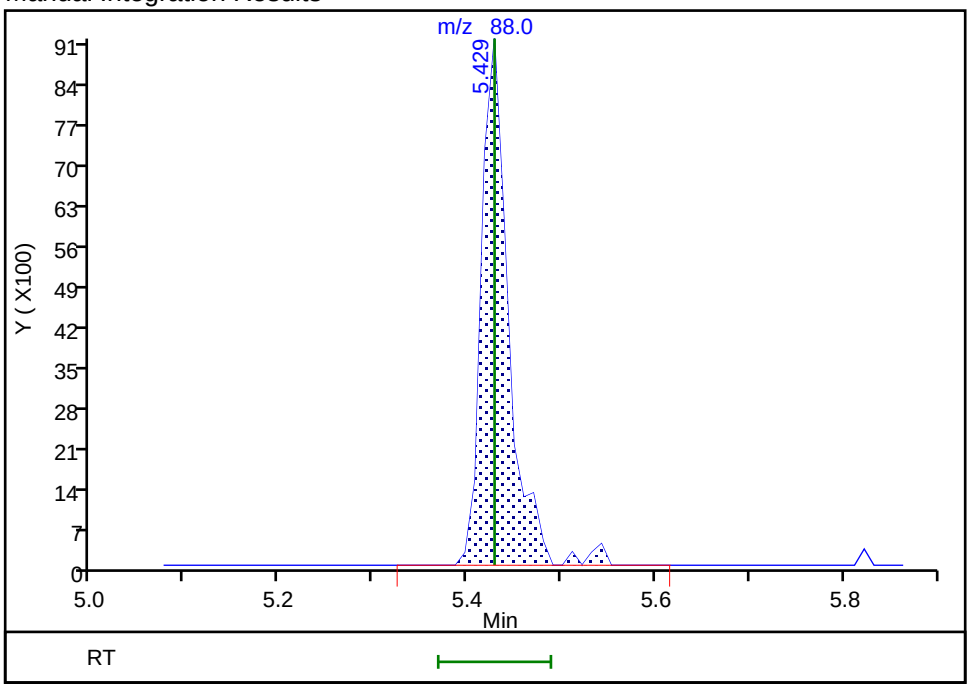
Not Detected
Expected RT: 5.43

Processing Integration Results



Manual Integration Results

RT: 5.43
Area: 18446
Amount: 209.6037
Amount Units: ug/L



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

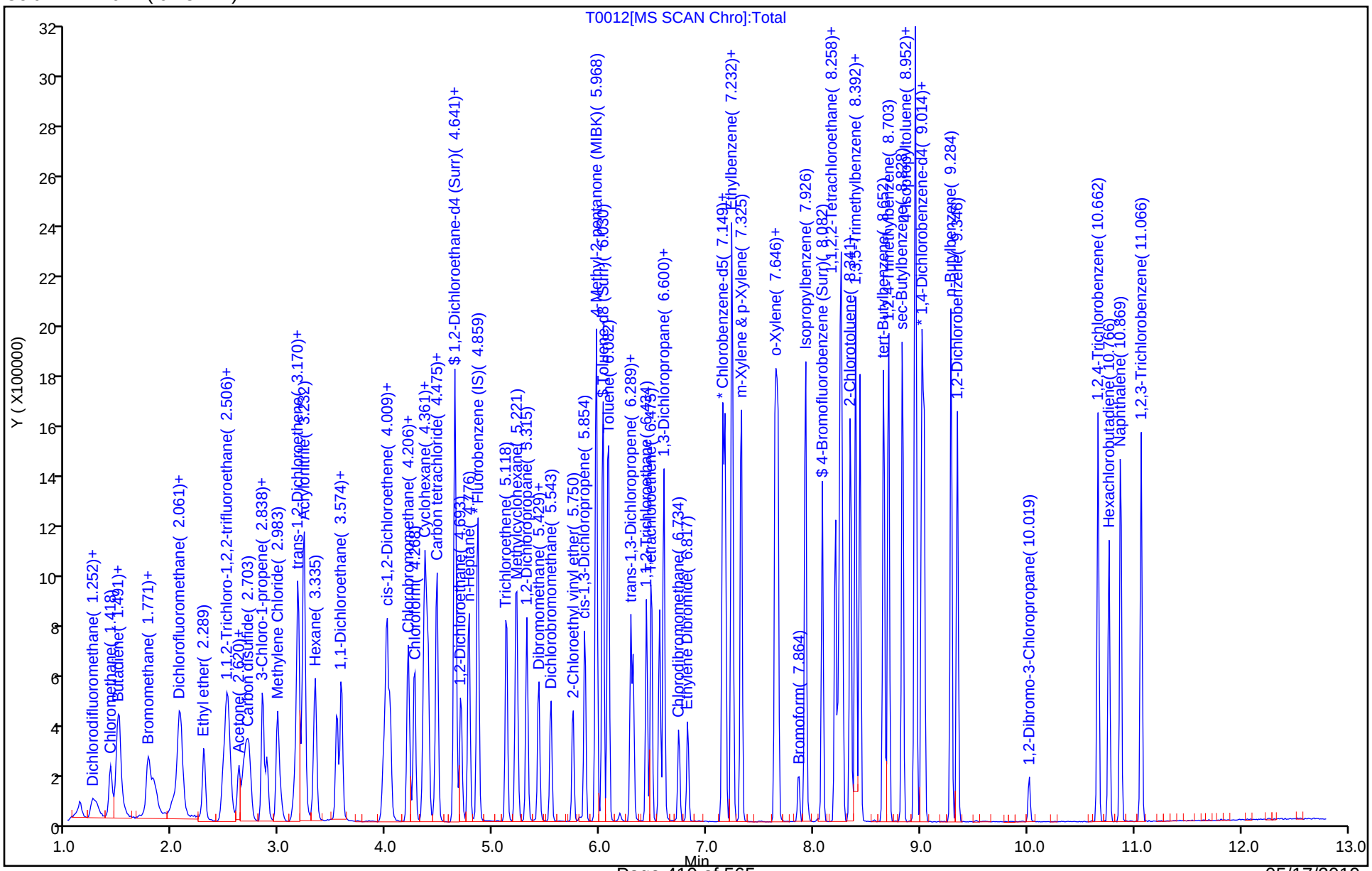
Report Date: 23-Apr-2019 13:29:58 Chrom Revision: 2.3 10-Apr-2019 17:48:54

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	

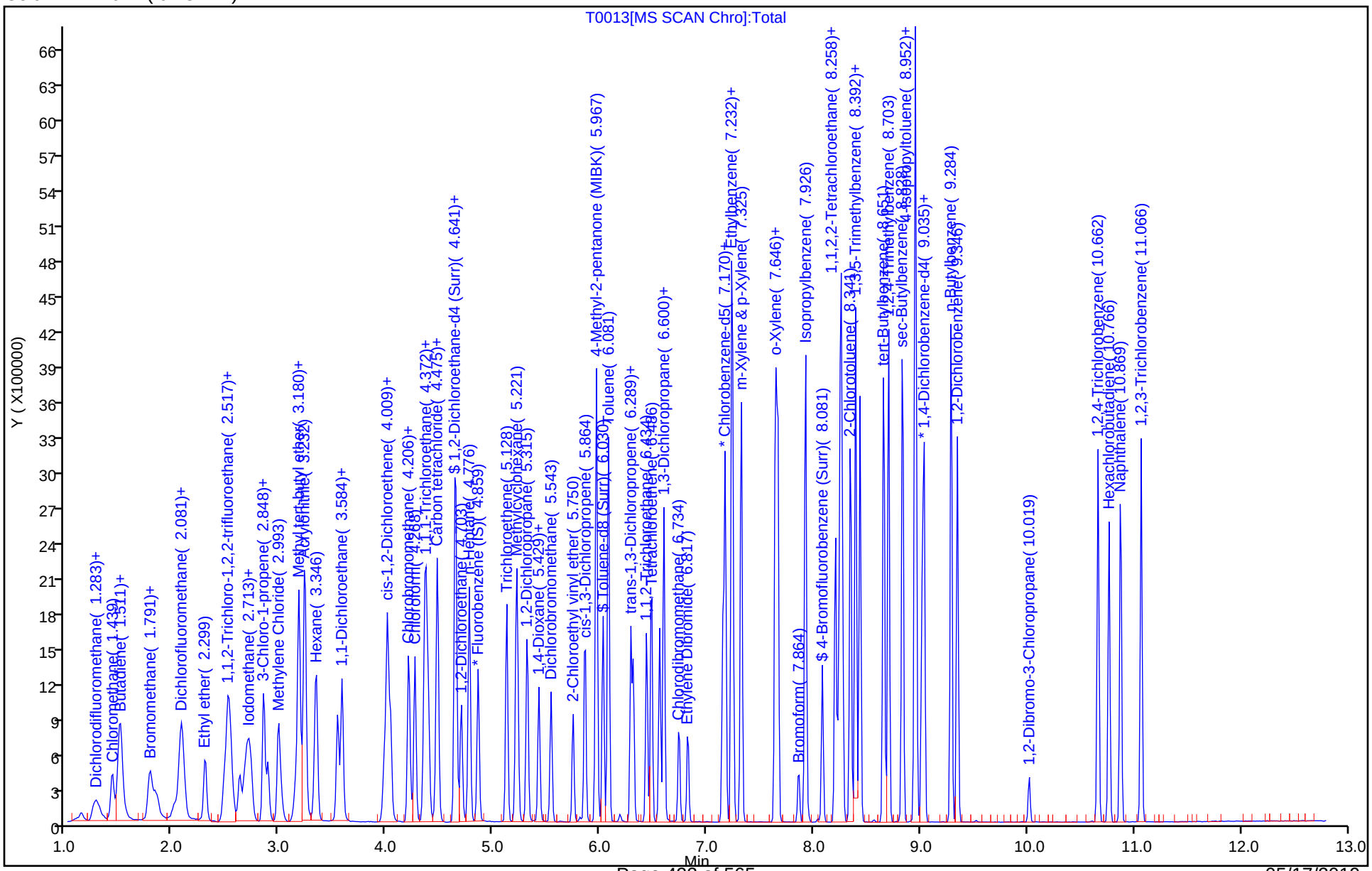
Report Date: 23-Apr-2019 13:30:05 Chrom Revision: 2.3 10-Apr-2019 17:48:54

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)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

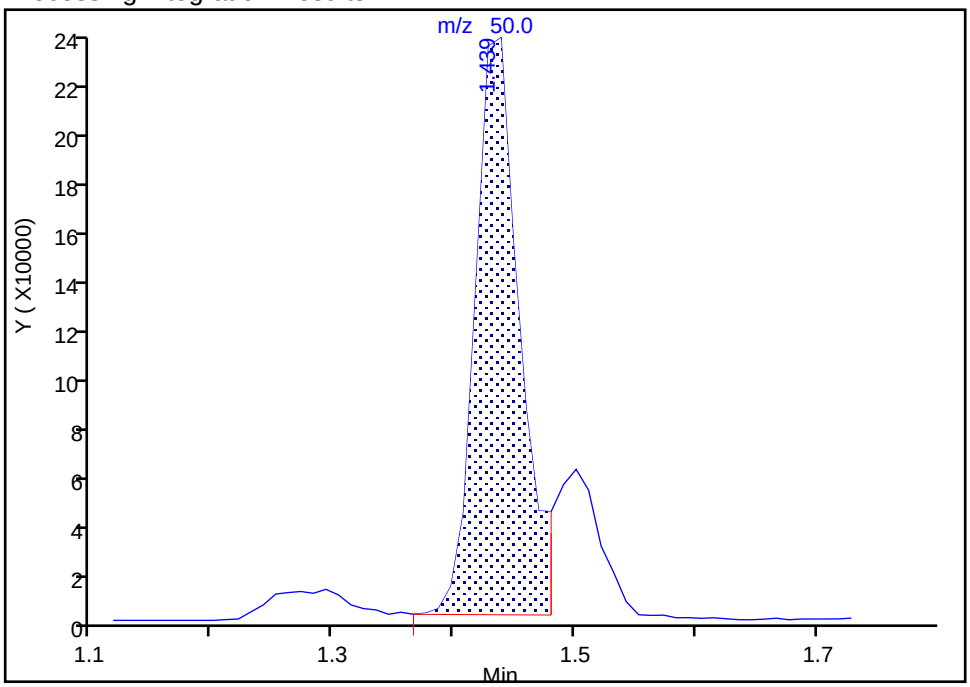
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0013.D
Injection Date: 19-Apr-2019 19:32:30 Instrument ID: HP5975T
Lims ID: IC 6
Client ID:
Operator ID: KN ALS Bottle#: 33 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

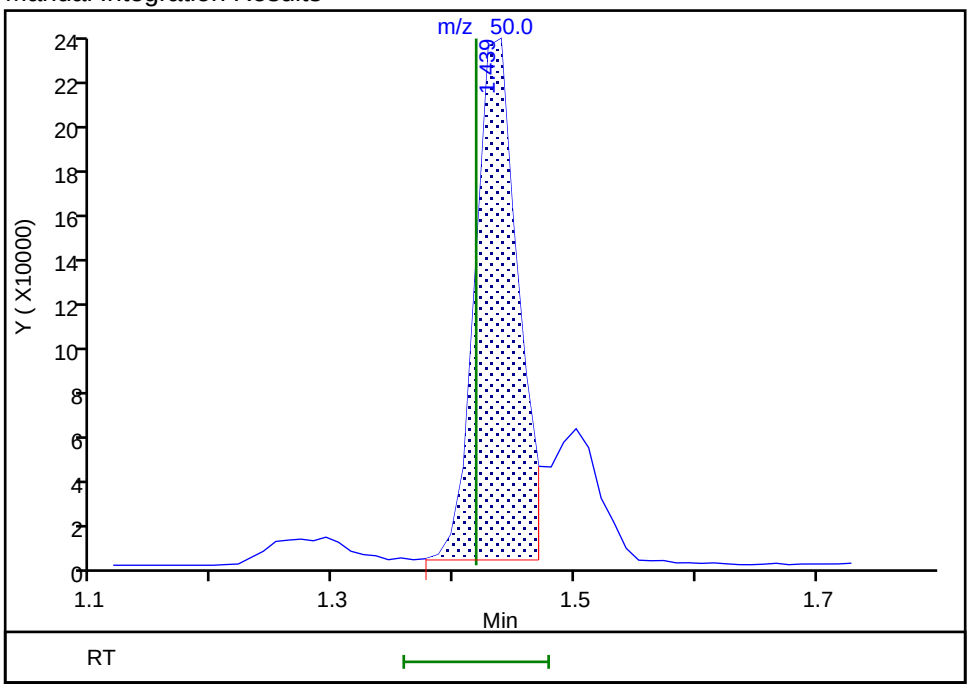
Processing Integration Results

RT: 1.44
Area: 603212
Amount: 53.531936
Amount Units: ug/L



Manual Integration Results

RT: 1.44
Area: 576828
Amount: 45.930987
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:29:28
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

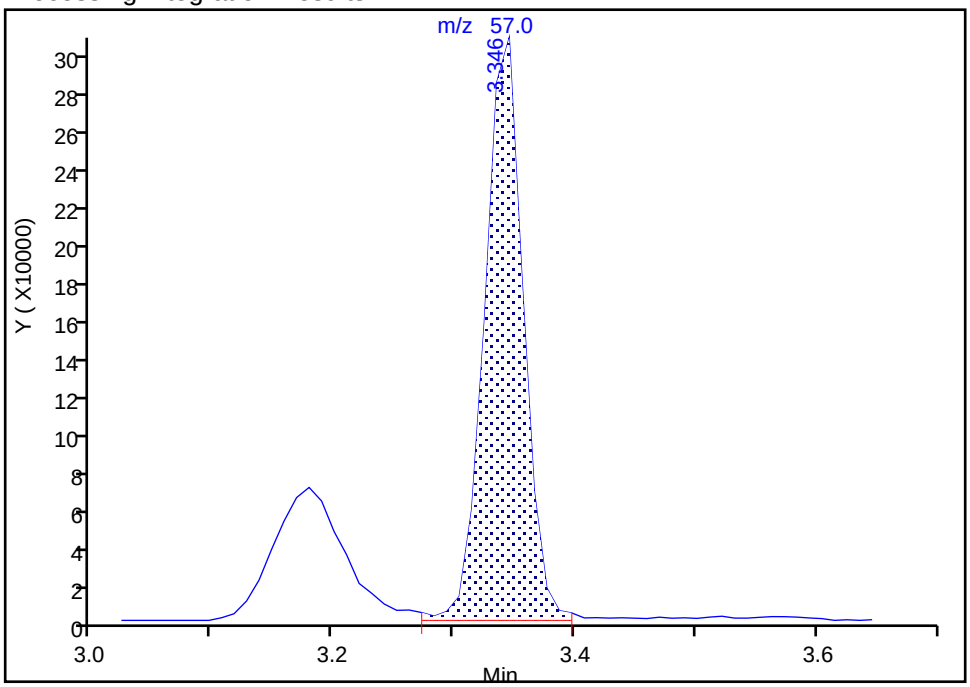
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190419-80365.b\T0013.D
Injection Date: 19-Apr-2019 19:32:30 Instrument ID: HP5975T
Lims ID: IC 6
Client ID:
Operator ID: KN ALS Bottle#: 33 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

35 Hexane, CAS: 110-54-3

Signal: 1

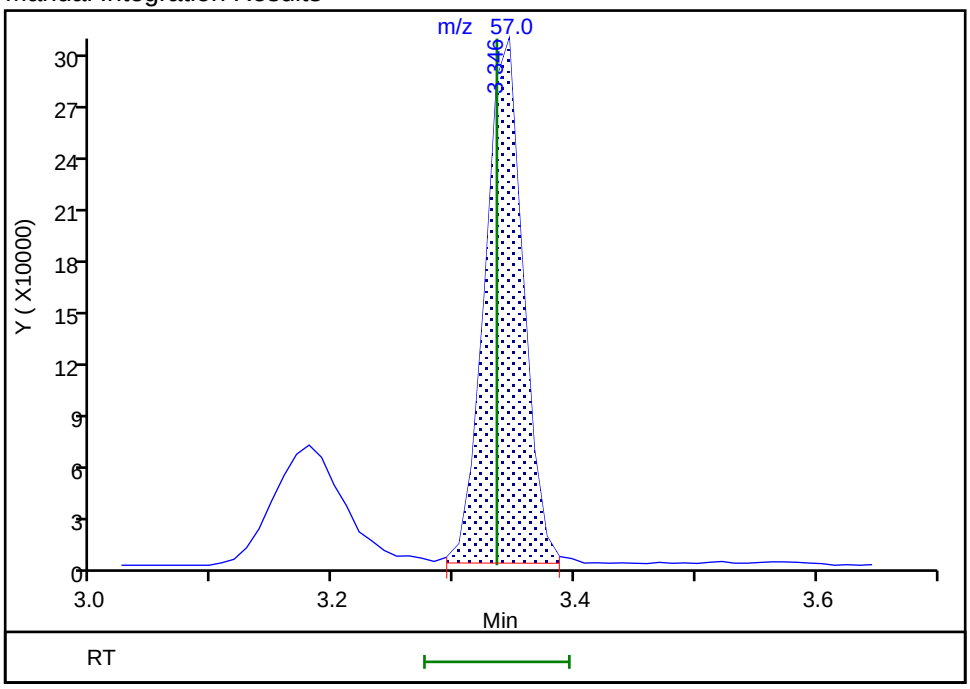
Processing Integration Results

RT: 3.35
Area: 684118
Amount: 53.551004
Amount Units: ug/L



Manual Integration Results

RT: 3.35
Area: 670103
Amount: 52.598204
Amount Units: ug/L



Reviewer: nowakk, 22-Apr-2019 09:30:08
Audit Action: Manually Integrated Audit Reason: Poor chromatography

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	

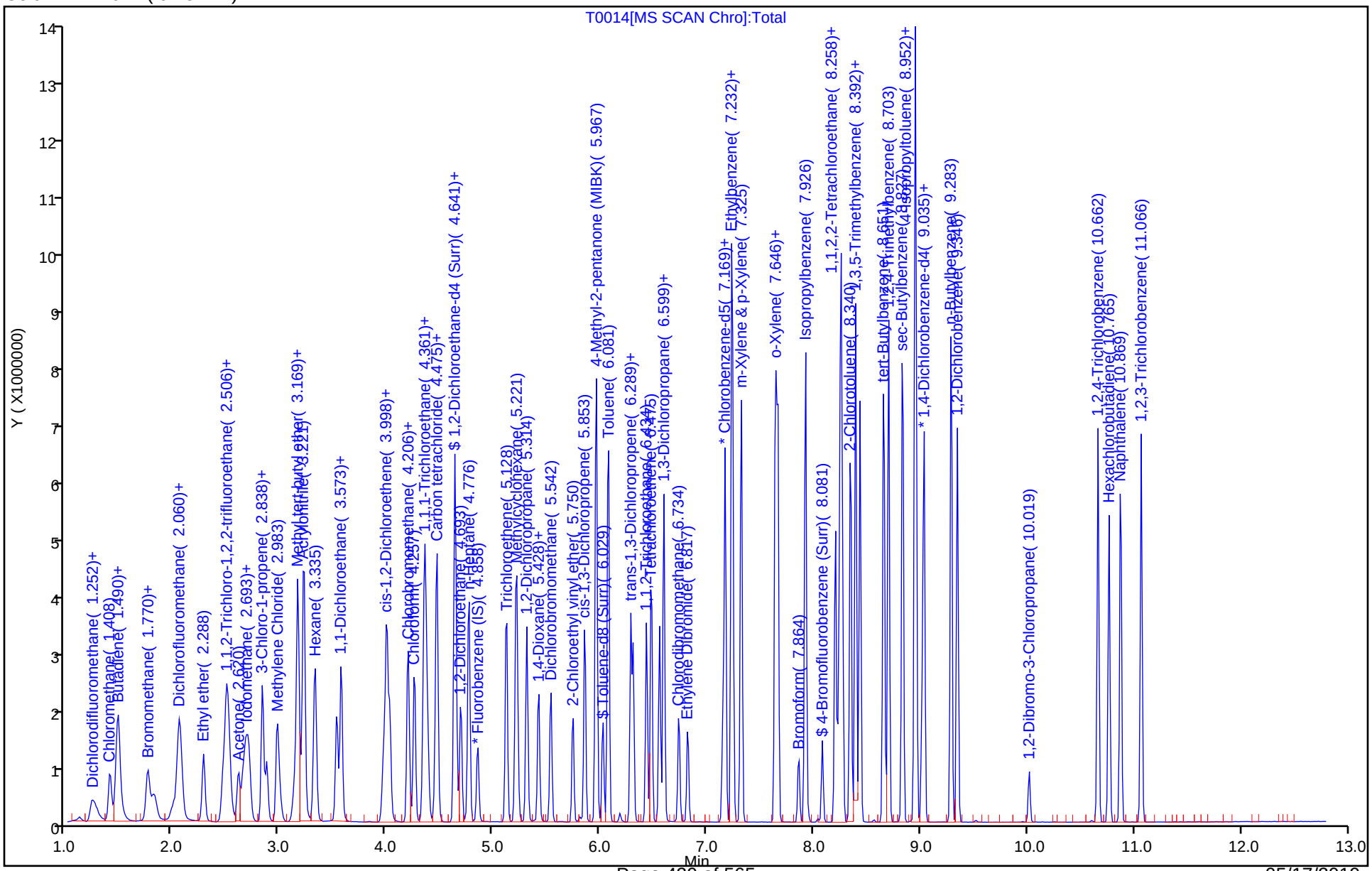
Report Date: 23-Apr-2019 13:30:17 Chrom Revision: 2.3 10-Apr-2019 17:48:54

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.: 480-152814-1

SDG No.:

Lab Sample ID: CCVIS 480-471924/3 Calibration Date: 05/08/2019 19:49

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: S4681.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	1.930	0.1000	32.6	25.0	30.4	50.0
Chloromethane	Ave	1.809	2.115	0.1000	29.2	25.0	16.9	20.0
Vinyl chloride	Ave	1.691	1.959	0.1000	29.0	25.0	15.9	20.0
Butadiene	Ave	1.657	2.047		30.9	25.0	23.5*	20.0
Bromomethane	Ave	1.171	1.199	0.1000	25.6	25.0	2.4	50.0
Chloroethane	Ave	1.139	1.250	0.1000	27.5	25.0	9.8	50.0
Dichlorofluoromethane	Ave	2.465	2.553		25.9	25.0	3.6	20.0
Trichlorofluoromethane	Ave	2.184	2.352	0.1000	26.9	25.0	7.7	20.0
Ethyl ether	Ave	1.430	1.498		26.2	25.0	4.7	20.0
Acrolein	Ave	0.4108	0.3152		95.9	125	-23.3	50.0
1,1-Dichloroethene	Ave	1.261	1.218	0.1000	24.2	25.0	-3.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.243	1.314	0.1000	26.4	25.0	5.7	20.0
Acetone	Ave	0.6672	0.7195	0.1000	135	125	7.8	50.0
Iodomethane	Ave	2.266	2.006		22.1	25.0	-11.5	20.0
Carbon disulfide	Ave	4.203	4.203	0.1000	25.0	25.0	-0.0	20.0
Allyl chloride	Ave	2.406	2.095		21.8	25.0	-12.9	20.0
Methyl acetate	Ave	1.628	1.446	0.1000	44.4	50.0	-11.2	50.0
Methylene Chloride	Lin1		1.503	0.1000	24.9	25.0	-0.3	20.0
2-Methyl-2-propanol	Ave	0.2522	0.2050		203	250	-18.7	50.0
Methyl tert-butyl ether	Ave	4.677	3.871	0.1000	20.7	25.0	-17.2	20.0
trans-1,2-Dichloroethene	Ave	1.524	1.386	0.1000	22.7	25.0	-9.0	20.0
Acrylonitrile	Ave	0.8129	0.7999		246	250	-1.6	20.0
Hexane	Ave	1.916	2.408		31.4	25.0	25.7*	20.0
1,1-Dichloroethane	Ave	2.698	2.541	0.2000	23.5	25.0	-5.8	20.0
Vinyl acetate	Ave	3.363	3.233		48.1	50.0	-3.9	20.0
2,2-Dichloropropane	Ave	1.351	1.304		24.1	25.0	-3.5	20.0
cis-1,2-Dichloroethene	Ave	1.690	1.499	0.1000	22.2	25.0	-11.3	20.0
2-Butanone (MEK)	Ave	0.9364	0.9610	0.1000	128	125	2.6	20.0
Chlorobromomethane	Ave	0.8507	0.7596		22.3	25.0	-10.7	20.0
Tetrahydrofuran	Ave	0.6506	0.6091		46.8	50.0	-6.4	20.0
Chloroform	Ave	2.700	2.404	0.2000	22.3	25.0	-11.0	20.0
1,1,1-Trichloroethane	Ave	2.127	1.959	0.1000	23.0	25.0	-7.9	20.0
Cyclohexane	Ave	2.537	2.667	0.1000	26.3	25.0	5.1	20.0
Carbon tetrachloride	Ave	1.807	1.799	0.1000	24.9	25.0	-0.5	20.0
1,1-Dichloropropene	Ave	1.978	1.877		23.7	25.0	-5.1	20.0
Benzene	Ave	5.768	5.817	0.5000	25.2	25.0	0.9	20.0
Isobutyl alcohol	Ave	0.0907	0.0909		627	625	0.3	50.0
1,2-Dichloroethane	Ave	2.332	1.978	0.1000	21.2	25.0	-15.2	20.0
n-Heptane	Ave	1.892	2.462		32.5	25.0	30.1*	20.0
Trichloroethene	Ave	1.476	1.394	0.2000	23.6	25.0	-5.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Lab Sample ID: CCVIS 480-471924/3 Calibration Date: 05/08/2019 19:49

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: S4681.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	2.595	0.1000	25.9	25.0	3.5	20.0
1,2-Dichloropropane	Ave	1.325	1.446	0.1000	27.3	25.0	9.1	20.0
1,4-Dioxane	Ave	0.0109	0.0106		485	500	-3.0	50.0
Dibromomethane	Ave	0.9675	0.8870	0.1000	22.9	25.0	-8.3	20.0
Bromodichloromethane	Ave	1.777	1.754	0.2000	24.7	25.0	-1.3	20.0
2-Chloroethyl vinyl ether	Ave	0.9295	1.006		27.1	25.0	8.3	20.0
cis-1,3-Dichloropropene	Ave	2.102	2.278	0.2000	27.1	25.0	8.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9307	0.8742	0.1000	117	125	-6.1	20.0
Toluene	Ave	1.750	1.710	0.4000	24.4	25.0	-2.3	20.0
trans-1,3-Dichloropropene	Ave	0.9482	0.997	0.1000	26.3	25.0	5.2	20.0
Ethyl methacrylate	Ave	0.8438	0.9097		27.0	25.0	7.8	20.0
1,1,2-Trichloroethane	Ave	0.5142	0.5188	0.1000	25.2	25.0	0.9	20.0
Tetrachloroethene	Ave	0.7546	0.7048	0.2000	23.3	25.0	-6.6	20.0
1,3-Dichloropropane	Ave	1.067	1.099		25.7	25.0	3.0	20.0
2-Hexanone	Ave	0.5851	0.6226	0.1000	133	125	6.4	20.0
Dibromochloromethane	Ave	0.6326	0.6464	0.1000	25.5	25.0	2.2	20.0
1,2-Dibromoethane	Ave	0.6681	0.6464		24.2	25.0	-3.2	20.0
Chlorobenzene	Ave	1.949	1.845	0.5000	23.7	25.0	-5.3	20.0
Ethylbenzene	Ave	3.284	3.102	0.1000	23.6	25.0	-5.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7029	0.6424		22.9	25.0	-8.6	20.0
m,p-Xylene	Ave	1.317	1.213	0.1000	23.0	25.0	-7.9	20.0
o-Xylene	Ave	1.333	1.159	0.3000	21.7	25.0	-13.0	20.0
Styrene	Ave	2.072	1.963	0.3000	23.7	25.0	-5.3	20.0
Bromoform	Ave	0.4237	0.4260	0.1000	25.1	25.0	0.6	50.0
Isopropylbenzene	Ave	3.451	3.255	0.1000	23.6	25.0	-5.7	20.0
Bromobenzene	Ave	0.8567	0.7881		23.0	25.0	-8.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9560	0.9700	0.3000	25.4	25.0	1.5	20.0
N-Propylbenzene	Ave	4.067	3.932		24.2	25.0	-3.3	20.0
1,2,3-Trichloropropane	Ave	0.3295	0.3043		23.1	25.0	-7.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3060	0.2853		23.3	25.0	-6.8	50.0
2-Chlorotoluene	Ave	0.8478	0.7596		22.4	25.0	-10.4	20.0
1,3,5-Trimethylbenzene	Ave	3.046	2.844		23.3	25.0	-6.6	20.0
4-Chlorotoluene	Ave	0.8506	0.8175		24.0	25.0	-3.9	20.0
tert-Butylbenzene	Ave	0.6344	0.6253		24.6	25.0	-1.4	20.0
1,2,4-Trimethylbenzene	Ave	3.067	2.922		23.8	25.0	-4.7	20.0
sec-Butylbenzene	Ave	3.739	3.684		24.6	25.0	-1.5	20.0
1,3-Dichlorobenzene	Ave	1.654	1.604	0.6000	24.2	25.0	-3.0	20.0
4-Isopropyltoluene	Ave	3.406	3.221		23.6	25.0	-5.4	20.0
1,4-Dichlorobenzene	Ave	1.697	1.597	0.5000	23.5	25.0	-5.9	20.0
n-Butylbenzene	Ave	2.983	2.918		24.5	25.0	-2.2	20.0
1,2-Dichlorobenzene	Ave	1.754	1.603	0.4000	22.8	25.0	-8.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Lab Sample ID: CCVIS 480-471924/3 Calibration Date: 05/08/2019 19:49

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: S4681.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	0.1831	0.0500	21.3	25.0	-15.0	50.0
1,2,4-Trichlorobenzene	Ave	1.345	1.163	0.2000	21.6	25.0	-13.5	20.0
Hexachlorobutadiene	Ave	0.6362	0.5917		23.2	25.0	-7.0	20.0
Naphthalene	Ave	4.079	3.428		21.0	25.0	-16.0	20.0
1,2,3-Trichlorobenzene	Ave	1.350	1.213		22.5	25.0	-10.1	20.0
Dibromofluoromethane (Surr)	Ave	1.363	1.249		22.9	25.0	-8.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8447	0.7961		23.6	25.0	-5.8	20.0
Toluene-d8 (Surr)	Ave	2.497	2.447		24.5	25.0	-2.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7658	0.6903		22.5	25.0	-9.9	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S4681.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-May-2019 19:49:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0080924-003
Operator ID: AEM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-May-2019 20:09:33 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: CTX0301

First Level Reviewer: milligana Date: 08-May-2019 20:09:33

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	5.461	0.000	99	119455	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	85	250044	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	72	237966	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	56	149162	25.0	22.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.193	0.000	49	95094	25.0	23.6	
$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	80	611916	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.719	9.719	0.000	89	172611	25.0	22.5	
10 Dichlorodifluoromethane	85	1.275	1.275	0.000	87	230519	25.0	32.6	
12 Chloromethane	50	1.452	1.452	0.000	88	252691	25.0	29.2	
151 Butadiene	54	1.555	1.555	0.000	86	244492	25.0	30.9	
13 Vinyl chloride	62	1.549	1.549	0.000	69	234069	25.0	29.0	
14 Bromomethane	94	1.841	1.841	0.000	90	143182	25.0	25.6	
15 Chloroethane	64	1.945	1.945	0.000	99	149371	25.0	27.5	
16 Dichlorofluoromethane	67	2.164	2.164	0.000	80	305012	25.0	25.9	
17 Trichlorofluoromethane	101	2.170	2.170	0.000	66	280940	25.0	26.9	
18 Ethyl ether	59	2.450	2.450	0.000	92	178988	25.0	26.2	
20 Acrolein	56	2.638	2.638	0.000	94	188248	125.0	95.9	
22 1,1-Dichloroethene	96	2.669	2.669	0.000	86	145553	25.0	24.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.675	2.675	0.000	61	156917	25.0	26.4	
23 Acetone	43	2.796	2.796	0.000	99	429734	125.0	134.8	
25 Iodomethane	142	2.839	2.839	0.000	98	239604	25.0	22.1	
26 Carbon disulfide	76	2.875	2.875	0.000	98	502042	25.0	25.0	
28 3-Chloro-1-propene	41	3.052	3.052	0.000	91	250313	25.0	21.8	
27 Methyl acetate	43	3.101	3.101	0.000	95	345569	50.0	44.4	
30 Methylene Chloride	84	3.198	3.198	0.000	92	179488	25.0	24.9	
31 2-Methyl-2-propanol	59	3.374	3.374	0.000	96	244859	250.0	203.2	
32 Methyl tert-butyl ether	73	3.405	3.405	0.000	92	462379	25.0	20.7	
34 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	95	165574	25.0	22.7	
33 Acrylonitrile	53	3.490	3.490	0.000	99	955493	250.0	246.0	
35 Hexane	57	3.618	3.618	0.000	88	287602	25.0	31.4	

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	303480	25.0	23.5	
37 Vinyl acetate	43	3.904	3.904	0.000	97	772457	50.0	48.1	
44 2,2-Dichloropropane	77	4.372	4.372	0.000	88	155816	25.0	24.1	
45 cis-1,2-Dichloroethene	96	4.409	4.409	0.000	69	179031	25.0	22.2	
43 2-Butanone (MEK)	43	4.445	4.445	0.000	98	573983	125.0	128.3	
48 Chlorobromomethane	128	4.652	4.652	0.000	94	90734	25.0	22.3	
49 Tetrahydrofuran	42	4.664	4.664	0.000	88	145509	50.0	46.8	
50 Chloroform	83	4.725	4.725	0.000	94	287208	25.0	22.3	
51 1,1,1-Trichloroethane	97	4.834	4.834	0.000	82	233974	25.0	23.0	
52 Cyclohexane	56	4.840	4.840	0.000	90	318529	25.0	26.3	
55 Carbon tetrachloride	117	4.968	4.968	0.000	78	214890	25.0	24.9	
54 1,1-Dichloropropene	75	4.986	4.986	0.000	93	224266	25.0	23.7	
57 Benzene	78	5.193	5.193	0.000	96	694868	25.0	25.2	
53 Isobutyl alcohol	43	5.218	5.218	0.000	93	271479	625.0	626.7	
58 1,2-Dichloroethane	62	5.266	5.266	0.000	73	236302	25.0	21.2	
59 n-Heptane	43	5.370	5.370	0.000	90	294156	25.0	32.5	
62 Trichloroethene	95	5.802	5.802	0.000	93	166488	25.0	23.6	
64 Methylcyclohexane	83	5.917	5.917	0.000	91	309947	25.0	25.9	
65 1,2-Dichloropropane	63	6.051	6.051	0.000	94	172762	25.0	27.3	
67 Dibromomethane	93	6.191	6.191	0.000	88	105955	25.0	22.9	
66 1,4-Dioxane	88	6.191	6.191	0.000	43	52896	500.0	484.9	
68 Dichlorobromomethane	83	6.343	6.343	0.000	92	209571	25.0	24.7	
69 2-Chloroethyl vinyl ether	63	6.623	6.623	0.000	89	120223	25.0	27.1	
72 cis-1,3-Dichloropropene	75	6.757	6.757	0.000	88	272133	25.0	27.1	
73 4-Methyl-2-pentanone (MIBK	43	6.903	6.903	0.000	96	1092993	125.0	117.4	
74 Toluene	92	7.043	7.043	0.000	89	427473	25.0	24.4	
77 trans-1,3-Dichloropropene	75	7.329	7.329	0.000	90	249341	25.0	26.3	
75 Ethyl methacrylate	69	7.371	7.371	0.000	82	227468	25.0	27.0	
79 1,1,2-Trichloroethane	83	7.517	7.517	0.000	92	129728	25.0	25.2	
81 Tetrachloroethene	166	7.572	7.572	0.000	79	176234	25.0	23.3	
82 1,3-Dichloropropane	76	7.681	7.681	0.000	92	274724	25.0	25.7	
80 2-Hexanone	43	7.742	7.742	0.000	93	778414	125.0	133.0	
83 Chlorodibromomethane	129	7.919	7.919	0.000	88	161631	25.0	25.5	
84 Ethylene Dibromide	107	8.022	8.022	0.000	99	161630	25.0	24.2	
87 Chlorobenzene	112	8.497	8.497	0.000	94	461355	25.0	23.7	
88 Ethylbenzene	91	8.582	8.582	0.000	98	775644	25.0	23.6	
89 1,1,1,2-Tetrachloroethane	131	8.594	8.594	0.000	47	160636	25.0	22.9	
90 m-Xylene & p-Xylene	106	8.704	8.704	0.000	99	303231	25.0	23.0	
91 o-Xylene	106	9.135	9.135	0.000	97	289918	25.0	21.7	
92 Styrene	104	9.166	9.166	0.000	91	490783	25.0	23.7	
95 Bromoform	173	9.421	9.421	0.000	95	106526	25.0	25.1	
94 Isopropylbenzene	105	9.519	9.519	0.000	95	774607	25.0	23.6	
101 Bromobenzene	156	9.865	9.865	0.000	93	187536	25.0	23.0	
97 1,1,2,2-Tetrachloroethane	83	9.926	9.926	0.000	71	230830	25.0	25.4	
99 N-Propylbenzene	91	9.945	9.945	0.000	98	935765	25.0	24.2	
100 1,2,3-Trichloropropane	110	9.957	9.957	0.000	71	72413	25.0	23.1	
98 trans-1,4-Dichloro-2-buten	53	9.969	9.969	0.000	78	67881	25.0	23.3	
103 2-Chlorotoluene	126	10.042	10.042	0.000	96	180760	25.0	22.4	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	91	676825	25.0	23.3	
105 4-Chlorotoluene	126	10.158	10.158	0.000	97	194533	25.0	24.0	
106 tert-Butylbenzene	134	10.437	10.437	0.000	91	148809	25.0	24.6	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	45	695288	25.0	23.8	

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	10.644	10.644	0.000	94	876657	25.0	24.6	
110 4-Isopropyltoluene	119	10.784	10.784	0.000	94	766574	25.0	23.6	
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	70	381632	25.0	24.2	
113 1,4-Dichlorobenzene	146	10.869	10.869	0.000	93	380097	25.0	23.5	
115 n-Butylbenzene	91	11.167	11.167	0.000	95	694283	25.0	24.5	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	92	381434	25.0	22.8	
117 1,2-Dibromo-3-Chloropropan	75	11.952	11.952	0.000	72	43575	25.0	21.3	
119 1,2,4-Trichlorobenzene	180	12.621	12.621	0.000	94	276679	25.0	21.6	
120 Hexachlorobutadiene	225	12.731	12.731	0.000	94	140794	25.0	23.2	
121 Naphthalene	128	12.840	12.840	0.000	97	815777	25.0	21.0	
122 1,2,3-Trichlorobenzene	180	13.041	13.041	0.000	95	288734	25.0	22.5	

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_00314	Amount Added: 1.00	Units: uL	Run Reagent

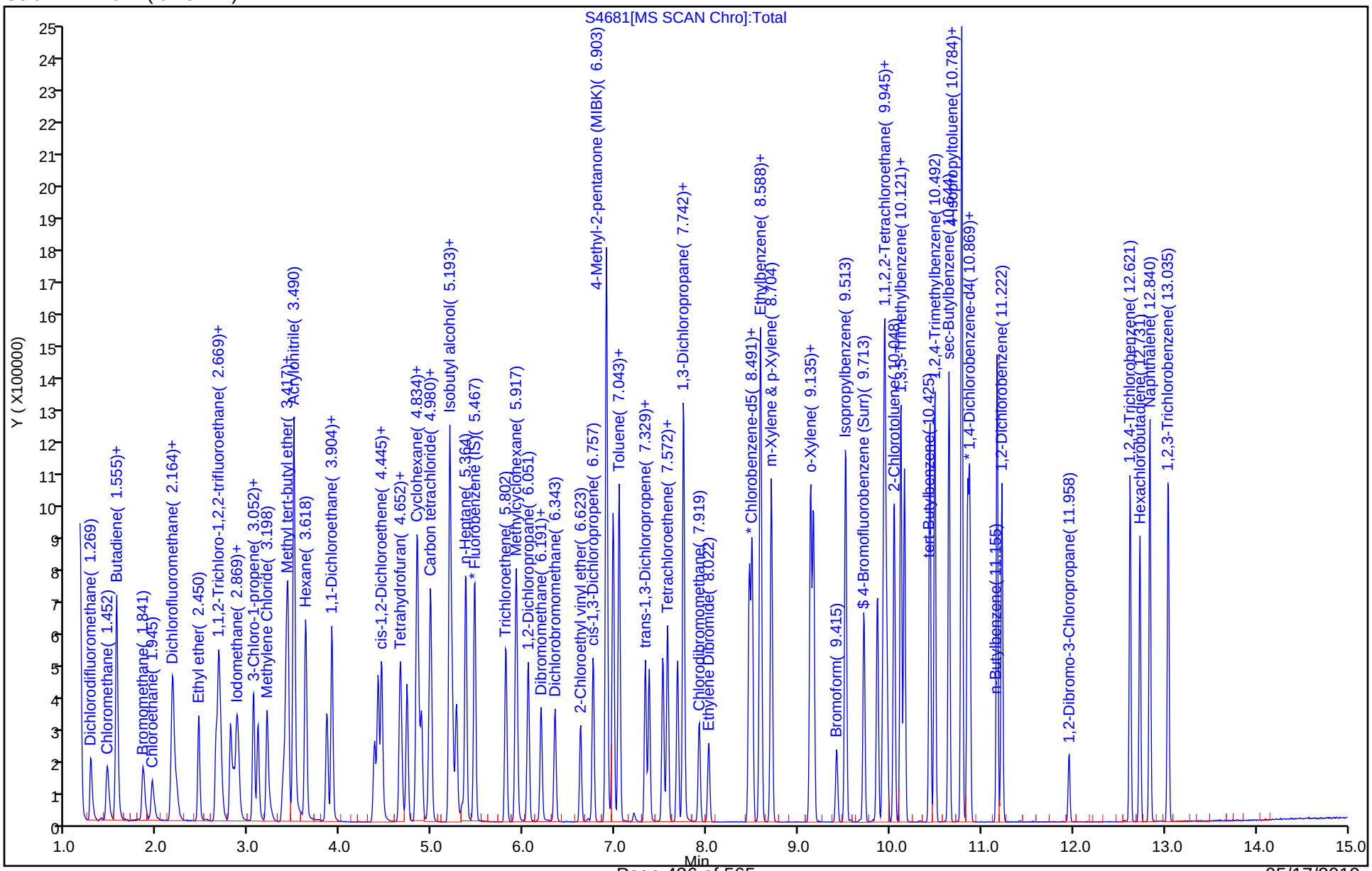
Report Date: 08-May-2019 20:09:34 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S4681.D

Injection Date:	08-May-2019 19:49:30	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.: 480-152814-1

SDG No.:

Lab Sample ID: CCVIS 480-471956/3 Calibration Date: 05/09/2019 08:15

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: S4710.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	1.807	0.1000	30.5	25.0	22.0	50.0
Chloromethane	Ave	1.809	1.961	0.1000	27.1	25.0	8.4	20.0
Vinyl chloride	Ave	1.691	1.869	0.1000	27.6	25.0	10.5	20.0
Butadiene	Ave	1.657	1.978		29.8	25.0	19.4	20.0
Bromomethane	Ave	1.171	1.125	0.1000	24.0	25.0	-3.9	50.0
Chloroethane	Ave	1.139	1.201	0.1000	26.4	25.0	5.5	50.0
Dichlorofluoromethane	Ave	2.465	2.413		24.5	25.0	-2.1	20.0
Trichlorofluoromethane	Ave	2.184	2.197	0.1000	25.1	25.0	0.6	20.0
Ethyl ether	Ave	1.430	1.512		26.4	25.0	5.7	20.0
Acrolein	Ave	0.4108	0.3026		92.1	125	-26.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.243	1.313	0.1000	26.4	25.0	5.6	20.0
1,1-Dichloroethene	Ave	1.261	1.193	0.1000	23.7	25.0	-5.3	20.0
Acetone	Ave	0.6672	0.7372	0.1000	138	125	10.5	50.0
Iodomethane	Ave	2.266	2.106		23.2	25.0	-7.1	20.0
Carbon disulfide	Ave	4.203	4.153	0.1000	24.7	25.0	-1.2	20.0
Allyl chloride	Ave	2.406	2.083		21.6	25.0	-13.4	20.0
Methyl acetate	Ave	1.628	1.575	0.1000	48.4	50.0	-3.3	50.0
Methylene Chloride	Lin1		1.545	0.1000	25.7	25.0	2.6	20.0
2-Methyl-2-propanol	Ave	0.2522	0.1950		193	250	-22.7	50.0
Methyl tert-butyl ether	Ave	4.677	4.001	0.1000	21.4	25.0	-14.4	20.0
trans-1,2-Dichloroethene	Ave	1.524	1.405	0.1000	23.1	25.0	-7.8	20.0
Acrylonitrile	Ave	0.8129	0.8259		254	250	1.6	20.0
Hexane	Ave	1.916	2.394		31.2	25.0	24.9*	20.0
1,1-Dichloroethane	Ave	2.698	2.619	0.2000	24.3	25.0	-2.9	20.0
Vinyl acetate	Ave	3.363	3.369		50.1	50.0	0.2	20.0
2,2-Dichloropropane	Ave	1.351	1.173		21.7	25.0	-13.2	20.0
cis-1,2-Dichloroethene	Ave	1.690	1.522	0.1000	22.5	25.0	-9.9	20.0
2-Butanone (MEK)	Ave	0.9364	1.063	0.1000	142	125	13.6	20.0
Chlorobromomethane	Ave	0.8507	0.7858		23.1	25.0	-7.6	20.0
Tetrahydrofuran	Ave	0.6506	0.6454		49.6	50.0	-0.8	20.0
Chloroform	Ave	2.700	2.439	0.2000	22.6	25.0	-9.7	20.0
1,1,1-Trichloroethane	Ave	2.127	1.971	0.1000	23.2	25.0	-7.4	20.0
Cyclohexane	Ave	2.537	2.677	0.1000	26.4	25.0	5.5	20.0
Carbon tetrachloride	Ave	1.807	1.768	0.1000	24.5	25.0	-2.2	20.0
1,1-Dichloropropene	Ave	1.978	1.878		23.7	25.0	-5.1	20.0
Benzene	Ave	5.768	6.003	0.5000	26.0	25.0	4.1	20.0
Isobutyl alcohol	Ave	0.0907	0.0985		679	625	8.7	50.0
1,2-Dichloroethane	Ave	2.332	2.114	0.1000	22.7	25.0	-9.4	20.0
n-Heptane	Ave	1.892	2.392		31.6	25.0	26.4*	20.0
Trichloroethene	Ave	1.476	1.426	0.2000	24.1	25.0	-3.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Lab Sample ID: CCVIS 480-471956/3 Calibration Date: 05/09/2019 08:15

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: S4710.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	2.579	0.1000	25.7	25.0	2.8	20.0
1,2-Dichloropropane	Ave	1.325	1.513	0.1000	28.5	25.0	14.1	20.0
Dibromomethane	Ave	0.9675	0.9226	0.1000	23.8	25.0	-4.6	20.0
1,4-Dioxane	Ave	0.0109	0.0114		525	500	4.9	50.0
Bromodichloromethane	Ave	1.777	1.859	0.2000	26.1	25.0	4.6	20.0
2-Chloroethyl vinyl ether	Ave	0.9295	1.094		29.4	25.0	17.7	20.0
cis-1,3-Dichloropropene	Ave	2.102	2.350	0.2000	27.9	25.0	11.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9307	0.9856	0.1000	132	125	5.9	20.0
Toluene	Ave	1.750	1.828	0.4000	26.1	25.0	4.4	20.0
trans-1,3-Dichloropropene	Ave	0.9482	1.071	0.1000	28.2	25.0	13.0	20.0
Ethyl methacrylate	Ave	0.8438	1.024		30.4	25.0	21.4*	20.0
1,1,2-Trichloroethane	Ave	0.5142	0.5575	0.1000	27.1	25.0	8.4	20.0
Tetrachloroethene	Ave	0.7546	0.7055	0.2000	23.4	25.0	-6.5	20.0
1,3-Dichloropropane	Ave	1.067	1.186		27.8	25.0	11.2	20.0
2-Hexanone	Ave	0.5851	0.7524	0.1000	161	125	28.6*	20.0
Dibromochloromethane	Ave	0.6326	0.6972	0.1000	27.6	25.0	10.2	20.0
1,2-Dibromoethane	Ave	0.6681	0.6853		25.6	25.0	2.6	20.0
Chlorobenzene	Ave	1.949	1.947	0.5000	25.0	25.0	-0.0	20.0
Ethylbenzene	Ave	3.284	3.191	0.1000	24.3	25.0	-2.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7029	0.6762		24.1	25.0	-3.8	20.0
m,p-Xylene	Ave	1.317	1.258	0.1000	23.9	25.0	-4.5	20.0
o-Xylene	Ave	1.333	1.231	0.3000	23.1	25.0	-7.7	20.0
Styrene	Ave	2.072	2.127	0.3000	25.7	25.0	2.7	20.0
Bromoform	Ave	0.4237	0.4462	0.1000	26.3	25.0	5.3	50.0
Isopropylbenzene	Ave	3.451	3.248	0.1000	23.5	25.0	-5.9	20.0
Bromobenzene	Ave	0.8567	0.8222		24.0	25.0	-4.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9560	1.009	0.3000	26.4	25.0	5.6	20.0
N-Propylbenzene	Ave	4.067	3.929		24.2	25.0	-3.4	20.0
1,2,3-Trichloropropane	Ave	0.3295	0.3273		24.8	25.0	-0.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3060	0.3001		24.5	25.0	-1.9	50.0
2-Chlorotoluene	Ave	0.8478	0.7811		23.0	25.0	-7.9	20.0
1,3,5-Trimethylbenzene	Ave	3.046	2.888		23.7	25.0	-5.2	20.0
4-Chlorotoluene	Ave	0.8506	0.8342		24.5	25.0	-1.9	20.0
tert-Butylbenzene	Ave	0.6344	0.6114		24.1	25.0	-3.6	20.0
1,2,4-Trimethylbenzene	Ave	3.067	2.937		23.9	25.0	-4.2	20.0
sec-Butylbenzene	Ave	3.739	3.610		24.1	25.0	-3.5	20.0
1,3-Dichlorobenzene	Ave	1.654	1.629	0.6000	24.6	25.0	-1.5	20.0
4-Isopropyltoluene	Ave	3.406	3.161		23.2	25.0	-7.2	20.0
1,4-Dichlorobenzene	Ave	1.697	1.663	0.5000	24.5	25.0	-2.0	20.0
n-Butylbenzene	Ave	2.983	2.873		24.1	25.0	-3.7	20.0
1,2-Dichlorobenzene	Ave	1.754	1.691	0.4000	24.1	25.0	-3.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Lab Sample ID: CCVIS 480-471956/3 Calibration Date: 05/09/2019 08:15

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: S4710.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	0.2105	0.0500	24.4	25.0	-2.3	50.0
1,2,4-Trichlorobenzene	Ave	1.345	1.185	0.2000	22.0	25.0	-11.9	20.0
Hexachlorobutadiene	Ave	0.6362	0.6007		23.6	25.0	-5.6	20.0
Naphthalene	Ave	4.079	3.513		21.5	25.0	-13.9	20.0
1,2,3-Trichlorobenzene	Ave	1.350	1.197		22.2	25.0	-11.3	20.0
Dibromofluoromethane (Surr)	Ave	1.363	1.246		22.9	25.0	-8.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8447	0.7846		23.2	25.0	-7.1	20.0
Toluene-d8 (Surr)	Ave	2.497	2.490		24.9	25.0	-0.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7658	0.7059		23.0	25.0	-7.8	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4710.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 09-May-2019 08:15:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0080927-003
Operator ID: AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 18:42:54 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: CTX0316

First Level Reviewer: moffata Date: 09-May-2019 08:55:39

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	5.467	5.467	0.000	99	117106	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	85	243138	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	94	239974	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	55	145928	25.0	22.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.193	0.000	47	91875	25.0	23.2	
$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	88	605332	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	9.714	9.714	0.000	87	171621	25.0	23.0	
10 Dichlorodifluoromethane	85	1.276	1.276	0.000	98	211556	25.0	30.5	
12 Chloromethane	50	1.452	1.452	0.000	87	229643	25.0	27.1	
151 Butadiene	54	1.555	1.555	0.000	88	231636	25.0	29.8	
13 Vinyl chloride	62	1.549	1.549	0.000	69	218855	25.0	27.6	
14 Bromomethane	94	1.847	1.847	0.000	91	131791	25.0	24.0	
15 Chloroethane	64	1.945	1.945	0.000	94	140666	25.0	26.4	
17 Trichlorofluoromethane	101	2.170	2.170	0.000	62	257236	25.0	25.1	
16 Dichlorofluoromethane	67	2.170	2.170	0.000	81	282532	25.0	24.5	
18 Ethyl ether	59	2.450	2.450	0.000	92	177086	25.0	26.4	
20 Acrolein	56	2.644	2.644	0.000	98	177194	125.0	92.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.675	2.675	0.000	70	153769	25.0	26.4	
22 1,1-Dichloroethene	96	2.687	2.687	0.000	87	139762	25.0	23.7	
23 Acetone	43	2.803	2.803	0.000	100	431672	125.0	138.1	
25 Iodomethane	142	2.863	2.863	0.000	87	246620	25.0	23.2	
26 Carbon disulfide	76	2.882	2.882	0.000	98	486294	25.0	24.7	
28 3-Chloro-1-propene	41	3.052	3.052	0.000	91	243892	25.0	21.6	
27 Methyl acetate	43	3.101	3.101	0.000	95	368895	50.0	48.4	
30 Methylene Chloride	84	3.198	3.198	0.000	86	180945	25.0	25.7	
31 2-Methyl-2-propanol	59	3.374	3.374	0.000	96	228390	250.0	193.3	
32 Methyl tert-butyl ether	73	3.411	3.411	0.000	91	468558	25.0	21.4	
34 trans-1,2-Dichloroethene	96	3.429	3.429	0.000	92	164580	25.0	23.1	
33 Acrylonitrile	53	3.490	3.490	0.000	99	967126	250.0	254.0	
35 Hexane	57	3.618	3.618	0.000	87	280295	25.0	31.2	

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	3.855	3.855	0.000	85	306657	25.0	24.3	
37 Vinyl acetate	43	3.904	3.904	0.000	97	789048	50.0	50.1	
44 2,2-Dichloropropane	77	4.372	4.372	0.000	91	137377	25.0	21.7	
45 cis-1,2-Dichloroethene	96	4.409	4.409	0.000	68	178281	25.0	22.5	
43 2-Butanone (MEK)	43	4.451	4.451	0.000	99	622605	125.0	141.9	
48 Chlorobromomethane	128	4.646	4.646	0.000	93	92016	25.0	23.1	
49 Tetrahydrofuran	42	4.664	4.664	0.000	89	151165	50.0	49.6	
50 Chloroform	83	4.725	4.725	0.000	80	285571	25.0	22.6	
51 1,1,1-Trichloroethane	97	4.834	4.834	0.000	87	230795	25.0	23.2	
52 Cyclohexane	56	4.841	4.841	0.000	90	313505	25.0	26.4	
55 Carbon tetrachloride	117	4.974	4.974	0.000	80	207075	25.0	24.5	
54 1,1-Dichloropropene	75	4.987	4.987	0.000	94	219955	25.0	23.7	
57 Benzene	78	5.193	5.193	0.000	96	702942	25.0	26.0	
53 Isobutyl alcohol	43	5.218	5.218	0.000	92	288488	625.0	679.3	
58 1,2-Dichloroethane	62	5.266	5.266	0.000	81	247516	25.0	22.7	
59 n-Heptane	43	5.370	5.370	0.000	92	280097	25.0	31.6	
62 Trichloroethene	95	5.808	5.808	0.000	94	166962	25.0	24.1	
64 Methylcyclohexane	83	5.917	5.917	0.000	91	302004	25.0	25.7	
65 1,2-Dichloropropane	63	6.051	6.051	0.000	93	177159	25.0	28.5	
67 Dibromomethane	93	6.185	6.185	0.000	91	108045	25.0	23.8	
66 1,4-Dioxane	88	6.191	6.191	0.000	44	55636	500.0	524.5	M
68 Dichlorobromomethane	83	6.343	6.343	0.000	92	217641	25.0	26.1	
69 2-Chloroethyl vinyl ether	63	6.623	6.623	0.000	92	128160	25.0	29.4	
72 cis-1,3-Dichloropropene	75	6.757	6.757	0.000	89	275200	25.0	27.9	
73 4-Methyl-2-pentanone (MIBK	43	6.903	6.903	0.000	95	1198234	125.0	132.4	
74 Toluene	92	7.043	7.043	0.000	89	444469	25.0	26.1	
77 trans-1,3-Dichloropropene	75	7.329	7.329	0.000	91	260494	25.0	28.2	
75 Ethyl methacrylate	69	7.371	7.371	0.000	82	249086	25.0	30.4	
79 1,1,2-Trichloroethane	83	7.517	7.517	0.000	87	135558	25.0	27.1	
81 Tetrachloroethene	166	7.572	7.572	0.000	78	171522	25.0	23.4	
82 1,3-Dichloropropane	76	7.682	7.682	0.000	91	288463	25.0	27.8	
80 2-Hexanone	43	7.749	7.749	0.000	94	914641	125.0	160.7	
83 Chlorodibromomethane	129	7.919	7.919	0.000	87	169515	25.0	27.6	
84 Ethylene Dibromide	107	8.022	8.022	0.000	99	166618	25.0	25.6	
87 Chlorobenzene	112	8.497	8.497	0.000	93	473318	25.0	25.0	
88 Ethylbenzene	91	8.582	8.582	0.000	98	775810	25.0	24.3	
89 1,1,1,2-Tetrachloroethane	131	8.594	8.594	0.000	48	164404	25.0	24.1	
90 m-Xylene & p-Xylene	106	8.704	8.704	0.000	99	305975	25.0	23.9	
91 o-Xylene	106	9.136	9.136	0.000	97	299286	25.0	23.1	
92 Styrene	104	9.166	9.166	0.000	92	517200	25.0	25.7	
95 Bromoform	173	9.415	9.415	0.000	93	108475	25.0	26.3	
94 Isopropylbenzene	105	9.513	9.513	0.000	95	779544	25.0	23.5	
101 Bromobenzene	156	9.866	9.866	0.000	92	197309	25.0	24.0	
97 1,1,2,2-Tetrachloroethane	83	9.926	9.926	0.000	78	242239	25.0	26.4	
99 N-Propylbenzene	91	9.945	9.945	0.000	98	942899	25.0	24.2	
100 1,2,3-Trichloropropane	110	9.957	9.957	0.000	69	78539	25.0	24.8	
98 trans-1,4-Dichloro-2-buten	53	9.969	9.969	0.000	77	72010	25.0	24.5	
103 2-Chlorotoluene	126	10.048	10.048	0.000	96	187445	25.0	23.0	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	93	693051	25.0	23.7	
105 4-Chlorotoluene	126	10.158	10.158	0.000	81	200196	25.0	24.5	
106 tert-Butylbenzene	134	10.437	10.437	0.000	90	146728	25.0	24.1	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	68	704784	25.0	23.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.644	10.644	0.000	94	866216	25.0	24.1	
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	72	390999	25.0	24.6	
110 4-Isopropyltoluene	119	10.784	10.784	0.000	97	758466	25.0	23.2	
113 1,4-Dichlorobenzene	146	10.869	10.869	0.000	94	398993	25.0	24.5	
115 n-Butylbenzene	91	11.167	11.167	0.000	97	689394	25.0	24.1	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	91	405773	25.0	24.1	
117 1,2-Dibromo-3-Chloropropan	75	11.958	11.958	0.000	81	50512	25.0	24.4	
119 1,2,4-Trichlorobenzene	180	12.621	12.621	0.000	93	284262	25.0	22.0	
120 Hexachlorobutadiene	225	12.731	12.731	0.000	95	144153	25.0	23.6	
121 Naphthalene	128	12.840	12.840	0.000	97	843143	25.0	21.5	
122 1,2,3-Trichlorobenzene	180	13.041	13.041	0.000	94	287327	25.0	22.2	

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_00318	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00315	Amount Added: 1.00	Units: uL	Run Reagent

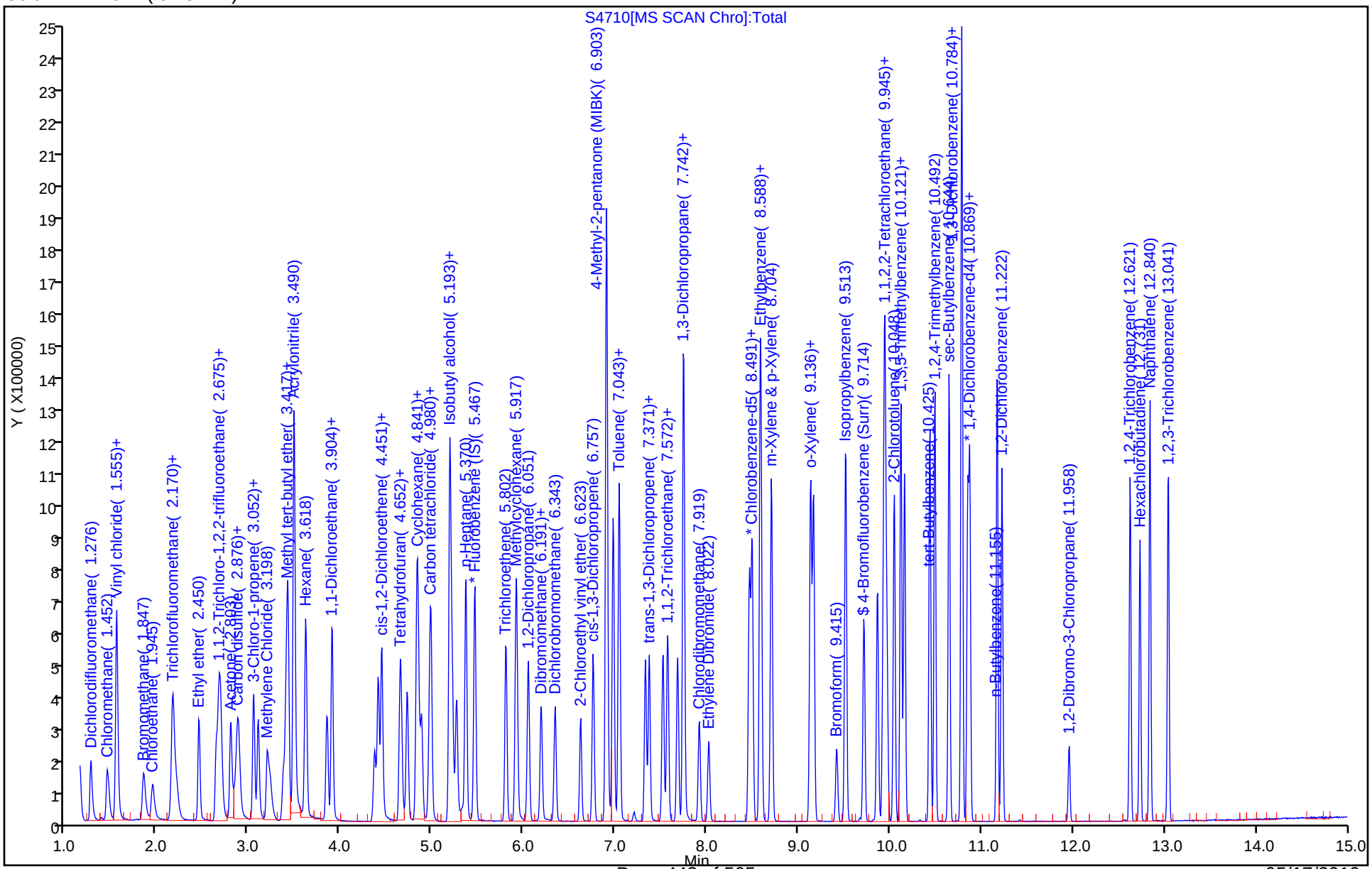
Report Date: 09-May-2019 18:42:55 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4710.D

Injection Date:	09-May-2019 08:15:30	Instrument ID:	HP5973S	Operator ID:	AM
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)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

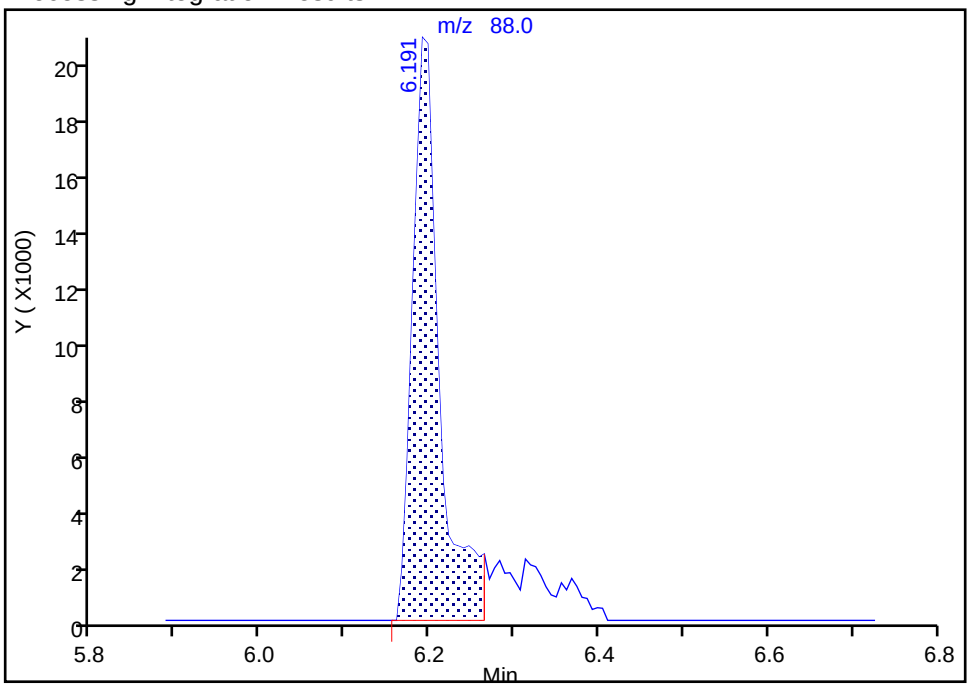
Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4710.D
Injection Date: 09-May-2019 08:15:30 Instrument ID: HP5973S
Lims ID: CCVIS
Client ID:
Operator ID: AM ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

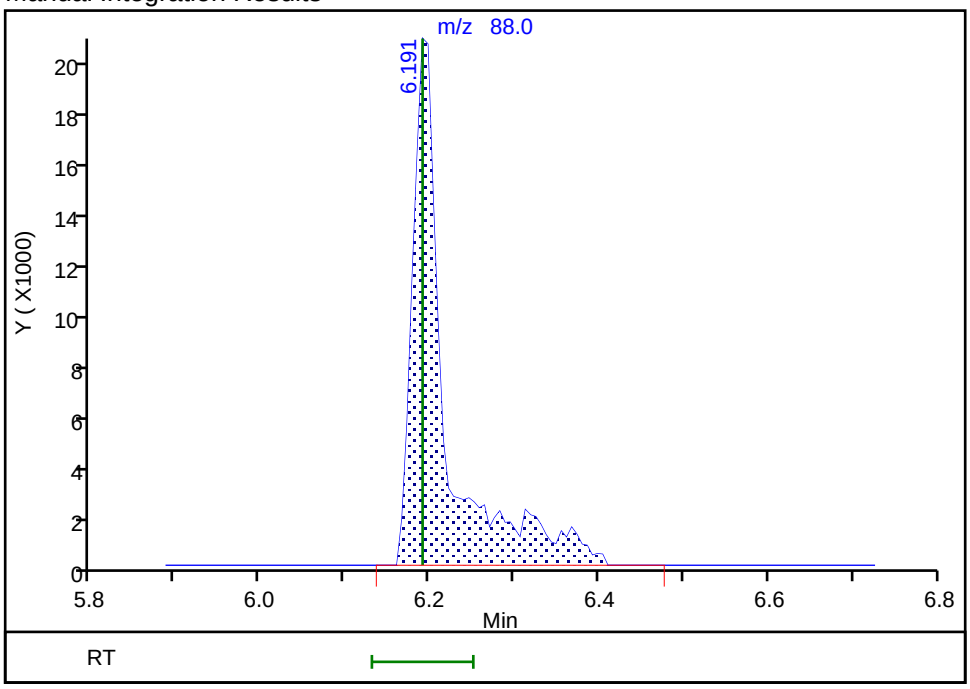
Processing Integration Results

RT: 6.19
Area: 44963
Amount: 423.9142
Amount Units: ug/L



Manual Integration Results

RT: 6.19
Area: 55636
Amount: 524.5399
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 18:41:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Lab Sample ID: CCVIS 480-471764/3 Calibration Date: 05/08/2019 09:26

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: T0643.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	1.532	0.1000	28.2	25.0	13.0	50.0
Chloromethane	Ave	1.775	1.953	0.1000	27.5	25.0	10.0	20.0
Butadiene	Ave	1.511	1.736		28.7	25.0	14.8	20.0
Vinyl chloride	Ave	1.611	1.685	0.1000	26.2	25.0	4.6	20.0
Bromomethane	Ave	1.358	1.414	0.1000	26.0	25.0	4.1	50.0
Chloroethane	Lin1		1.108	0.1000	29.8	25.0	19.2	50.0
Dichlorofluoromethane	Ave	2.385	2.455		25.7	25.0	2.9	20.0
Trichlorofluoromethane	Ave	2.461	2.315	0.1000	23.5	25.0	-5.9	20.0
Ethyl ether	Ave	1.125	0.9722		21.6	25.0	-13.6	20.0
Acrolein	Ave	0.2085	0.1766		106	125	-15.3	50.0
1,1-Dichloroethene	Ave	1.165	1.102	0.1000	23.6	25.0	-5.4	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.103	1.133	0.1000	25.7	25.0	2.7	20.0
Acetone	Ave	0.3634	0.4148	0.1000	143	125	14.2	50.0
Iodomethane	Ave	2.214	2.175		24.6	25.0	-1.8	20.0
Carbon disulfide	Ave	3.942	4.119	0.1000	26.1	25.0	4.5	20.0
Allyl chloride	Ave	2.136	2.124		24.9	25.0	-0.6	20.0
Methyl acetate	Ave	0.9310	0.9000	0.1000	48.3	50.0	-3.3	50.0
Methylene Chloride	Ave	1.489	1.364	0.1000	22.9	25.0	-8.3	20.0
2-Methyl-2-propanol	Ave	0.0833	0.0855		257	250	2.6	50.0
Methyl tert-butyl ether	Ave	3.309	3.290	0.1000	24.9	25.0	-0.6	20.0
trans-1,2-Dichloroethene	Ave	1.358	1.349	0.1000	24.8	25.0	-0.6	20.0
Acrylonitrile	Ave	0.4762	0.4366		229	250	-8.3	20.0
Hexane	Ave	1.801	2.113		29.3	25.0	17.3	20.0
1,1-Dichloroethane	Ave	2.274	2.555	0.2000	28.1	25.0	12.3	20.0
Vinyl acetate	Ave	2.099	2.384		56.8	50.0	13.6	20.0
2,2-Dichloropropane	Ave	1.562	1.630		26.1	25.0	4.4	20.0
cis-1,2-Dichloroethene	Ave	1.475	1.431	0.1000	24.2	25.0	-3.0	20.0
2-Butanone (MEK)	Ave	0.5759	0.5952	0.1000	129	125	3.3	20.0
Chlorobromomethane	Ave	0.7466	0.7801		26.1	25.0	4.5	20.0
Tetrahydrofuran	Ave	0.3852	0.3700		48.0	50.0	-3.9	20.0
Chloroform	Lin1		2.417	0.2000	26.7	25.0	7.0	20.0
1,1,1-Trichloroethane	Ave	1.630	1.925	0.1000	29.5	25.0	18.1	20.0
Cyclohexane	Ave	2.132	2.528	0.1000	29.6	25.0	18.6	20.0
Carbon tetrachloride	Ave	1.094	1.342	0.1000	30.7	25.0	22.7*	20.0
1,1-Dichloropropene	Ave	1.739	1.906		27.4	25.0	9.6	20.0
Benzene	Ave	5.218	5.238	0.5000	25.1	25.0	0.4	20.0
Isobutyl alcohol	Ave	0.0295	0.0308		653	625	4.5	50.0
1,2-Dichloroethane	Ave	1.904	2.014	0.1000	26.4	25.0	5.7	20.0
n-Heptane	Ave	1.999	2.398		30.0	25.0	20.0	20.0
Trichloroethene	Ave	1.333	1.430	0.2000	26.8	25.0	7.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Lab Sample ID: CCVIS 480-471764/3 Calibration Date: 05/08/2019 09:26

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: T0643.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	2.479	0.1000	29.7	25.0	18.7	20.0
1,2-Dichloropropane	Ave	1.277	1.482	0.1000	29.0	25.0	16.0	20.0
1,4-Dioxane	Lin1		0.0034		522	500	4.3	50.0
Dibromomethane	Ave	0.8344	0.9054	0.1000	27.1	25.0	8.5	20.0
Bromodichloromethane	Ave	1.509	1.653	0.2000	27.4	25.0	9.5	20.0
2-Chloroethyl vinyl ether	Ave	0.8452	0.8585		25.4	25.0	1.6	20.0
cis-1,3-Dichloropropene	Ave	1.762	1.898	0.2000	26.9	25.0	7.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3098	0.3368	0.1000	136	125	8.7	20.0
Toluene	Ave	0.8556	0.9239	0.4000	27.0	25.0	8.0	20.0
trans-1,3-Dichloropropene	Ave	0.4146	0.4320	0.1000	26.0	25.0	4.2	20.0
Ethyl methacrylate	Ave	0.3076	0.3568		29.0	25.0	16.0	20.0
1,1,2-Trichloroethane	Ave	0.2549	0.2468	0.1000	24.2	25.0	-3.2	20.0
Tetrachloroethene	Ave	0.3352	0.4108	0.2000	30.6	25.0	22.6*	20.0
1,3-Dichloropropane	Ave	0.5020	0.5512		27.4	25.0	9.8	20.0
2-Hexanone	Ave	0.1996	0.2443	0.1000	153	125	22.4*	20.0
Dibromochloromethane	Ave	0.2109	0.2727	0.1000	32.3	25.0	29.3*	20.0
1,2-Dibromoethane	Ave	0.2947	0.2985		25.3	25.0	1.3	20.0
Chlorobenzene	Ave	0.9881	0.9826	0.5000	24.9	25.0	-0.6	20.0
Ethylbenzene	Ave	1.587	1.754	0.1000	27.6	25.0	10.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2435	0.2795		28.7	25.0	14.8	20.0
m,p-Xylene	Ave	0.6281	0.6640	0.1000	26.4	25.0	5.7	20.0
o-Xylene	Ave	0.6071	0.6538	0.3000	26.9	25.0	7.7	20.0
Styrene	Ave	1.036	1.105	0.3000	26.7	25.0	6.7	20.0
Bromoform	Ave	0.1000	0.1552	0.1000	38.8	25.0	55.2*	50.0
Isopropylbenzene	Ave	2.930	2.973	0.1000	25.4	25.0	1.5	20.0
Bromobenzene	Ave	0.7670	0.7782		25.4	25.0	1.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6924	0.6553	0.3000	23.7	25.0	-5.4	20.0
N-Propylbenzene	Ave	3.657	3.575		24.4	25.0	-2.2	20.0
1,2,3-Trichloropropane	Ave	0.2400	0.2057		21.4	25.0	-14.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2019	0.1687		20.9	25.0	-16.4	50.0
2-Chlorotoluene	Ave	0.7623	0.7083		23.2	25.0	-7.1	20.0
1,3,5-Trimethylbenzene	Ave	2.601	2.553		24.5	25.0	-1.8	20.0
4-Chlorotoluene	Ave	2.250	2.169		24.1	25.0	-3.6	20.0
tert-Butylbenzene	Ave	0.5590	0.5635		25.2	25.0	0.8	20.0
1,2,4-Trimethylbenzene	Ave	2.627	2.582		24.6	25.0	-1.7	20.0
sec-Butylbenzene	Ave	3.201	3.337		26.1	25.0	4.2	20.0
4-Isopropyltoluene	Ave	2.732	2.793		25.6	25.0	2.3	20.0
1,3-Dichlorobenzene	Ave	1.507	1.500	0.6000	24.9	25.0	-0.5	20.0
1,4-Dichlorobenzene	Ave	1.519	1.501	0.5000	24.7	25.0	-1.2	20.0
n-Butylbenzene	Ave	2.640	2.654		25.1	25.0	0.6	20.0
1,2-Dichlorobenzene	Ave	1.465	1.445	0.4000	24.7	25.0	-1.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Lab Sample ID: CCVIS 480-471764/3 Calibration Date: 05/08/2019 09:26

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: T0643.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	0.0863	0.0500	24.6	25.0	-1.8	50.0
1,2,4-Trichlorobenzene	Ave	1.073	1.097	0.2000	25.6	25.0	2.3	20.0
Hexachlorobutadiene	Ave	0.4609	0.4977		27.0	25.0	8.0	20.0
Naphthalene	Ave	2.540	2.323		22.9	25.0	-8.5	20.0
1,2,3-Trichlorobenzene	Ave	1.029	1.008		24.5	25.0	-2.1	20.0
Dibromofluoromethane (Surr)	Ave	1.299	1.311		25.2	25.0	0.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.510	1.637		27.1	25.0	8.4	20.0
Toluene-d8 (Surr)	Ave	1.328	1.315		24.8	25.0	-1.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3945	0.4314		27.3	25.0	9.3	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0643.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-May-2019 09:26:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0080903-003
Operator ID: AEM Instrument ID: HP5975T
Sublist: chrom-T-8260*sub48

Method: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 00:33:25 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: CTX0301

First Level Reviewer: nowakk Date: 08-May-2019 09:56:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.859	4.859	0.000	98	118357	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	88	447075	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	94	254880	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	91	155162	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	193696	25.0	27.1	
$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.000	95	588037	25.0	24.8	
$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.082	0.000	0	192845	25.0	27.3	
11 Dichlorodifluoromethane	85	1.263	1.263	0.000	99	181335	25.0	28.2	a
13 Chloromethane	50	1.408	1.408	0.000	99	231093	25.0	27.5	a
14 Vinyl chloride	62	1.501	1.501	0.000	99	199481	25.0	26.2	a
151 Butadiene	54	1.480	1.480	0.000	94	205415	25.0	28.7	a
15 Bromomethane	94	1.760	1.760	0.000	94	167309	25.0	26.0	a
16 Chloroethane	64	1.822	1.822	0.000	97	131185	25.0	29.8	a
18 Dichlorofluoromethane	67	2.050	2.050	0.000	93	290612	25.0	25.7	a
17 Trichlorofluoromethane	101	2.061	2.061	0.000	65	274041	25.0	23.5	a
19 Ethyl ether	59	2.289	2.289	0.000	96	115072	25.0	21.6	
21 Acrolein	56	2.475	2.475	0.000	100	104477	125.0	105.8	
22 1,1-Dichloroethene	96	2.496	2.496	0.000	96	130390	25.0	23.6	
20 1,1,2-Trichloro-1,2,2-trif	101	2.506	2.506	0.000	60	134125	25.0	25.7	a
23 Acetone	43	2.610	2.610	0.000	99	245480	125.0	142.7	
24 Iodomethane	142	2.651	2.651	0.000	99	257381	25.0	24.6	
25 Carbon disulfide	76	2.682	2.682	0.000	99	487518	25.0	26.1	
27 3-Chloro-1-propene	41	2.838	2.838	0.000	88	251378	25.0	24.9	
28 Methyl acetate	43	2.879	2.879	0.000	99	213035	50.0	48.3	
30 Methylene Chloride	84	2.973	2.973	0.000	98	161483	25.0	22.9	
31 2-Methyl-2-propanol	59	3.128	3.128	0.000	64	101168	250.0	256.6	
32 trans-1,2-Dichloroethene	96	3.169	3.169	0.000	96	159660	25.0	24.8	
33 Methyl tert-butyl ether	73	3.169	3.169	0.000	82	389388	25.0	24.9	
34 Acrylonitrile	53	3.221	3.221	0.000	96	516687	250.0	229.2	
35 Hexane	57	3.335	3.335	0.000	95	250089	25.0	29.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.532	3.532	0.000	98	302397	25.0	28.1	
39 Vinyl acetate	43	3.574	3.574	0.000	97	564414	50.0	56.8	
42 2,2-Dichloropropane	77	3.988	3.988	0.000	86	192971	25.0	26.1	
43 cis-1,2-Dichloroethene	96	4.009	4.009	0.000	85	169334	25.0	24.2	
44 2-Butanone (MEK)	43	4.030	4.030	0.000	99	352198	125.0	129.2	
47 Chlorobromomethane	128	4.195	4.195	0.000	94	92326	25.0	26.1	
48 Tetrahydrofuran	42	4.206	4.206	0.000	90	87588	50.0	48.0	
50 Chloroform	83	4.258	4.258	0.000	95	286022	25.0	26.7	
52 Cyclohexane	56	4.361	4.361	0.000	96	299171	25.0	29.6	
51 1,1,1-Trichloroethane	97	4.361	4.361	0.000	84	227873	25.0	29.5	
53 Carbon tetrachloride	117	4.465	4.465	0.000	91	158853	25.0	30.7	
54 1,1-Dichloropropene	75	4.475	4.475	0.000	89	225604	25.0	27.4	
55 Benzene	78	4.641	4.641	0.000	96	619995	25.0	25.1	
56 Isobutyl alcohol	43	4.651	4.651	0.000	89	91142	625.0	653.1	
57 1,2-Dichloroethane	62	4.693	4.693	0.000	96	238314	25.0	26.4	
59 n-Heptane	43	4.776	4.776	0.000	94	283789	25.0	30.0	
60 Trichloroethene	95	5.118	5.118	0.000	94	169261	25.0	26.8	
62 Methylcyclohexane	83	5.221	5.221	0.000	95	293450	25.0	29.7	
63 1,2-Dichloropropane	63	5.315	5.315	0.000	89	175389	25.0	29.0	
65 Dibromomethane	93	5.418	5.418	0.000	93	107157	25.0	27.1	
66 1,4-Dioxane	88	5.418	5.418	0.000	37	30180	500.0	521.7	M
67 Dichlorobromomethane	83	5.543	5.543	0.000	97	195608	25.0	27.4	
69 2-Chloroethyl vinyl ether	63	5.739	5.739	0.000	94	101612	25.0	25.4	
71 cis-1,3-Dichloropropene	75	5.853	5.853	0.000	89	224653	25.0	26.9	
72 4-Methyl-2-pentanone (MIBK	43	5.967	5.967	0.000	99	752915	125.0	135.9	
73 Toluene	92	6.071	6.071	0.000	97	413035	25.0	27.0	
75 trans-1,3-Dichloropropene	75	6.289	6.289	0.000	97	193132	25.0	26.0	
77 Ethyl methacrylate	69	6.309	6.309	0.000	94	159517	25.0	29.0	
78 1,1,2-Trichloroethane	83	6.434	6.434	0.000	92	110352	25.0	24.2	
79 Tetrachloroethene	166	6.475	6.475	0.000	95	183677	25.0	30.6	
80 1,3-Dichloropropane	76	6.558	6.558	0.000	94	246420	25.0	27.4	
81 2-Hexanone	43	6.600	6.600	0.000	99	546195	125.0	153.0	a
82 Chlorodibromomethane	129	6.734	6.734	0.000	89	121918	25.0	32.3	
83 Ethylene Dibromide	107	6.817	6.817	0.000	96	133458	25.0	25.3	
86 Chlorobenzene	112	7.170	7.170	0.000	93	439304	25.0	24.9	
88 Ethylbenzene	91	7.232	7.232	0.000	98	784064	25.0	27.6	
89 1,1,1,2-Tetrachloroethane	131	7.242	7.242	0.000	89	124977	25.0	28.7	
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	296844	25.0	26.4	
91 o-Xylene	106	7.646	7.646	0.000	97	292281	25.0	26.9	
92 Styrene	104	7.667	7.667	0.000	95	494140	25.0	26.7	
93 Bromoform	173	7.854	7.854	0.000	93	69376	25.0	38.8	
95 Isopropylbenzene	105	7.926	7.926	0.000	97	757712	25.0	25.4	
97 Bromobenzene	156	8.206	8.206	0.000	94	198351	25.0	25.4	
98 1,1,2,2-Tetrachloroethane	83	8.237	8.237	0.000	96	167015	25.0	23.7	
99 N-Propylbenzene	91	8.258	8.258	0.000	98	911224	25.0	24.4	
100 1,2,3-Trichloropropane	110	8.268	8.268	0.000	91	52415	25.0	21.4	
101 trans-1,4-Dichloro-2-buten	53	8.268	8.268	0.000	70	42995	25.0	20.9	
105 2-Chlorotoluene	126	8.341	8.341	0.000	95	180525	25.0	23.2	
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	96	650665	25.0	24.5	
102 4-Chlorotoluene	91	8.434	8.434	0.000	98	552915	25.0	24.1	
106 tert-Butylbenzene	134	8.651	8.651	0.000	94	143633	25.0	25.2	
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	98	658024	25.0	24.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.828	8.828	0.000	95	850436	25.0	26.1	
111 4-Isopropyltoluene	119	8.952	8.952	0.000	97	712003	25.0	25.6	
110 1,3-Dichlorobenzene	146	8.962	8.962	0.000	98	382315	25.0	24.9	
113 1,4-Dichlorobenzene	146	9.035	9.035	0.000	94	382563	25.0	24.7	
115 n-Butylbenzene	91	9.284	9.284	0.000	97	676541	25.0	25.1	
116 1,2-Dichlorobenzene	146	9.346	9.346	0.000	95	368370	25.0	24.7	
117 1,2-Dibromo-3-Chloropropan	75	10.019	10.019	0.000	79	21999	25.0	24.6	
119 1,2,4-Trichlorobenzene	180	10.662	10.662	0.000	93	279664	25.0	25.6	
120 Hexachlorobutadiene	225	10.766	10.766	0.000	95	126861	25.0	27.0	
121 Naphthalene	128	10.869	10.869	0.000	97	592038	25.0	22.9	
122 1,2,3-Trichlorobenzene	180	11.066	11.066	0.000	94	256918	25.0	24.5	

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_00188	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00218	Amount Added: 1.00	Units: uL	Run Reagent

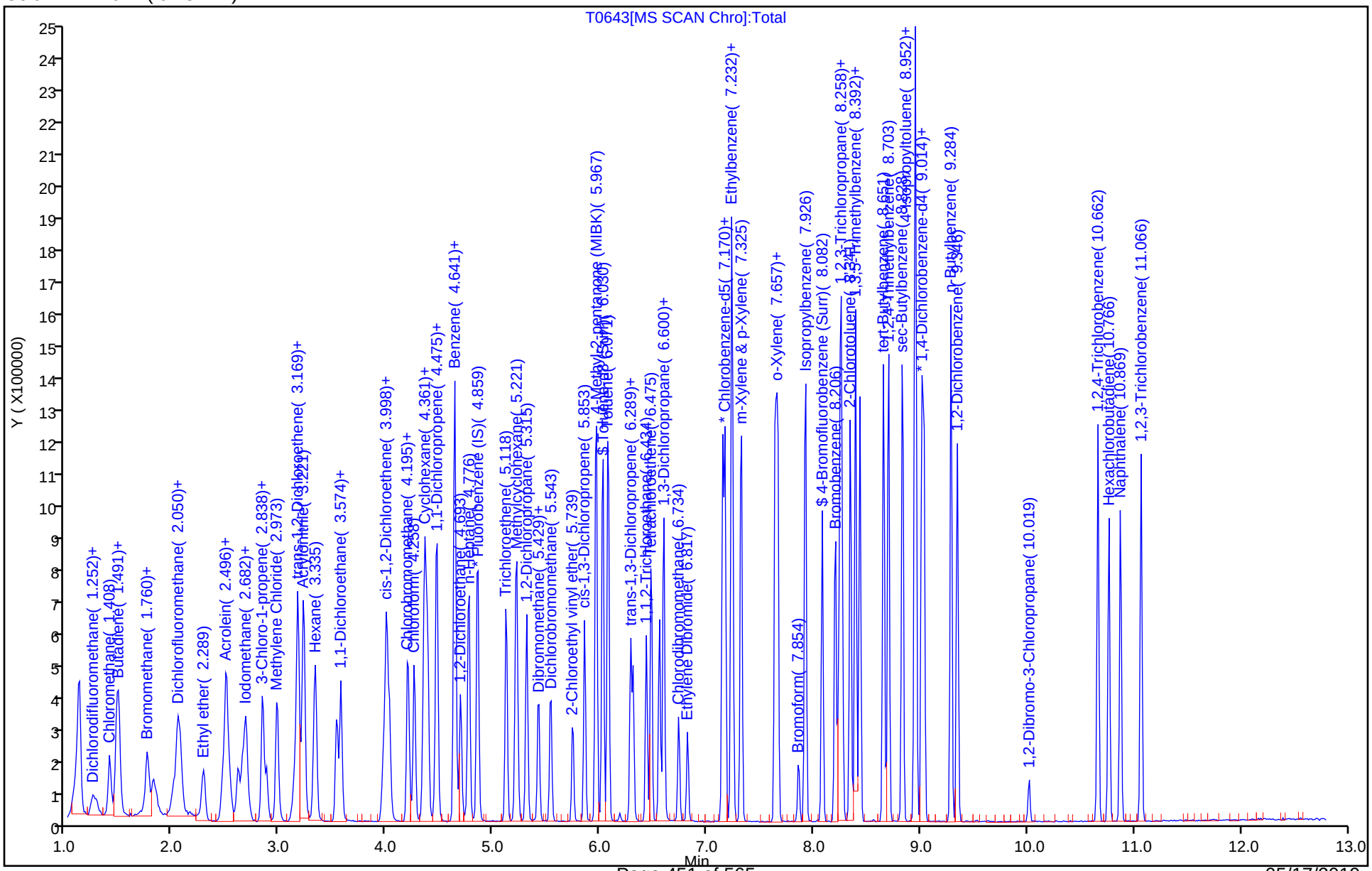
Report Date: 09-May-2019 00:33:27 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0643.D

Injection Date:	08-May-2019 09:26:30	Instrument ID:	HP5975T	Operator ID:	AEM
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)



Eurofins TestAmerica, Buffalo

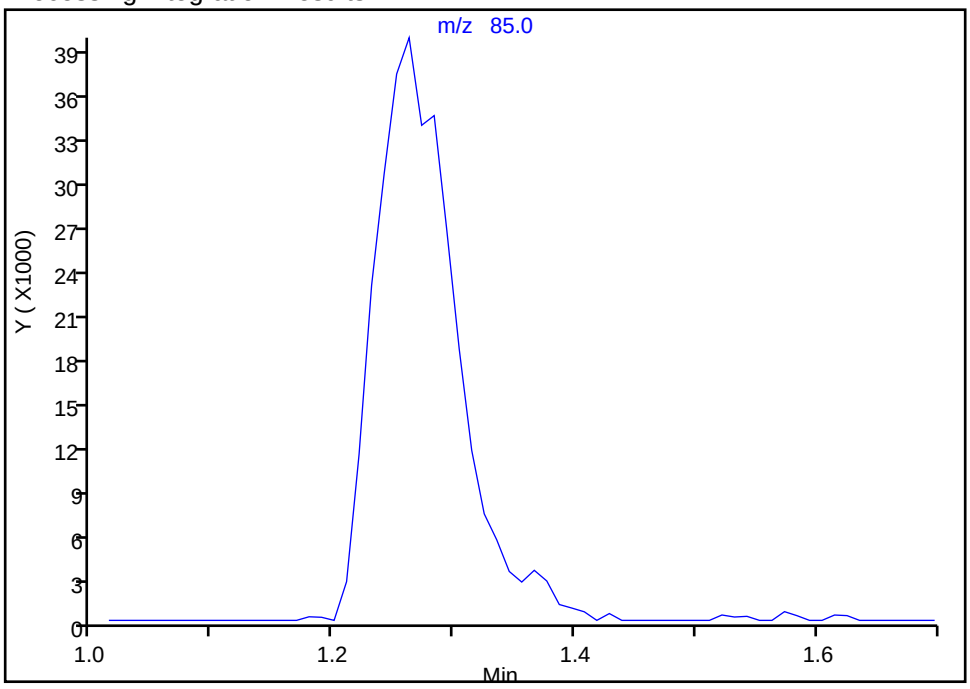
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0643.D
Injection Date: 08-May-2019 09:26:30 Instrument ID: HP5975T
Lims ID: CCVIS
Client ID:
Operator ID: AEM ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

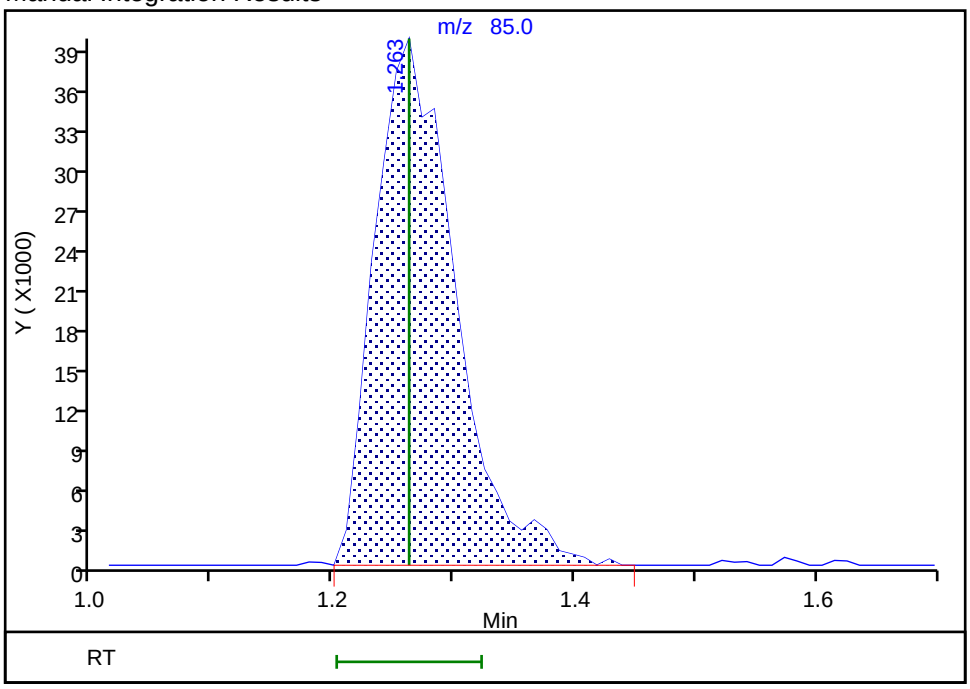
Not Detected
Expected RT: 1.26

Processing Integration Results



Manual Integration Results

RT: 1.26
Area: 181335
Amount: 28.239181
Amount Units: ug/L



Reviewer: nowakk, 08-May-2019 09:40:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

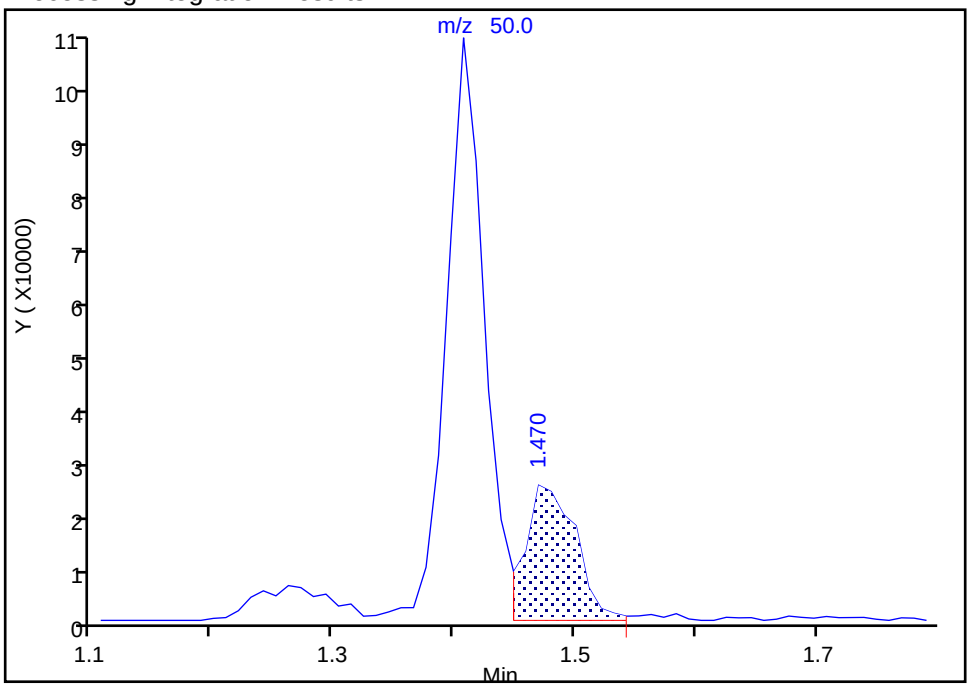
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0643.D
Injection Date: 08-May-2019 09:26:30 Instrument ID: HP5975T
Lims ID: CCVIS
Client ID:
Operator ID: AEM ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

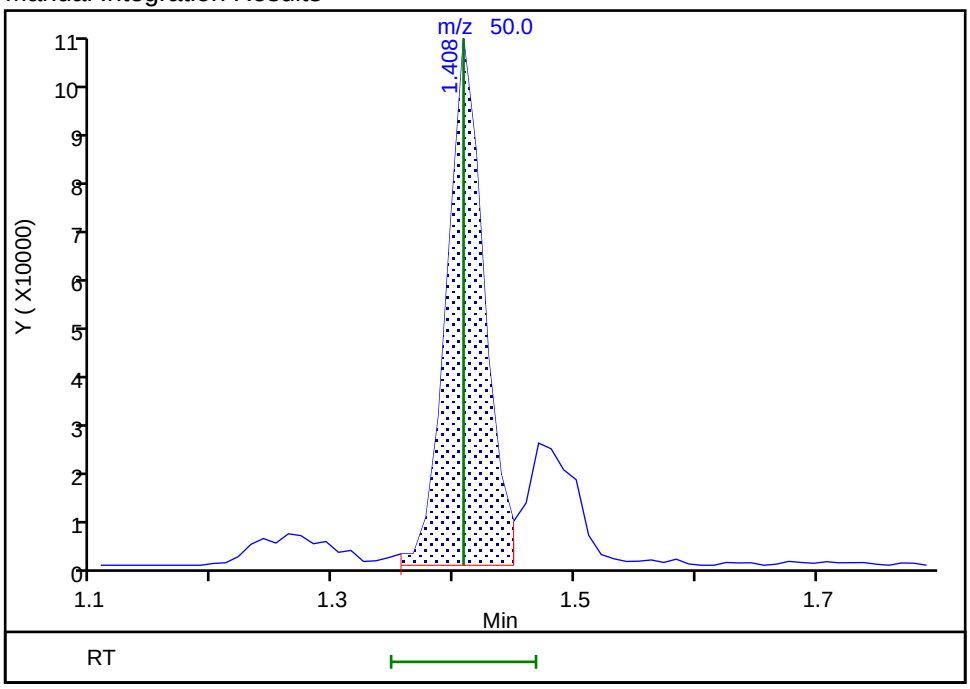
Processing Integration Results

RT: 1.47
Area: 71946
Amount: 8.559971
Amount Units: ug/L



Manual Integration Results

RT: 1.41
Area: 231093
Amount: 27.494918
Amount Units: ug/L



Reviewer: nowakk, 08-May-2019 09:40:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

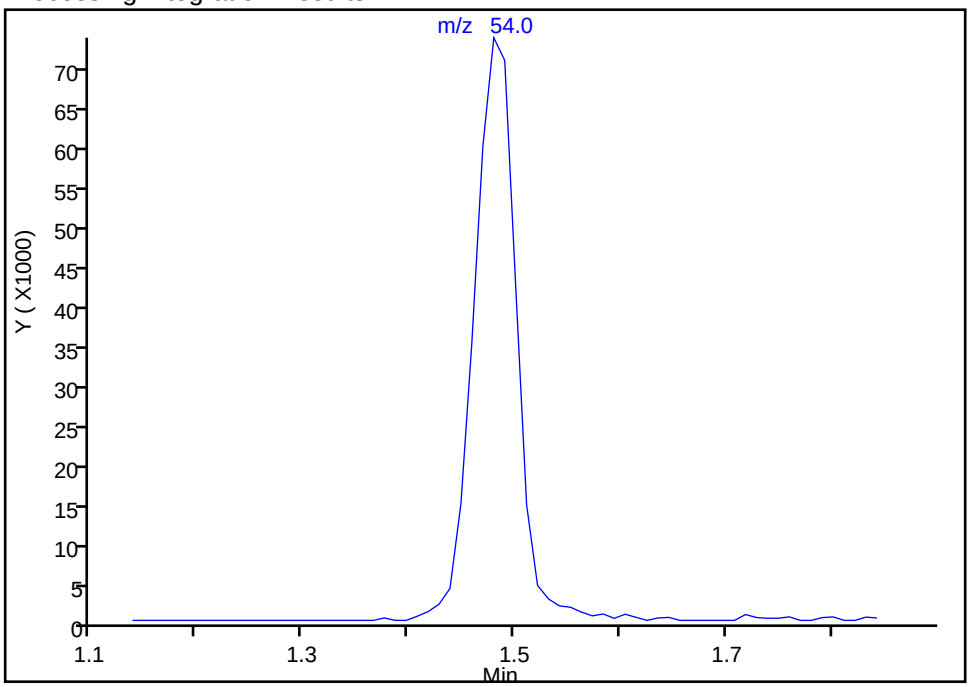
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0643.D
Injection Date: 08-May-2019 09:26:30 Instrument ID: HP5975T
Lims ID: CCVIS
Client ID:
Operator ID: AEM ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

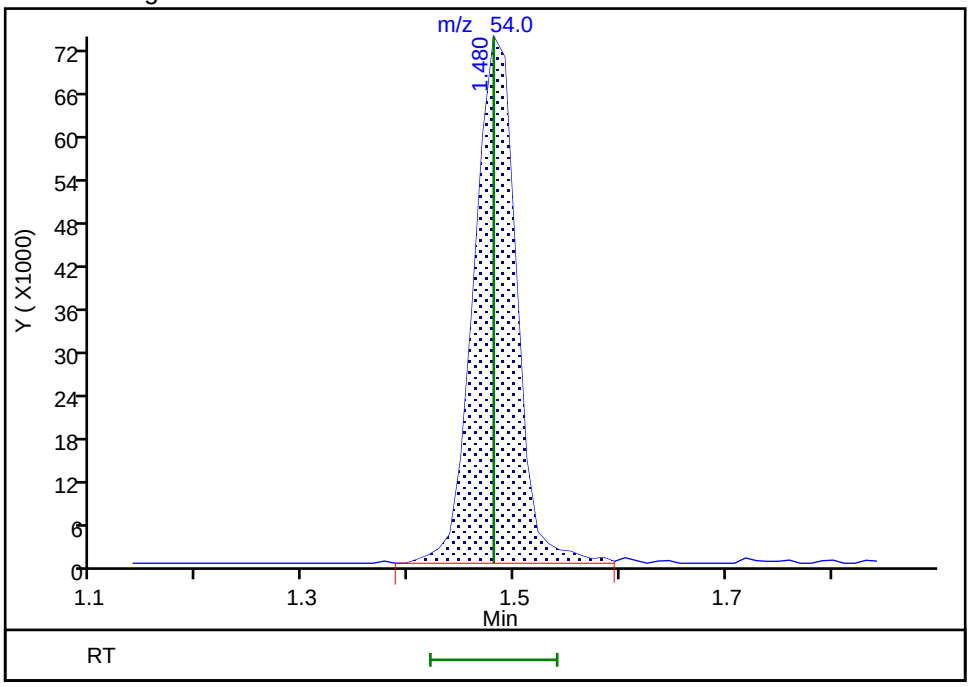
Not Detected
Expected RT: 1.48

Processing Integration Results



Manual Integration Results

RT: 1.48
Area: 205415
Amount: 28.709006
Amount Units: ug/L



Reviewer: nowakk, 08-May-2019 09:40:29
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

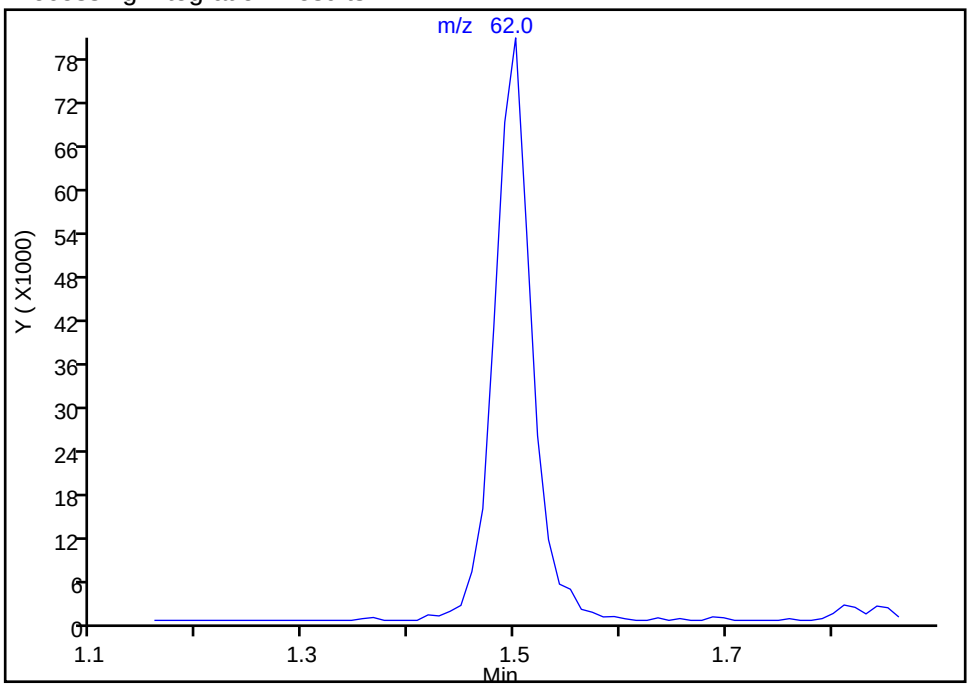
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0643.D
Injection Date: 08-May-2019 09:26:30 Instrument ID: HP5975T
Lims ID: CCVIS
Client ID:
Operator ID: AEM ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Vinyl chloride, CAS: 75-01-4

Signal: 1

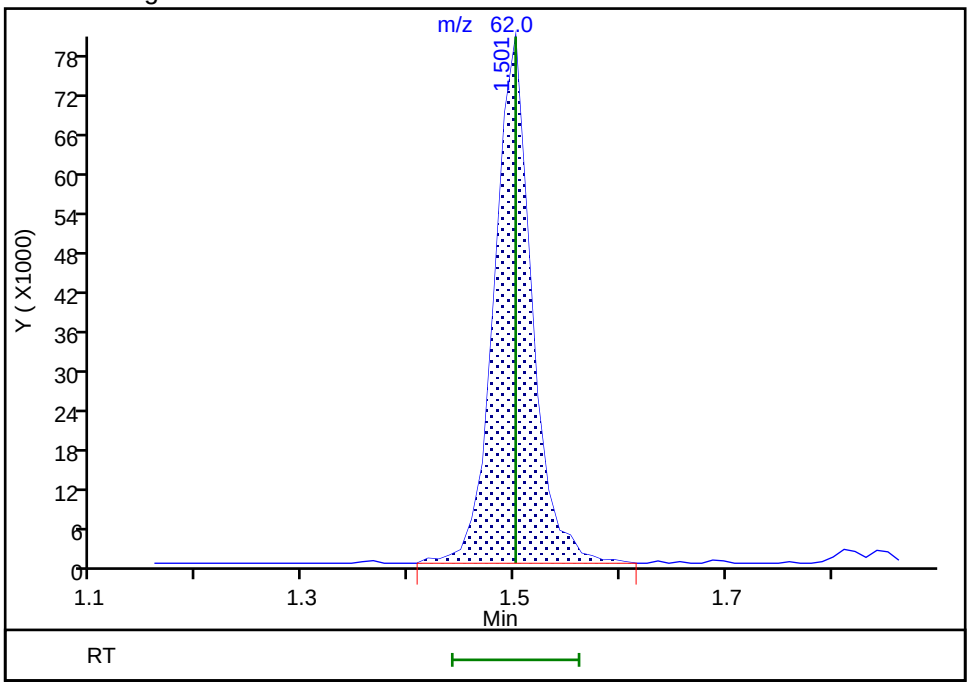
Not Detected
Expected RT: 1.50

Processing Integration Results



Manual Integration Results

RT: 1.50
Area: 199481
Amount: 26.155804
Amount Units: ug/L



Reviewer: nowakk, 08-May-2019 09:40:33
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

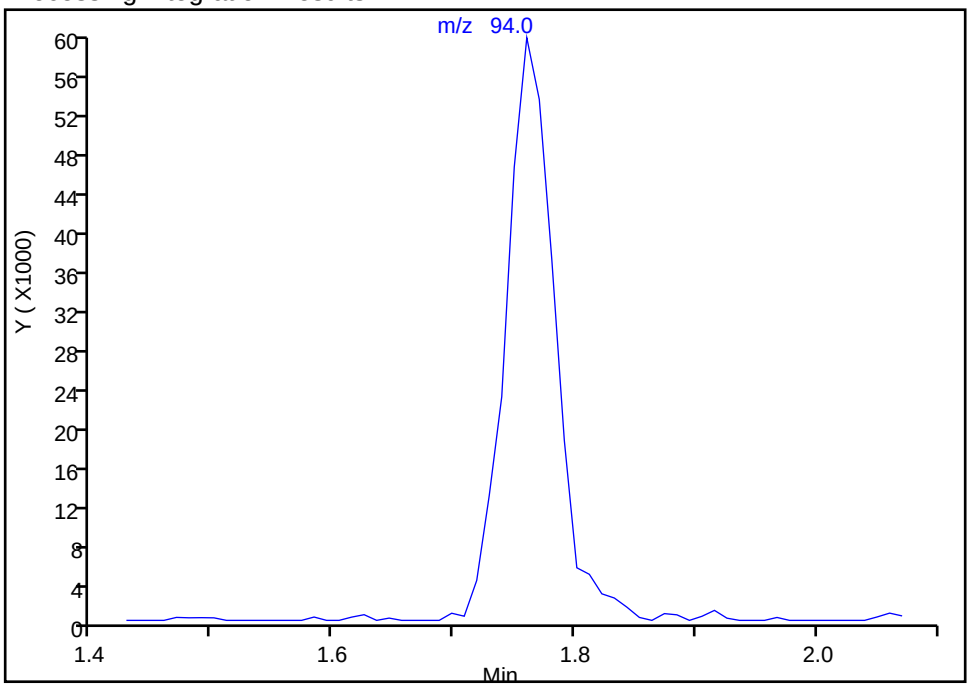
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0643.D
Injection Date: 08-May-2019 09:26:30 Instrument ID: HP5975T
Lims ID: CCVIS
Client ID:
Operator ID: AEM ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

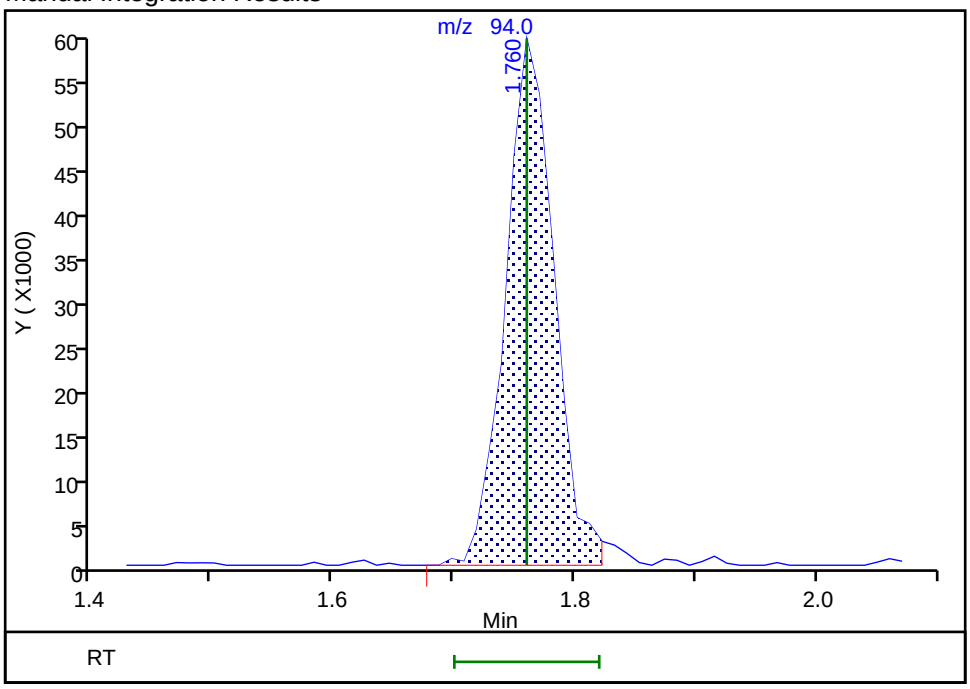
Not Detected
Expected RT: 1.76

Processing Integration Results



Manual Integration Results

RT: 1.76
Area: 167309
Amount: 26.017844
Amount Units: ug/L



Reviewer: nowakk, 08-May-2019 09:40:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

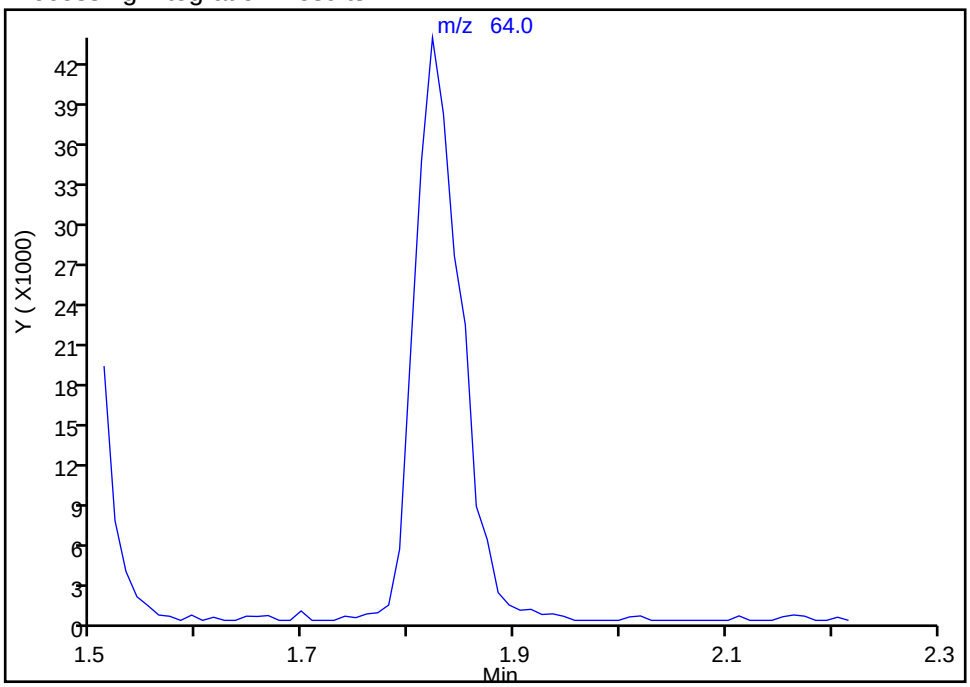
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0643.D
Injection Date: 08-May-2019 09:26:30 Instrument ID: HP5975T
Lims ID: CCVIS
Client ID:
Operator ID: AEM ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

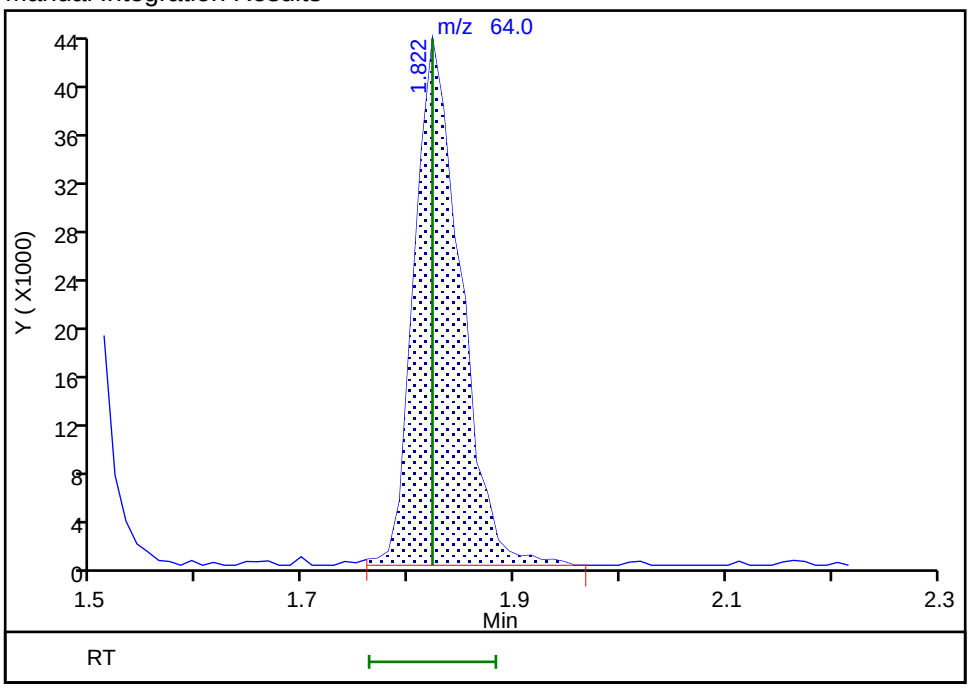
Not Detected
Expected RT: 1.82

Processing Integration Results



Manual Integration Results

RT: 1.82
Area: 131185
Amount: 29.804778
Amount Units: ug/L



Reviewer: nowakk, 08-May-2019 09:40:39
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

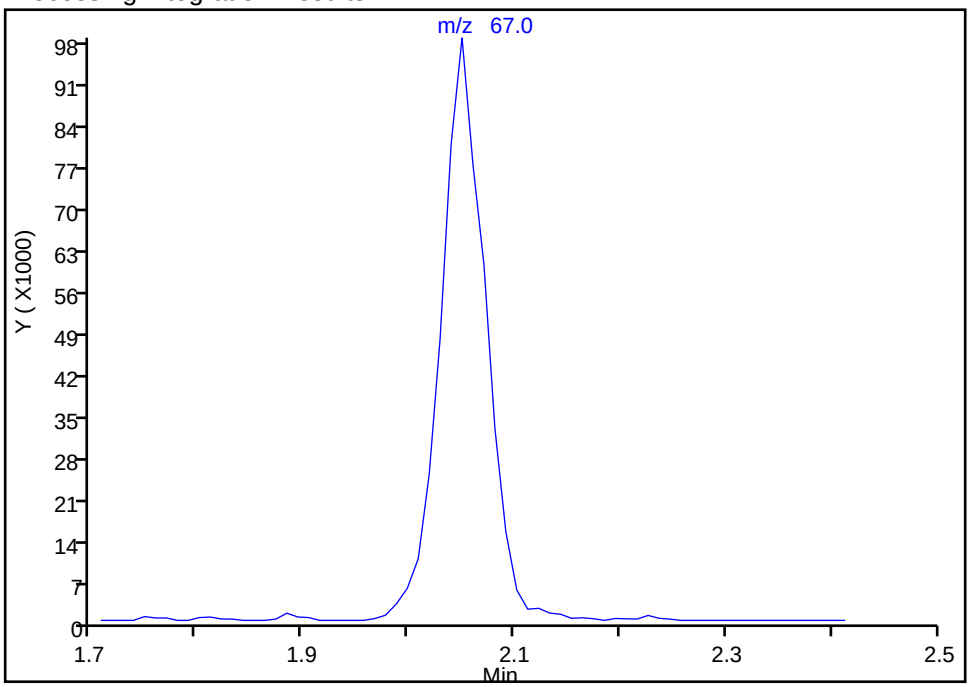
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0643.D
Injection Date: 08-May-2019 09:26:30 Instrument ID: HP5975T
Lims ID: CCVIS
Client ID:
Operator ID: AEM ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

18 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

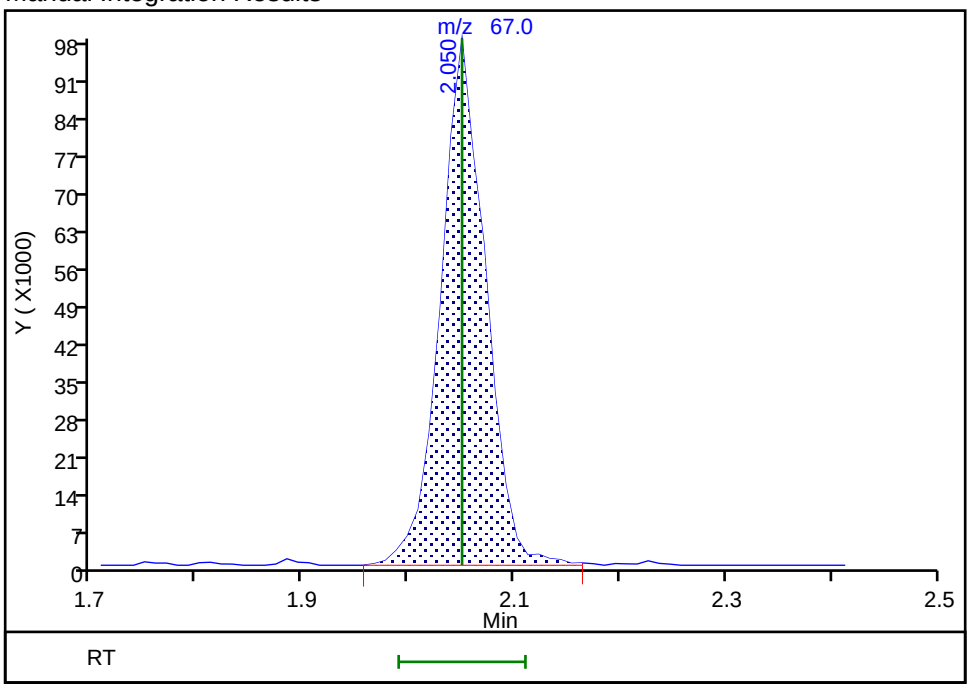
Not Detected
Expected RT: 2.05

Processing Integration Results



Manual Integration Results

RT: 2.05
Area: 290612
Amount: 25.734193
Amount Units: ug/L



Reviewer: nowakk, 08-May-2019 09:40:41
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

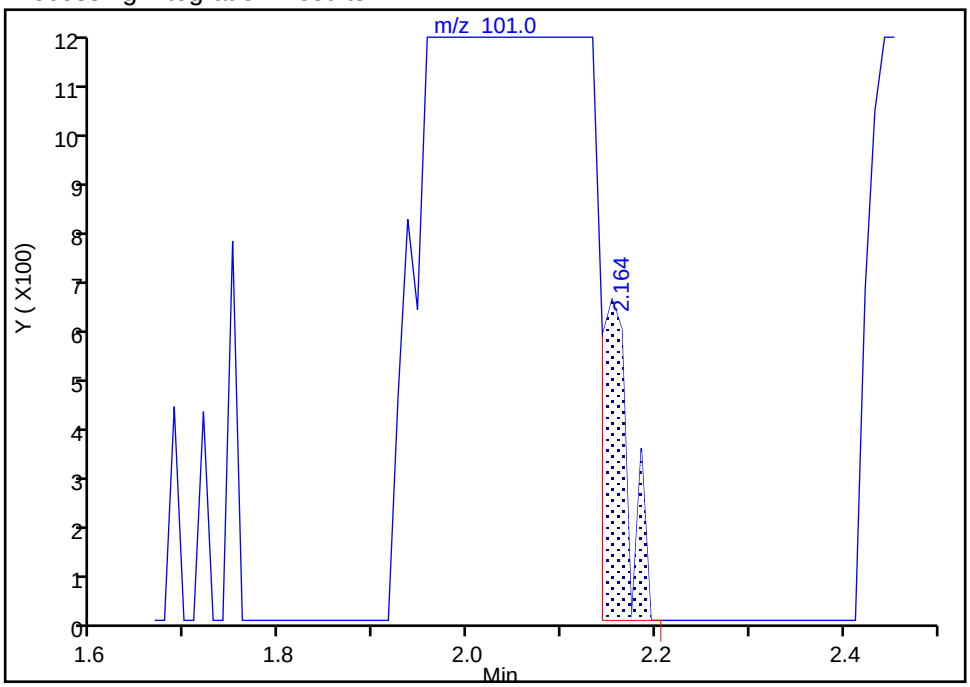
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0643.D
Injection Date: 08-May-2019 09:26:30 Instrument ID: HP5975T
Lims ID: CCVIS
Client ID:
Operator ID: AEM ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

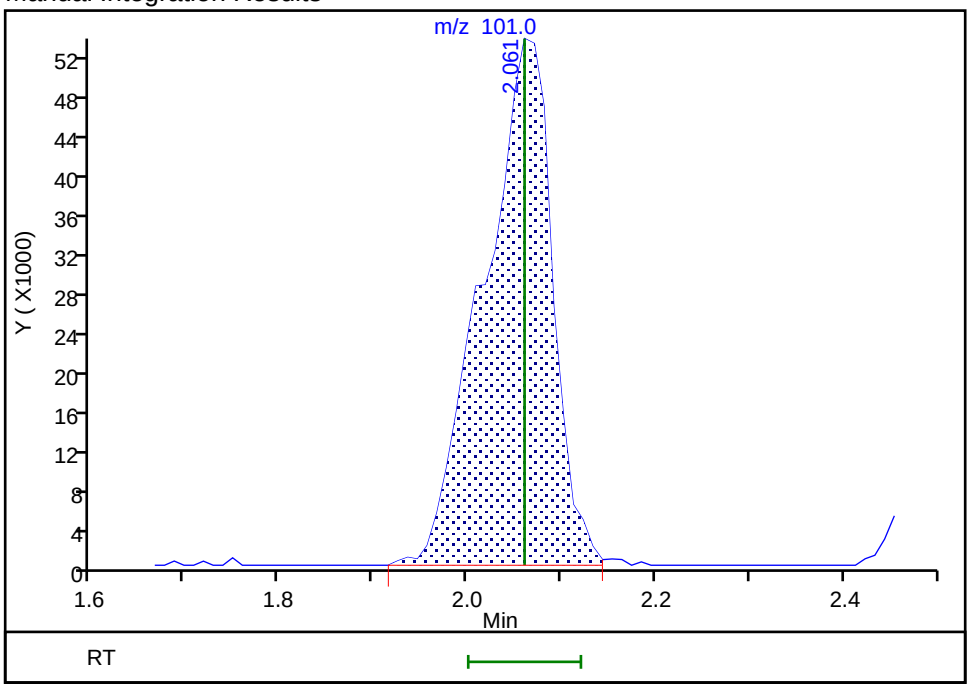
Processing Integration Results

RT: 2.16
Area: 1328
Amount: 0.113970
Amount Units: ug/L



Manual Integration Results

RT: 2.06
Area: 274041
Amount: 23.518502
Amount Units: ug/L



Reviewer: nowakk, 08-May-2019 09:40:52
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

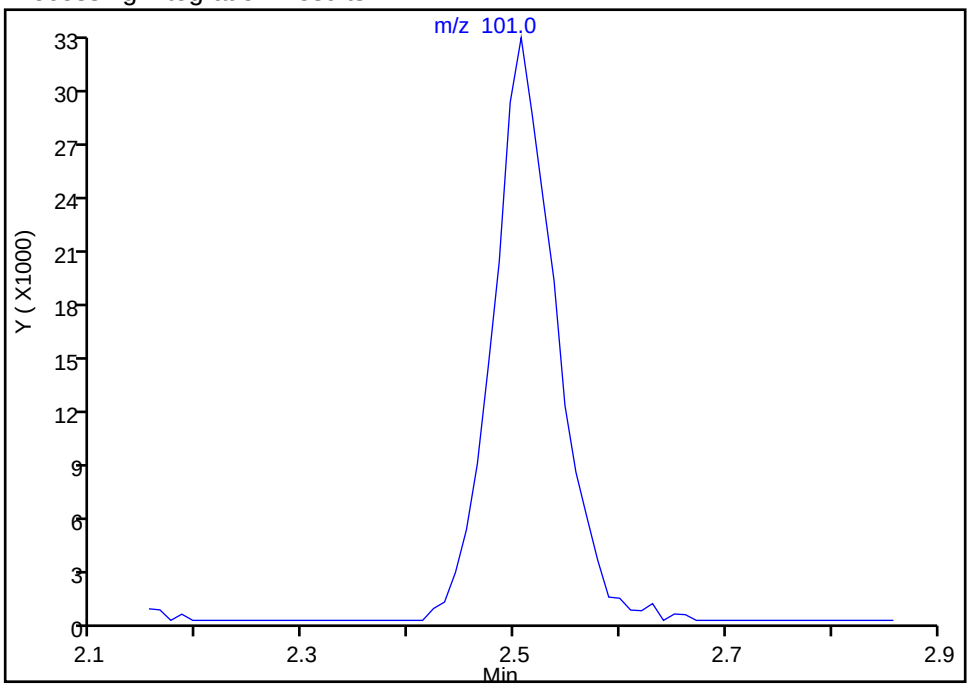
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0643.D
Injection Date: 08-May-2019 09:26:30 Instrument ID: HP5975T
Lims ID: CCVIS
Client ID:
Operator ID: AEM ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

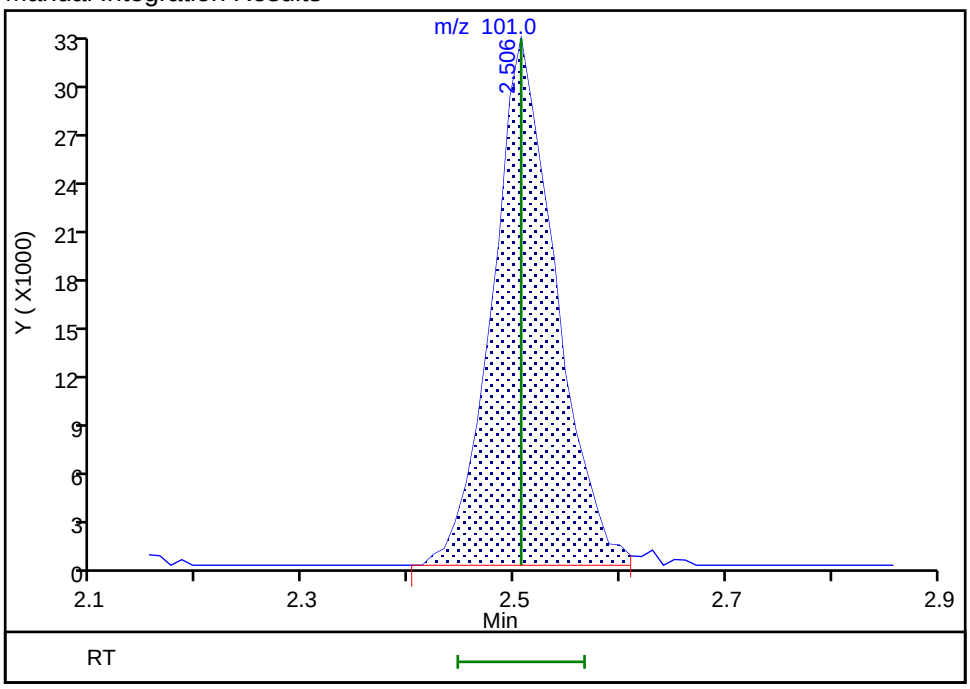
Not Detected
Expected RT: 2.51

Processing Integration Results



Manual Integration Results

RT: 2.51
Area: 134125
Amount: 25.679162
Amount Units: ug/L



Reviewer: nowakk, 08-May-2019 09:40:44
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

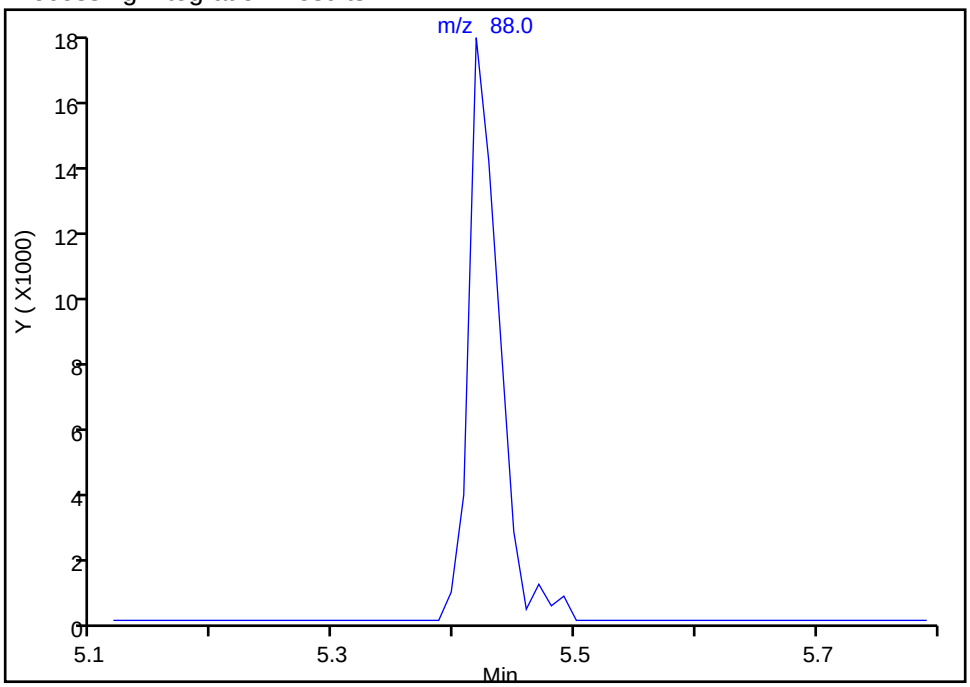
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0643.D
Injection Date: 08-May-2019 09:26:30 Instrument ID: HP5975T
Lims ID: CCVIS
Client ID:
Operator ID: AEM ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

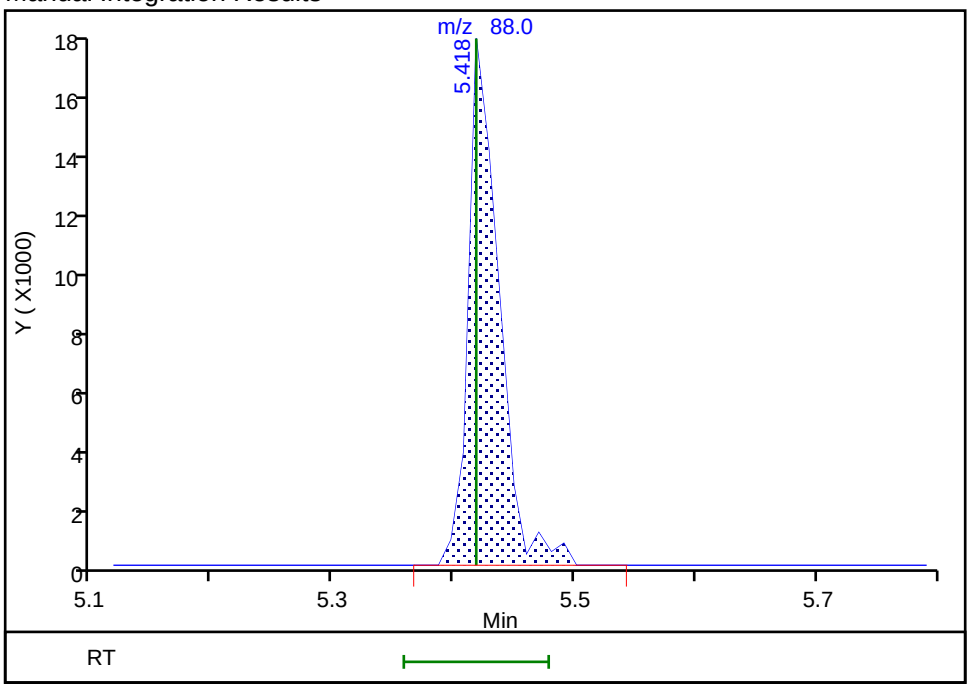
Not Detected
Expected RT: 5.42

Processing Integration Results



Manual Integration Results

RT: 5.42
Area: 30180
Amount: 521.6964
Amount Units: ug/L



Reviewer: nowakk, 08-May-2019 09:41:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

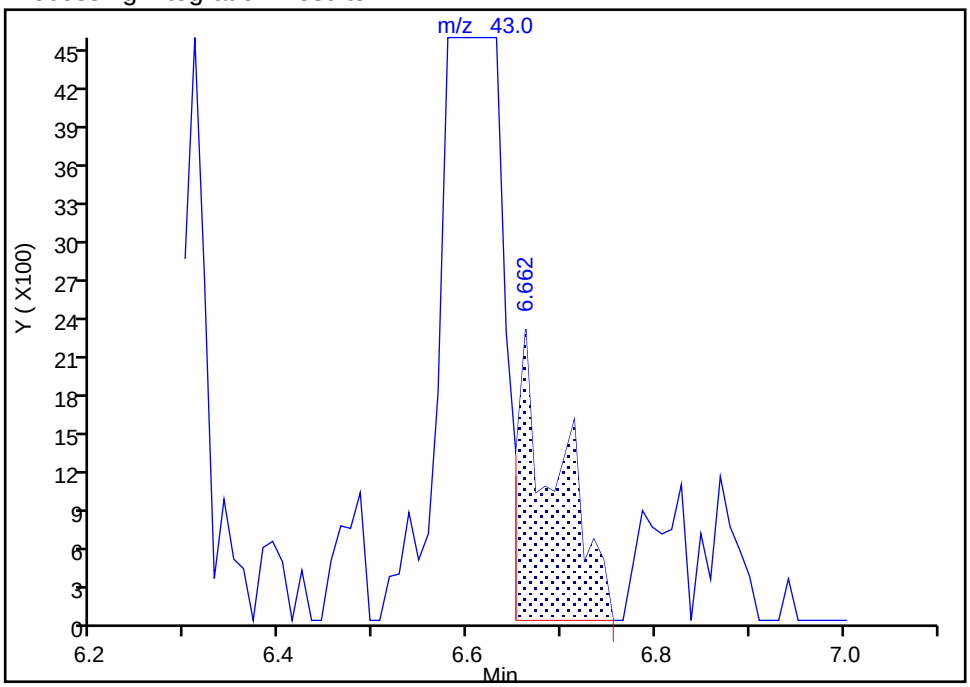
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0643.D
Injection Date: 08-May-2019 09:26:30 Instrument ID: HP5975T
Lims ID: CCVIS
Client ID:
Operator ID: AEM ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

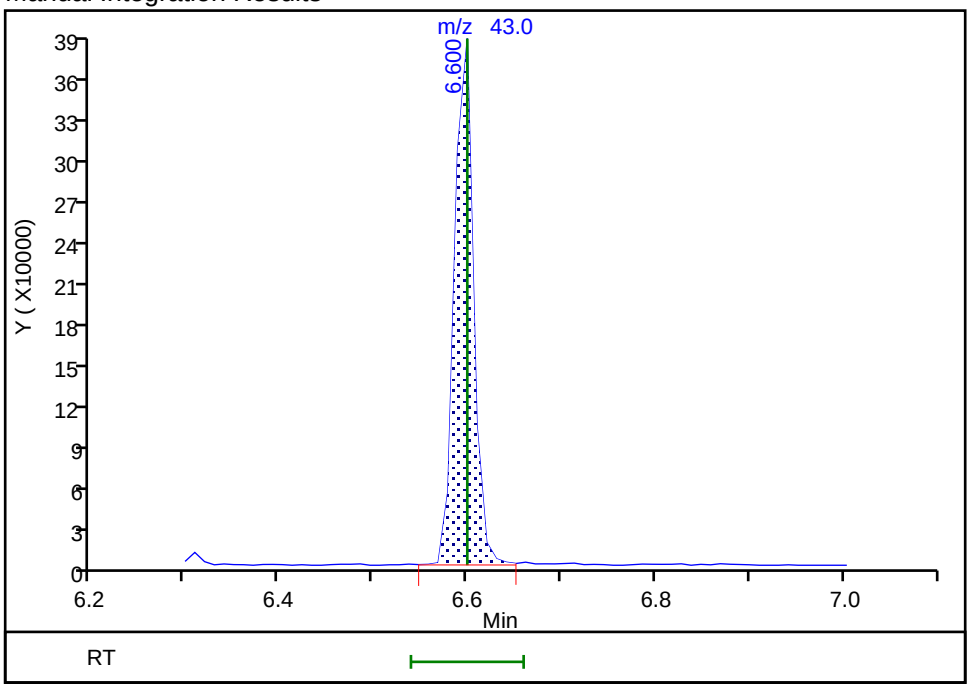
Processing Integration Results

RT: 6.66
Area: 6854
Amount: 1.920427
Amount Units: ug/L



Manual Integration Results

RT: 6.60
Area: 546195
Amount: 153.0387
Amount Units: ug/L



Reviewer: nowakk, 08-May-2019 09:42:11
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

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
$ 61 BFB	95	3.802	3.802	0.000	0	353726	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

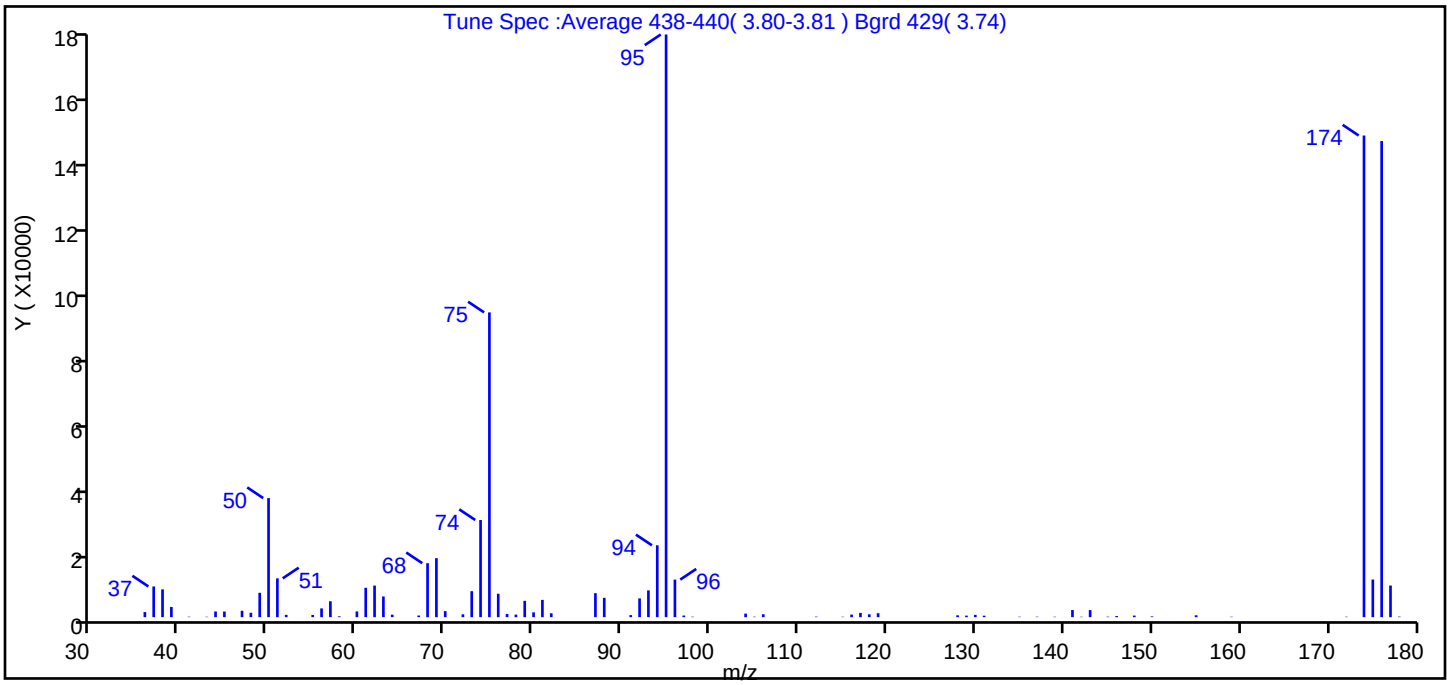
BFB_WRK_00085 Amount Added: 1.00 Units: uL

MS Tune Report

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\20190508-80924.b\S4680.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	08-May-2019 19:24:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0080924-002				
Operator ID:	AEM	Instrument ID:	HP5973S		
Method:	\\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	08-May-2019 20:08:05	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:	CTX0301				
First Level Reviewer: milligana		Date:	08-May-2019 20:08:05		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.765	3.765	0.000	0	184542	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

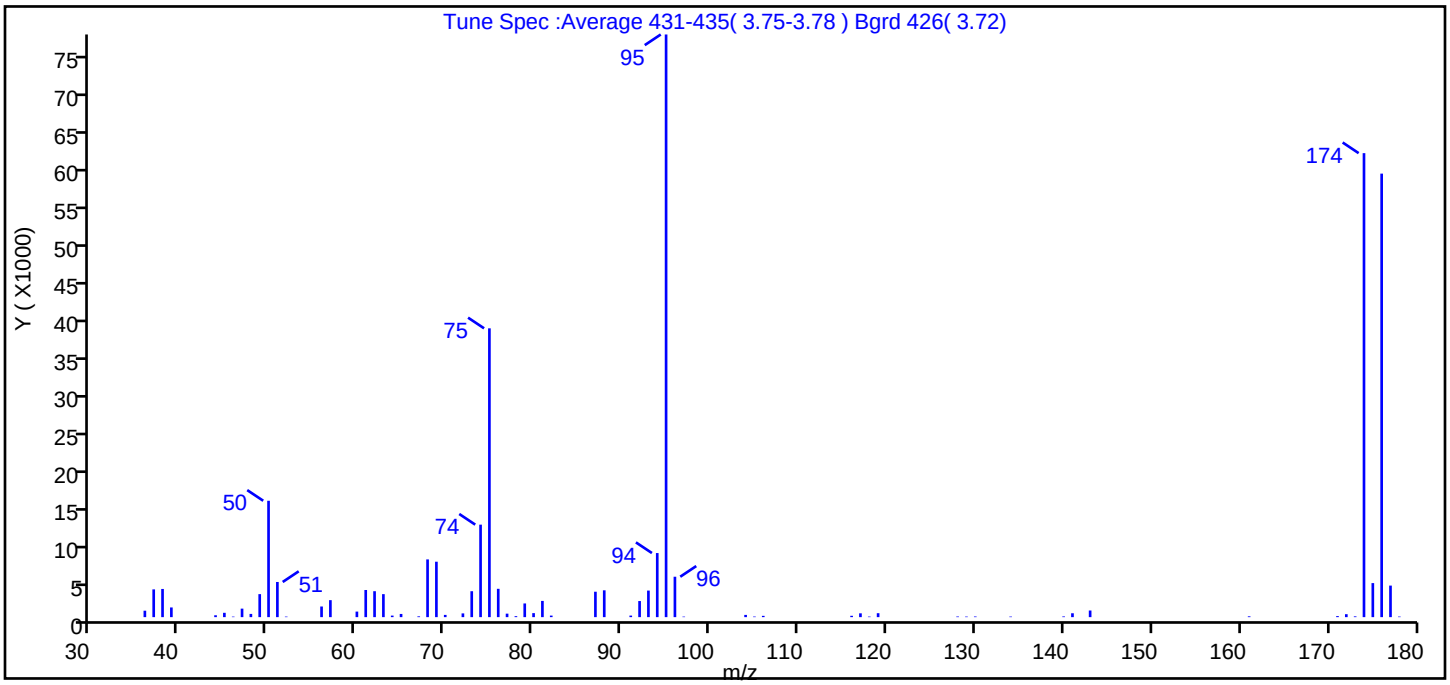
BFB_WRK_00086 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S4680.D
Injection Date: 08-May-2019 19:24:30 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	20.0
75	30 to 60% of m/z 95	49.6
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.1 (0.2)
174	50 to 120% of m/z 95	79.6
175	5 to 9% of m/z 174	5.8 (7.3)
176	Greater than 95% but less than 101% of m/z 174	76.1 (95.6)
177	5 to 9% of m/z 176	5.4 (7.1)

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S4680.D\S-8260.rslt\spectra.d
Injection Date: 08-May-2019 19:24:30
Spectrum: Tune Spec :Average 431-435(3.75-3.78) Bgrd 426(3.72)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 68

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	861	62.00	3467	81.00	2169	119.00	527
37.00	3711	63.00	3075	82.00	207	128.00	85
38.00	3768	64.00	207	87.00	3398	129.00	76
39.00	1296	65.00	427	88.00	3586	130.00	86
44.00	251	67.00	106	91.00	207	134.00	76
45.00	580	68.00	7718	92.00	2153	140.00	95
46.00	71	69.00	7410	93.00	3551	141.00	519
47.00	1138	70.00	300	94.00	8568	143.00	887
48.00	432	72.00	502	95.00	77888	161.00	108
49.00	3076	73.00	3467	96.00	5402	171.00	139
50.00	15557	74.00	12365	97.00	71	172.00	395
51.00	4701	75.00	38608	104.00	299	173.00	103
52.00	73	76.00	3787	105.00	79	174.00	62024
56.00	1423	77.00	467	106.00	172	175.00	4551
57.00	2271	78.00	131	116.00	181	176.00	59288
60.00	743	79.00	1830	117.00	511	177.00	4217
61.00	3629	80.00	537	118.00	75	178.00	76

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4709.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	09-May-2019 07:50:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0080927-002				
Operator ID:	AM	Instrument ID:	HP5973S		
Method:	\\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	09-May-2019 18:41:10	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:	CTX0316				
First Level Reviewer: moffata		Date:	09-May-2019 08:00:15		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.778	3.778	0.000	0	254054	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

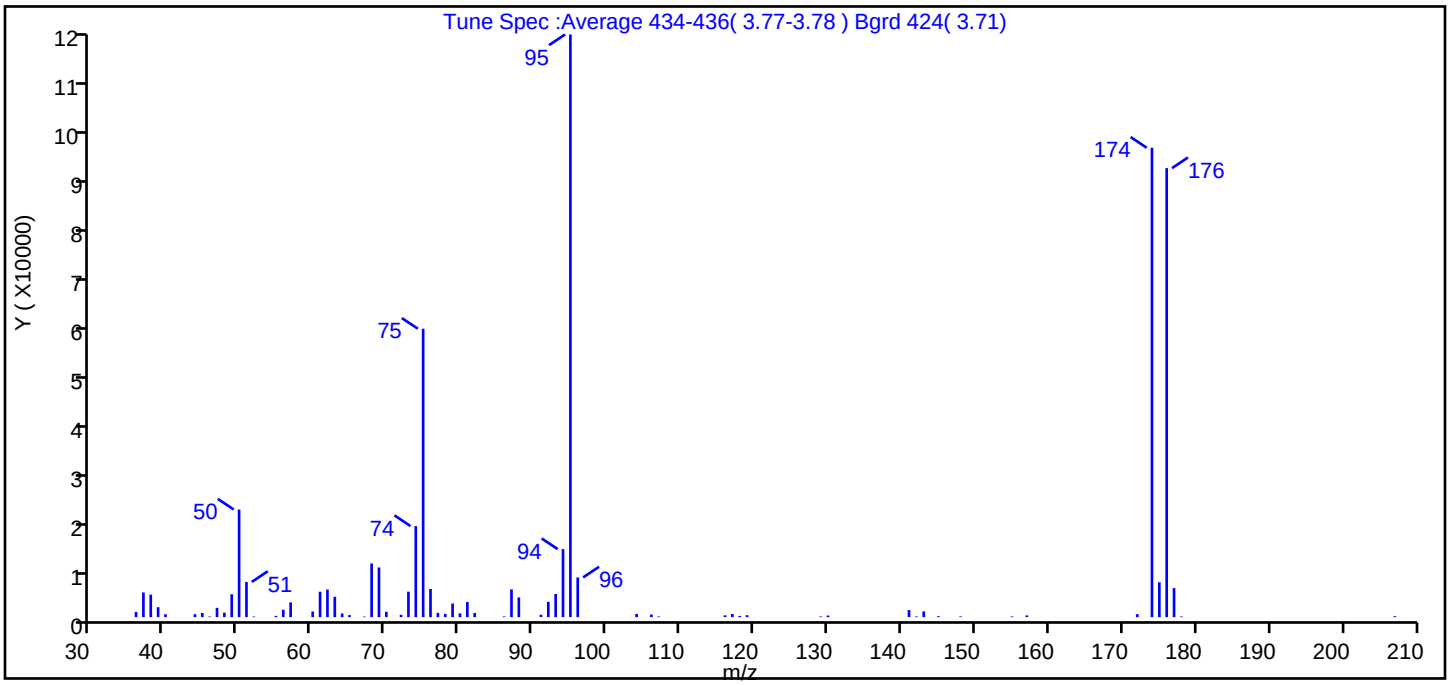
BFB_WRK_00086 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4709.D
Injection Date: 09-May-2019 07:50:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: AM 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	49.5
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	80.6
175	5 to 9% of m/z 174	6.0 (7.4)
176	Greater than 95% but less than 101% of m/z 174	77.1 (95.7)
177	5 to 9% of m/z 176	5.0 (6.5)

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4709.D\S-8260.rslt\spectra.d
Injection Date: 09-May-2019 07:50:30
Spectrum: Tune Spec :Average 434-436(3.77-3.78) Bgrd 424(3.71)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 70

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1004	61.00	4842	81.00	2896	129.00	127
37.00	4704	62.00	5263	82.00	792	130.00	300
38.00	4293	63.00	3876	86.00	133	141.00	1354
39.00	1897	64.00	697	87.00	5285	142.00	138
40.00	547	65.00	391	88.00	3746	143.00	1097
44.00	561	67.00	118	91.00	455	145.00	180
45.00	788	68.00	10229	92.00	2917	148.00	137
46.00	120	69.00	9464	93.00	4415	155.00	139
47.00	1770	70.00	1023	94.00	12960	157.00	329
48.00	863	72.00	440	95.00	111024	172.00	571
49.00	4360	73.00	4854	96.00	7567	174.00	89440
50.00	20504	74.00	17360	104.00	614	175.00	6632
51.00	6709	75.00	54960	106.00	495	176.00	85560
52.00	118	76.00	5366	107.00	128	177.00	5532
55.00	240	77.00	822	116.00	344	178.00	133
56.00	1413	78.00	621	117.00	595	207.00	181
57.00	2805	79.00	2606	118.00	239		
60.00	1070	80.00	719	119.00	371		

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:

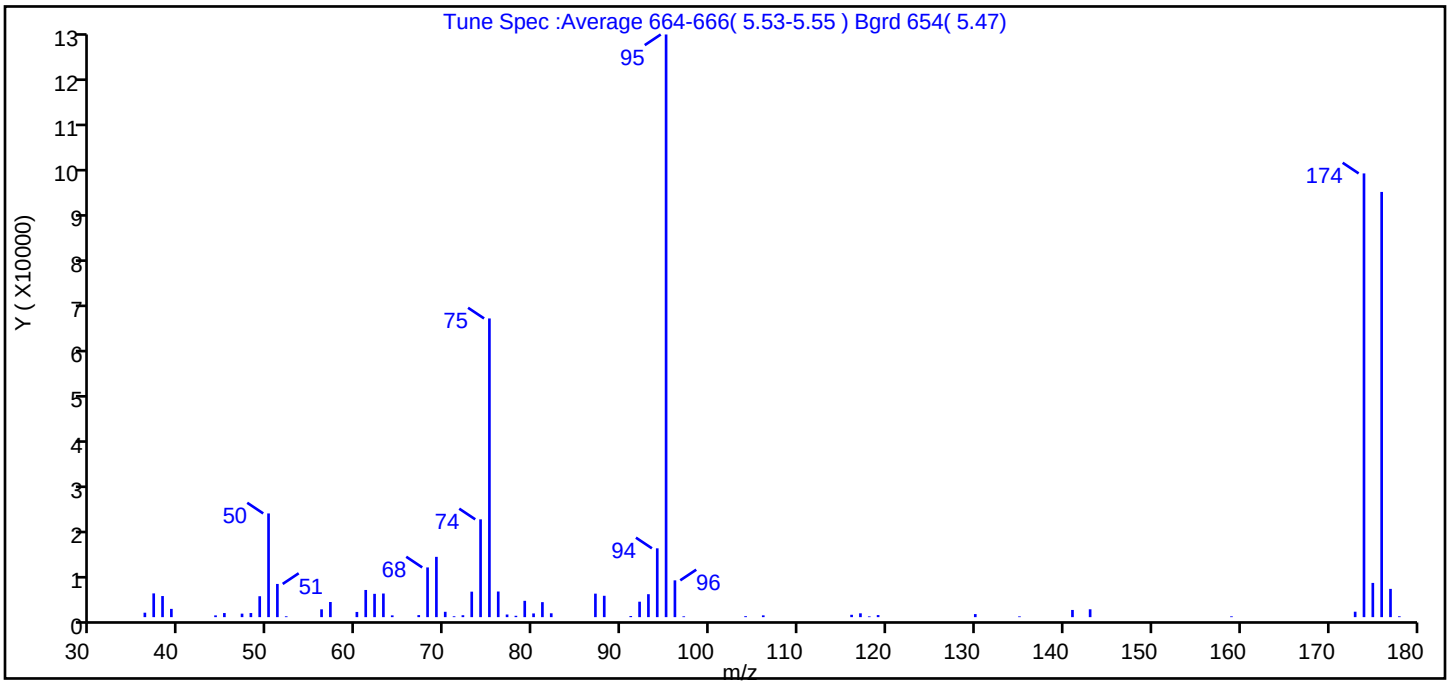
MV_BFB_STK_00073 Amount Added: 1.00 Units: uL

MS Tune Report

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\20190508-80903.b\T0642.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	08-May-2019 09:00:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0080903-002				
Operator ID:	AEM	Instrument ID:	HP5975T		
Method:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	09-May-2019 00:30:31	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:	CTX0301				
First Level Reviewer: nowakk		Date:	08-May-2019 09:10:48		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 5 BFB	95	5.547	5.547	0.000	0	149466	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

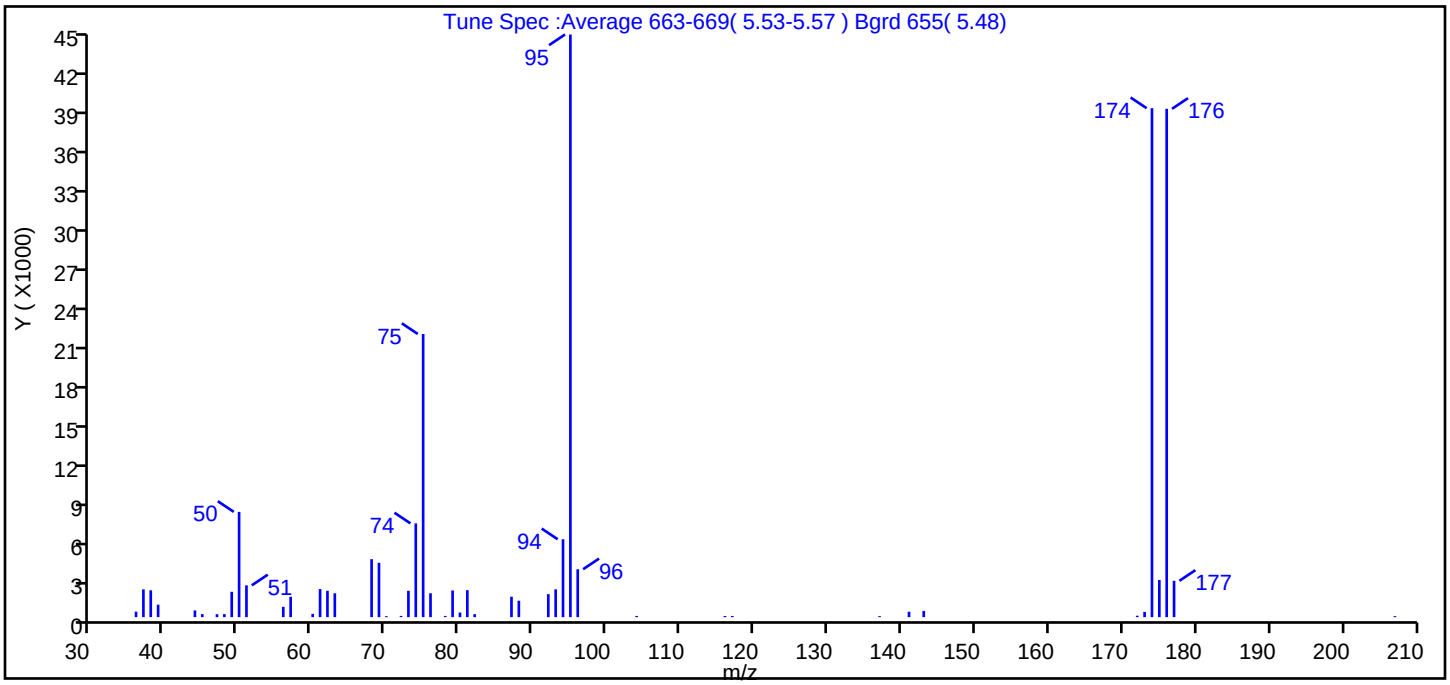
BFB_WRK_00086 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0642.D
Injection Date: 08-May-2019 09:00:30 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	18.1
75	30 to 60% of m/z 95	48.6
96	5 to 9% of m/z 95	8.2
173	Less than 2% of m/z 174	0.9 (1.0)
174	50 to 120% of m/z 95	87.4
175	5 to 9% of m/z 174	6.4 (7.3)
176	Greater than 95% but less than 101% of m/z 174	87.2 (99.9)
177	5 to 9% of m/z 176	6.2 (7.1)

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0642.D\T-8260.rslt\spectra.d
Injection Date: 08-May-2019 09:00:30
Spectrum: Tune Spec :Average 663-669(5.53-5.57) Bgrd 655(5.48)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	421	60.00	253	79.00	2045	117.00	91
37.00	2132	61.00	2154	80.00	353	137.00	77
38.00	2059	62.00	2022	81.00	2070	141.00	415
39.00	957	63.00	1832	82.00	226	143.00	475
44.00	515	68.00	4449	87.00	1567	172.00	109
45.00	231	69.00	4172	88.00	1261	173.00	404
47.00	226	70.00	75	92.00	1766	174.00	39056
48.00	232	72.00	95	93.00	2133	175.00	2848
49.00	1944	73.00	2022	94.00	5977	176.00	39008
50.00	8078	74.00	7194	95.00	44712	177.00	2788
51.00	2441	75.00	21728	96.00	3676	207.00	80
56.00	791	76.00	1831	104.00	94		
57.00	1563	78.00	93	116.00	88		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-471764/7

Matrix: Water Lab File ID: T0647.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 11:03

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.: 471764 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-471764/7

Matrix: Water Lab File ID: T0647.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 11:03

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.: 471764 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0647.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 08-May-2019 11:03:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0080903-007
Operator ID: AEM Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 00:38:33 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: CTX0301

First Level Reviewer: nowakk Date: 08-May-2019 11:36:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.858	4.859	-0.001	98	110632	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	88	421092	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	96	228925	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	91	149473	25.0	26.0	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	174225	25.0	26.1	
$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.000	95	536223	25.0	24.0	
$ 7 4-Bromofluorobenzene (Surr	174	8.081	8.082	-0.001	0	178502	25.0	26.9	
11 Dichlorodifluoromethane	85		1.263					ND	
12 Chlorodifluoromethane	51		1.294					ND	
13 Chloromethane	50		1.408					ND	U
151 Butadiene	54		1.480					ND	U
14 Vinyl chloride	62		1.501					ND	U
15 Bromomethane	94		1.760					ND	
16 Chloroethane	64		1.822					ND	
18 Dichlorofluoromethane	67		2.050					ND	
17 Trichlorofluoromethane	101		2.061					ND	
19 Ethyl ether	59		2.289					ND	
148 Ethanol	45		2.340					ND	
84 Propene oxide	58		2.434					ND	
21 Acrolein	56		2.475					ND	
22 1,1-Dichloroethene	96		2.496					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.506					ND	
23 Acetone	43		2.610					ND	
24 Iodomethane	142		2.651					ND	
25 Carbon disulfide	76		2.682					ND	
26 Isopropyl alcohol	45		2.796					ND	
27 3-Chloro-1-propene	41		2.838					ND	
28 Methyl acetate	43		2.879					ND	
29 Acetonitrile	40		2.921					ND	
30 Methylene Chloride	84		2.973					ND	
31 2-Methyl-2-propanol	59		3.128					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 trans-1,2-Dichloroethene	96		3.169					ND	
33 Methyl tert-butyl ether	73		3.169					ND	
34 Acrylonitrile	53		3.221					ND	
35 Hexane	57		3.335					ND	
36 1,1-Dichloroethane	63		3.532					ND	
37 Isopropyl ether	45		3.553					ND	
139 Halothane	117		3.573					ND	
39 Vinyl acetate	43		3.574					ND	
38 2-Chloro-1,3-butadiene	53		3.594					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		4.030					ND	
45 Ethyl acetate	43		4.061					ND	
46 Propionitrile	54		4.133					ND	
47 Chlorobromomethane	128		4.195					ND	
48 Tetrahydrofuran	42		4.206					ND	
49 Methacrylonitrile	41		4.216					ND	
50 Chloroform	83		4.258					ND	
51 1,1,1-Trichloroethane	97		4.361					ND	
52 Cyclohexane	56		4.361					ND	
53 Carbon tetrachloride	117		4.465					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		4.693					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		4.942					ND	
141 2,4,4-Trimethyl-1-pentene	55		5.035					ND	
60 Trichloroethene	95		5.118					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		5.315					ND	
64 Methyl methacrylate	41		5.377					ND	
65 Dibromomethane	93		5.418					ND	
66 1,4-Dioxane	88		5.418					ND	
67 Dichlorobromomethane	83		5.543					ND	
68 2-Nitropropane	43		5.729					ND	
69 2-Chloroethyl vinyl ether	63		5.739					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		6.071					ND	
74 2-Methylthiophene	97		6.185					ND	
75 trans-1,3-Dichloropropene	75		6.289					ND	
76 3-Methylthiophene	97		6.309					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
77 Ethyl methacrylate	69		6.309					ND	
78 1,1,2-Trichloroethane	83		6.434					ND	
79 Tetrachloroethene	166		6.475					ND	
80 1,3-Dichloropropane	76		6.558					ND	
81 2-Hexanone	43		6.600					ND	
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	U
85 3-Chlorobenzotrifluoride	180		7.138					ND	
86 Chlorobenzene	112		7.170					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		7.854					ND	
94 2-Chlorobenzotrifluoride	180		7.864					ND	
95 Isopropylbenzene	105		7.926					ND	
96 Cyclohexanone	55		8.071					ND	U
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		8.341					ND	
103 3-Chlorotoluene	126		8.392					ND	
104 1,3,5-Trimethylbenzene	105		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		9.284					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		10.766					ND	
121 Naphthalene	128		10.869					ND	
122 1,2,3-Trichlorobenzene	180		11.066					ND	
149 2-Methylnaphthalene	142		11.740					ND	
143 Propene oxide TIC	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
135 Hexachloroethane	117		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	
144 1-Bromopropane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
145 Ethylene oxide TIC	1		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_00188	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00218	Amount Added:	1.00	Units: uL	Run Reagent

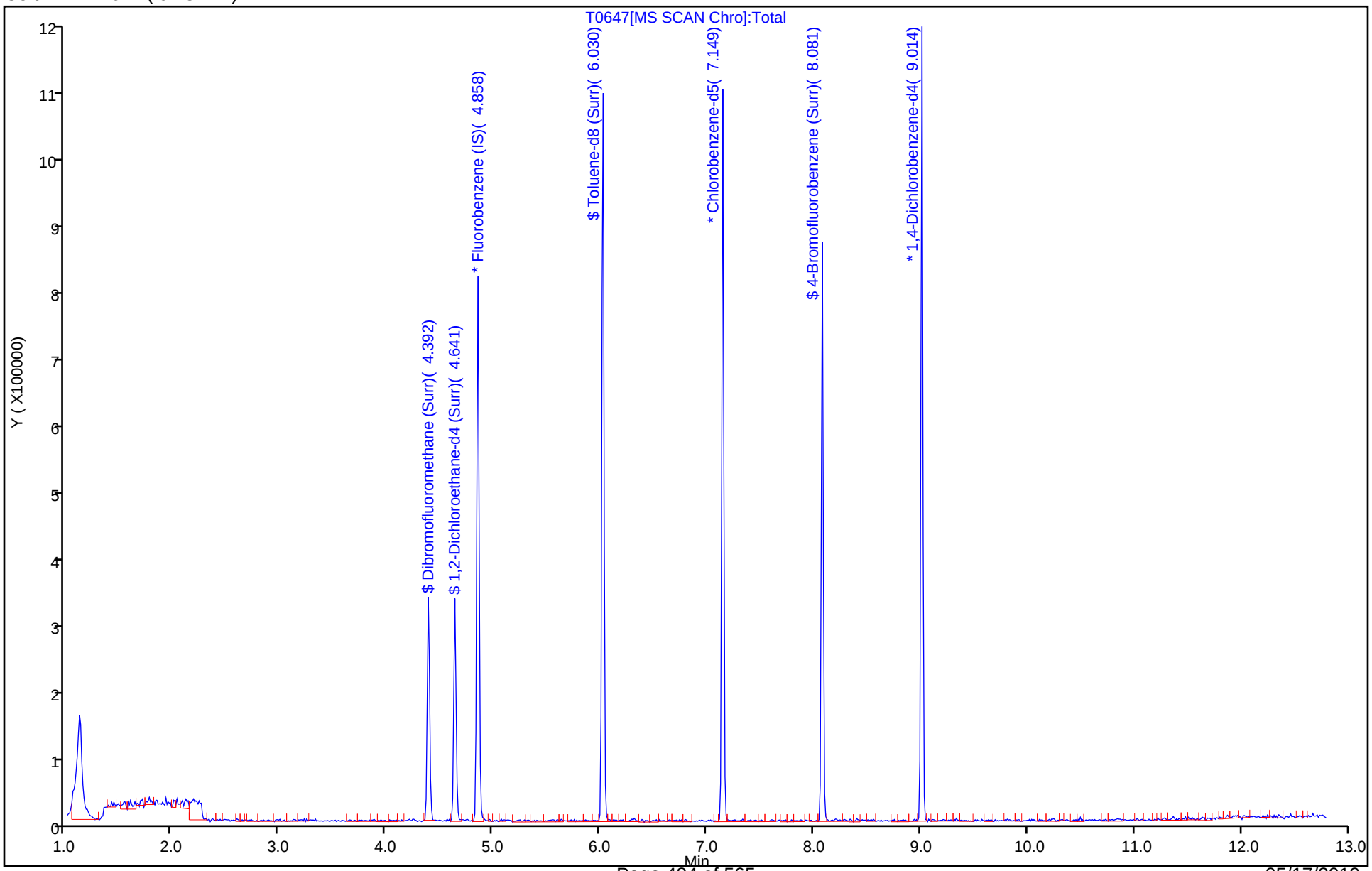
Report Date: 09-May-2019 00:41:46 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0647.D

Injection Date:	08-May-2019 11:03:30	Instrument ID:	HP5975T	Operator ID:	AEM
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)



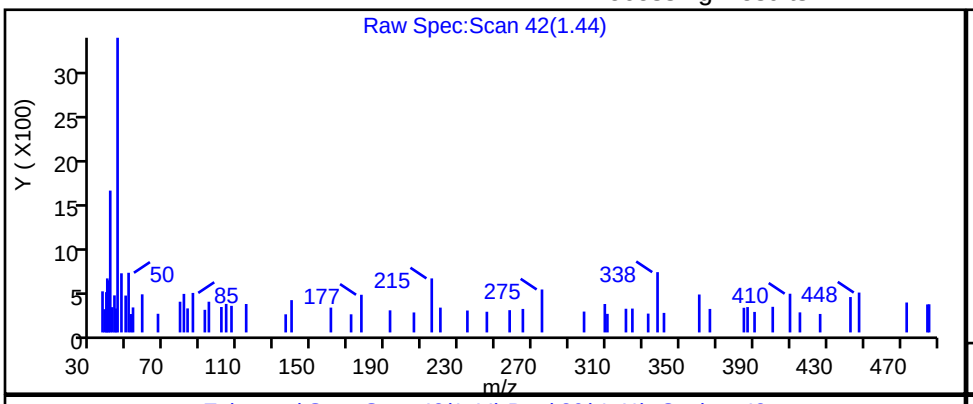
User Disabled Compound Report

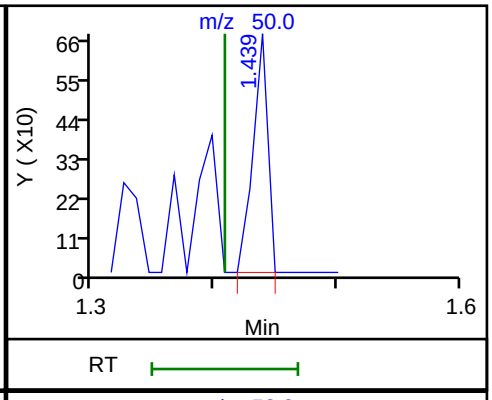
Eurofins TestAmerica, Buffalo

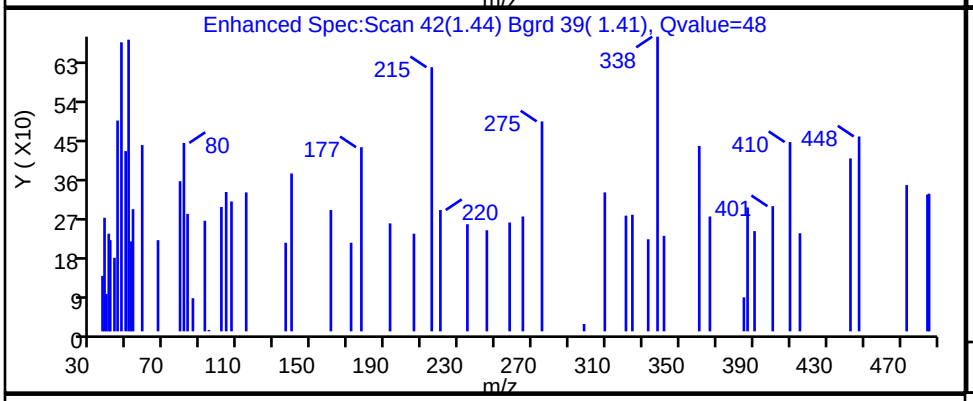
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0647.D
Injection Date: 08-May-2019 11:03:30 Instrument ID: HP5975T
Lims ID: MB
Client ID:
Operator ID: AEM ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

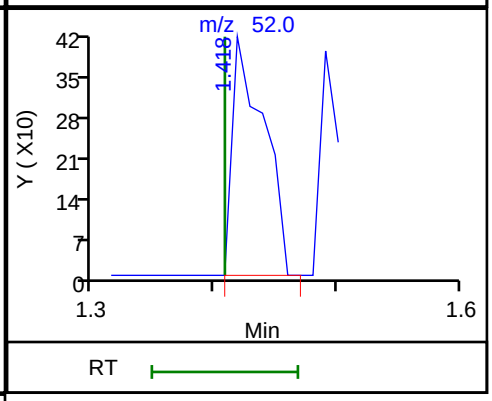
13 Chloromethane, CAS: 74-87-3

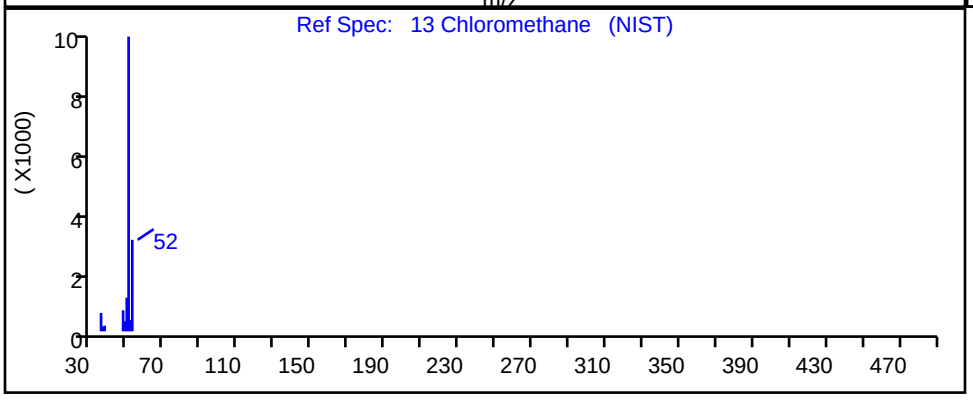
Processing Results











RT	Mass	Response	Amount
1.44	50.00	569	0.072425
1.42	52.00	752	

Reviewer: nowakk, 08-May-2019 11:19:31
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

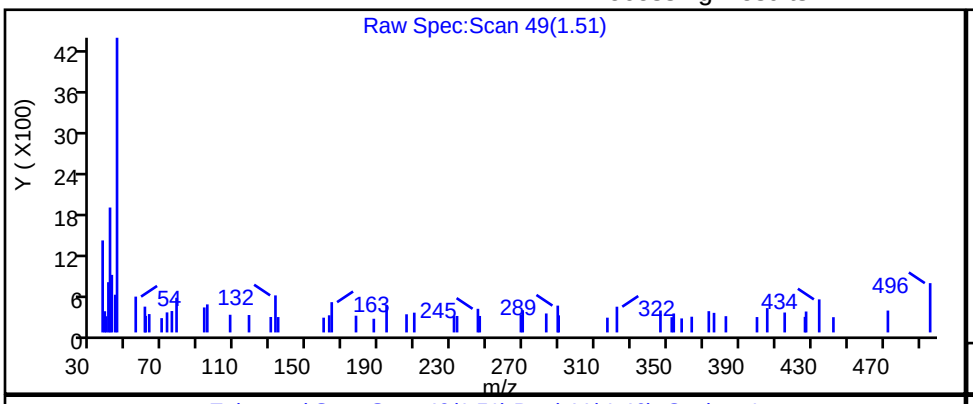
User Disabled Compound Report

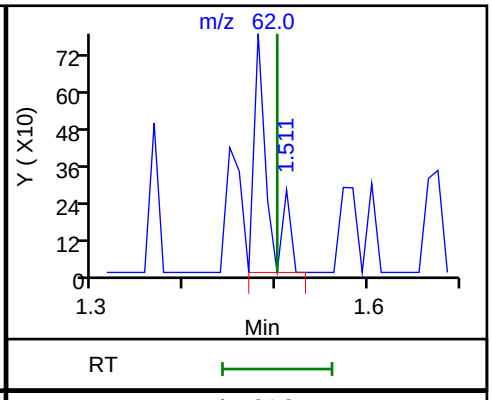
Eurofins TestAmerica, Buffalo

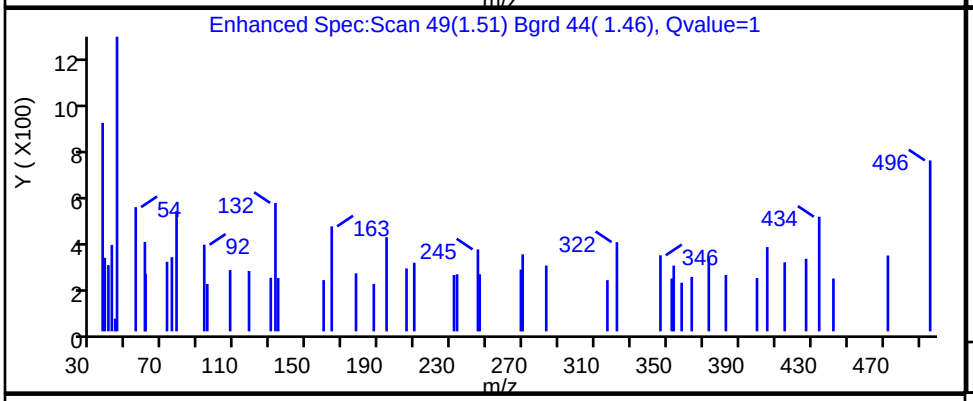
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0647.D				
Injection Date:	08-May-2019 11:03:30	Instrument ID:	HP5975T		
Lims ID:	MB				
Client ID:					
Operator ID:	AEM	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

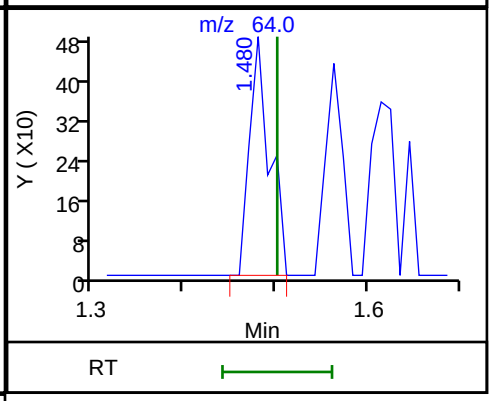
14 Vinyl chloride, CAS: 75-01-4

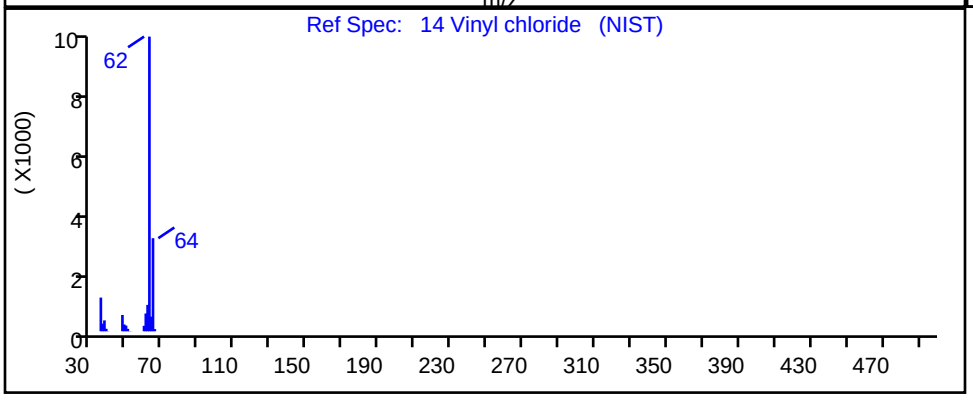
Processing Results











RT	Mass	Response	Amount
1.51	62.00	802	0.112500
1.48	64.00	749	

Reviewer: nowakk, 08-May-2019 11:19:35

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.: 480-152814-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-471924/7

Matrix: Water Lab File ID: S4685.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 21:22

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.: 471924 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-471924/7

Matrix: Water Lab File ID: S4685.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 21:22

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.: 471924 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	87		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S4685.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 08-May-2019 21:22:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0080924-007
Operator ID: AEM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 02:30:01 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: CTX0301

First Level Reviewer: milligana Date: 09-May-2019 02:30:01

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	109719	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	84	247423	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.845	0.006	95	221958	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	57	141792	25.0	23.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.193	0.000	92	96067	25.0	25.9	
$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	93	578326	25.0	23.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	90	165356	25.0	21.8	
10 Dichlorodifluoromethane	85		1.276					ND	
11 Chlorodifluoromethane	51		1.294					ND	
12 Chloromethane	50		1.458					ND	
13 Vinyl chloride	62		1.555					ND	
151 Butadiene	54		1.555					ND	
14 Bromomethane	94		1.841					ND	
15 Chloroethane	64		1.945					ND	
17 Trichlorofluoromethane	101		2.164					ND	
16 Dichlorofluoromethane	67		2.170					ND	
18 Ethyl ether	59		2.450					ND	
148 Ethanol	45		2.456					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		2.681					ND	
23 Acetone	43		2.802					ND	
25 Iodomethane	142		2.876					ND	
26 Carbon disulfide	76		2.876					ND	
24 Isopropyl alcohol	45		2.997					ND	
28 3-Chloro-1-propene	41		3.052					ND	
27 Methyl acetate	43		3.101					ND	
29 Acetonitrile	40		3.131					ND	U
30 Methylene Chloride	84		3.204					ND	
31 2-Methyl-2-propanol	59		3.380					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		3.417					ND	
34 trans-1,2-Dichloroethene	96		3.429					ND	
33 Acrylonitrile	53		3.496					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		3.867					ND	
37 Vinyl acetate	43		3.910					ND	
40 2-Chloro-1,3-butadiene	53		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		4.409					ND	
43 2-Butanone (MEK)	43		4.457					ND	
42 Ethyl acetate	43		4.476					ND	
46 Propionitrile	54		4.567					ND	
48 Chlorobromomethane	128		4.652					ND	
49 Tetrahydrofuran	42		4.670					ND	
47 Methacrylonitrile	41		4.670					ND	
50 Chloroform	83	4.731	4.731	0.000	0	1368		0.1154	
51 1,1,1-Trichloroethane	97		4.834					ND	
52 Cyclohexane	56		4.847					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.871					ND	
55 Carbon tetrachloride	117		4.974					ND	
54 1,1-Dichloropropene	75		4.993					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		5.230					ND	
58 1,2-Dichloroethane	62		5.272					ND	
56 Tert-amyl methyl ether	73		5.272					ND	
147 t-Amyl alcohol	59		5.279					ND	
59 n-Heptane	43		5.364					ND	
1 1,4-Difluorobenzene	114		5.583					ND	
62 Trichloroethene	95		5.808					ND	
60 n-Butanol	56		5.850					ND	
64 Methylcyclohexane	83		5.923					ND	
142 Ethyl acrylate	55		5.923					ND	
65 1,2-Dichloropropane	63		6.051					ND	
63 Methyl methacrylate	41		6.148					ND	
67 Dibromomethane	93		6.197					ND	
66 1,4-Dioxane	88		6.203					ND	
68 Dichlorobromomethane	83		6.343					ND	
70 2-Nitropropane	43		6.611					ND	
69 2-Chloroethyl vinyl ether	63		6.623					ND	
71 Epichlorohydrin	57		6.721					ND	
72 cis-1,3-Dichloropropene	75		6.763					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		7.523					ND	
81 Tetrachloroethene	166		7.578					ND	
82 1,3-Dichloropropane	76		7.688					ND	
80 2-Hexanone	43		7.748					ND	
155 n-Butyl acetate	43		7.846					ND	
83 Chlorodibromomethane	129		7.913					ND	
84 Ethylene Dibromide	107		8.016					ND	
146 1-Chlorohexane	55		8.442					ND	U
85 3-Chlorobenzotrifluoride	180		8.466					ND	
87 Chlorobenzene	112		8.491					ND	
86 4-Chlorobenzotrifluoride	180		8.521					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		9.415					ND	
93 2-Chlorobenzotrifluoride	180		9.446					ND	
94 Isopropylbenzene	105		9.519					ND	
96 Cyclohexanone	55		9.695					ND	
101 Bromobenzene	156		9.859					ND	
97 1,1,2,2-Tetrachloroethane	83		9.926					ND	
99 N-Propylbenzene	91		9.945					ND	
100 1,2,3-Trichloropropane	110		9.963					ND	
98 trans-1,4-Dichloro-2-buten	53		9.969					ND	
103 2-Chlorotoluene	126		10.048					ND	
102 1,3,5-Trimethylbenzene	105		10.121					ND	
104 3-Chlorotoluene	126		10.121					ND	
105 4-Chlorotoluene	126		10.164					ND	
106 tert-Butylbenzene	134		10.437					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		10.778					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		11.028					ND	
115 n-Butylbenzene	91		11.174					ND	
116 1,2-Dichlorobenzene	146		11.222					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.958					ND	
118 1,3,5-Trichlorobenzene	180		12.080					ND	
119 1,2,4-Trichlorobenzene	180		12.627					ND	
120 Hexachlorobutadiene	225		12.731					ND	
121 Naphthalene	128		12.840					ND	
122 1,2,3-Trichlorobenzene	180		13.041					ND	
149 2-Methylnaphthalene	142		13.747					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
135 Hexachloroethane	117		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
134 Pentachloroethane TIC	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 123 Total BTEX	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

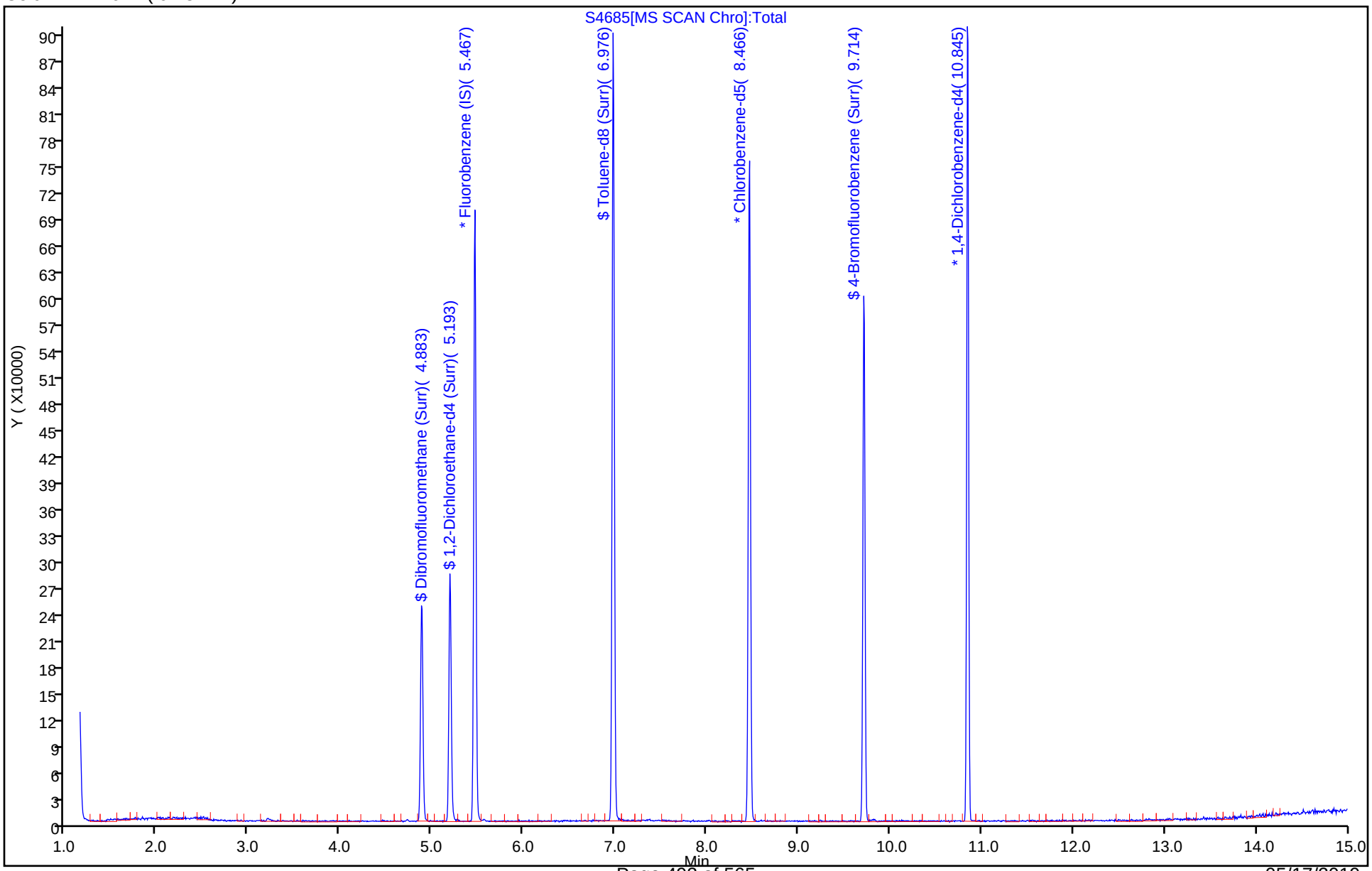
Report Date: 09-May-2019 02:30:02 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S4685.D

Injection Date:	08-May-2019 21:22:30	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.: 480-152814-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-471956/7

Matrix: Water Lab File ID: S4714.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 09:48

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.: 471956 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-471956/7

Matrix: Water Lab File ID: S4714.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 09:48

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.: 471956 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4714.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 09-May-2019 09:48:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0080927-007
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 18:59:01 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: CTX0316

First Level Reviewer: moffata Date: 09-May-2019 10:46:55

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	110134	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	86	233118	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	95	220682	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.889	4.889	0.000	58	140234	25.0	23.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.199	5.194	0.005	97	91559	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	93	570554	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	89	163424	25.0	22.9	
10 Dichlorodifluoromethane	85		1.276					ND	
11 Chlorodifluoromethane	51		1.300					ND	
12 Chloromethane	50		1.458					ND	
13 Vinyl chloride	62		1.549					ND	
151 Butadiene	54		1.556					ND	
14 Bromomethane	94		1.848					ND	
15 Chloroethane	64		1.945					ND	
16 Dichlorofluoromethane	67		2.164					ND	
17 Trichlorofluoromethane	101		2.170					ND	
18 Ethyl ether	59		2.456					ND	
148 Ethanol	45		2.462					ND	
19 Propene oxide	58		2.547					ND	
20 Acrolein	56		2.638					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.675					ND	
22 1,1-Dichloroethene	96		2.681					ND	
23 Acetone	43		2.803					ND	
25 Iodomethane	142		2.864					ND	
26 Carbon disulfide	76		2.882					ND	
24 Isopropyl alcohol	45		2.997					ND	
28 3-Chloro-1-propene	41		3.052					ND	
27 Methyl acetate	43		3.101					ND	
29 Acetonitrile	40		3.131					ND	U
30 Methylene Chloride	84		3.198					ND	
31 2-Methyl-2-propanol	59		3.381					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		3.423					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		3.952					ND	
41 Tert-butyl ethyl ether	59		4.208					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		4.488					ND	
46 Propionitrile	54		4.567					ND	
48 Chlorobromomethane	128		4.652					ND	
49 Tetrahydrofuran	42		4.664					ND	
47 Methacrylonitrile	41		4.670					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		4.968					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	
58 1,2-Dichloroethane	62		5.267					ND	
56 Tert-amyl methyl ether	73		5.273					ND	
147 t-Amyl alcohol	59		5.285					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		5.844					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		6.155					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		6.623					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		8.454					ND	U
85 3-Chlorobenzotrifluoride	180		8.466					ND	
87 Chlorobenzene	112		8.491					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		9.440					ND	
94 Isopropylbenzene	105		9.513					ND	
96 Cyclohexanone	55		9.707					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		10.109					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		10.869					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		12.086					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	
144 1-Bromopropane TIC	1		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
143 Propene oxide TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		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

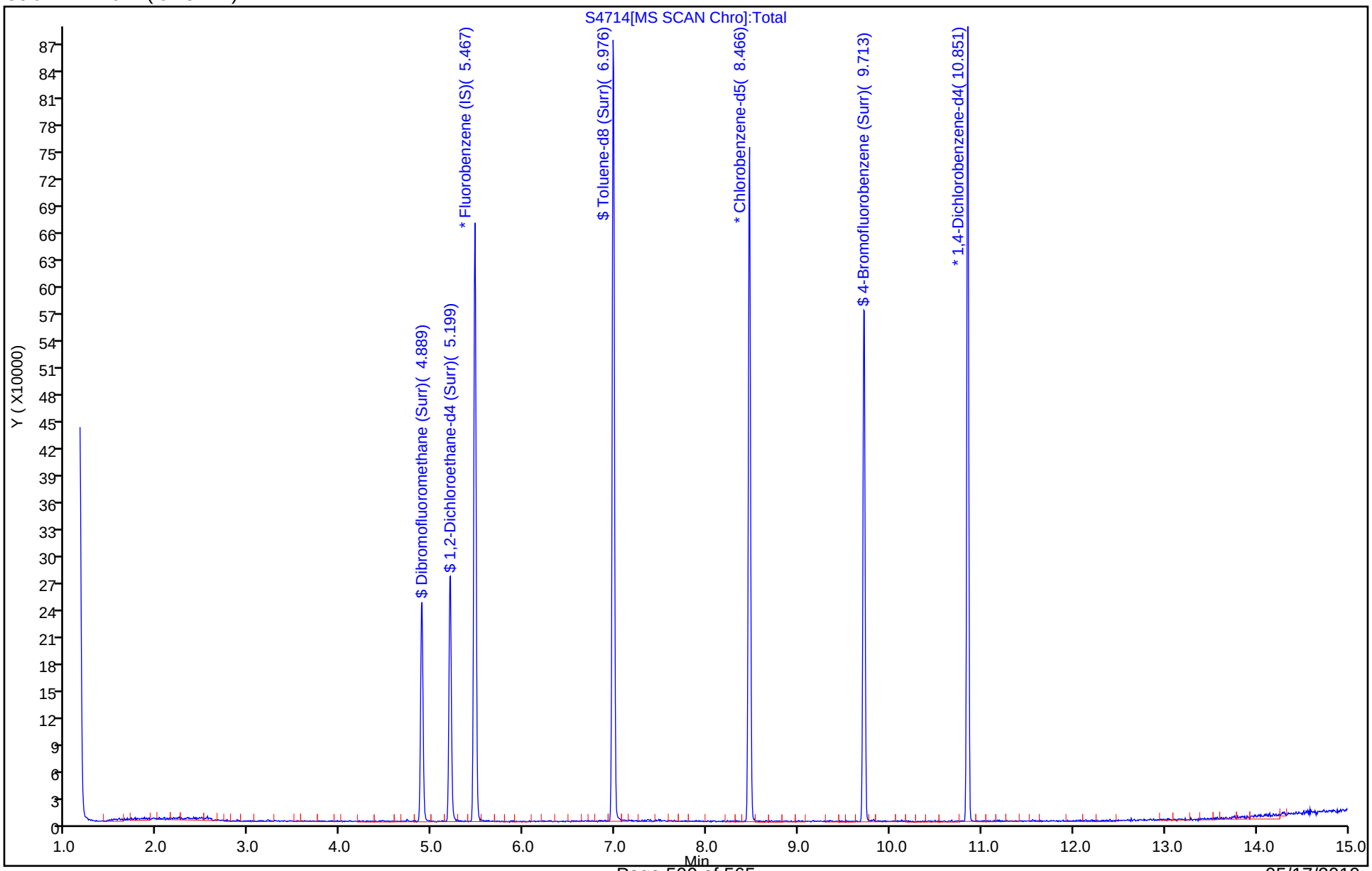
Report Date: 09-May-2019 19:00:30 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4714.D

Injection Date:	09-May-2019 09:48:30	Instrument ID:	HP5973S	Operator ID:	AM
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.: 480-152814-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-471764/5

Matrix: Water Lab File ID: T0645.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 10:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	29.1		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.1		1.0	0.21
79-00-5	1,1,2-Trichloroethane	25.8		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25.0		1.0	0.31
75-34-3	1,1-Dichloroethane	26.7		1.0	0.38
75-35-4	1,1-Dichloroethene	23.2		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.0		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	24.0		1.0	0.39
95-50-1	1,2-Dichlorobenzene	26.2		1.0	0.79
107-06-2	1,2-Dichloroethane	26.2		1.0	0.21
78-87-5	1,2-Dichloropropane	27.1		1.0	0.72
541-73-1	1,3-Dichlorobenzene	26.3		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.3		1.0	0.84
78-93-3	2-Butanone (MEK)	124		10	1.3
591-78-6	2-Hexanone	144		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	135		5.0	2.1
67-64-1	Acetone	125		10	3.0
71-43-2	Benzene	25.2		1.0	0.41
75-27-4	Bromodichloromethane	27.0		1.0	0.39
75-25-2	Bromoform	41.1		1.0	0.26
74-83-9	Bromomethane	24.7		1.0	0.69
75-15-0	Carbon disulfide	25.3		1.0	0.19
56-23-5	Carbon tetrachloride	31.5		1.0	0.27
108-90-7	Chlorobenzene	25.5		1.0	0.75
124-48-1	Dibromochloromethane	34.9		1.0	0.32
75-00-3	Chloroethane	30.7		1.0	0.32
67-66-3	Chloroform	27.4		1.0	0.34
74-87-3	Chloromethane	28.3		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	23.6		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	29.2		1.0	0.36
110-82-7	Cyclohexane	29.7		1.0	0.18
75-71-8	Dichlorodifluoromethane	27.7		1.0	0.68
100-41-4	Ethylbenzene	27.0		1.0	0.74
106-93-4	1,2-Dibromoethane	25.1		1.0	0.73
98-82-8	Isopropylbenzene	25.8		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-471764/5

Matrix: Water Lab File ID: T0645.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 10:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	44.5		2.5	1.3
1634-04-4	Methyl tert-butyl ether	23.0		1.0	0.16
108-87-2	Methylcyclohexane	27.7		1.0	0.16
75-09-2	Methylene Chloride	22.9		1.0	0.44
100-42-5	Styrene	27.2		1.0	0.73
127-18-4	Tetrachloroethene	30.3		1.0	0.36
108-88-3	Toluene	27.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.4		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.7		1.0	0.37
79-01-6	Trichloroethene	26.2		1.0	0.46
75-69-4	Trichlorofluoromethane	23.4		1.0	0.88
75-01-4	Vinyl chloride	26.0		1.0	0.90
1330-20-7	Xylenes, Total	54.4		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0645.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 08-May-2019 10:15:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0080903-005
Operator ID: AEM Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 00:38:33 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: CTX0301

First Level Reviewer: nowakk Date: 08-May-2019 10:41:56

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	121963	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	87	447406	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	95	251354	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.392	4.392	0.000	90	150362	25.0	23.7	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.641	4.641	0.000	0	190774	25.0	25.9	
$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.000	96	591440	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.082	0.000	0	191745	25.0	27.2	
11 Dichlorodifluoromethane	85	1.263	1.263	0.000	98	183370	25.0	27.7	
13 Chloromethane	50	1.429	1.408	0.021	99	245410	25.0	28.3	
151 Butadiene	54	1.491	1.480	0.011	93	224454	25.0	30.4	
14 Vinyl chloride	62	1.511	1.501	0.010	98	204196	25.0	26.0	
15 Bromomethane	94	1.781	1.760	0.021	93	163842	25.0	24.7	
16 Chloroethane	64	1.843	1.822	0.021	98	139022	25.0	30.7	
18 Dichlorofluoromethane	67	2.071	2.050	0.021	95	304806	25.0	26.2	
17 Trichlorofluoromethane	101	2.081	2.061	0.020	63	280473	25.0	23.4	
19 Ethyl ether	59	2.299	2.289	0.010	94	113822	25.0	20.7	
21 Acrolein	56	2.475	2.475	0.000	99	99070	125.0	97.4	
22 1,1-Dichloroethene	96	2.517	2.496	0.021	95	132122	25.0	23.2	
20 1,1,2-Trichloro-1,2,2-trif	101	2.517	2.506	0.011	59	134511	25.0	25.0	
23 Acetone	43	2.620	2.610	0.010	98	221656	125.0	125.0	
24 Iodomethane	142	2.662	2.651	0.011	99	251309	25.0	23.3	
25 Carbon disulfide	76	2.693	2.682	0.011	99	486704	25.0	25.3	
27 3-Chloro-1-propene	41	2.848	2.838	0.010	86	248301	25.0	23.8	
28 Methyl acetate	43	2.890	2.879	0.011	99	202058	50.0	44.5	
30 Methylene Chloride	84	2.983	2.973	0.010	98	166403	25.0	22.9	
31 2-Methyl-2-propanol	59	3.138	3.128	0.010	62	95244	250.0	234.4	
32 trans-1,2-Dichloroethene	96	3.180	3.169	0.011	96	155250	25.0	23.4	
33 Methyl tert-butyl ether	73	3.180	3.169	0.011	94	371900	25.0	23.0	
34 Acrylonitrile	53	3.232	3.221	0.011	96	504336	250.0	217.1	
35 Hexane	57	3.335	3.335	0.000	96	256877	25.0	29.2	
36 1,1-Dichloroethane	63	3.543	3.532	0.011	97	296052	25.0	26.7	

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	3.584	3.574	0.010	98	553605	50.0	54.1	
42 2,2-Dichloropropane	77	3.988	3.988	0.000	86	197531	25.0	25.9	
43 cis-1,2-Dichloroethene	96	4.009	4.009	0.000	87	170050	25.0	23.6	
44 2-Butanone (MEK)	43	4.030	4.030	0.000	98	347176	125.0	123.6	
47 Chlorobromomethane	128	4.206	4.195	0.011	94	84399	25.0	23.2	
48 Tetrahydrofuran	42	4.216	4.206	0.010	88	84941	50.0	45.2	
50 Chloroform	83	4.268	4.258	0.010	96	302105	25.0	27.4	
52 Cyclohexane	56	4.361	4.361	0.000	95	308363	25.0	29.7	
51 1,1,1-Trichloroethane	97	4.361	4.361	0.000	95	231570	25.0	29.1	
53 Carbon tetrachloride	117	4.475	4.465	0.010	95	168343	25.0	31.5	
54 1,1-Dichloropropene	75	4.475	4.475	0.000	91	218901	25.0	25.8	
55 Benzene	78	4.641	4.641	0.000	96	641750	25.0	25.2	
56 Isobutyl alcohol	43	4.651	4.651	0.000	92	99704	625.0	693.3	
57 1,2-Dichloroethane	62	4.703	4.693	0.010	96	243223	25.0	26.2	
59 n-Heptane	43	4.776	4.776	0.000	91	284837	25.0	29.2	
60 Trichloroethene	95	5.128	5.118	0.010	94	170309	25.0	26.2	
62 Methylcyclohexane	83	5.221	5.221	0.000	93	281812	25.0	27.7	
63 1,2-Dichloropropane	63	5.315	5.315	0.000	88	168872	25.0	27.1	
65 Dibromomethane	93	5.429	5.418	0.011	93	110903	25.0	27.2	
66 1,4-Dioxane	88	5.429	5.418	0.011	39	25481	500.0	440.9	M
67 Dichlorobromomethane	83	5.543	5.543	0.000	95	198924	25.0	27.0	
69 2-Chloroethyl vinyl ether	63	5.750	5.739	0.011	94	103438	25.0	25.1	
71 cis-1,3-Dichloropropene	75	5.854	5.853	0.001	90	251001	25.0	29.2	
72 4-Methyl-2-pentanone (MIBK	43	5.968	5.967	0.001	99	747919	125.0	134.9	
73 Toluene	92	6.082	6.071	0.011	98	425685	25.0	27.8	
75 trans-1,3-Dichloropropene	75	6.289	6.289	0.000	97	198131	25.0	26.7	
77 Ethyl methacrylate	69	6.310	6.309	0.001	90	163549	25.0	29.7	
78 1,1,2-Trichloroethane	83	6.434	6.434	0.000	93	117643	25.0	25.8	
79 Tetrachloroethene	166	6.475	6.475	0.000	92	181700	25.0	30.3	
80 1,3-Dichloropropane	76	6.558	6.558	0.000	93	243432	25.0	27.1	
81 2-Hexanone	43	6.600	6.600	0.000	99	513125	125.0	143.7	
82 Chlorodibromomethane	129	6.734	6.734	0.000	88	131530	25.0	34.9	
83 Ethylene Dibromide	107	6.817	6.817	0.000	98	132601	25.0	25.1	
86 Chlorobenzene	112	7.170	7.170	0.000	94	450304	25.0	25.5	
88 Ethylbenzene	91	7.232	7.232	0.000	98	765414	25.0	27.0	
89 1,1,1,2-Tetrachloroethane	131	7.242	7.242	0.000	87	132331	25.0	30.4	
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	302030	25.0	26.9	
91 o-Xylene	106	7.646	7.646	0.000	97	299250	25.0	27.5	
92 Styrene	104	7.667	7.667	0.000	96	504924	25.0	27.2	
93 Bromoform	173	7.854	7.854	0.000	93	73568	25.0	41.1	
95 Isopropylbenzene	105	7.926	7.926	0.000	97	758953	25.0	25.8	
97 Bromobenzene	156	8.206	8.206	0.000	94	202740	25.0	26.3	
98 1,1,2,2-Tetrachloroethane	83	8.237	8.237	0.000	94	174511	25.0	25.1	
99 N-Propylbenzene	91	8.258	8.258	0.000	99	937218	25.0	25.5	
100 1,2,3-Trichloropropane	110	8.268	8.268	0.000	91	51606	25.0	21.4	
101 trans-1,4-Dichloro-2-buten	53	8.268	8.268	0.000	69	39974	25.0	19.7	
105 2-Chlorotoluene	126	8.341	8.341	0.000	95	186038	25.0	24.3	
104 1,3,5-Trimethylbenzene	105	8.392	8.392	0.000	96	653201	25.0	25.0	
102 4-Chlorotoluene	91	8.434	8.434	0.000	98	560257	25.0	24.8	
106 tert-Butylbenzene	134	8.652	8.651	0.001	94	138531	25.0	24.6	
107 1,2,4-Trimethylbenzene	105	8.703	8.703	0.000	98	667552	25.0	25.3	
109 sec-Butylbenzene	105	8.828	8.828	0.000	95	857017	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
111 4-Isopropyltoluene	119	8.952	8.952	0.000	97	739854	25.0	26.9	
110 1,3-Dichlorobenzene	146	8.962	8.962	0.000	98	398445	25.0	26.3	
113 1,4-Dichlorobenzene	146	9.035	9.035	0.000	95	401429	25.0	26.3	
115 n-Butylbenzene	91	9.284	9.284	0.000	98	698233	25.0	26.3	
116 1,2-Dichlorobenzene	146	9.346	9.346	0.000	97	385811	25.0	26.2	
117 1,2-Dibromo-3-Chloropropan	75	10.019	10.019	0.000	78	21246	25.0	24.0	
119 1,2,4-Trichlorobenzene	180	10.662	10.662	0.000	94	281004	25.0	26.0	
120 Hexachlorobutadiene	225	10.766	10.766	0.000	94	133217	25.0	28.7	
121 Naphthalene	128	10.869	10.869	0.000	97	595734	25.0	23.3	
122 1,2,3-Trichlorobenzene	180	11.066	11.066	0.000	95	265213	25.0	25.6	

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	
T_8260_Surr_00188	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00218	Amount Added:	1.00	Units: uL	Run Reagent

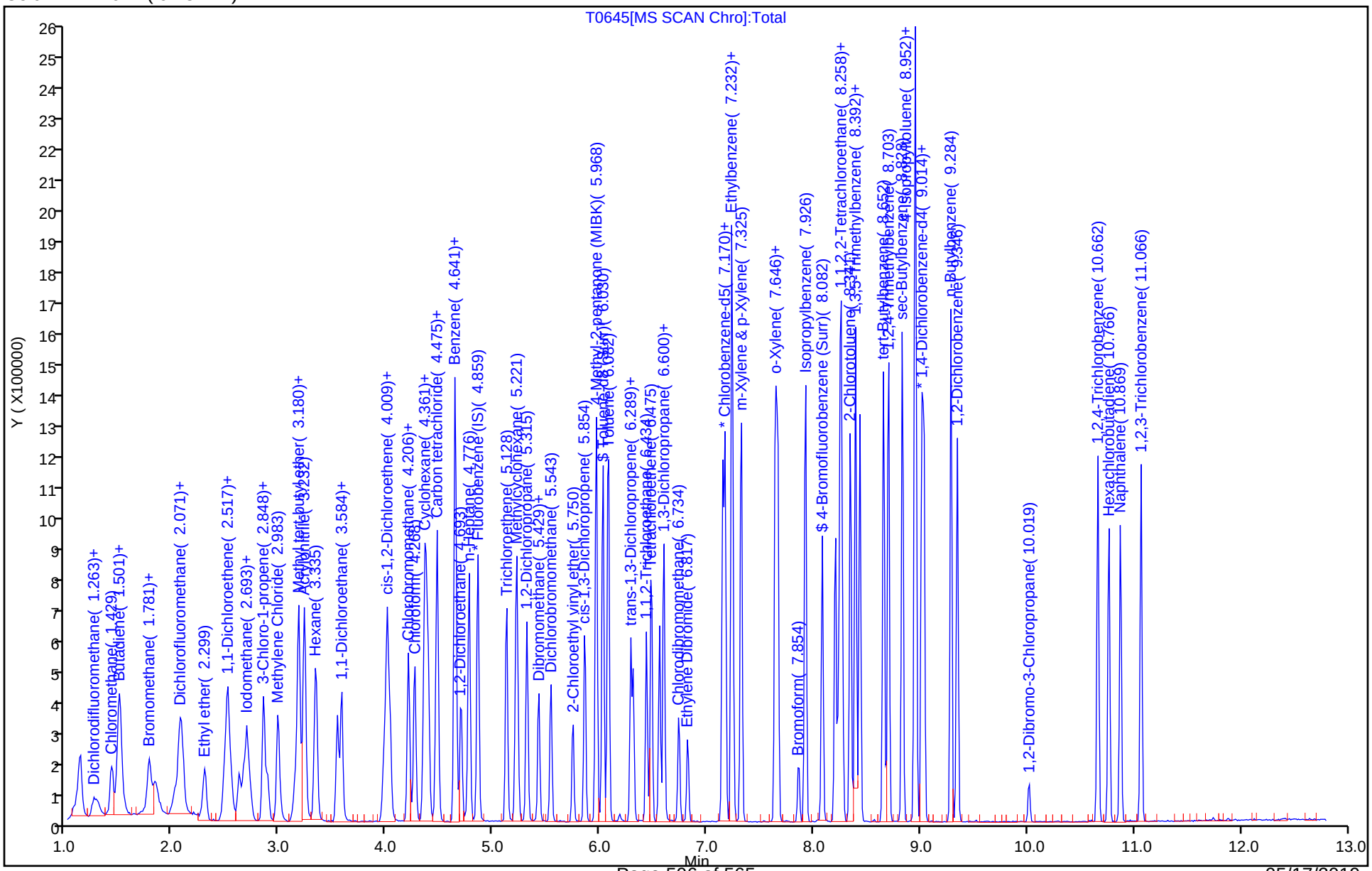
Report Date: 09-May-2019 00:39:40 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0645.D

Injection Date:	08-May-2019 10:15:30	Instrument ID:	HP5975T	Operator ID:	AEM
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)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-471924/5

Matrix: Water Lab File ID: S4683.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 20:35

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.: 471924 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	23.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.3		1.0	0.21
79-00-5	1,1,2-Trichloroethane	25.6		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25.9		1.0	0.31
75-34-3	1,1-Dichloroethane	23.4		1.0	0.38
75-35-4	1,1-Dichloroethene	24.2		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	21.5		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	22.4		1.0	0.39
95-50-1	1,2-Dichlorobenzene	23.1		1.0	0.79
107-06-2	1,2-Dichloroethane	21.1		1.0	0.21
78-87-5	1,2-Dichloropropane	26.4		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.4		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.7		1.0	0.84
78-93-3	2-Butanone (MEK)	117		10	1.3
591-78-6	2-Hexanone	126		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	114		5.0	2.1
67-64-1	Acetone	119		10	3.0
71-43-2	Benzene	24.8		1.0	0.41
75-27-4	Bromodichloromethane	24.6		1.0	0.39
75-25-2	Bromoform	24.5		1.0	0.26
74-83-9	Bromomethane	25.5		1.0	0.69
75-15-0	Carbon disulfide	24.7		1.0	0.19
56-23-5	Carbon tetrachloride	24.3		1.0	0.27
108-90-7	Chlorobenzene	24.0		1.0	0.75
124-48-1	Dibromochloromethane	25.2		1.0	0.32
75-00-3	Chloroethane	26.8		1.0	0.32
67-66-3	Chloroform	21.8		1.0	0.34
74-87-3	Chloromethane	29.3		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	21.8		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.7		1.0	0.36
110-82-7	Cyclohexane	26.2		1.0	0.18
75-71-8	Dichlorodifluoromethane	32.3		1.0	0.68
100-41-4	Ethylbenzene	23.8		1.0	0.74
106-93-4	1,2-Dibromoethane	24.1		1.0	0.73
98-82-8	Isopropylbenzene	24.1		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-471924/5

Matrix: Water Lab File ID: S4683.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 20:35

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.: 471924 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	43.0		2.5	1.3
1634-04-4	Methyl tert-butyl ether	20.4		1.0	0.16
108-87-2	Methylcyclohexane	25.1		1.0	0.16
75-09-2	Methylene Chloride	24.1		1.0	0.44
100-42-5	Styrene	23.6		1.0	0.73
127-18-4	Tetrachloroethene	23.0		1.0	0.36
108-88-3	Toluene	24.5		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	22.4		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.4		1.0	0.37
79-01-6	Trichloroethene	23.6		1.0	0.46
75-69-4	Trichlorofluoromethane	27.4		1.0	0.88
75-01-4	Vinyl chloride	29.2		1.0	0.90
1330-20-7	Xylenes, Total	45.2		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		77-120
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
1868-53-7	Dibromofluoromethane (Surr)	87		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S4683.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 08-May-2019 20:35:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0080924-005
Operator ID: AEM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 08-May-2019 21:00:37 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: CTX0301

First Level Reviewer: milligana Date: 08-May-2019 21:00:37

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	121518	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	85	249986	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	66	232555	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.883	4.883	0.000	54	143614	25.0	21.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.193	0.000	49	96521	25.0	23.5	
$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	89	614503	25.0	24.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.713	9.713	0.000	86	172863	25.0	22.6	
10 Dichlorodifluoromethane	85	1.269	1.269	0.000	87	232227	25.0	32.3	
12 Chloromethane	50	1.446	1.446	0.000	88	257351	25.0	29.3	
13 Vinyl chloride	62	1.549	1.549	0.000	79	240192	25.0	29.2	
151 Butadiene	54	1.555	1.555	0.000	90	253025	25.0	31.4	
14 Bromomethane	94	1.841	1.841	0.000	90	145076	25.0	25.5	
15 Chloroethane	64	1.945	1.945	0.000	100	148198	25.0	26.8	
16 Dichlorofluoromethane	67	2.164	2.164	0.000	97	302415	25.0	25.2	
17 Trichlorofluoromethane	101	2.170	2.170	0.000	66	290823	25.0	27.4	
18 Ethyl ether	59	2.456	2.456	0.000	92	175779	25.0	25.3	
20 Acrolein	56	2.638	2.638	0.000	97	180131	125.0	90.2	
22 1,1-Dichloroethene	96	2.675	2.675	0.000	87	148158	25.0	24.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.669	2.669	0.000	63	156723	25.0	25.9	
23 Acetone	43	2.802	2.802	0.000	97	386622	125.0	119.2	
25 Iodomethane	142	2.851	2.851	0.000	100	240907	25.0	21.9	
26 Carbon disulfide	76	2.882	2.882	0.000	98	505065	25.0	24.7	
28 3-Chloro-1-propene	41	3.052	3.052	0.000	91	254406	25.0	21.8	
27 Methyl acetate	43	3.101	3.101	0.000	95	340276	50.0	43.0	
30 Methylene Chloride	84	3.198	3.198	0.000	89	176424	25.0	24.1	
31 2-Methyl-2-propanol	59	3.380	3.380	0.000	92	176056	250.0	143.6	
32 Methyl tert-butyl ether	73	3.411	3.411	0.000	91	463800	25.0	20.4	
34 trans-1,2-Dichloroethene	96	3.429	3.429	0.000	93	165645	25.0	22.4	
33 Acrylonitrile	53	3.490	3.490	0.000	99	875414	250.0	221.5	
35 Hexane	57	3.618	3.618	0.000	89	287221	25.0	30.8	
39 1,1-Dichloroethane	63	3.855	3.855	0.000	85	306637	25.0	23.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.904	3.904	0.000	97	762790	50.0	46.7	
44 2,2-Dichloropropane	77	4.372	4.372	0.000	89	154584	25.0	23.5	
45 cis-1,2-Dichloroethene	96	4.409	4.409	0.000	79	179461	25.0	21.8	
43 2-Butanone (MEK)	43	4.451	4.451	0.000	94	533223	125.0	117.1	
48 Chlorobromomethane	128	4.652	4.652	0.000	94	92320	25.0	22.3	
49 Tetrahydrofuran	42	4.664	4.664	0.000	89	140907	50.0	44.6	
50 Chloroform	83	4.725	4.725	0.000	70	286245	25.0	21.8	
51 1,1,1-Trichloroethane	97	4.834	4.834	0.000	85	237676	25.0	23.0	
52 Cyclohexane	56	4.840	4.840	0.000	90	322841	25.0	26.2	
55 Carbon tetrachloride	117	4.974	4.974	0.000	78	213656	25.0	24.3	
54 1,1-Dichloropropene	75	4.986	4.986	0.000	95	232348	25.0	24.2	
57 Benzene	78	5.193	5.193	0.000	96	695248	25.0	24.8	
53 Isobutyl alcohol	43	5.218	5.218	0.000	93	234714	625.0	532.7	
58 1,2-Dichloroethane	62	5.266	5.266	0.000	79	239189	25.0	21.1	
59 n-Heptane	43	5.364	5.364	0.000	92	279172	25.0	30.4	
62 Trichloroethene	95	5.802	5.802	0.000	93	169457	25.0	23.6	
64 Methylcyclohexane	83	5.917	5.917	0.000	91	306510	25.0	25.1	
65 1,2-Dichloropropane	63	6.051	6.051	0.000	94	170208	25.0	26.4	
67 Dibromomethane	93	6.191	6.191	0.000	93	105850	25.0	22.5	
66 1,4-Dioxane	88	6.197	6.197	0.000	39	48548	500.0	445.2	M
68 Dichlorobromomethane	83	6.343	6.343	0.000	98	212230	25.0	24.6	
69 2-Chloroethyl vinyl ether	63	6.623	6.623	0.000	93	119534	25.0	26.5	
72 cis-1,3-Dichloropropene	75	6.757	6.757	0.000	90	273342	25.0	26.7	
73 4-Methyl-2-pentanone (MIBK	43	6.903	6.903	0.000	96	1059533	125.0	113.8	
74 Toluene	92	7.043	7.043	0.000	95	429407	25.0	24.5	
77 trans-1,3-Dichloropropene	75	7.329	7.329	0.000	90	250696	25.0	26.4	
75 Ethyl methacrylate	69	7.371	7.371	0.000	82	219749	25.0	26.0	
79 1,1,2-Trichloroethane	83	7.517	7.517	0.000	86	131837	25.0	25.6	
81 Tetrachloroethene	166	7.572	7.572	0.000	78	173409	25.0	23.0	
82 1,3-Dichloropropane	76	7.681	7.681	0.000	91	274429	25.0	25.7	
80 2-Hexanone	43	7.742	7.742	0.000	92	737575	125.0	126.1	
83 Chlorodibromomethane	129	7.913	7.913	0.000	85	159547	25.0	25.2	
84 Ethylene Dibromide	107	8.022	8.022	0.000	98	161297	25.0	24.1	
87 Chlorobenzene	112	8.491	8.491	0.000	93	466795	25.0	24.0	
88 Ethylbenzene	91	8.582	8.582	0.000	98	782493	25.0	23.8	
89 1,1,1,2-Tetrachloroethane	131	8.594	8.594	0.000	46	160745	25.0	22.9	
90 m-Xylene & p-Xylene	106	8.704	8.704	0.000	99	304616	25.0	23.1	
91 o-Xylene	106	9.129	9.129	0.000	96	294369	25.0	22.1	
92 Styrene	104	9.166	9.166	0.000	91	489191	25.0	23.6	
95 Bromoform	173	9.415	9.415	0.000	94	103828	25.0	24.5	
94 Isopropylbenzene	105	9.519	9.519	0.000	95	773724	25.0	24.1	
101 Bromobenzene	156	9.865	9.865	0.000	93	190413	25.0	23.9	
97 1,1,2,2-Tetrachloroethane	83	9.920	9.920	0.000	81	225353	25.0	25.3	
99 N-Propylbenzene	91	9.945	9.945	0.000	98	946723	25.0	25.0	
100 1,2,3-Trichloropropane	110	9.957	9.957	0.000	70	69147	25.0	22.6	
98 trans-1,4-Dichloro-2-buten	53	9.969	9.969	0.000	78	64194	25.0	22.6	
103 2-Chlorotoluene	126	10.048	10.048	0.000	96	183559	25.0	23.3	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	84	683821	25.0	24.1	
105 4-Chlorotoluene	126	10.158	10.158	0.000	96	187461	25.0	23.7	
106 tert-Butylbenzene	134	10.437	10.437	0.000	90	149613	25.0	25.4	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	31	687789	25.0	24.1	
109 sec-Butylbenzene	105	10.644	10.644	0.000	93	875808	25.0	25.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	10.784	10.784	0.000	95	754973	25.0	23.8	
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	70	374963	25.0	24.4	
113 1,4-Dichlorobenzene	146	10.869	10.869	0.000	93	373948	25.0	23.7	
115 n-Butylbenzene	91	11.167	11.167	0.000	95	678100	25.0	24.4	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	92	376757	25.0	23.1	
117 1,2-Dibromo-3-Chloropropan	75	11.958	11.958	0.000	78	44792	25.0	22.4	
119 1,2,4-Trichlorobenzene	180	12.621	12.621	0.000	93	269303	25.0	21.5	
120 Hexachlorobutadiene	225	12.731	12.731	0.000	94	143150	25.0	24.2	
121 Naphthalene	128	12.840	12.840	0.000	97	786304	25.0	20.7	
122 1,2,3-Trichlorobenzene	180	13.041	13.041	0.000	94	279630	25.0	22.3	
S 126 1,3-Dichloropropene, Total	1				0			53.2	
S 125 1,2-Dichloroethene, Total	1				0			44.2	
S 124 Xylenes, Total	1				0			45.2	
S 123 Total BTEX	1				0			118.4	

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_00318	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00315	Amount Added:	1.00	Units: uL	Run Reagent

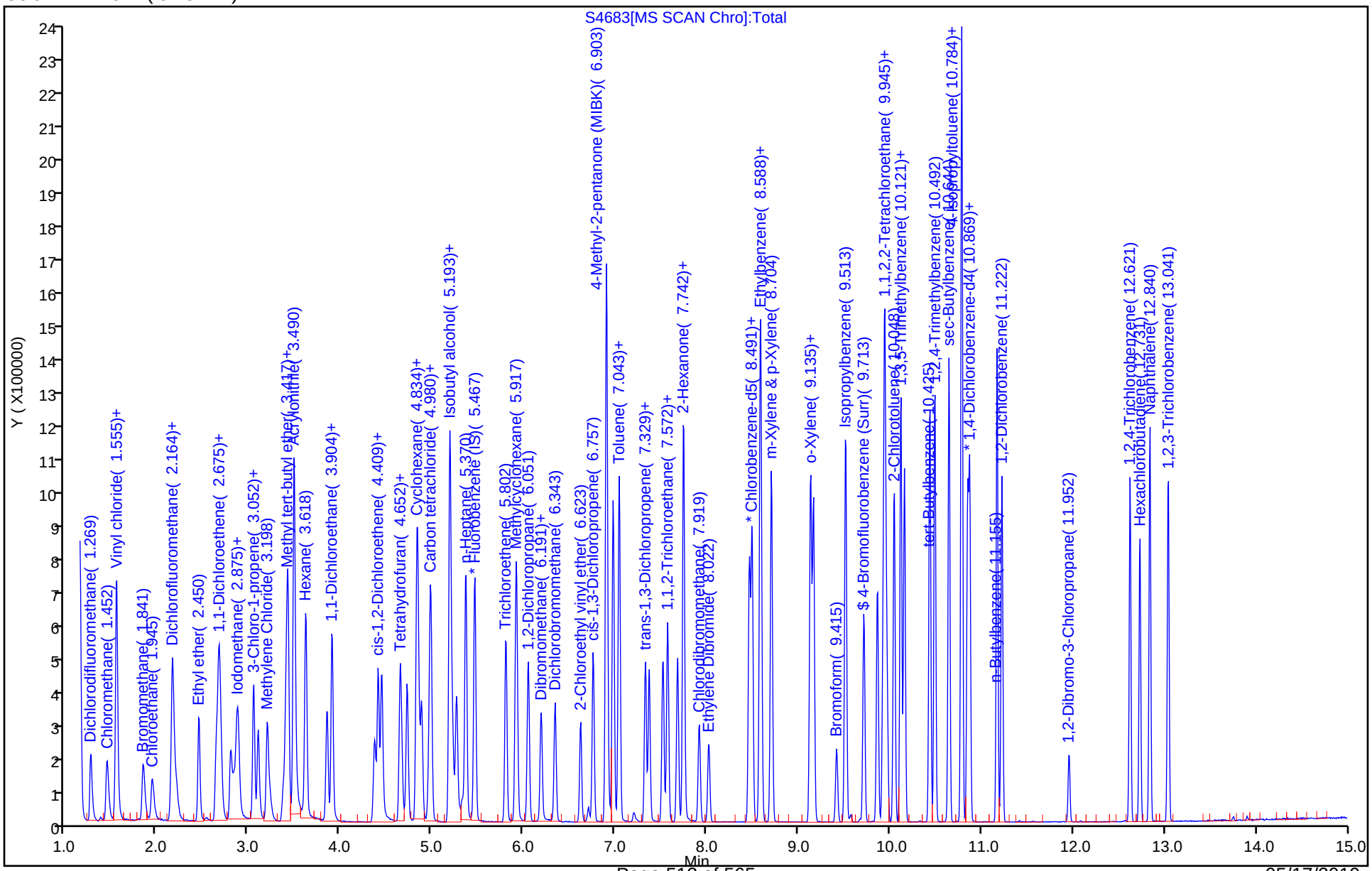
Report Date: 08-May-2019 21:00:37 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190508-80924.b\S4683.D

Injection Date:	08-May-2019 20:35:30	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.: 480-152814-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-471956/5

Matrix: Water Lab File ID: S4712.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 09:01

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.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	22.2		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	26.2		1.0	0.21
79-00-5	1,1,2-Trichloroethane	26.8		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.9		1.0	0.31
75-34-3	1,1-Dichloroethane	23.2		1.0	0.38
75-35-4	1,1-Dichloroethene	23.0		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	21.8		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	24.6		1.0	0.39
95-50-1	1,2-Dichlorobenzene	23.1		1.0	0.79
107-06-2	1,2-Dichloroethane	21.4		1.0	0.21
78-87-5	1,2-Dichloropropane	27.7		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.5		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.1		1.0	0.84
78-93-3	2-Butanone (MEK)	133		10	1.3
591-78-6	2-Hexanone	152		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	126		5.0	2.1
67-64-1	Acetone	131		10	3.0
71-43-2	Benzene	24.9		1.0	0.41
75-27-4	Bromodichloromethane	25.1		1.0	0.39
75-25-2	Bromoform	25.8		1.0	0.26
74-83-9	Bromomethane	22.9		1.0	0.69
75-15-0	Carbon disulfide	23.0		1.0	0.19
56-23-5	Carbon tetrachloride	23.4		1.0	0.27
108-90-7	Chlorobenzene	24.2		1.0	0.75
124-48-1	Dibromochloromethane	25.7		1.0	0.32
75-00-3	Chloroethane	24.4		1.0	0.32
67-66-3	Chloroform	21.6		1.0	0.34
74-87-3	Chloromethane	25.7		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	21.4		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	27.8		1.0	0.36
110-82-7	Cyclohexane	25.1		1.0	0.18
75-71-8	Dichlorodifluoromethane	28.4		1.0	0.68
100-41-4	Ethylbenzene	23.5		1.0	0.74
106-93-4	1,2-Dibromoethane	24.9		1.0	0.73
98-82-8	Isopropylbenzene	23.0		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-471956/5

Matrix: Water Lab File ID: S4712.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 09:01

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.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	44.6		2.5	1.3
1634-04-4	Methyl tert-butyl ether	20.7		1.0	0.16
108-87-2	Methylcyclohexane	24.7		1.0	0.16
75-09-2	Methylene Chloride	23.9		1.0	0.44
100-42-5	Styrene	24.6		1.0	0.73
127-18-4	Tetrachloroethene	22.4		1.0	0.36
108-88-3	Toluene	24.6		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	22.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	27.5		1.0	0.37
79-01-6	Trichloroethene	23.2		1.0	0.46
75-69-4	Trichlorofluoromethane	23.7		1.0	0.88
75-01-4	Vinyl chloride	25.7		1.0	0.90
1330-20-7	Xylenes, Total	45.5		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	87		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4712.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 09-May-2019 09:01:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0080927-005
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 18:58:30 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: CTX0316

First Level Reviewer: moffata Date: 09-May-2019 09:22:00

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	5.467	5.467	0.000	98	120120	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	85	252858	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	65	244115	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.889	4.889	0.000	55	142577	25.0	21.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.194	5.194	0.000	54	96271	25.0	23.7	
$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	88	623999	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	89	178325	25.0	23.0	
10 Dichlorodifluoromethane	85	1.276	1.276	0.000	88	202048	25.0	28.4	
12 Chloromethane	50	1.458	1.458	0.000	88	223188	25.0	25.7	
13 Vinyl chloride	62	1.549	1.549	0.000	64	209116	25.0	25.7	
151 Butadiene	54	1.556	1.556	0.000	88	227916	25.0	28.6	
14 Bromomethane	94	1.848	1.848	0.000	91	128557	25.0	22.9	
15 Chloroethane	64	1.945	1.945	0.000	99	133665	25.0	24.4	
17 Trichlorofluoromethane	101	2.170	2.170	0.000	63	248667	25.0	23.7	
16 Dichlorofluoromethane	67	2.164	2.164	0.000	96	269669	25.0	22.8	
18 Ethyl ether	59	2.456	2.456	0.000	90	177752	25.0	25.9	
20 Acrolein	56	2.638	2.638	0.000	97	189750	125.0	96.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.675	2.675	0.000	67	148562	25.0	24.9	
22 1,1-Dichloroethene	96	2.681	2.681	0.000	88	139062	25.0	23.0	
23 Acetone	43	2.803	2.803	0.000	99	418592	125.0	130.6	
25 Iodomethane	142	2.864	2.864	0.000	79	240220	25.0	22.1	
26 Carbon disulfide	76	2.882	2.882	0.000	98	463647	25.0	23.0	
28 3-Chloro-1-propene	41	3.052	3.052	0.000	91	244465	25.0	21.1	
27 Methyl acetate	43	3.101	3.101	0.000	95	349152	50.0	44.6	
30 Methylene Chloride	84	3.198	3.198	0.000	89	172846	25.0	23.9	
31 2-Methyl-2-propanol	59	3.381	3.381	0.000	94	221539	250.0	182.8	
32 Methyl tert-butyl ether	73	3.411	3.411	0.000	91	465592	25.0	20.7	
34 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	92	163474	25.0	22.3	
33 Acrylonitrile	53	3.490	3.490	0.000	100	927795	250.0	237.5	
35 Hexane	57	3.618	3.618	0.000	86	272605	25.0	29.6	
39 1,1-Dichloroethane	63	3.849	3.849	0.000	85	300231	25.0	23.2	

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	3.904	3.904	0.000	97	792531	50.0	49.0	
44 2,2-Dichloropropane	77	4.372	4.372	0.000	89	143869	25.0	22.2	
45 cis-1,2-Dichloroethene	96	4.415	4.415	0.000	66	173601	25.0	21.4	
43 2-Butanone (MEK)	43	4.451	4.451	0.000	94	598879	125.0	133.1	
48 Chlorobromomethane	128	4.652	4.652	0.000	95	91065	25.0	22.3	
49 Tetrahydrofuran	42	4.664	4.664	0.000	87	147800	50.0	47.3	
50 Chloroform	83	4.731	4.731	0.000	69	279987	25.0	21.6	
51 1,1,1-Trichloroethane	97	4.835	4.835	0.000	84	226890	25.0	22.2	
52 Cyclohexane	56	4.841	4.841	0.000	89	306120	25.0	25.1	
55 Carbon tetrachloride	117	4.968	4.968	0.000	80	203289	25.0	23.4	
54 1,1-Dichloropropene	75	4.987	4.987	0.000	95	224089	25.0	23.6	
57 Benzene	78	5.194	5.194	0.000	96	688854	25.0	24.9	
53 Isobutyl alcohol	43	5.218	5.218	0.000	93	263361	625.0	604.6	
58 1,2-Dichloroethane	62	5.267	5.267	0.000	72	239984	25.0	21.4	
59 n-Heptane	43	5.370	5.370	0.000	90	294510	25.0	32.4	
62 Trichloroethene	95	5.808	5.808	0.000	92	164411	25.0	23.2	
64 Methylcyclohexane	83	5.917	5.917	0.000	91	298004	25.0	24.7	
65 1,2-Dichloropropane	63	6.051	6.051	0.000	95	176418	25.0	27.7	
67 Dibromomethane	93	6.191	6.191	0.000	91	107253	25.0	23.1	
66 1,4-Dioxane	88	6.191	6.191	0.000	41	46138	500.0	418.3	
68 Dichlorobromomethane	83	6.343	6.343	0.000	98	214185	25.0	25.1	
69 2-Chloroethyl vinyl ether	63	6.623	6.623	0.000	91	136099	25.0	30.5	
72 cis-1,3-Dichloropropene	75	6.757	6.757	0.000	89	281066	25.0	27.8	
73 4-Methyl-2-pentanone (MIBK	43	6.903	6.903	0.000	96	1190382	125.0	126.5	
74 Toluene	92	7.043	7.043	0.000	95	435651	25.0	24.6	
77 trans-1,3-Dichloropropene	75	7.329	7.329	0.000	90	264024	25.0	27.5	
75 Ethyl methacrylate	69	7.371	7.371	0.000	83	251455	25.0	29.5	
79 1,1,2-Trichloroethane	83	7.517	7.517	0.000	87	139278	25.0	26.8	
81 Tetrachloroethene	166	7.572	7.572	0.000	71	170896	25.0	22.4	
82 1,3-Dichloropropane	76	7.682	7.682	0.000	90	292431	25.0	27.1	
80 2-Hexanone	43	7.749	7.749	0.000	94	899052	125.0	151.9	
83 Chlorodibromomethane	129	7.919	7.919	0.000	88	164160	25.0	25.7	
84 Ethylene Dibromide	107	8.022	8.022	0.000	98	167948	25.0	24.9	
87 Chlorobenzene	112	8.491	8.491	0.000	93	477055	25.0	24.2	
88 Ethylbenzene	91	8.582	8.582	0.000	98	781687	25.0	23.5	
89 1,1,1,2-Tetrachloroethane	131	8.594	8.594	0.000	47	163993	25.0	23.1	
90 m-Xylene & p-Xylene	106	8.704	8.704	0.000	99	311688	25.0	23.4	
91 o-Xylene	106	9.136	9.136	0.000	97	297484	25.0	22.1	
92 Styrene	104	9.166	9.166	0.000	92	516078	25.0	24.6	
95 Bromoform	173	9.416	9.416	0.000	94	110427	25.0	25.8	
94 Isopropylbenzene	105	9.513	9.513	0.000	96	773539	25.0	23.0	
101 Bromobenzene	156	9.866	9.866	0.000	93	198664	25.0	23.7	
97 1,1,2,2-Tetrachloroethane	83	9.927	9.927	0.000	71	244687	25.0	26.2	
99 N-Propylbenzene	91	9.945	9.945	0.000	98	950067	25.0	23.9	
100 1,2,3-Trichloropropane	110	9.957	9.957	0.000	75	79532	25.0	24.7	
98 trans-1,4-Dichloro-2-buten	53	9.969	9.969	0.000	78	69691	25.0	23.3	
103 2-Chlorotoluene	126	10.048	10.048	0.000	96	187897	25.0	22.7	
102 1,3,5-Trimethylbenzene	105	10.121	10.121	0.000	85	685256	25.0	23.0	
105 4-Chlorotoluene	126	10.158	10.158	0.000	88	202123	25.0	24.3	
106 tert-Butylbenzene	134	10.438	10.438	0.000	90	146727	25.0	23.7	
107 1,2,4-Trimethylbenzene	105	10.492	10.492	0.000	38	697282	25.0	23.3	
109 sec-Butylbenzene	105	10.644	10.644	0.000	93	861103	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	70	396140	25.0	24.5	
110 4-Isopropyltoluene	119	10.784	10.784	0.000	94	743191	25.0	22.3	
113 1,4-Dichlorobenzene	146	10.869	10.869	0.000	93	399238	25.0	24.1	
115 n-Butylbenzene	91	11.168	11.168	0.000	95	691963	25.0	23.8	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	92	395218	25.0	23.1	
117 1,2-Dibromo-3-Chloropropan	75	11.952	11.952	0.000	73	51751	25.0	24.6	
119 1,2,4-Trichlorobenzene	180	12.622	12.622	0.000	93	286490	25.0	21.8	
120 Hexachlorobutadiene	225	12.731	12.731	0.000	95	136786	25.0	22.0	
121 Naphthalene	128	12.841	12.841	0.000	97	843623	25.0	21.2	
122 1,2,3-Trichlorobenzene	180	13.041	13.041	0.000	95	288613	25.0	21.9	
S 124 Xylenes, Total	1				0			45.5	
S 123 Total BTEX	1				0			118.4	
S 126 1,3-Dichloropropene, Total	1				0			55.4	
S 125 1,2-Dichloroethene, Total	1				0			43.7	

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

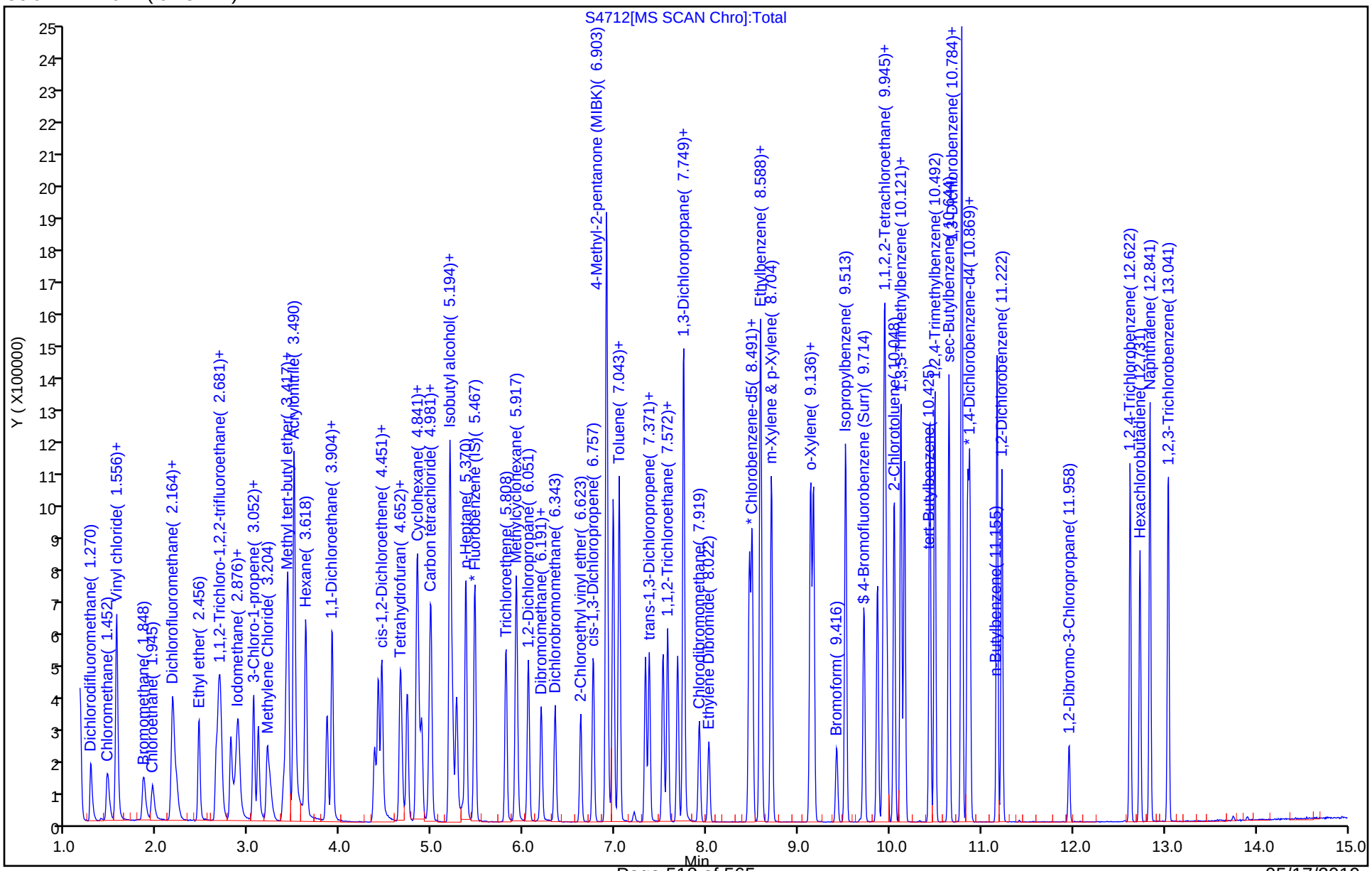
Report Date: 09-May-2019 18:58:31 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4712.D

Injection Date:	09-May-2019 09:01:30	Instrument ID:	HP5973S	Operator ID:	AM
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.: 480-152814-1

SDG No.:

Client Sample ID: LMW-14MS-20190429 MS Lab Sample ID: 480-152814-2 MS

Matrix: Water Lab File ID: T0666.D

Analysis Method: 8260C Date Collected: 04/29/2019 11:00

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 18:49

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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	31.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.7		1.0	0.21
79-00-5	1,1,2-Trichloroethane	25.5		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26.5		1.0	0.31
75-34-3	1,1-Dichloroethane	28.1		1.0	0.38
75-35-4	1,1-Dichloroethene	23.5		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.8		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	25.1		1.0	0.39
95-50-1	1,2-Dichlorobenzene	26.7		1.0	0.79
107-06-2	1,2-Dichloroethane	26.3		1.0	0.21
78-87-5	1,2-Dichloropropane	31.2		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.2		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.0		1.0	0.84
78-93-3	2-Butanone (MEK)	130		10	1.3
591-78-6	2-Hexanone	149		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	142		5.0	2.1
67-64-1	Acetone	111		10	3.0
71-43-2	Benzene	26.7		1.0	0.41
75-27-4	Bromodichloromethane	28.5		1.0	0.39
75-25-2	Bromoform	35.9		1.0	0.26
74-83-9	Bromomethane	27.6		1.0	0.69
75-15-0	Carbon disulfide	26.0		1.0	0.19
56-23-5	Carbon tetrachloride	35.4		1.0	0.27
108-90-7	Chlorobenzene	25.7		1.0	0.75
124-48-1	Dibromochloromethane	34.9		1.0	0.32
75-00-3	Chloroethane	31.8		1.0	0.32
67-66-3	Chloroform	28.9		1.0	0.34
74-87-3	Chloromethane	32.4		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.5		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	28.8		1.0	0.36
110-82-7	Cyclohexane	30.2		1.0	0.18
75-71-8	Dichlorodifluoromethane	29.4		1.0	0.68
100-41-4	Ethylbenzene	27.5		1.0	0.74
106-93-4	1,2-Dibromoethane	24.6		1.0	0.73
98-82-8	Isopropylbenzene	26.3		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-14MS-20190429 MS Lab Sample ID: 480-152814-2 MS

Matrix: Water Lab File ID: T0666.D

Analysis Method: 8260C Date Collected: 04/29/2019 11:00

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 18:49

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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	45.6		2.5	1.3
1634-04-4	Methyl tert-butyl ether	23.7		1.0	0.16
108-87-2	Methylcyclohexane	28.9		1.0	0.16
75-09-2	Methylene Chloride	24.0		1.0	0.44
100-42-5	Styrene	26.6		1.0	0.73
127-18-4	Tetrachloroethene	32.4		1.0	0.36
108-88-3	Toluene	26.1		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.9		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.5		1.0	0.37
79-01-6	Trichloroethene	26.0		1.0	0.46
75-69-4	Trichlorofluoromethane	27.3		1.0	0.88
75-01-4	Vinyl chloride	29.0		1.0	0.90
1330-20-7	Xylenes, Total	54.3		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		77-120
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0666.D
Lims ID: 480-152814-A-2 MS
Client ID: LMW-14MS-20190429
Sample Type: MS
Inject. Date: 08-May-2019 18:49:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-152814-a-2 ms
Misc. Info.: 480-0080903-027
Operator ID: AEM Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 00:52:34 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: CTX0301

First Level Reviewer: milligana Date: 09-May-2019 00:52:38

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	4.859	0.000	98	100559	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	87	392127	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	95	227894	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.403	4.392	0.011	92	134603	25.0	25.8	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.651	4.641	0.010	0	163265	25.0	26.9	
$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.000	96	507150	25.0	24.3	
$ 7 4-Bromofluorobenzene (Surr	174	8.082	8.082	0.000	0	172763	25.0	27.9	
11 Dichlorodifluoromethane	85	1.335	1.335	0.072	98	160326	25.0	29.4	a
13 Chloromethane	50	1.480	1.480	0.072	98	231606	25.0	32.4	Ma
14 Vinyl chloride	62	1.574	1.574	0.073	100	187990	25.0	29.0	a
15 Bromomethane	94	1.822	1.822	0.062	94	150812	25.0	27.6	a
16 Chloroethane	64	1.864	1.822	0.042	95	118837	25.0	31.8	
17 Trichlorofluoromethane	101	2.133	2.133	0.072	73	270428	25.0	27.3	a
22 1,1-Dichloroethene	96	2.537	2.496	0.041	94	110321	25.0	23.5	
20 1,1,2-Trichloro-1,2,2-trif	101	2.568	2.568	0.062	53	117562	25.0	26.5	a
23 Acetone	43	2.651	2.610	0.041	95	161645	125.0	110.6	
25 Carbon disulfide	76	2.724	2.682	0.042	98	412768	25.0	26.0	
28 Methyl acetate	43	2.910	2.879	0.031	98	170756	50.0	45.6	
30 Methylene Chloride	84	3.004	2.973	0.031	96	143927	25.0	24.0	
32 trans-1,2-Dichloroethene	96	3.201	3.169	0.032	97	136215	25.0	24.9	
33 Methyl tert-butyl ether	73	3.201	3.169	0.032	75	315980	25.0	23.7	
36 1,1-Dichloroethane	63	3.563	3.532	0.031	97	256968	25.0	28.1	
43 cis-1,2-Dichloroethene	96	4.019	4.009	0.010	84	151157	25.0	25.5	
44 2-Butanone (MEK)	43	4.050	4.030	0.020	99	301269	125.0	130.1	
50 Chloroform	83	4.278	4.258	0.020	97	262234	25.0	28.9	
51 1,1,1-Trichloroethane	97	4.382	4.361	0.021	92	203484	25.0	31.0	
52 Cyclohexane	56	4.382	4.361	0.021	95	258599	25.0	30.2	
53 Carbon tetrachloride	117	4.486	4.465	0.021	62	155548	25.0	35.4	
55 Benzene	78	4.651	4.641	0.010	96	559366	25.0	26.7	
57 1,2-Dichloroethane	62	4.703	4.693	0.010	96	201205	25.0	26.3	
60 Trichloroethene	95	5.128	5.118	0.010	93	139571	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
62 Methylcyclohexane	83	5.232	5.221	0.011	93	243082	25.0	28.9	
63 1,2-Dichloropropane	63	5.325	5.315	0.010	90	160503	25.0	31.2	
67 Dichlorobromomethane	83	5.543	5.543	0.000	96	173122	25.0	28.5	
71 cis-1,3-Dichloropropene	75	5.864	5.853	0.011	91	204233	25.0	28.8	
72 4-Methyl-2-pentanone (MIBK	43	5.967	5.967	0.000	99	690048	125.0	142.0	
73 Toluene	92	6.081	6.071	0.010	97	350652	25.0	26.1	
75 trans-1,3-Dichloropropene	75	6.289	6.289	0.000	99	172325	25.0	26.5	
78 1,1,2-Trichloroethane	83	6.434	6.434	0.000	91	101771	25.0	25.5	
79 Tetrachloroethene	166	6.486	6.475	0.011	95	170599	25.0	32.4	
81 2-Hexanone	43	6.600	6.600	0.000	99	465714	125.0	148.8	
82 Chlorodibromomethane	129	6.745	6.734	0.011	88	115309	25.0	34.9	
83 Ethylene Dibromide	107	6.817	6.817	0.000	99	113549	25.0	24.6	
86 Chlorobenzene	112	7.170	7.170	0.000	92	398446	25.0	25.7	
88 Ethylbenzene	91	7.232	7.232	0.000	99	685168	25.0	27.5	
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	266449		27.0	
91 o-Xylene	106	7.646	7.646	0.000	98	259717		27.3	
92 Styrene	104	7.667	7.667	0.000	95	431785	25.0	26.6	
93 Bromoform	173	7.864	7.854	0.010	92	56352	25.0	35.9	
95 Isopropylbenzene	105	7.926	7.926	0.000	96	702543	25.0	26.3	
98 1,1,2,2-Tetrachloroethane	83	8.237	8.237	0.000	95	155829	25.0	24.7	
110 1,3-Dichlorobenzene	146	8.962	8.962	0.000	98	346567	25.0	25.2	
113 1,4-Dichlorobenzene	146	9.035	9.035	0.000	94	359307	25.0	26.0	
116 1,2-Dichlorobenzene	146	9.346	9.346	0.000	96	356980	25.0	26.7	
117 1,2-Dibromo-3-Chloropropan	75	10.009	10.019	-0.010	76	20149	25.0	25.1	
119 1,2,4-Trichlorobenzene	180	10.662	10.662	0.000	94	252081	25.0	25.8	
S 126 Xylenes, Total	1				0			54.3	

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_00188	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00218	Amount Added:	1.00	Units: uL	Run Reagent

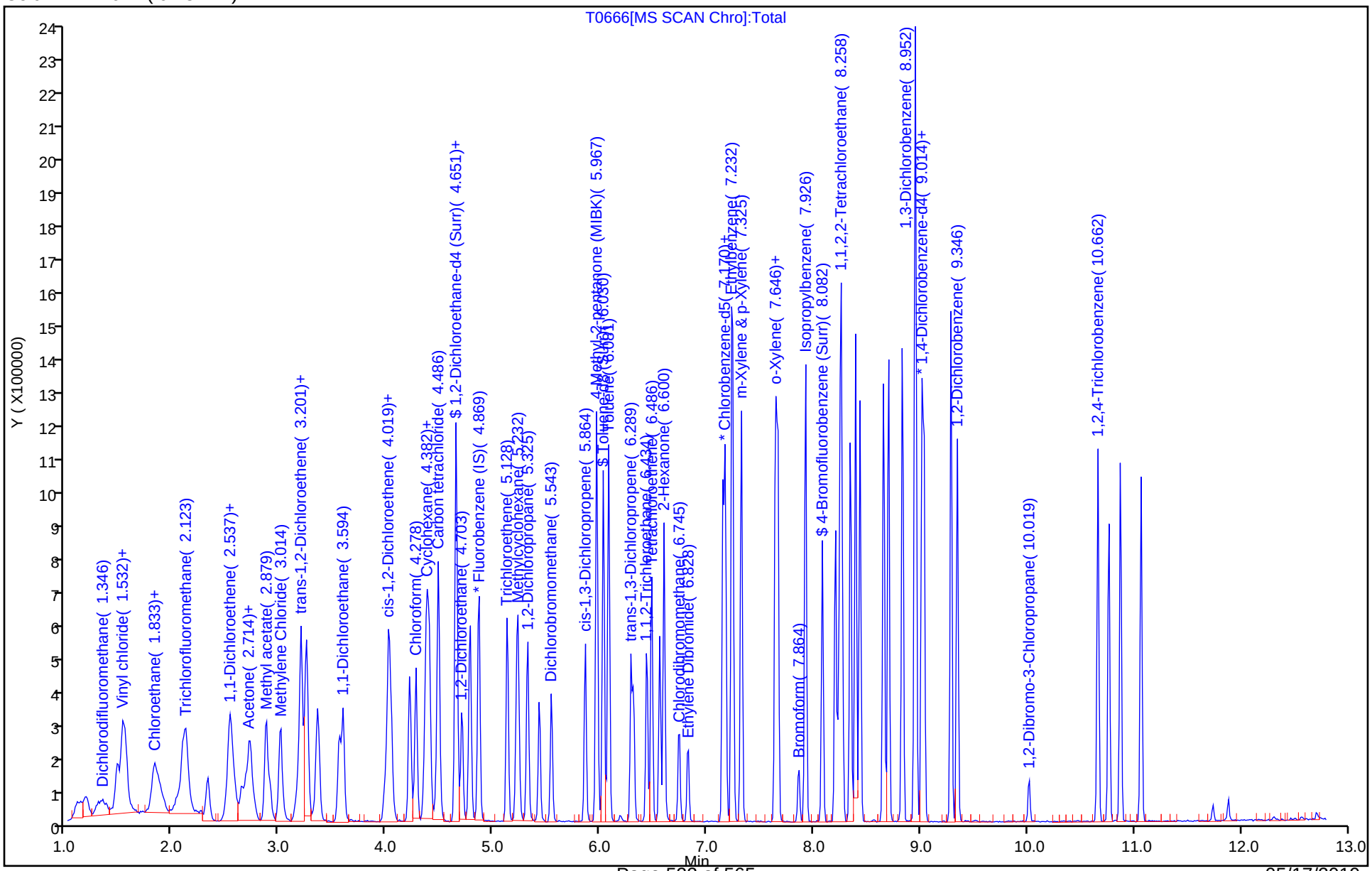
Report Date: 09-May-2019 00:52:38 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0666.D

Injection Date:	08-May-2019 18:49:30	Instrument ID:	HP5975T	Operator ID:	AEM
Lims ID:	480-152814-A-2 MS			Worklist Smp#:	27
Client ID:	LMW-14MS-20190429				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	T-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

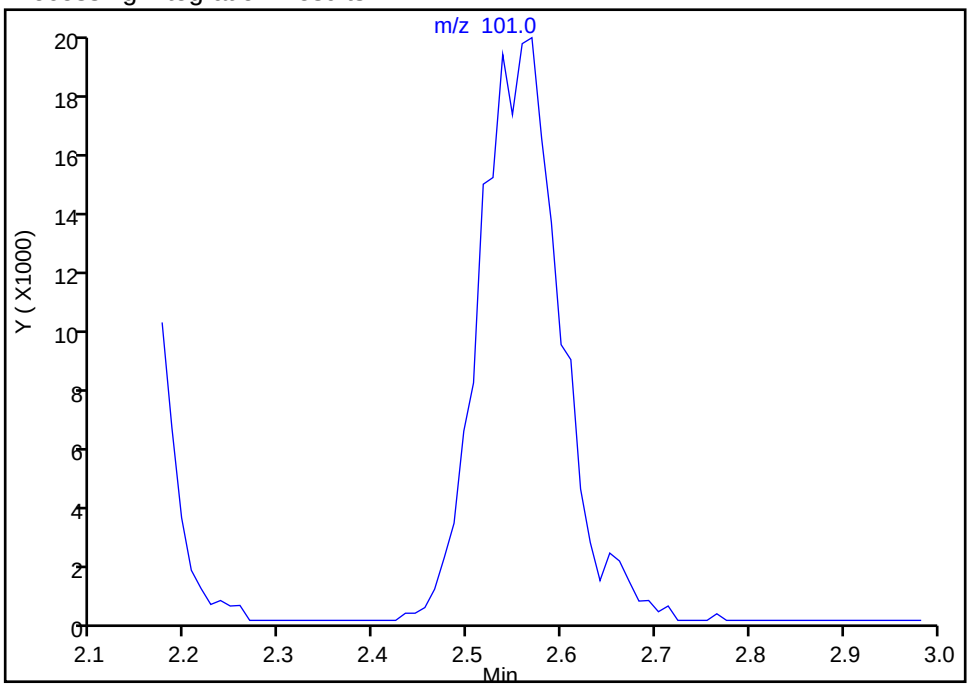
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0666.D
Injection Date: 08-May-2019 18:49:30 Instrument ID: HP5975T
Lims ID: 480-152814-A-2 MS
Client ID: LMW-14MS-20190429
Operator ID: AEM ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

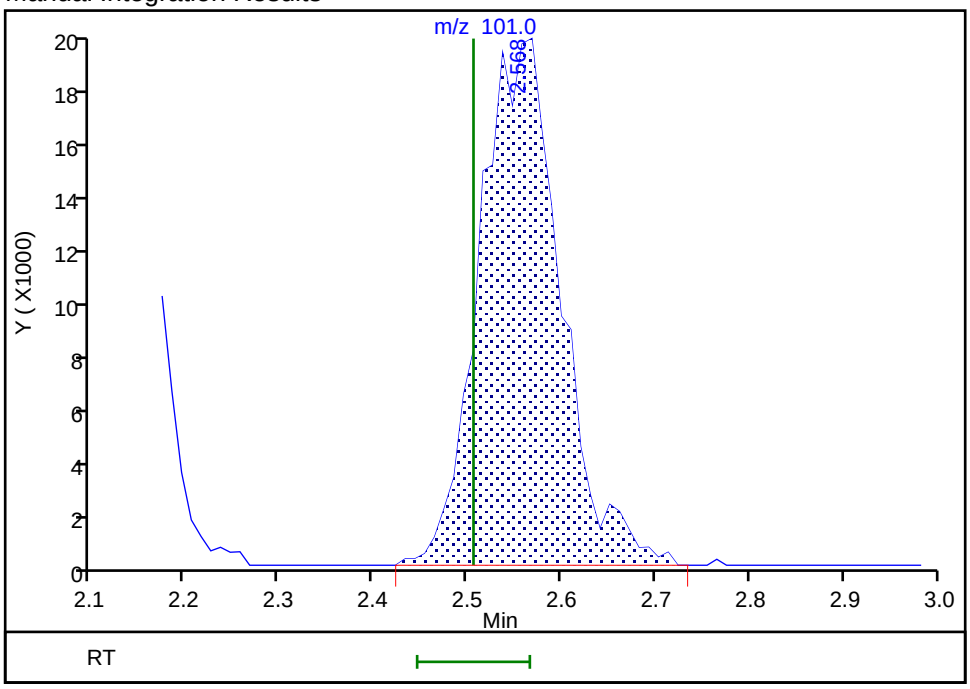
Not Detected
Expected RT: 2.51

Processing Integration Results



Manual Integration Results

RT: 2.57
Area: 117562
Amount: 26.491776
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 00:52:12
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

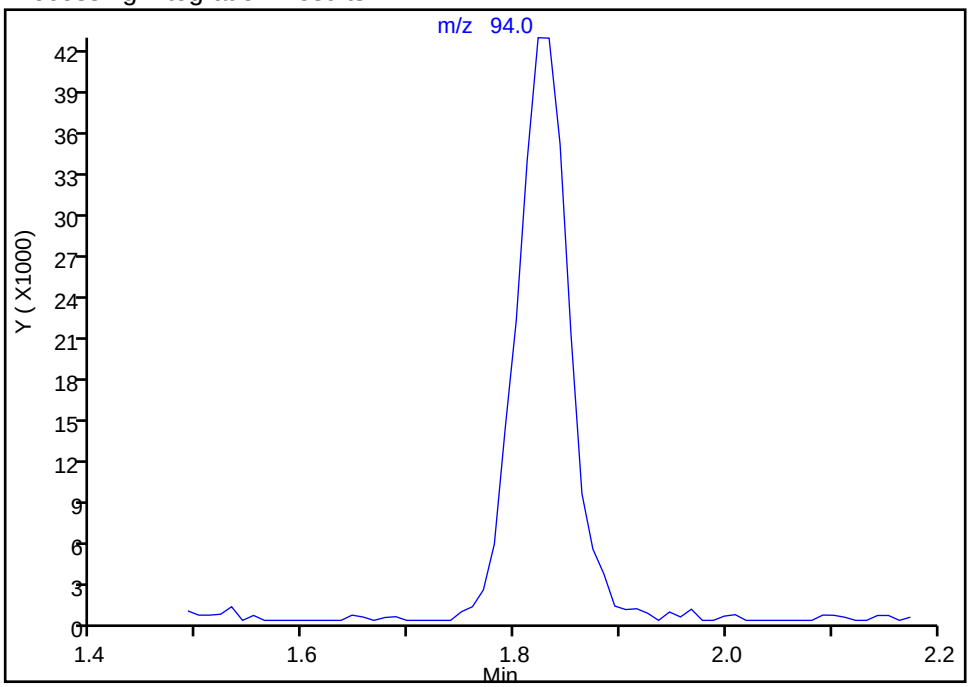
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0666.D				
Injection Date:	08-May-2019 18:49:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-2 MS				
Client ID:	LMW-14MS-20190429				
Operator ID:	AEM	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

15 Bromomethane, CAS: 74-83-9

Signal: 1

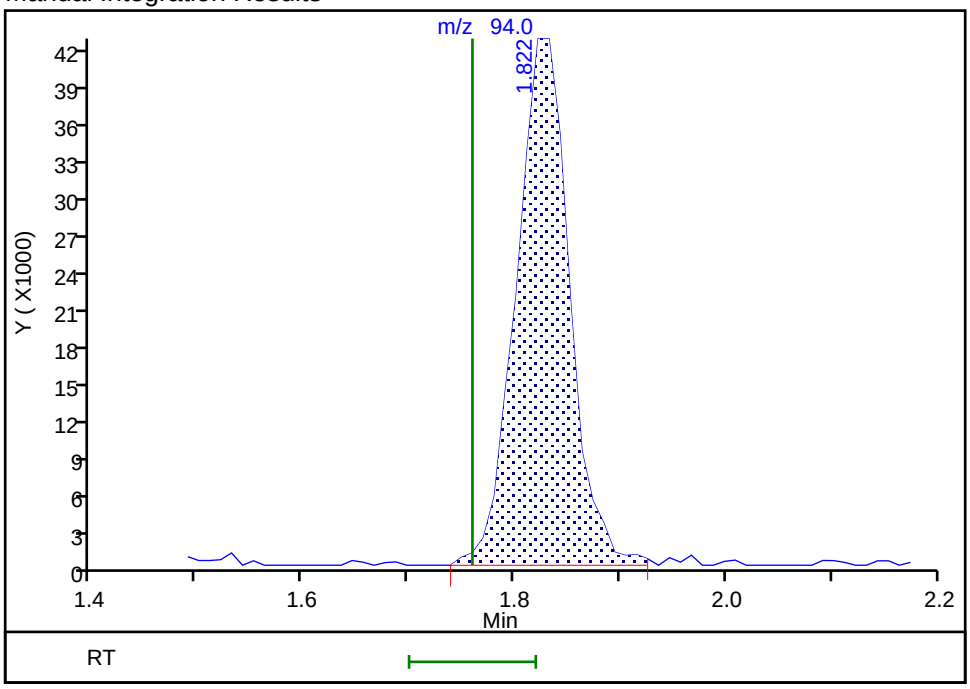
Not Detected
Expected RT: 1.76

Processing Integration Results



Manual Integration Results

RT: 1.82
Area: 150812
Amount: 27.603293
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 00:52:03
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

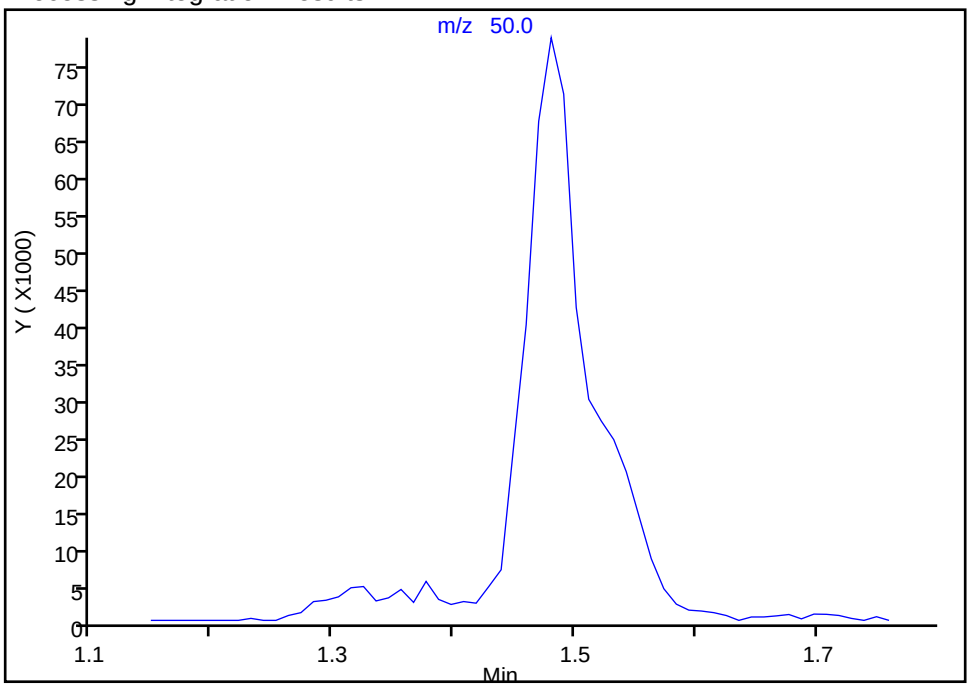
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0666.D
Injection Date: 08-May-2019 18:49:30 Instrument ID: HP5975T
Lims ID: 480-152814-A-2 MS
Client ID: LMW-14MS-20190429
Operator ID: AEM ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

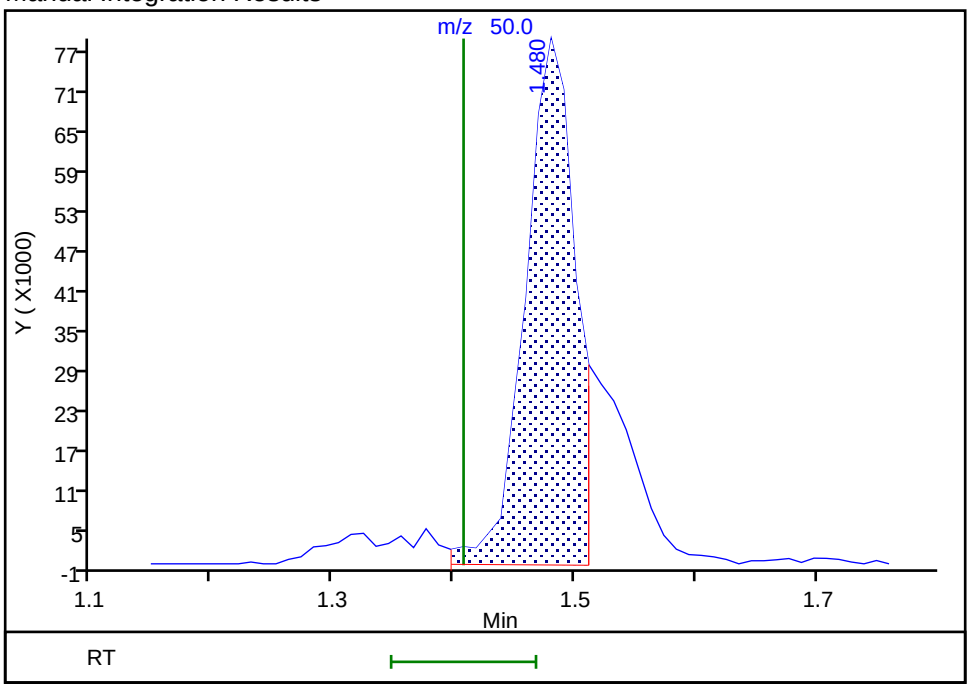
Not Detected
Expected RT: 1.41

Processing Integration Results



Manual Integration Results

RT: 1.48
Area: 231606
Amount: 32.433099
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 00:51:56
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Buffalo

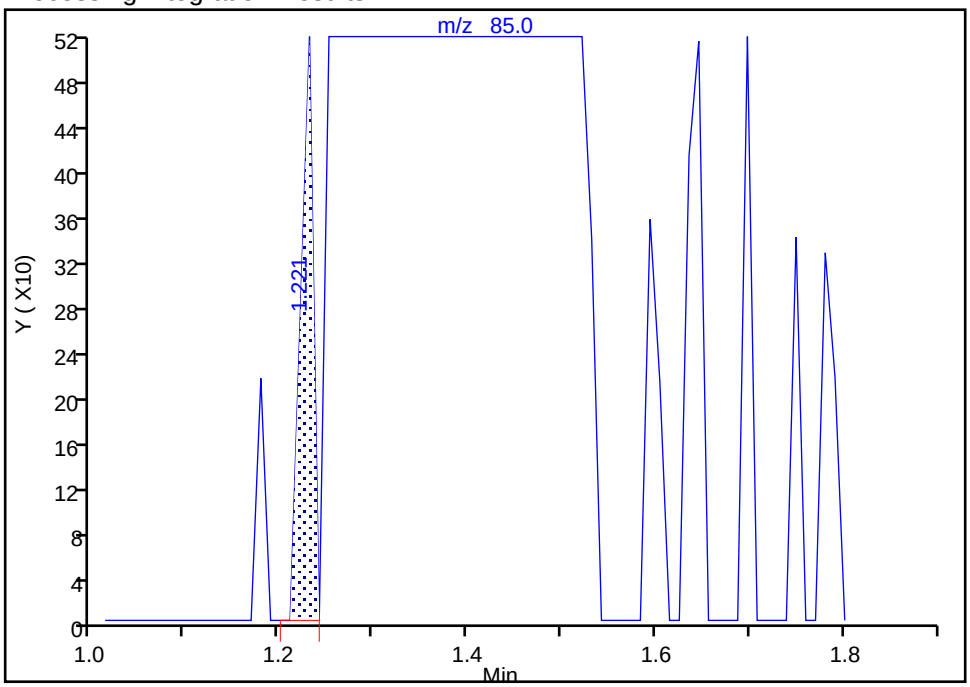
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0666.D				
Injection Date:	08-May-2019 18:49:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-2 MS				
Client ID:	LMW-14MS-20190429				
Operator ID:	AEM	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

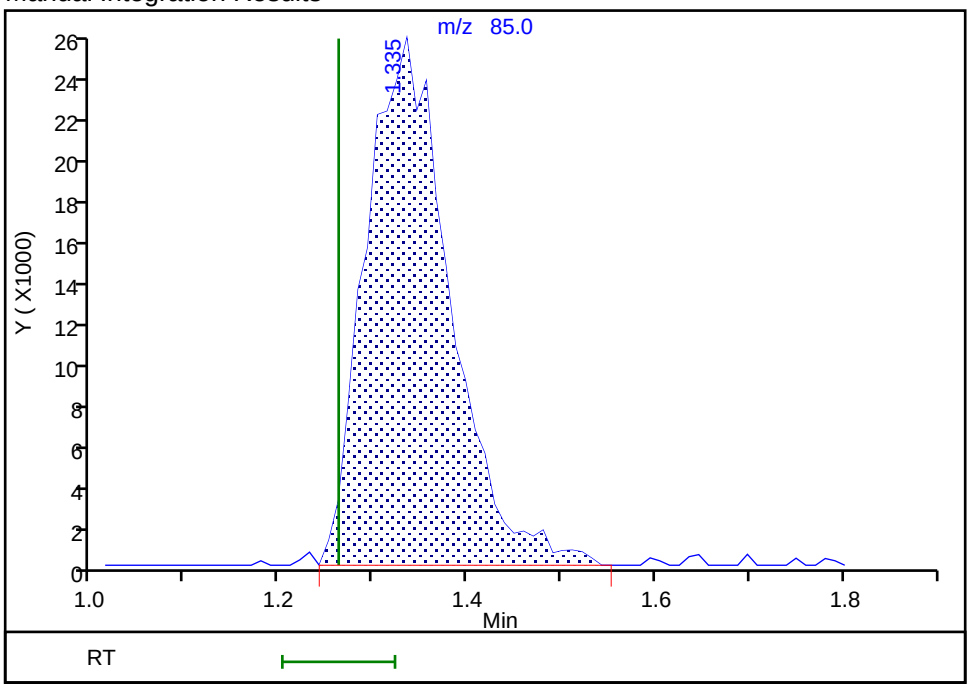
Processing Integration Results

RT: 1.22
Area: 557
Amount: 0.102094
Amount Units: ug/L



Manual Integration Results

RT: 1.34
Area: 160326
Amount: 29.386470
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 00:51:37
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

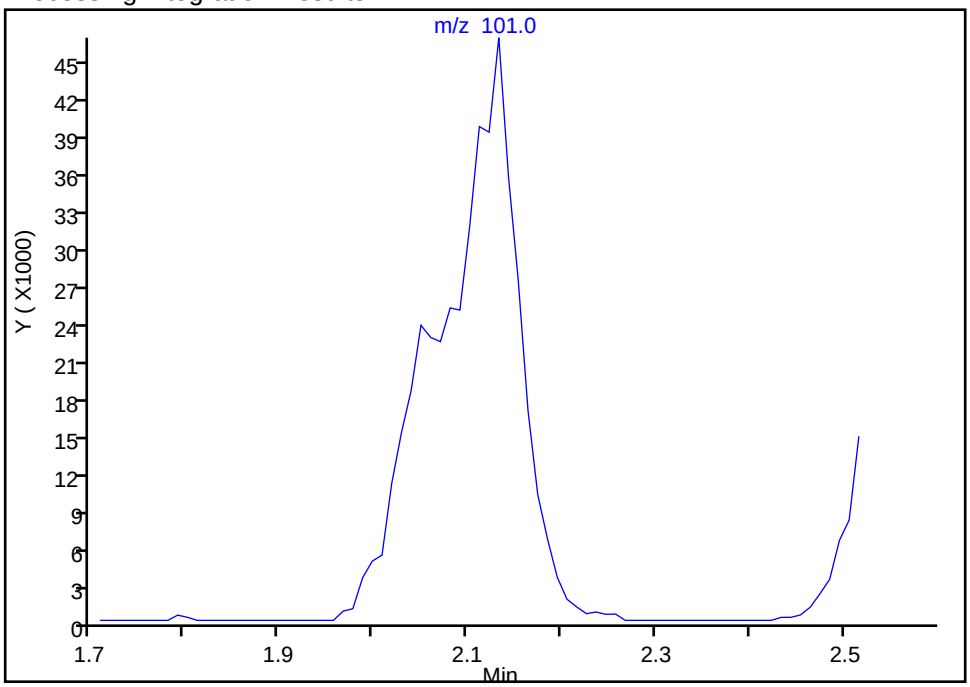
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0666.D				
Injection Date:	08-May-2019 18:49:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-2 MS				
Client ID:	LMW-14MS-20190429				
Operator ID:	AEM	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

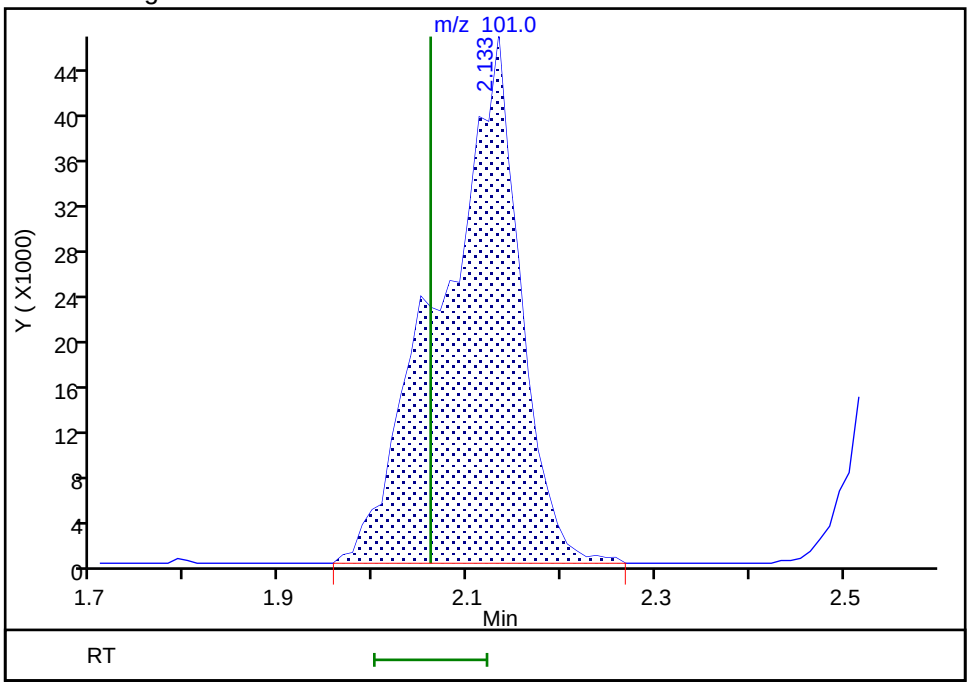
Not Detected
Expected RT: 2.06

Processing Integration Results



Manual Integration Results

RT: 2.13
Area: 270428
Amount: 27.316105
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 00:52:09
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

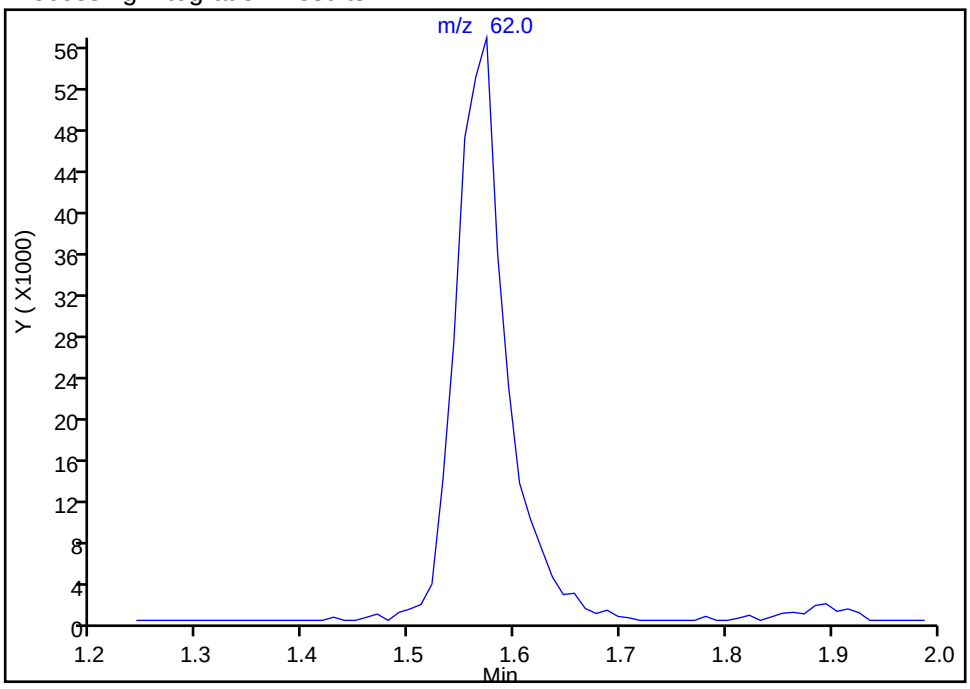
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0666.D				
Injection Date:	08-May-2019 18:49:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-2 MS				
Client ID:	LMW-14MS-20190429				
Operator ID:	AEM	ALS Bottle#:	26	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

14 Vinyl chloride, CAS: 75-01-4

Signal: 1

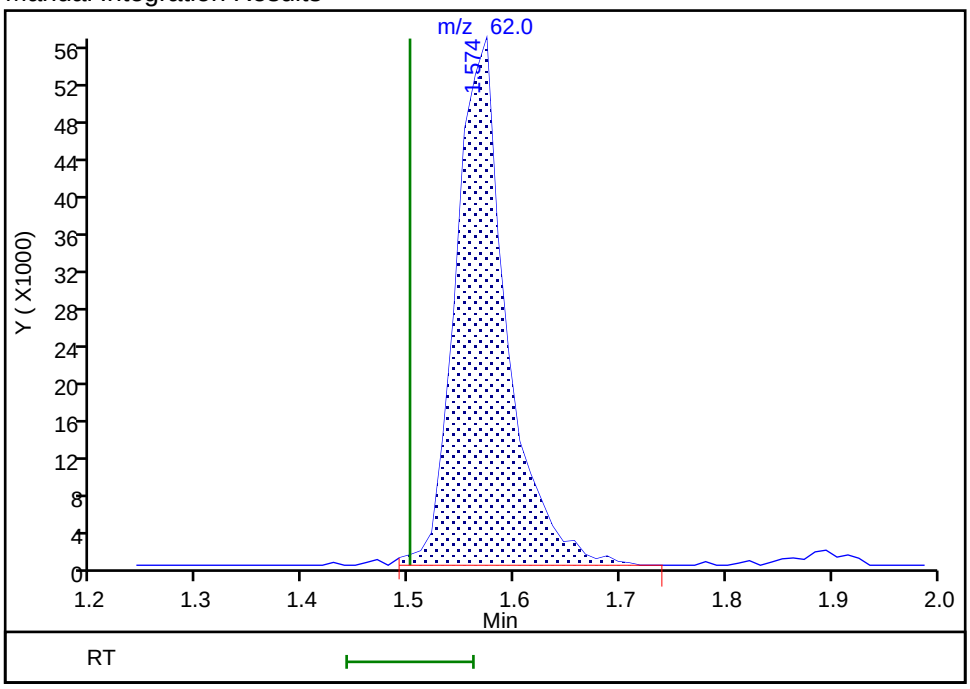
Not Detected
Expected RT: 1.50

Processing Integration Results



Manual Integration Results

RT: 1.57
Area: 187990
Amount: 29.011775
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 00:52:01
Audit Action: Assigned Compound ID Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-02-20190430 MS Lab Sample ID: 480-152814-12 MS

Matrix: Water Lab File ID: S4735.D

Analysis Method: 8260C Date Collected: 04/30/2019 11:00

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 18:19

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.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	466		20	16
79-34-5	1,1,2,2-Tetrachloroethane	515		20	4.2
79-00-5	1,1,2-Trichloroethane	532		20	4.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	547		20	6.2
75-34-3	1,1-Dichloroethane	476		20	7.6
75-35-4	1,1-Dichloroethene	487		20	5.8
120-82-1	1,2,4-Trichlorobenzene	454		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	437		20	7.8
95-50-1	1,2-Dichlorobenzene	478		20	16
107-06-2	1,2-Dichloroethane	430		20	4.2
78-87-5	1,2-Dichloropropane	555		20	14
541-73-1	1,3-Dichlorobenzene	510		20	16
106-46-7	1,4-Dichlorobenzene	489		20	17
78-93-3	2-Butanone (MEK)	2350		200	26
591-78-6	2-Hexanone	2450		100	25
108-10-1	4-Methyl-2-pentanone (MIBK)	2280		100	42
67-64-1	Acetone	2110		200	60
71-43-2	Benzene	516		20	8.2
75-27-4	Bromodichloromethane	501		20	7.8
75-25-2	Bromoform	495		20	5.2
74-83-9	Bromomethane	498		20	14
75-15-0	Carbon disulfide	513		20	3.8
56-23-5	Carbon tetrachloride	494		20	5.4
108-90-7	Chlorobenzene	505		20	15
124-48-1	Dibromochloromethane	512		20	6.4
75-00-3	Chloroethane	515		20	6.4
67-66-3	Chloroform	445		20	6.8
74-87-3	Chloromethane	538		20	7.0
156-59-2	cis-1,2-Dichloroethene	453		20	16
10061-01-5	cis-1,3-Dichloropropene	533		20	7.2
110-82-7	Cyclohexane	546		20	3.6
75-71-8	Dichlorodifluoromethane	603		20	14
100-41-4	Ethylbenzene	499		20	15
106-93-4	1,2-Dibromoethane	485		20	15
98-82-8	Isopropylbenzene	511		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-02-20190430 MS Lab Sample ID: 480-152814-12 MS

Matrix: Water Lab File ID: S4735.D

Analysis Method: 8260C Date Collected: 04/30/2019 11:00

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 18:19

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.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	874		50	26
1634-04-4	Methyl tert-butyl ether	416		20	3.2
108-87-2	Methylcyclohexane	529		20	3.2
75-09-2	Methylene Chloride	502		20	8.8
100-42-5	Styrene	489		20	15
127-18-4	Tetrachloroethene	486		20	7.2
108-88-3	Toluene	521		20	10
156-60-5	trans-1,2-Dichloroethene	471		20	18
10061-02-6	trans-1,3-Dichloropropene	532		20	7.4
79-01-6	Trichloroethene	483		20	9.2
75-69-4	Trichlorofluoromethane	510		20	18
75-01-4	Vinyl chloride	548		20	18
1330-20-7	Xylenes, Total	949		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		77-120
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
1868-53-7	Dibromofluoromethane (Surr)	89		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4735.D
Lims ID: 480-152814-A-12 MS
Client ID:
Sample Type: MS
Inject. Date: 09-May-2019 18:19:30 ALS Bottle#: 21 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 480-152814-A-12 MS
Misc. Info.: 480-0080927-028
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 16:59:25 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: CTX0316

First Level Reviewer: milligana Date: 09-May-2019 18:39:36

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	119725	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	87	241118	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	57	226416	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.889	4.889	0.000	57	145486	25.0	22.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.194	-0.001	48	95378	25.0	23.6	
$ 5 Toluene-d8 (Surr)	98	6.982	6.976	0.006	76	597332	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	88	171492	25.0	23.2	
10 Dichlorodifluoromethane	85	1.276	1.276	0.000	97	213598	25.0	30.1	
12 Chloromethane	50	1.452	1.458	-0.006	89	233143	25.0	26.9	
13 Vinyl chloride	62	1.549	1.549	0.000	76	222019	25.0	27.4	
14 Bromomethane	94	1.847	1.848	-0.001	89	139681	25.0	24.9	
15 Chloroethane	64	1.945	1.945	0.000	99	140354	25.0	25.7	
17 Trichlorofluoromethane	101	2.170	2.170	0.000	63	266582	25.0	25.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.675	2.675	0.000	62	162738	25.0	27.3	
22 1,1-Dichloroethene	96	2.675	2.681	-0.006	88	147016	25.0	24.4	
23 Acetone	43	2.802	2.803	-0.001	99	337471	125.0	105.6	
26 Carbon disulfide	76	2.882	2.882	0.000	98	516185	25.0	25.6	
27 Methyl acetate	43	3.101	3.101	0.000	98	340879	50.0	43.7	
30 Methylene Chloride	84	3.204	3.198	0.006	86	180940	25.0	25.1	
32 Methyl tert-butyl ether	73	3.411	3.411	0.000	91	465610	25.0	20.8	
34 trans-1,2-Dichloroethene	96	3.429	3.423	0.006	92	171987	25.0	23.6	
39 1,1-Dichloroethane	63	3.855	3.849	0.006	85	307667	25.0	23.8	
45 cis-1,2-Dichloroethene	96	4.415	4.415	0.000	67	183536	25.0	22.7	
43 2-Butanone (MEK)	43	4.451	4.451	0.000	94	527533	125.0	117.6	
50 Chloroform	83	4.731	4.731	0.000	70	287591	25.0	22.2	
51 1,1,1-Trichloroethane	97	4.840	4.835	0.005	76	237506	25.0	23.3	
52 Cyclohexane	56	4.840	4.841	-0.001	90	331774	25.0	27.3	
55 Carbon tetrachloride	117	4.974	4.968	0.006	89	213939	25.0	24.7	
57 Benzene	78	5.193	5.194	-0.001	96	713098	25.0	25.8	
58 1,2-Dichloroethane	62	5.266	5.267	-0.001	88	240241	25.0	21.5	
62 Trichloroethene	95	5.808	5.808	0.000	97	170870	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
64 Methylcyclohexane	83	5.923	5.917	0.006	90	317895	25.0	26.5	
65 1,2-Dichloropropane	63	6.051	6.051	0.000	95	175978	25.0	27.7	
68 Dichlorobromomethane	83	6.343	6.343	0.000	98	213237	25.0	25.1	
72 cis-1,3-Dichloropropene	75	6.763	6.757	0.006	90	268502	25.0	26.7	
73 4-Methyl-2-pentanone (MIBK	43	6.903	6.903	0.000	96	1024204	125.0	114.1	
74 Toluene	92	7.043	7.043	0.000	89	439650	25.0	26.0	
77 trans-1,3-Dichloropropene	75	7.329	7.329	0.000	90	243413	25.0	26.6	
79 1,1,2-Trichloroethane	83	7.523	7.517	0.006	93	131863	25.0	26.6	
81 Tetrachloroethene	166	7.572	7.572	0.000	77	176709	25.0	24.3	
80 2-Hexanone	43	7.748	7.749	-0.001	93	690898	125.0	122.4	
83 Chlorodibromomethane	129	7.919	7.919	0.000	87	156280	25.0	25.6	
84 Ethylene Dibromide	107	8.022	8.022	0.000	94	156354	25.0	24.3	
87 Chlorobenzene	112	8.497	8.491	0.006	93	474458	25.0	25.2	
88 Ethylbenzene	91	8.588	8.582	0.006	98	789592	25.0	24.9	
90 m-Xylene & p-Xylene	106	8.710	8.704	0.006	98	310354		24.4	
91 o-Xylene	106	9.135	9.136	-0.001	97	295987		23.0	
92 Styrene	104	9.166	9.166	0.000	94	488392	25.0	24.4	
95 Bromoform	173	9.421	9.415	0.005	96	101073	25.0	24.7	
94 Isopropylbenzene	105	9.519	9.513	0.006	95	798468	25.0	25.5	
97 1,1,2,2-Tetrachloroethane	83	9.926	9.926	-0.001	80	223144	25.0	25.8	
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	71	382132	25.0	25.5	
113 1,4-Dichlorobenzene	146	10.869	10.869	0.000	93	375863	25.0	24.4	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	91	379695	25.0	23.9	
117 1,2-Dibromo-3-Chloropropan	75	11.958	11.952	0.006	79	42606	25.0	21.8	
119 1,2,4-Trichlorobenzene	180	12.621	12.621	-0.001	93	276464	25.0	22.7	
S 124 Xylenes, Total	1				0			47.4	

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

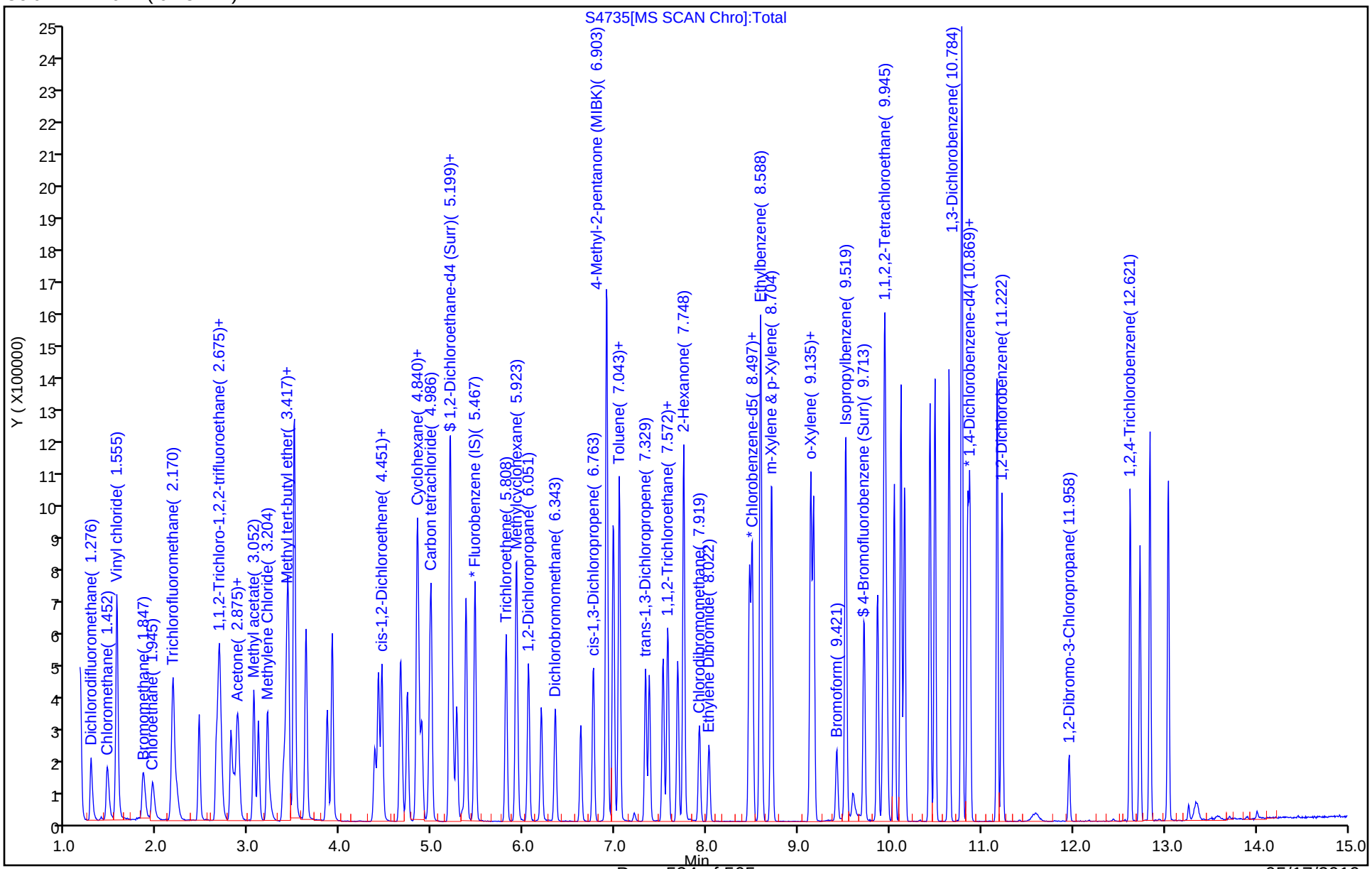
Report Date: 09-May-2019 19:02:47 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4735.D

Injection Date:	09-May-2019 18:19:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-152814-A-12 MS			Worklist Smp#:	28
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	21
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.: 480-152814-1

SDG No.:

Client Sample ID: LMW-14-MSD20190429 MSD Lab Sample ID: 480-152814-2 MSD

Matrix: Water Lab File ID: T0667.D

Analysis Method: 8260C Date Collected: 04/29/2019 11:00

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 19:14

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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	30.5		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.5		1.0	0.21
79-00-5	1,1,2-Trichloroethane	27.2		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26.8		1.0	0.31
75-34-3	1,1-Dichloroethane	28.5		1.0	0.38
75-35-4	1,1-Dichloroethene	24.1		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	23.6		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	24.2		1.0	0.39
95-50-1	1,2-Dichlorobenzene	24.5		1.0	0.79
107-06-2	1,2-Dichloroethane	27.5		1.0	0.21
78-87-5	1,2-Dichloropropane	29.8		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.1		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.8		1.0	0.84
78-93-3	2-Butanone (MEK)	134		10	1.3
591-78-6	2-Hexanone	143		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	142		5.0	2.1
67-64-1	Acetone	122		10	3.0
71-43-2	Benzene	27.2		1.0	0.41
75-27-4	Bromodichloromethane	29.6		1.0	0.39
75-25-2	Bromoform	36.4		1.0	0.26
74-83-9	Bromomethane	28.0		1.0	0.69
75-15-0	Carbon disulfide	24.9		1.0	0.19
56-23-5	Carbon tetrachloride	35.8		1.0	0.27
108-90-7	Chlorobenzene	24.6		1.0	0.75
124-48-1	Dibromochloromethane	32.5		1.0	0.32
75-00-3	Chloroethane	34.2		1.0	0.32
67-66-3	Chloroform	28.1		1.0	0.34
74-87-3	Chloromethane	30.5		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.2		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.9		1.0	0.36
110-82-7	Cyclohexane	28.3		1.0	0.18
75-71-8	Dichlorodifluoromethane	27.3		1.0	0.68
100-41-4	Ethylbenzene	27.3		1.0	0.74
106-93-4	1,2-Dibromoethane	24.8		1.0	0.73
98-82-8	Isopropylbenzene	24.4		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-14-MSD20190429 MSD Lab Sample ID: 480-152814-2 MSD

Matrix: Water Lab File ID: T0667.D

Analysis Method: 8260C Date Collected: 04/29/2019 11:00

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 19:14

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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	48.7		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.4		1.0	0.16
108-87-2	Methylcyclohexane	27.5		1.0	0.16
75-09-2	Methylene Chloride	24.5		1.0	0.44
100-42-5	Styrene	26.0		1.0	0.73
127-18-4	Tetrachloroethene	30.2		1.0	0.36
108-88-3	Toluene	26.5		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	26.2		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.3		1.0	0.37
79-01-6	Trichloroethene	25.8		1.0	0.46
75-69-4	Trichlorofluoromethane	26.6		1.0	0.88
75-01-4	Vinyl chloride	30.8		1.0	0.90
1330-20-7	Xylenes, Total	53.4		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		77-120
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0667.D
Lims ID: 480-152814-A-2 MSD
Client ID: LMW-14-MSD20190429
Sample Type: MSD
Inject. Date: 08-May-2019 19:14:30 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-152814-a-2 msd
Misc. Info.: 480-0080903-028
Operator ID: AEM Instrument ID: HP5975T

Method: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 00:54:12 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: CTX0301

First Level Reviewer: milligana Date: 09-May-2019 00:54:14

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	101319	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.149	7.149	0.000	88	404670	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.014	9.014	0.000	94	233986	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.403	4.392	0.011	93	137703	25.0	26.2	
$ 4 1,2-Dichloroethane-d4 (Sur	65	4.651	4.641	0.010	0	180242	25.0	29.5	
$ 6 Toluene-d8 (Surr)	98	6.030	6.030	0.000	95	543800	25.0	25.3	
$ 7 4-Bromofluorobenzene (Surr	174	8.081	8.082	-0.001	0	178300	25.0	27.9	
11 Dichlorodifluoromethane	85	1.325	1.325	0.062	98	149799	25.0	27.3	a
13 Chloromethane	50	1.480	1.480	0.072	95	219699	25.0	30.5	Ma
14 Vinyl chloride	62	1.573	1.573	0.072	96	201352	25.0	30.8	a
15 Bromomethane	94	1.832	1.832	0.072	95	154220	25.0	28.0	a
16 Chloroethane	64	1.884	1.884	0.062	97	128587	25.0	34.2	a
17 Trichlorofluoromethane	101	2.123	2.123	0.062	96	264868	25.0	26.6	a
22 1,1-Dichloroethene	96	2.548	2.496	0.052	96	113607	25.0	24.1	
20 1,1,2-Trichloro-1,2,2-trif	101	2.568	2.568	0.062	86	119752	25.0	26.8	a
23 Acetone	43	2.651	2.610	0.041	97	180263	125.0	122.4	
25 Carbon disulfide	76	2.724	2.682	0.042	98	398526	25.0	24.9	
28 Methyl acetate	43	2.910	2.879	0.031	96	183835	50.0	48.7	
30 Methylene Chloride	84	3.014	2.973	0.041	98	147645	25.0	24.5	
32 trans-1,2-Dichloroethene	96	3.200	3.169	0.031	95	144029	25.0	26.2	
33 Methyl tert-butyl ether	73	3.200	3.169	0.031	85	327494	25.0	24.4	
36 1,1-Dichloroethane	63	3.553	3.532	0.021	97	262985	25.0	28.5	
43 cis-1,2-Dichloroethene	96	4.019	4.009	0.010	84	150364	25.0	25.2	
44 2-Butanone (MEK)	43	4.050	4.030	0.020	100	313145	125.0	134.2	
50 Chloroform	83	4.278	4.258	0.020	97	257413	25.0	28.1	
51 1,1,1-Trichloroethane	97	4.382	4.361	0.021	95	201647	25.0	30.5	
52 Cyclohexane	56	4.382	4.361	0.021	95	244495	25.0	28.3	
53 Carbon tetrachloride	117	4.485	4.465	0.020	63	158670	25.0	35.8	
55 Benzene	78	4.651	4.641	0.010	96	574656	25.0	27.2	
57 1,2-Dichloroethane	62	4.703	4.693	0.010	96	212263	25.0	27.5	
60 Trichloroethene	95	5.128	5.118	0.010	95	139297	25.0	25.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83	5.232	5.221	0.011	94	232998	25.0	27.5	
63 1,2-Dichloropropane	63	5.325	5.315	0.010	89	154001	25.0	29.8	
67 Dichlorobromomethane	83	5.542	5.543	-0.001	96	180786	25.0	29.6	
71 cis-1,3-Dichloropropene	75	5.864	5.853	0.011	89	192292	25.0	26.9	
72 4-Methyl-2-pentanone (MIBK	43	5.967	5.967	0.000	99	711247	125.0	141.8	
73 Toluene	92	6.081	6.071	0.010	97	367247	25.0	26.5	
75 trans-1,3-Dichloropropene	75	6.289	6.289	0.000	97	169565	25.0	25.3	
78 1,1,2-Trichloroethane	83	6.434	6.434	0.000	91	112395	25.0	27.2	
79 Tetrachloroethene	166	6.485	6.475	0.010	95	163995	25.0	30.2	
81 2-Hexanone	43	6.599	6.600	-0.001	99	462615	125.0	143.2	
82 Chlorodibromomethane	129	6.745	6.734	0.011	89	110778	25.0	32.5	
83 Ethylene Dibromide	107	6.827	6.817	0.010	98	118083	25.0	24.8	
86 Chlorobenzene	112	7.169	7.170	-0.001	93	393205	25.0	24.6	
88 Ethylbenzene	91	7.232	7.232	0.000	99	701833	25.0	27.3	
90 m-Xylene & p-Xylene	106	7.325	7.325	0.000	0	268908		26.4	
91 o-Xylene	106	7.646	7.646	0.000	97	265118		27.0	
92 Styrene	104	7.667	7.667	0.000	96	436604	25.0	26.0	
93 Bromoform	173	7.864	7.854	0.010	94	58862	25.0	36.4	
95 Isopropylbenzene	105	7.926	7.926	0.000	97	668810	25.0	24.4	
98 1,1,2,2-Tetrachloroethane	83	8.237	8.237	0.000	94	158668	25.0	24.5	
110 1,3-Dichlorobenzene	146	8.962	8.962	0.000	98	339650	25.0	24.1	
113 1,4-Dichlorobenzene	146	9.035	9.035	0.000	92	338082	25.0	23.8	
116 1,2-Dichlorobenzene	146	9.346	9.346	0.000	97	335528	25.0	24.5	
117 1,2-Dibromo-3-Chloropropan	75	10.019	10.019	0.000	83	19938	25.0	24.2	
119 1,2,4-Trichlorobenzene	180	10.662	10.662	0.000	93	237276	25.0	23.6	
S 126 Xylenes, Total	1				0			53.4	

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_00188	Amount Added:	1.00	Units: uL	Run Reagent
T_8260_IS_00218	Amount Added:	1.00	Units: uL	Run Reagent

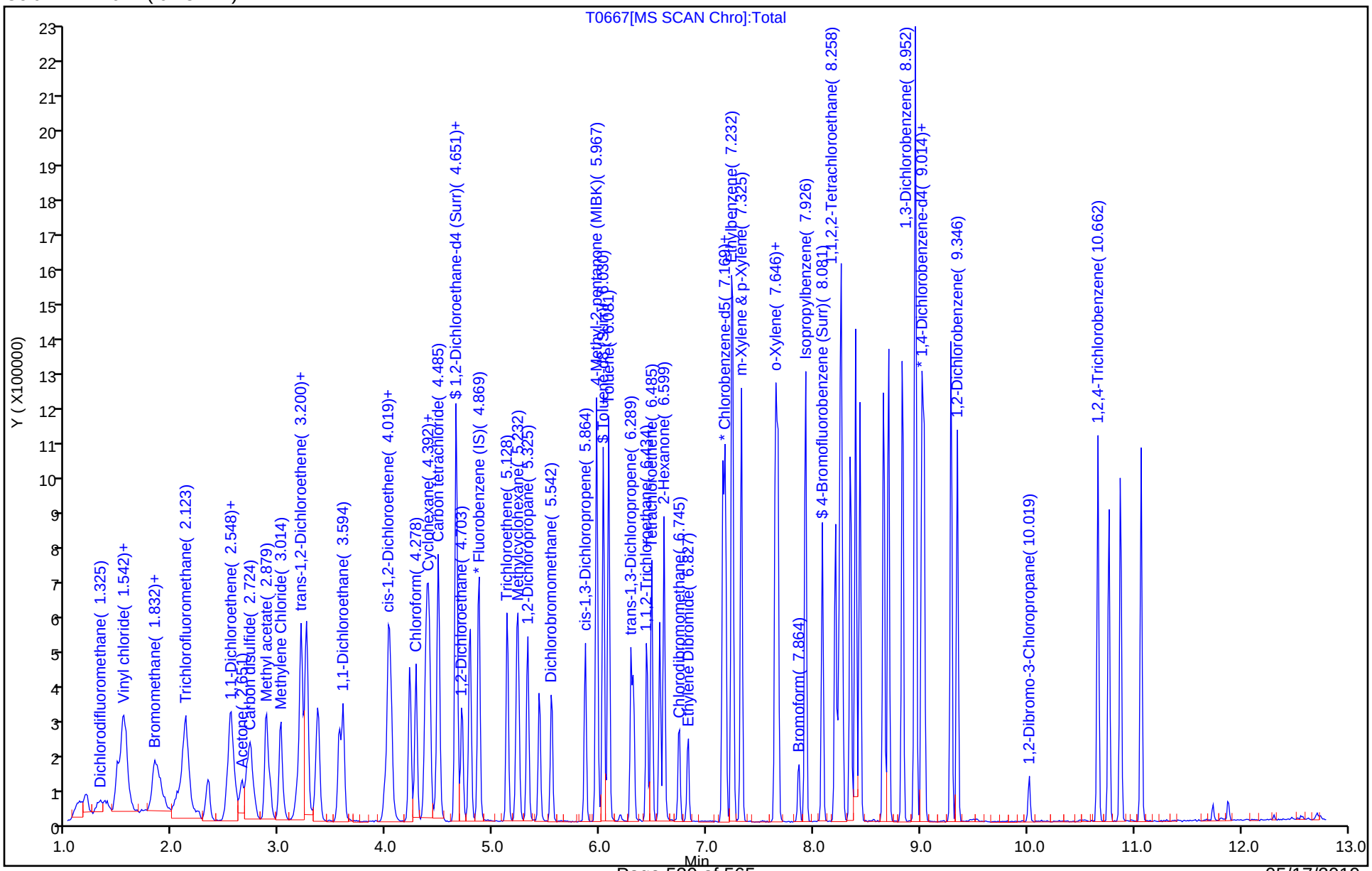
Report Date: 09-May-2019 00:54:14 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0667.D

Injection Date:	08-May-2019 19:14:30	Instrument ID:	HP5975T	Operator ID:	AEM
Lims ID:	480-152814-A-2 MSD			Worklist Smp#:	28
Client ID:	LMW-14-MSD20190429				
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)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

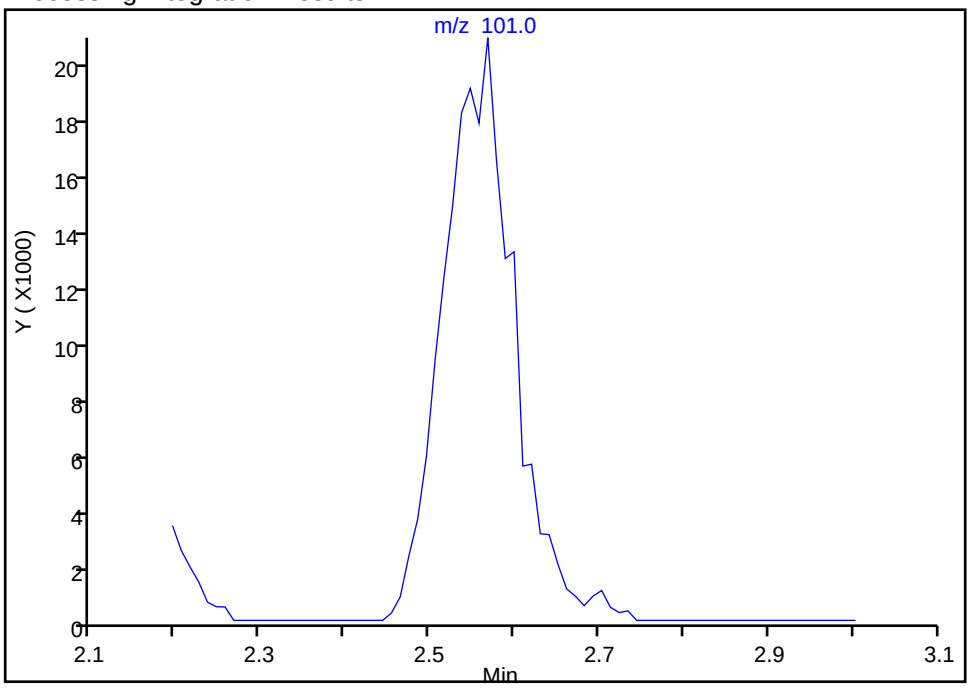
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0667.D				
Injection Date:	08-May-2019 19:14:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-2 MSD				
Client ID:	LMW-14-MSD20190429				
Operator ID:	AEM	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

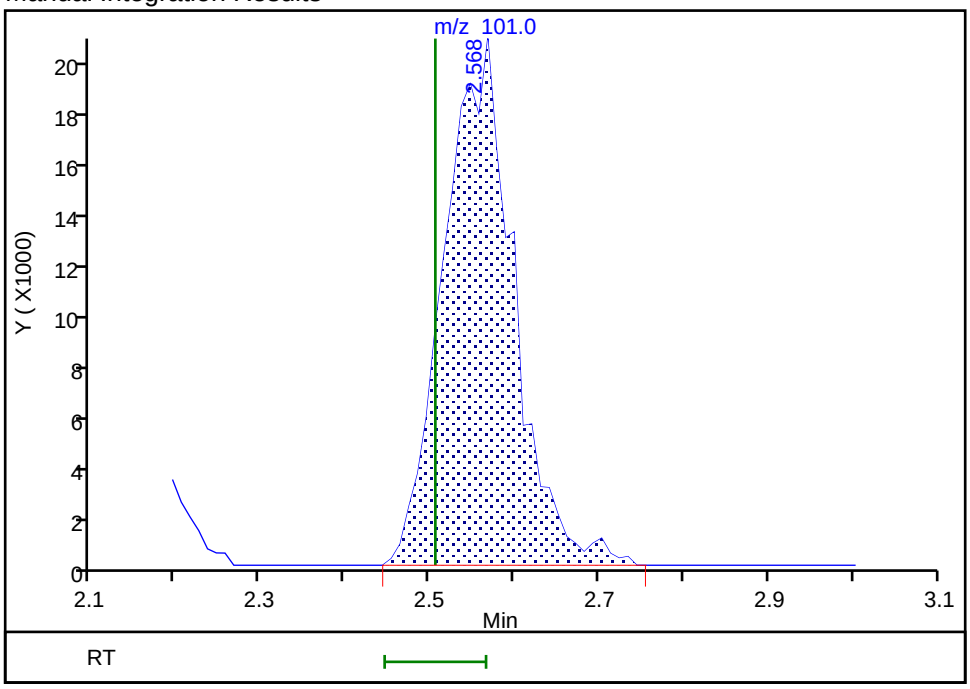
Not Detected
Expected RT: 2.51

Processing Integration Results



Manual Integration Results

RT: 2.57
Area: 119752
Amount: 26.782859
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 00:53:30
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

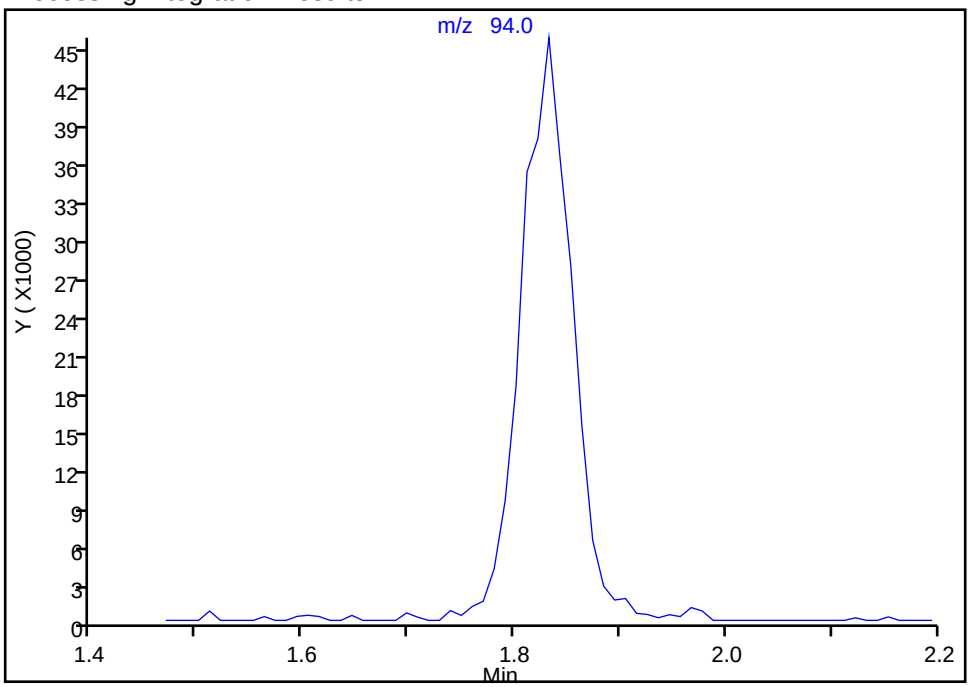
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0667.D				
Injection Date:	08-May-2019 19:14:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-2 MSD				
Client ID:	LMW-14-MSD20190429				
Operator ID:	AEM	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

15 Bromomethane, CAS: 74-83-9

Signal: 1

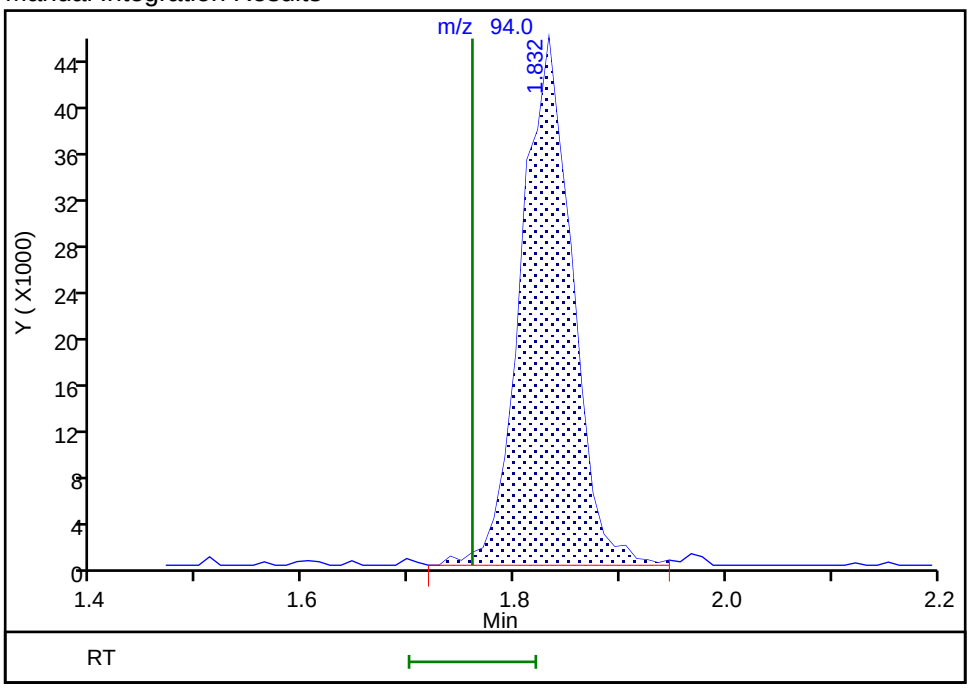
Not Detected
Expected RT: 1.76

Processing Integration Results



Manual Integration Results

RT: 1.83
Area: 154220
Amount: 28.015330
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 00:53:21
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

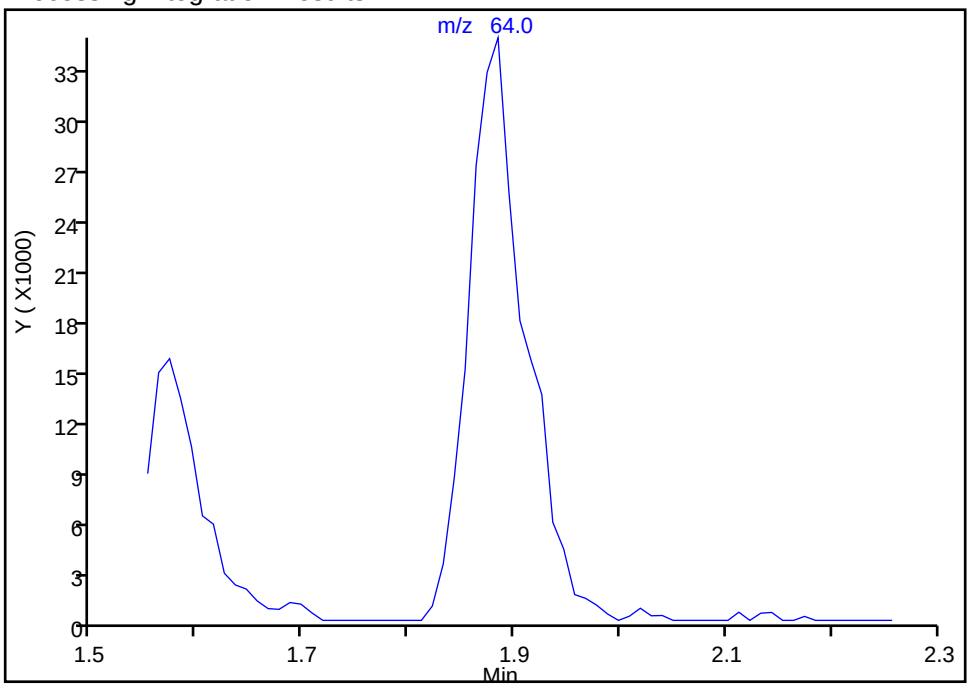
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0667.D				
Injection Date:	08-May-2019 19:14:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-2 MSD				
Client ID:	LMW-14-MSD20190429				
Operator ID:	AEM	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

16 Chloroethane, CAS: 75-00-3

Signal: 1

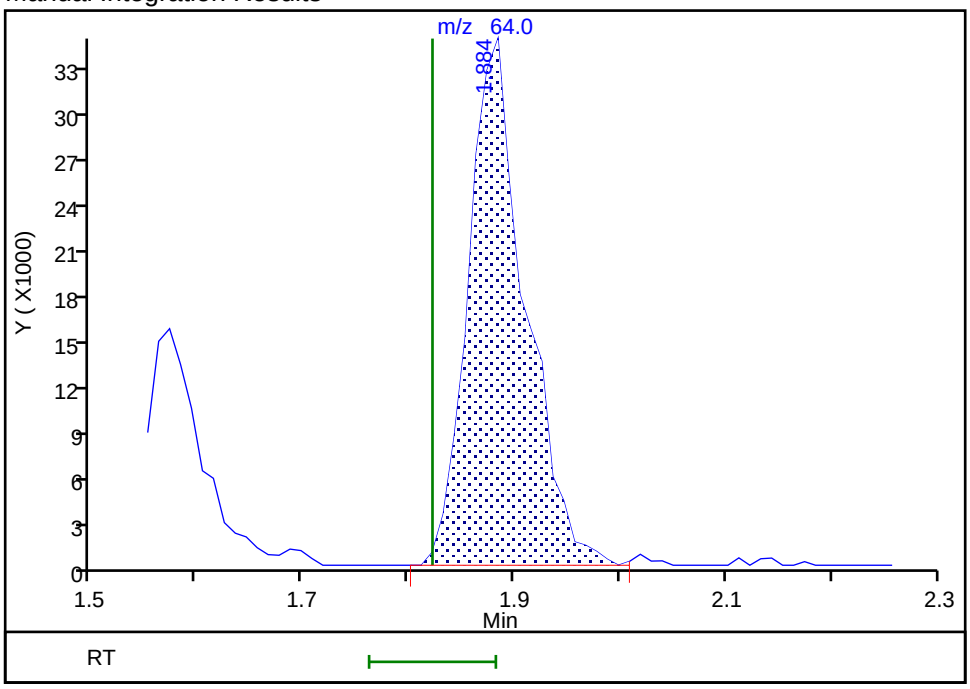
Not Detected
Expected RT: 1.82

Processing Integration Results



Manual Integration Results

RT: 1.88
Area: 128587
Amount: 34.228023
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 00:53:25
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

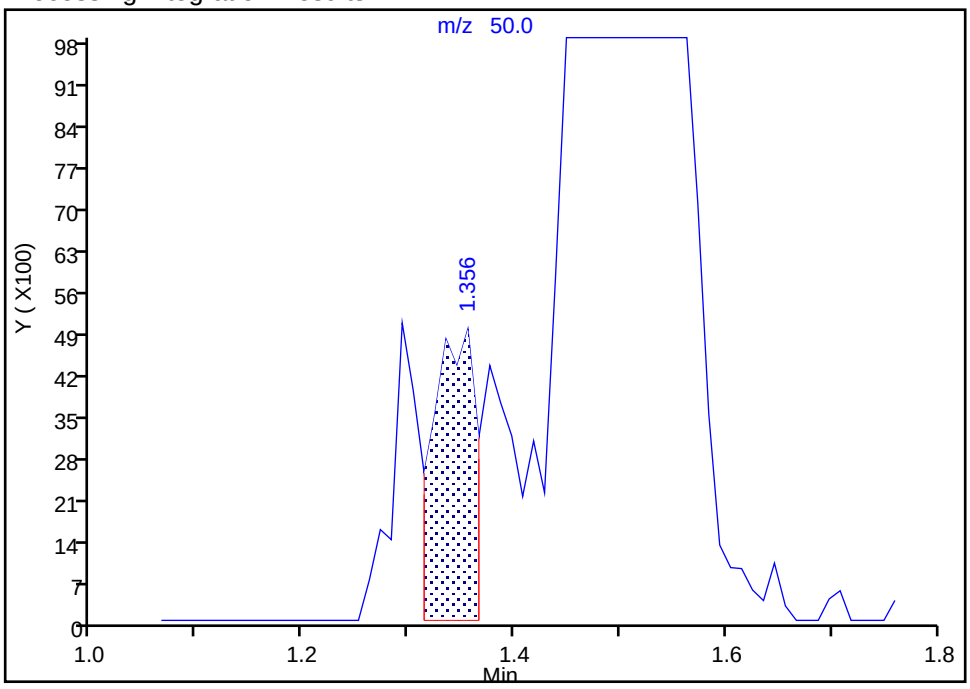
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0667.D
Injection Date: 08-May-2019 19:14:30 Instrument ID: HP5975T
Lims ID: 480-152814-A-2 MSD
Client ID: LMW-14-MSD20190429
Operator ID: AEM ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

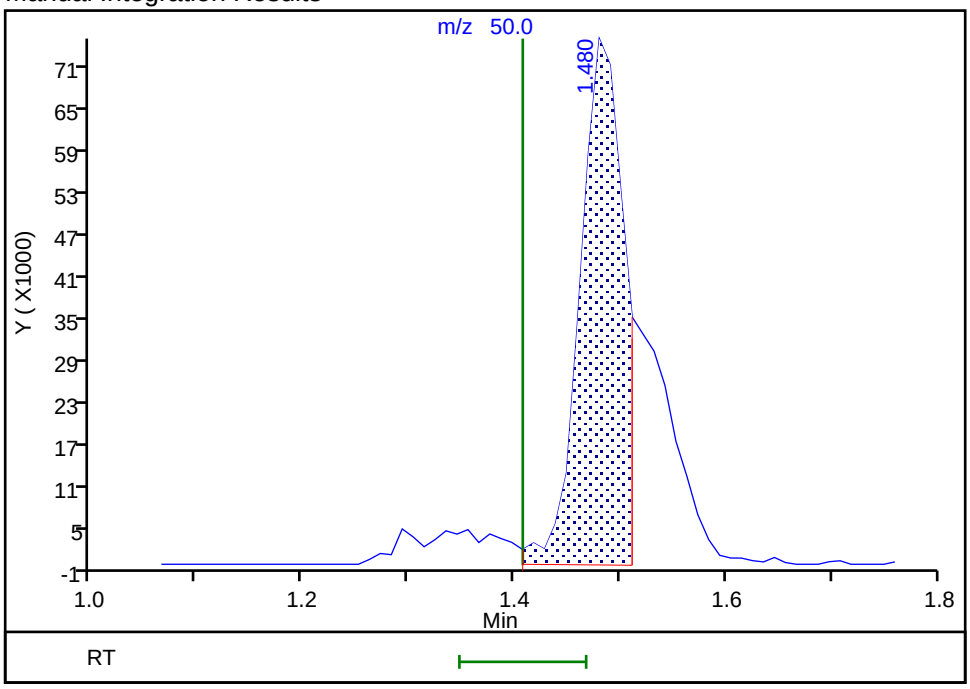
Processing Integration Results

RT: 1.36
Area: 14352
Amount: 1.994716
Amount Units: ug/L



Manual Integration Results

RT: 1.48
Area: 219699
Amount: 30.534919
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 00:53:16
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

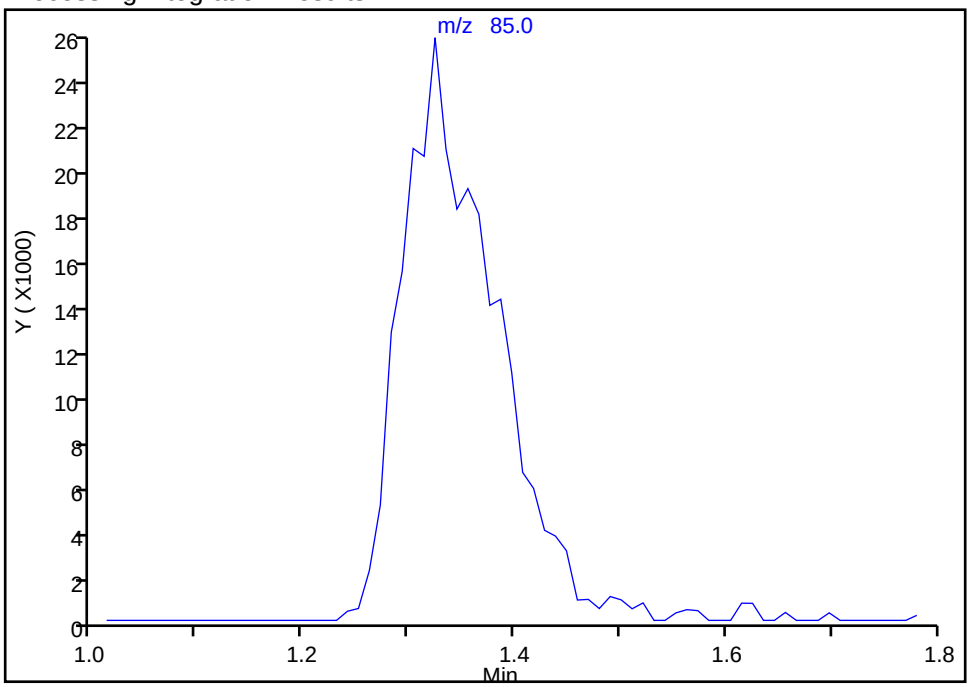
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0667.D				
Injection Date:	08-May-2019 19:14:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-2 MSD				
Client ID:	LMW-14-MSD20190429				
Operator ID:	AEM	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

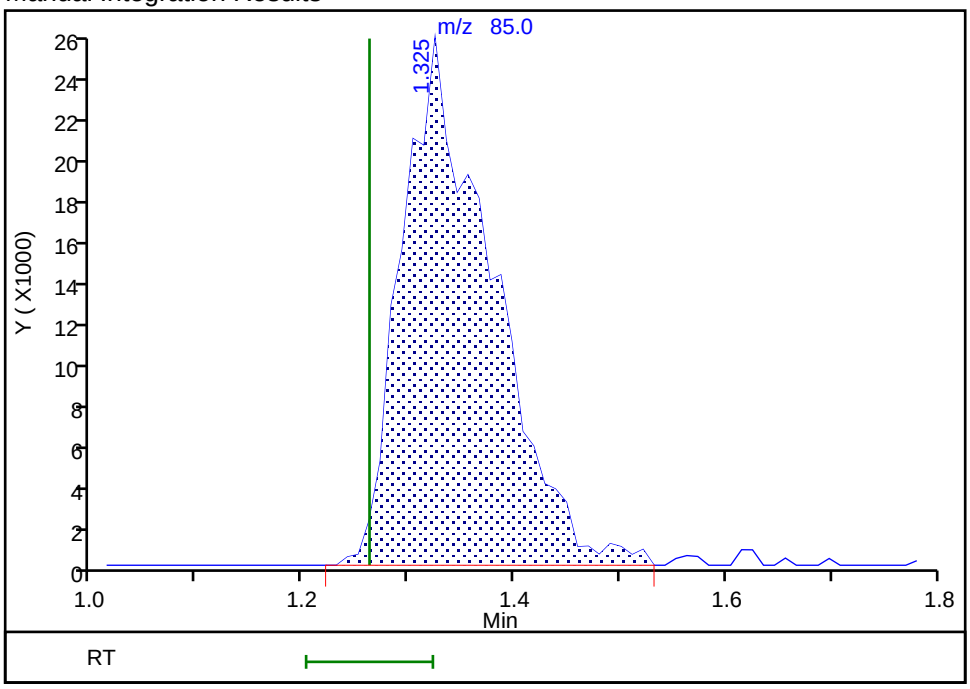
Not Detected
Expected RT: 1.26

Processing Integration Results



Manual Integration Results

RT: 1.32
Area: 149799
Amount: 27.250999
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 00:52:55
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

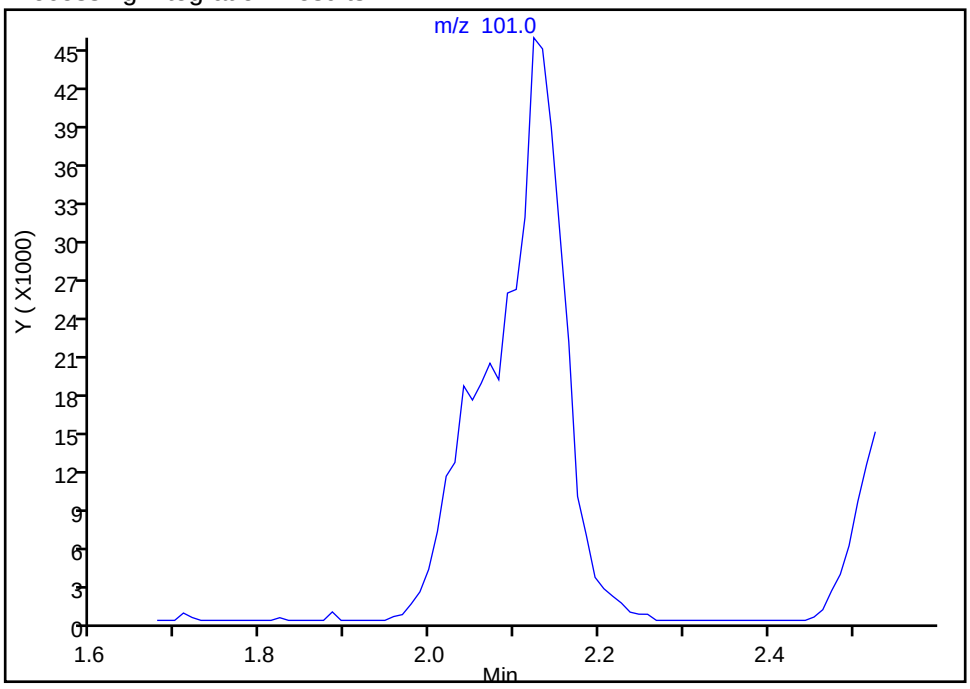
Data File:	\\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0667.D				
Injection Date:	08-May-2019 19:14:30	Instrument ID:	HP5975T		
Lims ID:	480-152814-A-2 MSD				
Client ID:	LMW-14-MSD20190429				
Operator ID:	AEM	ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

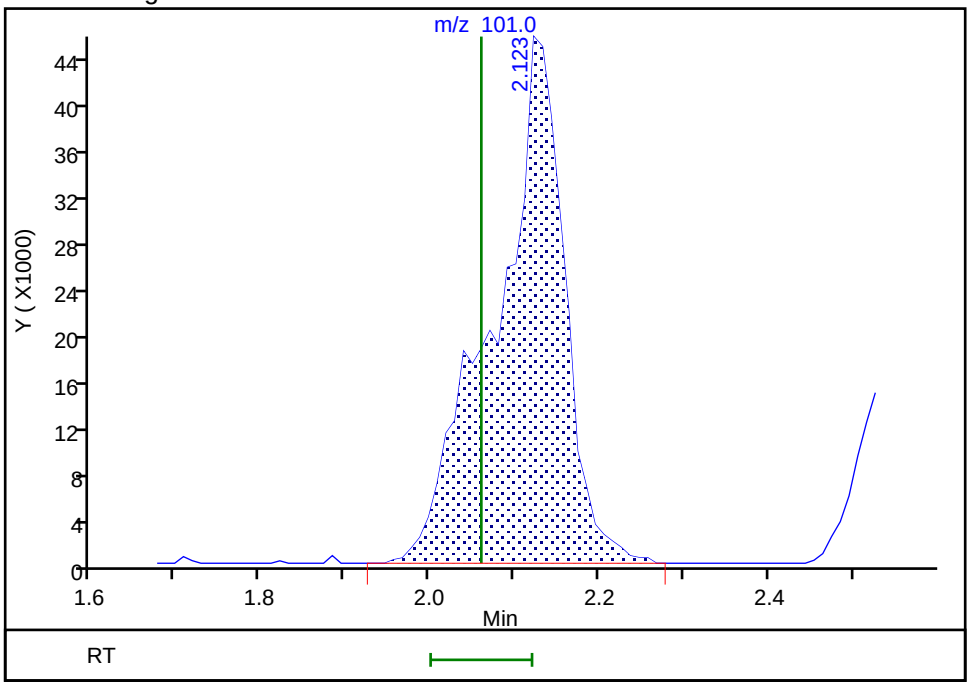
Not Detected
Expected RT: 2.06

Processing Integration Results



Manual Integration Results

RT: 2.12
Area: 264868
Amount: 26.553798
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 00:53:27
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

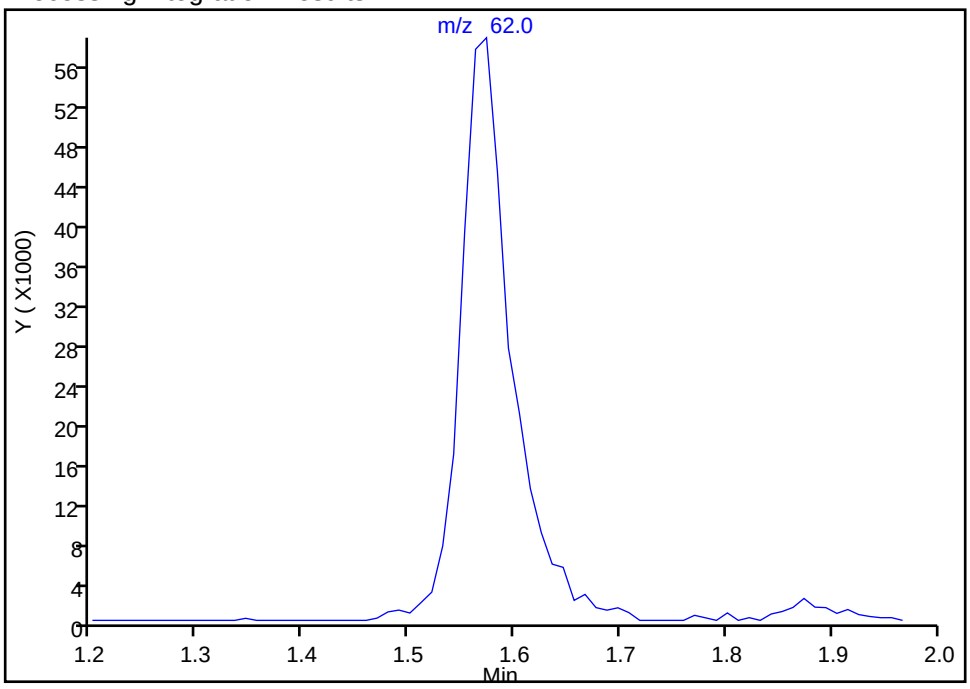
Data File: \\chromna\Buffalo\ChromData\HP5975T\20190508-80903.b\T0667.D
Injection Date: 08-May-2019 19:14:30 Instrument ID: HP5975T
Lims ID: 480-152814-A-2 MSD
Client ID: LMW-14-MSD20190429
Operator ID: AEM ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Vinyl chloride, CAS: 75-01-4

Signal: 1

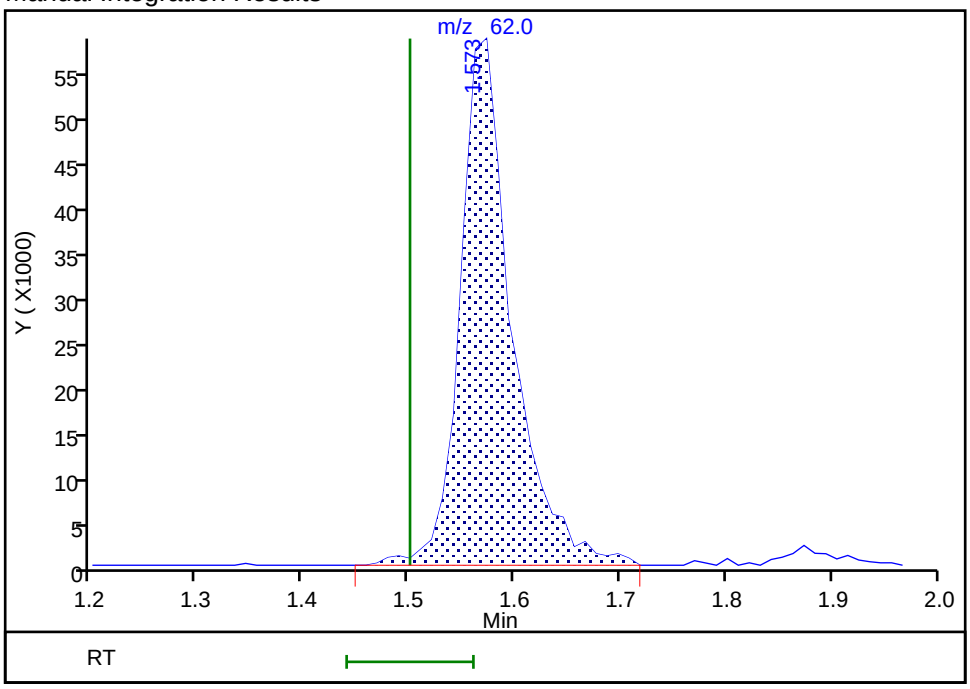
Not Detected
Expected RT: 1.50

Processing Integration Results



Manual Integration Results

RT: 1.57
Area: 201352
Amount: 30.840794
Amount Units: ug/L



Reviewer: milligana, 09-May-2019 00:53:20
Audit Action: Assigned Compound ID Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-02-20190430 MSD Lab Sample ID: 480-152814-12 MSD

Matrix: Water Lab File ID: S4736.D

Analysis Method: 8260C Date Collected: 04/30/2019 11:00

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 18:42

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.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	470		20	16
79-34-5	1,1,2,2-Tetrachloroethane	529		20	4.2
79-00-5	1,1,2-Trichloroethane	530		20	4.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	541		20	6.2
75-34-3	1,1-Dichloroethane	495		20	7.6
75-35-4	1,1-Dichloroethene	500		20	5.8
120-82-1	1,2,4-Trichlorobenzene	464		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	475		20	7.8
95-50-1	1,2-Dichlorobenzene	492		20	16
107-06-2	1,2-Dichloroethane	433		20	4.2
78-87-5	1,2-Dichloropropane	560		20	14
541-73-1	1,3-Dichlorobenzene	523		20	16
106-46-7	1,4-Dichlorobenzene	503		20	17
78-93-3	2-Butanone (MEK)	2390		200	26
591-78-6	2-Hexanone	2510		100	25
108-10-1	4-Methyl-2-pentanone (MIBK)	2340		100	42
67-64-1	Acetone	2160		200	60
71-43-2	Benzene	522		20	8.2
75-27-4	Bromodichloromethane	500		20	7.8
75-25-2	Bromoform	516		20	5.2
74-83-9	Bromomethane	490		20	14
75-15-0	Carbon disulfide	518		20	3.8
56-23-5	Carbon tetrachloride	501		20	5.4
108-90-7	Chlorobenzene	515		20	15
124-48-1	Dibromochloromethane	524		20	6.4
75-00-3	Chloroethane	520		20	6.4
67-66-3	Chloroform	460		20	6.8
74-87-3	Chloromethane	557		20	7.0
156-59-2	cis-1,2-Dichloroethene	470		20	16
10061-01-5	cis-1,3-Dichloropropene	533		20	7.2
110-82-7	Cyclohexane	552		20	3.6
75-71-8	Dichlorodifluoromethane	606		20	14
100-41-4	Ethylbenzene	506		20	15
106-93-4	1,2-Dibromoethane	498		20	15
98-82-8	Isopropylbenzene	527		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-02-20190430 MSD Lab Sample ID: 480-152814-12 MSD

Matrix: Water Lab File ID: S4736.D

Analysis Method: 8260C Date Collected: 04/30/2019 11:00

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 18:42

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.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	898		50	26
1634-04-4	Methyl tert-butyl ether	421		20	3.2
108-87-2	Methylcyclohexane	537		20	3.2
75-09-2	Methylene Chloride	498		20	8.8
100-42-5	Styrene	502		20	15
127-18-4	Tetrachloroethene	493		20	7.2
108-88-3	Toluene	523		20	10
156-60-5	trans-1,2-Dichloroethene	463		20	18
10061-02-6	trans-1,3-Dichloropropene	535		20	7.4
79-01-6	Trichloroethene	489		20	9.2
75-69-4	Trichlorofluoromethane	516		20	18
75-01-4	Vinyl chloride	559		20	18
1330-20-7	Xylenes, Total	968		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	89		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4736.D
Lims ID: 480-152814-A-12 MSD
Client ID:
Sample Type: MSD
Inject. Date: 09-May-2019 18:42:30 ALS Bottle#: 22 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 480-152814-A-12 MSD
Misc. Info.: 480-0080927-029
Operator ID: AM Instrument ID: HP5973S

Method: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 09-May-2019 16:59:25 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: CTX0316

First Level Reviewer: milligana Date: 09-May-2019 19:03:19

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	98	119509	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.466	8.466	0.000	85	239898	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.851	10.851	0.000	58	221180	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.883	4.889	-0.006	57	145607	25.0	22.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.193	5.194	-0.001	48	93510	25.0	23.2	
$ 5 Toluene-d8 (Surr)	98	6.976	6.976	0.000	79	607852	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.720	9.720	0.000	90	169710	25.0	23.1	
10 Dichlorodifluoromethane	85	1.276	1.276	0.000	87	214388	25.0	30.3	
12 Chloromethane	50	1.452	1.458	-0.006	88	240695	25.0	27.8	
13 Vinyl chloride	62	1.549	1.549	0.000	70	226121	25.0	28.0	
14 Bromomethane	94	1.854	1.848	0.006	89	136995	25.0	24.5	
15 Chloroethane	64	1.945	1.945	0.000	100	141566	25.0	26.0	
17 Trichlorofluoromethane	101	2.170	2.170	0.000	61	269213	25.0	25.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.675	2.675	0.000	61	160703	25.0	27.0	
22 1,1-Dichloroethene	96	2.675	2.681	-0.006	86	150657	25.0	25.0	
23 Acetone	43	2.803	2.803	0.000	100	344092	125.0	107.9	
26 Carbon disulfide	76	2.876	2.882	-0.006	98	520786	25.0	25.9	
27 Methyl acetate	43	3.101	3.101	0.000	95	349388	50.0	44.9	
30 Methylene Chloride	84	3.198	3.198	0.000	90	179402	25.0	24.9	
32 Methyl tert-butyl ether	73	3.411	3.411	0.000	92	470752	25.0	21.1	
34 trans-1,2-Dichloroethene	96	3.429	3.423	0.006	91	168553	25.0	23.1	
39 1,1-Dichloroethane	63	3.855	3.849	0.006	85	319157	25.0	24.7	
45 cis-1,2-Dichloroethene	96	4.415	4.415	0.000	69	189742	25.0	23.5	
43 2-Butanone (MEK)	43	4.451	4.451	0.000	98	535331	125.0	119.6	
50 Chloroform	83	4.731	4.731	0.000	79	296659	25.0	23.0	
51 1,1,1-Trichloroethane	97	4.841	4.835	0.006	78	239115	25.0	23.5	
52 Cyclohexane	56	4.841	4.841	0.000	89	334591	25.0	27.6	
55 Carbon tetrachloride	117	4.974	4.968	0.006	81	216222	25.0	25.0	
57 Benzene	78	5.193	5.194	-0.001	96	719708	25.0	26.1	
58 1,2-Dichloroethane	62	5.266	5.267	-0.001	73	241366	25.0	21.6	
62 Trichloroethene	95	5.808	5.808	0.000	92	172418	25.0	24.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.917	5.917	0.000	91	322163	25.0	26.9	
65 1,2-Dichloropropane	63	6.051	6.051	0.000	93	177547	25.0	28.0	
68 Dichlorobromomethane	83	6.343	6.343	0.000	92	212381	25.0	25.0	
72 cis-1,3-Dichloropropene	75	6.757	6.757	0.000	90	268007	25.0	26.7	
73 4-Methyl-2-pentanone (MIBK	43	6.903	6.903	0.000	95	1042804	125.0	116.8	
74 Toluene	92	7.043	7.043	0.000	88	439307	25.0	26.2	
77 trans-1,3-Dichloropropene	75	7.329	7.329	0.000	90	243570	25.0	26.8	
79 1,1,2-Trichloroethane	83	7.523	7.517	0.006	85	130648	25.0	26.5	
81 Tetrachloroethene	166	7.572	7.572	0.000	80	178519	25.0	24.7	
80 2-Hexanone	43	7.749	7.749	0.000	93	704826	125.0	125.5	
83 Chlorodibromomethane	129	7.919	7.919	0.000	85	159112	25.0	26.2	
84 Ethylene Dibromide	107	8.022	8.022	0.000	95	159540	25.0	24.9	
87 Chlorobenzene	112	8.497	8.491	0.006	93	481676	25.0	25.8	
88 Ethylbenzene	91	8.582	8.582	0.000	98	797927	25.0	25.3	
90 m-Xylene & p-Xylene	106	8.710	8.704	0.006	99	310719		24.6	
91 o-Xylene	106	9.136	9.136	0.000	97	304555		23.8	
92 Styrene	104	9.166	9.166	0.000	93	499589	25.0	25.1	
95 Bromoform	173	9.422	9.415	0.006	95	104912	25.0	25.8	
94 Isopropylbenzene	105	9.519	9.513	0.006	96	804036	25.0	26.3	
97 1,1,2,2-Tetrachloroethane	83	9.926	9.926	-0.001	74	223538	25.0	26.4	
111 1,3-Dichlorobenzene	146	10.784	10.784	0.000	69	382914	25.0	26.2	
113 1,4-Dichlorobenzene	146	10.869	10.869	0.000	92	377838	25.0	25.2	
116 1,2-Dichlorobenzene	146	11.222	11.222	0.000	92	381768	25.0	24.6	
117 1,2-Dibromo-3-Chloropropan	75	11.958	11.952	0.006	77	45250	25.0	23.7	
119 1,2,4-Trichlorobenzene	180	12.621	12.621	-0.001	93	276017	25.0	23.2	
S 124 Xylenes, Total	1				0			48.4	

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

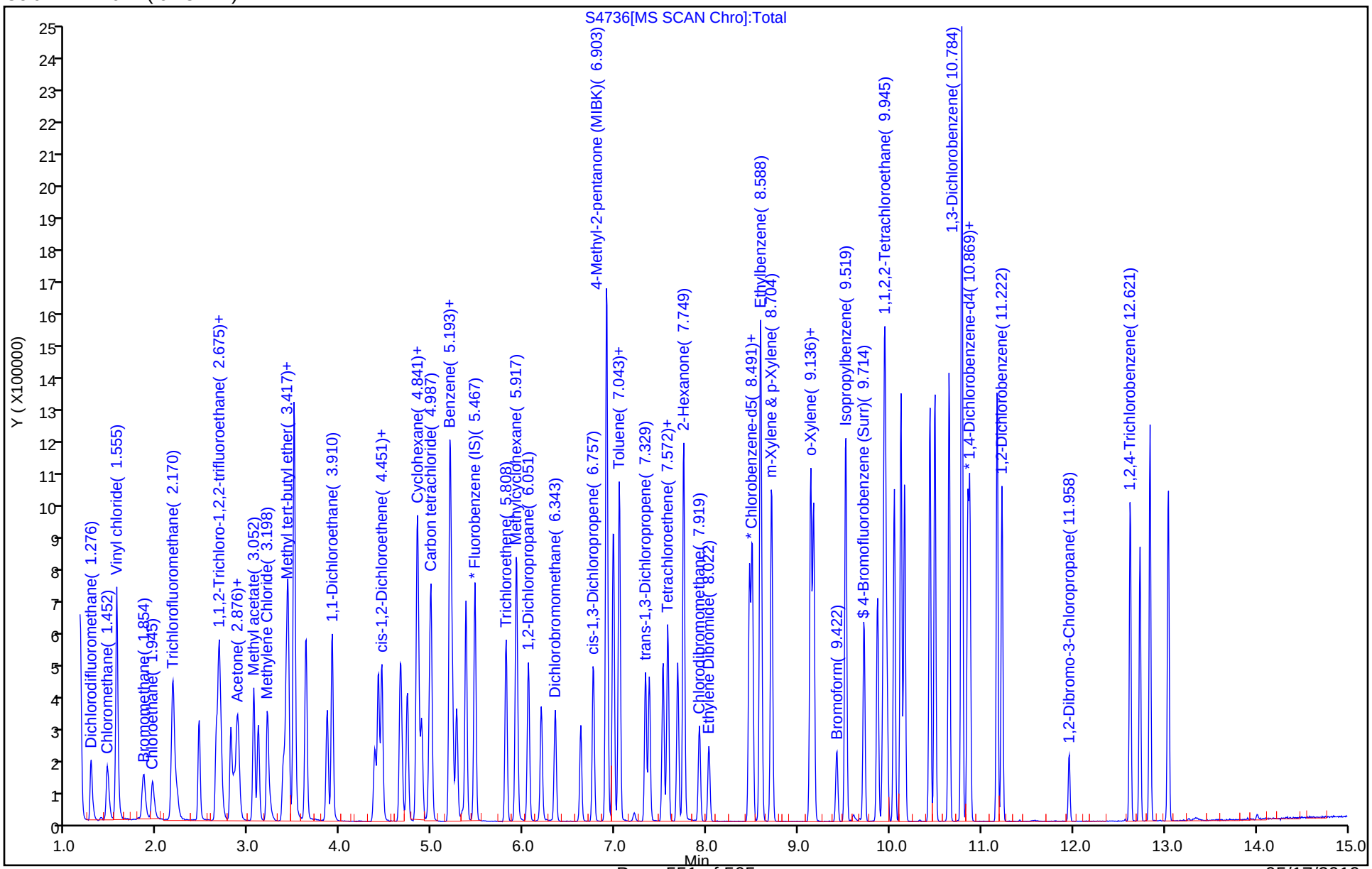
Report Date: 09-May-2019 19:03:20 Chrom Revision: 2.3 03-May-2019 15:52:00

Eurofins TestAmerica, Buffalo

Data File: \\chromna\Buffalo\ChromData\HP5973S\20190509-80927.b\S4736.D

Injection Date:	09-May-2019 18:42:30	Instrument ID:	HP5973S	Operator ID:	AM
Lims ID:	480-152814-A-12 MSD			Worklist Smp#:	29
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	22
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.: 480-152814-1

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, Buffalo Job No.: 480-152814-1

SDG No.:

Instrument ID: HP5973S Start Date: 05/08/2019 19:24

Analysis Batch Number: 471924 End Date: 05/09/2019 06:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-471924/2		05/08/2019 19:24	1	S4680.D	ZB-624 (20) 0.18(mm)
CCVIS 480-471924/3		05/08/2019 19:49	1	S4681.D	ZB-624 (20) 0.18(mm)
CCV 480-471924/4		05/08/2019 20:12	1		ZB-624 (20) 0.18(mm)
LCS 480-471924/5		05/08/2019 20:35	1	S4683.D	ZB-624 (20) 0.18(mm)
MB 480-471924/7		05/08/2019 21:22	1	S4685.D	ZB-624 (20) 0.18(mm)
ZZZZZ		05/08/2019 22:00	10		ZB-624 (20) 0.18(mm)
ZZZZZ		05/08/2019 22:23	20		ZB-624 (20) 0.18(mm)
ZZZZZ		05/08/2019 22:46	10		ZB-624 (20) 0.18(mm)
ZZZZZ		05/08/2019 23:09	20		ZB-624 (20) 0.18(mm)
ZZZZZ		05/08/2019 23:32	40		ZB-624 (20) 0.18(mm)
ZZZZZ		05/08/2019 23:55	10		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 00:18	10		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 00:42	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 01:05	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 01:28	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 01:51	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 02:14	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 02:38	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 03:01	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 03:24	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 03:47	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 04:10	1		ZB-624 (20) 0.18(mm)
480-152814-4		05/09/2019 04:33	8	S4703.D	ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 04:56	2		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 05:19	2		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 05:42	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 06:05	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Instrument ID: HP5973S Start Date: 05/09/2019 07:50

Analysis Batch Number: 471956 End Date: 05/09/2019 18:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-471956/2		05/09/2019 07:50	1	S4709.D	ZB-624 (20) 0.18(mm)
CCVIS 480-471956/3		05/09/2019 08:15	1	S4710.D	ZB-624 (20) 0.18(mm)
CCV 480-471956/4		05/09/2019 08:38	1		ZB-624 (20) 0.18(mm)
LCS 480-471956/5		05/09/2019 09:01	1	S4712.D	ZB-624 (20) 0.18(mm)
RL 480-471956/6		05/09/2019 09:25	1		ZB-624 (20) 0.18(mm)
MB 480-471956/7		05/09/2019 09:48	1	S4714.D	ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 10:36	2		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 10:59	2		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 11:22	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 11:45	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 12:09	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 12:32	1		ZB-624 (20) 0.18(mm)
480-152814-9		05/09/2019 12:55	1	S4721.D	ZB-624 (20) 0.18(mm)
480-152814-10		05/09/2019 13:18	1	S4722.D	ZB-624 (20) 0.18(mm)
480-152814-11		05/09/2019 13:41	1	S4723.D	ZB-624 (20) 0.18(mm)
480-152814-12		05/09/2019 14:04	20	S4724.D	ZB-624 (20) 0.18(mm)
480-152814-13		05/09/2019 14:28	2	S4725.D	ZB-624 (20) 0.18(mm)
480-152814-14		05/09/2019 14:51	2	S4726.D	ZB-624 (20) 0.18(mm)
480-152814-15		05/09/2019 15:14	2	S4727.D	ZB-624 (20) 0.18(mm)
480-152814-16		05/09/2019 15:37	1	S4728.D	ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 16:00	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 16:24	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 16:47	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 17:10	2		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 17:33	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/09/2019 17:56	25		ZB-624 (20) 0.18(mm)
480-152814-12 MS		05/09/2019 18:19	20	S4735.D	ZB-624 (20) 0.18(mm)
480-152814-12 MSD		05/09/2019 18:42	20	S4736.D	ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Instrument ID: HP5975T Start Date: 04/19/2019 16:04

Analysis Batch Number: 468875 End 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.: 480-152814-1

SDG No.:

Instrument ID: HP5975T Start Date: 05/08/2019 09:00

Analysis Batch Number: 471764 End Date: 05/08/2019 19:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-471764/2		05/08/2019 09:00	1	T0642.D	ZB-624 (20) 0.18(mm)
CCVIS 480-471764/3		05/08/2019 09:26	1	T0643.D	ZB-624 (20) 0.18(mm)
CCV 480-471764/4		05/08/2019 09:50	1		ZB-624 (20) 0.18(mm)
LCS 480-471764/5		05/08/2019 10:15	1	T0645.D	ZB-624 (20) 0.18(mm)
RL 480-471764/6		05/08/2019 10:39	1		ZB-624 (20) 0.18(mm)
MB 480-471764/7		05/08/2019 11:03	1	T0647.D	ZB-624 (20) 0.18(mm)
ZZZZZ		05/08/2019 11:36	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/08/2019 12:00	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/08/2019 12:24	2		ZB-624 (20) 0.18(mm)
ZZZZZ		05/08/2019 12:48	10		ZB-624 (20) 0.18(mm)
ZZZZZ		05/08/2019 13:12	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/08/2019 13:35	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/08/2019 14:00	40		ZB-624 (20) 0.18(mm)
ZZZZZ		05/08/2019 14:24	2		ZB-624 (20) 0.18(mm)
ZZZZZ		05/08/2019 14:48	20		ZB-624 (20) 0.18(mm)
480-152814-1		05/08/2019 15:13	1	T0657.D	ZB-624 (20) 0.18(mm)
480-152814-2		05/08/2019 15:37	1	T0658.D	ZB-624 (20) 0.18(mm)
480-152814-3		05/08/2019 16:01	1	T0659.D	ZB-624 (20) 0.18(mm)
ZZZZZ		05/08/2019 16:25	20		ZB-624 (20) 0.18(mm)
480-152814-5		05/08/2019 16:49	4	T0661.D	ZB-624 (20) 0.18(mm)
480-152814-6		05/08/2019 17:13	4	T0662.D	ZB-624 (20) 0.18(mm)
480-152814-7		05/08/2019 17:37	1	T0663.D	ZB-624 (20) 0.18(mm)
480-152814-8		05/08/2019 18:01	1	T0664.D	ZB-624 (20) 0.18(mm)
480-152814-17		05/08/2019 18:25	1	T0665.D	ZB-624 (20) 0.18(mm)
480-152814-2 MS		05/08/2019 18:49	1	T0666.D	ZB-624 (20) 0.18(mm)
480-152814-2 MSD		05/08/2019 19:14	1	T0667.D	ZB-624 (20) 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Batch Number: 471764 Batch Start Date: 05/08/19 09:00 Batch Analyst: Milligan, Amanda E

Batch 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 480-471764/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-471764/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-471764/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-471764/7		8260C		5 mL	5 mL				
480-152814-A-1	LMW-08-20190429	8260C	T	5 mL	5 mL	<2 SU			
480-152814-B-2	LMW-14-20190429	8260C	T	5 mL	5 mL	<2 SU			
480-152814-B-3	LMW-13-20190429	8260C	T	5 mL	5 mL	<2 SU			
480-152814-A-5	MW-209-20190429	8260C	T	5 mL	5 mL	<2 SU			
480-152814-A-6	MW-206-20190429	8260C	T	5 mL	5 mL	<2 SU			
480-152814-A-7	LMW-04-20190429	8260C	T	5 mL	5 mL	7 SU			
480-152814-A-8	LMW-06-20190429	8260C	T	5 mL	5 mL	7 SU			
480-152814-A-17	Trip Blank	8260C	T	5 mL	5 mL	<2 SU			
480-152814-A-2 MS	LMW-14MS-20190429	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-152814-A-2 MSD	LMW-14-MSD20190429	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	T_8260_IS 00218	T_8260_Surr 00188	AnalysisComment			
BFB 480-471764/2		8260C							
CCVIS 480-471764/3		8260C		1 uL	1 uL				
LCS 480-471764/5		8260C		1 uL	1 uL				
MB 480-471764/7		8260C		1 uL	1 uL				
480-152814-A-1	LMW-08-20190429	8260C	T	1 uL	1 uL				
480-152814-B-2	LMW-14-20190429	8260C	T	1 uL	1 uL				
480-152814-B-3	LMW-13-20190429	8260C	T	1 uL	1 uL				
480-152814-A-5	MW-209-20190429	8260C	T	1 uL	1 uL	Targets			
480-152814-A-6	MW-206-20190429	8260C	T	1 uL	1 uL	Targets			
480-152814-A-7	LMW-04-20190429	8260C	T	1 uL	1 uL				

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

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Batch Number: 471764 Batch Start Date: 05/08/19 09:00 Batch Analyst: Milligan, Amanda E

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	T_8260_IS 00218	T_8260_Surr 00188	AnalysisComment			
480-152814-A-8	LMW-06-20190429	8260C	T	1 uL	1 uL				
480-152814-A-17	Trip Blank	8260C	T	1 uL	1 uL				
480-152814-A-2 MS	LMW-14MS-20190429	8260C	T	1 uL	1 uL	Client QC			
480-152814-A-2 MSD	LMW-14-MSD20190429	8260C	T	1 uL	1 uL	Client QC			

Batch Notes	

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Batch Number: 471924 Batch Start Date: 05/08/19 19:24 Batch Analyst: Moffat, Alyssa M

Batch 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 480-471924/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-471924/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-471924/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-471924/7		8260C		5 mL	5 mL				
480-152814-B-4	LMW-09-20190429	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_IS 00318	S_8260_Surr 00314	S_8260_Surr 00315	AnalysisComment		
BFB 480-471924/2		8260C							
CCVIS 480-471924/3		8260C		1 uL	1 uL				
LCS 480-471924/5		8260C		1 uL		1 uL			
MB 480-471924/7		8260C		1 uL		1 uL			
480-152814-B-4	LMW-09-20190429	8260C	T	1 uL		1 uL	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.: 480-152814-1

SDG No.:

Batch Number: 471956 Batch Start Date: 05/09/19 07:50 Batch Analyst: Milligan, Amanda E

Batch 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 480-471956/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-471956/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-471956/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-471956/7		8260C		5 mL	5 mL				
480-152814-A-9	FB-20190430	8260C	T	5 mL	5 mL	<2 SU			
480-152814-B-10	DUP-20190430	8260C	T	5 mL	5 mL	<2 SU			
480-152814-A-11	LMW-03-20190430	8260C	T	5 mL	5 mL	<2 SU			
480-152814-A-12	LMW-02-20190430	8260C	T	5 mL	5 mL	<2 SU			
480-152814-A-13	LMW-11-20190430	8260C	T	5 mL	5 mL	<2 SU			
480-152814-A-14	LMW-12-20190430	8260C	T	5 mL	5 mL	<2 SU			
480-152814-A-15	LMW-01-20190430	8260C	T	5 mL	5 mL	<2 SU			
480-152814-A-16	LMW-05-20190430	8260C	T	5 mL	5 mL	<2 SU			
480-152814-A-12 MS	LMW-02-20190430	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-152814-A-12 MSD	LMW-02-20190430	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_IS 00318	S_8260_Surr 00315	AnalysisComment			
BFB 480-471956/2		8260C							
CCVIS 480-471956/3		8260C		1 uL	1 uL				
LCS 480-471956/5		8260C		1 uL	1 uL				
MB 480-471956/7		8260C		1 uL	1 uL				
480-152814-A-9	FB-20190430	8260C	T	1 uL	1 uL				
480-152814-B-10	DUP-20190430	8260C	T	1 uL	1 uL				
480-152814-A-11	LMW-03-20190430	8260C	T	1 uL	1 uL				
480-152814-A-12	LMW-02-20190430	8260C	T	1 uL	1 uL	Foam			
480-152814-A-13	LMW-11-20190430	8260C	T	1 uL	1 uL	Foam			
480-152814-A-14	LMW-12-20190430	8260C	T	1 uL	1 uL	Foam			

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.: 480-152814-1

SDG No.:

Batch Number: 471956 Batch Start Date: 05/09/19 07:50 Batch Analyst: Milligan, Amanda E

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_IS 00318	S_8260_Surr 00315	AnalysisComment			
480-152814-A-15	LMW-01-20190430	8260C	T	1 uL	1 uL	Targets			
480-152814-A-16	LMW-05-20190430	8260C	T	1 uL	1 uL				
480-152814-A-12 MS	LMW-02-20190430	8260C	T	1 uL	1 uL	Batch QC			
480-152814-A-12 MSD	LMW-02-20190430	8260C	T	1 uL	1 uL	Batch QC			

Batch Notes	

Basis	Basis Description
T	Total/NA

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

Shipping and Receiving Documents

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

Albany #224

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Eric Rosenzweig	Lab PM: Mason, Becky C	Carrier Tracking No(s):	COC No: 480-129612-29244.1
Client Contact: Mr. Eric Rosenzweig	Phone: 203.727.6524	E-Mail: becky.mason@testamericainc.com		Page: Page 1 of 3
Company: CDM Smith, Inc.				Job #:
Address: 11 British American Blvd Suite 200	Due Date Requested:			
City: Latham	TAT Requested (days): Standard			
State, Zip: NY, 12110				
Phone: 518-782-4526(Tel)	PO #: 89154 Line #? 1 for air/2 water			
Email: rosenzweiges@cdmsmith.com	WO #:			
Project Name: Lubricant Packaging Corp Middletown NY	Project #: 48016836			
Site:	SSOW#:			

Analysis Requested

480-152814 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - VOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
LMW-08-20190429	4/29/19	1020	G	Water	N	N	X	3	
LMW-14-20190429	4/29/19	1100	G	Water	N	N	X	3	
LMW-14MS-20190429	4/29/19	1100	G	Water	N	N	X	3	
LMW-14MSD-20190429	4/29/19	1100	G	Water	N	N	X	3	
LMW-13-20190429	4/29/19	1135	G	Water	N	N	X	3	
MW-09-20190429	4/29/19	1205	G	Water	N	N	X	3	
MW-209-20190429	4/29/19	1245	G	Water	N	N	X	3	
MW-206-20190429	4/29/19	1320	G	Water	N	N	X	3	
LMW-04-20190429	4/29/19	1410	G	Water	N	N	X	3	
MW-06-20190430	4/30/19	0930	G	Water	N	N	X	3	
FB-20190430	4/30/	0945	G	Water	N	N	X	3	

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:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	5/1/19 1253		[signature]	5-1-19 1253	
2	[signature]	5-1-19 1700	Eurofins TA	[signature]	05/02/19 0100	
3						

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
Δ Yes Δ No		1.4 #1

Ver: 01/16/2019

05/17/2019

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

Albany #224

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Eric Rosenzweig	Lab PM: Mason, Becky C	Carrier Tracking No(s):	COC No: 480-129612-29244.3
Client Contact: Mr. Eric Rosenzweig	Phone: 202-727-6524	E-Mail: becky.mason@testamericainc.com		Page: Page 3 of 3
Company: CDM Smith, Inc.				Job #:

Address: 11 British American Blvd Suite 200	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Latham	TAT Requested (days): Standard		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 - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: NY, 12110			
Phone: 518-782-4526(Tel)	PO #: 89154 Line #? 1 for air/2 water		
Email: rosenzweiges@cdmsmith.com	WO #:		Other:
Project Name: Lubricant Packaging Corp Middletown NY	Project #: 48016836		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - VOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
DUP-20190430	4/30/19	—	G	Water	NN		X	3	
LMW-03-20190430	4/30/19	1025	G	W	NN		X	3	
LMW-02-20190430	4/30/19	1100	G	W	NN		X	3	
LMW-11-20190430	4/30/19	1130	G	W	NN		X	2	
LMW-12-20190430	4/30/19	1200	G	W	NN		X	3	
LMW-01-20190430	4/30/19	1230	G	W	NN		X	3	
LMW-05-20190430	4/30/19	1305	G	W	NN		X	3	
Trip Blank	4/29/19	—	G	W	NN		X	2	

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:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5/1/19 1253	CDMSmith		5-1-19 1253	
Relinquished by: Tim Kruse	Date/Time: 5-1-19 1700	Company EUROFINS TA	Received by:	Date/Time: 05/02/19 0100	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.4 #1

Ver: 01/16/2019

05/17/2019

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 480-152814-1

Login Number: 152814
List Number: 1
Creator: Velickovic, Zoran

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CDM Smith, Inc.
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	

ATTACHMENT G

Data Usability Summary Report

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
LUBRICANT PACKAGING CORP, NEW YORK

Client: CDM Smith, Latham, New York
SDG: 480-152814-1
Laboratory: Eurofins Test America Laboratories, Buffalo, New York
Site: Lubricant Packaging Corp., Middletown, New York
Date: June 18, 2019

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	LMW-08-20190429	480-152814-1	Water
2	LMW-14-20190429	480-152814-2	Water
2MS	LMW-14-20190429MS	480-152814-2MS	Water
2MSD	LMW-14-20190429MSD	480-152814-2MSD	Water
3	LMW-13-20190429	480-152814-3	Water
4	MW-09-20190429	480-152814-4	Water
5	MW-209-20190429	480-152814-5	Water
6	MW-206-20190429	480-152814-6	Water
7	LMW-04-20190429	480-152814-7	Water
8	MW-06-20190429	480-152814-8	Water
9	FB-20190430	480-152814-9	Water
10	DUP-20190430	480-152814-10	Water
11	LMW-03-20190430	480-152814-11	Water
12	LMW-02-20190430	480-152814-12	Water
12MS	LMW-02-20190430MS	480-152814-12MS	Water
12MSD	LMW-02-20190430MSD	480-152814-12MSD	Water
13	LMW-11-20190430	480-152814-13	Water
14	LMW-12-20190430	480-152814-14	Water
15	LMW-01-20190430	480-152814-15	Water
16	LMW-05-20190430	480-152814-16	Water
17	Trip Blank	480-152814-17	Water

A Data Usability Summary Review was performed on the analytical data for fifteen water samples, one aqueous trip blank sample, and one aqueous field blank sample collected on April 29, 2019 by CDM Smith at the Lubricant Packaging Corp. site in Middletown, New York. The samples were analyzed under Environmental Protection Agency (USEPA) *"Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions"*.

Specific method references are as follows:

Analysis	*Method References*
VOCs	USEPA SW-846 Method 8260C

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA National Functional Guidelines for Organic Data Review as follows:

- The USEPA "Contract Laboratories Program National Functional Guidelines for Organic Superfund Methods Data Review," January 2017;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Holding times and sample preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tuning
- Initial and continuing calibration summaries
- Method blank and field QC blank contamination
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Internal standard area and retention time summary forms
- Target Compound Identification
- Compound Quantitation
- Field Duplicate sample precision

Data Usability Assessment

There were no rejections of data.

Overall the data are acceptable for the intended purposes as qualified for the deficiencies detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Volatile Organic Compounds (VOC)

Holding Times

- All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning

- All criteria were met.

Initial Calibration

- All %RSD and/or correlation coefficients and mean RRF criteria were met.

Continuing Calibration

- The following table presents compounds that exceeded various percent difference (%D) and/or RRF values <0.05 (0.01 for poor performers) in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
5/8/2019 (0926)	Tetrachloroethane	22.6%	J/UJ	1-3, 5, 6, 8, 17
	Bromoform	55.2%	UJ	1-3, 5-8, 17
	Dibromochloromethane	29.3%		

Method Blank

- The method blanks were free of contamination.

Field QC Blank

- Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
FB-20190430	None - ND	-	-	-
Trip Blank	None - ND	-	-	-

Surrogate Spike Recoveries

- The following table presents surrogate percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

EDS Sample ID	Compound	%R	Qualifier
7	1,2-Dichloroethane-d4	122%	J - Positive Results

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

MS/MSD Sample ID	Compound	MS %R/MSD %R/ RPD	Qualifier	Affected Samples
2	1,2-Dichloroethane	125%/OK/OK	None	Sample ND
	Bromoform	144%/145%/OK	None	
	Carbon tetrachloride	141%/143%/OK	None	
	Dibromochloromethane	139%/130%/OK	None	
	Chloroethane	130%/OK/OK	None	
	Chloromethane	130%/OK/OK	None	
	Tetrachloroethane	130%/OK/OK	None	

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
LCS 480-471734/5	Bromoform	164%	None	All Associated ND
	Dibromochloromethane	139%	None	

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Target Compound Identification

- All mass spectra and quantitation criteria were met.

Compound Quantitation

- Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	LMW-03-20190430 ug/L	DUP-20190430 ug/L	RPD	Qualifier
1,1,1-Trichloroethane	50	45	11%	None
1,1-Dichloroethane	16	14	13%	
1,1-Dichloroethene	1.0	1.6	46%	None - <5X RL
Tetrachloroethene	1.0	0.82	20%	None
Trichloroethene	2.9	2.7	7%	

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: _____ Dated: _____

Nancy Weaver
Senior Chemist

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-08-20190429 Lab Sample ID: 480-152814-1

Matrix: Water Lab File ID: T0657.D

Analysis Method: 8260C Date Collected: 04/29/2019 10:20

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 15:13

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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	1.1		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	✓ U5	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	✓ U5	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-08-20190429 Lab Sample ID: 480-152814-1

Matrix: Water Lab File ID: T0657.D

Analysis Method: 8260C Date Collected: 04/29/2019 10:20

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 15:13

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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	0.44	J	1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	~~ND~~	U5	1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

MT 5/16/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: LMW-14-20190429 Lab Sample ID: 480-152814-2
Matrix: Water Lab File ID: T0658.D
Analysis Method: 8260C Date Collected: 04/29/2019 11:00
Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 15:37
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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND	F1	1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	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		1.0	0.75
124-48-1	Dibromochloromethane	ND	F1	1.0	0.32
75-00-3	Chloroethane	ND	F1	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		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: LMW-14-20190429 Lab Sample ID: 480-152814-2
Matrix: Water Lab File ID: T0658.D
Analysis Method: 8260C Date Collected: 04/29/2019 11:00
Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 15:37
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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	~~ND~~	~~F1~~ U5	1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	115		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: LMW-13-20190429 Lab Sample ID: 480-152814-3
Matrix: Water Lab File ID: T0659.D
Analysis Method: 8260C Date Collected: 04/29/2019 11:35
Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 16:01
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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	65		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	5.9		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	~~ND~~	/ U	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	~~ND~~	/ U	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

MT 05/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: LMW-13-20190429 Lab Sample ID: 480-152814-3
Matrix: Water Lab File ID: T0659.D
Analysis Method: 8260C Date Collected: 04/29/2019 11:35
Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 16:01
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.: 471764 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
1868-53-7	Dibromofluoromethane (Surr)	112		75-123

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: MW-09-20190429 Lab Sample ID: 480-152814-4
Matrix: Water Lab File ID: S4703.D
Analysis Method: 8260C Date Collected: 04/29/2019 12:05
Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 04:33
Soil Aliquot Vol: Dilution Factor: 8
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 471924 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		8.0	6.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		8.0	1.7
79-00-5	1,1,2-Trichloroethane	ND		8.0	1.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5
75-34-3	1,1-Dichloroethane	ND		8.0	3.0
75-35-4	1,1-Dichloroethene	ND		8.0	2.3
120-82-1	1,2,4-Trichlorobenzene	ND		8.0	3.3
96-12-8	1,2-Dibromo-3-Chloropropane	ND		8.0	3.1
95-50-1	1,2-Dichlorobenzene	ND		8.0	6.3
107-06-2	1,2-Dichloroethane	ND		8.0	1.7
78-87-5	1,2-Dichloropropane	ND		8.0	5.8
541-73-1	1,3-Dichlorobenzene	ND		8.0	6.2
106-46-7	1,4-Dichlorobenzene	ND		8.0	6.7
78-93-3	2-Butanone (MEK)	ND		80	11
591-78-6	2-Hexanone	ND		40	9.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		40	17
67-64-1	Acetone	ND		80	24
71-43-2	Benzene	ND		8.0	3.3
75-27-4	Bromodichloromethane	ND		8.0	3.1
75-25-2	Bromoform	ND		8.0	2.1
74-83-9	Bromomethane	ND		8.0	5.5
75-15-0	Carbon disulfide	ND		8.0	1.5
56-23-5	Carbon tetrachloride	ND		8.0	2.2
108-90-7	Chlorobenzene	ND		8.0	6.0
124-48-1	Dibromochloromethane	ND		8.0	2.6
75-00-3	Chloroethane	ND		8.0	2.6
67-66-3	Chloroform	ND		8.0	2.7
74-87-3	Chloromethane	ND		8.0	2.8
156-59-2	cis-1,2-Dichloroethene	290		8.0	6.5
10061-01-5	cis-1,3-Dichloropropene	ND		8.0	2.9
110-82-7	Cyclohexane	ND		8.0	1.4
75-71-8	Dichlorodifluoromethane	ND		8.0	5.4
100-41-4	Ethylbenzene	ND		8.0	5.9
106-93-4	1,2-Dibromoethane	ND		8.0	5.8
98-82-8	Isopropylbenzene	ND		8.0	6.3

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: MW-09-20190429 Lab Sample ID: 480-152814-4
Matrix: Water Lab File ID: S4703.D
Analysis Method: 8260C Date Collected: 04/29/2019 12:05
Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 04:33
Soil Aliquot Vol: Dilution Factor: 8
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 471924 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		20	10
1634-04-4	Methyl tert-butyl ether	ND		8.0	1.3
108-87-2	Methylcyclohexane	ND		8.0	1.3
75-09-2	Methylene Chloride	ND		8.0	3.5
100-42-5	Styrene	ND		8.0	5.8
127-18-4	Tetrachloroethene	320		8.0	2.9
108-88-3	Toluene	ND		8.0	4.1
156-60-5	trans-1,2-Dichloroethene	ND		8.0	7.2
10061-02-6	trans-1,3-Dichloropropene	ND		8.0	3.0
79-01-6	Trichloroethene	78		8.0	3.7
75-69-4	Trichlorofluoromethane	ND		8.0	7.0
75-01-4	Vinyl chloride	ND		8.0	7.2
1330-20-7	Xylenes, Total	ND		16	5.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	88		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: MW-209-20190429 Lab Sample ID: 480-152814-5
Matrix: Water Lab File ID: T0661.D
Analysis Method: 8260C Date Collected: 04/29/2019 12:45
Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 16:49
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.: 471764 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
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
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
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
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
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~~	↗ UJ	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
124-48-1	Dibromochloromethane	~~ND~~	↗ UJ	4.0	1.3
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	11		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
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: MW-209-20190429 Lab Sample ID: 480-152814-5
Matrix: Water Lab File ID: T0661.D
Analysis Method: 8260C Date Collected: 04/29/2019 12:45
Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 16:49
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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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	4.0		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	130	J	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	24		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	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		77-120
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: MW-206-20190429 Lab Sample ID: 480-152814-6
Matrix: Water Lab File ID: T0662.D
Analysis Method: 8260C Date Collected: 04/29/2019 13:20
Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 17:13
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.: 471764 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
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
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
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.0	1.6
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
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~~	UJ	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
124-48-1	Dibromochloromethane	~~ND~~	UJ	4.0	1.3
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	6.0		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
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
98-82-8	Isopropylbenzene	ND		4.0	3.2

MT 6/6/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: MW-206-20190429 Lab Sample ID: 480-152814-6
Matrix: Water Lab File ID: T0662.D
Analysis Method: 8260C Date Collected: 04/29/2019 13:20
Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 17:13
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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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	3.7	J	4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	250	5	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	7.1		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	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		77-120
460-00-4	4-Bromofluorobenzene (Surr)	116		73-120
1868-53-7	Dibromofluoromethane (Surr)	112		75-123

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: LMW-04-20190429 Lab Sample ID: 480-152814-7
Matrix: Water Lab File ID: T0663.D
Analysis Method: 8260C Date Collected: 04/29/2019 14:10
Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 17:37
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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	10	J	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	0.39	J	1.0	0.38
75-35-4	1,1-Dichloroethene	0.49	J	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND	UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

MT 6/6/19

7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-04-20190429 Lab Sample ID: 480-152814-7

Matrix: Water Lab File ID: T0663.D

Analysis Method: 8260C Date Collected: 04/29/2019 14:10

Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 17:37

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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	0.45	J 3	1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	3.2	3	1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	122	*	77-120
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
1868-53-7	Dibromofluoromethane (Surr)	110		75-123

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: MW-06-20190429 Lab Sample ID: 480-152814-8
Matrix: Water Lab File ID: T0664.D
Analysis Method: 8260C Date Collected: 04/29/2019 09:30
Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 18:01
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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	~~ND~~	✓ UJ	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	~~ND~~	✓ UJ	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	3.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: MW-06-20190429 Lab Sample ID: 480-152814-8
Matrix: Water Lab File ID: T0664.D
Analysis Method: 8260C Date Collected: 04/29/2019 09:30
Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 18:01
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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	0.45	J	1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	28	J	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	4.2		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		77-120
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
1868-53-7	Dibromofluoromethane (Surr)	111		75-123

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: FB-20190430 Lab Sample ID: 480-152814-9
Matrix: Water Lab File ID: S4721.D
Analysis Method: 8260C Date Collected: 04/30/2019 09:45
Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 12:55
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.: 471956 Units: ug/L

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

MT 5/16/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: FB-20190430 Lab Sample ID: 480-152814-9
Matrix: Water Lab File ID: S4721.D
Analysis Method: 8260C Date Collected: 04/30/2019 09:45
Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 12:55
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.: 471956 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	88		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: DUP-20190430 Lab Sample ID: 480-152814-10
Matrix: Water Lab File ID: S4722.D
Analysis Method: 8260C Date Collected: 04/30/2019 00:00
Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 13:18
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.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	45		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	14		1.0	0.38
75-35-4	1,1-Dichloroethene	1.6		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

MT 05/16/19

10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: DUP-20190430 Lab Sample ID: 480-152814-10

Matrix: Water Lab File ID: S4722.D

Analysis Method: 8260C Date Collected: 04/30/2019 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 13:18

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.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	0.82	J	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	2.7		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123

MT 6/18/19

11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-03-20190430 Lab Sample ID: 480-152814-11

Matrix: Water Lab File ID: S4723.D

Analysis Method: 8260C Date Collected: 04/30/2019 10:25

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 13:41

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.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	50		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	16		1.0	0.38
75-35-4	1,1-Dichloroethene	1.0		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

MT 05/10/19

11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-03-20190430 Lab Sample ID: 480-152814-11

Matrix: Water Lab File ID: S4723.D

Analysis Method: 8260C Date Collected: 04/30/2019 10:25

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 13:41

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.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	1.0		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	2.9		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
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	86		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

MT 05/9/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-02-20190430 Lab Sample ID: 480-152814-12

Matrix: Water Lab File ID: S4724.D

Analysis Method: 8260C Date Collected: 04/30/2019 11:00

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 14:04

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.: 471956 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
79-00-5	1,1,2-Trichloroethane	ND		20	4.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2
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
96-12-8	1,2-Dibromo-3-Chloropropane	ND		20	7.8
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
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
124-48-1	Dibromochloromethane	ND		20	6.4
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
75-71-8	Dichlorodifluoromethane	ND		20	14
100-41-4	Ethylbenzene	ND		20	15
106-93-4	1,2-Dibromoethane	ND		20	15
98-82-8	Isopropylbenzene	ND		20	16

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: LMW-02-20190430 Lab Sample ID: 480-152814-12
Matrix: Water Lab File ID: S4724.D
Analysis Method: 8260C Date Collected: 04/30/2019 11:00
Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 14:04
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.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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
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	ND		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	82		73-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-11-20190430 Lab Sample ID: 480-152814-13

Matrix: Water Lab File ID: S4725.D

Analysis Method: 8260C Date Collected: 04/30/2019 11:30

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 14:28

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	2.8		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-00-3	Chloroethane	3.4		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	ND		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6

MT 6/10/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-11-20190430 Lab Sample ID: 480-152814-13

Matrix: Water Lab File ID: S4725.D

Analysis Method: 8260C Date Collected: 04/30/2019 11:30

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 14:28

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 471956 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	86		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: LMW-12-20190430 Lab Sample ID: 480-152814-14
Matrix: Water Lab File ID: S4726.D
Analysis Method: 8260C Date Collected: 04/30/2019 12:00
Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 14:51
Soil Aliquot Vol: Dilution Factor: 2
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	3.0		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	ND		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: LMW-12-20190430 Lab Sample ID: 480-152814-14
Matrix: Water Lab File ID: S4726.D
Analysis Method: 8260C Date Collected: 04/30/2019 12:00
Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 14:51
Soil Aliquot Vol: Dilution Factor: 2
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 471956 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: LMW-01-20190430 Lab Sample ID: 480-152814-15
Matrix: Water Lab File ID: S4727.D
Analysis Method: 8260C Date Collected: 04/30/2019 12:30
Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 15:14
Soil Aliquot Vol: Dilution Factor: 2
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 471956 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	49		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	5.1		2.0	0.76
75-35-4	1,1-Dichloroethene	1.0	J	2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	ND		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: LMW-01-20190430 Lab Sample ID: 480-152814-15
Matrix: Water Lab File ID: S4727.D
Analysis Method: 8260C Date Collected: 04/30/2019 12:30
Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 15:14
Soil Aliquot Vol: Dilution Factor: 2
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 471956 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	86		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1

SDG No.:

Client Sample ID: LMW-05-20190430 Lab Sample ID: 480-152814-16

Matrix: Water Lab File ID: S4728.D

Analysis Method: 8260C Date Collected: 04/30/2019 13:05

Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 15:37

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.: 471956 Units: ug/L

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

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: LMW-05-20190430 Lab Sample ID: 480-152814-16
Matrix: Water Lab File ID: S4728.D
Analysis Method: 8260C Date Collected: 04/30/2019 13:05
Sample wt/vol: 5(mL) Date Analyzed: 05/09/2019 15:37
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.: 471956 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	83		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: Trip Blank Lab Sample ID: 480-152814-17
Matrix: Water Lab File ID: T0665.D
Analysis Method: 8260C Date Collected: 04/29/2019 00:00
Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 18:25
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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	~~ND~~	* U3	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	~~ND~~	* U3	1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

MT 6/18/19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-152814-1
SDG No.:
Client Sample ID: Trip Blank Lab Sample ID: 480-152814-17
Matrix: Water Lab File ID: T0665.D
Analysis Method: 8260C Date Collected: 04/29/2019 00:00
Sample wt/vol: 5(mL) Date Analyzed: 05/08/2019 18:25
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.: 471764 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	~~ND~~	U5	1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

MT 6/18/19