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Mr. Glenn May
New York State Department of Environmental Conservation, Region 9
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**Subject: Fiscal First Quarter 2018 Groundwater Monitoring Report (10/24/17 – 1/11/18)
January 2018 Sampling Event
Former Scott Aviation Facility – West of Plant 2
Lancaster, New York
NYSDEC Site Code No. 9-15-149**

Dear Mr. May:

On behalf of Scott Figgie LLC (successor to Scott Technologies, Inc.), AECOM Technical Services, Inc. (AECOM) is pleased to provide this Fiscal First Quarter 2018 Groundwater Monitoring Report for the former Scott Aviation Facility – West of Plant 2 area (site) located in Lancaster, New York (**Figure 1**). Quarterly groundwater monitoring activities have been performed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Administrative Order on Consent (AOC), Index No. B9-0377095-05, for the former Scott Aviation facility (formerly Figgie International), NYSDEC Site Code No. 9-15-149. This report has been developed in accordance with the NYSDEC Division of Environmental Remediation, DER-10 Technical Guidance for Site Investigation and Remediation, dated May 3, 2010.

Groundwater samples were collected from select monitoring wells in fulfillment of the site AOC for groundwater monitoring requirements. A new monitoring schedule was implemented based on Table 12 presented in the Periodic Review Report (PRR) (April 7, 2016 through April 20, 2017), dated May 30, 2017, and the wells sampled during this groundwater monitoring event reflect this schedule (with the addition of wells for monitoring the performance of the November 2014 injection pilot study as discussed below). Additionally, two vapor samples were collected from the air stripper and liquid ring pump discharge sampling ports as part of the January 2018 sampling event, to ensure that the treated system effluent was in compliance with NYSDEC vapor discharge guidance criteria. Included in this report are a description of the project background, groundwater and vapor monitoring activities, operation and maintenance (O&M) activities for the groundwater dual phase extraction (DPE) remediation system, and a summary of groundwater quality and vapor effluent results.

Project Background

Scott Aviation, Inc. was sold to Zodiac Acquisitions Corporation in 2004, and the facility is now occupied by AVOX Systems Inc. (AVOX). Per the purchase and sale agreement, the responsibility for the DPE groundwater remediation system located at 25A Walter Winter Drive, west of AVOX Plant 2, was retained for a designated period of years by Scott Technologies, Inc., the former parent company of Scott Aviation, Inc. Due to an organizational change, Scott Figgie LLC has replaced Scott Technologies, Inc. as the entity currently responsible for the remediation of the subject site. Scott Figgie has retained the services of AECOM for the ongoing O&M of the DPE remediation system and related groundwater monitoring activities.

AECOM conducted a site investigation during February 2003 in fulfillment of the document Site Investigation Work Plan dated December 31, 2002 (NYSDEC approval dated January 15, 2003). A comprehensive "Site Investigation Completion Report" (SICR) was submitted to NYSDEC on June 30, 2003; the report was approved by NYSDEC in August 2003. At the request of NYSDEC, AECOM prepared a "Remedial Design Work Plan" (RDWP) to complete the additional remedial work recommended in the SICR. The RDWP was submitted to NYSDEC on November 21, 2003, and the document was approved by NYSDEC on January 5, 2004.

Per the approved RDWP, a DPE remediation system was installed at the site during the period February 2004 through May 2004, and the DPE system was initially started on May 14, 2004. The DPE system was combined with a pre-existing groundwater collection trench (GWCT) system that was started on March 1, 1996.

The objectives for this combined remediation system (collectively known as the combined DPE remediation system) include:

- Maintaining hydraulic capture of groundwater containing dissolved volatile organic compounds (VOCs) along the western Plant 2 property boundary;
- Inducing a depression in the water table surface and reversing the groundwater flow direction along the western Plant 2 property boundary; and,
- Reducing VOC concentrations in perched groundwater and soil.

Figure 2 depicts the location of site groundwater monitoring wells and piezometers, DPE recovery wells and system piping, enclosed DPE system trailer, and pre-existing GWCT and treatment building. **Figure 3** provides the process and instrumentation diagram for the combined DPE remediation system.

At the conclusion of the initial one-year O&M period (May 14, 2004 to July 19, 2005), a "Remedial Action Engineering Report" (RAER) was prepared to summarize the combined DPE remediation system as-built design, combined DPE remediation system start-up, O&M activities, and quarterly monitoring data, and to provide recommendations for continued system operation, system optimization, sampling frequency, and O&M. The 2005 RAER was submitted to NYSDEC on November 11, 2005. In a letter dated December 13, 2005, NYSDEC accepted the 2005 RAER and requested that site monitoring wells MW-4, MW-8R, and MW-16S be added to the quarterly site sampling schedule.

The second year of combined DPE groundwater remediation system operation was summarized in the 2006 RAER (July 20, 2005 through July 20, 2006) and was submitted to NYSDEC in November 2006. The third year of combined DPE groundwater remediation system operation was summarized in the 2007 RAER (July 21, 2006 through October 15, 2007) and was submitted to NYSDEC in January 2008. The fourth year of combined DPE groundwater remediation system operation was summarized in the 2008 RAER (October 15, 2007 through January 22, 2009) and was submitted to NYSDEC in April 2009. The fifth year of combined DPE groundwater remediation system operation was summarized in the 2009 RAER (January 22, 2009 through April 8, 2010) and was submitted to NYSDEC in June 2010.

Per a letter from NYSDEC dated August 16, 2010, an Institutional Controls/Engineering Controls (IC/EC) certification is, as of that correspondence, required for the site each calendar year, and it is to include four quarters of groundwater sampling based on the attached **Table 1**. Table 1 is updated quarterly; the attached Table 1 presents the groundwater monitoring schedule for the site from January 2018 through October 2018. The August 2010 NYSDEC letter also stated that, as of that correspondence, the RAER should be revised into a Periodic Review Report (PRR). Therefore,

the sixth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 8, 2010 through April 7, 2011) and submitted to NYSDEC in June 2011. The seventh year of combined DPE groundwater remediation system operation was summarized in a PRR (April 7, 2011 through April 3, 2012) and submitted to NYSDEC in May 2012. The eighth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 3, 2012 through April 3, 2013) and submitted to NYSDEC in July 2013. The ninth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 3, 2013 through April 7, 2014) and submitted to NYSDEC in July 2014. The tenth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 7, 2014 through April 7, 2015) and submitted to NYSDEC in July 2015. The eleventh year of combined DPE groundwater remediation system operation was summarized in a PRR (April 7, 2015 through April 7, 2016) and submitted to NYSDEC in November 2016. During the past year, the twelfth PRR (April 7, 2016 through April 20, 2017) was completed and submitted to NYSDEC on May 30, 2017. An IC/EC certification was included with each PRR with the exception of the three most recent PRRs; NYSDEC informed AECOM via email that an IC/EC certification form was not auto-generated by the NYSDEC and therefore to submit the PRRs without an IC/EC certification.

Quarterly Groundwater Monitoring Activities – January 2018

AECOM personnel collected quarterly groundwater samples on January 8-10, 2018 (vapor samples were collected on 1/11/18), in accordance with the procedures outlined in the NYSDEC-approved November 2003 RDWP and the August 2010 letter. January 2018 groundwater samples were collected from monitoring wells MW-2, MW-3, MW-4, MW-6, MW-10, MW-11, MW-13S, MW-13D, MW-16S, MW-16D, the GWCT, and the DPE wells (**Figure 2**). Note: DPE-3, MW-8R and MW-12 were not accessible/sampled due to snow cover. Field forms generated during this sampling event are provided in **Appendix A**. Groundwater samples were analyzed for VOCs by TestAmerica Laboratories, Inc. (Amherst, New York) using United States Environmental Protection Agency (EPA) SW-846 Method 8260C.

Prior to the collection of groundwater samples, a complete round of groundwater levels was measured in all site wells and piezometers. **Table 2** provides a summary of groundwater elevations measured on January 8, 2018. A summary of current and historical groundwater levels and corresponding elevations and hydrographs for each monitoring well and nested piezometer pair is provided in **Appendix B**. Monitoring wells MW-2, MW-3, MW-4, MW-6, MW-8R, MW-9, MW-10, MW-11, and MW-12 are screened across both the shallow and deep overburden groundwater zones. The nested piezometer pairs (MW-13S/D, MW-14S/D, MW-15S/D, and MW-16S/D) are discretely screened with one piezometer screened in the shallow overburden groundwater zone ('S' designation) and one piezometer screened in the deep overburden groundwater zone ('D' designation). DPE wells DPE-1, DPE-3, DPE-5, and DPE-8 are screened in the shallow water-bearing unit, while DPE-2, DPE-4, and DPE-7 are screened in the deep water-bearing unit. The GWCT is installed in the deep water-bearing unit.

Two groundwater surface contour maps for January 2018 are provided. The average water levels calculated for the nested piezometer pairs and monitoring wells, in conjunction with DPE well water level data, were used to generate the groundwater surface contours presented in **Figure 4**.

Figure 5 illustrates the groundwater surface contours using only monitoring well and deep piezometer and DPE water level data.

Groundwater elevations measured from monitoring wells and piezometers on January 8, 2018 ranged from 681.92 feet above mean sea level (AMSL) at MW-13S to 668.19 feet AMSL at MW-14D. The average groundwater surface elevation across the site was 1.4 feet higher when compared to the prior round of groundwater elevation measurements collected in October 2017. The rise in groundwater elevations may be attributable to seasonal fluctuation. Based on the

January 2018 water level measurements, the groundwater surface beneath the site exhibits inward flow towards the GWCT and DPE wells. As **Figures 4** and **5** illustrate, the GWCT and DPE wells induce groundwater flow reversal along the western AVOX Plant 2 property boundary. This reversal in groundwater flow provides hydraulic capture of VOCs present in the overburden groundwater that might otherwise migrate off-site.

Groundwater Quality Results – January 2018

Tables 3, 4 and **5** summarize VOC data for groundwater samples collected in January 2018 from the monitoring wells and piezometers, DPE wells, and GWCT, respectively. The table below summarizes VOCs detected in groundwater above their detection limits, their respective concentration ranges, the number of detections, and the number of those detections that exceeded the site-specific Remedial Action Objectives (RAOs) or the New York Code, Rules, and Regulations (NYCRR), Title 6, Parts 702.15(a)(2) and 703.5 guidance values. Note that in some cases the detection limits for certain VOCs were set above their respective RAO's due to dilution factors (high concentration of target analyte[s]). Consistent with previous quarterly reports, the table below summarizes only monitoring wells and piezometers (GWCT and DPE well results are not included).

Groundwater Quality Results January 2018

VOCs Detected in Groundwater	Concentration Range (micrograms per liter)	Number of Detections	RAO/NYCRR Exceedances
Vinyl Chloride	2.1 – 54,000	7	6
cis-1,2-Dichloroethene	2.4 – 9,600	7	3
Chloroethane	0.72 – 1,800	6	4
1,1-Dichloroethane	0.73 – 12	5	2
Toluene	0.55 – 550	4	2
Acetone	5.4 – 140	4	2
Methylene Chloride	3.3 - 780	3	2
2-Butanone	5.2 – 210	2	1
trans-1,2-Dichloroethene	0.90 - 16	2	1
Benzene	3.8	1	1
Cyclohexane	0.21	1	0
1,2-Dichloroethane	0.21	1	0

Twelve VOCs were detected in groundwater from monitoring wells and piezometers sampled above their associated detection limit during the monitoring period. Ten of the twelve VOCs detected exceeded either the site-specific RAOs for groundwater or the NYCRR criteria; note that two laboratory cleaning compounds, acetone and 2-butanone, were detected in six of the ten samples. The occurrences of constituents of potential concern were detected primarily in the vicinity of the former on-site source area, and VOC concentrations decrease significantly in the vicinity of the perimeter monitoring wells.

An electronic copy of the analytical laboratory data package for the January 2018 groundwater monitoring event is provided in **Appendix C**. A complete hard copy of the analytical data report can be made available to NYSDEC upon request.

The presence and distribution of trichloroethene (TCE) daughter products cis-1,2-dichloroethene (cis-1,2-DCE) and vinyl chloride (VC), and of 1,1,1-trichloroethane (1,1,1-TCA) daughter products 1,1-dichloroethane (1,1-DCA) and chloroethane, provides supportive evidence that the attenuation of TCE and 1,1,1-TCA continues to occur on the site via reductive dechlorination. The occurrence of these daughter products appears to be directly related to the historic distribution of TCE and 1,1,1-TCA in the subsurface. In addition, the virtual elimination of TCE and 1,1,1-TCA concentrations between Third Quarter 2015 and the current reporting period can be attributed to the injection pilot test performed in November 2014 and in April/May 2015 using the injectate Anaerobic BioChem and zero valent iron (ABC+[®]) (for details of the injection program, refer to the NYSDEC-approved 2014 Injection Pilot Test Work Plan dated November 6, 2014 and the NYSDEC-approved 2015 addendum to the 2014 Injection Pilot Test Work Plan dated April 28, 2015).

Historical trend plots for the wells sampled during this quarter for concentrations of TCE, cis-1,2-DCE, VC, 1,1,1-TCA, 1,1-DCA, and chloroethane are provided in **Appendix D**. As stated above, the VOC concentrations in groundwater continue to show a degradation trend both as a result of naturally occurring reductive dechlorination processes, and as a result of the injection pilot tests. Additionally, historical concentrations of VOCs in soil vapor and groundwater are also decreasing as a result of extraction and treatment through the combined DPE remediation system. Because TCE has been considered the primary source of groundwater contamination at the site, a summary of historical and current TCE concentrations in groundwater for 10 of the 12 monitoring wells and piezometers sampled in January 2018 is included in **Table 6**. Recall that the DPE component of the combined remediation system was started May 14, 2004 and the injection of ABC+[®] occurred in November 2014 and April/May 2015. In addition, a chemical oxidation injection pilot test was performed between July and October 2010, and a second series of chemical oxidation injections was performed between June and October 2011.

Table 6 shows a summary of historical and current TCE concentrations. Based on the January 2018 groundwater data, there was one detection of TCE above the RAO. It is important to note that the November 2014 injections were centered on MW-4 and MW-8R, while the April/May 2015 injections included an expanded area which also included MW-13S/D and MW-16S/D. Overall, decreases in TCE concentrations observed since the combined DPE groundwater remediation system was installed in May 2004 indicate that the system continues to reduce VOC concentrations in overburden groundwater and soil at the site.

Quarterly Combined DPE Remediation System Vapor Effluent Monitoring Activities – January 2018

AECOM personnel collected vapor effluent samples from the combined groundwater remediation system vapor discharge stacks on January 11, 2018. Summa canisters were used to collect the vapor samples from the permanent sample port located on the air stripper (AS) discharge stack and from the DPE vacuum pump discharge stack. **Figure 3** shows the location of the vapor sample ports. The vapor samples were analyzed for VOCs using EPA Method TO-15 by TestAmerica Laboratories, Inc., Burlington, Vermont.

Combined DPE Remediation System Effluent Monitoring Results – January 2018

The system vapor effluent results are summarized in **Table 7**, and an electronic copy of the analytical laboratory data package is provided on the enclosed CD in **Appendix C**. Seven VOCs were detected in the AS unit effluent and four VOCs were detected in the DPE vacuum pump effluent. The total VOCs discharged were 4,029 micrograms per cubic meter in the combined AS and DPE vacuum pump unit effluents. The calculated VOC discharge-loading rate for the combined DPE remediation system was approximately 0.0012 pounds per hour (lb/hr), which is well below the NYSDEC discharge guidance value of 0.5 lb/hr.

Combined DPE Remediation System Operation and Maintenance

During the reporting period, AECOM monitored system performance, conducted routine O&M, and responded to system alarms and periodic breakdowns of the combined DPE remediation system.

- On December 20, 2017, AECOM completed the 180-day hazardous waste transport and disposal activities with AECOM subcontractor Heritage Environmental Services, LLC. Approximately 95 pounds of O&M solids (F002) were transported off site for incineration.
- AECOM and subcontractor Matrix Environmental Technologies, Inc. serviced the liquid ring pump on December 22, 2017; i.e., the oil and filter were changed.

Based on a system operational period from October 24, 2017 (Fourth Quarter groundwater sampling event) to January 11, 2018, the total combined DPE system runtime was approximately 85% percent (note the system was down for a couple of days to service the liquid ring pump). During this operational period, the estimated total volume of groundwater treated and discharged by the AS unit to the local sanitary sewer was 17,985 gallons, at an average flow rate of 0.15 gallons per minute.

Summary

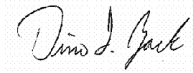
The DPE system was turned back on in August 2016 following being off-line since the November 2014 and April/May 2015 injection pilot tests. The GWCT was also operational during First Quarter 2018 groundwater sampling and monitoring activities that occurred on January 8-10, 2018 (note vapor samples were collected on 1/11/18). TCE was not detected above its RAO in site perimeter monitoring wells MW-2, MW-3, MW-6, MW-10, and MW-11. Following the November 2014 injection pilot test and the April/May 2015 injection treatment, significant reductions in TCE and cis-1,2-DCE concentrations have been measured at MW-4, MW-8R, MW-13S, and MW-16S. At the most highly impacted monitoring well (MW-16S), the concentrations of daughter products continue to decrease; i.e., between 10/24/17 and 1/9/18, cis-1,2-DCE decreased by about 31% and the concentration of VC decreased by about 26%.

Based on the results of the January 2018 sampling event, the combined GWCT and DPE system continue to maintain hydraulic capture of the overburden groundwater. In addition, the system continues to make progress towards the reduction of the concentration of VOCs present in site soil and groundwater. Vapor emissions produced by the system during the First Quarter 2018 were far less than the NYSDEC discharge guidance value of 0.5 lb/hr.

The next monitoring event is planned for April 2018; a list of the monitoring wells and piezometers to be sampled is included in **Table 1**.

If you have any questions regarding this submission, please do not hesitate to contact me at (716) 923-1125 or via e-mail at dino.zack@aecom.com.

Yours sincerely,



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\Enclosures

cc: Stuart Rixman, GSF Management Company LLC (Electronic copy)
 Troy Chute, GSF Management Company LLC (Electronic copy)
 Christopher Bourne , AVOX Systems Inc. (Electronic Copy)
 AECOM Project 60538931 File (Electronic Copy)

Tables

Table 1

**Groundwater Monitoring Schedule - April 2018 through January 2019
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Event Date	Number of Locations Scheduled for Sampling	Locations Scheduled for Sampling			
April 2018 (Annual)	25	MW-2 MW-8R MW-12 MW-14D MW-16D DPE-4 GWCT	MW-3 MW-9 MW-13S MW-15S DPE-1 DPE-5	MW-4 MW-10 MW-13D MW-15D DPE-2 DPE-7	MW-6 MW-11 MW-14S MW-16S DPE-3 DPE-8
July 2018 (Quarterly)	20	MW-2 MW-8R MW-13S DPE-1 DPE-5	MW-3 MW-10 MW-13D DPE-2 DPE-7	MW-4 MW-11 MW-16S DPE-3 DPE-8	MW-6 MW-12 MW-16D DPE-4 GWCT
October 2018 (Quarterly)	20	MW-2 MW-8R MW-13S DPE-1 DPE-5	MW-3 MW-10 MW-13D DPE-2 DPE-7	MW-4 MW-11 MW-16S DPE-3 DPE-8	MW-6 MW-12 MW-16D DPE-4 GWCT
January 2019 (Quarterly)	20	MW-2 MW-8R MW-13S DPE-1 DPE-5	MW-3 MW-10 MW-13D DPE-2 DPE-7	MW-4 MW-11 MW-16S DPE-3 DPE-8	MW-6 MW-12 MW-16D DPE-4 GWCT

Notes:

MW-## - Monitoring Well

MW-##S - Shallow Piezometer

MW-##D - Deep Piezometer

DPE-## - Dual Phase Extraction Well

GWCT - Groundwater Collection Trench

Table 2

Quarterly Groundwater Monitoring Water Level Data - January 8, 2018
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	687.00	6.61	680.39
MW-3	687.05	10.12	676.93
MW-4	686.50	10.45	676.05
MW-6	686.46	8.92	677.54
MW-8R	686.29	NA	NA
MW-9	689.57	13.04	676.53
MW-10	687.70	7.05	680.65
MW-11	688.61	11.79	676.82
MW-12	686.19	NA	NA
Nested Piezometers			
MW-13S	686.65	4.73	681.92
MW-13D	686.78	9.12	677.66
MW-14S	685.74	5.39	680.35
MW-14D	685.88	17.69	668.19
MW-15S	687.17	0.00	687.17
MW-15D	687.87	13.08	674.79
MW-16S	688.15	6.29	681.86
MW-16D	688.16	12.38	675.78
Remedial System			
GWCT Manhole (rim)	687.22	21.52	665.70
DPE Wells			
DPE-1	687.17	9.65	677.52
DPE-2	685.32	15.36	669.96
DPE-3	685.98	NA	NA
DPE-4	686.00	17.84	668.16
DPE-5	686.91	4.65	682.26
DPE-7	685.92	11.78	674.14
DPE-8	686.03	2.81	683.22

Notes:

TOC - Top of Casing

AMSL - Above Mean Sea Level

GWCT - Groundwater Collection Trench

NA - Not Available due to snow cover

GWCT is 200 feet long with a 0.01 foot/foot slope to the collection manhole

Locations re-surveyed on February 23, 2016

Table 3

**Summary of January 2018 Analytical Data
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID	Groundwater	MW-2	MW-3	MW-4	MW-6	MW-10	MW-11
Date Collected	RAO/NYCRR	01/08/18	01/10/18	01/08/18	01/08/18	01/08/18	01/08/18
Lab Sample ID	Objective	480-129995-1	480-129995-2	480-129995-3	480-129995-4	480-129995-5	480-129995-6
Volatile Organic Compounds by Method 8260 (µg/L)							
1,1-Dichloroethane	5*	< 1.0 U	12	8.0	< 1.0 U	< 1.0 U	0.99 J
1,2-Dichloroethane	0.6	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U
2-Butanone (MEK)	50	< 10 U	< 10 U	210	5.2 J	< 10 U	< 50 U
Acetone	50	< 10 U	< 10 U	81	5.4 J	< 10 U	< 50 U
Benzene	1	< 1.0 U	< 1.0 U	3.8 J	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	5*	1.3	0.72 J	490	< 1.0 U	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene	5*	< 1.0 U	3.1	6.0	< 1.0 U	< 1.0 U	2.4
Cyclohexane	NL	0.21 J	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methylene Chloride	5	< 1.0 U	3.3	< 5.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	5*	< 1.0 U	< 1.0 U	11	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	5	< 1.0 U	< 1.0 U	16	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl chloride	5*	< 1.0 U	11	46	< 1.0 U	< 1.0 U	2.1
Total Volatile Organic Compounds	NL	1.5	30	864	10.6	0.0	5.5

Table 4

**Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID	Groundwater	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1
Date Collected	RAO/ NYCRR	04/17/14	04/06/16	07/06/16	10/27/16	01/16/17	04/18/17	07/11/17	10/19/17	01/10/18
Lab Sample ID	Objective	480-58303-1	480-97989-10	480-102662-9	480-108538-3	480-112334-10	480-116720-17	480-121042-17	480-126348-2	480-129995-14
Volatile Organic Compounds by Method 8260 (µg/L)										
1,1,1-Trichloroethane	5*	10 U	20 U	10 U	5.0 U	20 U	7.7	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5*	69	130	10 U	21	20	5.0 U	2.8	2.4	67
1,1-Dichloroethene	5	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	1.0 U	0.98 J
1,2-Dichloroethane	0.6	10 U	20 U	10 U	1.1 J	20 U	5.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	140	200 U	100 U	24 J	200 U	50 U	10	33 J	58
2-Hexanone	50	50 U	100 U	50 U	25 U	100 U	25 U	5.0 U	5.0 U	2.6 J
4-Methyl-2-pentanone (MIBK)	NL	50 U	100 U	50 U	25 U	100 U	25 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	0.51 J	2.3
Acetone	50	310	200 U	100 U	64	65 J	50 U	36	84	160
Benzene	1	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	1.0 U	1.6
Carbon Disulfide	60	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	5.7	1.0
Chloroethane	5*	15	20 U	10 U	9.2	15 J	24	4.1	7.6	20
Chloromethane	5	10 U	18 J	10 U	5.0 U	20 U	5.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5*	71	130	10 U	25	16 J	12	2.4	5.3	58
Methylene Chloride	5	10 U	20 U	10 U	4.3 J	20 U	5.0 U	1.0 U	5.0 U	1.0 U
Toluene	5*	18	29	10 U	5.7	20 U	3.8 J	0.74 J	3.6	14
trans-1,2-Dichloroethene	5	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	1.0 U	1.0
Trichloroethene	5*	23	18 J	10 U	4.7 J	20 U	1.3 J	1.0 U	1.0 U	10
Vinyl chloride	5*	15	31	10 U	6.8	20 U	5.0 U	5.0 U	1.1	15
Xylenes, Total	5	20 U	40 U	20 U	10 U	40 U	10 U	2.0 U	2.0 U	6.9

Notes:

The DPE system was put back on line following the third quarter 2016 sampling event.

The injection of ABC+[®] occurred in November 2014 and April/May 2015.

Bold font indicates the analyte was detected.

Bold font and bold outline indicates the screening criteria was exceeded.

* Site-specific RAO per ROD (November 1994)

J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit; concentrations estimated.

U - Not detected at or above reporting limit.

NS - Not sampled.

Table 4

**Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID	Groundwater	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2
Date Collected	RAO/ NYCRR	04/17/14	04/06/16	07/06/16	01/16/17	04/18/17	07/11/17	10/23/17	01/10/18
Lab Sample ID	Objective	480-58303-6	480-97989-11	480-102662-8	480-112334-11	480-116720-18	480-121042-18	480-126420-7	480-129995-15
Volatile Organic Compounds by Method 8260 (µg/L)									
1,1,1-Trichloroethane	5*	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5*	4.4	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	50 U	50 U	50 U	3.2 J	50 U	10 U	10 U	10 U
2-Hexanone	50	25 U	25 U	25 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)	NL	25 U	25 U	25 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Acetone	50	50 U	50 U	50 U	10 U	50 U	6.0 J	3.4 J	10 U
Benzene	1	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Carbon Disulfide	60	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	0.33 J	1.0 U	1.0 U
Chloroethane	5*	5.0 U	5.0 U	5.0 U	2.5	3.5 J	1.0 U	1.0 U	1.0 U
Chloromethane	5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.7	3.2 J	11
cis-1,2-Dichloroethene	5*	240	5.0 U	5.0 U	1.0 U	2.4 J	1.0 U	1.0 U	1.0 U
Methylene Chloride	5	5.0 U	5.0 U	5.0 U	0.51 J	5.0 U	1.0 U	1.0 U	5.2
Toluene	5*	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5*	5.9	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	5*	54	5.0 U	5.0 U	1.0 U	5.0 U	1.0 U	0.85 J	1.7
Xylenes, Total	5*	5.0 U	5.0 U	10 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U

Notes:

The DPE system was put back on line following the third quarter 2016 sampling event.

The injection of ABC+[®] occurred in November 2014 and April/May 2015

Bold font indicates the analyte was detected.

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* Site-specific RAO per ROD (November 1994)

J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit; concentrations estimated.

U - Not detected at or above reporting limit.

NS - Not sampled.

Table 4

**Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID Date Collected Lab Sample ID	Groundwater RAO/ NYCRR Objective	DPE-3 04/17/14 480-58303-2	DPE-3 07/24/15 480-84562-16	DPE-3 10/21/15 480-89674-15	DPE-3 04/06/16 480-97989-12	DPE-3 07/07/16 480-102824-3	DPE-3 10/27/16 480-108538-4	DPE-3 01/16/17 480-112334-12	DPE-3 04/18/17 480-116720-19	DPE-3 07/11/17 480-121042-19	DPE-3 10/24/17 480-126420-15	DPE-3 01/10/18
Volatile Organic Compounds by Method 8260 (µg/L)												
1,1,1-Trichloroethane	5*	43	10 U	20 U	5.0 U	10 U	5.0 U	20 U	5.4	20 U	20 U	NS
1,1-Dichloroethane	5*	42	24	20 U	5.0 U	10 U	5.0 U	20 U	14	92	34	NS
1,1-Dichloroethene	5	26	3.1 J	20 U	5.0 U	10 U	5.0 U	20 U	20	53	11 J	NS
1,2-Dichloroethane	0.6	10 U	10 U	20 U	5.0 U	10 U	5.0 U	20 U	1.0 U	20 U	20 U	NS
2-Butanone (MEK)	50	100 U	610	220	50 U	100 U	50 U	200 U	10	200 U	1,000 U	NS
2-Hexanone	50	50 U	50 U	100 U	25 U	50 U	25 U	100 U	5 U	100 U	100 U	NS
4-Methyl-2-pentanone (MIBK)	NL	50 U	50 U	100 U	25 U	50 U	25 U	100 U	5 U	100 U	100 U	NS
Ethylbenzene	5	10 U	10 U	20 U	5.0 U	10 U	5.0 U	20 U	1.0 U	20 U	20 U	NS
Acetone	50	50 U	110	110 J	50 U	100 U	50 U	200 U	28	200 U	500 U	NS
Benzene	1	10 U	10 U	20 U	5.0 U	10 U	5.0 U	20 U	1.0 U	20 U	20 U	NS
Carbon Disulfide	60	10 U	10 U	20 U	5.0 U	10 U	5.0 U	20 U	0.5 J	20 U	20 U	NS
Chloroethane	5*	10 U	23	20 U	5.0 U	10 U	5.0 U	20 U	5.5	20 U	14 J	NS
Chloromethane	5	10 U	10 U	20 U	5.0 U	10 U	6	20 U	1.0 U	20 U	20 U	NS
cis-1,2-Dichloroethene	5*	2,700	650	70	18	8.7 J	5.0 U	20 U	4,300	11,000	1,700	NS
Methylene Chloride	5	10 U	6.1 J	20 U	7.5	10 U	5.0 U	20 U	1.0 U	20 U	100 U	NS
Toluene	5*	8.0 J	8.4 J	20 U	5.0 U	10 U	5.0 U	20 U	4.1	12 J	20 U	NS
trans-1,2-Dichloroethene	5	10 U	10 U	20 U	5.0 U	10 U	5.0 U	20 U	68	22	19 J	NS
Trichloroethene	5*	6,500	10 U	20 U	5.0 U	10 U	3.1 J	20 U	190	69	430	NS
Vinyl chloride	5*	120	240	20 U	12	43	10	45	480	10,000	430	NS
Xylenes, Total	5	20 U	20 U	20 U	10 U	20 U	10 U	40 U	2.0 U	40 U	40 U	NS

Notes:

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NS - Not sampled.

Table 4

**Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID	Groundwater	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4
Date Collected	RAO/ NYCRR	04/17/14	07/24/15	10/21/15	07/06/16	10/27/16	01/16/17	04/18/17	07/11/17	10/23/17	01/10/18
Lab Sample ID	Objective	480-58303-3	480-84562-17	480-89674-16	480-102662-10	480-108538-5	480-112334-13	480-116720-20	480-121042-19	480-126420-8	480-12995-16
Volatile Organic Compounds by Method 8260 (µg/L)											
1,1,1-Trichloroethane	5*	10 U	10 U	100 U	400 U	1.0 U	100 U	20 U	NS	50 U	50 U
1,1-Dichloroethane	5*	8.1	130	450	400 U	2.5	100 U	20	NS	22 J	50 U
1,1-Dichloroethene	5	10 U	30	460	400 U	1.0 U	100 U	17 J	NS	34 J	50 U
1,2-Dichloroethane	0.6	10 U	2.2 J	100 U	400 U	1.0 U	100 U	20 U	NS	50 U	50 U
2-Butanone (MEK)	50	50 U	65 J	1,000 U	4,000 U	10 U	1,000 U	200 U	NS	2,500 U	500 U
2-Hexanone	50	50 U	50 U	500 U	2,000 U	5 U	500 U	100 U	NS	2,500 U	250 U
4-Methyl-2-pentanone (MIBK)	NL	50 U	50 U	500 U	2,000 U	5 U	500 U	100 U	NS	2,500 U	250 U
Ethylbenzene	5	10 U	10 U	100 U	400 U	1.0 U	100 U	20 U	NS	50 U	50 U
Acetone	50	50 U	46 J	1,000 U	4,000 U	6.9 J	1,000 U	200 U	NS	1,300 U	190 J
Benzene	1	10 U	10 U	100 U	400 U	1.0 U	100 U	20 U	NS	50 U	50 U
Carbon Disulfide	60	10 U	3.4 J	100 U	400 U	2.1	100 U	20 U	NS	50 U	50 U
Chloroethane	5*	10 U	49	110	400 U	4.6	100 U	8 J	NS	50 U	50 U
Chloromethane	5	10 U	10 U	230	400 U	1.0 U	100 U	20 U	NS	50 U	50 U
cis-1,2-Dichloroethene	5*	510	30,000	130,000	25,000	130	4,300	4,400	NS	6,000	2,100
Methylene Chloride	5	10 U	8.1 J	100 U	260 J	5.7 J	81 J	20 U	NS	250 U	320
Toluene	5*	10 U	28	140	400 U	1.0 U	100 U	7 J	NS	50 U	50 U
trans-1,2-Dichloroethene	5	10 U	36	100 U	400 U	1.0 U	100 U	76	NS	50 U	50 U
Trichloroethene	5*	630	93	120	400	1.4	100 U	120	NS	13 J	47 J
Vinyl chloride	5*	31	4,700	37,000	12,000	44	1,100	1,400	NS	3,700	430
Xylenes, Total	5	50 U	50 U	500 U	200 U	5 U	500 U	100 U	NS	150 U	100 U

Notes:

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Table 4

**Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID	Groundwater	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5
Date Collected	RAO/ NYCRR	04/17/14	07/24/15	10/21/15	07/06/16	10/27/16	01/16/17	04/18/17	07/11/17	10/19/17	01/10/18
Lab Sample ID	Objective	480-58303-4	480-84562-18	480-89674-17	480-102662-13	480-108538-6	480-112334-14	480-116720-21	480-121042-21	480-126348-1	480-129995-17
Volatile Organic Compounds by Method 8260 (µg/L)											
1,1,1-Trichloroethane	5*	10 U	10 U	10 U	10 U	10 U	50 U	20 U	8.0 U	1.0 U	10 U
1,1-Dichloroethane	5*	160	30	59	17	110	150	44	45	100	66
1,1-Dichloroethene	5	2.9 J	10 U	10 U	10 U	10 U	82	20 U	8.0 U	1.0 U	10 U
1,2-Dichloroethane	0.6	10 U	10 U	10 U	10 U	9.3 J	50 U	20 U	8.0 U	1.0 U	10 U
2-Butanone (MEK)	50	26 J	330	660	78 J	100 U	500 U	200 U	80 U	240	21 J
2-Hexanone	50	50 U	50 U	50 U	50 U	50 U	50 U	100 U	40 U	5.0 U	50 U
4-Methyl-2-pentanone (MIBK)	NL	50 U	50 U	50 U	50 U	50 U	50 U	100 U	40 U	5.0 U	50 U
Ethylbenzene	5	10 U	10 U	10 U	10 U	10 U	50 U	20 U	8.0 U	1.8 U	10 U
Acetone	50	120	240	340	120	180	160 J	200 U	200	25 U	90 J
Benzene	1	10 U	10 U	10 U	10 U	10 U	50 U	20 U	8.0 U	0.52 J	10 J
Carbon Disulfide	60	10 U	10 U	10 U	10 U	10 U	50 U	20 U	12	3.0	3.1 J
Chloroethane	5*	46	51	81	87	120	130	38	60	84	80
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	20 U	8.0 U	1.0 U	10 U
cis-1,2-Dichloroethene	5*	320	410	610	120	2,800	33,000	2,000	290	1,400	480
Methylene Chloride	5	10 U	4.5 J	10 U	10 U	10 U	26 J	20 U	8.0 U	5.0 U	10 U
Toluene	5*	30	11	9.2	10 U	12	37 J	7.8 J	8.0 U	5.7	9.6 J
trans-1,2-Dichloroethene	5	10 U	11	20	10 U	10 U	10 U	24	8.0 U	22	10
Trichloroethene	5*	160	10 U	10 U	10 U	14	250	5.5 J	8.0 U	1.0 U	6.7 J
Vinyl chloride	5*	71	180	170	71	1,600	6,400	570	190	1,600	250
Xylenes, Total	5	50 U	50 U	50 U	50 U	50 U	50 U	100 U	40 U	2.3 J	20 U

Notes:

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Table 4

**Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID Date Collected Lab Sample ID	Groundwater RAO/ NYCRR Objective	DPE-7 04/17/14 480-58303-5	DPE-7 07/24/15 480-84562-19	DPE-7 10/21/15 480-89674-18	DPE-7 07/07/16 480-102824-4	DPE-7 10/27/16 480-108538-7	DPE-7 01/16/17 480-112334-15	DPE-7 04/18/17 480-116720-23	DPE-7 07/11/17 480-121042-22	DPE-7 10/23/17 480-126420-5	DPE-7 01/10/18 480-129995-18
Volatile Organic Compounds by Method 8260 (µg/L)											
1,1,1-Trichloroethane	5*	10 U	20 U	20 U	20 U	20 U	20 U	1.0 U	20 U	1.0 U	10 U
1,1-Dichloroethane	5*	460	250	390	63	20 U	91	120	45	67	10 U
1,1-Dichloroethene	5	47 J	12 J	20 U	20 U	20 U	20 U	0.48 J	20 U	1.0 U	10 U
1,2-Dichloroethane	0.6	10 U	20 U	20 U	20 U	20 U	20 U	0.41 J	20 U	1.0 U	10 U
2-Butanone (MEK)	50	50 U	150 J	940	530	210	270	280	120 J	67	100 U
2-Hexanone	50	50 U	100 U	100 U	100 U	100 U	100 U	5.0 U	100 U	5.0 U	50 U
4-Methyl-2-pentanone (MIBK)	NL	50 U	100 U	100 U	100 U	100 U	100 U	5.0 U	100 U	5.0 U	50 U
Ethylbenzene	5	10 U	20 U	20 U	20 U	20 U	20 U	1.0 U	20 U	1.0 U	10 U
Acetone	50	50 U	1,100	530	230	130 J	140 J	150	130 J	30	100 U
Benzene	1	10 U	20 U	20 U	20 U	20 U	20 U	1.0	20 U	0.66 J	10 U
Carbon Disulfide	60	10 U	20 U	20 U	20 U	20 U	20 U	1.0 U	20 U	1.0 U	10 U
Chloroethane	5*	11	27	260	260	110	530	360	450	340	340
Chloromethane	5	10 U	20 U	20 U	20 U	20 U	20 U	1.0 U	20 U	1.0 U	10 U
cis-1,2-Dichloroethene	5*	11,000	820	680	26	27	20 U	67	20 U	1.3	10
Methylene Chloride	5	10 U	11 J	20 U	20 U	20 U	12 J	1.0 U	20 U	5.0 U	10 U
Toluene	5*	10 U	20 U	20 U	20 U	20 U	20 U	5.8	20 U	2.0	10 U
trans-1,2-Dichloroethene	5	10 U	20 U	20 U	20 U	20 U	20 U	4.1 J	20 U	1.3	10 U
Trichloroethene	5*	1,300	20 U	12 J	20 U	20 U	20 U	0.93 J	20 U	0.46 J	10 U
Vinyl chloride	5*	580	470	780	300	20 U	50	270	110	25	10 U
Xylenes, Total	5	50 U	100 U	100 U	100 U	100 U	100 U	5.0 U	100 U	5.0 U	20 U

Notes:

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NS - Not sampled.

Table 4

**Summary of Dual Phase Extraction Well Groundwater Analytical Data
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID	Groundwater	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8
Date Collected	RAO/ NYCRR	07/24/15	10/21/15	07/07/16	10/27/16	01/16/17	04/18/17	07/11/17	10/23/17	01/10/18
Lab Sample ID	Objective	480-84562-20	480-89674-19	480-102824-5	480-108538-1	480-112334-16	480-116720-24	480-121042-20	480-126420-6	480-129995-19
Volatile Organic Compounds by Method 8260 (µg/L)										
1,1,1-Trichloroethane	5*	57	170	39	21	170	55	100 U	4.8	20 U
1,1-Dichloroethane	5*	140	590	58	22	130	50 U	310	4.4	50
1,1-Dichloroethene	5	50 U	20	5.0 U	4.0 J	27 J	50 U	100 U	1.6	8.2 J
1,2-Dichloroethane	0.6	50 U	20 U	5.0 U	5.0 U	40 U	50 U	100 U	1.0 U	20 J
2-Butanone (MEK)	50	540	260	50 U	50 U	400 U	500 U	1,000 U	50 U	200 J
2-Hexanone	50	250 U	100 U	25 U	25 U	200 U	250 U	500 U	5 U	100 J
4-Methyl-2-pentanone (MIBK)	NL	250 U	100 U	25 U	25 U	200 U	250 U	500 U	5 U	100 J
Ethylbenzene	5	50 U	20 U	5.0 U	5.0 U	40 U	50 U	100 U	1.0 U	20 J
Acetone	50	890	220	50 U	50 U	400 U	500 U	1,000 U	25 U	200 J
Benzene	1	50 U	20 U	5.0 U	5.0 U	40 U	50 U	100 U	1.0 U	20 J
Carbon Disulfide	60	50 U	11	5.0 U	5.0 U	40 U	50 U	51 J	1.0 U	20 J
Chloroethane	5*	50 U	54	44	12	40 U	50 U	100 U	1.8	22
Chloromethane	5	50 U	20 U	5.0 U	5.0 U	40 U	50 U	100 U	1.0 U	20 J
cis-1,2-Dichloroethene	5*	1,500	2,300	5.0 U	850	4,100	4,800	8,500	110	540
Methylene Chloride	5	23 J	20 U	5.0 U	5.0 U	40 U	50 U	100 U	5.0 U	20 J
Toluene	5*	50 U	20 U	5.0 U	5.0 U	40 U	50 U	100 U	1.0 U	20 J
trans-1,2-Dichloroethene	5	50 U	55	8.1	5.0 U	40 U	57	100 U	0.99	20 J
Trichloroethene	5*	230	92	5.4	8.4	98	36 J	100 U	6.6	11 J
Vinyl chloride	5*	1,400	1,700	110	140	920	480	2,300	1.0 U	410
Xylenes, Total	5	250 U	100 U	25 U	25 U	200 U	250 U	500 U	5.0 U	40 J

Notes:

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U - Not detected at or above reporting limit.

NS - Not sampled.

Table 5

Summary of Groundwater Collection Trench Analytical Data
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID Date Collected Lab Sample ID	Groundwater RAO/ NYCRR Objective	GWCT Manhole 07/24/15 480-84562-15	GWCT Manhole 10/19/15 480-89674-20	GWCT Manhole 01/05/16 480-93630-15	GWCT Manhole 04/04/16 480-84562-15	GWCT Manhole 07/05/16 480-102662-4	GWCT Manhole 10/27/16 480-108538-2	GWCT Manhole 01/16/17 480-112334-8	GWCT Manhole 04/20/17 480-116720-15	GWCT Manhole 07/11/17 480-121042-15	GWCT Manhole 10/23/17 480-126420-1	GWCT Manhole 01/08/18 480-129995-13
Volatile Organic Compounds by Method 8260 (µg/L)												
1,1-Dichloroethane	5*	1.3	0.7	< 1.0 U	0.4 J	< 1.0 U	< 1.0 U	< 1.0 U	0.74 J	< 1.0 U	< 1.0 U	< 1.0 U
2-Butanone (MEK)	50	2.4 J	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 10 U	< 10 U	< 10 U	< 10 U
Acetone	50	7.0 J	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 10 U	< 10 U	< 10 U	< 10 U
Chloroethane	5*	< 1.0 U	< 1.0 U		62	44	70	34	45	26	65	45
cis-1,2-Dichloroethene	5*	1.1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.74 J	< 1.0 U	< 1.0 U	5.1
Ethylbenzene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.19 J	< 1.0 U
Toluene	5*	< 1.0 U	< 1.0 U	0.99 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.25 J	< 1.0 U
trans-1,2-Dichloroethene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.34 J	< 1.0 U
Xylenes, Total	5*	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	0.67 J	< 2.0 U
Total Volatile Organic Compounds	NA	12.8	0.7	63	44	70	34	45	27	65	45	69

Notes:

Bold font indicates the analyte was detected.

Bold font and bold outline indicates the screening criteria was exceeded.

* Site-specific RAO per ROD (November 1994)

J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit; concentrations estimated.

U - Not detected at or above reporting limit.

NA - Not applicable

Table 6

Summary of Trichloroethene Concentrations Following November 2014 Injection Pilot Study - January 2018
Former Scott Aviation Facility - West of Plant 2 Site
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Well ID	Jan 2015 ⁽¹⁾	Apr 2015	Jul 2015	Oct 2015	Jan 2016	Apr 2016	Jul 2016	Oct 2016	Jan 2017	Apr 2017	Jul 2017	Oct 2017	Jan 2018	TCE Reduction - Previous Sampling	TCE Reduction - Baseline Sampling
MW-2	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND
MW-3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND
MW-4	18,000	110	<100	<100	<100	<100	<20	<20	<20	<5	<20	<20	<5	ND	ND
MW-6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND
MW-8R	2,100	<2,000	200	<25	<1,000	<1,000	24	<100	<100	14	<400	7.7	NS	NA	NA
MW-10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND
MW- 11	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND
MW-12	NS	<1	<1	<1	<1	<5	<5	<1	<4	<1	<1	<1	<1	ND	ND
MW-13S	19,000	31,000	<500	<10	41	<100	<4	<2	2.1	0.26	<2	<5	<40	ND	ND
MW-16S	160,000	26,000	5,100	<4,000	<4,000	<4,000	<2,000	<500	<500	86	<1,000	<500	<1,000	ND	ND

Notes:

(1) New baseline established following November 2014 injection pilot study.

ND - Not Detected

NA - Not Available

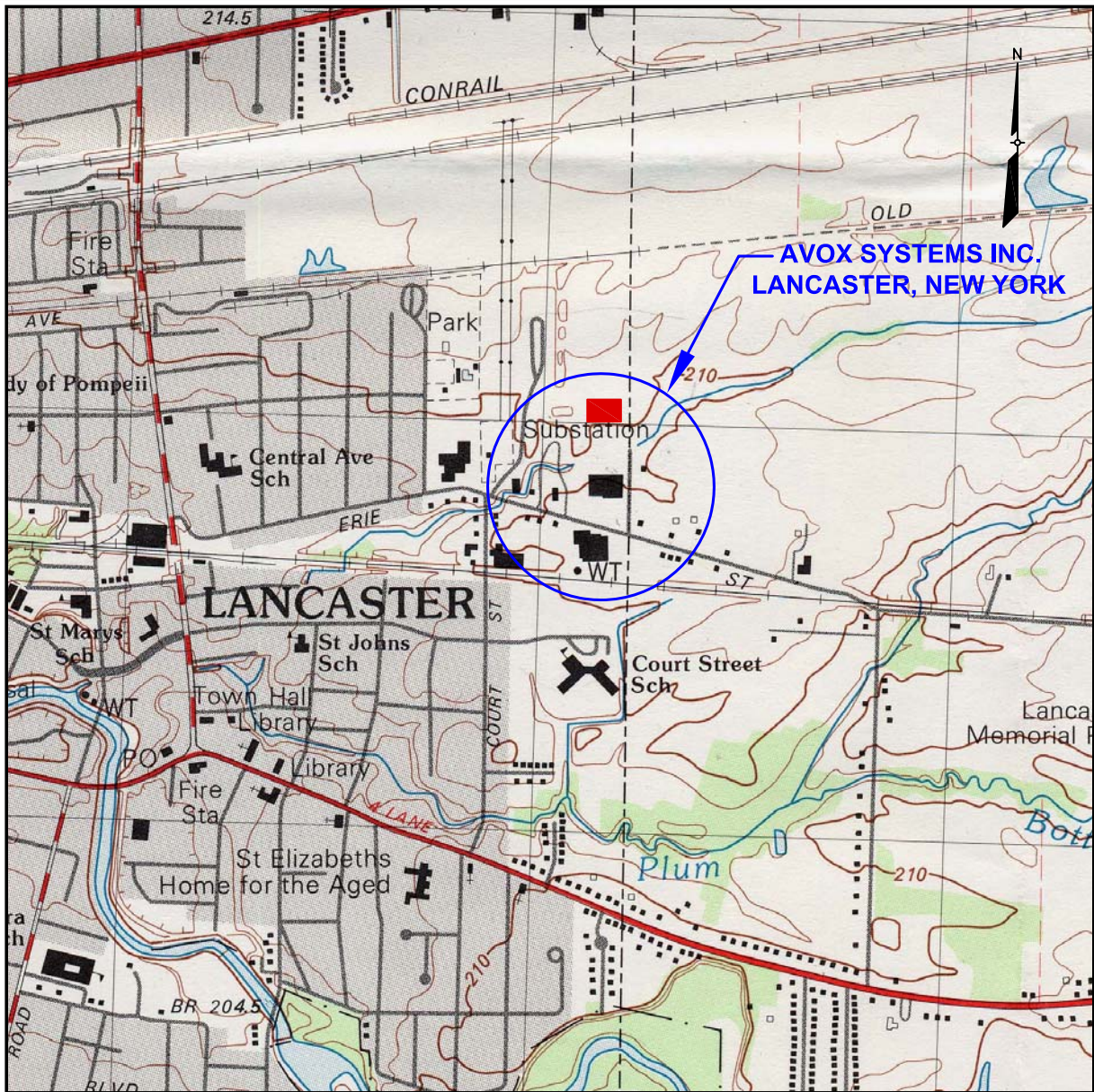
NS - Not Sampled

Table 7

Vapor Monitoring Results - January 2018
Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York

	LRP Effluent 1Q18 1/11/2018	AS Effluent 1Q18 1/11/2018
<u>VOCs by Method TO-15 (µg/m³)</u>		
1,1-Dichloroethane	24	U
1,2-Dichloroethene, Total	2,700	9.1
Carbon disulfide	U	9.1
Chloromethane	U	4.1
Dichlorodifluoromethane	U	2.5
Methyl Ethyl Ketone	U	2.8
Toluene	U	1.4
Trichlorofluoromethane	U	1.3
Trichloroethene	75	U
Vinyl chloride	1,200	U
Total Detected VOCs (µg/m³)	3,999	30
Vacuum (inches Hg)	18	5.5
Air Flow Rate (acfm)	81	190
VOC discharge loading (lb/hr)	0.00121	0.00002
Total VOC discharge loading (lb/hr)	0.00123	
Notes: 1. µg/m³ = micrograms per cubic meter 2. acfm = actual cubic feet per minute 3. Hg = Mercury 4. scfm = standard cubic feet per minute 5. lb/hr = pounds per hour 6. LRP Effluent represents the untreated vapor discharge for the Liquid Ring Pump. 7. AS Effluent represents the untreated vapor discharge for the Air Stripper.		
Qualifiers: U - Not detected at or above reporting limit (reporting limit not included in the Total Detected VOCs).		

FIGURES



SOURCE:
1982 GEOLOGIC SURVEY 7.5 X 15 MINUTE TOPOGRAPHIC QUADRANGLE
LANCASTER, NEW YORK

LEGEND

■ AVOX PLANT 3 ADDED AFTER PUBLICATION OF LANCASTER, NEW YORK
TOPOGRAPHIC QUADRANGLE.

0 1000 2000
SCALE IN FEET

AECOM

**FIGURE 1
SITE LOCATION MAP**

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

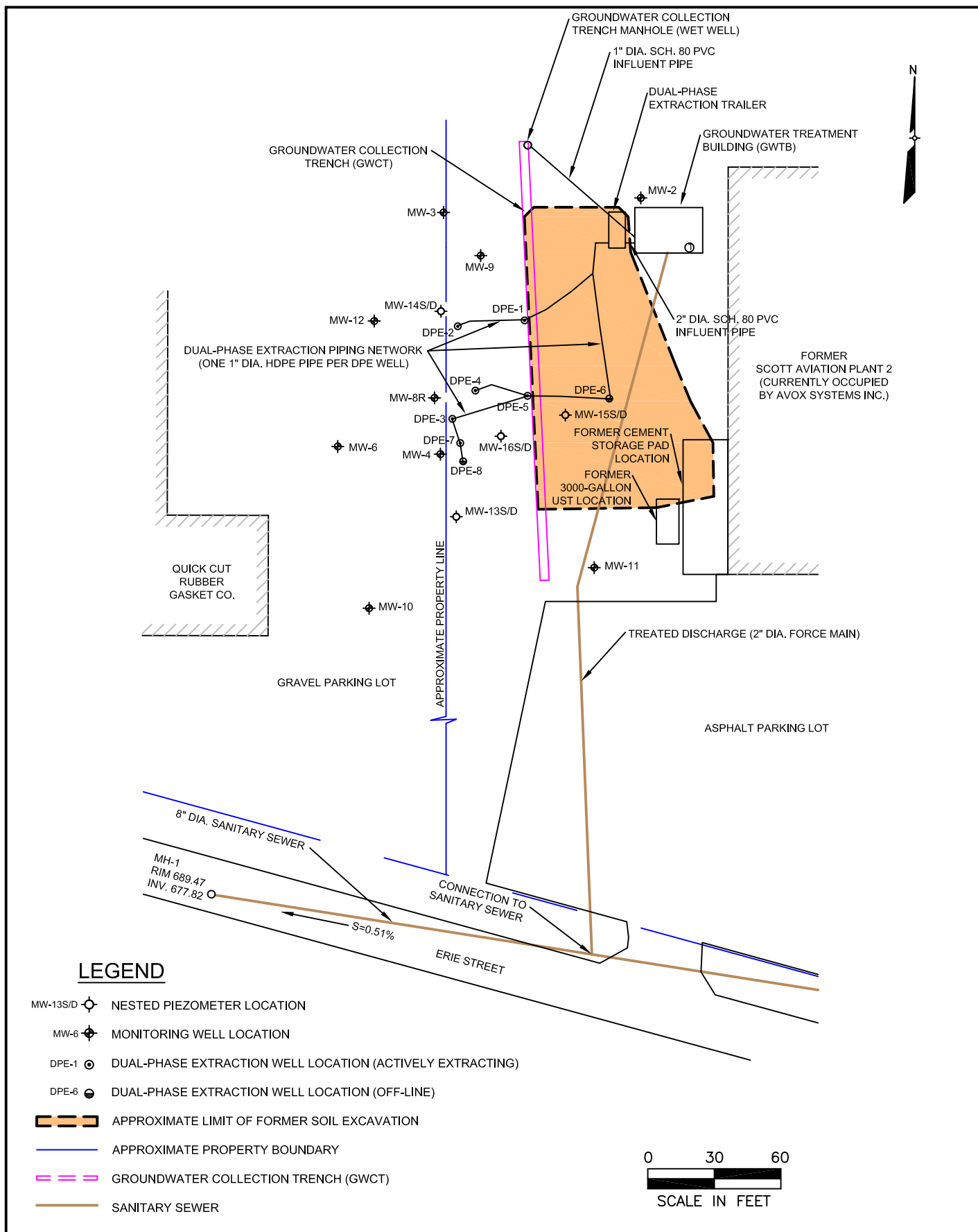


FIGURE 2
SITE FEATURES MAP

FORMER SCOTT AVIATION FACILITY
 LANCASTER, NEW YORK

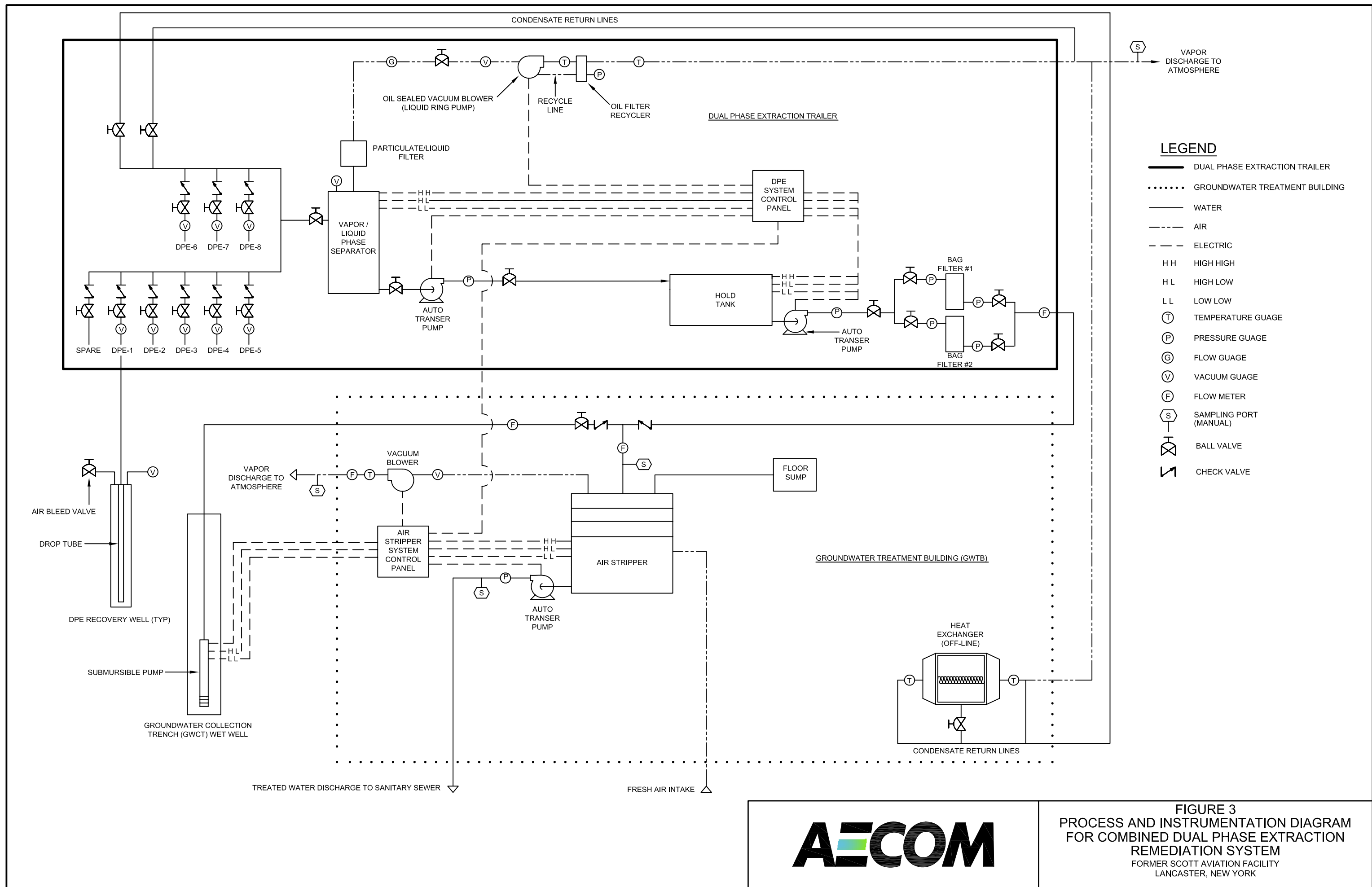
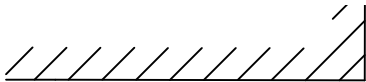


FIGURE 3
PROCESS AND INSTRUMENTATION DIAGRAM
FOR COMBINED DUAL PHASE EXTRACTION
REMEDATION SYSTEM
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

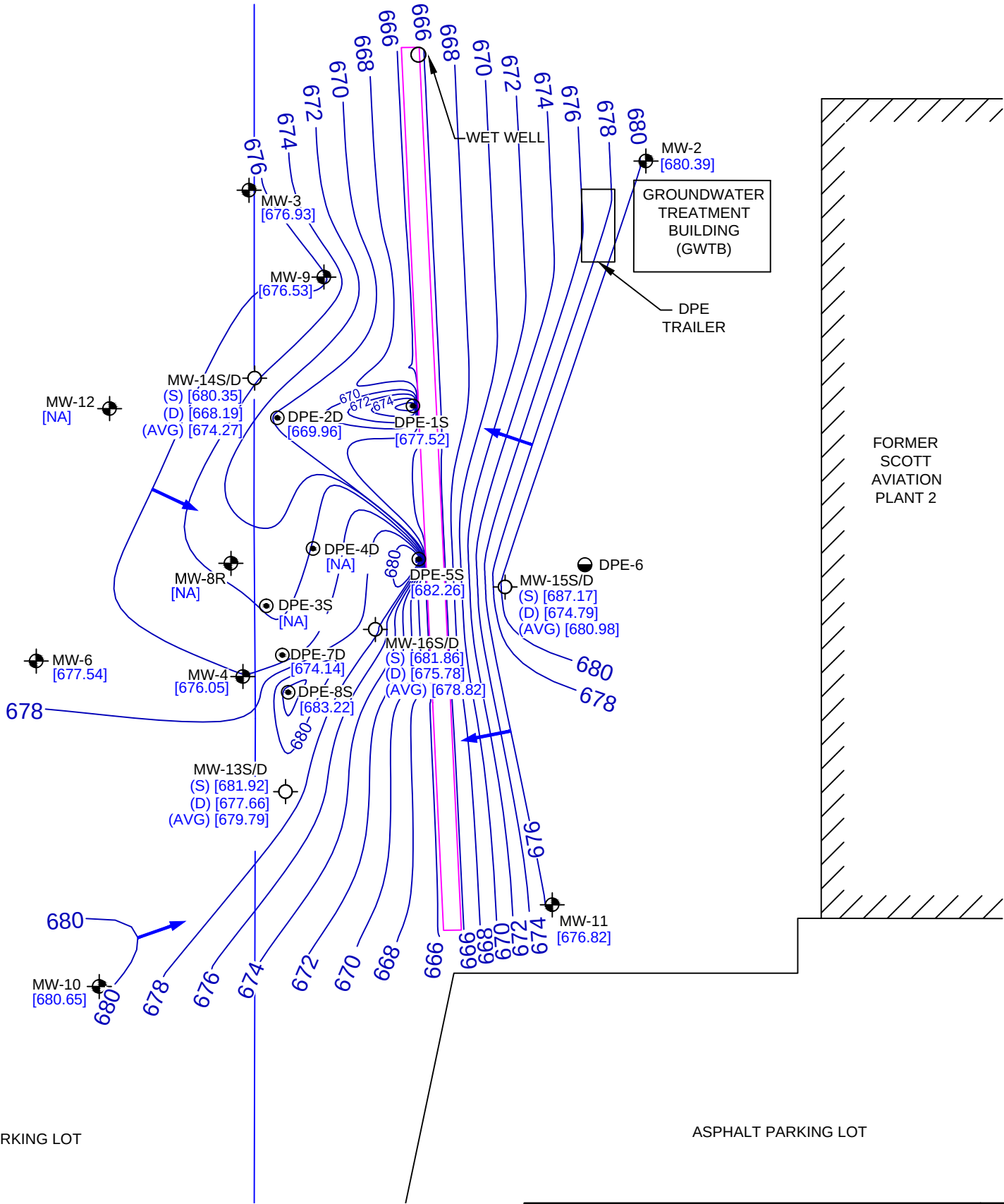
Quarterly Groundwater Monitoring Water Level Data - January 8, 2018
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	687.00	6.61	680.39
MW-3	687.05	10.12	676.93
MW-4	686.50	10.45	676.05
MW-6	686.46	8.92	677.54
MW-8R	686.29	Buried	NA
MW-9	689.57	13.04	676.53
MW-10	687.70	7.05	680.65
MW-11	688.61	11.79	676.82
MW-12	686.19	Buried	NA
Nested Piezometers			
MW-13S	686.65	4.73	681.92
MW-13D	686.78	9.12	677.66
MW-14S	685.74	5.39	680.35
MW-14D	685.88	17.69	668.19
MW-15S	687.17	0.00	687.17
MW-15D	687.87	13.08	674.79
MW-16S	688.15	6.29	681.86
MW-16D	688.16	12.38	675.78
Remedial System			
GWCT Manhole (rim)	687.22	21.52	665.70
DPE Wells			
DPE-1	687.17	9.65	677.52
DPE-2	685.32	15.36	669.96
DPE-3	685.98	Buried	NA
DPE-4	686.00	17.84	NA
DPE-5	686.91	4.65	682.26
DPE-7	685.92	11.78	674.14
DPE-8	686.03	2.81	683.22

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level
GWCT - Groundwater Collection Trench
NA - Not Available/Not Accessible
GWCT is 200 feet long with a 0.01 foot/foot slope to the collection manhole
Locations re-surveyed on February 23, 2016



GRAVEL PARKING LOT



LEGEND

- MW-13S/D NESTED PIEZOMETER LOCATION
- MW-9 MONITORING WELL LOCATION
- DPE-1 DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
- DPE-6 DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- [680.98] GROUNDWATER SURFACE ELEVATION IN FEET MSL
- ESTIMATED GROUNDWATER SURFACE CONTOUR IN FEET MSL
- GROUNDWATER FLOW DIRECTION
- (S) SHALLOW PIEZOMETER/DPE
- (D) DEEP PIEZOMETER/DPE
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY
- [NA] NOT ACCESSIBLE

NOTES

- GROUNDWATER ELEVATIONS WERE AVERAGED AT SHALLOW AND DEEP PIEZOMETER PAIR LOCATIONS (e.g. MW-15S/D) TO COMPARE TO ELEVATIONS MEASURED IN WELLS SCREENED ACROSS THE ENTIRE OVERBURDEN THICKNESS.
- GROUNDWATER WATER LEVELS WERE COLLECTED ON JANUARY 8, 2018.



SCALE IN FEET

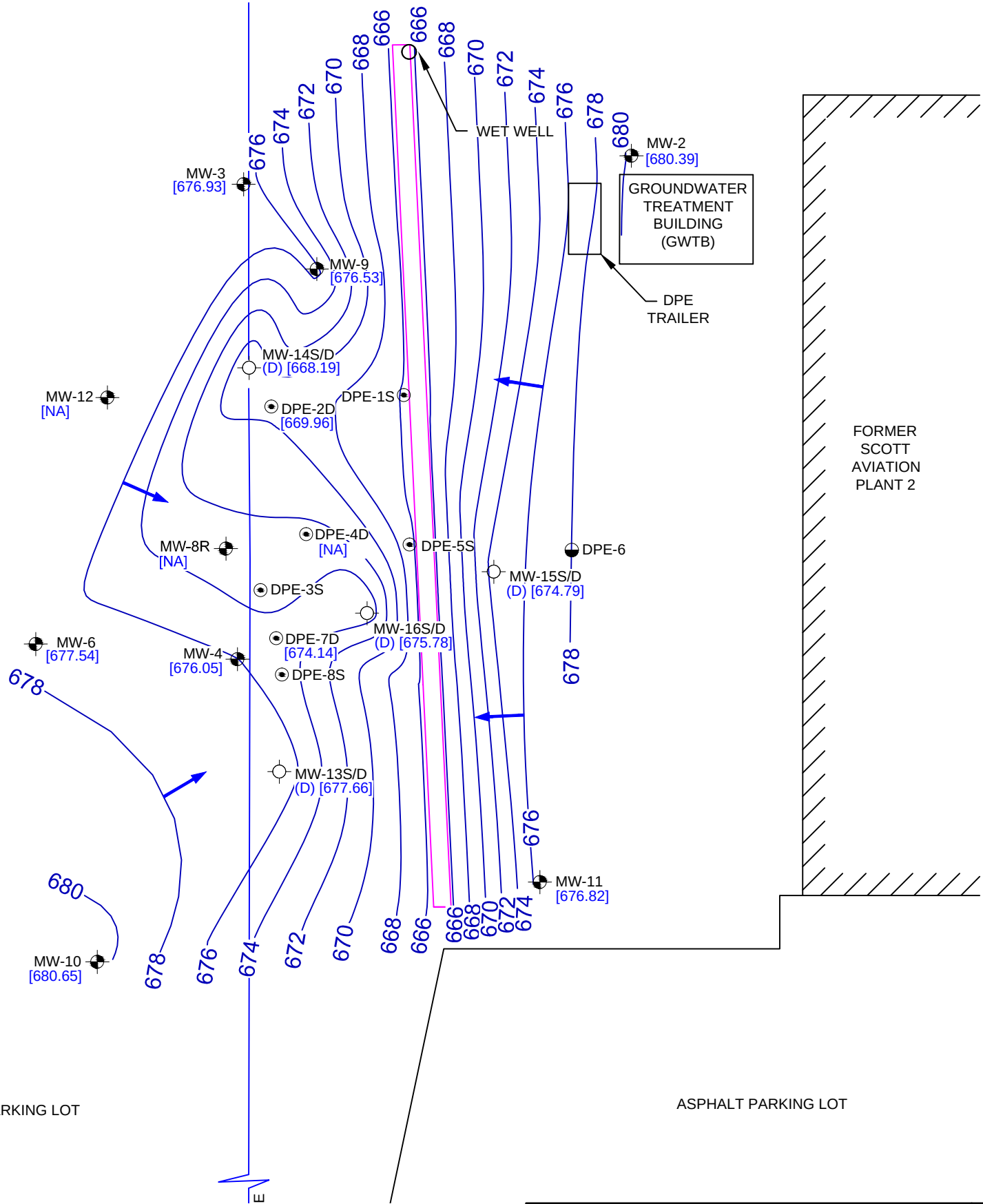
AECOM

FIGURE 4
JANUARY 8, 2018 AVERAGE OVERBURDEN
GROUNDWATER ELEVATIONS
(WITH DPE DATA)
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

Quarterly Groundwater Monitoring Water Level Data - January 8, 2018
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	687.00	6.61	680.39
MW-3	687.05	10.12	676.93
MW-4	686.50	10.45	676.05
MW-6	686.46	8.92	677.54
MW-8R	686.29	Buried	NA
MW-9	689.57	13.04	676.53
MW-10	687.70	7.05	680.65
MW-11	688.61	11.79	676.82
MW-12	686.19	Buried	NA
Nested Piezometers			
MW-13S	686.65	4.73	681.92
MW-13D	686.78	9.12	677.66
MW-14S	685.74	5.39	680.35
MW-14D	685.88	17.69	668.19
MW-15S	687.17	0.00	687.17
MW-15D	687.87	13.08	674.79
MW-16S	688.15	6.29	681.86
MW-16D	688.16	12.38	675.78
Remedial System			
GWCT Manhole (rim)	687.22	21.52	665.70
DPE Wells			
DPE-1	687.17	9.65	677.52
DPE-2	685.32	15.36	669.96
DPE-3	685.98	Buried	NA
DPE-4	686.00	17.84	NA
DPE-5	686.91	4.65	682.26
DPE-7	685.92	11.78	674.14
DPE-8	686.03	2.81	683.22

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level
GWCT - Groundwater Collection Trench
NA - Not Available/Not Accessible
GWCT is 200 feet long with a 0.01 foot/foot slope to the collection manhole
Locations re-surveyed on February 23, 2016



LEGEND

- MW-13S/D NESTED PIEZOMETER LOCATION
- MW-9 MONITORING WELL LOCATION
- DPE-1 DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
- DPE-6 DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- [674.79] GROUNDWATER SURFACE ELEVATION IN FEET MSL
- 676 ESTIMATED GROUNDWATER SURFACE CONTOUR IN FEET MSL
- GROUND WATER FLOW DIRECTION
- (S) SHALLOW PIEZOMETER/DPE
- (D) DEEP PIEZOMETER/DPE
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY
- [NA] NOT ACCESSIBLE

NOTES

- GROUNDWATER ELEVATIONS FROM THE DEEP PIEZOMETERS PAIR AND DEEP DUAL PHASE EXTRACTION WELLS (i.e. MW-13D, MW-14D, MW-15D, MW-16D, DPE-2, DPE-4, AND DPE-7) WERE USED TO CREATE THE GROUNDWATER SURFACE CONTOURS.
- GROUNDWATER WATER LEVELS WERE COLLECTED ON JANUARY 8, 2018.



FIGURE 5
JANUARY 8, 2018 DEEP OVERBURDEN
GROUNDWATER ELEVATIONS
(WITH DPE DATA)
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



APPENDIX A

Field Forms

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)1/9/2018

Field PersonnelSean P. Connelly

Site NameFormer Scott Aviation Site - Lancaster, NY

Job #60538931

Well ID #MW-2

Upgradient

Downgradient

Weather Conditionscloudy

Air Temperature30 ° F

Total Depth (TWD) Below Top of Casing = 16.4 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 6.63 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = 1.59251 gal

3 Casing Volumes = 4.77753 gal

Method of Well EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Poly Tubing

Total Volume of Water Removed2 gal

Casing Diameter2 inches

Casing MaterialPVC

Measuring Point Elevation690.35 1/100 ft

Height of Riser (above land surface) 1/100 ft

Land Surface Elevation 1/100 ft

Screened Interval (below land surface)7-17 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200						
Time (Military)	11:15						
Depth to Groundwater Below Top of Casing (ft)	10.35						
Drawdown (ft)	0.26						
pH (S.U.)	11.59						
Sp. Cond. (mS/cm)	0.39						
Turbidity (NTUs)	4.52						
Dissolved Oxygen (mg/L)	1.26						
Water Temperature (°C)	10.9						
ORP (mV)	-115.4						

Physical appearance at start

Colorclear

Odor

no

Physical appearance at sampling

Colorclear

Odor

no

Sheen/Free Product

no

Sheen/Free Product

no

COMMENTS/OBSERVATIONS

Sample time at 11:15

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)1/10/2018

Field PersonnelSean P. Connelly

Site NameFormer Scott Aviation Site - Lancaster, NY

Job #60538931

Well ID #MW-3

Upgradient

Downgradient

Weather ConditionsSunny

Air Temperature20

Total Depth (TWD) Below Top of Casing = 281/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 10.121/100 ft

Length of Water Column (LWC) = TWD - DGW = 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = 2.9 gal

3 Casing Volumes = gal

Method of Well EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Poly Tubing

Total Volume of Water Removed2 gal

Casing Diameter2 inches

Casing MaterialPVC

Measuring Point Elevation687.051/100 ft

Height of Riser (above land surface)1.151/100 ft

Land Surface Elevation685.91/100 ft

Screened Interval (below land surface)7.5 - 27.51/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200	
Time (Military)	9:40	9:45	9:50	9:55	10:00	10:05	10:10
Depth to Groundwater Below Top of Casing (ft)	11.25	13.12	13.39	13.47	13.81	14.07	14.31
Drawdown (ft)	1.13	1.87	0.27	0.08	0.34	0.26	0.24
pH (S.U.)	13.96	13.8	13.8	13.86	13.75	13.81	14.02
Sp. Cond. (mS/cm)	0.772	0.745	0.729	0.731	0.739	0.753	0.763
Turbidity (NTUs)	-62.00	-64.00	9.22	5.17	4.63	3.37	3.09
Dissolved Oxygen (mg/L)	2.62	2.21	2.69	2.44	2.08	1.58	1.44
Water Temperature (°C)	9.71	10.45	10.58	10.58	10.57	10.49	10.51
ORP (mV)	-172.4	-148.7	-173.9	-177.8	-180.5	-186.4	-193.8

Physical appearance at start

Colorclear

Odor

no

Physical appearance at sampling

Colorclear

Odor

no

Sheen/Free Product

no

Sheen/Free Product

no

COMMENTS/OBSERVATIONS

Sample time at 10:15

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)10/24/2017

Field PersonnelSean P. Connelly

Site NameFormer Scott Aviation Site - Lancaster, NY

Job #60538931

Well ID #MW-4

Upgradient

Downgradient

Weather ConditionsCloudy

Air Temperature31 ° F

Total Depth (TWD) Below Top of Casing = 26 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 10.45 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = 2.53465 gal

3 Casing Volumes = 7.60395 gal

Method of Well EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Poly Tubing

Total Volume of Water Removed 3 gal

Casing Diameter2 inches

Casing MaterialPVC

Measuring Point Elevation686.5 1/100 ft

Height of Riser (above land surface) -0.39 1/100 ft

Land Surface Elevation686.89 1/100 ft

Screened Interval (below land surface) 15.5 - 25.5 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200	200
Time (Military)	11:40	11:45	11:50	11:55	12:00	12:05	12:15
Depth to Groundwater Below Top of Casing (ft)	11.04	11.54	13.22	15.24	16.12	17.34	19.12
Drawdown (ft)	0.59	0.50	1.68	2.02	0.88	1.22	0.59
pH (S.U.)	9.19	7.35	7.26	7.36	8.41	8.65	8.54
Sp. Cond. (mS/cm)	2.416	2.56	2.615	2.601	2.575	2.54	2.513
Turbidity (NTUs)	80.2	18.2	8.78	8.22	7.59	8.3	8.21
Dissolved Oxygen (mg/L)	6.29	1.8	1.08	1.25	1.12	0.72	0.78
Water Temperature (°C)	11.4	11.95	11.79	11.35	11.18	10.65	10.24
ORP (mV)	-137.7	-69.9	-74.6	-81.6	-88.6	-132.6	-75.6
Physical appearance at start	Color	clear	Physical appearance at sampling	Color	clear		
	Odor	no		Odor	yes,sulfur		
Sheen/Free Product	no		Sheen/Free Product	no			

COMMENTS/OBSERVATIONS

Sample time at 12:25

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)10/24/2017

Field PersonnelSean P. Connelly

Site NameFormer Scott Aviation Site - Lancaster, NY

Job #60538931

Well ID #MW-4

UpgradientDowngradient

Weather ConditionsCloudy

Air Temperature31° F

Total Depth (TWD) Below Top of Casing =261/100 ft

Depth to Groundwater (DGW) Below Top of Casing =10.451/100 ft

Length of Water Column (LWC) = TWD - DGW =1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 =2.53465gal

3 Casing Volumes =7.60395gal

Method of Well EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Poly Tubing

Total Volume of Water Removed3gal

Casing Diameter2inches

Casing MaterialPVC

Measuring Point Elevation686.51/100 ft

Height of Riser (above land surface)-0.391/100 ft

Land Surface Elevation686.891/100 ft

Screened Interval (below land surface)15.5 - 25.51/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200						
Time (Military)	12:20						
Depth to Groundwater Below Top of Casing (ft)	19.83						
Drawdown (ft)							
pH (S.U.)	8.45						
Sp. Cond. (mS/cm)	2.509						
Turbidity (NTUs)	8.11						
Dissolved Oxygen (mg/L)	0.79						
Water Temperature (°C)	10.2						
ORP (mV)	-72.8						
Physical appearance at start	Color	clear	Physical appearance at sampling	Color	clear		
	Odor	no		Odor	yes,sulfur		
Sheen/Free Product	no		Sheen/Free Product	no			

COMMENTS/OBSERVATIONS

Sample time at 12:25



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) 1/8/2018
Field Personnel Sean P. Connelly
Site Name Former Scott Aviation Site - Lancaster, NY
Job # 60538931
Well ID # MW-6
 Upgradient Downgradient
Weather Conditions Cloudy
Air Temperature 31 ° F
Total Depth (TWD) Below Top of Casing = 25 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 8.92 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.6 gal
3 Casing Volumes = 8 gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 2 gal

Casing Diameter 2 inches
Casing Material PVC
Measuring Point Elevation 686.46 1/100 ft
Height of Riser (above land surface) -0.36 1/100 ft
Land Surface Elevation 686.82 1/100 ft
Screened Interval (below land surface) 14.5 - 24.5 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	Dup

FIELD ANALYSES

Flow Rate (ml/min)
Time (Military)
Depth to Groundwater
Below Top of Casing (ft)
Drawdown (ft)
pH (S.U.)
Sp. Cond. (mS/cm)
Turbidity (NTUs)
Dissolved Oxygen (mg/L)
Water Temperature (°C)
ORP (mV)

200	200	200	200	200	200	200	
9:00	9:05	9:10	9:15	9:20	9:25	9:30	
9.82	10.42	11.56	12.19	12.84	13.91	14.64	
0.90	0.60	1.14	0.63	0.65	1.07	0.73	
7.37	7.83	7.52	7.81	7.71	7.68	7.62	
0.636	0.657	0.611	0.618	0.637	0.656	0.63	
21.50	10.90	8.80	5.36	4.98	4.15	3.69	
9.04	3.83	4.52	3.42	2.04	1.93	1.73	
11.25	11.72	11.73	11.72	11.75	11.72	11.69	
-79.5	-118.3	-54.3	-50.5	-30.1	-26.4	-29.8	

Physical appearance at start clear
no
Sheen/Free Product no

Physical appearance at sampling clear
no
Sheen/Free Product no

COMMENTS/OBSERVATIONS Sample time at 9:35
Duplicate taken at this well

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)1/8/2018Field PersonnelSean P. ConnellySite NameFormer Scott Aviation Site - Lancaster, NYJob #60538931Well ID #MW-8RUpgradientDowngradientWeather ConditionsAir TemperatureTotal Depth (TWD) Below Top of Casing = 27.51/100 ftDepth to Groundwater (DGW) Below Top of Casing =1/100 ftLength of Water Column (LWC) = TWD - DGW =1/100 ft1 Casing Volume (OCV) = LWC x 0.617 = gal3 Casing Volumes = galMethod of Well EvacuationPeristaltic PumpMethod of Sample CollectionPeristaltic Pump/Poly TubingTotal Volume of Water Removed gal

Casing Diameter4 inchesCasing MaterialPVCMeasuring Point Elevation686.291/100 ftHeight of Riser (above land surface)-0.291/100 ftLand Surface Elevation686.581/100 ftScreened Interval (below land surface)14 - 241/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	Dup

FIELD ANALYSES

Flow Rate (ml/min)							
Time (Military)							
Depth to Groundwater Below Top of Casing (ft)							
Drawdown (ft)							
pH (S.U.)							
Sp. Cond. (S/cm)							
Turbidity (NTUs)							
Dissolved Oxygen (g/L)							
Water Temperature (°C)							
ORP (mV)							
Physical appearance at start	Color	clear	Physical appearance at sampling	Color	clear		
	Odor	no		Odor	no		
Sheen/Free Product	no		Sheen/Free Product	no			

COMMENTS/OBSERVATIONSSample time at
Couldn't sample- buried under snowbank

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)1/8/2018

Field PersonnelSean P. Connelly

Site NameFormer Scott Aviation Site - Lancaster, NY

Job #60538931

Well ID #MW-10

UpgradientDowngradient

Weather ConditionsSnowing

Air Temperature31°F

Total Depth (TWD) Below Top of Casing =241/100 ft

Depth to Groundwater (DGW) Below Top of Casing =7.051/100 ft

Length of Water Column (LWC) = TWD - DGW =16.951/100 ft

1 Casing Volume (OCV) = LWC x 0.163 =2.8gal

3 Casing Volumes =8gal

Method of Well EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Poly Tubing

Total Volume of Water Removed3gal

Casing Diameter2inches

Casing MaterialPVC

Measuring Point Elevation687.71/100 ft

Height of Riser (above land surface)-0.081/100 ft

Land Surface Elevation687.781/100 ft

Screened Interval (below land surface)3.5 - 23.51/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200	200
Time (Military)	10:20	10:25	10:30	10:35	10:40	10:45	10:55
Depth to Groundwater Below Top of Casing (ft)	7.42	9.65	10.01	10.47	10.81	11.22	11.95
Drawdown (ft)	0.37	2.23	0.36	0.46	0.34	0.41	0.24
pH (S.U.)	7.06	6.87	6.84	6.80	6.88	6.74	6.82
Sp. Cond. (mS/cm)	1.211	1.234	1.245	1.238	1.236	1.236	1.244
Turbidity (NTUs)	4065.0	1417.00	-49.00	-57.00	-50.00	-50.00	-49.00
Dissolved Oxygen (mg/L)	6.26	3.68	1.82	1.33	1.27	0.85	0.7
Water Temperature (°C)	11.53	11.98	12.19	11.98	11.96	11.93	12.05
ORP (mV)	-34.7	-29	2.9	19	17.9	18.1	30.9

Physical appearance at startColorclearOdor no

Sheen/Free Productno

Physical appearance at samplingColorclearOdor no

Sheen/Free Productno

COMMENTS/OBSERVATIONS

Sample time at 11:05

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)1/8/2018

Field PersonnelSean P. Connelly

Site NameFormer Scott Aviation Site - Lancaster, NY

Job #60538931

Well ID #MW-10

Upgradient

Downgradient

Weather ConditionsSnowing

Air Temperature31 ° F

Total Depth (TWD) Below Top of Casing = 24 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 7.05 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = 2.8 gal

3 Casing Volumes = 8 gal

Method of Well EvacuationPeristaltic Pump

Method of Sample CollectionPeristaltic Pump/Poly Tubing

Total Volume of Water Removed3 gal

Casing Diameter2 inches

Casing MaterialPVC

Measuring Point Elevation687.7 1/100 ft

Height of Riser (above land surface)-0.08 1/100 ft

Land Surface Elevation687.78 1/100 ft

Screened Interval (below land surface)3.5 - 23.5 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	200						
Time (Military)	11:00						
Depth to Groundwater Below Top of Casing (ft)	12.21						
Drawdown (ft)	0.26						
pH (S.U.)	6.84						
Sp. Cond. (mS/cm)	1.264						
Turbidity (NTUs)	-22.0						
Dissolved Oxygen (mg/L)	0.69						
Water Temperature (°C)	12.09						
ORP (mV)	30.7						

Physical appearance at start

Colorclear

Odor

no

Physical appearance at sampling

Colorclear

Odor

no

Sheen/Free Product

no

Sheen/Free Product

no

COMMENTS/OBSERVATIONS

Sample time at 11:05



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) 1/8/2018

Field Personnel Sean P. Connelly

Site Name Former Scott Aviation Site - Lancaster, NY

Job # 60538931

Well ID # MW-11

☐ Upgradient ☐ Downgradient

Weather Conditions Cloudy

Air Temperature 25

Total Depth (TWD) Below Top of Casing = 28.5 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 11.79 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 16.71 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = 2.7 gal

3 Casing Volumes = 8 gal

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 1.5 gal

Casing Diameter 2 inches

Casing Material PVC

Measuring Point Elevation 688.61 1/100 ft

Height of Riser (above land surface) -0.26 1/100 ft

Land Surface Elevation 688.87 1/100 ft

Screened Interval (below land surface) 8.5 - 28.5 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)

Time (Military)

Depth to Groundwater Below Top of Casing (ft)

Drawdown (ft)

pH (S.U.)

Sp. Cond. (mS/cm)

Turbidity (NTUs)

Dissolved Oxygen (mg/L)

Water Temperature (°C)

ORP (mV)

200	200	200	200	200	200	200	200
14:50	14:55	15:00	15:05	15:10	15:15	15:20	15:25
12.23	12.55	12.78	12.91	13.00	13.09	13.12	13.15
0.44	0.32	0.23	0.13	0.09	0.09	0.03	0.03
8.93	9.42	8.65	7.97	7.96	7.09	7.05	7.22
2.505	2.42	2.030	2.248	2.26	2.38	2.405	2.415
10.99	5.77	2.9	4.55	4.11	2.57	1.57	1.25
3.18	1.33	1.46	1.59	1.59	1.97	1.63	1.84
12.31	12.59	12.4	12.36	12.36	12.29	12.26	12.18
-127.7	-128.0	-117.5	-104.2	-101.9	-80.8	-72.8	-66

Physical appearance at start Color clear

Odor no

Sheen/Free Product no

Physical appearance at sampling Color clear

Odor no

Sheen/Free Product no

COMMENTS/OBSERVATIONS Sample time at 15:30

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) _____				Casing Diameter _____ 4 _____ inches			
Field Personnel _____ Sean P. Connelly _____				Casing Material _____ PVC _____			
Site Name _____ Former Scott Aviation Site - Lancaster, NY _____				Measuring Point Elevation _____ 686.19 _____ 1/100 ft			
Job # _____ 60538931 _____				Height of Riser (above land surface) _____ -0.36 _____ 1/100 ft			
Well ID # _____ MW-12 _____				Land Surface Elevation _____ 686.55 _____ 1/100 ft			
_____ Upgradient _____ Downgradient				Screened Interval (below land surface) _____ 7 - 27 _____ 1/100 ft			
Weather Conditions _____							
Air Temperature _____							
Total Depth (TWD) Below Top of Casing = _____ 27.5 _____ 1/100 ft							
Depth to Groundwater (DGW) Below Top of Casing = _____ 1/100 ft							
Length of Water Column (LWC) = TWD - DGW = _____ 1/100 ft							
1 Casing Volume (OCV) = LWC x _____ 0.617 _____ = _____ gal							
3 Casing Volumes = _____ gal							
Method of Well Evacuation _____ Peristaltic Pump _____							
Method of Sample Collection _____ Peristaltic Pump/Teflon Tubing _____							
Total Volume of Water Removed _____ gal							
FIELD ANALYSES							
VOLUME PURGED (ml)							
TIME (Military)							
Depth to Groundwater							
Below Top of Casing (ft)							
Drawdown (ft)							
pH (S.U.)							
Sp. Cond. (mS/cm)							
Turbidity (NTUs)							
Dissolved Oxygen (mg/L)							
Water Temperature (°C)							
ORP (mV)							
Physical appearance at start		Color	clear	Physical appearance at sampling		Color	clear
		Odor	no			Odor	no
Sheen/Free Product		no		Sheen/Free Product		no	
COMMENTS/OBSERVATIONS _____ Sample time at _____							
_____ Couldn't sample, buried by snow _____							

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	1/9/2018		Casing Diameter	1		inches
Field Personnel	Sean P. Connelly		Casing Material	PVC		
Site Name	Former Scott Aviation Site - Lancaster, NY		Measuring Point Elevation	685.74		1/100 ft
Job #	60538931		Height of Riser (above land surface)	-0.50		1/100 ft
Well ID #	MW-13S		Land Surface Elevation	686.24		1/100 ft
	Upgradient	Downgradient	Screened Interval (below land surface)	8.5-16.5		1/100 ft
Weather Conditions	Cloudy, slight breeze					
Air Temperature	20 ° F					
Total Depth (TWD) Below Top of Casing =	16.0	1/100 ft				
Depth to Groundwater (DGW) Below Top of Casing =	4.73	1/100 ft				
Length of Water Column (LWC) = TWD - DGW =	11.3	1/100 ft				
1 Casing Volume (OCV) = LWC x	0.154	=	1.73558	gal		
3 Casing Volumes =	5.20674		gal			
Method of Well Evacuation	Peristaltic Pump					
Method of Sample Collection	Peristaltic Pump/Poly Tubing					
Total Volume of Water Removed	3		gal			

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	

FIELD ANALYSES							
Flow Rate (ml/min)	200	200	200	200	200	200	
Time (Military)	14:50	14:55	15:00	15:05	15:10	15:15	15:20
Depth to Groundwater Below Top of Casing (ft)	8.12	9.18	9.52	10.15	10.78	11.23	11.75
Drawdown (ft)	3.39	1.06	0.34	0.63	0.63	0.45	0.52
pH (S.U.)	12.05	11.67	11.57	11.50	11.42	11.42	11.45
Sp. Cond. (mS/cm)	0.828	0.847	0.858	0.87	0.88	0.88	0.883
Turbidity (NTUs)	-23	36.7	24.4	11.7	21	21.7	19.6
Dissolved Oxygen (mg/L)	2.96	3.02	2.41	1.76	1.32	1.14	1.26
Water Temperature (°C)	8.32	9.15	9.61	9.88	10.08	10.14	10.04
ORP (mV)	-130.2	-112.7	-118.8	-105.4	-106.1	-105.3	-108.3

Physical appearance at start	Color	clear	Physical appearance at sampling	Color	clear
	Odor	yes		Odor	yes
Sheen/Free Product	no		Sheen/Free Product	no	

COMMENTS/OBSERVATIONS	Sample time at 15:25

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	1/9/2018		Casing Diameter	1		inches
Field Personnel	Sean P. Connelly		Casing Material	PVC		
Site Name	Former Scott Aviation Site - Lancaster, NY		Measuring Point Elevation	685.88		1/100 ft
Job #	60538931		Height of Riser (above land surface)	-0.36		1/100 ft
Well ID #	MW-13D		Land Surface Elevation	686.24		1/100 ft
	Upgradient	Downgradient	Screened Interval (below land surface)	19.5-23.5		1/100 ft
Weather Conditions	Cloudy, slight breeze					
Air Temperature	20 ° F					
Total Depth (TWD) Below Top of Casing =	23.5	1/100 ft				
Depth to Groundwater (DGW) Below Top of Casing =	9.12	1/100 ft				
Length of Water Column (LWC) = TWD - DGW =	14.38	1/100 ft				
1 Casing Volume (OCV) = LWC x	0.154	=	2.21452	gal		
3 Casing Volumes =	6.64356		gal			
Method of Well Evacuation	Peristaltic Pump					
Method of Sample Collection	Peristaltic Pump/Poly Tubing					
Total Volume of Water Removed	3		gal			

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	

FIELD ANALYSES							
Flow Rate (ml/min)	200	200	200	200	200	200	
Time (Military)	13:45	13:50	13:55	14:00	14:05	14:10	
Depth to Groundwater Below Top of Casing (ft)	11.52	12.09	14.52	NA	NA	NA	
Drawdown (ft)	2.40	0.57	2.43	NA	NA	NA	
pH (S.U.)	10.43	10.52	11.31	11.32	11.42	11.21	
Sp. Cond. (mS/cm)	0.975	0.977	0.992	0.978	0.976	1.014	
Turbidity (NTUs)	-31	-64	8.59	7.22	9.37	5.04	
Dissolved Oxygen (mg/L)	1.59	1.32	0.52	0.62	0.67	0.64	
Water Temperature (°C)	8.26	8.43	8.94	8.97	8.95	8.93	
ORP (mV)	-139.2	-145.6	-169.7	-151.4	-149	-140.3	

Physical appearance at start	Color	clear	Physical appearance at sampling	Color	clear
	Odor	yes		Odor	yes
Sheen/Free Product	no		Sheen/Free Product	no	

COMMENTS/OBSERVATIONS	Sample time at 14:10
	After 14:05, couldn't get water level indicator any further down the well.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) <u>1/9/2018</u>		Casing Diameter <u>1</u> inches	
Field Personnel <u>Sean P. Connelly</u>		Casing Material <u>PVC</u>	
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>688.15</u> 1/100 ft	
Job # <u>60538931</u>		Height of Riser (above land surface) <u>2.46</u> 1/100 ft	
Well ID # <u>MW-16S</u>		Land Surface Elevation <u>685.69</u> 1/100 ft	
<u> </u> Upgradient <u> </u> Downgradient		Screened Interval (below land surface) <u>12 - 18</u> 1/100 ft	
Weather Conditions <u>Cloudy</u>			
Air Temperature <u>25</u> ° F			
Total Depth (TWD) Below Top of Casing = <u>15.4</u> 1/100 ft			
Depth to Groundwater (DGW) Below Top of Casing = <u>6.29</u> 1/100 ft			
Length of Water Column (LWC) = TWD - DGW = <u>9.11</u> 1/100 ft			
1 Casing Volume (OCV) = LWC x <u>0.154</u> = <u>1.4</u> gal			
3 Casing Volumes = <u>4</u> gal			
Method of Well Evacuation <u>Peristaltic Pump</u>			
Method of Sample Collection <u>Peristaltic Pump/Poly Tubing</u>			
Total Volume of Water Removed <u>2</u> gal			

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	

FIELD ANALYSES							
Flow Rate (ml/min)	<u>200</u>	<u>200</u>	<u>200</u>				
Time (Military)	<u>13:15</u>	<u>13:20</u>	<u>13:25</u>				
Depth to Groundwater Below Top of Casing (ft)	<u>NA</u>	<u>NA</u>	<u>NA</u>				
Drawdown (ft)	<u>NA</u>	<u>NA</u>	<u>NA</u>				
pH (S.U.)	<u>10.84</u>	<u>10.83</u>	<u>10.82</u>				
Sp. Cond. (mS/cm)	<u>1.43</u>	<u>1.52</u>	<u>1.521</u>				
Turbidity (NTUs)	<u>5.04</u>	<u>6.21</u>	<u>NA</u>				
Dissolved Oxygen (mg/L)	<u>6.61</u>	<u>0.54</u>	<u>0.51</u>				
Water Temperature (°C)	<u>8.78</u>	<u>8.86</u>	<u>8.82</u>				
ORP (mV)	<u>-98.3</u>	<u>-94.5</u>	<u>-95.6</u>				
Physical appearance at start	Color <u>clear</u>	Physical appearance at sampling	Color <u>clear</u>				
	Odor <u>yes</u>		Odor <u>yes</u>				
Sheen/Free Product <u>no</u>		Sheen/Free Product <u>no</u>					

COMMENTS/OBSERVATIONS <u>Sample time at 13:25</u>
<u>Couldn't fit water level indicator into well. Began seeing large drags around 13:25, began sampling</u>

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) <u>1/8/2018</u>		Casing Diameter <u>1</u> inches	
Field Personnel <u>Sean P. Connelly</u>		Casing Material <u>PVC</u>	
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>688.16</u> 1/100 ft	
Job # <u>60538931</u>		Height of Riser (above land surface) <u>2.47</u> 1/100 ft	
Well ID # <u>MW-16D</u>		Land Surface Elevation <u>685.69</u> 1/100 ft	
<u> </u> Upgradient <u> </u> Downgradient		Screened Interval (below land surface) <u>20-24</u> 1/100 ft	
Weather Conditions <u>Cloudy</u>			
Air Temperature <u>27</u> ° F			
Total Depth (TWD) Below Top of Casing = <u>24</u> 1/100 ft			
Depth to Groundwater (DGW) Below Top of Casing = <u>13.28</u> 1/100 ft			
Length of Water Column (LWC) = TWD - DGW = <u>10.72</u> 1/100 ft			
1 Casing Volume (OCV) = LWC x <u>0.154</u> = <u>1.65088</u> gal			
3 Casing Volumes = <u>4.95264</u> gal			
Method of Well Evacuation <u>Peristaltic Pump</u>			
Method of Sample Collection <u>Peristaltic Pump/Poly Tubing</u>			
Total Volume of Water Removed <u>2.5</u> gal			

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	

FIELD ANALYSES							
Flow Rate (ml/min)	200	200	200	200	200	200	
Time (Military)	12:10	12:15	12:20	12:25	12:30	12:35	
Depth to Groundwater							
Below Top of Casing (ft)	NA	NA	NA	NA	NA	NA	
Drawdown (ft)	NA	NA	NA	NA	NA	NA	
pH (S.U.)	10.77	10.92	10.88	10.97	10.86	10.86	
Sp. Cond. (mS/cm)	0.837	0.86	0.87	0.875	0.875	0.874	
Turbidity (NTUs)	-64.00	5.26	5.32	4.65	4.58	4.61	
Dissolved Oxygen (g/L)	4.36	0.59	0.45	0.41	0.4	0.39	
Water Temperature (°C)	9.25	10.42	10.59	10.67	10.63	10.7	
ORP (mV)	-58	-110.9	-122.4	-122.5	-123.4	-124	
Physical appearance at start	Color	<u>clear</u>	Physical appearance at sampling	Color	<u>clear</u>		
	Odor	<u>no</u>		Odor	<u>no</u>		
Sheen/Free Product	<u>no</u>		Sheen/Free Product	<u>no</u>			

COMMENTS/OBSERVATIONS <u>Sample time at 12:35</u>
<u>Couldn't fit water level indicator into well.</u>



APPENDIX B

Summary of Groundwater Elevations

MONITORING WELL MW-2
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	7.29	683.06
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	5.92	684.43
4/14/2005	6.50	683.85
7/20/2005	7.77	682.58
10/4/2005	6.08	684.27
1/5/2006	9.56	680.79
4/11/2006	6.65	683.70
7/10/2006	7.79	682.56
10/18/2006	6.11	684.24
1/9/2007	6.27	684.08
2/28/2007	5.20	685.15
4/16/2007	5.99	684.36
7/2/2007	7.22	683.13
10/15/2007	8.15	682.20
1/8/2008	5.73	684.62
4/2/2008	5.95	684.40
7/1/2008	4.90	685.45
9/30/2008	7.40	682.95
1/19/2009	6.75	683.60
4/14/2009	6.15	684.20
7/21/2009	6.25	684.10
10/14/2009	5.85	684.50
1/18/2010	7.00	683.35
4/8/2010	5.45	684.90
7/12/2010	6.10	684.25
10/11/2010	7.00	683.35
1/11/2011	6.80	683.55
4/4/2011	5.70	684.65
7/25/2011	4.75	685.60
10/3/2011	4.13	686.22
1/12/2012	6.40	683.95
4/2/2012	6.00	684.35
7/5/2012	6.47	683.88
10/11/2012	7.17	683.18
1/21/2013	6.72	683.63
4/1/2013	6.10	684.25
7/1/2013	6.84	683.51
10/9/2013	6.70	683.65
1/21/2014	6.00	684.35
4/7/2014	4.95	685.40
7/16/2014	6.72	683.63
10/14/2014	6.79	683.56
1/20/2015	7.12	683.23
4/6/2015	5.74	684.61
7/22/2015	6.19	684.16
10/19/2015	5.79	684.56
1/5/2016	6.41	683.94
4/4/2016	5.68	681.42
7/5/2016	5.56	683.12
10/24/2016	5.56	683.12
1/16/2017	6.21	682.47
4/18/2017	6.06	682.47
7/11/2017	6.92	681.76
10/23/2017	6.59	682.09
1/8/2018	6.61	680.39

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 690.35

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

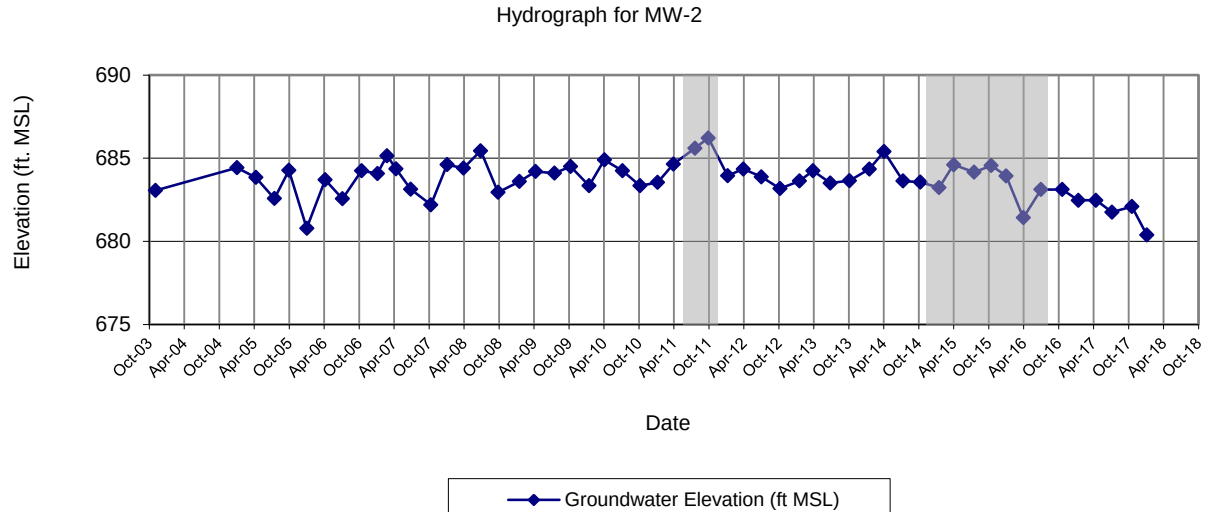
DPE off line for repairs in October 2013.

TOC Elevation re-measured June 13, 2008 at 687.1.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-2
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-3
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	12.76	674.96
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	11.65	676.07
4/14/2005	12.64	675.08
7/20/2005	12.73	674.99
10/4/2005	7.38	680.34
1/5/2006	11.31	676.41
4/11/2006	11.84	675.88
7/10/2006	12.31	675.41
10/18/2006	10.82	676.9
1/9/2007	10.99	676.73
2/28/2007	3.99	683.73
4/16/2007	11.87	675.85
7/2/2007	13.35	674.37
10/17/2007	13.1	674.62
1/8/2008	7.61	680.11
4/2/2008	11.71	676.01
7/1/2008	10.75	676.27
9/30/2008	11.95	675.07
1/19/2009	10.94	676.08
4/14/2009	10.94	676.08
7/21/2009	11.51	675.51
10/14/2009	10.75	676.27
1/18/2010	12.38	674.64
4/8/2010	11.02	676.00
7/12/2010	9.18	677.84
10/11/2010	10.9	676.12
1/12/2011	11.3	675.72
4/4/2011	10.7	676.32
7/25/2011	4.38	682.64
10/3/2011	3.14	683.88
1/12/2012	10.65	676.37
4/2/2012	9.81	677.21
7/5/2012	8.56	678.46
10/11/2012	9.77	677.25
1/21/2013	11.15	675.87
4/1/2013	8.56	678.46
7/1/2013	11.85	675.17
10/9/2013	10.43	676.59
1/21/2014	10.45	676.57
4/7/2014	11.77	675.25
7/16/2014	10.29	676.73
10/14/2014	9.65	677.37
1/20/2015	10.15	676.87
4/6/2015	8.94	678.08
7/22/2015	7.98	679.04
10/19/2015	5.15	681.87
1/5/2016	9.01	678.01
4/4/2016	8.00	679.05
7/5/2016	5.86	681.19
10/24/2016	5.86	681.19
1/16/2017	10.58	676.47
4/18/2017	12.29	676.47
7/11/2017	12.65	674.40
10/23/2017	11.80	675.25
1/8/2018	10.12	676.93

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 687.72

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

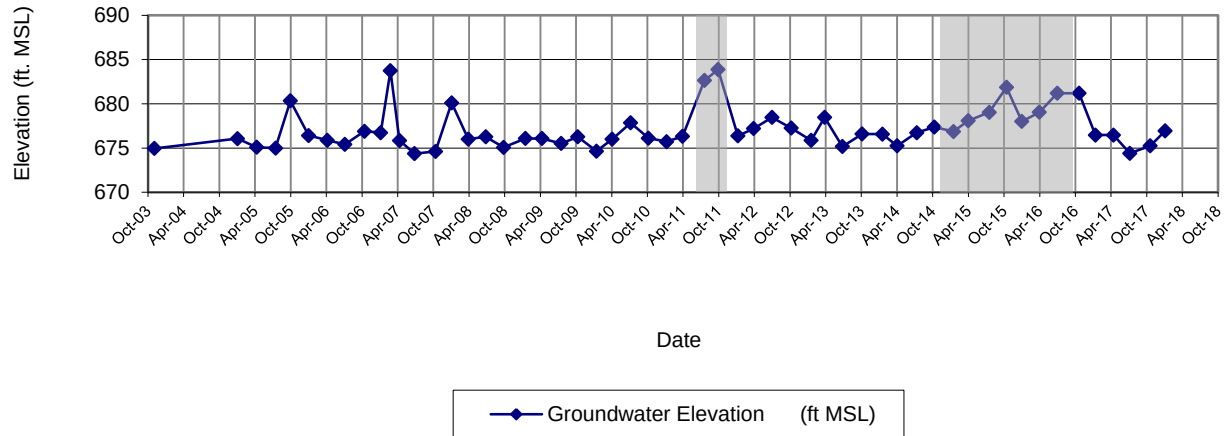
TOC Elevation re-measured June 13, 2008 at 687.02

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-3
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Hydrograph for MW-3



MONITORING WELL MW-4
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	8.54	678.10
4/8/2004	NM	NA
10/12/2004	11.40	675.24
1/6/2005	9.20	677.44
4/14/2005	NM	NA
7/20/2005	NM	NA
10/4/2005	15.24	671.40
1/5/2006	15.71	670.93
4/11/2006	18.56	668.08
7/10/2006	15.02	671.62
10/18/2006	15.21	671.43
1/9/2007	14.00	672.64
2/28/2007	2.54	684.10
4/16/2007	12.45	674.19
7/2/2007	14.89	671.75
10/17/2007	12.91	673.73
1/8/2008	5.59	681.05
4/2/2008	9.31	677.33
7/1/2008	13.91	672.51
9/30/2008	13.55	672.87
1/19/2009	10.78	675.64
4/14/2009	8.90	677.52
7/21/2009	12.35	674.07
10/14/2009	10.40	676.02
1/18/2010	8.90	677.52
4/8/2010	10.90	675.52
7/12/2010	14.00	672.42
10/11/2010	16.69	669.73
1/12/2011	16.35	670.07
4/4/2011	17.67	668.75
7/25/2011	2.32	684.10
10/3/2011	2.98	683.44
1/12/2012	13.26	673.16
4/2/2012	13.10	673.32
7/6/2012	9.66	676.76
10/11/2012	18.60	667.82
1/21/2013	17.04	669.38
4/1/2013	18.65	667.77
7/1/2013	19.10	667.32
10/9/2013	10.10	676.32
1/21/2014	NM	NA
4/7/2014	18.85	667.57
7/16/2014	10.74	675.68
10/14/2014	8.52	677.90
1/20/2015	10.95	675.47
4/6/2015	9.05	677.37
7/22/2015	7.55	678.87
10/19/2015	4.59	681.83
1/5/2016	9.92	676.50
4/4/2016	8.20	678.30
7/5/2016	4.94	681.56
10/24/2016	4.94	681.56
1/16/2017	10.80	675.70
4/18/2017	11.92	675.70
7/11/2017	11.30	675.20
10/23/2017	13.06	673.44
1/8/2018	10.45	676.05

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.64

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

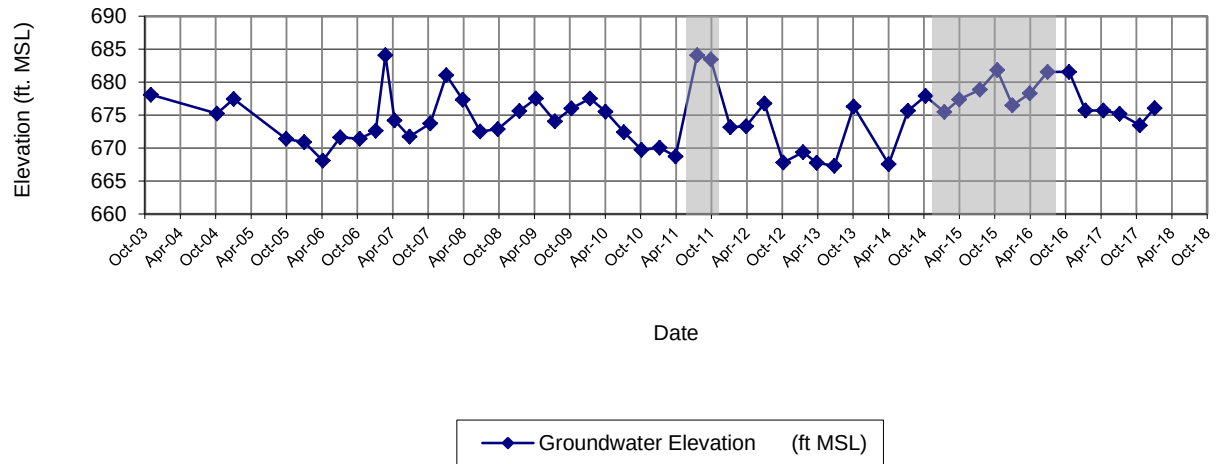
TOC Elevation re-measured on June 13, 2008 at 686.42.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-4
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Hydrograph for MW-4



MONITORING WELL MW-6
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	11.06	675.62
4/8/2004	NM	NA
10/12/2004	9.95	676.73
1/6/2005	13.00	673.68
4/14/2005	11.57	675.11
7/20/2005	12.88	673.80
10/4/2005	8.55	678.13
1/5/2006	12.11	674.57
4/11/2006	11.91	674.77
7/10/2006	12.5	674.18
10/18/2006	11.02	675.66
1/9/2007	11.1	675.58
2/28/2007	4.35	682.33
4/16/2007	11.81	674.87
7/2/2007	12.85	673.83
10/17/2007	13.09	673.59
1/8/2008	7.02	679.66
4/2/2008	11.00	675.68
7/1/2008	10.98	675.55
9/30/2008	11.39	675.14
1/19/2009	9.68	676.85
4/14/2009	10.02	676.51
7/21/2009	11.50	675.03
10/14/2009	10.35	676.18
1/18/2010	11.20	675.33
4/8/2010	10.05	676.48
7/12/2010	9.25	677.28
10/11/2010	9.91	676.62
1/12/2011	10.56	675.97
4/4/2011	10.27	676.26
7/25/2011	4.17	682.36
10/3/2011	3.45	683.08
1/12/2012	9.86	676.67
4/2/2012	9.39	677.14
7/5/2012	7.64	678.89
10/11/2012	10.80	675.73
1/21/2013	10.12	676.41
4/1/2013	8.41	678.12
7/1/2013	11.18	675.35
10/9/2013	9.32	677.21
1/21/2014	9.95	676.58
4/7/2014	10.75	675.78
7/16/2014	9.61	676.92
10/14/2014	8.60	677.93
1/20/2015	9.20	677.33
4/6/2015	8.08	678.45
7/22/2015	7.28	679.25
10/19/2015	4.82	681.71
1/5/2016	8.41	678.12
4/4/2016	6.98	679.48
7/5/2016	5.73	680.73
10/24/2016	5.73	680.73
1/16/2017	8.96	677.50
4/18/2017	8.34	678.12
7/11/2017	9.29	677.17
10/23/2017	9.35	677.11
1/8/2018	8.92	677.54

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.68

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

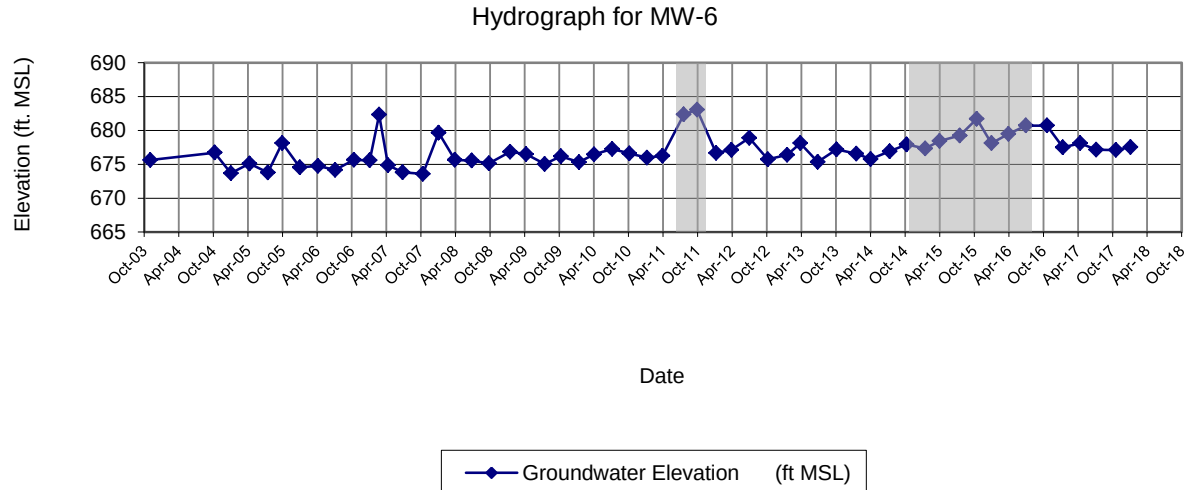
DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 686.53.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-6
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-8R
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	NA
10/12/2004	12.75	672.92
1/6/2005	7.45	678.22
4/14/2005	14.45	671.22
7/20/2005	NM	NA
10/4/2005	NM	NA
1/6/2006	15.51	670.16
4/11/2006	15.65	670.02
7/10/2006	14.9	670.77
10/18/2006	15.72	669.95
1/9/2007	15.76	669.91
2/28/2007	10.78	674.89
4/16/2007	15.60	670.07
7/2/2007	16.29	669.38
10/15/2007	18.50	667.17
1/8/2008	4.99	680.68
4/2/2008	13.19	672.48
7/1/2008	12.15	674.06
9/30/2008	15.83	670.38
1/19/2009	11.55	674.66
4/14/2009	11.20	675.01
7/21/2009	13.57	672.64
10/14/2009	12.76	673.45
1/18/2010	11.26	674.95
4/8/2010	14.95	671.26
7/12/2010	13.74	672.47
10/11/2010	12.34	673.87
1/12/2011	13.10	673.11
4/4/2011	14.88	671.33
7/25/2011	3.25	682.96
10/3/2011	4.50	681.71
1/12/2012	12.96	673.25
4/2/2012	11.70	674.51
7/5/2012	10.34	675.87
10/11/2012	13.38	672.83
1/21/2013	14.90	671.31
4/1/2013	10.82	675.39
7/1/2013	12.70	673.51
10/9/2013	9.25	676.96
1/21/2014	NM	NA
4/7/2014	14.55	671.66
7/16/2014	8.97	677.24
10/14/2014	5.85	680.36
1/20/2015	9.80	676.41
4/6/2015	7.55	678.66
7/22/2015	8.22	677.99
10/19/2015	4.90	681.31
1/5/2016	8.95	677.26
4/4/2016	8.10	678.19
7/5/2016	4.99	681.30
10/24/2016	4.99	681.30
1/16/2017	10.35	675.94
4/18/2017	13.68	675.94
7/11/2017	11.60	674.69
10/23/2017	12.06	674.23
1/8/2018	NM	

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.67

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

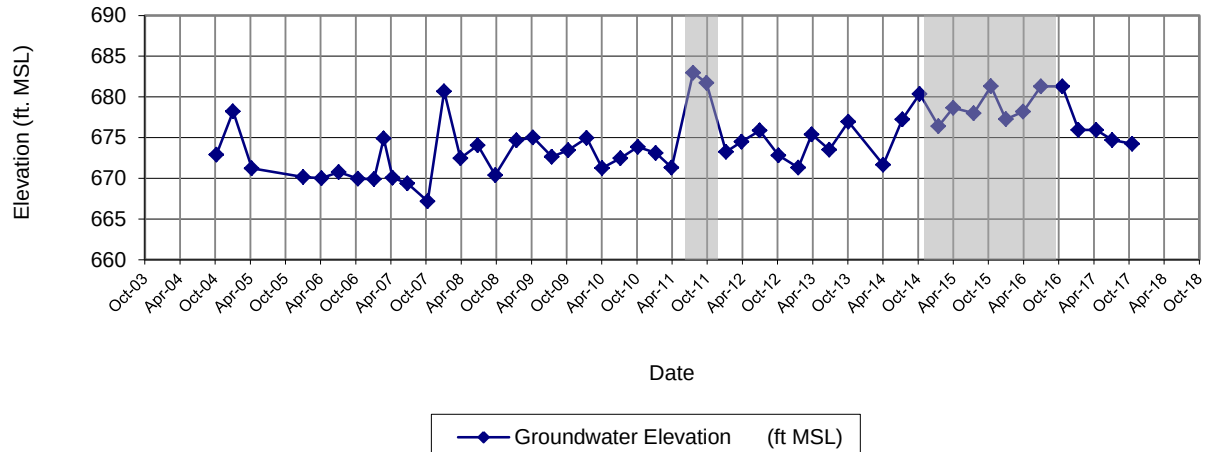
TOC Elevation re-measured on June 13, 2008 at 686.21.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-8R
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Hydrograph for MW-8R



MONITORING WELL MW-9
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	13.03	672.4
4/8/2004	NM	NA
10/12/2004	13.68	671.75
1/6/2005	12.89	672.54
4/14/2005	12.74	672.69
7/20/2005	13.88	671.55
10/4/2005	7.22	678.21
1/5/2006	12.79	672.64
4/11/2006	13.50	671.93
7/10/2006	13.24	672.19
10/18/2006	11.00	674.43
1/9/2007	12.24	673.19
2/28/2007	1.66	683.77
4/16/2007	13.15	672.28
7/2/2007	13.00	672.43
10/17/2007	13.95	671.48
1/8/2008	6.70	678.73
4/2/2008	10.61	674.82
7/1/2008	14.25	674.39
9/30/2008	15.67	672.97
1/19/2009	14.48	674.16
4/14/2009	15.48	673.16
7/21/2009	15.20	673.44
10/10/2009	15.06	673.58
1/18/2010	17.00	671.64
4/8/2010	15.40	673.24
7/12/2010	12.42	676.22
10/11/2010	14.21	674.43
1/12/2011	15.29	673.35
4/4/2011	14.55	674.09
7/25/2011	5.75	682.89
10/3/2011	4.58	684.06
1/12/2012	14.75	673.89
4/2/2012	14.52	674.12
7/5/2012	11.48	677.16
10/11/2012	12.66	675.98
1/21/2013	14.44	674.20
4/1/2013	11.87	676.77
7/1/2013	16.54	672.10
10/9/2013	13.68	674.96
1/21/2014	15.38	673.26
4/7/2014	16.30	672.34
7/16/2014	13.71	674.93
10/14/2014	13.09	675.55
1/20/2015	13.92	674.72
4/6/2015	12.41	676.23
7/22/2015	10.72	677.92
10/19/2015	7.06	681.58
1/5/2016	12.09	676.55
4/4/2016	11.38	678.19
7/5/2016	7.41	682.16
10/24/2016	7.41	682.16
1/16/2017	13.72	675.85
4/18/2017	14.24	675.85
7/11/2017	15.00	674.57
10/23/2017	14.84	674.73
1/8/2018	13.04	676.53

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.43

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

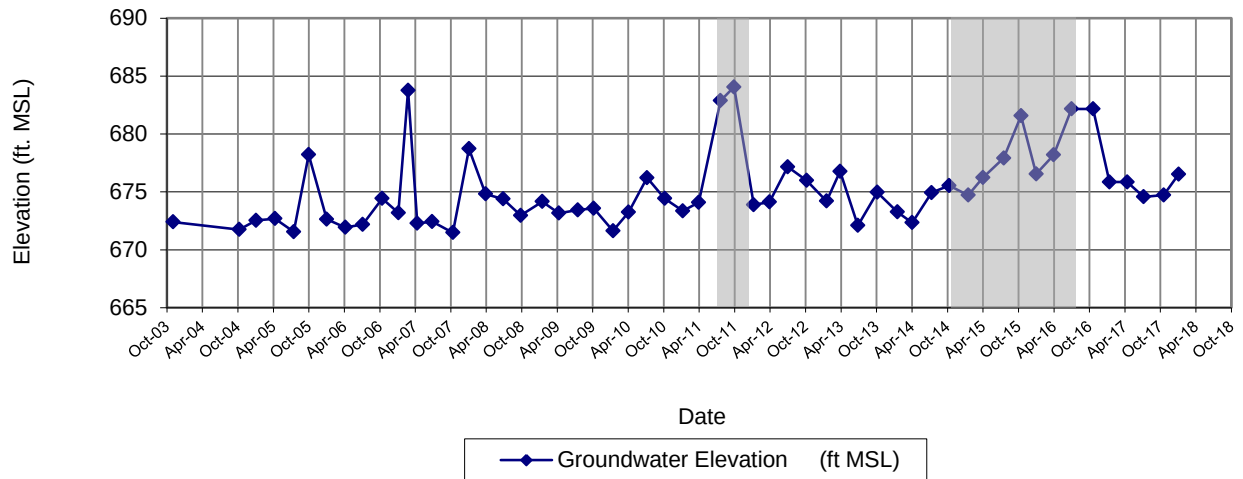
TOC Elevation re-measured on June 13, 2008 at 688.64.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phase of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-9
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Hydrograph for MW-9



MONITORING WELL MW-10
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	10.75	676.97
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	10.28	677.44
4/14/2005	11.50	676.22
7/20/2005	12.43	675.29
10/4/2005	9.58	678.14
1/5/2006	11.28	676.44
4/11/2006	10.91	676.81
7/10/2006	10.90	676.82
10/18/2006	10.13	677.59
1/9/2007	10.21	677.51
2/28/2007	4.30	683.42
4/16/2007	10.93	676.79
7/2/2007	12.21	675.51
10/17/2007	13.15	674.57
1/8/2008	7.03	680.69
4/2/2008	9.91	677.81
7/1/2008	10.04	677.37
9/30/2008	11.05	676.36
1/19/2009	9.74	677.67
4/14/2009	9.14	678.27
7/21/2009	10.56	676.85
10/14/2009	9.37	678.04
1/18/2010	10.59	676.82
4/8/2010	9.35	678.06
7/12/2010	9.12	678.29
10/11/2010	10.20	677.21
1/12/2011	10.00	677.41
4/4/2011	9.61	677.80
7/25/2011	4.45	682.96
10/3/2011	4.25	683.16
1/12/2012	9.82	677.59
4/2/2012	8.51	678.90
7/5/2012	7.55	679.86
10/11/2012	10.65	676.76
1/21/2013	9.59	677.82
4/1/2013	8.30	679.11
7/1/2013	9.77	677.64
10/9/2013	8.65	678.76
1/21/2014	8.73	678.68
4/7/2014	9.25	678.16
7/16/2014	8.65	678.76
10/14/2014	8.02	679.39
1/20/2015	8.50	678.91
4/6/2015	7.40	680.01
7/22/2015	6.84	680.57
10/19/2015	5.40	682.01
1/5/2016	7.89	679.52
4/4/2016	6.67	681.03
7/5/2016	5.77	681.93
10/24/2016	5.77	681.93
1/16/2017	8.13	679.57
4/18/2017	7.54	679.57
7/11/2017	8.69	679.01
10/23/2017	8.61	679.09
1/8/2018	7.05	680.65

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 687.72

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

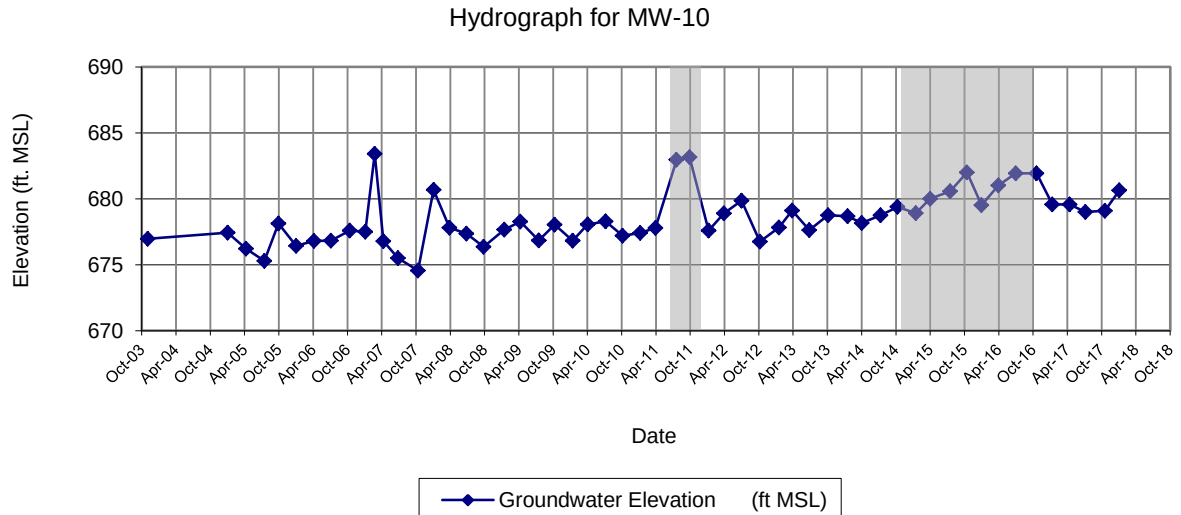
DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 687.41.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phase of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-10
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-11
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	15.59	673.02
4/14/2005	11.59	677.02
7/20/2005	17.34	671.27
10/4/2005	10.45	678.16
1/5/2006	16.58	672.03
4/11/2006	13.52	675.09
7/10/2006	13.75	674.86
10/18/2006	14.35	674.26
1/9/2007	15.26	673.35
2/28/2007	6.34	682.27
4/16/2007	11.55	677.06
7/2/2007	17.30	671.31
10/16/2007	17.69	670.92
1/8/2008	11.73	676.88
4/2/2008	14.78	673.83
7/1/2008	13.91	674.74
9/30/2008	15.25	673.40
1/19/2009	13.45	675.20
4/14/2009	13.50	675.15
7/21/2009	14.51	674.14
10/14/2009	13.85	674.80
1/18/2010	16.38	672.27
4/8/2010	13.90	674.75
7/12/2010	12.60	676.05
10/11/2010	14.80	673.85
1/12/2011	NM	
4/4/2011	14.52	674.13
7/25/2011	4.48	684.17
10/3/2011	4.05	684.60
1/12/2012	8.96	679.69
4/2/2012	12.87	675.78
7/5/2012	10.53	678.12
10/11/2012	14.40	674.25
1/21/2013	14.75	673.90
4/1/2013	11.66	676.99
7/1/2013	14.99	673.66
10/9/2013	12.25	676.40
1/21/2014	13.75	674.90
4/7/2014	14.56	674.09
7/16/2014	12.64	676.01
10/14/2014	12.26	676.39
1/20/2015	12.31	676.34
4/6/2015	11.95	676.70
7/22/2015	8.49	680.16
10/19/2015	8.75	679.90
1/5/2016	12.53	676.12
4/4/2016	10.84	677.77
7/5/2016	9.37	679.24
10/24/2016	9.37	679.24
1/16/2017	9.60	679.01
4/18/2017	11.98	679.01
7/11/2017	13.75	674.86
10/23/2017	12.83	675.78
1/8/2018	11.79	676.82

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 688.61

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

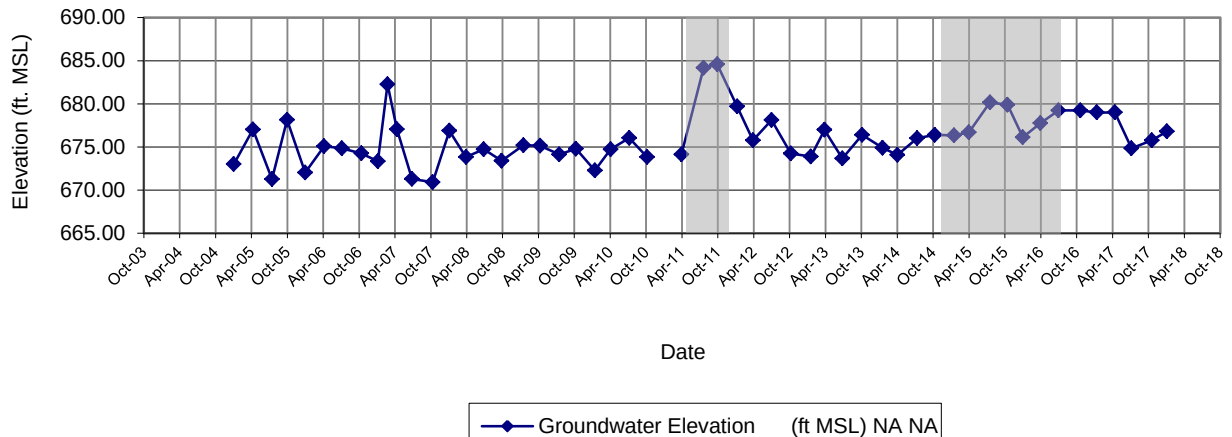
TOC Elevation re-measured on June 13, 2008 at 688.65.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-11
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Hydrograph for MW-11



MONITORING WELL MW-12
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	NA
10/12/2004	10.64	675.15
1/6/2005	6.18	679.61
4/14/2005	6.80	678.99
7/20/2005	11.95	673.84
10/4/2005	7.36	678.43
1/5/2006	6.80	678.99
4/11/2006	6.76	679.03
7/10/2006	11.35	674.44
10/18/2006	NM	NA
1/9/2007	6.35	679.44
2/28/2007	NM	NA
4/16/2007	7.38	678.41
7/2/2007	11.42	674.37
10/15/2007	12.00	673.79
1/8/2008	4.31	681.48
4/2/2008	5.86	679.93
7/1/2008	7.10	679.04
9/30/2008	10.92	675.22
1/19/2009	NM	NA
4/14/2009	7.14	679
7/21/2009	9.66	676.48
10/14/2009	8.83	677.31
1/18/2010	7.40	678.74
4/8/2010	7.10	679.04
7/12/2010	8.48	677.66
10/11/2010	8.64	677.51
1/12/2011	6.32	679.83
4/4/2011	5.69	680.46
7/25/2011	3.5	682.65
10/3/2011	2.67	683.48
1/12/2012	5.41	680.74
4/2/2012	5.30	680.85
7/5/2012	7.20	678.95
10/11/2012	6.75	679.40
1/21/2013	5.51	680.64
4/1/2013	5.07	681.08
7/1/2013	7.88	678.27
10/9/2013	5.20	680.95
1/21/2014	NM	NA
4/7/2014	5.76	680.39
7/16/2014	6.60	679.55
10/14/2014	5.15	681.00
1/20/2015	NM	NA
4/6/2015	4.10	682.05
7/22/2015	4.82	681.33
10/19/2015	3.80	682.35
1/5/2016	3.94	682.21
4/4/2016	3.67	682.52
7/5/2016	4.29	681.90
10/24/2016	4.29	681.90
1/16/2017	4.40	681.79
4/18/2017	4.59	681.79
7/11/2017	6.98	679.21
10/23/2017	6.21	679.98
1/8/2018	NM	

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.79

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

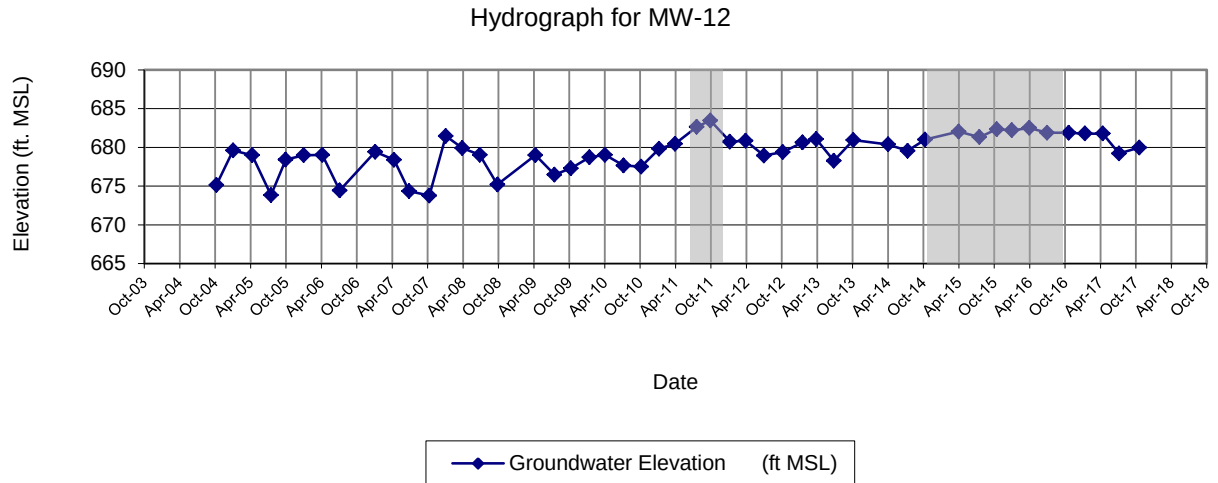
DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 686.15.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-12
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-13S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft) MSL)
4/8/2004	7.01	679.56
10/12/2004	13.47	673.10
1/6/2005	7.24	679.33
4/14/2005	13.91	672.66
7/20/2005	12.81	673.76
10/4/2005	13.35	673.22
1/5/2006	13.79	672.78
4/11/2006	12.45	674.12
7/10/2006	13.02	673.55
10/18/2006	10.99	675.58
1/9/2007	11.35	675.22
2/28/2007	3.49	683.08
4/16/2007	12.01	674.56
7/2/2007	13.20	673.37
10/18/2007	12.77	673.80
1/8/2008	5.08	681.49
4/2/2008	5.45	681.12
7/1/2008	9.70	676.90
9/30/2008	11.80	674.80
1/19/2009	8.70	677.90
4/14/2009	8.64	677.96
7/21/2009	10.91	675.69
10/14/2009	9.18	677.42
1/18/2010	9.80	676.80
4/8/2010	8.30	678.30
7/12/2010	9.96	676.64
10/11/2010	10.29	676.31
1/12/2011	7.53	679.07
4/4/2011	8.00	678.60
7/25/2011	2.55	684.05
10/3/2011	1.81	684.79
1/12/2012	8.11	678.49
4/2/2012	8.06	678.54
7/5/2012	8.71	677.89
10/11/2012	9.57	677.03
1/21/2013	13.85	672.75
4/1/2013	6.44	680.16
7/1/2013	6.44	680.16
10/9/2013	4.10	682.50
1/21/2014	4.95	681.65
4/7/2014	6.02	680.58
7/16/2014	5.42	681.18
10/14/2014	4.41	682.19
1/20/2015	6.10	680.50
4/6/2015	4.69	681.91
7/22/2015	7.97	678.63
10/19/2015	3.95	682.65
1/5/2016	5.90	680.70
4/4/2016	5.05	681.60
7/5/2016	3.90	682.75
10/24/2016	3.90	682.75
1/16/2017	7.20	679.45
4/18/2017	6.11	679.45
7/11/2017	8.60	678.05
10/23/2017	6.42	680.23
1/8/2018	4.73	681.92

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.57

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

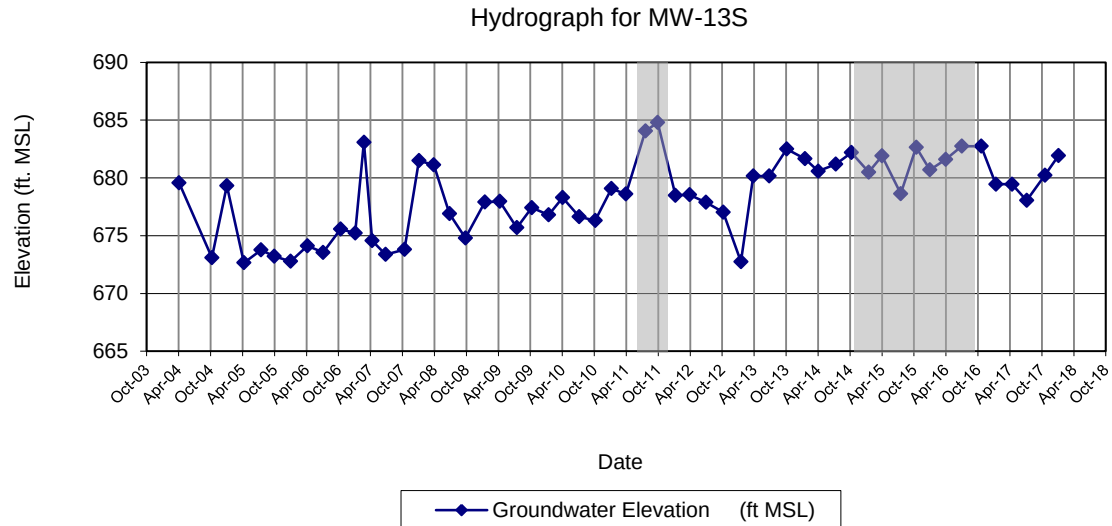
DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 686.60.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-13S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-13D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft) MSL)
4/8/2004	13.28	673.43
10/12/2004	14.87	671.84
1/6/2005	14.55	672.16
4/14/2005	15.32	671.39
7/20/2005	15.65	671.06
10/4/2005	9.44	677.27
1/5/2006	15.83	670.88
4/11/2006	15.41	671.30
7/10/2006	13.79	672.92
10/18/2006	13.17	673.54
1/9/2007	14.41	672.30
2/28/2007	3.28	683.43
4/16/2007	14.66	672.05
7/2/2007	15.68	671.03
10/18/2007	15.80	670.91
1/8/2008	8.69	678.02
4/2/2008	12.86	673.85
7/1/2008	12.55	674.18
9/30/2008	13.89	672.84
1/19/2009	12.10	674.63
4/14/2009	11.78	674.95
7/21/2009	12.86	673.87
10/14/2009	11.59	675.14
1/18/2010	13.88	672.85
4/8/2010	12.00	674.73
7/12/2010	11.90	674.83
10/11/2010	13.34	673.39
1/12/2011	13.2	673.53
4/4/2011	13.13	673.60
7/25/2011	3.33	683.40
10/3/2011	2.55	684.18
1/12/2012	12.34	674.39
4/2/2012	11.76	674.97
7/5/2012	9.25	677.48
10/11/2012	13.00	673.73
1/21/2013	13.85	672.88
4/1/2013	11.01	675.72
7/1/2013	14.26	672.47
10/9/2013	10.36	676.37
1/21/2014	11.45	675.28
4/7/2014	13.65	673.08
7/16/2014	10.74	675.99
10/14/2014	9.41	677.32
1/20/2015	11.02	675.71
4/6/2015	9.35	677.38
7/22/2015	7.44	679.29
10/19/2015	4.55	682.18
1/5/2016	10.31	676.42
4/4/2016	8.65	678.13
7/5/2016	5.06	681.72
10/24/2016	5.06	681.72
1/16/2017	12.50	674.28
4/18/2017	10.10	674.28
7/11/2017	11.15	675.63
10/23/2017	10.87	675.91
1/8/2018	9.12	677.66

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.71

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

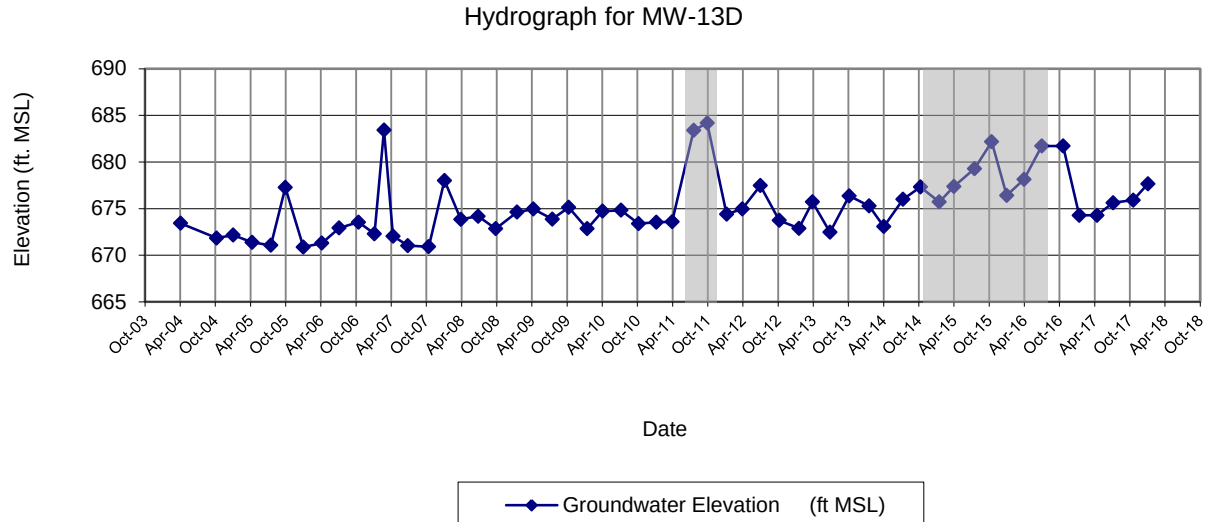
DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 686.73.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-13D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-14S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft) MSL)
4/8/2004	5.14	680.17
10/12/2004	8.57	676.74
1/6/2005	6.27	679.04
4/14/2005	5.16	680.15
7/20/2005	8.32	676.99
10/4/2005	6.14	679.17
1/5/2006	8.41	676.90
4/11/2006	7.75	677.56
7/10/2006	8.18	677.13
10/18/2006	9.00	676.31
1/9/2007	6.61	678.70
2/28/2007	1.50	683.81
4/16/2007	3.45	681.86
7/2/2007	8.36	676.95
10/15/2007	9.45	675.86
1/8/2008	4.65	680.66
4/2/2008	4.47	680.84
7/1/2008	6.37	679.33
9/30/2008	8.90	676.80
1/19/2009	6.15	679.55
4/14/2009	7.70	678.00
7/21/2009	7.25	678.45
10/14/2009	7.05	678.65
1/18/2010	NM	
4/8/2010	6.50	678.81
7/12/2010	6.54	678.77
10/11/2010	5.90	679.80
1/12/2011	6.83	678.87
4/4/2011	6.34	679.36
7/25/2011	2.59	683.11
10/3/2011	1.98	683.72
1/12/2012	5.10	680.60
4/2/2012	4.55	681.15
7/5/2012	7.15	678.55
10/11/2012	6.67	679.03
1/21/2013	5.15	680.55
4/1/2013	5.05	680.65
7/1/2013	6.81	678.89
10/9/2013	5.60	680.10
1/21/2014	5.68	680.02
4/7/2014	6.03	679.67
7/16/2014	5.49	680.21
10/14/2014	5.61	680.09
1/20/2015	5.55	680.15
4/6/2015	4.58	681.12
7/22/2015	3.59	682.11
10/19/2015	3.70	682.00
1/5/2016	3.92	681.78
4/4/2016	8.80	676.90
7/5/2016	3.80	681.90
10/24/2016	3.80	681.90
1/16/2017	5.10	680.60
4/18/2017	5.44	680.26
7/11/2017	7.50	678.20
10/23/2017	7.18	678.52
1/8/2018	5.39	680.35

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.31

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

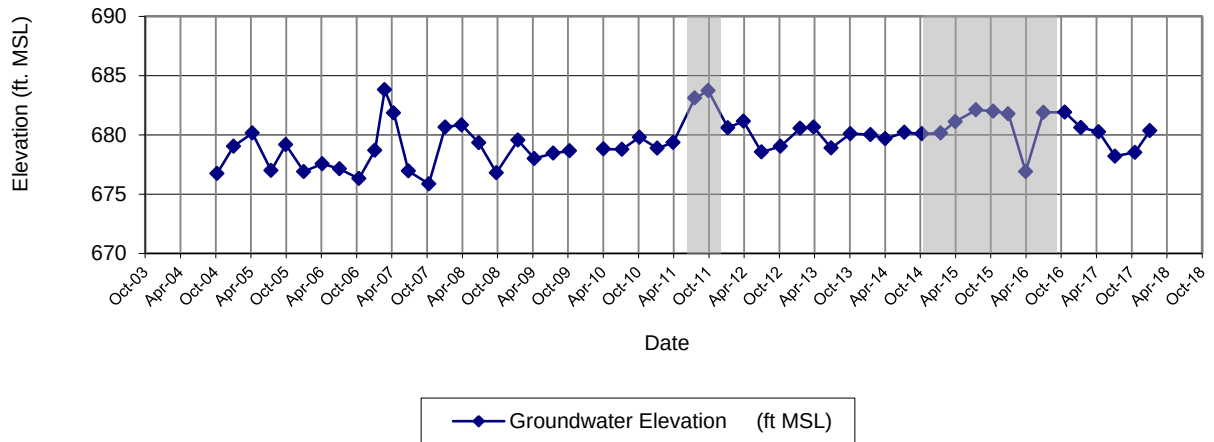
TOC Elevation re-measured on June 13, 2008 at 685.70.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-14S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Hydrograph for MW-14S



MONITORING WELL MW-14D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	13.21	672.22
10/12/2004	14.55	670.88
1/6/2005	15.97	669.46
4/14/2005	13.25	672.18
7/20/2005	18.20	667.23
10/4/2005	13.26	672.17
1/5/2006	19.08	666.35
4/11/2006	19.79	665.64
7/10/2006	17.16	668.27
10/18/2006	19.44	665.99
1/9/2007	14.71	670.72
2/28/2007	2.67	682.76
4/16/2007	19.74	665.69
7/2/2007	19.68	665.75
10/15/2007	19.76	665.67
1/8/2008	7.92	677.51
4/2/2008	14.41	671.02
7/1/2008	14.45	671.37
9/30/2008	15.39	670.43
1/19/2009	13.55	672.27
4/14/2009	20.10	665.72
7/21/2009	15.15	670.67
10/14/2009	20.27	665.55
1/18/2010	20.40	665.42
4/8/2010	15.40	670.42
7/12/2010	17.15	668.67
10/11/2010	14.40	671.42
1/12/2011	17.92	667.90
4/4/2011	16.23	669.59
7/25/2011	3.10	682.72
10/3/2011	2.72	683.10
1/12/2012	15.30	670.52
4/2/2012	16.50	669.32
7/5/2012	12.81	673.01
10/11/2012	14.55	671.27
1/21/2013	13.45	672.37
4/1/2013	10.78	675.04
7/1/2013	19.85	665.97
10/9/2013	10.02	675.80
1/21/2014	18.20	667.62
4/7/2014	17.95	667.87
7/16/2014	12.99	672.83
10/14/2014	10.70	675.12
1/20/2015	13.49	672.33
4/6/2015	11.30	674.52
7/22/2015	8.62	677.20
10/19/2015	4.10	681.72
1/5/2016	11.70	674.12
4/4/2016	17.98	667.90
7/5/2016	4.67	681.21
10/24/2016	4.67	681.21
1/16/2017	15.89	669.99
4/18/2017	12.45	669.99
7/11/2017	14.74	671.14
10/23/2017	17.02	668.86
1/8/2018	17.69	668.19

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.43

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

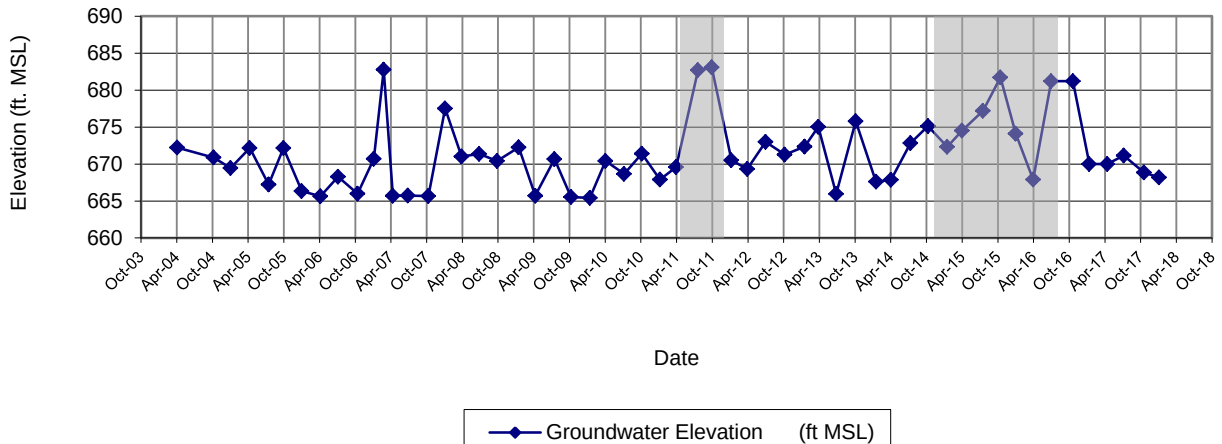
TOC Elevation re-measured on June 13, 2008 at 685.82.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-14D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Hydrograph for MW-14D



MONITORING WELL MW-15S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	1.20	685.44
10/12/2004	5.26	681.38
1/6/2005	0.35	686.29
4/14/2005	2.31	684.33
7/20/2005	4.78	681.86
10/4/2005	2.22	684.42
1/5/2006	0.70	685.94
4/11/2006	2.00	684.64
7/10/2006	4.75	681.89
1/9/2007	0.05	686.59
2/28/2007	0.00	686.64
4/16/2007	0.50	686.14
7/2/2007	4.67	681.97
10/16/2007	4.80	681.84
1/8/2008	0.70	685.94
4/2/2008	0.00	686.64
7/1/2008	0.50	687.02
9/30/2008	3.14	684.38
1/19/2009	1.50	686.02
4/14/2009	1.60	685.92
7/21/2009	1.11	686.41
10/14/2009	1.11	686.41
1/18/2010	0.80	686.72
4/8/2010	2.00	685.52
7/12/2010	2.80	684.72
10/11/2010	3.14	684.38
1/12/2011	1.40	686.12
4/4/2011	0.50	687.02
7/25/2011	2.51	685.01
10/3/2011	0.20	687.32
1/12/2012	0.50	687.02
4/2/2012	1.40	686.12
7/5/2012	3.90	683.62
10/1/2012	3.18	684.34
1/21/2013	0.00	687.52
4/1/2013	0.50	687.02
7/1/2013	1.73	685.79
10/9/2013	2.10	685.42
1/21/2014	1.75	685.77
4/7/2014	0.90	686.62
7/16/2014	1.91	685.61
10/14/2014	2.00	685.52
1/20/2015	1.60	685.92
4/6/2015	0.51	687.01
7/22/2015	1.41	686.11
10/19/2015	2.20	685.32
1/5/2016	1.15	686.37
4/4/2016	0.70	687.17
7/5/2016	3.61	683.56
10/24/2016	3.61	683.56
1/16/2017	1.20	685.97
4/18/2017	0.90	685.97
7/11/2017	4.30	682.87
10/23/2017	2.55	684.62
1/8/2018	0.00	687.17

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.64

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

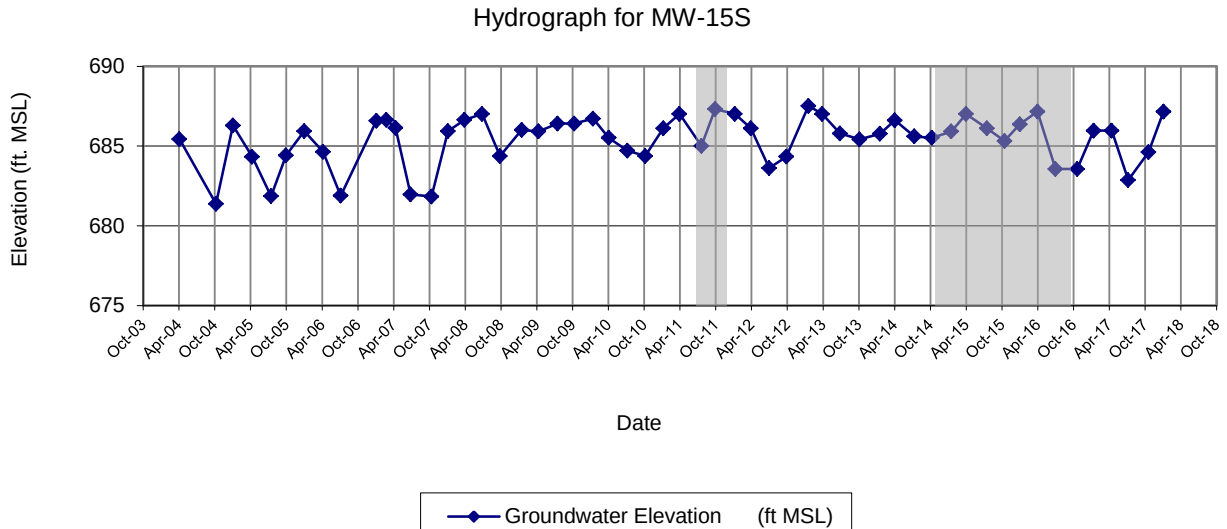
Measured from ground surface on April 4, 2016 at 687.87

TOC Elevation re-measured on June 13, 2008 at 687.52.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-15S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-15D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	15.70	671.61
10/12/2004	17.42	669.89
1/6/2005	15.74	671.57
4/14/2005	16.99	670.32
7/20/2005	17.31	670.00
10/4/2005	8.94	678.37
1/5/2006	16.16	671.15
4/11/2006	16.90	670.41
7/10/2006	15.78	671.53
10/18/2006	15.50	671.81
1/9/2007	15.80	671.51
2/28/2007	4.10	683.21
4/16/2007	16.61	670.70
7/2/2007	17.20	670.11
10/16/2007	16.70	670.61
1/8/2008	8.99	678.32
4/2/2008	15.01	672.30
7/1/2008	14.64	672.98
9/30/2008	16.24	671.38
1/19/2009	15.00	672.62
4/14/2009	14.21	673.41
7/21/2009	14.61	673.01
10/14/2009	14.81	672.81
1/18/2010	16.89	670.73
4/8/2010	15.00	672.62
7/12/2010	13.00	674.62
10/11/2010	13.00	674.62
1/12/2011	15.65	671.97
4/4/2011	15.51	672.11
7/25/2011	3.73	683.89
10/3/2011	3.05	684.57
1/12/2012	15.50	672.12
4/2/2012	14.30	673.32
7/5/2012	9.81	677.81
10/11/2012	13.70	673.92
1/21/2013	15.90	671.72
4/1/2013	11.08	676.54
7/1/2013	16.04	671.58
10/9/2013	13.95	673.67
1/21/2014	15.05	672.57
4/7/2014	15.84	671.78
7/16/2014	13.51	674.11
10/14/2014	12.49	675.13
1/20/2015	15.04	672.58
4/6/2015	13.15	674.47
7/22/2015	9.92	677.70
10/19/2015	6.50	681.12
1/5/2016	13.65	673.97
4/4/2016	21.70	666.17
7/5/2016	5.85	681.52
10/24/2016	5.85	681.52
1/16/2017	13.56	673.81
4/18/2017	13.40	673.81
7/11/2017	14.06	673.31
10/23/2017	14.21	673.16
1/8/2018	13.08	674.79

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 687.31'

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

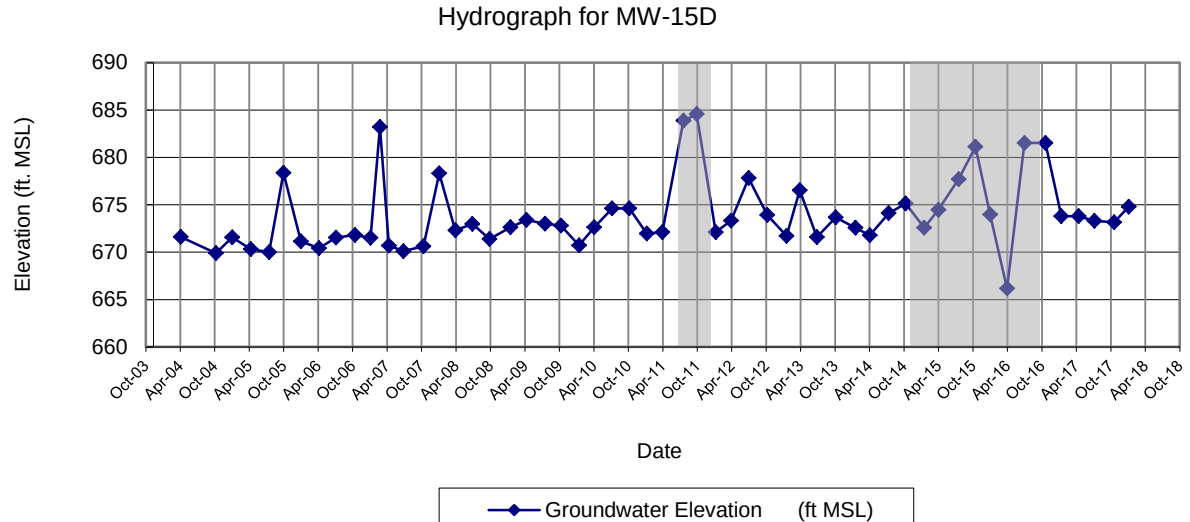
TOC Elevation re-measured on June 13, 2008 at 687.62.

Measured from ground surface on April 4, 2016 at 687.87.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-15D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-16S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	5.09	680.75
10/12/2004	12.09	673.75
1/6/2005	4.75	681.09
4/14/2005	10.15	675.69
7/20/2005	14.56	671.28
10/4/2005	11.50	674.34
1/5/2006	11.41	674.43
4/11/2006	12.90	672.94
7/10/2006	11.54	674.30
10/18/2006	12.50	673.34
1/9/2007	13.82	672.02
2/28/2007	2.90	682.94
4/16/2007	13.07	672.77
7/2/2007	12.50	673.34
10/18/2007	15.23	670.61
1/8/2008	5.60	680.24
4/2/2008	12.40	673.44
7/1/2008	15.70	674.67
9/30/2008	19.34	671.03
1/19/2009	17.80	672.57
4/14/2009	18.22	672.15
7/21/2009	19.95	670.42
10/14/2009	17.77	672.60
1/18/2010	16.45	673.92
4/8/2010	18.60	671.77
7/12/2010	18.45	671.92
10/11/2010	13.51	676.86
4/7/2011	8.55	677.29
7/25/2011	1.45	684.39
10/3/2011	0.60	685.24
1/12/2012	3.80	682.04
4/2/2012	5.85	679.99
7/5/2012	9.12	676.72
10/11/2012	6.36	679.48
1/21/2013	7.85	677.99
4/1/2013	10.15	675.69
7/1/2013	9.18	676.66
10/9/2013	3.80	682.04
1/21/2014	9.55	676.29
4/7/2014	9.60	676.24
7/16/2014	9.05	676.79
10/14/2014	3.10	682.74
1/20/2015	6.90	678.94
4/6/2015	5.50	680.34
7/22/2015	10.14	678.05
10/19/2015	5.00	683.19
1/5/2016	7.05	681.14
4/4/2016	6.38	681.77
7/5/2016	5.23	682.92
10/24/2016	5.23	682.92
1/16/2017	8.25	679.90
4/18/2017	7.28	679.90
7/11/2017	10.36	677.79
10/23/2017	8.66	679.49
1/8/2018	6.29	681.86

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.84

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 690.37.

TOC Elevation re-measured on April 7, 2011 at 685.84.

TOC Elevation re-measured on June 1, 2015 at 688.19.

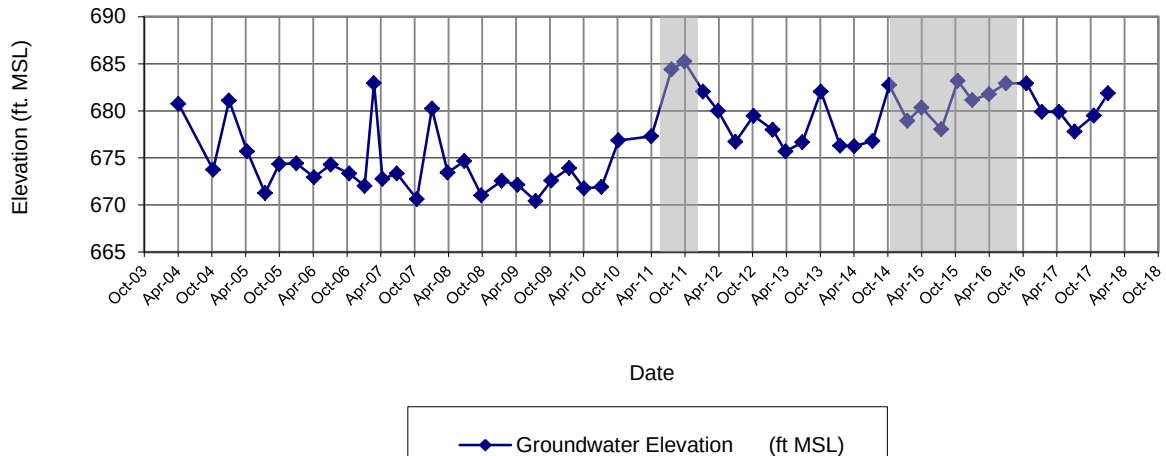
TOC Elevation re-measured on February 23, 2016 at 688.15.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-16S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Hydrograph for MW-16S



MONITORING WELL MW-16D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	13.62	672.39
10/12/2004	15.51	670.50
1/6/2005	13.70	672.31
4/14/2005	16.09	669.92
7/20/2005	16.65	669.36
10/4/2005	9.89	676.12
1/5/2006	17.21	668.80
4/11/2006	17.1	668.91
7/10/2006	10.61	675.4
10/18/2006	15.41	670.6
1/9/2007	15.6	670.41
2/28/2007	2.74	683.27
4/16/2007	16.35	669.66
7/2/2007	16.85	669.16
10/18/2007	17.17	668.84
1/8/2008	8.32	677.69
4/2/2008	13.44	672.57
7/1/2008	17.72	672.83
9/30/2008	19.29	671.26
1/19/2009	17.95	672.60
4/14/2009	17.21	673.34
7/21/2009	18.28	672.27
10/14/2009	17.60	672.95
1/18/2010	19.51	671.04
4/8/2010	17.19	673.36
7/12/2010	17.15	673.40
10/11/2010	18.63	671.92
4/7/2011	13.67	672.34
7/25/2011	2.46	683.55
10/3/2011	1.70	684.31
1/12/2012	13.55	672.46
4/2/2012	12.61	673.40
7/5/2012	8.90	677.11
10/11/2012	13.38	672.63
1/21/2013	15.44	670.57
4/1/2013	12.31	673.70
7/1/2013	16.25	669.76
10/9/2013	11.40	674.61
1/21/2014	13.35	672.66
4/7/2014	15.54	670.47
7/16/2014	11.73	674.28
10/14/2014	10.04	675.97
1/20/2015	12.31	673.70
4/6/2015	10.30	675.71
7/22/2015	9.80	678.59
10/19/2015	6.40	681.99
1/5/2016	13.00	675.39
4/4/2016	11.35	676.81
7/5/2016	6.49	681.67
10/24/2016	6.49	681.67
1/16/2017	14.28	673.88
4/18/2017	13.24	673.88
7/11/2017	14.25	673.91
10/23/2017	14.72	673.44
1/8/2018	12.38	675.78

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.01

DPE and GWCT off line for repairs in February 2007.

DPE off line for repairs in January 2008.

DPE off line for repairs in October 2013.

TOC Elevation re-measured on June 13, 2008 at 690.55.

TOC Elevation re-measured on April 7, 2011 at 686.01.

TOC Elevation re-measured on June 1, 2015 at 688.39.

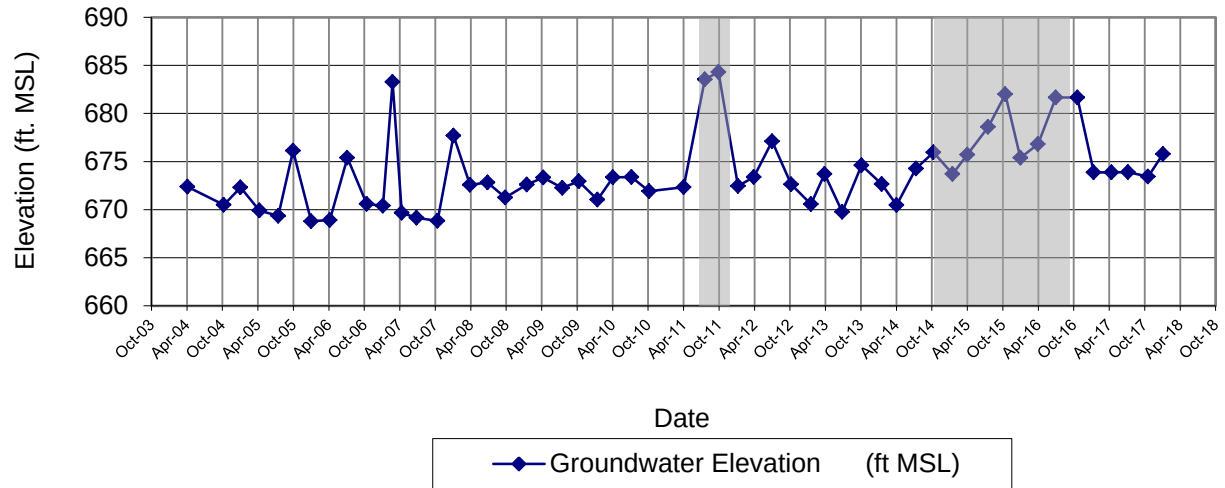
TOC Elevation re-measured on February 23, 2016 at 688.16.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of the chemical oxidation injection pilot test (note shading on graph).

DPE system off line between November 2014 and August 2016 to accommodate first and second phases of the ABC+ injection pilot test (note shading on graph).

MONITORING WELL MW-16D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Hydrograph for MW-16D





APPENDIX C

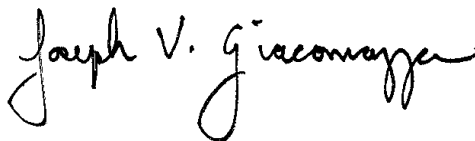
Analytical Laboratory Data
(Full data reports contained on attached CD ROM)

ANALYTICAL REPORT

Job Number: 200-41804-1

Job Description: Scott Figgie West of Plant 2

For:
AECOM, Inc.
257 West Genesee Street
Suite 400
Buffalo, NY 14202-2657
Attention: Mr. Dino Zack



Approved for release.
Joe V Giacomazza
Project Management Assistant II
1/25/2018 10:16 AM

Designee for
Brian J Fischer, Manager of Project Management
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9835
brian.fischer@testamericainc.com
01/25/2018

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC
Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

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Job Narrative
200-41804-1

Comments

No additional comments.

Receipt

The samples were received on 1/12/2018 1:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice.

Air Toxics

Method(s) TO-15: The continuing calibration verification (CCV) associated with batch 200-125422 recovered above the upper control limit for 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: 1Q18 AS (200-41804-1) and 1Q18 LRP (200-41804-2).

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

Definitions/Glossary

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Sample Summary

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-41804-1	1Q18 AS	Air	01/11/18 09:45	01/12/18 13:30
200-41804-2	1Q18 LRP	Air	01/11/18 10:00	01/12/18 13:30

Detection Summary

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Client Sample ID: 1Q18 AS

Lab Sample ID: 200-41804-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	2.3		0.40	0.40	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	2.9		0.50	0.50	ppb v/v	1		TO-15	Total/NA
Chloromethane	2.0		0.50	0.50	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	2.3		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane	0.50		0.50	0.50	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.96		0.50	0.50	ppb v/v	1		TO-15	Total/NA
Toluene	0.36		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.23		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	9.1		1.6	1.6	ug/m3	1		TO-15	Total/NA
Carbon disulfide	9.1		1.6	1.6	ug/m3	1		TO-15	Total/NA
Chloromethane	4.1		1.0	1.0	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	9.0		0.79	0.79	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.5		2.5	2.5	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	2.8		1.5	1.5	ug/m3	1		TO-15	Total/NA
Toluene	1.4		0.75	0.75	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.3		1.1	1.1	ug/m3	1		TO-15	Total/NA

Client Sample ID: 1Q18 LRP

Lab Sample ID: 200-41804-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	5.8		5.6	5.6	ppb v/v	28		TO-15	Total/NA
1,2-Dichloroethene, Total	690		11	11	ppb v/v	28		TO-15	Total/NA
cis-1,2-Dichloroethene	690		5.6	5.6	ppb v/v	28		TO-15	Total/NA
Trichloroethene	14		5.6	5.6	ppb v/v	28		TO-15	Total/NA
Vinyl chloride	470		5.6	5.6	ppb v/v	28		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	24		23	23	ug/m3	28		TO-15	Total/NA
1,2-Dichloroethene, Total	2700		44	44	ug/m3	28		TO-15	Total/NA
cis-1,2-Dichloroethene	2800		22	22	ug/m3	28		TO-15	Total/NA
Trichloroethene	75		30	30	ug/m3	28		TO-15	Total/NA
Vinyl chloride	1200		14	14	ug/m3	28		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Burlington

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Client Sample ID: 1Q18 AS

Date Collected: 01/11/18 09:45

Date Received: 01/12/18 13:30

Sample Container: Summa Canister 6L

Lab Sample ID: 200-41804-1

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
1,1,2-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
1,1-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
1,1-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	ppb v/v			01/15/18 17:30	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
1,2-Dibromoethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
1,2-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
1,2-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
1,2-Dichloroethene, Total	2.3		0.40	0.40	ppb v/v			01/15/18 17:30	1
1,2-Dichloropropane	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
1,3-Butadiene	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
1,3-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
1,4-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
1,4-Dioxane	5.0	U	5.0	5.0	ppb v/v			01/15/18 17:30	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
2-Chlorotoluene	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
3-Chloropropene	0.50	U	0.50	0.50	ppb v/v			01/15/18 17:30	1
4-Ethyltoluene	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
Acetone	5.0	U	5.0	5.0	ppb v/v			01/15/18 17:30	1
Benzene	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
Bromodichloromethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
Bromoform	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
Bromomethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
Carbon disulfide	2.9		0.50	0.50	ppb v/v			01/15/18 17:30	1
Carbon tetrachloride	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
Chlorobenzene	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
Chloroethane	0.50	U	0.50	0.50	ppb v/v			01/15/18 17:30	1
Chloroform	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
Chloromethane	2.0		0.50	0.50	ppb v/v			01/15/18 17:30	1
cis-1,2-Dichloroethene	2.3		0.20	0.20	ppb v/v			01/15/18 17:30	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
Cyclohexane	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
Dibromochloromethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
Dichlorodifluoromethane	0.50		0.50	0.50	ppb v/v			01/15/18 17:30	1
Ethylbenzene	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
Freon TF	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
Hexachlorobutadiene	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1
Isopropyl alcohol	5.0	U	5.0	5.0	ppb v/v			01/15/18 17:30	1
m,p-Xylene	0.50	U	0.50	0.50	ppb v/v			01/15/18 17:30	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50	ppb v/v			01/15/18 17:30	1
Methyl Ethyl Ketone	0.96		0.50	0.50	ppb v/v			01/15/18 17:30	1
methyl isobutyl ketone	0.50	U	0.50	0.50	ppb v/v			01/15/18 17:30	1
Methyl tert-butyl ether	0.20	U	0.20	0.20	ppb v/v			01/15/18 17:30	1

TestAmerica Burlington

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Client Sample ID: 1Q18 AS

Date Collected: 01/11/18 09:45

Date Received: 01/12/18 13:30

Sample Container: Summa Canister 6L

Lab Sample ID: 200-41804-1

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.50	U	0.50	0.50 ppb v/v			01/15/18 17:30	1
n-Heptane	0.20	U	0.20	0.20 ppb v/v			01/15/18 17:30	1
n-Hexane	0.20	U	0.20	0.20 ppb v/v			01/15/18 17:30	1
Styrene	0.20	U	0.20	0.20 ppb v/v			01/15/18 17:30	1
tert-Butyl alcohol	5.0	U	5.0	5.0 ppb v/v			01/15/18 17:30	1
Tetrachloroethene	0.20	U	0.20	0.20 ppb v/v			01/15/18 17:30	1
Tetrahydrofuran	5.0	U	5.0	5.0 ppb v/v			01/15/18 17:30	1
Toluene	0.36		0.20	0.20 ppb v/v			01/15/18 17:30	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.20 ppb v/v			01/15/18 17:30	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.20 ppb v/v			01/15/18 17:30	1
Trichloroethene	0.20	U	0.20	0.20 ppb v/v			01/15/18 17:30	1
Trichlorofluoromethane	0.23		0.20	0.20 ppb v/v			01/15/18 17:30	1
Vinyl chloride	0.20	U	0.20	0.20 ppb v/v			01/15/18 17:30	1
Xylene (total)	0.70	U	0.70	0.70 ppb v/v			01/15/18 17:30	1
Xylene, o-	0.20	U	0.20	0.20 ppb v/v			01/15/18 17:30	1
Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	1.1 ug/m3			01/15/18 17:30	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	1.4 ug/m3			01/15/18 17:30	1
1,1,2-Trichloroethane	1.1	U	1.1	1.1 ug/m3			01/15/18 17:30	1
1,1-Dichloroethane	0.81	U	0.81	0.81 ug/m3			01/15/18 17:30	1
1,1-Dichloroethene	0.79	U	0.79	0.79 ug/m3			01/15/18 17:30	1
1,2,4-Trichlorobenzene	3.7	U	3.7	3.7 ug/m3			01/15/18 17:30	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.98 ug/m3			01/15/18 17:30	1
1,2-Dibromoethane	1.5	U	1.5	1.5 ug/m3			01/15/18 17:30	1
1,2-Dichlorobenzene	1.2	U	1.2	1.2 ug/m3			01/15/18 17:30	1
1,2-Dichloroethane	0.81	U	0.81	0.81 ug/m3			01/15/18 17:30	1
1,2-Dichloroethene, Total	9.1		1.6	1.6 ug/m3			01/15/18 17:30	1
1,2-Dichloropropane	0.92	U	0.92	0.92 ug/m3			01/15/18 17:30	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	1.4 ug/m3			01/15/18 17:30	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.98 ug/m3			01/15/18 17:30	1
1,3-Butadiene	0.44	U	0.44	0.44 ug/m3			01/15/18 17:30	1
1,3-Dichlorobenzene	1.2	U	1.2	1.2 ug/m3			01/15/18 17:30	1
1,4-Dichlorobenzene	1.2	U	1.2	1.2 ug/m3			01/15/18 17:30	1
1,4-Dioxane	18	U	18	18 ug/m3			01/15/18 17:30	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.93 ug/m3			01/15/18 17:30	1
2-Chlorotoluene	1.0	U	1.0	1.0 ug/m3			01/15/18 17:30	1
3-Chloropropene	1.6	U	1.6	1.6 ug/m3			01/15/18 17:30	1
4-Ethyltoluene	0.98	U	0.98	0.98 ug/m3			01/15/18 17:30	1
Acetone	12	U	12	12 ug/m3			01/15/18 17:30	1
Benzene	0.64	U	0.64	0.64 ug/m3			01/15/18 17:30	1
Bromodichloromethane	1.3	U	1.3	1.3 ug/m3			01/15/18 17:30	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.87 ug/m3			01/15/18 17:30	1
Bromoform	2.1	U	2.1	2.1 ug/m3			01/15/18 17:30	1
Bromomethane	0.78	U	0.78	0.78 ug/m3			01/15/18 17:30	1
Carbon disulfide	9.1		1.6	1.6 ug/m3			01/15/18 17:30	1
Carbon tetrachloride	1.3	U	1.3	1.3 ug/m3			01/15/18 17:30	1
Chlorobenzene	0.92	U	0.92	0.92 ug/m3			01/15/18 17:30	1
Chloroethane	1.3	U	1.3	1.3 ug/m3			01/15/18 17:30	1

TestAmerica Burlington

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Client Sample ID: 1Q18 AS

Date Collected: 01/11/18 09:45

Date Received: 01/12/18 13:30

Sample Container: Summa Canister 6L

Lab Sample ID: 200-41804-1

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.98	U	0.98	0.98	ug/m3			01/15/18 17:30	1
Chloromethane	4.1		1.0	1.0	ug/m3			01/15/18 17:30	1
cis-1,2-Dichloroethene	9.0		0.79	0.79	ug/m3			01/15/18 17:30	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			01/15/18 17:30	1
Cyclohexane	0.69	U	0.69	0.69	ug/m3			01/15/18 17:30	1
Dibromochloromethane	1.7	U	1.7	1.7	ug/m3			01/15/18 17:30	1
Dichlorodifluoromethane	2.5		2.5	2.5	ug/m3			01/15/18 17:30	1
Ethylbenzene	0.87	U	0.87	0.87	ug/m3			01/15/18 17:30	1
Freon TF	1.5	U	1.5	1.5	ug/m3			01/15/18 17:30	1
Hexachlorobutadiene	2.1	U	2.1	2.1	ug/m3			01/15/18 17:30	1
Isopropyl alcohol	12	U	12	12	ug/m3			01/15/18 17:30	1
m,p-Xylene	2.2	U	2.2	2.2	ug/m3			01/15/18 17:30	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	2.0	ug/m3			01/15/18 17:30	1
Methyl Ethyl Ketone	2.8		1.5	1.5	ug/m3			01/15/18 17:30	1
methyl isobutyl ketone	2.0	U	2.0	2.0	ug/m3			01/15/18 17:30	1
Methyl tert-butyl ether	0.72	U	0.72	0.72	ug/m3			01/15/18 17:30	1
Methylene Chloride	1.7	U	1.7	1.7	ug/m3			01/15/18 17:30	1
n-Heptane	0.82	U	0.82	0.82	ug/m3			01/15/18 17:30	1
n-Hexane	0.70	U	0.70	0.70	ug/m3			01/15/18 17:30	1
Styrene	0.85	U	0.85	0.85	ug/m3			01/15/18 17:30	1
tert-Butyl alcohol	15	U	15	15	ug/m3			01/15/18 17:30	1
Tetrachloroethene	1.4	U	1.4	1.4	ug/m3			01/15/18 17:30	1
Tetrahydrofuran	15	U	15	15	ug/m3			01/15/18 17:30	1
Toluene	1.4		0.75	0.75	ug/m3			01/15/18 17:30	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.79	ug/m3			01/15/18 17:30	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			01/15/18 17:30	1
Trichloroethene	1.1	U	1.1	1.1	ug/m3			01/15/18 17:30	1
Trichlorofluoromethane	1.3		1.1	1.1	ug/m3			01/15/18 17:30	1
Vinyl chloride	0.51	U	0.51	0.51	ug/m3			01/15/18 17:30	1
Xylene (total)	3.0	U	3.0	3.0	ug/m3			01/15/18 17:30	1
Xylene, o-	0.87	U	0.87	0.87	ug/m3			01/15/18 17:30	1

Client Sample ID: 1Q18 LRP

Date Collected: 01/11/18 10:00

Date Received: 01/12/18 13:30

Sample Container: Summa Canister 6L

Lab Sample ID: 200-41804-2

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
1,1,2,2-Tetrachloroethane	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
1,1,2-Trichloroethane	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
1,1-Dichloroethane	5.8		5.6	5.6	ppb v/v			01/15/18 18:20	28
1,1-Dichloroethene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
1,2,4-Trichlorobenzene	14	U	14	14	ppb v/v			01/15/18 18:20	28
1,2,4-Trimethylbenzene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
1,2-Dibromoethane	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
1,2-Dichlorobenzene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
1,2-Dichloroethane	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28

TestAmerica Burlington

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Client Sample ID: 1Q18 LRP

Lab Sample ID: 200-41804-2

Date Collected: 01/11/18 10:00

Matrix: Air

Date Received: 01/12/18 13:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	690		11	11	ppb v/v			01/15/18 18:20	28
1,2-Dichloropropane	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
1,2-Dichlorotetrafluoroethane	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
1,3,5-Trimethylbenzene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
1,3-Butadiene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
1,3-Dichlorobenzene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
1,4-Dichlorobenzene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
1,4-Dioxane	140	U	140	140	ppb v/v			01/15/18 18:20	28
2,2,4-Trimethylpentane	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
2-Chlorotoluene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
3-Chloropropene	14	U	14	14	ppb v/v			01/15/18 18:20	28
4-Ethyltoluene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Acetone	140	U	140	140	ppb v/v			01/15/18 18:20	28
Benzene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Bromodichloromethane	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Bromoethene(Vinyl Bromide)	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Bromoform	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Bromomethane	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Carbon disulfide	14	U	14	14	ppb v/v			01/15/18 18:20	28
Carbon tetrachloride	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Chlorobenzene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Chloroethane	14	U	14	14	ppb v/v			01/15/18 18:20	28
Chloroform	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Chloromethane	14	U	14	14	ppb v/v			01/15/18 18:20	28
cis-1,2-Dichloroethene	690		5.6	5.6	ppb v/v			01/15/18 18:20	28
cis-1,3-Dichloropropene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Cyclohexane	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Dibromochloromethane	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Dichlorodifluoromethane	14	U	14	14	ppb v/v			01/15/18 18:20	28
Ethylbenzene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Freon TF	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Hexachlorobutadiene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Isopropyl alcohol	140	U	140	140	ppb v/v			01/15/18 18:20	28
m,p-Xylene	14	U	14	14	ppb v/v			01/15/18 18:20	28
Methyl Butyl Ketone (2-Hexanone)	14	U	14	14	ppb v/v			01/15/18 18:20	28
Methyl Ethyl Ketone	14	U	14	14	ppb v/v			01/15/18 18:20	28
methyl isobutyl ketone	14	U	14	14	ppb v/v			01/15/18 18:20	28
Methyl tert-butyl ether	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Methylene Chloride	14	U	14	14	ppb v/v			01/15/18 18:20	28
n-Heptane	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
n-Hexane	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Styrene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
tert-Butyl alcohol	140	U	140	140	ppb v/v			01/15/18 18:20	28
Tetrachloroethene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Tetrahydrofuran	140	U	140	140	ppb v/v			01/15/18 18:20	28
Toluene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
trans-1,2-Dichloroethene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
trans-1,3-Dichloropropene	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28

TestAmerica Burlington

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Client Sample ID: 1Q18 LRP

Lab Sample ID: 200-41804-2

Date Collected: 01/11/18 10:00

Matrix: Air

Date Received: 01/12/18 13:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	14		5.6	5.6	ppb v/v			01/15/18 18:20	28
Trichlorofluoromethane	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Vinyl chloride	470		5.6	5.6	ppb v/v			01/15/18 18:20	28
Xylene (total)	20	U	20	20	ppb v/v			01/15/18 18:20	28
Xylene, o-	5.6	U	5.6	5.6	ppb v/v			01/15/18 18:20	28
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	31	U	31	31	ug/m3			01/15/18 18:20	28
1,1,2,2-Tetrachloroethane	38	U	38	38	ug/m3			01/15/18 18:20	28
1,1,2-Trichloroethane	31	U	31	31	ug/m3			01/15/18 18:20	28
1,1-Dichloroethane	24		23	23	ug/m3			01/15/18 18:20	28
1,1-Dichloroethene	22	U	22	22	ug/m3			01/15/18 18:20	28
1,2,4-Trichlorobenzene	100	U	100	100	ug/m3			01/15/18 18:20	28
1,2,4-Trimethylbenzene	28	U	28	28	ug/m3			01/15/18 18:20	28
1,2-Dibromoethane	43	U	43	43	ug/m3			01/15/18 18:20	28
1,2-Dichlorobenzene	34	U	34	34	ug/m3			01/15/18 18:20	28
1,2-Dichloroethane	23	U	23	23	ug/m3			01/15/18 18:20	28
1,2-Dichloroethene, Total	2700		44	44	ug/m3			01/15/18 18:20	28
1,2-Dichloropropane	26	U	26	26	ug/m3			01/15/18 18:20	28
1,2-Dichlorotetrafluoroethane	39	U	39	39	ug/m3			01/15/18 18:20	28
1,3,5-Trimethylbenzene	28	U	28	28	ug/m3			01/15/18 18:20	28
1,3-Butadiene	12	U	12	12	ug/m3			01/15/18 18:20	28
1,3-Dichlorobenzene	34	U	34	34	ug/m3			01/15/18 18:20	28
1,4-Dichlorobenzene	34	U	34	34	ug/m3			01/15/18 18:20	28
1,4-Dioxane	500	U	500	500	ug/m3			01/15/18 18:20	28
2,2,4-Trimethylpentane	26	U	26	26	ug/m3			01/15/18 18:20	28
2-Chlorotoluene	29	U	29	29	ug/m3			01/15/18 18:20	28
3-Chloropropene	44	U	44	44	ug/m3			01/15/18 18:20	28
4-Ethyltoluene	28	U	28	28	ug/m3			01/15/18 18:20	28
Acetone	330	U	330	330	ug/m3			01/15/18 18:20	28
Benzene	18	U	18	18	ug/m3			01/15/18 18:20	28
Bromodichloromethane	38	U	38	38	ug/m3			01/15/18 18:20	28
Bromoethene(Vinyl Bromide)	24	U	24	24	ug/m3			01/15/18 18:20	28
Bromoform	58	U	58	58	ug/m3			01/15/18 18:20	28
Bromomethane	22	U	22	22	ug/m3			01/15/18 18:20	28
Carbon disulfide	44	U	44	44	ug/m3			01/15/18 18:20	28
Carbon tetrachloride	35	U	35	35	ug/m3			01/15/18 18:20	28
Chlorobenzene	26	U	26	26	ug/m3			01/15/18 18:20	28
Chloroethane	37	U	37	37	ug/m3			01/15/18 18:20	28
Chloroform	27	U	27	27	ug/m3			01/15/18 18:20	28
Chloromethane	29	U	29	29	ug/m3			01/15/18 18:20	28
cis-1,2-Dichloroethene	2800		22	22	ug/m3			01/15/18 18:20	28
cis-1,3-Dichloropropene	25	U	25	25	ug/m3			01/15/18 18:20	28
Cyclohexane	19	U	19	19	ug/m3			01/15/18 18:20	28
Dibromochloromethane	48	U	48	48	ug/m3			01/15/18 18:20	28
Dichlorodifluoromethane	69	U	69	69	ug/m3			01/15/18 18:20	28
Ethylbenzene	24	U	24	24	ug/m3			01/15/18 18:20	28
Freon TF	43	U	43	43	ug/m3			01/15/18 18:20	28
Hexachlorobutadiene	60	U	60	60	ug/m3			01/15/18 18:20	28

TestAmerica Burlington

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Client Sample ID: 1Q18 LRP

Date Collected: 01/11/18 10:00

Date Received: 01/12/18 13:30

Sample Container: Summa Canister 6L

Lab Sample ID: 200-41804-2

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl alcohol	340	U	340	340	ug/m3			01/15/18 18:20	28
m,p-Xylene	61	U	61	61	ug/m3			01/15/18 18:20	28
Methyl Butyl Ketone (2-Hexanone)	57	U	57	57	ug/m3			01/15/18 18:20	28
Methyl Ethyl Ketone	41	U	41	41	ug/m3			01/15/18 18:20	28
methyl isobutyl ketone	57	U	57	57	ug/m3			01/15/18 18:20	28
Methyl tert-butyl ether	20	U	20	20	ug/m3			01/15/18 18:20	28
Methylene Chloride	49	U	49	49	ug/m3			01/15/18 18:20	28
n-Heptane	23	U	23	23	ug/m3			01/15/18 18:20	28
n-Hexane	20	U	20	20	ug/m3			01/15/18 18:20	28
Styrene	24	U	24	24	ug/m3			01/15/18 18:20	28
tert-Butyl alcohol	420	U	420	420	ug/m3			01/15/18 18:20	28
Tetrachloroethene	38	U	38	38	ug/m3			01/15/18 18:20	28
Tetrahydrofuran	410	U	410	410	ug/m3			01/15/18 18:20	28
Toluene	21	U	21	21	ug/m3			01/15/18 18:20	28
trans-1,2-Dichloroethene	22	U	22	22	ug/m3			01/15/18 18:20	28
trans-1,3-Dichloropropene	25	U	25	25	ug/m3			01/15/18 18:20	28
Trichloroethene	75		30	30	ug/m3			01/15/18 18:20	28
Trichlorofluoromethane	31	U	31	31	ug/m3			01/15/18 18:20	28
Vinyl chloride	1200		14	14	ug/m3			01/15/18 18:20	28
Xylene (total)	85	U	85	85	ug/m3			01/15/18 18:20	28
Xylene, o-	24	U	24	24	ug/m3			01/15/18 18:20	28

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-125422/5

Matrix: Air

Analysis Batch: 125422

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
1,1,2-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
1,1-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
1,1-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	ppb v/v			01/15/18 14:59	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
1,2-Dibromoethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
1,2-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
1,2-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.40	ppb v/v			01/15/18 14:59	1
1,2-Dichloropropane	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
1,3-Butadiene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
1,3-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
1,4-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
1,4-Dioxane	5.0	U	5.0	5.0	ppb v/v			01/15/18 14:59	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
2-Chlorotoluene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
3-Chloropropene	0.50	U	0.50	0.50	ppb v/v			01/15/18 14:59	1
4-Ethyltoluene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Acetone	5.0	U	5.0	5.0	ppb v/v			01/15/18 14:59	1
Benzene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Bromodichloromethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Bromoform	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Bromomethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Carbon disulfide	0.50	U	0.50	0.50	ppb v/v			01/15/18 14:59	1
Carbon tetrachloride	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Chlorobenzene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Chloroethane	0.50	U	0.50	0.50	ppb v/v			01/15/18 14:59	1
Chloroform	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Chloromethane	0.50	U	0.50	0.50	ppb v/v			01/15/18 14:59	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Cyclohexane	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Dibromochloromethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Dichlorodifluoromethane	0.50	U	0.50	0.50	ppb v/v			01/15/18 14:59	1
Ethylbenzene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Freon TF	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Hexachlorobutadiene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Isopropyl alcohol	5.0	U	5.0	5.0	ppb v/v			01/15/18 14:59	1
m,p-Xylene	0.50	U	0.50	0.50	ppb v/v			01/15/18 14:59	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50	ppb v/v			01/15/18 14:59	1
Methyl Ethyl Ketone	0.50	U	0.50	0.50	ppb v/v			01/15/18 14:59	1
methyl isobutyl ketone	0.50	U	0.50	0.50	ppb v/v			01/15/18 14:59	1
Methyl tert-butyl ether	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1

TestAmerica Burlington

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-125422/5

Matrix: Air

Analysis Batch: 125422

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.50	U	0.50	0.50	ppb v/v			01/15/18 14:59	1
n-Heptane	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
n-Hexane	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Styrene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
tert-Butyl alcohol	5.0	U	5.0	5.0	ppb v/v			01/15/18 14:59	1
Tetrachloroethene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Tetrahydrofuran	5.0	U	5.0	5.0	ppb v/v			01/15/18 14:59	1
Toluene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Trichloroethene	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Trichlorofluoromethane	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Vinyl chloride	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1
Xylene (total)	0.70	U	0.70	0.70	ppb v/v			01/15/18 14:59	1
Xylene, o-	0.20	U	0.20	0.20	ppb v/v			01/15/18 14:59	1

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	1.1	ug/m3			01/15/18 14:59	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	1.4	ug/m3			01/15/18 14:59	1
1,1,2-Trichloroethane	1.1	U	1.1	1.1	ug/m3			01/15/18 14:59	1
1,1-Dichloroethane	0.81	U	0.81	0.81	ug/m3			01/15/18 14:59	1
1,1-Dichloroethene	0.79	U	0.79	0.79	ug/m3			01/15/18 14:59	1
1,2,4-Trichlorobenzene	3.7	U	3.7	3.7	ug/m3			01/15/18 14:59	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			01/15/18 14:59	1
1,2-Dibromoethane	1.5	U	1.5	1.5	ug/m3			01/15/18 14:59	1
1,2-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			01/15/18 14:59	1
1,2-Dichloroethane	0.81	U	0.81	0.81	ug/m3			01/15/18 14:59	1
1,2-Dichloroethene, Total	1.6	U	1.6	1.6	ug/m3			01/15/18 14:59	1
1,2-Dichloropropane	0.92	U	0.92	0.92	ug/m3			01/15/18 14:59	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	1.4	ug/m3			01/15/18 14:59	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			01/15/18 14:59	1
1,3-Butadiene	0.44	U	0.44	0.44	ug/m3			01/15/18 14:59	1
1,3-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			01/15/18 14:59	1
1,4-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			01/15/18 14:59	1
1,4-Dioxane	18	U	18	18	ug/m3			01/15/18 14:59	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.93	ug/m3			01/15/18 14:59	1
2-Chlorotoluene	1.0	U	1.0	1.0	ug/m3			01/15/18 14:59	1
3-Chloropropene	1.6	U	1.6	1.6	ug/m3			01/15/18 14:59	1
4-Ethyltoluene	0.98	U	0.98	0.98	ug/m3			01/15/18 14:59	1
Acetone	12	U	12	12	ug/m3			01/15/18 14:59	1
Benzene	0.64	U	0.64	0.64	ug/m3			01/15/18 14:59	1
Bromodichloromethane	1.3	U	1.3	1.3	ug/m3			01/15/18 14:59	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.87	ug/m3			01/15/18 14:59	1
Bromoform	2.1	U	2.1	2.1	ug/m3			01/15/18 14:59	1
Bromomethane	0.78	U	0.78	0.78	ug/m3			01/15/18 14:59	1
Carbon disulfide	1.6	U	1.6	1.6	ug/m3			01/15/18 14:59	1
Carbon tetrachloride	1.3	U	1.3	1.3	ug/m3			01/15/18 14:59	1
Chlorobenzene	0.92	U	0.92	0.92	ug/m3			01/15/18 14:59	1

TestAmerica Burlington

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-125422/5

Matrix: Air

Analysis Batch: 125422

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	1.3	U	1.3	1.3	ug/m3			01/15/18 14:59	1
Chloroform	0.98	U	0.98	0.98	ug/m3			01/15/18 14:59	1
Chloromethane	1.0	U	1.0	1.0	ug/m3			01/15/18 14:59	1
cis-1,2-Dichloroethene	0.79	U	0.79	0.79	ug/m3			01/15/18 14:59	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			01/15/18 14:59	1
Cyclohexane	0.69	U	0.69	0.69	ug/m3			01/15/18 14:59	1
Dibromochloromethane	1.7	U	1.7	1.7	ug/m3			01/15/18 14:59	1
Dichlorodifluoromethane	2.5	U	2.5	2.5	ug/m3			01/15/18 14:59	1
Ethylbenzene	0.87	U	0.87	0.87	ug/m3			01/15/18 14:59	1
Freon TF	1.5	U	1.5	1.5	ug/m3			01/15/18 14:59	1
Hexachlorobutadiene	2.1	U	2.1	2.1	ug/m3			01/15/18 14:59	1
Isopropyl alcohol	12	U	12	12	ug/m3			01/15/18 14:59	1
m,p-Xylene	2.2	U	2.2	2.2	ug/m3			01/15/18 14:59	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	2.0	ug/m3			01/15/18 14:59	1
Methyl Ethyl Ketone	1.5	U	1.5	1.5	ug/m3			01/15/18 14:59	1
methyl isobutyl ketone	2.0	U	2.0	2.0	ug/m3			01/15/18 14:59	1
Methyl tert-butyl ether	0.72	U	0.72	0.72	ug/m3			01/15/18 14:59	1
Methylene Chloride	1.7	U	1.7	1.7	ug/m3			01/15/18 14:59	1
n-Heptane	0.82	U	0.82	0.82	ug/m3			01/15/18 14:59	1
n-Hexane	0.70	U	0.70	0.70	ug/m3			01/15/18 14:59	1
Styrene	0.85	U	0.85	0.85	ug/m3			01/15/18 14:59	1
tert-Butyl alcohol	15	U	15	15	ug/m3			01/15/18 14:59	1
Tetrachloroethene	1.4	U	1.4	1.4	ug/m3			01/15/18 14:59	1
Tetrahydrofuran	15	U	15	15	ug/m3			01/15/18 14:59	1
Toluene	0.75	U	0.75	0.75	ug/m3			01/15/18 14:59	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.79	ug/m3			01/15/18 14:59	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			01/15/18 14:59	1
Trichloroethene	1.1	U	1.1	1.1	ug/m3			01/15/18 14:59	1
Trichlorofluoromethane	1.1	U	1.1	1.1	ug/m3			01/15/18 14:59	1
Vinyl chloride	0.51	U	0.51	0.51	ug/m3			01/15/18 14:59	1
Xylene (total)	3.0	U	3.0	3.0	ug/m3			01/15/18 14:59	1
Xylene, o-	0.87	U	0.87	0.87	ug/m3			01/15/18 14:59	1

Lab Sample ID: LCS 200-125422/4

Matrix: Air

Analysis Batch: 125422

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10.0	9.50		ppb v/v		95	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.0		ppb v/v		100	69 - 129
1,1,2-Trichloroethane	10.0	9.47		ppb v/v		95	69 - 129
1,1-Dichloroethane	10.0	9.89		ppb v/v		99	66 - 126
1,1-Dichloroethene	10.0	8.71		ppb v/v		87	67 - 127
1,2,4-Trichlorobenzene	10.0	9.39		ppb v/v		94	59 - 126
1,2,4-Trimethylbenzene	10.0	9.54		ppb v/v		95	65 - 125
1,2-Dibromoethane	10.0	9.69		ppb v/v		97	70 - 130
1,2-Dichlorobenzene	10.0	9.53		ppb v/v		95	67 - 127
1,2-Dichloroethane	10.0	9.48		ppb v/v		95	67 - 132

TestAmerica Burlington

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-125422/4

Matrix: Air

Analysis Batch: 125422

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	10.0	9.42		ppb v/v		94	67 - 127
1,2-Dichlorotetrafluoroethane	10.0	10.6		ppb v/v		106	78 - 138
1,3,5-Trimethylbenzene	10.0	9.53		ppb v/v		95	65 - 125
1,3-Butadiene	10.0	9.44		ppb v/v		94	59 - 125
1,3-Dichlorobenzene	10.0	9.73		ppb v/v		97	67 - 127
1,4-Dichlorobenzene	10.0	9.66		ppb v/v		97	66 - 126
1,4-Dioxane	10.0	9.71		ppb v/v		97	66 - 132
2,2,4-Trimethylpentane	10.0	9.04		ppb v/v		90	67 - 127
2-Chlorotoluene	10.0	9.83		ppb v/v		98	67 - 127
3-Chloropropene	10.0	10.2		ppb v/v		102	53 - 133
4-Ethyltoluene	10.0	10.3		ppb v/v		103	69 - 129
Acetone	10.0	11.1		ppb v/v		111	64 - 136
Benzene	10.0	8.90		ppb v/v		89	67 - 127
Bromodichloromethane	10.0	10.2		ppb v/v		102	69 - 129
Bromoethene(Vinyl Bromide)	10.0	9.05		ppb v/v		91	67 - 127
Bromoform	10.0	12.7		ppb v/v		127	34 - 170
Bromomethane	10.0	9.15		ppb v/v		91	68 - 128
Carbon disulfide	10.0	11.3		ppb v/v		113	81 - 141
Carbon tetrachloride	10.0	9.85		ppb v/v		99	62 - 143
Chlorobenzene	10.0	9.08		ppb v/v		91	68 - 128
Chloroethane	10.0	9.61		ppb v/v		96	65 - 125
Chloroform	10.0	9.82		ppb v/v		98	69 - 129
Chloromethane	10.0	9.59		ppb v/v		96	57 - 126
cis-1,2-Dichloroethene	10.0	9.46		ppb v/v		95	67 - 127
cis-1,3-Dichloropropene	10.0	9.92		ppb v/v		99	70 - 130
Cyclohexane	10.0	9.29		ppb v/v		93	69 - 129
Dibromochloromethane	10.0	10.3		ppb v/v		103	66 - 130
Dichlorodifluoromethane	10.0	10.2		ppb v/v		102	68 - 128
Ethylbenzene	10.0	9.42		ppb v/v		94	68 - 128
Freon TF	10.0	9.27		ppb v/v		93	68 - 128
Hexachlorobutadiene	10.0	9.28		ppb v/v		93	62 - 130
Isopropyl alcohol	10.0	9.83		ppb v/v		98	55 - 124
m,p-Xylene	20.0	18.8		ppb v/v		94	68 - 128
Methyl Butyl Ketone (2-Hexanone)	10.0	10.8		ppb v/v		108	61 - 127
Methyl Ethyl Ketone	10.0	10.5		ppb v/v		105	62 - 122
methyl isobutyl ketone	10.0	11.1		ppb v/v		111	62 - 130
Methyl tert-butyl ether	10.0	10.0		ppb v/v		100	67 - 127
Methylene Chloride	10.0	10.0		ppb v/v		100	62 - 122
n-Heptane	10.0	9.22		ppb v/v		92	62 - 130
n-Hexane	10.0	10.3		ppb v/v		103	71 - 131
Styrene	10.0	10.0		ppb v/v		100	68 - 128
tert-Butyl alcohol	10.0	10.3		ppb v/v		103	64 - 124
Tetrachloroethene	10.0	8.85		ppb v/v		88	70 - 130
Tetrahydrofuran	10.0	10.3		ppb v/v		103	61 - 136
Toluene	10.0	9.13		ppb v/v		91	67 - 127
trans-1,2-Dichloroethene	10.0	10.3		ppb v/v		103	72 - 132
trans-1,3-Dichloropropene	10.0	10.6		ppb v/v		106	69 - 129

TestAmerica Burlington

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-125422/4

Matrix: Air

Analysis Batch: 125422

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	10.0	8.81		ppb v/v		88	68 - 128
Trichlorofluoromethane	10.0	9.16		ppb v/v		92	67 - 127
Vinyl chloride	10.0	9.13		ppb v/v		91	62 - 125
Xylene, o-	10.0	9.28		ppb v/v		93	67 - 127
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	55	51.8		ug/m3		95	70 - 130
1,1,2,2-Tetrachloroethane	69	68.9		ug/m3		100	69 - 129
1,1,2-Trichloroethane	55	51.7		ug/m3		95	69 - 129
1,1-Dichloroethane	40	40.0		ug/m3		99	66 - 126
1,1-Dichloroethene	40	34.5		ug/m3		87	67 - 127
1,2,4-Trichlorobenzene	74	69.7		ug/m3		94	59 - 126
1,2,4-Trimethylbenzene	49	46.9		ug/m3		95	65 - 125
1,2-Dibromoethane	77	74.5		ug/m3		97	70 - 130
1,2-Dichlorobenzene	60	57.3		ug/m3		95	67 - 127
1,2-Dichloroethane	40	38.4		ug/m3		95	67 - 132
1,2-Dichloropropane	46	43.5		ug/m3		94	67 - 127
1,2-Dichlorotetrafluoroethane	70	74.3		ug/m3		106	78 - 138
1,3,5-Trimethylbenzene	49	46.9		ug/m3		95	65 - 125
1,3-Butadiene	22	20.9		ug/m3		94	59 - 125
1,3-Dichlorobenzene	60	58.5		ug/m3		97	67 - 127
1,4-Dichlorobenzene	60	58.1		ug/m3		97	66 - 126
1,4-Dioxane	36	35.0		ug/m3		97	66 - 132
2,2,4-Trimethylpentane	47	42.3		ug/m3		90	67 - 127
2-Chlorotoluene	52	50.9		ug/m3		98	67 - 127
3-Chloropropene	31	31.9		ug/m3		102	53 - 133
4-Ethyltoluene	49	50.5		ug/m3		103	69 - 129
Acetone	24	26.4		ug/m3		111	64 - 136
Benzene	32	28.4		ug/m3		89	67 - 127
Bromodichloromethane	67	68.1		ug/m3		102	69 - 129
Bromoethene(Vinyl Bromide)	44	39.6		ug/m3		91	67 - 127
Bromoform	100	132		ug/m3		127	34 - 170
Bromomethane	39	35.5		ug/m3		91	68 - 128
Carbon disulfide	31	35.3		ug/m3		113	81 - 141
Carbon tetrachloride	63	62.0		ug/m3		99	62 - 143
Chlorobenzene	46	41.8		ug/m3		91	68 - 128
Chloroethane	26	25.3		ug/m3		96	65 - 125
Chloroform	49	48.0		ug/m3		98	69 - 129
Chloromethane	21	19.8		ug/m3		96	57 - 126
cis-1,2-Dichloroethene	40	37.5		ug/m3		95	67 - 127
cis-1,3-Dichloropropene	45	45.0		ug/m3		99	70 - 130
Cyclohexane	34	32.0		ug/m3		93	69 - 129
Dibromochloromethane	85	88.0		ug/m3		103	66 - 130
Dichlorodifluoromethane	49	50.5		ug/m3		102	68 - 128
Ethylbenzene	43	40.9		ug/m3		94	68 - 128
Freon TF	77	71.0		ug/m3		93	68 - 128
Hexachlorobutadiene	110	98.9		ug/m3		93	62 - 130
Isopropyl alcohol	25	24.2		ug/m3		98	55 - 124

TestAmerica Burlington

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-125422/4

Matrix: Air

Analysis Batch: 125422

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m,p-Xylene	87	81.6		ug/m3		94	68 - 128
Methyl Butyl Ketone	41	44.4		ug/m3		108	61 - 127
(2-Hexanone)							
Methyl Ethyl Ketone	29	30.9		ug/m3		105	62 - 122
methyl isobutyl ketone	41	45.3		ug/m3		111	62 - 130
Methyl tert-butyl ether	36	36.2		ug/m3		100	67 - 127
Methylene Chloride	35	34.8		ug/m3		100	62 - 122
n-Heptane	41	37.8		ug/m3		92	62 - 130
n-Hexane	35	36.4		ug/m3		103	71 - 131
Styrene	43	42.7		ug/m3		100	68 - 128
tert-Butyl alcohol	30	31.3		ug/m3		103	64 - 124
Tetrachloroethene	68	60.0		ug/m3		88	70 - 130
Tetrahydrofuran	29	30.3		ug/m3		103	61 - 136
Toluene	38	34.4		ug/m3		91	67 - 127
trans-1,2-Dichloroethene	40	41.0		ug/m3		103	72 - 132
trans-1,3-Dichloropropene	45	48.0		ug/m3		106	69 - 129
Trichloroethene	54	47.3		ug/m3		88	68 - 128
Trichlorofluoromethane	56	51.5		ug/m3		92	67 - 127
Vinyl chloride	26	23.3		ug/m3		91	62 - 125
Xylene, o-	43	40.3		ug/m3		93	67 - 127

QC Association Summary

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Air - GC/MS VOA

Analysis Batch: 125422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-41804-1	1Q18 AS	Total/NA	Air	TO-15	
200-41804-2	1Q18 LRP	Total/NA	Air	TO-15	
MB 200-125422/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-125422/4	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Client Sample ID: 1Q18 AS

Date Collected: 01/11/18 09:45

Date Received: 01/12/18 13:30

Lab Sample ID: 200-41804-1

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	125422	01/15/18 17:30	K1P	TAL BUR

Client Sample ID: 1Q18 LRP

Date Collected: 01/11/18 10:00

Date Received: 01/12/18 13:30

Lab Sample ID: 200-41804-2

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		28	125422	01/15/18 18:20	K1P	TAL BUR

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Method Summary

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-41804-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: AECOM, Inc.

TestAmerica Job ID: 200-41804-1

Project/Site: Scott Figgie West of Plant 2

Laboratory: TestAmerica Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Connecticut	State Program	1	PH-0751	09-30-19
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-02-18 *
Florida	NELAP	4	E87467	06-30-18
L-A-B	DoD ELAP		L2336	02-25-20
Maine	State Program	1	VT00008	04-17-19
Minnesota	NELAP	5	050-999-436	12-31-18
New Hampshire	NELAP	1	2006	12-18-18
New Jersey	NELAP	2	VT972	06-30-18
New York	NELAP	2	10391	04-01-18
Pennsylvania	NELAP	3	68-00489	04-30-18
Rhode Island	State Program	1	LAO00298	12-30-17 *
US Fish & Wildlife	Federal		LE-058448-0	07-31-18
USDA	Federal		P330-11-00093	12-05-19
Vermont	State Program	1	VT-4000	12-31-18
Virginia	NELAP	3	460209	12-14-18

Laboratory: 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	03-31-18

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Burlington

Method T015

Volatile Organic Compounds (GC/MS)
by Method T015

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 28753-04.D
 Lab ID: LCS 200-125422/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	9.50	95	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.0	100	69-129	
1,1,2-Trichloroethane	10.0	9.47	95	69-129	
1,1-Dichloroethane	10.0	9.89	99	66-126	
1,1-Dichloroethene	10.0	8.71	87	67-127	
1,2,4-Trichlorobenzene	10.0	9.39	94	59-126	
1,2,4-Trimethylbenzene	10.0	9.54	95	65-125	
1,2-Dibromoethane	10.0	9.69	97	70-130	
1,2-Dichlorobenzene	10.0	9.53	95	67-127	
1,2-Dichloroethane	10.0	9.48	95	67-132	
1,2-Dichloropropane	10.0	9.42	94	67-127	
1,2-Dichlorotetrafluoroethane	10.0	10.6	106	78-138	
1,3,5-Trimethylbenzene	10.0	9.53	95	65-125	
1,3-Butadiene	10.0	9.44	94	59-125	
1,3-Dichlorobenzene	10.0	9.73	97	67-127	
1,4-Dichlorobenzene	10.0	9.66	97	66-126	
1,4-Dioxane	10.0	9.71	97	66-132	
2,2,4-Trimethylpentane	10.0	9.04	90	67-127	
2-Chlorotoluene	10.0	9.83	98	67-127	
3-Chloropropene	10.0	10.2	102	53-133	
4-Ethyltoluene	10.0	10.3	103	69-129	
Acetone	10.0	11.1	111	64-136	
Benzene	10.0	8.90	89	67-127	
Bromodichloromethane	10.0	10.2	102	69-129	
Bromoethene (Vinyl Bromide)	10.0	9.05	91	67-127	
Bromoform	10.0	12.7	127	34-170	
Bromomethane	10.0	9.15	91	68-128	
Carbon disulfide	10.0	11.3	113	81-141	
Carbon tetrachloride	10.0	9.85	99	62-143	
Chlorobenzene	10.0	9.08	91	68-128	
Chloroethane	10.0	9.61	96	65-125	
Chloroform	10.0	9.82	98	69-129	
Chloromethane	10.0	9.59	96	57-126	
cis-1,2-Dichloroethene	10.0	9.46	95	67-127	
cis-1,3-Dichloropropene	10.0	9.92	99	70-130	
Cyclohexane	10.0	9.29	93	69-129	
Dibromochloromethane	10.0	10.3	103	66-130	
Dichlorodifluoromethane	10.0	10.2	102	68-128	
Ethylbenzene	10.0	9.42	94	68-128	
Freon TF	10.0	9.27	93	68-128	
Hexachlorobutadiene	10.0	9.28	93	62-130	
Isopropyl alcohol	10.0	9.83	98	55-124	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 28753-04.D
 Lab ID: LCS 200-125422/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
m,p-Xylene	20.0	18.8	94	68-128	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.8	108	61-127	
Methyl Ethyl Ketone	10.0	10.5	105	62-122	
methyl isobutyl ketone	10.0	11.1	111	62-130	
Methyl tert-butyl ether	10.0	10.0	100	67-127	
Methylene Chloride	10.0	10.0	100	62-122	
n-Heptane	10.0	9.22	92	62-130	
n-Hexane	10.0	10.3	103	71-131	
Styrene	10.0	10.0	100	68-128	
tert-Butyl alcohol	10.0	10.3	103	64-124	
Tetrachloroethene	10.0	8.85	88	70-130	
Tetrahydrofuran	10.0	10.3	103	61-136	
Toluene	10.0	9.13	91	67-127	
trans-1,2-Dichloroethene	10.0	10.3	103	72-132	
trans-1,3-Dichloropropene	10.0	10.6	106	69-129	
Trichloroethene	10.0	8.81	88	68-128	
Trichlorofluoromethane	10.0	9.16	92	67-127	
Vinyl chloride	10.0	9.13	91	62-125	
Xylene, o-	10.0	9.28	93	67-127	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
SDG No.: _____
Lab File ID: 28753-05.D Lab Sample ID: MB 200-125422/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHG.i Date Analyzed: 01/15/2018 14:59
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-125422/4	28753-04.D	01/15/2018 14:09
1Q18 AS	200-41804-1	28753-08.D	01/15/2018 17:30
1Q18 LRP	200-41804-2	28753-09.D	01/15/2018 18:20

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Lab File ID: 28297-01.D BFB Injection Date: 12/11/2017
 Instrument ID: CHG.i BFB Injection Time: 17:08
 Analysis Batch No.: 124302

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.5
75	30.0 - 66.0% of mass 95	47.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 120.0% of mass 95	75.9
175	4.0 - 9.0 % of mass 174	5.4 (7.1) 1
176	93.0 - 101.0% of mass 174	74.6 (98.3) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-124302/3	28297-03.D	12/11/2017	18:36
	IC 200-124302/4	28297-04.D	12/11/2017	19:26
	IC 200-124302/6	28297-06.D	12/11/2017	21:07
	IC 200-124302/7	28297-07.D	12/11/2017	21:58
	ICIS 200-124302/8	28297-08.D	12/11/2017	22:48
	IC 200-124302/10	28297-10.D	12/12/2017	00:30
	IC 200-124302/11	28297-11.D	12/12/2017	01:20
	IC 200-124302/12	28297-12.D	12/12/2017	02:10
	ICV 200-124302/17	28297-17.D	12/12/2017	06:21

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Lab File ID: 28753-01.D BFB Injection Date: 01/15/2018
 Instrument ID: CHG.i BFB Injection Time: 11:42
 Analysis Batch No.: 125422

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.8
75	30.0 - 66.0% of mass 95	47.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 120.0% of mass 95	75.1
175	4.0 - 9.0 % of mass 174	5.3 (7.1) 1
176	93.0 - 101.0% of mass 174	73.9 (98.4) 1
177	5.0 - 9.0% of mass 176	4.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-125422/3	28753-03.D	01/15/2018	13:18
	LCS 200-125422/4	28753-04.D	01/15/2018	14:09
	MB 200-125422/5	28753-05.D	01/15/2018	14:59
1Q18 AS	200-41804-1	28753-08.D	01/15/2018	17:30
1Q18 LRP	200-41804-2	28753-09.D	01/15/2018	18:20

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

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Sample No.: ICIS 200-124302/8 Date Analyzed: 12/11/2017 22:48
 Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 28297-08.D Heated Purge: (Y/N) N
 Calibration ID: 38566

	BCM		DFBZ		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	307513	9.40	1458517	11.29	1225650	17.24	
UPPER LIMIT	430518	9.73	2041924	11.62	1715910	17.57	
LOWER LIMIT	184508	9.07	875110	10.96	735390	16.91	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-124302/17		289655	9.40	1495226	11.29	1351288	17.24

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Sample No.: CCVIS 200-125422/3 Date Analyzed: 01/15/2018 13:18
 Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 28753-03.D Heated Purge: (Y/N) N
 Calibration ID: 38566

	BCM		DFBZ		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	263890	9.38	1172894	11.27	1105010	17.21	
UPPER LIMIT	369446	9.71	1642052	11.60	1547014	17.54	
LOWER LIMIT	158334	9.05	703736	10.94	663006	16.88	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-125422/4		274512	9.37	1366688	11.25	1259481	17.21
MB 200-125422/5		257669	9.36	1287360	11.25	1197615	17.21
200-41804-1	1Q18 AS	254622	9.37	1230941	11.26	1100728	17.21
200-41804-2	1Q18 LRP	264476	9.37	1196903	11.25	1119743	17.21

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Client Sample ID: 1Q18 AS Lab Sample ID: 200-41804-1
 Matrix: Air Lab File ID: 28753-08.D
 Analysis Method: TO-15 Date Collected: 01/11/2018 09:45
 Sample wt/vol: 200 (mL) Date Analyzed: 01/15/2018 17:30
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 125422 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.50
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	2.3		0.40	0.40
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.20
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	5.0
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.20
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.50
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.20
67-64-1	Acetone	58.08	5.0	U	5.0	5.0
71-43-2	Benzene	78.11	0.20	U	0.20	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.20
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.20	U	0.20	0.20
75-25-2	Bromoform	252.75	0.20	U	0.20	0.20
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.20
75-15-0	Carbon disulfide	76.14	2.9		0.50	0.50
56-23-5	Carbon tetrachloride	153.81	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.20
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.50
67-66-3	Chloroform	119.38	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Client Sample ID: 1Q18 AS Lab Sample ID: 200-41804-1
 Matrix: Air Lab File ID: 28753-08.D
 Analysis Method: TO-15 Date Collected: 01/11/2018 09:45
 Sample wt/vol: 200 (mL) Date Analyzed: 01/15/2018 17:30
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 125422 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	2.0		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	2.3		0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.20
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.20
75-71-8	Dichlorodifluoromethane	120.91	0.50		0.50	0.50
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.20
76-13-1	Freon TF	187.38	0.20	U	0.20	0.20
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.20
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	5.0
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.50
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.50
78-93-3	Methyl Ethyl Ketone	72.11	0.96		0.50	0.50
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.50
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.20
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.50
142-82-5	n-Heptane	100.21	0.20	U	0.20	0.20
110-54-3	n-Hexane	86.17	0.20	U	0.20	0.20
100-42-5	Styrene	104.15	0.20	U	0.20	0.20
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	5.0
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	5.0
108-88-3	Toluene	92.14	0.36		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.20
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	0.23		0.20	0.20
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	106.17	0.70	U	0.70	0.70
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41804-1

SDG No.: _____

Client Sample ID: 1Q18 AS Lab Sample ID: 200-41804-1

Matrix: Air Lab File ID: 28753-08.D

Analysis Method: TO-15 Date Collected: 01/11/2018 09:45

Sample wt/vol: 200 (mL) Date Analyzed: 01/15/2018 17:30

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

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

Analysis Batch No.: 125422 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	1.1
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	1.4
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	1.1
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.81
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.79
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	3.7
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.98
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	1.5
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	1.2
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.81
540-59-0	1,2-Dichloroethene, Total	96.94	9.1		1.6	1.6
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.92
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	1.4
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.98
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	1.2
123-91-1	1,4-Dioxane	88.11	18	U	18	18
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.93
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	1.0
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	1.6
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.98
67-64-1	Acetone	58.08	12	U	12	12
71-43-2	Benzene	78.11	0.64	U	0.64	0.64
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87	0.87
75-25-2	Bromoform	252.75	2.1	U	2.1	2.1
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.78
75-15-0	Carbon disulfide	76.14	9.1		1.6	1.6
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	1.3
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.92
75-00-3	Chloroethane	64.52	1.3	U	1.3	1.3
67-66-3	Chloroform	119.38	0.98	U	0.98	0.98

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Client Sample ID: 1Q18 AS Lab Sample ID: 200-41804-1
 Matrix: Air Lab File ID: 28753-08.D
 Analysis Method: TO-15 Date Collected: 01/11/2018 09:45
 Sample wt/vol: 200 (mL) Date Analyzed: 01/15/2018 17:30
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 125422 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	4.1		1.0	1.0
156-59-2	cis-1,2-Dichloroethene	96.94	9.0		0.79	0.79
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.91
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.69
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	1.7
75-71-8	Dichlorodifluoromethane	120.91	2.5		2.5	2.5
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.87
76-13-1	Freon TF	187.38	1.5	U	1.5	1.5
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	2.1
67-63-0	Isopropyl alcohol	60.10	12	U	12	12
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	2.2
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	2.0
78-93-3	Methyl Ethyl Ketone	72.11	2.8		1.5	1.5
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	2.0
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.72
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	1.7
142-82-5	n-Heptane	100.21	0.82	U	0.82	0.82
110-54-3	n-Hexane	86.17	0.70	U	0.70	0.70
100-42-5	Styrene	104.15	0.85	U	0.85	0.85
75-65-0	tert-Butyl alcohol	74.12	15	U	15	15
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	1.4
109-99-9	Tetrahydrofuran	72.11	15	U	15	15
108-88-3	Toluene	92.14	1.4		0.75	0.75
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.79
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.91
79-01-6	Trichloroethene	131.39	1.1	U	1.1	1.1
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	1.1
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	0.51
1330-20-7	Xylene (total)	106.17	3.0	U	3.0	3.0
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.87

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-08.D
 Lims ID: 200-41804-A-1
 Client ID: 1Q18 AS
 Sample Type: Client
 Inject. Date: 15-Jan-2018 17:30:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0028753-008
 Misc. Info.: 41804-01
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Jan-2018 09:27:27 Calib Date: 12-Dec-2017 02:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: puangmaleek

Date: 16-Jan-2018 09:27:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.181	3.170	0.021	99	43220	0.5021	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.374				ND	
5 Chloromethane	50	3.508	3.489	0.017	99	34466	1.97	
7 Vinyl chloride	62	3.700	3.674	0.021	96	3611	0.1652	
8 Butadiene	54		3.738				ND	
10 Bromomethane	94		4.283				ND	
11 Chloroethane	64	4.481	4.455	0.021	95	2612	0.3216	
13 Vinyl bromide	106		4.775				ND	
14 Trichlorofluoromethane	101	4.866	4.845	0.016	98	18433	0.2330	
20 1,1,2-Trichloro-1,2,2-trif	101	5.738	5.716	0.016	92	3764	0.0751	
21 1,1-Dichloroethene	96		5.781				ND	
22 Acetone	43	6.022	6.027	0.022	100	107052	4.67	
23 Carbon disulfide	76	6.156	6.138	0.011	100	155112	2.93	
24 Isopropyl alcohol	45	6.279	6.223	0.049	99	10968	0.4999	
25 3-Chloro-1-propene	41		6.455				ND	
27 Methylene Chloride	49	6.723	6.704	0.011	88	2348	0.1157	
28 2-Methyl-2-propanol	59	6.963	6.913	0.042	72	3823	0.1132	
29 Methyl tert-butyl ether	73		7.092				ND	
31 trans-1,2-Dichloroethene	61		7.103				ND	
33 Hexane	57		7.445				ND	
34 1,1-Dichloroethane	63		7.905				ND	
37 cis-1,2-Dichloroethene	96	8.927	8.917	0.000	94	57655	2.28	
38 2-Butanone (MEK)	72	9.018	8.986	0.022	100	7315	0.9613	
* 40 Chlorobromomethane	128	9.371	9.365	0.006	78	254622	10.0	
41 Tetrahydrofuran	42	9.451	9.398	0.048	79	5698	0.3538	
42 Chloroform	83		9.478				ND	
S 30 1,2-Dichloroethene, Total	61				0		2.28	
43 Cyclohexane	84	9.724	9.719	0.000	74	1030	0.0363	
44 1,1,1-Trichloroethane	97		9.751				ND	
45 Carbon tetrachloride	117	9.997	9.981	0.011	83	5424	0.0724	
46 Isooctane	57	10.398	10.393	0.000	91	14504	0.1408	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
47 Benzene	78	10.446	10.452	0.005	97	12084	0.1614	
48 1,2-Dichloroethane	62		10.623				ND	
49 n-Heptane	43	10.783	10.767	0.011	86	3840	0.0994	
* 50 1,4-Difluorobenzene	114	11.259	11.254	0.005	95	1230941	10.0	
53 Trichloroethene	95	11.714	11.714	-0.005	59	3881	0.0815	
54 1,2-Dichloropropane	63		12.270				ND	
56 1,4-Dioxane	88	12.549	12.510	0.033	95	15711	1.12	
58 Dichlorobromomethane	83		12.805				ND	
60 cis-1,3-Dichloropropene	75		13.725				ND	
61 4-Methyl-2-pentanone (MIBK)	43		14.036				ND	
65 Toluene	92	14.314	14.309	0.005	94	20897	0.3606	
66 trans-1,3-Dichloropropene	75		14.908				ND	
67 1,1,2-Trichloroethane	83		15.277				ND	
68 Tetrachloroethene	166	15.384	15.384	0.011	75	2258	0.0355	M
69 2-Hexanone	43	15.774	15.758	0.016	92	5222	0.1168	
71 Chlorodibromomethane	129		16.037				ND	
72 Ethylene Dibromide	107		16.304				ND	
* 74 Chlorobenzene-d5	117	17.208	17.208	0.000	88	1100728	10.0	
75 Chlorobenzene	112		17.272				ND	
76 Ethylbenzene	91	17.427	17.427	0.000	98	10620	0.0872	
78 m-Xylene & p-Xylene	106	17.679	17.684	-0.005	0	9870	0.2044	
79 o-Xylene	106	18.535	18.535	0.000	97	3828	0.0777	
80 Styrene	104		18.594				ND	
81 Bromoform	173		19.038				ND	
S 73 Xylenes, Total	106				0		0.2820	
84 1,1,2,2-Tetrachloroethane	83		19.985				ND	
88 4-Ethyltoluene	105	20.247	20.252	-0.005	62	3287	0.0262	
89 2-Chlorotoluene	91		20.252				ND	
90 1,3,5-Trimethylbenzene	105	20.364	20.364	-0.006	53	3924	0.0350	M
93 1,2,4-Trimethylbenzene	105	20.980	20.980	0.000	98	10149	0.0907	
96 1,3-Dichlorobenzene	146	21.445	21.450	-0.005	96	6864	0.0806	
97 1,4-Dichlorobenzene	146	21.590	21.589	0.000	78	1321	0.0156	
101 1,2-Dichlorobenzene	146		22.124				ND	
103 1,2,4-Trichlorobenzene	180		24.559				ND	
104 Hexachlorobutadiene	225		24.740				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15GIS_00015

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-08.D

Injection Date: 15-Jan-2018 17:30:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-41804-A-1

Lab Sample ID: 200-41804-1

Worklist Smp#: 8

Client ID: 1Q18 AS

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

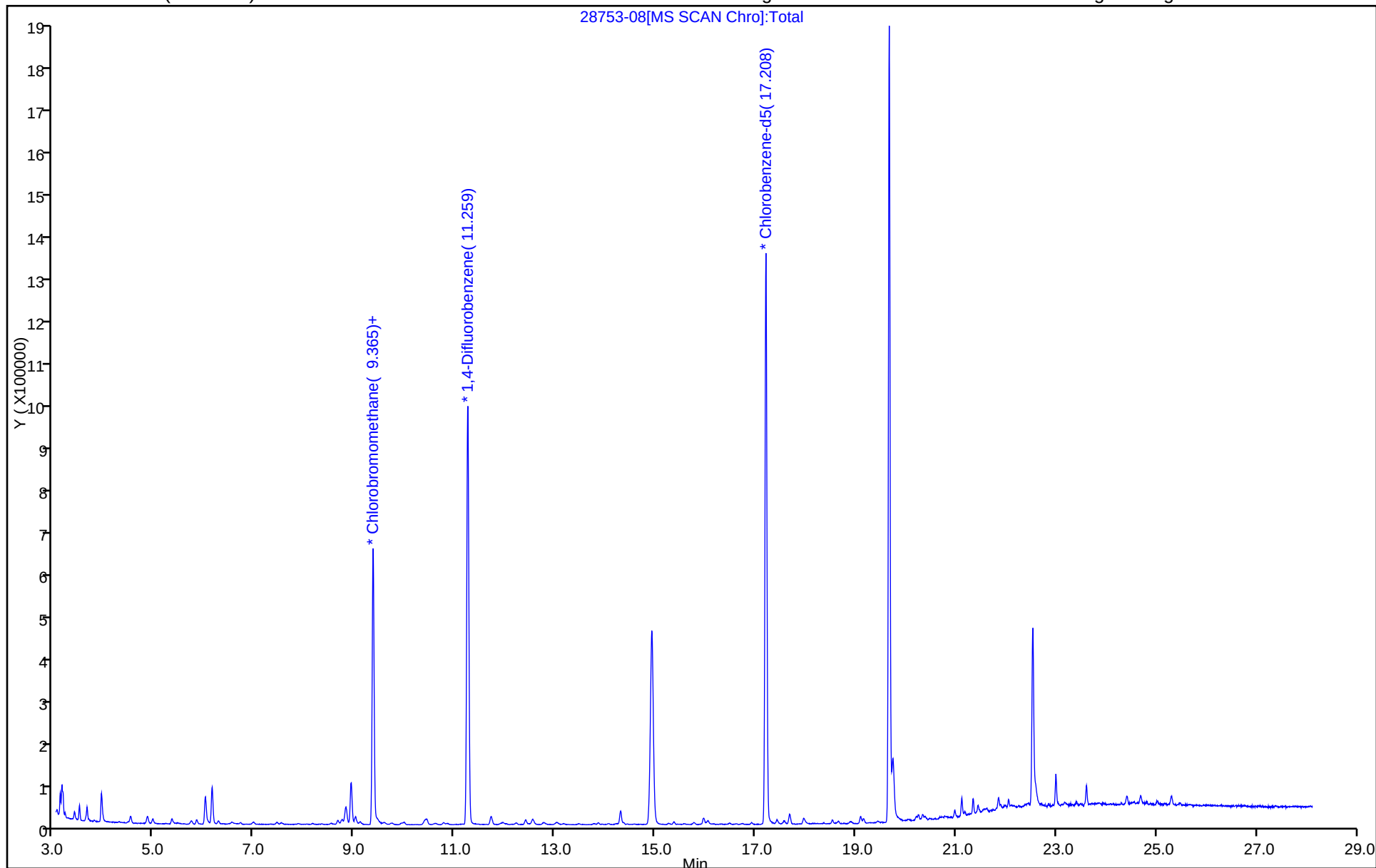
ALS Bottle#: 7

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-08.D

Injection Date: 15-Jan-2018 17:30:30

Instrument ID: CHG.i

Lims ID: 200-41804-A-1

Lab Sample ID: 200-41804-1

Client ID: 1Q18 AS

Operator ID: vtp

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 200.000 mL

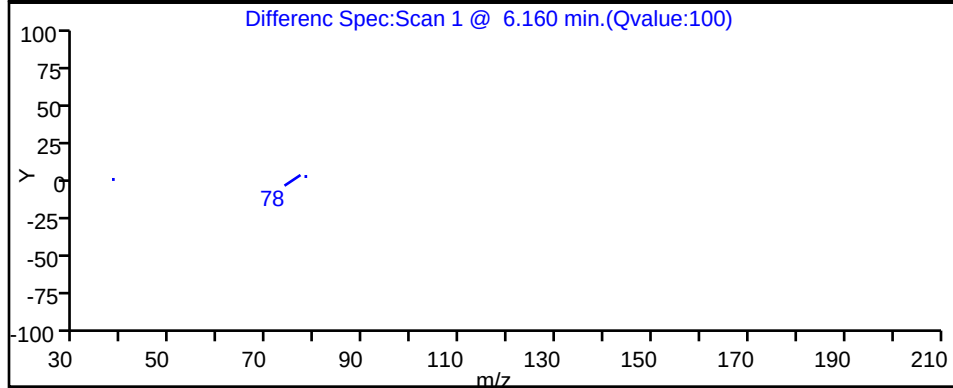
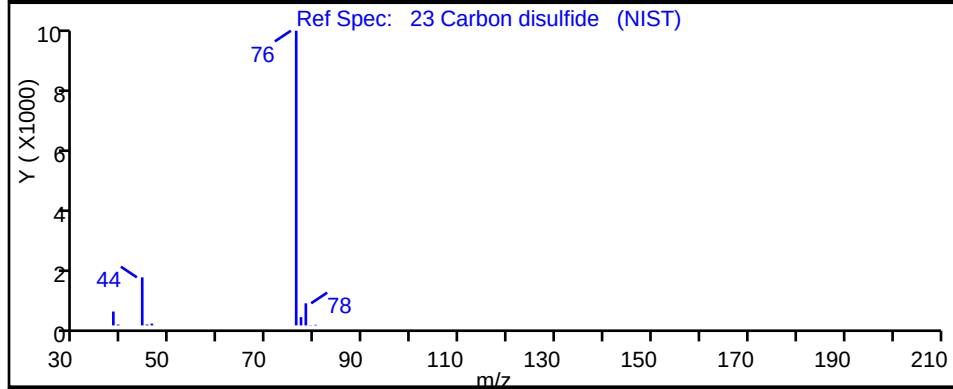
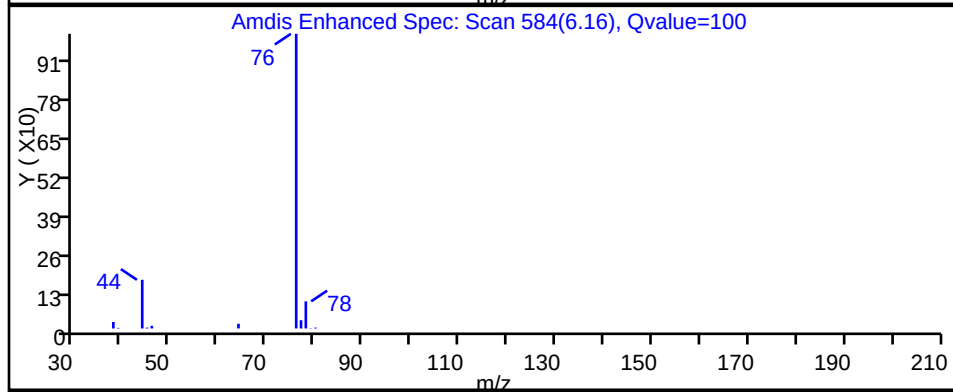
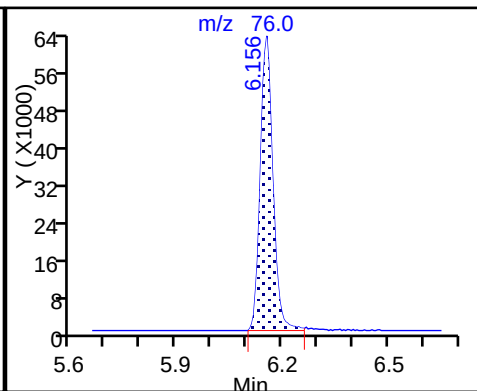
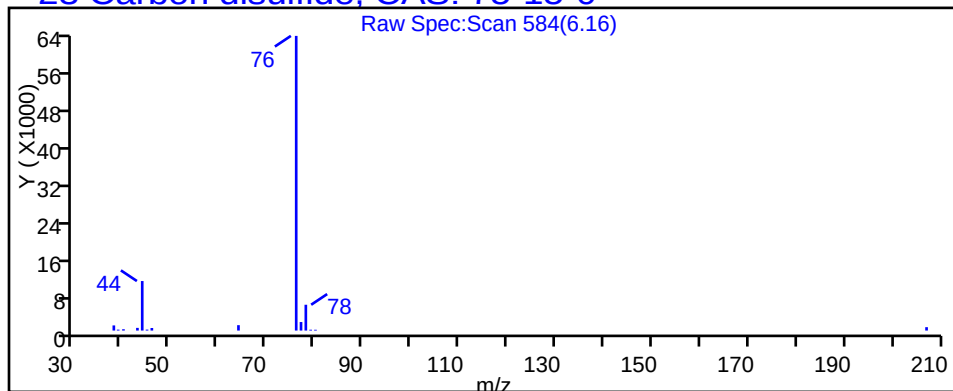
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

23 Carbon disulfide, CAS: 75-15-0

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-08.D

Injection Date: 15-Jan-2018 17:30:30

Instrument ID: CHG.i

Lims ID: 200-41804-A-1

Lab Sample ID: 200-41804-1

Client ID: 1Q18 AS

Operator ID: vtp

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 200.000 mL

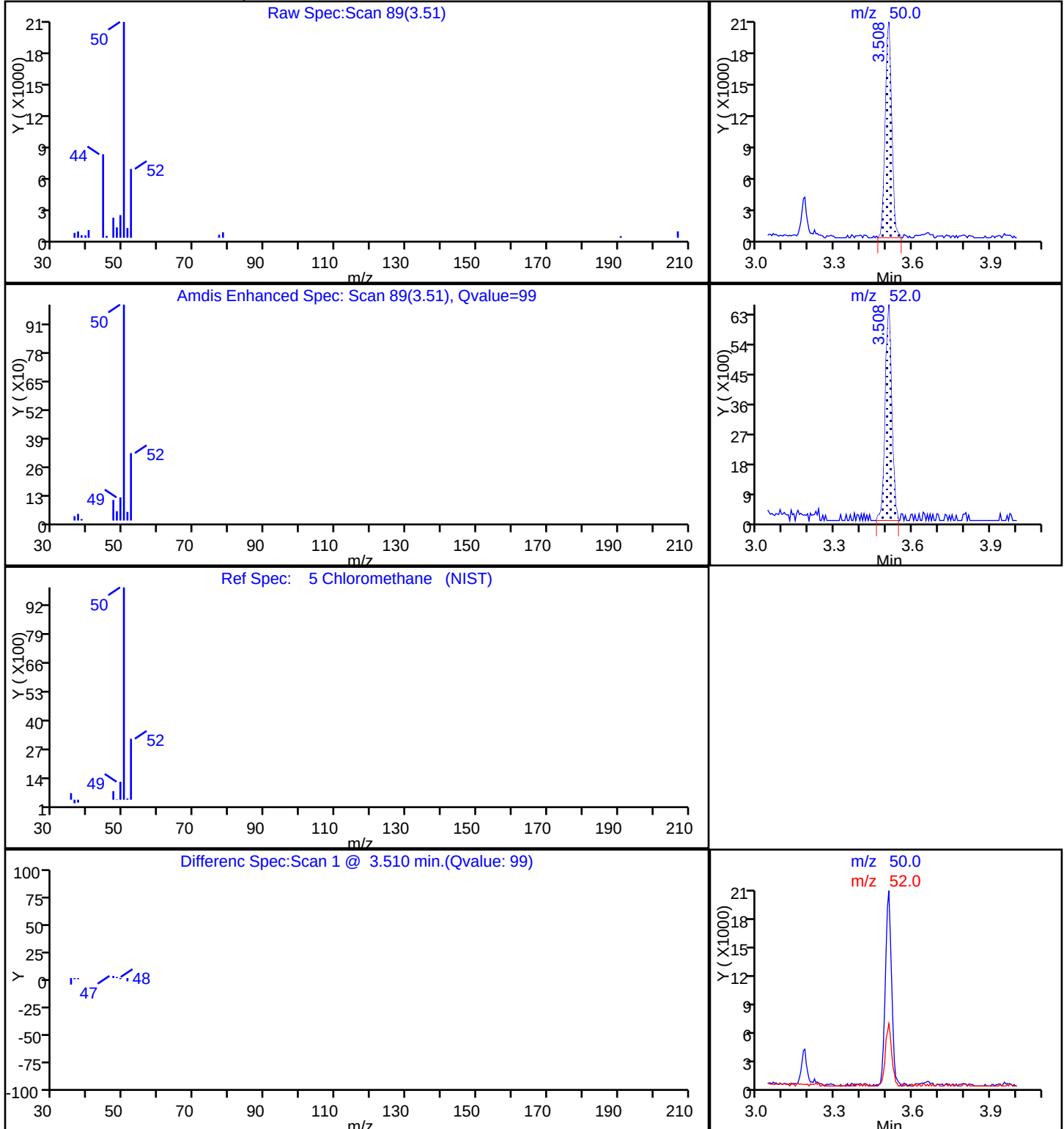
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-08.D

Injection Date: 15-Jan-2018 17:30:30

Instrument ID: CHG.i

Lims ID: 200-41804-A-1

Lab Sample ID: 200-41804-1

Client ID: 1Q18 AS

Operator ID: vtp

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 200.000 mL

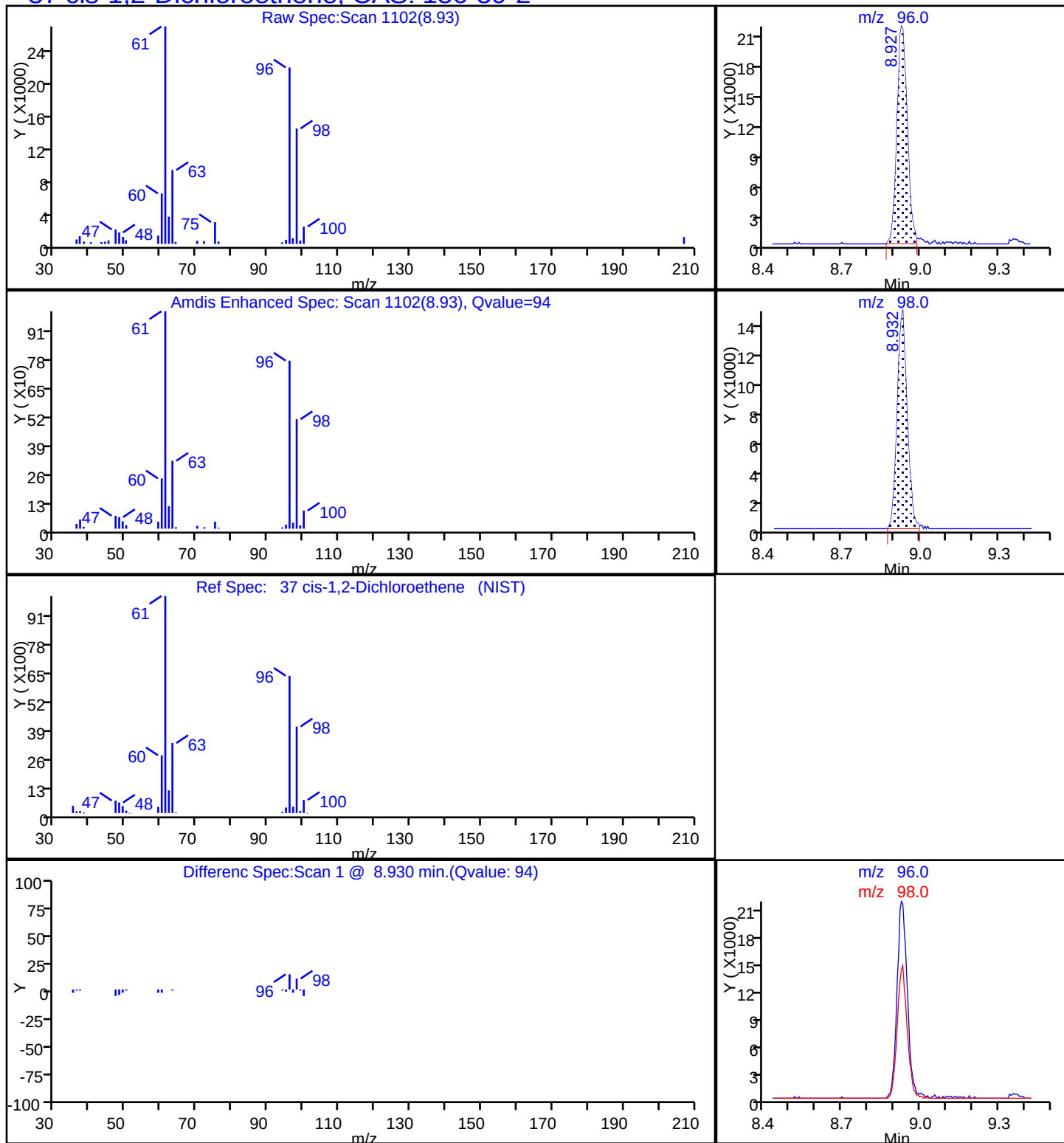
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

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

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHG.i\\20180115-28753.b\\28753-08.D

Injection Date: 15-Jan-2018 17:30:30

Instrument ID: CHG.i

Lims ID: 200-41804-A-1

Lab Sample ID: 200-41804-1

Client ID: 1Q18 AS

Operator ID: vtp

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 200.000 mL

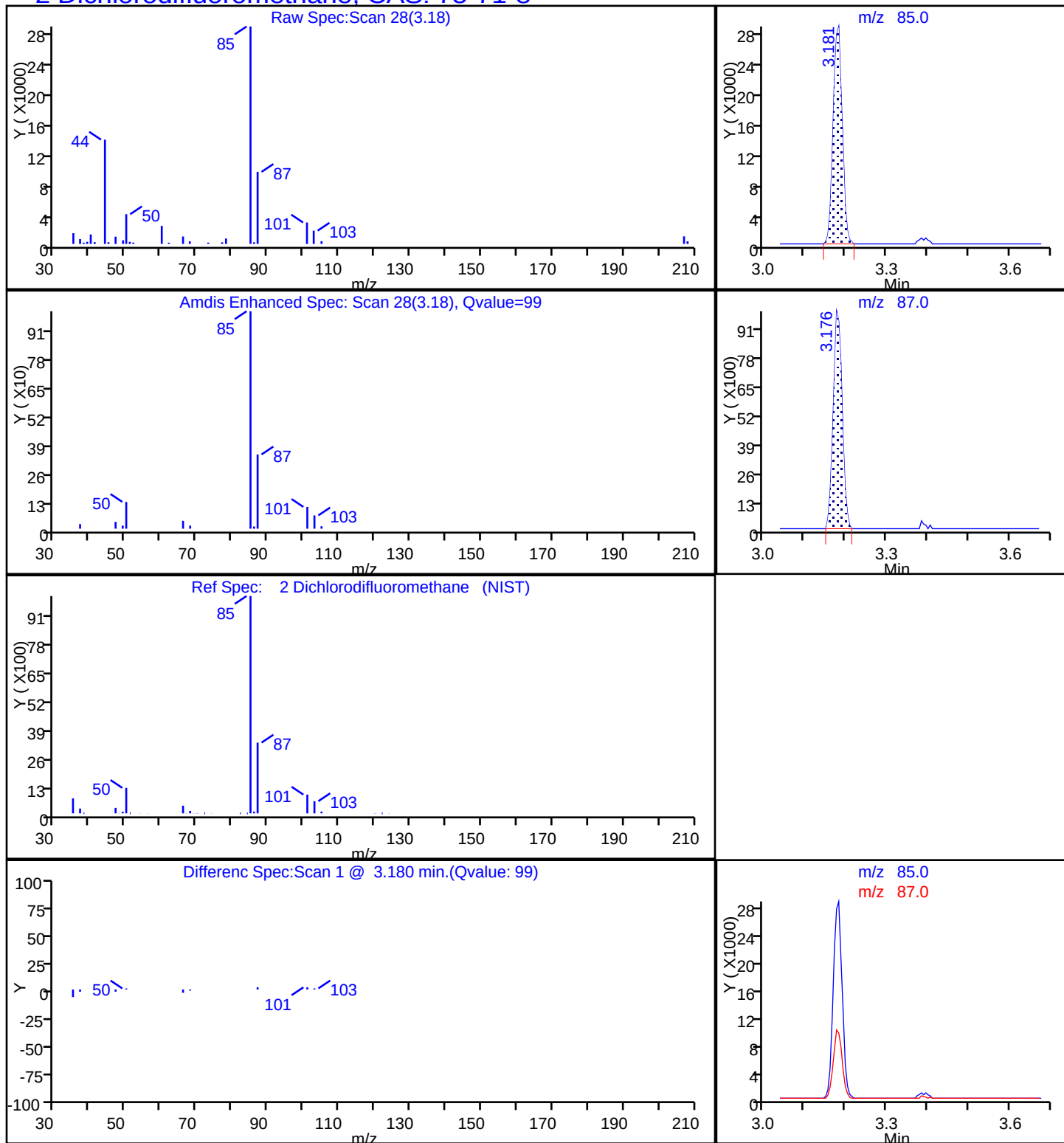
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHG.i\\20180115-28753.b\\28753-08.D

Injection Date: 15-Jan-2018 17:30:30

Instrument ID: CHG.i

Lims ID: 200-41804-A-1

Lab Sample ID: 200-41804-1

Client ID: 1Q18 AS

Operator ID: vtp

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 200.000 mL

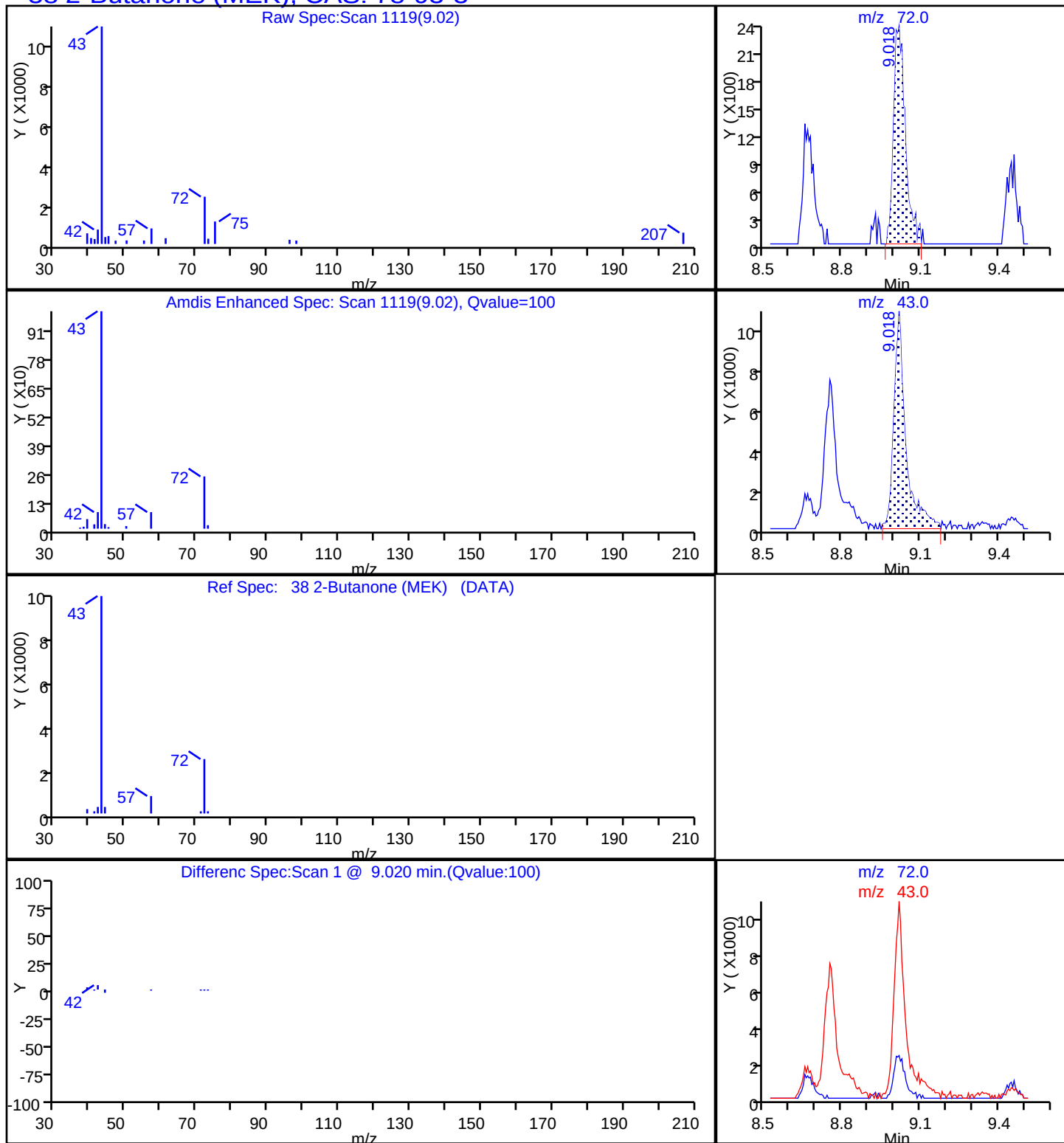
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

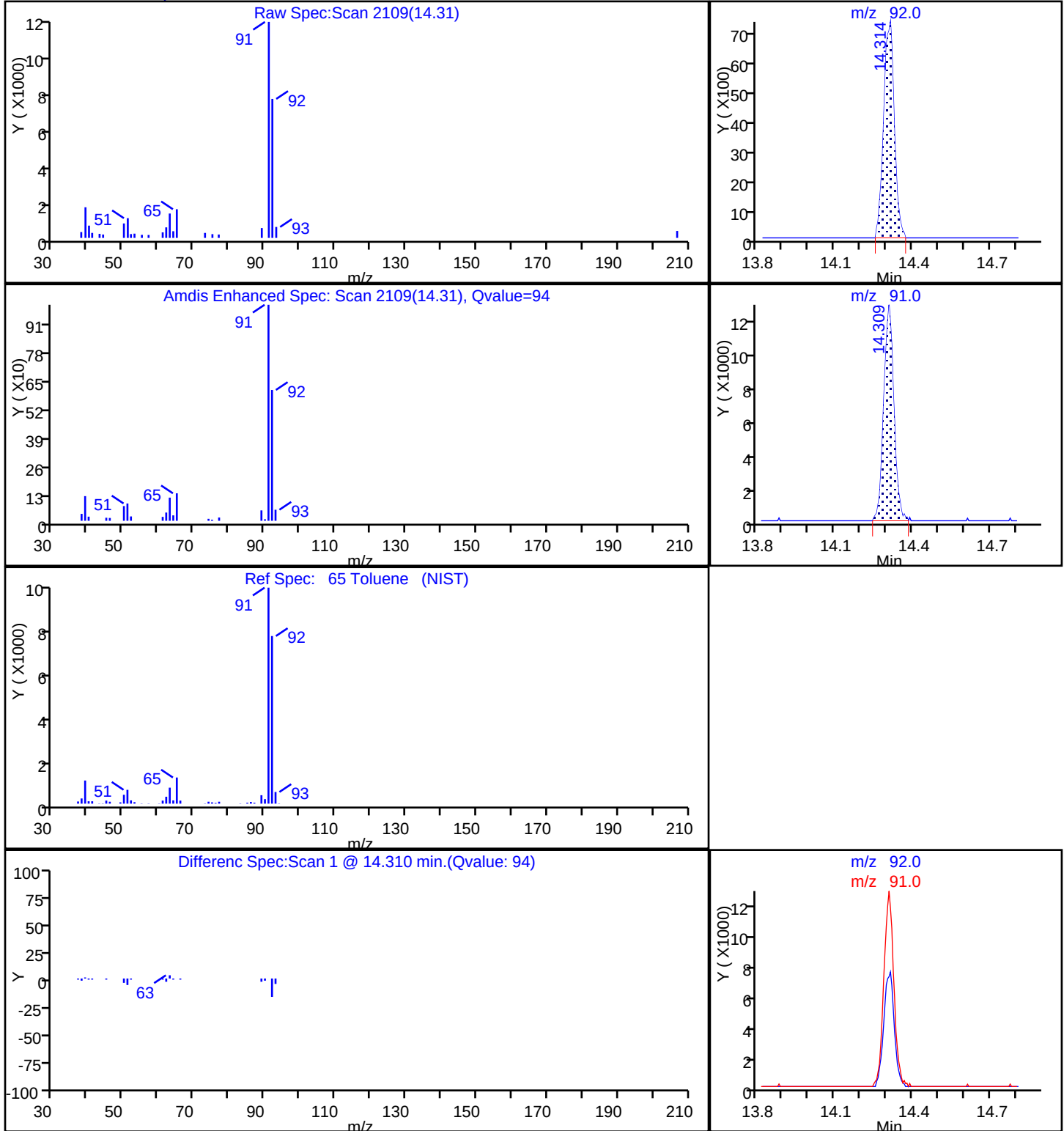
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

38 2-Butanone (MEK), CAS: 78-93-3

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-08.D
Injection Date: 15-Jan-2018 17:30:30 Instrument ID: CHG.i
Lims ID: 200-41804-A-1 Lab Sample ID: 200-41804-1
Client ID: 1Q18 AS
Operator ID: vtp ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

65 Toluene, CAS: 108-88-3

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-08.D

Injection Date: 15-Jan-2018 17:30:30

Instrument ID: CHG.i

Lims ID: 200-41804-A-1

Lab Sample ID: 200-41804-1

Client ID: 1Q18 AS

Operator ID: vtp

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 200.000 mL

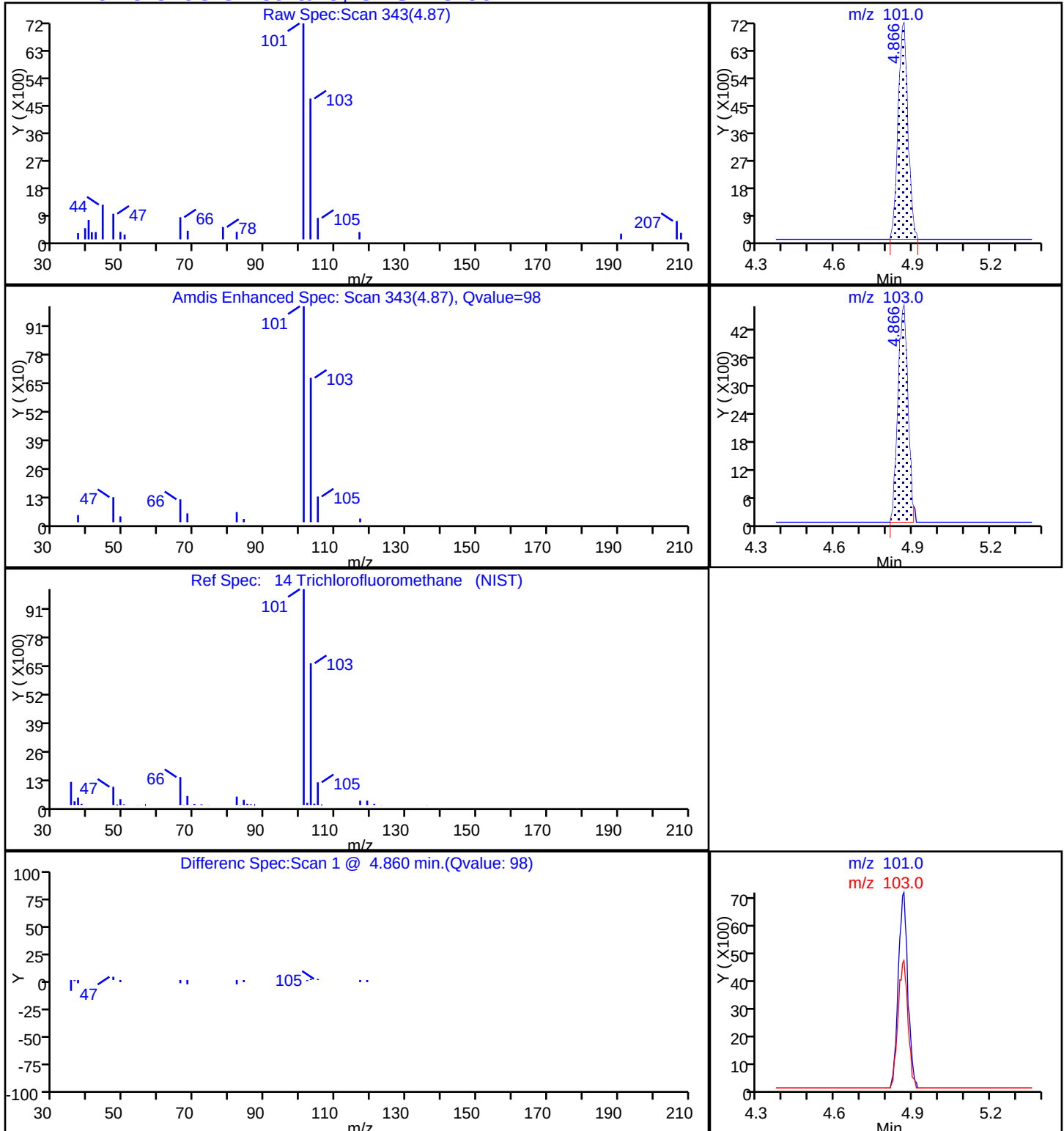
Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

TestAmerica Burlington

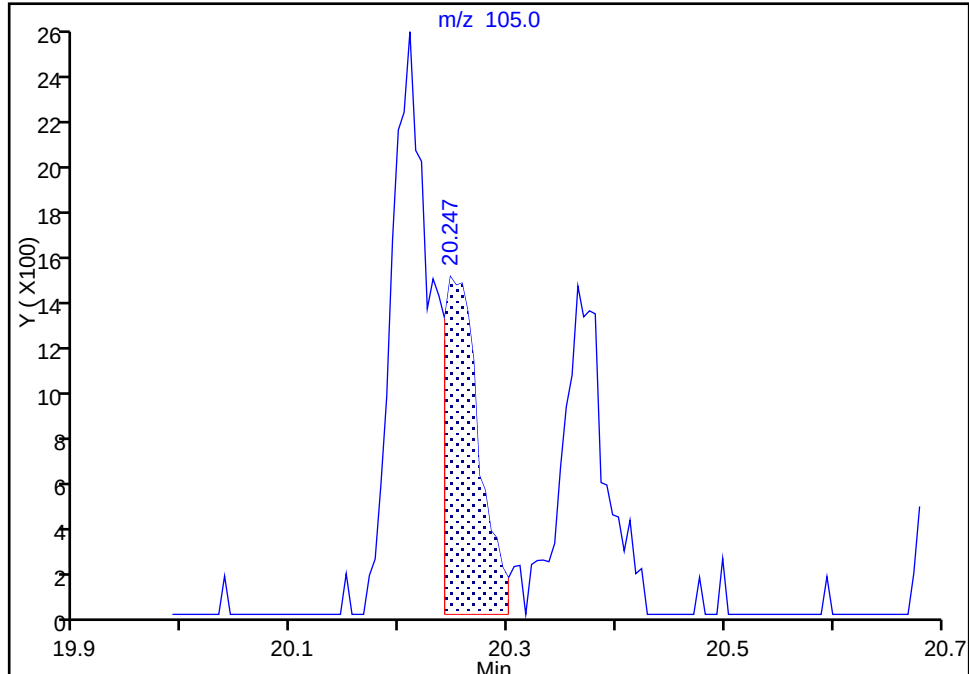
Data File:	\\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-08.D		
Injection Date:	15-Jan-2018 17:30:30	Instrument ID:	CHG.i
Lims ID:	200-41804-A-1	Lab Sample ID:	200-41804-1
Client ID:	1Q18 AS		
Operator ID:	vtp	ALS Bottle#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	8

90 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

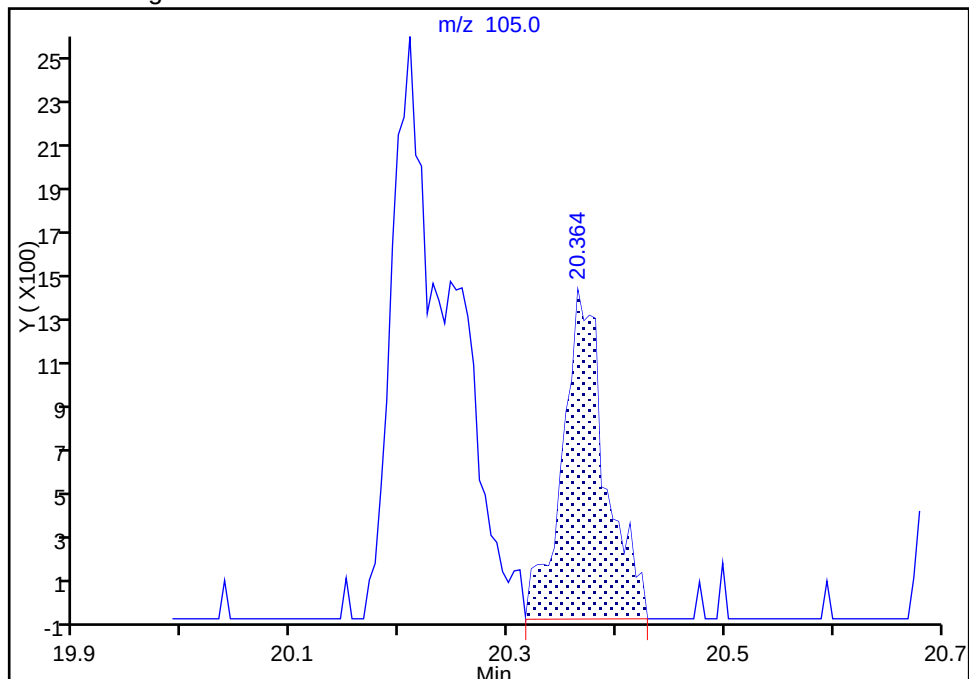
RT: 20.25
Area: 3287
Amount: 0.029279
Amount Units: ppb v/v

Processing Integration Results



RT: 20.36
Area: 3924
Amount: 0.034953
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 16-Jan-2018 09:26:44

Audit Action: Assigned Compound ID

Audit Reason: Assign Peak

TestAmerica Burlington

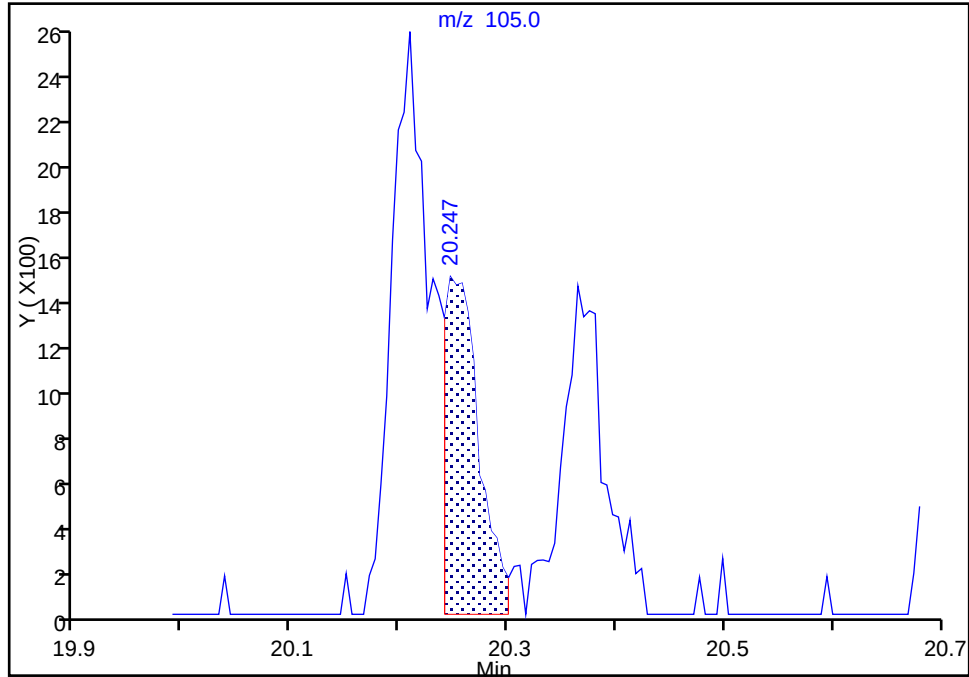
Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-08.D
Injection Date: 15-Jan-2018 17:30:30 Instrument ID: CHG.i
Lims ID: 200-41804-A-1 Lab Sample ID: 200-41804-1
Client ID: 1Q18 AS
Operator ID: vtp ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

90 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

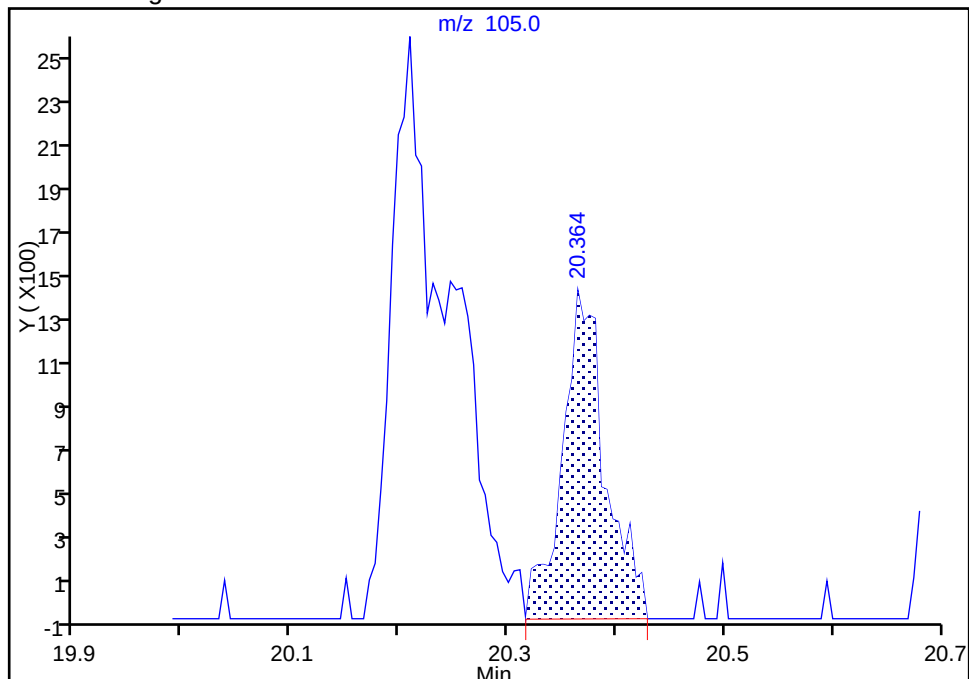
RT: 20.25
Area: 3287
Amount: 0.029279
Amount Units: ppb v/v

Processing Integration Results



RT: 20.36
Area: 3924
Amount: 0.034953
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 16-Jan-2018 09:26:50

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Burlington

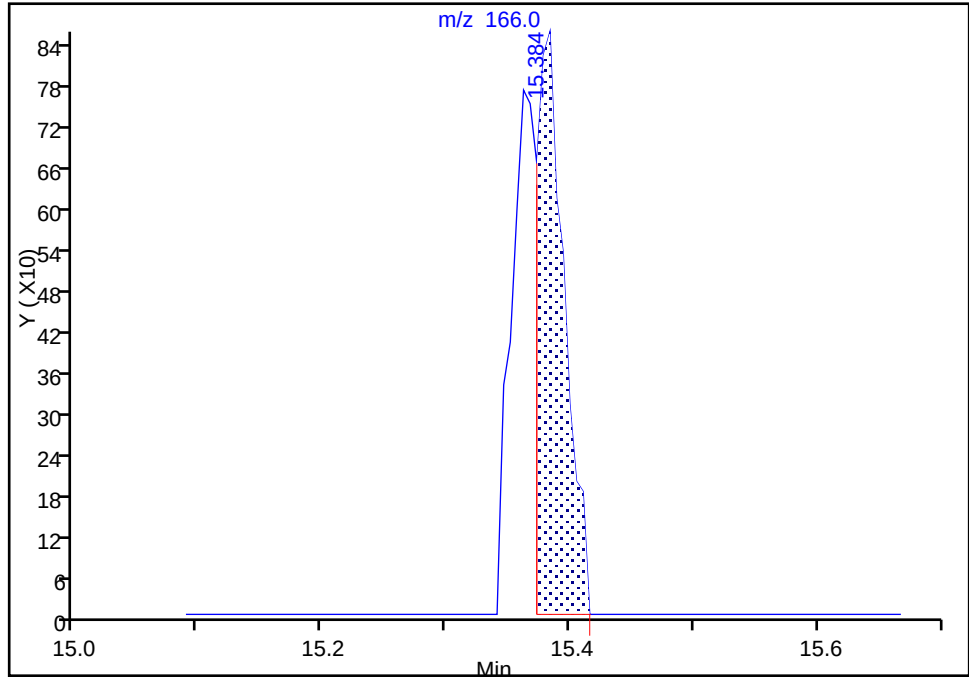
Data File:	\\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-08.D		
Injection Date:	15-Jan-2018 17:30:30	Instrument ID:	CHG.i
Lims ID:	200-41804-A-1	Lab Sample ID:	200-41804-1
Client ID:	1Q18 AS		
Operator ID:	vtp	ALS Bottle#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	8

68 Tetrachloroethene, CAS: 127-18-4

Signal: 1

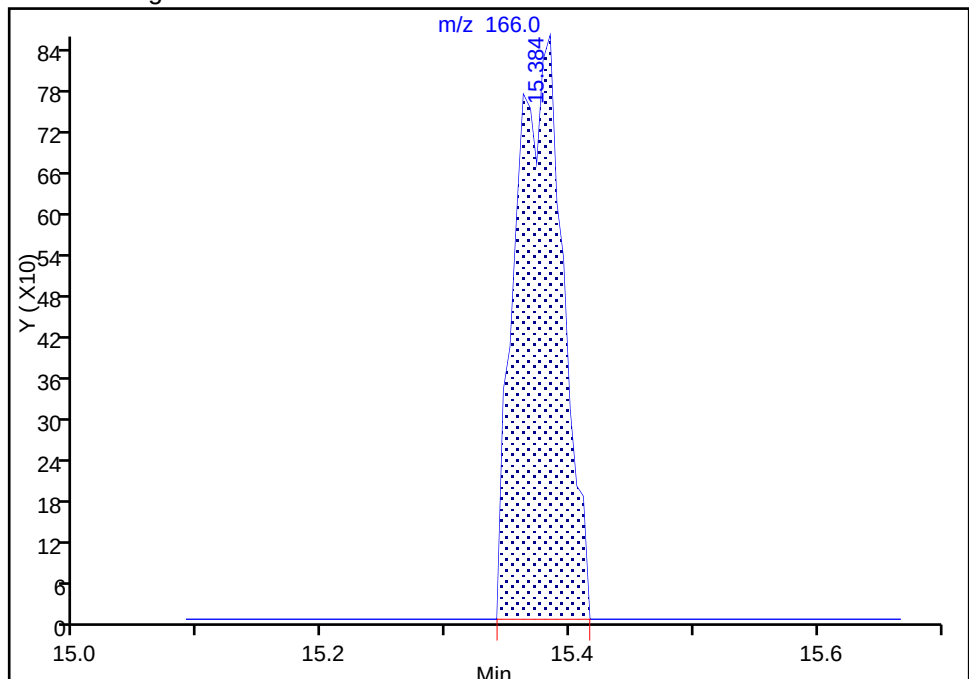
RT: 15.38
Area: 1340
Amount: 0.021073
Amount Units: ppb v/v

Processing Integration Results



RT: 15.38
Area: 2258
Amount: 0.035510
Amount Units: ppb v/v

Manual Integration Results



Reviewer: puangmaleek, 16-Jan-2018 09:26:13

Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Client Sample ID: 1Q18 LRP Lab Sample ID: 200-41804-2
 Matrix: Air Lab File ID: 28753-09.D
 Analysis Method: TO-15 Date Collected: 01/11/2018 10:00
 Sample wt/vol: 27(mL) Date Analyzed: 01/15/2018 18:20
 Soil Aliquot Vol: _____ Dilution Factor: 28
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 125422 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	5.6	U	5.6	5.6
79-34-5	1,1,2,2-Tetrachloroethane	167.85	5.6	U	5.6	5.6
79-00-5	1,1,2-Trichloroethane	133.41	5.6	U	5.6	5.6
75-34-3	1,1-Dichloroethane	98.96	5.8		5.6	5.6
75-35-4	1,1-Dichloroethene	96.94	5.6	U	5.6	5.6
120-82-1	1,2,4-Trichlorobenzene	181.45	14	U	14	14
95-63-6	1,2,4-Trimethylbenzene	120.20	5.6	U	5.6	5.6
106-93-4	1,2-Dibromoethane	187.87	5.6	U	5.6	5.6
95-50-1	1,2-Dichlorobenzene	147.00	5.6	U	5.6	5.6
107-06-2	1,2-Dichloroethane	98.96	5.6	U	5.6	5.6
540-59-0	1,2-Dichloroethene, Total	96.94	690		11	11
78-87-5	1,2-Dichloropropane	112.99	5.6	U	5.6	5.6
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	5.6	U	5.6	5.6
108-67-8	1,3,5-Trimethylbenzene	120.20	5.6	U	5.6	5.6
106-99-0	1,3-Butadiene	54.09	5.6	U	5.6	5.6
541-73-1	1,3-Dichlorobenzene	147.00	5.6	U	5.6	5.6
106-46-7	1,4-Dichlorobenzene	147.00	5.6	U	5.6	5.6
123-91-1	1,4-Dioxane	88.11	140	U	140	140
540-84-1	2,2,4-Trimethylpentane	114.23	5.6	U	5.6	5.6
95-49-8	2-Chlorotoluene	126.59	5.6	U	5.6	5.6
107-05-1	3-Chloropropene	76.53	14	U	14	14
622-96-8	4-Ethyltoluene	120.20	5.6	U	5.6	5.6
67-64-1	Acetone	58.08	140	U	140	140
71-43-2	Benzene	78.11	5.6	U	5.6	5.6
75-27-4	Bromodichloromethane	163.83	5.6	U	5.6	5.6
593-60-2	Bromoethene (Vinyl Bromide)	106.96	5.6	U	5.6	5.6
75-25-2	Bromoform	252.75	5.6	U	5.6	5.6
74-83-9	Bromomethane	94.94	5.6	U	5.6	5.6
75-15-0	Carbon disulfide	76.14	14	U	14	14
56-23-5	Carbon tetrachloride	153.81	5.6	U	5.6	5.6
108-90-7	Chlorobenzene	112.56	5.6	U	5.6	5.6
75-00-3	Chloroethane	64.52	14	U	14	14
67-66-3	Chloroform	119.38	5.6	U	5.6	5.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Client Sample ID: 1Q18 LRP Lab Sample ID: 200-41804-2
 Matrix: Air Lab File ID: 28753-09.D
 Analysis Method: TO-15 Date Collected: 01/11/2018 10:00
 Sample wt/vol: 27(mL) Date Analyzed: 01/15/2018 18:20
 Soil Aliquot Vol: _____ Dilution Factor: 28
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 125422 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	14	U	14	14
156-59-2	cis-1,2-Dichloroethene	96.94	690		5.6	5.6
10061-01-5	cis-1,3-Dichloropropene	110.97	5.6	U	5.6	5.6
110-82-7	Cyclohexane	84.16	5.6	U	5.6	5.6
124-48-1	Dibromochloromethane	208.29	5.6	U	5.6	5.6
75-71-8	Dichlorodifluoromethane	120.91	14	U	14	14
100-41-4	Ethylbenzene	106.17	5.6	U	5.6	5.6
76-13-1	Freon TF	187.38	5.6	U	5.6	5.6
87-68-3	Hexachlorobutadiene	260.76	5.6	U	5.6	5.6
67-63-0	Isopropyl alcohol	60.10	140	U	140	140
179601-23-1	m,p-Xylene	106.17	14	U	14	14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	14	U	14	14
78-93-3	Methyl Ethyl Ketone	72.11	14	U	14	14
108-10-1	methyl isobutyl ketone	100.16	14	U	14	14
1634-04-4	Methyl tert-butyl ether	88.15	5.6	U	5.6	5.6
75-09-2	Methylene Chloride	84.93	14	U	14	14
142-82-5	n-Heptane	100.21	5.6	U	5.6	5.6
110-54-3	n-Hexane	86.17	5.6	U	5.6	5.6
100-42-5	Styrene	104.15	5.6	U	5.6	5.6
75-65-0	tert-Butyl alcohol	74.12	140	U	140	140
127-18-4	Tetrachloroethene	165.83	5.6	U	5.6	5.6
109-99-9	Tetrahydrofuran	72.11	140	U	140	140
108-88-3	Toluene	92.14	5.6	U	5.6	5.6
156-60-5	trans-1,2-Dichloroethene	96.94	5.6	U	5.6	5.6
10061-02-6	trans-1,3-Dichloropropene	110.97	5.6	U	5.6	5.6
79-01-6	Trichloroethene	131.39	14		5.6	5.6
75-69-4	Trichlorofluoromethane	137.37	5.6	U	5.6	5.6
75-01-4	Vinyl chloride	62.50	470		5.6	5.6
1330-20-7	Xylene (total)	106.17	20	U	20	20
95-47-6	Xylene, o-	106.17	5.6	U	5.6	5.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Client Sample ID: 1Q18 LRP Lab Sample ID: 200-41804-2
 Matrix: Air Lab File ID: 28753-09.D
 Analysis Method: TO-15 Date Collected: 01/11/2018 10:00
 Sample wt/vol: 27(mL) Date Analyzed: 01/15/2018 18:20
 Soil Aliquot Vol: _____ Dilution Factor: 28
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 125422 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	31	U	31	31
79-34-5	1,1,2,2-Tetrachloroethane	167.85	38	U	38	38
79-00-5	1,1,2-Trichloroethane	133.41	31	U	31	31
75-34-3	1,1-Dichloroethane	98.96	24		23	23
75-35-4	1,1-Dichloroethene	96.94	22	U	22	22
120-82-1	1,2,4-Trichlorobenzene	181.45	100	U	100	100
95-63-6	1,2,4-Trimethylbenzene	120.20	28	U	28	28
106-93-4	1,2-Dibromoethane	187.87	43	U	43	43
95-50-1	1,2-Dichlorobenzene	147.00	34	U	34	34
107-06-2	1,2-Dichloroethane	98.96	23	U	23	23
540-59-0	1,2-Dichloroethene, Total	96.94	2700		44	44
78-87-5	1,2-Dichloropropane	112.99	26	U	26	26
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	39	U	39	39
108-67-8	1,3,5-Trimethylbenzene	120.20	28	U	28	28
106-99-0	1,3-Butadiene	54.09	12	U	12	12
541-73-1	1,3-Dichlorobenzene	147.00	34	U	34	34
106-46-7	1,4-Dichlorobenzene	147.00	34	U	34	34
123-91-1	1,4-Dioxane	88.11	500	U	500	500
540-84-1	2,2,4-Trimethylpentane	114.23	26	U	26	26
95-49-8	2-Chlorotoluene	126.59	29	U	29	29
107-05-1	3-Chloropropene	76.53	44	U	44	44
622-96-8	4-Ethyltoluene	120.20	28	U	28	28
67-64-1	Acetone	58.08	330	U	330	330
71-43-2	Benzene	78.11	18	U	18	18
75-27-4	Bromodichloromethane	163.83	38	U	38	38
593-60-2	Bromoethene (Vinyl Bromide)	106.96	24	U	24	24
75-25-2	Bromoform	252.75	58	U	58	58
74-83-9	Bromomethane	94.94	22	U	22	22
75-15-0	Carbon disulfide	76.14	44	U	44	44
56-23-5	Carbon tetrachloride	153.81	35	U	35	35
108-90-7	Chlorobenzene	112.56	26	U	26	26
75-00-3	Chloroethane	64.52	37	U	37	37
67-66-3	Chloroform	119.38	27	U	27	27

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Client Sample ID: 1Q18 LRP Lab Sample ID: 200-41804-2
 Matrix: Air Lab File ID: 28753-09.D
 Analysis Method: TO-15 Date Collected: 01/11/2018 10:00
 Sample wt/vol: 27(mL) Date Analyzed: 01/15/2018 18:20
 Soil Aliquot Vol: _____ Dilution Factor: 28
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 125422 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	29	U	29	29
156-59-2	cis-1,2-Dichloroethene	96.94	2800		22	22
10061-01-5	cis-1,3-Dichloropropene	110.97	25	U	25	25
110-82-7	Cyclohexane	84.16	19	U	19	19
124-48-1	Dibromochloromethane	208.29	48	U	48	48
75-71-8	Dichlorodifluoromethane	120.91	69	U	69	69
100-41-4	Ethylbenzene	106.17	24	U	24	24
76-13-1	Freon TF	187.38	43	U	43	43
87-68-3	Hexachlorobutadiene	260.76	60	U	60	60
67-63-0	Isopropyl alcohol	60.10	340	U	340	340
179601-23-1	m,p-Xylene	106.17	61	U	61	61
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	57	U	57	57
78-93-3	Methyl Ethyl Ketone	72.11	41	U	41	41
108-10-1	methyl isobutyl ketone	100.16	57	U	57	57
1634-04-4	Methyl tert-butyl ether	88.15	20	U	20	20
75-09-2	Methylene Chloride	84.93	49	U	49	49
142-82-5	n-Heptane	100.21	23	U	23	23
110-54-3	n-Hexane	86.17	20	U	20	20
100-42-5	Styrene	104.15	24	U	24	24
75-65-0	tert-Butyl alcohol	74.12	420	U	420	420
127-18-4	Tetrachloroethene	165.83	38	U	38	38
109-99-9	Tetrahydrofuran	72.11	410	U	410	410
108-88-3	Toluene	92.14	21	U	21	21
156-60-5	trans-1,2-Dichloroethene	96.94	22	U	22	22
10061-02-6	trans-1,3-Dichloropropene	110.97	25	U	25	25
79-01-6	Trichloroethene	131.39	75		30	30
75-69-4	Trichlorofluoromethane	137.37	31	U	31	31
75-01-4	Vinyl chloride	62.50	1200		14	14
1330-20-7	Xylene (total)	106.17	85	U	85	85
95-47-6	Xylene, o-	106.17	24	U	24	24

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-09.D
 Lims ID: 200-41804-A-2
 Client ID: 1Q18 LRP
 Sample Type: Client
 Inject. Date: 15-Jan-2018 18:20:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 28.0000
 Sample Info: 200-0028753-009
 Misc. Info.: 41804-02
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Jan-2018 09:29:38 Calib Date: 12-Dec-2017 02:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: puangmaleek

Date: 16-Jan-2018 09:29:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		3.160				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.374				ND	
5 Chloromethane	50		3.491				ND	
7 Vinyl chloride	62	3.689	3.674	0.010	98	382368	16.8	
8 Butadiene	54		3.738				ND	
10 Bromomethane	94		4.283				ND	
11 Chloroethane	64		4.460				ND	
13 Vinyl bromide	106		4.775				ND	
14 Trichlorofluoromethane	101		4.850				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		5.722				ND	
21 1,1-Dichloroethene	96	5.792	5.784	0.011	96	3097	0.1325	
22 Acetone	43	6.033	6.033	0.033	85	6744	0.2834	7
23 Carbon disulfide	76		6.145				ND	
24 Isopropyl alcohol	45		6.231				ND	
25 3-Chloro-1-propene	41		6.455				ND	
27 Methylene Chloride	49		6.712				ND	
28 2-Methyl-2-propanol	59		6.921				ND	
29 Methyl tert-butyl ether	73		7.092				ND	
31 trans-1,2-Dichloroethene	61		7.103				ND	
33 Hexane	57		7.445				ND	
34 1,1-Dichloroethane	63	7.900	7.909	-0.005	96	8017	0.2079	
37 cis-1,2-Dichloroethene	96	8.921	8.917	-0.006	92	651627	24.8	
38 2-Butanone (MEK)	72		8.996				ND	
* 40 Chlorobromomethane	128	9.366	9.365	0.001	77	264476	10.0	
41 Tetrahydrofuran	42		9.403				ND	
42 Chloroform	83		9.478				ND	
S 30 1,2-Dichloroethene, Total	61				0		24.8	
43 Cyclohexane	84		9.724				ND	
44 1,1,1-Trichloroethane	97	9.756	9.755	0.005	6	1158	0.0173	
45 Carbon tetrachloride	117		9.986				ND	
46 Isooctane	57		10.398				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
47 Benzene	78		10.441				ND	
48 1,2-Dichloroethane	62		10.623				ND	
49 n-Heptane	43		10.772				ND	
* 50 1,4-Difluorobenzene	114	11.254	11.254	0.000	94	1196903	10.0	
53 Trichloroethene	95	11.714	11.714	-0.005	93	23005	0.4971	
54 1,2-Dichloropropane	63		12.270				ND	
56 1,4-Dioxane	88		12.516				ND	
58 Dichlorobromomethane	83		12.805				ND	
60 cis-1,3-Dichloropropene	75		13.725				ND	
61 4-Methyl-2-pentanone (MIBK)	43		14.036				ND	
65 Toluene	92	14.303	14.309	-0.006	95	5262	0.0893	
66 trans-1,3-Dichloropropene	75		14.908				ND	
67 1,1,2-Trichloroethane	83		15.277				ND	
68 Tetrachloroethene	166		15.373				ND	
69 2-Hexanone	43		15.758				ND	
71 Chlorodibromomethane	129		16.037				ND	
72 Ethylene Dibromide	107		16.304				ND	
* 74 Chlorobenzene-d5	117	17.208	17.208	0.000	88	1119743	10.0	
75 Chlorobenzene	112		17.272				ND	
76 Ethylbenzene	91		17.427				ND	
78 m-Xylene & p-Xylene	106		17.684				ND	
79 o-Xylene	106		18.535				ND	
80 Styrene	104		18.594				ND	
81 Bromoform	173		19.038				ND	
S 73 Xylenes, Total	106		19.600				ND	
84 1,1,2,2-Tetrachloroethane	83		19.985				ND	
88 4-Ethyltoluene	105		20.252				ND	
89 2-Chlorotoluene	91		20.252				ND	
90 1,3,5-Trimethylbenzene	105		20.370				ND	
93 1,2,4-Trimethylbenzene	105		20.980				ND	
96 1,3-Dichlorobenzene	146	21.450	21.450	0.000	87	1346	0.0155	
97 1,4-Dichlorobenzene	146		21.590				ND	
101 1,2-Dichlorobenzene	146		22.124				ND	
103 1,2,4-Trichlorobenzene	180	24.564	24.559	0.005	48	929	0.0173	
104 Hexachlorobutadiene	225		24.740				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15GIS_00015

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-09.D

Injection Date: 15-Jan-2018 18:20:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: 200-41804-A-2

Lab Sample ID: 200-41804-2

Worklist Smp#: 9

Client ID: 1Q18 LRP

Purge Vol: 200.000 mL

Dil. Factor: 28.0000

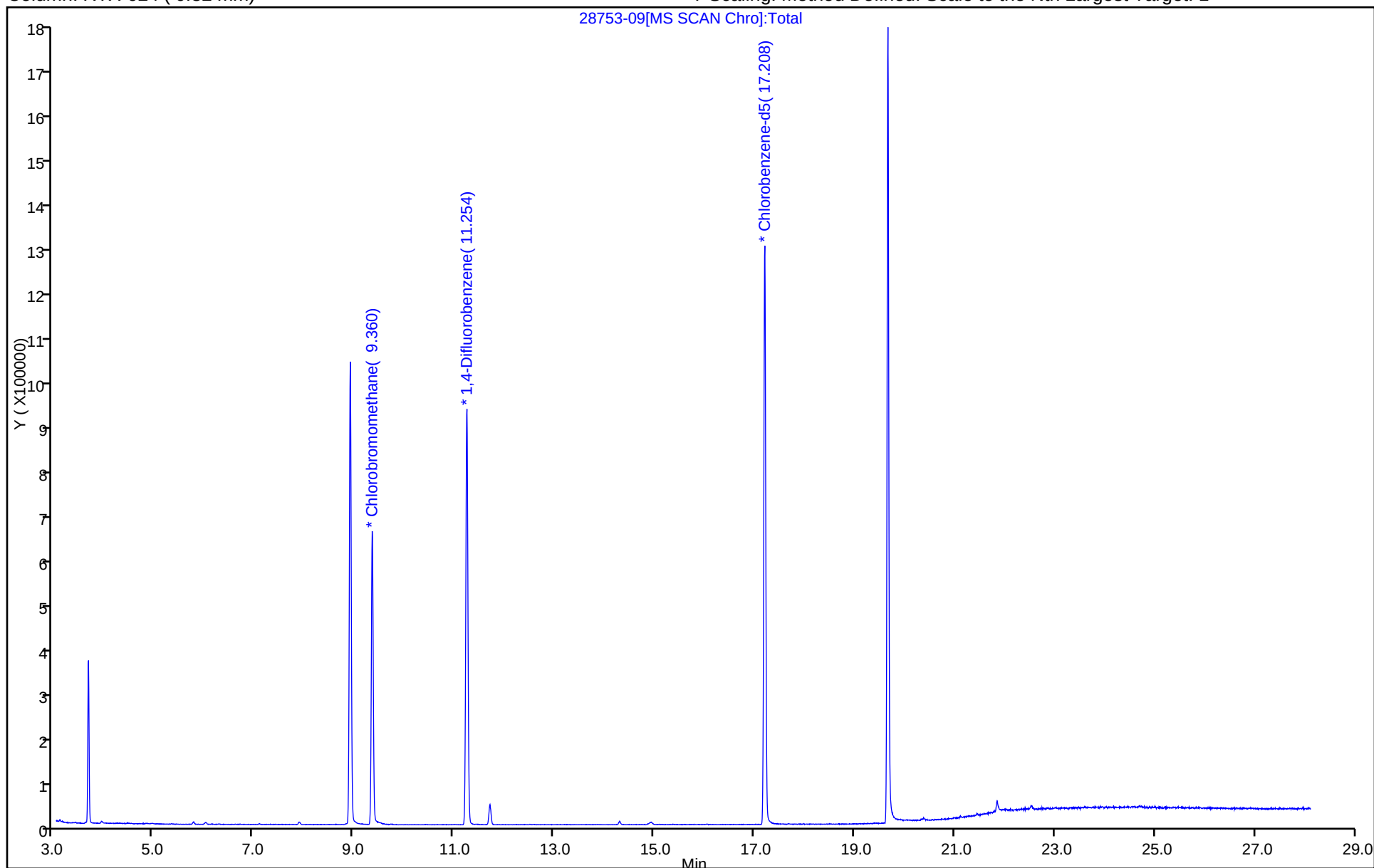
ALS Bottle#: 8

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-09.D

Injection Date: 15-Jan-2018 18:20:30

Instrument ID: CHG.i

Lims ID: 200-41804-A-2

Lab Sample ID: 200-41804-2

Client ID: 1Q18 LRP

Operator ID: vtp

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 200.000 mL

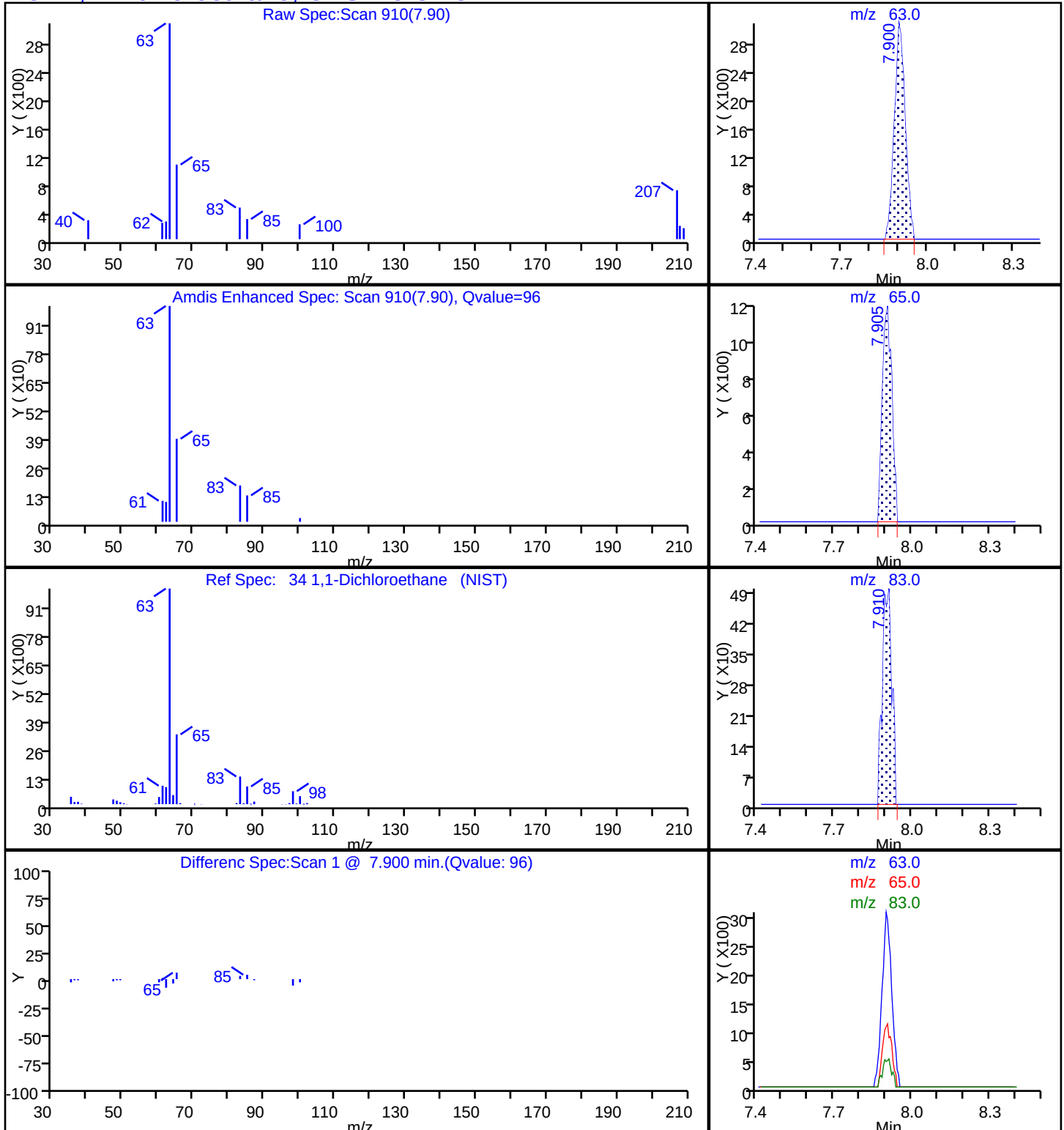
Dil. Factor: 28.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

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

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-09.D

Injection Date: 15-Jan-2018 18:20:30

Instrument ID: CHG.i

Lims ID: 200-41804-A-2

Lab Sample ID: 200-41804-2

Client ID: 1Q18 LRP

Operator ID: vtp

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 200.000 mL

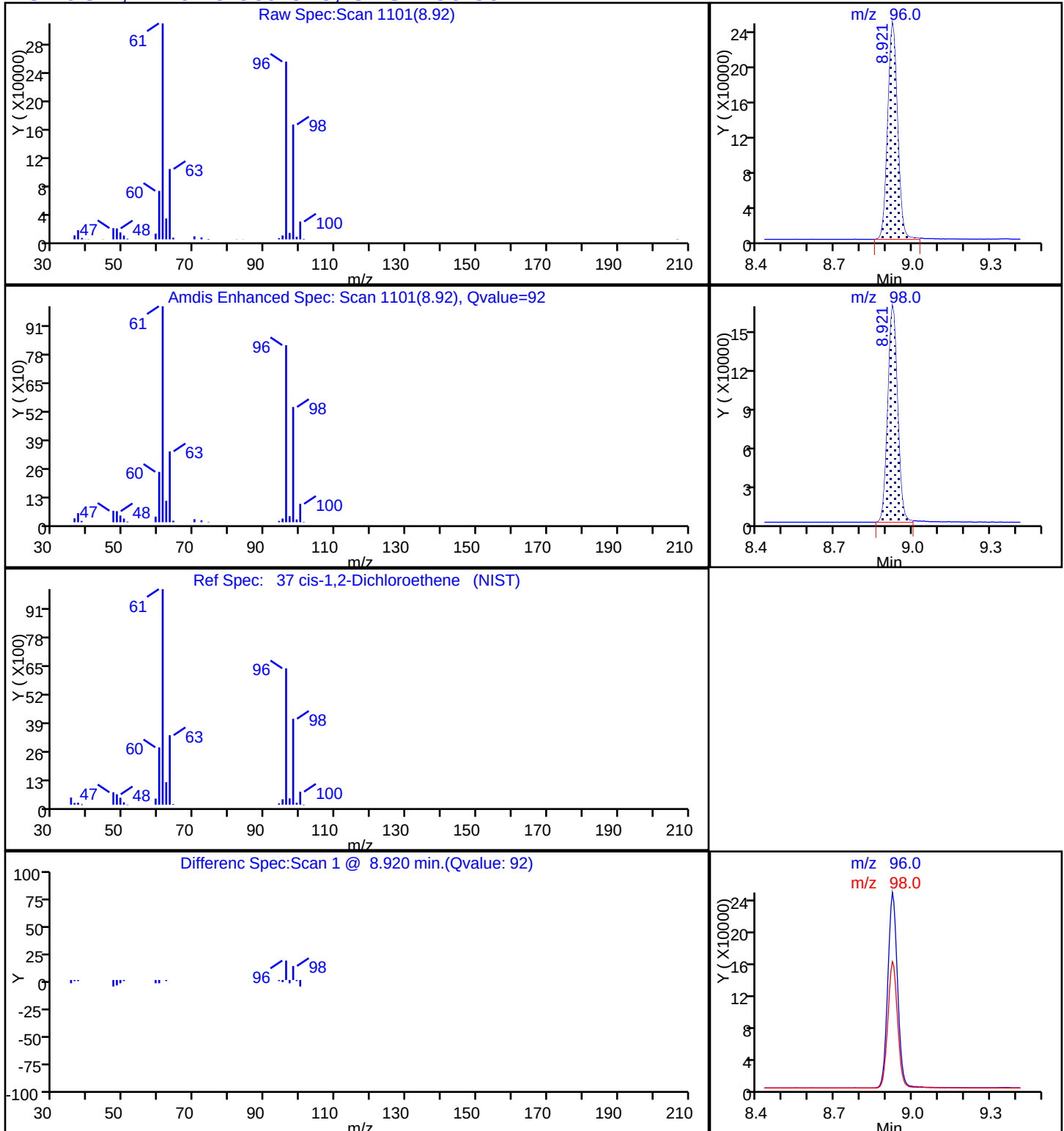
Dil. Factor: 28.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

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

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-09.D

Injection Date: 15-Jan-2018 18:20:30

Instrument ID: CHG.i

Lims ID: 200-41804-A-2

Lab Sample ID: 200-41804-2

Client ID: 1Q18 LRP

Operator ID: vtp

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 200.000 mL

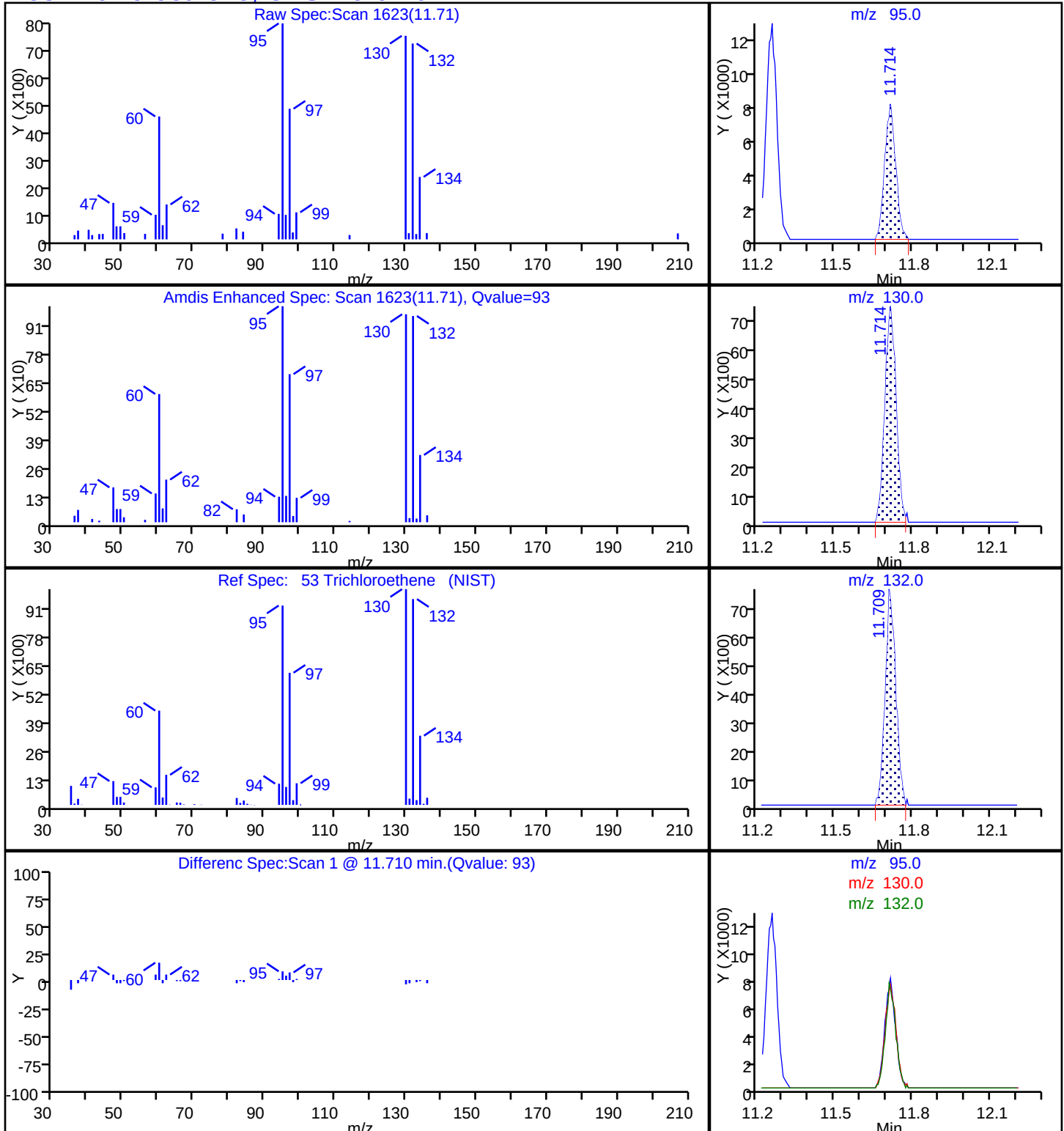
Dil. Factor: 28.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

53 Trichloroethene, CAS: 79-01-6

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-09.D

Injection Date: 15-Jan-2018 18:20:30

Instrument ID: CHG.i

Lims ID: 200-41804-A-2

Lab Sample ID: 200-41804-2

Client ID: 1Q18 LRP

Operator ID: vtp

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 28.0000

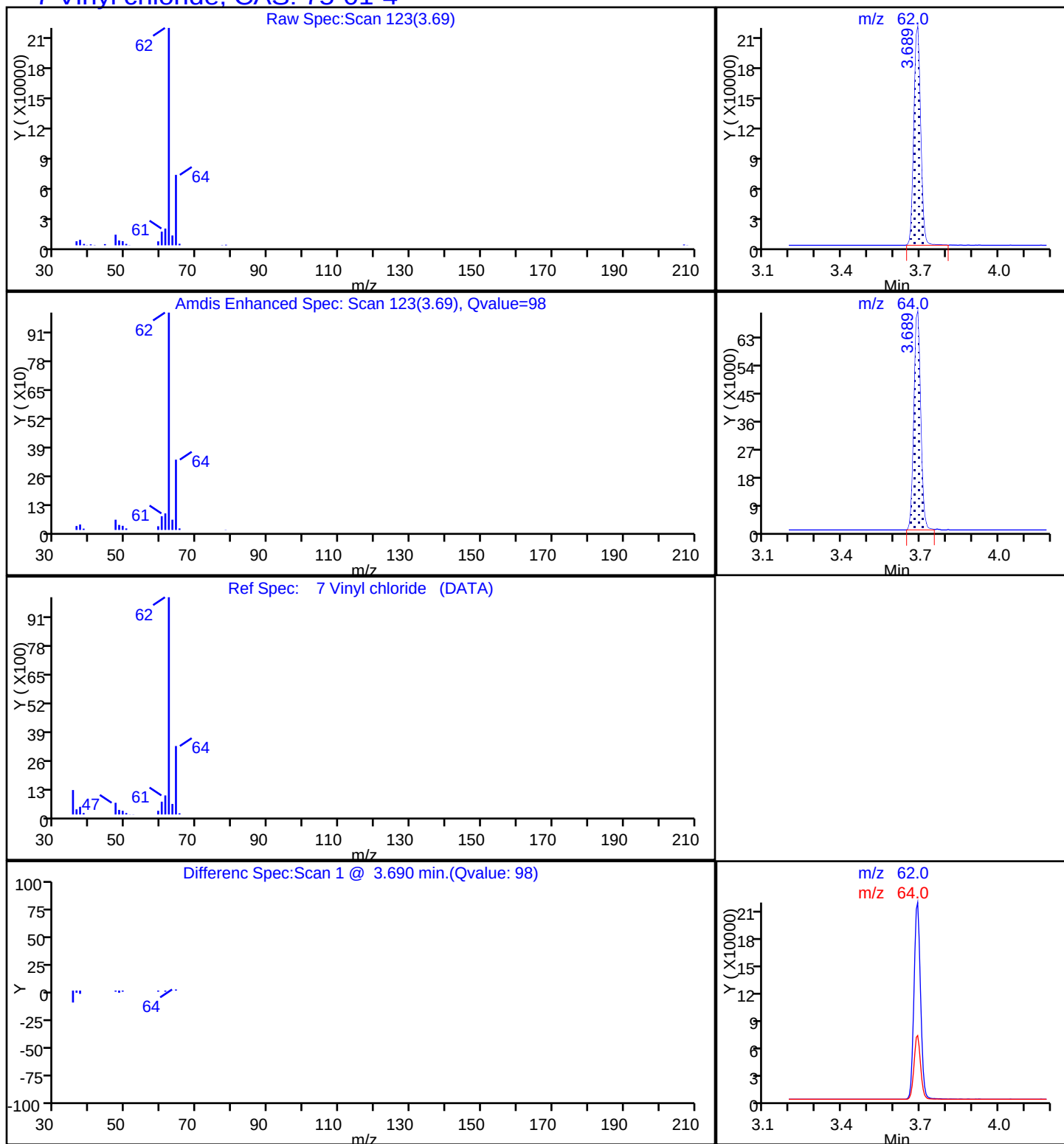
Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

7 Vinyl chloride, CAS: 75-01-4



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

Lab Name: TestAmerica Burlington Job No.: 200-41804-1 Analy Batch No.: 124302

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2017 18:36 Calibration End Date: 12/12/2017 02:10 Calibration ID: 38566

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-124302/3	28297-03.D
Level 2	IC 200-124302/4	28297-04.D
Level 3	IC 200-124302/6	28297-06.D
Level 4	IC 200-124302/7	28297-07.D
Level 5	ICIS 200-124302/8	28297-08.D
Level 6	IC 200-124302/10	28297-10.D
Level 7	IC 200-124302/11	28297-11.D
Level 8	IC 200-124302/12	28297-12.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								
Propylene	++++ 0.5266	++++ 0.5259	++++ 0.4885	0.6466	0.6160	Ave		0.5607				12.0		30.0			
Dichlorodifluoromethane	++++ 3.1130	++++ 3.0876	++++ 3.7782 2.7215	3.9136	3.6698	Ave		3.3806				14.0		30.0			
Freon 22	++++ 1.3255	++++ 1.3444	1.7715 1.2230	1.7211	1.6032	Ave		1.4981				15.4		30.0			
1,2-Dichlorotetrafluoroethane	++++ 2.3442	3.4864 2.3269	2.8565 2.0464	2.9950	2.7846	Ave		2.6914				18.1		30.0			
Chloromethane	++++ 0.6168	++++ 0.6256	0.7969 0.5748	0.7753	0.7390	Ave		0.6881				13.6		30.0			
n-Butane	++++ 0.8839	++++ 0.8974	1.1314 0.8250	1.1444	1.0712	Ave		0.9922				14.1		30.0			
Vinyl chloride	0.9479 0.7374	1.0331 0.7514	0.8911 0.6865	0.9313	0.8880	Ave		0.8583				14.0		30.0			
1,3-Butadiene	0.5467 0.4825	0.6799 0.4972	0.5690 0.4523	0.6157	0.5840	Ave		0.5534				13.6		30.0			
Bromomethane	++++ 0.8580	1.2800 0.8852	1.0820 0.8299	1.1115	1.0705	Ave		1.0167				16.2		30.0			
Chloroethane	++++ 0.2785	++++ 0.2892	0.3434 0.2757	0.3725	0.3544	Ave		0.3189				13.4		30.0			
Isopentane	++++ 0.5233	0.9249 0.5510	0.6910 0.5087	0.7070	0.6696	Ave		0.6536				22.2		30.0			
Bromoethene (Vinyl Bromide)	++++ 0.8476	1.2805 0.9075	1.0863 0.8397	1.1453	1.0984	Ave		1.0293				16.3		30.0			
Trichlorofluoromethane	++++ 2.4868	4.2075 2.6260	3.3940 2.3578	3.4425	3.2330	Ave		3.1068				21.2		30.0			
n-Pentane	++++ 0.7604	++++ 0.8227	1.0413 0.7686	1.0606	1.0224	Ave		0.9127				15.7		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-41804-1 Analy Batch No.: 124302
SDG No.: _____
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/11/2017 18:36 Calibration End Date: 12/12/2017 02:10 Calibration ID: 38566

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								
Ethanol	++++ 0.2078	++++ 0.1811	0.2072 0.1677	0.1532	0.2124	Ave		0.1882				13.1		30.0			
Ethyl ether	++++ 0.3596	0.4729 0.3676	0.3808 0.3413	0.4336	0.4356	Ave		0.3988				12.2		30.0			
Freon TF	++++ 1.7106	2.5429 1.7112	2.0733 1.5465	2.1438	2.0542	Ave		1.9689				17.2		30.0			
Acrolein	++++ 0.0973	++++ 0.1098	++++ 0.0936	0.1535	0.1379	Ave		0.1184				22.1		30.0			
1,1-Dichloroethene	1.0437 0.7469	1.1313 0.7553	0.8732 0.6922	0.9307	0.8964	Ave		0.8837				17.2		30.0			
Acetone	++++ 0.8728	++++ 0.8625	++++ 0.7984	0.9788	0.9859	Ave		0.8997				9.0		30.0			
Carbon disulfide	++++ 1.8615	++++ 1.9269	2.2541 1.7639	2.4038	2.2854	Ave		2.0826				12.7		30.0			
Isopropyl alcohol	++++ 0.8313	++++ 0.8168	++++ 0.7426	0.9555	0.9624	Ave		0.8617				11.0		30.0			
3-Chloropropene	++++ 0.5709	0.8773 0.6003	0.7030 0.4574	0.8477	0.8198	Ave		0.6966				22.9		30.0			
Acetonitrile	++++ 0.3021	++++ 0.3000	++++ 0.2827	0.3361	0.3390	Ave		0.3120				7.9		30.0			
Methylene Chloride	++++ 0.7229	++++ 0.7188	0.9256 0.6635	0.8935	0.8588	Ave		0.7972				13.6		30.0			
tert-Butyl alcohol	++++ 1.2817	++++ 1.2815	++++ 1.1673	1.4047	1.4973	Ave		1.3265				9.6		30.0			
Methyl tert-butyl ether	++++ 1.8894	2.4806 1.9071	2.1578 1.7344	2.2767	2.2801	Ave		2.1037				12.7		30.0			
trans-1,2-Dichloroethene	++++ 0.9692	1.3937 0.9723	1.1568 0.8737	1.2158	1.1721	Ave		1.1077				16.2		30.0			
Acrylonitrile	++++ 0.3111	++++ 0.3178	0.3034 0.2976	0.3504	0.3671	Ave		0.3246				8.6		30.0			
n-Hexane	++++ 0.7834	1.2003 0.7882	0.9266 0.7154	0.9694	0.9529	Ave		0.9052				18.0		30.0			
1,1-Dichloroethane	1.4429 1.2873	1.8509 1.2886	1.4872 1.1619	1.5873	1.5593	Ave		1.4582				14.8		30.0			
Vinyl acetate	++++ 1.1841	++++ 1.2017	++++ 1.0929	1.3809	1.4117	Ave		1.2543				10.9		30.0			
cis-1,2-Dichloroethene	0.9738 0.8892	1.2490 0.8887	0.9753 0.8139	1.0799	1.0755	Ave		0.9932				13.9		30.0			
Methyl Ethyl Ketone	++++ 0.2763	++++ 0.2824	0.3319 0.2519	0.3210	0.3295	Ave		0.2988				11.1		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-41804-1 Analy Batch No.: 124302
SDG No.: _____
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/11/2017 18:36 Calibration End Date: 12/12/2017 02:10 Calibration ID: 38566

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								
Ethyl acetate	++++ 0.0414	++++ 0.0413	++++ 0.0382	0.0497	0.0499	Ave		0.0441				12.1		30.0			
Tetrahydrofuran	++++ 0.1222	++++ 0.1178	++++ 0.1154	0.1515	0.1473	Ave		0.1308				13.2		30.0			
Chloroform	++++ 2.0600	2.8448 2.0347	2.4082 1.8433	2.5492	2.5079	Ave		2.3211				15.2		30.0			
Cyclohexane	++++ 0.2040	0.2795 0.1972	0.2334 0.1919	0.2592	0.2480	Ave		0.2305				14.7		30.0			
1,1,1-Trichloroethane	++++ 0.5071	0.6452 0.4840	0.5537 0.4680	0.6462	0.6075	Ave		0.5588				13.5		30.0			
Carbon tetrachloride	0.5139 0.5697	0.6760 0.5511	0.5914 0.5434	0.7294	0.6926	Ave		0.6084				13.1		30.0			
2,2,4-Trimethylpentane	++++ 0.7210	1.1300 0.6817	0.8283 0.6605	0.9478	0.8900	Ave		0.8370				20.1		30.0			
Benzene	++++ 0.5223	0.8012 0.5050	0.6438 0.4980	0.6514	0.6352	Ave		0.6081				17.9		30.0			
1,2-Dichloroethane	++++ 0.3293	0.4376 0.3196	0.3679 0.3179	0.4113	0.3968	Ave		0.3686				13.1		30.0			
n-Heptane	++++ 0.2702	0.4154 0.2505	0.3208 0.2440	0.3636	0.3333	Ave		0.3140				20.1		30.0			
n-Butanol	++++ 0.0832	0.0729 0.0729	0.0761 0.0761	0.0841	0.0947	Ave		0.0822				10.3		30.0			
Trichloroethene	0.5267 0.3362	0.4035 0.3165	0.3387 0.3272	0.4335	0.4108	Ave		0.3866				18.5		30.0			
1,2-Dichloropropane	++++ 0.2012	0.2686 0.1910	0.2354 0.1964	0.2631	0.2531	Ave		0.2298				14.5		30.0			
Methyl methacrylate	++++ 0.1634	0.1483 0.1618	0.1483 0.1695	0.1987	0.2052	Ave		0.1745				12.9		30.0			
Dibromomethane	++++ 0.3328	0.3722 0.3084	0.3159 0.3355	0.3749	0.3684	Ave		0.3440				8.0		30.0			
1,4-Dioxane	++++ 0.1091	0.1009 0.1009	0.0980 0.0980	0.1336	0.1304	Ave		0.1144				14.5		30.0			
Bromodichloromethane	++++ 0.5216	0.6142 0.5309	0.5336 0.5411	0.6983	0.6765	Ave		0.5880				12.7		30.0			
cis-1,3-Dichloropropene	++++ 0.3355	0.4088 0.3361	0.3623 0.3496	0.4283	0.4099	Ave		0.3758				10.4		30.0			
methyl isobutyl ketone	++++ 0.3458	0.3442 0.3442	0.3039 0.3471	0.4723	0.4307	Ave		0.3740				17.0		30.0			
Toluene	++++ 0.4562	0.6207 0.4497	0.5175 0.4692	0.5977	0.5744	Ave		0.5265				13.5		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-41804-1 Analy Batch No.: 124302
SDG No.: _____
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/11/2017 18:36 Calibration End Date: 12/12/2017 02:10 Calibration ID: 38566

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	++++ 0.3770	0.6177 0.3670	0.4739 0.3520	0.5402	0.4530	Ave		0.4544				21.7		30.0			
trans-1,3-Dichloropropene	++++ 0.3568	0.3582 0.3600	0.3838 0.3746	0.4595	0.4322	Ave		0.3893				10.4		30.0			
1,1,2-Trichloroethane	++++ 0.2455	0.3152 0.2409	0.2802 0.2470	0.3285	0.3098	Ave		0.2810				13.2		30.0			
Tetrachloroethene	0.6126 0.5046	0.6711 0.4943	0.5558 0.5057	0.6518	0.6256	Ave		0.5777				12.4		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.3830	++++ 0.3707	0.3192 0.3741	0.5071	0.4823	Ave		0.4061				17.9		30.0			
Dibromochloromethane	++++ 0.5394	0.6235 0.6348	0.5544 0.6250	0.8305	0.8471	Ave		0.6650				18.7		30.0			
1,2-Dibromoethane	++++ 0.5094	0.5589 0.5013	0.4931 0.5248	0.6382	0.6317	Ave		0.5511				11.1		30.0			
Chlorobenzene	++++ 0.6582	0.8426 0.6481	0.7062 0.6885	0.8189	0.8264	Ave		0.7413				11.4		30.0			
Ethylbenzene	++++ 0.9820	1.2385 0.9630	1.0849 0.9961	1.2568	1.2241	Ave		1.1065				11.8		30.0			
n-Nonane	++++ 0.4032	0.5312 0.3884	0.4588 0.3761	0.5301	0.5044	Ave		0.4560				14.8		30.0			
m,p-Xylene	++++ 0.3942	0.4711 0.3875	0.4310 0.3943	0.5003	0.4929	Ave		0.4388				11.2		30.0			
Xylene, o-	++++ 0.4054	0.4754 0.3993	0.4243 0.4218	0.5033	0.5048	Ave		0.4478				10.2		30.0			
Styrene	++++ 0.5989	0.4679 0.5907	0.4802 0.6374	0.7153	0.7414	Ave		0.6045				17.4		30.0			
Bromoform	++++ 0.2896	0.4099 0.5004	0.3948 0.4402	0.7768	0.8248	Ave		0.5195				39.0	*	30.0			
Cumene	++++ 1.1412	1.3148 1.1187	1.1969 1.1511	1.4118	1.4241	Ave		1.2512				10.4		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.5788	0.6670 0.5672	0.6130 0.5688	0.7087	0.7254	Ave		0.6327				10.6		30.0			
n-Propylbenzene	++++ 1.3151	1.4479 1.2793	1.3611 1.2800	1.6383	1.6613	Ave		1.4261				11.5		30.0			
1,2,3-Trichloropropane	++++ 0.4480	++++ 0.4340	0.4973 0.4310	0.5608	0.5665	Ave		0.4896				12.7		30.0			
2-Chlorotoluene	++++ 0.9149	1.1403 0.8583	1.0147 0.7915	1.1899	1.1770	Ave		1.0124				16.0		30.0			
4-Ethyltoluene	++++ 1.0699	1.1388 1.0178	1.1017 0.9367	1.3529	1.3735	Ave		1.1416				14.4		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-41804-1 Analy Batch No.: 124302
SDG No.: _____
Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/11/2017 18:36 Calibration End Date: 12/12/2017 02:10 Calibration ID: 38566

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Decane	++++ 0.4271	++++ 0.3923	0.4624 0.3604	0.6006	0.5623	Ave		0.4675				20.4		30.0			
1,3,5-Trimethylbenzene	++++ 0.9440	1.0028 0.9372	0.9472 0.9663	1.1492	1.1927	Ave		1.0199				10.4		30.0			
Alpha Methyl Styrene	++++ 0.4886	0.2952 0.4850	0.3332 0.5204	0.5604	0.6068	Ave		0.4699				24.5		30.0			
tert-Butylbenzene	++++ 0.9137	1.0812 0.9055	0.9071 0.9262	1.1164	1.1487	Ave		0.9998				11.0		30.0			
1,2,4-Trimethylbenzene	++++ 0.9419	0.9775 0.9371	0.9431 0.9590	1.1580	1.1965	Ave		1.0161				11.0		30.0			
sec-Butylbenzene	++++ 1.3354	1.3723 1.3186	1.3090 1.3274	1.6520	1.6879	Ave		1.4289				11.6		30.0			
4-Isopropyltoluene	++++ 1.1675	1.0674 1.1397	1.0917 1.0842	1.4244	1.4735	Ave		1.2069				14.0		30.0			
1,3-Dichlorobenzene	++++ 0.7553	0.7238 0.7222	0.6701 0.6949	0.9108	0.9418	Ave		0.7741				13.9		30.0			
1,4-Dichlorobenzene	++++ 0.7519	0.6584 0.7323	0.6335 0.7672	0.9021	0.9435	Ave		0.7699				15.0		30.0			
Benzyl chloride	++++ 0.8278	0.6310 0.8178	0.6566 0.8685	1.0599	1.1069	Ave		0.8526				21.3		30.0			
n-Butylbenzene	++++ 1.0118	0.8899 0.9918	0.8376 0.9851	1.2624	1.2876	Ave		1.0380				16.7		30.0			
n-Undecane	++++ 0.4911	++++ 0.4676	++++ 0.4368	0.6561	0.6303	Ave		0.5364				18.6		30.0			
1,2-Dichlorobenzene	++++ 0.6897	0.6515 0.6812	0.6355 0.7082	0.8396	0.8649	Ave		0.7244				12.5		30.0			
n-Dodecane	++++ 0.4103	++++ 0.3795	++++ 0.3263	0.5134	0.5231	Ave		0.4305				19.9		30.0			
1,2,4-Trichlorobenzene	++++ 0.4554	++++ 0.4320	0.3520 0.4677	0.5786	0.5919	Ave		0.4796				19.0		30.0			
Hexachlorobutadiene	++++ 0.4286	0.5444 0.3992	0.4613 0.3645	0.5623	0.5333	Ave		0.4705				16.5		30.0			
Naphthalene	++++ 0.8049	++++ 0.7593	0.4544 0.8711	1.1077	1.1014	Ave		0.8498				28.7		30.0			
1,2,3-Trichlorobenzene	++++ 0.3951	++++ 0.3828	0.3103 0.3933	0.5166	0.5141	Ave		0.4187				19.4		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-41804-1 Analy Batch No.: 124302

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2017 18:36 Calibration End Date: 12/12/2017 02:10 Calibration ID: 38566

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-124302/3	28297-03.D
Level 2	IC 200-124302/4	28297-04.D
Level 3	IC 200-124302/6	28297-06.D
Level 4	IC 200-124302/7	28297-07.D
Level 5	ICIS 200-124302/8	28297-08.D
Level 6	IC 200-124302/10	28297-10.D
Level 7	IC 200-124302/11	28297-11.D
Level 8	IC 200-124302/12	28297-12.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Propylene	BCM	Ave	++++ 249052	++++ 324396	++++ 605036	96079	189392	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 1472268	++++ 1904459	59179 3371076	581482	1128296	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 626891	++++ 829253	27747 1514929	255726	492914	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1108681	21166 1435245	44743 2534840	444999	856148	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 291703	++++ 385880	12482 711943	115196	227220	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 418017	++++ 553492	17721 1021953	170034	329347	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	990 348737	6272 463485	13957 850386	138371	273022	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	571 228173	4128 306645	8912 560266	91486	179539	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 405792	7771 546014	16948 1028026	165145	329138	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 131693	++++ 178405	5379 341531	55344	108948	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 247498	5615 339837	10823 630078	105053	205860	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 400863	7774 559763	17015 1040154	170168	337721	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 1176116	25544 1619705	53161 2920582	511488	994010	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 359620	++++ 507459	16311 952015	157593	314352	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 131301	++++ 223421	32487 519367	45563	97982	++++ 20.0	++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-41804-1 Analy Batch No.: 124302

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2017 18:36 Calibration End Date: 12/12/2017 02:10 Calibration ID: 38566

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Ethyl ether	BCM	Ave	++++ 170062	2871 226742	5965 422747	64431	133922	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Freon TF	BCM	Ave	++++ 809003	15438 1055491	32475 1915609	318533	631566	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	++++ 46005	++++ 67753	++++ 116000	22810	42399	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	1090 353255	6868 465851	13678 857397	138292	275614	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 412795	++++ 531993	++++ 988982	145430	303124	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 880378	++++ 1188498	35307 2184972	357161	702643	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	++++ 393152	++++ 503807	++++ 919825	141976	295886	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	++++ 269999	5326 370293	11011 566557	125951	252047	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 142889	++++ 185063	++++ 350147	49943	104221	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 341899	++++ 443340	++++ 821875	132758	264050	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 606175	++++ 790442	++++ 1445876	208711	460351	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 893577	15060 1176328	33799 2148349	338278	701025	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	++++ 458390	8461 599702	18120 1082213	180647	360357	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 147132	++++ 196030	4752 368583	52060	112860	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 370489	7287 486134	14514 886185	144032	292981	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1507 608834	11237 794827	23295 1439223	235851	479409	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 559997	++++ 741210	++++ 1353794	205181	434023	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	1017 420550	7583 548142	15276 1008112	160457	330678	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 130691	++++ 174189	5199 311973	47694	101315	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 19583	++++ 25469	++++ 47357	7385	15339	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	++++ 273980	++++ 351812	++++ 650292	103218	214797	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-41804-1 Analy Batch No.: 124302

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2017 18:36 Calibration End Date: 12/12/2017 02:10 Calibration ID: 38566

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Chloroform	BCM	Ave	+++++ 974252	17271 1254983	37721 2283218	378763	771059	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	+++++ 457545	8547 589206	18052 1081395	176572	361675	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 1137253	19726 1445861	42834 2637137	440114	885820	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	2406 1277649	20670 1646234	45746 3062013	496808	1009915	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 1617040	34551 2036582	64074 3721924	645530	1297887	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	+++++ 1171488	24496 1508532	49805 2805997	443673	926281	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	+++++ 738576	13380 954865	28458 1791472	280111	578690	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	+++++ 606025	12701 748400	24817 1374990	247672	486051	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFBZ	Ave	+++++ 186536	+++++ 217883	+++++ 428723	57253	138091	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	2466 753984	12336 945497	26200 1844054	295242	599065	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 451163	8213 570670	18208 1106990	179224	369029	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 366543	+++++ 483448	11471 955239	135336	299189	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromomethane	DFBZ	Ave	+++++ 746462	11380 921475	24438 1890445	255352	537273	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 244782	+++++ 301511	+++++ 552316	90987	190141	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 1169949	18779 1586163	41279 3049096	475612	986528	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 752555	12499 1004079	28024 1969903	291748	597766	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFBZ	Ave	+++++ 775491	+++++ 1028370	23505 1956143	321690	628083	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBNZ d5	Ave	+++++ 899192	15250 1212695	33599 2404051	348441	703831	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFBZ	Ave	+++++ 845466	18887 1096490	36662 1983418	367954	660641	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	+++++ 800258	10952 1075496	29690 2110639	312990	630258	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 483850	7745 649622	18196 1265299	191511	379634	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-41804-1 Analy Batch No.: 124302

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2017 18:36 Calibration End Date: 12/12/2017 02:10 Calibration ID: 38566

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Tetrachloroethene	CBNZ d5	Ave	2559 994509	16489 1333167	36086 2590853	379949	766631	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZ d5	Ave	++++ 754867	++++ 999691	20726 1916819	295579	591055	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBNZ d5	Ave	++++ 1063158	15319 1712112	35995 3202402	484111	1037999	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBNZ d5	Ave	++++ 1004076	13731 1352030	20439 2688647	372009	774073	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBNZ d5	Ave	++++ 1297255	20702 1747765	45854 3527476	477368	1012730	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBNZ d5	Ave	++++ 1935565	30429 2597067	70439 5103847	732598	1500069	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBNZ d5	Ave	++++ 794731	13051 1047568	29787 1927215	309011	618049	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBNZ d5	Ave	++++ 1553869	23149 2090267	55974 4040719	583240	1207954	++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBNZ d5	Ave	++++ 799045	11681 1076913	27552 2161232	293407	618576	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBNZ d5	Ave	++++ 1180356	11497 1592991	31176 3265539	416989	908538	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBNZ d5	Ave	++++ 570777	10072 1349536	25633 2255380	452789	1010772	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBNZ d5	Ave	++++ 2249259	32304 3017089	77714 5897964	822982	1745081	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	++++ 1140843	16387 1529611	39800 2914160	413120	888913	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBNZ d5	Ave	++++ 2592013	35574 3450192	88374 6557963	954988	2035827	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBNZ d5	Ave	++++ 883006	++++ 1170458	32289 2208491	326895	694201	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBNZ d5	Ave	++++ 1803284	28017 2314822	65883 4055419	693609	1442344	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBNZ d5	Ave	++++ 2108808	27979 2744855	71530 4799397	788610	1683074	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Decane	CBNZ d5	Ave	++++ 841888	++++ 1058091	30024 1846504	350101	688991	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBNZ d5	Ave	++++ 1860691	24637 2527401	61502 4950713	669914	1461553	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBNZ d5	Ave	++++ 962988	7254 1307910	21632 2666313	326689	743588	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBNZ d5	Ave	++++ 1800909	26564 2442119	58894 4745373	650802	1407683	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-41804-1 Analy Batch No.: 124302

SDG No.: _____

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2017 18:36 Calibration End Date: 12/12/2017 02:10 Calibration ID: 38566

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
1,2,4-Trimethylbenzene	CBNZ d5	Ave	++++ 1856450	24016 2527330	61232 4913341	675017	1466218	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBNZ d5	Ave	++++ 2632011	33717 3556128	84989 6801202	963013	2068355	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBNZ d5	Ave	++++ 2301169	26224 3073685	70882 5555067	830304	1805588	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBNZ d5	Ave	++++ 1488654	17783 1947801	43509 3560524	530952	1154047	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBNZ d5	Ave	++++ 1482072	16177 1974996	41133 3931016	525849	1156145	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBNZ d5	Ave	++++ 1631551	15502 2205600	42635 4450081	617850	1356350	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBNZ d5	Ave	++++ 1994263	21863 2674660	54387 5047479	735884	1577891	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBNZ d5	Ave	++++ 968014	++++ 1261011	++++ 2238140	382477	772328	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBNZ d5	Ave	++++ 1359353	16007 1837161	41262 3628653	489424	1059834	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBNZ d5	Ave	++++ 808710	++++ 1023549	++++ 1671829	299286	640984	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBNZ d5	Ave	++++ 897665	++++ 1164929	22856 2396265	337295	725369	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBNZ d5	Ave	++++ 844697	13375 1076720	29949 1867591	327780	653472	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBNZ d5	Ave	++++ 1586396	++++ 2047755	29506 4463102	645698	1349660	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBNZ d5	Ave	++++ 778650	++++ 1032438	20144 2015064	301127	629957	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:

Ave = Average ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-03.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 11-Dec-2017 18:36:30 ALS Bottle#: 8 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0028297-003
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 12-Dec-2017 12:49:22 Calib Date: 12-Dec-2017 02:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: daiglep

Date: 12-Dec-2017 09:26:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.133	3.122	0.011	84	1508	0.0351	0.0903	
2 Dichlorodifluoromethane	85	3.406	3.181	0.225	95	3732	0.0351	0.0371	
3 Chlorodifluoromethane	51	3.235	3.219	0.016	95	2399	0.0351	0.0538	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.406	3.395	0.011	86	3732	0.0351	0.0466	
5 Chloromethane	50	3.524	3.508	0.016	1	1324	0.0351	0.0646	
6 Butane	43	3.674	3.663	0.011	93	2646	0.0351	0.0896	
7 Vinyl chloride	62	3.716	3.700	0.016	94	990	0.0351	0.0387	
8 Butadiene	54	3.775	3.759	0.016	0	571	0.0351	0.0347	
10 Bromomethane	94	4.321	4.305	0.016	93	1394	0.0351	0.0460	
11 Chloroethane	64	4.503	4.492	0.011	1	283	0.0351	0.0298	
12 2-Methylbutane	43	4.546	4.545	0.001	90	1630	0.0351	0.0838	
13 Vinyl bromide	106	4.818	4.808	0.010	86	1425	0.0351	0.0465	
14 Trichlorofluoromethane	101	4.899	4.882	0.017	90	1791	0.0351	0.0194	
16 Pentane	43	4.995	4.995	0.000	88	2095	0.0351	0.0771	
17 Ethanol	45	5.412	5.364	0.048	1	385	0.0702	0.0687	
18 Ethyl ether	59		5.428				ND	ND	
20 1,1,2-Trichloro-1,2,2-trif	101	5.755	5.760	-0.005	92	2327	0.0351	0.0397	
19 Acrolein	56		5.771				ND	ND	
21 1,1-Dichloroethene	96	5.824	5.819	0.005	89	1090	0.0351	0.0414	
22 Acetone	43	6.102	6.043	0.059	99	3838	0.0351	0.1433	
23 Carbon disulfide	76	6.183	6.182	0.001	98	3073	0.0351	0.0496	
24 Isopropyl alcohol	45	6.364	6.279	0.085	1	1347	0.0351	0.0525	
25 3-Chloro-1-propene	41	6.498	6.493	0.005	1	514	0.0351	0.0248	
26 Acetonitrile	41	6.509	6.637	-0.128	19	1081	0.0351	0.1164	
27 Methylene Chloride	49	6.755	6.750	0.005	91	1421	0.0351	0.0599	
28 2-Methyl-2-propanol	59		6.969				ND	ND	
29 Methyl tert-butyl ether	73	7.199	7.129	0.070	1	462	0.0351	0.007376	
31 trans-1,2-Dichloroethene	61	7.140	7.145	-0.005	91	1230	0.0351	0.0373	
32 Acrylonitrile	53		7.301				ND	ND	
33 Hexane	57	7.472	7.477	-0.005	86	1387	0.0351	0.0515	
34 1,1-Dichloroethane	63	7.948	7.943	0.006	92	1507	0.0351	0.0347	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	8.028	8.007	0.021	1	346	0.0351	0.009265	
37 cis-1,2-Dichloroethene	96	8.959	8.964	-0.005	84	1017	0.0351	0.0344	
38 2-Butanone (MEK)	72		9.034				ND	ND	
39 Ethyl acetate	88		9.055				ND	ND	
* 40 Chlorobromomethane	128	9.403	9.403	0.000	81	297746	10.0	10.0	
41 Tetrahydrofuran	42		9.440				ND	ND	
42 Chloroform	83	9.505	9.515	-0.010	81	2387	0.0351	0.0345	
S 30 1,2-Dichloroethene, Total	61				0		0.0702	0.0717	
43 Cyclohexane	84	9.767	9.761	0.006	73	467	0.0351	0.0152	
44 1,1,1-Trichloroethane	97	9.794	9.788	0.006	61	1264	0.0351	0.0169	
45 Carbon tetrachloride	117	10.013	10.024	-0.011	93	2406	0.0351	0.0296	
46 Isooctane	57	10.430	10.435	-0.005	96	12693	0.0351	0.1136	
47 Benzene	78	10.478	10.478	0.000	9	2552	0.0351	0.0314	
48 1,2-Dichloroethane	62		10.660				ND	ND	
49 n-Heptane	43	10.799	10.810	-0.011	83	1765	0.0351	0.0421	
* 50 1,4-Difluorobenzene	114	11.292	11.291	0.001	94	1334785	10.0	10.0	
52 n-Butanol	56		11.730				ND	ND	
53 Trichloroethene	95	11.746	11.752	-0.006	92	2466	0.0351	0.0478	
54 1,2-Dichloropropane	63		12.308				ND	ND	
A 51 GRO	1	12.412	(4.535-20.289)		0	687671	0.0351	0	
55 Methyl methacrylate	69		12.479				ND	ND	
57 Dibromomethane	174	12.554	12.554	0.000	92	1880	0.0351	0.0409	
56 1,4-Dioxane	88		12.559				ND	ND	
58 Dichlorobromomethane	83	12.843	12.843	0.000	1	2121	0.0351	0.0270	
60 cis-1,3-Dichloropropene	75	13.768	13.758	0.010	68	632	0.0351	0.0126	
61 4-Methyl-2-pentanone (MIBK)	43	14.138	14.073	0.065	1	502	0.0351	0.0101	
A 59 TVOC as Toluene	92	14.314	(3.112-25.516)		0	763066	0.0351	0	
65 Toluene	92	14.330	14.335	-0.005	1	669	0.0351	0.0107	
A 63 Toluene Range	92	14.335	(14.295-14.375)		0	8363	NC	NC	
64 n-Octane	43	14.394	14.394	0.000	87	3085	0.0351	0.0509	
A 62 C8 Range	1	14.394	(14.344-14.444)		0	13930	NC	NC	
66 trans-1,3-Dichloropropene	75	14.945	14.940	0.005	1	414	0.0351	0.007967	
67 1,1,2-Trichloroethane	83		15.309				ND	ND	
68 Tetrachloroethene	166	15.400	15.405	-0.005	94	2559	0.0351	0.0372	
69 2-Hexanone	43	15.823	15.791	0.032	1	198	0.0351	0.004094	
71 Chlorodibromomethane	129	16.063	16.069	-0.006	1	1188	0.0351	0.0150	
72 Ethylene Dibromide	107	16.336	16.336	0.000	1	980	0.0351	0.0149	
* 74 Chlorobenzene-d5	117	17.235	17.240	-0.005	86	1190925	10.0	10.0	
75 Chlorobenzene	112	17.294	17.299	-0.005	21	1881	0.0351	0.0213	
76 Ethylbenzene	91	17.449	17.460	-0.011	95	4180	0.0351	0.0317	
77 n-Nonane	57	17.593	17.593	0.000	85	1255	0.0351	0.0231	
78 m-Xylene & p-Xylene	106	17.706	17.716	-0.010	0	2016	0.0702	0.0386	
79 o-Xylene	106	18.572	18.567	0.005	94	1281	0.0351	0.0240	
80 Styrene	104	18.621	18.626	-0.005	1	474	0.0351	0.006584	
81 Bromoform	173	19.070	19.070	0.000	1	307	0.0351	0.004962	
82 Isopropylbenzene	105	19.300	19.305	-0.005	1	2220	0.0351	0.0149	
S 73 Xylenes, Total	106				0		0.1052	0.0626	
* 83 4-Bromofluorobenzene	95	19.696	19.696	0.000	96	849327	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.012	20.006	0.006	61	1167	0.0351	0.0155	
85 N-Propylbenzene	91	20.086	20.076	0.010	98	2285	0.0351	0.0135	
86 1,2,3-Trichloropropane	75		20.108				ND	ND	
87 n-Decane	57		20.279				ND	ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	20.279	20.279	0.000	91	2674	0.0351	0.0222	
88 4-Ethyltoluene	105	20.279	20.279	0.000	74	2095	0.0351	0.0154	
90 1,3,5-Trimethylbenzene	105	20.391	20.391	0.000	89	1901	0.0351	0.0157	
91 Alpha Methyl Styrene	118	20.771	20.776	-0.005	1	252	0.0351	0.004503	
92 tert-Butylbenzene	119	20.900	20.899	0.001	16	1884	0.0351	0.0158	
93 1,2,4-Trimethylbenzene	105	21.007	21.001	0.006	93	2609	0.0351	0.0216	
94 sec-Butylbenzene	105	21.242	21.242	0.000	90	2373	0.0351	0.0139	
95 4-Isopropyltoluene	119	21.451	21.456	-0.005	75	2009	0.0351	0.0140	
96 1,3-Dichlorobenzene	146	21.467	21.472	-0.005	90	1658	0.0351	0.0180	
97 1,4-Dichlorobenzene	146	21.611	21.611	0.000	87	1730	0.0351	0.0189	
98 Benzyl chloride	91	22.034	21.820	0.214	58	1372	0.0351	0.0135	
100 n-Butylbenzene	91	22.034	22.034	0.000	71	1372	0.0351	0.0111	
99 Undecane	57	22.077	22.071	0.006	1	689	0.0351	0.0108	
101 1,2-Dichlorobenzene	146	22.141	22.141	0.000	88	1485	0.0351	0.0172	
102 Dodecane	57		23.628				ND	ND	
103 1,2,4-Trichlorobenzene	180	24.591	24.585	0.006	54	1136	0.0351	0.0199	
104 Hexachlorobutadiene	225	24.773	24.767	0.006	55	976	0.0351	0.0174	
105 Naphthalene	128	25.040	25.051	-0.011	1	277	0.0351	0.002737	
106 1,2,3-Trichlorobenzene	180	25.511	25.506	0.005	1	536	0.0351	0.0107	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL1w_00180

Amount Added: 35.00

Units: mL

ATTO15GIS_00015

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-03.D

Injection Date: 11-Dec-2017 18:36:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

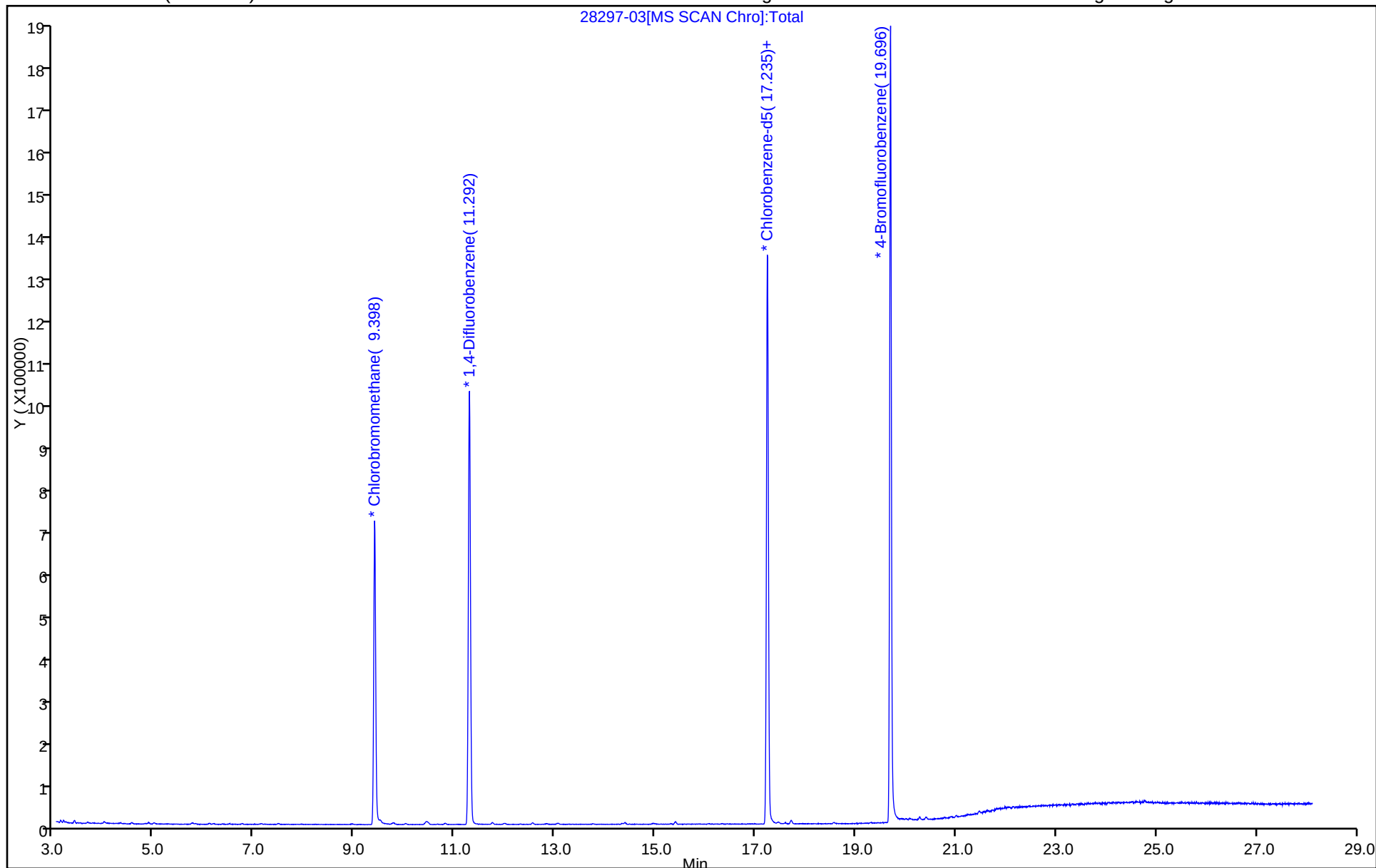
ALS Bottle#: 8

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-04.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 11-Dec-2017 19:26:30 ALS Bottle#: 9 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0028297-004
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 12-Dec-2017 12:49:27 Calib Date: 12-Dec-2017 02:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: daiglep

Date: 12-Dec-2017 09:20:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.138	3.122	0.016	91	5817	0.2004	0.3425	
2 Dichlorodifluoromethane	85	3.192	3.181	0.011	99	27109	0.2004	0.2647	
3 Chlorodifluoromethane	51	3.229	3.219	0.010	96	12173	0.2004	0.2683	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.406	3.395	0.011	88	21166	0.2004	0.2596	
5 Chloromethane	50	3.524	3.508	0.016	98	6072	0.2004	0.2914	
6 Butane	43	3.673	3.663	0.010	96	10370	0.2004	0.3451	
7 Vinyl chloride	62	3.711	3.700	0.011	96	6272	0.2004	0.2412	
8 Butadiene	54	3.775	3.759	0.016	95	4128	0.2004	0.2463	
10 Bromomethane	94	4.321	4.305	0.016	98	7771	0.2004	0.2523	
11 Chloroethane	64	4.508	4.492	0.016	92	2609	0.2004	0.2701	
12 2-Methylbutane	43	4.545	4.545	0.000	86	5615	0.2004	0.2836	
13 Vinyl bromide	106	4.813	4.808	0.005	97	7774	0.2004	0.2493	
14 Trichlorofluoromethane	101	4.888	4.882	0.006	98	25544	0.2004	0.2715	
16 Pentane	43	4.989	4.995	-0.006	94	8966	0.2004	0.3243	
17 Ethanol	45	5.412	5.364	0.048	97	3813	0.4009	0.6688	
18 Ethyl ether	59	5.482	5.428	0.054	90	2871	0.2004	0.2377	
20 1,1,2-Trichloro-1,2,2-trif	101	5.765	5.760	0.005	97	15438	0.2004	0.2589	
19 Acrolein	56	5.808	5.771	0.037	28	838	0.2004	0.2336	
21 1,1-Dichloroethene	96	5.813	5.819	-0.006	98	6868	0.2004	0.2566	
22 Acetone	43	6.081	6.043	0.038	100	19593	0.2004	0.7190	
23 Carbon disulfide	76	6.182	6.182	0.000	99	16943	0.2004	0.2686	
24 Isopropyl alcohol	45	6.348	6.279	0.069	98	13677	0.2004	0.5240	
25 3-Chloro-1-propene	41	6.493	6.493	0.000	93	5326	0.2004	0.2524	
26 Acetonitrile	41	6.664	6.637	0.027	94	2695	0.2004	0.2852	
27 Methylene Chloride	49	6.750	6.750	0.000	90	7118	0.2004	0.2948	
28 2-Methyl-2-propanol	59	7.060	6.969	0.091	94	6898	0.2004	0.1717	
29 Methyl tert-butyl ether	73	7.183	7.129	0.054	95	15060	0.2004	0.2363	
31 trans-1,2-Dichloroethene	61	7.140	7.145	-0.005	97	8461	0.2004	0.2522	
32 Acrylonitrile	53	7.311	7.301	0.010	21	1858	0.2004	0.1890	
33 Hexane	57	7.477	7.477	0.000	88	7287	0.2004	0.2658	
34 1,1-Dichloroethane	63	7.943	7.943	0.000	98	11237	0.2004	0.2544	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	8.028	8.007	0.021	99	6876	0.2004	0.1810	
37 cis-1,2-Dichloroethene	96	8.964	8.964	0.000	90	7583	0.2004	0.2521	
38 2-Butanone (MEK)	72	9.071	9.034	0.037	96	2033	0.2004	0.2246	
39 Ethyl acetate	88		9.055				ND	ND	
* 40 Chlorobromomethane	128	9.403	9.403	0.000	76	302889	10.0	10.0	
41 Tetrahydrofuran	42	9.499	9.440	0.059	79	4777	0.2004	0.2394	
42 Chloroform	83	9.515	9.515	0.000	98	17271	0.2004	0.2457	
S 30 1,2-Dichloroethene, Total	61				0		0.4009	0.5043	
43 Cyclohexane	84	9.751	9.761	-0.010	53	8547	0.2004	0.2431	M
44 1,1,1-Trichloroethane	97	9.783	9.788	-0.005	96	19726	0.2004	0.2314	
45 Carbon tetrachloride	117	10.024	10.024	0.000	98	20670	0.2004	0.2227	
46 Isooctane	57	10.430	10.435	-0.005	97	34551	0.2004	0.2706	
47 Benzene	78	10.473	10.478	-0.005	96	24496	0.2004	0.2641	
48 1,2-Dichloroethane	62	10.660	10.660	0.000	98	13380	0.2004	0.2379	
49 n-Heptane	43	10.810	10.810	0.000	90	12701	0.2004	0.2652	M
* 50 1,4-Difluorobenzene	114	11.291	11.291	0.000	94	1525389	10.0	10.0	
52 n-Butanol	56	11.805	11.730	0.075	93	3560	0.2004	0.2840	
53 Trichloroethene	95	11.746	11.752	-0.006	96	12336	0.2004	0.2092	
54 1,2-Dichloropropane	63	12.308	12.308	0.000	81	8213	0.2004	0.2343	M
A 51 GRO	1	12.412	(4.535-20.289)		0	3114729	0.2004	0	M
55 Methyl methacrylate	69	12.495	12.479	0.016	91	3583	0.2004	0.1346	
57 Dibromomethane	174	12.559	12.554	0.005	95	11380	0.2004	0.2169	
56 1,4-Dioxane	88	12.629	12.559	0.070	76	3515	0.2004	0.2014	
58 Dichlorobromomethane	83	12.837	12.843	-0.006	98	18779	0.2004	0.2094	
60 cis-1,3-Dichloropropene	75	13.758	13.758	0.000	96	12499	0.2004	0.2180	
61 4-Methyl-2-pentanone (MIBK)	43	14.121	14.073	0.048	97	8248	0.2004	0.1446	
A 59 TVOC as Toluene	92	14.314	(3.112-25.516)		0	3933417	0.2004	0	M
65 Toluene	92	14.335	14.335	0.000	94	15250	0.2004	0.2363	
A 63 Toluene Range	92	14.335	(14.295-14.375)		0	58544	NC	NC	M
64 n-Octane	43	14.400	14.394	0.006	89	18887	0.2004	0.2725	
A 62 C8 Range	1	14.408	(14.344-14.444)		0	78613	NC	NC	M
66 trans-1,3-Dichloropropene	75	14.940	14.940	0.000	96	10952	0.2004	0.1844	
67 1,1,2-Trichloroethane	83	15.309	15.309	0.000	96	7745	0.2004	0.2248	
68 Tetrachloroethene	166	15.405	15.405	0.000	95	16489	0.2004	0.2329	
69 2-Hexanone	43	15.817	15.791	0.026	96	7024	0.2004	0.1411	
71 Chlorodibromomethane	129	16.063	16.069	-0.006	97	15319	0.2004	0.1879	
72 Ethylene Dibromide	107	16.336	16.336	0.000	96	13731	0.2004	0.2033	
* 74 Chlorobenzene-d5	117	17.240	17.240	0.000	86	1225756	10.0	10.0	
75 Chlorobenzene	112	17.304	17.299	0.005	97	20702	0.2004	0.2278	
76 Ethylbenzene	91	17.460	17.460	0.000	99	30429	0.2004	0.2244	
77 n-Nonane	57	17.593	17.593	0.000	86	13051	0.2004	0.2335	
78 m-Xylene & p-Xylene	106	17.716	17.716	0.000	0	23149	0.4009	0.4304	
79 o-Xylene	106	18.567	18.567	0.000	98	11681	0.2004	0.2128	
80 Styrene	104	18.621	18.626	-0.005	97	11497	0.2004	0.1552	
81 Bromoform	173	19.070	19.070	0.000	94	10072	0.2004	0.1582	
82 Isopropylbenzene	105	19.305	19.305	0.000	97	32304	0.2004	0.2106	
S 73 Xylenes, Total	106				0		0.6013	0.6432	
* 83 4-Bromofluorobenzene	95	19.696	19.696	0.000	95	850334	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.006	20.006	0.000	97	16387	0.2004	0.2113	
85 N-Propylbenzene	91	20.076	20.076	0.000	99	35574	0.2004	0.2035	
86 1,2,3-Trichloropropane	75	20.108	20.108	0.000	98	13758	0.2004	0.2292	
87 n-Decane	57	20.274	20.279	-0.005	67	12315	0.2004	0.2149	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	20.279	20.279	0.000	95	28017	0.2004	0.2258	
88 4-Ethyltoluene	105	20.274	20.279	-0.005	82	27979	0.2004	0.1999	
90 1,3,5-Trimethylbenzene	105	20.391	20.391	0.000	93	24637	0.2004	0.1971	
91 Alpha Methyl Styrene	118	20.771	20.776	-0.005	80	7254	0.2004	0.1259	
92 tert-Butylbenzene	119	20.899	20.899	0.000	91	26564	0.2004	0.2168	
93 1,2,4-Trimethylbenzene	105	21.001	21.001	0.000	97	24016	0.2004	0.1928	
94 sec-Butylbenzene	105	21.237	21.242	-0.005	98	33717	0.2004	0.1925	
95 4-Isopropyltoluene	119	21.456	21.456	0.000	97	26224	0.2004	0.1773	
96 1,3-Dichlorobenzene	146	21.467	21.472	-0.005	98	17783	0.2004	0.1874	
97 1,4-Dichlorobenzene	146	21.611	21.611	0.000	94	16177	0.2004	0.1714	
98 Benzyl chloride	91	21.820	21.820	0.000	97	15502	0.2004	0.1483	
100 n-Butylbenzene	91	22.034	22.034	0.000	98	21863	0.2004	0.1718	
99 Undecane	57	22.071	22.071	0.000	95	11724	0.2004	0.1783	
101 1,2-Dichlorobenzene	146	22.146	22.141	0.005	95	16007	0.2004	0.1803	
102 Dodecane	57	23.628	23.628	0.000	91	6271	0.2004	0.1188	
103 1,2,4-Trichlorobenzene	180	24.580	24.585	-0.005	92	9317	0.2004	0.1585	
104 Hexachlorobutadiene	225	24.773	24.767	0.006	93	13375	0.2004	0.2319	
105 Naphthalene	128	25.056	25.051	0.005	99	13108	0.2004	0.1258	
106 1,2,3-Trichlorobenzene	180	25.506	25.506	0.000	96	8388	0.2004	0.1634	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00180

Amount Added: 200.00

Units: mL

ATTO15GIS_00015

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-04.D

Injection Date: 11-Dec-2017 19:26:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

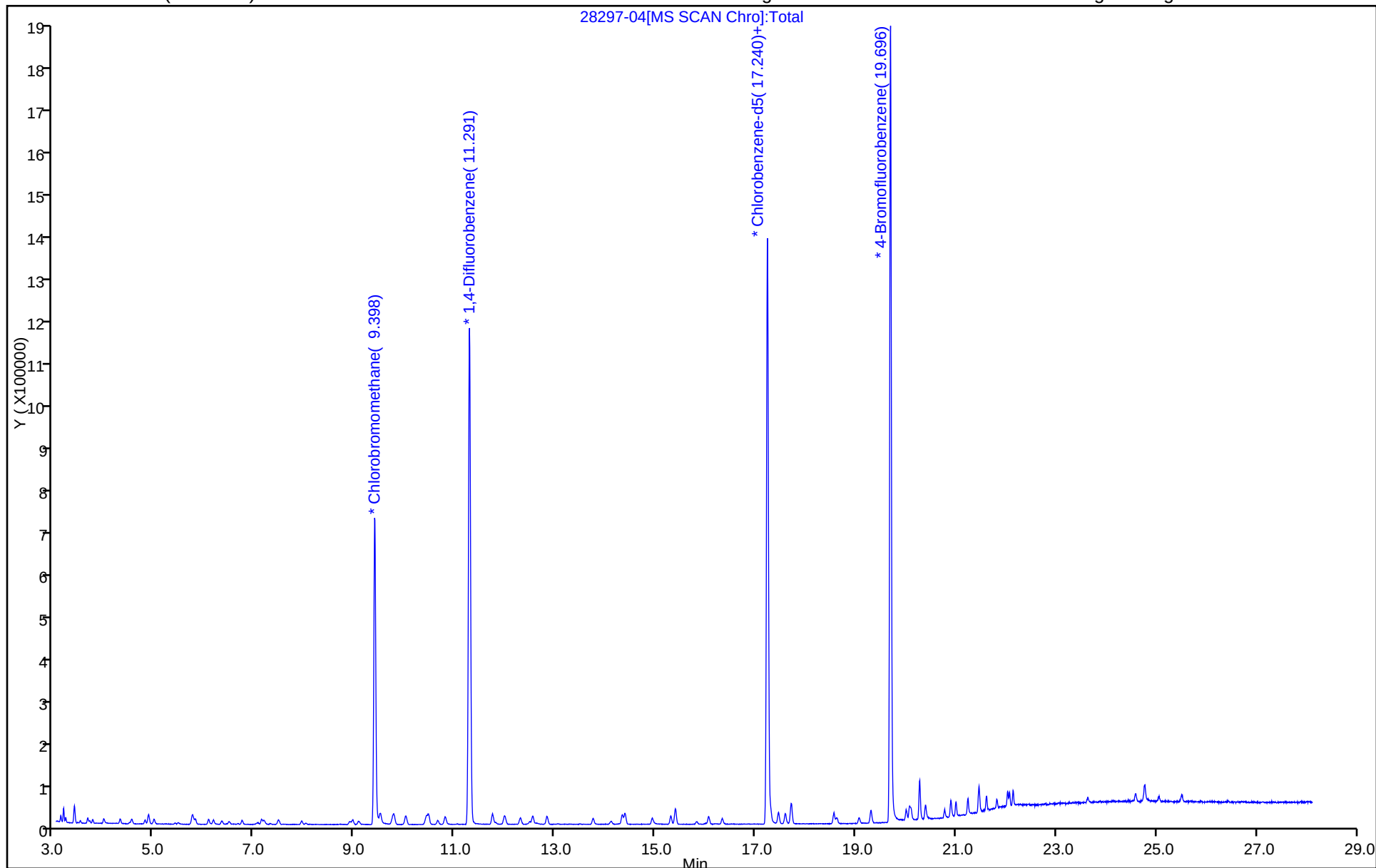
ALS Bottle#: 9

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington

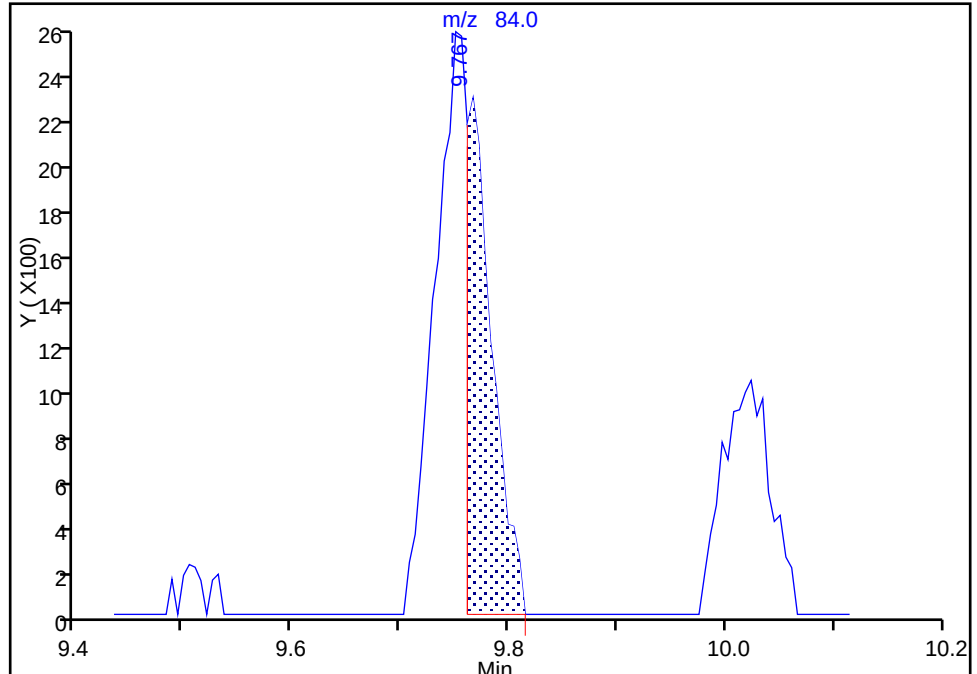
Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-04.D
Injection Date: 11-Dec-2017 19:26:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 9 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Signal: 1

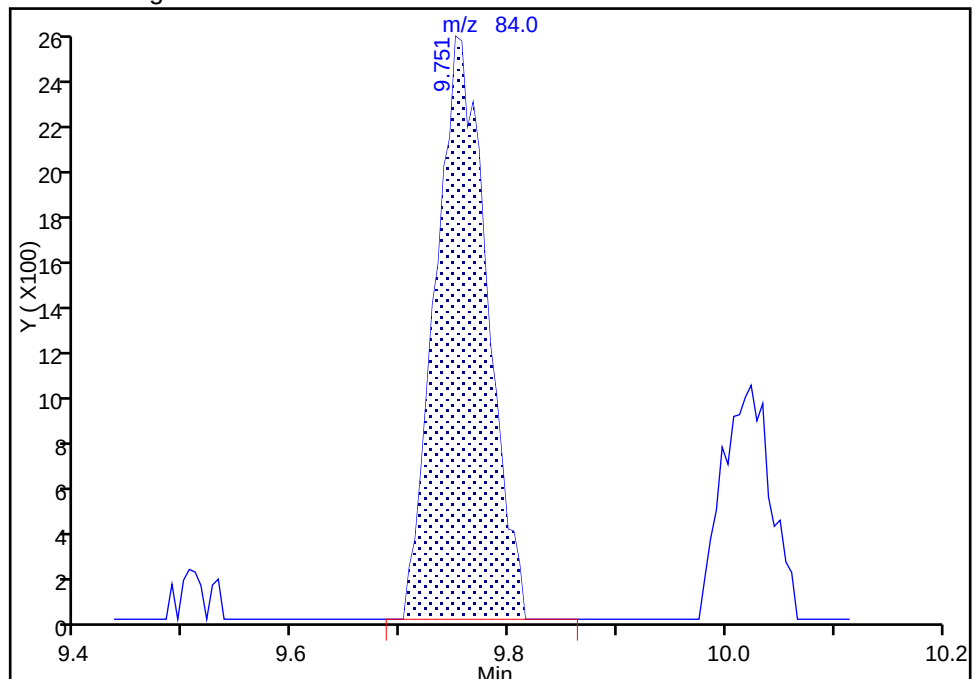
RT: 9.77
Area: 3886
Amount: 0.133869
Amount Units: ppb v/v

Processing Integration Results



RT: 9.75
Area: 8547
Amount: 0.243116
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 12-Dec-2017 11:16:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Burlington

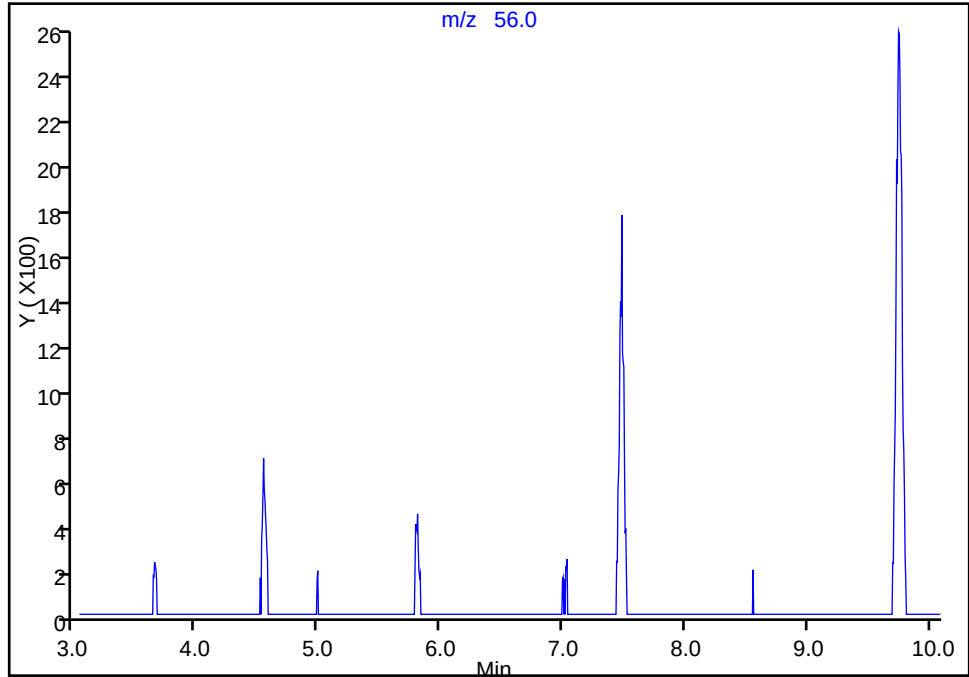
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Injection Date: 11-Dec-2017 19:26:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 9 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

43 Cyclohexane, CAS: 110-82-7

Signal: 2

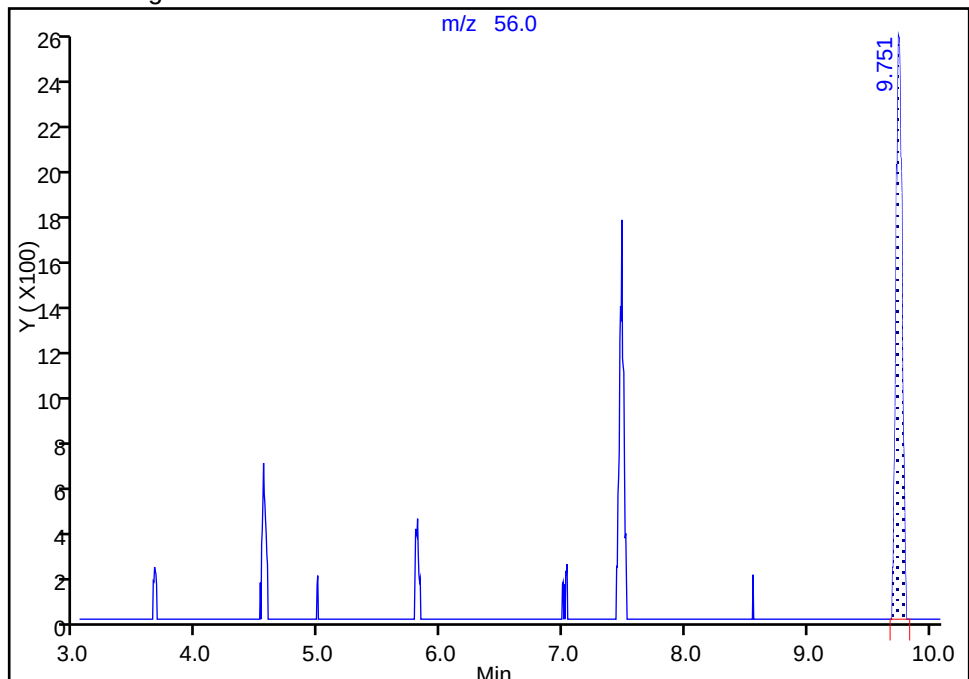
RT: 9.76
Area: 0
Amount: 0.133869
Amount Units: ppb v/v

Processing Integration Results



RT: 9.75
Area: 8729
Amount: 0.243116
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 12-Dec-2017 11:16:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Burlington

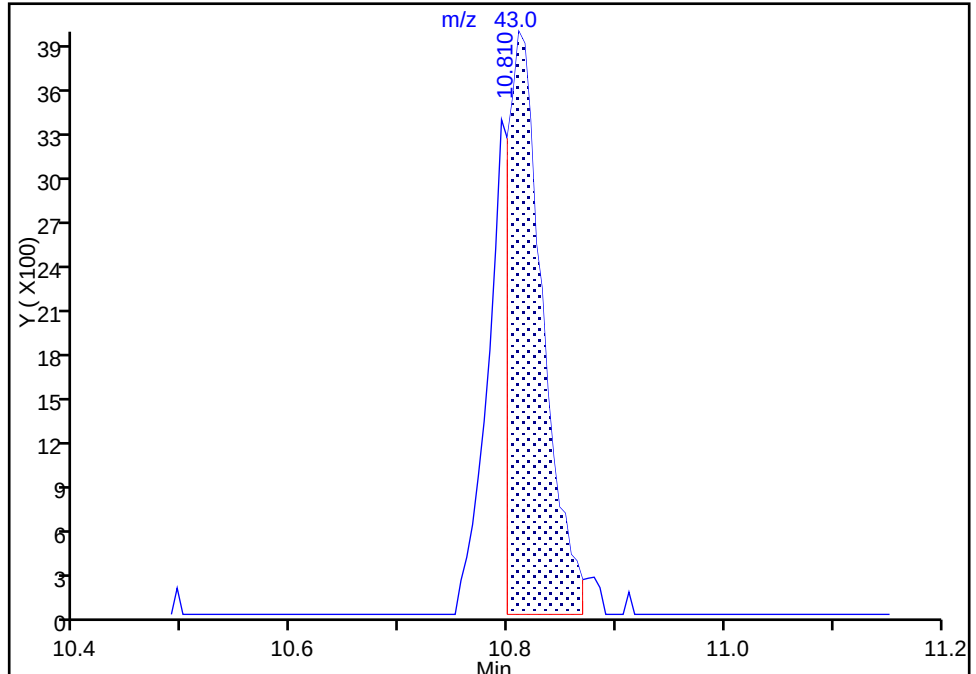
Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-04.D
Injection Date: 11-Dec-2017 19:26:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 9 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

49 n-Heptane, CAS: 142-82-5

Signal: 1

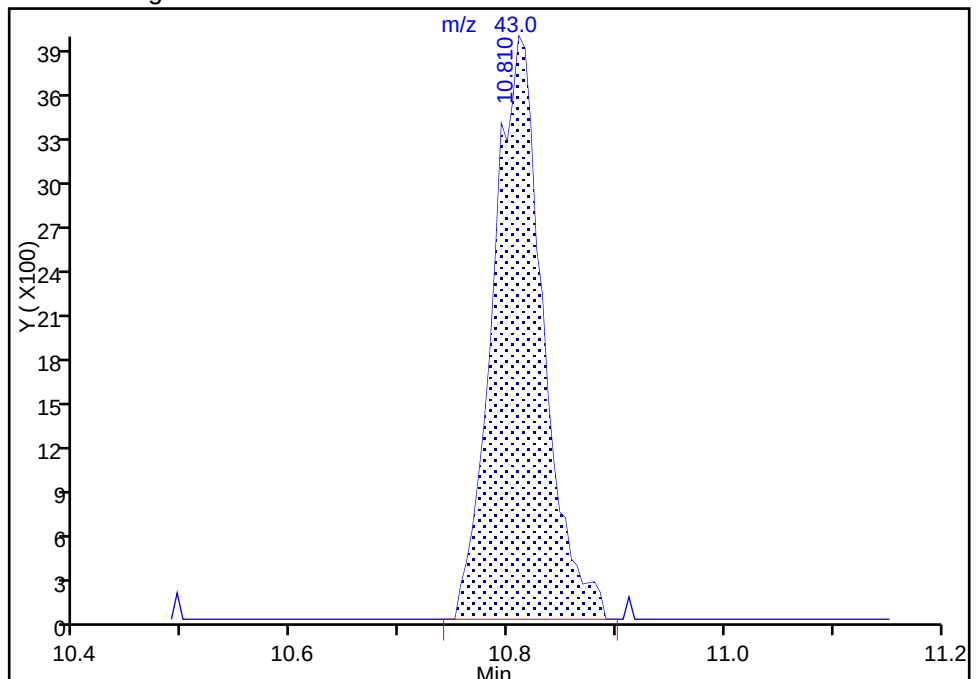
RT: 10.81
Area: 8905
Amount: 0.197059
Amount Units: ppb v/v

Processing Integration Results



RT: 10.81
Area: 12701
Amount: 0.265185
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 12-Dec-2017 11:16:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Burlington

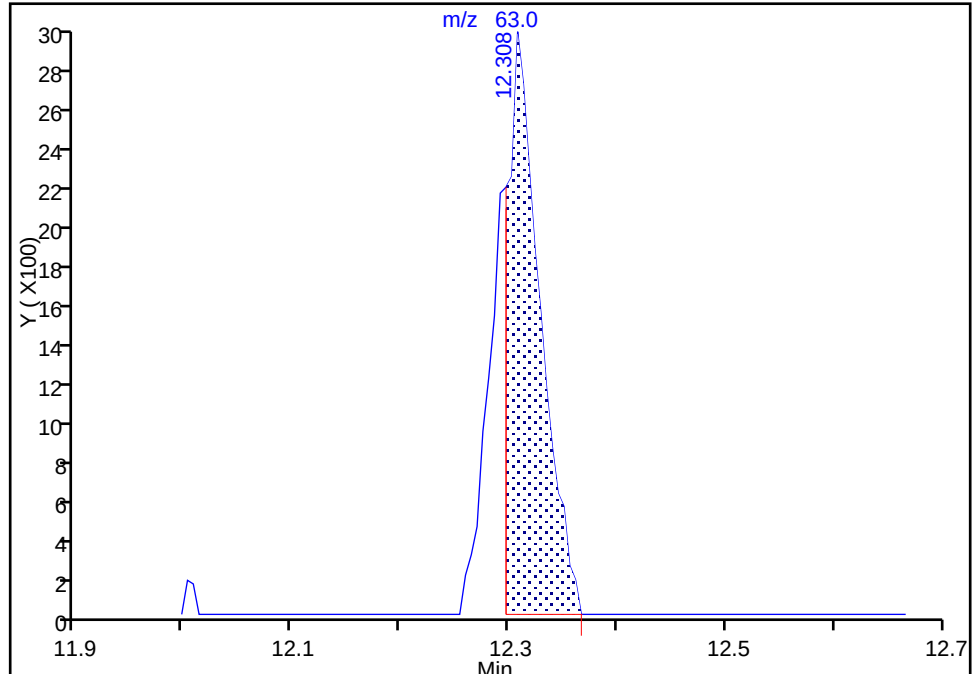
Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-04.D
Injection Date: 11-Dec-2017 19:26:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 9 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

54 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

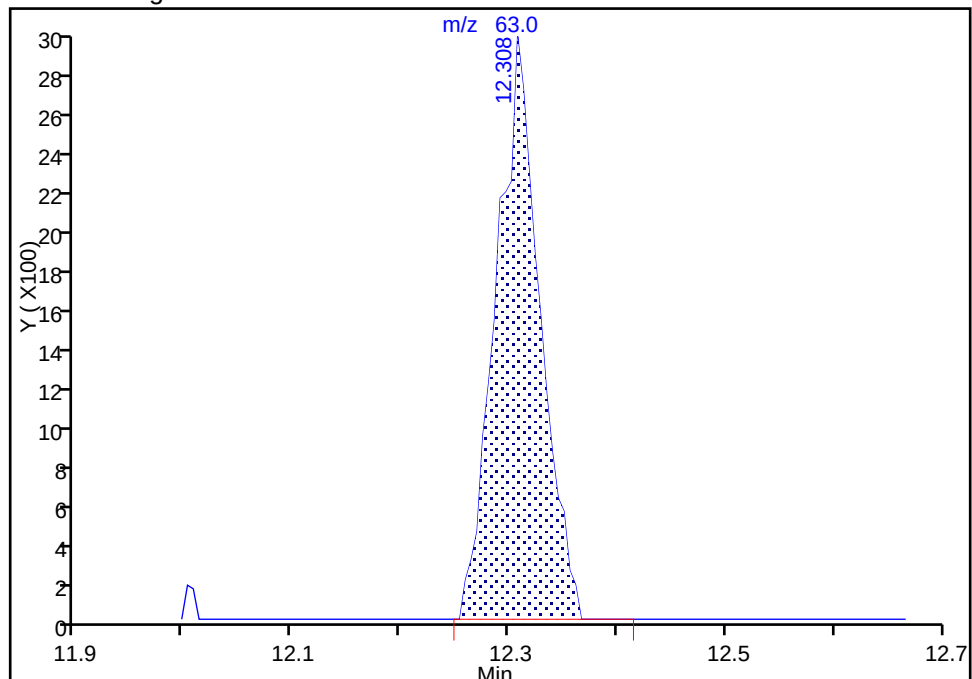
RT: 12.31
Area: 6087
Amount: 0.181468
Amount Units: ppb v/v

Processing Integration Results



RT: 12.31
Area: 8213
Amount: 0.234266
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 12-Dec-2017 11:17:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-04.D

Injection Date: 11-Dec-2017 19:26:30

Instrument ID: CHG.i

Lims ID: ic

Client ID:

Operator ID: pad

ALS Bottle#:

9

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group:

AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector

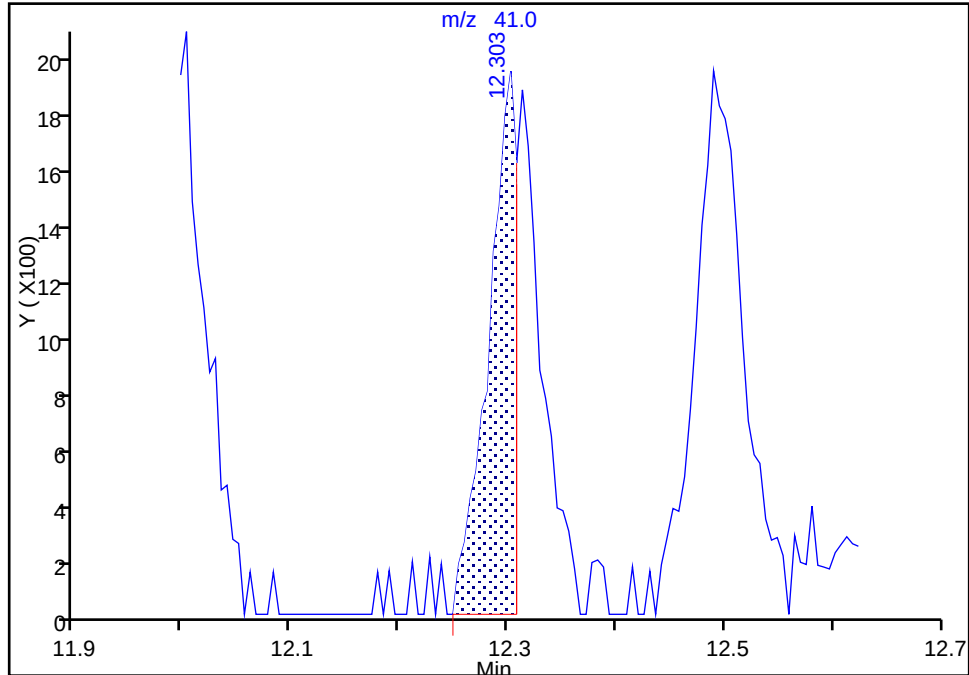
MS SCAN

54 1,2-Dichloropropane, CAS: 78-87-5

Signal: 2

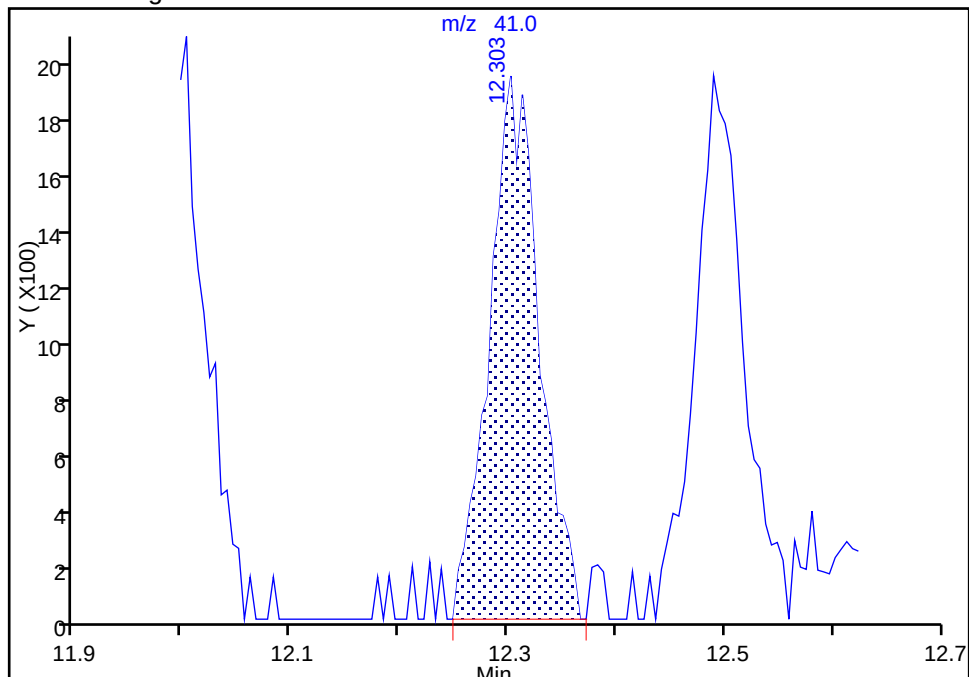
RT: 12.30
Area: 3523
Amount: 0.181468
Amount Units: ppb v/v

Processing Integration Results



RT: 12.30
Area: 6206
Amount: 0.234266
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 12-Dec-2017 11:17:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-06.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 11-Dec-2017 21:07:30 ALS Bottle#: 11 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0028297-006
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 12-Dec-2017 12:49:38 Calib Date: 12-Dec-2017 02:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: daiglep

Date: 12-Dec-2017 09:19:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.128	3.122	0.006	92	10783	0.5005	0.6144	
2 Dichlorodifluoromethane	85	3.181	3.181	0.000	99	59179	0.5005	0.5593	
3 Chlorodifluoromethane	51	3.224	3.219	0.005	96	27747	0.5005	0.5918	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.395	3.395	0.000	88	44743	0.5005	0.5312	
5 Chloromethane	50	3.513	3.508	0.005	99	12482	0.5005	0.5796	
6 Butane	43	3.663	3.663	0.000	96	17721	0.5005	0.5706	
7 Vinyl chloride	62	3.700	3.700	0.000	98	13957	0.5005	0.5195	
8 Butadiene	54	3.759	3.759	0.000	96	8912	0.5005	0.5145	
10 Bromomethane	94	4.305	4.305	0.000	98	16948	0.5005	0.5326	
11 Chloroethane	64	4.487	4.492	-0.005	97	5379	0.5005	0.5388	
12 2-Methylbutane	43	4.535	4.545	-0.010	88	10823	0.5005	0.5290	
13 Vinyl bromide	106	4.802	4.808	-0.006	98	17015	0.5005	0.5281	
14 Trichlorofluoromethane	101	4.872	4.882	-0.010	98	53161	0.5005	0.5467	
16 Pentane	43	4.984	4.995	-0.011	97	16311	0.5005	0.5710	
17 Ethanol	45	5.359	5.364	-0.005	96	32487	5.01	5.51	
18 Ethyl ether	59	5.439	5.428	0.011	91	5965	0.5005	0.4779	
20 1,1,2-Trichloro-1,2,2-trif	101	5.744	5.760	-0.016	96	32475	0.5005	0.5270	
19 Acrolein	56	5.765	5.771	-0.006	35	2042	0.5005	0.5509	
21 1,1-Dichloroethene	96	5.803	5.819	-0.016	98	13678	0.5005	0.4945	
22 Acetone	43	6.043	6.043	0.000	99	37168	0.5005	1.32	
23 Carbon disulfide	76	6.166	6.182	-0.016	100	35307	0.5005	0.5417	
24 Isopropyl alcohol	45	6.300	6.279	0.021	98	12047	0.5005	0.4467	
25 3-Chloro-1-propene	41	6.477	6.493	-0.016	92	11011	0.5005	0.5050	
26 Acetonitrile	41	6.632	6.637	-0.005	97	6099	0.5005	0.6246	
27 Methylene Chloride	49	6.733	6.750	-0.017	89	14498	0.5005	0.5811	
28 2-Methyl-2-propanol	59	6.990	6.969	0.021	94	17730	0.5005	0.4271	
29 Methyl tert-butyl ether	73	7.135	7.129	0.006	95	33799	0.5005	0.5133	
31 trans-1,2-Dichloroethene	61	7.129	7.145	-0.016	95	18120	0.5005	0.5227	
32 Acrylonitrile	53	7.290	7.301	-0.011	92	4752	0.5005	0.4678	
33 Hexane	57	7.466	7.477	-0.011	90	14514	0.5005	0.5123	
34 1,1-Dichloroethane	63	7.932	7.943	-0.010	98	23295	0.5005	0.5104	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	7.996	8.007	-0.011	99	19039	0.5005	0.4850	
37 cis-1,2-Dichloroethene	96	8.948	8.964	-0.016	91	15276	0.5005	0.4914	
38 2-Butanone (MEK)	72	9.034	9.034	0.000	96	5199	0.5005	0.5558	
39 Ethyl acetate	88	9.050	9.055	-0.005	95	418	0.5005	0.3028	
* 40 Chlorobromomethane	128	9.387	9.403	-0.016	75	312984	10.0	10.0	
41 Tetrahydrofuran	42	9.467	9.440	0.027	86	10816	0.5005	0.5348	
42 Chloroform	83	9.499	9.515	-0.016	95	37721	0.5005	0.5192	
S 30 1,2-Dichloroethene, Total	61				0		1.00	1.01	
43 Cyclohexane	84	9.745	9.761	-0.016	62	18052	0.5005	0.5067	M
44 1,1,1-Trichloroethane	97	9.772	9.788	-0.016	95	42834	0.5005	0.4959	
45 Carbon tetrachloride	117	10.007	10.024	-0.017	98	45746	0.5005	0.4864	
46 Isooctane	57	10.419	10.435	-0.016	98	64074	0.5005	0.4952	
47 Benzene	78	10.462	10.478	-0.016	96	49805	0.5005	0.5298	
48 1,2-Dichloroethane	62	10.649	10.660	-0.011	99	28458	0.5005	0.4994	
49 n-Heptane	43	10.799	10.810	-0.011	90	24817	0.5005	0.5113	
* 50 1,4-Difluorobenzene	114	11.281	11.291	-0.010	94	1545738	10.0	10.0	
52 n-Butanol	56	11.773	11.730	0.043	55	5647	0.5005	0.4445	
53 Trichloroethene	95	11.741	11.752	-0.011	95	26200	0.5005	0.4384	
54 1,2-Dichloropropane	63	12.302	12.308	-0.006	83	18208	0.5005	0.5125	
A 51 GRO	1	12.412	(4.535-20.289)		0	6788780	0.5005	0	M
55 Methyl methacrylate	69	12.474	12.479	-0.005	91	11471	0.5005	0.4253	
57 Dibromomethane	174	12.543	12.554	-0.011	96	24438	0.5005	0.4595	
56 1,4-Dioxane	88	12.597	12.559	0.038	94	8775	0.5005	0.4962	
58 Dichlorobromomethane	83	12.832	12.843	-0.011	98	41279	0.5005	0.4541	
60 cis-1,3-Dichloropropene	75	13.752	13.758	-0.006	95	28024	0.5005	0.4824	
61 4-Methyl-2-pentanone (MIBK)	43	14.089	14.073	0.016	97	23505	0.5005	0.4066	
A 59 TVOC as Toluene	92	14.314	(3.112-25.516)		0	9484642	0.5005	0	M
65 Toluene	92	14.330	14.335	-0.005	96	33599	0.5005	0.4919	
A 63 Toluene Range	92	14.335	(14.295-14.375)		0	134428	NC	NC	M
64 n-Octane	43	14.389	14.394	-0.005	90	36662	0.5005	0.5219	
A 62 C8 Range	1	14.406	(14.344-14.444)		0	156044	NC	NC	M
66 trans-1,3-Dichloropropene	75	14.935	14.940	-0.005	97	29690	0.5005	0.4934	
67 1,1,2-Trichloroethane	83	15.304	15.309	-0.005	97	18196	0.5005	0.4991	
68 Tetrachloroethene	166	15.400	15.405	-0.005	95	36086	0.5005	0.4815	
69 2-Hexanone	43	15.807	15.791	0.016	93	20726	0.5005	0.3934	
71 Chlorodibromomethane	129	16.063	16.069	-0.006	97	35995	0.5005	0.4172	
72 Ethylene Dibromide	107	16.331	16.336	-0.005	97	32019	0.5005	0.4479	
* 74 Chlorobenzene-d5	117	17.235	17.240	-0.005	86	1297391	10.0	10.0	
75 Chlorobenzene	112	17.299	17.299	0.000	96	45854	0.5005	0.4768	
76 Ethylbenzene	91	17.454	17.460	-0.006	99	70439	0.5005	0.4907	
77 n-Nonane	57	17.593	17.593	0.000	88	29787	0.5005	0.5035	
78 m-Xylene & p-Xylene	106	17.711	17.716	-0.005	0	55974	1.00	0.9833	
79 o-Xylene	106	18.567	18.567	0.000	97	27552	0.5005	0.4743	
80 Styrene	104	18.620	18.626	-0.006	98	31176	0.5005	0.3975	
81 Bromoform	173	19.065	19.070	-0.006	95	25633	0.5005	0.3803	
82 Isopropylbenzene	105	19.300	19.305	-0.005	97	77714	0.5005	0.4787	
S 73 Xylenes, Total	106				0		1.50	1.46	
* 83 4-Bromofluorobenzene	95	19.690	19.696	-0.006	95	898415	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.006	20.006	0.000	98	39800	0.5005	0.4849	
85 N-Propylbenzene	91	20.070	20.076	-0.006	99	88374	0.5005	0.4776	
86 1,2,3-Trichloropropane	75	20.102	20.108	-0.006	98	32289	0.5005	0.5083	
87 n-Decane	57	20.274	20.279	-0.005	63	30024	0.5005	0.4950	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	20.274	20.279	-0.005	95	65883	0.5005	0.5016	
88 4-Ethyltoluene	105	20.279	20.279	0.000	97	71530	0.5005	0.4830	
90 1,3,5-Trimethylbenzene	105	20.391	20.391	0.000	93	61502	0.5005	0.4648	
91 Alpha Methyl Styrene	118	20.776	20.776	0.000	87	21632	0.5005	0.3548	
92 tert-Butylbenzene	119	20.899	20.899	0.000	92	58894	0.5005	0.4540	
93 1,2,4-Trimethylbenzene	105	21.001	21.001	0.000	98	61232	0.5005	0.4645	
94 sec-Butylbenzene	105	21.236	21.242	-0.006	98	84989	0.5005	0.4584	
95 4-Isopropyltoluene	119	21.450	21.456	-0.006	96	70882	0.5005	0.4527	
96 1,3-Dichlorobenzene	146	21.467	21.472	-0.005	98	43509	0.5005	0.4332	
97 1,4-Dichlorobenzene	146	21.611	21.611	0.000	93	41133	0.5005	0.4118	
98 Benzyl chloride	91	21.814	21.820	-0.006	98	42635	0.5005	0.3854	
100 n-Butylbenzene	91	22.034	22.034	0.000	97	54387	0.5005	0.4038	
99 Undecane	57	22.071	22.071	0.000	94	28207	0.5005	0.4053	
101 1,2-Dichlorobenzene	146	22.146	22.141	0.005	95	41262	0.5005	0.4391	
102 Dodecane	57	23.628	23.628	0.000	94	16246	0.5005	0.2909	
103 1,2,4-Trichlorobenzene	180	24.585	24.585	0.000	93	22856	0.5005	0.3673	M
104 Hexachlorobutadiene	225	24.767	24.767	0.000	95	29949	0.5005	0.4906	
105 Naphthalene	128	25.045	25.051	-0.006	99	29506	0.5005	0.2676	M
106 1,2,3-Trichlorobenzene	180	25.506	25.506	0.000	92	20144	0.5005	0.3708	M

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL2w_00246

Amount Added: 200.00

Units: mL

ATTO15GIS_00015

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-06.D

Injection Date: 11-Dec-2017 21:07:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

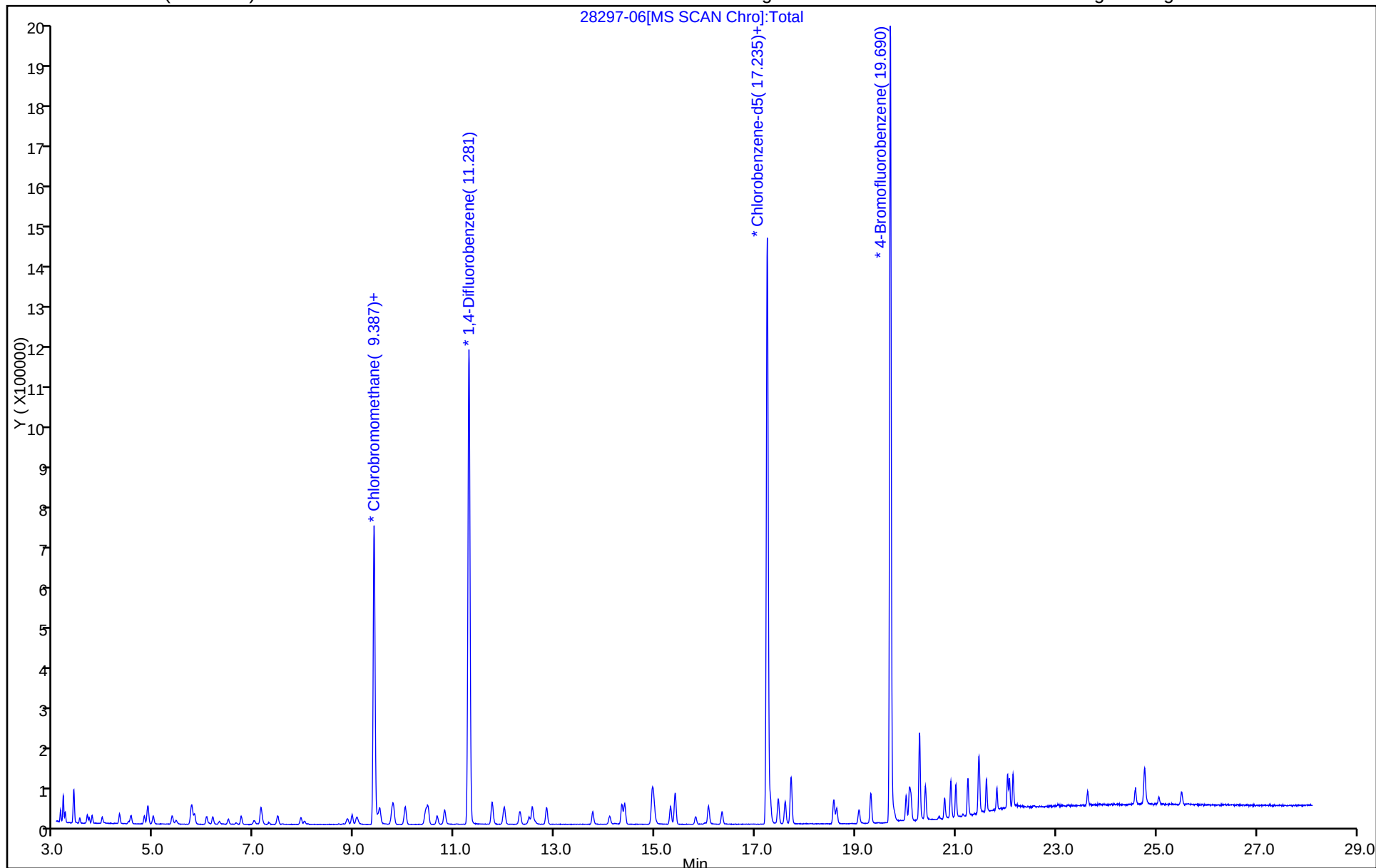
ALS Bottle#: 11

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington

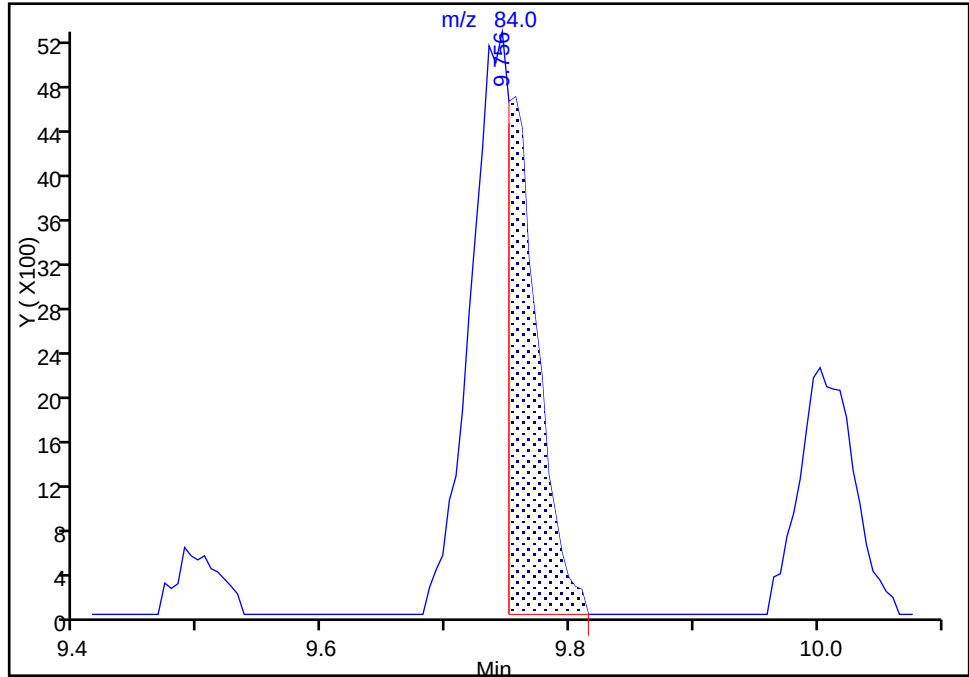
Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-06.D
Injection Date: 11-Dec-2017 21:07:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 11 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Signal: 1

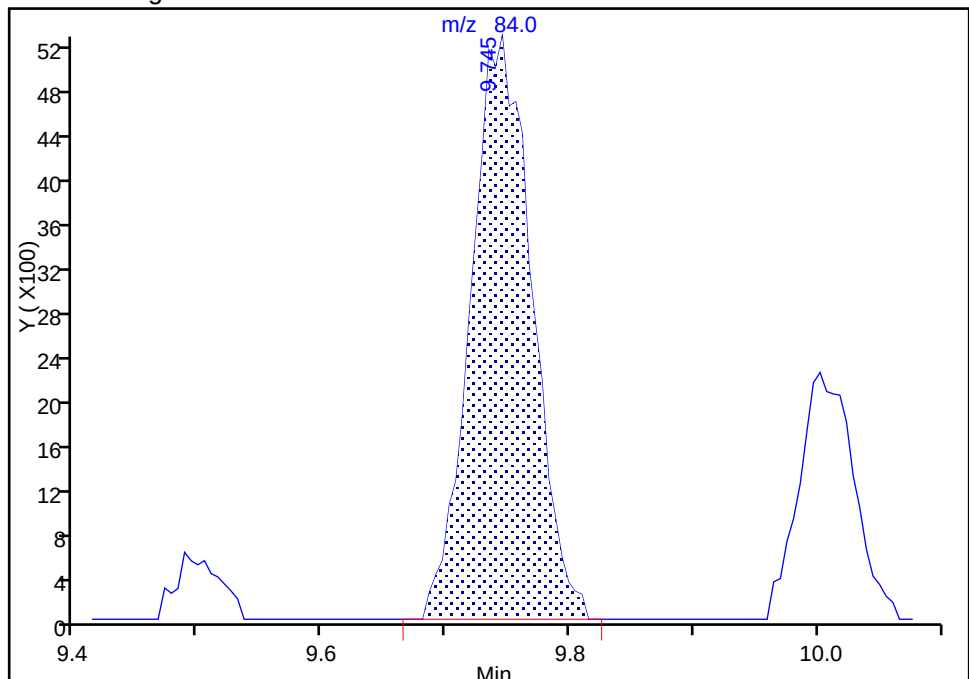
RT: 9.76
Area: 8092
Amount: 0.246844
Amount Units: ppb v/v

Processing Integration Results



RT: 9.75
Area: 18052
Amount: 0.506723
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 12-Dec-2017 11:26:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-06.D

Injection Date: 11-Dec-2017 21:07:30

Instrument ID: CHG.i

Lims ID: ic

Client ID:

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

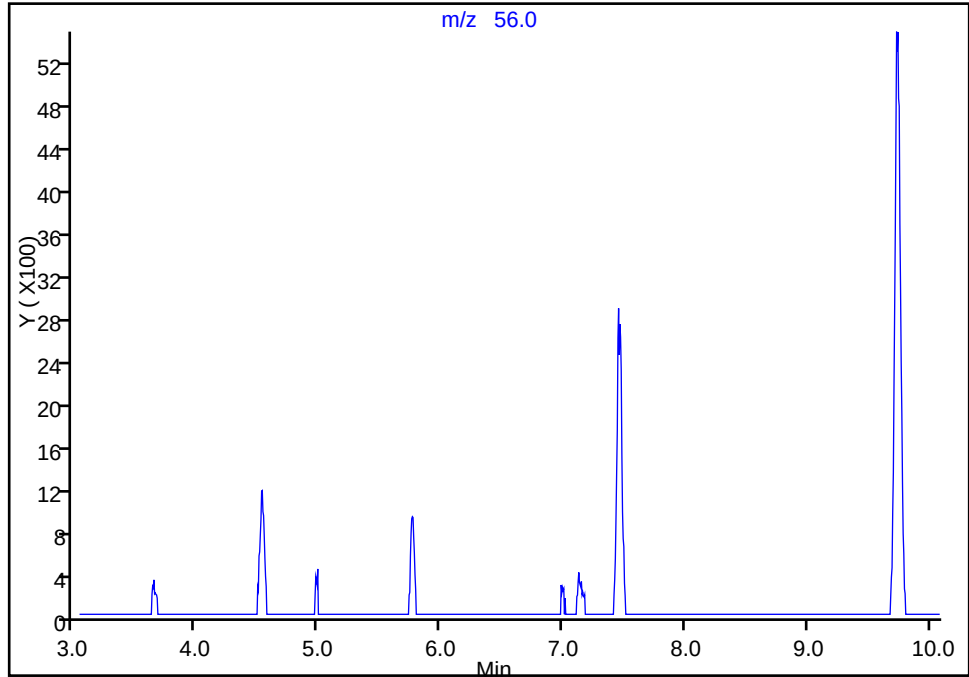
Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

Signal: 2

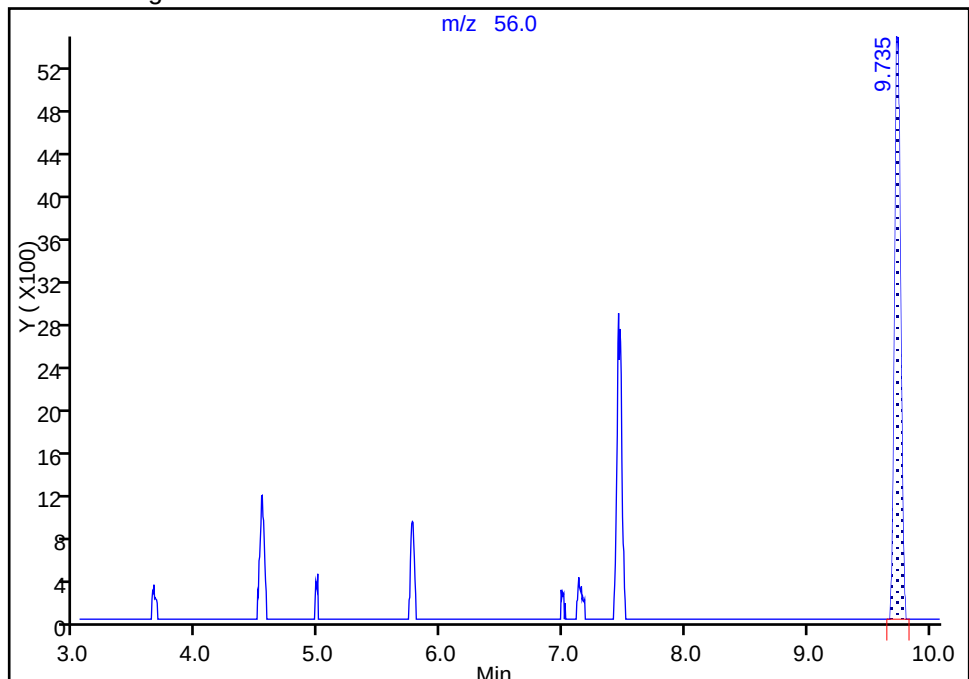
RT: 9.76
Area: 0
Amount: 0.246844
Amount Units: ppb v/v

Processing Integration Results



RT: 9.73
Area: 18161
Amount: 0.506723
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 12-Dec-2017 11:26:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Burlington

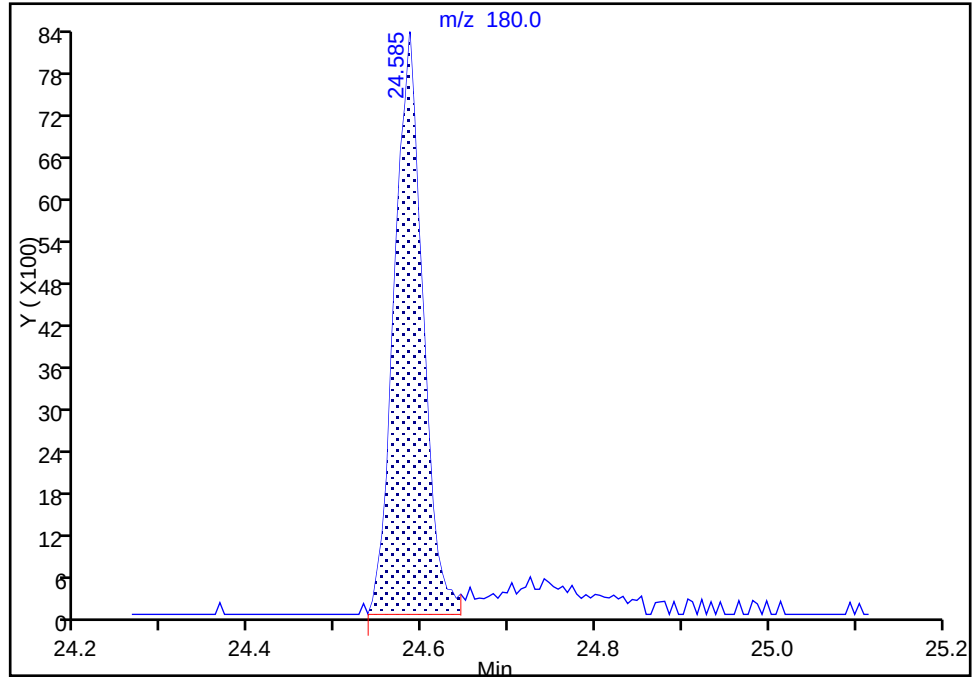
Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-06.D
Injection Date: 11-Dec-2017 21:07:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 11 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

103 1,2,4-Trichlorobenzene, CAS: 120-82-1

Signal: 1

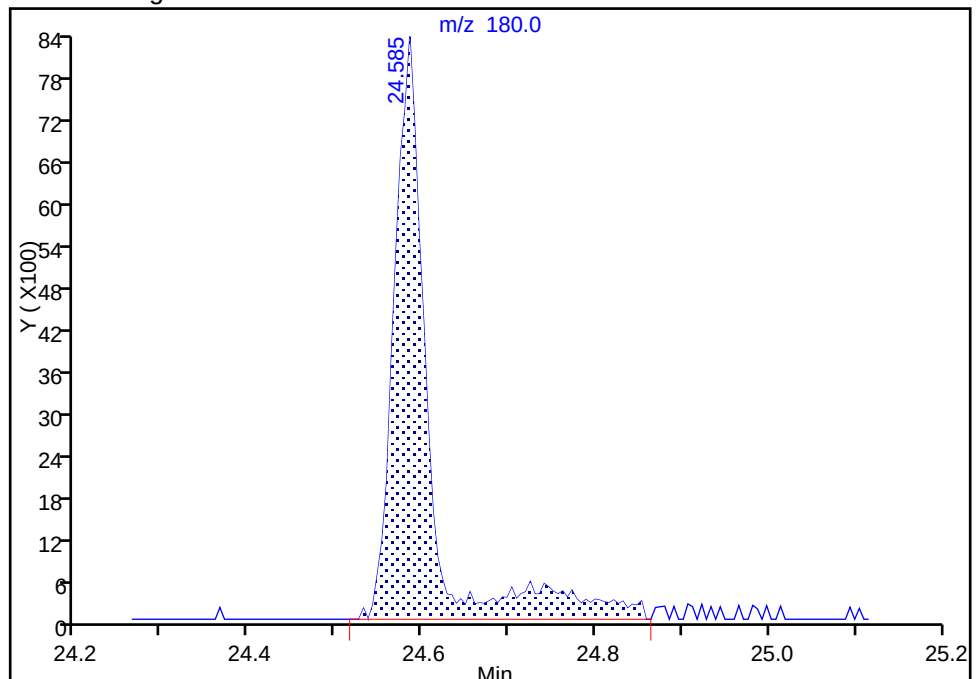
RT: 24.59
Area: 18970
Amount: 0.311341
Amount Units: ppb v/v

Processing Integration Results



RT: 24.59
Area: 22856
Amount: 0.367317
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 12-Dec-2017 11:27:37

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Burlington

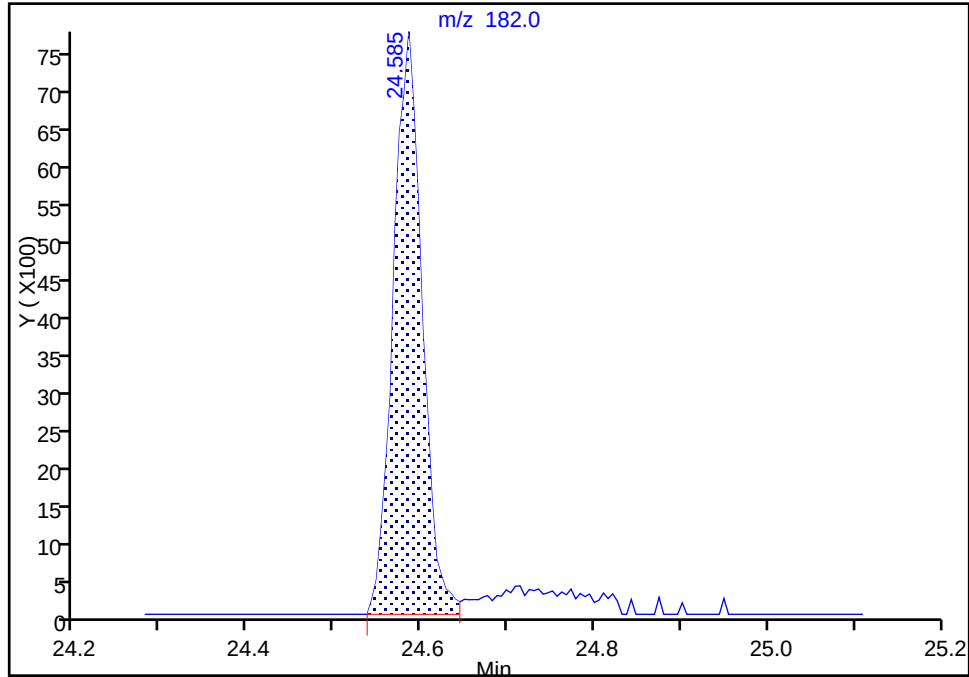
Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-06.D
Injection Date: 11-Dec-2017 21:07:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 11 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

103 1,2,4-Trichlorobenzene, CAS: 120-82-1

Signal: 2

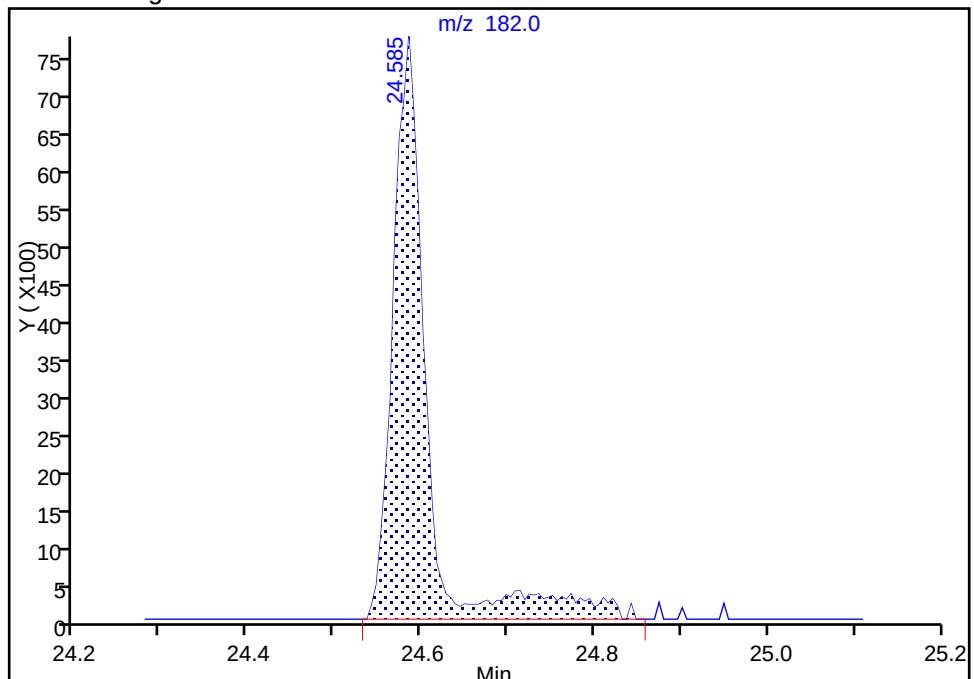
RT: 24.59
Area: 17745
Amount: 0.311341
Amount Units: ppb v/v

Processing Integration Results



RT: 24.59
Area: 20620
Amount: 0.367317
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 12-Dec-2017 11:28:04

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Burlington

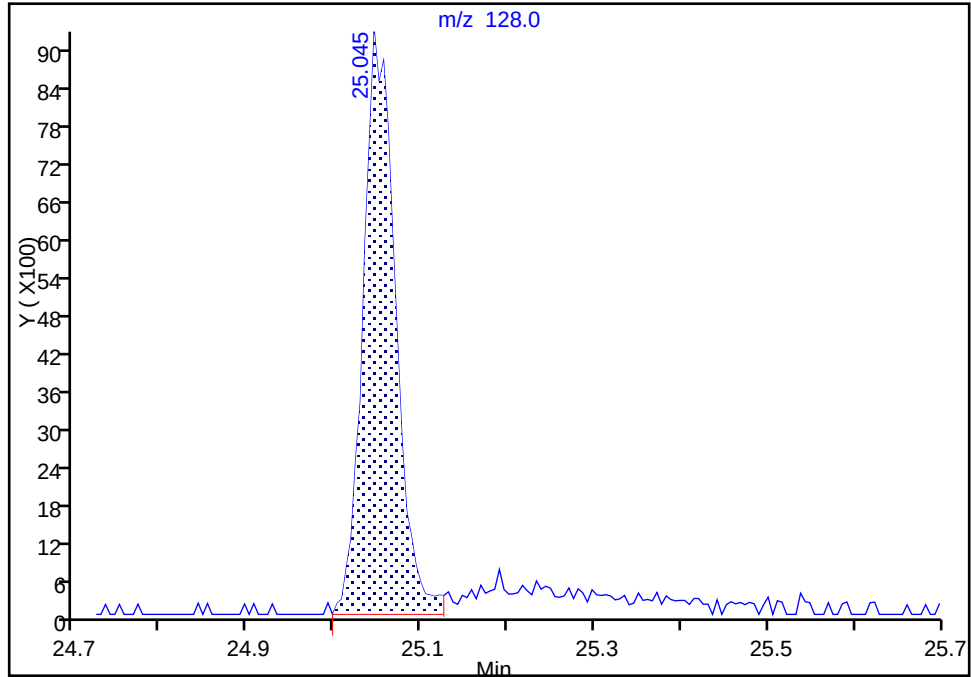
Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-06.D
Injection Date: 11-Dec-2017 21:07:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 11 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

105 Naphthalene, CAS: 91-20-3

Signal: 1

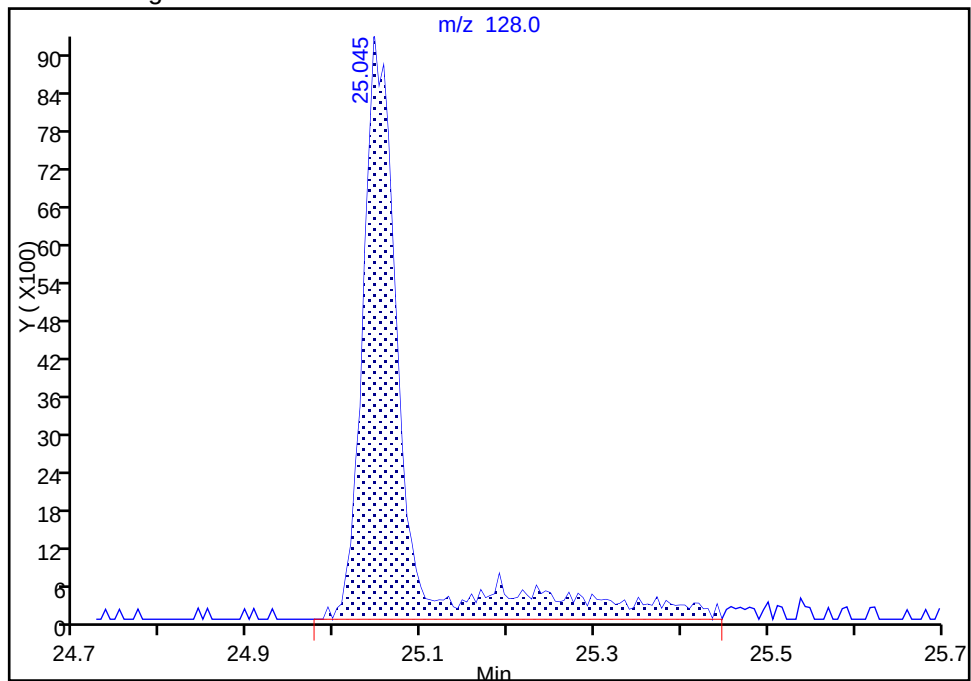
RT: 25.05
Area: 23810
Amount: 0.219741
Amount Units: ppb v/v

Processing Integration Results



RT: 25.05
Area: 29506
Amount: 0.267624
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 12-Dec-2017 11:28:18
Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Burlington

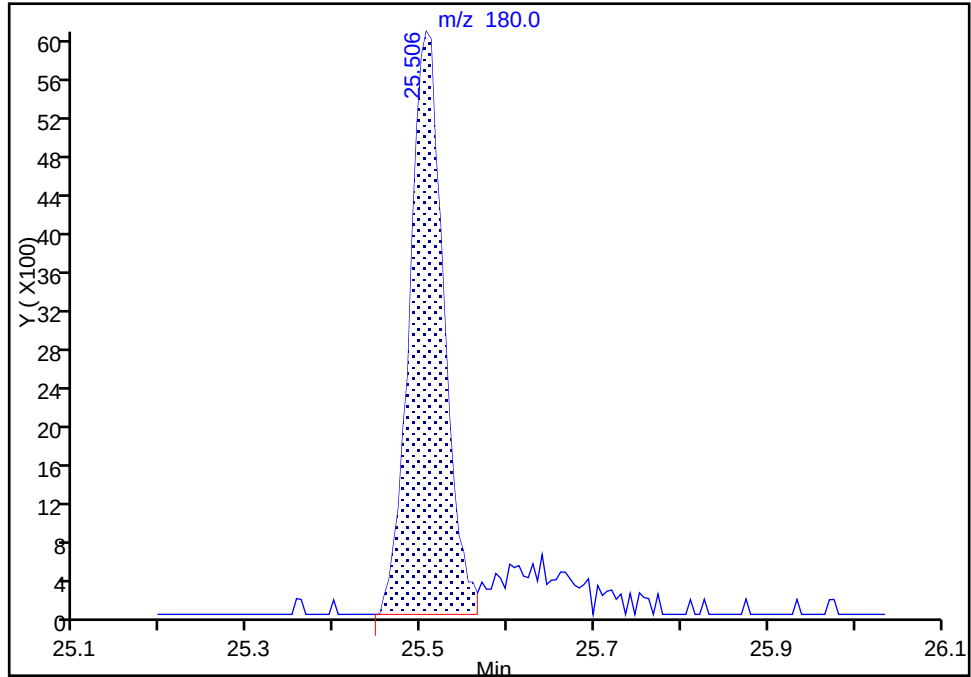
Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-06.D
Injection Date: 11-Dec-2017 21:07:30 Instrument ID: CHG.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 11 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

106 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

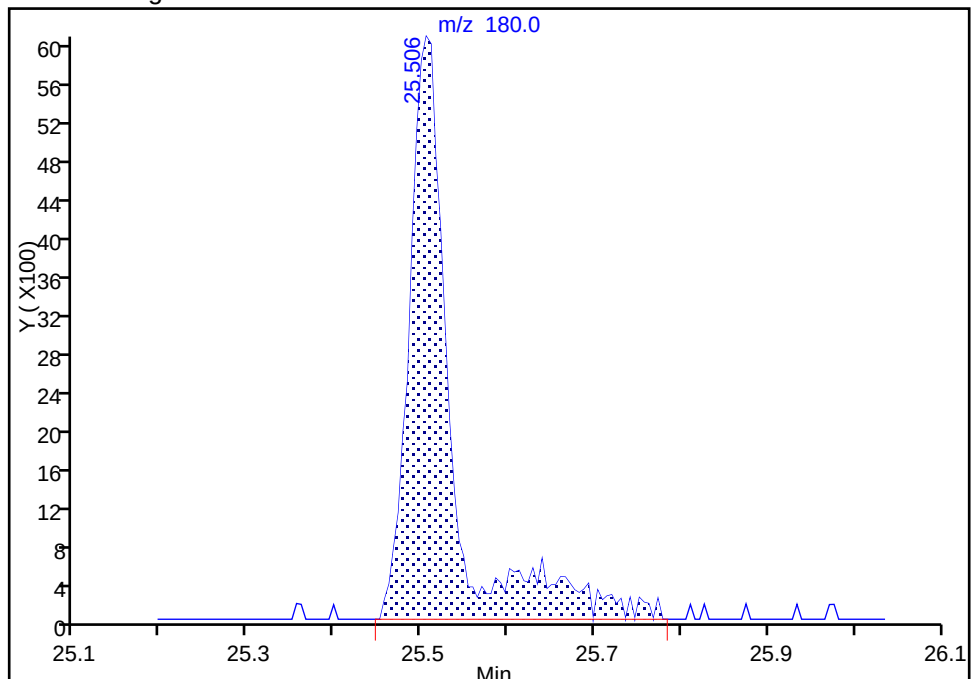
RT: 25.51
Area: 16438
Amount: 0.317159
Amount Units: ppb v/v

Processing Integration Results



RT: 25.51
Area: 20144
Amount: 0.370846
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 12-Dec-2017 11:28:31
Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-07.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Dec-2017 21:58:30 ALS Bottle#: 12 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0028297-007
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 12-Dec-2017 12:49:43 Calib Date: 12-Dec-2017 02:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: daiglep

Date: 12-Dec-2017 11:29:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.133	3.122	0.011	95	96079	4.99	5.76	
2 Dichlorodifluoromethane	85	3.187	3.181	0.006	99	581482	4.99	5.78	
3 Chlorodifluoromethane	51	3.224	3.219	0.005	96	255726	4.99	5.74	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.401	3.395	0.006	96	444999	4.99	5.56	
5 Chloromethane	50	3.518	3.508	0.010	99	115196	4.99	5.63	
6 Butane	43	3.674	3.663	0.011	96	170034	4.99	5.76	
7 Vinyl chloride	62	3.706	3.700	0.006	98	138371	4.99	5.42	
8 Butadiene	54	3.765	3.759	0.005	95	91486	4.99	5.55	
10 Bromomethane	94	4.310	4.305	0.005	98	165145	4.99	5.46	
11 Chloroethane	64	4.497	4.492	0.005	97	55344	4.99	5.83	
12 2-Methylbutane	43	4.551	4.545	0.006	88	105053	4.99	5.40	
13 Vinyl bromide	106	4.813	4.808	0.005	98	170168	4.99	5.55	
14 Trichlorofluoromethane	101	4.888	4.882	0.006	99	511488	4.99	5.53	
16 Pentane	43	5.000	4.995	0.005	97	157593	4.99	5.80	
17 Ethanol	45	5.369	5.364	0.005	95	45563	10.0	8.13	
18 Ethyl ether	59	5.439	5.428	0.011	95	64431	4.99	5.43	
20 1,1,2-Trichloro-1,2,2-trif	101	5.765	5.760	0.005	98	318533	4.99	5.44	
19 Acrolein	56	5.771	5.771	0.000	89	22810	4.99	6.47	
21 1,1-Dichloroethene	96	5.819	5.819	0.000	98	138292	4.99	5.26	
22 Acetone	43	6.054	6.043	0.011	100	145430	4.99	5.43	
23 Carbon disulfide	76	6.183	6.182	0.001	100	357161	4.99	5.76	
24 Isopropyl alcohol	45	6.290	6.279	0.011	99	141976	4.99	5.54	
25 3-Chloro-1-propene	41	6.493	6.493	0.000	95	125951	4.99	6.08	
26 Acetonitrile	41	6.637	6.637	0.000	97	49943	4.99	5.38	
27 Methylene Chloride	49	6.750	6.750	0.000	90	132758	4.99	5.60	
28 2-Methyl-2-propanol	59	6.985	6.969	0.016	95	208711	4.99	5.29	
29 Methyl tert-butyl ether	73	7.140	7.129	0.011	95	338278	4.99	5.40	
31 trans-1,2-Dichloroethene	61	7.140	7.145	-0.005	94	180647	4.99	5.48	
32 Acrylonitrile	53	7.301	7.301	0.000	91	52060	4.99	5.39	
33 Hexane	57	7.477	7.477	0.000	89	144032	4.99	5.35	
34 1,1-Dichloroethane	63	7.948	7.943	0.006	99	235851	4.99	5.43	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	8.012	8.007	0.005	100	205181	4.99	5.50	
37 cis-1,2-Dichloroethene	96	8.964	8.964	0.000	91	160457	4.99	5.43	
38 2-Butanone (MEK)	72	9.039	9.034	0.005	99	47694	4.99	5.36	
39 Ethyl acetate	88	9.061	9.055	0.006	99	7385	4.99	5.63	
* 40 Chlorobromomethane	128	9.403	9.403	0.000	75	297606	10.0	10.0	
41 Tetrahydrofuran	42	9.451	9.440	0.011	84	103218	4.99	5.78	
42 Chloroform	83	9.515	9.515	0.000	96	378763	4.99	5.48	
S 30 1,2-Dichloroethene, Total	61				0		9.99	10.9	
43 Cyclohexane	84	9.756	9.761	-0.005	94	176572	4.99	5.62	
44 1,1,1-Trichloroethane	97	9.788	9.788	0.000	94	440114	4.99	5.77	
45 Carbon tetrachloride	117	10.024	10.024	0.000	98	496808	4.99	5.99	
46 Isooctane	57	10.436	10.435	0.001	98	645530	4.99	5.65	
47 Benzene	78	10.478	10.478	0.000	96	443673	4.99	5.35	
48 1,2-Dichloroethane	62	10.660	10.660	0.000	99	280111	4.99	5.57	
49 n-Heptane	43	10.805	10.810	-0.005	93	247672	4.99	5.78	
* 50 1,4-Difluorobenzene	114	11.292	11.291	0.001	94	1364260	10.0	10.0	
52 n-Butanol	56	11.752	11.730	0.022	32	57253	4.99	5.11	
53 Trichloroethene	95	11.752	11.752	0.000	96	295242	4.99	5.60	
54 1,2-Dichloropropane	63	12.308	12.308	0.000	84	179224	4.99	5.72	
A 51 GRO	1	12.412	(4.535-20.289)		0	65888046	4.99	0	
55 Methyl methacrylate	69	12.485	12.479	0.006	91	135336	4.99	5.69	
57 Dibromomethane	174	12.554	12.554	0.000	96	255352	4.99	5.44	
56 1,4-Dioxane	88	12.565	12.559	0.006	93	90987	4.99	5.83	
58 Dichlorobromomethane	83	12.838	12.843	-0.005	98	475612	4.99	5.93	
60 cis-1,3-Dichloropropene	75	13.758	13.758	0.000	96	291748	4.99	5.69	
61 4-Methyl-2-pentanone (MIBK)	43	14.084	14.073	0.011	98	321690	4.99	6.30	
A 59 TVOC as Toluene	92	14.314	(3.112-25.516)		0	102284078	4.99	0	
65 Toluene	92	14.336	14.335	0.001	94	348441	4.99	5.67	
A 63 Toluene Range	92	14.335	(14.295-14.375)		0	1494254	NC	NC	
64 n-Octane	43	14.394	14.394	0.000	91	367954	4.99	5.94	
A 62 C8 Range	1	14.411	(14.344-14.444)		0	1466161	NC	NC	
66 trans-1,3-Dichloropropene	75	14.940	14.940	0.000	98	312990	4.99	5.89	
67 1,1,2-Trichloroethane	83	15.309	15.309	0.000	99	191511	4.99	5.84	
68 Tetrachloroethene	166	15.400	15.405	-0.005	95	379949	4.99	5.63	
69 2-Hexanone	43	15.796	15.791	0.005	93	295579	4.99	6.23	
71 Chlorodibromomethane	129	16.069	16.069	0.000	97	484111	4.99	6.24	
72 Ethylene Dibromide	107	16.336	16.336	0.000	98	372009	4.99	5.78	
* 74 Chlorobenzene-d5	117	17.240	17.240	0.000	86	1167585	10.0	10.0	
75 Chlorobenzene	112	17.299	17.299	0.000	95	477368	4.99	5.52	
76 Ethylbenzene	91	17.460	17.460	0.000	98	732598	4.99	5.67	
77 n-Nonane	57	17.593	17.593	0.000	88	309011	4.99	5.80	
78 m-Xylene & p-Xylene	106	17.711	17.716	-0.005	0	583240	9.99	11.4	
79 o-Xylene	106	18.567	18.567	0.000	99	293407	4.99	5.61	
80 Styrene	104	18.626	18.626	0.000	98	416989	4.99	5.91	
81 Bromoform	173	19.070	19.070	0.000	96	452789	4.99	7.46	
82 Isopropylbenzene	105	19.305	19.305	0.000	96	822982	4.99	5.63	
S 73 Xylenes, Total	106				0		15.0	17.0	
* 83 4-Bromofluorobenzene	95	19.696	19.696	0.000	96	805455	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.006	20.006	0.000	99	413120	4.99	5.59	
85 N-Propylbenzene	91	20.076	20.076	0.000	99	954988	4.99	5.74	
86 1,2,3-Trichloropropane	75	20.108	20.108	0.000	97	326895	4.99	5.72	
87 n-Decane	57	20.279	20.279	0.000	63	350101	4.99	6.41	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	20.274	20.279	-0.005	91	693609	4.99	5.87	
88 4-Ethyltoluene	105	20.279	20.279	0.000	87	788610	4.99	5.92	
90 1,3,5-Trimethylbenzene	105	20.391	20.391	0.000	93	669914	4.99	5.63	
91 Alpha Methyl Styrene	118	20.777	20.776	0.001	90	326689	4.99	5.95	
92 tert-Butylbenzene	119	20.900	20.899	0.001	94	650802	4.99	5.57	
93 1,2,4-Trimethylbenzene	105	21.001	21.001	0.000	98	675017	4.99	5.69	
94 sec-Butylbenzene	105	21.242	21.242	0.000	98	963013	4.99	5.77	
95 4-Isopropyltoluene	119	21.456	21.456	0.000	97	830304	4.99	5.89	
96 1,3-Dichlorobenzene	146	21.472	21.472	0.000	97	530952	4.99	5.87	
97 1,4-Dichlorobenzene	146	21.611	21.611	0.000	95	525849	4.99	5.85	
98 Benzyl chloride	91	21.820	21.820	0.000	98	617850	4.99	6.21	
100 n-Butylbenzene	91	22.034	22.034	0.000	99	735884	4.99	6.07	
99 Undecane	57	22.071	22.071	0.000	94	382477	4.99	6.11	
101 1,2-Dichlorobenzene	146	22.141	22.141	0.000	97	489424	4.99	5.79	
102 Dodecane	57	23.628	23.628	0.000	96	299286	4.99	5.95	
103 1,2,4-Trichlorobenzene	180	24.586	24.585	0.001	94	337295	4.99	6.02	
104 Hexachlorobutadiene	225	24.767	24.767	0.000	96	327780	4.99	5.97	
105 Naphthalene	128	25.051	25.051	0.000	99	645698	4.99	6.51	
106 1,2,3-Trichlorobenzene	180	25.506	25.506	0.000	95	301127	4.99	6.16	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL3w_00190

Amount Added: 200.00

Units: mL

ATTO15GIS_00015

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-07.D

Injection Date: 11-Dec-2017 21:58:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 7

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

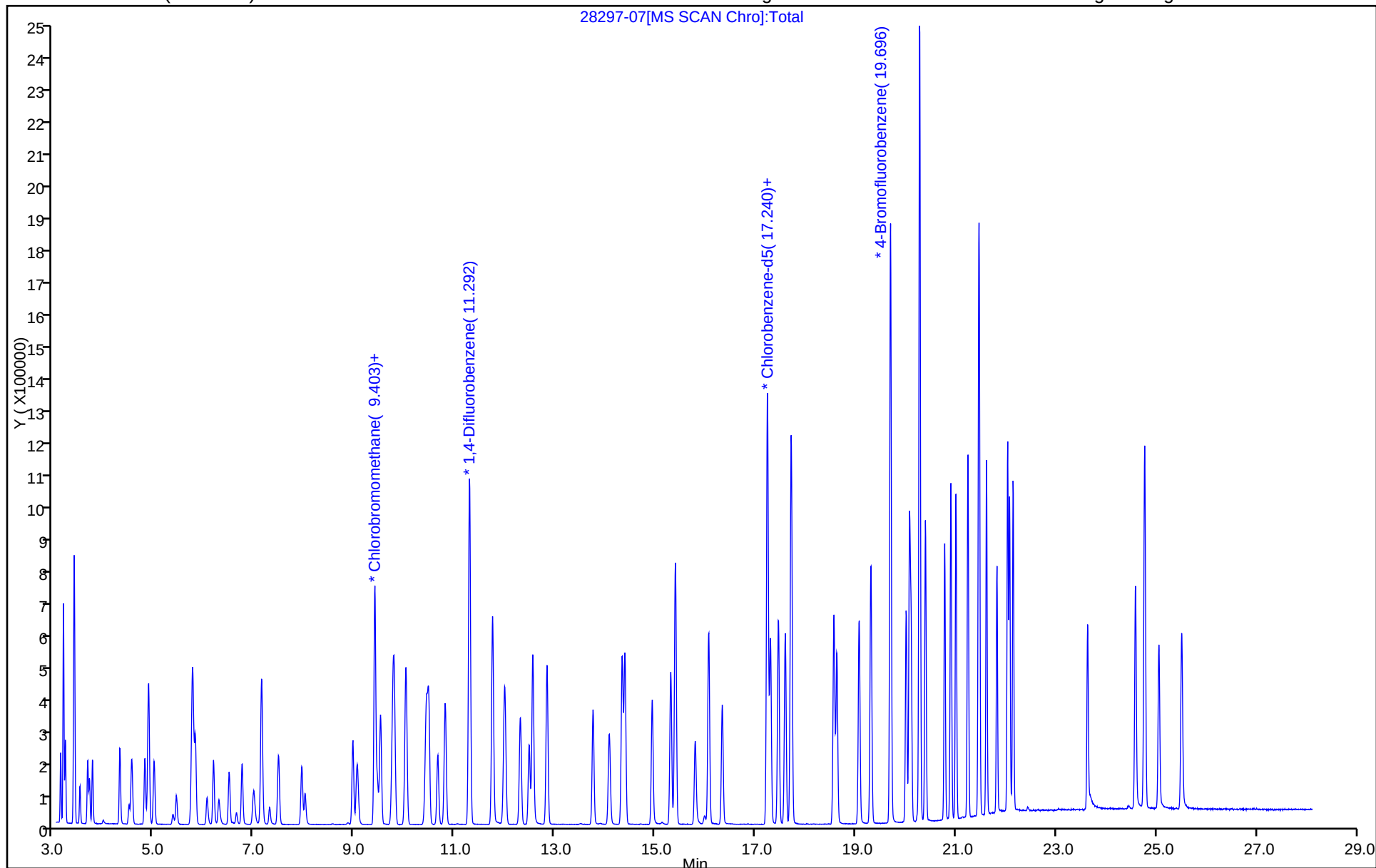
ALS Bottle#: 12

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-08.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 11-Dec-2017 22:48:30 ALS Bottle#: 13 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0028297-008
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 12-Dec-2017 12:49:47 Calib Date: 12-Dec-2017 02:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: daiglep

Date: 12-Dec-2017 12:10:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.122	3.122	0.000	96	189392	10.0	11.0	
2 Dichlorodifluoromethane	85	3.181	3.181	0.000	99	1128296	10.0	10.9	
3 Chlorodifluoromethane	51	3.219	3.219	0.000	96	492914	10.0	10.7	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.395	3.395	0.000	98	856148	10.0	10.3	
5 Chloromethane	50	3.508	3.508	0.000	99	227220	10.0	10.7	
6 Butane	43	3.663	3.663	0.000	96	329347	10.0	10.8	
7 Vinyl chloride	62	3.700	3.700	0.000	98	273022	10.0	10.3	
8 Butadiene	54	3.759	3.759	0.000	95	179539	10.0	10.5	
10 Bromomethane	94	4.305	4.305	0.000	98	329138	10.0	10.5	
11 Chloroethane	64	4.492	4.492	0.000	98	108948	10.0	11.1	
12 2-Methylbutane	43	4.545	4.545	0.000	88	205860	10.0	10.2	
13 Vinyl bromide	106	4.808	4.808	0.000	98	337721	10.0	10.7	
14 Trichlorofluoromethane	101	4.882	4.882	0.000	99	994010	10.0	10.4	
16 Pentane	43	4.995	4.995	0.000	98	314352	10.0	11.2	
17 Ethanol	45	5.364	5.364	0.000	96	97982	15.0	16.9	
18 Ethyl ether	59	5.428	5.428	0.000	97	133922	10.0	10.9	
20 1,1,2-Trichloro-1,2,2-trif	101	5.760	5.760	0.000	97	631566	10.0	10.4	
19 Acrolein	56	5.771	5.771	0.000	34	42399	10.0	11.6	
21 1,1-Dichloroethene	96	5.819	5.819	0.000	98	275614	10.0	10.1	
22 Acetone	43	6.043	6.043	0.000	100	303124	10.0	11.0	
23 Carbon disulfide	76	6.182	6.182	0.000	100	702643	10.0	11.0	
24 Isopropyl alcohol	45	6.279	6.279	0.000	100	295886	10.0	11.2	
25 3-Chloro-1-propene	41	6.493	6.493	0.000	94	252047	10.0	11.8	
26 Acetonitrile	41	6.637	6.637	0.000	96	104221	10.0	10.9	
27 Methylene Chloride	49	6.750	6.750	0.000	89	264050	10.0	10.8	
28 2-Methyl-2-propanol	59	6.969	6.969	0.000	94	460351	10.0	11.3	
29 Methyl tert-butyl ether	73	7.129	7.129	0.000	95	701025	10.0	10.8	
31 trans-1,2-Dichloroethene	61	7.145	7.145	0.000	95	360357	10.0	10.6	
32 Acrylonitrile	53	7.301	7.301	0.000	93	112860	10.0	11.3	
33 Hexane	57	7.477	7.477	0.000	89	292981	10.0	10.5	
34 1,1-Dichloroethane	63	7.943	7.943	0.000	99	479409	10.0	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	8.007	8.007	0.000	100	434023	10.0	11.3	
37 cis-1,2-Dichloroethene	96	8.964	8.964	0.000	91	330678	10.0	10.8	
38 2-Butanone (MEK)	72	9.034	9.034	0.000	99	101315	10.0	11.0	
39 Ethyl acetate	88	9.055	9.055	0.000	100	15339	10.0	11.3	
* 40 Chlorobromomethane	128	9.403	9.403	0.000	75	307513	10.0	10.0	
41 Tetrahydrofuran	42	9.440	9.440	0.000	85	214797	10.0	11.3	
42 Chloroform	83	9.515	9.515	0.000	96	771059	10.0	10.8	
S 30 1,2-Dichloroethene, Total	61				0		20.0	21.4	
43 Cyclohexane	84	9.761	9.761	0.000	93	361675	10.0	10.8	
44 1,1,1-Trichloroethane	97	9.788	9.788	0.000	94	885820	10.0	10.9	
45 Carbon tetrachloride	117	10.024	10.024	0.000	98	1009915	10.0	11.4	
46 Isooctane	57	10.435	10.435	0.000	98	1297887	10.0	10.6	
47 Benzene	78	10.478	10.478	0.000	96	926281	10.0	10.4	
48 1,2-Dichloroethane	62	10.660	10.660	0.000	99	578690	10.0	10.8	
49 n-Heptane	43	10.810	10.810	0.000	91	486051	10.0	10.6	
* 50 1,4-Difluorobenzene	114	11.291	11.291	0.000	94	1458517	10.0	10.0	
52 n-Butanol	56	11.730	11.730	0.000	91	138091	10.0	11.5	
53 Trichloroethene	95	11.752	11.752	0.000	98	599065	10.0	10.6	
54 1,2-Dichloropropane	63	12.308	12.308	0.000	84	369029	10.0	11.0	
A 51 GRO	1	12.412	(4.535-20.289)		0	134192614	10.0	0	
55 Methyl methacrylate	69	12.479	12.479	0.000	92	299189	10.0	11.8	
57 Dibromomethane	174	12.554	12.554	0.000	97	537273	10.0	10.7	
56 1,4-Dioxane	88	12.559	12.559	0.000	46	190141	10.0	11.4	
58 Dichlorobromomethane	83	12.843	12.843	0.000	98	986528	10.0	11.5	
60 cis-1,3-Dichloropropene	75	13.758	13.758	0.000	95	597766	10.0	10.9	
61 4-Methyl-2-pentanone (MIBK)	43	14.073	14.073	0.000	97	628083	10.0	11.5	
A 59 TVOC as Toluene	92	14.314	(3.112-25.516)		0	210632964	10.0	0	
65 Toluene	92	14.335	14.335	0.000	95	703831	10.0	10.9	
A 63 Toluene Range	92	14.335	(14.295-14.375)		0	2931662	NC	NC	
64 n-Octane	43	14.394	14.394	0.000	89	660641	10.0	9.97	
A 62 C8 Range	1	14.411	(14.344-14.444)		0	2750444	NC	NC	
66 trans-1,3-Dichloropropene	75	14.940	14.940	0.000	98	630258	10.0	11.1	
67 1,1,2-Trichloroethane	83	15.309	15.309	0.000	98	379634	10.0	11.0	
68 Tetrachloroethene	166	15.405	15.405	0.000	96	766631	10.0	10.8	
69 2-Hexanone	43	15.791	15.791	0.000	94	591055	10.0	11.9	
71 Chlorodibromomethane	129	16.069	16.069	0.000	97	1037999	10.0	12.7	
72 Ethylene Dibromide	107	16.336	16.336	0.000	99	774073	10.0	11.5	
* 74 Chlorobenzene-d5	117	17.240	17.240	0.000	85	1225650	10.0	10.0	
75 Chlorobenzene	112	17.299	17.299	0.000	95	1012730	10.0	11.1	
76 Ethylbenzene	91	17.460	17.460	0.000	98	1500069	10.0	11.1	
77 n-Nonane	57	17.593	17.593	0.000	87	618049	10.0	11.1	
78 m-Xylene & p-Xylene	106	17.716	17.716	0.000	0	1207954	20.0	22.5	
79 o-Xylene	106	18.567	18.567	0.000	99	618576	10.0	11.3	
80 Styrene	104	18.626	18.626	0.000	98	908538	10.0	12.3	
81 Bromoform	173	19.070	19.070	0.000	96	1010772	10.0	15.9	
82 Isopropylbenzene	105	19.305	19.305	0.000	96	1745081	10.0	11.4	
S 73 Xylenes, Total	106				0		30.0	33.7	
* 83 4-Bromofluorobenzene	95	19.696	19.696	0.000	96	868698	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.006	20.006	0.000	99	888913	10.0	11.5	
85 N-Propylbenzene	91	20.076	20.076	0.000	99	2035827	10.0	11.6	
86 1,2,3-Trichloropropane	75	20.108	20.108	0.000	97	694201	10.0	11.6	
87 n-Decane	57	20.279	20.279	0.000	61	688991	10.0	12.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	20.279	20.279	0.000	90	1442344	10.0	11.6	
88 4-Ethyltoluene	105	20.279	20.279	0.000	87	1683074	10.0	12.0	
90 1,3,5-Trimethylbenzene	105	20.391	20.391	0.000	93	1461553	10.0	11.7	
91 Alpha Methyl Styrene	118	20.776	20.776	0.000	93	743588	10.0	12.9	
92 tert-Butylbenzene	119	20.899	20.899	0.000	94	1407683	10.0	11.5	
93 1,2,4-Trimethylbenzene	105	21.001	21.001	0.000	97	1466218	10.0	11.8	
94 sec-Butylbenzene	105	21.242	21.242	0.000	99	2068355	10.0	11.8	
95 4-Isopropyltoluene	119	21.456	21.456	0.000	97	1805588	10.0	12.2	
96 1,3-Dichlorobenzene	146	21.472	21.472	0.000	97	1154047	10.0	12.2	
97 1,4-Dichlorobenzene	146	21.611	21.611	0.000	96	1156145	10.0	12.3	
98 Benzyl chloride	91	21.820	21.820	0.000	98	1356350	10.0	13.0	
100 n-Butylbenzene	91	22.034	22.034	0.000	98	1577891	10.0	12.4	
99 Undecane	57	22.071	22.071	0.000	93	772328	10.0	11.7	
101 1,2-Dichlorobenzene	146	22.141	22.141	0.000	97	1059834	10.0	11.9	
102 Dodecane	57	23.628	23.628	0.000	95	640984	10.0	12.1	
103 1,2,4-Trichlorobenzene	180	24.585	24.585	0.000	94	725369	10.0	12.3	
104 Hexachlorobutadiene	225	24.767	24.767	0.000	95	653472	10.0	11.3	
105 Naphthalene	128	25.051	25.051	0.000	99	1349660	10.0	13.0	
106 1,2,3-Trichlorobenzene	180	25.506	25.506	0.000	95	629957	10.0	12.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00649

Amount Added: 200.00

Units: mL

ATTO15GIS_00015

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-08.D

Injection Date: 11-Dec-2017 22:48:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: icis

Worklist Smp#: 8

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

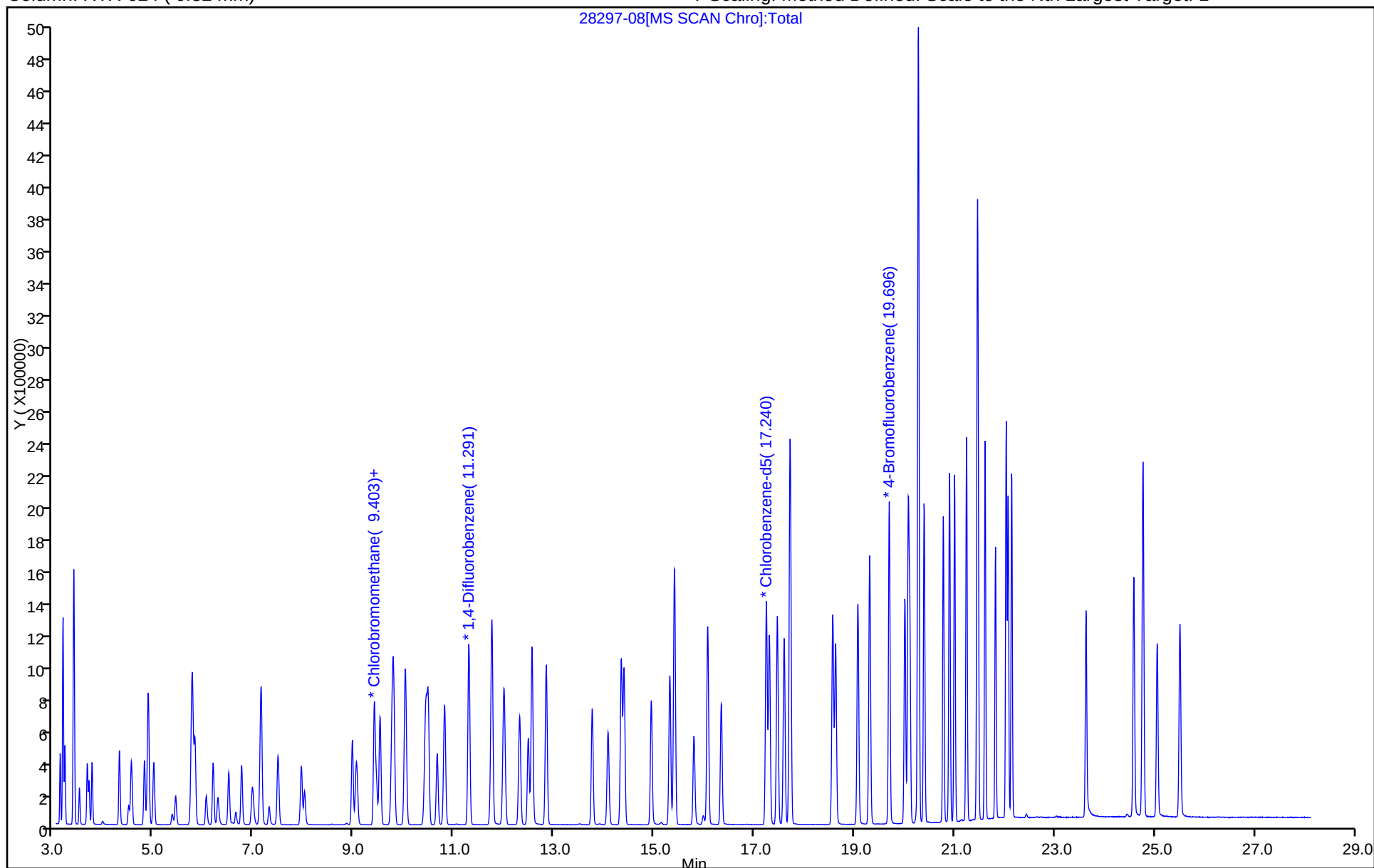
ALS Bottle#: 13

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-10.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 12-Dec-2017 00:30:30 ALS Bottle#: 15 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0028297-010
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 12-Dec-2017 12:49:57 Calib Date: 12-Dec-2017 02:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: daiglep

Date: 12-Dec-2017 11:33:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.112	3.122	-0.010	97	249052	15.0	14.1	
2 Dichlorodifluoromethane	85	3.171	3.181	-0.010	99	1472268	15.0	13.8	
3 Chlorodifluoromethane	51	3.208	3.219	-0.011	96	626891	15.0	13.3	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.379	3.395	-0.016	88	1108681	15.0	13.1	
5 Chloromethane	50	3.497	3.508	-0.011	99	291703	15.0	13.4	
6 Butane	43	3.652	3.663	-0.011	95	418017	15.0	13.4	
7 Vinyl chloride	62	3.689	3.700	-0.011	98	348737	15.0	12.9	
8 Butadiene	54	3.748	3.759	-0.011	94	228173	15.0	13.1	
10 Bromomethane	94	4.294	4.305	-0.011	98	405792	15.0	12.7	
11 Chloroethane	64	4.476	4.492	-0.016	98	131693	15.0	13.1	
12 2-Methylbutane	43	4.524	4.545	-0.021	88	247498	15.0	12.0	
13 Vinyl bromide	106	4.792	4.808	-0.016	98	400863	15.0	12.4	
14 Trichlorofluoromethane	101	4.861	4.882	-0.021	99	1176116	15.0	12.0	
16 Pentane	43	4.973	4.995	-0.022	97	359620	15.0	12.5	
17 Ethanol	45	5.327	5.364	-0.038	96	131301	20.0	22.1	
18 Ethyl ether	59	5.401	5.428	-0.027	97	170062	15.0	13.5	
20 1,1,2-Trichloro-1,2,2-trif	101	5.738	5.760	-0.022	97	809003	15.0	13.0	
19 Acrolein	56	5.744	5.771	-0.027	63	46005	15.0	12.3	
21 1,1-Dichloroethene	96	5.797	5.819	-0.022	98	353255	15.0	12.7	
22 Acetone	43	6.017	6.043	-0.026	100	412795	15.0	14.6	
23 Carbon disulfide	76	6.161	6.182	-0.021	100	880378	15.0	13.4	
24 Isopropyl alcohol	45	6.241	6.279	-0.038	100	393152	15.0	14.5	
25 3-Chloro-1-propene	41	6.471	6.493	-0.022	94	269999	15.0	12.3	
26 Acetonitrile	41	6.610	6.637	-0.027	97	142889	15.0	14.5	
27 Methylene Chloride	49	6.728	6.750	-0.022	89	341899	15.0	13.6	
28 2-Methyl-2-propanol	59	6.937	6.969	-0.032	94	606175	15.0	14.5	
29 Methyl tert-butyl ether	73	7.103	7.129	-0.026	94	893577	15.0	13.5	
31 trans-1,2-Dichloroethene	61	7.124	7.145	-0.021	95	458390	15.0	13.1	
32 Acrylonitrile	53	7.279	7.301	-0.022	93	147132	15.0	14.4	
33 Hexane	57	7.456	7.477	-0.021	89	370489	15.0	13.0	
34 1,1-Dichloroethane	63	7.926	7.943	-0.016	99	608834	15.0	13.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	7.985	8.007	-0.022	100	559997	15.0	14.2	
37 cis-1,2-Dichloroethene	96	8.948	8.964	-0.016	91	420550	15.0	13.4	
38 2-Butanone (MEK)	72	9.018	9.034	-0.016	99	130691	15.0	13.9	
39 Ethyl acetate	88	9.045	9.055	-0.010	100	19583	15.0	14.1	
* 40 Chlorobromomethane	128	9.387	9.403	-0.016	75	315219	10.0	10.0	
41 Tetrahydrofuran	42	9.424	9.440	-0.016	85	273980	15.0	14.0	
42 Chloroform	83	9.499	9.515	-0.016	96	974252	15.0	13.3	
S 30 1,2-Dichloroethene, Total	61				0		30.0	26.6	
43 Cyclohexane	84	9.740	9.761	-0.021	93	457545	15.0	13.3	
44 1,1,1-Trichloroethane	97	9.772	9.788	-0.016	94	1137253	15.0	13.6	
45 Carbon tetrachloride	117	10.007	10.024	-0.017	98	1277649	15.0	14.0	
46 Isooctane	57	10.419	10.435	-0.016	98	1617040	15.0	12.9	
47 Benzene	78	10.468	10.478	-0.010	96	1171488	15.0	12.9	
48 1,2-Dichloroethane	62	10.644	10.660	-0.016	99	738576	15.0	13.4	
49 n-Heptane	43	10.794	10.810	-0.016	90	606025	15.0	12.9	
* 50 1,4-Difluorobenzene	114	11.281	11.291	-0.010	94	1494843	10.0	10.0	
52 n-Butanol	56	11.703	11.730	-0.027	93	186536	15.0	15.2	
53 Trichloroethene	95	11.741	11.752	-0.011	98	753984	15.0	13.0	
54 1,2-Dichloropropane	63	12.297	12.308	-0.011	83	451163	15.0	13.1	
A 51 GRO	1	12.412	(4.535-20.289)		0	168254461	15.0	0	
55 Methyl methacrylate	69	12.468	12.479	-0.011	92	366543	15.0	14.1	
57 Dibromomethane	174	12.543	12.554	-0.011	96	746462	15.0	14.5	
56 1,4-Dioxane	88	12.538	12.559	-0.021	47	244782	15.0	14.3	
58 Dichlorobromomethane	83	12.832	12.843	-0.011	98	1169949	15.0	13.3	
60 cis-1,3-Dichloropropene	75	13.752	13.758	-0.006	95	752555	15.0	13.4	
61 4-Methyl-2-pentanone (MIBK)	43	14.063	14.073	-0.010	97	775491	15.0	13.9	
A 59 TVOC as Toluene	92	14.314	(3.112-25.516)		0	265713209	15.0	0	
65 Toluene	92	14.330	14.335	-0.005	95	899192	15.0	13.0	
A 63 Toluene Range	92	14.335	(14.295-14.375)		0	3555713	NC	NC	
64 n-Octane	43	14.384	14.394	-0.010	89	845466	15.0	12.4	
A 62 C8 Range	1	14.406	(14.344-14.444)		0	3713065	NC	NC	
66 trans-1,3-Dichloropropene	75	14.935	14.940	-0.005	98	800258	15.0	13.8	
67 1,1,2-Trichloroethane	83	15.304	15.309	-0.005	98	483850	15.0	13.1	
68 Tetrachloroethene	166	15.395	15.405	-0.010	96	994509	15.0	13.1	
69 2-Hexanone	43	15.780	15.791	-0.011	94	754867	15.0	14.2	
71 Chlorodibromomethane	129	16.058	16.069	-0.011	97	1063158	15.0	12.2	
72 Ethylene Dibromide	107	16.331	16.336	-0.005	99	1004076	15.0	13.9	
* 74 Chlorobenzene-d5	117	17.235	17.240	-0.005	85	1313698	10.0	10.0	
75 Chlorobenzene	112	17.294	17.299	-0.005	95	1297255	15.0	13.3	
76 Ethylbenzene	91	17.454	17.460	-0.006	98	1935565	15.0	13.3	
77 n-Nonane	57	17.593	17.593	0.000	86	794731	15.0	13.3	
78 m-Xylene & p-Xylene	106	17.711	17.716	-0.005	0	1553869	30.0	27.0	
79 o-Xylene	106	18.562	18.567	-0.005	99	799045	15.0	13.6	
80 Styrene	104	18.621	18.626	-0.005	98	1180356	15.0	14.9	
81 Bromoform	173	19.065	19.070	-0.005	96	570777	15.0	8.36	
82 Isopropylbenzene	105	19.300	19.305	-0.005	96	2249259	15.0	13.7	
S 73 Xylenes, Total	106				0		45.0	40.5	
* 83 4-Bromofluorobenzene	95	19.690	19.696	-0.006	96	950892	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.006	20.006	0.000	99	1140843	15.0	13.7	
85 N-Propylbenzene	91	20.070	20.076	-0.006	99	2592013	15.0	13.8	
86 1,2,3-Trichloropropane	75	20.102	20.108	-0.006	97	883006	15.0	13.7	
87 n-Decane	57	20.274	20.279	-0.005	60	841888	15.0	13.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	20.274	20.279	-0.005	90	1803284	15.0	13.6	
88 4-Ethyltoluene	105	20.274	20.279	-0.005	87	2108808	15.0	14.1	
90 1,3,5-Trimethylbenzene	105	20.391	20.391	0.000	93	1860691	15.0	13.9	
91 Alpha Methyl Styrene	118	20.776	20.776	0.000	91	962988	15.0	15.6	
92 tert-Butylbenzene	119	20.899	20.899	0.000	92	1800909	15.0	13.7	
93 1,2,4-Trimethylbenzene	105	21.001	21.001	0.000	97	1856450	15.0	13.9	
94 sec-Butylbenzene	105	21.237	21.242	-0.005	98	2632011	15.0	14.0	
95 4-Isopropyltoluene	119	21.451	21.456	-0.006	97	2301169	15.0	14.5	
96 1,3-Dichlorobenzene	146	21.467	21.472	-0.005	96	1488654	15.0	14.6	
97 1,4-Dichlorobenzene	146	21.611	21.611	0.000	96	1482072	15.0	14.7	
98 Benzyl chloride	91	21.820	21.820	0.000	99	1631551	15.0	14.6	
100 n-Butylbenzene	91	22.028	22.034	-0.006	99	1994263	15.0	14.6	
99 Undecane	57	22.071	22.071	0.000	93	968014	15.0	13.7	
101 1,2-Dichlorobenzene	146	22.141	22.141	0.000	97	1359353	15.0	14.3	
102 Dodecane	57	23.628	23.628	0.000	95	808710	15.0	14.3	
103 1,2,4-Trichlorobenzene	180	24.580	24.585	-0.005	94	897665	15.0	14.2	
104 Hexachlorobutadiene	225	24.767	24.767	0.000	95	844697	15.0	13.7	
105 Naphthalene	128	25.051	25.051	0.000	99	1586396	15.0	14.2	
106 1,2,3-Trichlorobenzene	180	25.506	25.506	0.000	95	778650	15.0	14.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL5w_00070

Amount Added: 200.00

Units: mL

ATTO15GIS_00015

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-10.D

Injection Date: 12-Dec-2017 00:30:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 10

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

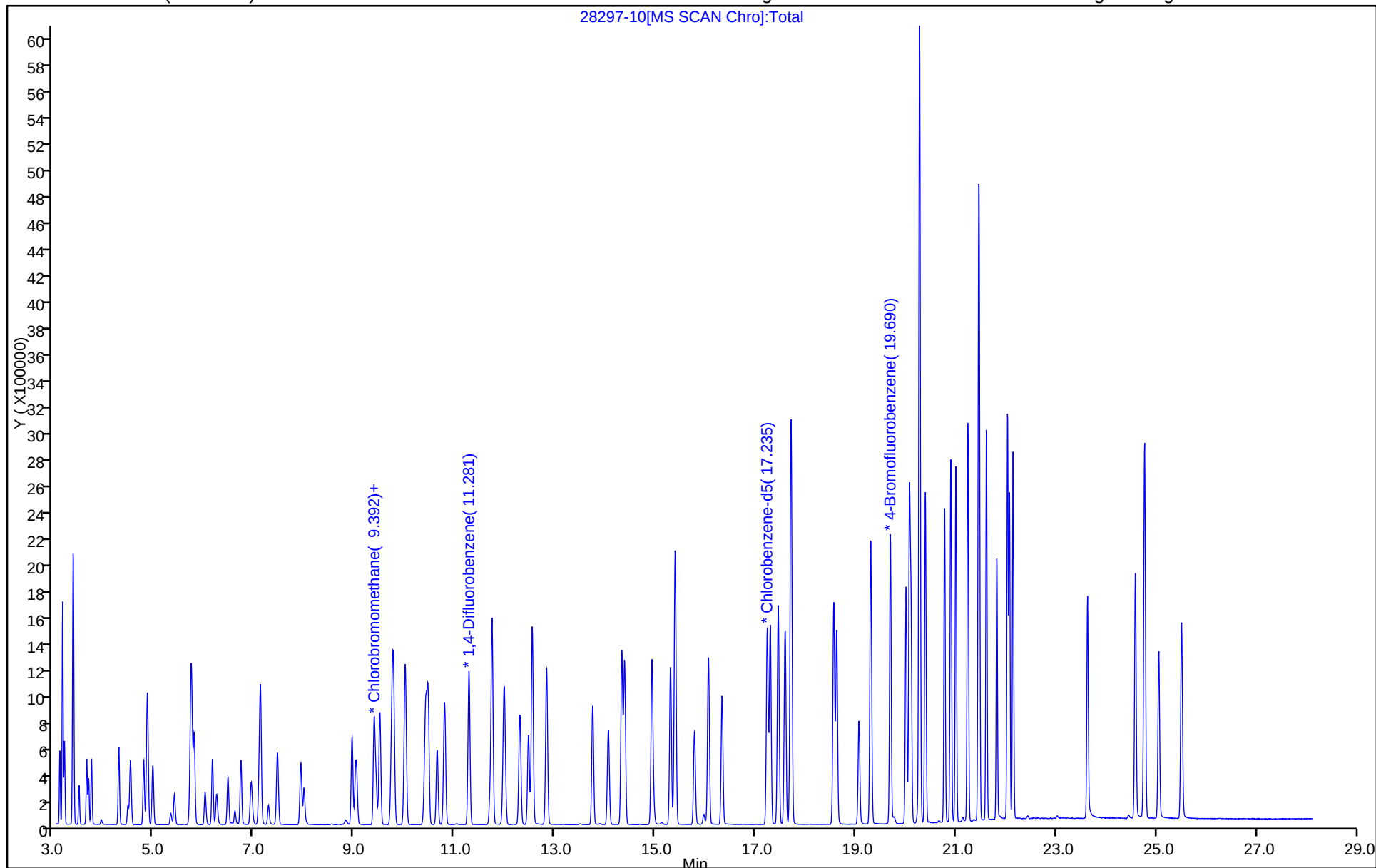
ALS Bottle#: 15

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-11.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 12-Dec-2017 01:20:30 ALS Bottle#: 16 Worklist Smp#: 11
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0028297-011
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 12-Dec-2017 12:50:03 Calib Date: 12-Dec-2017 02:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: daiglep

Date: 12-Dec-2017 11:34:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.122	3.122	0.000	96	324396	20.0	18.8	
2 Dichlorodifluoromethane	85	3.181	3.181	0.000	99	1904459	20.0	18.3	
3 Chlorodifluoromethane	51	3.219	3.219	0.000	96	829253	20.0	17.9	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.390	3.395	-0.005	98	1435245	20.0	17.3	
5 Chloromethane	50	3.508	3.508	0.000	98	385880	20.0	18.2	
6 Butane	43	3.663	3.663	0.000	95	553492	20.0	18.1	
7 Vinyl chloride	62	3.700	3.700	0.000	98	463485	20.0	17.5	
8 Butadiene	54	3.759	3.759	0.000	94	306645	20.0	18.0	
10 Bromomethane	94	4.305	4.305	0.000	98	546014	20.0	17.4	
11 Chloroethane	64	4.481	4.492	-0.011	98	178405	20.0	18.1	
12 2-Methylbutane	43	4.535	4.545	-0.010	88	339837	20.0	16.9	
13 Vinyl bromide	106	4.797	4.808	-0.011	98	559763	20.0	17.6	
14 Trichlorofluoromethane	101	4.872	4.882	-0.010	99	1619705	20.0	16.9	
16 Pentane	43	4.979	4.995	-0.016	97	507459	20.0	18.0	
17 Ethanol	45	5.342	5.364	-0.022	97	223421	40.0	38.5	
18 Ethyl ether	59	5.412	5.428	-0.016	96	226742	20.0	18.4	
20 1,1,2-Trichloro-1,2,2-trif	101	5.744	5.760	-0.016	97	1055491	20.0	17.4	
19 Acrolein	56	5.749	5.771	-0.022	33	67753	20.0	18.5	
21 1,1-Dichloroethene	96	5.808	5.819	-0.011	98	465851	20.0	17.1	
22 Acetone	43	6.022	6.043	-0.021	100	531993	20.0	19.2	
23 Carbon disulfide	76	6.172	6.182	-0.010	100	1188498	20.0	18.5	
24 Isopropyl alcohol	45	6.257	6.279	-0.022	100	503807	20.0	19.0	
25 3-Chloro-1-propene	41	6.477	6.493	-0.016	93	370293	20.0	17.2	
26 Acetonitrile	41	6.616	6.637	-0.021	97	185063	20.0	19.2	
27 Methylene Chloride	49	6.733	6.750	-0.017	89	443340	20.0	18.0	
28 2-Methyl-2-propanol	59	6.947	6.969	-0.022	94	790442	20.0	19.3	
29 Methyl tert-butyl ether	73	7.113	7.129	-0.016	95	1176328	20.0	18.1	
31 trans-1,2-Dichloroethene	61	7.129	7.145	-0.016	94	599702	20.0	17.6	
32 Acrylonitrile	53	7.284	7.301	-0.017	93	196030	20.0	19.6	
33 Hexane	57	7.466	7.477	-0.011	89	486134	20.0	17.4	
34 1,1-Dichloroethane	63	7.932	7.943	-0.010	99	794827	20.0	17.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	7.996	8.007	-0.011	100	741210	20.0	19.2	
37 cis-1,2-Dichloroethene	96	8.954	8.964	-0.010	90	548142	20.0	17.9	
38 2-Butanone (MEK)	72	9.023	9.034	-0.011	99	174189	20.0	18.9	
39 Ethyl acetate	88	9.044	9.055	-0.011	99	25469	20.0	18.7	
* 40 Chlorobromomethane	128	9.398	9.403	-0.005	74	308461	10.0	10.0	
41 Tetrahydrofuran	42	9.430	9.440	-0.010	84	351812	20.0	18.0	
42 Chloroform	83	9.510	9.515	-0.005	96	1254983	20.0	17.5	
S 30 1,2-Dichloroethene, Total	61				0		40.0	35.4	
43 Cyclohexane	84	9.751	9.761	-0.010	93	589206	20.0	17.1	
44 1,1,1-Trichloroethane	97	9.777	9.788	-0.011	94	1445861	20.0	17.3	
45 Carbon tetrachloride	117	10.013	10.024	-0.011	98	1646234	20.0	18.1	
46 Isooctane	57	10.425	10.435	-0.010	99	2036582	20.0	16.3	
47 Benzene	78	10.473	10.478	-0.005	96	1508532	20.0	16.6	
48 1,2-Dichloroethane	62	10.655	10.660	-0.005	99	954865	20.0	17.3	
49 n-Heptane	43	10.799	10.810	-0.011	89	748400	20.0	16.0	
* 50 1,4-Difluorobenzene	114	11.286	11.291	-0.005	94	1494013	10.0	10.0	
52 n-Butanol	56	11.714	11.730	-0.016	91	217883	20.0	17.7	
53 Trichloroethene	95	11.746	11.752	-0.006	99	945497	20.0	16.4	
54 1,2-Dichloropropane	63	12.302	12.308	-0.006	82	570670	20.0	16.6	
A 51 GRO	1	12.412	(4.535-20.289)		0	224359699	20.0	0	
55 Methyl methacrylate	69	12.474	12.479	-0.005	92	483448	20.0	18.5	
57 Dibromomethane	174	12.549	12.554	-0.006	95	921475	20.0	17.9	
56 1,4-Dioxane	88	12.549	12.559	-0.011	45	301511	20.0	17.6	
58 Dichlorobromomethane	83	12.837	12.843	-0.006	99	1586163	20.0	18.1	
60 cis-1,3-Dichloropropene	75	13.758	13.758	0.000	95	1004079	20.0	17.9	
61 4-Methyl-2-pentanone (MIBK)	43	14.068	14.073	-0.005	97	1028370	20.0	18.4	
A 59 TVOC as Toluene	92	14.314	(3.112-25.516)		0	352619399	20.0	0	
65 Toluene	92	14.335	14.335	0.000	94	1212695	20.0	17.1	
A 63 Toluene Range	92	14.335	(14.295-14.375)		0	4851416	NC	NC	
64 n-Octane	43	14.389	14.394	-0.005	88	1096490	20.0	16.2	
A 62 C8 Range	1	14.408	(14.344-14.444)		0	4772790	NC	NC	
66 trans-1,3-Dichloropropene	75	14.934	14.940	-0.006	98	1075496	20.0	18.5	
67 1,1,2-Trichloroethane	83	15.309	15.309	0.000	97	649622	20.0	17.1	
68 Tetrachloroethene	166	15.400	15.405	-0.005	96	1333167	20.0	17.1	
69 2-Hexanone	43	15.790	15.791	-0.001	94	999691	20.0	18.3	
71 Chlorodibromomethane	129	16.063	16.069	-0.006	97	1712112	20.0	19.1	
72 Ethylene Dibromide	107	16.336	16.336	0.000	99	1352030	20.0	18.2	
* 74 Chlorobenzene-d5	117	17.235	17.240	-0.005	85	1348707	10.0	10.0	
75 Chlorobenzene	112	17.299	17.299	0.000	96	1747765	20.0	17.5	
76 Ethylbenzene	91	17.454	17.460	-0.006	98	2597067	20.0	17.4	
77 n-Nonane	57	17.593	17.593	0.000	85	1047568	20.0	17.0	
78 m-Xylene & p-Xylene	106	17.711	17.716	-0.005	0	2090267	40.0	35.3	
79 o-Xylene	106	18.567	18.567	0.000	99	1076913	20.0	17.8	
80 Styrene	104	18.620	18.626	-0.006	98	1592991	20.0	19.5	
81 Bromoform	173	19.070	19.070	0.000	96	1349536	20.0	19.3	
82 Isopropylbenzene	105	19.305	19.305	0.000	96	3017089	20.0	17.9	
S 73 Xylenes, Total	106				0		60.0	53.2	
* 83 4-Bromofluorobenzene	95	19.696	19.696	0.000	96	965167	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.006	20.006	0.000	99	1529611	20.0	17.9	
85 N-Propylbenzene	91	20.076	20.076	0.000	99	3450192	20.0	17.9	
86 1,2,3-Trichloropropane	75	20.108	20.108	0.000	97	1170458	20.0	17.7	
87 n-Decane	57	20.279	20.279	0.000	78	1058091	20.0	16.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	20.279	20.279	0.000	97	2314822	20.0	17.0	
88 4-Ethyltoluene	105	20.279	20.279	0.000	96	2744855	20.0	17.8	
90 1,3,5-Trimethylbenzene	105	20.391	20.391	0.000	94	2527401	20.0	18.4	
91 Alpha Methyl Styrene	118	20.776	20.776	0.000	91	1307910	20.0	20.6	
92 tert-Butylbenzene	119	20.899	20.899	0.000	92	2442119	20.0	18.1	
93 1,2,4-Trimethylbenzene	105	21.001	21.001	0.000	97	2527330	20.0	18.4	
94 sec-Butylbenzene	105	21.242	21.242	0.000	98	3556128	20.0	18.5	
95 4-Isopropyltoluene	119	21.456	21.456	0.000	97	3073685	20.0	18.9	
96 1,3-Dichlorobenzene	146	21.472	21.472	0.000	97	1947801	20.0	18.7	
97 1,4-Dichlorobenzene	146	21.611	21.611	0.000	96	1974996	20.0	19.0	
98 Benzyl chloride	91	21.820	21.820	0.000	99	2205600	20.0	19.2	
100 n-Butylbenzene	91	22.034	22.034	0.000	98	2674660	20.0	19.1	
99 Undecane	57	22.071	22.071	0.000	93	1261011	20.0	17.4	
101 1,2-Dichlorobenzene	146	22.146	22.141	0.005	97	1837161	20.0	18.8	
102 Dodecane	57	23.628	23.628	0.000	96	1023549	20.0	17.6	
103 1,2,4-Trichlorobenzene	180	24.585	24.585	0.000	94	1164929	20.0	18.0	
104 Hexachlorobutadiene	225	24.767	24.767	0.000	95	1076720	20.0	17.0	
105 Naphthalene	128	25.051	25.051	0.000	99	2047755	20.0	17.9	
106 1,2,3-Trichlorobenzene	180	25.505	25.506	-0.001	95	1032438	20.0	18.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL6w_00145

Amount Added: 200.00

Units: mL

ATTO15GIS_00015

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-11.D

Injection Date: 12-Dec-2017 01:20:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 11

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

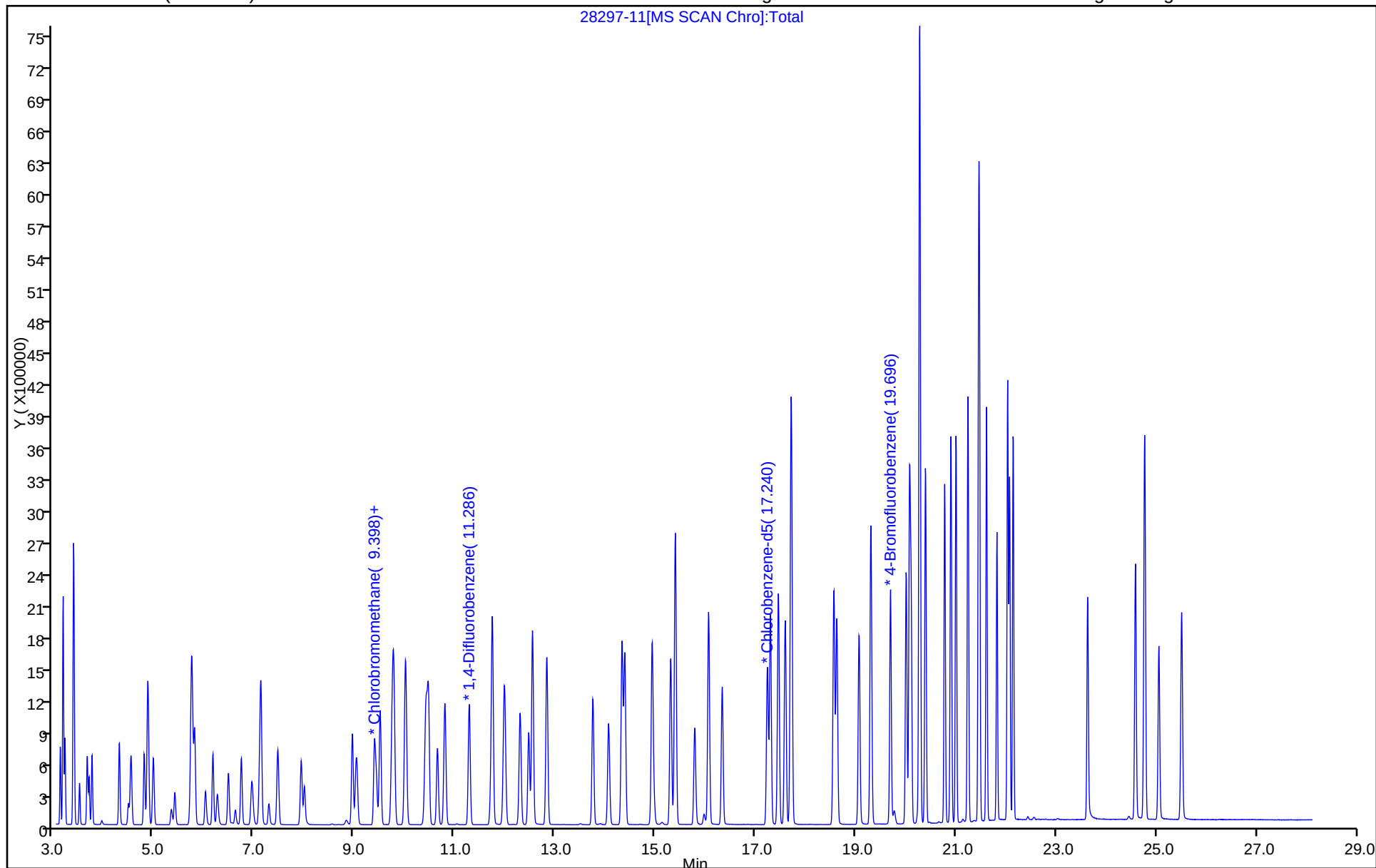
ALS Bottle#: 16

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 12-Dec-2017 02:10:30 ALS Bottle#: 17 Worklist Smp#: 12
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0028297-012
 Operator ID: pad Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 12-Dec-2017 12:51:11 Calib Date: 12-Dec-2017 02:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: daiglep

Date: 12-Dec-2017 11:35:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.122	3.122	0.000	96	605036	40.0	34.8	
2 Dichlorodifluoromethane	85	3.181	3.181	0.000	99	3371076	40.0	32.2	
3 Chlorodifluoromethane	51	3.219	3.219	0.000	96	1514929	40.0	32.6	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.395	3.395	0.000	95	2534840	40.0	30.4	
5 Chloromethane	50	3.508	3.508	0.000	99	711943	40.0	33.4	
6 Butane	43	3.668	3.663	0.005	95	1021953	40.0	33.3	
7 Vinyl chloride	62	3.700	3.700	0.000	98	850386	40.0	32.0	
8 Butadiene	54	3.764	3.759	0.005	95	560266	40.0	32.7	
10 Bromomethane	94	4.310	4.305	0.005	98	1028026	40.0	32.6	
11 Chloroethane	64	4.492	4.492	0.000	98	341531	40.0	34.6	
12 2-Methylbutane	43	4.546	4.545	0.001	88	630078	40.0	31.1	
13 Vinyl bromide	106	4.808	4.808	0.000	98	1040154	40.0	32.6	
14 Trichlorofluoromethane	101	4.883	4.882	0.001	99	2920582	40.0	30.4	
16 Pentane	43	4.990	4.995	-0.005	97	952015	40.0	33.7	
17 Ethanol	45	5.353	5.364	-0.011	96	519367	100.0	89.1	
18 Ethyl ether	59	5.418	5.428	-0.010	95	422747	40.0	34.2	
20 1,1,2-Trichloro-1,2,2-trif	101	5.755	5.760	-0.005	97	1915609	40.0	31.4	
19 Acrolein	56	5.760	5.771	-0.011	93	116000	40.0	31.6	
21 1,1-Dichloroethene	96	5.813	5.819	-0.006	98	857397	40.0	31.3	
22 Acetone	43	6.027	6.043	-0.016	100	988982	40.0	35.5	
23 Carbon disulfide	76	6.177	6.182	-0.005	100	2184972	40.0	33.9	
24 Isopropyl alcohol	45	6.273	6.279	-0.006	100	919825	40.0	34.5	
25 3-Chloro-1-propene	41	6.487	6.493	-0.006	93	566557	40.0	26.3	
26 Acetonitrile	41	6.627	6.637	-0.010	97	350147	40.0	36.2	
27 Methylene Chloride	49	6.744	6.750	-0.006	89	821875	40.0	33.3	
28 2-Methyl-2-propanol	59	6.958	6.969	-0.011	94	1445876	40.0	35.2	
29 Methyl tert-butyl ether	73	7.119	7.129	-0.010	95	2148349	40.0	33.0	
31 trans-1,2-Dichloroethene	61	7.140	7.145	-0.005	94	1082213	40.0	31.5	
32 Acrylonitrile	53	7.295	7.301	-0.006	92	368583	40.0	36.7	
33 Hexane	57	7.472	7.477	-0.005	89	886185	40.0	31.6	
34 1,1-Dichloroethane	63	7.943	7.943	0.001	99	1439223	40.0	31.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	8.001	8.007	-0.006	100	1353794	40.0	34.8	
37 cis-1,2-Dichloroethene	96	8.959	8.964	-0.005	90	1008112	40.0	32.8	
38 2-Butanone (MEK)	72	9.029	9.034	-0.005	99	311973	40.0	33.7	
39 Ethyl acetate	88	9.050	9.055	-0.005	100	47357	40.0	34.7	
* 40 Chlorobromomethane	128	9.403	9.403	0.000	77	309731	10.0	10.0	
41 Tetrahydrofuran	42	9.435	9.440	-0.005	83	650292	40.0	35.3	
42 Chloroform	83	9.515	9.515	0.000	96	2283218	40.0	31.8	
S 30 1,2-Dichloroethene, Total	61				0		80.0	64.3	
43 Cyclohexane	84	9.756	9.761	-0.005	92	1081395	40.0	33.3	
44 1,1,1-Trichloroethane	97	9.788	9.788	0.000	94	2637137	40.0	33.5	
45 Carbon tetrachloride	117	10.024	10.024	0.000	98	3062013	40.0	35.7	
46 Isooctane	57	10.430	10.435	-0.005	98	3721924	40.0	31.6	
47 Benzene	78	10.478	10.478	0.000	96	2805997	40.0	32.7	
48 1,2-Dichloroethane	62	10.660	10.660	0.000	99	1791472	40.0	34.5	
49 n-Heptane	43	10.805	10.810	-0.005	88	1374990	40.0	31.1	
* 50 1,4-Difluorobenzene	114	11.291	11.291	0.000	93	1409026	10.0	10.0	
52 n-Butanol	56	11.714	11.730	-0.016	90	428723	40.0	37.0	
53 Trichloroethene	95	11.752	11.752	0.000	99	1844054	40.0	33.8	
54 1,2-Dichloropropane	63	12.308	12.308	0.000	83	1106990	40.0	34.2	
A 51 GRO	1	12.412	(4.535-20.289)		0	417028080	40.0	0	
55 Methyl methacrylate	69	12.479	12.479	0.000	93	955239	40.0	38.9	
57 Dibromomethane	174	12.559	12.554	0.005	95	1890445	40.0	39.0	
56 1,4-Dioxane	88	12.554	12.559	-0.005	87	552316	40.0	34.3	
58 Dichlorobromomethane	83	12.838	12.843	-0.005	98	3049096	40.0	36.8	
60 cis-1,3-Dichloropropene	75	13.758	13.758	0.000	94	1969903	40.0	37.2	
61 4-Methyl-2-pentanone (MIBK)	43	14.073	14.073	0.000	96	1956143	40.0	37.1	
A 59 TVOC as Toluene	92	14.314	(3.112-25.516)		0	660211580	40.0	0	
A 63 Toluene Range	92	14.335	(14.295-14.375)		0	9500175	NC	NC	
65 Toluene	92	14.341	14.335	0.006	95	2404051	40.0	35.6	
A 62 C8 Range	1	14.411	(14.344-14.444)		0	8867960	NC	NC	
64 n-Octane	43	14.394	14.394	0.000	86	1983418	40.0	31.0	
66 trans-1,3-Dichloropropene	75	14.940	14.940	0.000	97	2110639	40.0	38.5	
67 1,1,2-Trichloroethane	83	15.309	15.309	0.000	97	1265299	40.0	35.1	
68 Tetrachloroethene	166	15.405	15.405	0.000	97	2590853	40.0	35.0	
69 2-Hexanone	43	15.791	15.791	0.000	95	1916819	40.0	36.8	
71 Chlorodibromomethane	129	16.069	16.069	0.000	97	3202402	40.0	37.6	
72 Ethylene Dibromide	107	16.342	16.336	0.006	99	2688647	40.0	38.1	
* 74 Chlorobenzene-d5	117	17.240	17.240	0.000	84	1281148	10.0	10.0	
75 Chlorobenzene	112	17.299	17.299	0.000	96	3527476	40.0	37.1	
76 Ethylbenzene	91	17.460	17.460	0.000	98	5103847	40.0	36.0	
77 n-Nonane	57	17.599	17.593	0.006	84	1927215	40.0	33.0	
78 m-Xylene & p-Xylene	106	17.716	17.716	0.000	0	4040719	80.0	71.9	
79 o-Xylene	106	18.567	18.567	0.000	99	2161232	40.0	37.7	
80 Styrene	104	18.626	18.626	0.000	97	3265539	40.0	42.2	
81 Bromoform	173	19.070	19.070	0.000	96	2255380	40.0	33.9	
82 Isopropylbenzene	105	19.305	19.305	0.000	96	5897964	40.0	36.8	
S 73 Xylenes, Total	106				0		120.0	109.6	
* 83 4-Bromofluorobenzene	95	19.696	19.696	0.000	96	896947	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.011	20.006	0.005	98	2914160	40.0	36.0	
85 N-Propylbenzene	91	20.081	20.076	0.005	99	6557963	40.0	35.9	
86 1,2,3-Trichloropropane	75	20.108	20.108	0.000	97	2208491	40.0	35.2	
88 4-Ethyltoluene	105	20.279	20.279	0.000	97	4799397	40.0	32.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	20.279	20.279	0.000	97	4055419	40.0	31.3	
87 n-Decane	57	20.284	20.279	0.005	93	1846504	40.0	30.8	
90 1,3,5-Trimethylbenzene	105	20.397	20.391	0.006	94	4950713	40.0	37.9	
91 Alpha Methyl Styrene	118	20.777	20.776	0.000	92	2666313	40.0	44.3	
92 tert-Butylbenzene	119	20.905	20.899	0.006	93	4745373	40.0	37.0	
93 1,2,4-Trimethylbenzene	105	21.007	21.001	0.006	97	4913341	40.0	37.7	
94 sec-Butylbenzene	105	21.242	21.242	0.000	98	6801202	40.0	37.2	
95 4-Isopropyltoluene	119	21.456	21.456	0.000	97	5555067	40.0	35.9	
96 1,3-Dichlorobenzene	146	21.477	21.472	0.005	96	3560524	40.0	35.9	
97 1,4-Dichlorobenzene	146	21.616	21.611	0.005	96	3931016	40.0	39.9	
98 Benzyl chloride	91	21.820	21.820	0.000	99	4450081	40.0	40.7	
100 n-Butylbenzene	91	22.034	22.034	0.000	98	5047479	40.0	38.0	
99 Undecane	57	22.071	22.071	0.000	91	2238140	40.0	32.6	
101 1,2-Dichlorobenzene	146	22.146	22.141	0.005	97	3628653	40.0	39.1	
102 Dodecane	57	23.628	23.628	0.000	95	1671829	40.0	30.3	
103 1,2,4-Trichlorobenzene	180	24.585	24.585	0.000	95	2396265	40.0	39.0	
104 Hexachlorobutadiene	225	24.773	24.767	0.006	93	1867591	40.0	31.0	
105 Naphthalene	128	25.051	25.051	0.000	99	4463102	40.0	41.0	
106 1,2,3-Trichlorobenzene	180	25.511	25.506	0.005	95	2015064	40.0	37.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL7w_00072

Amount Added: 200.00

Units: mL

ATTO15GIS_00015

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D

Injection Date: 12-Dec-2017 02:10:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 12

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

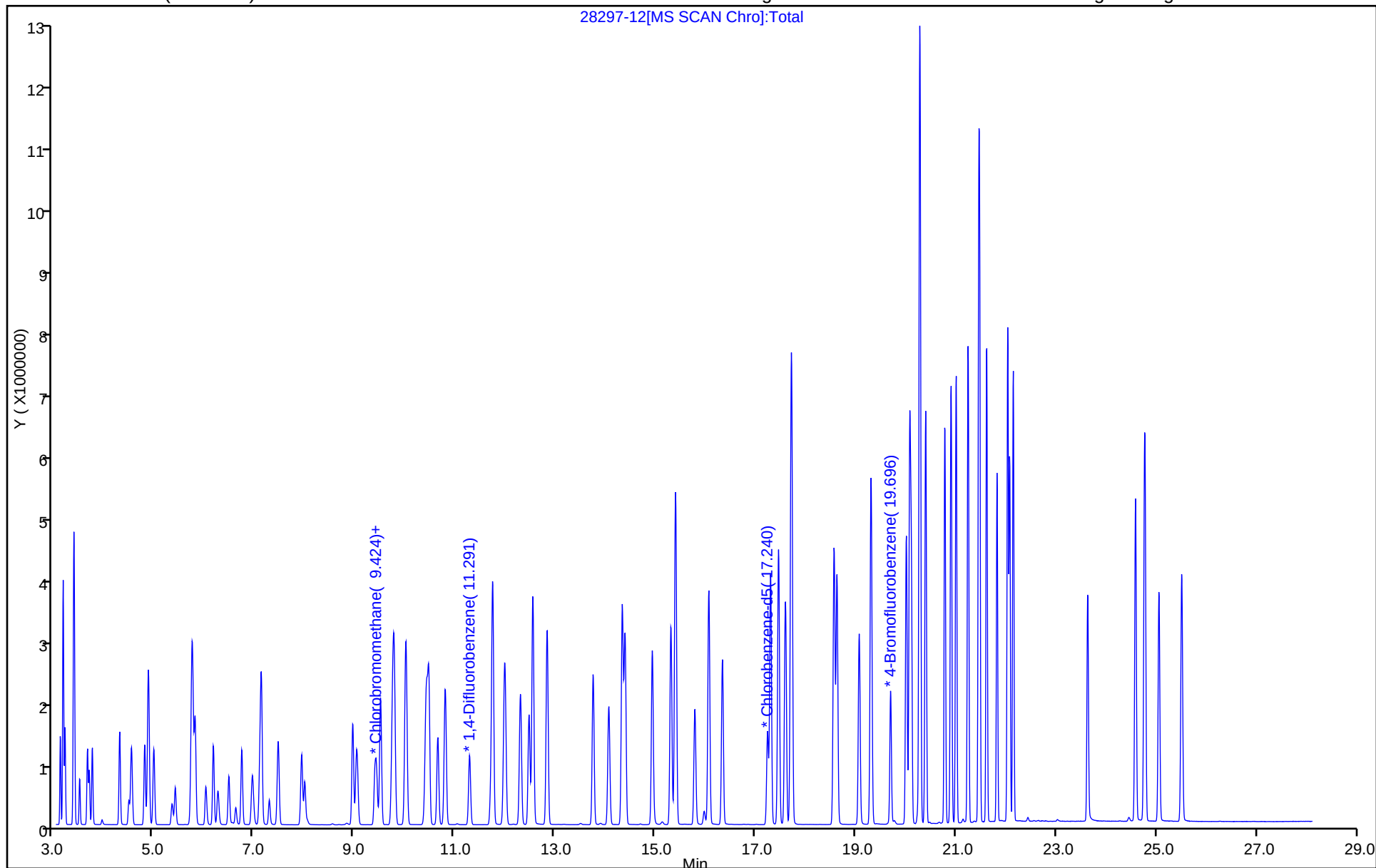
ALS Bottle#: 17

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41804-1

SDG No.: _____

Lab Sample ID: ICV 200-124302/17 Calibration Date: 12/12/2017 06:21

Instrument ID: CHG.i Calib Start Date: 12/11/2017 18:36

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/12/2017 02:10

Lab File ID: 28297-17.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5607	0.4920		8.77	10.0	-12.3	30.0
Dichlorodifluoromethane	Ave	3.381	3.078		9.10	10.0	-9.0	30.0
Freon 22	Ave	1.498	1.350		9.01	10.0	-9.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.691	2.632		9.78	10.0	-2.2	30.0
Chloromethane	Ave	0.6881	0.6006		8.73	10.0	-12.7	30.0
n-Butane	Ave	0.9922	0.8948		9.02	10.0	-9.8	30.0
Vinyl chloride	Ave	0.8583	0.7332		8.54	10.0	-14.6	30.0
1,3-Butadiene	Ave	0.5534	0.4768		8.61	10.0	-13.8	30.0
Bromomethane	Ave	1.017	0.8716		8.57	10.0	-14.3	30.0
Chloroethane	Ave	0.3189	0.2834		8.88	10.0	-11.2	30.0
Isopentane	Ave	0.6536	0.5951		9.10	10.0	-9.0	30.0
Bromoethene (Vinyl Bromide)	Ave	1.029	0.8776		8.52	10.0	-14.7	30.0
Trichlorofluoromethane	Ave	3.107	2.604		8.38	10.0	-16.2	30.0
n-Pentane	Ave	0.9127	0.9018		9.88	10.0	-1.2	30.0
Ethanol	Ave	0.1882	0.1816		14.5	15.0	-3.5	30.0
Ethyl ether	Ave	0.3988	0.3720		9.33	10.0	-6.7	30.0
Freon TF	Ave	1.969	1.727		8.77	10.0	-12.3	30.0
Acrolein	Ave	0.1184	0.1469		12.4	10.0	24.0	30.0
1,1-Dichloroethene	Ave	0.8837	0.7336		8.30	10.0	-17.0	30.0
Acetone	Ave	0.8997	0.7875		8.75	10.0	-12.5	30.0
Carbon disulfide	Ave	2.083	2.194		10.5	10.0	5.4	30.0
Isopropyl alcohol	Ave	0.8617	0.7070		8.20	10.0	-18.0	30.0
3-Chloropropene	Ave	0.6966	0.6436		9.24	10.0	-7.6	30.0
Acetonitrile	Ave	0.3120	0.2951		9.46	10.0	-5.4	30.0
Methylene Chloride	Ave	0.7972	0.7118		8.93	10.0	-10.7	30.0
tert-Butyl alcohol	Ave	1.326	1.097		8.27	10.0	-17.3	30.0
Methyl tert-butyl ether	Ave	2.104	1.762		8.38	10.0	-16.2	30.0
trans-1,2-Dichloroethene	Ave	1.108	1.013		9.14	10.0	-8.6	30.0
Acrylonitrile	Ave	0.3246	0.2963		9.13	10.0	-8.7	30.0
n-Hexane	Ave	0.9052	0.8292		9.16	10.0	-8.4	30.0
1,1-Dichloroethane	Ave	1.458	1.266		8.68	10.0	-13.2	30.0
Vinyl acetate	Ave	1.254	1.069		8.52	10.0	-14.8	30.0
cis-1,2-Dichloroethene	Ave	0.9932	0.8515		8.57	10.0	-14.3	30.0
Methyl Ethyl Ketone	Ave	0.2988	0.2469		8.26	10.0	-17.4	30.0
Ethyl acetate	Ave	0.0441	0.0400		9.07	10.0	-9.3	30.0
Tetrahydrofuran	Ave	0.1308	0.1028		7.85	10.0	-21.5	30.0
Chloroform	Ave	2.321	1.998		8.61	10.0	-13.9	30.0
Cyclohexane	Ave	0.2305	0.1888		8.19	10.0	-18.1	30.0
1,1,1-Trichloroethane	Ave	0.5588	0.4547		8.14	10.0	-18.6	30.0
Carbon tetrachloride	Ave	0.6084	0.5224		8.58	10.0	-14.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41804-1

SDG No.: _____

Lab Sample ID: ICV 200-124302/17 Calibration Date: 12/12/2017 06:21

Instrument ID: CHG.i Calib Start Date: 12/11/2017 18:36

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/12/2017 02:10

Lab File ID: 28297-17.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.8370	0.6546		7.82	10.0	-21.8	30.0
Benzene	Ave	0.6081	0.4669		7.68	10.0	-23.2	30.0
1,2-Dichloroethane	Ave	0.3686	0.2865		7.77	10.0	-22.3	30.0
n-Heptane	Ave	0.3140	0.2437		7.76	10.0	-22.4	30.0
n-Butanol	Ave	0.0822	0.0703		8.55	10.0	-14.4	30.0
Trichloroethene	Ave	0.3866	0.3278		8.48	10.0	-15.2	30.0
1,2-Dichloropropane	Ave	0.2298	0.1821		7.92	10.0	-20.8	30.0
Methyl methacrylate	Ave	0.1745	0.1454		8.33	10.0	-16.7	30.0
Dibromomethane	Ave	0.3440	0.2899		8.43	10.0	-15.7	30.0
1,4-Dioxane	Ave	0.1144	0.0819		7.16	10.0	-28.4	30.0
Bromodichloromethane	Ave	0.5880	0.5098		8.67	10.0	-13.3	30.0
cis-1,3-Dichloropropene	Ave	0.3758	0.3209		8.54	10.0	-14.6	30.0
methyl isobutyl ketone	Ave	0.3740	0.2816		7.53	10.0	-24.7	30.0
Toluene	Ave	0.5265	0.4317		8.20	10.0	-18.0	30.0
n-Octane	Ave	0.4544	0.3722		8.19	10.0	-18.1	30.0
trans-1,3-Dichloropropene	Ave	0.3893	0.3443		8.84	10.0	-11.6	30.0
1,1,2-Trichloroethane	Ave	0.2810	0.2328		8.28	10.0	-17.2	30.0
Tetrachloroethene	Ave	0.5777	0.4892		8.47	10.0	-15.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4061	0.2876		7.08	10.0	-29.2	30.0
Dibromochloromethane	Ave	0.6650	0.5712		8.59	10.0	-14.1	30.0
1,2-Dibromoethane	Ave	0.5511	0.4734		8.59	10.0	-14.1	30.0
Chlorobenzene	Ave	0.7413	0.6180		8.34	10.0	-16.6	30.0
Ethylbenzene	Ave	1.106	0.9037		8.17	10.0	-18.3	30.0
n-Nonane	Ave	0.4560	0.3727		8.17	10.0	-18.3	30.0
m,p-Xylene	Ave	0.4388	0.3601		16.4	20.0	-17.9	30.0
Xylene, o-	Ave	0.4478	0.3654		8.16	10.0	-18.4	30.0
Styrene	Ave	0.6045	0.5272		8.72	10.0	-12.8	30.0
Bromoform	Ave	0.5195	0.4476		8.61	10.0	-13.8	30.0
Cumene	Ave	1.251	1.028		8.21	10.0	-17.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6327	0.5352		8.46	10.0	-15.4	30.0
n-Propylbenzene	Ave	1.426	1.186		8.31	10.0	-16.9	30.0
1,2,3-Trichloropropane	Ave	0.4896	0.4032		8.23	10.0	-17.6	30.0
2-Chlorotoluene	Ave	1.012	0.8389		8.29	10.0	-17.1	30.0
n-Decane	Ave	0.4675	0.4061		8.69	10.0	-13.1	30.0
4-Ethyltoluene	Ave	1.142	0.9944		8.71	10.0	-12.9	30.0
1,3,5-Trimethylbenzene	Ave	1.020	0.8540		8.37	10.0	-16.3	30.0
Alpha Methyl Styrene	Ave	0.4699	0.4175		8.88	10.0	-11.2	30.0
tert-Butylbenzene	Ave	1.000	0.8233		8.23	10.0	-17.7	30.0
1,2,4-Trimethylbenzene	Ave	1.016	0.8463		8.33	10.0	-16.7	30.0
sec-Butylbenzene	Ave	1.429	1.201		8.41	10.0	-15.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Lab Sample ID: ICV 200-124302/17 Calibration Date: 12/12/2017 06:21
 Instrument ID: CHG.i Calib Start Date: 12/11/2017 18:36
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/12/2017 02:10
 Lab File ID: 28297-17.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.207	1.040		8.62	10.0	-13.8	30.0
1,3-Dichlorobenzene	Ave	0.7741	0.6726		8.69	10.0	-13.1	30.0
1,4-Dichlorobenzene	Ave	0.7699	0.6651		8.64	10.0	-13.6	30.0
Benzyl chloride	Ave	0.8526	0.7269		8.52	10.0	-14.7	30.0
n-Butylbenzene	Ave	1.038	0.8996		8.66	10.0	-13.3	30.0
n-Undecane	Ave	0.5364	0.4568		8.51	10.0	-14.8	30.0
1,2-Dichlorobenzene	Ave	0.7244	0.6212		8.57	10.0	-14.2	30.0
n-Dodecane	Ave	0.4305	0.3799		8.82	10.0	-11.8	30.0
1,2,4-Trichlorobenzene	Ave	0.4796	0.4164		8.68	10.0	-13.2	30.0
Hexachlorobutadiene	Ave	0.4705	0.3984		8.47	10.0	-15.3	30.0
Naphthalene	Ave	0.8498	0.6818		8.02	10.0	-19.8	30.0
1,2,3-Trichlorobenzene	Ave	0.4187	0.3591		8.58	10.0	-14.2	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-17.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 12-Dec-2017 06:21:30 ALS Bottle#: 22 Worklist Smp#: 17
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0028297-017
 Operator ID: pad Instrument ID: CHG.i
 Sublist:
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 12-Dec-2017 12:50:10 Calib Date: 12-Dec-2017 02:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: daiglep

Date: 12-Dec-2017 11:44:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.128	3.122	0.006	95	142474	10.0	8.77	
2 Dichlorodifluoromethane	85	3.181	3.181	0.000	99	891378	10.0	9.10	
3 Chlorodifluoromethane	51	3.219	3.219	0.000	96	391007	10.0	9.01	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.390	3.395	-0.005	92	762317	10.0	9.78	
5 Chloromethane	50	3.508	3.508	0.000	99	173942	10.0	8.73	
6 Butane	43	3.663	3.663	0.000	96	259135	10.0	9.02	
7 Vinyl chloride	62	3.700	3.700	0.000	98	212328	10.0	8.54	
8 Butadiene	54	3.759	3.759	0.000	94	138085	10.0	8.61	
10 Bromomethane	94	4.305	4.305	0.000	98	252416	10.0	8.57	
11 Chloroethane	64	4.487	4.492	-0.005	98	82064	10.0	8.88	
12 2-Methylbutane	43	4.540	4.545	-0.005	88	172348	10.0	9.10	
13 Vinyl bromide	106	4.802	4.808	-0.006	97	254157	10.0	8.52	
14 Trichlorofluoromethane	101	4.877	4.882	-0.005	99	754105	10.0	8.38	
16 Pentane	43	4.984	4.995	-0.011	98	261170	10.0	9.88	
17 Ethanol	45	5.353	5.364	-0.011	97	78921	15.0	14.5	
18 Ethyl ether	59	5.423	5.428	-0.005	96	107737	10.0	9.33	
20 1,1,2-Trichloro-1,2,2-trif	101	5.754	5.760	-0.006	97	500037	10.0	8.77	
19 Acrolein	56	5.760	5.771	-0.011	96	42541	10.0	12.4	
21 1,1-Dichloroethene	96	5.808	5.819	-0.011	98	212454	10.0	8.30	
9 BFB									
22 Acetone	43	6.038	6.043	-0.005	100	228071	10.0	8.75	
23 Carbon disulfide	76	6.172	6.182	-0.010	100	635416	10.0	10.5	
24 Isopropyl alcohol	45	6.268	6.279	-0.011	100	204731	10.0	8.20	
25 3-Chloro-1-propene	41	6.487	6.493	-0.006	94	186370	10.0	9.24	
26 Acetonitrile	41	6.626	6.637	-0.011	97	85452	10.0	9.46	
27 Methylene Chloride	49	6.744	6.750	-0.006	90	206147	10.0	8.93	
28 2-Methyl-2-propanol	59	6.964	6.969	-0.005	94	317762	10.0	8.27	
29 Methyl tert-butyl ether	73	7.124	7.129	-0.005	95	510357	10.0	8.38	
31 trans-1,2-Dichloroethene	61	7.135	7.145	-0.010	94	293225	10.0	9.14	
32 Acrylonitrile	53	7.295	7.301	-0.006	92	85817	10.0	9.13	
33 Hexane	57	7.472	7.477	-0.005	89	240129	10.0	9.16	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	7.937	7.943	-0.005	99	366563	10.0	8.68	
35 Vinyl acetate	43	8.001	8.007	-0.006	100	309491	10.0	8.52	
37 cis-1,2-Dichloroethene	96	8.959	8.964	-0.005	90	246594	10.0	8.57	
38 2-Butanone (MEK)	72	9.029	9.034	-0.006	98	71510	10.0	8.26	
39 Ethyl acetate	88	9.055	9.055	0.000	100	11584	10.0	9.07	
* 40 Chlorobromomethane	128	9.398	9.403	-0.005	74	289655	10.0	10.0	
41 Tetrahydrofuran	42	9.435	9.440	-0.005	85	153630	10.0	7.85	
42 Chloroform	83	9.510	9.515	-0.005	96	578657	10.0	8.61	
S 30 1,2-Dichloroethene, Total	61				0		20.0	17.7	
43 Cyclohexane	84	9.751	9.761	-0.010	93	282174	10.0	8.19	
44 1,1,1-Trichloroethane	97	9.783	9.788	-0.005	94	679742	10.0	8.14	
45 Carbon tetrachloride	117	10.018	10.024	-0.006	98	780962	10.0	8.58	
46 Isooctane	57	10.425	10.435	-0.010	98	978615	10.0	7.82	
47 Benzene	78	10.473	10.478	-0.005	96	698048	10.0	7.68	
48 1,2-Dichloroethane	62	10.655	10.660	-0.005	99	428356	10.0	7.77	
49 n-Heptane	43	10.805	10.810	-0.005	91	364304	10.0	7.76	
* 50 1,4-Difluorobenzene	114	11.286	11.291	-0.005	93	1495226	10.0	10.0	
52 n-Butanol	56	11.725	11.730	-0.005	92	105123	10.0	8.55	
53 Trichloroethene	95	11.746	11.752	-0.006	99	490043	10.0	8.48	
54 1,2-Dichloropropane	63	12.303	12.308	-0.005	84	272257	10.0	7.92	
A 51 GRO	1	12.412	(4.535-20.289)		0	102251967	10.0	0	
55 Methyl methacrylate	69	12.479	12.479	0.000	93	217292	10.0	8.33	
57 Dibromomethane	174	12.549	12.554	-0.005	97	433396	10.0	8.43	
56 1,4-Dioxane	88	12.554	12.559	-0.005	42	122416	10.0	7.16	
58 Dichlorobromomethane	83	12.837	12.843	-0.006	98	762051	10.0	8.67	
60 cis-1,3-Dichloropropene	75	13.752	13.758	-0.006	95	479787	10.0	8.54	
61 4-Methyl-2-pentanone (MIBK)	43	14.073	14.073	0.000	97	420989	10.0	7.53	
A 59 TVOC as Toluene	92	14.314	(3.112-25.516)		0	162029526	10.0	0	
A 63 Toluene Range	92	14.335	(14.295-14.375)		0	2340704	NC	NC	
65 Toluene	92	14.335	14.335	0.000	94	583272	10.0	8.20	
A 62 C8 Range	1	14.408	(14.344-14.444)		0	2401114	NC	NC	
64 n-Octane	43	14.389	14.394	-0.005	89	556348	10.0	8.19	
66 trans-1,3-Dichloropropene	75	14.935	14.940	-0.005	97	514740	10.0	8.84	
67 1,1,2-Trichloroethane	83	15.309	15.309	0.000	97	314490	10.0	8.28	
68 Tetrachloroethene	166	15.400	15.405	-0.005	96	660965	10.0	8.47	
69 2-Hexanone	43	15.791	15.791	0.000	94	388548	10.0	7.08	
71 Chlorodibromomethane	129	16.063	16.069	-0.006	97	771682	10.0	8.59	
72 Ethylene Dibromide	107	16.336	16.336	0.000	99	639582	10.0	8.59	
* 74 Chlorobenzene-d5	117	17.235	17.240	-0.005	85	1351288	10.0	10.0	
75 Chlorobenzene	112	17.299	17.299	0.000	96	834902	10.0	8.34	
76 Ethylbenzene	91	17.454	17.460	-0.006	98	1220946	10.0	8.17	
77 n-Nonane	57	17.593	17.593	0.000	86	503541	10.0	8.17	
78 m-Xylene & p-Xylene	106	17.711	17.716	-0.005	0	972866	20.0	16.4	
79 o-Xylene	106	18.562	18.567	-0.005	99	493622	10.0	8.16	
80 Styrene	104	18.621	18.626	-0.005	97	712225	10.0	8.72	
81 Bromoform	173	19.070	19.070	0.000	96	604770	10.0	8.61	
82 Isopropylbenzene	105	19.300	19.305	-0.005	96	1388316	10.0	8.21	
S 73 Xylenes, Total	106				0		30.0	24.6	
* 83 4-Bromofluorobenzene	95	19.696	19.696	0.000	96	949571	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	20.006	20.006	0.000	99	723032	10.0	8.46	
85 N-Propylbenzene	91	20.070	20.076	-0.006	99	1601771	10.0	8.31	
86 1,2,3-Trichloropropane	75	20.102	20.108	-0.006	97	544765	10.0	8.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 4-Ethyltoluene	105	20.279	20.279	0.000	88	1343460	10.0	8.71	
89 2-Chlorotoluene	91	20.274	20.279	-0.005	90	1133429	10.0	8.29	
87 n-Decane	57	20.274	20.279	-0.005	60	548708	10.0	8.69	
90 1,3,5-Trimethylbenzene	105	20.391	20.391	0.000	93	1153761	10.0	8.37	
91 Alpha Methyl Styrene	118	20.776	20.776	0.000	91	563987	10.0	8.88	
92 tert-Butylbenzene	119	20.899	20.899	0.000	92	1112228	10.0	8.23	
93 1,2,4-Trimethylbenzene	105	21.001	21.001	0.000	97	1143431	10.0	8.33	
94 sec-Butylbenzene	105	21.242	21.242	0.000	99	1623209	10.0	8.41	
95 4-Isopropyltoluene	119	21.451	21.456	-0.006	97	1405323	10.0	8.62	
96 1,3-Dichlorobenzene	146	21.472	21.472	0.000	97	908676	10.0	8.69	
97 1,4-Dichlorobenzene	146	21.611	21.611	0.000	96	898534	10.0	8.64	
98 Benzyl chloride	91	21.820	21.820	0.000	99	982115	10.0	8.52	
100 n-Butylbenzene	91	22.034	22.034	0.000	98	1215394	10.0	8.66	
99 Undecane	57	22.071	22.071	0.000	93	617101	10.0	8.51	
101 1,2-Dichlorobenzene	146	22.141	22.141	0.000	97	839260	10.0	8.57	
102 Dodecane	57	23.628	23.628	0.000	96	513188	10.0	8.82	
103 1,2,4-Trichlorobenzene	180	24.585	24.585	0.000	94	562610	10.0	8.68	
104 Hexachlorobutadiene	225	24.767	24.767	0.000	96	538225	10.0	8.47	
105 Naphthalene	128	25.051	25.051	0.000	99	921123	10.0	8.02	
106 1,2,3-Trichlorobenzene	180	25.506	25.506	0.000	94	485195	10.0	8.58	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

ATTO15LCSW_00726

Amount Added: 200.00

Units: mL

ATTO15GIS_00015

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-17.D

Injection Date: 12-Dec-2017 06:21:30

Instrument ID: CHG.i

Operator ID: pad

Lims ID: icv

Worklist Smp#: 17

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

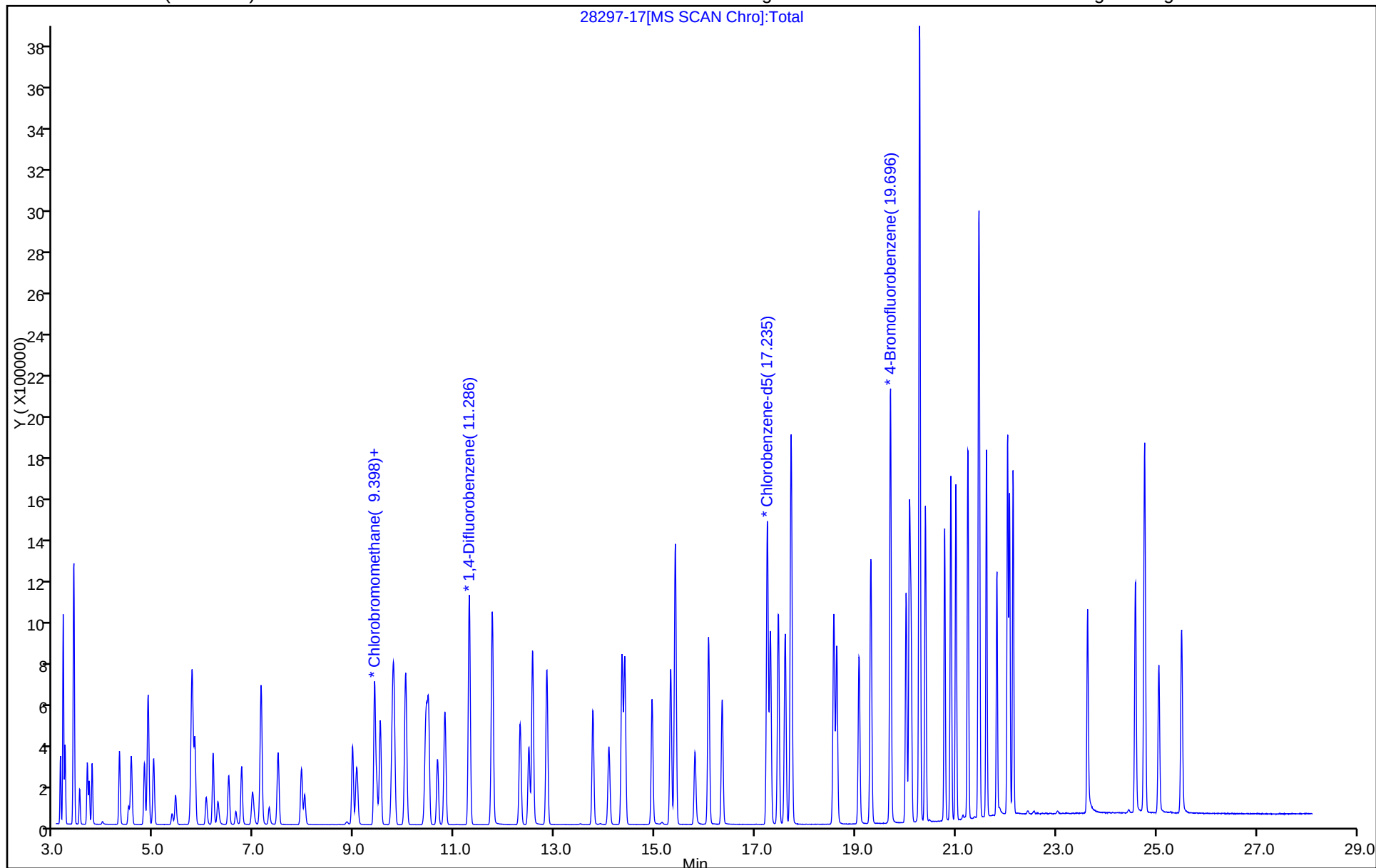
ALS Bottle#: 22

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-125422/3 Calibration Date: 01/15/2018 13:18
 Instrument ID: CHG.i Calib Start Date: 12/11/2017 18:36
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/12/2017 02:10
 Lab File ID: 28753-03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5607	0.5802		10.3	10.0	3.5	30.0
Dichlorodifluoromethane	Ave	3.381	3.500		10.4	10.0	3.5	30.0
Freon 22	Ave	1.498	1.543		10.3	10.0	3.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.691	2.898		10.8	10.0	7.7	30.0
Chloromethane	Ave	0.6881	0.6721		9.77	10.0	-2.3	30.0
n-Butane	Ave	0.9922	1.027		10.4	10.0	3.5	30.0
Vinyl chloride	Ave	0.8583	0.8048		9.37	10.0	-6.2	30.0
1,3-Butadiene	Ave	0.5534	0.5362		9.69	10.0	-3.1	30.0
Bromomethane	Ave	1.017	0.9894		9.73	10.0	-2.7	30.0
Chloroethane	Ave	0.3189	0.3298		10.3	10.0	3.4	30.0
Isopentane	Ave	0.6536	0.7057		10.8	10.0	8.0	30.0
Bromoethene (Vinyl Bromide)	Ave	1.029	1.005		9.76	10.0	-2.4	30.0
Trichlorofluoromethane	Ave	3.107	3.094		9.96	10.0	-0.4	30.0
n-Pentane	Ave	0.9127	1.065		11.7	10.0	16.7	30.0
Ethanol	Ave	0.1882	0.1544		12.3	15.0	-18.0	30.0
Ethyl ether	Ave	0.3988	0.4350		10.9	10.0	9.1	30.0
Freon TF	Ave	1.969	1.903		9.67	10.0	-3.3	30.0
Acrolein	Ave	0.1184	0.1645		13.9	10.0	38.9*	30.0
1,1-Dichloroethene	Ave	0.8837	0.8006		9.06	10.0	-9.4	30.0
Acetone	Ave	0.8997	0.9898		11.0	10.0	10.0	30.0
Carbon disulfide	Ave	2.083	2.456		11.8	10.0	17.9	30.0
Isopropyl alcohol	Ave	0.8617	0.8705		10.1	10.0	1.0	30.0
3-Chloropropene	Ave	0.6966	0.7483		10.7	10.0	7.4	30.0
Acetonitrile	Ave	0.3120	0.3417		11.0	10.0	9.5	30.0
Methylene Chloride	Ave	0.7972	0.8271		10.4	10.0	3.8	30.0
tert-Butyl alcohol	Ave	1.326	1.397		10.5	10.0	5.3	30.0
Methyl tert-butyl ether	Ave	2.104	2.092		9.94	10.0	-0.6	30.0
trans-1,2-Dichloroethene	Ave	1.108	1.178		10.6	10.0	6.4	30.0
Acrylonitrile	Ave	0.3246	0.3491		10.8	10.0	7.6	30.0
n-Hexane	Ave	0.9052	0.9698		10.7	10.0	7.1	30.0
1,1-Dichloroethane	Ave	1.458	1.480		10.1	10.0	1.5	30.0
Vinyl acetate	Ave	1.254	1.460		11.6	10.0	16.4	30.0
cis-1,2-Dichloroethene	Ave	0.9932	0.9689		9.75	10.0	-2.4	30.0
Methyl Ethyl Ketone	Ave	0.2988	0.3066		10.3	10.0	2.6	30.0
Ethyl acetate	Ave	0.0441	0.0466		10.6	10.0	5.7	30.0
Tetrahydrofuran	Ave	0.1308	0.1486		11.4	10.0	13.6	30.0
Chloroform	Ave	2.321	2.354		10.1	10.0	1.4	30.0
Cyclohexane	Ave	0.2305	0.2468		10.7	10.0	7.1	30.0
1,1,1-Trichloroethane	Ave	0.5588	0.6093		10.9	10.0	9.0	30.0
Carbon tetrachloride	Ave	0.6084	0.6812		11.2	10.0	12.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-125422/3 Calibration Date: 01/15/2018 13:18
 Instrument ID: CHG.i Calib Start Date: 12/11/2017 18:36
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/12/2017 02:10
 Lab File ID: 28753-03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.8370	0.8828		10.5	10.0	5.5	30.0
Benzene	Ave	0.6081	0.6390		10.5	10.0	5.1	30.0
1,2-Dichloroethane	Ave	0.3686	0.4164		11.3	10.0	12.9	30.0
n-Heptane	Ave	0.3140	0.3356		10.7	10.0	6.9	30.0
n-Butanol	Ave	0.0822	0.1116		13.6	10.0	35.8*	30.0
Trichloroethene	Ave	0.3866	0.3990		10.3	10.0	3.2	30.0
1,2-Dichloropropane	Ave	0.2298	0.2425		10.6	10.0	5.5	30.0
Methyl methacrylate	Ave	0.1745	0.1966		11.3	10.0	12.7	30.0
Dibromomethane	Ave	0.3440	0.3553		10.3	10.0	3.3	30.0
1,4-Dioxane	Ave	0.1144	0.1267		11.1	10.0	10.7	30.0
Bromodichloromethane	Ave	0.5880	0.6843		11.6	10.0	16.4	30.0
cis-1,3-Dichloropropene	Ave	0.3758	0.4281		11.4	10.0	13.9	30.0
methyl isobutyl ketone	Ave	0.3740	0.4572		12.2	10.0	22.3	30.0
Toluene	Ave	0.5265	0.5272		10.0	10.0	0.1	30.0
n-Octane	Ave	0.4544	0.5189		11.4	10.0	14.2	30.0
trans-1,3-Dichloropropene	Ave	0.3893	0.4598		11.8	10.0	18.1	30.0
1,1,2-Trichloroethane	Ave	0.2810	0.2940		10.5	10.0	4.6	30.0
Tetrachloroethene	Ave	0.5777	0.5749		9.95	10.0	-0.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4061	0.4699		11.6	10.0	15.7	30.0
Dibromochloromethane	Ave	0.6650	0.7810		11.7	10.0	17.4	30.0
1,2-Dibromoethane	Ave	0.5511	0.5842		10.6	10.0	6.0	30.0
Chlorobenzene	Ave	0.7413	0.7542		10.2	10.0	1.7	30.0
Ethylbenzene	Ave	1.106	1.144		10.3	10.0	3.4	30.0
n-Nonane	Ave	0.4560	0.4982		10.9	10.0	9.3	30.0
m,p-Xylene	Ave	0.4388	0.4503		20.5	20.0	2.6	30.0
Xylene, o-	Ave	0.4478	0.4571		10.2	10.0	2.1	30.0
Styrene	Ave	0.6045	0.6650		11.0	10.0	10.0	30.0
Bromoform	Ave	0.5195	0.7287		14.0	10.0	40.3*	30.0
Cumene	Ave	1.251	1.294		10.3	10.0	3.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6327	0.7073		11.2	10.0	11.8	30.0
n-Propylbenzene	Ave	1.426	1.527		10.7	10.0	7.1	30.0
1,2,3-Trichloropropane	Ave	0.4896	0.5280		10.8	10.0	7.8	30.0
2-Chlorotoluene	Ave	1.012	1.105		10.9	10.0	9.1	30.0
4-Ethyltoluene	Ave	1.142	1.294		11.3	10.0	13.4	30.0
n-Decane	Ave	0.4675	0.5482		11.7	10.0	17.3	30.0
1,3,5-Trimethylbenzene	Ave	1.020	1.075		10.5	10.0	5.4	30.0
Alpha Methyl Styrene	Ave	0.4699	0.5419		11.5	10.0	15.3	30.0
tert-Butylbenzene	Ave	1.000	1.030		10.3	10.0	3.0	30.0
1,2,4-Trimethylbenzene	Ave	1.016	1.072		10.5	10.0	5.5	30.0
sec-Butylbenzene	Ave	1.429	1.512		10.6	10.0	5.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-125422/3 Calibration Date: 01/15/2018 13:18
 Instrument ID: CHG.i Calib Start Date: 12/11/2017 18:36
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/12/2017 02:10
 Lab File ID: 28753-03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.207	1.313		10.9	10.0	8.8	30.0
1,3-Dichlorobenzene	Ave	0.7741	0.8514		11.0	10.0	10.0	30.0
1,4-Dichlorobenzene	Ave	0.7699	0.8330		10.8	10.0	8.2	30.0
Benzyl chloride	Ave	0.8526	0.9721		11.4	10.0	14.0	30.0
n-Butylbenzene	Ave	1.038	1.160		11.2	10.0	11.7	30.0
n-Undecane	Ave	0.5364	0.5994		11.2	10.0	11.7	30.0
1,2-Dichlorobenzene	Ave	0.7244	0.7724		10.7	10.0	6.6	30.0
n-Dodecane	Ave	0.4305	0.4522		10.5	10.0	5.0	30.0
1,2,4-Trichlorobenzene	Ave	0.4796	0.4984		10.4	10.0	3.9	30.0
Hexachlorobutadiene	Ave	0.4705	0.4826		10.3	10.0	2.6	30.0
Naphthalene	Ave	0.8498	0.8156		9.60	10.0	-4.0	30.0
1,2,3-Trichlorobenzene	Ave	0.4187	0.4180		9.98	10.0	-0.2	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-03.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 15-Jan-2018 13:18:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0028753-003
 Operator ID: vtp Instrument ID: CHG.i
 Sublist: chrom-TO15_MasterMethod_(v1)_G*sub1
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Jan-2018 09:04:16 Calib Date: 12-Dec-2017 02:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: puangmaleek

Date: 16-Jan-2018 09:04:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.128	3.128	0.000	96	153090	10.0	10.3	
2 Dichlorodifluoromethane	85	3.181	3.181	0.000	99	923411	10.0	10.4	
3 Chlorodifluoromethane	51	3.219	3.219	0.000	96	406989	10.0	10.3	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.390	3.390	0.000	92	764525	10.0	10.8	
5 Chloromethane	50	3.508	3.508	0.000	99	177334	10.0	9.77	
6 Butane	43	3.663	3.663	0.000	95	271010	10.0	10.4	
7 Vinyl chloride	62	3.700	3.700	0.000	98	212330	10.0	9.37	
8 Butadiene	54	3.759	3.759	0.000	95	141472	10.0	9.69	
10 Bromomethane	94	4.299	4.299	0.000	98	261045	10.0	9.73	
11 Chloroethane	64	4.481	4.481	0.000	98	87010	10.0	10.3	
12 2-Methylbutane	43	4.535	4.535	0.000	89	186179	10.0	10.8	
13 Vinyl bromide	106	4.797	4.797	0.000	97	265147	10.0	9.76	
14 Trichlorofluoromethane	101	4.872	4.872	0.000	99	816381	10.0	9.96	
16 Pentane	43	4.979	4.979	0.000	97	281022	10.0	11.7	
17 Ethanol	45	5.348	5.348	0.000	96	61143	15.0	12.3	
18 Ethyl ether	59	5.412	5.412	0.000	97	114760	10.0	10.9	
20 1,1,2-Trichloro-1,2,2-trif	101	5.744	5.744	0.000	97	502178	10.0	9.67	
19 Acrolein	56	5.749	5.749	0.000	95	43406	10.0	13.9	
9 BFB									
21 1,1-Dichloroethene	96	5.803	5.803	0.000	98	211237	10.0	9.06	
22 Acetone	43	6.022	6.022	0.000	100	261145	10.0	11.0	
23 Carbon disulfide	76	6.166	6.166	0.000	100	647990	10.0	11.8	
24 Isopropyl alcohol	45	6.257	6.257	0.000	99	229681	10.0	10.1	
25 3-Chloro-1-propene	41	6.471	6.471	0.000	94	197437	10.0	10.7	
26 Acetonitrile	41	6.611	6.611	0.000	97	90155	10.0	11.0	
27 Methylene Chloride	49	6.734	6.734	0.000	91	218230	10.0	10.4	
28 2-Methyl-2-propanol	59	6.948	6.948	0.000	94	368592	10.0	10.5	
29 Methyl tert-butyl ether	73	7.108	7.108	0.000	95	551833	10.0	9.94	
31 trans-1,2-Dichloroethene	61	7.124	7.124	0.000	96	310812	10.0	10.6	
32 Acrylonitrile	53	7.274	7.274	0.000	91	92111	10.0	10.8	
33 Hexane	57	7.461	7.461	0.000	89	255860	10.0	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63	7.921	7.921	0.000	99	390573	10.0	10.1	
35 Vinyl acetate	43	7.985	7.985	0.000	100	385247	10.0	11.6	
37 cis-1,2-Dichloroethene	96	8.943	8.943	0.000	92	255627	10.0	9.75	
38 2-Butanone (MEK)	72	9.013	9.013	0.000	99	80889	10.0	10.3	
39 Ethyl acetate	88	9.029	9.029	0.000	99	12305	10.0	10.6	
* 40 Chlorobromomethane	128	9.376	9.376	0.000	77	263890	10.0	10.0	
41 Tetrahydrofuran	42	9.419	9.419	0.000	85	174266	10.0	11.4	
42 Chloroform	83	9.494	9.494	0.000	96	621061	10.0	10.1	
S 30 1,2-Dichloroethene, Total	61				0		20.0	20.4	
43 Cyclohexane	84	9.735	9.735	0.000	94	289421	10.0	10.7	
44 1,1,1-Trichloroethane	97	9.761	9.761	0.000	95	714493	10.0	10.9	
45 Carbon tetrachloride	117	9.997	9.997	0.000	98	798860	10.0	11.2	
46 Isooctane	57	10.409	10.409	0.000	97	1035248	10.0	10.5	
47 Benzene	78	10.452	10.452	0.000	96	749322	10.0	10.5	
48 1,2-Dichloroethane	62	10.633	10.633	0.000	99	488235	10.0	11.3	
49 n-Heptane	43	10.783	10.783	0.000	91	393583	10.0	10.7	
* 50 1,4-Difluorobenzene	114	11.265	11.265	0.000	94	1172894	10.0	10.0	
52 n-Butanol	56	11.709	11.709	0.000	92	130866	10.0	13.6	
53 Trichloroethene	95	11.725	11.725	0.000	97	467847	10.0	10.3	
54 1,2-Dichloropropane	63	12.281	12.281	0.000	82	284420	10.0	10.6	
A 51 GRO	1	12.396	(4.525-20.268)		0	109934413	10.0	0	
55 Methyl methacrylate	69	12.458	12.458	0.000	90	230538	10.0	11.3	
57 Dibromomethane	174	12.527	12.527	0.000	96	416670	10.0	10.3	
56 1,4-Dioxane	88	12.533	12.533	0.000	47	148560	10.0	11.1	
58 Dichlorobromomethane	83	12.811	12.811	0.000	99	802465	10.0	11.6	
60 cis-1,3-Dichloropropene	75	13.731	13.731	0.000	97	502067	10.0	11.4	
61 4-Methyl-2-pentanone (MIBK)	43	14.047	14.047	0.000	98	536169	10.0	12.2	
A 59 TVOC as Toluene	92	14.303	(3.118-25.489)		0	172265738	10.0	0	
A 63 Toluene Range	92	14.309	(14.269-14.349)		0	2403505	NC	NC	
65 Toluene	92	14.309	14.309	0.000	94	582492	10.0	10.0	
64 n-Octane	43	14.368	14.368	0.000	90	608498	10.0	11.4	
A 62 C8 Range	1	14.384	(14.318-14.418)		0	2531720	NC	NC	
66 trans-1,3-Dichloropropene	75	14.913	14.913	0.000	98	539197	10.0	11.8	
67 1,1,2-Trichloroethane	83	15.282	15.282	0.000	99	324824	10.0	10.5	
68 Tetrachloroethene	166	15.379	15.379	0.000	96	635162	10.0	9.95	
69 2-Hexanone	43	15.764	15.764	0.000	92	519133	10.0	11.6	
71 Chlorodibromomethane	129	16.042	16.042	0.000	97	862816	10.0	11.7	
72 Ethylene Dibromide	107	16.310	16.310	0.000	99	645442	10.0	10.6	
* 74 Chlorobenzene-d5	117	17.214	17.214	0.000	87	1105010	10.0	10.0	
75 Chlorobenzene	112	17.272	17.272	0.000	94	833249	10.0	10.2	
76 Ethylbenzene	91	17.433	17.433	0.000	98	1263611	10.0	10.3	
77 n-Nonane	57	17.572	17.572	0.000	88	550440	10.0	10.9	
78 m-Xylene & p-Xylene	106	17.690	17.690	0.000	0	994970	20.0	20.5	
79 o-Xylene	106	18.540	18.540	0.000	98	505013	10.0	10.2	
80 Styrene	104	18.599	18.599	0.000	99	734683	10.0	11.0	
81 Bromoform	173	19.043	19.043	0.000	95	805063	10.0	14.0	
82 Isopropylbenzene	105	19.279	19.279	0.000	97	1429704	10.0	10.3	
S 73 Xylenes, Total	106				0		30.0	30.7	
* 83 4-Bromofluorobenzene	95	19.669	19.669	0.000	94	842290	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	19.985	19.985	0.000	99	781386	10.0	11.2	
85 N-Propylbenzene	91	20.054	20.054	0.000	99	1686994	10.0	10.7	
86 1,2,3-Trichloropropane	75	20.081	20.081	0.000	97	583356	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91	20.252	20.252	0.000	97	1220416	10.0	10.9	
88 4-Ethyltoluene	105	20.258	20.258	0.000	97	1429677	10.0	11.3	
87 n-Decane	57	20.258	20.258	0.000	94	605696	10.0	11.7	
90 1,3,5-Trimethylbenzene	105	20.370	20.370	0.000	93	1187137	10.0	10.5	
91 Alpha Methyl Styrene	118	20.755	20.755	0.000	90	598659	10.0	11.5	
92 tert-Butylbenzene	119	20.878	20.878	0.000	92	1138275	10.0	10.3	
93 1,2,4-Trimethylbenzene	105	20.980	20.980	0.000	98	1184412	10.0	10.5	
94 sec-Butylbenzene	105	21.221	21.221	0.000	98	1670980	10.0	10.6	
95 4-Isopropyltoluene	119	21.435	21.435	0.000	97	1451046	10.0	10.9	
96 1,3-Dichlorobenzene	146	21.451	21.451	0.000	98	940634	10.0	11.0	
97 1,4-Dichlorobenzene	146	21.595	21.595	0.000	95	920268	10.0	10.8	
98 Benzyl chloride	91	21.798	21.798	0.000	98	1073989	10.0	11.4	
100 n-Butylbenzene	91	22.012	22.012	0.000	99	1281142	10.0	11.2	
99 Undecane	57	22.055	22.055	0.000	94	662179	10.0	11.2	
101 1,2-Dichlorobenzene	146	22.125	22.125	0.000	96	853326	10.0	10.7	
102 Dodecane	57	23.607	23.607	0.000	95	499536	10.0	10.5	
103 1,2,4-Trichlorobenzene	180	24.559	24.559	0.000	94	550658	10.0	10.4	
104 Hexachlorobutadiene	225	24.741	24.741	0.000	95	533196	10.0	10.3	
105 Naphthalene	128	25.024	25.024	0.000	99	901067	10.0	9.60	
106 1,2,3-Trichlorobenzene	180	25.479	25.479	0.000	95	461800	10.0	9.98	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

ATTO15CAL4w_00660

Amount Added: 200.00

Units: mL

ATTO15GIS_00015

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-03.D

Injection Date: 15-Jan-2018 13:18:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: ccvis

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

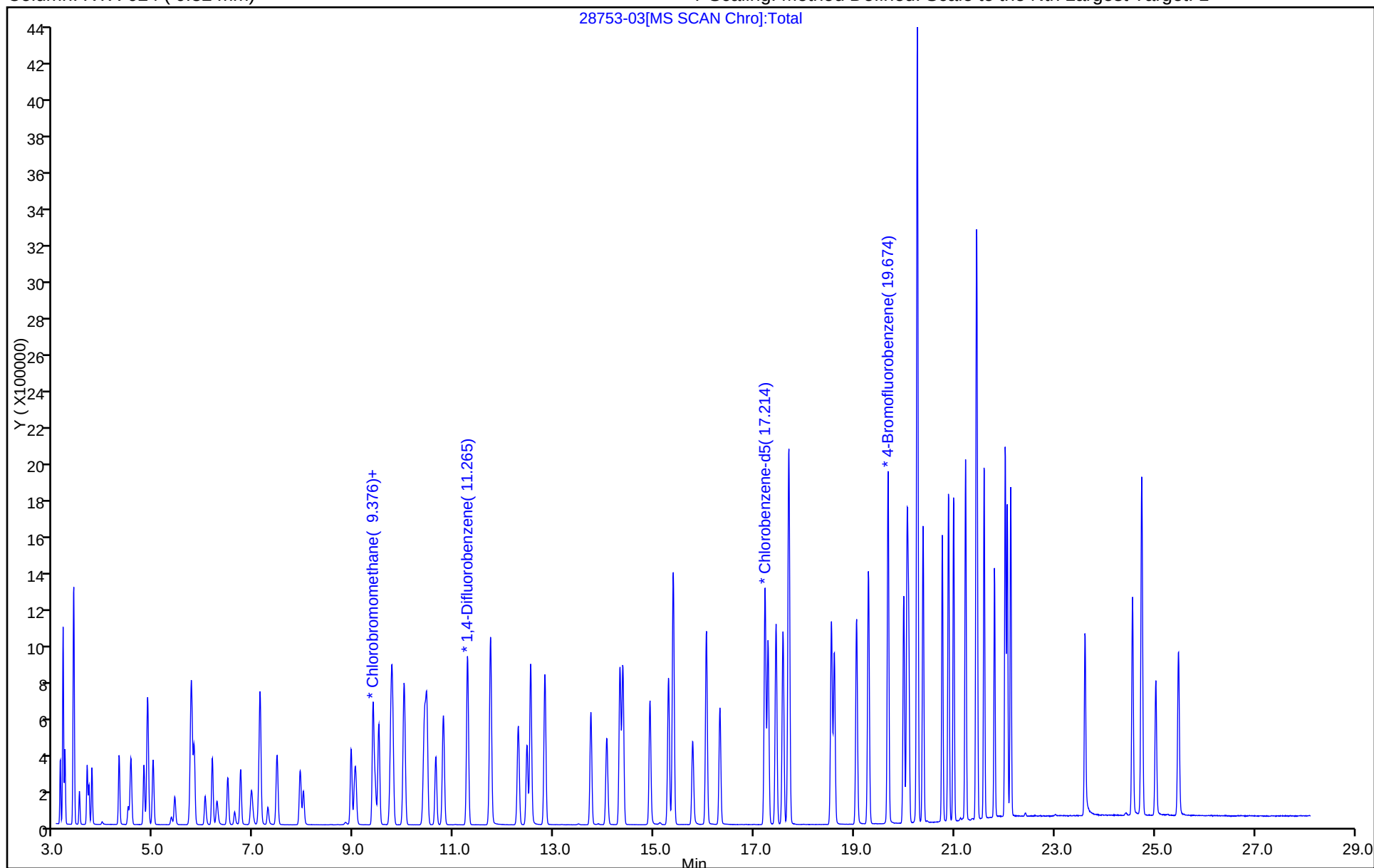
ALS Bottle#: 2

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 11-Dec-2017 17:08:30 ALS Bottle#: 7 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0028297-001
 Operator ID: pad Instrument ID: CHG.i
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 12-Dec-2017 12:49:19 Calib Date: 12-Dec-2017 02:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK009

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

9 BFB

* 40 Chlorobromomethane	128		9.403				10.0	ND	
* 50 1,4-Difluorobenzene	114		11.291				10.0	ND	
* 74 Chlorobenzene-d5	117		17.240				10.0	ND	
* 83 4-Bromofluorobenzene	95		19.696				10.0	ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

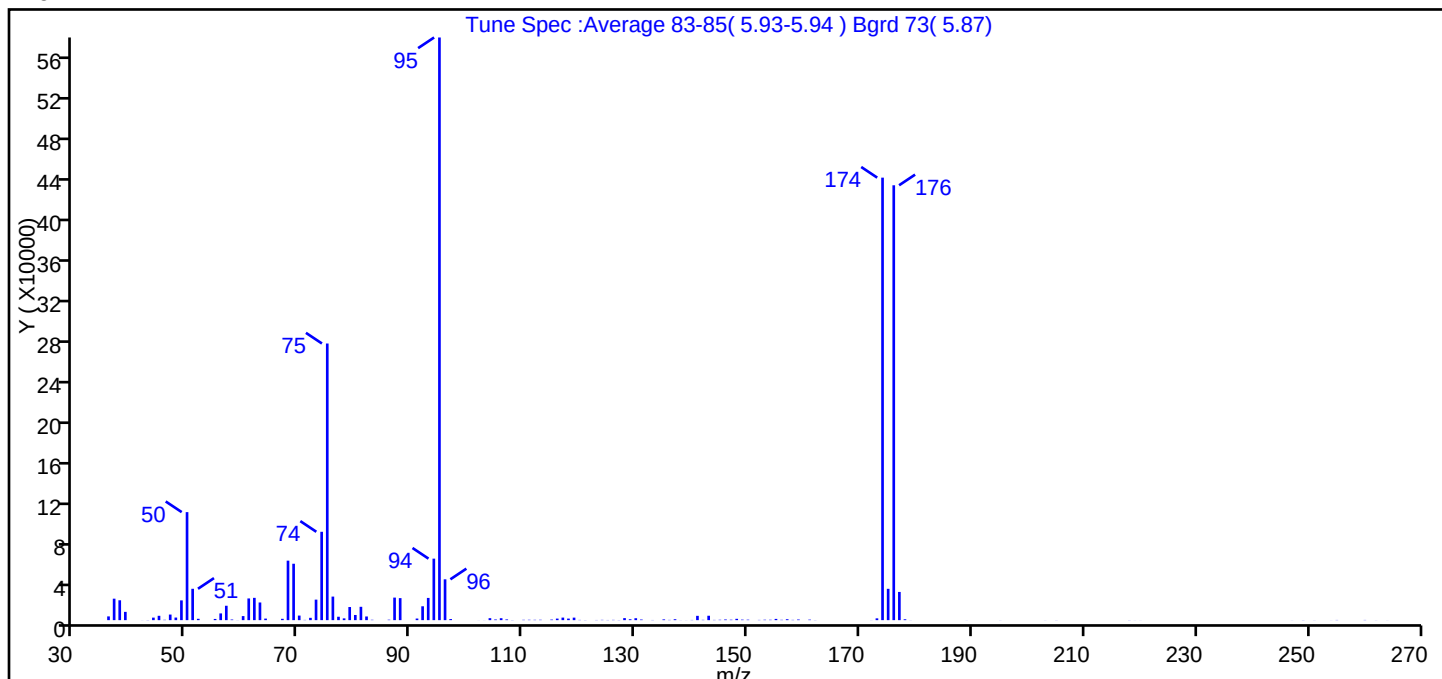
Reagents:

ATTO15GIS_00015 Amount Added: 20.00 Units: mL Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-01.D
Injection Date: 11-Dec-2017 17:08:30 Instrument ID: CHG.i
Lims ID: bfb
Client ID:
Operator ID: pad ALS Bottle#: 7 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

9 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	18.5
75	30.0 to 66.0 Percent of m/e 95	47.5
96	5.0 to 9.0 Percent of m/e 95	7.0
173	Less than 2.0 Percent of m/e 174	0.3 (0.4)
174	50.0 to 120.0 Percent of m/e 95	75.9
175	4.0 to 9.0 Percent of m/e 174	5.4 (7.1)
176	93.0 to 101.0 Percent of m/e 174	74.6 (98.3)
177	5.0 to 9.0 Percent of m/e 176	4.8 (6.5)

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-01.D\TO15_MasterMethod_(v1)_G.rs
Injection Date: 11-Dec-2017 17:08:30
Spectrum: Tune Spec :Average 83-85(5.93-5.94) Bgrd 73(5.87)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 129

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3707	75.00	273472	118.00	1541	155.00	1224
37.00	21216	76.00	23288	119.00	2486	156.00	323
38.00	19640	77.00	3359	120.00	227	157.00	894
39.00	8182	78.00	1750	121.00	121	158.00	264
42.00	62	79.00	12978	123.00	171	159.00	626
43.00	141	80.00	5100	124.00	286	161.00	509
44.00	2495	81.00	13183	125.00	169	162.00	107
45.00	4296	82.00	3628	126.00	270	172.00	74
46.00	343	83.00	353	127.00	145	173.00	1770
47.00	5528	86.00	443	128.00	2007	174.00	437440
48.00	2558	87.00	22280	129.00	884	175.00	30968
49.00	19536	88.00	21768	130.00	1896	176.00	429888
50.00	106784	91.00	1584	131.00	602	177.00	27880
51.00	31000	92.00	13703	133.00	166	178.00	858
52.00	1326	93.00	21968	135.00	744	179.00	78
55.00	1181	94.00	60792	136.00	242	189.00	61
56.00	6656	95.00	576000	137.00	896	195.00	73
57.00	14223	96.00	40360	138.00	70	203.00	59
58.00	606	97.00	1074	139.00	61	205.00	90
59.00	77	102.00	51	140.00	197	218.00	117
60.00	4005	103.00	59	141.00	4253	219.00	50
61.00	21448	104.00	1946	142.00	301	220.00	54
62.00	22040	105.00	653	143.00	4348	247.00	57
63.00	17464	106.00	1904	144.00	237	249.00	110
64.00	1535	107.00	708	145.00	372	251.00	72
67.00	1320	108.00	131	146.00	660	254.00	53
68.00	58808	110.00	326	147.00	436	255.00	193
69.00	55760	111.00	370	148.00	1308	260.00	203
70.00	4520	112.00	328	149.00	502	262.00	66
71.00	235	113.00	377	150.00	468	264.00	52
72.00	2288	115.00	562	152.00	232		
73.00	20280	116.00	1529	153.00	411		
74.00	87344	117.00	2512	154.00	380		

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3707	75.00	273472	118.00	1541	155.00	1224
37.00	21216	76.00	23288	119.00	2486	156.00	323
38.00	19640	77.00	3359	120.00	227	157.00	894
39.00	8182	78.00	1750	121.00	121	158.00	264
42.00	62	79.00	12978	123.00	171	159.00	626
43.00	141	80.00	5100	124.00	286	161.00	509
44.00	2495	81.00	13183	125.00	169	162.00	107
45.00	4296	82.00	3628	126.00	270	172.00	74
46.00	343	83.00	353	127.00	145	173.00	1770
47.00	5528	86.00	443	128.00	2007	174.00	437440
48.00	2558	87.00	22280	129.00	884	175.00	30968
49.00	19536	88.00	21768	130.00	1896	176.00	429888
50.00	106784	91.00	1584	131.00	602	177.00	27880
51.00	31000	92.00	13703	133.00	166	178.00	858
52.00	1326	93.00	21968	135.00	744	179.00	78
55.00	1181	94.00	60792	136.00	242	189.00	61
56.00	6656	95.00	576000	137.00	896	195.00	73
57.00	14223	96.00	40360	138.00	70	203.00	59
58.00	606	97.00	1074	139.00	61	205.00	90
59.00	77	102.00	51	140.00	197	218.00	117
60.00	4005	103.00	59	141.00	4253	219.00	50
61.00	21448	104.00	1946	142.00	301	220.00	54
62.00	22040	105.00	653	143.00	4348	247.00	57
63.00	17464	106.00	1904	144.00	237	249.00	110
64.00	1535	107.00	708	145.00	372	251.00	72
67.00	1320	108.00	131	146.00	660	254.00	53
68.00	58808	110.00	326	147.00	436	255.00	193
69.00	55760	111.00	370	148.00	1308	260.00	203
70.00	4520	112.00	328	149.00	502	262.00	66
71.00	235	113.00	377	150.00	468	264.00	52
72.00	2288	115.00	562	152.00	232		
73.00	20280	116.00	1529	153.00	411		
74.00	87344	117.00	2512	154.00	380		

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 15-Jan-2018 11:42:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0028753-001
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Jan-2018 09:01:52 Calib Date: 12-Dec-2017 02:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: puangmaleek

Date: 16-Jan-2018 09:01:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
9 BFB									
* 40 Chlorobromomethane	128		9.376				10.0	ND	
* 50 1,4-Difluorobenzene	114		11.265				10.0	ND	
* 74 Chlorobenzene-d5	117		17.214				10.0	ND	
* 83 4-Bromofluorobenzene	95		19.669				10.0	ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15GIS_00015

Amount Added: 20.00

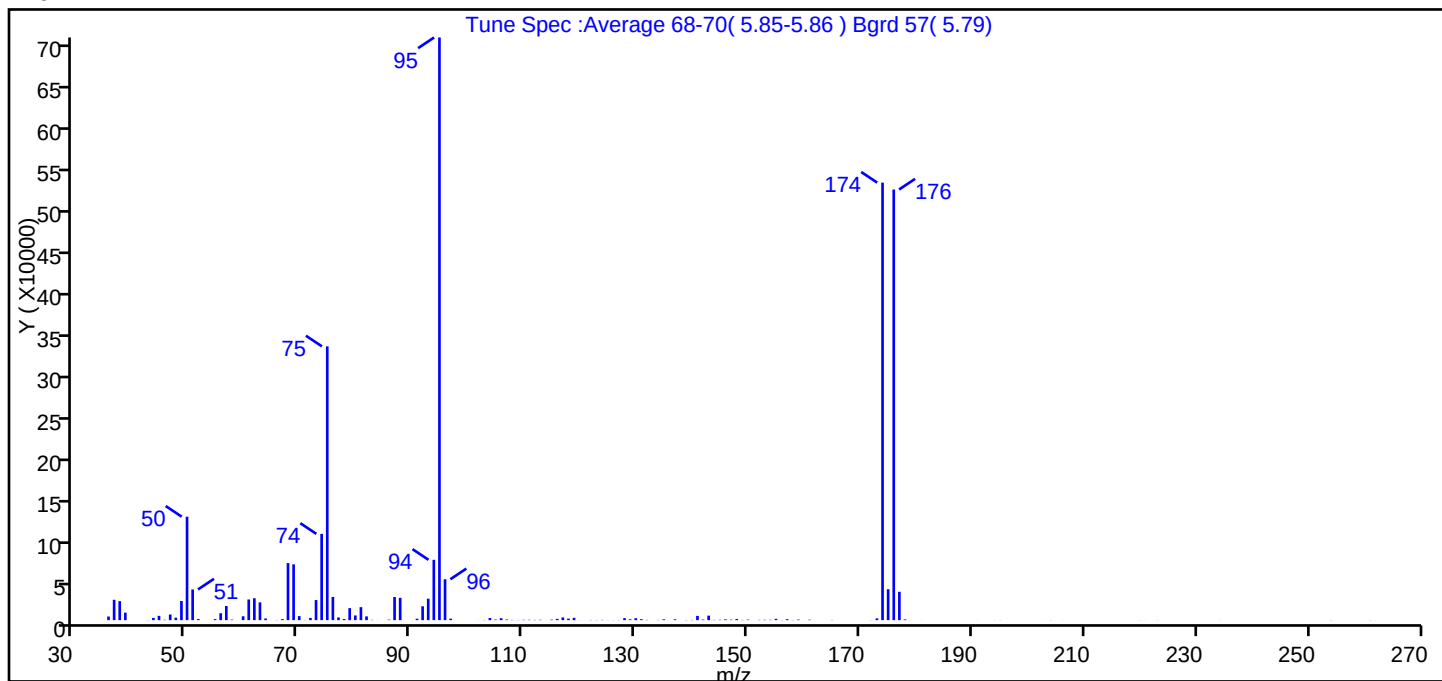
Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-01.D
Injection Date: 15-Jan-2018 11:42:30 Instrument ID: CHG.i
Lims ID: bfb
Client ID:
Operator ID: vtp ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_(v1)_G Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

9 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	17.8
75	30.0 to 66.0 Percent of m/e 95	47.0
96	5.0 to 9.0 Percent of m/e 95	7.0
173	Less than 2.0 Percent of m/e 174	0.3 (0.4)
174	50.0 to 120.0 Percent of m/e 95	75.1
175	4.0 to 9.0 Percent of m/e 174	5.3 (7.1)
176	93.0 to 101.0 Percent of m/e 174	73.9 (98.4)
177	5.0 to 9.0 Percent of m/e 176	4.9 (6.6)

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-01.D\TO15_MasterMethod_(v1)_G.rs
Injection Date: 15-Jan-2018 11:42:30
Spectrum: Tune Spec :Average 68-70(5.85-5.86) Bgrd 57(5.79)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 138

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4410	76.00	28048	119.00	2821	157.00	1158
37.00	24608	77.00	3267	120.00	92	158.00	207
38.00	22992	78.00	1340	122.00	244	159.00	714
39.00	9061	79.00	14543	123.00	190	161.00	564
43.00	134	80.00	5691	124.00	321	165.00	213
44.00	2711	81.00	15747	125.00	121	172.00	147
45.00	5206	82.00	4561	126.00	133	173.00	2147
46.00	433	83.00	340	127.00	155	174.00	529280
47.00	6866	84.00	56	128.00	2394	175.00	37408
48.00	2951	86.00	614	129.00	1073	176.00	520960
49.00	23168	87.00	27944	130.00	2361	177.00	34288
50.00	125160	88.00	26968	131.00	1138	178.00	894
51.00	37112	91.00	1709	132.00	295	179.00	88
52.00	1328	92.00	16784	133.00	23	181.00	67
55.00	1224	93.00	25968	134.00	243	191.00	68
56.00	8361	94.00	72992	135.00	1002	194.00	39
57.00	17072	95.00	704896	136.00	40	195.00	113
58.00	640	96.00	49480	137.00	980	203.00	67
59.00	41	97.00	1777	139.00	218	204.00	118
60.00	4661	102.00	52	140.00	240	206.00	64
61.00	24984	103.00	217	141.00	5119	219.00	41
62.00	26488	104.00	2596	142.00	682	220.00	102
63.00	21512	105.00	693	143.00	5449	221.00	52
64.00	2024	106.00	2356	144.00	312	223.00	83
65.00	60	107.00	734	145.00	448	225.00	50
66.00	201	108.00	251	146.00	943	233.00	32
67.00	1246	109.00	186	147.00	543	234.00	71
68.00	69048	110.00	420	148.00	1361	253.00	34
69.00	67488	111.00	442	149.00	262	254.00	149
70.00	4896	112.00	330	150.00	649	255.00	27
71.00	222	113.00	438	152.00	332	260.00	5
72.00	2615	115.00	621	153.00	450	261.00	155
73.00	24304	116.00	1587	154.00	406	262.00	63

Report Date: 16-Jan-2018 09:01:53

Chrom Revision: 2.2 08-Dec-2017 11:41:26

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-01.D\TO15_MasterMethod_(v1)_G.rs

Injection Date: 15-Jan-2018 11:42:30

Spectrum: Tune Spec :Average 68-70(5.85-5.86) Bgrd 57(5.79)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 138

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	104376	117.00	3281	155.00	1565		
75.00	331200	118.00	1909	156.00	184		

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-125422/5
 Matrix: Air Lab File ID: 28753-05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/15/2018 14:59
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 125422 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.50
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	0.40	U	0.40	0.40
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.20
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	5.0
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.20
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.50
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.20
67-64-1	Acetone	58.08	5.0	U	5.0	5.0
71-43-2	Benzene	78.11	0.20	U	0.20	0.20
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.20
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.20	U	0.20	0.20
75-25-2	Bromoform	252.75	0.20	U	0.20	0.20
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.20
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.50
56-23-5	Carbon tetrachloride	153.81	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.20
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.50
67-66-3	Chloroform	119.38	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-125422/5
 Matrix: Air Lab File ID: 28753-05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/15/2018 14:59
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 125422 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.20
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.20
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.20
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	0.50
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.20
76-13-1	Freon TF	187.38	0.20	U	0.20	0.20
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.20
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	5.0
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.50
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.50
78-93-3	Methyl Ethyl Ketone	72.11	0.50	U	0.50	0.50
108-10-1	methyl isobutyl ketone	100.16	0.50	U	0.50	0.50
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.20
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.50
142-82-5	n-Heptane	100.21	0.20	U	0.20	0.20
110-54-3	n-Hexane	86.17	0.20	U	0.20	0.20
100-42-5	Styrene	104.15	0.20	U	0.20	0.20
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	5.0
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	5.0
108-88-3	Toluene	92.14	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.20
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20	0.20
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	106.17	0.70	U	0.70	0.70
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-125422/5
 Matrix: Air Lab File ID: 28753-05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/15/2018 14:59
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 125422 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	1.1
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	1.4
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	1.1
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.81
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.79
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	3.7
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.98
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	1.5
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	1.2
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.81
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	1.6
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.92
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	1.4
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.98
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.44
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	1.2
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	1.2
123-91-1	1,4-Dioxane	88.11	18	U	18	18
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.93
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	1.0
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	1.6
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.98
67-64-1	Acetone	58.08	12	U	12	12
71-43-2	Benzene	78.11	0.64	U	0.64	0.64
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87	0.87
75-25-2	Bromoform	252.75	2.1	U	2.1	2.1
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.78
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	1.6
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	1.3
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.92
75-00-3	Chloroethane	64.52	1.3	U	1.3	1.3
67-66-3	Chloroform	119.38	0.98	U	0.98	0.98

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-125422/5
 Matrix: Air Lab File ID: 28753-05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/15/2018 14:59
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 125422 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	1.0	U	1.0	1.0
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.79
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.91
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.69
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	1.7
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	2.5
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.87
76-13-1	Freon TF	187.38	1.5	U	1.5	1.5
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	2.1
67-63-0	Isopropyl alcohol	60.10	12	U	12	12
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	2.2
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	2.0
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	1.5
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	2.0
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.72
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	1.7
142-82-5	n-Heptane	100.21	0.82	U	0.82	0.82
110-54-3	n-Hexane	86.17	0.70	U	0.70	0.70
100-42-5	Styrene	104.15	0.85	U	0.85	0.85
75-65-0	tert-Butyl alcohol	74.12	15	U	15	15
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	1.4
109-99-9	Tetrahydrofuran	72.11	15	U	15	15
108-88-3	Toluene	92.14	0.75	U	0.75	0.75
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.79
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.91
79-01-6	Trichloroethene	131.39	1.1	U	1.1	1.1
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1	1.1
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	0.51
1330-20-7	Xylene (total)	106.17	3.0	U	3.0	3.0
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.87

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-05.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 15-Jan-2018 14:59:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0028753-005
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Jan-2018 09:17:39 Calib Date: 12-Dec-2017 02:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: puangmaleek

Date: 16-Jan-2018 09:17:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		3.101					ND	
2 Dichlorodifluoromethane	85		3.160					ND	
3 Chlorodifluoromethane	51		3.197					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.374					ND	
5 Chloromethane	50		3.491					ND	
6 Butane	43		3.641					ND	
7 Vinyl chloride	62		3.679					ND	
8 Butadiene	54		3.738					ND	
10 Bromomethane	94		4.283					ND	
11 Chloroethane	64		4.460					ND	
12 2-Methylbutane	43		4.513					ND	
13 Vinyl bromide	106		4.775					ND	
14 Trichlorofluoromethane	101		4.850					ND	
16 Pentane	43		4.957					ND	
17 Ethanol	45		5.316					ND	
18 Ethyl ether	59		5.391					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		5.722					ND	
19 Acrolein	56		5.728					ND	
21 1,1-Dichloroethene	96		5.781					ND	
22 Acetone	43		6.000					ND	
23 Carbon disulfide	76	6.156	6.145	0.011	94	832		0.0155	
24 Isopropyl alcohol	45		6.231					ND	
25 3-Chloro-1-propene	41		6.455					ND	
26 Acetonitrile	41		6.589					ND	
27 Methylene Chloride	49		6.712					ND	
28 2-Methyl-2-propanol	59		6.921					ND	
29 Methyl tert-butyl ether	73		7.092					ND	
31 trans-1,2-Dichloroethene	61		7.103					ND	
32 Acrylonitrile	53		7.258					ND	
33 Hexane	57		7.445					ND	
34 1,1-Dichloroethane	63		7.905					ND	
35 Vinyl acetate	43		7.969					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
37 cis-1,2-Dichloroethene	96		8.927					ND	
38 2-Butanone (MEK)	72		8.996					ND	
39 Ethyl acetate	88		9.023					ND	
* 40 Chlorobromomethane	128	9.360	9.365	-0.005	76	257669	10.0	10.0	
41 Tetrahydrofuran	42		9.403					ND	
42 Chloroform	83		9.478					ND	
S 30 1,2-Dichloroethene, Total	61		9.665					ND	
43 Cyclohexane	84		9.724					ND	
44 1,1,1-Trichloroethane	97		9.751					ND	
45 Carbon tetrachloride	117		9.986					ND	
46 Isooctane	57		10.398					ND	
47 Benzene	78		10.441					ND	
48 1,2-Dichloroethane	62		10.623					ND	
49 n-Heptane	43		10.772					ND	
* 50 1,4-Difluorobenzene	114	11.249	11.254	-0.005	94	1287360	10.0	10.0	
52 n-Butanol	56		11.682					ND	
53 Trichloroethene	95		11.719					ND	
54 1,2-Dichloropropane	63		12.270					ND	
A 51 GRO	1	12.396	(4.525-20.268)		0	467692		0	
55 Methyl methacrylate	69		12.442					ND	
56 1,4-Dioxane	88		12.516					ND	
57 Dibromomethane	174		12.522					ND	
T 36 Methyl cyclohexane TIC	55		12.585					ND	
58 Dichlorobromomethane	83		12.805					ND	
60 cis-1,3-Dichloropropene	75		13.725					ND	
61 4-Methyl-2-pentanone (MIBK)	43		14.036					ND	
A 59 TVOC as Toluene	92	14.303	(3.118-25.489)		0	529362		0	
65 Toluene	92		14.309					ND	
A 63 Toluene Range	92		(14.269-14.349)					ND	
64 n-Octane	43	14.367	14.362	0.005	83	1296		0.0222	
A 62 C8 Range	1	14.368	(14.318-14.418)		0	3015		NC	
66 trans-1,3-Dichloropropene	75		14.908					ND	
67 1,1,2-Trichloroethane	83		15.277					ND	
68 Tetrachloroethene	166		15.373					ND	
69 2-Hexanone	43		15.758					ND	
71 Chlorodibromomethane	129		16.037					ND	
72 Ethylene Dibromide	107		16.304					ND	
* 74 Chlorobenzene-d5	117	17.208	17.208	0.000	91	1197615	10.0	10.0	
75 Chlorobenzene	112		17.272					ND	
76 Ethylbenzene	91		17.427					ND	
77 n-Nonane	57		17.567					ND	
78 m-Xylene & p-Xylene	106		17.684					ND	
79 o-Xylene	106		18.535					ND	
80 Styrene	104		18.594					ND	
81 Bromoform	173		19.038					ND	
82 Isopropylbenzene	105		19.278					ND	
S 73 Xylenes, Total	106		19.600					ND	
* 83 4-Bromofluorobenzene	95	19.669	19.669	0.000	93	837948	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83		19.985					ND	
85 N-Propylbenzene	91		20.049					ND	
86 1,2,3-Trichloropropane	75		20.081					ND	
88 4-Ethyltoluene	105		20.252					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91		20.252					ND	
87 n-Decane	57		20.257					ND	
90 1,3,5-Trimethylbenzene	105		20.370					ND	
91 Alpha Methyl Styrene	118		20.755					ND	
92 tert-Butylbenzene	119		20.878					ND	
93 1,2,4-Trimethylbenzene	105		20.980					ND	
94 sec-Butylbenzene	105		21.220					ND	
95 4-Isopropyltoluene	119		21.434					ND	
96 1,3-Dichlorobenzene	146		21.450					ND	
97 1,4-Dichlorobenzene	146	21.595	21.590	0.005	88	1852		0.0201	
98 Benzyl chloride	91		21.798					ND	
100 n-Butylbenzene	91		22.012					ND	
99 Undecane	57		22.055					ND	
101 1,2-Dichlorobenzene	146	22.125	22.124	0.001	67	1540		0.0178	
102 Dodecane	57		23.606					ND	
103 1,2,4-Trichlorobenzene	180	24.559	24.559	0.000	88	2444		0.0425	
104 Hexachlorobutadiene	225		24.740					ND	
105 Naphthalene	128	25.024	25.024	0.000	95	4283		0.0421	M
106 1,2,3-Trichlorobenzene	180	25.468	25.473	-0.005	62	2259		0.0451	
T 15 Methyl Acetate TIC	43		0.000					ND	
T 70 1,2-Dibromo-3-Chloropropan	75		0.000					ND	
T 109 1,3-Dichloropropane TIC	1		0.000					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	
T 107 Methyl acetylene TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ATTO15GIS_00015

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-05.D

Injection Date: 15-Jan-2018 14:59:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: mb

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

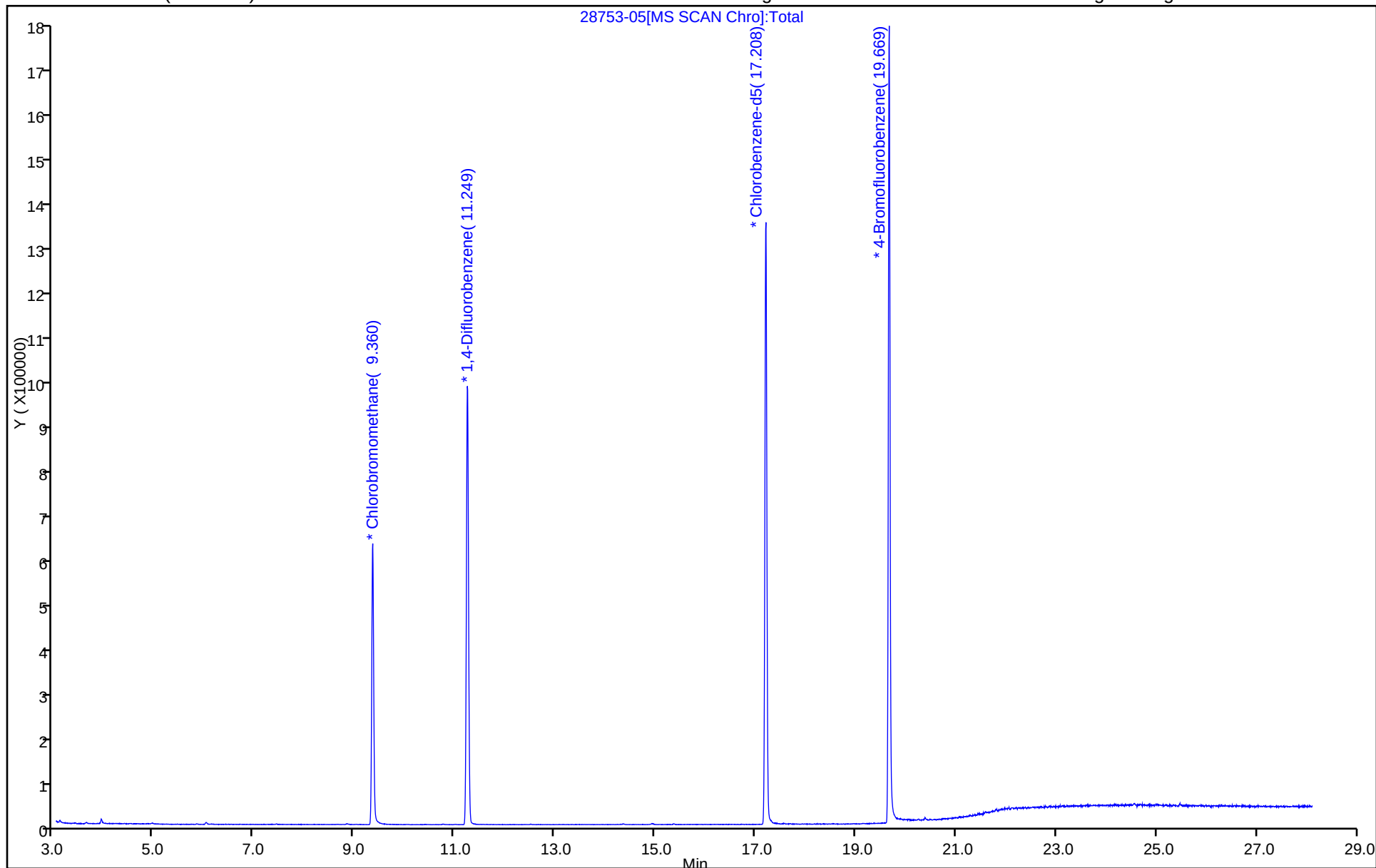
ALS Bottle#: 4

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41804-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-125422/4

Matrix: Air Lab File ID: 28753-04.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 01/15/2018 14:09

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

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

Analysis Batch No.: 125422 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	9.50		0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.0		0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	9.47		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	9.89		0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	8.71		0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	9.39		0.50	0.50
95-63-6	1,2,4-Trimethylbenzene	120.20	9.54		0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	9.69		0.20	0.20
95-50-1	1,2-Dichlorobenzene	147.00	9.53		0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	9.48		0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	19.8		0.40	0.40
78-87-5	1,2-Dichloropropane	112.99	9.42		0.20	0.20
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	10.6		0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	9.53		0.20	0.20
106-99-0	1,3-Butadiene	54.09	9.44		0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	9.73		0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	9.66		0.20	0.20
123-91-1	1,4-Dioxane	88.11	9.71		5.0	5.0
540-84-1	2,2,4-Trimethylpentane	114.23	9.04		0.20	0.20
95-49-8	2-Chlorotoluene	126.59	9.83		0.20	0.20
107-05-1	3-Chloropropene	76.53	10.2		0.50	0.50
622-96-8	4-Ethyltoluene	120.20	10.3		0.20	0.20
67-64-1	Acetone	58.08	11.1		5.0	5.0
71-43-2	Benzene	78.11	8.90		0.20	0.20
75-27-4	Bromodichloromethane	163.83	10.2		0.20	0.20
593-60-2	Bromoethene (Vinyl Bromide)	106.96	9.05		0.20	0.20
75-25-2	Bromoform	252.75	12.7		0.20	0.20
74-83-9	Bromomethane	94.94	9.15		0.20	0.20
75-15-0	Carbon disulfide	76.14	11.3		0.50	0.50
56-23-5	Carbon tetrachloride	153.81	9.85		0.20	0.20
108-90-7	Chlorobenzene	112.56	9.08		0.20	0.20
75-00-3	Chloroethane	64.52	9.61		0.50	0.50
67-66-3	Chloroform	119.38	9.82		0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41804-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-125422/4
 Matrix: Air Lab File ID: 28753-04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/15/2018 14:09
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 125422 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	9.59		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	9.46		0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	9.92		0.20	0.20
110-82-7	Cyclohexane	84.16	9.29		0.20	0.20
124-48-1	Dibromochloromethane	208.29	10.3		0.20	0.20
75-71-8	Dichlorodifluoromethane	120.91	10.2		0.50	0.50
100-41-4	Ethylbenzene	106.17	9.42		0.20	0.20
76-13-1	Freon TF	187.38	9.27		0.20	0.20
87-68-3	Hexachlorobutadiene	260.76	9.28		0.20	0.20
67-63-0	Isopropyl alcohol	60.10	9.83		5.0	5.0
179601-23-1	m,p-Xylene	106.17	18.8		0.50	0.50
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.8		0.50	0.50
78-93-3	Methyl Ethyl Ketone	72.11	10.5		0.50	0.50
108-10-1	methyl isobutyl ketone	100.16	11.1		0.50	0.50
1634-04-4	Methyl tert-butyl ether	88.15	10.0		0.20	0.20
75-09-2	Methylene Chloride	84.93	10.0		0.50	0.50
142-82-5	n-Heptane	100.21	9.22		0.20	0.20
110-54-3	n-Hexane	86.17	10.3		0.20	0.20
100-42-5	Styrene	104.15	10.0		0.20	0.20
75-65-0	tert-Butyl alcohol	74.12	10.3		5.0	5.0
127-18-4	Tetrachloroethene	165.83	8.85		0.20	0.20
109-99-9	Tetrahydrofuran	72.11	10.3		5.0	5.0
108-88-3	Toluene	92.14	9.13		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	10.3		0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	10.6		0.20	0.20
79-01-6	Trichloroethene	131.39	8.81		0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	9.16		0.20	0.20
75-01-4	Vinyl chloride	62.50	9.13		0.20	0.20
1330-20-7	Xylene (total)	106.17	28.1		0.70	0.70
95-47-6	Xylene, o-	106.17	9.28		0.20	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-04.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 15-Jan-2018 14:09:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0028753-004
 Operator ID: vtp Instrument ID: CHG.i
 Method: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\TO15_MasterMethod_(v1)_G.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Jan-2018 09:06:06 Calib Date: 12-Dec-2017 02:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20171211-28297.b\28297-12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: puangmaleek

Date: 16-Jan-2018 09:10:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.101	3.101	0.000	96	156521	10.0	10.2	
2 Dichlorodifluoromethane	85	3.160	3.160	0.000	99	947742	10.0	10.2	
3 Chlorodifluoromethane	51	3.197	3.197	0.000	96	419520	10.0	10.2	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.374	3.374	0.000	93	785140	10.0	10.6	
5 Chloromethane	50	3.491	3.491	0.000	99	181129	10.0	9.59	
6 Butane	43	3.641	3.641	0.000	95	270692	10.0	9.94	
7 Vinyl chloride	62	3.679	3.679	0.000	98	215194	10.0	9.13	
8 Butadiene	54	3.738	3.738	0.000	95	143398	10.0	9.44	
10 Bromomethane	94	4.283	4.283	0.000	98	255253	10.0	9.15	
11 Chloroethane	64	4.460	4.460	0.000	98	84108	10.0	9.61	
12 2-Methylbutane	43	4.513	4.513	0.000	89	180907	10.0	10.1	
13 Vinyl bromide	106	4.775	4.775	0.000	97	255754	10.0	9.05	
14 Trichlorofluoromethane	101	4.850	4.850	0.000	99	781565	10.0	9.16	
16 Pentane	43	4.957	4.957	0.000	97	262588	10.0	10.5	
17 Ethanol	45	5.316	5.316	0.000	96	65202	15.0	12.6	
18 Ethyl ether	59	5.391	5.391	0.000	95	115956	10.0	10.6	
20 1,1,2-Trichloro-1,2,2-trif	101	5.722	5.722	0.000	97	501016	10.0	9.27	
19 Acrolein	56	5.728	5.728	0.000	35	45141	10.0	13.9	
9 BFB									
21 1,1-Dichloroethene	96	5.781	5.781	0.000	98	211373	10.0	8.71	
22 Acetone	43	6.000	6.000	0.000	100	274313	10.0	11.1	
23 Carbon disulfide	76	6.145	6.145	0.000	100	648746	10.0	11.3	
24 Isopropyl alcohol	45	6.231	6.231	0.000	99	232519	10.0	9.83	
25 3-Chloro-1-propene	41	6.455	6.455	0.000	92	195127	10.0	10.2	
26 Acetonitrile	41	6.589	6.589	0.000	97	97116	10.0	11.3	
27 Methylene Chloride	49	6.712	6.712	0.000	91	219288	10.0	10.0	
28 2-Methyl-2-propanol	59	6.921	6.921	0.000	94	375730	10.0	10.3	
29 Methyl tert-butyl ether	73	7.092	7.092	0.000	94	579410	10.0	10.0	
31 trans-1,2-Dichloroethene	61	7.103	7.103	0.000	96	314321	10.0	10.3	
32 Acrylonitrile	53	7.258	7.258	0.000	93	100176	10.0	11.2	
33 Hexane	57	7.445	7.445	0.000	89	256316	10.0	10.3	
34 1,1-Dichloroethane	63	7.905	7.905	0.000	99	395895	10.0	9.89	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43	7.969	7.969	0.000	100	414604	10.0	12.0	
37 cis-1,2-Dichloroethene	96	8.927	8.927	0.000	92	257999	10.0	9.46	
38 2-Butanone (MEK)	72	8.996	8.996	0.000	98	86020	10.0	10.5	
39 Ethyl acetate	88	9.023	9.023	0.000	100	13473	10.0	11.1	
* 40 Chlorobromomethane	128	9.365	9.365	0.000	76	274512	10.0	10.0	
41 Tetrahydrofuran	42	9.403	9.403	0.000	85	183740	10.0	10.3	
42 Chloroform	83	9.478	9.478	0.000	96	625915	10.0	9.82	
S 30 1,2-Dichloroethene, Total	61				0		20.0	19.8	
43 Cyclohexane	84	9.724	9.724	0.000	94	292763	10.0	9.29	
44 1,1,1-Trichloroethane	97	9.751	9.751	0.000	95	725399	10.0	9.50	
45 Carbon tetrachloride	117	9.986	9.986	0.000	98	818945	10.0	9.85	
46 Isooctane	57	10.398	10.398	0.000	97	1034550	10.0	9.04	
47 Benzene	78	10.441	10.441	0.000	96	739532	10.0	8.90	
48 1,2-Dichloroethane	62	10.623	10.623	0.000	99	477673	10.0	9.48	
49 n-Heptane	43	10.772	10.772	0.000	91	395600	10.0	9.22	
* 50 1,4-Difluorobenzene	114	11.254	11.254	0.000	94	1366688	10.0	10.0	
52 n-Butanol	56	11.682	11.682	0.000	94	131114	10.0	11.7	
53 Trichloroethene	95	11.719	11.719	0.000	96	465383	10.0	8.81	
54 1,2-Dichloropropane	63	12.270	12.270	0.000	82	295799	10.0	9.42	
A 51 GRO	1	12.396	(4.525-20.268)		0	112600208	10.0	0	
55 Methyl methacrylate	69	12.442	12.442	0.000	90	251135	10.0	10.5	
57 Dibromomethane	174	12.522	12.522	0.000	96	423550	10.0	9.01	
56 1,4-Dioxane	88	12.516	12.516	0.000	47	151777	10.0	9.71	
58 Dichlorobromomethane	83	12.805	12.805	0.000	98	817044	10.0	10.2	
60 cis-1,3-Dichloropropene	75	13.725	13.725	0.000	97	509528	10.0	9.92	
61 4-Methyl-2-pentanone (MIBK)	43	14.036	14.036	0.000	98	565539	10.0	11.1	
A 59 TVOC as Toluene	92	14.303	(3.118-25.489)		0	176662374	10.0	0	
A 63 Toluene Range	92	14.309	(14.269-14.349)		0	2838629	NC	NC	
65 Toluene	92	14.309	14.309	0.000	94	605116	10.0	9.13	
64 n-Octane	43	14.362	14.362	0.000	90	611956	10.0	9.85	
A 62 C8 Range	1	14.381	(14.318-14.418)		0	2366775	NC	NC	
66 trans-1,3-Dichloropropene	75	14.908	14.908	0.000	98	563205	10.0	10.6	
67 1,1,2-Trichloroethane	83	15.277	15.277	0.000	99	335314	10.0	9.47	
68 Tetrachloroethene	166	15.373	15.373	0.000	95	643707	10.0	8.85	
69 2-Hexanone	43	15.758	15.758	0.000	92	553507	10.0	10.8	
71 Chlorodibromomethane	129	16.037	16.037	0.000	97	865406	10.0	10.3	
72 Ethylene Dibromide	107	16.304	16.304	0.000	99	672567	10.0	9.69	
* 74 Chlorobenzene-d5	117	17.208	17.208	0.000	86	1259481	10.0	10.0	
75 Chlorobenzene	112	17.272	17.272	0.000	96	847456	10.0	9.08	
76 Ethylbenzene	91	17.427	17.427	0.000	99	1312602	10.0	9.42	
77 n-Nonane	57	17.567	17.567	0.000	88	550363	10.0	9.58	
78 m-Xylene & p-Xylene	106	17.684	17.684	0.000	0	1038530	20.0	18.8	
79 o-Xylene	106	18.535	18.535	0.000	99	523193	10.0	9.28	
80 Styrene	104	18.594	18.594	0.000	98	763303	10.0	10.0	
81 Bromoform	173	19.038	19.038	0.000	95	832372	10.0	12.7	
82 Isopropylbenzene	105	19.278	19.278	0.000	97	1469496	10.0	9.32	
S 73 Xylenes, Total	106				0		30.0	28.1	
* 83 4-Bromofluorobenzene	95	19.669	19.669	0.000	94	909327	10.0	10.0	
84 1,1,2,2-Tetrachloroethane	83	19.985	19.985	0.000	98	799359	10.0	10.0	
85 N-Propylbenzene	91	20.049	20.049	0.000	99	1737529	10.0	9.67	
86 1,2,3-Trichloropropane	75	20.081	20.081	0.000	97	603864	10.0	9.79	
89 2-Chlorotoluene	91	20.252	20.252	0.000	97	1253620	10.0	9.83	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 4-Ethyltoluene	105	20.252	20.252	0.000	96	1477576	10.0	10.3	
87 n-Decane	57	20.257	20.257	0.000	94	611323	10.0	10.4	
90 1,3,5-Trimethylbenzene	105	20.370	20.370	0.000	93	1224453	10.0	9.53	
91 Alpha Methyl Styrene	118	20.755	20.755	0.000	92	619281	10.0	10.5	
92 tert-Butylbenzene	119	20.878	20.878	0.000	91	1162212	10.0	9.23	
93 1,2,4-Trimethylbenzene	105	20.980	20.980	0.000	98	1220442	10.0	9.54	
94 sec-Butylbenzene	105	21.220	21.220	0.000	98	1709959	10.0	9.50	
95 4-Isopropyltoluene	119	21.434	21.434	0.000	97	1493713	10.0	9.83	
96 1,3-Dichlorobenzene	146	21.450	21.450	0.000	98	948320	10.0	9.73	
97 1,4-Dichlorobenzene	146	21.590	21.590	0.000	95	936833	10.0	9.66	
98 Benzyl chloride	91	21.798	21.798	0.000	98	1110921	10.0	10.3	
100 n-Butylbenzene	91	22.012	22.012	0.000	99	1323395	10.0	10.1	
99 Undecane	57	22.055	22.055	0.000	94	680933	10.0	10.1	
101 1,2-Dichlorobenzene	146	22.124	22.124	0.000	96	869189	10.0	9.53	
102 Dodecane	57	23.606	23.606	0.000	94	564505	10.0	10.4	
103 1,2,4-Trichlorobenzene	180	24.559	24.559	0.000	94	567180	10.0	9.39	
104 Hexachlorobutadiene	225	24.740	24.740	0.000	95	549647	10.0	9.28	
105 Naphthalene	128	25.024	25.024	0.000	99	912280	10.0	8.52	
106 1,2,3-Trichlorobenzene	180	25.473	25.473	0.000	95	478489	10.0	9.07	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

ATTO15LCSW_00739

Amount Added: 200.00

Units: mL

ATTO15GIS_00015

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20180115-28753.b\28753-04.D

Injection Date: 15-Jan-2018 14:09:30

Instrument ID: CHG.i

Operator ID: vtp

Lims ID: lcs

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

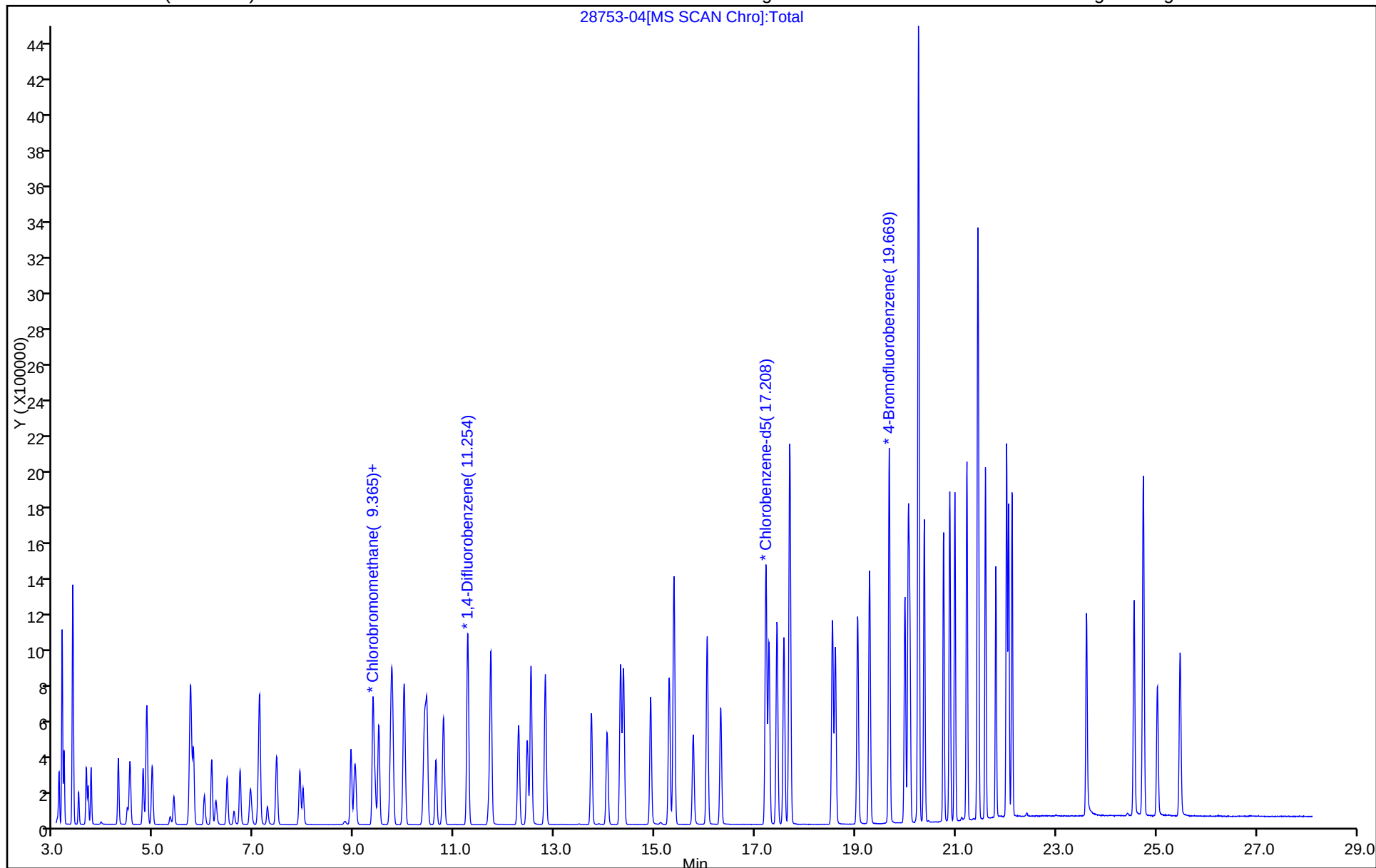
ALS Bottle#: 3

Method: TO15_MasterMethod_(v1)_G

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-41804-1

SDG No.: _____

Instrument ID: CHG.i Start Date: 12/11/2017 17:08Analysis Batch Number: 124302 End Date: 12/12/2017 08:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-124302/1		12/11/2017 17:08	1	28297-01.D	RTX-624 0.32 (mm)
VIBLK 200-124302/2		12/11/2017 17:46	1		RTX-624 0.32 (mm)
IC 200-124302/3		12/11/2017 18:36	1	28297-03.D	RTX-624 0.32 (mm)
IC 200-124302/4		12/11/2017 19:26	1	28297-04.D	RTX-624 0.32 (mm)
ZZZZZ		12/11/2017 20:17	1		RTX-624 0.32 (mm)
IC 200-124302/6		12/11/2017 21:07	1	28297-06.D	RTX-624 0.32 (mm)
IC 200-124302/7		12/11/2017 21:58	1	28297-07.D	RTX-624 0.32 (mm)
ICIS 200-124302/8		12/11/2017 22:48	1	28297-08.D	RTX-624 0.32 (mm)
ZZZZZ		12/11/2017 23:39	1		RTX-624 0.32 (mm)
IC 200-124302/10		12/12/2017 00:30	1	28297-10.D	RTX-624 0.32 (mm)
IC 200-124302/11		12/12/2017 01:20	1	28297-11.D	RTX-624 0.32 (mm)
IC 200-124302/12		12/12/2017 02:10	1	28297-12.D	RTX-624 0.32 (mm)
VIBLK 200-124302/13		12/12/2017 03:00	1		RTX-624 0.32 (mm)
VIBLK 200-124302/14		12/12/2017 03:51	1		RTX-624 0.32 (mm)
VIBLK 200-124302/15		12/12/2017 04:41	1		RTX-624 0.32 (mm)
ZZZZZ		12/12/2017 05:31	1		RTX-624 0.32 (mm)
ICV 200-124302/17		12/12/2017 06:21	1	28297-17.D	RTX-624 0.32 (mm)
ZZZZZ		12/12/2017 07:12	1		RTX-624 0.32 (mm)
VIBLK 200-124302/19		12/12/2017 08:02	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-41804-1

SDG No.: _____

Instrument ID: CHG.iStart Date: 01/15/2018 11:42Analysis Batch Number: 125422End Date: 01/16/2018 07:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-125422/1		01/15/2018 11:42	1	28753-01.D	RTX-624 0.32 (mm)
CCVIS 200-125422/3		01/15/2018 13:18	1	28753-03.D	RTX-624 0.32 (mm)
LCS 200-125422/4		01/15/2018 14:09	1	28753-04.D	RTX-624 0.32 (mm)
MB 200-125422/5		01/15/2018 14:59	1	28753-05.D	RTX-624 0.32 (mm)
ZZZZZ		01/15/2018 15:50	1		RTX-624 0.32 (mm)
ZZZZZ		01/15/2018 16:40	1		RTX-624 0.32 (mm)
200-41804-1		01/15/2018 17:30	1	28753-08.D	RTX-624 0.32 (mm)
200-41804-2		01/15/2018 18:20	28	28753-09.D	RTX-624 0.32 (mm)
ZZZZZ		01/15/2018 19:10	15.5		RTX-624 0.32 (mm)
ZZZZZ		01/15/2018 20:00	81.7		RTX-624 0.32 (mm)
ZZZZZ		01/15/2018 20:50	1		RTX-624 0.32 (mm)
ZZZZZ		01/15/2018 21:41	49.9		RTX-624 0.32 (mm)
ZZZZZ		01/15/2018 22:31	9.93		RTX-624 0.32 (mm)
ZZZZZ		01/15/2018 23:21	1		RTX-624 0.32 (mm)
ZZZZZ		01/16/2018 00:11	1		RTX-624 0.32 (mm)
ZZZZZ		01/16/2018 01:01	1		RTX-624 0.32 (mm)
ZZZZZ		01/16/2018 01:51	1		RTX-624 0.32 (mm)
ZZZZZ		01/16/2018 02:41	1		RTX-624 0.32 (mm)
ZZZZZ		01/16/2018 03:32	1		RTX-624 0.32 (mm)
ZZZZZ		01/16/2018 04:22	1		RTX-624 0.32 (mm)
ZZZZZ		01/16/2018 05:12	1.38		RTX-624 0.32 (mm)
ZZZZZ		01/16/2018 06:03	1		RTX-624 0.32 (mm)
ZZZZZ		01/16/2018 06:53	1		RTX-624 0.32 (mm)
ZZZZZ		01/16/2018 07:43	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-41804-1

SDG No.: _____

Batch Number: 125422 Batch Start Date: 01/15/18 11:42 Batch Analyst: Puangmalee, Kesanee 1Batch Method: TO-15 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialPressure	FinalPressure	InitialAmount	FinalAmount	ATTO15CAL4w 00660	ATTO15GIS 00015
BFB 200-125422/1		TO-15		1	1	200 mL	200 mL		20 mL
CCVIS 200-125422/3		TO-15		1	1	200 mL	200 mL	200 mL	20 mL
LCS 200-125422/4		TO-15		1	1	200 mL	200 mL		20 mL
MB 200-125422/5		TO-15		1	1	200 mL	200 mL		20 mL
200-41804-A-1	1Q18 AS	TO-15	T	1	1	200 mL	200 mL		20 mL
200-41804-A-2	1Q18 LRP	TO-15	T	1	1	27 mL	200 mL		20 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15LCSW 00739					
BFB 200-125422/1		TO-15							
CCVIS 200-125422/3		TO-15							
LCS 200-125422/4		TO-15		200 mL					
MB 200-125422/5		TO-15							
200-41804-A-1	1Q18 AS	TO-15	T						
200-41804-A-2	1Q18 LRP	TO-15	T						

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.

Pre-shipment Clean Canister Certification Report

System ID										Canister Cleaning & Pre-shipment Leak Test				Certification Type:			
Bottom Rack				Max DF#	# Cycles	Cleaning Date	Technician		Canister Size		Individual		Batch				
Port	Can ID	Initial ¹ (psia)	Final (psia)	Diff. ³	Final ("Hg)	Gauge:	Date:	Time:	Tech:	Temp:	Gauge:	Date:	Time:	Tech:	Temp:		
1	4313	.04	.13	.09	-29.6	G25	12/1/17	9:44	CE	22	G25	12/4/17	1420	SM	22		
2	2674	L	.12	.08	-29.6		L	L	L	L		L	L	L	L		
3	3232	L	.19	.15	-29.6		L	L	L	L		L	L	L	L		
4	4096	L	.04	0	-29.6		L	L	L	L		L	L	L	L		
5	4717	.04	.04	0	-29.6		12/1/17	9:44	CE	22		12/1/17	1420	SM	22		
6	6253	.04	.04	0	-29.6		12/1/17	9:44	CE	22		12/1/17	1420	SM	22		
7	3277	L	.04	0	-29.6		L	L	L	L		L	L	L	L		
8	5630	L	.04	0	-29.6		L	L	L	L		L	L	L	L		
9	4142	L	.04	0	-29.6		L	L	L	L		L	L	L	L		
10	2745	L	.04	0	-29.6		L	L	L	L		L	L	L	L		
11	6148	L	.04	0	-29.6		L	L	L	L		L	L	L	L		
12	2544	L	.04	0	-29.6		L	L	L	L		L	L	L	L		

¹ Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

³ Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister

PM Authorization Date:

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ≤ TO15 Routine ≤ TO15 LL ≤ NJDEP-LL TO15

Can ID Date

Sequence

Analyst

Inventory Level

1 2 3 4 Limited Review Date Reviewer

4717 12/6/17 28186 ERT XXXX



200-41208-A-5

4717

Location: Air-Storage

Bottle: Summa Canister 6L

Sampled: 11/30/2017 12:00 AM 200-1101097

Loc: 200

41208

#5

A

Comments:

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level 4: Individual or Batch Certification (TO15LLNJ 0.08 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Form ID: FAI023:11

Revision Date: 11-15-2017

TestAmerica Burlington

01/25/2018

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

Canister Cleaning & Pre-Shipment Leak Test															
System ID			# Cycles		Cleaning Date	Technician		Canister Size		Certification Type:					
Oven 3/4			Max DF#	1	23	Final ("Hg)		EJE	1L	6L	Individual	Batch			
Port	Can ID	Initial ¹ (psia)	Final (psia)	Diff. ³		Gauge:	Date:	Time:	Tech:	Temp:	Gauge:	Date:	Time:	Tech:	Temp:
1	4808	.05	.05	0	-29.6	G25	12/5/17	13:11	EE	22	G25	12/23/17	1430	SW	22
2	3337	.13	.13	0	-29.6										
3	6310	.05	.05	0	-29.6										
4	2534	.04	.04	0	-30.3										
5	2858	.05	.05	0	-29.6		12/5/17	15:11	EE	22		12/23/17	1430	SW	22
6	5727	.05	.05	0	-29.6										
7	4383	.05	.05	0	-29.6										
8	4345	.05	.05	0	-29.6										
9	4094	.09	.09	.04	-29.6										
10	4333	.10	.10	.05	-29.6										
11	3474	.05	.05	0	-29.6										
12	2739	.05	.05	0	-29.6										

¹ Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

³ Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister PM Authorization Date:

Clean Canister Certification Analysis & Authorization of Release to Inventory									
Test Method: ≤ TO15 Routine ≤ TO15 LL ≤ NJDEP-LL TO15		Analyst			Inventory Level			Secondary Review	
Can ID	Date	Sequence	Analyst	1	2	3	Limited	Review Date	Reviewer
2534	12/13/17	28186	ERF						
	12/13/17	KP	283009		XXXX			12/13/17	VJP
	12/18/17	KP	28372					12/18/17	JAF

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level 4: Individual or Batch Certification (TO15LLNJ 0.08 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Form ID: FAI023:11

Revision Date: 11-15-2017

TestAmerica Burlington

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FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 28186-06.d
 Lab ID: LCS 200-124054/6 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	10.3	103	58-129	
Dichlorodifluoromethane	10.0	10.3	103	68-128	
Freon 22	10.0	10.4	104	64-128	
1,2-Dichlorotetrafluoroethane	10.0	11.5	115	78-138	
Chloromethane	10.0	10.3	103	57-126	
n-Butane	10.0	10.4	104	56-130	
Vinyl chloride	10.0	10.1	101	62-125	
1,3-Butadiene	10.0	10.0	100	59-125	
Bromomethane	10.0	10.4	104	68-128	
Chloroethane	10.0	10.9	109	65-125	
Bromoethene (Vinyl Bromide)	10.0	10.1	101	67-127	
Trichlorofluoromethane	10.0	10.1	101	67-127	
Ethanol	15.0	18.4	123	28-168	
Freon TF	10.0	10.3	103	68-128	
1,1-Dichloroethene	10.0	9.75	97	67-127	
Acetone	10.0	12.2	122	64-136	
Isopropyl alcohol	10.0	11.9	119	55-124	
Carbon disulfide	10.0	12.6	126	81-141	
3-Chloropropene	10.0	11.5	115	53-133	
Methylene Chloride	10.0	11.5	115	62-122	
tert-Butyl alcohol	10.0	11.9	119	64-124	
Methyl tert-butyl ether	10.0	10.3	103	67-127	
trans-1,2-Dichloroethene	10.0	11.5	115	72-132	
n-Hexane	10.0	11.3	113	71-131	
1,1-Dichloroethane	10.0	10.4	104	66-126	
Vinyl acetate	10.0	12.4	124	62-130	
Ethyl acetate	10.0	11.3	113	75-135	
Methyl Ethyl Ketone	10.0	11.1	111	62-122	
cis-1,2-Dichloroethene	10.0	9.66	97	67-127	
Chloroform	10.0	10.5	105	69-129	
Tetrahydrofuran	10.0	12.2	122	61-136	
1,1,1-Trichloroethane	10.0	10.1	101	70-130	
Cyclohexane	10.0	10.1	101	69-129	
Carbon tetrachloride	10.0	9.76	98	62-143	
2,2,4-Trimethylpentane	10.0	10.3	103	67-127	
Benzene	10.0	9.95	99	67-127	
1,2-Dichloroethane	10.0	10.6	106	67-132	
n-Heptane	10.0	10.7	107	62-130	
Trichloroethene	10.0	9.60	96	68-128	
Methyl methacrylate	10.0	11.1	111	70-130	
1,2-Dichloropropane	10.0	10.2	102	67-127	
1,4-Dioxane	10.0	11.1	111	66-132	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 28186-06.d
 Lab ID: LCS 200-124054/6 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.3	103	69-129	
cis-1,3-Dichloropropene	10.0	10.5	105	70-130	
methyl isobutyl ketone	10.0	11.9	119	62-130	
Toluene	10.0	9.74	97	67-127	
trans-1,3-Dichloropropene	10.0	10.7	107	69-129	
1,1,2-Trichloroethane	10.0	10.1	101	69-129	
Tetrachloroethene	10.0	8.64	86	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	12.2	122	61-127	
Dibromochloromethane	10.0	9.38	94	66-130	
1,2-Dibromoethane	10.0	10.0	100	70-130	
Chlorobenzene	10.0	9.40	94	68-128	
Ethylbenzene	10.0	9.75	98	68-128	
m,p-Xylene	20.0	18.9	94	68-128	
Xylene, o-	10.0	9.15	92	67-127	
Styrene	10.0	9.47	95	68-128	
Bromoform	10.0	9.02	90	34-170	
Cumene	10.0	9.43	94	67-127	
1,1,2,2-Tetrachloroethane	10.0	10.1	101	69-129	
n-Propylbenzene	10.0	9.96	100	67-127	
4-Ethyltoluene	10.0	9.99	100	69-129	
1,3,5-Trimethylbenzene	10.0	9.45	95	65-125	
2-Chlorotoluene	10.0	9.79	98	67-127	
tert-Butylbenzene	10.0	9.18	92	63-125	
1,2,4-Trimethylbenzene	10.0	9.61	96	65-125	
sec-Butylbenzene	10.0	9.72	97	66-126	
4-Isopropyltoluene	10.0	9.66	97	67-129	
1,3-Dichlorobenzene	10.0	9.55	96	67-127	
1,4-Dichlorobenzene	10.0	9.57	96	66-126	
Benzyl chloride	10.0	10.2	102	54-135	
n-Butylbenzene	10.0	10.8	108	67-127	
1,2-Dichlorobenzene	10.0	9.28	93	67-127	
1,2,4-Trichlorobenzene	10.0	7.68	77	59-126	
Hexachlorobutadiene	10.0	8.41	84	62-130	
Naphthalene	10.0	7.16	72	50-121	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-41261-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 28309-03.D
 Lab ID: LCS 200-124339/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.0	110	58-129	
Dichlorodifluoromethane	10.0	9.26	93	68-128	
Freon 22	10.0	10.2	102	64-128	
1,2-Dichlorotetrafluoroethane	10.0	9.57	96	78-138	
Chloromethane	10.0	10.8	108	57-126	
n-Butane	10.0	10.7	108	56-130	
Vinyl chloride	10.0	10.7	107	62-125	
1,3-Butadiene	10.0	10.9	109	59-125	
Bromomethane	10.0	9.70	97	68-128	
Chloroethane	10.0	10.1	101	65-125	
Bromoethene (Vinyl Bromide)	10.0	9.70	97	67-127	
Trichlorofluoromethane	10.0	9.03	90	67-127	
Ethanol	15.0	14.7	98	28-168	
Freon TF	10.0	9.11	91	68-128	
1,1-Dichloroethene	10.0	9.23	92	67-127	
Acetone	10.0	10.3	103	64-136	
Isopropyl alcohol	10.0	10.6	106	55-124	
Carbon disulfide	10.0	9.64	96	81-141	
3-Chloropropene	10.0	10.0	100	53-133	
Methylene Chloride	10.0	10.0	100	62-122	
tert-Butyl alcohol	10.0	10.0	100	64-124	
Methyl tert-butyl ether	10.0	9.50	95	67-127	
trans-1,2-Dichloroethene	10.0	9.83	98	72-132	
n-Hexane	10.0	9.62	96	71-131	
1,1-Dichloroethane	10.0	9.65	97	66-126	
Vinyl acetate	10.0	10.2	102	62-130	
Ethyl acetate	10.0	9.10	91	75-135	
Methyl Ethyl Ketone	10.0	9.59	96	62-122	
cis-1,2-Dichloroethene	10.0	9.38	94	67-127	
Chloroform	10.0	9.15	91	69-129	
Tetrahydrofuran	10.0	10.3	103	61-136	
1,1,1-Trichloroethane	10.0	8.79	88	70-130	
Cyclohexane	10.0	9.38	94	69-129	
Carbon tetrachloride	10.0	9.02	90	62-143	
2,2,4-Trimethylpentane	10.0	10.0	100	67-127	
Benzene	10.0	9.18	92	67-127	
1,2-Dichloroethane	10.0	9.24	92	67-132	
n-Heptane	10.0	9.96	100	62-130	
Trichloroethene	10.0	9.24	92	68-128	
Methyl methacrylate	10.0	9.71	97	70-130	
1,2-Dichloropropane	10.0	9.83	98	67-127	
1,4-Dioxane	10.0	9.43	94	66-132	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-41261-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 28309-03.D
 Lab ID: LCS 200-124339/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.03	90	69-129	
cis-1,3-Dichloropropene	10.0	9.52	95	70-130	
methyl isobutyl ketone	10.0	10.1	101	62-130	
Toluene	10.0	9.10	91	67-127	
trans-1,3-Dichloropropene	10.0	9.36	94	69-129	
1,1,2-Trichloroethane	10.0	9.44	94	69-129	
Tetrachloroethene	10.0	8.50	85	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.3	103	61-127	
Dibromochloromethane	10.0	8.74	87	66-130	
1,2-Dibromoethane	10.0	9.02	90	70-130	
Chlorobenzene	10.0	8.88	89	68-128	
Ethylbenzene	10.0	9.09	91	68-128	
m,p-Xylene	20.0	18.0	90	68-128	
Xylene, o-	10.0	8.85	88	67-127	
Styrene	10.0	9.08	91	68-128	
Bromoform	10.0	8.28	83	34-170	
Cumene	10.0	8.89	89	67-127	
1,1,2,2-Tetrachloroethane	10.0	9.30	93	69-129	
n-Propylbenzene	10.0	9.18	92	67-127	
4-Ethyltoluene	10.0	8.98	90	69-129	
1,3,5-Trimethylbenzene	10.0	8.94	89	65-125	
2-Chlorotoluene	10.0	8.99	90	67-127	
tert-Butylbenzene	10.0	8.70	87	63-125	
1,2,4-Trimethylbenzene	10.0	8.93	89	65-125	
sec-Butylbenzene	10.0	8.88	89	66-126	
4-Isopropyltoluene	10.0	8.63	86	67-129	
1,3-Dichlorobenzene	10.0	8.43	84	67-127	
1,4-Dichlorobenzene	10.0	8.43	84	66-126	
Benzyl chloride	10.0	9.01	90	54-135	
n-Butylbenzene	10.0	8.77	88	67-127	
1,2-Dichlorobenzene	10.0	8.27	83	67-127	
1,2,4-Trichlorobenzene	10.0	6.47	65	59-126	
Hexachlorobutadiene	10.0	7.14	71	62-130	
Naphthalene	10.0	5.75	58	50-121	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
SDG No.: _____
Lab File ID: 28186-07.d Lab Sample ID: MB 200-124054/7
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHW.i Date Analyzed: 12/05/2017 16:49
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-124054/6	28186-06.d	12/05/2017 15:56
4717	200-41208-5	28186-12.d	12/05/2017 21:45

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-124054/7
 Matrix: Air Lab File ID: 28186-07.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 12/05/2017 16:49
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 124054 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.40	U	0.40	0.40
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-124054/7
 Matrix: Air Lab File ID: 28186-07.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 12/05/2017 16:49
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 124054 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.70	U	0.70	0.70
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-124054/7
 Matrix: Air Lab File ID: 28186-07.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 12/05/2017 16:49
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 124054 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20171205-28186.b\28186-07.d
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 05-Dec-2017 16:49:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0028186-007
 Operator ID: ert Instrument ID: CHW.i
 Method: \\ChromNA\Burlington\ChromData\CHW.i\20171205-28186.b\TO15_MasterMethod_(v1).m
 Limit Group: AI_TO15_ICAL
 Last Update: 07-Dec-2017 11:58:43 Calib Date: 09-Nov-2017 01:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20171108-27803.b\27803-13.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: desjardinsb

Date: 07-Dec-2017 10:28:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		5.063					ND	
2 Dichlorodifluoromethane	85		5.176					ND	
3 Chlorodifluoromethane	51		5.256					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		5.577					ND	
5 Chloromethane	50		5.769					ND	
6 Butane	43		6.042					ND	
7 Vinyl chloride	62		6.096					ND	
8 Butadiene	54		6.197					ND	
10 Bromomethane	94		6.995					ND	
11 Chloroethane	64		7.241					ND	
12 2-Methylbutane	43		7.316					ND	
13 Vinyl bromide	106		7.647					ND	
14 Trichlorofluoromethane	101		7.744					ND	
16 Pentane	43		7.877					ND	
17 Ethanol	45		8.252					ND	
18 Ethyl ether	59		8.359					ND	
T 15 Methyl Acetate TIC	43		8.560					ND	
19 Acrolein	56		8.739					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		8.749					ND	
21 1,1-Dichloroethene	96		8.808					ND	
22 Acetone	43		9.011					ND	
23 Carbon disulfide	76		9.204					ND	
24 Isopropyl alcohol	45	9.225	9.215	0.010	100	13674		0.3061	
25 3-Chloro-1-propene	41		9.509					ND	
26 Acetonitrile	41		9.627					ND	
27 Methylene Chloride	49		9.771					ND	
28 2-Methyl-2-propanol	59		9.894					ND	
29 Methyl tert-butyl ether	73		10.103					ND	
31 trans-1,2-Dichloroethene	61		10.162					ND	
S 30 1,2-Dichloroethene, Total	61		10.200					ND	
32 Acrylonitrile	53		10.295					ND	
33 Hexane	57		10.488					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 1,1-Dichloroethane	63		10.953					ND	
35 Vinyl acetate	43		10.985					ND	
37 cis-1,2-Dichloroethene	96		11.959					ND	
38 2-Butanone (MEK)	72		11.980					ND	
39 Ethyl acetate	88		11.991					ND	
41 Tetrahydrofuran	42		12.382					ND	
* 40 Chlorobromomethane	128	12.382	12.382	0.000	99	177294	10.0	10.0	
42 Chloroform	83		12.478					ND	
43 Cyclohexane	84		12.735					ND	
44 1,1,1-Trichloroethane	97		12.751					ND	
45 Carbon tetrachloride	117		12.976					ND	
46 Isooctane	57		13.329					ND	
47 Benzene	78		13.393					ND	
48 1,2-Dichloroethane	62		13.537					ND	
49 n-Heptane	43		13.644					ND	
* 50 1,4-Difluorobenzene	114	14.083	14.088	-0.005	96	980654	10.0	10.0	
52 n-Butanol	56		14.345					ND	
53 Trichloroethene	95		14.511					ND	
A 51 GRO	1	14.738	(7.306-22.171)		0	2828831		0	
54 1,2-Dichloropropane	63		15.003					ND	
T 36 Methyl cyclohexane TIC	55		15.012					ND	
55 Methyl methacrylate	69		15.089					ND	
56 1,4-Dioxane	88		15.169					ND	
57 Dibromomethane	174		15.233					ND	
58 Dichlorobromomethane	83		15.468					ND	
60 cis-1,3-Dichloropropene	75		16.292					ND	
A 59 TVOC as Toluene	92	16.415	(5.053-27.777)		0	3043715		40.4	
61 4-Methyl-2-pentanone (MIBK)	43		16.522					ND	
65 Toluene	92		16.833					ND	
64 n-Octane	43		16.833					ND	
66 trans-1,3-Dichloropropene	75		17.357					ND	
67 1,1,2-Trichloroethane	83		17.710					ND	
68 Tetrachloroethene	166		17.828					ND	
69 2-Hexanone	43		18.101					ND	
71 Chlorodibromomethane	129		18.438					ND	
72 Ethylene Dibromide	107		18.710					ND	
T 70 1,2-Dibromo-3-Chloropropan	75		19.141					ND	
* 74 Chlorobenzene-d5	117	19.550	19.550	0.000	88	810414	10.0	10.0	
75 Chlorobenzene	112		19.609					ND	
76 Ethylbenzene	91		19.738					ND	
77 n-Nonane	57		19.812					ND	
78 m-Xylene & p-Xylene	106		19.973					ND	
S 73 Xylenes, Total	106		20.100					ND	
79 o-Xylene	106		20.749					ND	
80 Styrene	104		20.791					ND	
81 Bromoform	173		21.182					ND	
82 Isopropylbenzene	105		21.353					ND	
84 1,1,2,2-Tetrachloroethane	83		21.952					ND	
85 N-Propylbenzene	91		22.022					ND	
86 1,2,3-Trichloropropane	75		22.054					ND	
87 n-Decane	57		22.161					ND	
88 4-Ethyltoluene	105		22.198					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 2-Chlorotoluene	91		22.220					ND	
90 1,3,5-Trimethylbenzene	105		22.300					ND	
91 Alpha Methyl Styrene	118		22.653					ND	
92 tert-Butylbenzene	119		22.776					ND	
93 1,2,4-Trimethylbenzene	105		22.867					ND	
94 sec-Butylbenzene	105		23.092					ND	
95 4-Isopropyltoluene	119		23.290					ND	
96 1,3-Dichlorobenzene	146	23.333	23.338	-0.005	1	1053		0.0133	
97 1,4-Dichlorobenzene	146	23.482	23.477	0.005	89	1156		0.0155	
98 Benzyl chloride	91		23.680					ND	
100 n-Butylbenzene	91		23.889					ND	
99 Undecane	57		23.889					ND	
101 1,2-Dichlorobenzene	146	24.039	24.039	0.000	5	1040		0.0136	
102 Dodecane	57		25.579					ND	
103 1,2,4-Trichlorobenzene	180		26.714					ND	
104 Hexachlorobutadiene	225		26.906					ND	
105 Naphthalene	128		27.249					ND	
106 1,2,3-Trichlorobenzene	180		27.767					ND	
T 107 Methyl acetylene TIC	1		0.000					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	
T 109 1,3-Dichloropropane TIC	1		0.000					ND	
T 118 Chlorotrifluoroethene TIC	1		0.000					ND	
T 119 Difluoroethane TIC	1		0.000					ND	
T 120 Freon 115 TIC	1		0.000					ND	
T 121 1,1,1-Trifluoro-2,2-dichlo	1		0.000					ND	

Reagents:

ATTO15WISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20171205-28186.b\28186-07.d

Injection Date: 05-Dec-2017 16:49:30

Instrument ID: CHW.i

Operator ID: ert

Lims ID: mb

Worklist Smp#: 7

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

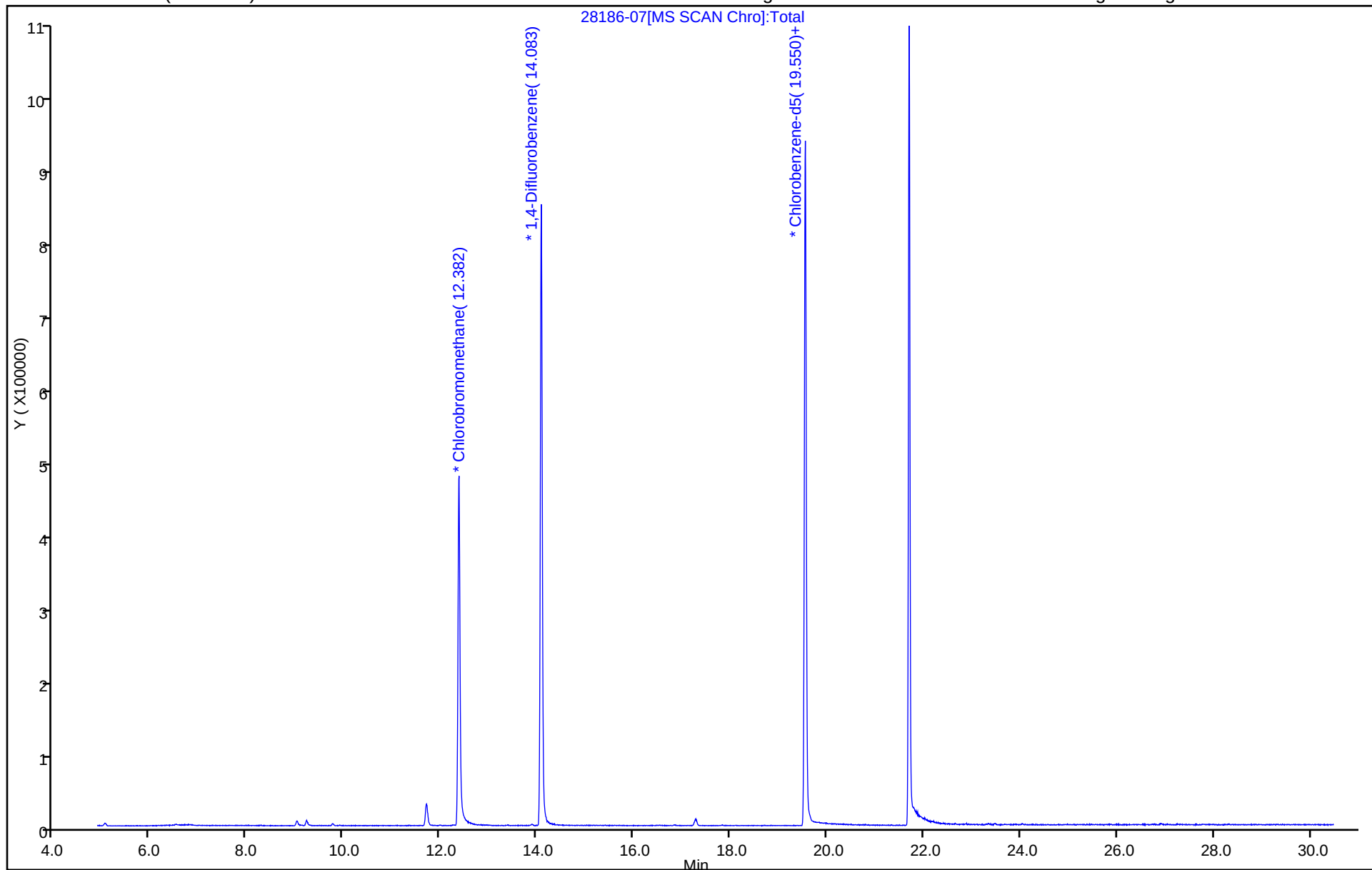
ALS Bottle#: 6

Method: TO15_MasterMethod_(v1)

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-41261-1
SDG No.: _____
Lab File ID: 28309-04.D Lab Sample ID: MB 200-124339/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHB.i Date Analyzed: 12/12/2017 13:33
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-124339/3	28309-03.D	12/12/2017 12:41
2534	200-41261-4	28309-25.D	12/13/2017 08:05

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41261-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-124339/4
 Matrix: Air Lab File ID: 28309-04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 12/12/2017 13:33
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 124339 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.40	U	0.40	0.40
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41261-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-124339/4
 Matrix: Air Lab File ID: 28309-04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 12/12/2017 13:33
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 124339 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.70	U	0.70	0.70
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41261-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-124339/4
 Matrix: Air Lab File ID: 28309-04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 12/12/2017 13:33
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 124339 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20171212-28309.b\28309-04.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 12-Dec-2017 13:33:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0028309-004
 Operator ID: vtp Instrument ID: CHB.i
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20171212-28309.b\TO15_LLNJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 13-Dec-2017 14:34:56 Calib Date: 07-Nov-2017 01:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20171106-27754.b\27754-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK028

First Level Reviewer: puangmaleek

Date: 13-Dec-2017 14:34:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		3.134					ND	
2 Dichlorodifluoromethane	85		3.193					ND	
3 Chlorodifluoromethane	51		3.225					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.412					ND	
5 Chloromethane	50		3.535					ND	
6 Butane	43		3.711					ND	
7 Vinyl chloride	62		3.748					ND	
8 Butadiene	54		3.812					ND	
10 Bromomethane	94		4.479					ND	
11 Chloroethane	64		4.704					ND	
12 2-Methylbutane	43		4.789					ND	
13 Vinyl bromide	106		5.114					ND	
14 Trichlorofluoromethane	101		5.216					ND	
15 Pentane	43		5.355					ND	
16 Ethanol	45		5.675					ND	
17 Ethyl ether	59		5.824					ND	
18 Acrolein	56		6.187					ND	
19 1,1,2-Trichloro-1,2,2-trif	101		6.246					ND	
20 1,1-Dichloroethene	96		6.315					ND	
21 Acetone	43		6.465					ND	
22 Isopropyl alcohol	45		6.678					ND	
23 Carbon disulfide	76		6.748					ND	
24 3-Chloro-1-propene	41		7.014					ND	
26 Acetonitrile	41		7.073					ND	
T 25 Methyl Acetate TIC	43		7.200					ND	
27 Methylene Chloride	49		7.271					ND	
28 2-Methyl-2-propanol	59		7.383					ND	
29 Methyl tert-butyl ether	73		7.623					ND	
30 trans-1,2-Dichloroethene	61		7.682					ND	
31 Acrylonitrile	53		7.751					ND	
32 Hexane	57		8.012					ND	
33 1,1-Dichloroethane	63		8.423					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43		8.429					ND	
36 2-Butanone (MEK)	72		9.315					ND	
37 cis-1,2-Dichloroethene	96		9.325					ND	
35 Ethyl acetate	88		9.325					ND	
* 39 Chlorobromomethane	128	9.694	9.694	0.000	97	305970	10.0	10.0	
38 Tetrahydrofuran	42		9.710					ND	
40 Chloroform	83		9.768					ND	
S 41 1,2-Dichloroethene, Total	61		10.000					ND	
42 1,1,1-Trichloroethane	97		10.030					ND	
43 Cyclohexane	84		10.046					ND	
44 Carbon tetrachloride	117		10.238					ND	
45 Isooctane	57		10.521					ND	
46 Benzene	78		10.558					ND	
47 1,2-Dichloroethane	62		10.660					ND	
48 n-Heptane	43		10.772					ND	
A 49 GRO	1	10.862	(4.779-16.946)		0	3982534		0	
* 50 1,4-Difluorobenzene	114	11.097	11.102	-0.005	95	1549631	10.0	10.0	
51 n-Butanol	56		11.284					ND	
53 Trichloroethene	95		11.471					ND	
T 52 Methyl cyclohexane TIC	55		11.500					ND	
54 1,2-Dichloropropane	63		11.839					ND	
55 Methyl methacrylate	69		11.876					ND	
56 1,4-Dioxane	88		11.967					ND	
57 Dibromomethane	174		12.031					ND	
58 Dichlorobromomethane	83		12.197					ND	
A 59 TVOC as Toluene	1	12.485	(3.124-21.845)		0	4192640		0	
60 cis-1,3-Dichloropropene	75		12.826					ND	
61 4-Methyl-2-pentanone (MIBK)	43		12.970					ND	
63 n-Octane	43		13.243					ND	
64 Toluene	92	13.264	13.264	0.005	18	1791		0.0235	7
66 trans-1,3-Dichloropropene	75		13.616					ND	
67 1,1,2-Trichloroethane	83		13.888					ND	
68 Tetrachloroethene	166		14.032					ND	
69 2-Hexanone	43		14.150					ND	
70 Chlorodibromomethane	129		14.443					ND	
71 Ethylene Dibromide	107		14.646					ND	
* 72 Chlorobenzene-d5	117	15.207	15.212	-0.005	86	1274439	10.0	10.0	
73 Chlorobenzene	112		15.249					ND	
74 Ethylbenzene	91		15.319					ND	
75 n-Nonane	57		15.340					ND	
76 m-Xylene & p-Xylene	106		15.463					ND	
78 o-Xylene	106		15.975					ND	
S 77 Xylenes, Total	106		16.000					ND	
79 Styrene	104		16.002					ND	
80 Bromoform	173		16.290					ND	
81 Isopropylbenzene	105		16.386					ND	
83 1,1,2,2-Tetrachloroethane	83		16.797					ND	
84 N-Propylbenzene	91		16.866					ND	
85 1,2,3-Trichloropropane	75		16.877					ND	
86 n-Decane	57		16.936					ND	
87 4-Ethyltoluene	105		16.994					ND	
88 2-Chlorotoluene	91		17.037					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 1,3,5-Trimethylbenzene	105		17.058					ND	
90 Alpha Methyl Styrene	118		17.331					ND	
91 tert-Butylbenzene	119		17.437					ND	
92 1,2,4-Trimethylbenzene	105		17.507					ND	
93 sec-Butylbenzene	105		17.694					ND	
94 4-Isopropyltoluene	119		17.843					ND	
95 1,3-Dichlorobenzene	146		17.923					ND	
96 1,4-Dichlorobenzene	146		18.035					ND	
97 Benzyl chloride	91		18.185					ND	
98 Undecane	57		18.318					ND	
99 n-Butylbenzene	91		18.350					ND	
100 1,2-Dichlorobenzene	146		18.521					ND	
T 101 1,2-Dibromo-3-Chloropropan	75		19.300					ND	
102 Dodecane	57		19.770					ND	
103 1,2,4-Trichlorobenzene	180		20.880					ND	
104 Hexachlorobutadiene	225		21.045					ND	
105 Naphthalene	128		21.360					ND	
106 1,2,3-Trichlorobenzene	180		21.835					ND	
T 119 Freon 115 TIC	1		0.000					ND	
T 120 1,1,1-Trifluoro-2,2-dichlo	1		0.000					ND	
T 121 1,3-Dichloropropane TIC	1		0.000					ND	
T 118 Difluoroethane TIC	1		0.000					ND	
T 107 Methyl acetylene TIC	1		0.000					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	
T 117 Chlorotrifluoroethene TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20171212-28309.b\28309-04.D

Injection Date: 12-Dec-2017 13:33:30

Instrument ID: CHB.i

Operator ID: vtp

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

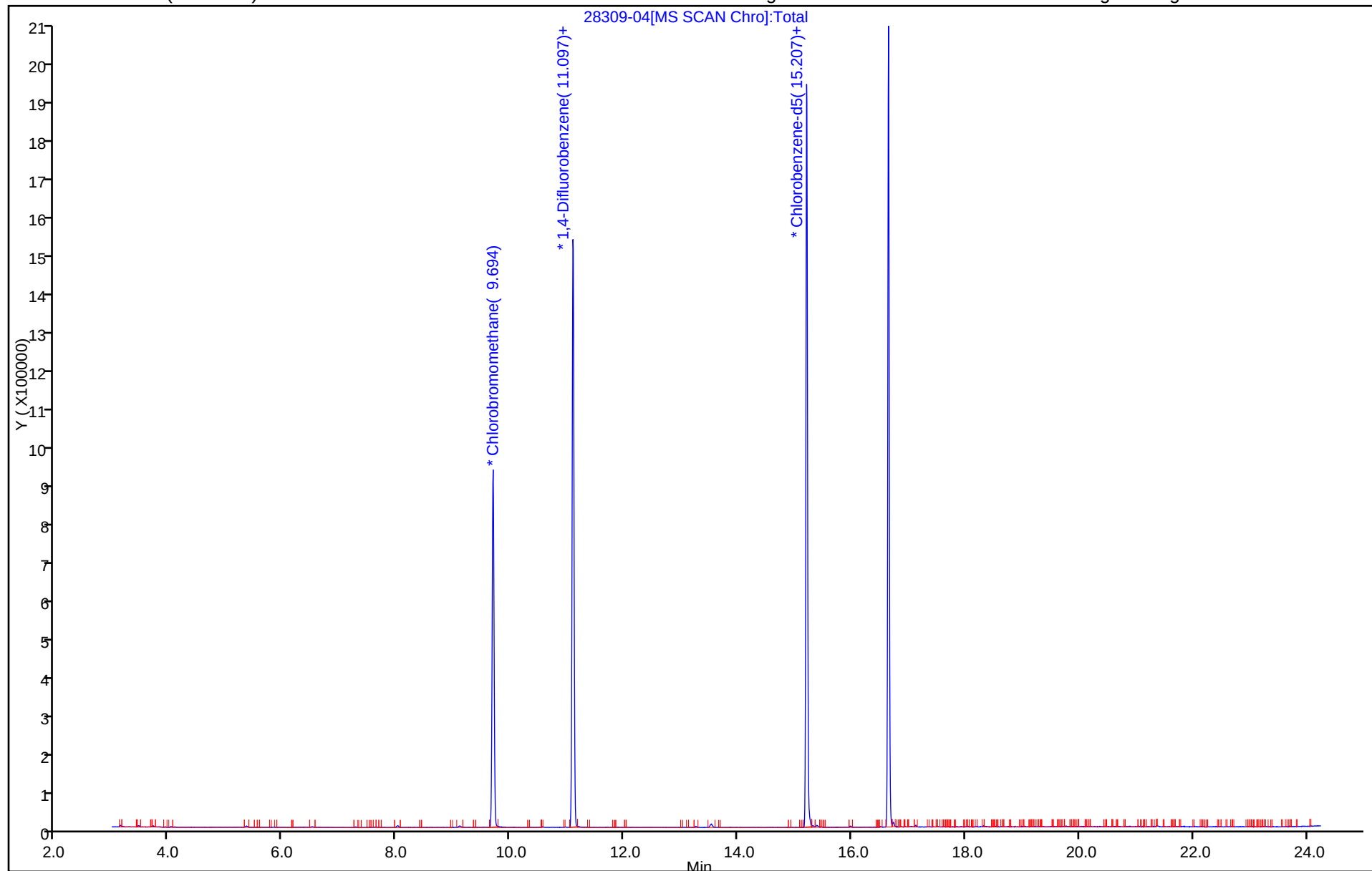
ALS Bottle#: 4

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
 SDG No.: _____
 Lab File ID: 27803-01.d BFB Injection Date: 11/08/2017
 Instrument ID: CHW.i BFB Injection Time: 14:54
 Analysis Batch No.: 123127

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.6
75	30.0 - 66.0% of mass 95	43.8
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	0.5 (0.6) 1
174	50.0 - 120.0% of mass 95	91.5
175	4.0 - 9.0 % of mass 174	6.4 (7.0) 1
176	93.0 - 101.0% of mass 174	89.0 (97.3) 1
177	5.0 - 9.0% of mass 176	5.9 (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 200-123127/4	27803-04.d	11/08/2017	17:28
	IC 200-123127/5	27803-05.d	11/08/2017	18:20
	IC 200-123127/8	27803-08.d	11/08/2017	20:59
	IC 200-123127/9	27803-09.d	11/08/2017	21:52
	ICIS 200-123127/10	27803-10.d	11/08/2017	22:44
	IC 200-123127/11	27803-11.d	11/08/2017	23:37
	IC 200-123127/12	27803-12.d	11/09/2017	00:30
	IC 200-123127/13	27803-13.d	11/09/2017	01:23
	ICV 200-123127/17	27803-17.d	11/09/2017	04:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
 SDG No.: _____
 Lab File ID: 28186-01.d BFB Injection Date: 12/05/2017
 Instrument ID: CHW.i BFB Injection Time: 11:02
 Analysis Batch No.: 124054

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.5
75	30.0 - 66.0% of mass 95	51.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (0.8) 1
174	50.0 - 120.0% of mass 95	81.6
175	4.0 - 9.0 % of mass 174	6.3 (7.7) 1
176	93.0 - 101.0% of mass 174	77.2 (94.6) 1
177	5.0 - 9.0% of mass 176	5.2 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-124054/5	28186-05.d	12/05/2017	15:03
	LCS 200-124054/6	28186-06.d	12/05/2017	15:56
	MB 200-124054/7	28186-07.d	12/05/2017	16:49
4717	200-41208-5	28186-12.d	12/05/2017	21:45

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-41261-1
 SDG No.: _____
 Lab File ID: 27754-01.D BFB Injection Date: 11/06/2017
 Instrument ID: CHB.i BFB Injection Time: 15:25
 Analysis Batch No.: 122990

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.6
75	30.0 - 66.0% of mass 95	44.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	88.8
175	4.0 - 9.0 % of mass 174	6.4 (7.2) 1
176	93.0 - 101.0% of mass 174	87.0 (98.0) 1
177	5.0 - 9.0% of mass 176	5.6 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-122990/4	27754-04.D	11/06/2017	17:59
	IC 200-122990/5	27754-05.D	11/06/2017	18:52
	IC 200-122990/7	27754-07.D	11/06/2017	20:36
	IC 200-122990/9	27754-09.D	11/06/2017	22:20
	ICIS 200-122990/10	27754-10.D	11/06/2017	23:12
	IC 200-122990/11	27754-11.D	11/07/2017	00:05
	IC 200-122990/12	27754-12.D	11/07/2017	00:57
	IC 200-122990/13	27754-13.D	11/07/2017	01:49
	ICV 200-122990/24	27754-24.D	11/07/2017	12:25

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-41261-1
 SDG No.: _____
 Lab File ID: 28309-01.D BFB Injection Date: 12/12/2017
 Instrument ID: CHB.i BFB Injection Time: 10:54
 Analysis Batch No.: 124339

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.0
75	30.0 - 66.0% of mass 95	44.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	84.4
175	4.0 - 9.0 % of mass 174	6.2 (7.3) 1
176	93.0 - 101.0% of mass 174	80.9 (95.8) 1
177	5.0 - 9.0% of mass 176	5.4 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-124339/2	28309-02.D	12/12/2017	11:49
	LCS 200-124339/3	28309-03.D	12/12/2017	12:41
	MB 200-124339/4	28309-04.D	12/12/2017	13:33
2534	200-41261-4	28309-25.D	12/13/2017	08:05

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

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
 SDG No.: _____
 Sample No.: ICIS 200-123127/10 Date Analyzed: 11/08/2017 22:44
 Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 27803-10.d Heated Purge: (Y/N) N
 Calibration ID: 38408

	BCM		DFBZ		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	202509	12.39	1094932	14.09	1007633	19.56	
UPPER LIMIT	283513	12.72	1532905	14.42	1410686	19.89	
LOWER LIMIT	121505	12.06	656959	13.76	604580	19.23	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-123127/17		209652	12.39	1121346	14.09	1031039	19.56

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
 SDG No.: _____
 Sample No.: CCVIS 200-124054/5 Date Analyzed: 12/05/2017 15:03
 Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 28186-05.d Heated Purge: (Y/N) N
 Calibration ID: 38408

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		162788	12.38	877861	14.09	805144	19.55
UPPER LIMIT		227903	12.71	1229005	14.42	1127202	19.88
LOWER LIMIT		97673	12.05	526717	13.76	483086	19.22
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-124054/6		175573	12.39	951486	14.09	874589	19.55
MB 200-124054/7		177294	12.38	980654	14.08	810414	19.55
200-41208-5	4717	141271	12.38	769538	14.08	660456	19.55

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-41261-1
 SDG No.: _____
 Sample No.: ICIS 200-122990/10 Date Analyzed: 11/06/2017 23:12
 Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 27754-10.D Heated Purge: (Y/N) N
 Calibration ID: 38392

	BCM		DFBZ		CBNZd5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	270834	9.70	1363371	11.11	1246413	15.21
UPPER LIMIT	379168	10.03	1908719	11.44	1744978	15.54
LOWER LIMIT	162500	9.37	818023	10.78	747848	14.88
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-122990/24		311386	9.70	1538738	11.11	1393921
						15.22

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-41261-1
 SDG No.: _____
 Sample No.: CCVIS 200-124339/2 Date Analyzed: 12/12/2017 11:49
 Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 28309-02.D Heated Purge: (Y/N) N
 Calibration ID: 38392

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		296747	9.69	1484768	11.10	1325954	15.21
UPPER LIMIT		415446	10.02	2078675	11.43	1856336	15.54
LOWER LIMIT		178048	9.36	890861	10.77	795572	14.88
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-124339/3		303407	9.70	1513288	11.10	1330349	15.21
MB 200-124339/4		305970	9.69	1549631	11.10	1274439	15.21
200-41261-4		2534	348411	9.69	1778821	11.10	1466097

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
 SDG No.: _____
 Client Sample ID: 4717 Lab Sample ID: 200-41208-5
 Matrix: Air Lab File ID: 28186-12.d
 Analysis Method: TO-15 Date Collected: 11/30/2017 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 12/05/2017 21:45
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 124054 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-41208-1</u>
SDG No.: _____	
Client Sample ID: <u>4717</u>	Lab Sample ID: <u>200-41208-5</u>
Matrix: <u>Air</u>	Lab File ID: <u>28186-12.d</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>11/30/2017 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>12/05/2017 21:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>124054</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
SDG No.: _____
Client Sample ID: 4717 Lab Sample ID: 200-41208-5
Matrix: Air Lab File ID: 28186-12.d
Analysis Method: TO-15 Date Collected: 11/30/2017 00:00
Sample wt/vol: 1000 (mL) Date Analyzed: 12/05/2017 21:45
Soil Aliquot Vol: _____ Dilution Factor: 0.2
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 124054 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20171205-28186.b\28186-12.d
 Lims ID: 200-41208-A-5
 Client ID: 4717
 Sample Type: Client
 Inject. Date: 05-Dec-2017 21:45:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0028186-012
 Operator ID: ert Instrument ID: CHW.i
 Method: \\ChromNA\Burlington\ChromData\CHW.i\20171205-28186.b\TO15_MasterMethod_(v1).m
 Limit Group: AI_TO15_ICAL
 Last Update: 07-Dec-2017 11:56:02 Calib Date: 09-Nov-2017 01:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHW.i\20171108-27803.b\27803-13.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: tobere

Date: 07-Dec-2017 11:42:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		5.063				ND	
2 Dichlorodifluoromethane	85		5.176				ND	
3 Chlorodifluoromethane	51		5.256				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		5.577				ND	
5 Chloromethane	50		5.769				ND	
6 Butane	43		6.042				ND	
7 Vinyl chloride	62		6.096				ND	
8 Butadiene	54		6.197				ND	
10 Bromomethane	94		6.995				ND	
11 Chloroethane	64		7.241				ND	
13 Vinyl bromide	106		7.647				ND	
14 Trichlorofluoromethane	101		7.744				ND	
17 Ethanol	45		8.252				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		8.749				ND	
21 1,1-Dichloroethene	96		8.808				ND	
22 Acetone	43		9.011				ND	
23 Carbon disulfide	76		9.204				ND	
24 Isopropyl alcohol	45	9.225	9.215	0.010	99	10505	0.2951	
25 3-Chloro-1-propene	41		9.509				ND	
27 Methylene Chloride	49	9.760	9.771	-0.011	95	1441	0.0620	
28 2-Methyl-2-propanol	59		9.894				ND	
29 Methyl tert-butyl ether	73		10.103				ND	
31 trans-1,2-Dichloroethene	61		10.162				ND	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
33 Hexane	57		10.488				ND	
34 1,1-Dichloroethane	63		10.953				ND	
35 Vinyl acetate	43		10.985				ND	
37 cis-1,2-Dichloroethene	96		11.959				ND	
38 2-Butanone (MEK)	72		11.980				ND	
39 Ethyl acetate	88		11.991				ND	
41 Tetrahydrofuran	42		12.382				ND	
* 40 Chlorobromomethane	128	12.382	12.382	0.000	98	141271	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Chloroform	83		12.478				ND	
43 Cyclohexane	84		12.735				ND	
44 1,1,1-Trichloroethane	97		12.751				ND	
45 Carbon tetrachloride	117		12.976				ND	
46 Isooctane	57		13.329				ND	
47 Benzene	78		13.393				ND	
48 1,2-Dichloroethane	62		13.537				ND	
49 n-Heptane	43		13.644				ND	
* 50 1,4-Difluorobenzene	114	14.083	14.088	-0.005	96	769538	10.0	
53 Trichloroethene	95		14.511				ND	
54 1,2-Dichloropropane	63		15.003				ND	
55 Methyl methacrylate	69		15.089				ND	
56 1,4-Dioxane	88		15.169				ND	
57 Dibromomethane	174		15.233				ND	
58 Dichlorobromomethane	83		15.468				ND	
60 cis-1,3-Dichloropropene	75		16.292				ND	
61 4-Methyl-2-pentanone (MIBK)	43		16.522				ND	
65 Toluene	92		16.833				ND	
66 trans-1,3-Dichloropropene	75		17.357				ND	
67 1,1,2-Trichloroethane	83		17.710				ND	
68 Tetrachloroethene	166		17.828				ND	
69 2-Hexanone	43		18.101				ND	
71 Chlorodibromomethane	129		18.438				ND	
72 Ethylene Dibromide	107		18.710				ND	
* 74 Chlorobenzene-d5	117	19.550	19.550	0.000	89	660456	10.0	
75 Chlorobenzene	112		19.609				ND	
76 Ethylbenzene	91		19.738				ND	
78 m-Xylene & p-Xylene	106		19.973				ND	
S 73 Xylenes, Total	106		20.100				ND	
79 o-Xylene	106		20.749				ND	
80 Styrene	104		20.791				ND	
81 Bromoform	173		21.182				ND	
82 Isopropylbenzene	105		21.353				ND	
84 1,1,2,2-Tetrachloroethane	83		21.952				ND	
85 N-Propylbenzene	91		22.022				ND	
88 4-Ethyltoluene	105		22.198				ND	
89 2-Chlorotoluene	91		22.220				ND	
90 1,3,5-Trimethylbenzene	105		22.300				ND	
92 tert-Butylbenzene	119		22.776				ND	
93 1,2,4-Trimethylbenzene	105		22.867				ND	
94 sec-Butylbenzene	105		23.092				ND	
95 4-Isopropyltoluene	119		23.290				ND	
96 1,3-Dichlorobenzene	146		23.338				ND	
97 1,4-Dichlorobenzene	146		23.477				ND	
98 Benzyl chloride	91		23.680				ND	
100 n-Butylbenzene	91		23.889				ND	
101 1,2-Dichlorobenzene	146		24.039				ND	
103 1,2,4-Trichlorobenzene	180		26.714				ND	
104 Hexachlorobutadiene	225		26.906				ND	
105 Naphthalene	128		27.249				ND	

Reagents:

ATTO15WISs_00004

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHW.i\20171205-28186.b\28186-12.d

Injection Date: 05-Dec-2017 21:45:30

Instrument ID: CHW.i

Operator ID: ert

Lims ID: 200-41208-A-5

Lab Sample ID: 200-41208-5

Worklist Smp#: 12

Client ID: 4717

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

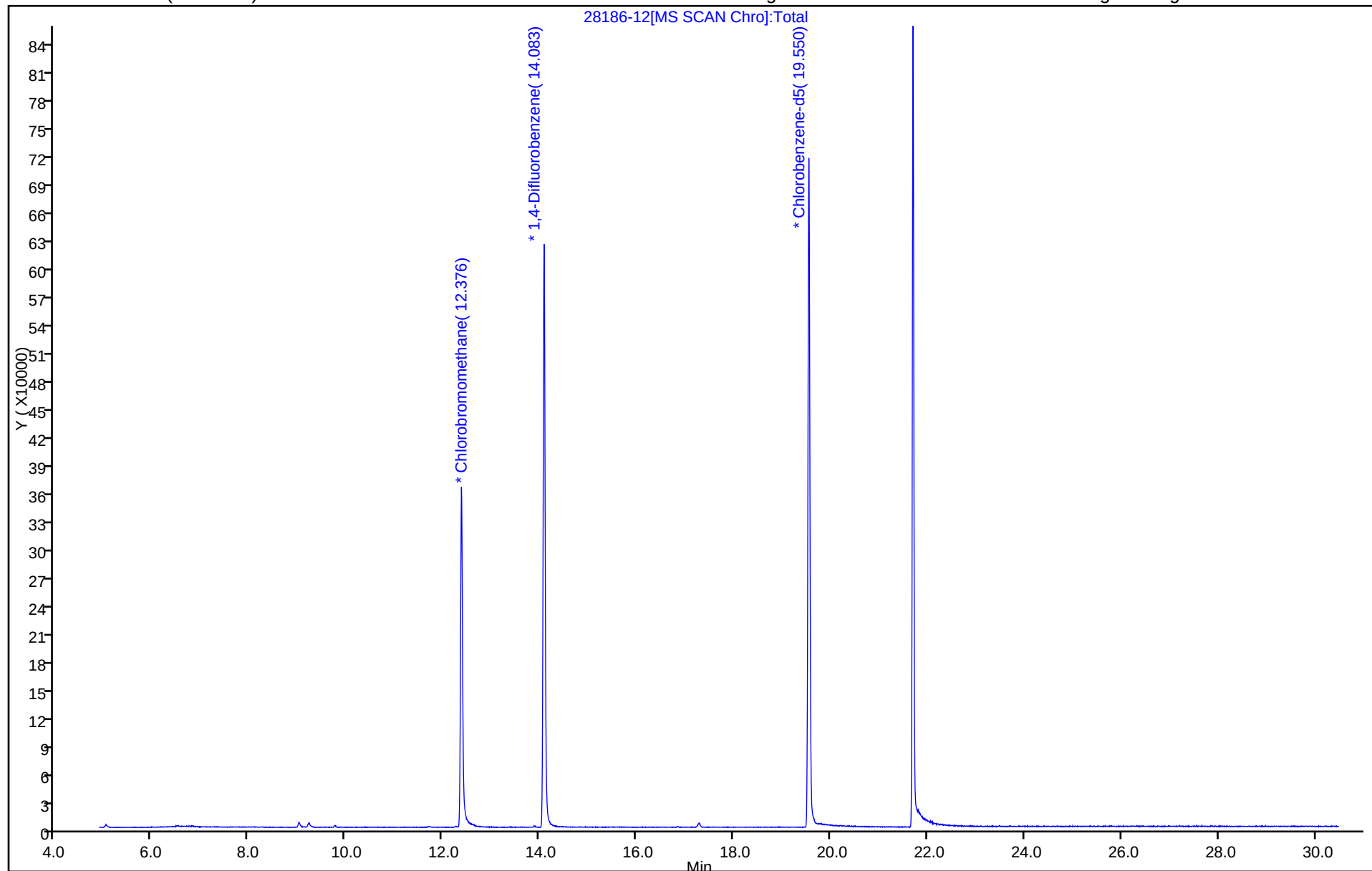
ALS Bottle#: 11

Method: TO15_MasterMethod_(v1)

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-41261-1</u>
SDG No.: _____	
Client Sample ID: <u>2534</u>	Lab Sample ID: <u>200-41261-4</u>
Matrix: <u>Air</u>	Lab File ID: <u>28309-25.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/04/2017 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>12/13/2017 08:05</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>124339</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-41261-1</u>
SDG No.: _____	
Client Sample ID: <u>2534</u>	Lab Sample ID: <u>200-41261-4</u>
Matrix: <u>Air</u>	Lab File ID: <u>28309-25.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/04/2017 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>12/13/2017 08:05</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>124339</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-41261-1
SDG No.: _____
Client Sample ID: 2534 Lab Sample ID: 200-41261-4
Matrix: Air Lab File ID: 28309-25.D
Analysis Method: TO-15 Date Collected: 12/04/2017 00:00
Sample wt/vol: 1000 (mL) Date Analyzed: 12/13/2017 08:05
Soil Aliquot Vol: _____ Dilution Factor: 0.2
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 124339 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20171212-28309.b\28309-25.D
 Lims ID: 200-41261-A-4
 Client ID: 2534
 Sample Type: Client
 Inject. Date: 13-Dec-2017 08:05:30 ALS Bottle#: 25 Worklist Smp#: 25
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0028309-025
 Misc. Info.: 41261-04
 Operator ID: vtp Instrument ID: CHB.i
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20171212-28309.b\TO15_LLNJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 13-Dec-2017 08:50:28 Calib Date: 07-Nov-2017 01:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20171106-27754.b\27754-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: phamvu

Date: 13-Dec-2017 11:45:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.134				ND	
2 Dichlorodifluoromethane	85		3.193				ND	
3 Chlorodifluoromethane	51		3.225				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.412				ND	
5 Chloromethane	50		3.535				ND	
6 Butane	43		3.711				ND	
7 Vinyl chloride	62		3.748				ND	
8 Butadiene	54		3.812				ND	
10 Bromomethane	94		4.479				ND	
11 Chloroethane	64		4.704				ND	
13 Vinyl bromide	106		5.114				ND	
14 Trichlorofluoromethane	101		5.216				ND	
16 Ethanol	45		5.675				ND	
19 1,1,2-Trichloro-1,2,2-trif	101	6.257	6.246	0.011	89	3159	0.0457	
20 1,1-Dichloroethene	96		6.315				ND	
21 Acetone	43		6.465				ND	
22 Isopropyl alcohol	45		6.678				ND	
23 Carbon disulfide	76		6.748				ND	
24 3-Chloro-1-propene	41		7.014				ND	
27 Methylene Chloride	49		7.271				ND	
28 2-Methyl-2-propanol	59		7.383				ND	
29 Methyl tert-butyl ether	73		7.623				ND	
30 trans-1,2-Dichloroethene	61		7.682				ND	
32 Hexane	57		8.012				ND	
33 1,1-Dichloroethane	63		8.423				ND	
34 Vinyl acetate	43		8.429				ND	
36 2-Butanone (MEK)	72		9.315				ND	
37 cis-1,2-Dichloroethene	96		9.325				ND	
35 Ethyl acetate	88		9.325				ND	
* 39 Chlorobromomethane	128	9.694	9.694	0.000	93	348411	10.0	
38 Tetrahydrofuran	42		9.710				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
40 Chloroform	83		9.768				ND	
S 41 1,2-Dichloroethene, Total	61		10.000				ND	
42 1,1,1-Trichloroethane	97		10.030				ND	
43 Cyclohexane	84		10.046				ND	
44 Carbon tetrachloride	117		10.238				ND	
45 Isooctane	57		10.521				ND	
46 Benzene	78		10.558				ND	
47 1,2-Dichloroethane	62		10.660				ND	
48 n-Heptane	43		10.772				ND	
* 50 1,4-Difluorobenzene	114	11.097	11.102	-0.005	94	1778821	10.0	
53 Trichloroethene	95		11.471				ND	
54 1,2-Dichloropropane	63		11.839				ND	
55 Methyl methacrylate	69		11.876				ND	
56 1,4-Dioxane	88		11.967				ND	
57 Dibromomethane	174		12.031				ND	
58 Dichlorobromomethane	83		12.197				ND	
60 cis-1,3-Dichloropropene	75		12.826				ND	
61 4-Methyl-2-pentanone (MIBK)	43		12.970				ND	
64 Toluene	92		13.259				ND	
66 trans-1,3-Dichloropropene	75		13.616				ND	
67 1,1,2-Trichloroethane	83		13.888				ND	
68 Tetrachloroethene	166		14.032				ND	
69 2-Hexanone	43		14.150				ND	
70 Chlorodibromomethane	129		14.443				ND	
71 Ethylene Dibromide	107		14.646				ND	
* 72 Chlorobenzene-d5	117	15.207	15.212	-0.005	85	1466097	10.0	
73 Chlorobenzene	112		15.249				ND	
74 Ethylbenzene	91		15.319				ND	
76 m-Xylene & p-Xylene	106		15.463				ND	
78 o-Xylene	106		15.975				ND	
S 77 Xylenes, Total	106		16.000				ND	
79 Styrene	104		16.002				ND	
80 Bromoform	173		16.290				ND	
81 Isopropylbenzene	105		16.386				ND	
83 1,1,2,2-Tetrachloroethane	83		16.797				ND	
84 N-Propylbenzene	91		16.866				ND	
87 4-Ethyltoluene	105		16.994				ND	
88 2-Chlorotoluene	91		17.037				ND	
89 1,3,5-Trimethylbenzene	105		17.058				ND	
91 tert-Butylbenzene	119		17.437				ND	
92 1,2,4-Trimethylbenzene	105		17.507				ND	
93 sec-Butylbenzene	105		17.694				ND	
94 4-Isopropyltoluene	119		17.843				ND	
95 1,3-Dichlorobenzene	146		17.923				ND	
96 1,4-Dichlorobenzene	146		18.035				ND	
97 Benzyl chloride	91		18.185				ND	
99 n-Butylbenzene	91		18.350				ND	
100 1,2-Dichlorobenzene	146		18.521				ND	
103 1,2,4-Trichlorobenzene	180		20.880				ND	
104 Hexachlorobutadiene	225		21.045				ND	
105 Naphthalene	128		21.360				ND	

Reagents:

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20171212-28309.b\28309-25.D

Injection Date: 13-Dec-2017 08:05:30

Instrument ID: CHB.i

Operator ID: vtp

Lims ID: 200-41261-A-4

Lab Sample ID: 200-41261-4

Worklist Smp#: 25

Client ID: 2534

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

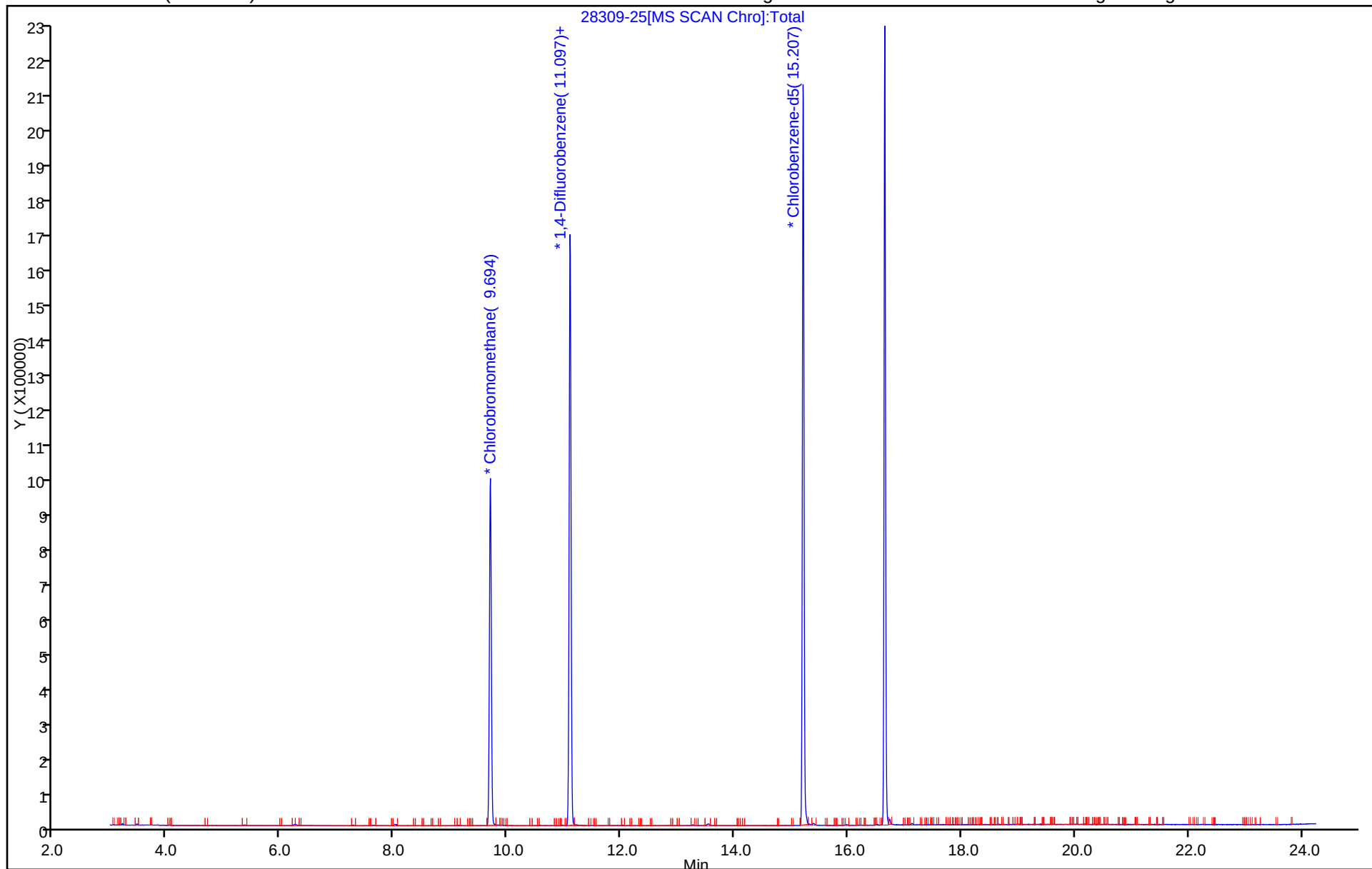
ALS Bottle#: 25

Method: TO15_LL NJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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

Lab Name: TestAmerica Burlington Job No.: 200-41208-1 Analy Batch No.: 123127

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/08/2017 17:28 Calibration End Date: 11/09/2017 01:23 Calibration ID: 38408

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-123127/4	27803-04.d
Level 2	IC 200-123127/5	27803-05.d
Level 3	IC 200-123127/8	27803-08.d
Level 4	IC 200-123127/9	27803-09.d
Level 5	ICIS 200-123127/10	27803-10.d
Level 6	IC 200-123127/11	27803-11.d
Level 7	IC 200-123127/12	27803-12.d
Level 8	IC 200-123127/13	27803-13.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								
Propylene	++++ 1.0637	++++ 1.0159	++++ 0.9114	1.2689	1.1633	Ave		1.0846				12.7		30.0			
Dichlorodifluoromethane	++++ 3.7172	++++ 3.6158	4.4654 3.3265	4.1533	3.9718	Ave		3.8750				10.5		30.0			
Freon 22	++++ 2.0727	++++ 1.9774	2.5686 1.7925	2.3627	2.2356	Ave		2.1683				12.9		30.0			
1,2-Dichlorotetrafluoroethane	++++ 3.7635	5.1168 3.6795	4.3947 3.3844	4.1941	3.9950	Ave		4.0754				13.9		30.0			
Chloromethane	++++ 1.2041	++++ 1.1430	1.5738 1.0238	1.4097	1.3193	Ave		1.2789				15.4		30.0			
n-Butane	++++ 2.3134	++++ 2.2154	2.9726 1.9758	2.7214	2.5317	Ave		2.4550				14.7		30.0			
Vinyl chloride	1.9468 1.5389	2.0905 1.4964	1.8032 1.3538	1.7325	1.6512	Ave		1.7017				14.3		30.0			
1,3-Butadiene	1.7492 1.1915	1.5835 1.1622	1.4077 1.0472	1.3738	1.2854	Ave		1.3501				17.1		30.0			
Bromomethane	++++ 1.2893	1.7637 1.2975	1.4847 1.2143	1.4188	1.3563	Ave		1.4035				13.0		30.0			
Chloroethane	++++ 0.8006	++++ 0.8009	0.9664 0.7252	0.9074	0.8488	Ave		0.8416				10.2		30.0			
Isopentane	++++ 1.7151	2.6054 1.6510	2.1177 1.4690	1.9759	1.8428	Ave		1.9110				19.5		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.3695	1.7975 1.3762	1.5347 1.3033	1.4881	1.4100	Ave		1.4685				11.2		30.0			
Trichlorofluoromethane	++++ 3.5076	4.5384 3.5158	4.1562 3.2544	3.8341	3.6588	Ave		3.7808				11.6		30.0			
n-Pentane	++++ 2.6759	++++ 2.5944	3.2866 2.2887	3.0769	2.9041	Ave		2.8044				12.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-41208-1 Analy Batch No.: 123127
SDG No.: _____
Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/08/2017 17:28 Calibration End Date: 11/09/2017 01:23 Calibration ID: 38408

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								
Ethanol	++++ 0.4534	++++ 0.6890	0.5946 0.5582	0.7730	0.5751	Ave		0.6072				18.3		30.0			
Ethyl ether	++++ 1.0097	1.3453 1.1536	1.2502 0.9383	1.1572	1.0807	Ave		1.1336				12.2		30.0			
Acrolein	++++ 0.4296	++++ 0.5090	++++ 0.4231	0.4822	0.4730	Ave		0.4634				7.8		30.0			
Freon TF	++++ 2.6871	3.5622 2.8833	3.0872 2.5462	2.9211	2.7968	Ave		2.9263				11.3		30.0			
1,1-Dichloroethene	1.9733 1.3132	1.7102 1.3509	1.5159 1.2592	1.4415	1.3746	Ave		1.4924				16.1		30.0			
Acetone	++++ 1.9478	++++ 2.3220	++++ 1.8078	2.5838	2.4073	Ave		2.2137				14.7		30.0			
Carbon disulfide	++++ 3.6066	++++ 3.6386	4.0004 3.3523	3.9768	3.7939	Ave		3.7281				6.6		30.0			
Isopropyl alcohol	++++ 1.8811	++++ 3.1037	++++ 2.4009	3.1398	2.0721	Ave		2.5195				23.0		30.0			
3-Chloropropene	++++ 1.7158	2.2604 1.8086	2.0756 1.4168	1.9738	2.0327	Ave		1.8976				14.6		30.0			
Acetonitrile	++++ 0.8993	++++ 1.0543	++++ 0.8640	0.9604	0.9996	Ave		0.9555				8.0		30.0			
Methylene Chloride	++++ 1.5323	++++ 1.6028	2.0092 1.3443	1.7449	1.6414	Ave		1.6458				13.5		30.0			
tert-Butyl alcohol	++++ 2.3582	++++ 4.0324	++++ 3.1471	3.7310	2.2308	Ave		3.0999				25.9		30.0			
Methyl tert-butyl ether	++++ 3.9379	5.5143 4.9045	4.7851 3.9185	4.6426	4.3423	Ave		4.5779				12.4		30.0			
trans-1,2-Dichloroethene	++++ 1.9917	2.4019 2.0769	2.2037 1.8367	2.1609	2.0631	Ave		2.1050				8.4		30.0			
Acrylonitrile	++++ 0.9342	++++ 1.0678	0.8712 0.8933	1.0214	0.9296	Ave		0.9529				8.0		30.0			
n-Hexane	++++ 2.3772	3.2571 2.6063	2.7842 2.1640	2.6719	2.5137	Ave		2.6249				13.1		30.0			
1,1-Dichloroethane	3.5064 2.6803	3.6487 2.9291	3.1334 2.4155	2.9889	2.8143	Ave		3.0146				13.6		30.0			
Vinyl acetate	++++ 3.7143	++++ 4.0611	++++ 3.2699	4.1250	3.9674	Ave		3.8275				9.1		30.0			
cis-1,2-Dichloroethene	1.9773 1.4651	1.8087 1.6542	1.6476 1.4104	1.5880	1.5145	Ave		1.6332				11.4		30.0			
Methyl Ethyl Ketone	++++ 0.6887	++++ 0.9093	0.7822 0.7355	0.8369	0.7782	Ave		0.7884				9.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-41208-1 Analy Batch No.: 123127
SDG No.: _____
Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/08/2017 17:28 Calibration End Date: 11/09/2017 01:23 Calibration ID: 38408

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								
Ethyl acetate	++++ 0.1136	++++ 0.1424	++++ 0.1173	0.1321	0.1220	Ave		0.1255				9.4		30.0			
Tetrahydrofuran	++++ 0.3209	++++ 0.4001	++++ 0.3179	0.3946	0.3554	Ave		0.3578				10.9		30.0			
Chloroform	++++ 2.8881	3.7304 3.1808	3.2886 2.6875	3.1804	3.0082	Ave		3.1377				10.6		30.0			
Cyclohexane	++++ 0.3943	0.4952 0.4304	0.4447 0.3879	0.4100	0.4006	Ave		0.4233				8.9		30.0			
1,1,1-Trichloroethane	++++ 0.5503	0.7030 0.6102	0.6064 0.5370	0.5775	0.5596	Ave		0.5920				9.5		30.0			
Carbon tetrachloride	0.7127 0.5543	0.6813 0.6104	0.5959 0.5461	0.5765	0.5651	Ave		0.6053				10.1		30.0			
2,2,4-Trimethylpentane	++++ 1.5790	1.9837 1.7368	1.7534 1.4530	1.6747	1.6214	Ave		1.6860				9.9		30.0			
Benzene	++++ 0.9008	1.1785 0.9973	1.0351 0.8711	0.9439	0.9159	Ave		0.9775				10.7		30.0			
1,2-Dichloroethane	++++ 0.3403	0.4135 0.3717	0.3764 0.3167	0.3643	0.3491	Ave		0.3617				8.5		30.0			
n-Heptane	++++ 0.5925	0.7752 0.6369	0.6764 0.5213	0.6452	0.6217	Ave		0.6385				12.2		30.0			
n-Butanol	++++ 0.1396	++++ 0.2370	++++ 0.1961	0.2003	0.1287	Ave		0.1804				25.1		30.0			
Trichloroethene	0.5389 0.3660	0.4617 0.4105	0.3979 0.3646	0.3749	0.3738	Ave		0.4110				14.8		30.0			
1,2-Dichloropropane	++++ 0.3490	0.4557 0.3805	0.3980 0.3308	0.3723	0.3557	Ave		0.3774				10.8		30.0			
Methyl methacrylate	++++ 0.3127	++++ 0.3896	++++ 0.3275	0.3426	0.3324	Ave		0.3383				8.0		30.0			
1,4-Dioxane	++++ 0.1366	++++ 0.2334	++++ 0.1944	0.2035	0.1292	Ave		0.1794				25.0		30.0			
Dibromomethane	++++ 0.3476	0.3831 0.3858	0.3307 0.3535	0.3382	0.3315	Ave		0.3529				6.5		30.0			
Bromodichloromethane	++++ 0.6096	0.7506 0.6807	0.6560 0.5950	0.6439	0.6321	Ave		0.6526				7.9		30.0			
cis-1,3-Dichloropropene	++++ 0.4798	0.5354 0.5378	0.4687 0.4748	0.4846	0.4839	Ave		0.4950				5.8		30.0			
methyl isobutyl ketone	++++ 0.6212	++++ 0.8881	0.7870 0.6760	0.8325	0.6561	Ave		0.7435				14.5		30.0			
n-Octane	++++ 0.8428	1.0956 0.8888	0.9837 0.7145	0.9327	0.8897	Ave		0.9068				13.0		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-41208-1 Analy Batch No.: 123127

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/08/2017 17:28 Calibration End Date: 11/09/2017 01:23 Calibration ID: 38408

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								
Toluene	++++ 0.7112	0.9307 0.8078	0.7809 0.6922	0.7324	0.7197	Ave		0.7679				10.7		30.0			
trans-1,3-Dichloropropene	++++ 0.4521	0.4672 0.5113	0.4040 0.4574	0.4563	0.4631	Ave		0.4588				6.8		30.0			
1,1,2-Trichloroethane	++++ 0.3413	0.4508 0.3915	0.3836 0.3342	0.3647	0.3528	Ave		0.3741				10.6		30.0			
Tetrachloroethene	0.8065 0.5831	0.7597 0.6664	0.6562 0.5846	0.6042	0.5899	Ave		0.6563				13.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.6054	++++ 0.9380	0.6975 0.6897	0.8209	0.5712	Ave		0.7205				19.1		30.0			
Dibromochloromethane	++++ 0.6315	0.7889 0.7623	0.6854 0.6502	0.6925	0.6892	Ave		0.7000				8.1		30.0			
1,2-Dibromoethane	++++ 0.5849	0.6493 0.6758	0.5737 0.5932	0.5981	0.5924	Ave		0.6096				6.2		30.0			
Chlorobenzene	++++ 0.9183	1.1748 1.0569	0.9701 0.9012	0.9492	0.9291	Ave		0.9856				9.9		30.0			
Ethylbenzene	++++ 1.6079	2.0192 1.8378	1.7293 1.4953	1.6791	1.6352	Ave		1.7148				10.0		30.0			
n-Nonane	++++ 0.8444	1.1205 0.9552	0.9623 0.7707	0.9108	0.8753	Ave		0.9199				12.0		30.0			
m,p-Xylene	++++ 0.6273	0.7744 0.7309	0.6629 0.6051	0.6501	0.6370	Ave		0.6697				9.1		30.0			
Xylene, o-	++++ 0.6158	0.7958 0.7162	0.6723 0.6029	0.6430	0.6225	Ave		0.6669				10.3		30.0			
Styrene	++++ 0.9588	0.9931 1.1264	0.8765 0.9452	0.9663	0.9605	Ave		0.9753				7.8		30.0			
Bromoform	++++ 0.5294	0.6895 0.7321	0.5986 0.5916	0.6361	0.6769	Ave		0.6363				10.8		30.0			
Cumene	++++ 1.8319	2.3198 2.1099	1.9573 1.6323	1.9319	1.8825	Ave		1.9522				11.1		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.9078	1.1502 1.1091	0.9962 0.8849	0.9868	0.9467	Ave		0.9974				10.0		30.0			
n-Propylbenzene	++++ 2.2417	2.6244 2.5804	2.3447 1.8885	2.3989	2.3294	Ave		2.3440				10.4		30.0			
1,2,3-Trichloropropane	++++ 0.6984	++++ 0.8408	0.7972 0.6742	0.7591	0.7257	Ave		0.7492				8.3		30.0			
n-Decane	++++ 1.0789	++++ 1.2709	1.1556 0.9786	1.1937	1.1493	Ave		1.1378				8.8		30.0			
4-Ethyltoluene	++++ 1.8315	2.0437 2.1394	1.8391 1.6120	1.9254	1.8919	Ave		1.8976				8.9		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-41208-1 Analy Batch No.: 123127
SDG No.: _____
Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/08/2017 17:28 Calibration End Date: 11/09/2017 01:23 Calibration ID: 38408

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-Chlorotoluene	++++ 1.5419	1.8399 1.7860	1.5403 1.4032	1.6063	1.5745	Ave		1.6131				9.4		30.0			
1,3,5-Trimethylbenzene	++++ 1.5241	1.8124 1.8164	1.6704 1.3892	1.6297	1.5815	Ave		1.6320				9.4		30.0			
Alpha Methyl Styrene	++++ 0.7543	0.6244 0.9165	0.6238 0.7507	0.7719	0.7680	Ave		0.7442				13.4		30.0			
tert-Butylbenzene	++++ 1.4582	1.8563 1.7479	1.5815 1.3490	1.5714	1.5253	Ave		1.5842				10.8		30.0			
1,2,4-Trimethylbenzene	++++ 1.5272	1.6996 1.8312	1.5278 1.3830	1.6449	1.5915	Ave		1.6007				8.9		30.0			
sec-Butylbenzene	++++ 2.2469	2.7570 2.6193	2.3570 1.8668	2.4589	2.3784	Ave		2.3835				12.0		30.0			
4-Isopropyltoluene	++++ 1.8441	2.0565 2.2382	1.8584 1.6288	2.0186	1.9653	Ave		1.9443				9.9		30.0			
1,3-Dichlorobenzene	++++ 1.0071	0.8291 1.2067	0.7924 0.9811	1.0110	1.0110	Ave		0.9769				14.0		30.0			
1,4-Dichlorobenzene	++++ 0.9811	0.7012 1.1775	0.7240 0.9674	0.9428	0.9616	Ave		0.9222				17.8		30.0			
Benzyl chloride	++++ 1.1394	0.7730 1.4252	0.7411 1.1416	1.1638	1.1855	Ave		1.0814				22.5		30.0			
n-Butylbenzene	++++ 1.6937	1.4187 2.0518	1.4153 1.4807	1.8255	1.7916	Ave		1.6682				14.5		30.0			
n-Undecane	++++ 0.8966	++++ 1.1457	++++ 0.8363	1.0069	0.9657	Ave		0.9702				12.1		30.0			
1,2-Dichlorobenzene	++++ 0.9317	0.8544 1.1416	0.8468 0.9198	0.9612	0.9428	Ave		0.9426				10.4		30.0			
n-Dodecane	++++ 0.6700	++++ 0.9131	++++ 0.7037	0.7844	0.5838	Ave		0.7310				17.1		30.0			
1,2,4-Trichlorobenzene	++++ 0.4244	++++ 0.6024	0.2658 0.5081	0.3750	0.3838	Ave		0.4266				27.3		30.0			
Hexachlorobutadiene	++++ 0.5276	0.7072 0.7119	0.5743 0.5833	0.5773	0.5392	Ave		0.6030				12.5		30.0			
Naphthalene	++++ 0.8643	++++ 1.2720	0.5674 1.0456	0.7089	0.7715	Ave		0.8716				29.0		30.0			
1,2,3-Trichlorobenzene	++++ 0.3472	++++ 0.5040	0.2622 0.4070	0.3374	0.2867	Ave		0.3574				24.6		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-41208-1 Analy Batch No.: 123127

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/08/2017 17:28 Calibration End Date: 11/09/2017 01:23 Calibration ID: 38408

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-123127/4	27803-04.d
Level 2	IC 200-123127/5	27803-05.d
Level 3	IC 200-123127/8	27803-08.d
Level 4	IC 200-123127/9	27803-09.d
Level 5	ICIS 200-123127/10	27803-10.d
Level 6	IC 200-123127/11	27803-11.d
Level 7	IC 200-123127/12	27803-12.d
Level 8	IC 200-123127/13	27803-13.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Propylene	BCM	Ave	++++ 357092	++++ 490115	++++ 991803	118856	235525	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 1247878	++++ 1744403	39496 3619859	389026	804174	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 695821	++++ 953973	22719 1950591	221306	452636	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1263398	21045 1775132	38870 3682839	392847	808862	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 404208	++++ 551431	13920 1114098	132044	267118	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 776602	++++ 1068789	26292 2150043	254908	512587	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1468 516625	8598 721936	15949 1473181	162283	334310	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	1319 399993	6513 560679	12451 1139579	128678	260251	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 432825	7254 625983	13132 1321365	132891	274616	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 268754	++++ 386371	8548 789163	84998	171852	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 575760	10716 796485	18731 1598608	185077	373121	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 459748	7393 663920	13574 1418204	139383	285489	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 1177498	18666 1696158	36761 3541389	359129	740799	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 898309	++++ 1251640	29069 2490602	288210	587984	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 203395	++++ 664903	52654 1518464	144903	174724	++++ 20.0	++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-41208-1 Analy Batch No.: 123127

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/08/2017 17:28 Calibration End Date: 11/09/2017 01:23 Calibration ID: 38408

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Ethyl ether	BCM	Ave	++++ 338965	5533 556529	11058 1021104	108392	218819	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	++++ 144224	++++ 245553	++++ 460385	45164	95776	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	++++ 902077	14651 1391020	27306 2770746	273616	566264	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	1488 440858	7034 651736	13408 1370268	135019	278311	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 653878	++++ 1120237	++++ 1967195	242021	487401	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 1210733	++++ 1755395	++++ 35383 3647998	372496	768140	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	++++ 631479	++++ 1497361	++++ 2612645	294093	419529	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	++++ 575981	9297 872517	18358 1541707	184877	411558	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 301900	++++ 508632	++++ 940230	89954	202386	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 514404	++++ 773244	++++ 1462875	163444	332338	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 791648	++++ 1945389	++++ 3424622	349473	451679	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 1321944	22680 2366126	42323 4264135	434863	879178	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	++++ 668611	9879 1001973	19491 1998735	202404	417714	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 313601	++++ 515135	7706 972046	95671	188217	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 798026	13396 1257350	24626 2354895	250266	508943	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	2644 899785	15007 1413102	27714 2628566	279961	569811	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 1246889	++++ 1959237	++++ 3558259	386374	803281	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	1491 491825	7439 798038	14573 1534842	148746	306642	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 231183	++++ 438686	6918 800399	78388	157554	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 38124	++++ 68710	++++ 127607	12377	24700	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	++++ 567820	++++ 1015455	++++ 1756711	204950	389047	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-41208-1 Analy Batch No.: 123127

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/08/2017 17:28 Calibration End Date: 11/09/2017 01:23 Calibration ID: 38408

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Chloroform	BCM	Ave	+++++ 969528	15343 1534523	29087 2924581	297901	609077	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	+++++ 697641	11096 1092481	21403 2143368	212949	438528	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 973646	15753 1548746	29185 2967746	299931	612553	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	2894 980788	15266 1549373	28679 3017669	299419	618616	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 2793817	44449 4408130	84386 8029304	869807	1774926	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	+++++ 1593764	26407 2531283	49815 4814078	490258	1002603	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	+++++ 602116	9266 943528	18114 1750069	189220	382151	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	+++++ 1048330	17371 1616429	32554 2881032	335128	680618	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFBZ	Ave	+++++ 247073	+++++ 601542	+++++ 1083615	104053	140880	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	2188 647583	10345 1041812	19151 2014843	194736	409245	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 617545	10210 965812	19153 1827906	193368	389340	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 553189	+++++ 988747	15639 1809788	177960	363896	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 241679	+++++ 592290	+++++ 1074098	105717	141418	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFBZ	Ave	+++++ 615087	8585 979097	15917 1953760	175675	362915	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 1078558	16819 1727620	31574 3287839	334450	691930	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 848987	11997 1365120	22559 2623700	251720	529754	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFBZ	Ave	+++++ 1099151	+++++ 2254072	37877 3735698	432392	718246	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFBZ	Ave	+++++ 1491219	24548 2255785	47345 3948653	484421	974013	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBNZ d5	Ave	+++++ 1156931	17871 1844033	33231 3545183	347042	725049	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	+++++ 799953	10468 1297832	19443 2527874	236984	506941	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 555228	8656 893685	16323 1711702	172810	355471	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-41208-1 Analy Batch No.: 123127

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/08/2017 17:28 Calibration End Date: 11/09/2017 01:23 Calibration ID: 38408

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Tetrachloroethene	CBNZ d5	Ave	2775 948629	14586 1521277	27924 2994541	286284	594266	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZ d5	Ave	++++ 984871	++++ 2141170	29680 3532538	388969	575469	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBNZ d5	Ave	++++ 1027284	15148 1740127	29165 3330099	328110	694358	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBNZ d5	Ave	++++ 951556	12467 1542523	24411 3038576	283383	596783	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBNZ d5	Ave	++++ 1493776	22558 2412456	41279 4615680	449771	935980	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBNZ d5	Ave	++++ 2615719	38771 4195176	73587 7659048	795595	1647314	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBNZ d5	Ave	++++ 1373713	21515 2180400	40949 3947714	431565	881815	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBNZ d5	Ave	++++ 2040936	29738 3336666	56414 6198899	616114	1283479	++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBNZ d5	Ave	++++ 1001765	15281 1634755	28606 3088247	304660	627127	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBNZ d5	Ave	++++ 1559688	19068 2571227	37299 4841329	457881	967602	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBNZ d5	Ave	++++ 861157	13239 1671077	25473 3029964	301402	681933	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBNZ d5	Ave	++++ 2980023	44542 4816154	83287 8360392	915417	1896517	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	++++ 1476746	22084 2531813	42391 4532250	467603	953692	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBNZ d5	Ave	++++ 3646725	50390 5890080	99771 9672645	1136697	2346722	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBNZ d5	Ave	++++ 1136081	++++ 1919329	33924 3453076	359685	731094	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBNZ d5	Ave	++++ 1755097	++++ 2900965	49175 5012527	565594	1157852	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBNZ d5	Ave	++++ 2979461	39240 4883630	78258 8256743	912316	1905970	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBNZ d5	Ave	++++ 2508323	35327 4076800	65542 7187286	761109	1586169	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBNZ d5	Ave	++++ 2479282	34800 4146275	71078 7115564	772190	1593286	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBNZ d5	Ave	++++ 1227107	11989 2092094	26545 3845094	365759	773701	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBNZ d5	Ave	++++ 2372119	35643 3989949	67297 6909708	744569	1536679	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-41208-1 Analy Batch No.: 123127

SDG No.: _____

Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/08/2017 17:28 Calibration End Date: 11/09/2017 01:23 Calibration ID: 38408

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
1,2,4-Trimethylbenzene	CBNZ d5	Ave	++++ 2484416	32633 4180050	65011 7083445	779398	1603336	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBNZ d5	Ave	++++ 3655128	52937 5978937	100297 9561779	1165128	2396111	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBNZ d5	Ave	++++ 2999888	39487 5109131	79079 8342529	956495	1979902	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBNZ d5	Ave	++++ 1638346	15920 2754500	33717 5025038	479038	1018526	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBNZ d5	Ave	++++ 1595983	13463 2687746	30808 4955074	446717	968796	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBNZ d5	Ave	++++ 1853596	14843 3253202	31537 5847191	551442	1194278	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBNZ d5	Ave	++++ 2755293	27240 4683461	60226 7584023	864966	1804894	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBNZ d5	Ave	++++ 1458488	++++ 2615248	++++ 4283517	477087	972862	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBNZ d5	Ave	++++ 1515648	16405 2605805	36034 4711395	455436	949828	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBNZ d5	Ave	++++ 1089871	++++ 2084322	++++ 3604108	371684	588140	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBNZ d5	Ave	++++ 690355	++++ 1375068	11310 2602373	177701	386665	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBNZ d5	Ave	++++ 858277	13579 1625055	24439 2987596	273542	543186	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBNZ d5	Ave	++++ 1405930	++++ 2903470	24142 5355448	335922	777285	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBNZ d5	Ave	++++ 564734	++++ 1150372	11157 2084508	159884	288783	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:

Ave = Average ISTD

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

Lab Name: TestAmerica Burlington Job No.: 200-41261-1 Analy Batch No.: 122990

SDG No.: _____

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/06/2017 17:59 Calibration End Date: 11/07/2017 01:49 Calibration ID: 38392

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-122990/4	27754-04.D
Level 2	IC 200-122990/5	27754-05.D
Level 3	IC 200-122990/7	27754-07.D
Level 4	IC 200-122990/9	27754-09.D
Level 5	ICIS 200-122990/10	27754-10.D
Level 6	IC 200-122990/11	27754-11.D
Level 7	IC 200-122990/12	27754-12.D
Level 8	IC 200-122990/13	27754-13.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								
Propylene	+++++ 0.5500	+++++ 0.4987	+++++ 0.4082	0.7829	0.6601	Ave		0.5800				25.1		30.0			
Dichlorodifluoromethane	+++++ 2.1237	+++++ 1.9904	+++++ 2.2914 1.6864	2.7246	2.4725	Ave		2.2148				16.5		30.0			
Freon 22	+++++ 1.1791	+++++ 1.0836	+++++ 1.4063 0.8916	1.5983	1.3978	Ave		1.2595				20.3		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.2558	+++++ 2.3883 2.1389	+++++ 2.3647 1.8473	2.7373	2.5495	Ave		2.3260				12.3		30.0			
Chloromethane	+++++ 0.7538	+++++ 0.6929	+++++ 0.8320 0.5839	0.9935	0.8838	Ave		0.7900				18.4		30.0			
n-Butane	+++++ 1.2772	+++++ 1.1579	+++++ 1.5577 0.9552	1.7267	1.5143	Ave		1.3648				21.0		30.0			
Vinyl chloride	0.8415 0.9598	0.9491 0.8952	0.9624 0.7712	1.1600	1.0764	Ave		0.9520				13.0		30.0			
1,3-Butadiene	0.4740 0.7033	0.7804 0.6551	0.7246 0.5558	0.8751	0.8108	Ave		0.6974				19.1		30.0			
Bromomethane	+++++ 0.9791	0.9656 0.9705	0.9095 0.8690	1.0958	1.0710	Ave		0.9801				8.3		30.0			
Chloroethane	+++++ 0.5762	+++++ 0.5621	+++++ 0.5922 0.4908	0.6756	0.6360	Ave		0.5888				10.8		30.0			
Isopentane	+++++ 1.1689	1.4077 1.0797	1.2780 0.9044	1.4926	1.3533	Ave		1.2407				16.4		30.0			
Bromoethene (Vinyl Bromide)	+++++ 1.0187	0.9161 1.0226	0.9119 0.9292	1.1137	1.0842	Ave		0.9995				8.2		30.0			
Trichlorofluoromethane	+++++ 2.3132	2.4078 2.2262	2.3505 1.9709	2.7380	2.5386	Ave		2.3636				10.2		30.0			
n-Pentane	+++++ 1.7978	+++++ 1.6824	+++++ 2.0632 1.4113	2.3086	2.0528	Ave		1.8860				17.0		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-41261-1 Analy Batch No.: 122990
SDG No.: _____
Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/06/2017 17:59 Calibration End Date: 11/07/2017 01:49 Calibration ID: 38392

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								
Ethanol	++++ 0.5058	++++ 0.4445	0.6459 0.3466	0.6218	0.5366	Ave		0.5169				21.6		30.0			
Ethyl ether	++++ 0.7230	0.7385 0.6955	0.6749 0.6063	0.8592	0.7904	Ave		0.7268				11.2		30.0			
Acrolein	++++ 0.3339	++++ 0.3238	++++ 0.2846	0.3795	0.3571	Ave		0.3358				10.7		30.0			
Freon TF	++++ 1.9535	2.0105 1.9288	1.9215 1.7570	2.2417	2.0873	Ave		1.9858				7.6		30.0			
1,1-Dichloroethene	1.0767 0.9715	0.9879 0.9613	0.9257 0.8766	1.1220	1.0335	Ave		0.9944				8.0		30.0			
Acetone	++++ 1.4241	++++ 1.3053	++++ 1.0798	1.9671	1.6472	Ave		1.4847				22.8		30.0			
Isopropyl alcohol	++++ 1.6265	++++ 1.4975	++++ 1.2335	2.0939	1.8900	Ave		1.6683				20.1		30.0			
Carbon disulfide	++++ 2.7326	++++ 2.6778	++++ 2.3910	3.2357	2.9747	Ave		2.7872				10.3		30.0			
3-Chloropropene	++++ 1.3214	1.2877 1.2899	1.4743 1.0459	1.7599	1.5339	Ave		1.3876				16.3		30.0			
Acetonitrile	++++ 0.8395	++++ 0.7931	++++ 0.6435	1.0683	0.9412	Ave		0.8571				18.6		30.0			
Methylene Chloride	++++ 1.1396	++++ 1.0774	1.2793 0.9096	1.4439	1.2974	Ave		1.1912				15.8		30.0			
tert-Butyl alcohol	++++ 2.1514	++++ 2.0009	++++ 1.7033	2.6008	2.4183	Ave		2.1749				16.2		30.0			
Methyl tert-butyl ether	++++ 2.9313	2.9417 2.8376	2.9055 2.4993	3.4433	3.1851	Ave		2.9634				9.9		30.0			
trans-1,2-Dichloroethene	++++ 1.4696	1.4923 1.4209	1.5010 1.2410	1.8046	1.6314	Ave		1.5087				11.6		30.0			
Acrylonitrile	++++ 0.7861	++++ 0.7511	0.7556 0.6518	0.9553	0.8764	Ave		0.7960				13.3		30.0			
n-Hexane	++++ 1.6778	2.2246 1.6270	1.8618 1.4080	2.0543	1.8508	Ave		1.8149				15.1		30.0			
1,1-Dichloroethane	2.0934 1.9393	2.1348 1.8669	1.9465 1.6212	2.3805	2.1550	Ave		2.0172				11.3		30.0			
Vinyl acetate	++++ 2.7075	++++ 2.5332	++++ 2.0968	3.4470	3.0993	Ave		2.7768				18.7		30.0			
Methyl Ethyl Ketone	++++ 0.5758	++++ 0.5598	0.5949 0.4967	0.6707	0.6140	Ave		0.5853				9.9		30.0			
cis-1,2-Dichloroethene	1.0265 1.1515	1.1079 1.1465	1.1319 1.0510	1.3367	1.2420	Ave		1.1492				8.7		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-41261-1 Analy Batch No.: 122990
SDG No.: _____
Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/06/2017 17:59 Calibration End Date: 11/07/2017 01:49 Calibration ID: 38392

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								
Ethyl acetate	++++ 0.0947	++++ 0.0943	++++ 0.0870	0.1076	0.0996	Ave		0.0966				7.9		30.0			
Tetrahydrofuran	++++ 0.2597	++++ 0.2427	++++ 0.2058	0.3310	0.2952	Ave		0.2669				18.0		30.0			
Chloroform	++++ 2.0932	2.2341 2.0258	2.1363 1.7891	2.5153	2.2926	Ave		2.1552				10.5		30.0			
1,1,1-Trichloroethane	++++ 0.4138	0.4231 0.3991	0.4045 0.3643	0.4843	0.4423	Ave		0.4188				9.0		30.0			
Cyclohexane	++++ 0.3164	0.3010 0.3106	0.2998 0.2936	0.3520	0.3312	Ave		0.3149				6.5		30.0			
Carbon tetrachloride	0.3009 0.4161	0.3763 0.4055	0.3778 0.3660	0.4850	0.4482	Ave		0.3970				14.1		30.0			
2,2,4-Trimethylpentane	++++ 1.1833	1.1816 1.1435	1.1319 1.0224	1.3969	1.2863	Ave		1.1923				10.0		30.0			
Benzene	++++ 0.7066	0.8467 0.6947	0.6963 0.6448	0.8076	0.7509	Ave		0.7354				9.6		30.0			
1,2-Dichloroethane	++++ 0.2557	0.2685 0.2403	0.2617 0.2088	0.3168	0.2819	Ave		0.2620				12.8		30.0			
n-Heptane	++++ 0.4327	0.5170 0.4065	0.4567 0.3467	0.5452	0.4864	Ave		0.4559				14.9		30.0			
n-Butanol	++++ 0.1405	++++ 0.1330	++++ 0.1194	0.1668	0.1519	Ave		0.1423				12.7		30.0			
Trichloroethene	0.2401 0.2997	0.2996 0.2937	0.2832 0.2764	0.3386	0.3170	Ave		0.2935				9.9		30.0			
1,2-Dichloropropane	++++ 0.2805	0.2687 0.2727	0.2760 0.2455	0.3329	0.3048	Ave		0.2830				9.9		30.0			
Methyl methacrylate	++++ 0.2660	++++ 0.2614	++++ 0.2392	0.3030	0.2824	Ave		0.2636				10.3		30.0			
1,4-Dioxane	++++ 0.1361	++++ 0.1317	++++ 0.1180	0.1611	0.1514	Ave		0.1397				12.1		30.0			
Dibromomethane	++++ 0.2888	0.2979 0.2886	0.2699 0.2816	0.3137	0.3028	Ave		0.2919				4.9		30.0			
Bromodichloromethane	++++ 0.4841	0.4877 0.4728	0.4846 0.4296	0.5765	0.5250	Ave		0.4943				9.3		30.0			
cis-1,3-Dichloropropene	++++ 0.4057	0.3579 0.3964	0.3732 0.3626	0.4671	0.4333	Ave		0.3995				10.0		30.0			
methyl isobutyl ketone	++++ 0.5534	++++ 0.5193	0.5274 0.4418	0.6939	0.6217	Ave		0.5596				15.7		30.0			
n-Octane	++++ 0.6170	0.7051 0.5731	0.6394 0.4739	0.7851	0.7038	Ave		0.6425				15.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-41261-1 Analy Batch No.: 122990
SDG No.: _____
Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/06/2017 17:59 Calibration End Date: 11/07/2017 01:49 Calibration ID: 38392

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								
Toluene	++++ 0.5799	0.6339 0.5800	0.5826 0.5468	0.6554	0.6047	Ave		0.5976				6.2		30.0			
trans-1,3-Dichloropropene	++++ 0.3925	0.3346 0.3813	0.3455 0.3444	0.4525	0.4221	Ave		0.3818				11.6		30.0			
1,1,2-Trichloroethane	++++ 0.2899	0.2865 0.2872	0.2877 0.2669	0.3363	0.3078	Ave		0.2946				7.4		30.0			
Tetrachloroethene	0.4049 0.4773	0.4856 0.4824	0.4437 0.4813	0.5203	0.4923	Ave		0.4735				7.3		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.5902	++++ 0.5522	0.5755 0.4717	0.7349	0.6543	Ave		0.5965				15.1		30.0			
Dibromochloromethane	++++ 0.5692	0.4889 0.5751	0.5130 0.5502	0.6486	0.5890	Ave		0.5620				9.3		30.0			
1,2-Dibromoethane	++++ 0.5271	0.4721 0.5240	0.4869 0.4978	0.5932	0.5535	Ave		0.5221				8.0		30.0			
Chlorobenzene	++++ 0.7935	0.7665 0.7987	0.7498 0.7640	0.8805	0.8257	Ave		0.7969				5.6		30.0			
Ethylbenzene	++++ 1.2926	1.3137 1.2872	1.2635 1.1962	1.4522	1.3595	Ave		1.3093				6.1		30.0			
n-Nonane	++++ 0.6581	0.7085 0.6358	0.6416 0.5564	0.7816	0.7118	Ave		0.6705				10.7		30.0			
m,p-Xylene	++++ 0.5223	0.4698 0.5280	0.4754 0.5093	0.5680	0.5374	Ave		0.5157				6.7		30.0			
Xylene, o-	++++ 0.5106	0.5030 0.5118	0.4818 0.4895	0.5654	0.5294	Ave		0.5131				5.4		30.0			
Styrene	++++ 0.8061	0.6356 0.8054	0.6948 0.7779	0.8608	0.8308	Ave		0.7731				10.3		30.0			
Bromoform	++++ 0.5402	0.3603 0.5618	0.4638 0.5546	0.6155	0.5331	Ave		0.5185				16.0		30.0			
Cumene	++++ 1.4541	1.3804 1.4572	1.3509 1.3600	1.6284	1.5219	Ave		1.4504				6.9		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.7893	0.7546 0.7773	0.7550 0.6911	0.9074	0.8461	Ave		0.7887				8.9		30.0			
n-Propylbenzene	++++ 1.8237	1.6752 1.7852	1.6612 1.5869	2.0570	1.9213	Ave		1.7872				9.2		30.0			
1,2,3-Trichloropropane	++++ 0.6009	++++ 0.5824	0.5846 0.5077	0.6993	0.6432	Ave		0.6030				10.7		30.0			
n-Decane	++++ 0.8239	++++ 0.7681	0.8484 0.6962	1.0271	0.9342	Ave		0.8496				13.9		30.0			
4-Ethyltoluene	++++ 1.4553	1.3269 1.4153	1.3118 1.3162	1.6058	1.5220	Ave		1.4219				8.0		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-41261-1 Analy Batch No.: 122990
SDG No.: _____
Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/06/2017 17:59 Calibration End Date: 11/07/2017 01:49 Calibration ID: 38392

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-Chlorotoluene	++++ 1.1948	1.1452 1.1561	1.1011 1.0727	1.3512	1.2650	Ave		1.1837				8.2		30.0			
1,3,5-Trimethylbenzene	++++ 1.1903	1.1098 1.1241	1.0937 1.1109	1.3356	1.2640	Ave		1.1755				7.9		30.0			
Alpha Methyl Styrene	++++ 0.6062	0.4546 0.5804	0.5151 0.5793	0.6583	0.6358	Ave		0.5757				12.2		30.0			
tert-Butylbenzene	++++ 1.1321	1.0989 1.0879	1.0603 1.0585	1.3058	1.2158	Ave		1.1370				8.1		30.0			
1,2,4-Trimethylbenzene	++++ 1.1601	1.0658 1.1076	1.0879 1.0949	1.3456	1.2681	Ave		1.1614				9.1		30.0			
sec-Butylbenzene	++++ 1.7262	1.6931 1.6672	1.6828 1.6325	2.0505	1.9037	Ave		1.7651				8.7		30.0			
4-Isopropyltoluene	++++ 1.3920	1.3427 1.3924	1.3572 1.4166	1.6854	1.5692	Ave		1.4508				8.8		30.0			
1,3-Dichlorobenzene	++++ 0.7987	0.6309 0.7574	0.7114 0.7891	0.8725	0.8442	Ave		0.7721				10.6		30.0			
1,4-Dichlorobenzene	++++ 0.7836	0.5716 0.7400	0.7094 0.7911	0.8557	0.8331	Ave		0.7549				12.6		30.0			
Benzyl chloride	++++ 0.9241	0.5174 0.8764	0.7780 0.8708	1.0518	1.0220	Ave		0.8629				20.7		30.0			
n-Undecane	++++ 0.9189	++++ 0.8755	++++ 0.7541	1.1078	0.9638	Ave		0.9240				14.0		30.0			
n-Butylbenzene	++++ 1.2744	1.2292 1.2827	1.2726 1.2539	1.5850	1.4294	Ave		1.3325				9.7		30.0			
1,2-Dichlorobenzene	++++ 0.7182	0.6255 0.6983	0.6790 0.7406	0.8309	0.7888	Ave		0.7259				9.5		30.0			
n-Dodecane	++++ 0.7950	++++ 0.7338	++++ 0.3703	0.8750	0.7977	Ave		0.7144				27.8		30.0			
1,2,4-Trichlorobenzene	++++ 0.5095	++++ 0.4881	0.3683 0.4409	0.4341	0.4634	Ave		0.4507				10.9		30.0			
Hexachlorobutadiene	++++ 0.4986	0.4594 0.4985	0.4545 0.3880	0.5337	0.4879	Ave		0.4744				9.8		30.0			
Naphthalene	++++ 1.1083	++++ 1.0204	0.8313 0.9401	0.8572	0.9553	Ave		0.9521				10.8		30.0			
1,2,3-Trichlorobenzene	++++ 0.4480	++++ 0.4344	0.3347 0.3232	0.3923	0.4117	Ave		0.3907				13.2		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-41261-1 Analy Batch No.: 122990

SDG No.: _____

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/06/2017 17:59 Calibration End Date: 11/07/2017 01:49 Calibration ID: 38392

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-122990/4	27754-04.D
Level 2	IC 200-122990/5	27754-05.D
Level 3	IC 200-122990/7	27754-07.D
Level 4	IC 200-122990/9	27754-09.D
Level 5	ICIS 200-122990/10	27754-10.D
Level 6	IC 200-122990/11	27754-11.D
Level 7	IC 200-122990/12	27754-12.D
Level 8	IC 200-122990/13	27754-13.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Propylene	BCM	Ave	++++ 262308	++++ 350917	++++ 666801	94270	178752	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 1012917	++++ 1400515	27637 2754680	328049	669500	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 562365	++++ 762497	16962 1456389	192442	378485	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1075928	11568 1504994	28521 3017555	329585	690355	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 359553	++++ 487565	10035 953781	119627	239308	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 609191	++++ 814735	18787 1560254	207906	410042	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	687 457798	4597 629881	11608 1259739	139669	291466	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	387 335437	3780 460938	8740 907836	105361	219553	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 466967	4677 682895	10970 1419547	131944	290018	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 274839	++++ 395487	7142 801767	81341	172230	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 557524	6818 759706	15414 1477241	179718	366461	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 485880	4437 719528	10998 1517808	134098	293593	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 1103290	11662 1566416	28350 3219338	329662	687404	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 857492	++++ 1183796	24884 2305350	277962	555873	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 322355	++++ 625643	78001 1415524	149824	218031	++++ 20.0	++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-41261-1 Analy Batch No.: 122990

SDG No.: _____

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/06/2017 17:59 Calibration End Date: 11/07/2017 01:49 Calibration ID: 38392

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Ethyl ether	BCM	Ave	++++ 344829	3577 489381	8140 990383	103447	214038	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	++++ 159278	++++ 227859	++++ 464860	45692	96696	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	++++ 931730	9738 1357192	23175 2870018	269917	565202	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	879 463386	4785 676409	11165 1431915	135100	279844	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 679222	++++ 918444	++++ 1763733	236842	446021	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	++++ 775787	++++ 1053695	++++ 2014852	252112	511783	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 1303321	++++ 1884193	32704 3905659	389595	805496	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	++++ 630248	6237 907636	17782 1708448	211903	415357	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 400394	++++ 558071	++++ 1051183	128629	254873	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 543530	++++ 758104	15430 1485831	173856	351310	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 1026121	++++ 1407939	++++ 2782228	313150	654836	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 1398096	++++ 14248 1996655	35044 4082553	414586	862467	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	++++ 700935	7228 999814	18104 2027160	217279	441740	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 374931	++++ 528510	9113 1064673	115020	237313	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 800225	10775 1144849	22455 2299897	247350	501161	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1709 924957	10340 1313600	23477 2648188	286623	583546	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 1291360	++++ 1782446	++++ 3425006	415040	839222	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 274656	++++ 393924	7175 811284	80752	166254	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	838 549204	5366 806754	13652 1716713	160947	336303	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 45156	++++ 66363	++++ 142076	12961	26960	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	++++ 611226	++++ 842926	++++ 1611154	202420	402366	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-41261-1 Analy Batch No.: 122990

SDG No.: _____

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/06/2017 17:59 Calibration End Date: 11/07/2017 01:49 Calibration ID: 38392

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Chloroform	BCM	Ave	++++ 998358	10821 1425408	25766 2922350	302854	620796	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	++++ 973905	10372 1386002	24994 2851804	296136	602834	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	++++ 744741	7379 1078684	18527 2298205	215268	451412	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	1233 979389	9225 1408169	23344 2864853	296544	610969	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 2785353	28967 3971225	69941 8002808	854191	1753387	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	++++ 1663189	20758 2412590	43028 5046961	493843	1023623	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	++++ 601835	6582 834386	16172 1634383	193741	384279	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	++++ 1018472	12675 1411728	28219 2713764	333367	663081	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFBZ	Ave	++++ 330651	++++ 462049	++++ 934673	101995	207031	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	984 705472	7346 1020053	17501 2163493	207050	432058	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	++++ 660207	6587 947123	17056 1921446	203574	415515	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	++++ 626224	++++ 907851	14165 1872327	185277	384997	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	++++ 320238	++++ 457426	++++ 923935	98539	206434	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dibromomethane	DFBZ	Ave	++++ 679826	7303 1002264	16681 2204560	191845	412753	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	++++ 1139481	11957 1641881	29942 3362489	352531	715566	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 955016	8775 1376724	23060 2838418	285608	590668	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFBZ	Ave	++++ 1302488	++++ 1803414	32590 3457992	424306	847377	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFBZ	Ave	++++ 1452261	17287 1990415	39510 3709404	480047	959417	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBNZ d5	Ave	++++ 1231696	13793 1809158	31753 3852181	362352	753577	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	++++ 923761	8203 1324222	21348 2695893	276675	575307	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBNZ d5	Ave	++++ 615856	6233 895676	15678 1880575	185969	383516	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-41261-1 Analy Batch No.: 122990

SDG No.: _____

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/06/2017 17:59 Calibration End Date: 11/07/2017 01:49 Calibration ID: 38392

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Tetrachloroethene	CBNZ d5	Ave	1459 1013752	10565 1504548	24183 3391200	287651	613429	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZ d5	Ave	++++ 1253699	++++ 1722537	31361 3323450	406329	815397	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBNZ d5	Ave	++++ 1209039	10638 1793665	27956 3876618	358608	734000	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBNZ d5	Ave	++++ 1119668	10271 1634580	26533 3507458	327996	689766	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBNZ d5	Ave	++++ 1685338	16678 2491305	40862 5382503	486827	1028944	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBNZ d5	Ave	++++ 2745535	28583 4014844	68858 8428186	802931	1694195	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBNZ d5	Ave	++++ 1397898	15416 1983042	34964 3919902	432179	886988	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBNZ d5	Ave	++++ 2218882	20444 3293994	51820 7176091	628058	1339356	++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBNZ d5	Ave	++++ 1084561	10945 1596485	26258 3448842	312634	659664	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBNZ d5	Ave	++++ 1712264	13830 2512147	37866 5480628	475931	1035340	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBNZ d5	Ave	++++ 1147379	7840 1752241	25278 3907202	340328	664355	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBNZ d5	Ave	++++ 3088484	30035 4545305	73623 9581691	900374	1896589	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	++++ 1676500	16418 2424642	41145 4869536	501706	1054405	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBNZ d5	Ave	++++ 3873668	36449 5568174	90532 11180756	1137310	2394240	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBNZ d5	Ave	++++ 1276362	++++ 1816466	31857 3577331	386627	801515	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBNZ d5	Ave	++++ 1749982	++++ 2395755	46234 4905409	567864	1164188	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBNZ d5	Ave	++++ 3091160	28872 4414476	71488 9273522	887867	1896619	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBNZ d5	Ave	++++ 2537832	24918 3605957	60006 7557699	747078	1576394	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBNZ d5	Ave	++++ 2528343	24147 3506340	59606 7827219	738489	1575121	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBNZ d5	Ave	++++ 1287536	9891 1810300	28073 4081481	363985	792287	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBNZ d5	Ave	++++ 2404614	23910 3393419	57783 7457439	722005	1515083	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-41261-1 Analy Batch No.: 122990

SDG No.: _____

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/06/2017 17:59 Calibration End Date: 11/07/2017 01:49 Calibration ID: 38392

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
1,2,4-Trimethylbenzene	CBNZ d5	Ave	++++ 2464062	23191 3454778	59289 7714438	743964	1580281	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBNZ d5	Ave	++++ 3666512	36838 5200086	91707 11501603	1133717	2372305	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBNZ d5	Ave	++++ 2956723	29214 4342966	73963 9980594	931887	1955482	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBNZ d5	Ave	++++ 1696474	13728 2362589	38771 5559940	482419	1052014	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBNZ d5	Ave	++++ 1664444	12436 2308042	38663 5573724	473120	1038211	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBNZ d5	Ave	++++ 1962790	11257 2733690	42398 6135081	581535	1273643	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBNZ d5	Ave	++++ 1951866	++++ 2730816	++++ 5313148	612517	1200999	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
n-Butylbenzene	CBNZ d5	Ave	++++ 2706883	26745 4000789	69356 8834446	876363	1781253	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBNZ d5	Ave	++++ 1525509	13609 2178021	37002 5217884	459422	983042	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBNZ d5	Ave	++++ 1688580	++++ 2288869	++++ 2608958	483798	994023	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBNZ d5	Ave	++++ 1082245	++++ 1522402	20073 3106580	240031	577428	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBNZ d5	Ave	++++ 1059150	9995 1555025	24771 2733620	295106	608010	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBNZ d5	Ave	++++ 2354157	++++ 3182700	45302 6623680	473935	1190473	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBNZ d5	Ave	++++ 951579	++++ 1354997	18238 2277299	216879	513047	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:

Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
 SDG No.: _____
 Lab Sample ID: ICV 200-123127/17 Calibration Date: 11/09/2017 04:54
 Instrument ID: CHW.i Calib Start Date: 11/08/2017 17:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/09/2017 01:23
 Lab File ID: 27803-17.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	1.085	1.096		10.1	10.0	1.0	30.0
Dichlorodifluoromethane	Ave	3.875	3.888		10.0	10.0	0.3	30.0
Freon 22	Ave	2.168	2.152		9.92	10.0	-0.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.075	3.979		9.76	10.0	-2.4	30.0
Chloromethane	Ave	1.279	1.259		9.84	10.0	-1.6	30.0
n-Butane	Ave	2.455	2.420		9.86	10.0	-1.4	30.0
Vinyl chloride	Ave	1.702	1.622		9.53	10.0	-4.7	30.0
1,3-Butadiene	Ave	1.350	1.265		9.37	10.0	-6.3	30.0
Bromomethane	Ave	1.404	1.380		9.83	10.0	-1.7	30.0
Chloroethane	Ave	0.8416	0.8514		10.1	10.0	1.2	30.0
Isopentane	Ave	1.911	1.796		9.40	10.0	-6.0	30.0
Bromoethene (Vinyl Bromide)	Ave	1.468	1.440		9.80	10.0	-1.9	30.0
Trichlorofluoromethane	Ave	3.781	3.696		9.77	10.0	-2.2	30.0
n-Pentane	Ave	2.804	2.820		10.1	10.0	0.5	30.0
Ethanol	Ave	0.6072	0.7693		19.0	15.0	26.7	30.0
Ethyl ether	Ave	1.134	1.085		9.57	10.0	-4.3	30.0
Acrolein	Ave	0.4634	0.4358		9.40	10.0	-6.0	30.0
Freon TF	Ave	2.926	2.833		9.68	10.0	-3.2	30.0
1,1-Dichloroethene	Ave	1.492	1.383		9.27	10.0	-7.3	30.0
Acetone	Ave	2.214	2.303		10.4	10.0	4.0	30.0
Carbon disulfide	Ave	3.728	3.809		10.2	10.0	2.2	30.0
Isopropyl alcohol	Ave	2.520	2.768		11.0	10.0	9.8	30.0
3-Chloropropene	Ave	1.898	2.015		10.6	10.0	6.2	30.0
Acetonitrile	Ave	0.9555	1.008		10.5	10.0	5.5	30.0
Methylene Chloride	Ave	1.646	1.626		9.88	10.0	-1.2	30.0
tert-Butyl alcohol	Ave	3.100	3.437		11.1	10.0	10.9	30.0
Methyl tert-butyl ether	Ave	4.578	4.489		9.80	10.0	-1.9	30.0
trans-1,2-Dichloroethene	Ave	2.105	2.082		9.89	10.0	-1.1	30.0
Acrylonitrile	Ave	0.9529	0.9905		10.4	10.0	3.9	30.0
n-Hexane	Ave	2.625	2.532		9.65	10.0	-3.5	30.0
1,1-Dichloroethane	Ave	3.015	2.823		9.36	10.0	-6.4	30.0
Vinyl acetate	Ave	3.828	3.865		10.1	10.0	1.0	30.0
cis-1,2-Dichloroethene	Ave	1.633	1.535		9.40	10.0	-6.0	30.0
Methyl Ethyl Ketone	Ave	0.7884	0.8065		10.2	10.0	2.3	30.0
Ethyl acetate	Ave	0.1255	0.1295		10.3	10.0	3.2	30.0
Tetrahydrofuran	Ave	0.3578	0.3694		10.3	10.0	3.2	30.0
Chloroform	Ave	3.138	3.043		9.70	10.0	-3.0	30.0
Cyclohexane	Ave	0.4233	0.4119		9.73	10.0	-2.7	30.0
1,1,1-Trichloroethane	Ave	0.5920	0.5724		9.67	10.0	-3.3	30.0
Carbon tetrachloride	Ave	0.6053	0.5645		9.32	10.0	-6.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
 SDG No.: _____
 Lab Sample ID: ICV 200-123127/17 Calibration Date: 11/09/2017 04:54
 Instrument ID: CHW.i Calib Start Date: 11/08/2017 17:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/09/2017 01:23
 Lab File ID: 27803-17.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.686	1.643		9.74	10.0	-2.6	30.0
Benzene	Ave	0.9775	0.9293		9.51	10.0	-4.9	30.0
1,2-Dichloroethane	Ave	0.3617	0.3523		9.74	10.0	-2.6	30.0
n-Heptane	Ave	0.6385	0.6123		9.59	10.0	-4.1	30.0
n-Butanol	Ave	0.1804	0.1999		11.1	10.0	10.9	30.0
Trichloroethene	Ave	0.4110	0.3796		9.23	10.0	-7.7	30.0
1,2-Dichloropropane	Ave	0.3774	0.3622		9.60	10.0	-4.0	30.0
Methyl methacrylate	Ave	0.3383	0.3430		10.1	10.0	1.4	30.0
1,4-Dioxane	Ave	0.1794	0.1901		10.6	10.0	6.0	30.0
Dibromomethane	Ave	0.3529	0.3371		9.55	10.0	-4.5	30.0
Bromodichloromethane	Ave	0.6526	0.6387		9.79	10.0	-2.1	30.0
cis-1,3-Dichloropropene	Ave	0.4950	0.4900		9.90	10.0	-1.0	30.0
methyl isobutyl ketone	Ave	0.7435	0.7908		10.6	10.0	6.4	30.0
n-Octane	Ave	0.9068	0.8821		9.73	10.0	-2.7	30.0
Toluene	Ave	0.7679	0.7340		9.56	10.0	-4.4	30.0
trans-1,3-Dichloropropene	Ave	0.4588	0.4525		9.86	10.0	-1.4	30.0
1,1,2-Trichloroethane	Ave	0.3741	0.3596		9.61	10.0	-3.9	30.0
Tetrachloroethene	Ave	0.6563	0.6057		9.23	10.0	-7.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.7205	0.7846		10.9	10.0	8.9	30.0
Dibromochloromethane	Ave	0.7000	0.6692		9.56	10.0	-4.4	30.0
1,2-Dibromoethane	Ave	0.6096	0.5974		9.80	10.0	-2.0	30.0
Chlorobenzene	Ave	0.9856	0.9458		9.59	10.0	-4.0	30.0
Ethylbenzene	Ave	1.715	1.675		9.77	10.0	-2.3	30.0
n-Nonane	Ave	0.9199	0.8873		9.64	10.0	-3.5	30.0
m,p-Xylene	Ave	0.6697	0.6539		19.5	20.0	-2.4	30.0
Xylene, o-	Ave	0.6669	0.6394		9.58	10.0	-4.1	30.0
Styrene	Ave	0.9753	0.9600		9.84	10.0	-1.6	30.0
Bromoform	Ave	0.6363	0.5937		9.33	10.0	-6.7	30.0
Cumene	Ave	1.952	1.924		9.85	10.0	-1.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.997	0.9771		9.80	10.0	-2.0	30.0
n-Propylbenzene	Ave	2.344	2.377		10.1	10.0	1.4	30.0
1,2,3-Trichloropropane	Ave	0.7492	0.7442		9.93	10.0	-0.7	30.0
n-Decane	Ave	1.138	1.170		10.3	10.0	2.8	30.0
4-Ethyltoluene	Ave	1.898	1.930		10.2	10.0	1.7	30.0
2-Chlorotoluene	Ave	1.613	1.597		9.90	10.0	-1.0	30.0
1,3,5-Trimethylbenzene	Ave	1.632	1.620		9.93	10.0	-0.7	30.0
Alpha Methyl Styrene	Ave	0.7442	0.7707		10.4	10.0	3.6	30.0
tert-Butylbenzene	Ave	1.584	1.567		9.89	10.0	-1.1	30.0
1,2,4-Trimethylbenzene	Ave	1.601	1.625		10.1	10.0	1.5	30.0
sec-Butylbenzene	Ave	2.383	2.422		10.2	10.0	1.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
 SDG No.: _____
 Lab Sample ID: ICV 200-123127/17 Calibration Date: 11/09/2017 04:54
 Instrument ID: CHW.i Calib Start Date: 11/08/2017 17:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/09/2017 01:23
 Lab File ID: 27803-17.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.944	2.008		10.3	10.0	3.3	30.0
1,3-Dichlorobenzene	Ave	0.9769	0.995		10.2	10.0	1.9	30.0
1,4-Dichlorobenzene	Ave	0.9222	0.9351		10.1	10.0	1.4	30.0
Benzyl chloride	Ave	1.081	1.053		9.73	10.0	-2.6	30.0
n-Butylbenzene	Ave	1.668	1.811		10.9	10.0	8.5	30.0
n-Undecane	Ave	0.9702	0.9723		10.0	10.0	0.2	30.0
1,2-Dichlorobenzene	Ave	0.9426	0.9479		10.1	10.0	0.6	30.0
n-Dodecane	Ave	0.7310	0.6733		9.21	10.0	-7.9	30.0
1,2,4-Trichlorobenzene	Ave	0.4266	0.3584		8.40	10.0	-16.0	30.0
Hexachlorobutadiene	Ave	0.6030	0.5886		9.76	10.0	-2.4	30.0
Naphthalene	Ave	0.8716	0.6834		7.84	10.0	-21.6	30.0
1,2,3-Trichlorobenzene	Ave	0.3574	0.3179		8.89	10.0	-11.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-124054/5 Calibration Date: 12/05/2017 15:03
 Instrument ID: CHW.i Calib Start Date: 11/08/2017 17:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/09/2017 01:23
 Lab File ID: 28186-05.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	1.085	1.305		12.0	10.0	20.3	30.0
Dichlorodifluoromethane	Ave	3.875	4.467		11.5	10.0	15.3	30.0
Freon 22	Ave	2.168	2.542		11.7	10.0	17.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.075	4.559		11.2	10.0	11.9	30.0
Chloromethane	Ave	1.279	1.520		11.9	10.0	18.8	30.0
n-Butane	Ave	2.455	2.911		11.9	10.0	18.6	30.0
Vinyl chloride	Ave	1.702	1.967		11.6	10.0	15.6	30.0
1,3-Butadiene	Ave	1.350	1.520		11.3	10.0	12.6	30.0
Bromomethane	Ave	1.404	1.619		11.5	10.0	15.4	30.0
Chloroethane	Ave	0.8416	1.020		12.1	10.0	21.2	30.0
Isopentane	Ave	1.911	2.238		11.7	10.0	17.1	30.0
Bromoethene (Vinyl Bromide)	Ave	1.468	1.617		11.0	10.0	10.1	30.0
Trichlorofluoromethane	Ave	3.781	4.200		11.1	10.0	11.1	30.0
n-Pentane	Ave	2.804	3.479		12.4	10.0	24.1	30.0
Ethanol	Ave	0.6072	0.8544		21.1	15.0	40.7*	30.0
Ethyl ether	Ave	1.134	1.304		11.5	10.0	15.1	30.0
Acrolein	Ave	0.4634	0.5510		11.9	10.0	18.9	30.0
Freon TF	Ave	2.926	3.204		10.9	10.0	9.5	30.0
1,1-Dichloroethene	Ave	1.492	1.567		10.5	10.0	5.0	30.0
Acetone	Ave	2.214	2.864		12.9	10.0	29.4	30.0
Carbon disulfide	Ave	3.728	4.356		11.7	10.0	16.8	30.0
Isopropyl alcohol	Ave	2.520	3.390		13.5	10.0	34.5*	30.0
3-Chloropropene	Ave	1.898	2.388		12.6	10.0	25.8	30.0
Acetonitrile	Ave	0.9555	1.286		13.5	10.0	34.6*	30.0
Methylene Chloride	Ave	1.646	2.019		12.3	10.0	22.7	30.0
tert-Butyl alcohol	Ave	3.100	4.038		13.0	10.0	30.3*	30.0
Methyl tert-butyl ether	Ave	4.578	5.120		11.2	10.0	11.8	30.0
trans-1,2-Dichloroethene	Ave	2.105	2.439		11.6	10.0	15.9	30.0
Acrylonitrile	Ave	0.9529	1.205		12.6	10.0	26.4	30.0
n-Hexane	Ave	2.625	2.982		11.4	10.0	13.6	30.0
1,1-Dichloroethane	Ave	3.015	3.330		11.0	10.0	10.5	30.0
Vinyl acetate	Ave	3.828	4.794		12.5	10.0	25.2	30.0
cis-1,2-Dichloroethene	Ave	1.633	1.677		10.3	10.0	2.7	30.0
Methyl Ethyl Ketone	Ave	0.7884	0.9307		11.8	10.0	18.0	30.0
Ethyl acetate	Ave	0.1255	0.1435		11.4	10.0	14.4	30.0
Tetrahydrofuran	Ave	0.3578	0.4601		12.9	10.0	28.6	30.0
Chloroform	Ave	3.138	3.467		11.0	10.0	10.5	30.0
Cyclohexane	Ave	0.4233	0.4514		10.7	10.0	6.6	30.0
1,1,1-Trichloroethane	Ave	0.5920	0.6370		10.8	10.0	7.6	30.0
Carbon tetrachloride	Ave	0.6053	0.6234		10.3	10.0	3.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-124054/5 Calibration Date: 12/05/2017 15:03
 Instrument ID: CHW.i Calib Start Date: 11/08/2017 17:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/09/2017 01:23
 Lab File ID: 28186-05.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.686	1.890		11.2	10.0	12.1	30.0
Benzene	Ave	0.9775	1.037		10.6	10.0	6.0	30.0
1,2-Dichloroethane	Ave	0.3617	0.4162		11.5	10.0	15.0	30.0
n-Heptane	Ave	0.6385	0.7462		11.7	10.0	16.9	30.0
n-Butanol	Ave	0.1804	0.2239		12.4	10.0	24.2	30.0
Trichloroethene	Ave	0.4110	0.4201		10.2	10.0	2.2	30.0
1,2-Dichloropropane	Ave	0.3774	0.4211		11.2	10.0	11.6	30.0
Methyl methacrylate	Ave	0.3383	0.3919		11.6	10.0	15.9	30.0
1,4-Dioxane	Ave	0.1794	0.2051		11.4	10.0	14.3	30.0
Dibromomethane	Ave	0.3529	0.3437		9.74	10.0	-2.6	30.0
Bromodichloromethane	Ave	0.6526	0.7291		11.2	10.0	11.7	30.0
cis-1,3-Dichloropropene	Ave	0.4950	0.5596		11.3	10.0	13.1	30.0
methyl isobutyl ketone	Ave	0.7435	0.9886		13.3	10.0	33.0*	30.0
n-Octane	Ave	0.9068	1.088		12.0	10.0	19.9	30.0
Toluene	Ave	0.7679	0.7973		10.4	10.0	3.8	30.0
trans-1,3-Dichloropropene	Ave	0.4588	0.5164		11.3	10.0	12.6	30.0
1,1,2-Trichloroethane	Ave	0.3741	0.4033		10.8	10.0	7.8	30.0
Tetrachloroethene	Ave	0.6563	0.6021		9.17	10.0	-8.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.7205	0.9708		13.5	10.0	34.7*	30.0
Dibromochloromethane	Ave	0.7000	0.7347		10.5	10.0	5.0	30.0
1,2-Dibromoethane	Ave	0.6096	0.6516		10.7	10.0	6.9	30.0
Chlorobenzene	Ave	0.9856	1.005		10.2	10.0	1.9	30.0
Ethylbenzene	Ave	1.715	1.812		10.6	10.0	5.7	30.0
n-Nonane	Ave	0.9199	1.007		10.9	10.0	9.5	30.0
m,p-Xylene	Ave	0.6697	0.6883		20.6	20.0	2.8	30.0
Xylene, o-	Ave	0.6669	0.6725		10.1	10.0	0.8	30.0
Styrene	Ave	0.9753	1.026		10.5	10.0	5.2	30.0
Bromoform	Ave	0.6363	0.6474		10.2	10.0	1.7	30.0
Cumene	Ave	1.952	2.032		10.4	10.0	4.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.997	1.091		10.9	10.0	9.4	30.0
n-Propylbenzene	Ave	2.344	2.606		11.1	10.0	11.2	30.0
1,2,3-Trichloropropane	Ave	0.7492	0.8333		11.1	10.0	11.2	30.0
n-Decane	Ave	1.138	1.343		11.8	10.0	18.0	30.0
4-Ethyltoluene	Ave	1.898	2.057		10.8	10.0	8.4	30.0
2-Chlorotoluene	Ave	1.613	1.745		10.8	10.0	8.2	30.0
1,3,5-Trimethylbenzene	Ave	1.632	1.704		10.4	10.0	4.4	30.0
Alpha Methyl Styrene	Ave	0.7442	0.8066		10.8	10.0	8.4	30.0
tert-Butylbenzene	Ave	1.584	1.620		10.2	10.0	2.3	30.0
1,2,4-Trimethylbenzene	Ave	1.601	1.725		10.8	10.0	7.7	30.0
sec-Butylbenzene	Ave	2.383	2.589		10.9	10.0	8.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41208-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-124054/5 Calibration Date: 12/05/2017 15:03
 Instrument ID: CHW.i Calib Start Date: 11/08/2017 17:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/09/2017 01:23
 Lab File ID: 28186-05.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.944	2.095		10.8	10.0	7.7	30.0
1,3-Dichlorobenzene	Ave	0.9769	1.026		10.5	10.0	5.0	30.0
1,4-Dichlorobenzene	Ave	0.9222	0.9855		10.7	10.0	6.9	30.0
Benzyl chloride	Ave	1.081	1.276		11.8	10.0	18.0	30.0
n-Butylbenzene	Ave	1.668	2.053		12.3	10.0	23.1	30.0
n-Undecane	Ave	0.9702	1.190		12.3	10.0	22.7	30.0
1,2-Dichlorobenzene	Ave	0.9426	0.9779		10.4	10.0	3.7	30.0
n-Dodecane	Ave	0.7310	0.8451		11.6	10.0	15.6	30.0
1,2,4-Trichlorobenzene	Ave	0.4266	0.4065		9.53	10.0	-4.7	30.0
Hexachlorobutadiene	Ave	0.6030	0.5499		9.12	10.0	-8.8	30.0
Naphthalene	Ave	0.8716	0.8254		9.47	10.0	-5.3	30.0
1,2,3-Trichlorobenzene	Ave	0.3574	0.3455		9.66	10.0	-3.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41261-1
 SDG No.: _____
 Lab Sample ID: ICV 200-122990/24 Calibration Date: 11/07/2017 12:25
 Instrument ID: CHB.i Calib Start Date: 11/06/2017 17:59
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/07/2017 01:49
 Lab File ID: 27754-24.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5800	0.5815		10.0	10.0	0.3	30.0
Dichlorodifluoromethane	Ave	2.215	2.251		10.2	10.0	1.6	30.0
Freon 22	Ave	1.259	1.250		9.92	10.0	-0.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.326	2.388		10.3	10.0	2.7	30.0
Chloromethane	Ave	0.7900	0.7995		10.1	10.0	1.2	30.0
n-Butane	Ave	1.365	1.333		9.77	10.0	-2.3	30.0
Vinyl chloride	Ave	0.9520	1.007		10.6	10.0	5.8	30.0
1,3-Butadiene	Ave	0.6974	0.7368		10.6	10.0	5.6	30.0
Bromomethane	Ave	0.9801	1.036		10.6	10.0	5.7	30.0
Chloroethane	Ave	0.5888	0.6094		10.3	10.0	3.5	30.0
Isopentane	Ave	1.241	1.218		9.82	10.0	-1.8	30.0
Bromoethene (Vinyl Bromide)	Ave	0.999	1.071		10.7	10.0	7.2	30.0
Trichlorofluoromethane	Ave	2.364	2.412		10.2	10.0	2.0	30.0
n-Pentane	Ave	1.886	1.883		9.98	10.0	-0.2	30.0
Ethanol	Ave	0.5169	0.5150		14.9	15.0	-0.4	30.0
Ethyl ether	Ave	0.7268	0.7584		10.4	10.0	4.3	30.0
Acrolein	Ave	0.3358	0.3430		10.2	10.0	2.1	30.0
Freon TF	Ave	1.986	2.050		10.3	10.0	3.2	30.0
1,1-Dichloroethene	Ave	0.9944	1.018		10.2	10.0	2.4	30.0
Acetone	Ave	1.485	1.509		10.2	10.0	1.6	30.0
Isopropyl alcohol	Ave	1.668	1.790		10.7	10.0	7.3	30.0
Carbon disulfide	Ave	2.787	2.912		10.4	10.0	4.5	30.0
3-Chloropropene	Ave	1.388	1.401		10.1	10.0	1.0	30.0
Acetonitrile	Ave	0.8571	0.8775		10.2	10.0	2.4	30.0
Methylene Chloride	Ave	1.191	1.219		10.2	10.0	2.3	30.0
tert-Butyl alcohol	Ave	2.175	2.328		10.7	10.0	7.0	30.0
Methyl tert-butyl ether	Ave	2.963	3.038		10.3	10.0	2.5	30.0
trans-1,2-Dichloroethene	Ave	1.509	1.559		10.3	10.0	3.3	30.0
Acrylonitrile	Ave	0.7960	0.8388		10.5	10.0	5.4	30.0
n-Hexane	Ave	1.815	1.770		9.75	10.0	-2.5	30.0
1,1-Dichloroethane	Ave	2.017	2.053		10.2	10.0	1.8	30.0
Vinyl acetate	Ave	2.777	2.835		10.2	10.0	2.1	30.0
Methyl Ethyl Ketone	Ave	0.5853	0.5933		10.1	10.0	1.4	30.0
Ethyl acetate	Ave	0.0966	0.0985		10.2	10.0	1.9	30.0
cis-1,2-Dichloroethene	Ave	1.149	1.208		10.5	10.0	5.1	30.0
Tetrahydrofuran	Ave	0.2669	0.2757		10.3	10.0	3.3	30.0
Chloroform	Ave	2.155	2.195		10.2	10.0	1.9	30.0
1,1,1-Trichloroethane	Ave	0.4188	0.4265		10.2	10.0	1.9	30.0
Cyclohexane	Ave	0.3149	0.3275		10.4	10.0	4.0	30.0
Carbon tetrachloride	Ave	0.3970	0.4311		10.9	10.0	8.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41261-1

SDG No.: _____

Lab Sample ID: ICV 200-122990/24 Calibration Date: 11/07/2017 12:25

Instrument ID: CHB.i Calib Start Date: 11/06/2017 17:59

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/07/2017 01:49

Lab File ID: 27754-24.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.192	1.240		10.4	10.0	4.0	30.0
Benzene	Ave	0.7354	0.7379		10.0	10.0	0.3	30.0
1,2-Dichloroethane	Ave	0.2620	0.2674		10.2	10.0	2.1	30.0
n-Heptane	Ave	0.4559	0.4543		9.96	10.0	-0.4	30.0
n-Butanol	Ave	0.1423	0.1542		10.8	10.0	8.4	30.0
Trichloroethene	Ave	0.2935	0.3111		10.6	10.0	6.0	30.0
1,2-Dichloropropane	Ave	0.2830	0.2979		10.5	10.0	5.2	30.0
Methyl methacrylate	Ave	0.2636	0.2759		10.5	10.0	4.7	30.0
1,4-Dioxane	Ave	0.1397	0.1530		10.9	10.0	9.5	30.0
Dibromomethane	Ave	0.2919	0.3009		10.3	10.0	3.1	30.0
Bromodichloromethane	Ave	0.4943	0.5055		10.2	10.0	2.3	30.0
cis-1,3-Dichloropropene	Ave	0.3995	0.4197		10.5	10.0	5.1	30.0
methyl isobutyl ketone	Ave	0.5596	0.5784		10.3	10.0	3.4	30.0
n-Octane	Ave	0.6425	0.6544		10.2	10.0	1.9	30.0
Toluene	Ave	0.5976	0.6048		10.1	10.0	1.2	30.0
trans-1,3-Dichloropropene	Ave	0.3818	0.4062		10.6	10.0	6.4	30.0
1,1,2-Trichloroethane	Ave	0.2946	0.3039		10.3	10.0	3.1	30.0
Tetrachloroethene	Ave	0.4735	0.4935		10.4	10.0	4.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5965	0.6137		10.3	10.0	2.9	30.0
Dibromochloromethane	Ave	0.5620	0.5816		10.3	10.0	3.5	30.0
1,2-Dibromoethane	Ave	0.5221	0.5475		10.5	10.0	4.9	30.0
Chlorobenzene	Ave	0.7969	0.8218		10.3	10.0	3.1	30.0
Ethylbenzene	Ave	1.309	1.339		10.2	10.0	2.3	30.0
n-Nonane	Ave	0.6705	0.6922		10.3	10.0	3.2	30.0
m,p-Xylene	Ave	0.5157	0.5346		20.7	20.0	3.6	30.0
Xylene, o-	Ave	0.5131	0.5303		10.3	10.0	3.4	30.0
Styrene	Ave	0.7731	0.8241		10.7	10.0	6.6	30.0
Bromoform	Ave	0.5185	0.5271		10.2	10.0	1.7	30.0
Cumene	Ave	1.450	1.508		10.4	10.0	3.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7887	0.8311		10.5	10.0	5.4	30.0
n-Propylbenzene	Ave	1.787	1.878		10.5	10.0	5.1	30.0
1,2,3-Trichloropropane	Ave	0.6030	0.6260		10.4	10.0	3.8	30.0
n-Decane	Ave	0.8496	0.9065		10.7	10.0	6.7	30.0
4-Ethyltoluene	Ave	1.422	1.504		10.6	10.0	5.8	30.0
2-Chlorotoluene	Ave	1.184	1.234		10.4	10.0	4.3	30.0
1,3,5-Trimethylbenzene	Ave	1.176	1.249		10.6	10.0	6.3	30.0
Alpha Methyl Styrene	Ave	0.5757	0.6391		11.1	10.0	11.0	30.0
tert-Butylbenzene	Ave	1.137	1.210		10.6	10.0	6.4	30.0
1,2,4-Trimethylbenzene	Ave	1.161	1.249		10.7	10.0	7.5	30.0
sec-Butylbenzene	Ave	1.765	1.889		10.7	10.0	7.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41261-1
 SDG No.: _____
 Lab Sample ID: ICV 200-122990/24 Calibration Date: 11/07/2017 12:25
 Instrument ID: CHB.i Calib Start Date: 11/06/2017 17:59
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/07/2017 01:49
 Lab File ID: 27754-24.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.451	1.568		10.8	10.0	8.1	30.0
1,3-Dichlorobenzene	Ave	0.7721	0.8439		10.9	10.0	9.3	30.0
1,4-Dichlorobenzene	Ave	0.7549	0.8327		11.0	10.0	10.3	30.0
Benzyl chloride	Ave	0.8629	0.995		11.5	10.0	15.3	30.0
n-Undecane	Ave	0.9240	0.9552		10.3	10.0	3.4	30.0
n-Butylbenzene	Ave	1.332	1.435		10.8	10.0	7.7	30.0
1,2-Dichlorobenzene	Ave	0.7259	0.7846		10.8	10.0	8.1	30.0
n-Dodecane	Ave	0.7144	0.7809		10.9	10.0	9.3	30.0
1,2,4-Trichlorobenzene	Ave	0.4507	0.4350		9.65	10.0	-3.5	30.0
Hexachlorobutadiene	Ave	0.4744	0.4570		9.63	10.0	-3.7	30.0
Naphthalene	Ave	0.9521	0.8915		9.36	10.0	-6.4	30.0
1,2,3-Trichlorobenzene	Ave	0.3907	0.3818		9.77	10.0	-2.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41261-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-124339/2 Calibration Date: 12/12/2017 11:49
 Instrument ID: CHB.i Calib Start Date: 11/06/2017 17:59
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/07/2017 01:49
 Lab File ID: 28309-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5800	0.6797		11.7	10.0	17.2	30.0
Dichlorodifluoromethane	Ave	2.215	2.239		10.1	10.0	1.1	30.0
Freon 22	Ave	1.259	1.394		11.1	10.0	10.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.326	2.709		11.6	10.0	16.5	30.0
Chloromethane	Ave	0.7900	0.8935		11.3	10.0	13.1	30.0
n-Butane	Ave	1.365	1.554		11.4	10.0	13.8	30.0
Vinyl chloride	Ave	0.9520	1.062		11.2	10.0	11.5	30.0
1,3-Butadiene	Ave	0.6974	0.7940		11.4	10.0	13.9	30.0
Bromomethane	Ave	0.9801	0.9908		10.1	10.0	1.1	30.0
Chloroethane	Ave	0.5888	0.6148		10.4	10.0	4.4	30.0
Isopentane	Ave	1.241	1.452		11.7	10.0	17.0	30.0
Bromoethene (Vinyl Bromide)	Ave	0.999	1.003		10.0	10.0	0.3	30.0
Trichlorofluoromethane	Ave	2.364	2.259		9.56	10.0	-4.4	30.0
n-Pentane	Ave	1.886	2.260		12.0	10.0	19.8	30.0
Ethanol	Ave	0.5169	0.4708		13.7	15.0	-8.9	30.0
Ethyl ether	Ave	0.7268	0.8440		11.6	10.0	16.1	30.0
Acrolein	Ave	0.3358	0.4471		13.3	10.0	33.1*	30.0
Freon TF	Ave	1.986	1.915		9.64	10.0	-3.6	30.0
1,1-Dichloroethene	Ave	0.9944	0.9505		9.56	10.0	-4.4	30.0
Acetone	Ave	1.485	1.634		11.0	10.0	10.1	30.0
Isopropyl alcohol	Ave	1.668	1.692		10.1	10.0	1.4	30.0
Carbon disulfide	Ave	2.787	3.239		11.6	10.0	16.2	30.0
3-Chloropropene	Ave	1.388	1.431		10.3	10.0	3.1	30.0
Acetonitrile	Ave	0.8571	1.044		12.2	10.0	21.8	30.0
Methylene Chloride	Ave	1.191	1.251		10.5	10.0	5.0	30.0
tert-Butyl alcohol	Ave	2.175	2.179		10.0	10.0	0.2	30.0
Methyl tert-butyl ether	Ave	2.963	2.934		9.90	10.0	-1.0	30.0
trans-1,2-Dichloroethene	Ave	1.509	1.643		10.9	10.0	8.9	30.0
Acrylonitrile	Ave	0.7960	0.8973		11.3	10.0	12.7	30.0
n-Hexane	Ave	1.815	1.942		10.7	10.0	7.0	30.0
1,1-Dichloroethane	Ave	2.017	2.049		10.2	10.0	1.6	30.0
Vinyl acetate	Ave	2.777	3.164		11.4	10.0	14.0	30.0
Methyl Ethyl Ketone	Ave	0.5853	0.5938		10.1	10.0	1.5	30.0
cis-1,2-Dichloroethene	Ave	1.149	1.111		9.67	10.0	-3.3	30.0
Ethyl acetate	Ave	0.0966	0.1022		10.6	10.0	5.8	30.0
Tetrahydrofuran	Ave	0.2669	0.2965		11.1	10.0	11.1	30.0
Chloroform	Ave	2.155	2.086		9.68	10.0	-3.2	30.0
1,1,1-Trichloroethane	Ave	0.4188	0.3958		9.45	10.0	-5.5	30.0
Cyclohexane	Ave	0.3149	0.3145		9.99	10.0	-0.1	30.0
Carbon tetrachloride	Ave	0.3970	0.3877		9.77	10.0	-2.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41261-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-124339/2 Calibration Date: 12/12/2017 11:49
 Instrument ID: CHB.i Calib Start Date: 11/06/2017 17:59
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/07/2017 01:49
 Lab File ID: 28309-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.192	1.233		10.3	10.0	3.4	30.0
Benzene	Ave	0.7354	0.7074		9.62	10.0	-3.8	30.0
1,2-Dichloroethane	Ave	0.2620	0.2598		9.92	10.0	-0.8	30.0
n-Heptane	Ave	0.4559	0.4728		10.4	10.0	3.7	30.0
n-Butanol	Ave	0.1423	0.1681		11.8	10.0	18.1	30.0
Trichloroethene	Ave	0.2935	0.2855		9.72	10.0	-2.8	30.0
1,2-Dichloropropane	Ave	0.2830	0.2874		10.2	10.0	1.6	30.0
Methyl methacrylate	Ave	0.2636	0.2739		10.4	10.0	3.9	30.0
1,4-Dioxane	Ave	0.1397	0.1330		9.52	10.0	-4.8	30.0
Dibromomethane	Ave	0.2919	0.2511		8.60	10.0	-14.0	30.0
Bromodichloromethane	Ave	0.4943	0.4651		9.41	10.0	-5.9	30.0
cis-1,3-Dichloropropene	Ave	0.3995	0.3982		9.97	10.0	-0.3	30.0
methyl isobutyl ketone	Ave	0.5596	0.5866		10.5	10.0	4.8	30.0
n-Octane	Ave	0.6425	0.6799		10.6	10.0	5.8	30.0
Toluene	Ave	0.5976	0.5648		9.45	10.0	-5.5	30.0
trans-1,3-Dichloropropene	Ave	0.3818	0.3796		9.94	10.0	-0.6	30.0
1,1,2-Trichloroethane	Ave	0.2946	0.2903		9.85	10.0	-1.5	30.0
Tetrachloroethene	Ave	0.4735	0.4260		9.00	10.0	-10.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5965	0.6333		10.6	10.0	6.2	30.0
Dibromochloromethane	Ave	0.5620	0.4945		8.80	10.0	-12.0	30.0
1,2-Dibromoethane	Ave	0.5221	0.4945		9.47	10.0	-5.3	30.0
Chlorobenzene	Ave	0.7969	0.7400		9.28	10.0	-7.2	30.0
Ethylbenzene	Ave	1.309	1.228		9.38	10.0	-6.2	30.0
n-Nonane	Ave	0.6705	0.6928		10.3	10.0	3.3	30.0
m,p-Xylene	Ave	0.5157	0.4789		18.6	20.0	-7.1	30.0
Xylene, o-	Ave	0.5131	0.4643		9.05	10.0	-9.5	30.0
Styrene	Ave	0.7731	0.7254		9.38	10.0	-6.2	30.0
Bromoform	Ave	0.5185	0.4383		8.45	10.0	-15.5	30.0
Cumene	Ave	1.450	1.320		9.10	10.0	-9.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7887	0.7731		9.80	10.0	-2.0	30.0
n-Propylbenzene	Ave	1.787	1.684		9.42	10.0	-5.8	30.0
1,2,3-Trichloropropane	Ave	0.6030	0.5769		9.56	10.0	-4.3	30.0
n-Decane	Ave	0.8496	0.8762		10.3	10.0	3.1	30.0
4-Ethyltoluene	Ave	1.422	1.347		9.47	10.0	-5.3	30.0
2-Chlorotoluene	Ave	1.184	1.095		9.25	10.0	-7.5	30.0
1,3,5-Trimethylbenzene	Ave	1.176	1.093		9.30	10.0	-7.0	30.0
Alpha Methyl Styrene	Ave	0.5757	0.5460		9.48	10.0	-5.2	30.0
tert-Butylbenzene	Ave	1.137	1.022		8.98	10.0	-10.2	30.0
1,2,4-Trimethylbenzene	Ave	1.161	1.080		9.30	10.0	-7.0	30.0
sec-Butylbenzene	Ave	1.765	1.621		9.18	10.0	-8.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-41261-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-124339/2 Calibration Date: 12/12/2017 11:49
 Instrument ID: CHB.i Calib Start Date: 11/06/2017 17:59
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 11/07/2017 01:49
 Lab File ID: 28309-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.451	1.311		9.03	10.0	-9.7	30.0
1,3-Dichlorobenzene	Ave	0.7721	0.6978		9.04	10.0	-9.6	30.0
1,4-Dichlorobenzene	Ave	0.7549	0.6758		8.95	10.0	-10.5	30.0
Benzyl chloride	Ave	0.8629	0.8114		9.40	10.0	-6.0	30.0
n-Undecane	Ave	0.9240	0.9339		10.1	10.0	1.1	30.0
n-Butylbenzene	Ave	1.332	1.229		9.22	10.0	-7.7	30.0
1,2-Dichlorobenzene	Ave	0.7259	0.6496		8.95	10.0	-10.5	30.0
n-Dodecane	Ave	0.7144	0.7980		11.2	10.0	11.7	30.0
1,2,4-Trichlorobenzene	Ave	0.4507	0.3513		7.79	10.0	-22.1	30.0
Hexachlorobutadiene	Ave	0.4744	0.3894		8.21	10.0	-17.9	30.0
Naphthalene	Ave	0.9521	0.7119		7.48	10.0	-25.2	30.0
1,2,3-Trichlorobenzene	Ave	0.3907	0.3123		7.99	10.0	-20.1	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-41208-1

SDG No.: _____

Instrument ID: CHW.iStart Date: 11/08/2017 14:54Analysis Batch Number: 123127End Date: 11/09/2017 07:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-123127/1		11/08/2017 14:54	1	27803-01.d	RTX-624 0.32 (mm)
VIBLK 200-123127/2		11/08/2017 15:47	1		RTX-624 0.32 (mm)
VIBLK 200-123127/3		11/08/2017 16:39	1		RTX-624 0.32 (mm)
IC 200-123127/4		11/08/2017 17:28	1	27803-04.d	RTX-624 0.32 (mm)
IC 200-123127/5		11/08/2017 18:20	1	27803-05.d	RTX-624 0.32 (mm)
ZZZZZ		11/08/2017 19:13	1		RTX-624 0.32 (mm)
ZZZZZ		11/08/2017 20:06	1		RTX-624 0.32 (mm)
IC 200-123127/8		11/08/2017 20:59	1	27803-08.d	RTX-624 0.32 (mm)
IC 200-123127/9		11/08/2017 21:52	1	27803-09.d	RTX-624 0.32 (mm)
ICIS 200-123127/10		11/08/2017 22:44	1	27803-10.d	RTX-624 0.32 (mm)
IC 200-123127/11		11/08/2017 23:37	1	27803-11.d	RTX-624 0.32 (mm)
IC 200-123127/12		11/09/2017 00:30	1	27803-12.d	RTX-624 0.32 (mm)
IC 200-123127/13		11/09/2017 01:23	1	27803-13.d	RTX-624 0.32 (mm)
VIBLK 200-123127/14		11/09/2017 02:16	1		RTX-624 0.32 (mm)
VIBLK 200-123127/15		11/09/2017 03:09	1		RTX-624 0.32 (mm)
VIBLK 200-123127/16		11/09/2017 04:01	1		RTX-624 0.32 (mm)
ICV 200-123127/17		11/09/2017 04:54	1	27803-17.d	RTX-624 0.32 (mm)
ZZZZZ		11/09/2017 05:47	1		RTX-624 0.32 (mm)
ZZZZZ		11/09/2017 06:40	1		RTX-624 0.32 (mm)
VIBLK 200-123127/20		11/09/2017 07:32	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-41208-1

SDG No.: _____

Instrument ID: CHW.i Start Date: 12/05/2017 11:02Analysis Batch Number: 124054 End Date: 12/06/2017 05:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-124054/1		12/05/2017 11:02	1	28186-01.d	RTX-624 0.32 (mm)
ZZZZZ		12/05/2017 12:25	1		RTX-624 0.32 (mm)
ZZZZZ		12/05/2017 13:17	1		RTX-624 0.32 (mm)
ZZZZZ		12/05/2017 14:10	1		RTX-624 0.32 (mm)
CCVIS 200-124054/5		12/05/2017 15:03	1	28186-05.d	RTX-624 0.32 (mm)
LCS 200-124054/6		12/05/2017 15:56	1	28186-06.d	RTX-624 0.32 (mm)
MB 200-124054/7		12/05/2017 16:49	1	28186-07.d	RTX-624 0.32 (mm)
ZZZZZ		12/05/2017 17:40	2		RTX-624 0.32 (mm)
CCV 200-124054/9		12/05/2017 18:33	1		RTX-624 0.32 (mm)
CCV 200-124054/10		12/05/2017 19:25	1		RTX-624 0.32 (mm)
ZZZZZ		12/05/2017 20:35	0.2		RTX-624 0.32 (mm)
200-41208-5		12/05/2017 21:45	0.2	28186-12.d	RTX-624 0.32 (mm)
ZZZZZ		12/05/2017 22:55	0.2		RTX-624 0.32 (mm)
ZZZZZ		12/06/2017 00:05	0.2		RTX-624 0.32 (mm)
ZZZZZ		12/06/2017 01:14	0.2		RTX-624 0.32 (mm)
ZZZZZ		12/06/2017 03:34	0.2		RTX-624 0.32 (mm)
ZZZZZ		12/06/2017 04:44	0.2		RTX-624 0.32 (mm)
ZZZZZ		12/06/2017 05:36	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-41261-1

SDG No.: _____

Instrument ID: CHB.iStart Date: 11/06/2017 15:25Analysis Batch Number: 122990End Date: 11/07/2017 12:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-122990/1		11/06/2017 15:25	1	27754-01.D	RTX-624 0.32 (mm)
VIBLK 200-122990/2		11/06/2017 16:14	1		RTX-624 0.32 (mm)
VIBLK 200-122990/3		11/06/2017 17:07	1		RTX-624 0.32 (mm)
IC 200-122990/4		11/06/2017 17:59	1	27754-04.D	RTX-624 0.32 (mm)
IC 200-122990/5		11/06/2017 18:52	1	27754-05.D	RTX-624 0.32 (mm)
ZZZZZ		11/06/2017 19:44	1		RTX-624 0.32 (mm)
IC 200-122990/7		11/06/2017 20:36	1	27754-07.D	RTX-624 0.32 (mm)
ZZZZZ		11/06/2017 21:28	1		RTX-624 0.32 (mm)
IC 200-122990/9		11/06/2017 22:20	1	27754-09.D	RTX-624 0.32 (mm)
ICIS 200-122990/10		11/06/2017 23:12	1	27754-10.D	RTX-624 0.32 (mm)
IC 200-122990/11		11/07/2017 00:05	1	27754-11.D	RTX-624 0.32 (mm)
IC 200-122990/12		11/07/2017 00:57	1	27754-12.D	RTX-624 0.32 (mm)
IC 200-122990/13		11/07/2017 01:49	1	27754-13.D	RTX-624 0.32 (mm)
VIBLK 200-122990/14		11/07/2017 02:41	1		RTX-624 0.32 (mm)
VIBLK 200-122990/15		11/07/2017 03:33	1		RTX-624 0.32 (mm)
VIBLK 200-122990/16		11/07/2017 04:25	1		RTX-624 0.32 (mm)
ZZZZZ		11/07/2017 05:17	1		RTX-624 0.32 (mm)
ZZZZZ		11/07/2017 06:09	1		RTX-624 0.32 (mm)
ZZZZZ		11/07/2017 07:01	1		RTX-624 0.32 (mm)
VIBLK 200-122990/20		11/07/2017 07:54	1		RTX-624 0.32 (mm)
VIBLK 200-122990/21		11/07/2017 09:51	1		RTX-624 0.32 (mm)
VIBLK 200-122990/22		11/07/2017 10:41	1		RTX-624 0.32 (mm)
VIBLK 200-122990/23		11/07/2017 11:33	1		RTX-624 0.32 (mm)
ICV 200-122990/24		11/07/2017 12:25	1	27754-24.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-41261-1

SDG No.: _____

Instrument ID: CHB.iStart Date: 12/12/2017 10:54Analysis Batch Number: 124339End Date: 12/13/2017 10:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-124339/1		12/12/2017 10:54	1	28309-01.D	RTX-624 0.32 (mm)
CCVIS 200-124339/2		12/12/2017 11:49	1	28309-02.D	RTX-624 0.32 (mm)
LCS 200-124339/3		12/12/2017 12:41	1	28309-03.D	RTX-624 0.32 (mm)
MB 200-124339/4		12/12/2017 13:33	1	28309-04.D	RTX-624 0.32 (mm)
ZZZZZ		12/12/2017 14:26	4		RTX-624 0.32 (mm)
ZZZZZ		12/12/2017 15:18	1		RTX-624 0.32 (mm)
ZZZZZ		12/12/2017 16:11	2		RTX-624 0.32 (mm)
ZZZZZ		12/12/2017 17:04	2		RTX-624 0.32 (mm)
ZZZZZ		12/12/2017 17:56	1		RTX-624 0.32 (mm)
ZZZZZ		12/12/2017 18:50	1		RTX-624 0.32 (mm)
ZZZZZ		12/12/2017 19:42	1		RTX-624 0.32 (mm)
ZZZZZ		12/12/2017 20:34	1		RTX-624 0.32 (mm)
ZZZZZ		12/12/2017 21:27	1		RTX-624 0.32 (mm)
ZZZZZ		12/12/2017 22:19	1		RTX-624 0.32 (mm)
ZZZZZ		12/12/2017 23:11	1		RTX-624 0.32 (mm)
ZZZZZ		12/13/2017 00:04	1		RTX-624 0.32 (mm)
ZZZZZ		12/13/2017 00:56	1		RTX-624 0.32 (mm)
ZZZZZ		12/13/2017 01:49	1		RTX-624 0.32 (mm)
ZZZZZ		12/13/2017 02:41	1		RTX-624 0.32 (mm)
ZZZZZ		12/13/2017 03:34	1		RTX-624 0.32 (mm)
ZZZZZ		12/13/2017 04:26	1		RTX-624 0.32 (mm)
ZZZZZ		12/13/2017 05:18	1		RTX-624 0.32 (mm)
ZZZZZ		12/13/2017 06:10	1		RTX-624 0.32 (mm)
ZZZZZ		12/13/2017 07:03	1		RTX-624 0.32 (mm)
200-41261-4		12/13/2017 08:05	0.2	28309-25.D	RTX-624 0.32 (mm)
ZZZZZ		12/13/2017 10:07	6.06		RTX-624 0.32 (mm)

Shipping and Receiving Documents

ORIGIN ID:DKKA (716) 691-2600
CHAR BRONSON
TEST AMERICA
10 HAZELWOOD

AMHERST, NY 14228
UNITED STATES US

TO **SAMPLE MGT.**

TA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11

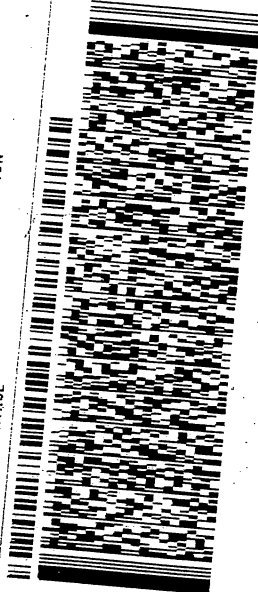
SOUTH BURLINGTON VT 05403
(802) 660-1990
DEPT: SAMPLE CONTROL

REF: BURLINGTON

SHIP DATE: 11JAN18
ACTWGT: 13.05 LB
CAD: 8466547CAFE3108

BILL RECIPIENT

FedEx
Express

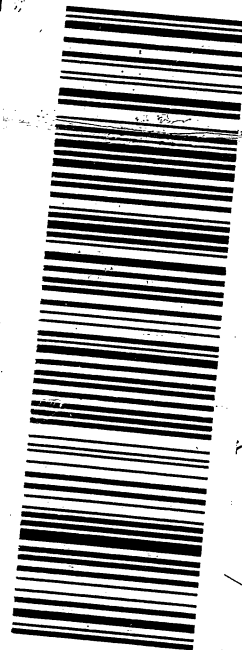


FRI - 12 JAN 3:00P
STANDARD OVERNIGHT

TRK# **5657 0123 6952**
0201

NC BTVA

05403
VT-US BTV



Part # 156148-434 RIT EXP 09/18

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 200-41804-1

Login Number: 41804

List Number: 1

Creator: Hahl, Victoria L

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	022965
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	Thermal preservation not required.
Cooler Temperature is recorded.	N/A	
COC is present.	True	Dino Zach
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 containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	No analysis requiring residual chlorine check assigned.
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.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 200-41804-1

Login Number: 41804

List Source: TestAmerica Burlington

List Number: 2

Creator: Hahl, Victoria L

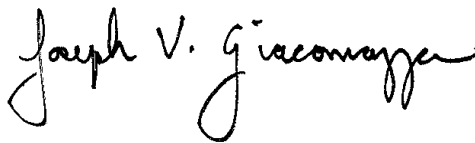
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background		
The cooler's custody seal, if present, is intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.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

ANALYTICAL REPORT

Job Number: 480-129995-1

Job Description: Scott Figgie West of Plant 2

For:
AECOM, Inc.
257 West Genesee Street
Suite 400
Buffalo, NY 14202-2657
Attention: Mr. Dino Zack



Approved for release.
Joe V Giacomazza
Project Management Assistant II
1/22/2018 3:22 PM

Designee for
Brian J Fischer, Manager of Project Management
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9835
brian.fischer@testamericainc.com
01/22/2018

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

TestAmerica Laboratories, Inc.

TestAmerica Buffalo 10 Hazelwood Drive, Amherst, NY 14228-2298
Tel (716) 691-2600 Fax (716) 691-7991 www.testamericainc.com



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Job Narrative
480-129995-1

Comments

No additional comments.

Receipt

The samples were received on 1/11/2018 12:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° C.

GC/MS VOA

Method(s) 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone(MEK) in the full spike solution, 2-Butanone(MEK) exceeded control limits in the laboratory control sample (LCS) associated with batch 480-395851. The following sample was affected : MW-13D (480-129995-12).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-395765 recovered outside acceptance criteria, low biased, for 2-Hexanone and 4-Methyl-2-pentanone (MIBK). A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported. The following samples are impacted: MW-2 (480-129995-1), MW-4 (480-129995-3), MW-6 (480-129995-4), MW-10 (480-129995-5), MW-11 (480-129995-6), MW-16D (480-129995-10), GWCT (480-129995-13) and Trip Blank (480-129995-20).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-4 (480-129995-3), (480-129995-A-3 MS) and (480-129995-A-3 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) associated with batch 480-395914. The following samples were affected : MW-4 (480-129995-3), MW-16S (480-129995-7), Duplicate (480-129995-8), MW-16D (480-129995-10) and MW-13S (480-129995-11).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-4 (480-129995-3), MW-16S (480-129995-7), MW-16D (480-129995-10), MW-13S (480-129995-11), (480-129995-B-7 MS) and (480-129995-B-7 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: DPT-4 (480-129995-16). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: DPT-5 (480-129995-17), DPT-7 (480-129995-18), DPT-8 (480-129995-19), (480-129995-B-19 MS) and (480-129995-B-19 MSD). Elevated reporting limits (RLs) are provided.

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

Definitions/Glossary

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
*	LCS or LCSD is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

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

Sample Summary

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-129995-1	MW-2	Ground Water	01/08/18 11:15	01/11/18 12:10
480-129995-2	MW-3	Water	01/10/18 10:15	01/11/18 12:10
480-129995-3	MW-4	Water	01/08/18 12:25	01/11/18 12:10
480-129995-4	MW-6	Water	01/08/18 09:35	01/11/18 12:10
480-129995-5	MW-10	Water	01/08/18 11:05	01/11/18 12:10
480-129995-6	MW-11	Water	01/08/18 15:50	01/11/18 12:10
480-129995-7	MW-16S	Water	01/09/18 13:25	01/11/18 12:10
480-129995-8	Duplicate	Water	01/08/18 07:15	01/11/18 12:10
480-129995-9	Rinse Blank	Water	01/11/18 08:30	01/11/18 12:10
480-129995-10	MW-16D	Ground Water	01/08/18 12:35	01/11/18 12:10
480-129995-11	MW-13S	Ground Water	01/09/18 15:25	01/11/18 12:10
480-129995-12	MW-13D	Ground Water	01/09/18 14:10	01/11/18 12:10
480-129995-13	GWCT	Water	01/08/18 11:30	01/11/18 12:10
480-129995-14	DPT-1	Water	01/10/18 12:30	01/11/18 12:10
480-129995-15	DPT-2	Water	01/10/18 10:50	01/11/18 12:10
480-129995-16	DPT-4	Water	01/10/18 11:15	01/11/18 12:10
480-129995-17	DPT-5	Water	01/10/18 12:00	01/11/18 12:10
480-129995-18	DPT-7	Water	01/10/18 11:25	01/11/18 12:10
480-129995-19	DPT-8	Water	01/10/18 11:40	01/11/18 12:10
480-129995-20	Trip Blank	Water	01/08/18 07:00	01/11/18 12:10

Detection Summary

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-2

Lab Sample ID: 480-129995-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	1.3		1.0	0.32	ug/L	1		8260C	Total/NA
Cyclohexane	0.21	J	1.0	0.18	ug/L	1		8260C	Total/NA

Client Sample ID: MW-3

Lab Sample ID: 480-129995-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	12		1.0	0.38	ug/L	1		8260C	Total/NA
Chloroethane	0.72	J	1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.1		1.0	0.81	ug/L	1		8260C	Total/NA
Methylene Chloride	3.3		1.0	0.44	ug/L	1		8260C	Total/NA
Vinyl chloride	11		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW-4

Lab Sample ID: 480-129995-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	8.0		5.0	1.9	ug/L	5		8260C	Total/NA
2-Butanone (MEK)	210		50	6.6	ug/L	5		8260C	Total/NA
Acetone	81		50	15	ug/L	5		8260C	Total/NA
Benzene	3.8	J	5.0	2.1	ug/L	5		8260C	Total/NA
Chloroethane	660	E	5.0	1.6	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	6.0		5.0	4.1	ug/L	5		8260C	Total/NA
Toluene	11		5.0	2.6	ug/L	5		8260C	Total/NA
trans-1,2-Dichloroethene	16		5.0	4.5	ug/L	5		8260C	Total/NA
Vinyl chloride	46		5.0	4.5	ug/L	5		8260C	Total/NA
1,1-Dichloroethane - DL	8.5	J	10	3.8	ug/L	10		8260C	Total/NA
2-Butanone (MEK) - DL	270	*	100	13	ug/L	10		8260C	Total/NA
Acetone - DL	100		100	30	ug/L	10		8260C	Total/NA
Benzene - DL	4.1	J	10	4.1	ug/L	10		8260C	Total/NA
Chloroethane - DL	490		10	3.2	ug/L	10		8260C	Total/NA
Methylene Chloride - DL	15		10	4.4	ug/L	10		8260C	Total/NA
Toluene - DL	16		10	5.1	ug/L	10		8260C	Total/NA
trans-1,2-Dichloroethene - DL	16		10	9.0	ug/L	10		8260C	Total/NA
Vinyl chloride - DL	37		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: MW-6

Lab Sample ID: 480-129995-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	5.2	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	5.4	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: MW-10

Lab Sample ID: 480-129995-5

No Detections.

Client Sample ID: MW-11

Lab Sample ID: 480-129995-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.99	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.4		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	2.1		1.0	0.90	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-16S

Lab Sample ID: 480-129995-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	1800		1000	320	ug/L	1000		8260C	Total/NA
cis-1,2-Dichloroethene	9600		1000	810	ug/L	1000		8260C	Total/NA
Methylene Chloride	780	J	1000	440	ug/L	1000		8260C	Total/NA
Toluene	550	J	1000	510	ug/L	1000		8260C	Total/NA
Vinyl chloride	54000	F1	1000	900	ug/L	1000		8260C	Total/NA

Client Sample ID: Duplicate

Lab Sample ID: 480-129995-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.4	J	10	3.0	ug/L	1		8260C	Total/NA
Methylene Chloride	2.8		1.0	0.44	ug/L	1		8260C	Total/NA

Client Sample ID: Rinse Blank

Lab Sample ID: 480-129995-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.6		1.0	0.44	ug/L	1		8260C	Total/NA

Client Sample ID: MW-16D

Lab Sample ID: 480-129995-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.1		1.0	0.38	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.21	J	1.0	0.21	ug/L	1		8260C	Total/NA
Chloroethane	160	E	1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	4.1		1.0	0.81	ug/L	1		8260C	Total/NA
Toluene	0.55	J	1.0	0.51	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	0.90	J	1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	9.0		1.0	0.90	ug/L	1		8260C	Total/NA
1,1-Dichloroethane - DL	5.2		4.0	1.5	ug/L	4		8260C	Total/NA
Acetone - DL	19	J	40	12	ug/L	4		8260C	Total/NA
Chloroethane - DL	110		4.0	1.3	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene - DL	4.4		4.0	3.2	ug/L	4		8260C	Total/NA
Methylene Chloride - DL	37		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride - DL	8.3		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: MW-13S

Lab Sample ID: 480-129995-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	140	J	400	120	ug/L	40		8260C	Total/NA
cis-1,2-Dichloroethene	1200		40	32	ug/L	40		8260C	Total/NA
Methylene Chloride	140		40	18	ug/L	40		8260C	Total/NA
Vinyl chloride	440		40	36	ug/L	40		8260C	Total/NA

Client Sample ID: MW-13D

Lab Sample ID: 480-129995-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.73	J	1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	23		10	3.0	ug/L	1		8260C	Total/NA
Chloroethane	9.9		1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.1		1.0	0.81	ug/L	1		8260C	Total/NA
Toluene	0.95	J	1.0	0.51	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-13D (Continued)

Lab Sample ID: 480-129995-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	39		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: GWCT

Lab Sample ID: 480-129995-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	64		1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	5.1		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	7.4		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: DPT-1

Lab Sample ID: 480-129995-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	67		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.98	J	1.0	0.29	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	58		10	1.3	ug/L	1		8260C	Total/NA
2-Hexanone	2.6	J	5.0	1.2	ug/L	1		8260C	Total/NA
4-Methyl-2-pentanone (MIBK)	2.6	J	5.0	2.1	ug/L	1		8260C	Total/NA
Acetone	160		10	3.0	ug/L	1		8260C	Total/NA
Benzene	1.6		1.0	0.41	ug/L	1		8260C	Total/NA
Carbon disulfide	1.0		1.0	0.19	ug/L	1		8260C	Total/NA
Chloroethane	20		1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	58		1.0	0.81	ug/L	1		8260C	Total/NA
Ethylbenzene	2.3		1.0	0.74	ug/L	1		8260C	Total/NA
Toluene	14		1.0	0.51	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.0		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	10		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	15		1.0	0.90	ug/L	1		8260C	Total/NA
Xylenes, Total	6.9		2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: DPT-2

Lab Sample ID: 480-129995-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	11		1.0	0.32	ug/L	1		8260C	Total/NA
Methylene Chloride	5.2		1.0	0.44	ug/L	1		8260C	Total/NA
Vinyl chloride	1.7		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: DPT-4

Lab Sample ID: 480-129995-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	190	J	500	150	ug/L	50		8260C	Total/NA
cis-1,2-Dichloroethene	2100		50	41	ug/L	50		8260C	Total/NA
Methylene Chloride	320		50	22	ug/L	50		8260C	Total/NA
Trichloroethene	47	J	50	23	ug/L	50		8260C	Total/NA
Vinyl chloride	430		50	45	ug/L	50		8260C	Total/NA

Client Sample ID: DPT-5

Lab Sample ID: 480-129995-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	66		10	3.8	ug/L	10		8260C	Total/NA
2-Butanone (MEK)	21	J	100	13	ug/L	10		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: DPT-5 (Continued)

Lab Sample ID: 480-129995-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	90	J	100	30	ug/L	10		8260C	Total/NA
Carbon disulfide	3.1	J	10	1.9	ug/L	10		8260C	Total/NA
Chloroethane	80		10	3.2	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	480		10	8.1	ug/L	10		8260C	Total/NA
Toluene	9.6	J	10	5.1	ug/L	10		8260C	Total/NA
Trichloroethene	6.7	J	10	4.6	ug/L	10		8260C	Total/NA
Vinyl chloride	250		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: DPT-7

Lab Sample ID: 480-129995-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	340		10	3.2	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	10		10	8.1	ug/L	10		8260C	Total/NA

Client Sample ID: DPT-8

Lab Sample ID: 480-129995-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	50		20	7.6	ug/L	20		8260C	Total/NA
1,1-Dichloroethene	8.2	J	20	5.8	ug/L	20		8260C	Total/NA
Chloroethane	22		20	6.4	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene	540		20	16	ug/L	20		8260C	Total/NA
Trichloroethene	11	J	20	9.2	ug/L	20		8260C	Total/NA
Vinyl chloride	410		20	18	ug/L	20		8260C	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-129995-20

No Detections.

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-2
Date Collected: 01/08/18 11:15
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-1
Matrix: Ground Water

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			01/15/18 14:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/15/18 14:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/15/18 14:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/15/18 14:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/15/18 14:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/15/18 14:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/15/18 14:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/15/18 14:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/15/18 14:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/15/18 14:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/15/18 14:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/15/18 14:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/15/18 14:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/15/18 14:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/15/18 14:25	1
2-Hexanone	ND		5.0	1.2	ug/L			01/15/18 14:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/15/18 14:25	1
Acetone	ND		10	3.0	ug/L			01/15/18 14:25	1
Benzene	ND		1.0	0.41	ug/L			01/15/18 14:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/15/18 14:25	1
Bromoform	ND		1.0	0.26	ug/L			01/15/18 14:25	1
Bromomethane	ND		1.0	0.69	ug/L			01/15/18 14:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/15/18 14:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/15/18 14:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/15/18 14:25	1
Chloroethane	1.3		1.0	0.32	ug/L			01/15/18 14:25	1
Chloroform	ND		1.0	0.34	ug/L			01/15/18 14:25	1
Chloromethane	ND		1.0	0.35	ug/L			01/15/18 14:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/15/18 14:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/15/18 14:25	1
Cyclohexane	0.21	J	1.0	0.18	ug/L			01/15/18 14:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/15/18 14:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/15/18 14:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/15/18 14:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/15/18 14:25	1
Methyl acetate	ND		2.5	1.3	ug/L			01/15/18 14:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/15/18 14:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/15/18 14:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/15/18 14:25	1
Styrene	ND		1.0	0.73	ug/L			01/15/18 14:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/15/18 14:25	1
Toluene	ND		1.0	0.51	ug/L			01/15/18 14:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/15/18 14:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/15/18 14:25	1
Trichloroethene	ND		1.0	0.46	ug/L			01/15/18 14:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/15/18 14:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/15/18 14:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/15/18 14:25	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-2
Date Collected: 01/08/18 11:15
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-1
Matrix: Ground Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		01/15/18 14:25	1
4-Bromofluorobenzene (Surr)	96		73 - 120		01/15/18 14:25	1
Toluene-d8 (Surr)	98		80 - 120		01/15/18 14:25	1
Dibromofluoromethane (Surr)	113		75 - 123		01/15/18 14:25	1

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-3
Date Collected: 01/10/18 10:15
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-2
Matrix: Water

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			01/16/18 15:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/16/18 15:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/16/18 15:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/16/18 15:47	1
1,1-Dichloroethane	12		1.0	0.38	ug/L			01/16/18 15:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/16/18 15:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/16/18 15:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/16/18 15:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/16/18 15:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/16/18 15:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/16/18 15:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/16/18 15:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/16/18 15:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/16/18 15:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/16/18 15:47	1
2-Hexanone	ND		5.0	1.2	ug/L			01/16/18 15:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/16/18 15:47	1
Acetone	ND		10	3.0	ug/L			01/16/18 15:47	1
Benzene	ND		1.0	0.41	ug/L			01/16/18 15:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/16/18 15:47	1
Bromoform	ND		1.0	0.26	ug/L			01/16/18 15:47	1
Bromomethane	ND		1.0	0.69	ug/L			01/16/18 15:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/16/18 15:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/16/18 15:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/16/18 15:47	1
Chloroethane	0.72	J	1.0	0.32	ug/L			01/16/18 15:47	1
Chloroform	ND		1.0	0.34	ug/L			01/16/18 15:47	1
Chloromethane	ND		1.0	0.35	ug/L			01/16/18 15:47	1
cis-1,2-Dichloroethene	3.1		1.0	0.81	ug/L			01/16/18 15:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/16/18 15:47	1
Cyclohexane	ND		1.0	0.18	ug/L			01/16/18 15:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/16/18 15:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/16/18 15:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/16/18 15:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/16/18 15:47	1
Methyl acetate	ND		2.5	1.3	ug/L			01/16/18 15:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/16/18 15:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/16/18 15:47	1
Methylene Chloride	3.3		1.0	0.44	ug/L			01/16/18 15:47	1
Styrene	ND		1.0	0.73	ug/L			01/16/18 15:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/16/18 15:47	1
Toluene	ND		1.0	0.51	ug/L			01/16/18 15:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/16/18 15:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/16/18 15:47	1
Trichloroethene	ND		1.0	0.46	ug/L			01/16/18 15:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/16/18 15:47	1
Vinyl chloride	11		1.0	0.90	ug/L			01/16/18 15:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/16/18 15:47	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-3
Date Collected: 01/10/18 10:15
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-2
Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	87		77 - 120		01/16/18 15:47	1
4-Bromofluorobenzene (Surr)	106		73 - 120		01/16/18 15:47	1
Toluene-d8 (Surr)	91		80 - 120		01/16/18 15:47	1
Dibromofluoromethane (Surr)	88		75 - 123		01/16/18 15:47	1

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-4
Date Collected: 01/08/18 12:25
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			01/15/18 14:52	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			01/15/18 14:52	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			01/15/18 14:52	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			01/15/18 14:52	5
1,1-Dichloroethane	8.0		5.0	1.9	ug/L			01/15/18 14:52	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			01/15/18 14:52	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			01/15/18 14:52	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			01/15/18 14:52	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			01/15/18 14:52	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			01/15/18 14:52	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			01/15/18 14:52	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			01/15/18 14:52	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			01/15/18 14:52	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			01/15/18 14:52	5
2-Butanone (MEK)	210		50	6.6	ug/L			01/15/18 14:52	5
2-Hexanone	ND		25	6.2	ug/L			01/15/18 14:52	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			01/15/18 14:52	5
Acetone	81		50	15	ug/L			01/15/18 14:52	5
Benzene	3.8	J	5.0	2.1	ug/L			01/15/18 14:52	5
Bromodichloromethane	ND		5.0	2.0	ug/L			01/15/18 14:52	5
Bromoform	ND		5.0	1.3	ug/L			01/15/18 14:52	5
Bromomethane	ND		5.0	3.5	ug/L			01/15/18 14:52	5
Carbon disulfide	ND		5.0	0.95	ug/L			01/15/18 14:52	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			01/15/18 14:52	5
Chlorobenzene	ND		5.0	3.8	ug/L			01/15/18 14:52	5
Chloroethane	660	E	5.0	1.6	ug/L			01/15/18 14:52	5
Chloroform	ND		5.0	1.7	ug/L			01/15/18 14:52	5
Chloromethane	ND		5.0	1.8	ug/L			01/15/18 14:52	5
cis-1,2-Dichloroethene	6.0		5.0	4.1	ug/L			01/15/18 14:52	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			01/15/18 14:52	5
Cyclohexane	ND		5.0	0.90	ug/L			01/15/18 14:52	5
Dibromochloromethane	ND		5.0	1.6	ug/L			01/15/18 14:52	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			01/15/18 14:52	5
Ethylbenzene	ND		5.0	3.7	ug/L			01/15/18 14:52	5
Isopropylbenzene	ND		5.0	4.0	ug/L			01/15/18 14:52	5
Methyl acetate	ND		13	6.5	ug/L			01/15/18 14:52	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			01/15/18 14:52	5
Methylcyclohexane	ND		5.0	0.80	ug/L			01/15/18 14:52	5
Methylene Chloride	ND		5.0	2.2	ug/L			01/15/18 14:52	5
Styrene	ND		5.0	3.7	ug/L			01/15/18 14:52	5
Tetrachloroethene	ND		5.0	1.8	ug/L			01/15/18 14:52	5
Toluene	11		5.0	2.6	ug/L			01/15/18 14:52	5
trans-1,2-Dichloroethene	16		5.0	4.5	ug/L			01/15/18 14:52	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			01/15/18 14:52	5
Trichloroethene	ND		5.0	2.3	ug/L			01/15/18 14:52	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			01/15/18 14:52	5
Vinyl chloride	46		5.0	4.5	ug/L			01/15/18 14:52	5
Xylenes, Total	ND		10	3.3	ug/L			01/15/18 14:52	5

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-4
Date Collected: 01/08/18 12:25
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		01/15/18 14:52	5
4-Bromofluorobenzene (Surr)	96		73 - 120		01/15/18 14:52	5
Toluene-d8 (Surr)	96		80 - 120		01/15/18 14:52	5
Dibromofluoromethane (Surr)	112		75 - 123		01/15/18 14:52	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			01/16/18 12:22	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			01/16/18 12:22	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			01/16/18 12:22	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			01/16/18 12:22	10
1,1-Dichloroethane	8.5	J	10	3.8	ug/L			01/16/18 12:22	10
1,1-Dichloroethene	ND		10	2.9	ug/L			01/16/18 12:22	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			01/16/18 12:22	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			01/16/18 12:22	10
1,2-Dibromoethane	ND		10	7.3	ug/L			01/16/18 12:22	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			01/16/18 12:22	10
1,2-Dichloroethane	ND		10	2.1	ug/L			01/16/18 12:22	10
1,2-Dichloropropane	ND		10	7.2	ug/L			01/16/18 12:22	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			01/16/18 12:22	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			01/16/18 12:22	10
2-Butanone (MEK)	270	*	100	13	ug/L			01/16/18 12:22	10
2-Hexanone	ND		50	12	ug/L			01/16/18 12:22	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			01/16/18 12:22	10
Acetone	100		100	30	ug/L			01/16/18 12:22	10
Benzene	4.1	J	10	4.1	ug/L			01/16/18 12:22	10
Bromodichloromethane	ND		10	3.9	ug/L			01/16/18 12:22	10
Bromoform	ND		10	2.6	ug/L			01/16/18 12:22	10
Bromomethane	ND		10	6.9	ug/L			01/16/18 12:22	10
Carbon disulfide	ND		10	1.9	ug/L			01/16/18 12:22	10
Carbon tetrachloride	ND		10	2.7	ug/L			01/16/18 12:22	10
Chlorobenzene	ND		10	7.5	ug/L			01/16/18 12:22	10
Chloroethane	490		10	3.2	ug/L			01/16/18 12:22	10
Chloroform	ND		10	3.4	ug/L			01/16/18 12:22	10
Chloromethane	ND		10	3.5	ug/L			01/16/18 12:22	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			01/16/18 12:22	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			01/16/18 12:22	10
Cyclohexane	ND		10	1.8	ug/L			01/16/18 12:22	10
Dibromochloromethane	ND		10	3.2	ug/L			01/16/18 12:22	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			01/16/18 12:22	10
Ethylbenzene	ND		10	7.4	ug/L			01/16/18 12:22	10
Isopropylbenzene	ND		10	7.9	ug/L			01/16/18 12:22	10
Methyl acetate	ND		25	13	ug/L			01/16/18 12:22	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			01/16/18 12:22	10
Methylcyclohexane	ND		10	1.6	ug/L			01/16/18 12:22	10
Methylene Chloride	15		10	4.4	ug/L			01/16/18 12:22	10
Styrene	ND		10	7.3	ug/L			01/16/18 12:22	10
Tetrachloroethene	ND		10	3.6	ug/L			01/16/18 12:22	10
Toluene	16		10	5.1	ug/L			01/16/18 12:22	10
trans-1,2-Dichloroethene	16		10	9.0	ug/L			01/16/18 12:22	10

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-4
Date Collected: 01/08/18 12:25
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			01/16/18 12:22	10
Trichloroethene	ND		10	4.6	ug/L			01/16/18 12:22	10
Trichlorofluoromethane	ND		10	8.8	ug/L			01/16/18 12:22	10
Vinyl chloride	37		10	9.0	ug/L			01/16/18 12:22	10
Xylenes, Total	ND		20	6.6	ug/L			01/16/18 12:22	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		01/16/18 12:22	10
4-Bromofluorobenzene (Surr)	100		73 - 120		01/16/18 12:22	10
Toluene-d8 (Surr)	99		80 - 120		01/16/18 12:22	10
Dibromofluoromethane (Surr)	98		75 - 123		01/16/18 12:22	10

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-6
Date Collected: 01/08/18 09:35
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-4
Matrix: Water

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			01/15/18 15:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/15/18 15:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/15/18 15:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/15/18 15:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/15/18 15:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/15/18 15:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/15/18 15:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/15/18 15:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/15/18 15:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/15/18 15:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/15/18 15:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/15/18 15:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/15/18 15:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/15/18 15:20	1
2-Butanone (MEK)	5.2	J	10	1.3	ug/L			01/15/18 15:20	1
2-Hexanone	ND		5.0	1.2	ug/L			01/15/18 15:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/15/18 15:20	1
Acetone	5.4	J	10	3.0	ug/L			01/15/18 15:20	1
Benzene	ND		1.0	0.41	ug/L			01/15/18 15:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/15/18 15:20	1
Bromoform	ND		1.0	0.26	ug/L			01/15/18 15:20	1
Bromomethane	ND		1.0	0.69	ug/L			01/15/18 15:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/15/18 15:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/15/18 15:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/15/18 15:20	1
Chloroethane	ND		1.0	0.32	ug/L			01/15/18 15:20	1
Chloroform	ND		1.0	0.34	ug/L			01/15/18 15:20	1
Chloromethane	ND		1.0	0.35	ug/L			01/15/18 15:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/15/18 15:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/15/18 15:20	1
Cyclohexane	ND		1.0	0.18	ug/L			01/15/18 15:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/15/18 15:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/15/18 15:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/15/18 15:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/15/18 15:20	1
Methyl acetate	ND		2.5	1.3	ug/L			01/15/18 15:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/15/18 15:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/15/18 15:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/15/18 15:20	1
Styrene	ND		1.0	0.73	ug/L			01/15/18 15:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/15/18 15:20	1
Toluene	ND		1.0	0.51	ug/L			01/15/18 15:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/15/18 15:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/15/18 15:20	1
Trichloroethene	ND		1.0	0.46	ug/L			01/15/18 15:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/15/18 15:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/15/18 15:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/15/18 15:20	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-6
Date Collected: 01/08/18 09:35
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-4
Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		01/15/18 15:20	1
4-Bromofluorobenzene (Surr)	94		73 - 120		01/15/18 15:20	1
Toluene-d8 (Surr)	94		80 - 120		01/15/18 15:20	1
Dibromofluoromethane (Surr)	108		75 - 123		01/15/18 15:20	1

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-10

Date Collected: 01/08/18 11:05

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-5

Matrix: Water

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			01/15/18 15:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/15/18 15:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/15/18 15:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/15/18 15:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/15/18 15:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/15/18 15:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/15/18 15:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/15/18 15:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/15/18 15:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/15/18 15:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/15/18 15:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/15/18 15:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/15/18 15:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/15/18 15:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/15/18 15:47	1
2-Hexanone	ND		5.0	1.2	ug/L			01/15/18 15:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/15/18 15:47	1
Acetone	ND		10	3.0	ug/L			01/15/18 15:47	1
Benzene	ND		1.0	0.41	ug/L			01/15/18 15:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/15/18 15:47	1
Bromoform	ND		1.0	0.26	ug/L			01/15/18 15:47	1
Bromomethane	ND		1.0	0.69	ug/L			01/15/18 15:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/15/18 15:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/15/18 15:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/15/18 15:47	1
Chloroethane	ND		1.0	0.32	ug/L			01/15/18 15:47	1
Chloroform	ND		1.0	0.34	ug/L			01/15/18 15:47	1
Chloromethane	ND		1.0	0.35	ug/L			01/15/18 15:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/15/18 15:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/15/18 15:47	1
Cyclohexane	ND		1.0	0.18	ug/L			01/15/18 15:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/15/18 15:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/15/18 15:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/15/18 15:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/15/18 15:47	1
Methyl acetate	ND		2.5	1.3	ug/L			01/15/18 15:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/15/18 15:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/15/18 15:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/15/18 15:47	1
Styrene	ND		1.0	0.73	ug/L			01/15/18 15:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/15/18 15:47	1
Toluene	ND		1.0	0.51	ug/L			01/15/18 15:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/15/18 15:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/15/18 15:47	1
Trichloroethene	ND		1.0	0.46	ug/L			01/15/18 15:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/15/18 15:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/15/18 15:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/15/18 15:47	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-10

Date Collected: 01/08/18 11:05

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-5

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		01/15/18 15:47	1
4-Bromofluorobenzene (Surr)	98		73 - 120		01/15/18 15:47	1
Toluene-d8 (Surr)	99		80 - 120		01/15/18 15:47	1
Dibromofluoromethane (Surr)	111		75 - 123		01/15/18 15:47	1

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-11

Date Collected: 01/08/18 15:50

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-6

Matrix: Water

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			01/15/18 16:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/15/18 16:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/15/18 16:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/15/18 16:14	1
1,1-Dichloroethane	0.99	J	1.0	0.38	ug/L			01/15/18 16:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/15/18 16:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/15/18 16:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/15/18 16:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/15/18 16:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/15/18 16:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/15/18 16:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/15/18 16:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/15/18 16:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/15/18 16:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/15/18 16:14	1
2-Hexanone	ND		5.0	1.2	ug/L			01/15/18 16:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/15/18 16:14	1
Acetone	ND		10	3.0	ug/L			01/15/18 16:14	1
Benzene	ND		1.0	0.41	ug/L			01/15/18 16:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/15/18 16:14	1
Bromoform	ND		1.0	0.26	ug/L			01/15/18 16:14	1
Bromomethane	ND		1.0	0.69	ug/L			01/15/18 16:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/15/18 16:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/15/18 16:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/15/18 16:14	1
Chloroethane	ND		1.0	0.32	ug/L			01/15/18 16:14	1
Chloroform	ND		1.0	0.34	ug/L			01/15/18 16:14	1
Chloromethane	ND		1.0	0.35	ug/L			01/15/18 16:14	1
cis-1,2-Dichloroethene	2.4		1.0	0.81	ug/L			01/15/18 16:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/15/18 16:14	1
Cyclohexane	ND		1.0	0.18	ug/L			01/15/18 16:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/15/18 16:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/15/18 16:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/15/18 16:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/15/18 16:14	1
Methyl acetate	ND		2.5	1.3	ug/L			01/15/18 16:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/15/18 16:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/15/18 16:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/15/18 16:14	1
Styrene	ND		1.0	0.73	ug/L			01/15/18 16:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/15/18 16:14	1
Toluene	ND		1.0	0.51	ug/L			01/15/18 16:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/15/18 16:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/15/18 16:14	1
Trichloroethene	ND		1.0	0.46	ug/L			01/15/18 16:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/15/18 16:14	1
Vinyl chloride	2.1		1.0	0.90	ug/L			01/15/18 16:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/15/18 16:14	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-11

Date Collected: 01/08/18 15:50

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-6

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		01/15/18 16:14	1
4-Bromofluorobenzene (Surr)	90		73 - 120		01/15/18 16:14	1
Toluene-d8 (Surr)	92		80 - 120		01/15/18 16:14	1
Dibromofluoromethane (Surr)	113		75 - 123		01/15/18 16:14	1

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-16S

Date Collected: 01/09/18 13:25

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1000	820	ug/L			01/16/18 12:45	1000
1,1,2,2-Tetrachloroethane	ND		1000	210	ug/L			01/16/18 12:45	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310	ug/L			01/16/18 12:45	1000
1,1,2-Trichloroethane	ND		1000	230	ug/L			01/16/18 12:45	1000
1,1-Dichloroethane	ND		1000	380	ug/L			01/16/18 12:45	1000
1,1-Dichloroethene	ND		1000	290	ug/L			01/16/18 12:45	1000
1,2,4-Trichlorobenzene	ND		1000	410	ug/L			01/16/18 12:45	1000
1,2-Dibromo-3-Chloropropane	ND		1000	390	ug/L			01/16/18 12:45	1000
1,2-Dibromoethane	ND		1000	730	ug/L			01/16/18 12:45	1000
1,2-Dichlorobenzene	ND		1000	790	ug/L			01/16/18 12:45	1000
1,2-Dichloroethane	ND		1000	210	ug/L			01/16/18 12:45	1000
1,2-Dichloropropane	ND		1000	720	ug/L			01/16/18 12:45	1000
1,3-Dichlorobenzene	ND		1000	780	ug/L			01/16/18 12:45	1000
1,4-Dichlorobenzene	ND		1000	840	ug/L			01/16/18 12:45	1000
2-Butanone (MEK)	ND	*	10000	1300	ug/L			01/16/18 12:45	1000
2-Hexanone	ND		5000	1200	ug/L			01/16/18 12:45	1000
4-Methyl-2-pentanone (MIBK)	ND		5000	2100	ug/L			01/16/18 12:45	1000
Acetone	ND		10000	3000	ug/L			01/16/18 12:45	1000
Benzene	ND		1000	410	ug/L			01/16/18 12:45	1000
Bromodichloromethane	ND		1000	390	ug/L			01/16/18 12:45	1000
Bromoform	ND		1000	260	ug/L			01/16/18 12:45	1000
Bromomethane	ND		1000	690	ug/L			01/16/18 12:45	1000
Carbon disulfide	ND		1000	190	ug/L			01/16/18 12:45	1000
Carbon tetrachloride	ND		1000	270	ug/L			01/16/18 12:45	1000
Chlorobenzene	ND		1000	750	ug/L			01/16/18 12:45	1000
Chloroethane	1800		1000	320	ug/L			01/16/18 12:45	1000
Chloroform	ND		1000	340	ug/L			01/16/18 12:45	1000
Chloromethane	ND		1000	350	ug/L			01/16/18 12:45	1000
cis-1,2-Dichloroethene	9600		1000	810	ug/L			01/16/18 12:45	1000
cis-1,3-Dichloropropene	ND		1000	360	ug/L			01/16/18 12:45	1000
Cyclohexane	ND		1000	180	ug/L			01/16/18 12:45	1000
Dibromochloromethane	ND		1000	320	ug/L			01/16/18 12:45	1000
Dichlorodifluoromethane	ND		1000	680	ug/L			01/16/18 12:45	1000
Ethylbenzene	ND		1000	740	ug/L			01/16/18 12:45	1000
Isopropylbenzene	ND		1000	790	ug/L			01/16/18 12:45	1000
Methyl acetate	ND		2500	1300	ug/L			01/16/18 12:45	1000
Methyl tert-butyl ether	ND		1000	160	ug/L			01/16/18 12:45	1000
Methylcyclohexane	ND		1000	160	ug/L			01/16/18 12:45	1000
Methylene Chloride	780	J	1000	440	ug/L			01/16/18 12:45	1000
Styrene	ND		1000	730	ug/L			01/16/18 12:45	1000
Tetrachloroethene	ND		1000	360	ug/L			01/16/18 12:45	1000
Toluene	550	J	1000	510	ug/L			01/16/18 12:45	1000
trans-1,2-Dichloroethene	ND		1000	900	ug/L			01/16/18 12:45	1000
trans-1,3-Dichloropropene	ND		1000	370	ug/L			01/16/18 12:45	1000
Trichloroethene	ND		1000	460	ug/L			01/16/18 12:45	1000
Trichlorofluoromethane	ND		1000	880	ug/L			01/16/18 12:45	1000
Vinyl chloride	54000	F1	1000	900	ug/L			01/16/18 12:45	1000
Xylenes, Total	ND		2000	660	ug/L			01/16/18 12:45	1000

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-16S

Date Collected: 01/09/18 13:25

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-7

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		01/16/18 12:45	1000
4-Bromofluorobenzene (Surr)	104		73 - 120		01/16/18 12:45	1000
Toluene-d8 (Surr)	101		80 - 120		01/16/18 12:45	1000
Dibromofluoromethane (Surr)	100		75 - 123		01/16/18 12:45	1000

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: Duplicate

Date Collected: 01/08/18 07:15

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-8

Matrix: Water

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			01/16/18 13:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/16/18 13:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/16/18 13:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/16/18 13:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/16/18 13:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/16/18 13:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/16/18 13:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/16/18 13:09	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/16/18 13:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/16/18 13:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/16/18 13:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/16/18 13:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/16/18 13:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/16/18 13:09	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			01/16/18 13:09	1
2-Hexanone	ND		5.0	1.2	ug/L			01/16/18 13:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/16/18 13:09	1
Acetone	3.4	J	10	3.0	ug/L			01/16/18 13:09	1
Benzene	ND		1.0	0.41	ug/L			01/16/18 13:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/16/18 13:09	1
Bromoform	ND		1.0	0.26	ug/L			01/16/18 13:09	1
Bromomethane	ND		1.0	0.69	ug/L			01/16/18 13:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/16/18 13:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/16/18 13:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/16/18 13:09	1
Chloroethane	ND		1.0	0.32	ug/L			01/16/18 13:09	1
Chloroform	ND		1.0	0.34	ug/L			01/16/18 13:09	1
Chloromethane	ND		1.0	0.35	ug/L			01/16/18 13:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/16/18 13:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/16/18 13:09	1
Cyclohexane	ND		1.0	0.18	ug/L			01/16/18 13:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/16/18 13:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/16/18 13:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/16/18 13:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/16/18 13:09	1
Methyl acetate	ND		2.5	1.3	ug/L			01/16/18 13:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/16/18 13:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/16/18 13:09	1
Methylene Chloride	2.8		1.0	0.44	ug/L			01/16/18 13:09	1
Styrene	ND		1.0	0.73	ug/L			01/16/18 13:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/16/18 13:09	1
Toluene	ND		1.0	0.51	ug/L			01/16/18 13:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/16/18 13:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/16/18 13:09	1
Trichloroethene	ND		1.0	0.46	ug/L			01/16/18 13:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/16/18 13:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/16/18 13:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/16/18 13:09	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: Duplicate

Date Collected: 01/08/18 07:15

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-8

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		01/16/18 13:09	1
4-Bromofluorobenzene (Surr)	104		73 - 120		01/16/18 13:09	1
Toluene-d8 (Surr)	101		80 - 120		01/16/18 13:09	1
Dibromofluoromethane (Surr)	100		75 - 123		01/16/18 13:09	1

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: Rinse Blank

Date Collected: 01/11/18 08:30

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-9

Matrix: Water

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			01/16/18 16:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/16/18 16:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/16/18 16:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/16/18 16:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/16/18 16:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/16/18 16:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/16/18 16:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/16/18 16:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/16/18 16:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/16/18 16:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/16/18 16:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/16/18 16:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/16/18 16:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/16/18 16:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/16/18 16:12	1
2-Hexanone	ND		5.0	1.2	ug/L			01/16/18 16:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/16/18 16:12	1
Acetone	ND		10	3.0	ug/L			01/16/18 16:12	1
Benzene	ND		1.0	0.41	ug/L			01/16/18 16:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/16/18 16:12	1
Bromoform	ND		1.0	0.26	ug/L			01/16/18 16:12	1
Bromomethane	ND		1.0	0.69	ug/L			01/16/18 16:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/16/18 16:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/16/18 16:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/16/18 16:12	1
Chloroethane	ND		1.0	0.32	ug/L			01/16/18 16:12	1
Chloroform	ND		1.0	0.34	ug/L			01/16/18 16:12	1
Chloromethane	ND		1.0	0.35	ug/L			01/16/18 16:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/16/18 16:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/16/18 16:12	1
Cyclohexane	ND		1.0	0.18	ug/L			01/16/18 16:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/16/18 16:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/16/18 16:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/16/18 16:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/16/18 16:12	1
Methyl acetate	ND		2.5	1.3	ug/L			01/16/18 16:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/16/18 16:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/16/18 16:12	1
Methylene Chloride	2.6		1.0	0.44	ug/L			01/16/18 16:12	1
Styrene	ND		1.0	0.73	ug/L			01/16/18 16:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/16/18 16:12	1
Toluene	ND		1.0	0.51	ug/L			01/16/18 16:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/16/18 16:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/16/18 16:12	1
Trichloroethene	ND		1.0	0.46	ug/L			01/16/18 16:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/16/18 16:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/16/18 16:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/16/18 16:12	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: Rinse Blank

Date Collected: 01/11/18 08:30

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-9

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	84		77 - 120		01/16/18 16:12	1
4-Bromofluorobenzene (Surr)	106		73 - 120		01/16/18 16:12	1
Toluene-d8 (Surr)	92		80 - 120		01/16/18 16:12	1
Dibromofluoromethane (Surr)	88		75 - 123		01/16/18 16:12	1

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-16D

Date Collected: 01/08/18 12:35

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-10

Matrix: Ground Water

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			01/15/18 17:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/15/18 17:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/15/18 17:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/15/18 17:09	1
1,1-Dichloroethane	4.1		1.0	0.38	ug/L			01/15/18 17:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/15/18 17:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/15/18 17:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/15/18 17:09	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/15/18 17:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/15/18 17:09	1
1,2-Dichloroethane	0.21	J	1.0	0.21	ug/L			01/15/18 17:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/15/18 17:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/15/18 17:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/15/18 17:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/15/18 17:09	1
2-Hexanone	ND		5.0	1.2	ug/L			01/15/18 17:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/15/18 17:09	1
Acetone	ND		10	3.0	ug/L			01/15/18 17:09	1
Benzene	ND		1.0	0.41	ug/L			01/15/18 17:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/15/18 17:09	1
Bromoform	ND		1.0	0.26	ug/L			01/15/18 17:09	1
Bromomethane	ND		1.0	0.69	ug/L			01/15/18 17:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/15/18 17:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/15/18 17:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/15/18 17:09	1
Chloroethane	160	E	1.0	0.32	ug/L			01/15/18 17:09	1
Chloroform	ND		1.0	0.34	ug/L			01/15/18 17:09	1
Chloromethane	ND		1.0	0.35	ug/L			01/15/18 17:09	1
cis-1,2-Dichloroethene	4.1		1.0	0.81	ug/L			01/15/18 17:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/15/18 17:09	1
Cyclohexane	ND		1.0	0.18	ug/L			01/15/18 17:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/15/18 17:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/15/18 17:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/15/18 17:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/15/18 17:09	1
Methyl acetate	ND		2.5	1.3	ug/L			01/15/18 17:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/15/18 17:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/15/18 17:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/15/18 17:09	1
Styrene	ND		1.0	0.73	ug/L			01/15/18 17:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/15/18 17:09	1
Toluene	0.55	J	1.0	0.51	ug/L			01/15/18 17:09	1
trans-1,2-Dichloroethene	0.90	J	1.0	0.90	ug/L			01/15/18 17:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/15/18 17:09	1
Trichloroethene	ND		1.0	0.46	ug/L			01/15/18 17:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/15/18 17:09	1
Vinyl chloride	9.0		1.0	0.90	ug/L			01/15/18 17:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/15/18 17:09	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-16D

Date Collected: 01/08/18 12:35

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-10

Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		01/15/18 17:09	1
4-Bromofluorobenzene (Surr)	96		73 - 120		01/15/18 17:09	1
Toluene-d8 (Surr)	95		80 - 120		01/15/18 17:09	1
Dibromofluoromethane (Surr)	115		75 - 123		01/15/18 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			01/16/18 13:33	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			01/16/18 13:33	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			01/16/18 13:33	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			01/16/18 13:33	4
1,1-Dichloroethane	5.2		4.0	1.5	ug/L			01/16/18 13:33	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			01/16/18 13:33	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			01/16/18 13:33	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			01/16/18 13:33	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			01/16/18 13:33	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			01/16/18 13:33	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			01/16/18 13:33	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			01/16/18 13:33	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			01/16/18 13:33	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			01/16/18 13:33	4
2-Butanone (MEK)	ND	*	40	5.3	ug/L			01/16/18 13:33	4
2-Hexanone	ND		20	5.0	ug/L			01/16/18 13:33	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			01/16/18 13:33	4
Acetone	19	J	40	12	ug/L			01/16/18 13:33	4
Benzene	ND		4.0	1.6	ug/L			01/16/18 13:33	4
Bromodichloromethane	ND		4.0	1.6	ug/L			01/16/18 13:33	4
Bromoform	ND		4.0	1.0	ug/L			01/16/18 13:33	4
Bromomethane	ND		4.0	2.8	ug/L			01/16/18 13:33	4
Carbon disulfide	ND		4.0	0.76	ug/L			01/16/18 13:33	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			01/16/18 13:33	4
Chlorobenzene	ND		4.0	3.0	ug/L			01/16/18 13:33	4
Chloroethane	110		4.0	1.3	ug/L			01/16/18 13:33	4
Chloroform	ND		4.0	1.4	ug/L			01/16/18 13:33	4
Chloromethane	ND		4.0	1.4	ug/L			01/16/18 13:33	4
cis-1,2-Dichloroethene	4.4		4.0	3.2	ug/L			01/16/18 13:33	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			01/16/18 13:33	4
Cyclohexane	ND		4.0	0.72	ug/L			01/16/18 13:33	4
Dibromochloromethane	ND		4.0	1.3	ug/L			01/16/18 13:33	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			01/16/18 13:33	4
Ethylbenzene	ND		4.0	3.0	ug/L			01/16/18 13:33	4
Isopropylbenzene	ND		4.0	3.2	ug/L			01/16/18 13:33	4
Methyl acetate	ND		10	5.2	ug/L			01/16/18 13:33	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			01/16/18 13:33	4
Methylcyclohexane	ND		4.0	0.64	ug/L			01/16/18 13:33	4
Methylene Chloride	37		4.0	1.8	ug/L			01/16/18 13:33	4
Styrene	ND		4.0	2.9	ug/L			01/16/18 13:33	4
Tetrachloroethene	ND		4.0	1.4	ug/L			01/16/18 13:33	4
Toluene	ND		4.0	2.0	ug/L			01/16/18 13:33	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			01/16/18 13:33	4

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-16D

Date Collected: 01/08/18 12:35

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-10

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			01/16/18 13:33	4
Trichloroethene	ND		4.0	1.8	ug/L			01/16/18 13:33	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			01/16/18 13:33	4
Vinyl chloride	8.3		4.0	3.6	ug/L			01/16/18 13:33	4
Xylenes, Total	ND		8.0	2.6	ug/L			01/16/18 13:33	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		01/16/18 13:33	4
4-Bromofluorobenzene (Surr)	103		73 - 120		01/16/18 13:33	4
Toluene-d8 (Surr)	100		80 - 120		01/16/18 13:33	4
Dibromofluoromethane (Surr)	102		75 - 123		01/16/18 13:33	4

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-13S

Date Collected: 01/09/18 15:25

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-11

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			01/16/18 13:57	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			01/16/18 13:57	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			01/16/18 13:57	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			01/16/18 13:57	40
1,1-Dichloroethane	ND		40	15	ug/L			01/16/18 13:57	40
1,1-Dichloroethene	ND		40	12	ug/L			01/16/18 13:57	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			01/16/18 13:57	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			01/16/18 13:57	40
1,2-Dibromoethane	ND		40	29	ug/L			01/16/18 13:57	40
1,2-Dichlorobenzene	ND		40	32	ug/L			01/16/18 13:57	40
1,2-Dichloroethane	ND		40	8.4	ug/L			01/16/18 13:57	40
1,2-Dichloropropane	ND		40	29	ug/L			01/16/18 13:57	40
1,3-Dichlorobenzene	ND		40	31	ug/L			01/16/18 13:57	40
1,4-Dichlorobenzene	ND		40	34	ug/L			01/16/18 13:57	40
2-Butanone (MEK)	ND	*	400	53	ug/L			01/16/18 13:57	40
2-Hexanone	ND		200	50	ug/L			01/16/18 13:57	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			01/16/18 13:57	40
Acetone	140	J	400	120	ug/L			01/16/18 13:57	40
Benzene	ND		40	16	ug/L			01/16/18 13:57	40
Bromodichloromethane	ND		40	16	ug/L			01/16/18 13:57	40
Bromoform	ND		40	10	ug/L			01/16/18 13:57	40
Bromomethane	ND		40	28	ug/L			01/16/18 13:57	40
Carbon disulfide	ND		40	7.6	ug/L			01/16/18 13:57	40
Carbon tetrachloride	ND		40	11	ug/L			01/16/18 13:57	40
Chlorobenzene	ND		40	30	ug/L			01/16/18 13:57	40
Chloroethane	ND		40	13	ug/L			01/16/18 13:57	40
Chloroform	ND		40	14	ug/L			01/16/18 13:57	40
Chloromethane	ND		40	14	ug/L			01/16/18 13:57	40
cis-1,2-Dichloroethene	1200		40	32	ug/L			01/16/18 13:57	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			01/16/18 13:57	40
Cyclohexane	ND		40	7.2	ug/L			01/16/18 13:57	40
Dibromochloromethane	ND		40	13	ug/L			01/16/18 13:57	40
Dichlorodifluoromethane	ND		40	27	ug/L			01/16/18 13:57	40
Ethylbenzene	ND		40	30	ug/L			01/16/18 13:57	40
Isopropylbenzene	ND		40	32	ug/L			01/16/18 13:57	40
Methyl acetate	ND		100	52	ug/L			01/16/18 13:57	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			01/16/18 13:57	40
Methylcyclohexane	ND		40	6.4	ug/L			01/16/18 13:57	40
Methylene Chloride	140		40	18	ug/L			01/16/18 13:57	40
Styrene	ND		40	29	ug/L			01/16/18 13:57	40
Tetrachloroethene	ND		40	14	ug/L			01/16/18 13:57	40
Toluene	ND		40	20	ug/L			01/16/18 13:57	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			01/16/18 13:57	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			01/16/18 13:57	40
Trichloroethene	ND		40	18	ug/L			01/16/18 13:57	40
Trichlorofluoromethane	ND		40	35	ug/L			01/16/18 13:57	40
Vinyl chloride	440		40	36	ug/L			01/16/18 13:57	40
Xylenes, Total	ND		80	26	ug/L			01/16/18 13:57	40

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-13S

Date Collected: 01/09/18 15:25

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-11

Matrix: Ground Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		01/16/18 13:57	40
4-Bromofluorobenzene (Surr)	104		73 - 120		01/16/18 13:57	40
Toluene-d8 (Surr)	99		80 - 120		01/16/18 13:57	40
Dibromofluoromethane (Surr)	99		75 - 123		01/16/18 13:57	40

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-13D

Date Collected: 01/09/18 14:10

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-12

Matrix: Ground Water

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			01/15/18 21:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/15/18 21:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/15/18 21:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/15/18 21:39	1
1,1-Dichloroethane	0.73	J	1.0	0.38	ug/L			01/15/18 21:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/15/18 21:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/15/18 21:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/15/18 21:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/15/18 21:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/15/18 21:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/15/18 21:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/15/18 21:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/15/18 21:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/15/18 21:39	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			01/15/18 21:39	1
2-Hexanone	ND		5.0	1.2	ug/L			01/15/18 21:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/15/18 21:39	1
Acetone	23		10	3.0	ug/L			01/15/18 21:39	1
Benzene	ND		1.0	0.41	ug/L			01/15/18 21:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/15/18 21:39	1
Bromoform	ND		1.0	0.26	ug/L			01/15/18 21:39	1
Bromomethane	ND		1.0	0.69	ug/L			01/15/18 21:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/15/18 21:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/15/18 21:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/15/18 21:39	1
Chloroethane	9.9		1.0	0.32	ug/L			01/15/18 21:39	1
Chloroform	ND		1.0	0.34	ug/L			01/15/18 21:39	1
Chloromethane	ND		1.0	0.35	ug/L			01/15/18 21:39	1
cis-1,2-Dichloroethene	1.1		1.0	0.81	ug/L			01/15/18 21:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/15/18 21:39	1
Cyclohexane	ND		1.0	0.18	ug/L			01/15/18 21:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/15/18 21:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/15/18 21:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/15/18 21:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/15/18 21:39	1
Methyl acetate	ND		2.5	1.3	ug/L			01/15/18 21:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/15/18 21:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/15/18 21:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/15/18 21:39	1
Styrene	ND		1.0	0.73	ug/L			01/15/18 21:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/15/18 21:39	1
Toluene	0.95	J	1.0	0.51	ug/L			01/15/18 21:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/15/18 21:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/15/18 21:39	1
Trichloroethene	ND		1.0	0.46	ug/L			01/15/18 21:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/15/18 21:39	1
Vinyl chloride	39		1.0	0.90	ug/L			01/15/18 21:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/15/18 21:39	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-13D

Date Collected: 01/09/18 14:10

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-12

Matrix: Ground Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		01/15/18 21:39	1
4-Bromofluorobenzene (Surr)	101		73 - 120		01/15/18 21:39	1
Toluene-d8 (Surr)	98		80 - 120		01/15/18 21:39	1
Dibromofluoromethane (Surr)	100		75 - 123		01/15/18 21:39	1

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: GWCT

Date Collected: 01/08/18 11:30

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-13

Matrix: Water

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			01/15/18 17:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/15/18 17:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/15/18 17:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/15/18 17:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/15/18 17:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/15/18 17:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/15/18 17:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/15/18 17:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/15/18 17:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/15/18 17:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/15/18 17:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/15/18 17:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/15/18 17:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/15/18 17:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/15/18 17:36	1
2-Hexanone	ND		5.0	1.2	ug/L			01/15/18 17:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/15/18 17:36	1
Acetone	ND		10	3.0	ug/L			01/15/18 17:36	1
Benzene	ND		1.0	0.41	ug/L			01/15/18 17:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/15/18 17:36	1
Bromoform	ND		1.0	0.26	ug/L			01/15/18 17:36	1
Bromomethane	ND		1.0	0.69	ug/L			01/15/18 17:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/15/18 17:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/15/18 17:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/15/18 17:36	1
Chloroethane	64		1.0	0.32	ug/L			01/15/18 17:36	1
Chloroform	ND		1.0	0.34	ug/L			01/15/18 17:36	1
Chloromethane	ND		1.0	0.35	ug/L			01/15/18 17:36	1
cis-1,2-Dichloroethene	5.1		1.0	0.81	ug/L			01/15/18 17:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/15/18 17:36	1
Cyclohexane	ND		1.0	0.18	ug/L			01/15/18 17:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/15/18 17:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/15/18 17:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/15/18 17:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/15/18 17:36	1
Methyl acetate	ND		2.5	1.3	ug/L			01/15/18 17:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/15/18 17:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/15/18 17:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/15/18 17:36	1
Styrene	ND		1.0	0.73	ug/L			01/15/18 17:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/15/18 17:36	1
Toluene	ND		1.0	0.51	ug/L			01/15/18 17:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/15/18 17:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/15/18 17:36	1
Trichloroethene	ND		1.0	0.46	ug/L			01/15/18 17:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/15/18 17:36	1
Vinyl chloride	7.4		1.0	0.90	ug/L			01/15/18 17:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/15/18 17:36	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: GWCT
Date Collected: 01/08/18 11:30
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-13
Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		01/15/18 17:36	1
4-Bromofluorobenzene (Surr)	95		73 - 120		01/15/18 17:36	1
Toluene-d8 (Surr)	95		80 - 120		01/15/18 17:36	1
Dibromofluoromethane (Surr)	111		75 - 123		01/15/18 17:36	1

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: DPT-1

Date Collected: 01/10/18 12:30

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-14

Matrix: Water

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			01/16/18 23:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/16/18 23:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/16/18 23:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/16/18 23:17	1
1,1-Dichloroethane	67		1.0	0.38	ug/L			01/16/18 23:17	1
1,1-Dichloroethene	0.98	J	1.0	0.29	ug/L			01/16/18 23:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/16/18 23:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/16/18 23:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/16/18 23:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/16/18 23:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/16/18 23:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/16/18 23:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/16/18 23:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/16/18 23:17	1
2-Butanone (MEK)	58		10	1.3	ug/L			01/16/18 23:17	1
2-Hexanone	2.6	J	5.0	1.2	ug/L			01/16/18 23:17	1
4-Methyl-2-pentanone (MIBK)	2.6	J	5.0	2.1	ug/L			01/16/18 23:17	1
Acetone	160		10	3.0	ug/L			01/16/18 23:17	1
Benzene	1.6		1.0	0.41	ug/L			01/16/18 23:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/16/18 23:17	1
Bromoform	ND		1.0	0.26	ug/L			01/16/18 23:17	1
Bromomethane	ND		1.0	0.69	ug/L			01/16/18 23:17	1
Carbon disulfide	1.0		1.0	0.19	ug/L			01/16/18 23:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/16/18 23:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/16/18 23:17	1
Chloroethane	20		1.0	0.32	ug/L			01/16/18 23:17	1
Chloroform	ND		1.0	0.34	ug/L			01/16/18 23:17	1
Chloromethane	ND		1.0	0.35	ug/L			01/16/18 23:17	1
cis-1,2-Dichloroethene	58		1.0	0.81	ug/L			01/16/18 23:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/16/18 23:17	1
Cyclohexane	ND		1.0	0.18	ug/L			01/16/18 23:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/16/18 23:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/16/18 23:17	1
Ethylbenzene	2.3		1.0	0.74	ug/L			01/16/18 23:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/16/18 23:17	1
Methyl acetate	ND		2.5	1.3	ug/L			01/16/18 23:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/16/18 23:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/16/18 23:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/16/18 23:17	1
Styrene	ND		1.0	0.73	ug/L			01/16/18 23:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/16/18 23:17	1
Toluene	14		1.0	0.51	ug/L			01/16/18 23:17	1
trans-1,2-Dichloroethene	1.0		1.0	0.90	ug/L			01/16/18 23:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/16/18 23:17	1
Trichloroethene	10		1.0	0.46	ug/L			01/16/18 23:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/16/18 23:17	1
Vinyl chloride	15		1.0	0.90	ug/L			01/16/18 23:17	1
Xylenes, Total	6.9		2.0	0.66	ug/L			01/16/18 23:17	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: DPT-1

Date Collected: 01/10/18 12:30

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-14

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		01/16/18 23:17	1
4-Bromofluorobenzene (Surr)	99		73 - 120		01/16/18 23:17	1
Toluene-d8 (Surr)	107		80 - 120		01/16/18 23:17	1
Dibromofluoromethane (Surr)	110		75 - 123		01/16/18 23:17	1

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: DPT-2

Date Collected: 01/10/18 10:50

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-15

Matrix: Water

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			01/16/18 17:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/16/18 17:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/16/18 17:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/16/18 17:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/16/18 17:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/16/18 17:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/16/18 17:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/16/18 17:02	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/16/18 17:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/16/18 17:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/16/18 17:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/16/18 17:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/16/18 17:02	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/16/18 17:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/16/18 17:02	1
2-Hexanone	ND		5.0	1.2	ug/L			01/16/18 17:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/16/18 17:02	1
Acetone	ND		10	3.0	ug/L			01/16/18 17:02	1
Benzene	ND		1.0	0.41	ug/L			01/16/18 17:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/16/18 17:02	1
Bromoform	ND		1.0	0.26	ug/L			01/16/18 17:02	1
Bromomethane	ND		1.0	0.69	ug/L			01/16/18 17:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/16/18 17:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/16/18 17:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/16/18 17:02	1
Chloroethane	11		1.0	0.32	ug/L			01/16/18 17:02	1
Chloroform	ND		1.0	0.34	ug/L			01/16/18 17:02	1
Chloromethane	ND		1.0	0.35	ug/L			01/16/18 17:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/16/18 17:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/16/18 17:02	1
Cyclohexane	ND		1.0	0.18	ug/L			01/16/18 17:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/16/18 17:02	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/16/18 17:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/16/18 17:02	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/16/18 17:02	1
Methyl acetate	ND		2.5	1.3	ug/L			01/16/18 17:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/16/18 17:02	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/16/18 17:02	1
Methylene Chloride	5.2		1.0	0.44	ug/L			01/16/18 17:02	1
Styrene	ND		1.0	0.73	ug/L			01/16/18 17:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/16/18 17:02	1
Toluene	ND		1.0	0.51	ug/L			01/16/18 17:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/16/18 17:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/16/18 17:02	1
Trichloroethene	ND		1.0	0.46	ug/L			01/16/18 17:02	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/16/18 17:02	1
Vinyl chloride	1.7		1.0	0.90	ug/L			01/16/18 17:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/16/18 17:02	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: DPT-2

Date Collected: 01/10/18 10:50

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-15

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	84		77 - 120		01/16/18 17:02	1
4-Bromofluorobenzene (Surr)	107		73 - 120		01/16/18 17:02	1
Toluene-d8 (Surr)	91		80 - 120		01/16/18 17:02	1
Dibromofluoromethane (Surr)	88		75 - 123		01/16/18 17:02	1

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: DPT-4

Date Collected: 01/10/18 11:15

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			01/16/18 17:27	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			01/16/18 17:27	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			01/16/18 17:27	50
1,1,2-Trichloroethane	ND		50	12	ug/L			01/16/18 17:27	50
1,1-Dichloroethane	ND		50	19	ug/L			01/16/18 17:27	50
1,1-Dichloroethene	ND		50	15	ug/L			01/16/18 17:27	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			01/16/18 17:27	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			01/16/18 17:27	50
1,2-Dibromoethane	ND		50	37	ug/L			01/16/18 17:27	50
1,2-Dichlorobenzene	ND		50	40	ug/L			01/16/18 17:27	50
1,2-Dichloroethane	ND		50	11	ug/L			01/16/18 17:27	50
1,2-Dichloropropane	ND		50	36	ug/L			01/16/18 17:27	50
1,3-Dichlorobenzene	ND		50	39	ug/L			01/16/18 17:27	50
1,4-Dichlorobenzene	ND		50	42	ug/L			01/16/18 17:27	50
2-Butanone (MEK)	ND		500	66	ug/L			01/16/18 17:27	50
2-Hexanone	ND		250	62	ug/L			01/16/18 17:27	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			01/16/18 17:27	50
Acetone	190	J	500	150	ug/L			01/16/18 17:27	50
Benzene	ND		50	21	ug/L			01/16/18 17:27	50
Bromodichloromethane	ND		50	20	ug/L			01/16/18 17:27	50
Bromoform	ND		50	13	ug/L			01/16/18 17:27	50
Bromomethane	ND		50	35	ug/L			01/16/18 17:27	50
Carbon disulfide	ND		50	9.5	ug/L			01/16/18 17:27	50
Carbon tetrachloride	ND		50	14	ug/L			01/16/18 17:27	50
Chlorobenzene	ND		50	38	ug/L			01/16/18 17:27	50
Chloroethane	ND		50	16	ug/L			01/16/18 17:27	50
Chloroform	ND		50	17	ug/L			01/16/18 17:27	50
Chloromethane	ND		50	18	ug/L			01/16/18 17:27	50
cis-1,2-Dichloroethene	2100		50	41	ug/L			01/16/18 17:27	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			01/16/18 17:27	50
Cyclohexane	ND		50	9.0	ug/L			01/16/18 17:27	50
Dibromochloromethane	ND		50	16	ug/L			01/16/18 17:27	50
Dichlorodifluoromethane	ND		50	34	ug/L			01/16/18 17:27	50
Ethylbenzene	ND		50	37	ug/L			01/16/18 17:27	50
Isopropylbenzene	ND		50	40	ug/L			01/16/18 17:27	50
Methyl acetate	ND		130	65	ug/L			01/16/18 17:27	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			01/16/18 17:27	50
Methylcyclohexane	ND		50	8.0	ug/L			01/16/18 17:27	50
Methylene Chloride	320		50	22	ug/L			01/16/18 17:27	50
Styrene	ND		50	37	ug/L			01/16/18 17:27	50
Tetrachloroethene	ND		50	18	ug/L			01/16/18 17:27	50
Toluene	ND		50	26	ug/L			01/16/18 17:27	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			01/16/18 17:27	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			01/16/18 17:27	50
Trichloroethene	47	J	50	23	ug/L			01/16/18 17:27	50
Trichlorofluoromethane	ND		50	44	ug/L			01/16/18 17:27	50
Vinyl chloride	430		50	45	ug/L			01/16/18 17:27	50
Xylenes, Total	ND		100	33	ug/L			01/16/18 17:27	50

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: DPT-4

Date Collected: 01/10/18 11:15

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-16

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	84		77 - 120		01/16/18 17:27	50
4-Bromofluorobenzene (Surr)	105		73 - 120		01/16/18 17:27	50
Toluene-d8 (Surr)	90		80 - 120		01/16/18 17:27	50
Dibromofluoromethane (Surr)	86		75 - 123		01/16/18 17:27	50

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: DPT-5

Date Collected: 01/10/18 12:00

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			01/16/18 23:43	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			01/16/18 23:43	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			01/16/18 23:43	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			01/16/18 23:43	10
1,1-Dichloroethane	66		10	3.8	ug/L			01/16/18 23:43	10
1,1-Dichloroethene	ND		10	2.9	ug/L			01/16/18 23:43	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			01/16/18 23:43	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			01/16/18 23:43	10
1,2-Dibromoethane	ND		10	7.3	ug/L			01/16/18 23:43	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			01/16/18 23:43	10
1,2-Dichloroethane	ND		10	2.1	ug/L			01/16/18 23:43	10
1,2-Dichloropropane	ND		10	7.2	ug/L			01/16/18 23:43	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			01/16/18 23:43	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			01/16/18 23:43	10
2-Butanone (MEK)	21	J	100	13	ug/L			01/16/18 23:43	10
2-Hexanone	ND		50	12	ug/L			01/16/18 23:43	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			01/16/18 23:43	10
Acetone	90	J	100	30	ug/L			01/16/18 23:43	10
Benzene	ND		10	4.1	ug/L			01/16/18 23:43	10
Bromodichloromethane	ND		10	3.9	ug/L			01/16/18 23:43	10
Bromoform	ND		10	2.6	ug/L			01/16/18 23:43	10
Bromomethane	ND		10	6.9	ug/L			01/16/18 23:43	10
Carbon disulfide	3.1	J	10	1.9	ug/L			01/16/18 23:43	10
Carbon tetrachloride	ND		10	2.7	ug/L			01/16/18 23:43	10
Chlorobenzene	ND		10	7.5	ug/L			01/16/18 23:43	10
Chloroethane	80		10	3.2	ug/L			01/16/18 23:43	10
Chloroform	ND		10	3.4	ug/L			01/16/18 23:43	10
Chloromethane	ND		10	3.5	ug/L			01/16/18 23:43	10
cis-1,2-Dichloroethene	480		10	8.1	ug/L			01/16/18 23:43	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			01/16/18 23:43	10
Cyclohexane	ND		10	1.8	ug/L			01/16/18 23:43	10
Dibromochloromethane	ND		10	3.2	ug/L			01/16/18 23:43	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			01/16/18 23:43	10
Ethylbenzene	ND		10	7.4	ug/L			01/16/18 23:43	10
Isopropylbenzene	ND		10	7.9	ug/L			01/16/18 23:43	10
Methyl acetate	ND		25	13	ug/L			01/16/18 23:43	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			01/16/18 23:43	10
Methylcyclohexane	ND		10	1.6	ug/L			01/16/18 23:43	10
Methylene Chloride	ND		10	4.4	ug/L			01/16/18 23:43	10
Styrene	ND		10	7.3	ug/L			01/16/18 23:43	10
Tetrachloroethene	ND		10	3.6	ug/L			01/16/18 23:43	10
Toluene	9.6	J	10	5.1	ug/L			01/16/18 23:43	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			01/16/18 23:43	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			01/16/18 23:43	10
Trichloroethene	6.7	J	10	4.6	ug/L			01/16/18 23:43	10
Trichlorofluoromethane	ND		10	8.8	ug/L			01/16/18 23:43	10
Vinyl chloride	250		10	9.0	ug/L			01/16/18 23:43	10
Xylenes, Total	ND		20	6.6	ug/L			01/16/18 23:43	10

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: DPT-5

Date Collected: 01/10/18 12:00

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-17

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		01/16/18 23:43	10
4-Bromofluorobenzene (Surr)	97		73 - 120		01/16/18 23:43	10
Toluene-d8 (Surr)	106		80 - 120		01/16/18 23:43	10
Dibromofluoromethane (Surr)	109		75 - 123		01/16/18 23:43	10

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: DPT-7

Date Collected: 01/10/18 11:25

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			01/17/18 00:08	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			01/17/18 00:08	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			01/17/18 00:08	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			01/17/18 00:08	10
1,1-Dichloroethane	ND		10	3.8	ug/L			01/17/18 00:08	10
1,1-Dichloroethene	ND		10	2.9	ug/L			01/17/18 00:08	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			01/17/18 00:08	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			01/17/18 00:08	10
1,2-Dibromoethane	ND		10	7.3	ug/L			01/17/18 00:08	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			01/17/18 00:08	10
1,2-Dichloroethane	ND		10	2.1	ug/L			01/17/18 00:08	10
1,2-Dichloropropane	ND		10	7.2	ug/L			01/17/18 00:08	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			01/17/18 00:08	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			01/17/18 00:08	10
2-Butanone (MEK)	ND		100	13	ug/L			01/17/18 00:08	10
2-Hexanone	ND		50	12	ug/L			01/17/18 00:08	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			01/17/18 00:08	10
Acetone	ND		100	30	ug/L			01/17/18 00:08	10
Benzene	ND		10	4.1	ug/L			01/17/18 00:08	10
Bromodichloromethane	ND		10	3.9	ug/L			01/17/18 00:08	10
Bromoform	ND		10	2.6	ug/L			01/17/18 00:08	10
Bromomethane	ND		10	6.9	ug/L			01/17/18 00:08	10
Carbon disulfide	ND		10	1.9	ug/L			01/17/18 00:08	10
Carbon tetrachloride	ND		10	2.7	ug/L			01/17/18 00:08	10
Chlorobenzene	ND		10	7.5	ug/L			01/17/18 00:08	10
Chloroethane	340		10	3.2	ug/L			01/17/18 00:08	10
Chloroform	ND		10	3.4	ug/L			01/17/18 00:08	10
Chloromethane	ND		10	3.5	ug/L			01/17/18 00:08	10
cis-1,2-Dichloroethene	10		10	8.1	ug/L			01/17/18 00:08	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			01/17/18 00:08	10
Cyclohexane	ND		10	1.8	ug/L			01/17/18 00:08	10
Dibromochloromethane	ND		10	3.2	ug/L			01/17/18 00:08	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			01/17/18 00:08	10
Ethylbenzene	ND		10	7.4	ug/L			01/17/18 00:08	10
Isopropylbenzene	ND		10	7.9	ug/L			01/17/18 00:08	10
Methyl acetate	ND		25	13	ug/L			01/17/18 00:08	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			01/17/18 00:08	10
Methylcyclohexane	ND		10	1.6	ug/L			01/17/18 00:08	10
Methylene Chloride	ND		10	4.4	ug/L			01/17/18 00:08	10
Styrene	ND		10	7.3	ug/L			01/17/18 00:08	10
Tetrachloroethene	ND		10	3.6	ug/L			01/17/18 00:08	10
Toluene	ND		10	5.1	ug/L			01/17/18 00:08	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			01/17/18 00:08	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			01/17/18 00:08	10
Trichloroethene	ND		10	4.6	ug/L			01/17/18 00:08	10
Trichlorofluoromethane	ND		10	8.8	ug/L			01/17/18 00:08	10
Vinyl chloride	ND		10	9.0	ug/L			01/17/18 00:08	10
Xylenes, Total	ND		20	6.6	ug/L			01/17/18 00:08	10

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: DPT-7
Date Collected: 01/10/18 11:25
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-18
Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		01/17/18 00:08	10
4-Bromofluorobenzene (Surr)	96		73 - 120		01/17/18 00:08	10
Toluene-d8 (Surr)	105		80 - 120		01/17/18 00:08	10
Dibromofluoromethane (Surr)	109		75 - 123		01/17/18 00:08	10

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: DPT-8

Date Collected: 01/10/18 11:40

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-19

Matrix: Water

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			01/17/18 00:33	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			01/17/18 00:33	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			01/17/18 00:33	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			01/17/18 00:33	20
1,1-Dichloroethane	50		20	7.6	ug/L			01/17/18 00:33	20
1,1-Dichloroethene	8.2	J	20	5.8	ug/L			01/17/18 00:33	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			01/17/18 00:33	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			01/17/18 00:33	20
1,2-Dibromoethane	ND		20	15	ug/L			01/17/18 00:33	20
1,2-Dichlorobenzene	ND		20	16	ug/L			01/17/18 00:33	20
1,2-Dichloroethane	ND		20	4.2	ug/L			01/17/18 00:33	20
1,2-Dichloropropane	ND		20	14	ug/L			01/17/18 00:33	20
1,3-Dichlorobenzene	ND		20	16	ug/L			01/17/18 00:33	20
1,4-Dichlorobenzene	ND		20	17	ug/L			01/17/18 00:33	20
2-Butanone (MEK)	ND		200	26	ug/L			01/17/18 00:33	20
2-Hexanone	ND		100	25	ug/L			01/17/18 00:33	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			01/17/18 00:33	20
Acetone	ND		200	60	ug/L			01/17/18 00:33	20
Benzene	ND		20	8.2	ug/L			01/17/18 00:33	20
Bromodichloromethane	ND		20	7.8	ug/L			01/17/18 00:33	20
Bromoform	ND		20	5.2	ug/L			01/17/18 00:33	20
Bromomethane	ND		20	14	ug/L			01/17/18 00:33	20
Carbon disulfide	ND		20	3.8	ug/L			01/17/18 00:33	20
Carbon tetrachloride	ND		20	5.4	ug/L			01/17/18 00:33	20
Chlorobenzene	ND		20	15	ug/L			01/17/18 00:33	20
Chloroethane	22		20	6.4	ug/L			01/17/18 00:33	20
Chloroform	ND		20	6.8	ug/L			01/17/18 00:33	20
Chloromethane	ND		20	7.0	ug/L			01/17/18 00:33	20
cis-1,2-Dichloroethene	540		20	16	ug/L			01/17/18 00:33	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			01/17/18 00:33	20
Cyclohexane	ND		20	3.6	ug/L			01/17/18 00:33	20
Dibromochloromethane	ND		20	6.4	ug/L			01/17/18 00:33	20
Dichlorodifluoromethane	ND		20	14	ug/L			01/17/18 00:33	20
Ethylbenzene	ND		20	15	ug/L			01/17/18 00:33	20
Isopropylbenzene	ND		20	16	ug/L			01/17/18 00:33	20
Methyl acetate	ND		50	26	ug/L			01/17/18 00:33	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			01/17/18 00:33	20
Methylcyclohexane	ND		20	3.2	ug/L			01/17/18 00:33	20
Methylene Chloride	ND		20	8.8	ug/L			01/17/18 00:33	20
Styrene	ND		20	15	ug/L			01/17/18 00:33	20
Tetrachloroethene	ND		20	7.2	ug/L			01/17/18 00:33	20
Toluene	ND		20	10	ug/L			01/17/18 00:33	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			01/17/18 00:33	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			01/17/18 00:33	20
Trichloroethene	11	J	20	9.2	ug/L			01/17/18 00:33	20
Trichlorofluoromethane	ND		20	18	ug/L			01/17/18 00:33	20
Vinyl chloride	410		20	18	ug/L			01/17/18 00:33	20
Xylenes, Total	ND		40	13	ug/L			01/17/18 00:33	20

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: DPT-8
Date Collected: 01/10/18 11:40
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-19
Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		01/17/18 00:33	20
4-Bromofluorobenzene (Surr)	96		73 - 120		01/17/18 00:33	20
Toluene-d8 (Surr)	104		80 - 120		01/17/18 00:33	20
Dibromofluoromethane (Surr)	110		75 - 123		01/17/18 00:33	20

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: Trip Blank

Date Collected: 01/08/18 07:00

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-20

Matrix: Water

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			01/15/18 18:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/15/18 18:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/15/18 18:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/15/18 18:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/15/18 18:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/15/18 18:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/15/18 18:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/15/18 18:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/15/18 18:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/15/18 18:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/15/18 18:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/15/18 18:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/15/18 18:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/15/18 18:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/15/18 18:03	1
2-Hexanone	ND		5.0	1.2	ug/L			01/15/18 18:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/15/18 18:03	1
Acetone	ND		10	3.0	ug/L			01/15/18 18:03	1
Benzene	ND		1.0	0.41	ug/L			01/15/18 18:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/15/18 18:03	1
Bromoform	ND		1.0	0.26	ug/L			01/15/18 18:03	1
Bromomethane	ND		1.0	0.69	ug/L			01/15/18 18:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/15/18 18:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/15/18 18:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/15/18 18:03	1
Chloroethane	ND		1.0	0.32	ug/L			01/15/18 18:03	1
Chloroform	ND		1.0	0.34	ug/L			01/15/18 18:03	1
Chloromethane	ND		1.0	0.35	ug/L			01/15/18 18:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/15/18 18:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/15/18 18:03	1
Cyclohexane	ND		1.0	0.18	ug/L			01/15/18 18:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/15/18 18:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/15/18 18:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/15/18 18:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/15/18 18:03	1
Methyl acetate	ND		2.5	1.3	ug/L			01/15/18 18:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/15/18 18:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/15/18 18:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/15/18 18:03	1
Styrene	ND		1.0	0.73	ug/L			01/15/18 18:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/15/18 18:03	1
Toluene	ND		1.0	0.51	ug/L			01/15/18 18:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/15/18 18:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/15/18 18:03	1
Trichloroethene	ND		1.0	0.46	ug/L			01/15/18 18:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/15/18 18:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/15/18 18:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/15/18 18:03	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: Trip Blank

Date Collected: 01/08/18 07:00

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-20

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		01/15/18 18:03	1
4-Bromofluorobenzene (Surr)	93		73 - 120		01/15/18 18:03	1
Toluene-d8 (Surr)	95		80 - 120		01/15/18 18:03	1
Dibromofluoromethane (Surr)	112		75 - 123		01/15/18 18:03	1

Surrogate Summary

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-129995-1	MW-2	108	96	98	113
480-129995-10	MW-16D	108	96	95	115
480-129995-10 - DL	MW-16D	99	103	100	102
480-129995-11	MW-13S	100	104	99	99
480-129995-12	MW-13D	100	101	98	100

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-129995-2	MW-3	87	106	91	88
480-129995-3	MW-4	105	96	96	112
480-129995-3 - DL	MW-4	98	100	99	98
480-129995-3 MS	MW-4	101	94	95	109
480-129995-3 MSD	MW-4	103	99	96	113
480-129995-4	MW-6	101	94	94	108
480-129995-5	MW-10	102	98	99	111
480-129995-6	MW-11	104	90	92	113
480-129995-7	MW-16S	100	104	101	100
480-129995-7 MS	MW-16S	98	101	99	100
480-129995-7 MSD	MW-16S	99	101	99	104
480-129995-8	Duplicate	97	104	101	100
480-129995-9	Rinse Blank	84	106	92	88
480-129995-13	GWCT	99	95	95	111
480-129995-14	DPT-1	112	99	107	110
480-129995-15	DPT-2	84	107	91	88
480-129995-16	DPT-4	84	105	90	86
480-129995-17	DPT-5	113	97	106	109
480-129995-18	DPT-7	113	96	105	109
480-129995-19	DPT-8	114	96	104	110
480-129995-19 MS	DPT-8	109	99	104	108
480-129995-19 MSD	DPT-8	110	99	104	109
480-129995-20	Trip Blank	101	93	95	112
LCS 480-395765/5	Lab Control Sample	104	96	97	114
LCS 480-395851/5	Lab Control Sample	98	100	100	99
LCS 480-395910/5	Lab Control Sample	86	107	91	90
LCS 480-395914/5	Lab Control Sample	101	102	99	103
LCS 480-396044/4	Lab Control Sample	82	108	90	87
MB 480-395765/7	Method Blank	101	94	94	110
MB 480-395851/8	Method Blank	98	98	99	99
MB 480-395910/8	Method Blank	87	108	93	89

TestAmerica Buffalo

Surrogate Summary

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)							
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)				
MB 480-395914/10	Method Blank	98	100	99	100				
MB 480-396044/6	Method Blank	112	96	106	109				

Surrogate Legend

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

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: MB 480-395765/7

Matrix: Water

Analysis Batch: 395765

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			01/15/18 11:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/15/18 11:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/15/18 11:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/15/18 11:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/15/18 11:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/15/18 11:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/15/18 11:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/15/18 11:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/15/18 11:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/15/18 11:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/15/18 11:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/15/18 11:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/15/18 11:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/15/18 11:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/15/18 11:21	1
2-Hexanone	ND		5.0	1.2	ug/L			01/15/18 11:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/15/18 11:21	1
Acetone	ND		10	3.0	ug/L			01/15/18 11:21	1
Benzene	ND		1.0	0.41	ug/L			01/15/18 11:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/15/18 11:21	1
Bromoform	ND		1.0	0.26	ug/L			01/15/18 11:21	1
Bromomethane	ND		1.0	0.69	ug/L			01/15/18 11:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/15/18 11:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/15/18 11:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/15/18 11:21	1
Chloroethane	ND		1.0	0.32	ug/L			01/15/18 11:21	1
Chloroform	ND		1.0	0.34	ug/L			01/15/18 11:21	1
Chloromethane	ND		1.0	0.35	ug/L			01/15/18 11:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/15/18 11:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/15/18 11:21	1
Cyclohexane	ND		1.0	0.18	ug/L			01/15/18 11:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/15/18 11:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/15/18 11:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/15/18 11:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/15/18 11:21	1
Methyl acetate	ND		2.5	1.3	ug/L			01/15/18 11:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/15/18 11:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/15/18 11:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/15/18 11:21	1
Styrene	ND		1.0	0.73	ug/L			01/15/18 11:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/15/18 11:21	1
Toluene	ND		1.0	0.51	ug/L			01/15/18 11:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/15/18 11:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/15/18 11:21	1
Trichloroethene	ND		1.0	0.46	ug/L			01/15/18 11:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/15/18 11:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/15/18 11:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/15/18 11:21	1

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.

TestAmerica Job ID: 480-129995-1

Project/Site: Scott Figgie West of Plant 2

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		01/15/18 11:21	1
4-Bromofluorobenzene (Surr)	94		73 - 120		01/15/18 11:21	1
Toluene-d8 (Surr)	94		80 - 120		01/15/18 11:21	1
Dibromofluoromethane (Surr)	110		75 - 123		01/15/18 11:21	1

Lab Sample ID: LCS 480-395765/5

Matrix: Water

Analysis Batch: 395765

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.0		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.1		ug/L		84	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.0		ug/L		108	61 - 148
1,1,2-Trichloroethane	25.0	23.6		ug/L		95	76 - 122
1,1-Dichloroethane	25.0	25.2		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	27.3		ug/L		109	66 - 127
1,2,4-Trichlorobenzene	25.0	21.7		ug/L		87	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	17.1		ug/L		68	56 - 134
1,2-Dibromoethane	25.0	24.3		ug/L		97	77 - 120
1,2-Dichlorobenzene	25.0	22.0		ug/L		88	80 - 124
1,2-Dichloroethane	25.0	23.5		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	26.8		ug/L		107	76 - 120
1,3-Dichlorobenzene	25.0	22.2		ug/L		89	77 - 120
1,4-Dichlorobenzene	25.0	22.5		ug/L		90	80 - 120
2-Butanone (MEK)	125	117		ug/L		94	57 - 140
2-Hexanone	125	105		ug/L		84	65 - 127
4-Methyl-2-pentanone (MIBK)	125	104		ug/L		83	71 - 125
Acetone	125	116		ug/L		92	56 - 142
Benzene	25.0	26.8		ug/L		107	71 - 124
Bromodichloromethane	25.0	28.6		ug/L		114	80 - 122
Bromoform	25.0	24.1		ug/L		96	61 - 132
Bromomethane	25.0	27.6		ug/L		110	55 - 144
Carbon disulfide	25.0	26.5		ug/L		106	59 - 134
Carbon tetrachloride	25.0	26.8		ug/L		107	72 - 134
Chlorobenzene	25.0	23.9		ug/L		96	80 - 120
Chloroethane	25.0	27.9		ug/L		112	69 - 136
Chloroform	25.0	28.1		ug/L		112	73 - 127
Chloromethane	25.0	28.0		ug/L		112	68 - 124
cis-1,2-Dichloroethene	25.0	27.2		ug/L		109	74 - 124
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	74 - 124
Cyclohexane	25.0	23.8		ug/L		95	59 - 135
Dibromochloromethane	25.0	24.5		ug/L		98	75 - 125
Dichlorodifluoromethane	25.0	25.5		ug/L		102	59 - 135
Ethylbenzene	25.0	23.2		ug/L		93	77 - 123
Isopropylbenzene	25.0	21.3		ug/L		85	77 - 122
Methyl acetate	50.0	47.8		ug/L		96	74 - 133
Methyl tert-butyl ether	25.0	24.9		ug/L		100	77 - 120
Methylcyclohexane	25.0	26.6		ug/L		107	68 - 134
Methylene Chloride	25.0	25.5		ug/L		102	75 - 124
Styrene	25.0	23.5		ug/L		94	80 - 120
Tetrachloroethene	25.0	25.0		ug/L		100	74 - 122
Toluene	25.0	23.1		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	28.4		ug/L		113	73 - 127

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: LCS 480-395765/5

Matrix: Water

Analysis Batch: 395765

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	25.0	23.3		ug/L		93	80 - 120
Trichloroethene	25.0	28.5		ug/L		114	74 - 123
Trichlorofluoromethane	25.0	26.6		ug/L		106	62 - 150
Vinyl chloride	25.0	26.6		ug/L		107	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Toluene-d8 (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	114		75 - 123

Lab Sample ID: 480-129995-3 MS

Matrix: Water

Analysis Batch: 395765

Client Sample ID: MW-4

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		125	139		ug/L		112	73 - 126
1,1,2,2-Tetrachloroethane	ND		125	113		ug/L		90	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		125	136		ug/L		109	61 - 148
1,1,2-Trichloroethane	ND		125	111		ug/L		89	76 - 122
1,1-Dichloroethane	8.0		125	136		ug/L		103	77 - 120
1,1-Dichloroethene	ND		125	140		ug/L		112	66 - 127
1,2,4-Trichlorobenzene	ND		125	109		ug/L		87	79 - 122
1,2-Dibromo-3-Chloropropane	ND		125	93.4		ug/L		75	56 - 134
1,2-Dibromoethane	ND		125	120		ug/L		96	77 - 120
1,2-Dichlorobenzene	ND		125	115		ug/L		92	80 - 124
1,2-Dichloroethane	ND		125	119		ug/L		95	75 - 120
1,2-Dichloropropane	ND		125	132		ug/L		106	76 - 120
1,3-Dichlorobenzene	ND		125	112		ug/L		90	77 - 120
1,4-Dichlorobenzene	ND		125	114		ug/L		91	78 - 124
2-Butanone (MEK)	210		625	791		ug/L		93	57 - 140
2-Hexanone	ND		625	546		ug/L		87	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		625	545		ug/L		87	71 - 125
Acetone	81		625	572		ug/L		79	56 - 142
Benzene	3.8 J		125	138		ug/L		108	71 - 124
Bromodichloromethane	ND		125	140		ug/L		112	80 - 122
Bromoform	ND		125	115		ug/L		92	61 - 132
Bromomethane	ND		125	142		ug/L		114	55 - 144
Carbon disulfide	ND		125	137		ug/L		110	59 - 134
Carbon tetrachloride	ND		125	136		ug/L		109	72 - 134
Chlorobenzene	ND		125	117		ug/L		93	80 - 120
Chloroethane	660 E		125	697 E 4		ug/L		28	69 - 136
Chloroform	ND		125	139		ug/L		111	73 - 127
Chloromethane	ND		125	143		ug/L		114	68 - 124
cis-1,2-Dichloroethene	6.0		125	135		ug/L		103	74 - 124
cis-1,3-Dichloropropene	ND		125	126		ug/L		101	74 - 124
Cyclohexane	ND		125	122		ug/L		98	59 - 135

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: 480-129995-3 MS

Matrix: Water

Analysis Batch: 395765

Client Sample ID: MW-4

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibromochloromethane	ND		125	118		ug/L		95	75 - 125
Dichlorodifluoromethane	ND		125	130		ug/L		104	59 - 135
Ethylbenzene	ND		125	114		ug/L		92	77 - 123
Isopropylbenzene	ND		125	110		ug/L		88	77 - 122
Methyl acetate	ND		250	232		ug/L		93	74 - 133
Methyl tert-butyl ether	ND		125	126		ug/L		101	77 - 120
Methylcyclohexane	ND		125	132		ug/L		106	68 - 134
Methylene Chloride	ND		125	128		ug/L		102	75 - 124
Styrene	ND		125	117		ug/L		94	80 - 120
Tetrachloroethene	ND		125	120		ug/L		96	74 - 122
Toluene	11		125	125		ug/L		91	80 - 122
trans-1,2-Dichloroethene	16		125	153		ug/L		110	73 - 127
trans-1,3-Dichloropropene	ND		125	109		ug/L		87	80 - 120
Trichloroethene	ND		125	140		ug/L		112	74 - 123
Trichlorofluoromethane	ND		125	136		ug/L		108	62 - 150
Vinyl chloride	46		125	184		ug/L		110	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	94		73 - 120
Toluene-d8 (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	109		75 - 123

Lab Sample ID: 480-129995-3 MSD

Matrix: Water

Analysis Batch: 395765

Client Sample ID: MW-4

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		125	139		ug/L		112	73 - 126	0	15
1,1,2,2-Tetrachloroethane	ND		125	109		ug/L		87	76 - 120	3	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		125	138		ug/L		111	61 - 148	2	20
1,1,2-Trichloroethane	ND		125	114		ug/L		91	76 - 122	3	15
1,1-Dichloroethane	8.0		125	136		ug/L		102	77 - 120	0	20
1,1-Dichloroethene	ND		125	136		ug/L		109	66 - 127	3	16
1,2,4-Trichlorobenzene	ND		125	108		ug/L		86	79 - 122	1	20
1,2-Dibromo-3-Chloropropane	ND		125	86.4		ug/L		69	56 - 134	8	15
1,2-Dibromoethane	ND		125	121		ug/L		97	77 - 120	1	15
1,2-Dichlorobenzene	ND		125	115		ug/L		92	80 - 124	0	20
1,2-Dichloroethane	ND		125	120		ug/L		96	75 - 120	1	20
1,2-Dichloropropane	ND		125	134		ug/L		107	76 - 120	1	20
1,3-Dichlorobenzene	ND		125	113		ug/L		90	77 - 120	1	20
1,4-Dichlorobenzene	ND		125	112		ug/L		90	78 - 124	2	20
2-Butanone (MEK)	210		625	731		ug/L		84	57 - 140	8	20
2-Hexanone	ND		625	493		ug/L		79	65 - 127	10	15
4-Methyl-2-pentanone (MIBK)	ND		625	507		ug/L		81	71 - 125	7	35
Acetone	81		625	526		ug/L		71	56 - 142	8	15
Benzene	3.8	J	125	138		ug/L		107	71 - 124	1	13

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: 480-129995-3 MSD

Matrix: Water

Analysis Batch: 395765

Client Sample ID: MW-4

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromodichloromethane	ND		125	142		ug/L		114	80 - 122	2	15
Bromoform	ND		125	118		ug/L		94	61 - 132	2	15
Bromomethane	ND		125	142		ug/L		114	55 - 144	0	15
Carbon disulfide	ND		125	139		ug/L		111	59 - 134	1	15
Carbon tetrachloride	ND		125	138		ug/L		111	72 - 134	1	15
Chlorobenzene	ND		125	118		ug/L		94	80 - 120	1	25
Chloroethane	660	E	125	727	E 4	ug/L		52	69 - 136	4	15
Chloroform	ND		125	140		ug/L		112	73 - 127	1	20
Chloromethane	ND		125	142		ug/L		113	68 - 124	1	15
cis-1,2-Dichloroethene	6.0		125	138		ug/L		105	74 - 124	2	15
cis-1,3-Dichloropropene	ND		125	130		ug/L		104	74 - 124	3	15
Cyclohexane	ND		125	123		ug/L		98	59 - 135	1	20
Dibromochloromethane	ND		125	123		ug/L		98	75 - 125	4	15
Dichlorodifluoromethane	ND		125	131		ug/L		105	59 - 135	1	20
Ethylbenzene	ND		125	114		ug/L		91	77 - 123	0	15
Isopropylbenzene	ND		125	111		ug/L		89	77 - 122	1	20
Methyl acetate	ND		250	220		ug/L		88	74 - 133	6	20
Methyl tert-butyl ether	ND		125	126		ug/L		100	77 - 120	0	37
Methylcyclohexane	ND		125	136		ug/L		109	68 - 134	3	20
Methylene Chloride	ND		125	133		ug/L		106	75 - 124	4	15
Styrene	ND		125	117		ug/L		94	80 - 120	0	20
Tetrachloroethene	ND		125	118		ug/L		95	74 - 122	2	20
Toluene	11		125	126		ug/L		91	80 - 122	0	15
trans-1,2-Dichloroethene	16		125	157		ug/L		113	73 - 127	3	20
trans-1,3-Dichloropropene	ND		125	110		ug/L		88	80 - 120	1	15
Trichloroethene	ND		125	138		ug/L		111	74 - 123	1	16
Trichlorofluoromethane	ND		125	137		ug/L		109	62 - 150	1	20
Vinyl chloride	46		125	187		ug/L		113	65 - 133	2	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	113		75 - 123

Lab Sample ID: MB 480-395851/8

Matrix: Water

Analysis Batch: 395851

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			01/15/18 15:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/15/18 15:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/15/18 15:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/15/18 15:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/15/18 15:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/15/18 15:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/15/18 15:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/15/18 15:36	1

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: MB 480-395851/8

Matrix: Water

Analysis Batch: 395851

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/15/18 15:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/15/18 15:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/15/18 15:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/15/18 15:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/15/18 15:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/15/18 15:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/15/18 15:36	1
2-Hexanone	ND		5.0	1.2	ug/L			01/15/18 15:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/15/18 15:36	1
Acetone	ND		10	3.0	ug/L			01/15/18 15:36	1
Benzene	ND		1.0	0.41	ug/L			01/15/18 15:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/15/18 15:36	1
Bromoform	ND		1.0	0.26	ug/L			01/15/18 15:36	1
Bromomethane	ND		1.0	0.69	ug/L			01/15/18 15:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/15/18 15:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/15/18 15:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/15/18 15:36	1
Chloroethane	ND		1.0	0.32	ug/L			01/15/18 15:36	1
Chloroform	ND		1.0	0.34	ug/L			01/15/18 15:36	1
Chloromethane	ND		1.0	0.35	ug/L			01/15/18 15:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/15/18 15:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/15/18 15:36	1
Cyclohexane	ND		1.0	0.18	ug/L			01/15/18 15:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/15/18 15:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/15/18 15:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/15/18 15:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/15/18 15:36	1
Methyl acetate	ND		2.5	1.3	ug/L			01/15/18 15:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/15/18 15:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/15/18 15:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/15/18 15:36	1
Styrene	ND		1.0	0.73	ug/L			01/15/18 15:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/15/18 15:36	1
Toluene	ND		1.0	0.51	ug/L			01/15/18 15:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/15/18 15:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/15/18 15:36	1
Trichloroethene	ND		1.0	0.46	ug/L			01/15/18 15:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/15/18 15:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/15/18 15:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/15/18 15:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		01/15/18 15:36	1
4-Bromofluorobenzene (Surr)	98		73 - 120		01/15/18 15:36	1
Toluene-d8 (Surr)	99		80 - 120		01/15/18 15:36	1
Dibromofluoromethane (Surr)	99		75 - 123		01/15/18 15:36	1

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: LCS 480-395851/5

Matrix: Water

Analysis Batch: 395851

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.7		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.0		ug/L		104	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.5		ug/L		114	61 - 148
1,1,2-Trichloroethane	25.0	25.7		ug/L		103	76 - 122
1,1-Dichloroethane	25.0	26.6		ug/L		106	77 - 120
1,1-Dichloroethene	25.0	25.3		ug/L		101	66 - 127
1,2,4-Trichlorobenzene	25.0	26.1		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.4		ug/L		106	56 - 134
1,2-Dibromoethane	25.0	26.0		ug/L		104	77 - 120
1,2-Dichlorobenzene	25.0	26.3		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	24.6		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	24.2		ug/L		97	76 - 120
1,3-Dichlorobenzene	25.0	26.3		ug/L		105	77 - 120
1,4-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 120
2-Butanone (MEK)	125	246	*	ug/L		197	57 - 140
2-Hexanone	125	127		ug/L		101	65 - 127
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	71 - 125
Acetone	125	126		ug/L		101	56 - 142
Benzene	25.0	26.3		ug/L		105	71 - 124
Bromodichloromethane	25.0	25.8		ug/L		103	80 - 122
Bromoform	25.0	27.1		ug/L		108	61 - 132
Bromomethane	25.0	24.1		ug/L		97	55 - 144
Carbon disulfide	25.0	26.5		ug/L		106	59 - 134
Carbon tetrachloride	25.0	26.9		ug/L		107	72 - 134
Chlorobenzene	25.0	25.7		ug/L		103	80 - 120
Chloroethane	25.0	23.0		ug/L		92	69 - 136
Chloroform	25.0	23.6		ug/L		94	73 - 127
Chloromethane	25.0	25.2		ug/L		101	68 - 124
cis-1,2-Dichloroethene	25.0	25.1		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	26.3		ug/L		105	74 - 124
Cyclohexane	25.0	26.6		ug/L		106	59 - 135
Dibromochloromethane	25.0	26.8		ug/L		107	75 - 125
Dichlorodifluoromethane	25.0	25.9		ug/L		103	59 - 135
Ethylbenzene	25.0	25.4		ug/L		102	77 - 123
Isopropylbenzene	25.0	25.6		ug/L		102	77 - 122
Methyl acetate	50.0	49.8		ug/L		100	74 - 133
Methyl tert-butyl ether	25.0	25.9		ug/L		103	77 - 120
Methylcyclohexane	25.0	26.0		ug/L		104	68 - 134
Methylene Chloride	25.0	24.3		ug/L		97	75 - 124
Styrene	25.0	25.5		ug/L		102	80 - 120
Tetrachloroethene	25.0	27.7		ug/L		111	74 - 122
Toluene	25.0	25.6		ug/L		102	80 - 122
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	26.7		ug/L		107	80 - 120
Trichloroethene	25.0	25.3		ug/L		101	74 - 123
Trichlorofluoromethane	25.0	24.7		ug/L		99	62 - 150
Vinyl chloride	25.0	24.6		ug/L		98	65 - 133

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: LCS 480-395851/5

Matrix: Water

Analysis Batch: 395851

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	99		75 - 123

Lab Sample ID: MB 480-395910/8

Matrix: Water

Analysis Batch: 395910

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			01/16/18 10:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/16/18 10:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/16/18 10:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/16/18 10:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/16/18 10:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/16/18 10:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/16/18 10:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/16/18 10:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/16/18 10:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/16/18 10:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/16/18 10:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/16/18 10:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/16/18 10:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/16/18 10:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/16/18 10:58	1
2-Hexanone	ND		5.0	1.2	ug/L			01/16/18 10:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/16/18 10:58	1
Acetone	ND		10	3.0	ug/L			01/16/18 10:58	1
Benzene	ND		1.0	0.41	ug/L			01/16/18 10:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/16/18 10:58	1
Bromoform	ND		1.0	0.26	ug/L			01/16/18 10:58	1
Bromomethane	ND		1.0	0.69	ug/L			01/16/18 10:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/16/18 10:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/16/18 10:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/16/18 10:58	1
Chloroethane	ND		1.0	0.32	ug/L			01/16/18 10:58	1
Chloroform	ND		1.0	0.34	ug/L			01/16/18 10:58	1
Chloromethane	ND		1.0	0.35	ug/L			01/16/18 10:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/16/18 10:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/16/18 10:58	1
Cyclohexane	ND		1.0	0.18	ug/L			01/16/18 10:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/16/18 10:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/16/18 10:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/16/18 10:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/16/18 10:58	1
Methyl acetate	ND		2.5	1.3	ug/L			01/16/18 10:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/16/18 10:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/16/18 10:58	1

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: MB 480-395910/8

Matrix: Water

Analysis Batch: 395910

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.44	ug/L			01/16/18 10:58	1
Styrene	ND		1.0	0.73	ug/L			01/16/18 10:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/16/18 10:58	1
Toluene	ND		1.0	0.51	ug/L			01/16/18 10:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/16/18 10:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/16/18 10:58	1
Trichloroethene	ND		1.0	0.46	ug/L			01/16/18 10:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/16/18 10:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/16/18 10:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/16/18 10:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		77 - 120		01/16/18 10:58	1
4-Bromofluorobenzene (Surr)	108		73 - 120		01/16/18 10:58	1
Toluene-d8 (Surr)	93		80 - 120		01/16/18 10:58	1
Dibromofluoromethane (Surr)	89		75 - 123		01/16/18 10:58	1

Lab Sample ID: LCS 480-395910/5

Matrix: Water

Analysis Batch: 395910

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.1		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.7		ug/L		103	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.5		ug/L		106	61 - 148
1,1,2-Trichloroethane	25.0	25.8		ug/L		103	76 - 122
1,1-Dichloroethane	25.0	25.4		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	24.8		ug/L		99	66 - 127
1,2,4-Trichlorobenzene	25.0	26.0		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.1		ug/L		96	56 - 134
1,2-Dibromoethane	25.0	25.9		ug/L		104	77 - 120
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	25.7		ug/L		103	76 - 120
1,3-Dichlorobenzene	25.0	25.3		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	25.6		ug/L		102	80 - 120
2-Butanone (MEK)	125	131		ug/L		105	57 - 140
2-Hexanone	125	132		ug/L		106	65 - 127
4-Methyl-2-pentanone (MIBK)	125	132		ug/L		105	71 - 125
Acetone	125	135		ug/L		108	56 - 142
Benzene	25.0	25.4		ug/L		101	71 - 124
Bromodichloromethane	25.0	25.5		ug/L		102	80 - 122
Bromoform	25.0	26.3		ug/L		105	61 - 132
Bromomethane	25.0	25.5		ug/L		102	55 - 144
Carbon disulfide	25.0	25.2		ug/L		101	59 - 134
Carbon tetrachloride	25.0	26.6		ug/L		106	72 - 134
Chlorobenzene	25.0	25.2		ug/L		101	80 - 120

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: LCS 480-395910/5

Matrix: Water

Analysis Batch: 395910

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	25.0	25.9		ug/L		104	69 - 136
Chloroform	25.0	24.8		ug/L		99	73 - 127
Chloromethane	25.0	27.2		ug/L		109	68 - 124
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	25.6		ug/L		103	74 - 124
Cyclohexane	25.0	26.7		ug/L		107	59 - 135
Dibromochloromethane	25.0	25.8		ug/L		103	75 - 125
Dichlorodifluoromethane	25.0	30.4		ug/L		122	59 - 135
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123
Isopropylbenzene	25.0	25.8		ug/L		103	77 - 122
Methyl acetate	50.0	51.6		ug/L		103	74 - 133
Methyl tert-butyl ether	25.0	25.3		ug/L		101	77 - 120
Methylcyclohexane	25.0	27.3		ug/L		109	68 - 134
Methylene Chloride	25.0	22.6		ug/L		91	75 - 124
Styrene	25.0	26.2		ug/L		105	80 - 120
Tetrachloroethene	25.0	25.9		ug/L		103	74 - 122
Toluene	25.0	25.3		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	24.3		ug/L		97	73 - 127
trans-1,3-Dichloropropene	25.0	26.0		ug/L		104	80 - 120
Trichloroethene	25.0	25.2		ug/L		101	74 - 123
Trichlorofluoromethane	25.0	26.9		ug/L		108	62 - 150
Vinyl chloride	25.0	26.1		ug/L		104	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		77 - 120
4-Bromofluorobenzene (Surr)	107		73 - 120
Toluene-d8 (Surr)	91		80 - 120
Dibromofluoromethane (Surr)	90		75 - 123

Lab Sample ID: MB 480-395914/10

Matrix: Water

Analysis Batch: 395914

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			01/16/18 11:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/16/18 11:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/16/18 11:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/16/18 11:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/16/18 11:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/16/18 11:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/16/18 11:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/16/18 11:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/16/18 11:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/16/18 11:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/16/18 11:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/16/18 11:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/16/18 11:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/16/18 11:34	1

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: MB 480-395914/10

Matrix: Water

Analysis Batch: 395914

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			01/16/18 11:34	1
2-Hexanone	ND		5.0	1.2	ug/L			01/16/18 11:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/16/18 11:34	1
Acetone	ND		10	3.0	ug/L			01/16/18 11:34	1
Benzene	ND		1.0	0.41	ug/L			01/16/18 11:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/16/18 11:34	1
Bromoform	ND		1.0	0.26	ug/L			01/16/18 11:34	1
Bromomethane	ND		1.0	0.69	ug/L			01/16/18 11:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/16/18 11:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/16/18 11:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/16/18 11:34	1
Chloroethane	ND		1.0	0.32	ug/L			01/16/18 11:34	1
Chloroform	ND		1.0	0.34	ug/L			01/16/18 11:34	1
Chloromethane	ND		1.0	0.35	ug/L			01/16/18 11:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/16/18 11:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/16/18 11:34	1
Cyclohexane	ND		1.0	0.18	ug/L			01/16/18 11:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/16/18 11:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/16/18 11:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/16/18 11:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/16/18 11:34	1
Methyl acetate	ND		2.5	1.3	ug/L			01/16/18 11:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/16/18 11:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/16/18 11:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/16/18 11:34	1
Styrene	ND		1.0	0.73	ug/L			01/16/18 11:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/16/18 11:34	1
Toluene	ND		1.0	0.51	ug/L			01/16/18 11:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/16/18 11:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/16/18 11:34	1
Trichloroethene	ND		1.0	0.46	ug/L			01/16/18 11:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/16/18 11:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/16/18 11:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/16/18 11:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		01/16/18 11:34	1
4-Bromofluorobenzene (Surr)	100		73 - 120		01/16/18 11:34	1
Toluene-d8 (Surr)	99		80 - 120		01/16/18 11:34	1
Dibromofluoromethane (Surr)	100		75 - 123		01/16/18 11:34	1

Lab Sample ID: LCS 480-395914/5

Matrix: Water

Analysis Batch: 395914

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.7		ug/L		103	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.9		ug/L		100	76 - 120

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: LCS 480-395914/5

Matrix: Water

Analysis Batch: 395914

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.5		ug/L		110	61 - 148
1,1,2-Trichloroethane	25.0	24.3		ug/L		97	76 - 122
1,1-Dichloroethane	25.0	25.7		ug/L		103	77 - 120
1,1-Dichloroethene	25.0	25.1		ug/L		100	66 - 127
1,2,4-Trichlorobenzene	25.0	26.0		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.9		ug/L		108	56 - 134
1,2-Dibromoethane	25.0	25.0		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	24.5		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	23.8		ug/L		95	76 - 120
1,3-Dichlorobenzene	25.0	26.0		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 120
2-Butanone (MEK)	125	247	*	ug/L		197	57 - 140
2-Hexanone	125	125		ug/L		100	65 - 127
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	71 - 125
Acetone	125	128		ug/L		102	56 - 142
Benzene	25.0	25.1		ug/L		101	71 - 124
Bromodichloromethane	25.0	25.4		ug/L		102	80 - 122
Bromoform	25.0	25.7		ug/L		103	61 - 132
Bromomethane	25.0	22.9		ug/L		92	55 - 144
Carbon disulfide	25.0	25.6		ug/L		102	59 - 134
Carbon tetrachloride	25.0	26.1		ug/L		104	72 - 134
Chlorobenzene	25.0	24.8		ug/L		99	80 - 120
Chloroethane	25.0	22.0		ug/L		88	69 - 136
Chloroform	25.0	23.4		ug/L		94	73 - 127
Chloromethane	25.0	24.6		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	25.5		ug/L		102	74 - 124
Cyclohexane	25.0	26.3		ug/L		105	59 - 135
Dibromochloromethane	25.0	25.7		ug/L		103	75 - 125
Dichlorodifluoromethane	25.0	26.0		ug/L		104	59 - 135
Ethylbenzene	25.0	24.7		ug/L		99	77 - 123
Isopropylbenzene	25.0	25.6		ug/L		103	77 - 122
Methyl acetate	50.0	52.0		ug/L		104	74 - 133
Methyl tert-butyl ether	25.0	25.7		ug/L		103	77 - 120
Methylcyclohexane	25.0	25.8		ug/L		103	68 - 134
Methylene Chloride	25.0	23.8		ug/L		95	75 - 124
Styrene	25.0	25.3		ug/L		101	80 - 120
Tetrachloroethene	25.0	26.7		ug/L		107	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	24.7		ug/L		99	73 - 127
trans-1,3-Dichloropropene	25.0	24.7		ug/L		99	80 - 120
Trichloroethene	25.0	24.5		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	25.0		ug/L		100	62 - 150
Vinyl chloride	25.0	24.1		ug/L		97	65 - 133

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: LCS 480-395914/5

Matrix: Water

Analysis Batch: 395914

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	103		75 - 123

Lab Sample ID: 480-129995-7 MS

Matrix: Water

Analysis Batch: 395914

Client Sample ID: MW-16S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		25000	28800		ug/L		115	73 - 126
1,1,2,2-Tetrachloroethane	ND		25000	25700		ug/L		103	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25000	31000		ug/L		124	61 - 148
1,1,2-Trichloroethane	ND		25000	25400		ug/L		102	76 - 122
1,1-Dichloroethane	ND		25000	27300		ug/L		109	77 - 120
1,1-Dichloroethene	ND		25000	27600		ug/L		111	66 - 127
1,2,4-Trichlorobenzene	ND		25000	27200		ug/L		109	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25000	26500		ug/L		106	56 - 134
1,2-Dibromoethane	ND		25000	26300		ug/L		105	77 - 120
1,2-Dichlorobenzene	ND		25000	27100		ug/L		108	80 - 124
1,2-Dichloroethane	ND		25000	25700		ug/L		103	75 - 120
1,2-Dichloropropane	ND		25000	25000		ug/L		100	76 - 120
1,3-Dichlorobenzene	ND		25000	27900		ug/L		111	77 - 120
1,4-Dichlorobenzene	ND		25000	27100		ug/L		108	78 - 124
2-Butanone (MEK)	ND	*	125000	138000		ug/L		110	57 - 140
2-Hexanone	ND		125000	132000		ug/L		105	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125000	130000		ug/L		104	71 - 125
Acetone	ND		125000	138000		ug/L		111	56 - 142
Benzene	ND		25000	28000		ug/L		112	71 - 124
Bromodichloromethane	ND		25000	27000		ug/L		108	80 - 122
Bromoform	ND		25000	26400		ug/L		106	61 - 132
Bromomethane	ND		25000	25100		ug/L		100	55 - 144
Carbon disulfide	ND		25000	28800		ug/L		115	59 - 134
Carbon tetrachloride	ND		25000	29200		ug/L		117	72 - 134
Chlorobenzene	ND		25000	26800		ug/L		107	80 - 120
Chloroethane	1800		25000	27100		ug/L		101	69 - 136
Chloroform	ND		25000	25200		ug/L		101	73 - 127
Chloromethane	ND		25000	26500		ug/L		106	68 - 124
cis-1,2-Dichloroethene	9600		25000	36900		ug/L		109	74 - 124
cis-1,3-Dichloropropene	ND		25000	27000		ug/L		108	74 - 124
Cyclohexane	ND		25000	29100		ug/L		117	59 - 135
Dibromochloromethane	ND		25000	26200		ug/L		105	75 - 125
Dichlorodifluoromethane	ND		25000	28100		ug/L		112	59 - 135
Ethylbenzene	ND		25000	27200		ug/L		109	77 - 123
Isopropylbenzene	ND		25000	27600		ug/L		110	77 - 122
Methyl acetate	ND		50000	50100		ug/L		100	74 - 133
Methyl tert-butyl ether	ND		25000	26400		ug/L		106	77 - 120

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: 480-129995-7 MS

Matrix: Water

Analysis Batch: 395914

Client Sample ID: MW-16S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	ND		25000	28100		ug/L		113	68 - 134
Methylene Chloride	780	J	25000	29200		ug/L		114	75 - 124
Styrene	ND		25000	26700		ug/L		107	80 - 120
Tetrachloroethene	ND		25000	29200		ug/L		117	74 - 122
Toluene	550	J	25000	27500		ug/L		108	80 - 122
trans-1,2-Dichloroethene	ND		25000	28000		ug/L		112	73 - 127
trans-1,3-Dichloropropene	ND		25000	26200		ug/L		105	80 - 120
Trichloroethene	ND		25000	27700		ug/L		111	74 - 123
Trichlorofluoromethane	ND		25000	27900		ug/L		111	62 - 150
Vinyl chloride	54000	F1	25000	88100	F1	ug/L		135	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: 480-129995-7 MSD

Matrix: Water

Analysis Batch: 395914

Client Sample ID: MW-16S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25000	27500		ug/L		110	73 - 126	5	15
1,1,2,2-Tetrachloroethane	ND		25000	25700		ug/L		103	76 - 120	0	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25000	29000		ug/L		116	61 - 148	6	20
1,1,2-Trichloroethane	ND		25000	25700		ug/L		103	76 - 122	1	15
1,1-Dichloroethane	ND		25000	26200		ug/L		105	77 - 120	4	20
1,1-Dichloroethene	ND		25000	27300		ug/L		109	66 - 127	1	16
1,2,4-Trichlorobenzene	ND		25000	26500		ug/L		106	79 - 122	3	20
1,2-Dibromo-3-Chloropropane	ND		25000	25700		ug/L		103	56 - 134	3	15
1,2-Dibromoethane	ND		25000	25900		ug/L		104	77 - 120	2	15
1,2-Dichlorobenzene	ND		25000	26700		ug/L		107	80 - 124	1	20
1,2-Dichloroethane	ND		25000	25500		ug/L		102	75 - 120	0	20
1,2-Dichloropropane	ND		25000	24800		ug/L		99	76 - 120	1	20
1,3-Dichlorobenzene	ND		25000	26300		ug/L		105	77 - 120	6	20
1,4-Dichlorobenzene	ND		25000	25800		ug/L		103	78 - 124	5	20
2-Butanone (MEK)	ND	*	125000	136000		ug/L		109	57 - 140	2	20
2-Hexanone	ND		125000	131000		ug/L		105	65 - 127	0	15
4-Methyl-2-pentanone (MIBK)	ND		125000	129000		ug/L		103	71 - 125	0	35
Acetone	ND		125000	138000		ug/L		110	56 - 142	0	15
Benzene	ND		25000	27200		ug/L		109	71 - 124	3	13
Bromodichloromethane	ND		25000	26600		ug/L		106	80 - 122	2	15
Bromoform	ND		25000	26400		ug/L		106	61 - 132	0	15
Bromomethane	ND		25000	24600		ug/L		98	55 - 144	2	15
Carbon disulfide	ND		25000	27200		ug/L		109	59 - 134	6	15
Carbon tetrachloride	ND		25000	27700		ug/L		111	72 - 134	5	15
Chlorobenzene	ND		25000	25900		ug/L		104	80 - 120	3	25

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: 480-129995-7 MSD

Matrix: Water

Analysis Batch: 395914

Client Sample ID: MW-16S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	1800		25000	25600		ug/L		95	69 - 136	6	15
Chloroform	ND		25000	24500		ug/L		98	73 - 127	3	20
Chloromethane	ND		25000	25300		ug/L		101	68 - 124	5	15
cis-1,2-Dichloroethene	9600		25000	36500		ug/L		108	74 - 124	1	15
cis-1,3-Dichloropropene	ND		25000	26900		ug/L		108	74 - 124	0	15
Cyclohexane	ND		25000	28000		ug/L		112	59 - 135	4	20
Dibromochloromethane	ND		25000	26700		ug/L		107	75 - 125	2	15
Dichlorodifluoromethane	ND		25000	26900		ug/L		108	59 - 135	4	20
Ethylbenzene	ND		25000	26400		ug/L		106	77 - 123	3	15
Isopropylbenzene	ND		25000	26500		ug/L		106	77 - 122	4	20
Methyl acetate	ND		50000	51000		ug/L		102	74 - 133	2	20
Methyl tert-butyl ether	ND		25000	26600		ug/L		107	77 - 120	1	37
Methylcyclohexane	ND		25000	26700		ug/L		107	68 - 134	5	20
Methylene Chloride	780	J	25000	29700		ug/L		116	75 - 124	2	15
Styrene	ND		25000	26300		ug/L		105	80 - 120	1	20
Tetrachloroethene	ND		25000	27800		ug/L		111	74 - 122	5	20
Toluene	550	J	25000	26700		ug/L		105	80 - 122	3	15
trans-1,2-Dichloroethene	ND		25000	26700		ug/L		107	73 - 127	5	20
trans-1,3-Dichloropropene	ND		25000	25400		ug/L		101	80 - 120	3	15
Trichloroethene	ND		25000	26400		ug/L		106	74 - 123	5	16
Trichlorofluoromethane	ND		25000	26500		ug/L		106	62 - 150	5	20
Vinyl chloride	54000	F1	25000	83700		ug/L		117	65 - 133	5	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	104		75 - 123

Lab Sample ID: MB 480-396044/6

Matrix: Water

Analysis Batch: 396044

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			01/16/18 22:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/16/18 22:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/16/18 22:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/16/18 22:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/16/18 22:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/16/18 22:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/16/18 22:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/16/18 22:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/16/18 22:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/16/18 22:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/16/18 22:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/16/18 22:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/16/18 22:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/16/18 22:36	1

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: MB 480-396044/6

Matrix: Water

Analysis Batch: 396044

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			01/16/18 22:36	1
2-Hexanone	ND		5.0	1.2	ug/L			01/16/18 22:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/16/18 22:36	1
Acetone	ND		10	3.0	ug/L			01/16/18 22:36	1
Benzene	ND		1.0	0.41	ug/L			01/16/18 22:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/16/18 22:36	1
Bromoform	ND		1.0	0.26	ug/L			01/16/18 22:36	1
Bromomethane	ND		1.0	0.69	ug/L			01/16/18 22:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/16/18 22:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/16/18 22:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/16/18 22:36	1
Chloroethane	ND		1.0	0.32	ug/L			01/16/18 22:36	1
Chloroform	ND		1.0	0.34	ug/L			01/16/18 22:36	1
Chloromethane	ND		1.0	0.35	ug/L			01/16/18 22:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/16/18 22:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/16/18 22:36	1
Cyclohexane	ND		1.0	0.18	ug/L			01/16/18 22:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/16/18 22:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/16/18 22:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/16/18 22:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/16/18 22:36	1
Methyl acetate	ND		2.5	1.3	ug/L			01/16/18 22:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/16/18 22:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/16/18 22:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/16/18 22:36	1
Styrene	ND		1.0	0.73	ug/L			01/16/18 22:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/16/18 22:36	1
Toluene	ND		1.0	0.51	ug/L			01/16/18 22:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/16/18 22:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/16/18 22:36	1
Trichloroethene	ND		1.0	0.46	ug/L			01/16/18 22:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/16/18 22:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/16/18 22:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/16/18 22:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		01/16/18 22:36	1
4-Bromofluorobenzene (Surr)	96		73 - 120		01/16/18 22:36	1
Toluene-d8 (Surr)	106		80 - 120		01/16/18 22:36	1
Dibromofluoromethane (Surr)	109		75 - 123		01/16/18 22:36	1

Lab Sample ID: LCS 480-396044/4

Matrix: Water

Analysis Batch: 396044

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.7		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.9		ug/L		96	76 - 120

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: LCS 480-396044/4

Matrix: Water

Analysis Batch: 396044

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.5		ug/L		94	61 - 148
1,1,2-Trichloroethane	25.0	24.5		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	24.0		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	22.5		ug/L		90	66 - 127
1,2,4-Trichlorobenzene	25.0	24.5		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.4		ug/L		90	56 - 134
1,2-Dibromoethane	25.0	24.7		ug/L		99	77 - 120
1,2-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	24.3		ug/L		97	75 - 120
1,2-Dichloropropane	25.0	24.9		ug/L		100	76 - 120
1,3-Dichlorobenzene	25.0	24.3		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 120
2-Butanone (MEK)	125	124		ug/L		99	57 - 140
2-Hexanone	125	126		ug/L		101	65 - 127
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		99	71 - 125
Acetone	125	129		ug/L		103	56 - 142
Benzene	25.0	24.4		ug/L		98	71 - 124
Bromodichloromethane	25.0	24.5		ug/L		98	80 - 122
Bromoform	25.0	25.4		ug/L		101	61 - 132
Bromomethane	25.0	23.2		ug/L		93	55 - 144
Carbon disulfide	25.0	23.3		ug/L		93	59 - 134
Carbon tetrachloride	25.0	24.9		ug/L		100	72 - 134
Chlorobenzene	25.0	23.9		ug/L		95	80 - 120
Chloroethane	25.0	23.4		ug/L		94	69 - 136
Chloroform	25.0	23.9		ug/L		96	73 - 127
Chloromethane	25.0	24.6		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	23.9		ug/L		96	74 - 124
cis-1,3-Dichloropropene	25.0	25.1		ug/L		100	74 - 124
Cyclohexane	25.0	24.0		ug/L		96	59 - 135
Dibromochloromethane	25.0	24.4		ug/L		97	75 - 125
Dichlorodifluoromethane	25.0	24.4		ug/L		98	59 - 135
Ethylbenzene	25.0	24.6		ug/L		98	77 - 123
Isopropylbenzene	25.0	24.5		ug/L		98	77 - 122
Methyl acetate	50.0	49.4		ug/L		99	74 - 133
Methyl tert-butyl ether	25.0	24.1		ug/L		97	77 - 120
Methylcyclohexane	25.0	24.6		ug/L		98	68 - 134
Methylene Chloride	25.0	22.6		ug/L		90	75 - 124
Styrene	25.0	25.0		ug/L		100	80 - 120
Tetrachloroethene	25.0	24.2		ug/L		97	74 - 122
Toluene	25.0	24.0		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	23.4		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	24.3		ug/L		97	80 - 120
Trichloroethene	25.0	24.4		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	22.2		ug/L		89	62 - 150
Vinyl chloride	25.0	22.4		ug/L		90	65 - 133

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: LCS 480-396044/4

Matrix: Water

Analysis Batch: 396044

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	82		77 - 120
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	90		80 - 120
Dibromofluoromethane (Surr)	87		75 - 123

Lab Sample ID: 480-129995-19 MS

Matrix: Water

Analysis Batch: 396044

Client Sample ID: DPT-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		500	584		ug/L		117	73 - 126
1,1,2,2-Tetrachloroethane	ND		500	529		ug/L		106	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	523		ug/L		105	61 - 148
1,1,2-Trichloroethane	ND		500	544		ug/L		109	76 - 122
1,1-Dichloroethane	50		500	597		ug/L		109	77 - 120
1,1-Dichloroethene	8.2	J	500	530		ug/L		104	66 - 127
1,2,4-Trichlorobenzene	ND		500	526		ug/L		105	79 - 122
1,2-Dibromo-3-Chloropropane	ND		500	471		ug/L		94	56 - 134
1,2-Dibromoethane	ND		500	541		ug/L		108	77 - 120
1,2-Dichlorobenzene	ND		500	534		ug/L		107	80 - 124
1,2-Dichloroethane	ND		500	539		ug/L		108	75 - 120
1,2-Dichloropropane	ND		500	562		ug/L		112	76 - 120
1,3-Dichlorobenzene	ND		500	525		ug/L		105	77 - 120
1,4-Dichlorobenzene	ND		500	535		ug/L		107	78 - 124
2-Butanone (MEK)	ND		2500	2510		ug/L		100	57 - 140
2-Hexanone	ND		2500	2530		ug/L		101	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		2500	2690		ug/L		108	71 - 125
Acetone	ND		2500	2210		ug/L		88	56 - 142
Benzene	ND		500	554		ug/L		111	71 - 124
Bromodichloromethane	ND		500	548		ug/L		110	80 - 122
Bromoform	ND		500	539		ug/L		108	61 - 132
Bromomethane	ND		500	512		ug/L		102	55 - 144
Carbon disulfide	ND		500	540		ug/L		108	59 - 134
Carbon tetrachloride	ND		500	574		ug/L		115	72 - 134
Chlorobenzene	ND		500	538		ug/L		108	80 - 120
Chloroethane	22		500	559		ug/L		107	69 - 136
Chloroform	ND		500	540		ug/L		108	73 - 127
Chloromethane	ND		500	562		ug/L		112	68 - 124
cis-1,2-Dichloroethene	540		500	977		ug/L		88	74 - 124
cis-1,3-Dichloropropene	ND		500	533		ug/L		107	74 - 124
Cyclohexane	ND		500	535		ug/L		107	59 - 135
Dibromochloromethane	ND		500	535		ug/L		107	75 - 125
Dichlorodifluoromethane	ND		500	523		ug/L		105	59 - 135
Ethylbenzene	ND		500	553		ug/L		111	77 - 123
Isopropylbenzene	ND		500	547		ug/L		109	77 - 122
Methyl acetate	ND		1000	1090		ug/L		109	74 - 133
Methyl tert-butyl ether	ND		500	531		ug/L		106	77 - 120

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: 480-129995-19 MS

Matrix: Water

Analysis Batch: 396044

Client Sample ID: DPT-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	ND		500	535		ug/L		107	68 - 134
Methylene Chloride	ND		500	498		ug/L		100	75 - 124
Styrene	ND		500	559		ug/L		112	80 - 120
Tetrachloroethene	ND		500	549		ug/L		110	74 - 122
Toluene	ND		500	541		ug/L		108	80 - 122
trans-1,2-Dichloroethene	ND		500	534		ug/L		107	73 - 127
trans-1,3-Dichloropropene	ND		500	525		ug/L		105	80 - 120
Trichloroethene	11	J	500	566		ug/L		111	74 - 123
Trichlorofluoromethane	ND		500	500		ug/L		100	62 - 150
Vinyl chloride	410		500	848		ug/L		87	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		77 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	108		75 - 123

Lab Sample ID: 480-129995-19 MSD

Matrix: Water

Analysis Batch: 396044

Client Sample ID: DPT-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		500	562		ug/L		112	73 - 126	4	15
1,1,2,2-Tetrachloroethane	ND		500	526		ug/L		105	76 - 120	1	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	517		ug/L		103	61 - 148	1	20
1,1,2-Trichloroethane	ND		500	525		ug/L		105	76 - 122	4	15
1,1-Dichloroethane	50		500	571		ug/L		104	77 - 120	4	20
1,1-Dichloroethene	8.2	J	500	510		ug/L		100	66 - 127	4	16
1,2,4-Trichlorobenzene	ND		500	517		ug/L		103	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	ND		500	486		ug/L		97	56 - 134	3	15
1,2-Dibromoethane	ND		500	532		ug/L		106	77 - 120	2	15
1,2-Dichlorobenzene	ND		500	517		ug/L		103	80 - 124	3	20
1,2-Dichloroethane	ND		500	522		ug/L		104	75 - 120	3	20
1,2-Dichloropropane	ND		500	539		ug/L		108	76 - 120	4	20
1,3-Dichlorobenzene	ND		500	512		ug/L		102	77 - 120	2	20
1,4-Dichlorobenzene	ND		500	525		ug/L		105	78 - 124	2	20
2-Butanone (MEK)	ND		2500	2480		ug/L		99	57 - 140	1	20
2-Hexanone	ND		2500	2530		ug/L		101	65 - 127	0	15
4-Methyl-2-pentanone (MIBK)	ND		2500	2670		ug/L		107	71 - 125	1	35
Acetone	ND		2500	2200		ug/L		88	56 - 142	1	15
Benzene	ND		500	537		ug/L		107	71 - 124	3	13
Bromodichloromethane	ND		500	535		ug/L		107	80 - 122	2	15
Bromoform	ND		500	526		ug/L		105	61 - 132	2	15
Bromomethane	ND		500	495		ug/L		99	55 - 144	3	15
Carbon disulfide	ND		500	520		ug/L		104	59 - 134	4	15
Carbon tetrachloride	ND		500	549		ug/L		110	72 - 134	5	15
Chlorobenzene	ND		500	521		ug/L		104	80 - 120	3	25

TestAmerica Buffalo

QC Sample Results

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

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

Lab Sample ID: 480-129995-19 MSD

Matrix: Water

Analysis Batch: 396044

Client Sample ID: DPT-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	22		500	532		ug/L		102	69 - 136	5	15
Chloroform	ND		500	517		ug/L		103	73 - 127	4	20
Chloromethane	ND		500	537		ug/L		107	68 - 124	5	15
cis-1,2-Dichloroethene	540		500	945		ug/L		81	74 - 124	3	15
cis-1,3-Dichloropropene	ND		500	529		ug/L		106	74 - 124	1	15
Cyclohexane	ND		500	540		ug/L		108	59 - 135	1	20
Dibromochloromethane	ND		500	530		ug/L		106	75 - 125	1	15
Dichlorodifluoromethane	ND		500	522		ug/L		104	59 - 135	0	20
Ethylbenzene	ND		500	534		ug/L		107	77 - 123	3	15
Isopropylbenzene	ND		500	534		ug/L		107	77 - 122	2	20
Methyl acetate	ND		1000	1070		ug/L		107	74 - 133	1	20
Methyl tert-butyl ether	ND		500	521		ug/L		104	77 - 120	2	37
Methylcyclohexane	ND		500	534		ug/L		107	68 - 134	0	20
Methylene Chloride	ND		500	485		ug/L		97	75 - 124	3	15
Styrene	ND		500	541		ug/L		108	80 - 120	3	20
Tetrachloroethene	ND		500	521		ug/L		104	74 - 122	5	20
Toluene	ND		500	527		ug/L		105	80 - 122	3	15
trans-1,2-Dichloroethene	ND		500	516		ug/L		103	73 - 127	3	20
trans-1,3-Dichloropropene	ND		500	511		ug/L		102	80 - 120	3	15
Trichloroethene	11	J	500	539		ug/L		105	74 - 123	5	16
Trichlorofluoromethane	ND		500	494		ug/L		99	62 - 150	1	20
Vinyl chloride	410		500	812		ug/L		80	65 - 133	4	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		77 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	109		75 - 123

QC Association Summary

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

GC/MS VOA

Analysis Batch: 395765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-129995-1	MW-2	Total/NA	Ground Water	8260C	
480-129995-3	MW-4	Total/NA	Water	8260C	
480-129995-4	MW-6	Total/NA	Water	8260C	
480-129995-5	MW-10	Total/NA	Water	8260C	
480-129995-6	MW-11	Total/NA	Water	8260C	
480-129995-10	MW-16D	Total/NA	Ground Water	8260C	
480-129995-13	GWCT	Total/NA	Water	8260C	
480-129995-20	Trip Blank	Total/NA	Water	8260C	
MB 480-395765/7	Method Blank	Total/NA	Water	8260C	
LCS 480-395765/5	Lab Control Sample	Total/NA	Water	8260C	
480-129995-3 MS	MW-4	Total/NA	Water	8260C	
480-129995-3 MSD	MW-4	Total/NA	Water	8260C	

Analysis Batch: 395851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-129995-12	MW-13D	Total/NA	Ground Water	8260C	
MB 480-395851/8	Method Blank	Total/NA	Water	8260C	
LCS 480-395851/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 395910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-129995-2	MW-3	Total/NA	Water	8260C	
480-129995-9	Rinse Blank	Total/NA	Water	8260C	
480-129995-15	DPT-2	Total/NA	Water	8260C	
480-129995-16	DPT-4	Total/NA	Water	8260C	
MB 480-395910/8	Method Blank	Total/NA	Water	8260C	
LCS 480-395910/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 395914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-129995-3 - DL	MW-4	Total/NA	Water	8260C	
480-129995-7	MW-16S	Total/NA	Water	8260C	
480-129995-8	Duplicate	Total/NA	Water	8260C	
480-129995-10 - DL	MW-16D	Total/NA	Ground Water	8260C	
480-129995-11	MW-13S	Total/NA	Ground Water	8260C	
MB 480-395914/10	Method Blank	Total/NA	Water	8260C	
LCS 480-395914/5	Lab Control Sample	Total/NA	Water	8260C	
480-129995-7 MS	MW-16S	Total/NA	Water	8260C	
480-129995-7 MSD	MW-16S	Total/NA	Water	8260C	

Analysis Batch: 396044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-129995-14	DPT-1	Total/NA	Water	8260C	
480-129995-17	DPT-5	Total/NA	Water	8260C	
480-129995-18	DPT-7	Total/NA	Water	8260C	
480-129995-19	DPT-8	Total/NA	Water	8260C	
MB 480-396044/6	Method Blank	Total/NA	Water	8260C	
LCS 480-396044/4	Lab Control Sample	Total/NA	Water	8260C	
480-129995-19 MS	DPT-8	Total/NA	Water	8260C	
480-129995-19 MSD	DPT-8	Total/NA	Water	8260C	

Lab Chronicle

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-2
Date Collected: 01/08/18 11:15
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395765	01/15/18 14:25	RLB	TAL BUF

Client Sample ID: MW-3
Date Collected: 01/10/18 10:15
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395910	01/16/18 15:47	KMN	TAL BUF

Client Sample ID: MW-4
Date Collected: 01/08/18 12:25
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	395765	01/15/18 14:52	RLB	TAL BUF
Total/NA	Analysis	8260C	DL	10	395914	01/16/18 12:22	KMN	TAL BUF

Client Sample ID: MW-6
Date Collected: 01/08/18 09:35
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395765	01/15/18 15:20	RLB	TAL BUF

Client Sample ID: MW-10
Date Collected: 01/08/18 11:05
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395765	01/15/18 15:47	RLB	TAL BUF

Client Sample ID: MW-11
Date Collected: 01/08/18 15:50
Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395765	01/15/18 16:14	RLB	TAL BUF

Lab Chronicle

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: MW-16S

Date Collected: 01/09/18 13:25

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1000	395914	01/16/18 12:45	KMN	TAL BUF

Client Sample ID: Duplicate

Date Collected: 01/08/18 07:15

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395914	01/16/18 13:09	KMN	TAL BUF

Client Sample ID: Rinse Blank

Date Collected: 01/11/18 08:30

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395910	01/16/18 16:12	KMN	TAL BUF

Client Sample ID: MW-16D

Date Collected: 01/08/18 12:35

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-10

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395765	01/15/18 17:09	RLB	TAL BUF
Total/NA	Analysis	8260C	DL	4	395914	01/16/18 13:33	KMN	TAL BUF

Client Sample ID: MW-13S

Date Collected: 01/09/18 15:25

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-11

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	395914	01/16/18 13:57	KMN	TAL BUF

Client Sample ID: MW-13D

Date Collected: 01/09/18 14:10

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-12

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395851	01/15/18 21:39	RRS	TAL BUF

Lab Chronicle

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: GWCT

Date Collected: 01/08/18 11:30

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395765	01/15/18 17:36	RLB	TAL BUF

Client Sample ID: DPT-1

Date Collected: 01/10/18 12:30

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	396044	01/16/18 23:17	RRS	TAL BUF

Client Sample ID: DPT-2

Date Collected: 01/10/18 10:50

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395910	01/16/18 17:02	KMN	TAL BUF

Client Sample ID: DPT-4

Date Collected: 01/10/18 11:15

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	395910	01/16/18 17:27	KMN	TAL BUF

Client Sample ID: DPT-5

Date Collected: 01/10/18 12:00

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	396044	01/16/18 23:43	RRS	TAL BUF

Client Sample ID: DPT-7

Date Collected: 01/10/18 11:25

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	396044	01/17/18 00:08	RRS	TAL BUF

Lab Chronicle

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Client Sample ID: DPT-8

Date Collected: 01/10/18 11:40

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	396044	01/17/18 00:33	RRS	TAL BUF

Client Sample ID: Trip Blank

Date Collected: 01/08/18 07:00

Date Received: 01/11/18 12:10

Lab Sample ID: 480-129995-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	395765	01/15/18 18:03	RLB	TAL BUF

Laboratory References:

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

Method Summary

Client: AECOM, Inc.
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-129995-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	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 = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: AECOM, Inc.

TestAmerica Job ID: 480-129995-1

Project/Site: Scott Figgie West of Plant 2

Laboratory: 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	03-31-18

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo

Job No.: 480-129995-1

SDG No.: _____

Matrix: Water

Level: Low

GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-2	480-129995-1	113	108	98	96
MW-3	480-129995-2	88	87	91	106
MW-4	480-129995-3	112	105	96	96
MW-4 DL	480-129995-3 DL	98	98	99	100
MW-6	480-129995-4	108	101	94	94
MW-10	480-129995-5	111	102	99	98
MW-11	480-129995-6	113	104	92	90
MW-16S	480-129995-7	100	100	101	104
Duplicate	480-129995-8	100	97	101	104
Rinse Blank	480-129995-9	88	84	92	106
MW-16D	480-129995-10	115	108	95	96
MW-16D DL	480-129995-10 DL	102	99	100	103
MW-13S	480-129995-11	99	100	99	104
MW-13D	480-129995-12	100	100	98	101
GWCT	480-129995-13	111	99	95	95
DPT-1	480-129995-14	110	112	107	99
DPT-2	480-129995-15	88	84	91	107
DPT-4	480-129995-16	86	84	90	105
DPT-5	480-129995-17	109	113	106	97
DPT-7	480-129995-18	109	113	105	96
DPT-8	480-129995-19	110	114	104	96
Trip Blank	480-129995-20	112	101	95	93
	MB 480-395765/7	110	101	94	94
	MB 480-395851/8	99	98	99	98
	MB 480-395910/8	89	87	93	108
	MB 480-395914/10	100	98	99	100
	MB 480-396044/6	109	112	106	96
	LCS 480-395765/5	114	104	97	96
	LCS 480-395851/5	99	98	100	100
	LCS 480-395910/5	90	86	91	107
	LCS 480-395914/5	103	101	99	102
	LCS 480-396044/4	87	82	90	108
MW-4 MS	480-129995-3 MS	109	101	95	94
MW-16S MS	480-129995-7 MS	100	98	99	101
DPT-8 MS	480-129995-19 MS	108	109	104	99

QC LIMITS

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

75-123
77-120
80-120
73-120

Column to be used to flag recovery values

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-4 MSD	480-129995-3 MSD	113	103	96	99
MW-16S MSD	480-129995-7 MSD	104	99	99	101
DPT-8 MSD	480-129995-19 MSD	109	110	104	99

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

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

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 95545P.D
 Lab ID: LCS 480-395765/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	27.0	108	73-126	
1,1,2,2-Tetrachloroethane	25.0	21.1	84	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.0	108	61-148	
1,1,2-Trichloroethane	25.0	23.6	95	76-122	
1,1-Dichloroethane	25.0	25.2	101	77-120	
1,1-Dichloroethene	25.0	27.3	109	66-127	
1,2,4-Trichlorobenzene	25.0	21.7	87	79-122	
1,2-Dibromo-3-Chloropropane	25.0	17.1	68	56-134	
1,2-Dibromoethane	25.0	24.3	97	77-120	
1,2-Dichlorobenzene	25.0	22.0	88	80-124	
1,2-Dichloroethane	25.0	23.5	94	75-120	
1,2-Dichloropropane	25.0	26.8	107	76-120	
1,3-Dichlorobenzene	25.0	22.2	89	77-120	
1,4-Dichlorobenzene	25.0	22.5	90	80-120	
2-Butanone (MEK)	125	117	94	57-140	
2-Hexanone	125	105	84	65-127	
4-Methyl-2-pentanone (MIBK)	125	104	83	71-125	
Acetone	125	116	92	56-142	
Benzene	25.0	26.8	107	71-124	
Bromodichloromethane	25.0	28.6	114	80-122	
Bromoform	25.0	24.1	96	61-132	
Bromomethane	25.0	27.6	110	55-144	
Carbon disulfide	25.0	26.5	106	59-134	
Carbon tetrachloride	25.0	26.8	107	72-134	
Chlorobenzene	25.0	23.9	96	80-120	
Chloroethane	25.0	27.9	112	69-136	
Chloroform	25.0	28.1	112	73-127	
Chloromethane	25.0	28.0	112	68-124	
cis-1,2-Dichloroethene	25.0	27.2	109	74-124	
cis-1,3-Dichloropropene	25.0	26.5	106	74-124	
Cyclohexane	25.0	23.8	95	59-135	
Dibromochloromethane	25.0	24.5	98	75-125	
Dichlorodifluoromethane	25.0	25.5	102	59-135	
Ethylbenzene	25.0	23.2	93	77-123	
Isopropylbenzene	25.0	21.3	85	77-122	
Methyl acetate	50.0	47.8	96	74-133	
Methyl tert-butyl ether	25.0	24.9	100	77-120	
Methylcyclohexane	25.0	26.6	107	68-134	
Methylene Chloride	25.0	25.5	102	75-124	
Styrene	25.0	23.5	94	80-120	
Tetrachloroethene	25.0	25.0	100	74-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 95545P.D
Lab ID: LCS 480-395765/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	23.1	93	80-122	
trans-1,2-Dichloroethene	25.0	28.4	113	73-127	
trans-1,3-Dichloropropene	25.0	23.3	93	80-120	
Trichloroethene	25.0	28.5	114	74-123	
Trichlorofluoromethane	25.0	26.6	106	62-150	
Vinyl chloride	25.0	26.6	107	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T3834.D
 Lab ID: LCS 480-395851/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	26.7	107	73-126	
1,1,2,2-Tetrachloroethane	25.0	26.0	104	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.5	114	61-148	
1,1,2-Trichloroethane	25.0	25.7	103	76-122	
1,1-Dichloroethane	25.0	26.6	106	77-120	
1,1-Dichloroethene	25.0	25.3	101	66-127	
1,2,4-Trichlorobenzene	25.0	26.1	104	79-122	
1,2-Dibromo-3-Chloropropane	25.0	26.4	106	56-134	
1,2-Dibromoethane	25.0	26.0	104	77-120	
1,2-Dichlorobenzene	25.0	26.3	105	80-124	
1,2-Dichloroethane	25.0	24.6	98	75-120	
1,2-Dichloropropane	25.0	24.2	97	76-120	
1,3-Dichlorobenzene	25.0	26.3	105	77-120	
1,4-Dichlorobenzene	25.0	25.7	103	80-120	
2-Butanone (MEK)	125	246	197	57-140	*
2-Hexanone	125	127	101	65-127	
4-Methyl-2-pentanone (MIBK)	125	130	104	71-125	
Acetone	125	126	101	56-142	
Benzene	25.0	26.3	105	71-124	
Bromodichloromethane	25.0	25.8	103	80-122	
Bromoform	25.0	27.1	108	61-132	
Bromomethane	25.0	24.1	97	55-144	
Carbon disulfide	25.0	26.5	106	59-134	
Carbon tetrachloride	25.0	26.9	107	72-134	
Chlorobenzene	25.0	25.7	103	80-120	
Chloroethane	25.0	23.0	92	69-136	
Chloroform	25.0	23.6	94	73-127	
Chloromethane	25.0	25.2	101	68-124	
cis-1,2-Dichloroethene	25.0	25.1	100	74-124	
cis-1,3-Dichloropropene	25.0	26.3	105	74-124	
Cyclohexane	25.0	26.6	106	59-135	
Dibromochloromethane	25.0	26.8	107	75-125	
Dichlorodifluoromethane	25.0	25.9	103	59-135	
Ethylbenzene	25.0	25.4	102	77-123	
Isopropylbenzene	25.0	25.6	102	77-122	
Methyl acetate	50.0	49.8	100	74-133	
Methyl tert-butyl ether	25.0	25.9	103	77-120	
Methylcyclohexane	25.0	26.0	104	68-134	
Methylene Chloride	25.0	24.3	97	75-124	
Styrene	25.0	25.5	102	80-120	
Tetrachloroethene	25.0	27.7	111	74-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: T3834.D
Lab ID: LCS 480-395851/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	25.6	102	80-122	
trans-1,2-Dichloroethene	25.0	25.5	102	73-127	
trans-1,3-Dichloropropene	25.0	26.7	107	80-120	
Trichloroethene	25.0	25.3	101	74-123	
Trichlorofluoromethane	25.0	24.7	99	62-150	
Vinyl chloride	25.0	24.6	98	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C1714.D
 Lab ID: LCS 480-395910/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	26.1	105	73-126	
1,1,2,2-Tetrachloroethane	25.0	25.7	103	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.5	106	61-148	
1,1,2-Trichloroethane	25.0	25.8	103	76-122	
1,1-Dichloroethane	25.0	25.4	101	77-120	
1,1-Dichloroethene	25.0	24.8	99	66-127	
1,2,4-Trichlorobenzene	25.0	26.0	104	79-122	
1,2-Dibromo-3-Chloropropane	25.0	24.1	96	56-134	
1,2-Dibromoethane	25.0	25.9	104	77-120	
1,2-Dichlorobenzene	25.0	25.3	101	80-124	
1,2-Dichloroethane	25.0	25.2	101	75-120	
1,2-Dichloropropane	25.0	25.7	103	76-120	
1,3-Dichlorobenzene	25.0	25.3	101	77-120	
1,4-Dichlorobenzene	25.0	25.6	102	80-120	
2-Butanone (MEK)	125	131	105	57-140	
2-Hexanone	125	132	106	65-127	
4-Methyl-2-pentanone (MIBK)	125	132	105	71-125	
Acetone	125	135	108	56-142	
Benzene	25.0	25.4	101	71-124	
Bromodichloromethane	25.0	25.5	102	80-122	
Bromoform	25.0	26.3	105	61-132	
Bromomethane	25.0	25.5	102	55-144	
Carbon disulfide	25.0	25.2	101	59-134	
Carbon tetrachloride	25.0	26.6	106	72-134	
Chlorobenzene	25.0	25.2	101	80-120	
Chloroethane	25.0	25.9	104	69-136	
Chloroform	25.0	24.8	99	73-127	
Chloromethane	25.0	27.2	109	68-124	
cis-1,2-Dichloroethene	25.0	25.0	100	74-124	
cis-1,3-Dichloropropene	25.0	25.6	103	74-124	
Cyclohexane	25.0	26.7	107	59-135	
Dibromochloromethane	25.0	25.8	103	75-125	
Dichlorodifluoromethane	25.0	30.4	122	59-135	
Ethylbenzene	25.0	25.7	103	77-123	
Isopropylbenzene	25.0	25.8	103	77-122	
Methyl acetate	50.0	51.6	103	74-133	
Methyl tert-butyl ether	25.0	25.3	101	77-120	
Methylcyclohexane	25.0	27.3	109	68-134	
Methylene Chloride	25.0	22.6	91	75-124	
Styrene	25.0	26.2	105	80-120	
Tetrachloroethene	25.0	25.9	103	74-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: C1714.D
Lab ID: LCS 480-395910/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	25.3	101	80-122	
trans-1,2-Dichloroethene	25.0	24.3	97	73-127	
trans-1,3-Dichloropropene	25.0	26.0	104	80-120	
Trichloroethene	25.0	25.2	101	74-123	
Trichlorofluoromethane	25.0	26.9	108	62-150	
Vinyl chloride	25.0	26.1	104	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T3863.D
 Lab ID: LCS 480-395914/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.7	103	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.9	100	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.5	110	61-148	
1,1,2-Trichloroethane	25.0	24.3	97	76-122	
1,1-Dichloroethane	25.0	25.7	103	77-120	
1,1-Dichloroethene	25.0	25.1	100	66-127	
1,2,4-Trichlorobenzene	25.0	26.0	104	79-122	
1,2-Dibromo-3-Chloropropane	25.0	26.9	108	56-134	
1,2-Dibromoethane	25.0	25.0	100	77-120	
1,2-Dichlorobenzene	25.0	25.7	103	80-124	
1,2-Dichloroethane	25.0	24.5	98	75-120	
1,2-Dichloropropane	25.0	23.8	95	76-120	
1,3-Dichlorobenzene	25.0	26.0	104	77-120	
1,4-Dichlorobenzene	25.0	25.7	103	80-120	
2-Butanone (MEK)	125	247	197	57-140	*
2-Hexanone	125	125	100	65-127	
4-Methyl-2-pentanone (MIBK)	125	126	101	71-125	
Acetone	125	128	102	56-142	
Benzene	25.0	25.1	101	71-124	
Bromodichloromethane	25.0	25.4	102	80-122	
Bromoform	25.0	25.7	103	61-132	
Bromomethane	25.0	22.9	92	55-144	
Carbon disulfide	25.0	25.6	102	59-134	
Carbon tetrachloride	25.0	26.1	104	72-134	
Chlorobenzene	25.0	24.8	99	80-120	
Chloroethane	25.0	22.0	88	69-136	
Chloroform	25.0	23.4	94	73-127	
Chloromethane	25.0	24.6	98	68-124	
cis-1,2-Dichloroethene	25.0	24.5	98	74-124	
cis-1,3-Dichloropropene	25.0	25.5	102	74-124	
Cyclohexane	25.0	26.3	105	59-135	
Dibromochloromethane	25.0	25.7	103	75-125	
Dichlorodifluoromethane	25.0	26.0	104	59-135	
Ethylbenzene	25.0	24.7	99	77-123	
Isopropylbenzene	25.0	25.6	103	77-122	
Methyl acetate	50.0	52.0	104	74-133	
Methyl tert-butyl ether	25.0	25.7	103	77-120	
Methylcyclohexane	25.0	25.8	103	68-134	
Methylene Chloride	25.0	23.8	95	75-124	
Styrene	25.0	25.3	101	80-120	
Tetrachloroethene	25.0	26.7	107	74-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: T3863.D
Lab ID: LCS 480-395914/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	24.8	99	80-122	
trans-1,2-Dichloroethene	25.0	24.7	99	73-127	
trans-1,3-Dichloropropene	25.0	24.7	99	80-120	
Trichloroethene	25.0	24.5	98	74-123	
Trichlorofluoromethane	25.0	25.0	100	62-150	
Vinyl chloride	25.0	24.1	97	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C1740.D
 Lab ID: LCS 480-396044/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	24.7	99	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.9	96	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.5	94	61-148	
1,1,2-Trichloroethane	25.0	24.5	98	76-122	
1,1-Dichloroethane	25.0	24.0	96	77-120	
1,1-Dichloroethene	25.0	22.5	90	66-127	
1,2,4-Trichlorobenzene	25.0	24.5	98	79-122	
1,2-Dibromo-3-Chloropropane	25.0	22.4	90	56-134	
1,2-Dibromoethane	25.0	24.7	99	77-120	
1,2-Dichlorobenzene	25.0	24.2	97	80-124	
1,2-Dichloroethane	25.0	24.3	97	75-120	
1,2-Dichloropropane	25.0	24.9	100	76-120	
1,3-Dichlorobenzene	25.0	24.3	97	77-120	
1,4-Dichlorobenzene	25.0	24.5	98	80-120	
2-Butanone (MEK)	125	124	99	57-140	
2-Hexanone	125	126	101	65-127	
4-Methyl-2-pentanone (MIBK)	125	124	99	71-125	
Acetone	125	129	103	56-142	
Benzene	25.0	24.4	98	71-124	
Bromodichloromethane	25.0	24.5	98	80-122	
Bromoform	25.0	25.4	101	61-132	
Bromomethane	25.0	23.2	93	55-144	
Carbon disulfide	25.0	23.3	93	59-134	
Carbon tetrachloride	25.0	24.9	100	72-134	
Chlorobenzene	25.0	23.9	95	80-120	
Chloroethane	25.0	23.4	94	69-136	
Chloroform	25.0	23.9	96	73-127	
Chloromethane	25.0	24.6	98	68-124	
cis-1,2-Dichloroethene	25.0	23.9	96	74-124	
cis-1,3-Dichloropropene	25.0	25.1	100	74-124	
Cyclohexane	25.0	24.0	96	59-135	
Dibromochloromethane	25.0	24.4	97	75-125	
Dichlorodifluoromethane	25.0	24.4	98	59-135	
Ethylbenzene	25.0	24.6	98	77-123	
Isopropylbenzene	25.0	24.5	98	77-122	
Methyl acetate	50.0	49.4	99	74-133	
Methyl tert-butyl ether	25.0	24.1	97	77-120	
Methylcyclohexane	25.0	24.6	98	68-134	
Methylene Chloride	25.0	22.6	90	75-124	
Styrene	25.0	25.0	100	80-120	
Tetrachloroethene	25.0	24.2	97	74-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: C1740.D
Lab ID: LCS 480-396044/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	24.0	96	80-122	
trans-1,2-Dichloroethene	25.0	23.4	93	73-127	
trans-1,3-Dichloropropene	25.0	24.3	97	80-120	
Trichloroethene	25.0	24.4	98	74-123	
Trichlorofluoromethane	25.0	22.2	89	62-150	
Vinyl chloride	25.0	22.4	90	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 95564P.D
 Lab ID: 480-129995-3 MS Client ID: MW-4 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	125	ND	139	112	73-126	
1,1,2,2-Tetrachloroethane	125	ND	113	90	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	125	ND	136	109	61-148	
1,1,2-Trichloroethane	125	ND	111	89	76-122	
1,1-Dichloroethane	125	8.0	136	103	77-120	
1,1-Dichloroethene	125	ND	140	112	66-127	
1,2,4-Trichlorobenzene	125	ND	109	87	79-122	
1,2-Dibromo-3-Chloropropane	125	ND	93.4	75	56-134	
1,2-Dibromoethane	125	ND	120	96	77-120	
1,2-Dichlorobenzene	125	ND	115	92	80-124	
1,2-Dichloroethane	125	ND	119	95	75-120	
1,2-Dichloropropane	125	ND	132	106	76-120	
1,3-Dichlorobenzene	125	ND	112	90	77-120	
1,4-Dichlorobenzene	125	ND	114	91	78-124	
2-Butanone (MEK)	625	210	791	93	57-140	
2-Hexanone	625	ND	546	87	65-127	
4-Methyl-2-pentanone (MIBK)	625	ND	545	87	71-125	
Acetone	625	81	572	79	56-142	
Benzene	125	3.8 J	138	108	71-124	
Bromodichloromethane	125	ND	140	112	80-122	
Bromoform	125	ND	115	92	61-132	
Bromomethane	125	ND	142	114	55-144	
Carbon disulfide	125	ND	137	110	59-134	
Carbon tetrachloride	125	ND	136	109	72-134	
Chlorobenzene	125	ND	117	93	80-120	
Chloroethane	125	660	697	28	69-136	E 4
Chloroform	125	ND	139	111	73-127	
Chloromethane	125	ND	143	114	68-124	
cis-1,2-Dichloroethene	125	6.0	135	103	74-124	
cis-1,3-Dichloropropene	125	ND	126	101	74-124	
Cyclohexane	125	ND	122	98	59-135	
Dibromochloromethane	125	ND	118	95	75-125	
Dichlorodifluoromethane	125	ND	130	104	59-135	
Ethylbenzene	125	ND	114	92	77-123	
Isopropylbenzene	125	ND	110	88	77-122	
Methyl acetate	250	ND	232	93	74-133	
Methyl tert-butyl ether	125	ND	126	101	77-120	
Methylcyclohexane	125	ND	132	106	68-134	
Methylene Chloride	125	ND	128	102	75-124	
Styrene	125	ND	117	94	80-120	
Tetrachloroethene	125	ND	120	96	74-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 95564P.D
 Lab ID: 480-129995-3 MS Client ID: MW-4 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	125	11	125	91	80-122	
trans-1,2-Dichloroethene	125	16	153	110	73-127	
trans-1,3-Dichloropropene	125	ND	109	87	80-120	
Trichloroethene	125	ND	140	112	74-123	
Trichlorofluoromethane	125	ND	136	108	62-150	
Vinyl chloride	125	46	184	110	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T3885.D
 Lab ID: 480-129995-7 MS Client ID: MW-16S MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25000	ND	28800	115	73-126	
1,1,2,2-Tetrachloroethane	25000	ND	25700	103	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25000	ND	31000	124	61-148	
1,1,2-Trichloroethane	25000	ND	25400	102	76-122	
1,1-Dichloroethane	25000	ND	27300	109	77-120	
1,1-Dichloroethene	25000	ND	27600	111	66-127	
1,2,4-Trichlorobenzene	25000	ND	27200	109	79-122	
1,2-Dibromo-3-Chloropropane	25000	ND	26500	106	56-134	
1,2-Dibromoethane	25000	ND	26300	105	77-120	
1,2-Dichlorobenzene	25000	ND	27100	108	80-124	
1,2-Dichloroethane	25000	ND	25700	103	75-120	
1,2-Dichloropropane	25000	ND	25000	100	76-120	
1,3-Dichlorobenzene	25000	ND	27900	111	77-120	
1,4-Dichlorobenzene	25000	ND	27100	108	78-124	
2-Butanone (MEK)	125000	ND	138000	110	57-140	
2-Hexanone	125000	ND	132000	105	65-127	
4-Methyl-2-pentanone (MIBK)	125000	ND	130000	104	71-125	
Acetone	125000	ND	138000	111	56-142	
Benzene	25000	ND	28000	112	71-124	
Bromodichloromethane	25000	ND	27000	108	80-122	
Bromoform	25000	ND	26400	106	61-132	
Bromomethane	25000	ND	25100	100	55-144	
Carbon disulfide	25000	ND	28800	115	59-134	
Carbon tetrachloride	25000	ND	29200	117	72-134	
Chlorobenzene	25000	ND	26800	107	80-120	
Chloroethane	25000	1800	27100	101	69-136	
Chloroform	25000	ND	25200	101	73-127	
Chloromethane	25000	ND	26500	106	68-124	
cis-1,2-Dichloroethene	25000	9600	36900	109	74-124	
cis-1,3-Dichloropropene	25000	ND	27000	108	74-124	
Cyclohexane	25000	ND	29100	117	59-135	
Dibromochloromethane	25000	ND	26200	105	75-125	
Dichlorodifluoromethane	25000	ND	28100	112	59-135	
Ethylbenzene	25000	ND	27200	109	77-123	
Isopropylbenzene	25000	ND	27600	110	77-122	
Methyl acetate	50000	ND	50100	100	74-133	
Methyl tert-butyl ether	25000	ND	26400	106	77-120	
Methylcyclohexane	25000	ND	28100	113	68-134	
Methylene Chloride	25000	780 J	29200	114	75-124	
Styrene	25000	ND	26700	107	80-120	
Tetrachloroethene	25000	ND	29200	117	74-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T3885.D
 Lab ID: 480-129995-7 MS Client ID: MW-16S MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	25000	550 J	27500	108	80-122	
trans-1,2-Dichloroethene	25000	ND	28000	112	73-127	
trans-1,3-Dichloropropene	25000	ND	26200	105	80-120	
Trichloroethene	25000	ND	27700	111	74-123	
Trichlorofluoromethane	25000	ND	27900	111	62-150	
Vinyl chloride	25000	54000	88100	135	65-133	F1

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C1760.D
 Lab ID: 480-129995-19 MS Client ID: DPT-8 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	584	117	73-126	
1,1,2,2-Tetrachloroethane	500	ND	529	106	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	ND	523	105	61-148	
1,1,2-Trichloroethane	500	ND	544	109	76-122	
1,1-Dichloroethane	500	50	597	109	77-120	
1,1-Dichloroethene	500	8.2 J	530	104	66-127	
1,2,4-Trichlorobenzene	500	ND	526	105	79-122	
1,2-Dibromo-3-Chloropropane	500	ND	471	94	56-134	
1,2-Dibromoethane	500	ND	541	108	77-120	
1,2-Dichlorobenzene	500	ND	534	107	80-124	
1,2-Dichloroethane	500	ND	539	108	75-120	
1,2-Dichloropropane	500	ND	562	112	76-120	
1,3-Dichlorobenzene	500	ND	525	105	77-120	
1,4-Dichlorobenzene	500	ND	535	107	78-124	
2-Butanone (MEK)	2500	ND	2510	100	57-140	
2-Hexanone	2500	ND	2530	101	65-127	
4-Methyl-2-pentanone (MIBK)	2500	ND	2690	108	71-125	
Acetone	2500	ND	2210	88	56-142	
Benzene	500	ND	554	111	71-124	
Bromodichloromethane	500	ND	548	110	80-122	
Bromoform	500	ND	539	108	61-132	
Bromomethane	500	ND	512	102	55-144	
Carbon disulfide	500	ND	540	108	59-134	
Carbon tetrachloride	500	ND	574	115	72-134	
Chlorobenzene	500	ND	538	108	80-120	
Chloroethane	500	22	559	107	69-136	
Chloroform	500	ND	540	108	73-127	
Chloromethane	500	ND	562	112	68-124	
cis-1,2-Dichloroethene	500	540	977	88	74-124	
cis-1,3-Dichloropropene	500	ND	533	107	74-124	
Cyclohexane	500	ND	535	107	59-135	
Dibromochloromethane	500	ND	535	107	75-125	
Dichlorodifluoromethane	500	ND	523	105	59-135	
Ethylbenzene	500	ND	553	111	77-123	
Isopropylbenzene	500	ND	547	109	77-122	
Methyl acetate	1000	ND	1090	109	74-133	
Methyl tert-butyl ether	500	ND	531	106	77-120	
Methylcyclohexane	500	ND	535	107	68-134	
Methylene Chloride	500	ND	498	100	75-124	
Styrene	500	ND	559	112	80-120	
Tetrachloroethene	500	ND	549	110	74-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C1760.D
 Lab ID: 480-129995-19 MS Client ID: DPT-8 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	500	ND	541	108	80-122	
trans-1,2-Dichloroethene	500	ND	534	107	73-127	
trans-1,3-Dichloropropene	500	ND	525	105	80-120	
Trichloroethene	500	11 J	566	111	74-123	
Trichlorofluoromethane	500	ND	500	100	62-150	
Vinyl chloride	500	410	848	87	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 95565P.D
 Lab ID: 480-129995-3 MSD Client ID: MW-4 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	125	139	112	0	15	73-126	
1,1,2,2-Tetrachloroethane	125	109	87	3	15	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	125	138	111	2	20	61-148	
1,1,2-Trichloroethane	125	114	91	3	15	76-122	
1,1-Dichloroethane	125	136	102	0	20	77-120	
1,1-Dichloroethene	125	136	109	3	16	66-127	
1,2,4-Trichlorobenzene	125	108	86	1	20	79-122	
1,2-Dibromo-3-Chloropropane	125	86.4	69	8	15	56-134	
1,2-Dibromoethane	125	121	97	1	15	77-120	
1,2-Dichlorobenzene	125	115	92	0	20	80-124	
1,2-Dichloroethane	125	120	96	1	20	75-120	
1,2-Dichloropropane	125	134	107	1	20	76-120	
1,3-Dichlorobenzene	125	113	90	1	20	77-120	
1,4-Dichlorobenzene	125	112	90	2	20	78-124	
2-Butanone (MEK)	625	731	84	8	20	57-140	
2-Hexanone	625	493	79	10	15	65-127	
4-Methyl-2-pentanone (MIBK)	625	507	81	7	35	71-125	
Acetone	625	526	71	8	15	56-142	
Benzene	125	138	107	1	13	71-124	
Bromodichloromethane	125	142	114	2	15	80-122	
Bromoform	125	118	94	2	15	61-132	
Bromomethane	125	142	114	0	15	55-144	
Carbon disulfide	125	139	111	1	15	59-134	
Carbon tetrachloride	125	138	111	1	15	72-134	
Chlorobenzene	125	118	94	1	25	80-120	
Chloroethane	125	727	52	4	15	69-136	E 4
Chloroform	125	140	112	1	20	73-127	
Chloromethane	125	142	113	1	15	68-124	
cis-1,2-Dichloroethene	125	138	105	2	15	74-124	
cis-1,3-Dichloropropene	125	130	104	3	15	74-124	
Cyclohexane	125	123	98	1	20	59-135	
Dibromochloromethane	125	123	98	4	15	75-125	
Dichlorodifluoromethane	125	131	105	1	20	59-135	
Ethylbenzene	125	114	91	0	15	77-123	
Isopropylbenzene	125	111	89	1	20	77-122	
Methyl acetate	250	220	88	6	20	74-133	
Methyl tert-butyl ether	125	126	100	0	37	77-120	
Methylcyclohexane	125	136	109	3	20	68-134	
Methylene Chloride	125	133	106	4	15	75-124	
Styrene	125	117	94	0	20	80-120	
Tetrachloroethene	125	118	95	2	20	74-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 95565P.D
 Lab ID: 480-129995-3 MSD Client ID: MW-4 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Toluene	125	126	91	0	15	80-122	
trans-1,2-Dichloroethene	125	157	113	3	20	73-127	
trans-1,3-Dichloropropene	125	110	88	1	15	80-120	
Trichloroethene	125	138	111	1	16	74-123	
Trichlorofluoromethane	125	137	109	1	20	62-150	
Vinyl chloride	125	187	113	2	15	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T3886.D
 Lab ID: 480-129995-7 MSD Client ID: MW-16S MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	25000	27500	110	5	15	73-126	
1,1,2,2-Tetrachloroethane	25000	25700	103	0	15	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25000	29000	116	6	20	61-148	
1,1,2-Trichloroethane	25000	25700	103	1	15	76-122	
1,1-Dichloroethane	25000	26200	105	4	20	77-120	
1,1-Dichloroethene	25000	27300	109	1	16	66-127	
1,2,4-Trichlorobenzene	25000	26500	106	3	20	79-122	
1,2-Dibromo-3-Chloropropane	25000	25700	103	3	15	56-134	
1,2-Dibromoethane	25000	25900	104	2	15	77-120	
1,2-Dichlorobenzene	25000	26700	107	1	20	80-124	
1,2-Dichloroethane	25000	25500	102	0	20	75-120	
1,2-Dichloropropane	25000	24800	99	1	20	76-120	
1,3-Dichlorobenzene	25000	26300	105	6	20	77-120	
1,4-Dichlorobenzene	25000	25800	103	5	20	78-124	
2-Butanone (MEK)	125000	136000	109	2	20	57-140	
2-Hexanone	125000	131000	105	0	15	65-127	
4-Methyl-2-pentanone (MIBK)	125000	129000	103	0	35	71-125	
Acetone	125000	138000	110	0	15	56-142	
Benzene	25000	27200	109	3	13	71-124	
Bromodichloromethane	25000	26600	106	2	15	80-122	
Bromoform	25000	26400	106	0	15	61-132	
Bromomethane	25000	24600	98	2	15	55-144	
Carbon disulfide	25000	27200	109	6	15	59-134	
Carbon tetrachloride	25000	27700	111	5	15	72-134	
Chlorobenzene	25000	25900	104	3	25	80-120	
Chloroethane	25000	25600	95	6	15	69-136	
Chloroform	25000	24500	98	3	20	73-127	
Chloromethane	25000	25300	101	5	15	68-124	
cis-1,2-Dichloroethene	25000	36500	108	1	15	74-124	
cis-1,3-Dichloropropene	25000	26900	108	0	15	74-124	
Cyclohexane	25000	28000	112	4	20	59-135	
Dibromochloromethane	25000	26700	107	2	15	75-125	
Dichlorodifluoromethane	25000	26900	108	4	20	59-135	
Ethylbenzene	25000	26400	106	3	15	77-123	
Isopropylbenzene	25000	26500	106	4	20	77-122	
Methyl acetate	50000	51000	102	2	20	74-133	
Methyl tert-butyl ether	25000	26600	107	1	37	77-120	
Methylcyclohexane	25000	26700	107	5	20	68-134	
Methylene Chloride	25000	29700	116	2	15	75-124	
Styrene	25000	26300	105	1	20	80-120	
Tetrachloroethene	25000	27800	111	5	20	74-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T3886.D
 Lab ID: 480-129995-7 MSD Client ID: MW-16S MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Toluene	25000	26700	105	3	15	80-122	
trans-1,2-Dichloroethene	25000	26700	107	5	20	73-127	
trans-1,3-Dichloropropene	25000	25400	101	3	15	80-120	
Trichloroethene	25000	26400	106	5	16	74-123	
Trichlorofluoromethane	25000	26500	106	5	20	62-150	
Vinyl chloride	25000	83700	117	5	15	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C1761.D
 Lab ID: 480-129995-19 MSD Client ID: DPT-8 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	500	562	112	4	15	73-126	
1,1,2,2-Tetrachloroethane	500	526	105	1	15	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	517	103	1	20	61-148	
1,1,2-Trichloroethane	500	525	105	4	15	76-122	
1,1-Dichloroethane	500	571	104	4	20	77-120	
1,1-Dichloroethene	500	510	100	4	16	66-127	
1,2,4-Trichlorobenzene	500	517	103	2	20	79-122	
1,2-Dibromo-3-Chloropropane	500	486	97	3	15	56-134	
1,2-Dibromoethane	500	532	106	2	15	77-120	
1,2-Dichlorobenzene	500	517	103	3	20	80-124	
1,2-Dichloroethane	500	522	104	3	20	75-120	
1,2-Dichloropropane	500	539	108	4	20	76-120	
1,3-Dichlorobenzene	500	512	102	2	20	77-120	
1,4-Dichlorobenzene	500	525	105	2	20	78-124	
2-Butanone (MEK)	2500	2480	99	1	20	57-140	
2-Hexanone	2500	2530	101	0	15	65-127	
4-Methyl-2-pentanone (MIBK)	2500	2670	107	1	35	71-125	
Acetone	2500	2200	88	1	15	56-142	
Benzene	500	537	107	3	13	71-124	
Bromodichloromethane	500	535	107	2	15	80-122	
Bromoform	500	526	105	2	15	61-132	
Bromomethane	500	495	99	3	15	55-144	
Carbon disulfide	500	520	104	4	15	59-134	
Carbon tetrachloride	500	549	110	5	15	72-134	
Chlorobenzene	500	521	104	3	25	80-120	
Chloroethane	500	532	102	5	15	69-136	
Chloroform	500	517	103	4	20	73-127	
Chloromethane	500	537	107	5	15	68-124	
cis-1,2-Dichloroethene	500	945	81	3	15	74-124	
cis-1,3-Dichloropropene	500	529	106	1	15	74-124	
Cyclohexane	500	540	108	1	20	59-135	
Dibromochloromethane	500	530	106	1	15	75-125	
Dichlorodifluoromethane	500	522	104	0	20	59-135	
Ethylbenzene	500	534	107	3	15	77-123	
Isopropylbenzene	500	534	107	2	20	77-122	
Methyl acetate	1000	1070	107	1	20	74-133	
Methyl tert-butyl ether	500	521	104	2	37	77-120	
Methylcyclohexane	500	534	107	0	20	68-134	
Methylene Chloride	500	485	97	3	15	75-124	
Styrene	500	541	108	3	20	80-120	
Tetrachloroethene	500	521	104	5	20	74-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C1761.D
 Lab ID: 480-129995-19 MSD Client ID: DPT-8 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Toluene	500	527	105	3	15	80-122	
trans-1,2-Dichloroethene	500	516	103	3	20	73-127	
trans-1,3-Dichloropropene	500	511	102	3	15	80-120	
Trichloroethene	500	539	105	5	16	74-123	
Trichlorofluoromethane	500	494	99	1	20	62-150	
Vinyl chloride	500	812	80	4	15	65-133	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
SDG No.: _____
Lab File ID: 95547P.D Lab Sample ID: MB 480-395765/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973P Date Analyzed: 01/15/2018 11:21
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-395765/5	95545P.D	01/15/2018 10:27
MW-2	480-129995-1	95553P.D	01/15/2018 14:25
MW-4	480-129995-3	95554P.D	01/15/2018 14:52
MW-6	480-129995-4	95555P.D	01/15/2018 15:20
MW-10	480-129995-5	95556P.D	01/15/2018 15:47
MW-11	480-129995-6	95557P.D	01/15/2018 16:14
MW-16D	480-129995-10	95559P.D	01/15/2018 17:09
GWCT	480-129995-13	95560P.D	01/15/2018 17:36
Trip Blank	480-129995-20	95561P.D	01/15/2018 18:03
MW-4 MS	480-129995-3 MS	95564P.D	01/15/2018 19:25
MW-4 MSD	480-129995-3 MSD	95565P.D	01/15/2018 19:52

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
SDG No.: _____
Lab File ID: T3837.D Lab Sample ID: MB 480-395851/8
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5975T Date Analyzed: 01/15/2018 15:36
GC Column: ZB-624 (20) ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-395851/5	T3834.D	01/15/2018 14:25
MW-13D	480-129995-12	T3852.D	01/15/2018 21:39

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
SDG No.: _____
Lab File ID: C1716.D Lab Sample ID: MB 480-395910/8
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973C Date Analyzed: 01/16/2018 10:58
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-395910/5	C1714.D	01/16/2018 10:08
MW-3	480-129995-2	C1727.D	01/16/2018 15:47
Rinse Blank	480-129995-9	C1728.D	01/16/2018 16:12
DPT-2	480-129995-15	C1730.D	01/16/2018 17:02
DPT-4	480-129995-16	C1731.D	01/16/2018 17:27

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
SDG No.: _____
Lab File ID: T3868.D Lab Sample ID: MB 480-395914/10
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5975T Date Analyzed: 01/16/2018 11:34
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 480-395914/5	T3863.D	01/16/2018 09:35
MW-4 DL	480-129995-3 DL	T3870.D	01/16/2018 12:22
MW-16S	480-129995-7	T3871.D	01/16/2018 12:45
Duplicate	480-129995-8	T3872.D	01/16/2018 13:09
MW-16D DL	480-129995-10 DL	T3873.D	01/16/2018 13:33
MW-13S	480-129995-11	T3874.D	01/16/2018 13:57
MW-16S MS	480-129995-7 MS	T3885.D	01/16/2018 18:19
MW-16S MSD	480-129995-7 MSD	T3886.D	01/16/2018 18:43

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
SDG No.: _____
Lab File ID: C1742.D Lab Sample ID: MB 480-396044/6
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973C Date Analyzed: 01/16/2018 22:36
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-396044/4	C1740.D	01/16/2018 21:25
DPT-1	480-129995-14	C1743.D	01/16/2018 23:17
DPT-5	480-129995-17	C1744.D	01/16/2018 23:43
DPT-7	480-129995-18	C1745.D	01/17/2018 00:08
DPT-8	480-129995-19	C1746.D	01/17/2018 00:33
DPT-8 MS	480-129995-19 MS	C1760.D	01/17/2018 06:25
DPT-8 MSD	480-129995-19 MSD	C1761.D	01/17/2018 06:50

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Lab File ID: C1649.D BFB Injection Date: 01/11/2018
 Instrument ID: HP5973C BFB Injection Time: 13:46
 Analysis Batch No.: 395463

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.4
75	30.0 - 60.0 % of mass 95	49.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	86.8
175	5.0 - 9.0 % of mass 174	6.4 (7.3) 1
176	95.0 - 101.0 % of mass 174	83.6 (96.2) 1
177	5.0 - 9.0 % of mass 176	5.9 (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
	IC 480-395463/6	C1651.D	01/11/2018	14:41
	IC 480-395463/7	C1652.D	01/11/2018	15:07
	IC 480-395463/8	C1653.D	01/11/2018	15:32
	IC 480-395463/9	C1654.D	01/11/2018	15:57
	IC 480-395463/10	C1655.D	01/11/2018	16:22
	ICIS 480-395463/11	C1656.D	01/11/2018	16:47
	IC 480-395463/12	C1657.D	01/11/2018	17:12
	IC 480-395463/13	C1658.D	01/11/2018	17:38

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Lab File ID: C1711.D BFB Injection Date: 01/16/2018
 Instrument ID: HP5973C BFB Injection Time: 08:49
 Analysis Batch No.: 395910

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.8
75	30.0 - 60.0 % of mass 95	49.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.2
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	85.1
175	5.0 - 9.0 % of mass 174	6.2 (7.3) 1
176	95.0 - 101.0 % of mass 174	82.2 (96.6) 1
177	5.0 - 9.0 % of mass 176	6.2 (7.5) 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 480-395910/3	C1712.D	01/16/2018	09:17
	LCS 480-395910/5	C1714.D	01/16/2018	10:08
	MB 480-395910/8	C1716.D	01/16/2018	10:58
MW-3	480-129995-2	C1727.D	01/16/2018	15:47
Rinse Blank	480-129995-9	C1728.D	01/16/2018	16:12
DPT-2	480-129995-15	C1730.D	01/16/2018	17:02
DPT-4	480-129995-16	C1731.D	01/16/2018	17:27

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Lab File ID: C1737.D BFB Injection Date: 01/16/2018
 Instrument ID: HP5973C BFB Injection Time: 20:05
 Analysis Batch No.: 396044

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.2
75	30.0 - 60.0 % of mass 95	49.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.3
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	86.7
175	5.0 - 9.0 % of mass 174	6.4 (7.4) 1
176	95.0 - 101.0 % of mass 174	84.1 (97.0) 1
177	5.0 - 9.0 % of mass 176	5.6 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-396044/2	C1738.D	01/16/2018	20:35
	LCS 480-396044/4	C1740.D	01/16/2018	21:25
	MB 480-396044/6	C1742.D	01/16/2018	22:36
DPT-1	480-129995-14	C1743.D	01/16/2018	23:17
DPT-5	480-129995-17	C1744.D	01/16/2018	23:43
DPT-7	480-129995-18	C1745.D	01/17/2018	00:08
DPT-8	480-129995-19	C1746.D	01/17/2018	00:33
DPT-8 MS	480-129995-19 MS	C1760.D	01/17/2018	06:25
DPT-8 MSD	480-129995-19 MSD	C1761.D	01/17/2018	06:50

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Lab File ID: 94696P.D BFB Injection Date: 12/05/2017
 Instrument ID: HP5973P BFB Injection Time: 12:30
 Analysis Batch No.: 390433

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	37.6
75	30.0 - 60.0 % of mass 95	47.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.1
173	Less than 2.0 % of mass 174	0.4 (0.5) 1
174	50.0 - 120.00 % of mass 95	85.2
175	5.0 - 9.0 % of mass 174	5.2 (6.1) 1
176	95.0 - 101.0 % of mass 174	81.0 (95.1) 1
177	5.0 - 9.0 % of mass 176	5.5 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-390433/7	94698P.D	12/05/2017	13:31
	IC 480-390433/8	94699P.D	12/05/2017	13:59
	IC 480-390433/9	94700P.D	12/05/2017	14:27
	IC 480-390433/10	94701P.D	12/05/2017	14:54
	ICIS 480-390433/11	94702P.D	12/05/2017	15:21
	IC 480-390433/12	94703P.D	12/05/2017	16:00
	IC 480-390433/13	94704P.D	12/05/2017	16:27

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
SDG No.: _____
Lab File ID: 95542P.D BFB Injection Date: 01/15/2018
Instrument ID: HP5973P BFB Injection Time: 09:05
Analysis Batch No.: 395765

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	34.7
75	30.0 - 60.0 % of mass 95	42.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.4 (0.4) 1
174	50.0 - 120.00 % of mass 95	84.9
175	5.0 - 9.0 % of mass 174	6.6 (7.8) 1
176	95.0 - 101.0 % of mass 174	84.1 (99.1) 1
177	5.0 - 9.0 % of mass 176	5.4 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-395765/3	95543P.D	01/15/2018	09:33
	LCS 480-395765/5	95545P.D	01/15/2018	10:27
	MB 480-395765/7	95547P.D	01/15/2018	11:21
MW-2	480-129995-1	95553P.D	01/15/2018	14:25
MW-4	480-129995-3	95554P.D	01/15/2018	14:52
MW-6	480-129995-4	95555P.D	01/15/2018	15:20
MW-10	480-129995-5	95556P.D	01/15/2018	15:47
MW-11	480-129995-6	95557P.D	01/15/2018	16:14
MW-16D	480-129995-10	95559P.D	01/15/2018	17:09
GWCT	480-129995-13	95560P.D	01/15/2018	17:36
Trip Blank	480-129995-20	95561P.D	01/15/2018	18:03
MW-4 MS	480-129995-3 MS	95564P.D	01/15/2018	19:25
MW-4 MSD	480-129995-3 MSD	95565P.D	01/15/2018	19:52

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Lab File ID: T3804.D BFB Injection Date: 01/11/2018
 Instrument ID: HP5975T BFB Injection Time: 14:20
 Analysis Batch No.: 395447

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.7
75	30.0 - 60.0 % of mass 95	50.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.1
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	80.1
175	5.0 - 9.0 % of mass 174	5.6 (6.9) 1
176	95.0 - 101.0 % of mass 174	76.8 (95.8) 1
177	5.0 - 9.0 % of mass 176	5.1 (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 480-395447/8	T3806.D	01/11/2018	15:11
	IC 480-395447/9	T3807.D	01/11/2018	15:34
	IC 480-395447/10	T3808.D	01/11/2018	15:58
	IC 480-395447/11	T3809.D	01/11/2018	16:21
	IC 480-395447/12	T3810.D	01/11/2018	16:45
	ICIS 480-395447/13	T3811.D	01/11/2018	17:08
	IC 480-395447/14	T3812.D	01/11/2018	17:32
	IC 480-395447/15	T3813.D	01/11/2018	17:55

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Lab File ID: T3831.D BFB Injection Date: 01/15/2018
 Instrument ID: HP5975T BFB Injection Time: 13:14
 Analysis Batch No.: 395851

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	23.7
75	30.0 - 60.0 % of mass 95	50.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.0
173	Less than 2.0 % of mass 174	0.6 (0.8) 1
174	50.0 - 120.00 % of mass 95	79.9
175	5.0 - 9.0 % of mass 174	5.8 (7.3) 1
176	95.0 - 101.0 % of mass 174	76.2 (95.4) 1
177	5.0 - 9.0 % of mass 176	5.2 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-395851/3	T3832.D	01/15/2018	13:37
	LCS 480-395851/5	T3834.D	01/15/2018	14:25
	MB 480-395851/8	T3837.D	01/15/2018	15:36
MW-13D	480-129995-12	T3852.D	01/15/2018	21:39

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Lab File ID: T3860.D BFB Injection Date: 01/16/2018
 Instrument ID: HP5975T BFB Injection Time: 08:14
 Analysis Batch No.: 395914

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	23.8
75	30.0 - 60.0 % of mass 95	50.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.6
173	Less than 2.0 % of mass 174	0.9 (1.1) 1
174	50.0 - 120.00 % of mass 95	80.7
175	5.0 - 9.0 % of mass 174	6.3 (7.8) 1
176	95.0 - 101.0 % of mass 174	79.5 (98.6) 1
177	5.0 - 9.0 % of mass 176	5.2 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-395914/3	T3861.D	01/16/2018	08:39
	LCS 480-395914/5	T3863.D	01/16/2018	09:35
	MB 480-395914/10	T3868.D	01/16/2018	11:34
MW-4 DL	480-129995-3 DL	T3870.D	01/16/2018	12:22
MW-16S	480-129995-7	T3871.D	01/16/2018	12:45
Duplicate	480-129995-8	T3872.D	01/16/2018	13:09
MW-16D DL	480-129995-10 DL	T3873.D	01/16/2018	13:33
MW-13S	480-129995-11	T3874.D	01/16/2018	13:57
MW-16S MS	480-129995-7 MS	T3885.D	01/16/2018	18:19
MW-16S MSD	480-129995-7 MSD	T3886.D	01/16/2018	18:43

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Sample No.: ICIS 480-395463/11 Date Analyzed: 01/11/2018 16:47
 Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): C1656.D Heated Purge: (Y/N) N
 Calibration ID: 32543

	FB		CBNZd5		DCBd4	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	178680	9.35	391104	11.75	413903	13.76
UPPER LIMIT	357360	9.85	782208	12.25	827806	14.26
LOWER LIMIT	89340	8.85	195552	11.25	206952	13.26
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCVIS 480-395910/3		179270	9.35	400340	11.75	429550
CCVIS 480-396044/2		178521	9.35	401335	11.75	426147

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

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Sample No.: CCVIS 480-395910/3 Date Analyzed: 01/16/2018 09:17
 Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): C1712.D Heated Purge: (Y/N) N
 Calibration ID: 32546

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		179270	9.35	400340	11.75	429550	13.76
UPPER LIMIT		358540	9.85	800680	12.25	859100	14.26
LOWER LIMIT		89635	8.85	200170	11.25	214775	13.26
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 480-395910/5		183433	9.35	404486	11.75	428043	13.76
MB 480-395910/8		183734	9.35	398329	11.75	417576	13.76
480-129995-2	MW-3	181513	9.35	397276	11.75	415040	13.76
480-129995-9	Rinse Blank	179567	9.35	384774	11.75	409722	13.76
480-129995-15	DPT-2	179555	9.35	394704	11.75	411602	13.76
480-129995-16	DPT-4	181315	9.35	392609	11.75	415201	13.76

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

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Sample No.: CCVIS 480-396044/2 Date Analyzed: 01/16/2018 20:35
 Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): C1738.D Heated Purge: (Y/N) N
 Calibration ID: 32546

	FB		CBNZd5		DCBd4	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	178521	9.35	401335	11.75	426147	13.76
UPPER LIMIT	357042	9.85	802670	12.25	852294	14.26
LOWER LIMIT	89261	8.85	200668	11.25	213074	13.26
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 480-396044/4		183405	9.35	410080	11.75	431780
MB 480-396044/6		181191	9.35	399822	11.75	417294
480-129995-14	DPT-1	179779	9.35	394399	11.75	420261
480-129995-17	DPT-5	179661	9.35	397747	11.75	424327
480-129995-18	DPT-7	181075	9.35	396566	11.75	411559
480-129995-19	DPT-8	179004	9.35	398983	11.75	416334
480-129995-19 MS	DPT-8 MS	176220	9.35	394181	11.75	421071
480-129995-19 MSD	DPT-8 MSD	180488	9.35	406702	11.75	428834

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

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Sample No.: ICIS 480-390433/11 Date Analyzed: 12/05/2017 15:21
 Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): 94702P.D Heated Purge: (Y/N) N
 Calibration ID: 32299

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	205219	10.43	444868	14.38	481236	17.34	
UPPER LIMIT	410438	10.93	889736	14.88	962472	17.84	
LOWER LIMIT	102610	9.93	222434	13.88	240618	16.84	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-395765/3		162549	10.43	380014	14.38	447109	17.34

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

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Sample No.: CCVIS 480-395765/3 Date Analyzed: 01/15/2018 09:33
 Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): 95543P.D Heated Purge: (Y/N) N
 Calibration ID: 32301

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		162549	10.43	380014	14.38	447109	17.34
UPPER LIMIT		325098	10.93	760028	14.88	894218	17.84
LOWER LIMIT		81275	9.93	190007	13.88	223555	16.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-395765/5		161238	10.42	398105	14.38	492313	17.33
MB 480-395765/7		159090	10.42	395457	14.38	469252	17.33
480-129995-1	MW-2	169987	10.43	421008	14.38	492984	17.33
480-129995-3	MW-4	171145	10.43	419861	14.38	491642	17.33
480-129995-4	MW-6	169869	10.43	414046	14.38	485802	17.33
480-129995-5	MW-10	165555	10.42	401969	14.38	476722	17.33
480-129995-6	MW-11	159685	10.42	412901	14.38	464550	17.33
480-129995-10	MW-16D	154907	10.42	385233	14.38	460268	17.33
480-129995-13	GWCT	155837	10.43	379272	14.38	456346	17.33
480-129995-20	Trip Blank	154835	10.43	382890	14.38	447297	17.33
480-129995-3 MS	MW-4 MS	164058	10.43	410249	14.38	477648	17.33
480-129995-3 MSD	MW-4 MSD	161188	10.42	401606	14.38	474227	17.33

FB = Fluorobenzene (IS)
 FB = Fluorobenzene (IS)
 CBNZd5 = Chlorobenzene-d5
 CBNZd5 = Chlorobenzene-d5
 Area Limit = 50%-200% of internal standard area
 DCBd4 = 1,4-Dichlorobenzene-d4
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Sample No.: ICIS 480-395447/13 Date Analyzed: 01/11/2018 17:08
 Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): T3811.D Heated Purge: (Y/N) N
 Calibration ID: 32575

	FB		CBNZd5		DCBd4	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	145474	4.87	568441	7.17	312984	9.04
UPPER LIMIT	290948	5.37	1136882	7.67	625968	9.54
LOWER LIMIT	72737	4.37	284221	6.67	156492	8.54
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCVIS 480-395851/3		143079	4.87	587846	7.17	320160
CCVIS 480-395914/3		148339	4.87	587146	7.17	316552

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

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Sample No.: CCVIS 480-395851/3 Date Analyzed: 01/15/2018 13:37
 Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): T3832.D Heated Purge: (Y/N) N
 Calibration ID: 32572

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		143079	4.87	587846	7.17	320160	9.04
UPPER LIMIT		286158	5.37	1175692	7.67	640320	9.54
LOWER LIMIT		71540	4.37	293923	6.67	160080	8.54
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 480-395851/5		145690	4.87	582281	7.17	316934	9.04
MB 480-395851/8		146863	4.87	593260	7.17	327130	9.04
480-129995-12		MW-13D	144292	4.87	579014	7.17	322465

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

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Sample No.: CCVIS 480-395914/3 Date Analyzed: 01/16/2018 08:39
 Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): T3861.D Heated Purge: (Y/N) N
 Calibration ID: 32572

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		148339	4.87	587146	7.17	316552	9.04
UPPER LIMIT		296678	5.37	1174292	7.67	633104	9.54
LOWER LIMIT		74170	4.37	293573	6.67	158276	8.54
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-395914/5		140480	4.87	571689	7.17	307053	9.04
MB 480-395914/10		145095	4.87	586864	7.17	311878	9.04
480-129995-3 DL	MW-4 DL	146717	4.87	582230	7.17	323539	9.04
480-129995-7	MW-16S	143389	4.87	570416	7.17	316159	9.04
480-129995-8	Duplicate	146194	4.87	564715	7.17	312833	9.04
480-129995-10 DL	MW-16D DL	143257	4.87	574464	7.17	312348	9.04
480-129995-11	MW-13S	145462	4.87	584810	7.17	322184	9.04
480-129995-7 MS	MW-16S MS	143019	4.87	574896	7.17	316399	9.04
480-129995-7 MSD	MW-16S MSD	141464	4.87	574101	7.17	315833	9.04

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

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

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-2</u>	Lab Sample ID: <u>480-129995-1</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>95553P.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/08/2018 11:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/15/2018 14:25</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395765</u>	Units: <u>ug/L</u>

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-2</u>	Lab Sample ID: <u>480-129995-1</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>95553P.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/08/2018 11:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/15/2018 14:25</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395765</u>	Units: <u>ug/L</u>

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
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
2037-26-5	Toluene-d8 (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	113		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95553P.D
 Lims ID: 480-129995-A-1
 Client ID: MW-2
 Sample Type: Client
 Inject. Date: 15-Jan-2018 14:25:30 ALS Bottle#: 100 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-129995-a-1
 Misc. Info.: 480-0068571-018
 Operator ID: RB Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 10:34:34 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: baroner

Date: 16-Jan-2018 10:34:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.427	10.421	0.006	97	169987	25.0	
* 2 Chlorobenzene-d5	82	14.376	14.376	0.000	92	421008	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.332	17.332	0.000	94	492984	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.624	9.630	0.000	93	262128	28.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.081	10.075	0.006	0	163711	26.9	
\$ 5 Toluene-d8 (Surr)	98	12.411	12.417	-0.006	95	957841	24.4	
\$ 6 4-Bromofluorobenzene (Surr	174	15.872	15.872	0.000	92	335070	24.1	
10 Dichlorodifluoromethane	85		4.326				ND	
11 Chloromethane	50		4.745				ND	
17 Vinyl chloride	62		4.946				ND	
12 Bromomethane	94		5.585				ND	
13 Chloroethane	64	5.707	5.713	-0.006	63	11305	1.26	
14 Trichlorofluoromethane	101		6.065				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.735				ND	
25 1,1-Dichloroethene	96		6.820				ND	
24 Acetone	43	6.887	6.887	0.006	86	13518	1.32	7M
27 Carbon disulfide	76		7.227				ND	
30 Methyl acetate	43		7.246				ND	
31 Methylene Chloride	84		7.471				ND	
32 Methyl tert-butyl ether	73		7.684				ND	
35 trans-1,2-Dichloroethene	96		7.769				ND	
40 1,1-Dichloroethane	63	8.341	8.335	0.006	1	4819	0.1742	
44 2-Butanone (MEK)	43		9.010				ND	
43 cis-1,2-Dichloroethene	96	9.053	9.053	0.013	12	3477	0.2607	
49 Chloroform	83		9.411				ND	
52 1,1,1-Trichloroethane	97		9.637				ND	
54 Cyclohexane	56	9.673	9.673	-0.018	29	8225	0.2113	
55 Carbon tetrachloride	117		9.837				ND	
57 Benzene	78		10.117				ND	
60 1,2-Dichloroethane	62		10.178				ND	
62 Trichloroethene	95		10.878				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		11.072				ND	
63 1,2-Dichloropropane	63		11.218				ND	
70 Dichlorobromomethane	83		11.553				ND	
73 cis-1,3-Dichloropropene	75		12.088				ND	
75 4-Methyl-2-pentanone (MIBK)	43		12.192				ND	
76 Toluene	92		12.508				ND	
78 trans-1,3-Dichloropropene	75		12.800				ND	
79 1,1,2-Trichloroethane	83		13.086				ND	
80 Tetrachloroethene	166		13.232				ND	
83 2-Hexanone	43		13.275				ND	
81 Chlorodibromomethane	129		13.664				ND	
85 Ethylene Dibromide	107		13.859				ND	
87 Chlorobenzene	112		14.418				ND	
89 Ethylbenzene	91		14.461				ND	
90 m-Xylene & p-Xylene	106		14.595				ND	
93 o-Xylene	106		15.148				ND	
94 Styrene	104		15.173				ND	
92 Bromoform	173		15.562				ND	
95 Isopropylbenzene	105		15.574				ND	
97 1,1,2,2-Tetrachloroethane	83		16.043				ND	
110 1,3-Dichlorobenzene	146		17.259				ND	
111 1,4-Dichlorobenzene	146		17.363				ND	
116 1,2-Dichlorobenzene	146		17.862				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.914				ND	
119 1,2,4-Trichlorobenzene	180		20.015				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00280

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00261

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95553P.D

Injection Date: 15-Jan-2018 14:25:30

Instrument ID: HP5973P

Operator ID: RB

Lims ID: 480-129995-A-1

Lab Sample ID: 480-129995-1

Worklist Smp#: 18

Client ID: MW-2

Purge Vol: 5.000 mL

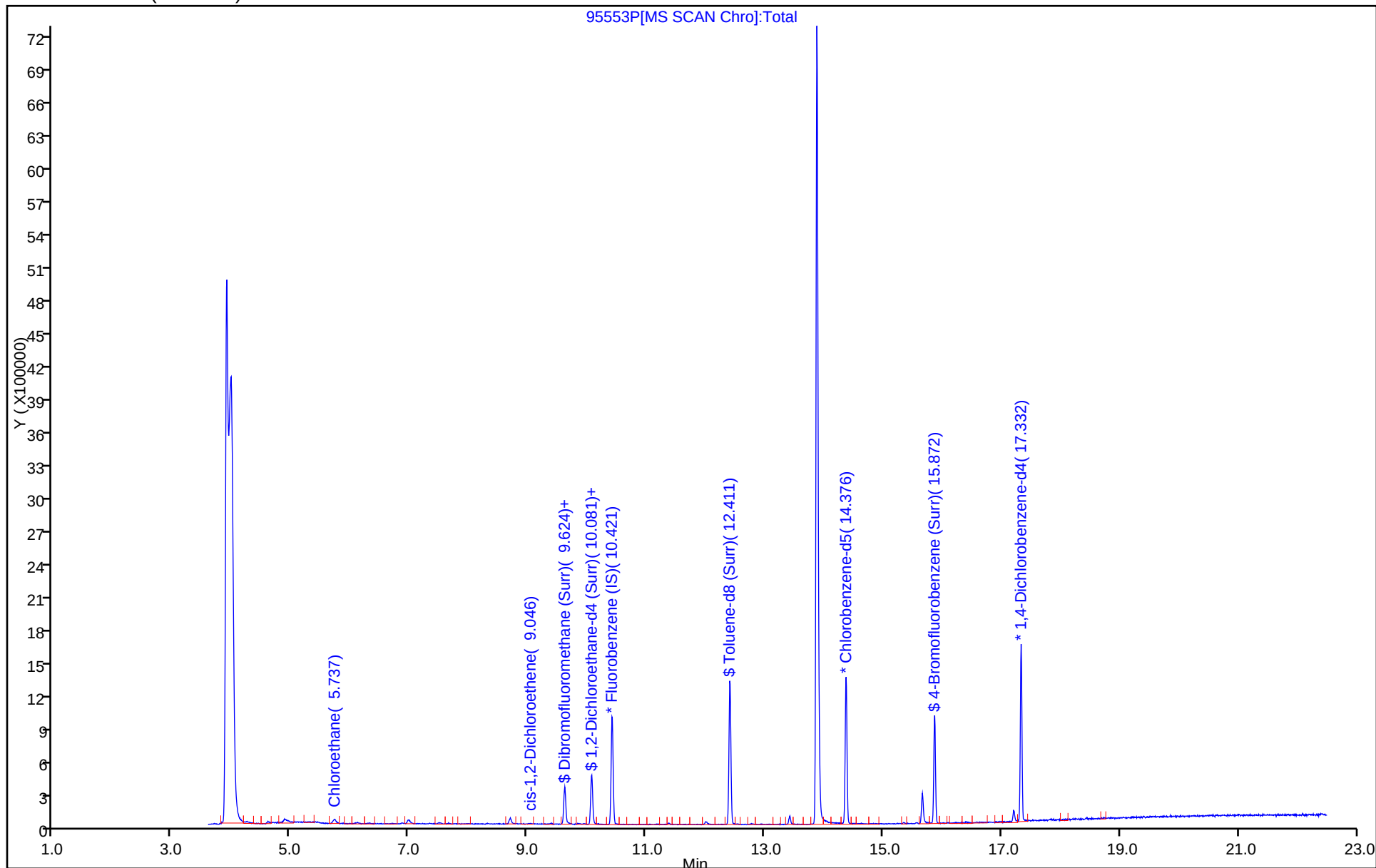
Dil. Factor: 1.0000

ALS Bottle#: 100

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95553P.D

Injection Date: 15-Jan-2018 14:25:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-1

Lab Sample ID: 480-129995-1

Client ID: MW-2

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 18

Purge Vol: 5.000 mL

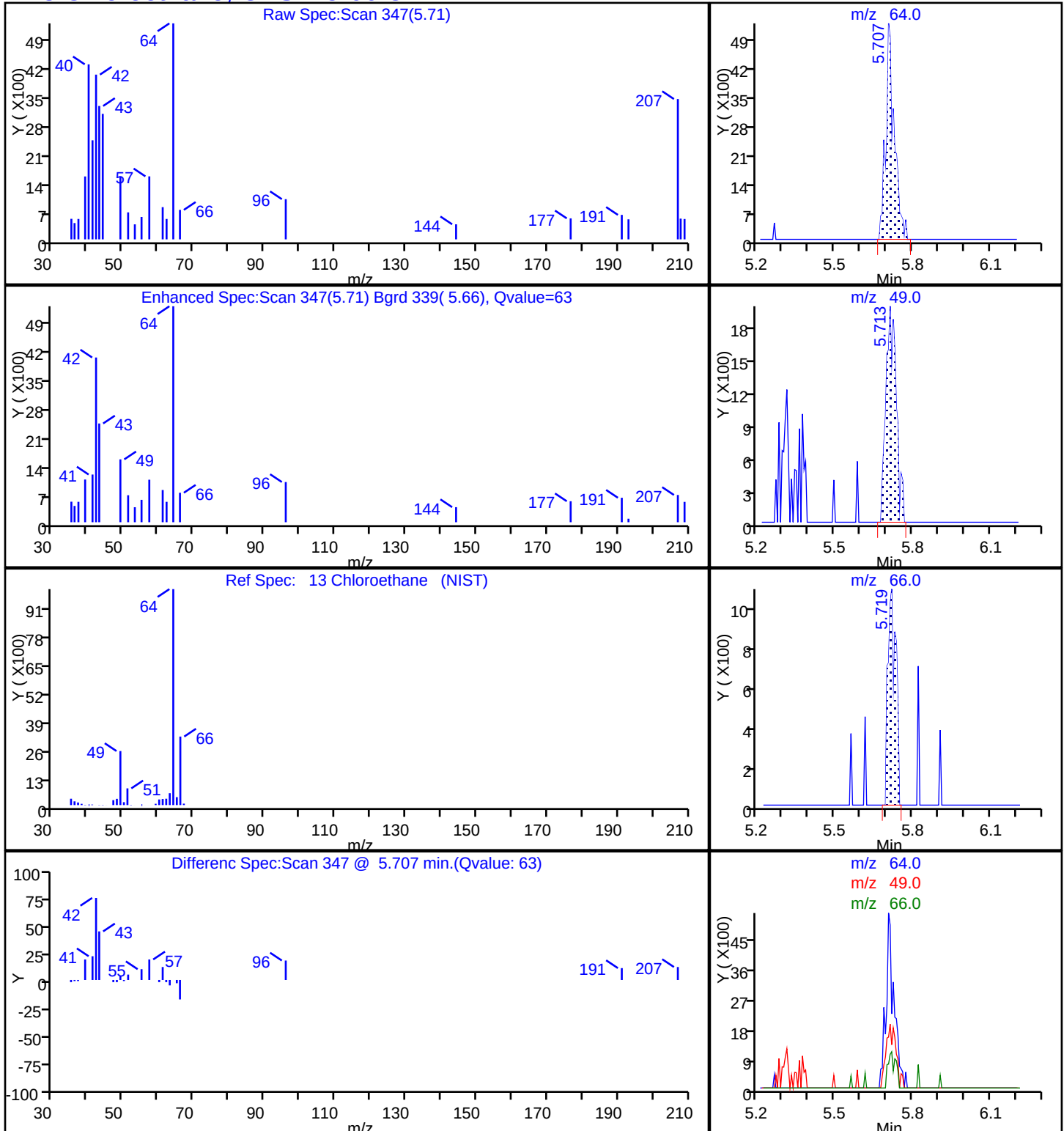
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95553P.D

Injection Date: 15-Jan-2018 14:25:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-1

Lab Sample ID: 480-129995-1

Client ID: MW-2

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 18

Purge Vol: 5.000 mL

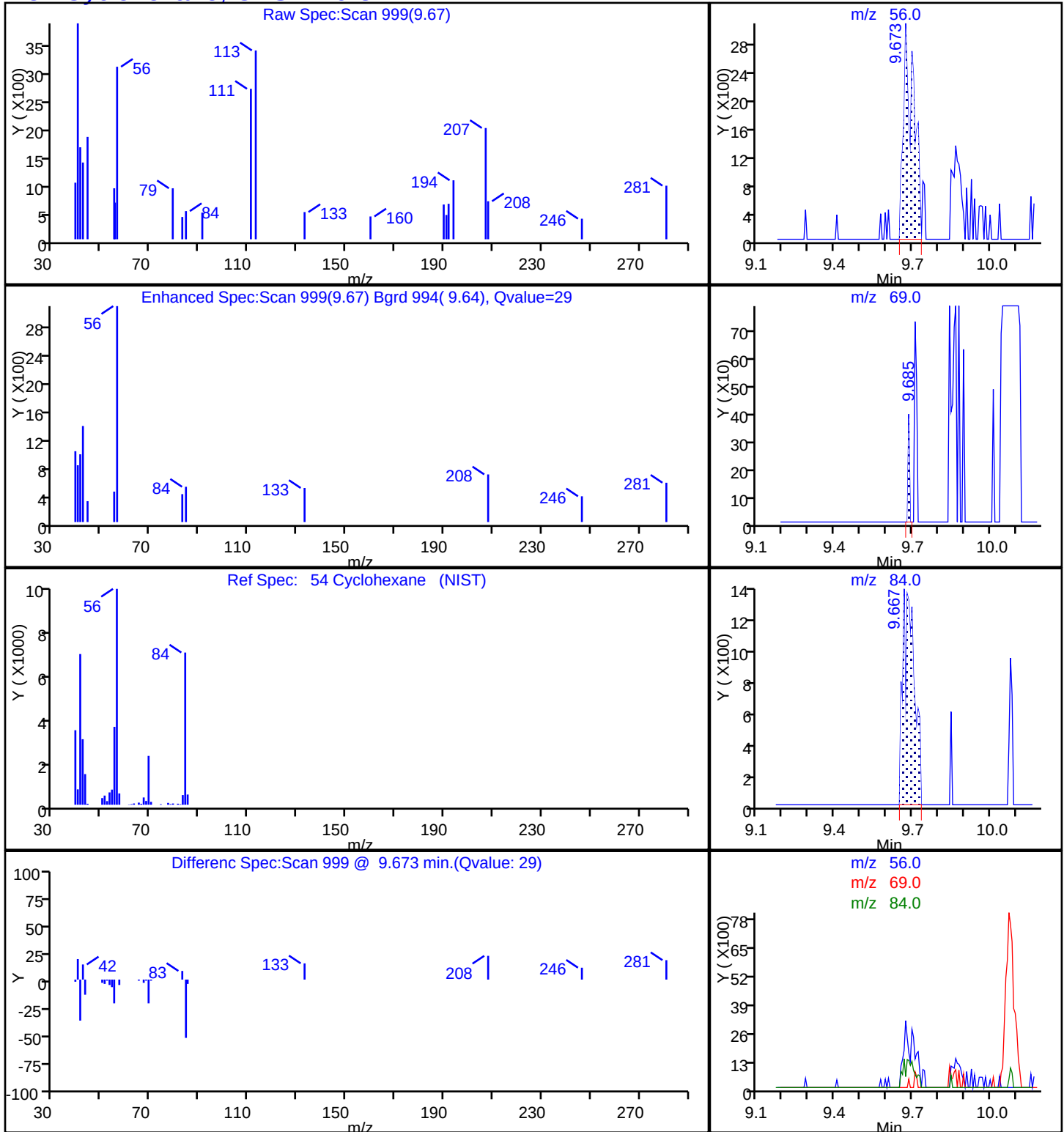
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

54 Cyclohexane, CAS: 110-82-7

TestAmerica Buffalo

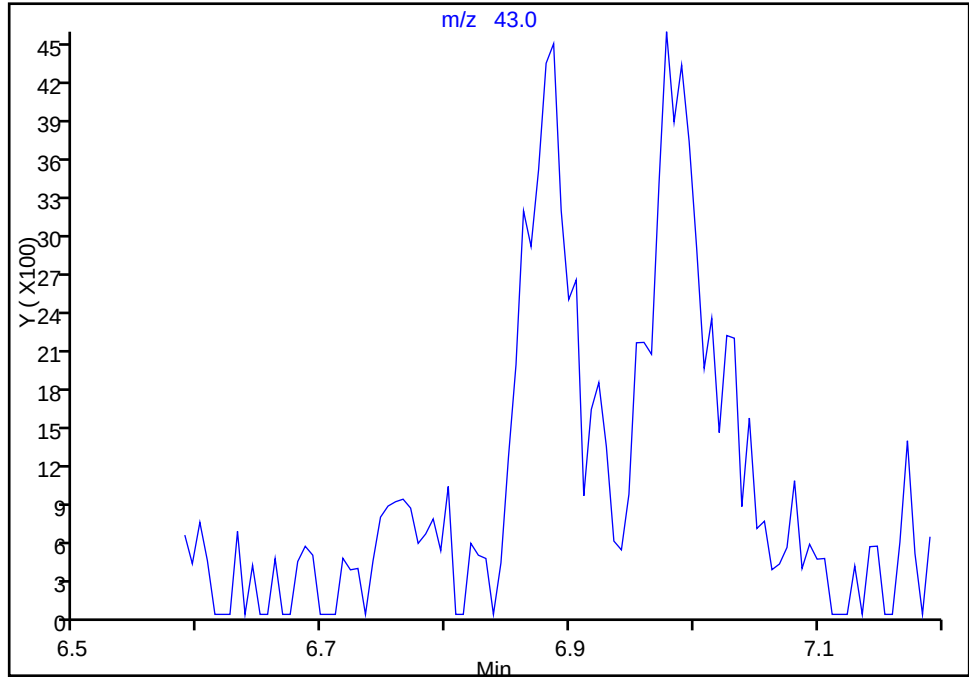
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95553P.D
Injection Date: 15-Jan-2018 14:25:30 Instrument ID: HP5973P
Lims ID: 480-129995-A-1 Lab Sample ID: 480-129995-1
Client ID: MW-2
Operator ID: RB ALS Bottle#: 100 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

24 Acetone, CAS: 67-64-1

Signal: 1

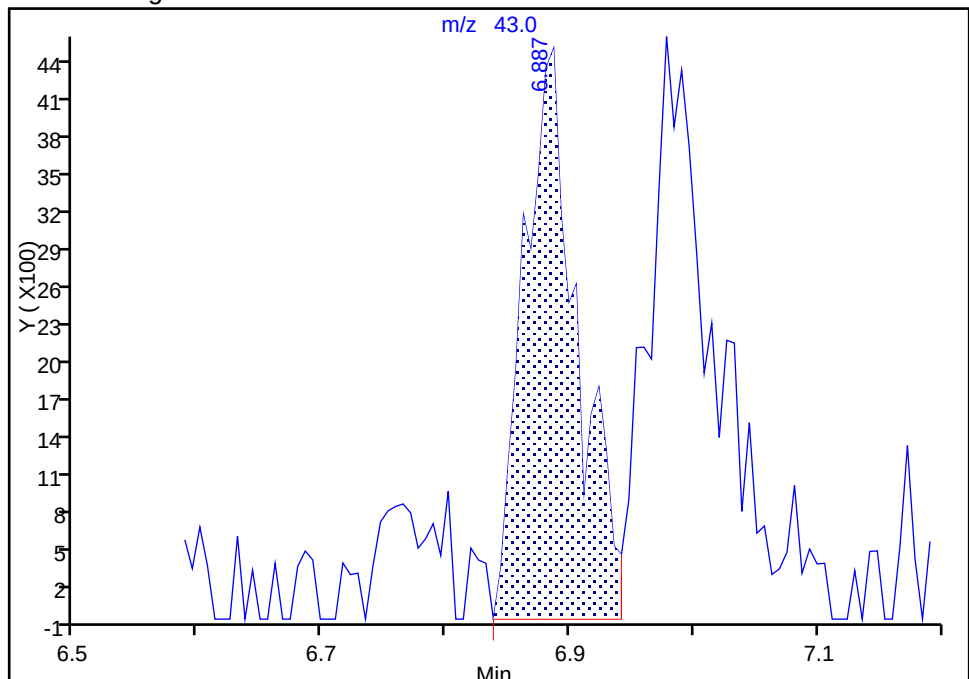
Not Detected
Expected RT: 6.88

Processing Integration Results



RT: 6.89
Area: 13518
Amount: 1.321224
Amount Units: ug/L

Manual Integration Results



Reviewer: baroner, 16-Jan-2018 10:33:29
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

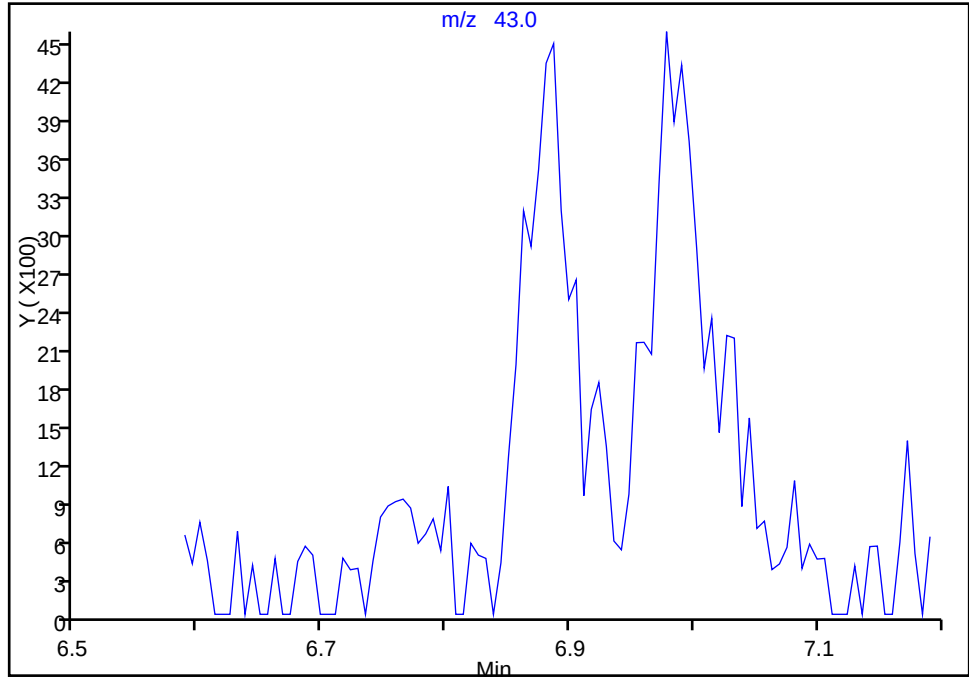
Data File:	\\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95553P.D		
Injection Date:	15-Jan-2018 14:25:30	Instrument ID:	HP5973P
Lims ID:	480-129995-A-1	Lab Sample ID:	480-129995-1
Client ID:	MW-2		
Operator ID:	RB	ALS Bottle#:	100
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260H2O	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	18

24 Acetone, CAS: 67-64-1

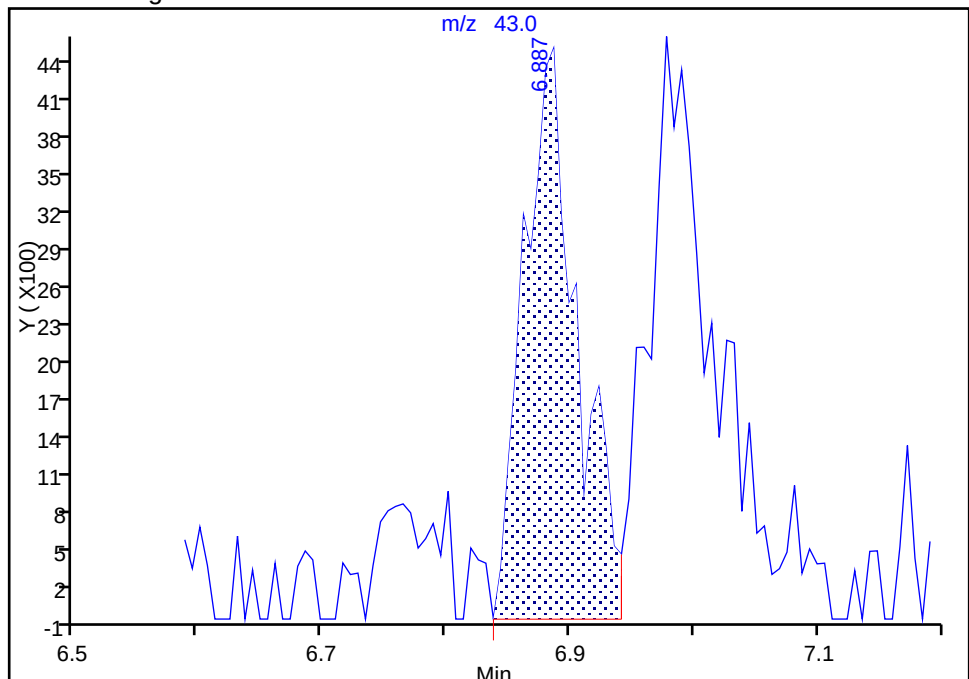
Signal: 1

Not Detected
Expected RT: 6.88

Processing Integration Results



Manual Integration Results



Reviewer: baroner, 16-Jan-2018 10:33:56

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-3</u>	Lab Sample ID: <u>480-129995-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>C1727.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/10/2018 10:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/16/2018 15:47</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395910</u>	Units: <u>ug/L</u>

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: MW-3 Lab Sample ID: 480-129995-2
 Matrix: Water Lab File ID: C1727.D
 Analysis Method: 8260C Date Collected: 01/10/2018 10:15
 Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 15:47
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 395910 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	3.3		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	11		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
2037-26-5	Toluene-d8 (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	88		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1727.D
 Lims ID: 480-129995-A-2
 Client ID: MW-3
 Sample Type: Client
 Inject. Date: 16-Jan-2018 15:47:30 ALS Bottle#: 18 Worklist Smp#: 30
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-129995-a-2
 Misc. Info.: 480-0068592-030
 Operator ID: RR Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 16:58:31 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK031

First Level Reviewer: nowakk

Date: 16-Jan-2018 16:58:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.345	9.345	0.000	99	181513	25.0	
* 2 Chlorobenzene-d5	82	11.753	11.752	0.001	85	397276	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	95	415040	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	220614	22.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	98	121761	21.8	
\$ 5 Toluene-d8 (Surr)	98	10.567	10.578	-0.011	93	837681	22.6	
\$ 6 4-Bromofluorobenzene (Surr	174	12.690	12.689	0.001	91	358116	26.6	
10 Dichlorodifluoromethane	85		4.460				ND	
12 Chloromethane	50		4.875				ND	
13 Vinyl chloride	62	5.088	5.088	0.000	99	203816	11.2	
14 Bromomethane	94		5.693				ND	
15 Chloroethane	64	5.823	5.823	0.000	97	8075	0.7225	
17 Trichlorofluoromethane	101		6.179				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.748				ND	
22 1,1-Dichloroethene	96		6.808				ND	
23 Acetone	43	6.843	6.843	0.000	98	7962	1.75	
26 Carbon disulfide	76		7.128				ND	
27 Methyl acetate	43		7.140				ND	
30 Methylene Chloride	84	7.306	7.306	0.000	84	56239	3.26	
32 Methyl tert-butyl ether	73		7.495				ND	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	57	8640	0.5420	
39 1,1-Dichloroethane	63	7.946	7.946	0.000	96	304014	12.0	
43 2-Butanone (MEK)	43		8.397				ND	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.012	61	56059	3.13	
50 Chloroform	83		8.669				ND	
51 1,1,1-Trichloroethane	97		8.859				ND	
52 Cyclohexane	56		8.907				ND	
55 Carbon tetrachloride	117		9.001				ND	
58 1,2-Dichloroethane	62		9.167				ND	
57 Benzene	78		9.167				ND	
62 Trichloroethene	95		9.630				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		9.784				ND	
65 1,2-Dichloropropane	63		9.832				ND	
68 Dichlorobromomethane	83		10.033				ND	
72 cis-1,3-Dichloropropene	75		10.353				ND	
73 4-Methyl-2-pentanone (MIBK)	43		10.389				ND	
74 Toluene	92		10.626				ND	
77 trans-1,3-Dichloropropene	75		10.768				ND	
79 1,1,2-Trichloroethane	83		10.946				ND	
80 2-Hexanone	43		11.029				ND	
81 Tetrachloroethene	166		11.077				ND	
83 Chlorodibromomethane	129		11.314				ND	
84 Ethylene Dibromide	107		11.444				ND	
87 Chlorobenzene	112		11.776				ND	
88 Ethylbenzene	91		11.788				ND	
90 m-Xylene & p-Xylene	106		11.871				ND	
91 o-Xylene	106		12.215				ND	
92 Styrene	104		12.227				ND	
94 Isopropylbenzene	105		12.488				ND	
95 Bromoform	173		12.500				ND	
97 1,1,2,2-Tetrachloroethane	83		12.761				ND	
111 1,3-Dichlorobenzene	146		13.709				ND	
113 1,4-Dichlorobenzene	146		13.780				ND	
116 1,2-Dichlorobenzene	146		14.196				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.061				ND	
119 1,2,4-Trichlorobenzene	180		16.105				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

C_8260_IS_00105	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00121	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180116-68592.b\\C1727.D

Injection Date: 16-Jan-2018 15:47:30

Instrument ID: HP5973C

Operator ID: RR

Lims ID: 480-129995-A-2

Lab Sample ID: 480-129995-2

Worklist Smp#: 30

Client ID: MW-3

Purge Vol: 5.000 mL

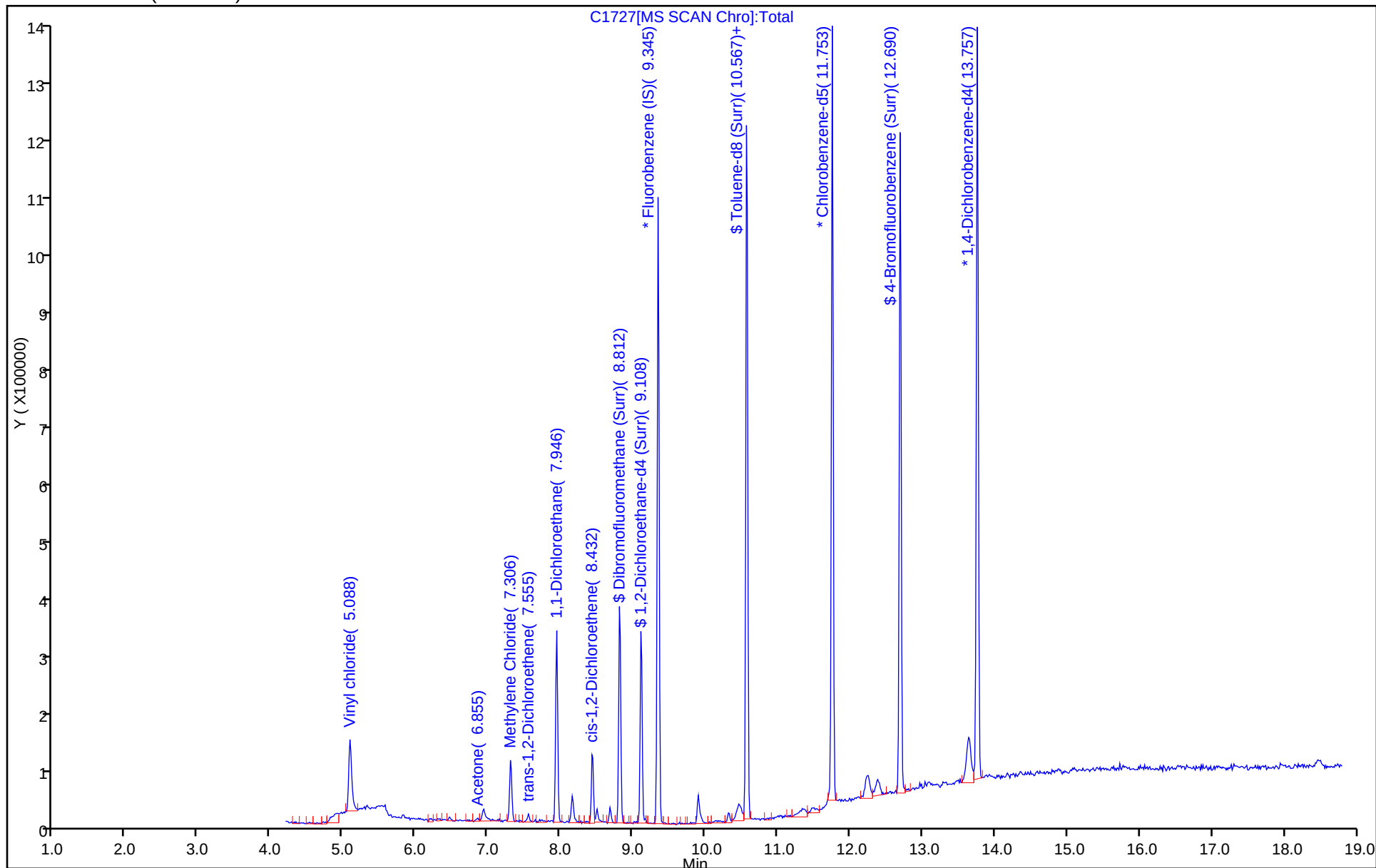
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1727.D

Injection Date: 16-Jan-2018 15:47:30

Instrument ID: HP5973C

Lims ID: 480-129995-A-2

Lab Sample ID: 480-129995-2

Client ID: MW-3

Operator ID: RR

ALS Bottle#: 18

Worklist Smp#: 30

Purge Vol: 5.000 mL

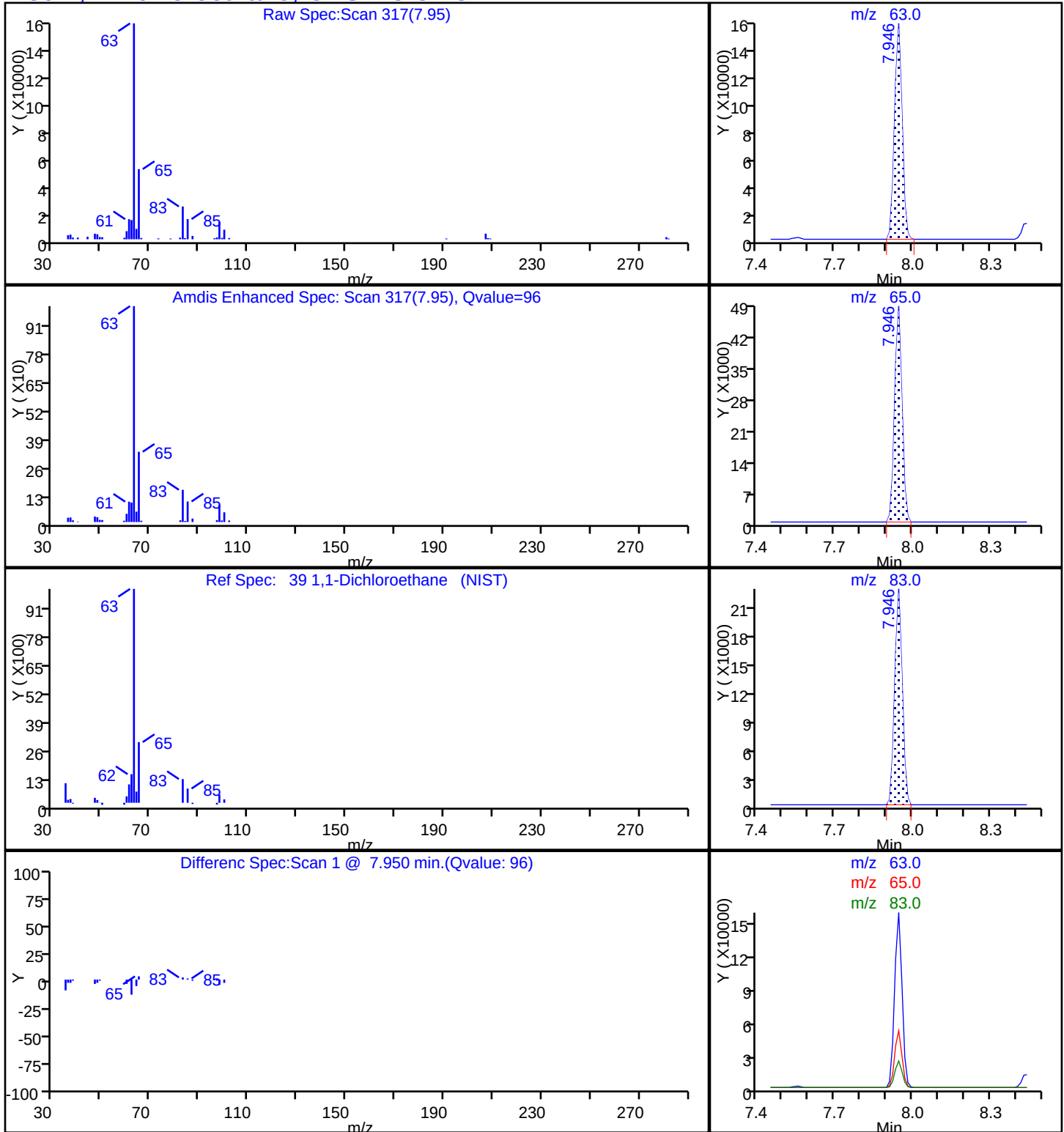
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1727.D

Injection Date: 16-Jan-2018 15:47:30

Instrument ID: HP5973C

Lims ID: 480-129995-A-2

Lab Sample ID: 480-129995-2

Client ID: MW-3

Operator ID: RR

ALS Bottle#: 18

Worklist Smp#: 30

Purge Vol: 5.000 mL

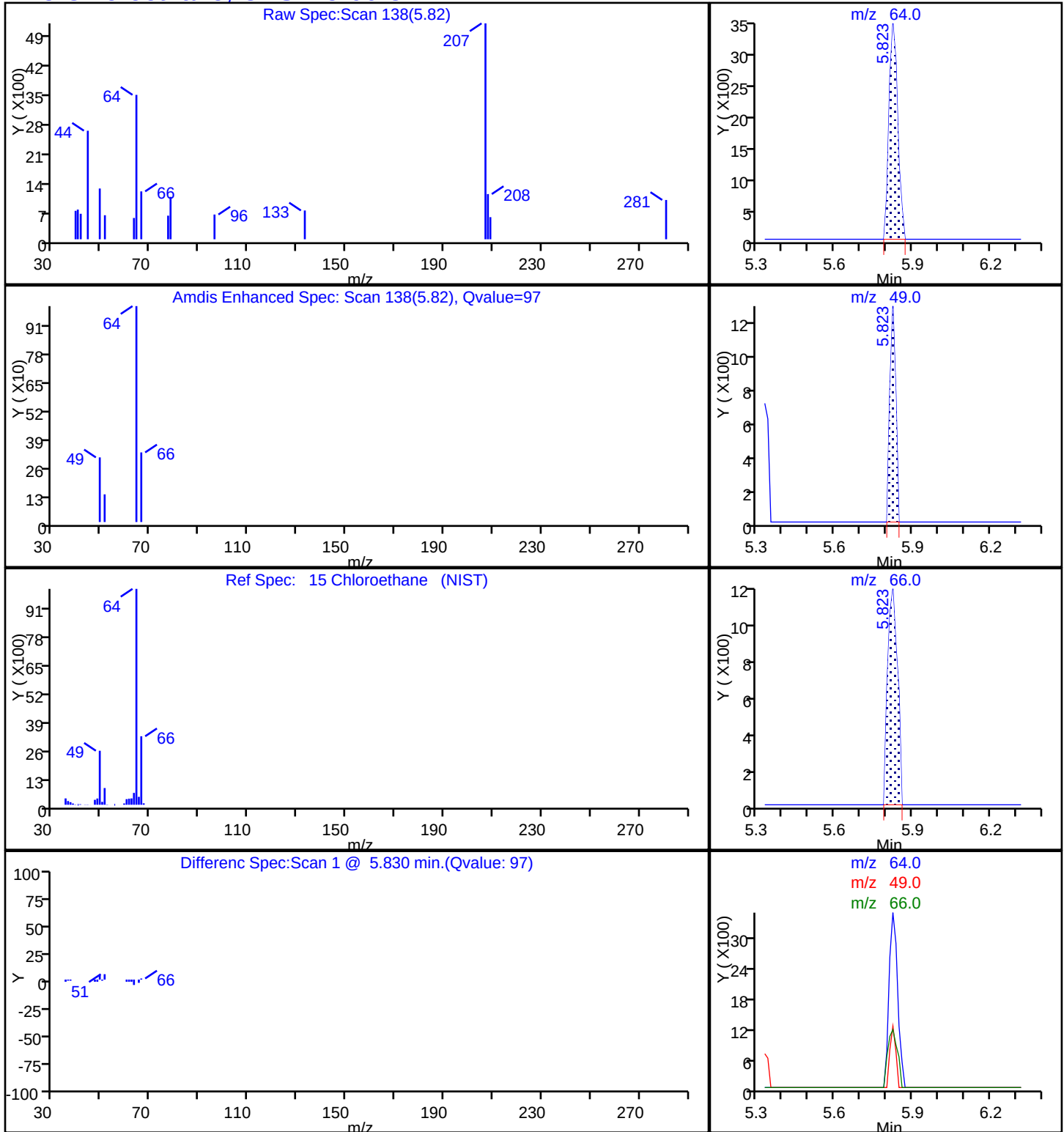
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1727.D

Injection Date: 16-Jan-2018 15:47:30

Instrument ID: HP5973C

Lims ID: 480-129995-A-2

Lab Sample ID: 480-129995-2

Client ID: MW-3

Operator ID: RR

ALS Bottle#: 18

Worklist Smp#: 30

Purge Vol: 5.000 mL

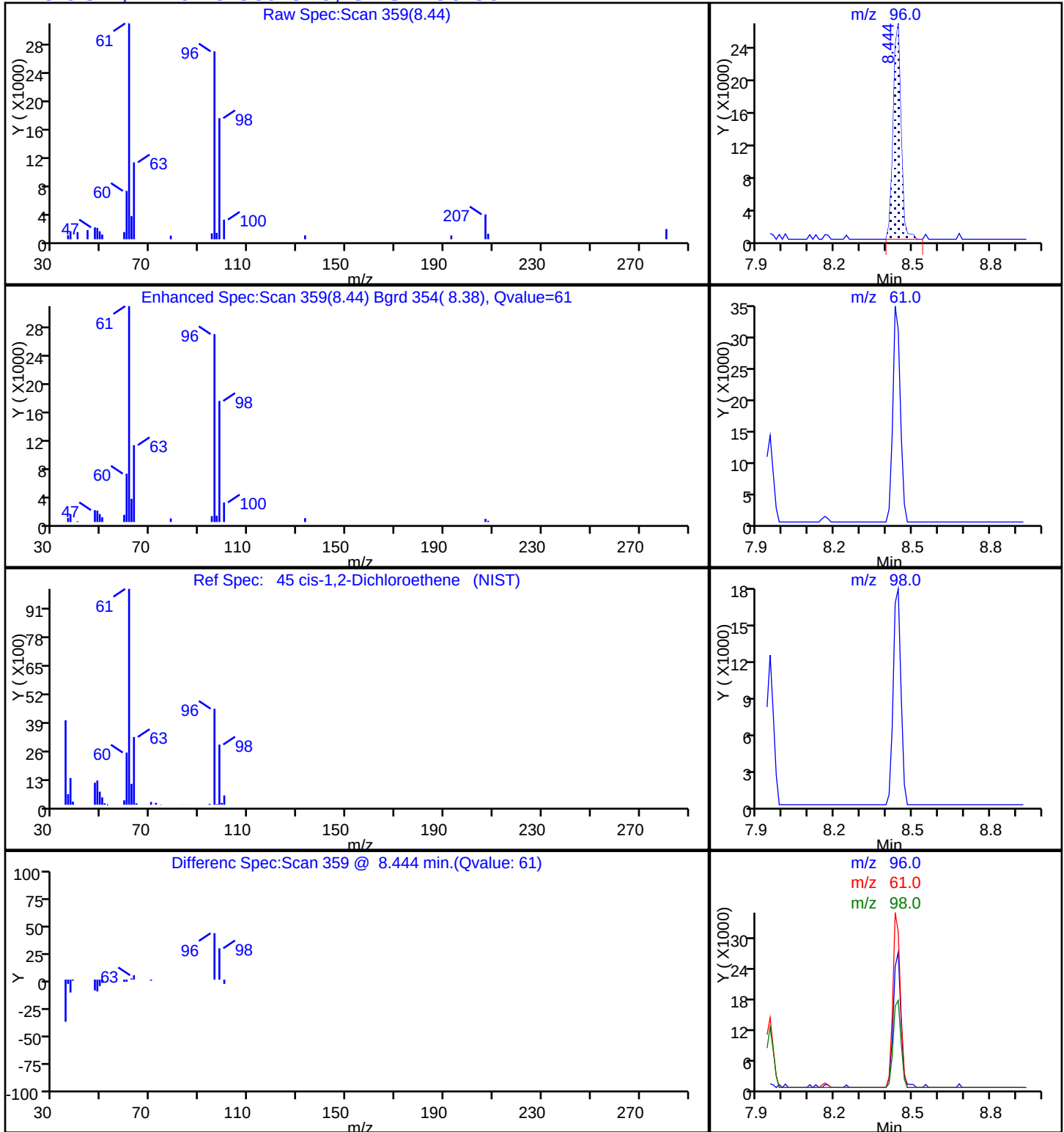
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180116-68592.b\\C1727.D

Injection Date: 16-Jan-2018 15:47:30

Instrument ID: HP5973C

Lims ID: 480-129995-A-2

Lab Sample ID: 480-129995-2

Client ID: MW-3

Operator ID: RR

ALS Bottle#: 18

Worklist Smp#: 30

Purge Vol: 5.000 mL

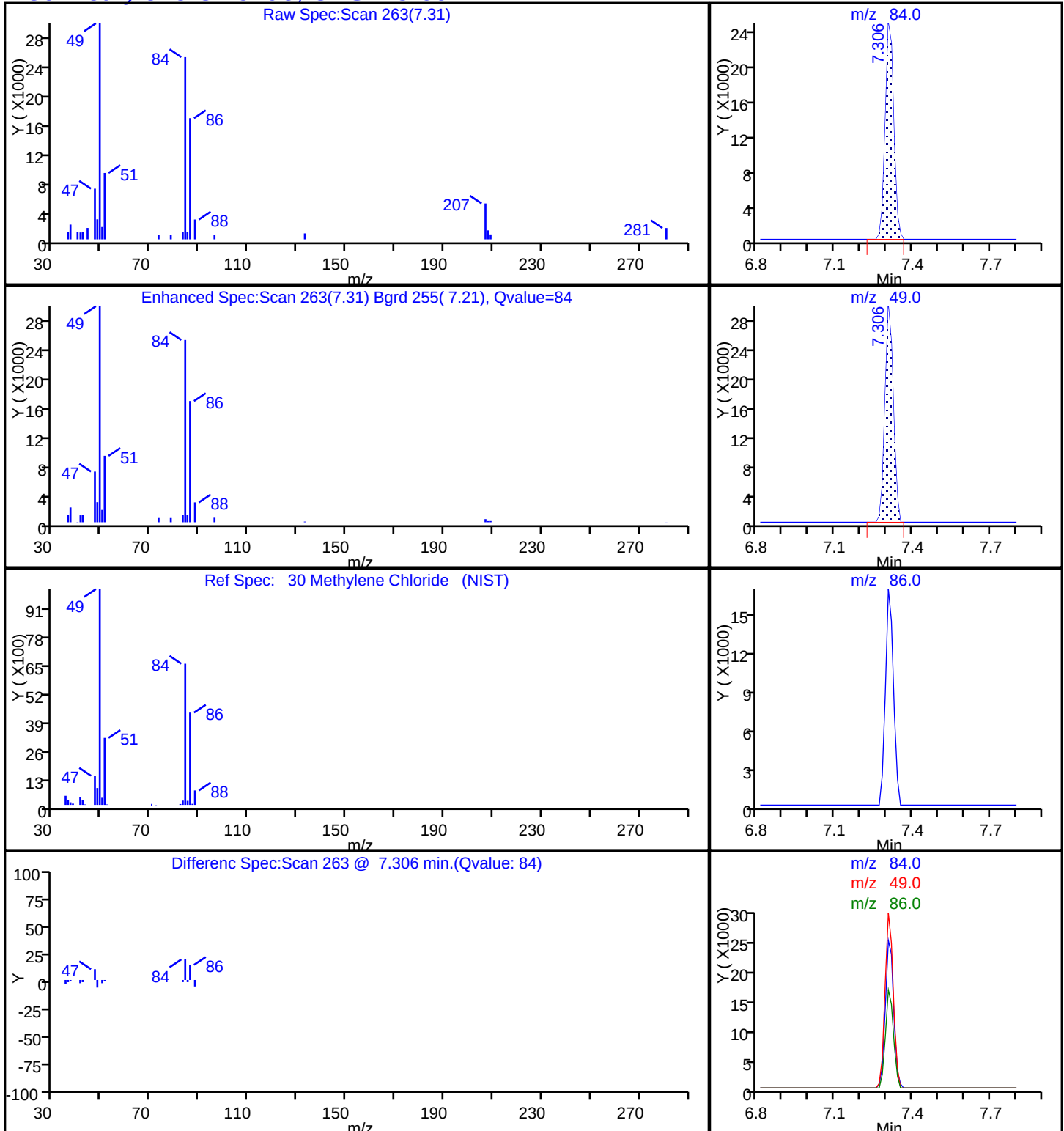
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1727.D

Injection Date: 16-Jan-2018 15:47:30

Instrument ID: HP5973C

Lims ID: 480-129995-A-2

Lab Sample ID: 480-129995-2

Client ID: MW-3

Operator ID: RR

ALS Bottle#: 18

Worklist Smp#: 30

Purge Vol: 5.000 mL

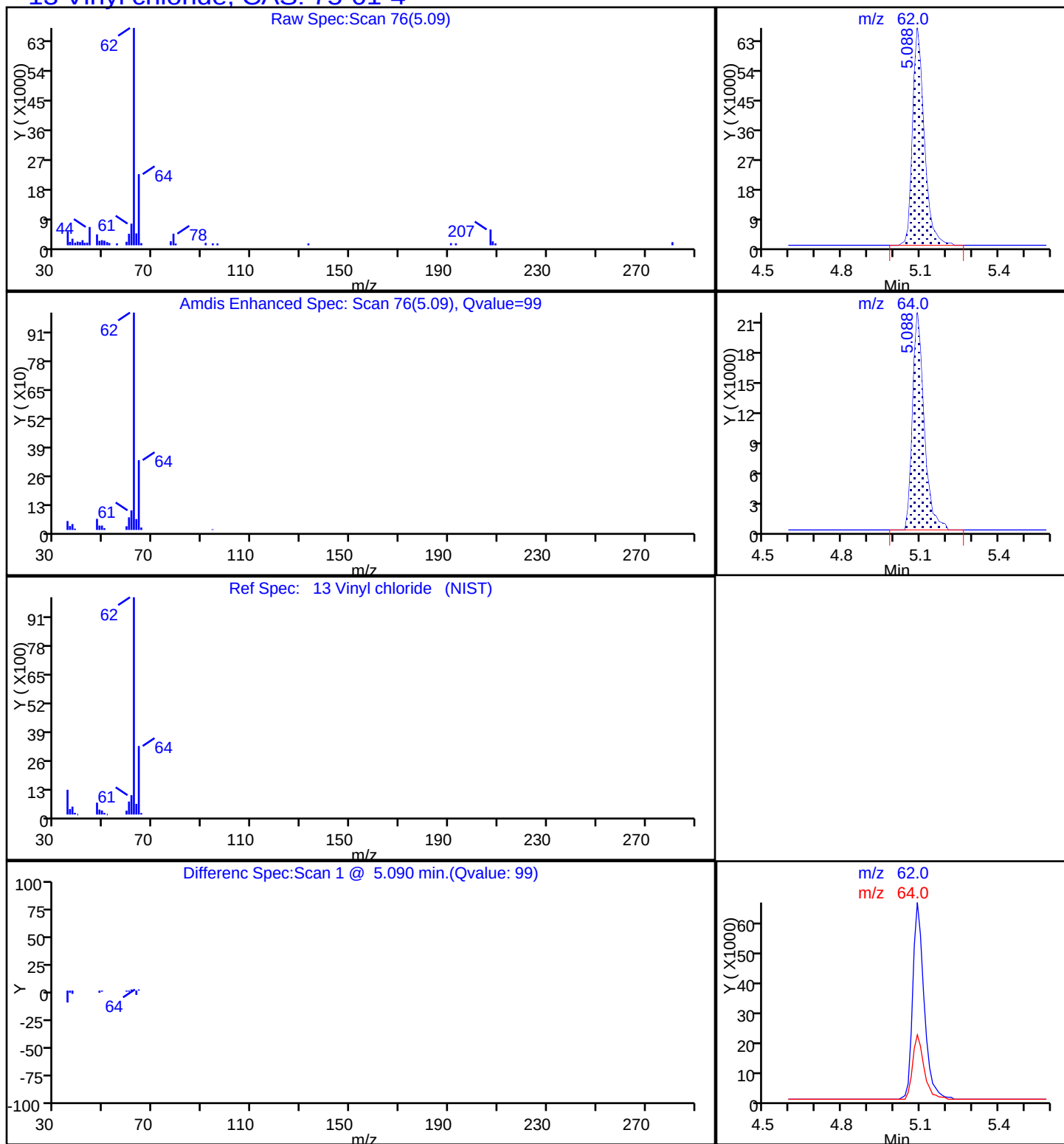
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-4</u>	Lab Sample ID: <u>480-129995-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>95554P.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/08/2018 12:25</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/15/2018 14:52</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>5</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395765</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6
79-00-5	1,1,2-Trichloroethane	ND		5.0	1.2
75-34-3	1,1-Dichloroethane	8.0		5.0	1.9
75-35-4	1,1-Dichloroethene	ND		5.0	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	2.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.0
106-93-4	1,2-Dibromoethane	ND		5.0	3.7
95-50-1	1,2-Dichlorobenzene	ND		5.0	4.0
107-06-2	1,2-Dichloroethane	ND		5.0	1.1
78-87-5	1,2-Dichloropropane	ND		5.0	3.6
541-73-1	1,3-Dichlorobenzene	ND		5.0	3.9
106-46-7	1,4-Dichlorobenzene	ND		5.0	4.2
78-93-3	2-Butanone (MEK)	210		50	6.6
591-78-6	2-Hexanone	ND		25	6.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	11
67-64-1	Acetone	81		50	15
71-43-2	Benzene	3.8	J	5.0	2.1
75-27-4	Bromodichloromethane	ND		5.0	2.0
75-25-2	Bromoform	ND		5.0	1.3
74-83-9	Bromomethane	ND		5.0	3.5
75-15-0	Carbon disulfide	ND		5.0	0.95
56-23-5	Carbon tetrachloride	ND		5.0	1.4
108-90-7	Chlorobenzene	ND		5.0	3.8
75-00-3	Chloroethane	660	E	5.0	1.6
67-66-3	Chloroform	ND		5.0	1.7
74-87-3	Chloromethane	ND		5.0	1.8
156-59-2	cis-1,2-Dichloroethene	6.0		5.0	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	1.8
110-82-7	Cyclohexane	ND		5.0	0.90
124-48-1	Dibromochloromethane	ND		5.0	1.6
75-71-8	Dichlorodifluoromethane	ND		5.0	3.4
100-41-4	Ethylbenzene	ND		5.0	3.7
98-82-8	Isopropylbenzene	ND		5.0	4.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: MW-4 Lab Sample ID: 480-129995-3

Matrix: Water Lab File ID: 95554P.D

Analysis Method: 8260C Date Collected: 01/08/2018 12:25

Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 14:52

Soil Aliquot Vol: _____ Dilution Factor: 5

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 395765 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		13	6.5
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.80
108-87-2	Methylcyclohexane	ND		5.0	0.80
75-09-2	Methylene Chloride	ND		5.0	2.2
100-42-5	Styrene	ND		5.0	3.7
127-18-4	Tetrachloroethene	ND		5.0	1.8
108-88-3	Toluene	11		5.0	2.6
156-60-5	trans-1,2-Dichloroethene	16		5.0	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	1.9
79-01-6	Trichloroethene	ND		5.0	2.3
75-69-4	Trichlorofluoromethane	ND		5.0	4.4
75-01-4	Vinyl chloride	46		5.0	4.5
1330-20-7	Xylenes, Total	ND		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
2037-26-5	Toluene-d8 (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95554P.D
 Lims ID: 480-129995-A-3
 Client ID: MW-4
 Sample Type: Client
 Inject. Date: 15-Jan-2018 14:52:30 ALS Bottle#: 100 Worklist Smp#: 19
 Purge Vol: 5.000 mL Dil. Factor: 5.0000
 Sample Info: 480-129995-a-3
 Misc. Info.: 480-0068571-019
 Operator ID: RB Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 10:36:15 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: baroner

Date: 16-Jan-2018 10:36:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.428	10.421	0.007	97	171145	25.0	
* 2 Chlorobenzene-d5	82	14.376	14.376	0.000	92	419861	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.332	17.332	0.000	94	491642	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.624	9.630	0.000	93	260960	27.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.075	10.075	0.000	0	160256	26.2	
\$ 5 Toluene-d8 (Surr)	98	12.417	12.417	0.000	95	942403	24.1	
\$ 6 4-Bromofluorobenzene (Surr	174	15.872	15.872	0.000	95	333583	24.0	
10 Dichlorodifluoromethane	85		4.326				ND	
11 Chloromethane	50		4.745				ND	
17 Vinyl chloride	62	4.940	4.970	-0.006	97	153467	9.17	
12 Bromomethane	94		5.585				ND	
13 Chloroethane	64	5.719	5.713	0.006	92	1195041	132.3	E
14 Trichlorofluoromethane	101		6.065				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.735				ND	
25 1,1-Dichloroethene	96		6.820				ND	
24 Acetone	43	6.875	6.887	-0.006	97	165918	16.1	
27 Carbon disulfide	76		7.227				ND	
30 Methyl acetate	43		7.246				ND	
31 Methylene Chloride	84	7.495	7.471	0.024	56	2857	0.2154	
32 Methyl tert-butyl ether	73		7.684				ND	
35 trans-1,2-Dichloroethene	96	7.769	7.769	0.000	87	36059	3.17	
40 1,1-Dichloroethane	63	8.329	8.335	-0.006	95	44377	1.59	
44 2-Butanone (MEK)	43	9.016	9.010	0.006	95	672534	41.4	
43 cis-1,2-Dichloroethene	96	9.053	9.053	0.013	85	16013	1.19	
49 Chloroform	83		9.411				ND	
52 1,1,1-Trichloroethane	97		9.637				ND	
54 Cyclohexane	56		9.691				ND	
55 Carbon tetrachloride	117		9.837				ND	
57 Benzene	78	10.117	10.117	0.000	87	32436	0.7514	
60 1,2-Dichloroethane	62	10.172	10.172	-0.006	16	3201	0.1345	7
62 Trichloroethene	95	10.859	10.859	-0.019	22	3314	0.2856	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		11.072				ND	
63 1,2-Dichloropropane	63		11.218				ND	
70 Dichlorobromomethane	83		11.553				ND	
73 cis-1,3-Dichloropropene	75		12.088				ND	
75 4-Methyl-2-pentanone (MIBK)	43	12.204	12.204	0.012	44	8920	0.2403	
76 Toluene	92	12.502	12.508	-0.006	95	73957	2.28	
78 trans-1,3-Dichloropropene	75		12.800				ND	
79 1,1,2-Trichloroethane	83		13.086				ND	
80 Tetrachloroethene	166		13.232				ND	
83 2-Hexanone	43	13.275	13.275	0.000	44	12583	0.4671	7M
81 Chlorodibromomethane	129		13.664				ND	
85 Ethylene Dibromide	107		13.859				ND	
87 Chlorobenzene	112		14.418				ND	
89 Ethylbenzene	91		14.461				ND	
90 m-Xylene & p-Xylene	106		14.595				ND	
93 o-Xylene	106		15.148				ND	
94 Styrene	104		15.173				ND	
92 Bromoform	173		15.562				ND	
95 Isopropylbenzene	105		15.574				ND	
97 1,1,2,2-Tetrachloroethane	83		16.043				ND	
110 1,3-Dichlorobenzene	146		17.259				ND	
111 1,4-Dichlorobenzene	146		17.363				ND	
116 1,2-Dichlorobenzene	146		17.862				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.914				ND	
119 1,2,4-Trichlorobenzene	180		20.015				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00280

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00261

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95554P.D

Injection Date: 15-Jan-2018 14:52:30

Instrument ID: HP5973P

Operator ID: RB

Lims ID: 480-129995-A-3

Lab Sample ID: 480-129995-3

Worklist Smp#: 19

Client ID: MW-4

Purge Vol: 5.000 mL

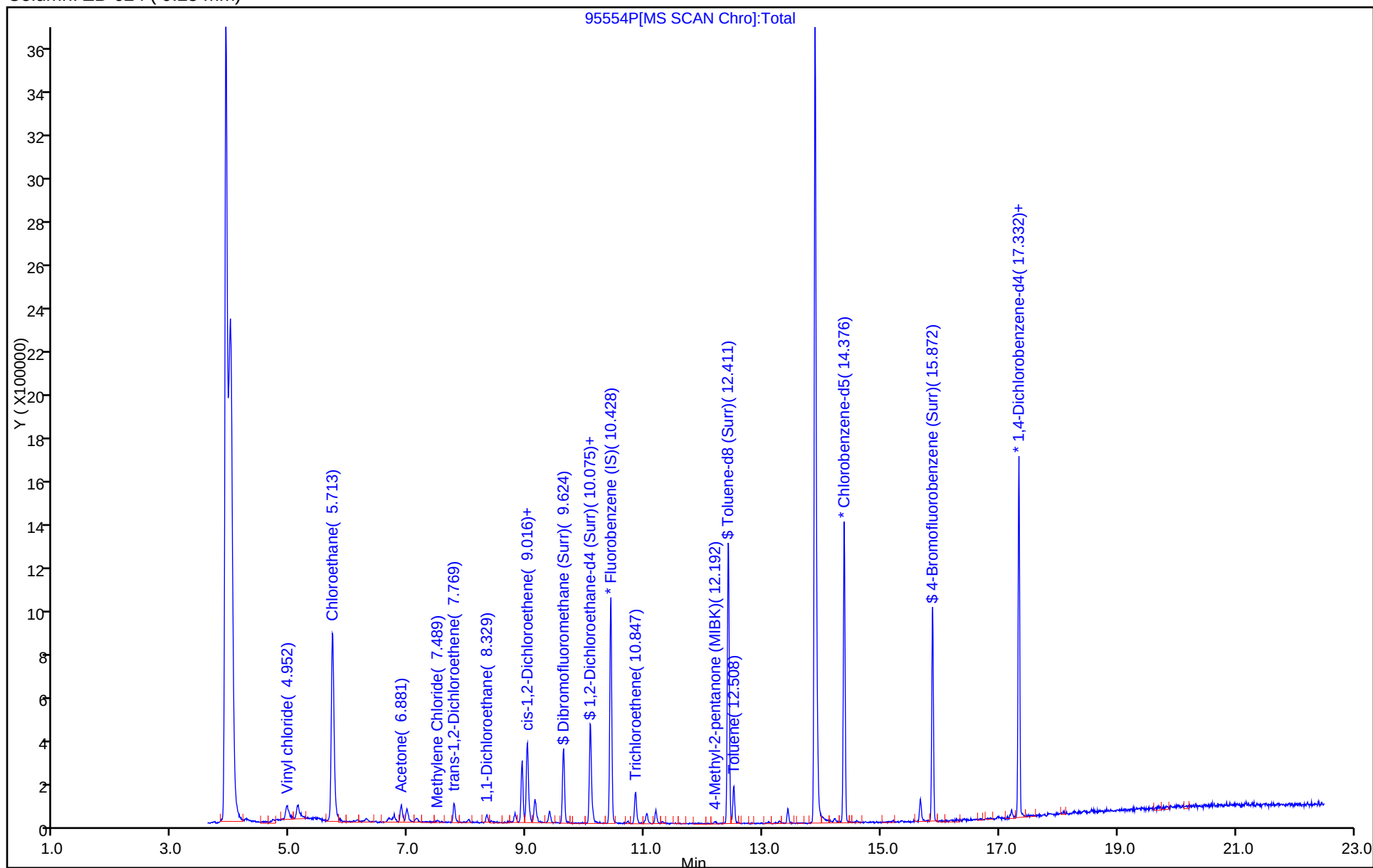
Dil. Factor: 5.0000

ALS Bottle#: 100

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95554P.D

Injection Date: 15-Jan-2018 14:52:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 19

Purge Vol: 5.000 mL

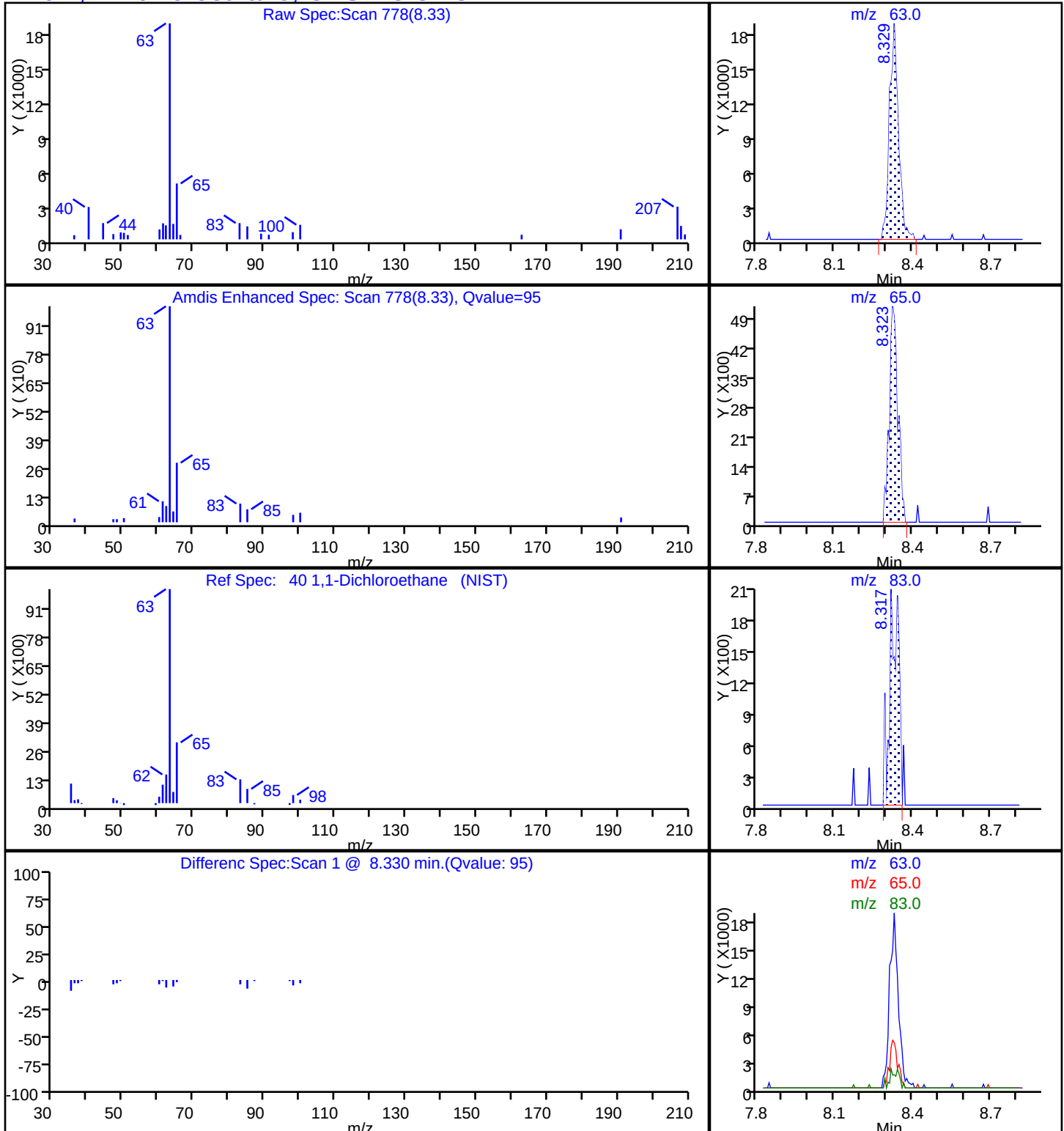
Dil. Factor: 5.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

40 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95554P.D

Injection Date: 15-Jan-2018 14:52:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 19

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

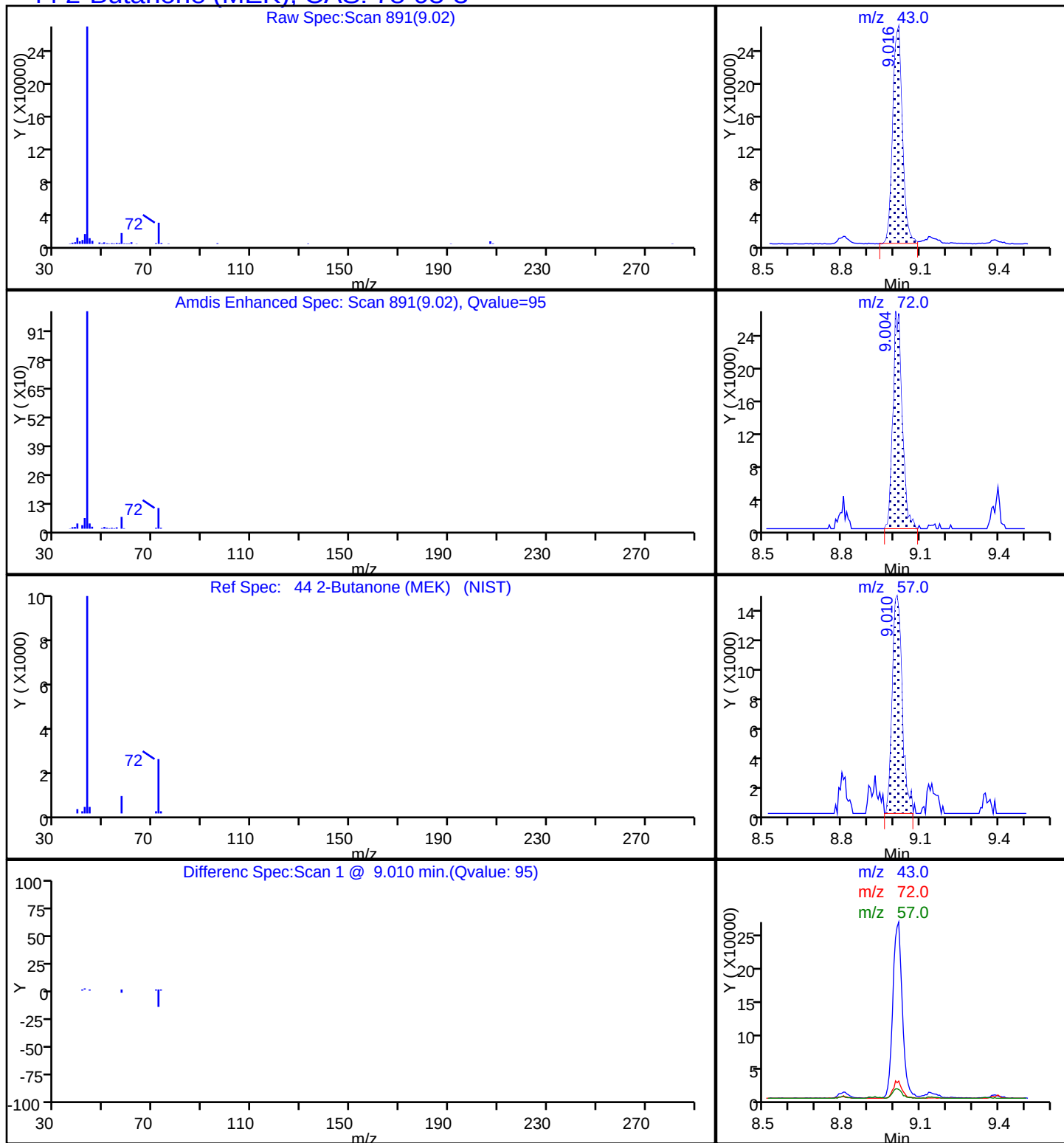
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95554P.D

Injection Date: 15-Jan-2018 14:52:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 19

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

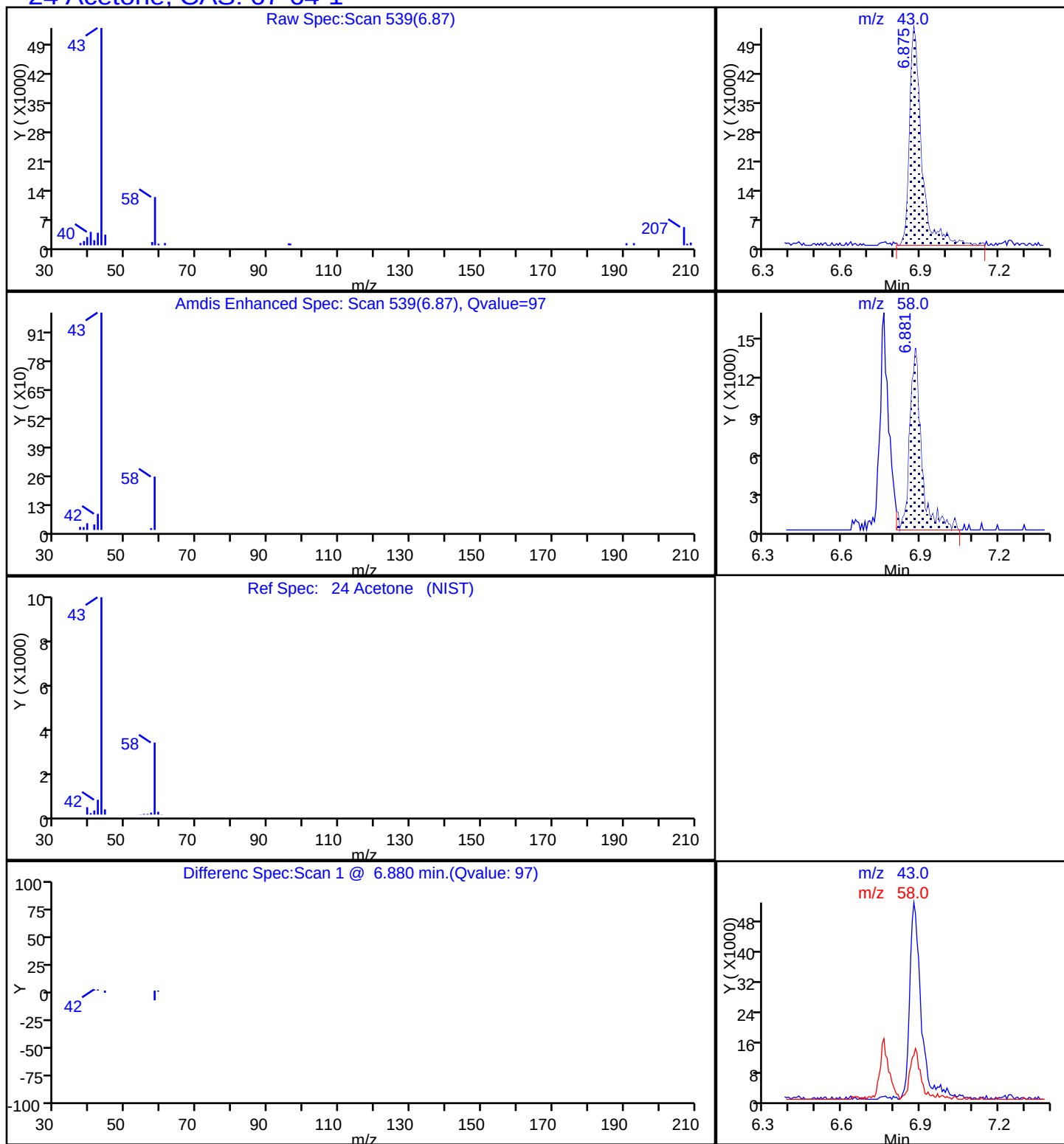
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

24 Acetone, CAS: 67-64-1



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95554P.D

Injection Date: 15-Jan-2018 14:52:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 19

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

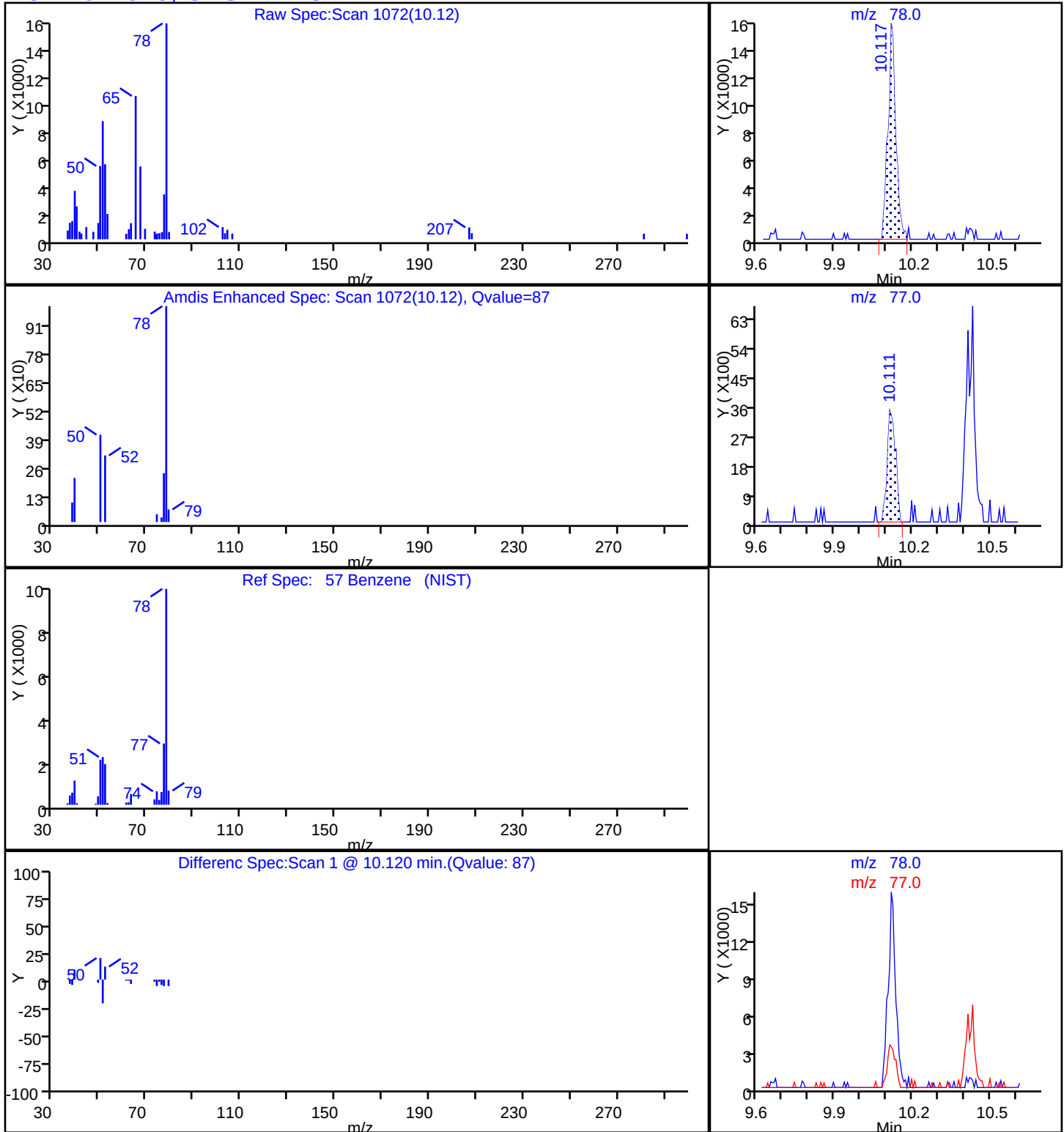
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95554P.D

Injection Date: 15-Jan-2018 14:52:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 19

Purge Vol: 5.000 mL

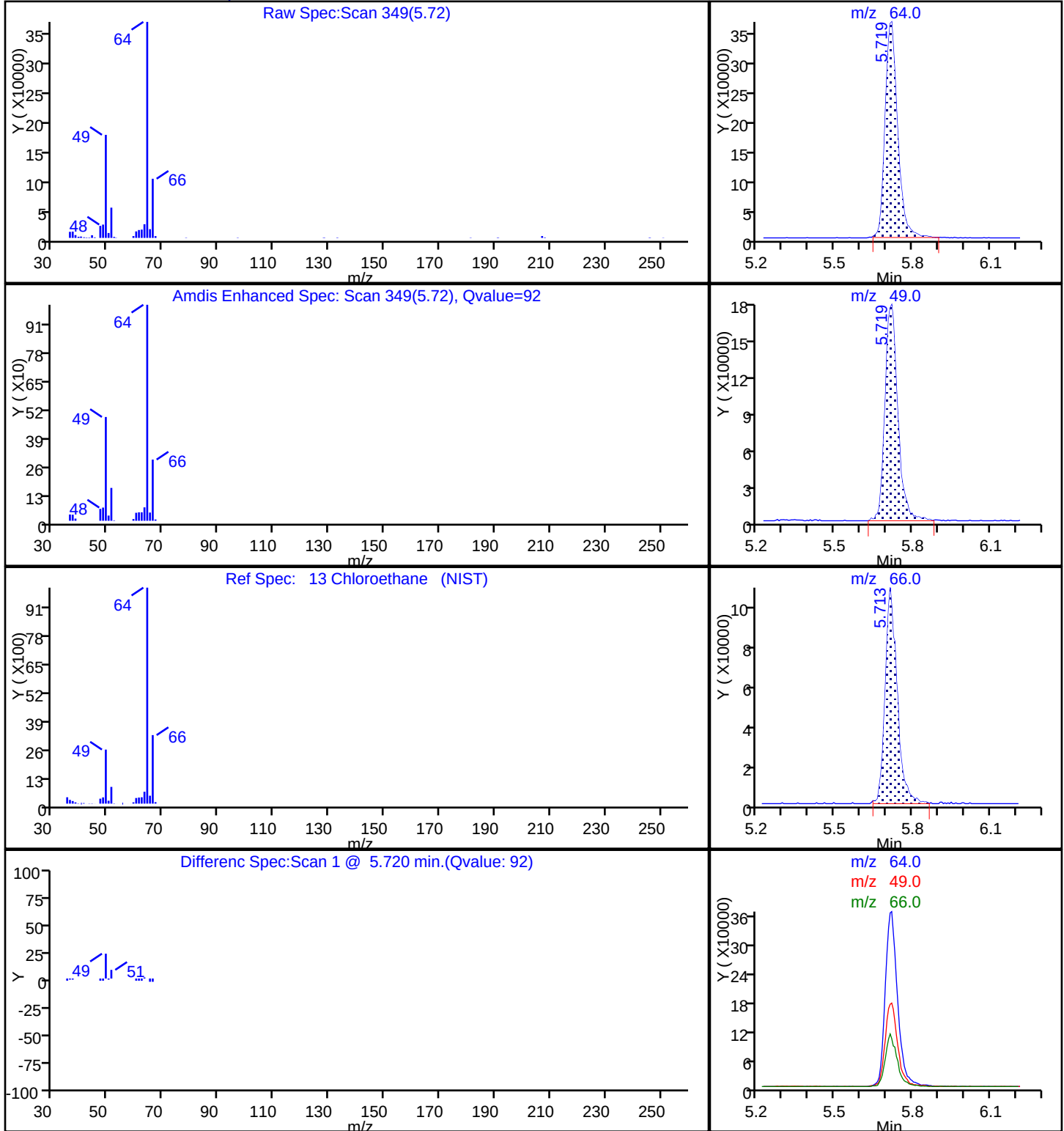
Dil. Factor: 5.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95554P.D

Injection Date: 15-Jan-2018 14:52:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 19

Purge Vol: 5.000 mL

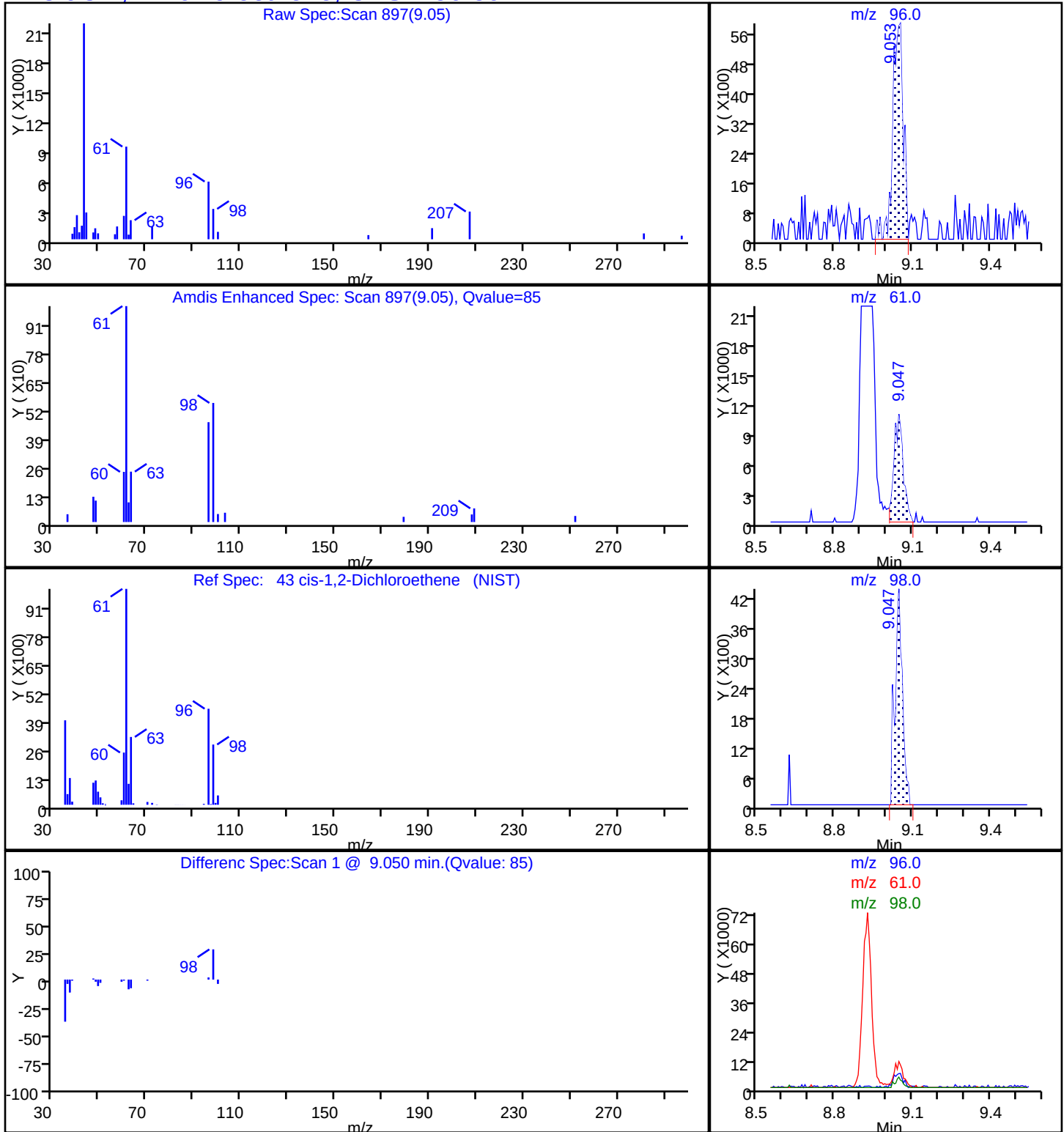
Dil. Factor: 5.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95554P.D

Injection Date: 15-Jan-2018 14:52:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 19

Purge Vol: 5.000 mL

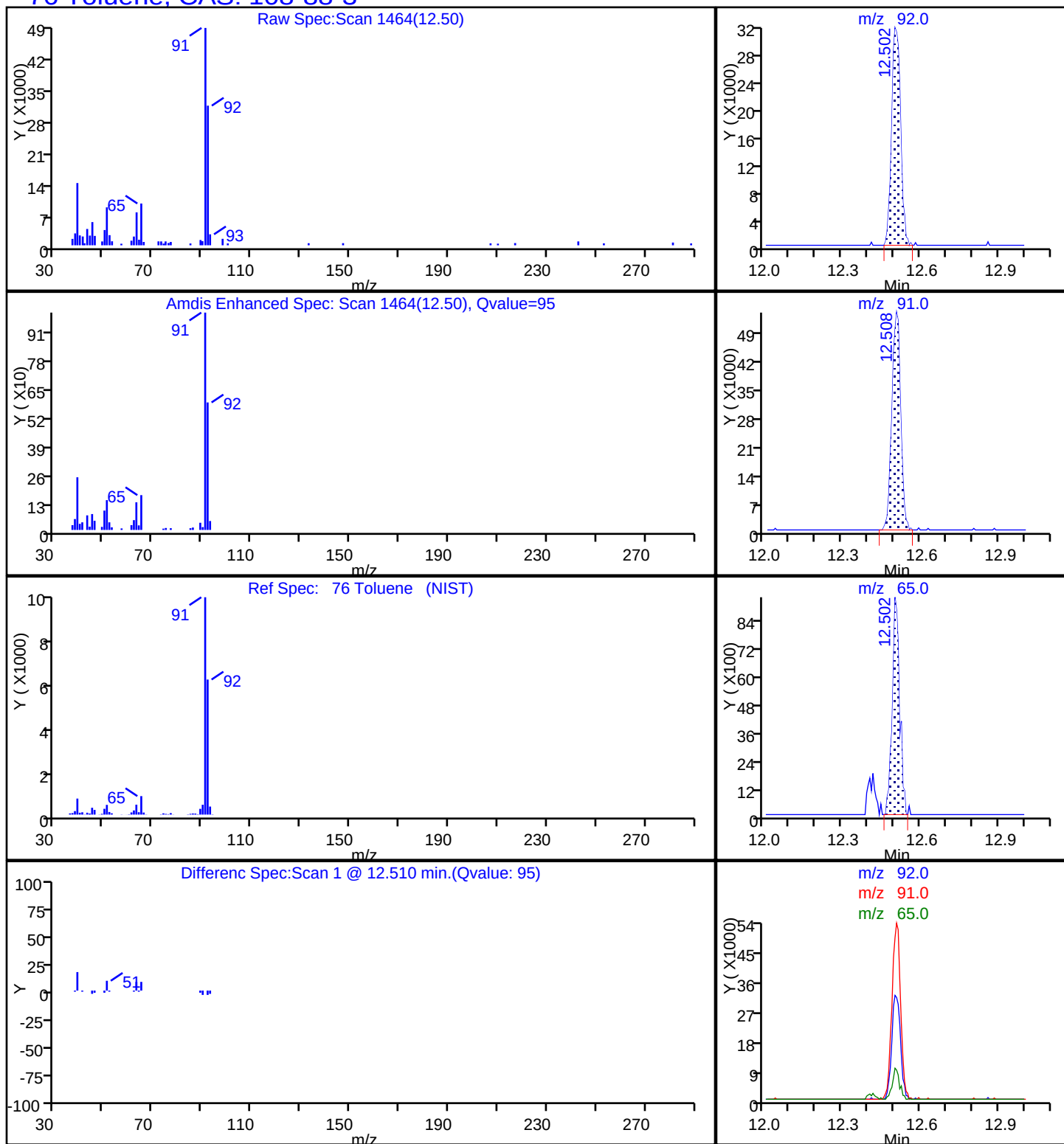
Dil. Factor: 5.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

76 Toluene, CAS: 108-88-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95554P.D

Injection Date: 15-Jan-2018 14:52:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 19

Purge Vol: 5.000 mL

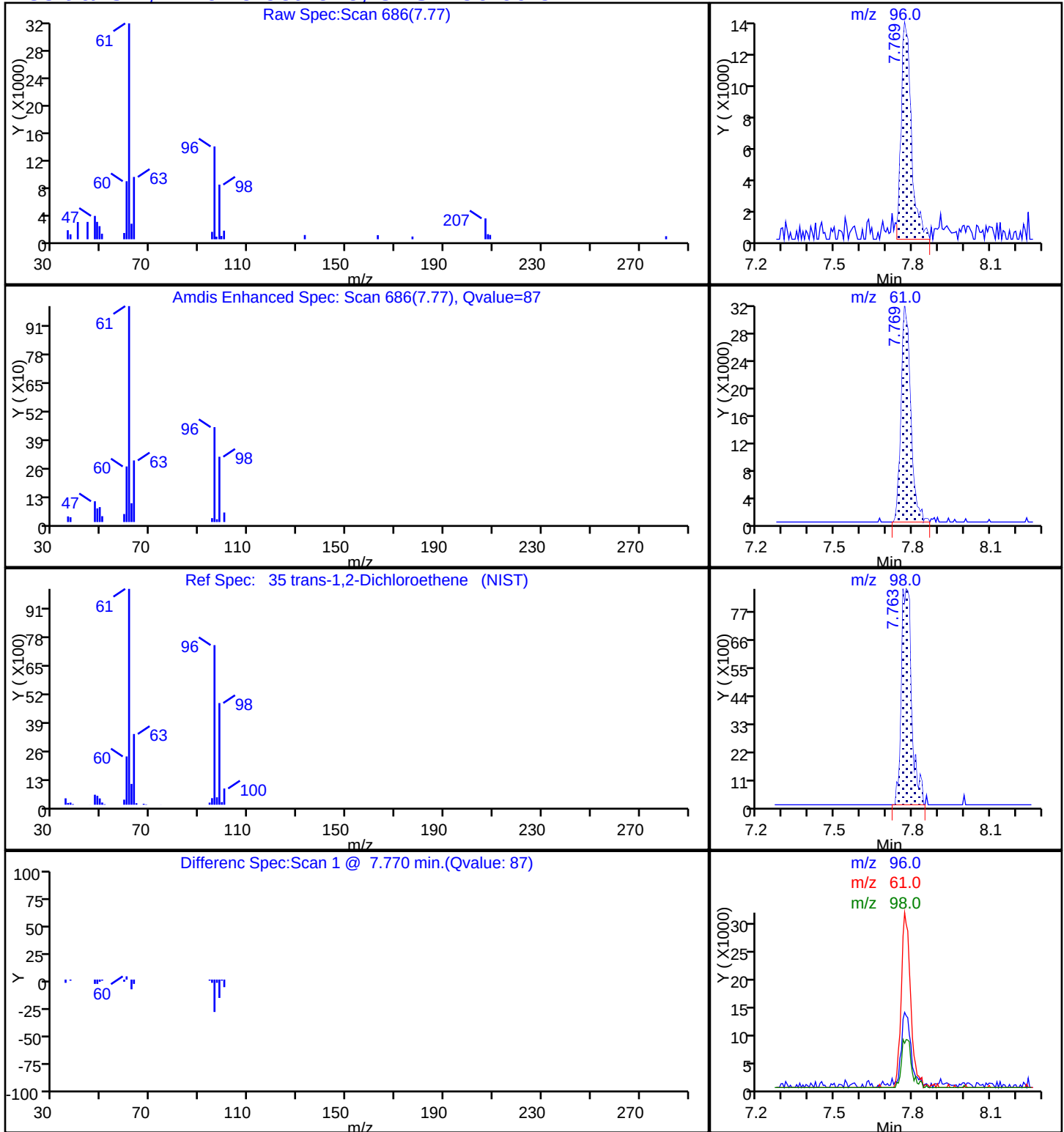
Dil. Factor: 5.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95554P.D

Injection Date: 15-Jan-2018 14:52:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 19

Purge Vol: 5.000 mL

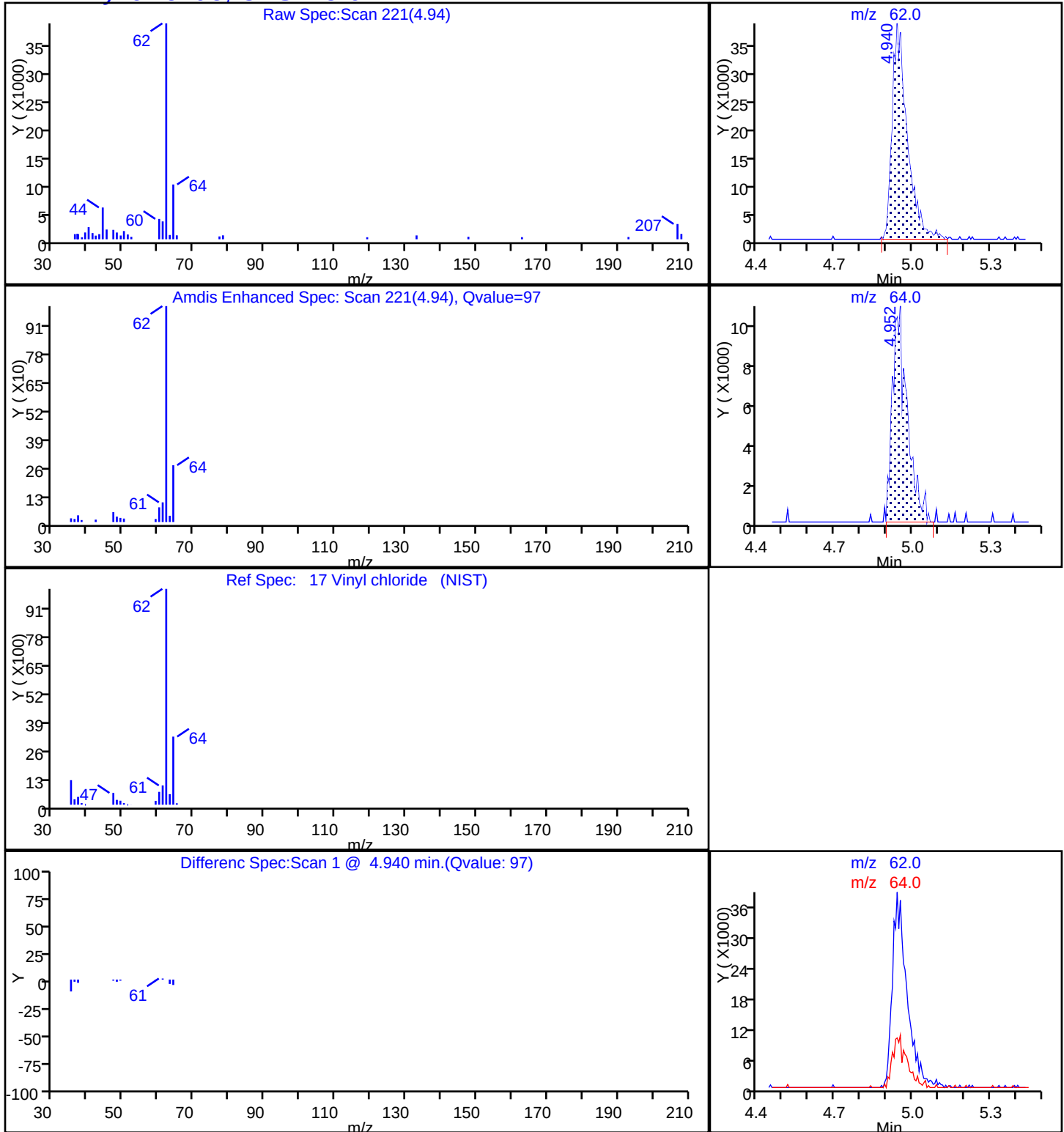
Dil. Factor: 5.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

17 Vinyl chloride, CAS: 75-01-4

TestAmerica Buffalo

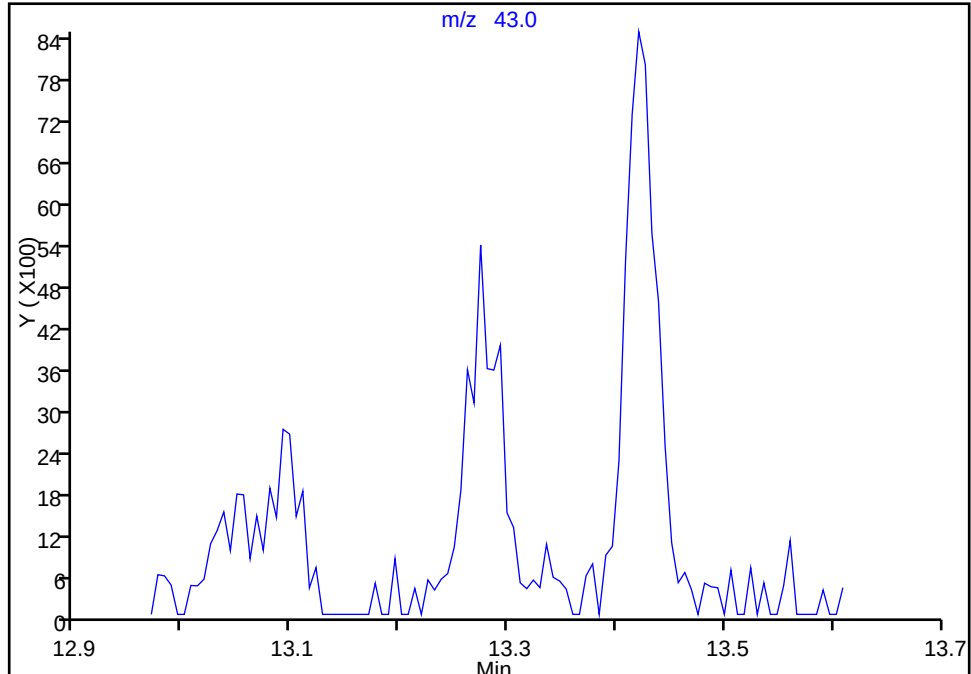
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95554P.D
Injection Date: 15-Jan-2018 14:52:30 Instrument ID: HP5973P
Lims ID: 480-129995-A-3 Lab Sample ID: 480-129995-3
Client ID: MW-4
Operator ID: RB ALS Bottle#: 100 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

83 2-Hexanone, CAS: 591-78-6

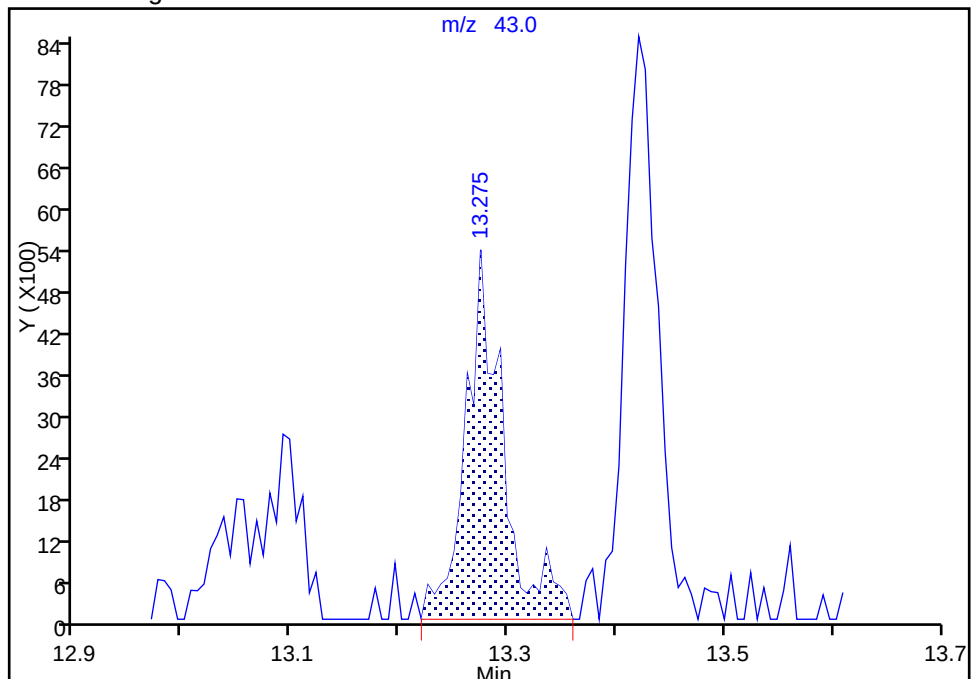
Signal: 1

Not Detected
Expected RT: 13.27

Processing Integration Results



Manual Integration Results



RT: 13.27
Area: 12583
Amount: 0.467102
Amount Units: ug/L

Reviewer: baroner, 16-Jan-2018 10:35:25
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95554P.D

Injection Date: 15-Jan-2018 14:52:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 19

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

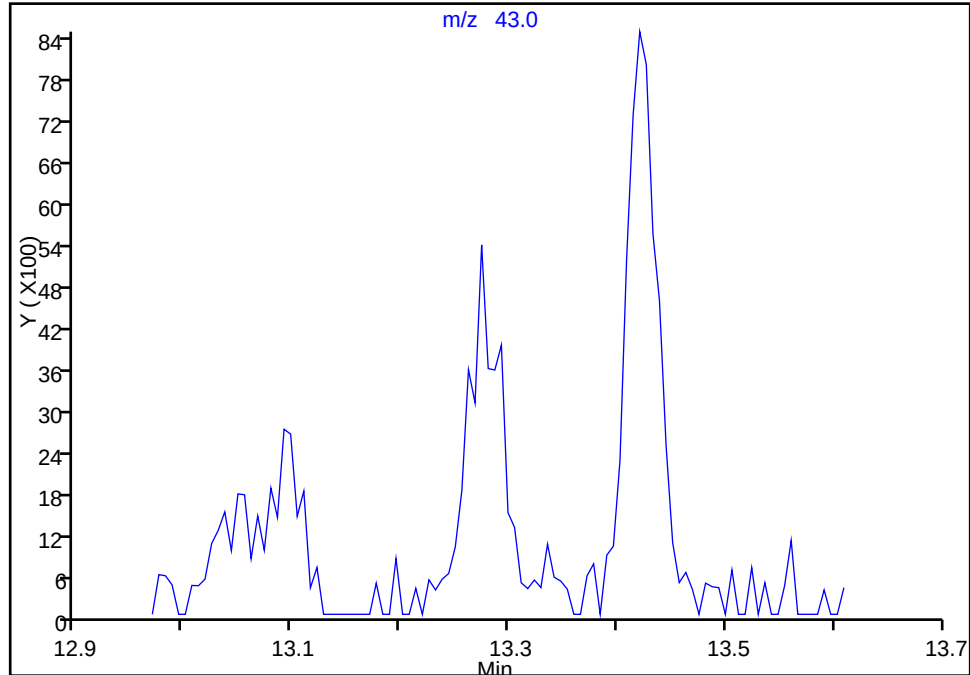
83 2-Hexanone, CAS: 591-78-6

Signal: 1

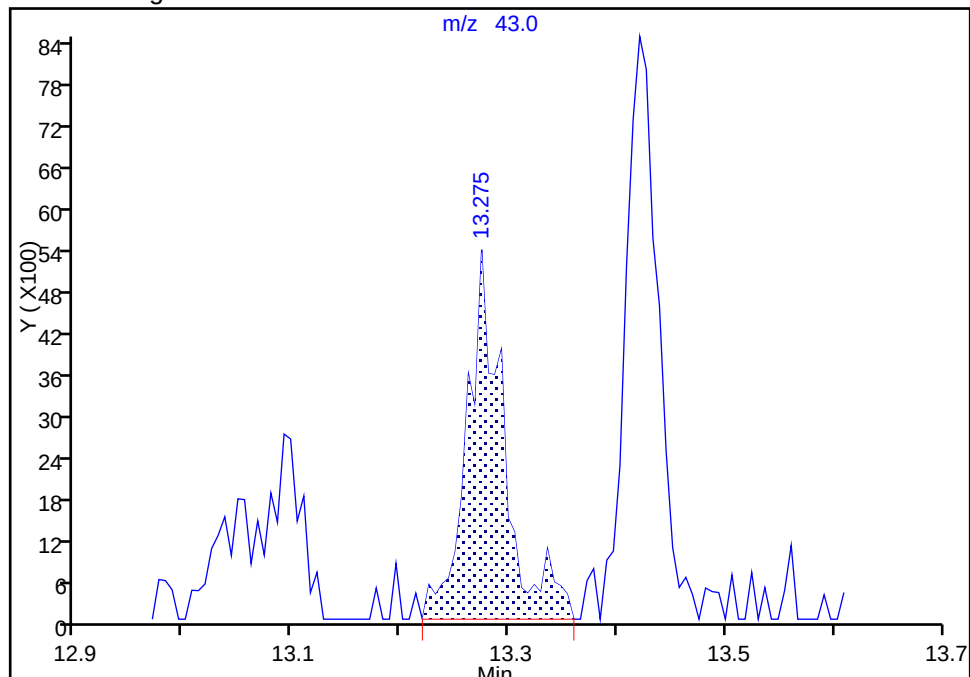
Not Detected

Expected RT: 13.27

Processing Integration Results



Manual Integration Results



RT: 13.27

Area: 12583

Amount: 0.467102

Amount Units: ug/L

Reviewer: baroner, 16-Jan-2018 10:36:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-4 DL</u>	Lab Sample ID: <u>480-129995-3 DL</u>
Matrix: <u>Water</u>	Lab File ID: <u>T3870.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/08/2018 12:25</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/16/2018 12:22</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395914</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
75-34-3	1,1-Dichloroethane	8.5	J	10	3.8
75-35-4	1,1-Dichloroethene	ND		10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
106-93-4	1,2-Dibromoethane	ND		10	7.3
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
78-93-3	2-Butanone (MEK)	270	*	100	13
591-78-6	2-Hexanone	ND		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	100		100	30
71-43-2	Benzene	4.1	J	10	4.1
75-27-4	Bromodichloromethane	ND		10	3.9
75-25-2	Bromoform	ND		10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
75-00-3	Chloroethane	490		10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	ND		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
124-48-1	Dibromochloromethane	ND		10	3.2
75-71-8	Dichlorodifluoromethane	ND		10	6.8
100-41-4	Ethylbenzene	ND		10	7.4
98-82-8	Isopropylbenzene	ND		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: MW-4 DL Lab Sample ID: 480-129995-3 DL

Matrix: Water Lab File ID: T3870.D

Analysis Method: 8260C Date Collected: 01/08/2018 12:25

Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 12:22

Soil Aliquot Vol: _____ Dilution Factor: 10

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

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

Analysis Batch No.: 395914 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		25	13
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	15		10	4.4
100-42-5	Styrene	ND		10	7.3
127-18-4	Tetrachloroethene	ND		10	3.6
108-88-3	Toluene	16		10	5.1
156-60-5	trans-1,2-Dichloroethene	16		10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	3.7
79-01-6	Trichloroethene	ND		10	4.6
75-69-4	Trichlorofluoromethane	ND		10	8.8
75-01-4	Vinyl chloride	37		10	9.0
1330-20-7	Xylenes, Total	ND		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3870.D
 Lims ID: 480-129995-B-3
 Client ID: MW-4
 Sample Type: Client
 Inject. Date: 16-Jan-2018 12:22:30 ALS Bottle#: 12 Worklist Smp#: 24
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-129995-b-3
 Misc. Info.: 480-0068593-024
 Operator ID: RR Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 16:18:43 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK031

First Level Reviewer: nowakk

Date: 16-Jan-2018 16:18:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.869	4.869	0.000	98	146717	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	88	582230	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	96	323539	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.403	4.403	0.000	92	183243	24.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.652	4.652	0.000	0	230274	24.6	
\$ 6 Toluene-d8 (Surr)	98	6.040	6.040	0.000	94	650741	24.7	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.001	88	212386	25.0	
11 Dichlorodifluoromethane	85		1.242				ND	
13 Chloromethane	50		1.408				ND	
14 Vinyl chloride	62	1.481	1.491	-0.010	98	40964	3.69	
15 Bromomethane	94		1.792				ND	
16 Chloroethane	64	1.843	1.854	-0.011	98	302477	49.5	
17 Trichlorofluoromethane	101		2.061				ND	
22 1,1-Dichloroethene	96		2.517				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.527				ND	
23 Acetone	43	2.620	2.631	-0.011	98	27775	10.3	
25 Carbon disulfide	76		2.704				ND	
28 Methyl acetate	43		2.900				ND	
30 Methylene Chloride	84	2.983	2.994	-0.011	93	19563	1.49	
33 Methyl tert-butyl ether	73		3.170				ND	
32 trans-1,2-Dichloroethene	96	3.180	3.191	-0.011	93	12720	1.62	
36 1,1-Dichloroethane	63	3.553	3.553	0.000	96	12891	0.8466	
43 cis-1,2-Dichloroethene	96	4.020	4.020	0.000	67	5099	0.5600	
44 2-Butanone (MEK)	43	4.051	4.051	0.000	98	96886	27.1	
50 Chloroform	83		4.279				ND	
51 1,1,1-Trichloroethane	97		4.372				ND	
52 Cyclohexane	56		4.382				ND	
53 Carbon tetrachloride	117		4.486				ND	
55 Benzene	78	4.652	4.662	-0.010	42	11771	0.4144	
57 1,2-Dichloroethane	62	4.714	4.714	0.000	1	1390	0.1040	
60 Trichloroethene	95		5.139				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.232				ND	
63 1,2-Dichloropropane	63		5.336				ND	
67 Dichlorobromomethane	83		5.553				ND	
71 cis-1,3-Dichloropropene	75		5.875				ND	
72 4-Methyl-2-pentanone (MIBK)	43	5.978	5.978	0.000	52	2587	0.3226	
73 Toluene	92	6.092	6.092	0.000	96	29725	1.56	
75 trans-1,3-Dichloropropene	75		6.310				ND	
78 1,1,2-Trichloroethane	83		6.455				ND	
79 Tetrachloroethene	166		6.496				ND	
81 2-Hexanone	43		6.621				ND	
82 Chlorodibromomethane	129		6.755				ND	
83 Ethylene Dibromide	107		6.838				ND	
86 Chlorobenzene	112		7.191				ND	
88 Ethylbenzene	91		7.253				ND	
90 m-Xylene & p-Xylene	106		7.346				ND	
91 o-Xylene	106	7.657	7.667	-0.010	1	1328	0.0911	
92 Styrene	104		7.688				ND	
93 Bromoform	173		7.885				ND	
95 Isopropylbenzene	105		7.947				ND	
98 1,1,2,2-Tetrachloroethane	83		8.258				ND	
110 1,3-Dichlorobenzene	146		8.984				ND	
113 1,4-Dichlorobenzene	146		9.056				ND	
116 1,2-Dichlorobenzene	146		9.367				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.041				ND	
119 1,2,4-Trichlorobenzene	180		10.693				ND	
S 126 Xylenes, Total	1				0		0.0911	

Reagents:

T_8260_IS_00184	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_Surr_00165	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3870.D

Injection Date: 16-Jan-2018 12:22:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: 480-129995-B-3

Lab Sample ID: 480-129995-3

Worklist Smp#: 24

Client ID: MW-4

Purge Vol: 5.000 mL

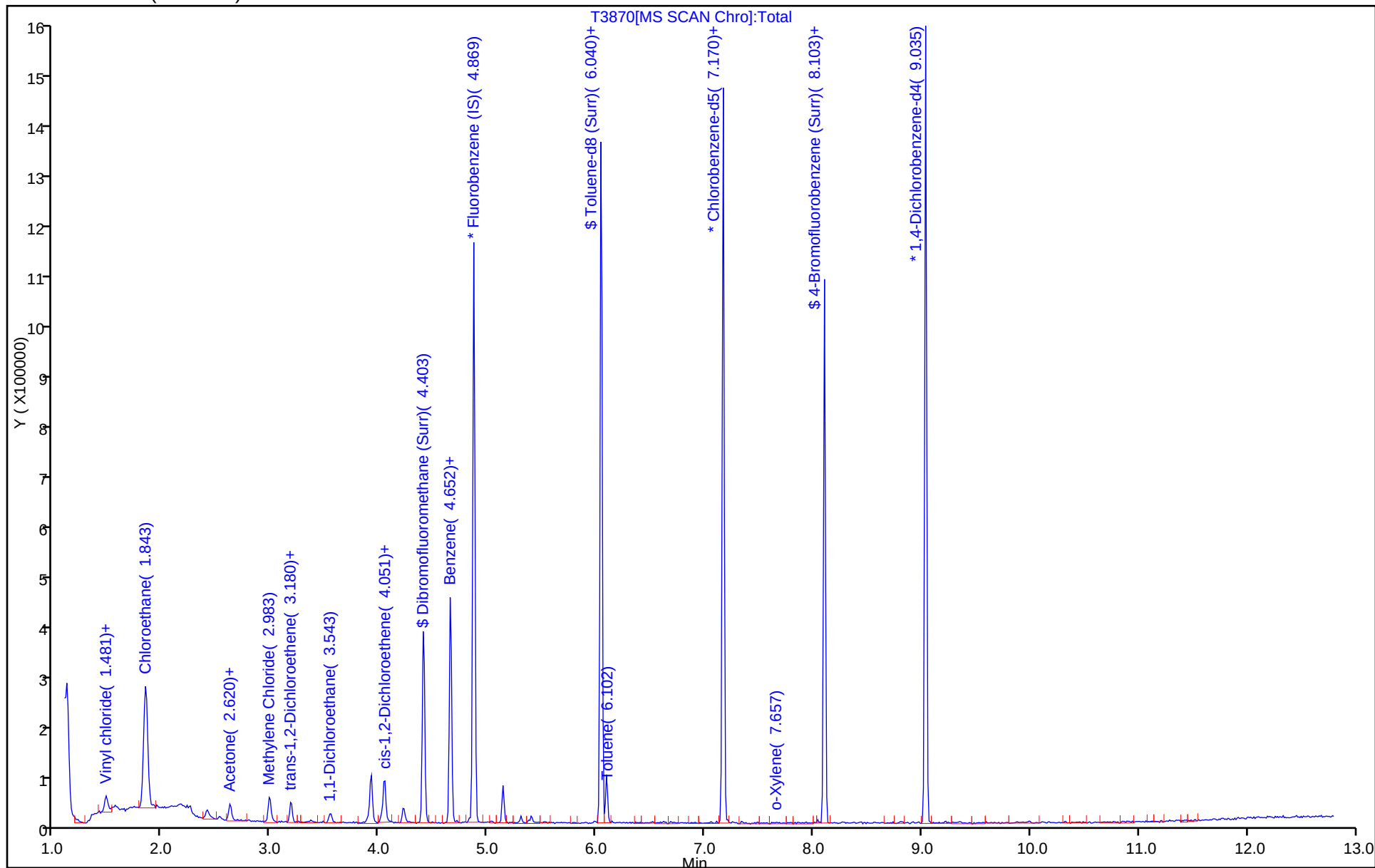
Dil. Factor: 10.0000

ALS Bottle#: 12

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3870.D

Injection Date: 16-Jan-2018 12:22:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RR

ALS Bottle#: 12

Worklist Smp#: 24

Purge Vol: 5.000 mL

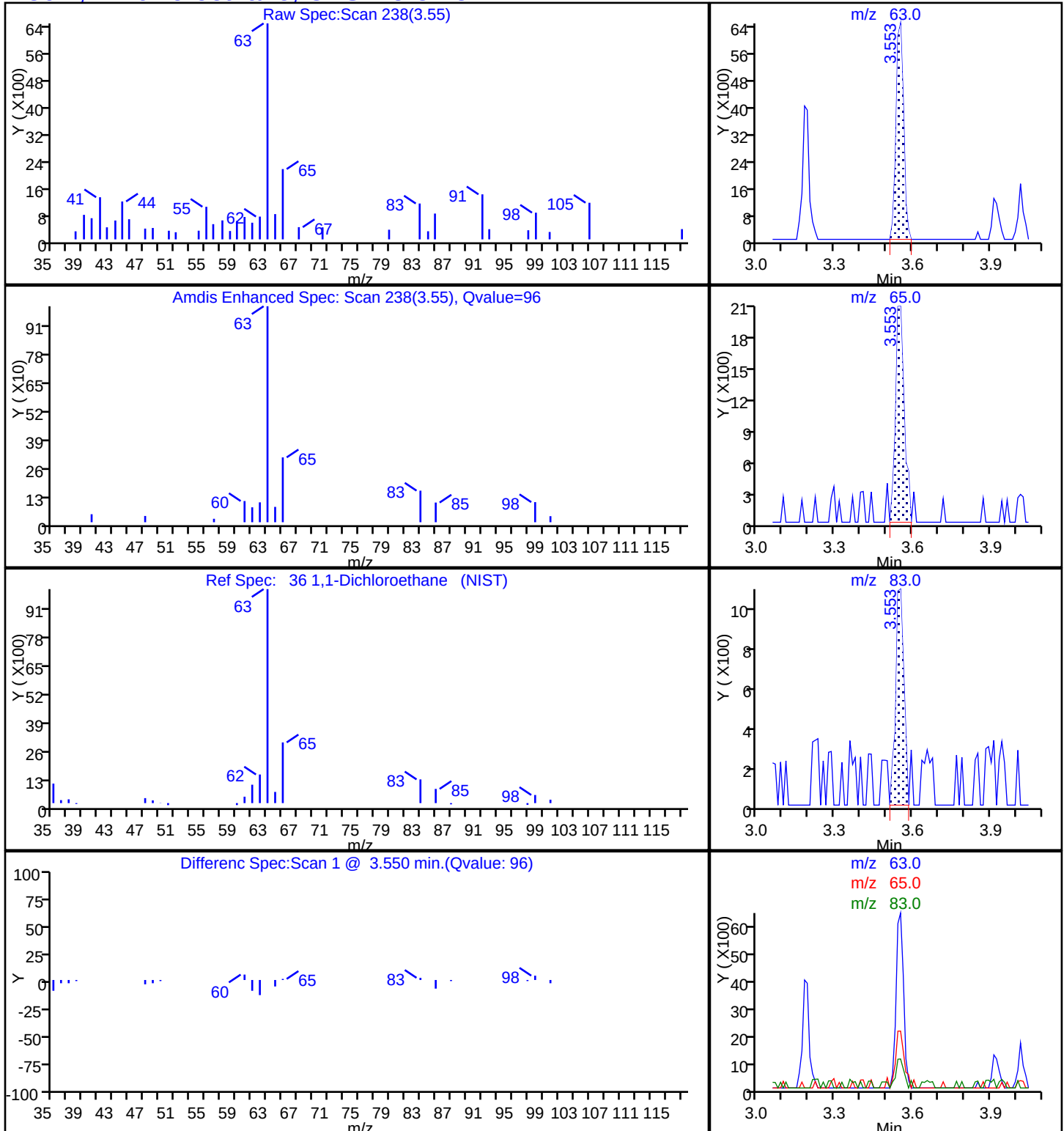
Dil. Factor: 10.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3870.D

Injection Date: 16-Jan-2018 12:22:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RR

ALS Bottle#: 12

Worklist Smp#: 24

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

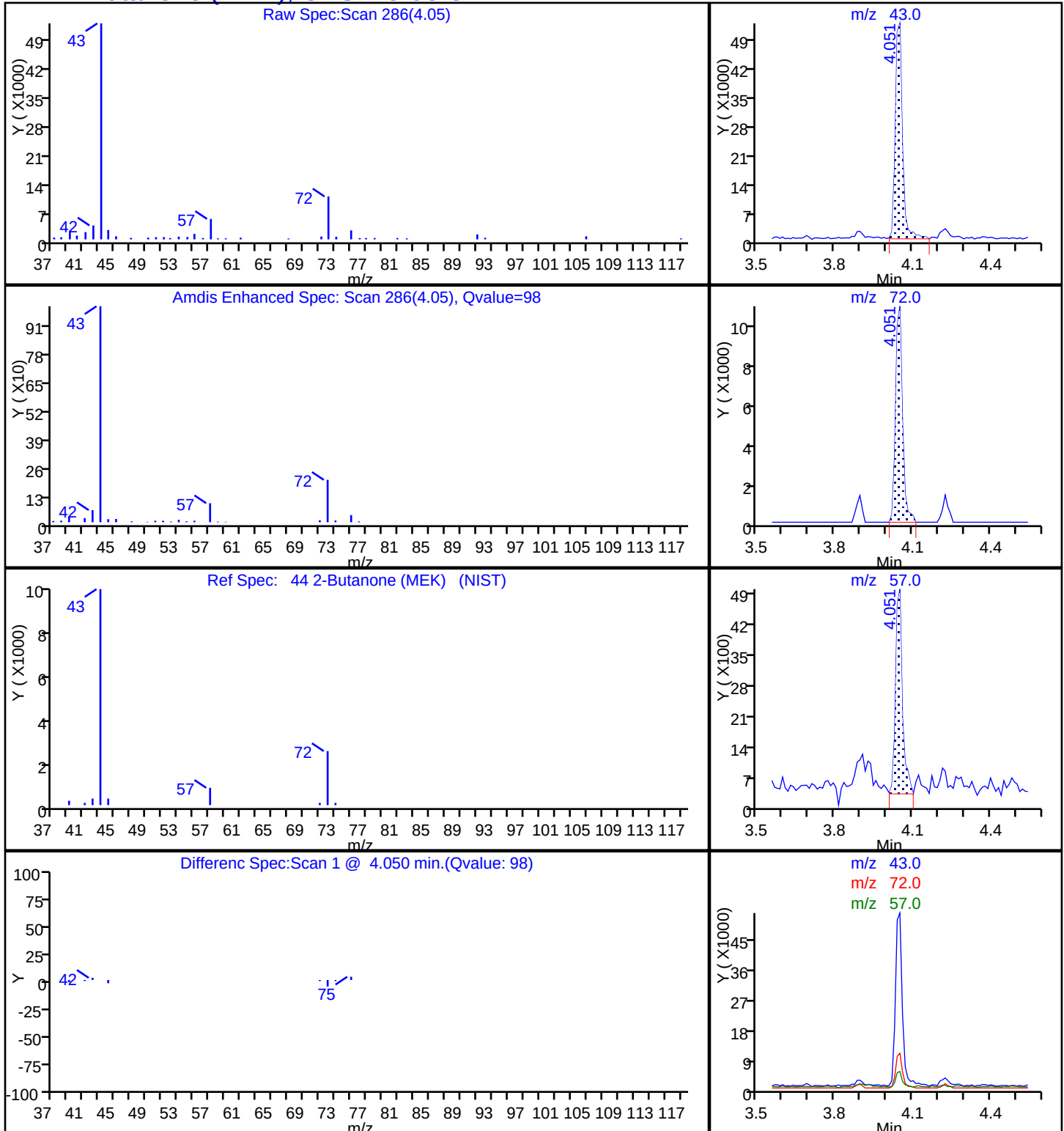
Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3870.D

Injection Date: 16-Jan-2018 12:22:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RR

ALS Bottle#: 12

Worklist Smp#: 24

Purge Vol: 5.000 mL

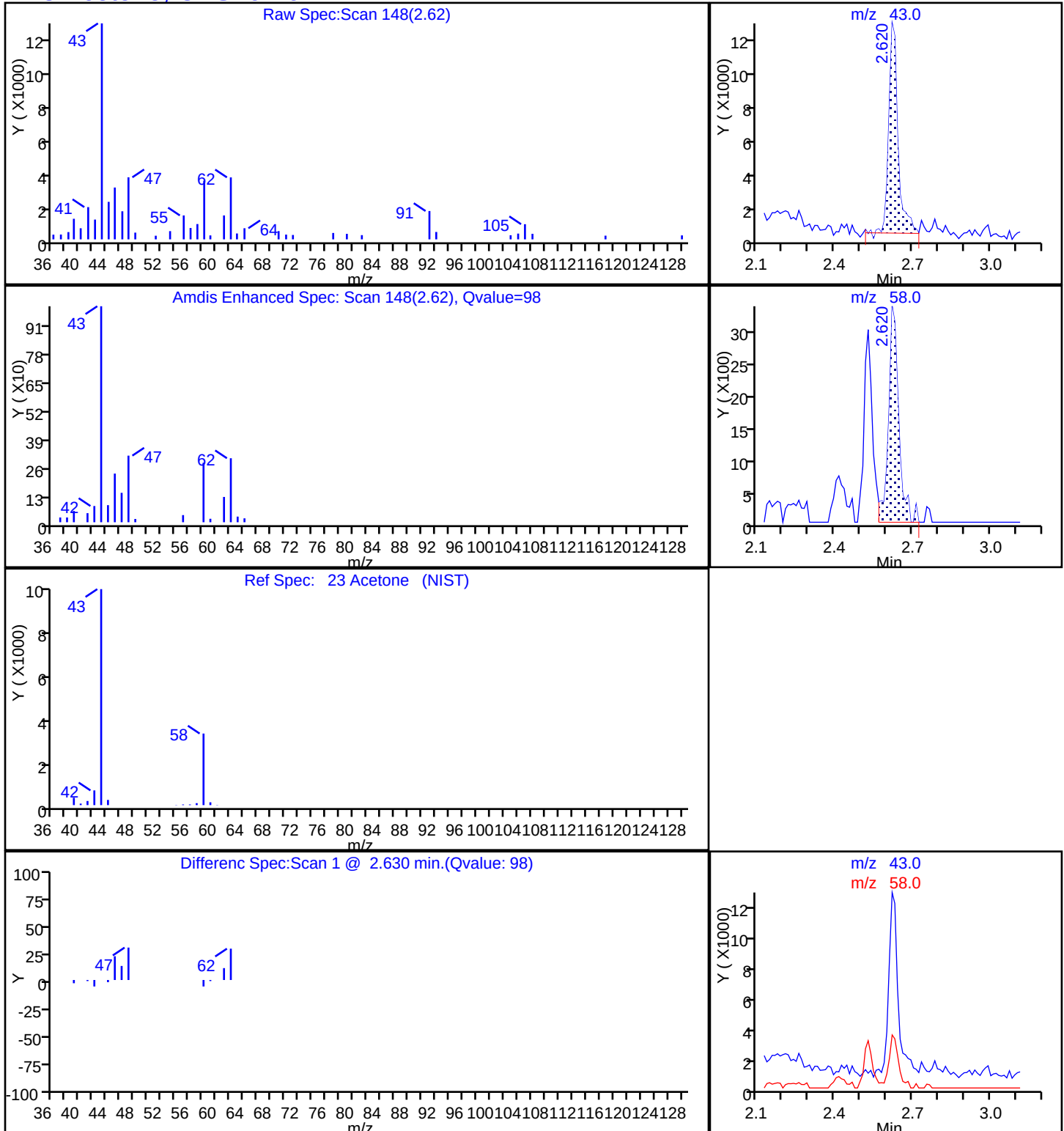
Dil. Factor: 10.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180116-68593.b\\T3870.D

Injection Date: 16-Jan-2018 12:22:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RR

ALS Bottle#: 12

Worklist Smp#: 24

Purge Vol: 5.000 mL

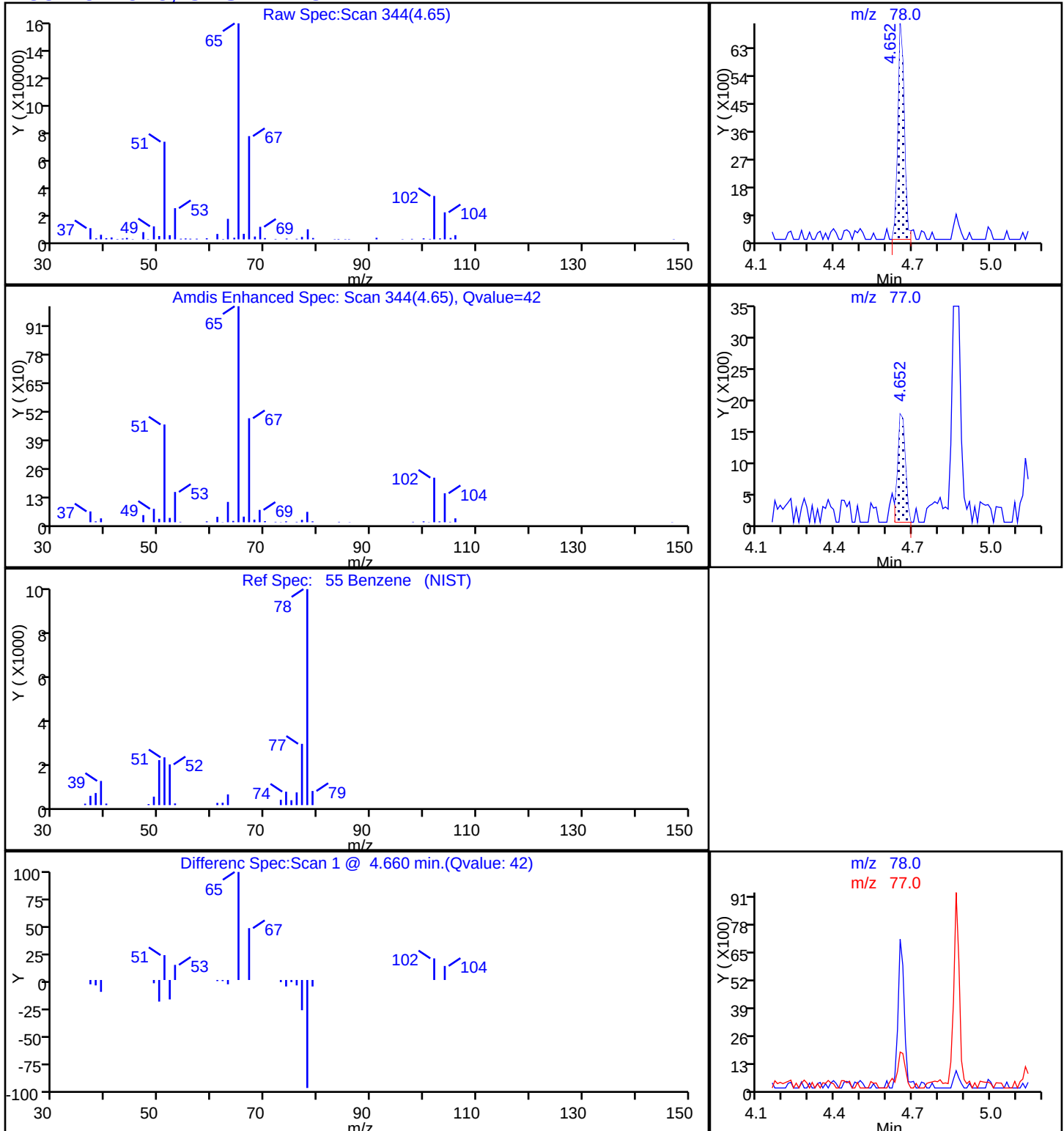
Dil. Factor: 10.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

55 Benzene, CAS: 71-43-2

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3870.D

Injection Date: 16-Jan-2018 12:22:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RR

ALS Bottle#: 12

Worklist Smp#: 24

Purge Vol: 5.000 mL

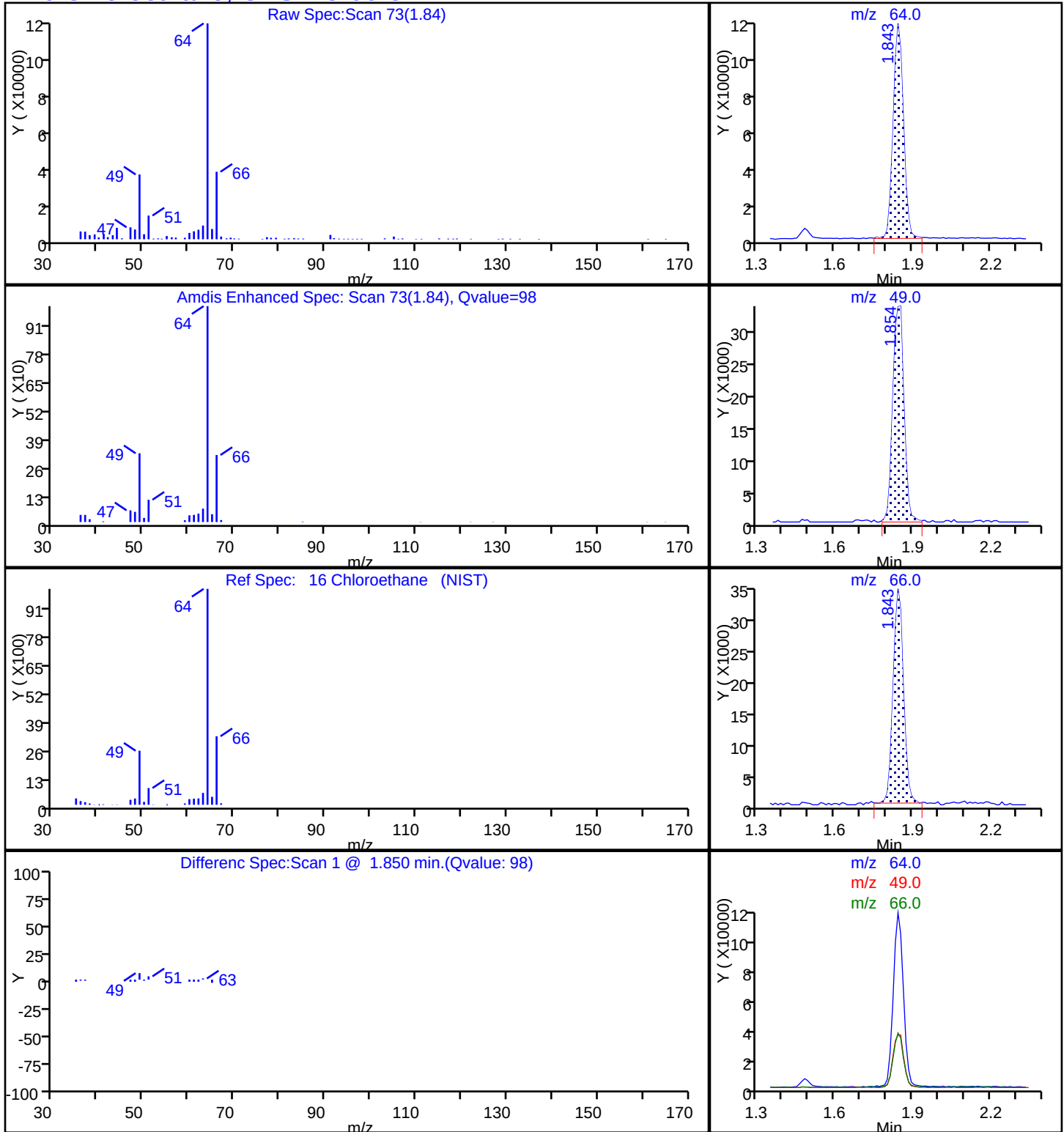
Dil. Factor: 10.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3870.D

Injection Date: 16-Jan-2018 12:22:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RR

ALS Bottle#: 12

Worklist Smp#: 24

Purge Vol: 5.000 mL

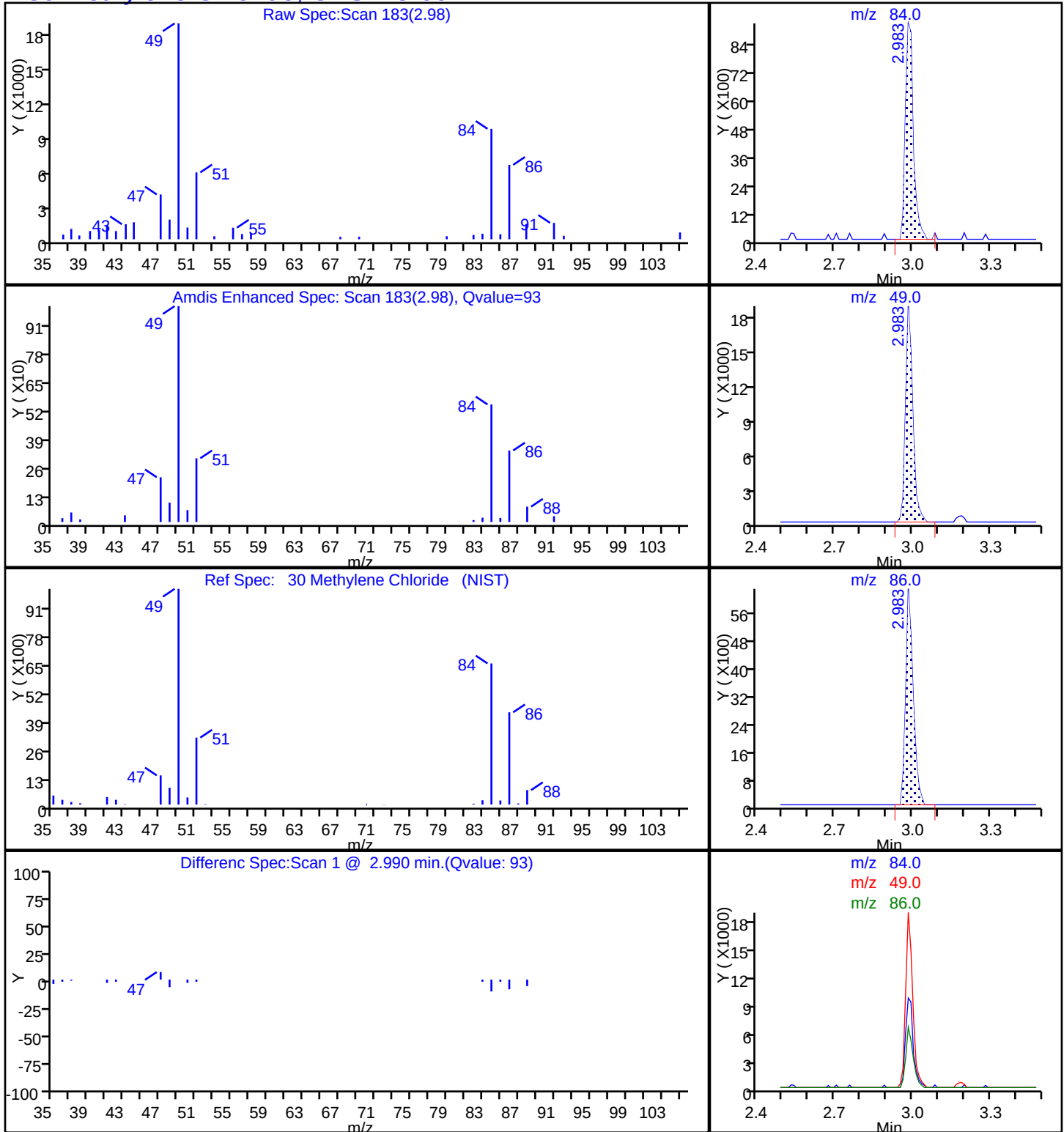
Dil. Factor: 10.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3870.D

Injection Date: 16-Jan-2018 12:22:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RR

ALS Bottle#: 12

Worklist Smp#: 24

Purge Vol: 5.000 mL

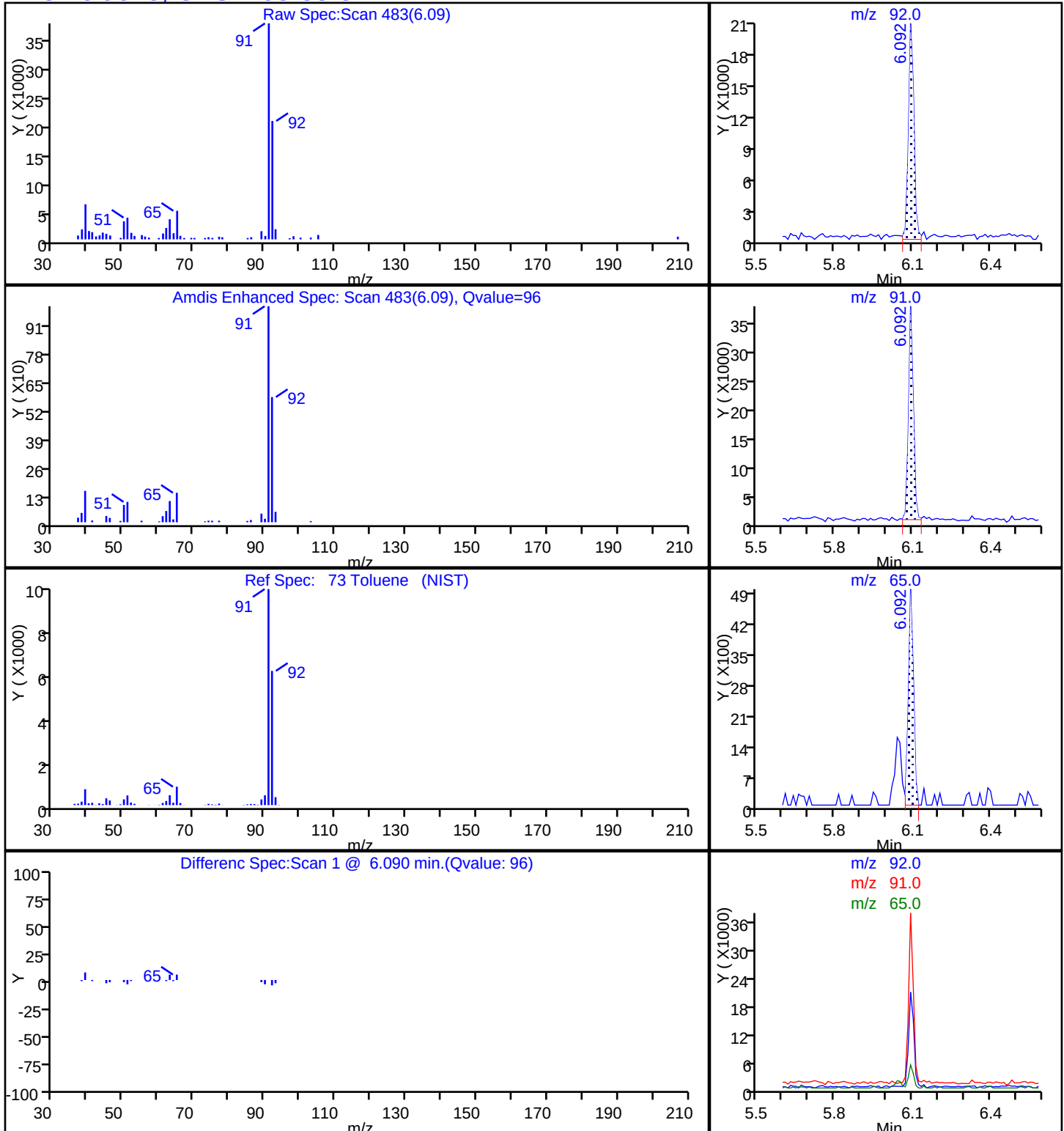
Dil. Factor: 10.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

73 Toluene, CAS: 108-88-3

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180116-68593.b\\T3870.D

Injection Date: 16-Jan-2018 12:22:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RR

ALS Bottle#: 12

Worklist Smp#: 24

Purge Vol: 5.000 mL

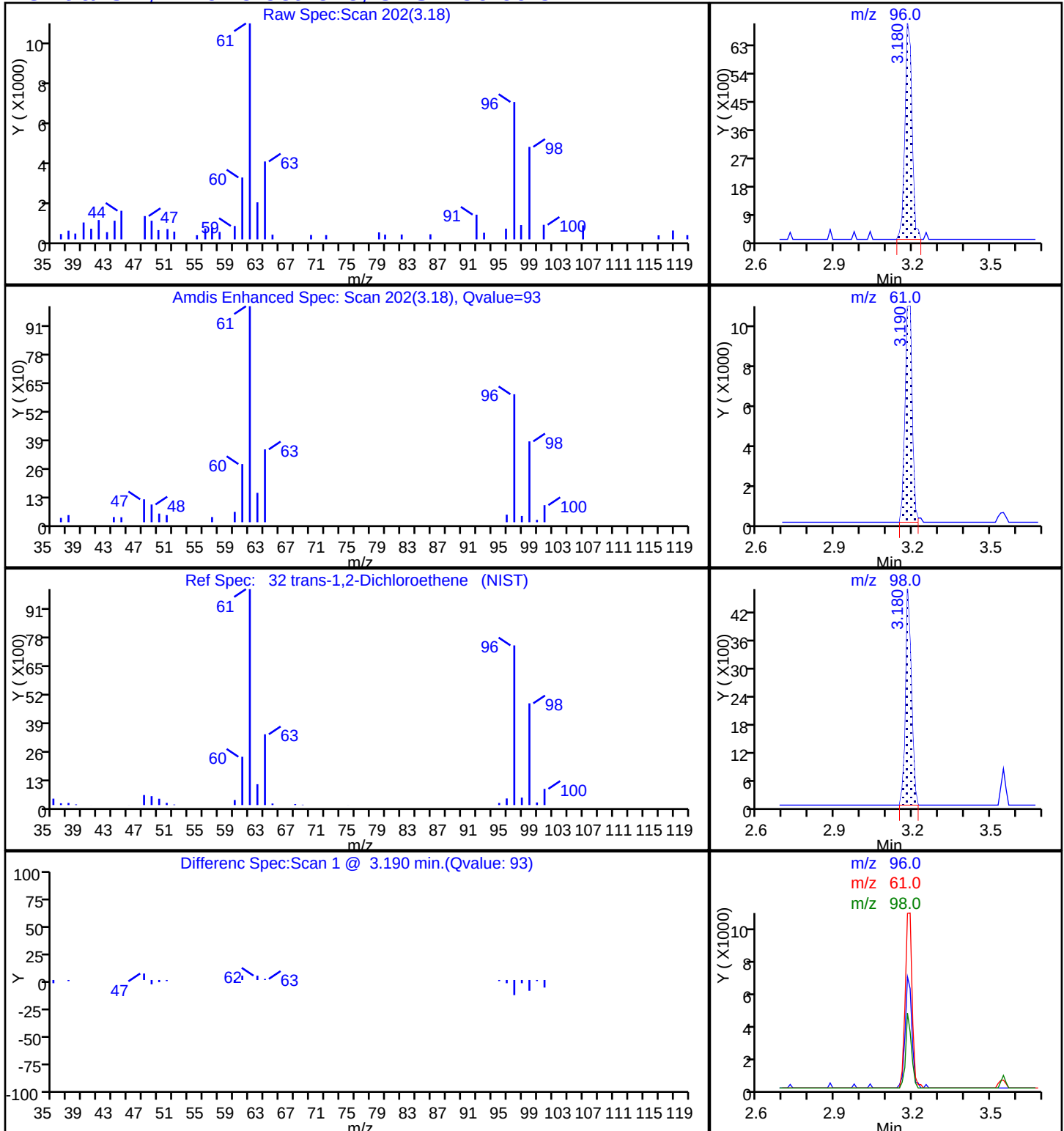
Dil. Factor: 10.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3870.D

Injection Date: 16-Jan-2018 12:22:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-3

Lab Sample ID: 480-129995-3

Client ID: MW-4

Operator ID: RR

ALS Bottle#: 12

Worklist Smp#: 24

Purge Vol: 5.000 mL

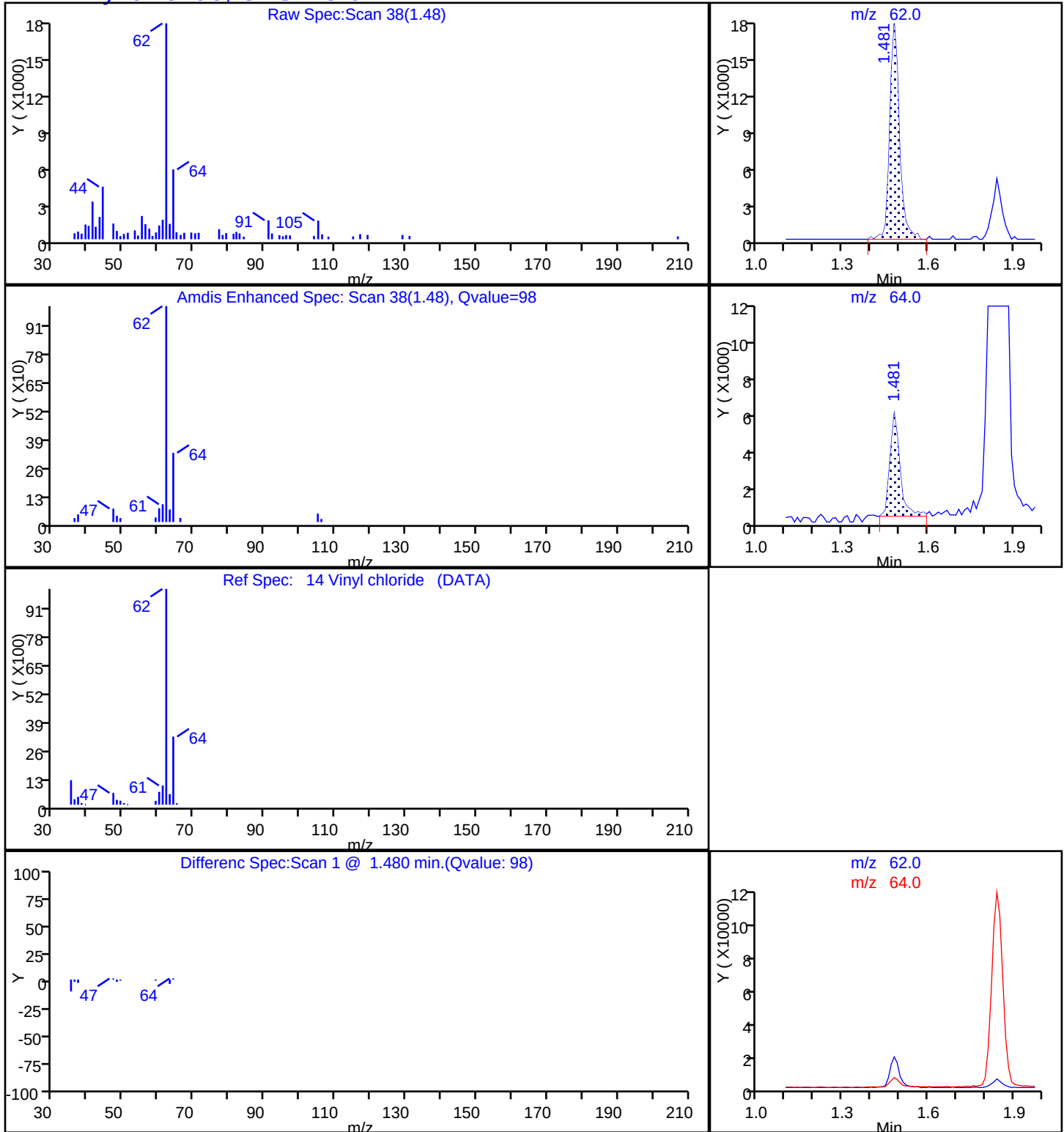
Dil. Factor: 10.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-6</u>	Lab Sample ID: <u>480-129995-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>95555P.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/08/2018 09:35</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/15/2018 15:20</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395765</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
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)	5.2	J	10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	5.4	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: MW-6 Lab Sample ID: 480-129995-4
 Matrix: Water Lab File ID: 95555P.D
 Analysis Method: 8260C Date Collected: 01/08/2018 09:35
 Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 15:20
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 395765 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
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
2037-26-5	Toluene-d8 (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	108		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95555P.D
 Lims ID: 480-129995-A-4
 Client ID: MW-6
 Sample Type: Client
 Inject. Date: 15-Jan-2018 15:20:30 ALS Bottle#: 100 Worklist Smp#: 20
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-129995-a-4
 Misc. Info.: 480-0068571-020
 Operator ID: RB Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 10:36:15 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: baroner

Date: 16-Jan-2018 10:37:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.428	10.421	0.007	97	169869	25.0	
* 2 Chlorobenzene-d5	82	14.376	14.376	0.000	92	414046	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.332	17.332	0.000	94	485802	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.625	9.630	0.000	92	251081	27.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.081	10.075	0.006	0	153220	25.2	
\$ 5 Toluene-d8 (Surr)	98	12.417	12.417	0.000	95	910551	23.6	
\$ 6 4-Bromofluorobenzene (Surr	174	15.872	15.872	0.000	92	321934	23.5	
10 Dichlorodifluoromethane	85		4.326				ND	
11 Chloromethane	50		4.745				ND	
17 Vinyl chloride	62	4.934	4.970	-0.012	22	4378	0.2635	
12 Bromomethane	94		5.585				ND	
13 Chloroethane	64		5.713				ND	
14 Trichlorofluoromethane	101		6.065				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.735				ND	
25 1,1-Dichloroethene	96		6.820				ND	
24 Acetone	43	6.887	6.887	0.006	96	54793	5.36	
27 Carbon disulfide	76		7.227				ND	
30 Methyl acetate	43		7.246				ND	
31 Methylene Chloride	84		7.471				ND	
32 Methyl tert-butyl ether	73		7.684				ND	
35 trans-1,2-Dichloroethene	96		7.769				ND	
40 1,1-Dichloroethane	63		8.335				ND	
44 2-Butanone (MEK)	43	9.016	9.010	0.006	94	84171	5.22	
43 cis-1,2-Dichloroethene	96	9.053	9.053	0.013	37	5783	0.4339	
49 Chloroform	83		9.411				ND	
52 1,1,1-Trichloroethane	97		9.637				ND	
54 Cyclohexane	56		9.691				ND	
55 Carbon tetrachloride	117		9.837				ND	
57 Benzene	78		10.117				ND	
60 1,2-Dichloroethane	62		10.178				ND	
62 Trichloroethene	95		10.878				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		11.072				ND	
63 1,2-Dichloropropane	63		11.218				ND	
70 Dichlorobromomethane	83		11.553				ND	
73 cis-1,3-Dichloropropene	75		12.088				ND	
75 4-Methyl-2-pentanone (MIBK)	43		12.192				ND	
76 Toluene	92		12.508				ND	
78 trans-1,3-Dichloropropene	75		12.800				ND	
79 1,1,2-Trichloroethane	83		13.086				ND	
80 Tetrachloroethene	166		13.232				ND	
83 2-Hexanone	43		13.275				ND	
81 Chlorodibromomethane	129		13.664				ND	
85 Ethylene Dibromide	107		13.859				ND	
87 Chlorobenzene	112		14.418				ND	
89 Ethylbenzene	91		14.461				ND	
90 m-Xylene & p-Xylene	106		14.595				ND	
93 o-Xylene	106		15.148				ND	
94 Styrene	104		15.173				ND	
92 Bromoform	173		15.562				ND	
95 Isopropylbenzene	105		15.574				ND	
97 1,1,2,2-Tetrachloroethane	83		16.043				ND	
110 1,3-Dichlorobenzene	146		17.259				ND	
111 1,4-Dichlorobenzene	146		17.363				ND	
116 1,2-Dichlorobenzene	146		17.862				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.914				ND	
119 1,2,4-Trichlorobenzene	180		20.015				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

P 8260 IS_00280

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00261

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95555P.D

Injection Date: 15-Jan-2018 15:20:30

Instrument ID: HP5973P

Operator ID: RB

Lims ID: 480-129995-A-4

Lab Sample ID: 480-129995-4

Worklist Smp#: 20

Client ID: MW-6

Purge Vol: 5.000 mL

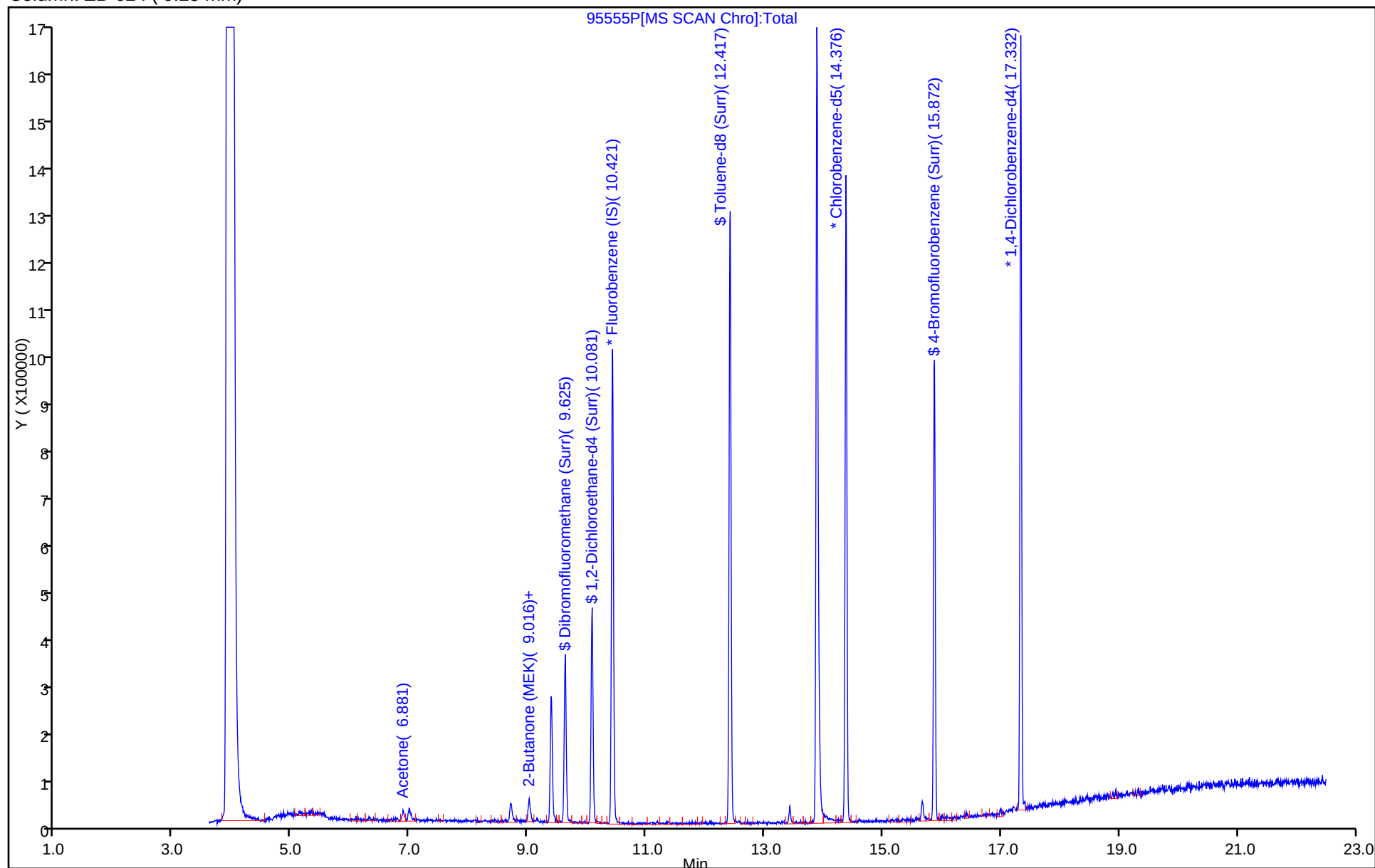
Dil. Factor: 1.0000

ALS Bottle#: 100

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95555P.D

Injection Date: 15-Jan-2018 15:20:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-4

Lab Sample ID: 480-129995-4

Client ID: MW-6

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 20

Purge Vol: 5.000 mL

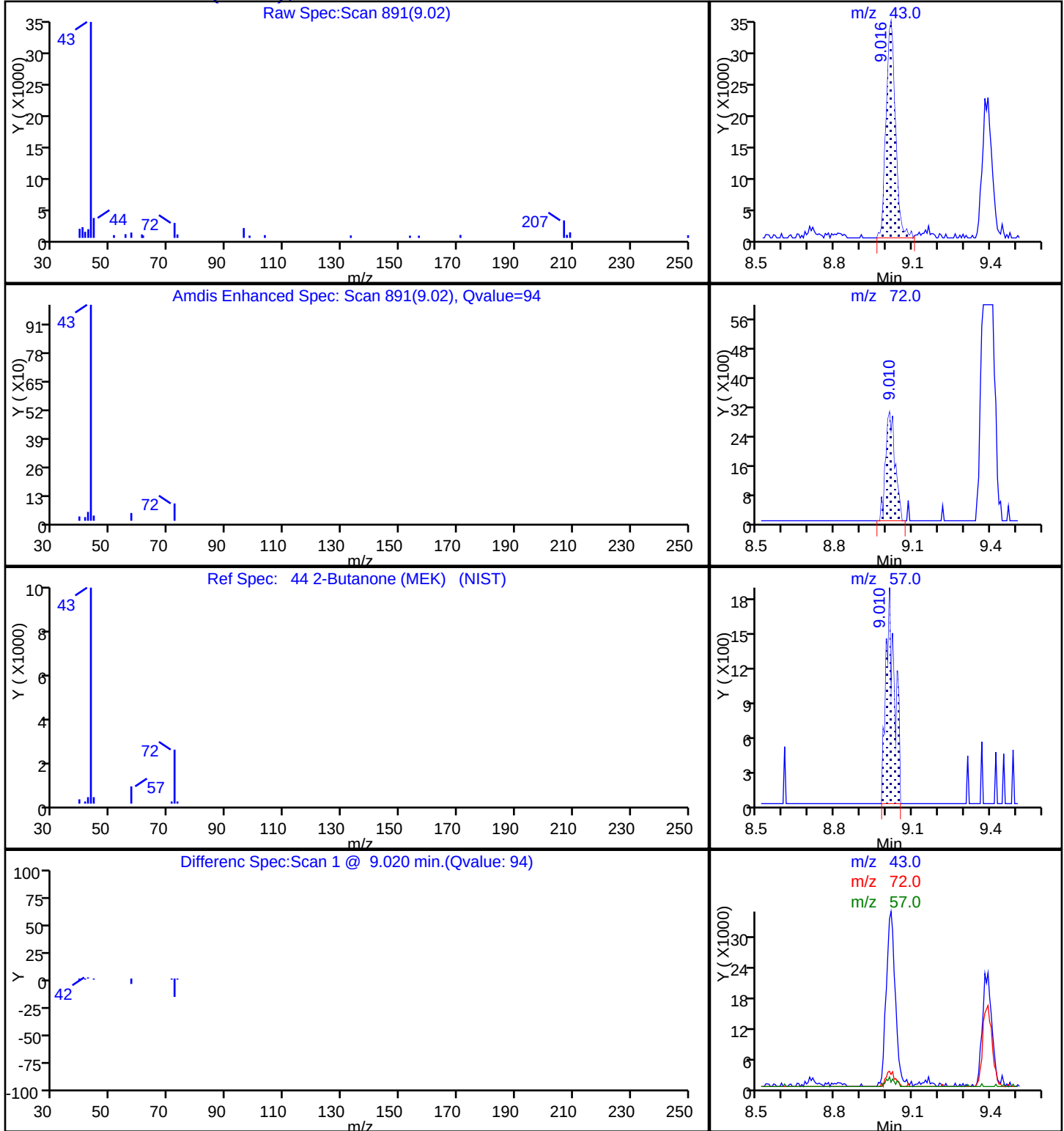
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95555P.D

Injection Date: 15-Jan-2018 15:20:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-4

Lab Sample ID: 480-129995-4

Client ID: MW-6

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 20

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

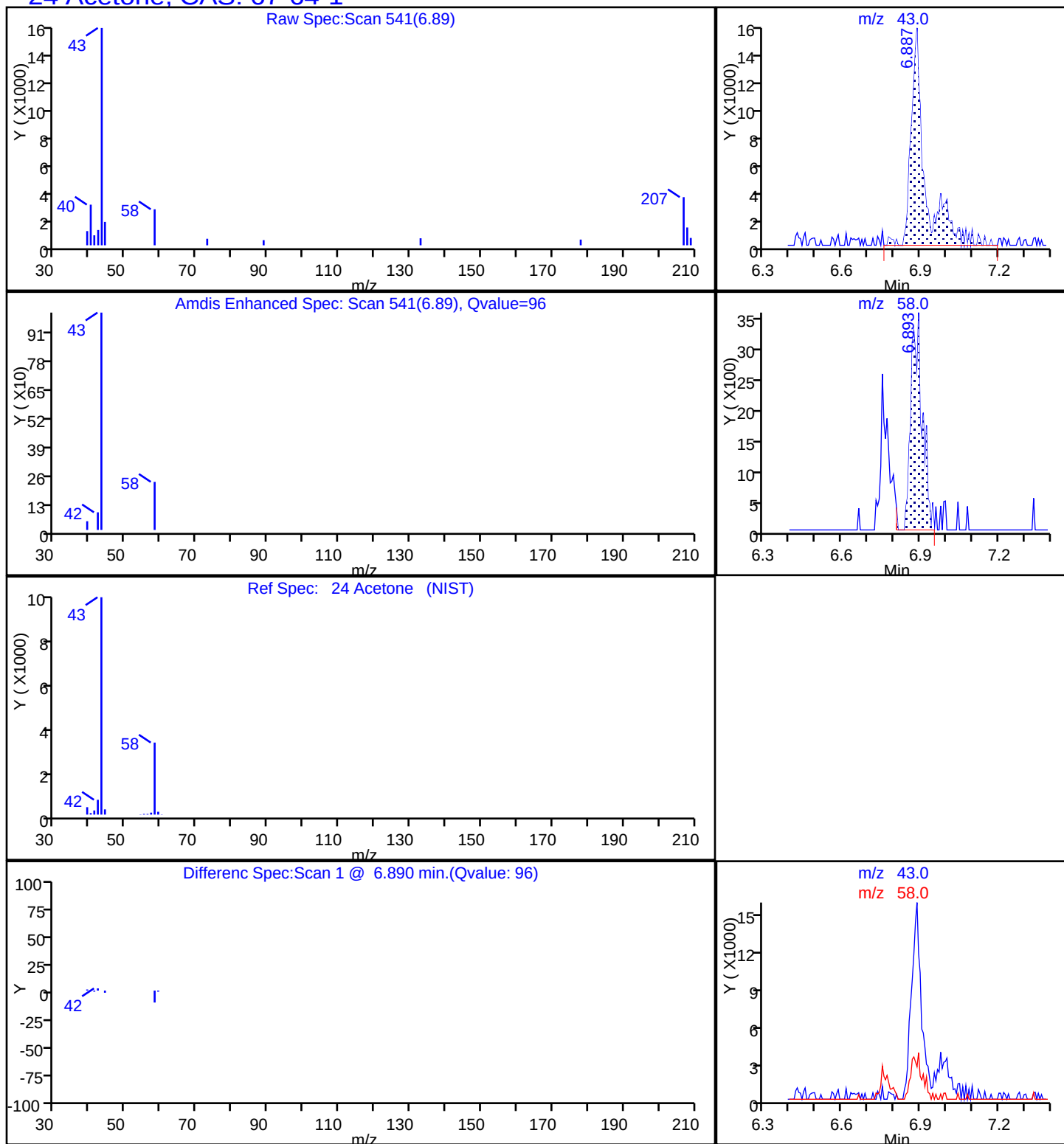
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

24 Acetone, CAS: 67-64-1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-10</u>	Lab Sample ID: <u>480-129995-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>95556P.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/08/2018 11:05</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/15/2018 15:47</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395765</u>	Units: <u>ug/L</u>

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: MW-10 Lab Sample ID: 480-129995-5

Matrix: Water Lab File ID: 95556P.D

Analysis Method: 8260C Date Collected: 01/08/2018 11:05

Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 15:47

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 395765 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
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	111		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95556P.D
 Lims ID: 480-129995-A-5
 Client ID: MW-10
 Sample Type: Client
 Inject. Date: 15-Jan-2018 15:47:30 ALS Bottle#: 100 Worklist Smp#: 21
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-129995-a-5
 Misc. Info.: 480-0068571-021
 Operator ID: RB Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 10:37:43 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: baroner

Date: 16-Jan-2018 10:37:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.421	10.421	0.000	97	165555	25.0	
* 2 Chlorobenzene-d5	82	14.376	14.376	0.000	92	401969	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.332	17.332	0.000	94	476722	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.624	9.630	0.000	93	252262	27.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.075	10.075	0.000	0	150464	25.4	
\$ 5 Toluene-d8 (Surr)	98	12.417	12.417	0.000	95	926793	24.8	
\$ 6 4-Bromofluorobenzene (Surr	174	15.872	15.872	0.000	92	324595	24.4	
10 Dichlorodifluoromethane	85		4.326				ND	
11 Chloromethane	50		4.745				ND	
17 Vinyl chloride	62		4.946				ND	
12 Bromomethane	94		5.585				ND	
13 Chloroethane	64		5.713				ND	
14 Trichlorofluoromethane	101		6.065				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.735				ND	
25 1,1-Dichloroethene	96		6.820				ND	
24 Acetone	43	6.881	6.881	0.000	62	11700	1.17	7
27 Carbon disulfide	76		7.227				ND	
30 Methyl acetate	43		7.246				ND	
31 Methylene Chloride	84		7.471				ND	
32 Methyl tert-butyl ether	73		7.684				ND	
35 trans-1,2-Dichloroethene	96		7.769				ND	
40 1,1-Dichloroethane	63		8.335				ND	
44 2-Butanone (MEK)	43		9.010				ND	
43 cis-1,2-Dichloroethene	96		9.040				ND	
49 Chloroform	83		9.411				ND	
52 1,1,1-Trichloroethane	97		9.637				ND	
54 Cyclohexane	56		9.691				ND	
55 Carbon tetrachloride	117		9.837				ND	
57 Benzene	78		10.117				ND	
60 1,2-Dichloroethane	62		10.178				ND	
62 Trichloroethene	95		10.878				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		11.072				ND	
63 1,2-Dichloropropane	63		11.218				ND	
70 Dichlorobromomethane	83		11.553				ND	
73 cis-1,3-Dichloropropene	75		12.088				ND	
75 4-Methyl-2-pentanone (MIBK)	43		12.192				ND	
76 Toluene	92		12.508				ND	
78 trans-1,3-Dichloropropene	75		12.800				ND	
79 1,1,2-Trichloroethane	83		13.086				ND	
80 Tetrachloroethene	166		13.232				ND	
83 2-Hexanone	43		13.275				ND	
81 Chlorodibromomethane	129		13.664				ND	
85 Ethylene Dibromide	107		13.859				ND	
87 Chlorobenzene	112		14.418				ND	
89 Ethylbenzene	91		14.461				ND	
90 m-Xylene & p-Xylene	106		14.595				ND	
93 o-Xylene	106		15.148				ND	
94 Styrene	104		15.173				ND	
92 Bromoform	173		15.562				ND	
95 Isopropylbenzene	105		15.574				ND	
97 1,1,2,2-Tetrachloroethane	83		16.043				ND	
110 1,3-Dichlorobenzene	146		17.259				ND	
111 1,4-Dichlorobenzene	146		17.363				ND	
116 1,2-Dichlorobenzene	146		17.862				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.914				ND	
119 1,2,4-Trichlorobenzene	180		20.015				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00280

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr_00261

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95556P.D

Injection Date: 15-Jan-2018 15:47:30

Instrument ID: HP5973P

Operator ID: RB

Lims ID: 480-129995-A-5

Lab Sample ID: 480-129995-5

Worklist Smp#: 21

Client ID: MW-10

Purge Vol: 5.000 mL

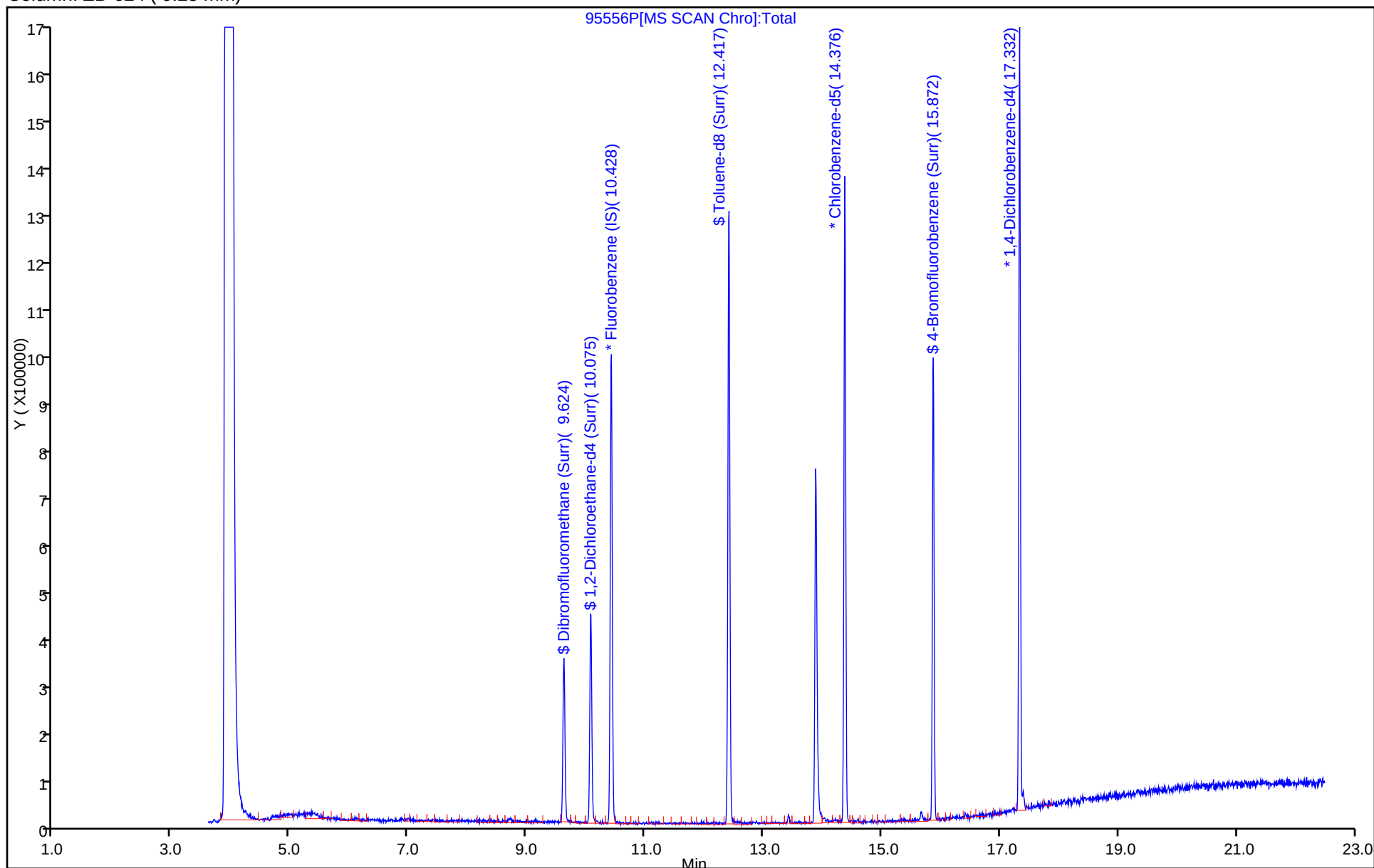
Dil. Factor: 1.0000

ALS Bottle#: 100

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-11</u>	Lab Sample ID: <u>480-129995-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>95557P.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/08/2018 15:50</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/15/2018 16:14</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395765</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	0.99	J	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
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	2.4		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: MW-11 Lab Sample ID: 480-129995-6
 Matrix: Water Lab File ID: 95557P.D
 Analysis Method: 8260C Date Collected: 01/08/2018 15:50
 Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 16:14
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 395765 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	2.1		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
2037-26-5	Toluene-d8 (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	113		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95557P.D
 Lims ID: 480-129995-A-6
 Client ID: MW-11
 Sample Type: Client
 Inject. Date: 15-Jan-2018 16:14:30 ALS Bottle#: 100 Worklist Smp#: 22
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-129995-a-6
 Misc. Info.: 480-0068571-022
 Operator ID: RB Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 10:38:21 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: baroner

Date: 16-Jan-2018 10:38:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.422	10.421	0.001	97	159685	25.0	
* 2 Chlorobenzene-d5	82	14.376	14.376	0.000	92	412901	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.332	17.332	0.000	94	464550	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.625	9.630	0.001	93	246993	28.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.081	10.075	0.006	0	149047	26.1	
\$ 5 Toluene-d8 (Surr)	98	12.417	12.417	0.000	96	888317	23.1	
\$ 6 4-Bromofluorobenzene (Surr	174	15.872	15.872	0.000	94	306618	22.5	
10 Dichlorodifluoromethane	85		4.326				ND	
11 Chloromethane	50		4.745				ND	
17 Vinyl chloride	62	4.952	4.970	0.006	67	33380	2.14	
12 Bromomethane	94		5.585				ND	
13 Chloroethane	64		5.713				ND	
14 Trichlorofluoromethane	101		6.065				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.735				ND	
25 1,1-Dichloroethene	96		6.820				ND	
24 Acetone	43	6.875	6.875	-0.006	64	6131	0.6379	7
27 Carbon disulfide	76		7.227				ND	
30 Methyl acetate	43		7.246				ND	
31 Methylene Chloride	84		7.471				ND	
32 Methyl tert-butyl ether	73		7.684				ND	
35 trans-1,2-Dichloroethene	96		7.769				ND	
40 1,1-Dichloroethane	63	8.329	8.335	-0.006	94	25758	0.99	
44 2-Butanone (MEK)	43		9.010				ND	
43 cis-1,2-Dichloroethene	96	9.041	9.053	0.001	89	29574	2.36	
49 Chloroform	83		9.411				ND	
52 1,1,1-Trichloroethane	97		9.637				ND	
54 Cyclohexane	56		9.691				ND	
55 Carbon tetrachloride	117		9.837				ND	
57 Benzene	78		10.117				ND	
60 1,2-Dichloroethane	62		10.178				ND	
62 Trichloroethene	95		10.878				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		11.072				ND	
63 1,2-Dichloropropane	63		11.218				ND	
70 Dichlorobromomethane	83		11.553				ND	
73 cis-1,3-Dichloropropene	75		12.088				ND	
75 4-Methyl-2-pentanone (MIBK)	43		12.192				ND	
76 Toluene	92		12.508				ND	
78 trans-1,3-Dichloropropene	75		12.800				ND	
79 1,1,2-Trichloroethane	83		13.086				ND	
80 Tetrachloroethene	166		13.232				ND	
83 2-Hexanone	43		13.275				ND	
81 Chlorodibromomethane	129		13.664				ND	
85 Ethylene Dibromide	107		13.859				ND	
87 Chlorobenzene	112		14.418				ND	
89 Ethylbenzene	91		14.461				ND	
90 m-Xylene & p-Xylene	106		14.595				ND	
93 o-Xylene	106		15.148				ND	
94 Styrene	104		15.173				ND	
92 Bromoform	173		15.562				ND	
95 Isopropylbenzene	105		15.574				ND	
97 1,1,2,2-Tetrachloroethane	83		16.043				ND	
110 1,3-Dichlorobenzene	146		17.259				ND	
111 1,4-Dichlorobenzene	146		17.363				ND	
116 1,2-Dichlorobenzene	146		17.862				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.914				ND	
119 1,2,4-Trichlorobenzene	180		20.015				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00280

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr_00261

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95557P.D

Injection Date: 15-Jan-2018 16:14:30

Instrument ID: HP5973P

Operator ID: RB

Lims ID: 480-129995-A-6

Lab Sample ID: 480-129995-6

Worklist Smp#: 22

Client ID: MW-11

Purge Vol: 5.000 mL

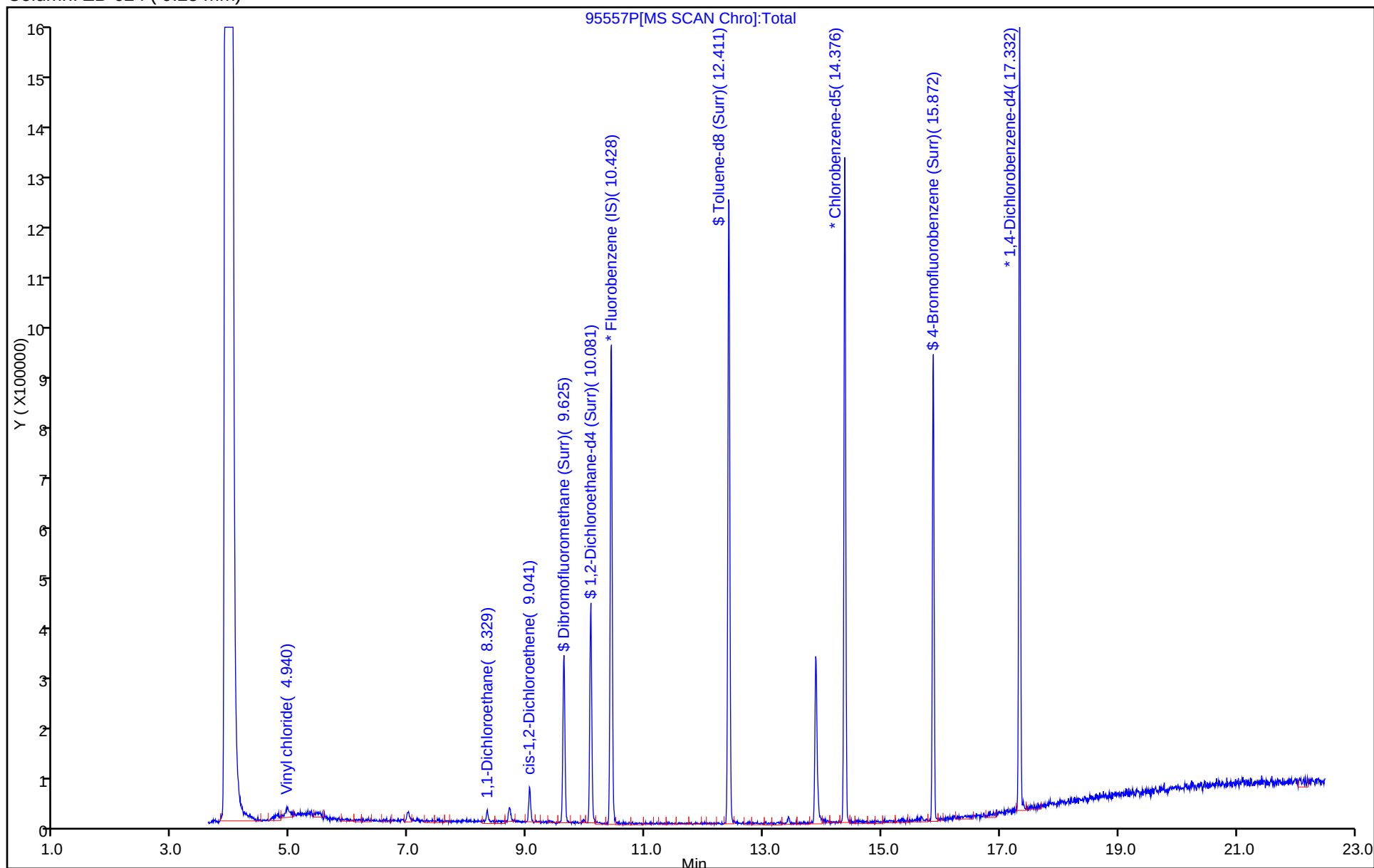
Dil. Factor: 1.0000

ALS Bottle#: 100

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95557P.D

Injection Date: 15-Jan-2018 16:14:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-6

Lab Sample ID: 480-129995-6

Client ID: MW-11

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 22

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

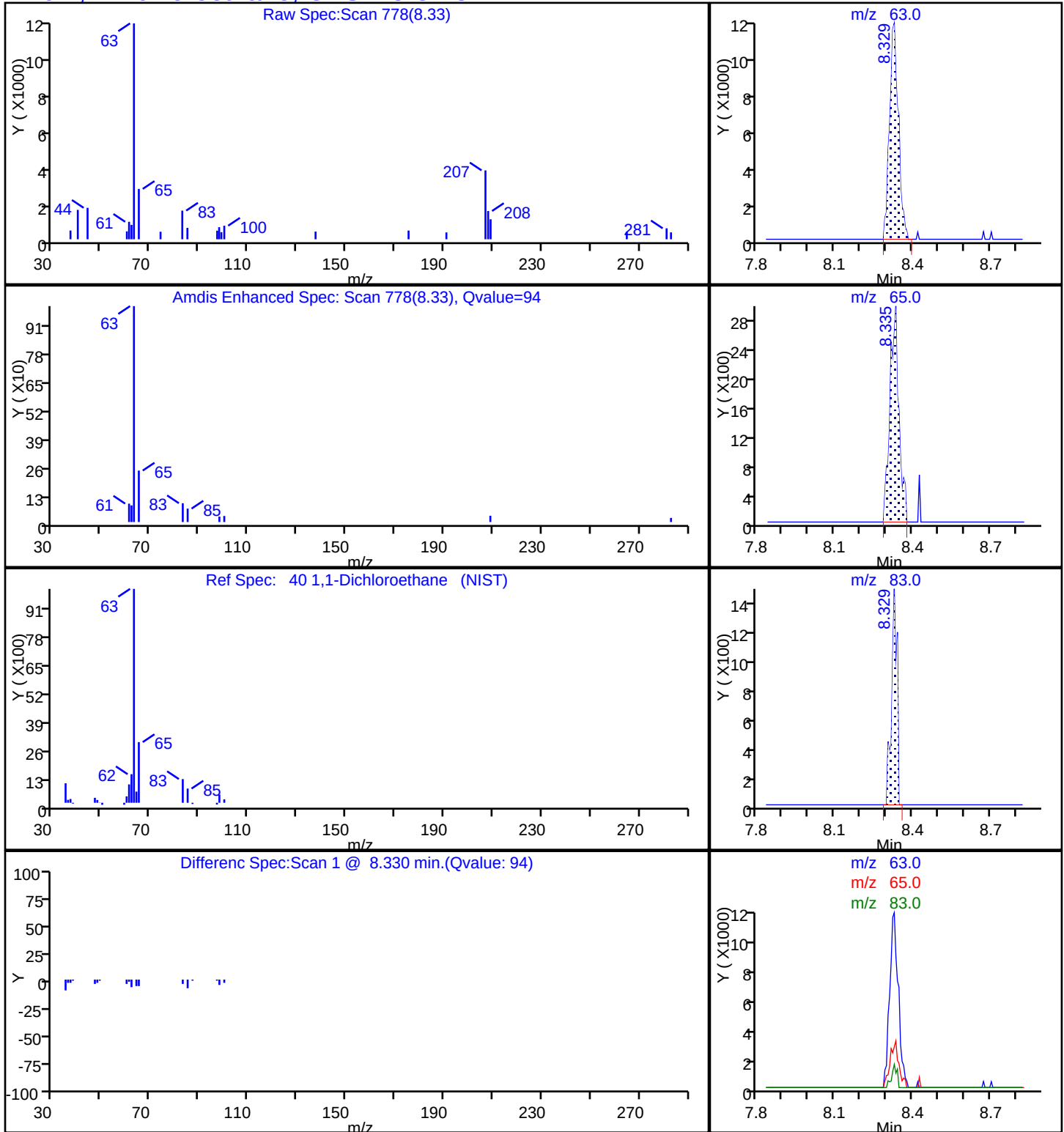
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

40 1,1-Dichloroethane, CAS: 75-34-3



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95557P.D

Injection Date: 15-Jan-2018 16:14:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-6

Lab Sample ID: 480-129995-6

Client ID: MW-11

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 22

Purge Vol: 5.000 mL

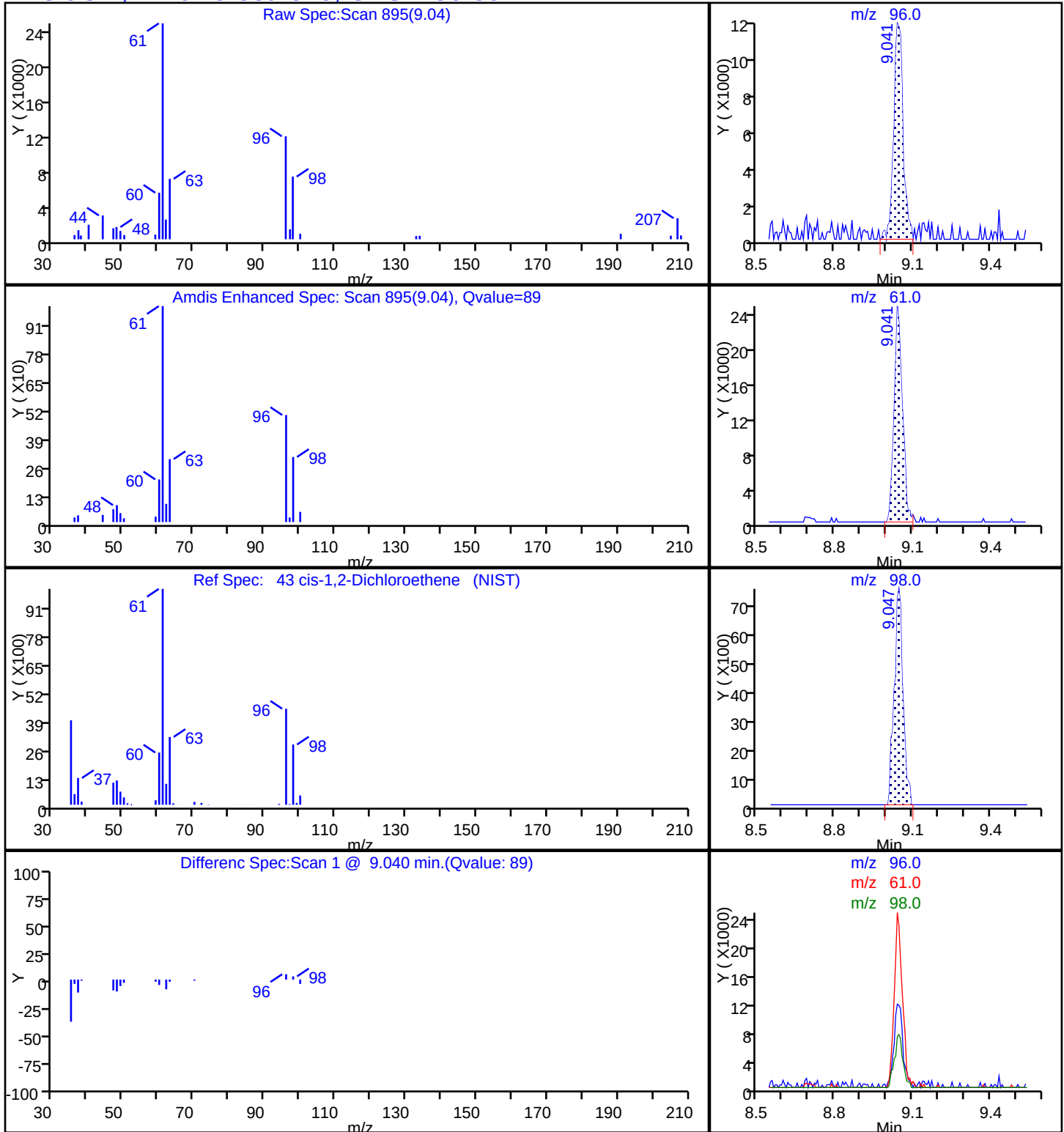
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95557P.D

Injection Date: 15-Jan-2018 16:14:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-6

Lab Sample ID: 480-129995-6

Client ID: MW-11

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 22

Purge Vol: 5.000 mL

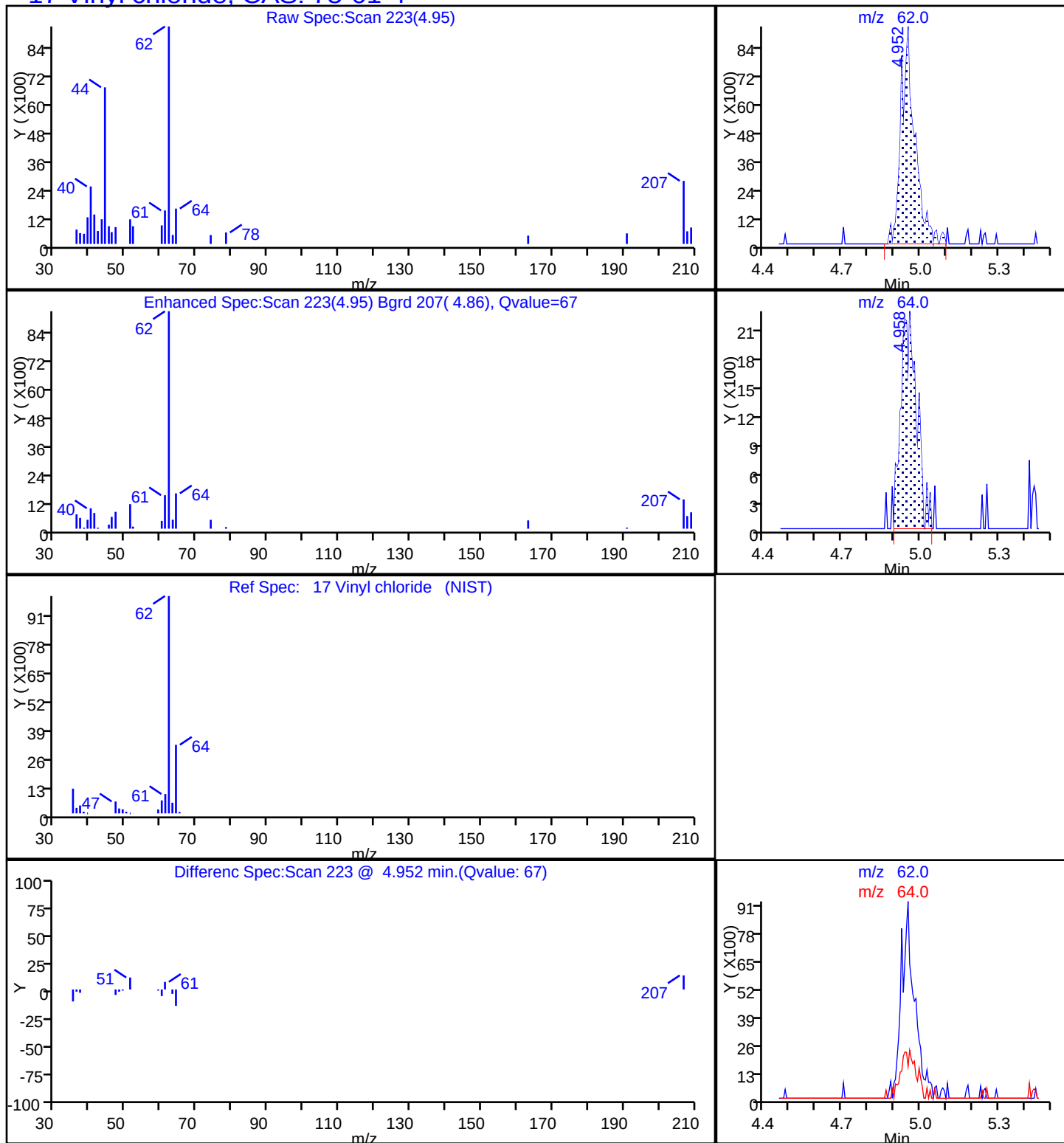
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

17 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-16S</u>	Lab Sample ID: <u>480-129995-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>T3871.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/09/2018 13:25</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/16/2018 12:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1000</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395914</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1000	820
79-34-5	1,1,2,2-Tetrachloroethane	ND		1000	210
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310
79-00-5	1,1,2-Trichloroethane	ND		1000	230
75-34-3	1,1-Dichloroethane	ND		1000	380
75-35-4	1,1-Dichloroethene	ND		1000	290
120-82-1	1,2,4-Trichlorobenzene	ND		1000	410
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1000	390
106-93-4	1,2-Dibromoethane	ND		1000	730
95-50-1	1,2-Dichlorobenzene	ND		1000	790
107-06-2	1,2-Dichloroethane	ND		1000	210
78-87-5	1,2-Dichloropropane	ND		1000	720
541-73-1	1,3-Dichlorobenzene	ND		1000	780
106-46-7	1,4-Dichlorobenzene	ND		1000	840
78-93-3	2-Butanone (MEK)	ND	*	10000	1300
591-78-6	2-Hexanone	ND		5000	1200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5000	2100
67-64-1	Acetone	ND		10000	3000
71-43-2	Benzene	ND		1000	410
75-27-4	Bromodichloromethane	ND		1000	390
75-25-2	Bromoform	ND		1000	260
74-83-9	Bromomethane	ND		1000	690
75-15-0	Carbon disulfide	ND		1000	190
56-23-5	Carbon tetrachloride	ND		1000	270
108-90-7	Chlorobenzene	ND		1000	750
75-00-3	Chloroethane	1800		1000	320
67-66-3	Chloroform	ND		1000	340
74-87-3	Chloromethane	ND		1000	350
156-59-2	cis-1,2-Dichloroethene	9600		1000	810
10061-01-5	cis-1,3-Dichloropropene	ND		1000	360
110-82-7	Cyclohexane	ND		1000	180
124-48-1	Dibromochloromethane	ND		1000	320
75-71-8	Dichlorodifluoromethane	ND		1000	680
100-41-4	Ethylbenzene	ND		1000	740
98-82-8	Isopropylbenzene	ND		1000	790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: MW-16S Lab Sample ID: 480-129995-7

Matrix: Water Lab File ID: T3871.D

Analysis Method: 8260C Date Collected: 01/09/2018 13:25

Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 12:45

Soil Aliquot Vol: _____ Dilution Factor: 1000

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

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

Analysis Batch No.: 395914 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2500	1300
1634-04-4	Methyl tert-butyl ether	ND		1000	160
108-87-2	Methylcyclohexane	ND		1000	160
75-09-2	Methylene Chloride	780	J	1000	440
100-42-5	Styrene	ND		1000	730
127-18-4	Tetrachloroethene	ND		1000	360
108-88-3	Toluene	550	J	1000	510
156-60-5	trans-1,2-Dichloroethene	ND		1000	900
10061-02-6	trans-1,3-Dichloropropene	ND		1000	370
79-01-6	Trichloroethene	ND		1000	460
75-69-4	Trichlorofluoromethane	ND		1000	880
75-01-4	Vinyl chloride	54000	F1	1000	900
1330-20-7	Xylenes, Total	ND		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3871.D
 Lims ID: 480-129995-B-7
 Client ID: MW-16S
 Sample Type: Client
 Inject. Date: 16-Jan-2018 12:45:30 ALS Bottle#: 13 Worklist Smp#: 25
 Purge Vol: 5.000 mL Dil. Factor: 1000.0000
 Sample Info: 480-129995-b-7
 Misc. Info.: 480-0068593-025
 Operator ID: RR Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 16:20:46 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK031

First Level Reviewer: nowakk

Date: 16-Jan-2018 16:20:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.869	4.869	0.000	98	143389	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	88	570416	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	96	316159	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.403	4.403	0.000	92	183680	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.652	4.652	0.000	0	229520	25.1	
\$ 6 Toluene-d8 (Surr)	98	6.040	6.040	0.000	95	648918	25.2	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.001	88	215320	25.9	
11 Dichlorodifluoromethane	85		1.242				ND	
13 Chloromethane	50		1.408				ND	
14 Vinyl chloride	62	1.481	1.491	-0.010	98	589301	54.3	
15 Bromomethane	94		1.792				ND	
16 Chloroethane	64	1.843	1.854	-0.011	96	10999	1.84	
17 Trichlorofluoromethane	101		2.061				ND	
22 1,1-Dichloroethene	96		2.517				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.527				ND	
23 Acetone	43	2.631	2.631	0.000	75	4670	1.77	M
25 Carbon disulfide	76		2.704				ND	
28 Methyl acetate	43		2.900				ND	
30 Methylene Chloride	84	2.983	2.994	-0.011	93	13632	0.7834	
33 Methyl tert-butyl ether	73		3.170				ND	
32 trans-1,2-Dichloroethene	96		3.191				ND	
36 1,1-Dichloroethane	63	3.543	3.553	-0.010	94	5567	0.3741	
43 cis-1,2-Dichloroethene	96	4.020	4.020	0.000	84	85652	9.63	
44 2-Butanone (MEK)	43		4.051				ND	
50 Chloroform	83		4.279				ND	
51 1,1,1-Trichloroethane	97		4.372				ND	
52 Cyclohexane	56		4.382				ND	
53 Carbon tetrachloride	117		4.486				ND	
55 Benzene	78		4.662				ND	
57 1,2-Dichloroethane	62		4.714				ND	
60 Trichloroethene	95		5.139				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.232				ND	
63 1,2-Dichloropropane	63		5.336				ND	
67 Dichlorobromomethane	83		5.553				ND	
71 cis-1,3-Dichloropropene	75		5.875				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.978				ND	
73 Toluene	92	6.092	6.092	0.000	97	10374	0.5540	M
75 trans-1,3-Dichloropropene	75		6.310				ND	
78 1,1,2-Trichloroethane	83		6.455				ND	
79 Tetrachloroethene	166		6.496				ND	
81 2-Hexanone	43		6.621				ND	
82 Chlorodibromomethane	129		6.755				ND	
83 Ethylene Dibromide	107		6.838				ND	
86 Chlorobenzene	112		7.191				ND	
88 Ethylbenzene	91		7.253				ND	
90 m-Xylene & p-Xylene	106		7.346				ND	
91 o-Xylene	106		7.667				ND	
92 Styrene	104		7.688				ND	
93 Bromoform	173		7.885				ND	
95 Isopropylbenzene	105		7.947				ND	
98 1,1,2,2-Tetrachloroethane	83		8.258				ND	
110 1,3-Dichlorobenzene	146		8.984				ND	
113 1,4-Dichlorobenzene	146		9.056				ND	
116 1,2-Dichlorobenzene	146		9.367				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.041				ND	
119 1,2,4-Trichlorobenzene	180		10.693				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

T_8260_IS_00184

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00165

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3871.D

Injection Date: 16-Jan-2018 12:45:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: 480-129995-B-7

Lab Sample ID: 480-129995-7

Worklist Smp#: 25

Client ID: MW-16S

Purge Vol: 5.000 mL

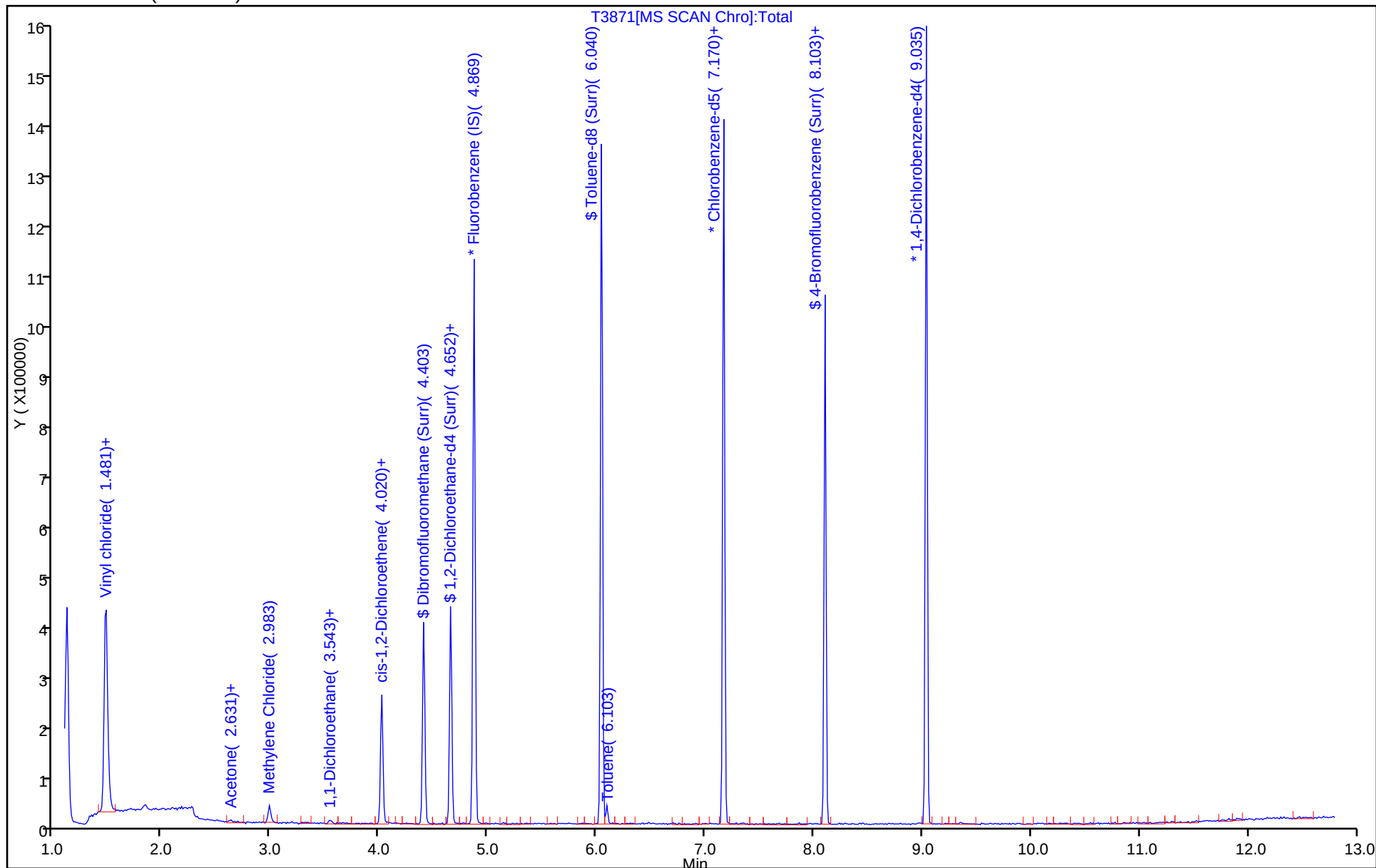
Dil. Factor: 1000.0000

ALS Bottle#: 13

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3871.D

Injection Date: 16-Jan-2018 12:45:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-7

Lab Sample ID: 480-129995-7

Client ID: MW-16S

Operator ID: RR

ALS Bottle#: 13

Worklist Smp#: 25

Purge Vol: 5.000 mL

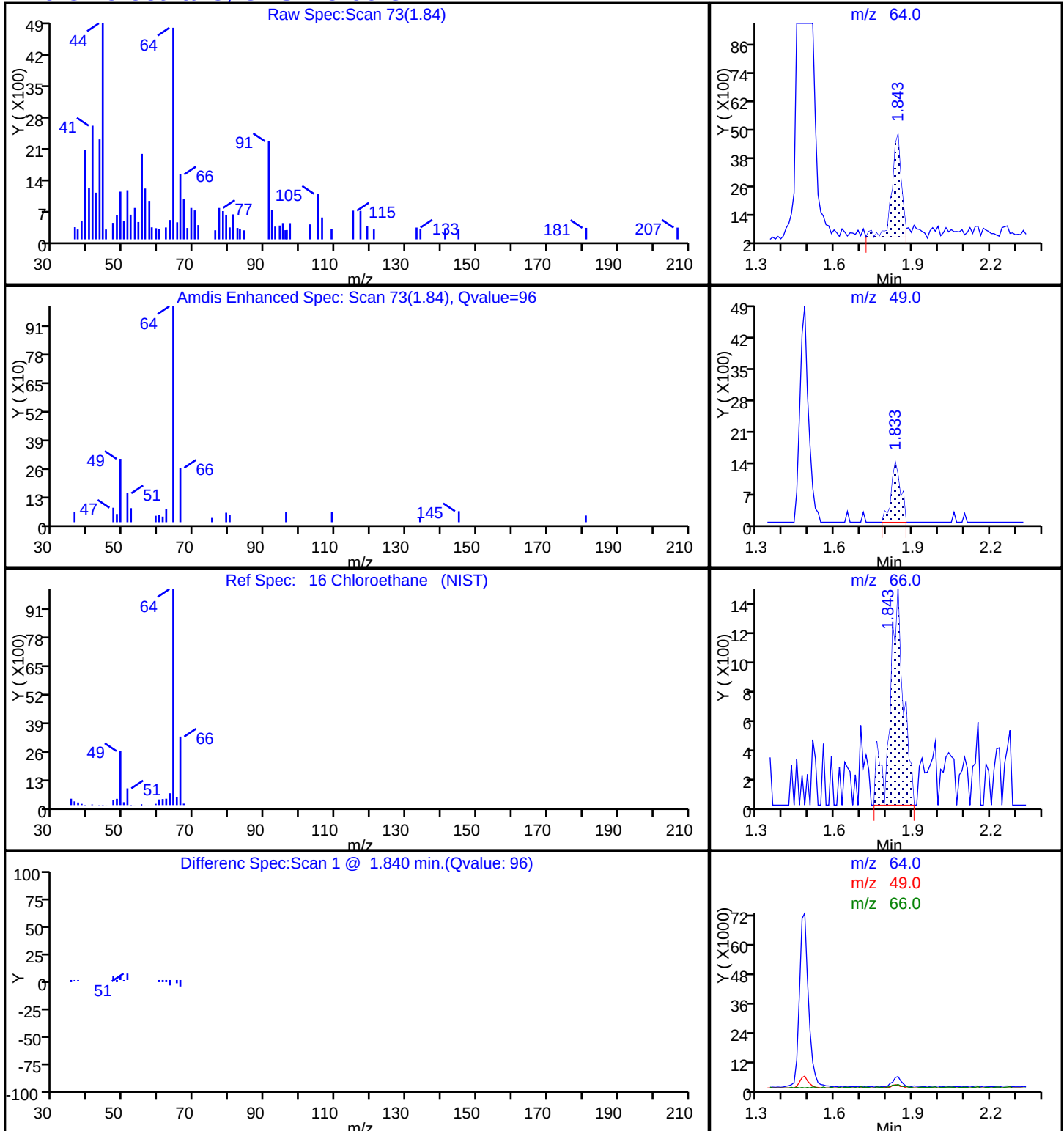
Dil. Factor: 1000.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3871.D

Injection Date: 16-Jan-2018 12:45:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-7

Lab Sample ID: 480-129995-7

Client ID: MW-16S

Operator ID: RR

ALS Bottle#: 13

Worklist Smp#: 25

Purge Vol: 5.000 mL

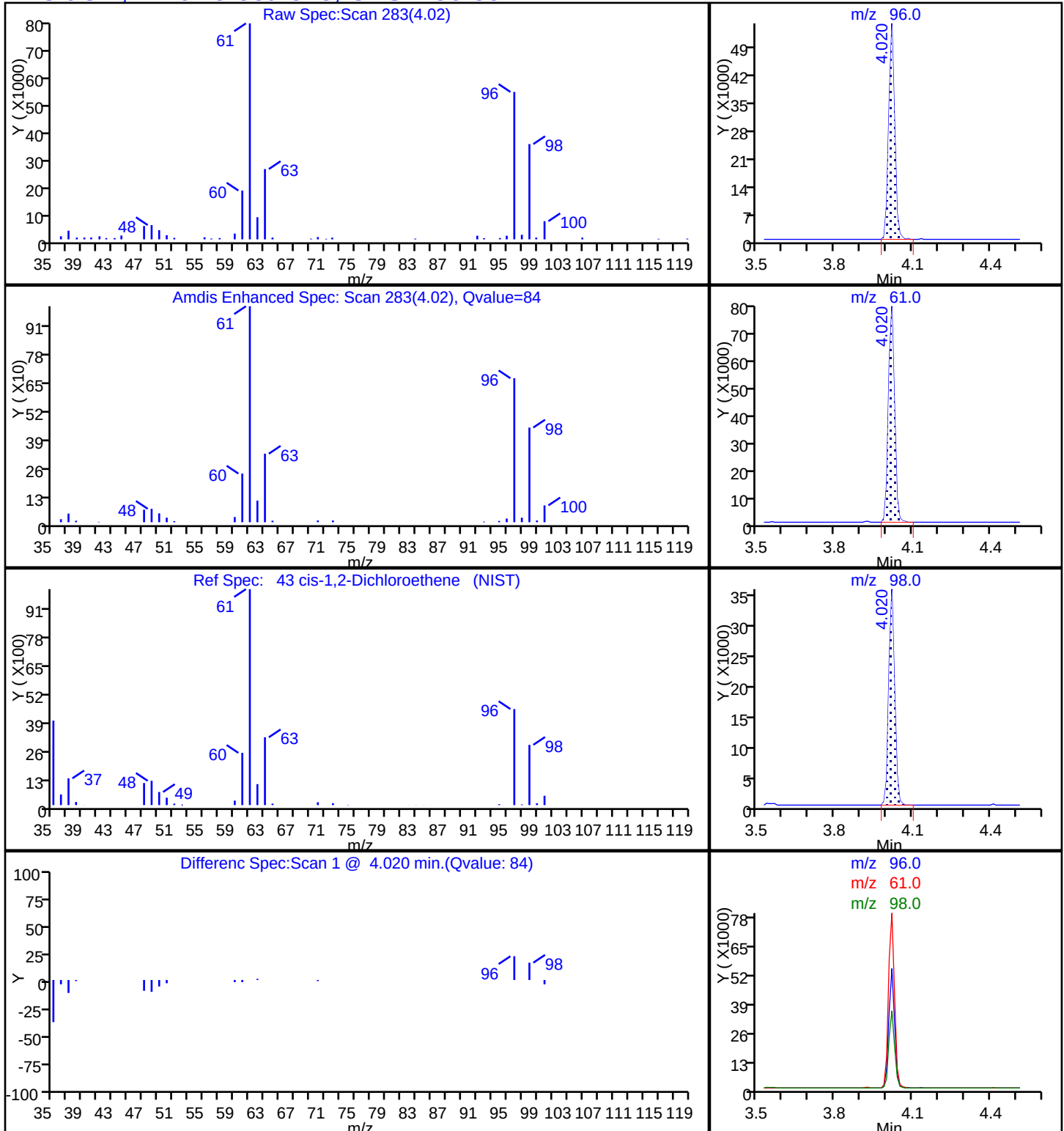
Dil. Factor: 1000.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3871.D

Injection Date: 16-Jan-2018 12:45:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-7

Lab Sample ID: 480-129995-7

Client ID: MW-16S

Operator ID: RR

ALS Bottle#: 13

Worklist Smp#: 25

Purge Vol: 5.000 mL

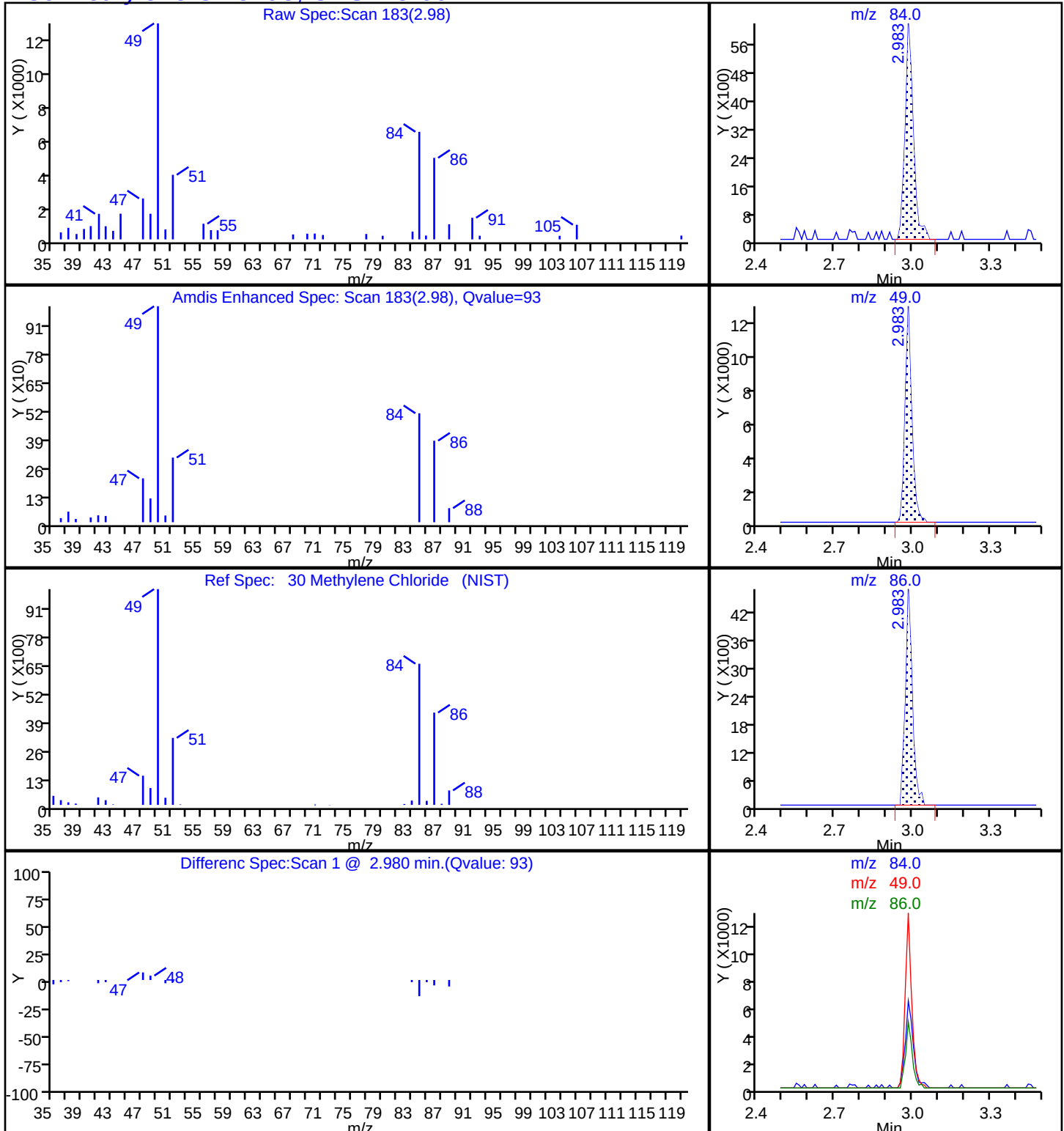
Dil. Factor: 1000.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3871.D

Injection Date: 16-Jan-2018 12:45:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-7

Lab Sample ID: 480-129995-7

Client ID: MW-16S

Operator ID: RR

ALS Bottle#: 13

Worklist Smp#: 25

Purge Vol: 5.000 mL

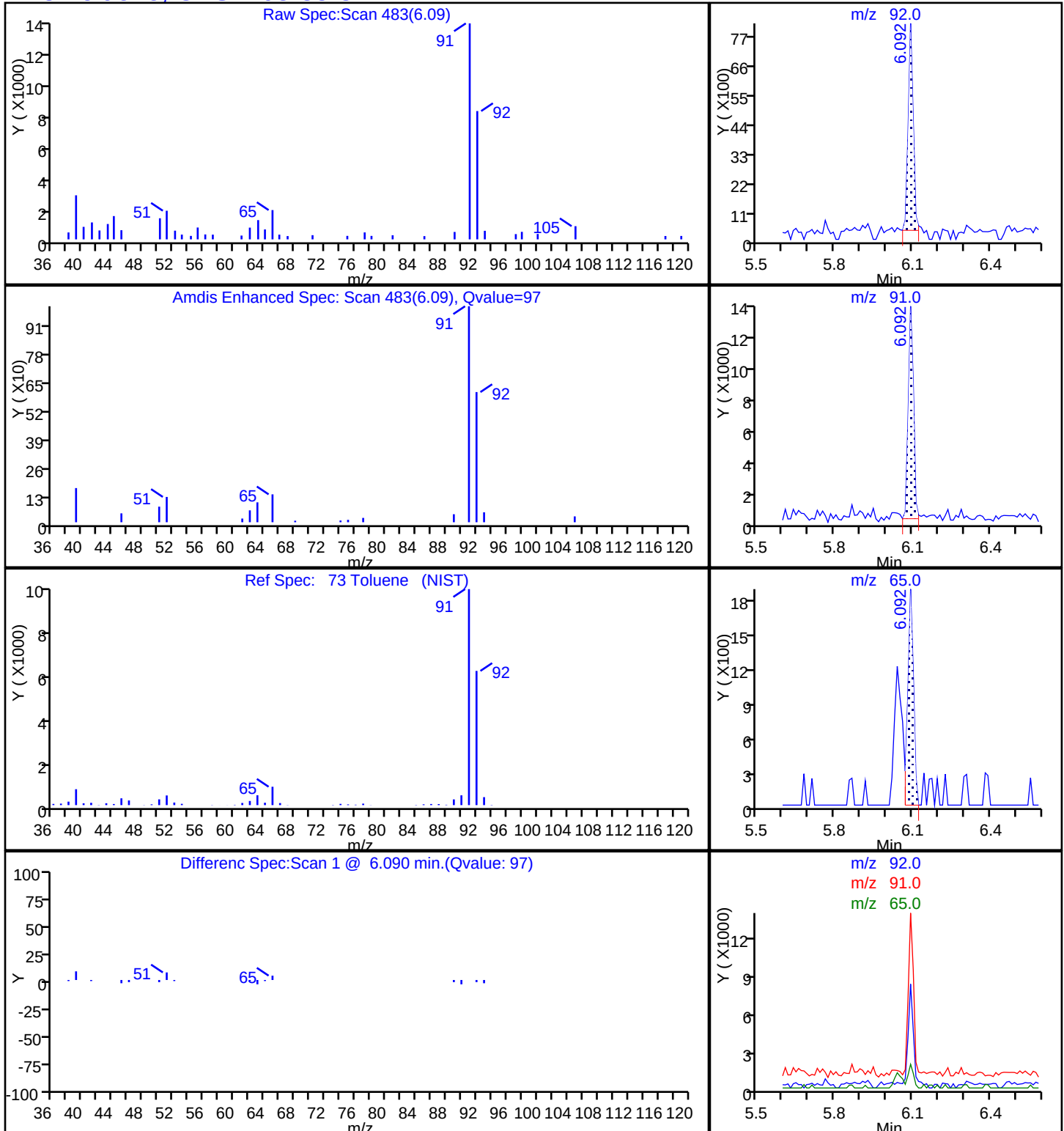
Dil. Factor: 1000.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

73 Toluene, CAS: 108-88-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3871.D

Injection Date: 16-Jan-2018 12:45:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-7

Lab Sample ID: 480-129995-7

Client ID: MW-16S

Operator ID: RR

ALS Bottle#: 13

Worklist Smp#: 25

Purge Vol: 5.000 mL

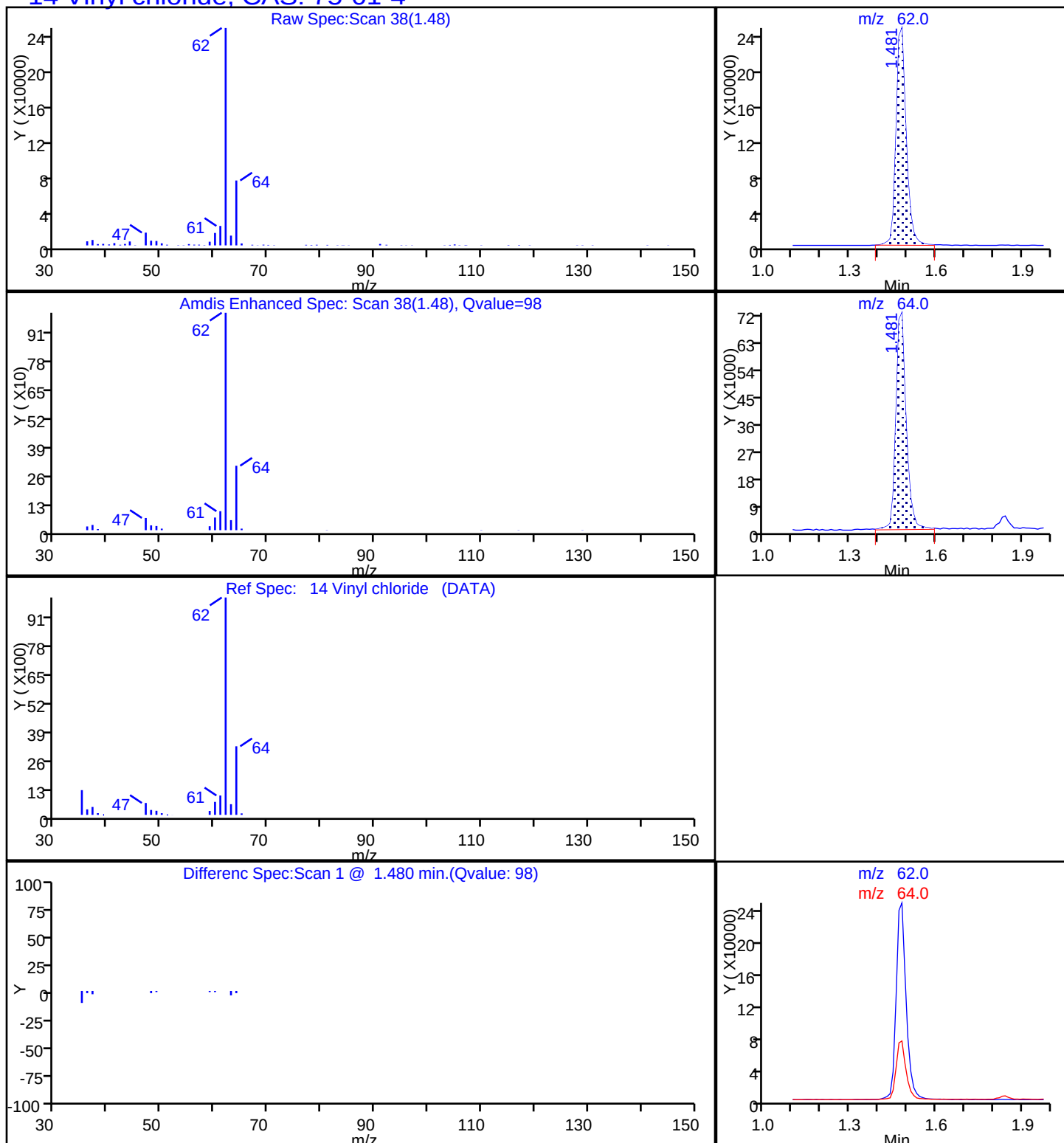
Dil. Factor: 1000.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3871.D

Injection Date: 16-Jan-2018 12:45:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-7

Lab Sample ID: 480-129995-7

Client ID: MW-16S

Operator ID: RR

ALS Bottle#: 13 Worklist Smp#: 25

Purge Vol: 5.000 mL

Dil. Factor: 1000.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

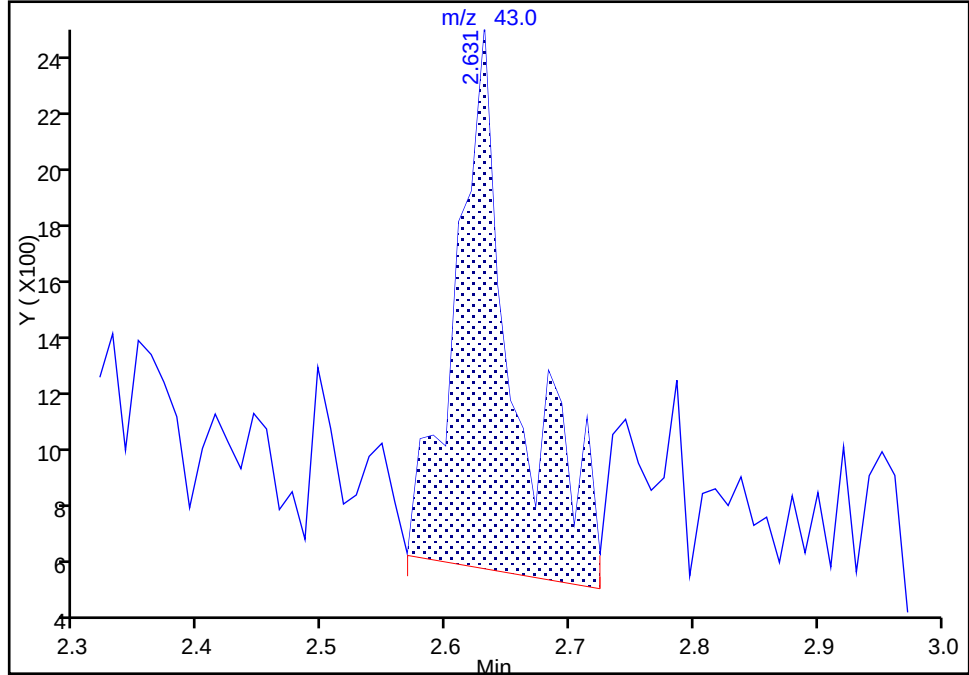
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

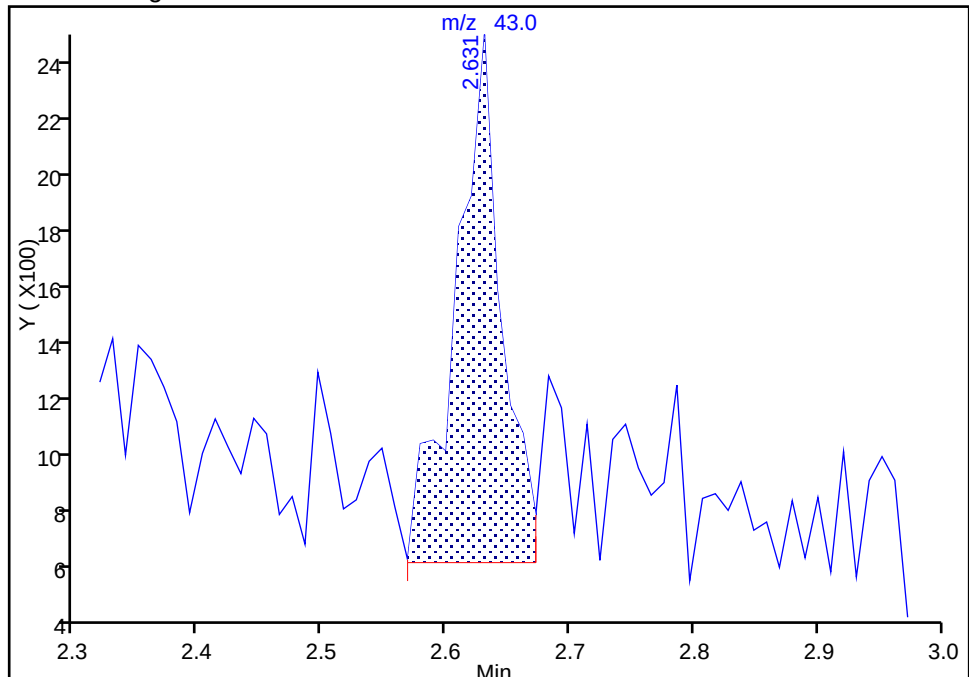
RT: 2.63
Area: 6245
Amount: 2.368572
Amount Units: ug/L

Processing Integration Results



RT: 2.63
Area: 4670
Amount: 1.771214
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 16-Jan-2018 16:19:57

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3871.D

Injection Date: 16-Jan-2018 12:45:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-7

Lab Sample ID: 480-129995-7

Client ID: MW-16S

Operator ID: RR

ALS Bottle#: 13 Worklist Smp#: 25

Purge Vol: 5.000 mL

Dil. Factor: 1000.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

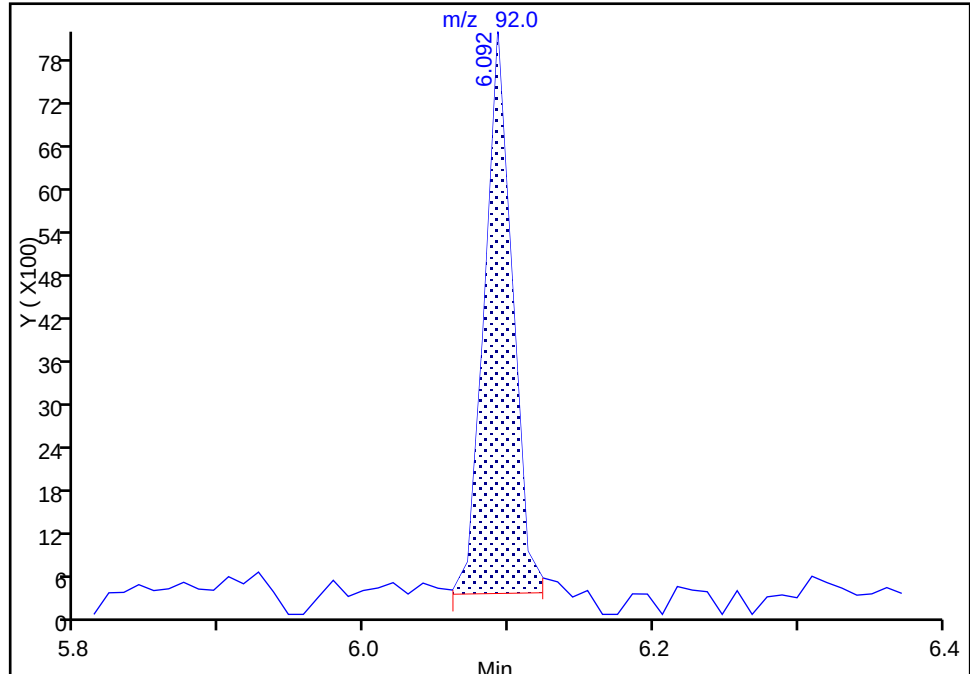
Detector: MS SCAN

73 Toluene, CAS: 108-88-3

Signal: 1

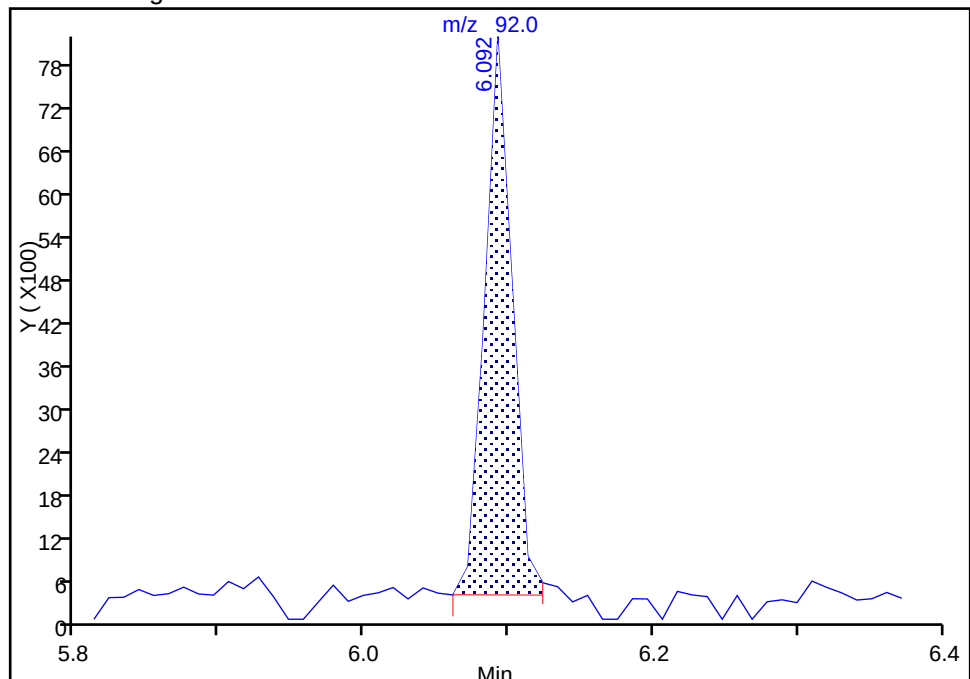
RT: 6.09
Area: 10583
Amount: 0.565157
Amount Units: ug/L

Processing Integration Results



RT: 6.09
Area: 10374
Amount: 0.553996
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 16-Jan-2018 16:20:32

Audit Action: Manually Integrated

Audit Reason: Baseline

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>Duplicate</u>	Lab Sample ID: <u>480-129995-8</u>
Matrix: <u>Water</u>	Lab File ID: <u>T3872.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/08/2018 07:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/16/2018 13:09</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395914</u>	Units: <u>ug/L</u>

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: Duplicate Lab Sample ID: 480-129995-8
 Matrix: Water Lab File ID: T3872.D
 Analysis Method: 8260C Date Collected: 01/08/2018 07:15
 Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 13:09
 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.: 395914 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	2.8		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
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3872.D
 Lims ID: 480-129995-C-8
 Client ID: Duplicate
 Sample Type: Client
 Inject. Date: 16-Jan-2018 13:09:30 ALS Bottle#: 14 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-129995-b-8
 Misc. Info.: 480-0068593-026
 Operator ID: RR Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 16:22:04 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK031

First Level Reviewer: nowakk

Date: 16-Jan-2018 16:22:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.869	4.869	0.000	98	146194	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	88	564715	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	97	312833	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.403	0.010	92	186241	24.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.652	0.010	0	225965	24.3	
\$ 6 Toluene-d8 (Surr)	98	6.040	6.040	0.000	94	647577	25.4	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.001	88	212938	25.9	
11 Dichlorodifluoromethane	85		1.242				ND	
13 Chloromethane	50		1.408				ND	
14 Vinyl chloride	62	1.491	1.491	0.000	96	2927	0.2644	M
15 Bromomethane	94		1.792				ND	
16 Chloroethane	64		1.854				ND	
17 Trichlorofluoromethane	101		2.061				ND	
22 1,1-Dichloroethene	96		2.517				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.527				ND	
23 Acetone	43	2.631	2.631	0.000	99	9089	3.38	M
25 Carbon disulfide	76		2.704				ND	
28 Methyl acetate	43		2.900				ND	
30 Methylene Chloride	84	2.994	2.994	0.000	94	29698	2.78	
33 Methyl tert-butyl ether	73		3.170				ND	
32 trans-1,2-Dichloroethene	96		3.191				ND	
36 1,1-Dichloroethane	63		3.553				ND	
43 cis-1,2-Dichloroethene	96		4.020				ND	
44 2-Butanone (MEK)	43		4.051				ND	
50 Chloroform	83		4.279				ND	
51 1,1,1-Trichloroethane	97		4.372				ND	
52 Cyclohexane	56		4.382				ND	
53 Carbon tetrachloride	117		4.486				ND	
55 Benzene	78		4.662				ND	
57 1,2-Dichloroethane	62		4.714				ND	
60 Trichloroethene	95		5.139				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.232				ND	
63 1,2-Dichloropropane	63		5.336				ND	
67 Dichlorobromomethane	83		5.553				ND	
71 cis-1,3-Dichloropropene	75		5.875				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.978				ND	
73 Toluene	92		6.092				ND	
75 trans-1,3-Dichloropropene	75		6.310				ND	
78 1,1,2-Trichloroethane	83		6.455				ND	
79 Tetrachloroethene	166		6.496				ND	
81 2-Hexanone	43		6.621				ND	
82 Chlorodibromomethane	129		6.755				ND	
83 Ethylene Dibromide	107		6.838				ND	
86 Chlorobenzene	112		7.191				ND	
88 Ethylbenzene	91		7.253				ND	
90 m-Xylene & p-Xylene	106		7.346				ND	
91 o-Xylene	106		7.667				ND	
92 Styrene	104		7.688				ND	
93 Bromoform	173		7.885				ND	
95 Isopropylbenzene	105		7.947				ND	
98 1,1,2,2-Tetrachloroethane	83		8.258				ND	
110 1,3-Dichlorobenzene	146		8.984				ND	
113 1,4-Dichlorobenzene	146		9.056				ND	
116 1,2-Dichlorobenzene	146		9.367				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.041				ND	
119 1,2,4-Trichlorobenzene	180		10.693				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

T_8260_IS_00184

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00165

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3872.D

Injection Date: 16-Jan-2018 13:09:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: 480-129995-C-8

Lab Sample ID: 480-129995-8

Worklist Smp#: 26

Client ID: Duplicate

Purge Vol: 5.000 mL

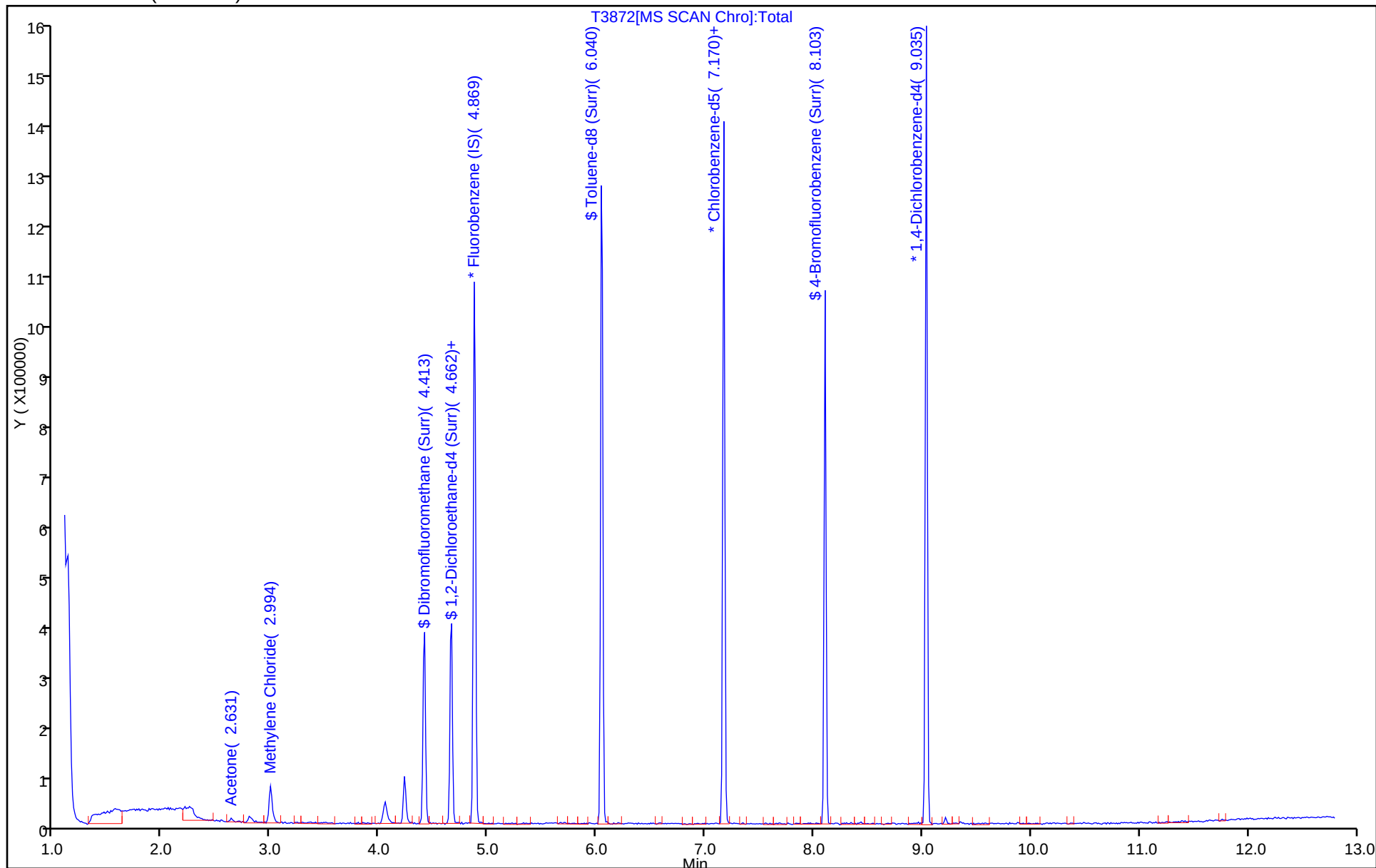
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3872.D

Injection Date: 16-Jan-2018 13:09:30

Instrument ID: HP5975T

Lims ID: 480-129995-C-8

Lab Sample ID: 480-129995-8

Client ID: Duplicate

Operator ID: RR

ALS Bottle#: 14

Worklist Smp#: 26

Purge Vol: 5.000 mL

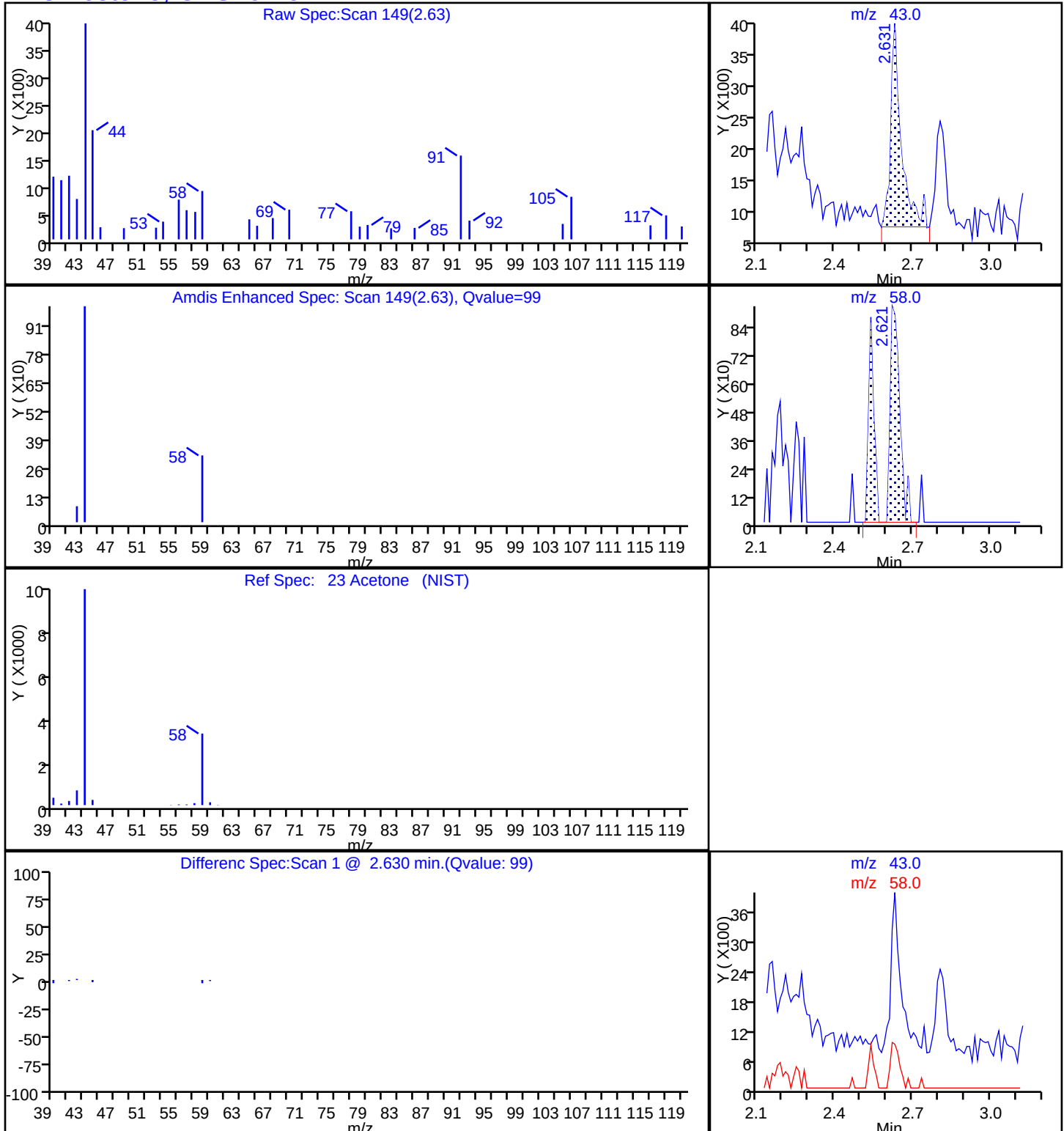
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3872.D

Injection Date: 16-Jan-2018 13:09:30

Instrument ID: HP5975T

Lims ID: 480-129995-C-8

Lab Sample ID: 480-129995-8

Client ID: Duplicate

Operator ID: RR

ALS Bottle#: 14

Worklist Smp#: 26

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

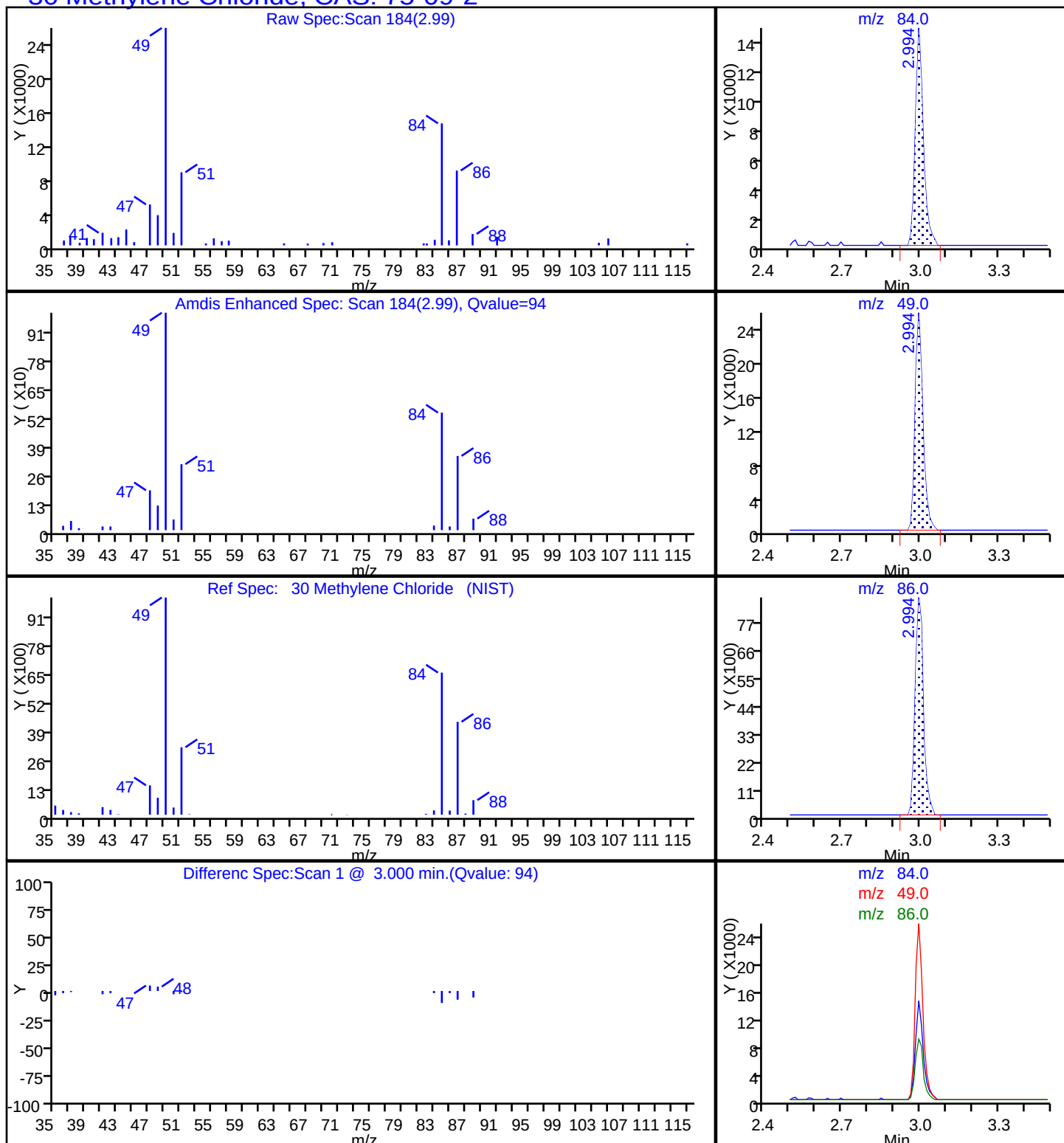
Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2



TestAmerica Buffalo

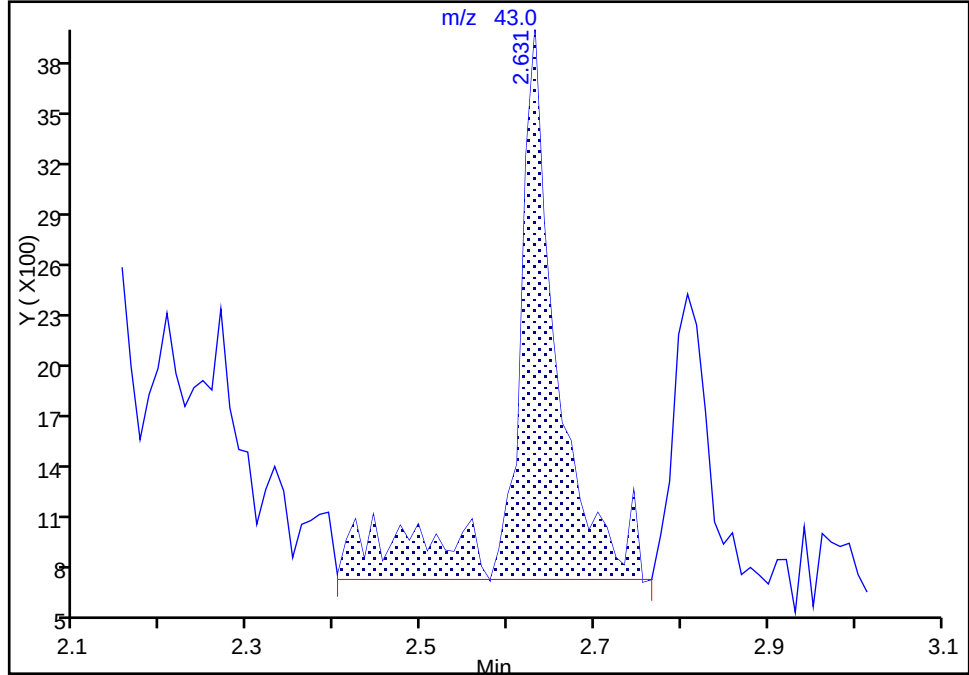
Data File:	\\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3872.D		
Injection Date:	16-Jan-2018 13:09:30	Instrument ID:	HP5975T
Lims ID:	480-129995-C-8	Lab Sample ID:	480-129995-8
Client ID:	Duplicate		
Operator ID:	RR	ALS Bottle#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	26

23 Acetone, CAS: 67-64-1

Signal: 1

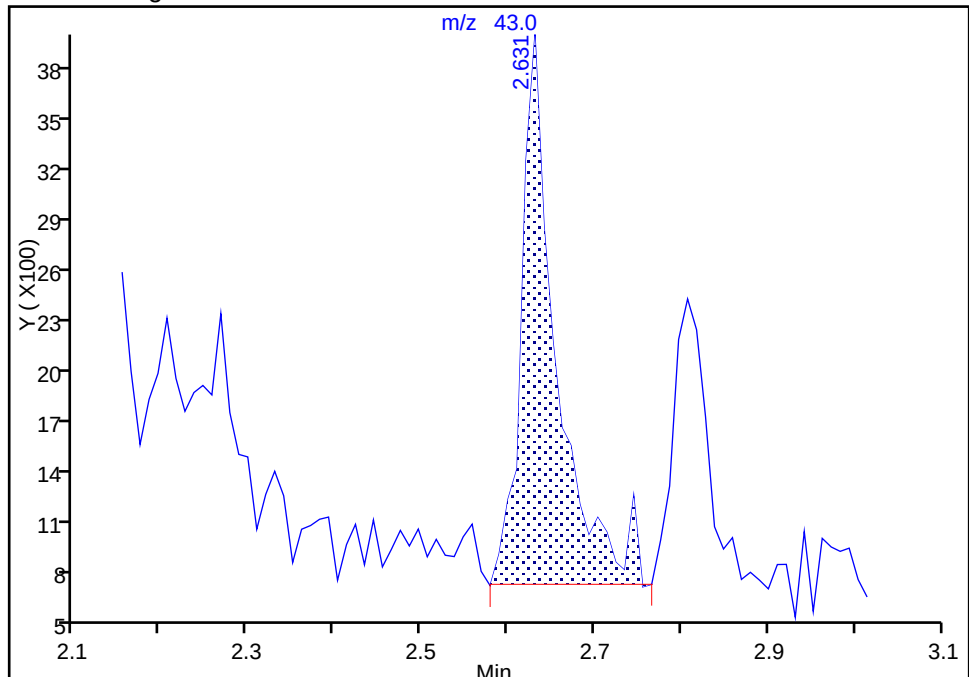
RT: 2.63
Area: 11436
Amount: 4.254167
Amount Units: ug/L

Processing Integration Results



RT: 2.63
Area: 9089
Amount: 3.381088
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 16-Jan-2018 16:21:30

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3872.D

Injection Date: 16-Jan-2018 13:09:30

Instrument ID: HP5975T

Lims ID: 480-129995-C-8

Lab Sample ID: 480-129995-8

Client ID: Duplicate

Operator ID: RR

ALS Bottle#: 14 Worklist Smp#: 26

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

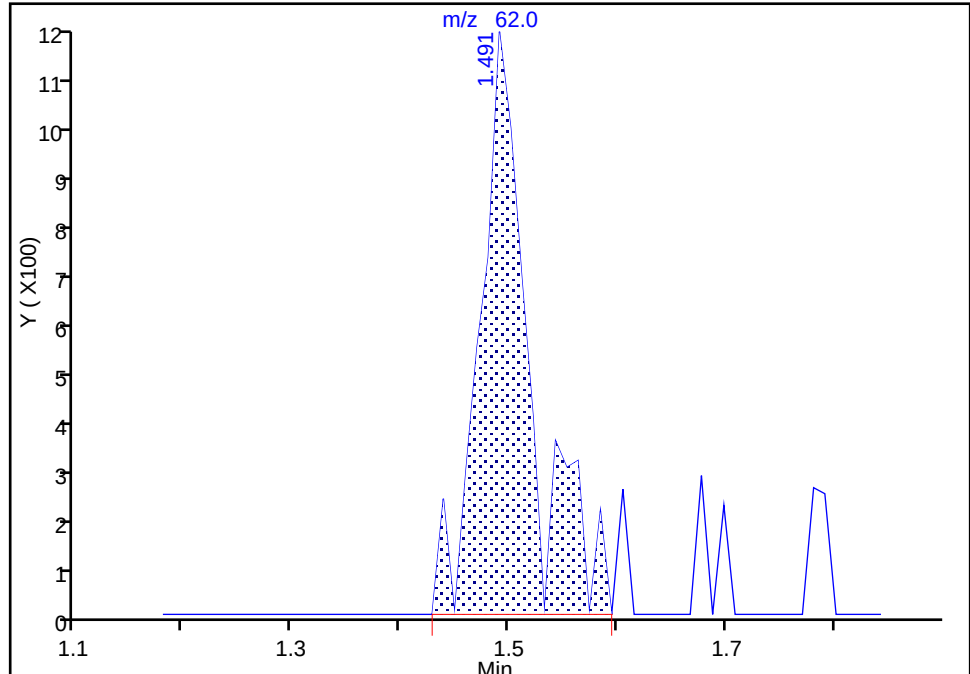
Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

Signal: 1

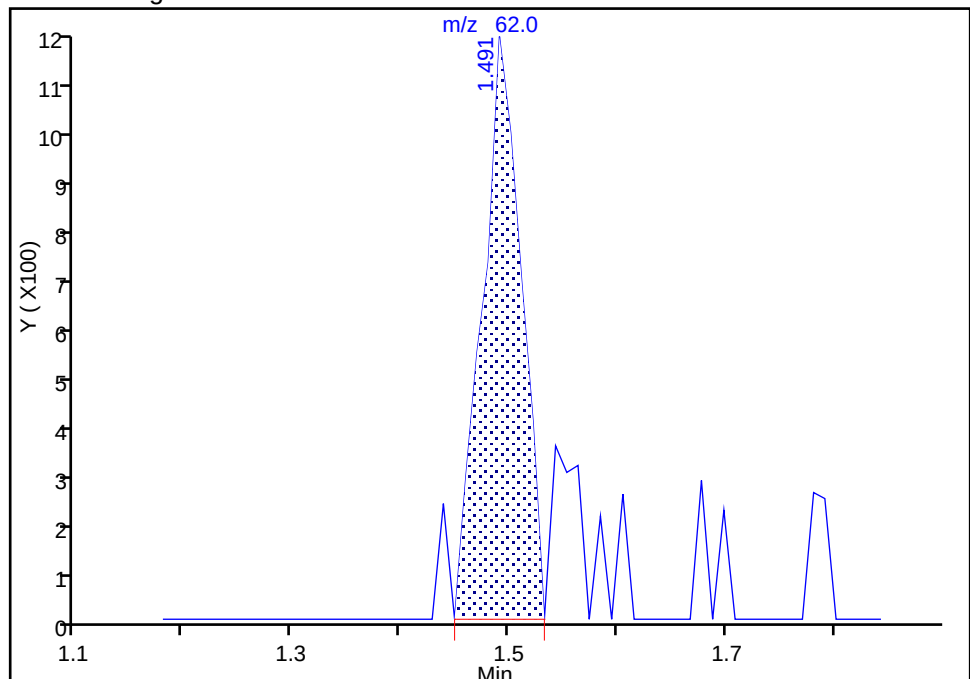
RT: 1.49
Area: 3783
Amount: 0.341737
Amount Units: ug/L

Processing Integration Results



RT: 1.49
Area: 2927
Amount: 0.264410
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 16-Jan-2018 16:21:18

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>Rinse Blank</u>	Lab Sample ID: <u>480-129995-9</u>
Matrix: <u>Water</u>	Lab File ID: <u>C1728.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/11/2018 08:30</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/16/2018 16:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395910</u>	Units: <u>ug/L</u>

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: Rinse Blank Lab Sample ID: 480-129995-9
 Matrix: Water Lab File ID: C1728.D
 Analysis Method: 8260C Date Collected: 01/11/2018 08:30
 Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 16:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 395910 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	2.6		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
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
2037-26-5	Toluene-d8 (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	88		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1728.D
 Lims ID: 480-129995-A-9
 Client ID: Rinse Blank
 Sample Type: Client
 Inject. Date: 16-Jan-2018 16:12:30 ALS Bottle#: 19 Worklist Smp#: 31
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-129995-a-9
 Misc. Info.: 480-0068592-031
 Operator ID: RR Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 16:59:17 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK031

First Level Reviewer: nowakk

Date: 16-Jan-2018 16:59:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.345	9.345	0.000	99	179567	25.0	
* 2 Chlorobenzene-d5	82	11.752	11.752	0.000	85	384774	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	95	409722	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	217806	21.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	97	116074	21.0	
\$ 5 Toluene-d8 (Surr)	98	10.578	10.578	0.000	93	827112	23.1	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.689	0.000	91	345455	26.5	
10 Dichlorodifluoromethane	85		4.460				ND	
12 Chloromethane	50		4.875				ND	
13 Vinyl chloride	62		5.088				ND	
14 Bromomethane	94		5.693				ND	
15 Chloroethane	64		5.823				ND	
17 Trichlorofluoromethane	101		6.179				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.748				ND	
22 1,1-Dichloroethene	96		6.808				ND	
23 Acetone	43		6.843				ND	
26 Carbon disulfide	76		7.128				ND	
27 Methyl acetate	43		7.140				ND	
30 Methylene Chloride	84	7.317	7.317	0.011	84	45060	2.64	
32 Methyl tert-butyl ether	73		7.495				ND	
34 trans-1,2-Dichloroethene	96		7.555				ND	
39 1,1-Dichloroethane	63		7.946				ND	
43 2-Butanone (MEK)	43		8.397				ND	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.012	1	5318	0.3003	
50 Chloroform	83		8.669				ND	
51 1,1,1-Trichloroethane	97		8.859				ND	
52 Cyclohexane	56		8.907				ND	
55 Carbon tetrachloride	117		9.001				ND	
58 1,2-Dichloroethane	62		9.167				ND	
57 Benzene	78		9.167				ND	
62 Trichloroethene	95		9.630				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		9.784				ND	
65 1,2-Dichloropropane	63		9.832				ND	
68 Dichlorobromomethane	83		10.033				ND	
72 cis-1,3-Dichloropropene	75		10.353				ND	
73 4-Methyl-2-pentanone (MIBK)	43		10.389				ND	
74 Toluene	92		10.626				ND	
77 trans-1,3-Dichloropropene	75		10.768				ND	
79 1,1,2-Trichloroethane	83		10.946				ND	
80 2-Hexanone	43		11.029				ND	
81 Tetrachloroethene	166		11.077				ND	
83 Chlorodibromomethane	129		11.314				ND	
84 Ethylene Dibromide	107		11.444				ND	
87 Chlorobenzene	112		11.776				ND	
88 Ethylbenzene	91		11.788				ND	
90 m-Xylene & p-Xylene	106		11.871				ND	
91 o-Xylene	106		12.215				ND	
92 Styrene	104		12.227				ND	
94 Isopropylbenzene	105		12.488				ND	
95 Bromoform	173		12.500				ND	
97 1,1,2,2-Tetrachloroethane	83		12.761				ND	
111 1,3-Dichlorobenzene	146		13.709				ND	
113 1,4-Dichlorobenzene	146		13.780				ND	
116 1,2-Dichlorobenzene	146		14.196				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.061				ND	
119 1,2,4-Trichlorobenzene	180		16.105				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

C_8260_IS_00105	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00121	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1728.D

Injection Date: 16-Jan-2018 16:12:30

Instrument ID: HP5973C

Operator ID: RR

Lims ID: 480-129995-A-9

Lab Sample ID: 480-129995-9

Worklist Smp#: 31

Client ID: Rinse Blank

Purge Vol: 5.000 mL

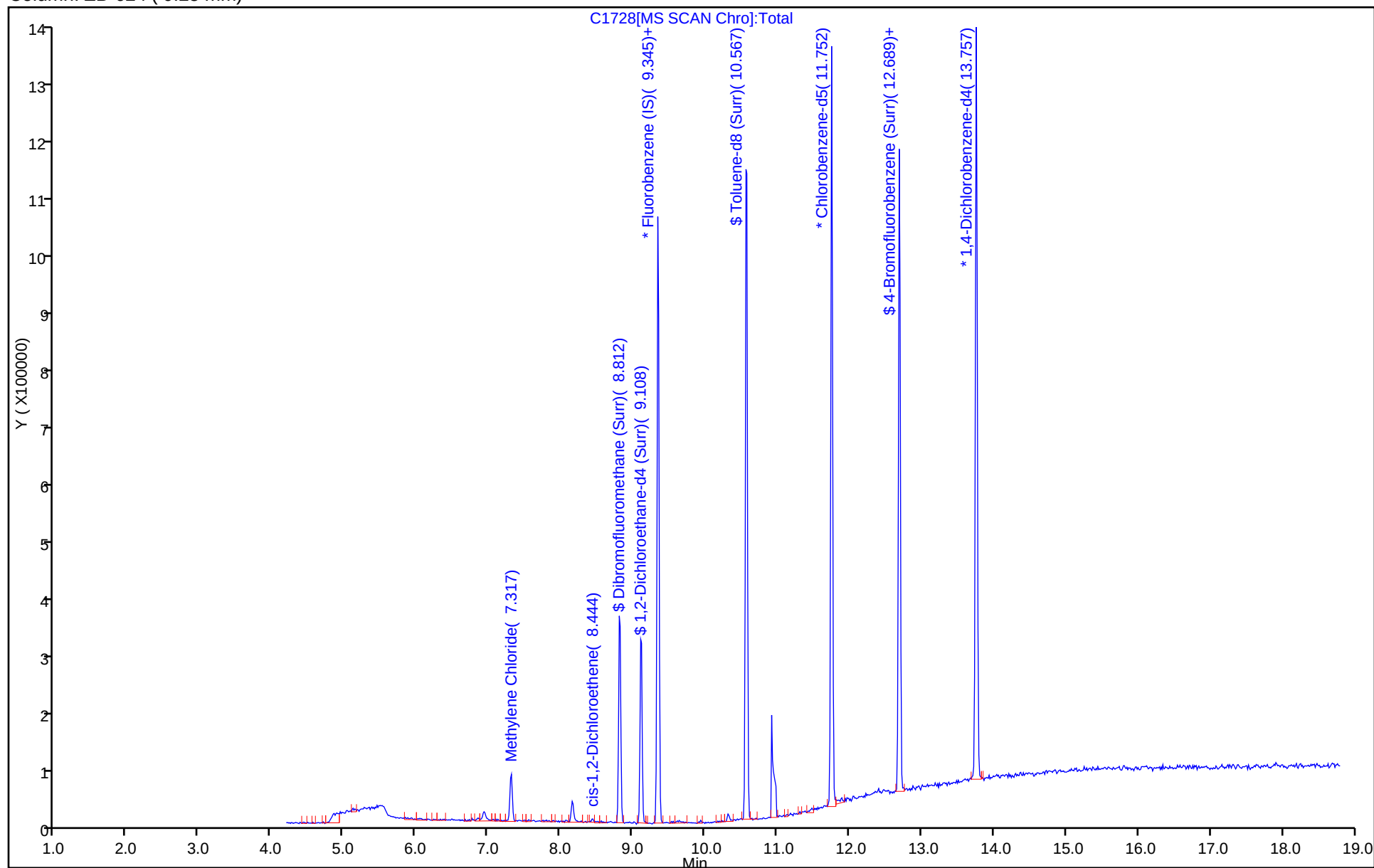
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1728.D

Injection Date: 16-Jan-2018 16:12:30

Instrument ID: HP5973C

Lims ID: 480-129995-A-9

Lab Sample ID: 480-129995-9

Client ID: Rinse Blank

Operator ID: RR

ALS Bottle#: 19

Worklist Smp#: 31

Purge Vol: 5.000 mL

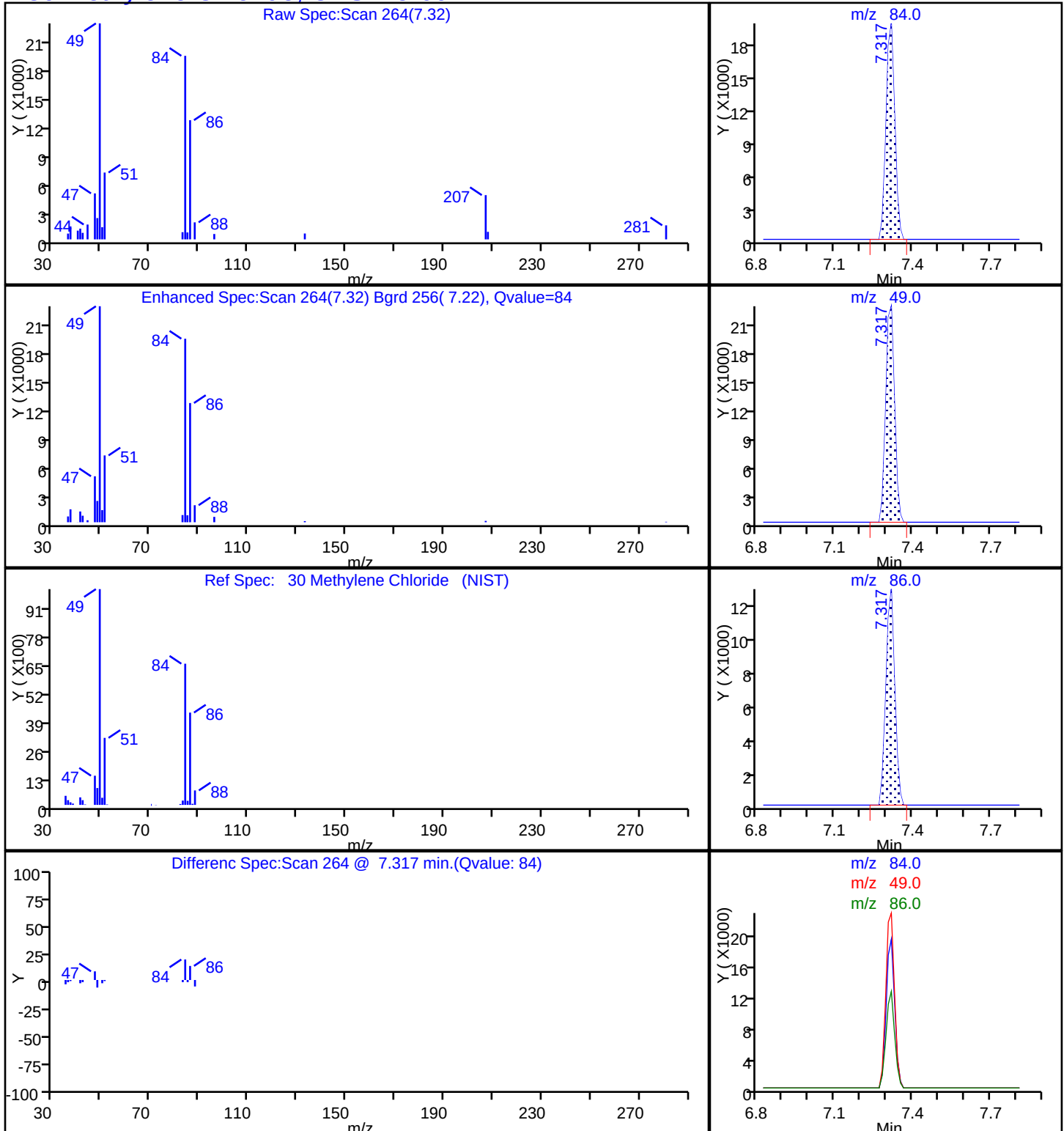
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-16D</u>	Lab Sample ID: <u>480-129995-10</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>95559P.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/08/2018 12:35</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/15/2018 17:09</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395765</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	4.1		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
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	0.21	J	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
75-00-3	Chloroethane	160	E	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	4.1		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
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: MW-16D Lab Sample ID: 480-129995-10
 Matrix: Ground Water Lab File ID: 95559P.D
 Analysis Method: 8260C Date Collected: 01/08/2018 12:35
 Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 17:09
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 395765 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	0.55	J	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	0.90	J	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	9.0		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
2037-26-5	Toluene-d8 (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	115		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95559P.D
 Lims ID: 480-129995-A-10
 Client ID: MW-16D
 Sample Type: Client
 Inject. Date: 15-Jan-2018 17:09:30 ALS Bottle#: 100 Worklist Smp#: 24
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-129995-a-10
 Misc. Info.: 480-0068571-024
 Operator ID: RB Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 10:54:43 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: baroner

Date: 16-Jan-2018 10:54:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.421	10.421	0.000	97	154907	25.0	
* 2 Chlorobenzene-d5	82	14.376	14.376	0.000	92	385233	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.332	17.332	0.000	94	460268	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.624	9.630	0.000	93	242820	28.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.075	10.075	0.000	0	149239	26.9	
\$ 5 Toluene-d8 (Surr)	98	12.417	12.417	0.000	95	847840	23.6	
\$ 6 4-Bromofluorobenzene (Surr	174	15.872	15.872	0.000	94	306727	24.1	
10 Dichlorodifluoromethane	85		4.326				ND	
11 Chloromethane	50		4.745				ND	
17 Vinyl chloride	62	4.934	4.970	-0.012	96	136356	9.00	
12 Bromomethane	94		5.585				ND	
13 Chloroethane	64	5.719	5.713	0.006	92	1311186	160.4	E
14 Trichlorofluoromethane	101		6.065				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.735				ND	
25 1,1-Dichloroethene	96		6.820				ND	
24 Acetone	43	6.887	6.887	0.006	34	9091	0.9750	7
27 Carbon disulfide	76		7.227				ND	
30 Methyl acetate	43		7.246				ND	
31 Methylene Chloride	84		7.471				ND	
32 Methyl tert-butyl ether	73		7.684				ND	
35 trans-1,2-Dichloroethene	96	7.775	7.775	0.006	92	9260	0.9005	M
40 1,1-Dichloroethane	63	8.329	8.335	-0.006	96	103863	4.12	
44 2-Butanone (MEK)	43		9.010				ND	
43 cis-1,2-Dichloroethene	96	9.046	9.053	0.006	85	50358	4.14	
49 Chloroform	83		9.411				ND	
52 1,1,1-Trichloroethane	97		9.637				ND	
54 Cyclohexane	56		9.691				ND	
55 Carbon tetrachloride	117		9.837				ND	
57 Benzene	78		10.117				ND	
60 1,2-Dichloroethane	62	10.178	10.178	0.000	2	4629	0.2148	
62 Trichloroethene	95		10.878				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		11.072				ND	
63 1,2-Dichloropropane	63		11.218				ND	
70 Dichlorobromomethane	83		11.553				ND	
73 cis-1,3-Dichloropropene	75		12.088				ND	
75 4-Methyl-2-pentanone (MIBK)	43		12.192				ND	
76 Toluene	92	12.508	12.508	0.000	95	16396	0.5503	
78 trans-1,3-Dichloropropene	75		12.800				ND	
79 1,1,2-Trichloroethane	83		13.086				ND	
80 Tetrachloroethene	166		13.232				ND	
83 2-Hexanone	43		13.275				ND	
81 Chlorodibromomethane	129		13.664				ND	
85 Ethylene Dibromide	107		13.859				ND	
87 Chlorobenzene	112		14.418				ND	
89 Ethylbenzene	91		14.461				ND	
90 m-Xylene & p-Xylene	106		14.595				ND	
93 o-Xylene	106		15.148				ND	
94 Styrene	104		15.173				ND	
92 Bromoform	173		15.562				ND	
95 Isopropylbenzene	105		15.574				ND	
97 1,1,2,2-Tetrachloroethane	83		16.043				ND	
110 1,3-Dichlorobenzene	146		17.259				ND	
111 1,4-Dichlorobenzene	146		17.363				ND	
116 1,2-Dichlorobenzene	146		17.862				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.914				ND	
119 1,2,4-Trichlorobenzene	180		20.015				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

P 8260 IS_00280

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00261

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95559P.D

Injection Date: 15-Jan-2018 17:09:30

Instrument ID: HP5973P

Operator ID: RB

Lims ID: 480-129995-A-10

Lab Sample ID: 480-129995-10

Worklist Smp#: 24

Client ID: MW-16D

Purge Vol: 5.000 mL

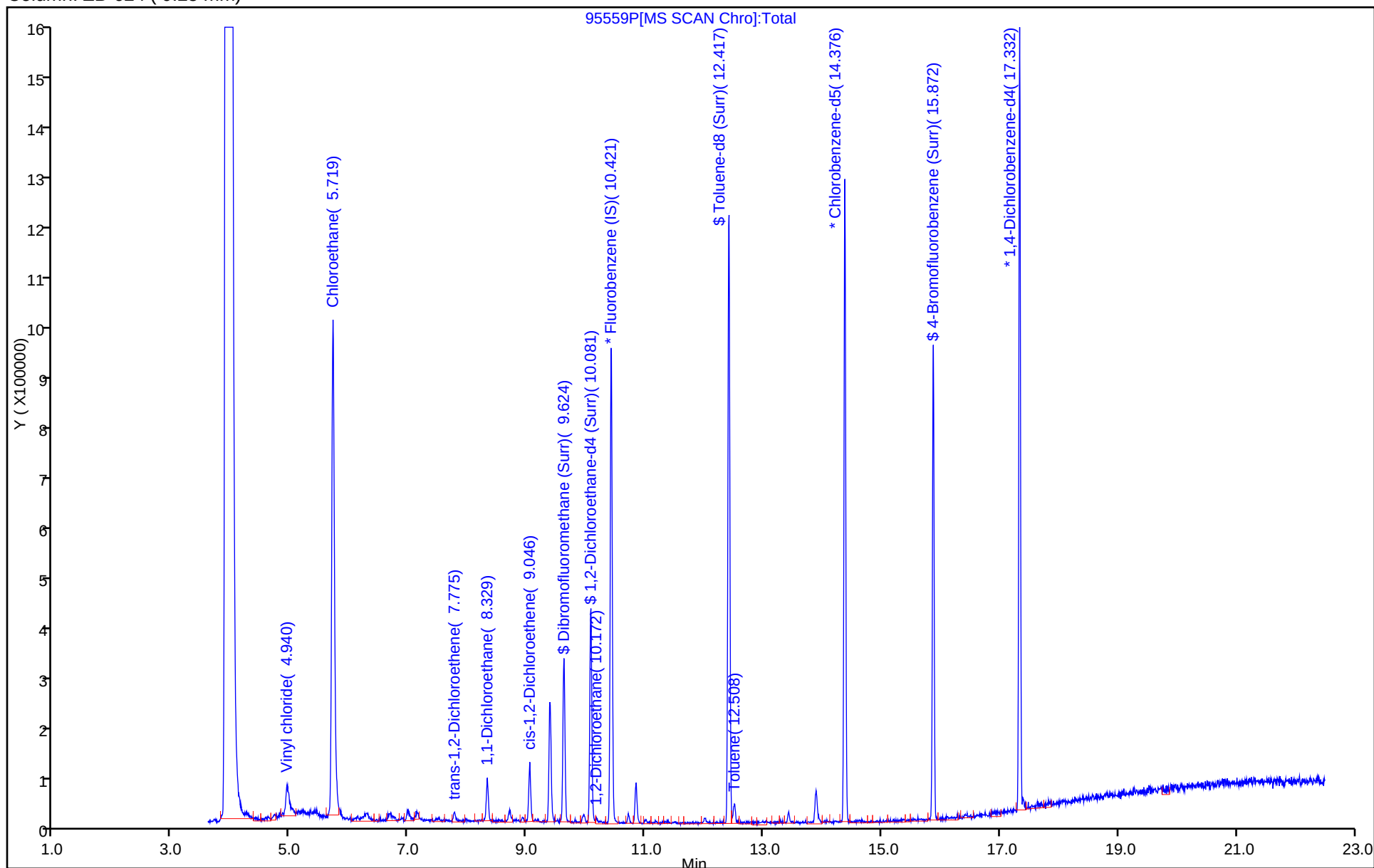
Dil. Factor: 1.0000

ALS Bottle#: 100

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95559P.D

Injection Date: 15-Jan-2018 17:09:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-10

Lab Sample ID: 480-129995-10

Client ID: MW-16D

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 24

Purge Vol: 5.000 mL

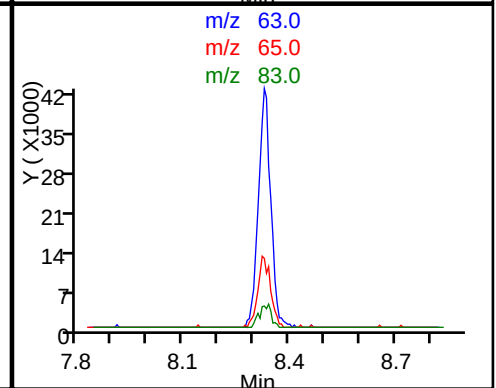
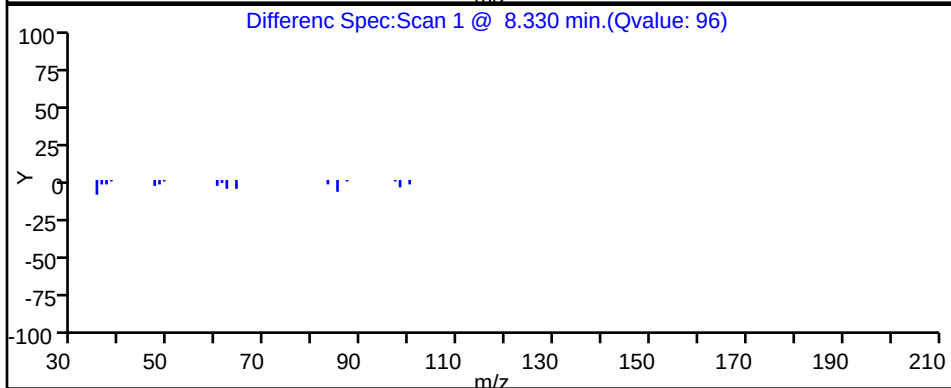
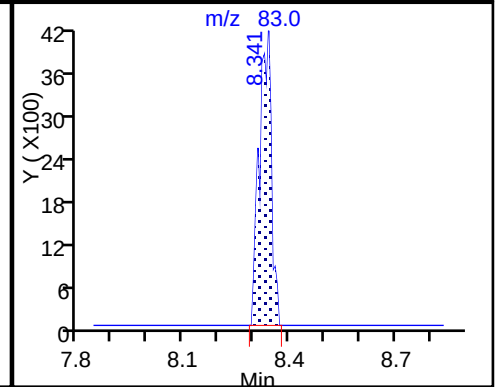
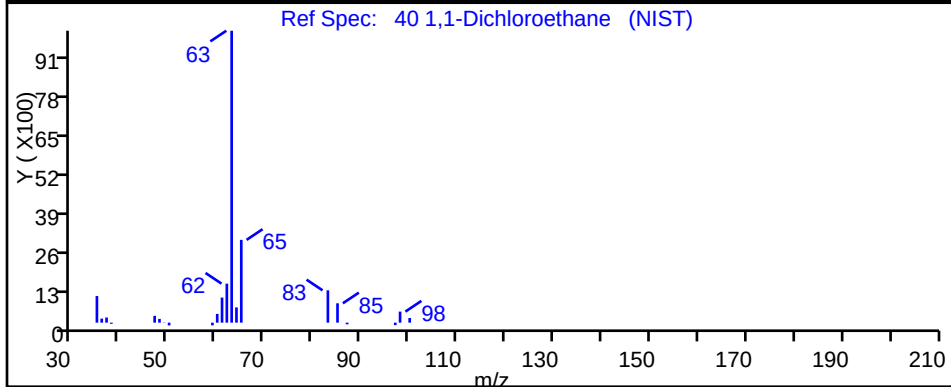
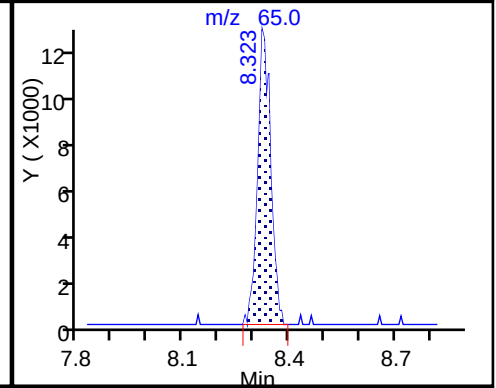
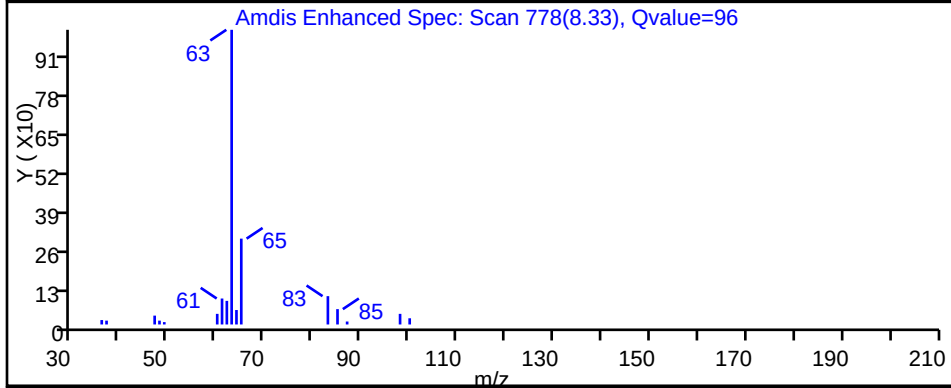
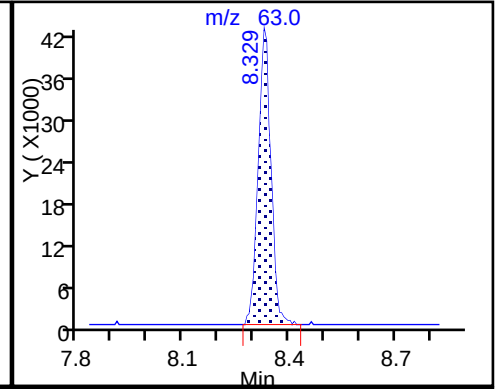
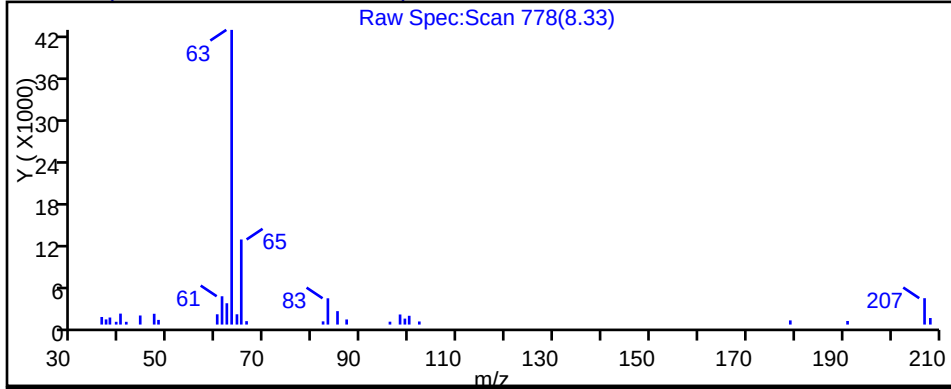
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

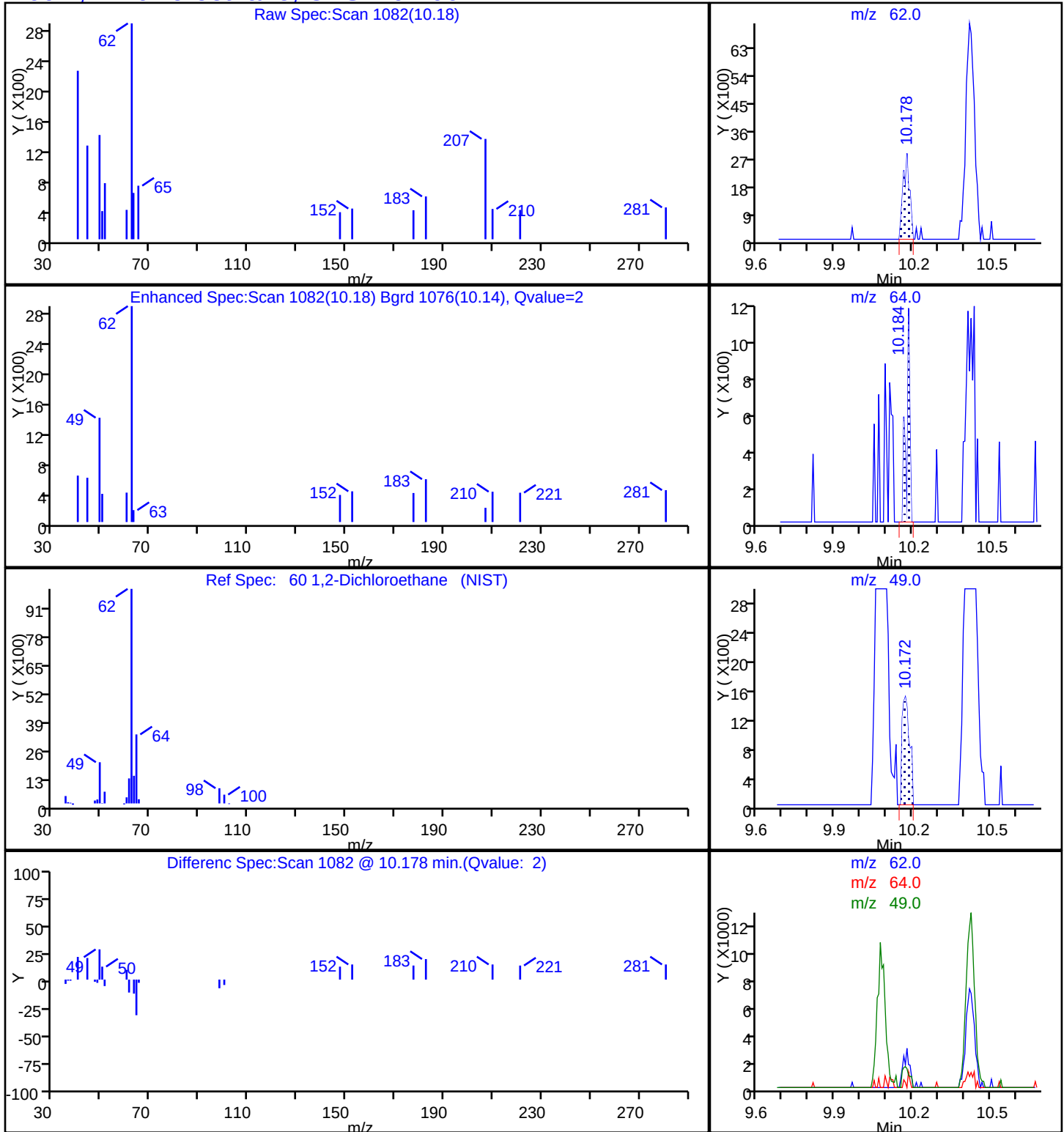
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

40 1,1-Dichloroethane, CAS: 75-34-3

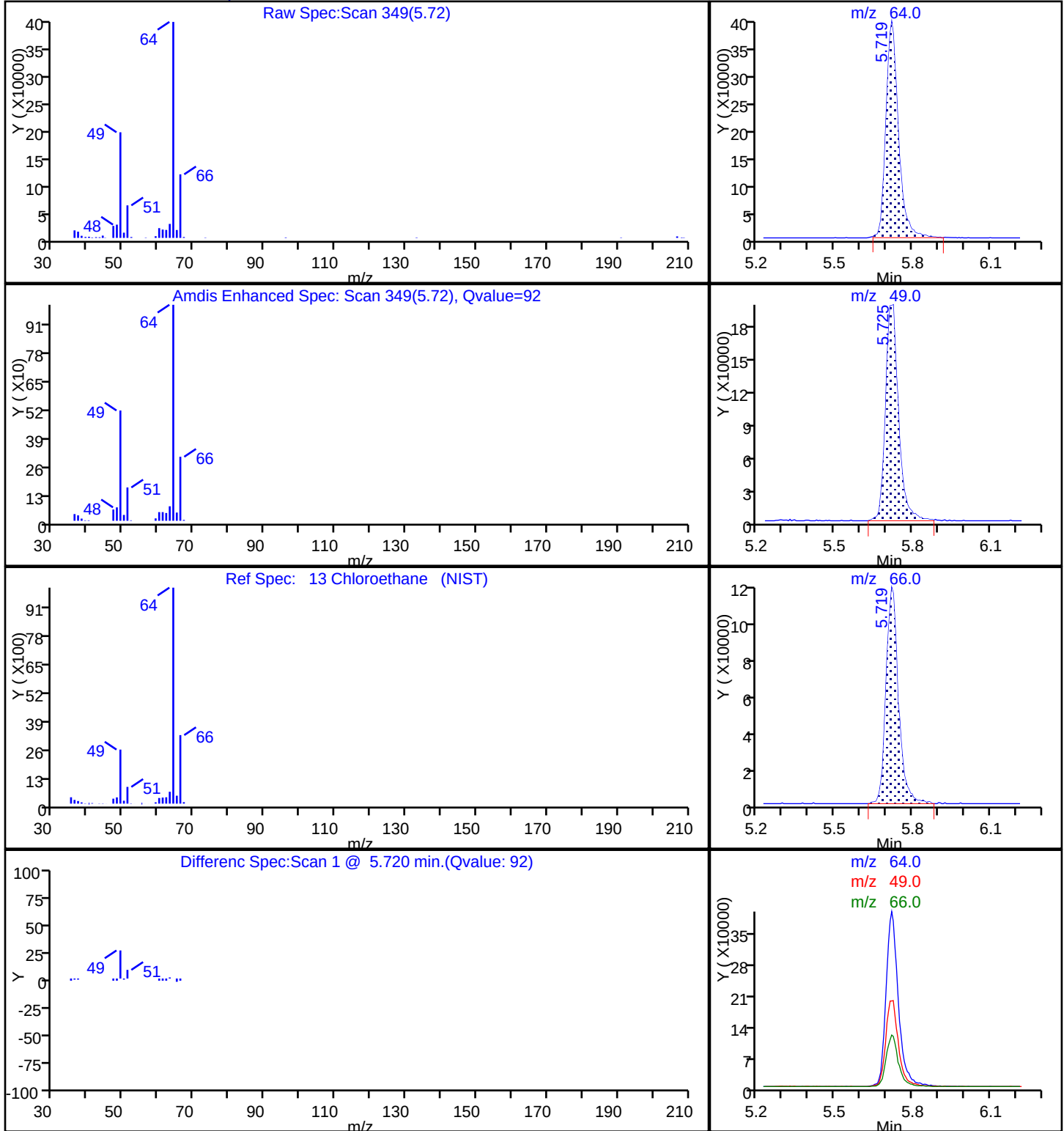
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95559P.D
Injection Date: 15-Jan-2018 17:09:30 Instrument ID: HP5973P
Lims ID: 480-129995-A-10 Lab Sample ID: 480-129995-10
Client ID: MW-16D
Operator ID: RB ALS Bottle#: 100 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

60 1,2-Dichloroethane, CAS: 107-06-2

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95559P.D
Injection Date: 15-Jan-2018 17:09:30 Instrument ID: HP5973P
Lims ID: 480-129995-A-10 Lab Sample ID: 480-129995-10
Client ID: MW-16D
Operator ID: RB ALS Bottle#: 100 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

13 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95559P.D

Injection Date: 15-Jan-2018 17:09:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-10

Lab Sample ID: 480-129995-10

Client ID: MW-16D

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 24

Purge Vol: 5.000 mL

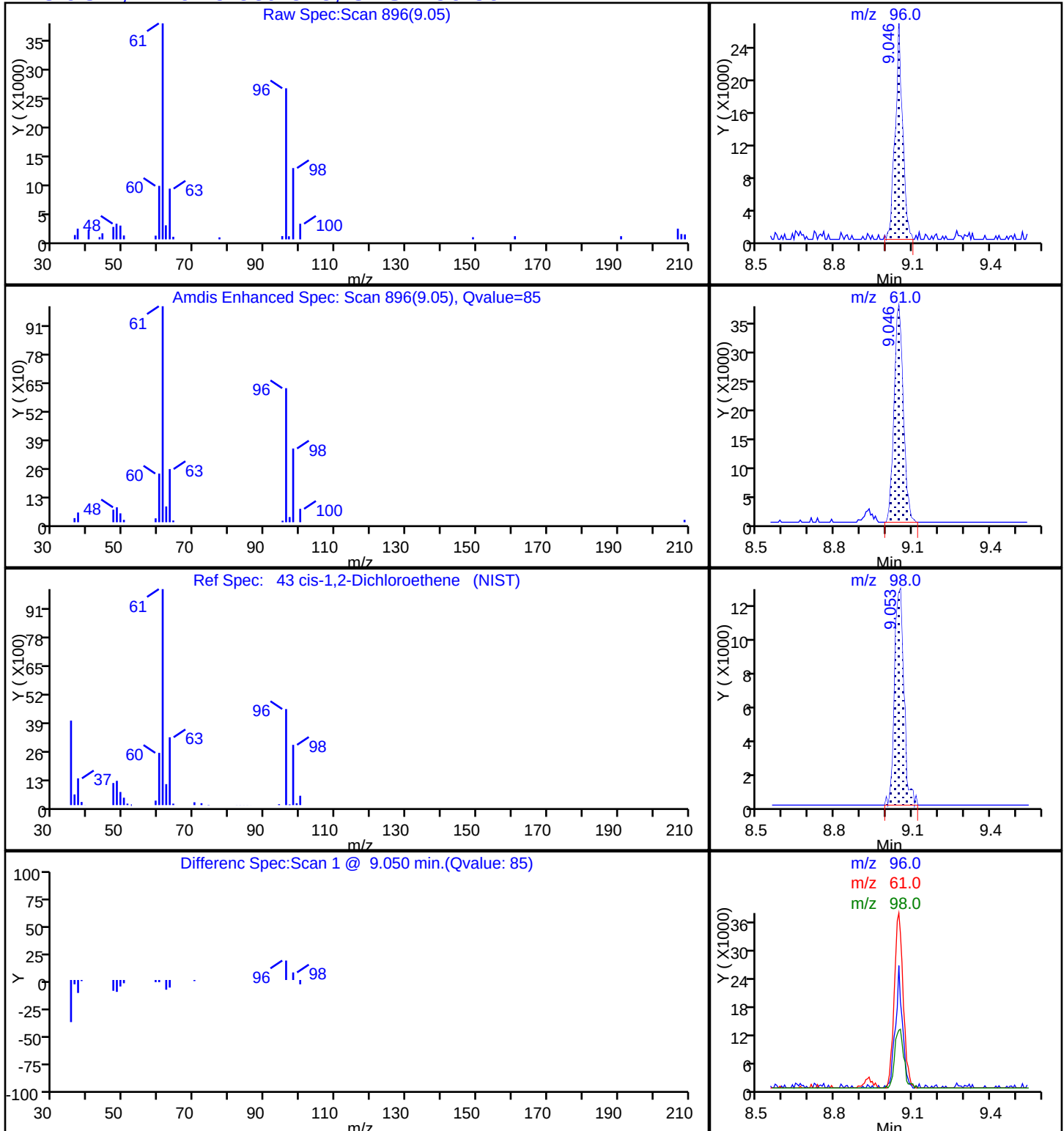
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

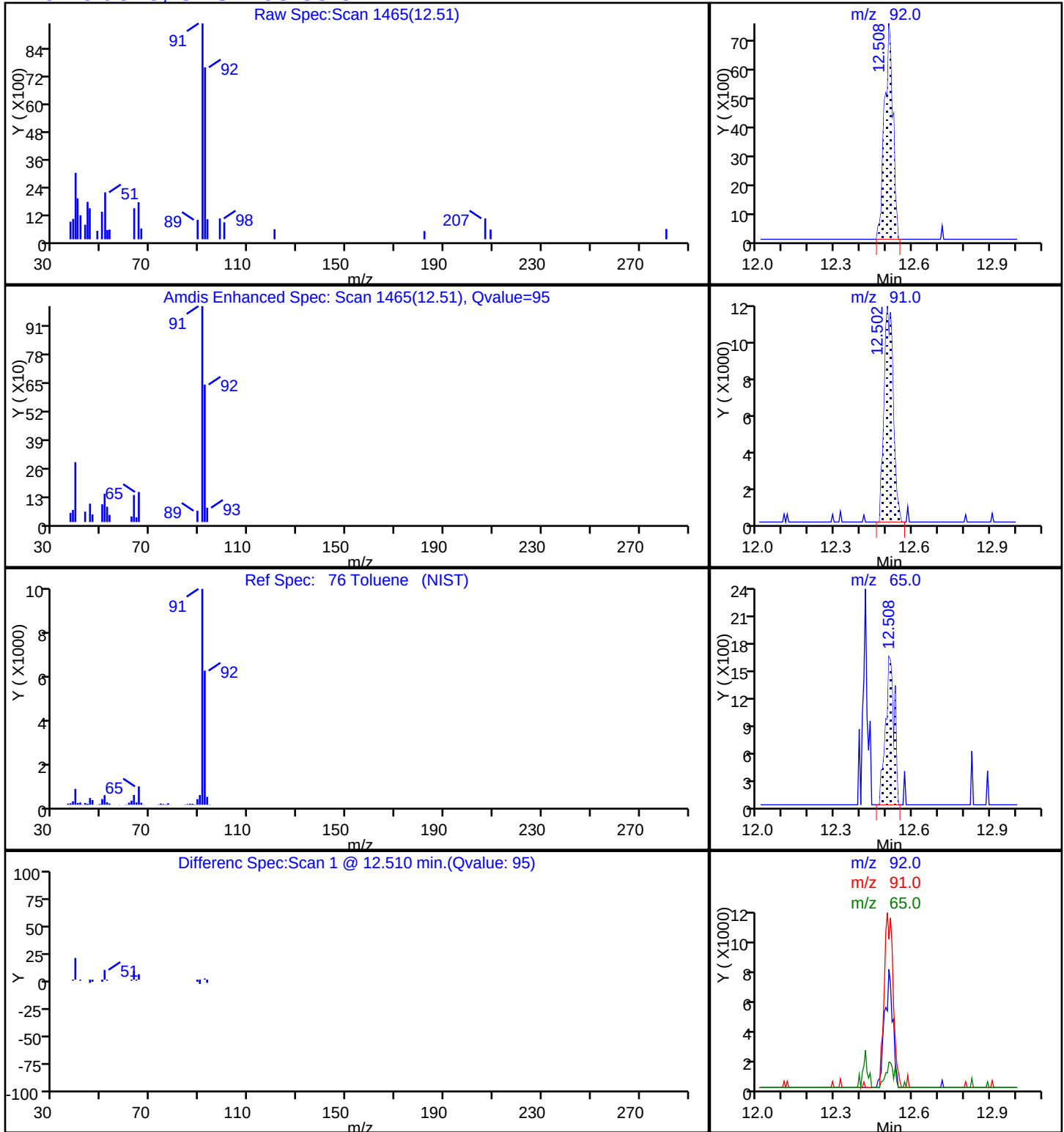
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95559P.D
Injection Date: 15-Jan-2018 17:09:30 Instrument ID: HP5973P
Lims ID: 480-129995-A-10 Lab Sample ID: 480-129995-10
Client ID: MW-16D
Operator ID: RB ALS Bottle#: 100 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

76 Toluene, CAS: 108-88-3

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20180115-68571.b\\95559P.D

Injection Date: 15-Jan-2018 17:09:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-10

Lab Sample ID: 480-129995-10

Client ID: MW-16D

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 24

Purge Vol: 5.000 mL

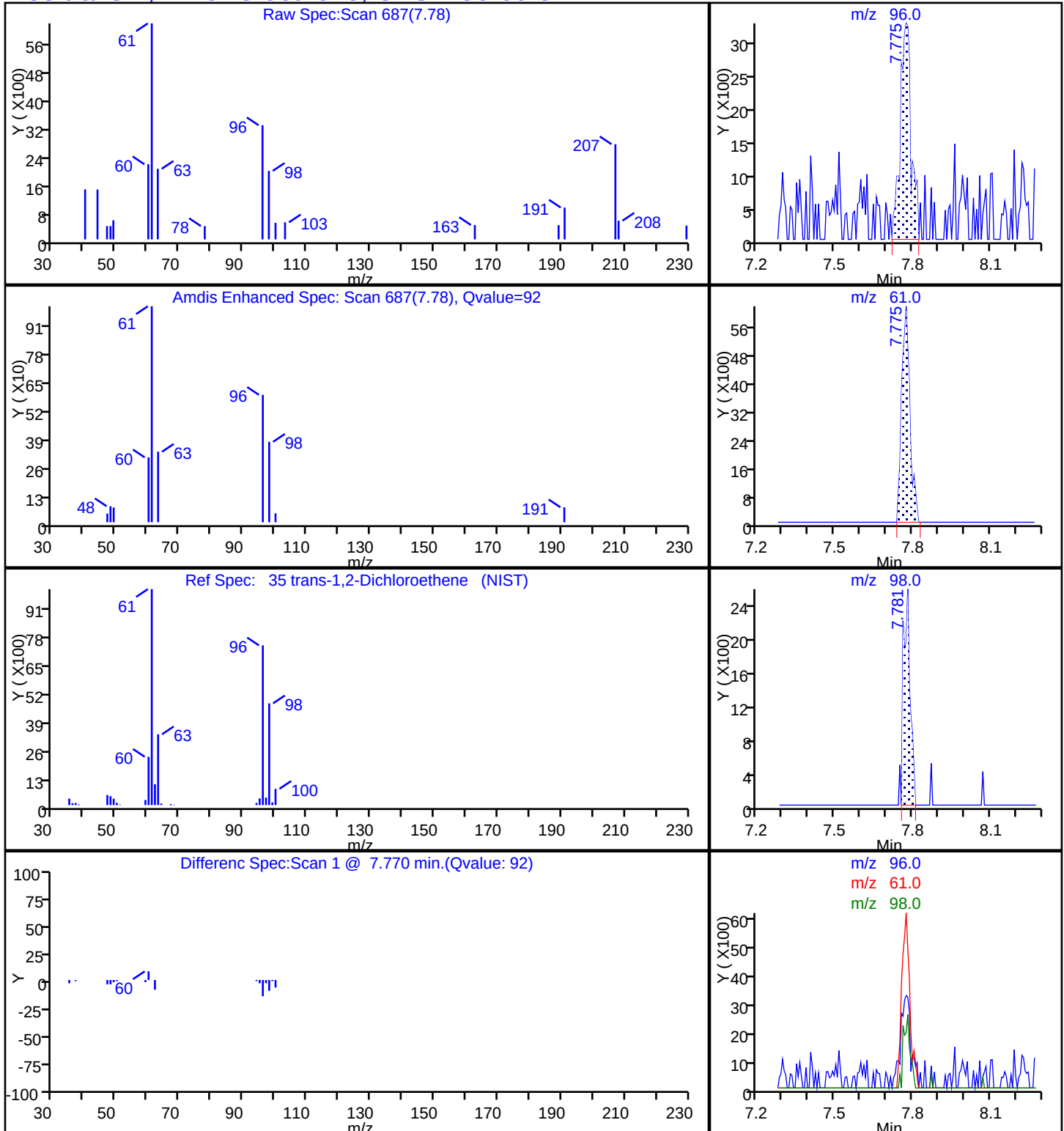
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95559P.D

Injection Date: 15-Jan-2018 17:09:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-10

Lab Sample ID: 480-129995-10

Client ID: MW-16D

Operator ID: RB

ALS Bottle#: 100

Worklist Smp#: 24

Purge Vol: 5.000 mL

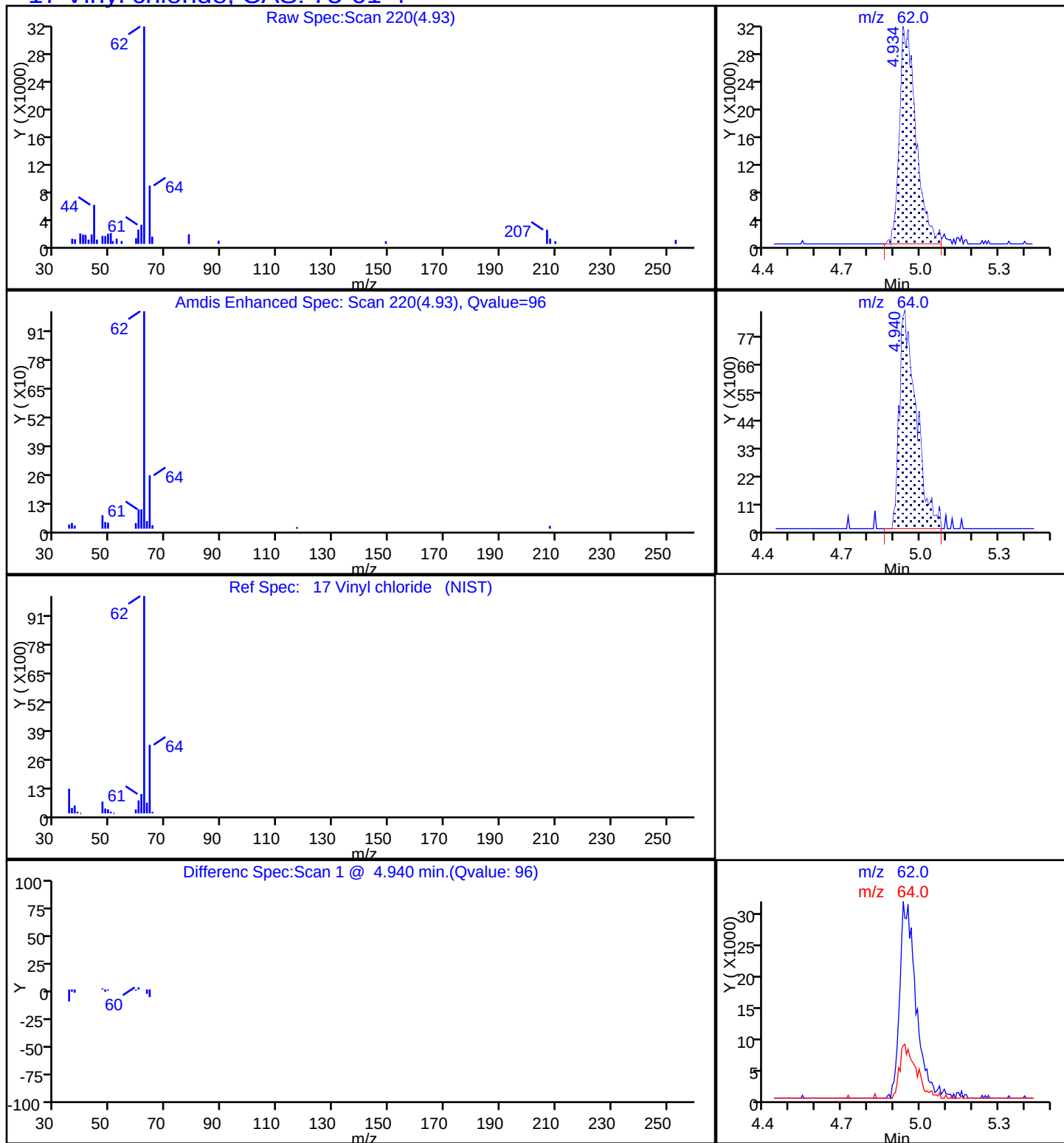
Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

17 Vinyl chloride, CAS: 75-01-4

TestAmerica Buffalo

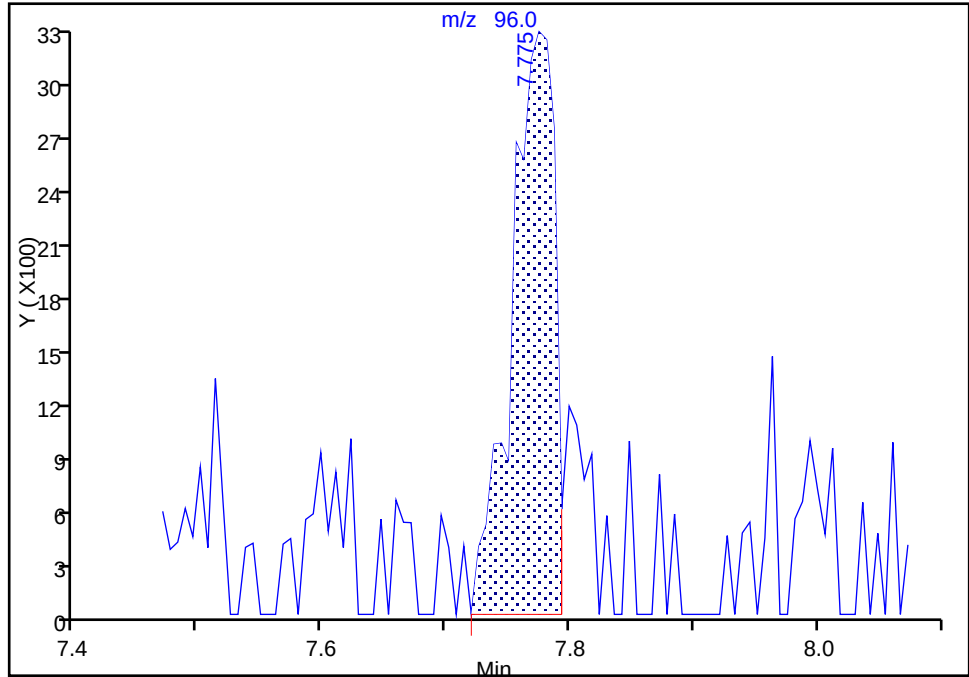
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Injection Date:	15-Jan-2018 17:09:30	Instrument ID:	HP5973P
Lims ID:	480-129995-A-10	Lab Sample ID:	480-129995-10
Client ID:	MW-16D		
Operator ID:	RB	ALS Bottle#:	100
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	P-8260H2O	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	24

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

Signal: 1

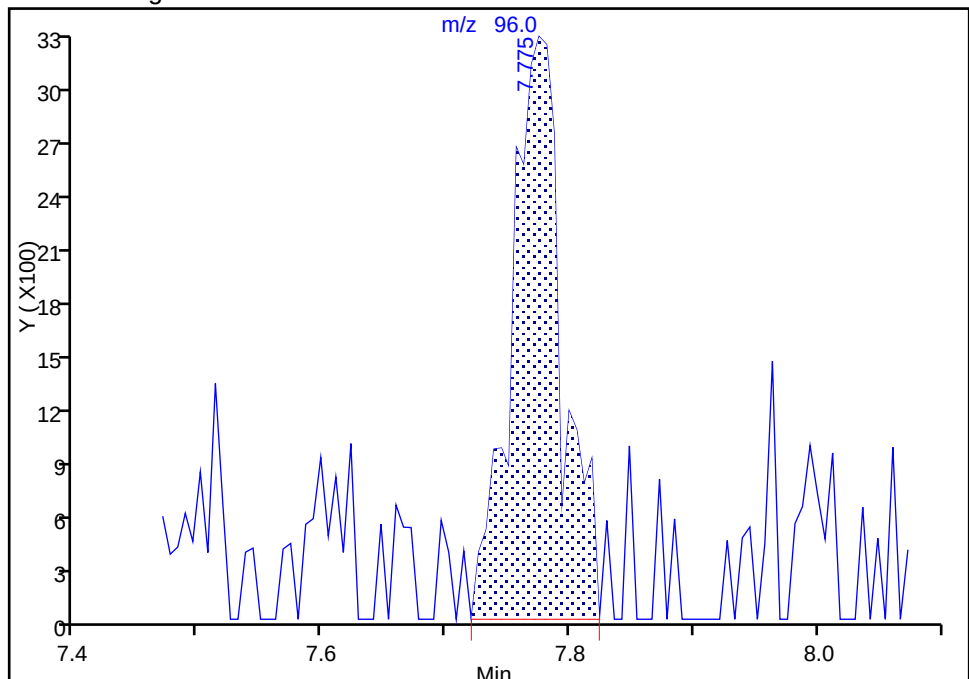
RT: 7.78
Area: 7858
Amount: 0.764124
Amount Units: ug/L

Processing Integration Results



RT: 7.78
Area: 9260
Amount: 0.900456
Amount Units: ug/L

Manual Integration Results



Reviewer: baroner, 16-Jan-2018 10:54:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-16D DL</u>	Lab Sample ID: <u>480-129995-10 DL</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>T3873.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/08/2018 12:35</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/16/2018 13:33</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>4</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395914</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.0	3.3
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.0	0.84
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2
79-00-5	1,1,2-Trichloroethane	ND		4.0	0.92
75-34-3	1,1-Dichloroethane	5.2		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
106-93-4	1,2-Dibromoethane	ND		4.0	2.9
95-50-1	1,2-Dichlorobenzene	ND		4.0	3.2
107-06-2	1,2-Dichloroethane	ND		4.0	0.84
78-87-5	1,2-Dichloropropane	ND		4.0	2.9
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	19	J	40	12
71-43-2	Benzene	ND		4.0	1.6
75-27-4	Bromodichloromethane	ND		4.0	1.6
75-25-2	Bromoform	ND		4.0	1.0
74-83-9	Bromomethane	ND		4.0	2.8
75-15-0	Carbon disulfide	ND		4.0	0.76
56-23-5	Carbon tetrachloride	ND		4.0	1.1
108-90-7	Chlorobenzene	ND		4.0	3.0
75-00-3	Chloroethane	110		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	4.4		4.0	3.2
10061-01-5	cis-1,3-Dichloropropene	ND		4.0	1.4
110-82-7	Cyclohexane	ND		4.0	0.72
124-48-1	Dibromochloromethane	ND		4.0	1.3
75-71-8	Dichlorodifluoromethane	ND		4.0	2.7
100-41-4	Ethylbenzene	ND		4.0	3.0
98-82-8	Isopropylbenzene	ND		4.0	3.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: MW-16D DL Lab Sample ID: 480-129995-10 DL

Matrix: Ground Water Lab File ID: T3873.D

Analysis Method: 8260C Date Collected: 01/08/2018 12:35

Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 13:33

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.: 395914 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	37		4.0	1.8
100-42-5	Styrene	ND		4.0	2.9
127-18-4	Tetrachloroethene	ND		4.0	1.4
108-88-3	Toluene	ND		4.0	2.0
156-60-5	trans-1,2-Dichloroethene	ND		4.0	3.6
10061-02-6	trans-1,3-Dichloropropene	ND		4.0	1.5
79-01-6	Trichloroethene	ND		4.0	1.8
75-69-4	Trichlorofluoromethane	ND		4.0	3.5
75-01-4	Vinyl chloride	8.3		4.0	3.6
1330-20-7	Xylenes, Total	ND		8.0	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3873.D
 Lims ID: 480-129995-B-10
 Client ID: MW-16D
 Sample Type: Client
 Inject. Date: 16-Jan-2018 13:33:30 ALS Bottle#: 15 Worklist Smp#: 27
 Purge Vol: 5.000 mL Dil. Factor: 4.0000
 Sample Info: 480-129995-b-10
 Misc. Info.: 480-0068593-027
 Operator ID: RR Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 16:23:07 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK031

First Level Reviewer: nowakk

Date: 16-Jan-2018 16:23:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.869	4.869	0.000	98	143257	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	88	574464	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	97	312348	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.403	4.403	0.000	92	185952	25.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.652	4.652	0.000	0	225879	24.7	
\$ 6 Toluene-d8 (Surr)	98	6.040	6.040	0.000	95	650418	25.1	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.000	88	215824	25.8	
11 Dichlorodifluoromethane	85		1.242				ND	
13 Chloromethane	50		1.408				ND	
14 Vinyl chloride	62	1.481	1.491	-0.010	98	22602	2.08	
15 Bromomethane	94		1.792				ND	
16 Chloroethane	64	1.843	1.854	-0.011	97	163949	27.5	
17 Trichlorofluoromethane	101		2.061				ND	
22 1,1-Dichloroethene	96		2.517				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.527				ND	
23 Acetone	43	2.620	2.631	-0.011	100	12682	4.81	
25 Carbon disulfide	76		2.704				ND	
28 Methyl acetate	43		2.900				ND	
30 Methylene Chloride	84	2.983	2.994	-0.011	95	79859	9.32	
33 Methyl tert-butyl ether	73		3.170				ND	
32 trans-1,2-Dichloroethene	96	3.180	3.191	-0.011	94	1494	0.1952	
36 1,1-Dichloroethane	63	3.553	3.553	0.000	96	19410	1.31	
43 cis-1,2-Dichloroethene	96	4.019	4.019	-0.001	69	9807	1.10	
44 2-Butanone (MEK)	43		4.051				ND	
50 Chloroform	83		4.279				ND	
51 1,1,1-Trichloroethane	97		4.372				ND	
52 Cyclohexane	56		4.382				ND	
53 Carbon tetrachloride	117		4.486				ND	
55 Benzene	78		4.662				ND	
57 1,2-Dichloroethane	62	4.714	4.714	0.000	1	1539	0.1180	
60 Trichloroethene	95		5.139				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.232				ND	
63 1,2-Dichloropropane	63		5.336				ND	
67 Dichlorobromomethane	83		5.553				ND	
71 cis-1,3-Dichloropropene	75		5.875				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.978				ND	
73 Toluene	92	6.092	6.092	0.000	97	4193	0.2223	
75 trans-1,3-Dichloropropene	75		6.310				ND	
78 1,1,2-Trichloroethane	83		6.455				ND	
79 Tetrachloroethene	166		6.496				ND	
81 2-Hexanone	43		6.621				ND	
82 Chlorodibromomethane	129		6.755				ND	
83 Ethylene Dibromide	107		6.838				ND	
86 Chlorobenzene	112		7.191				ND	
88 Ethylbenzene	91		7.253				ND	
90 m-Xylene & p-Xylene	106		7.346				ND	
91 o-Xylene	106		7.667				ND	
92 Styrene	104		7.688				ND	
93 Bromoform	173		7.885				ND	
95 Isopropylbenzene	105		7.947				ND	
98 1,1,2,2-Tetrachloroethane	83		8.258				ND	
110 1,3-Dichlorobenzene	146		8.984				ND	
113 1,4-Dichlorobenzene	146		9.056				ND	
116 1,2-Dichlorobenzene	146		9.367				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.041				ND	
119 1,2,4-Trichlorobenzene	180		10.693				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_IS_00184	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_Surr_00165	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3873.D

Injection Date: 16-Jan-2018 13:33:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: 480-129995-B-10

Lab Sample ID: 480-129995-10

Worklist Smp#: 27

Client ID: MW-16D

Purge Vol: 5.000 mL

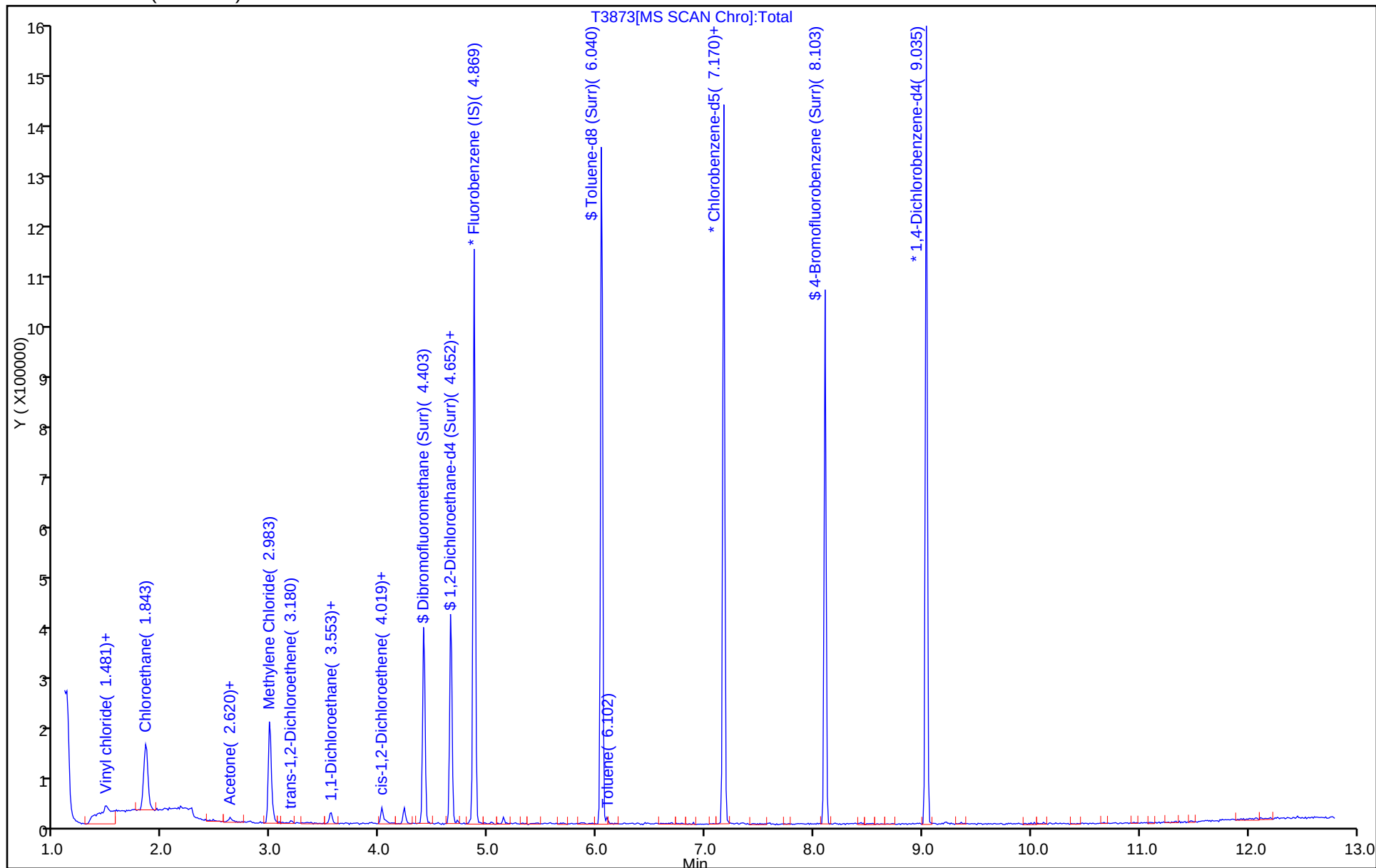
Dil. Factor: 4.0000

ALS Bottle#: 15

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3873.D

Injection Date: 16-Jan-2018 13:33:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-10

Lab Sample ID: 480-129995-10

Client ID: MW-16D

Operator ID: RR

ALS Bottle#: 15

Worklist Smp#: 27

Purge Vol: 5.000 mL

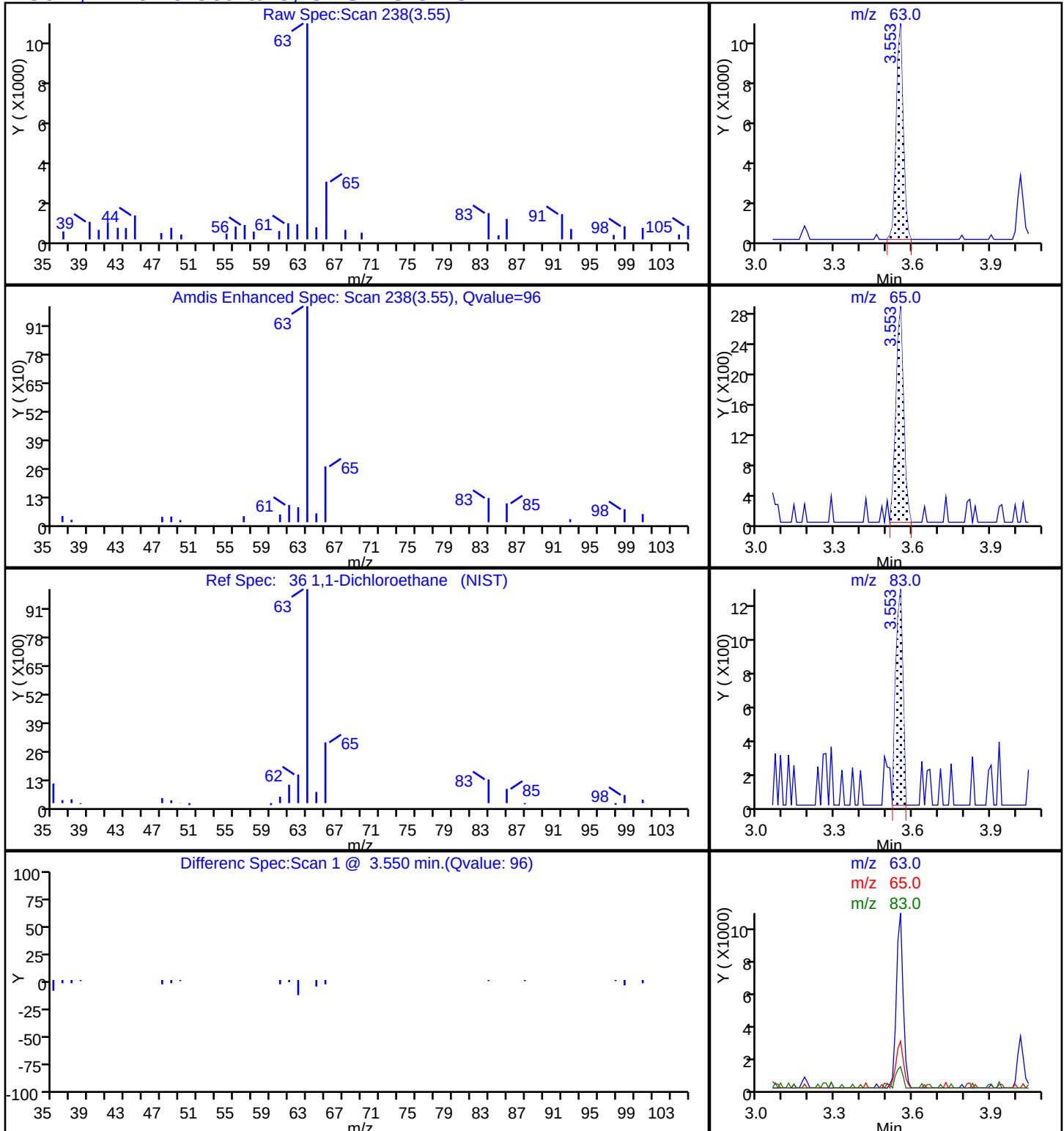
Dil. Factor: 4.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3873.D

Injection Date: 16-Jan-2018 13:33:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-10

Lab Sample ID: 480-129995-10

Client ID: MW-16D

Operator ID: RR

ALS Bottle#: 15

Worklist Smp#: 27

Purge Vol: 5.000 mL

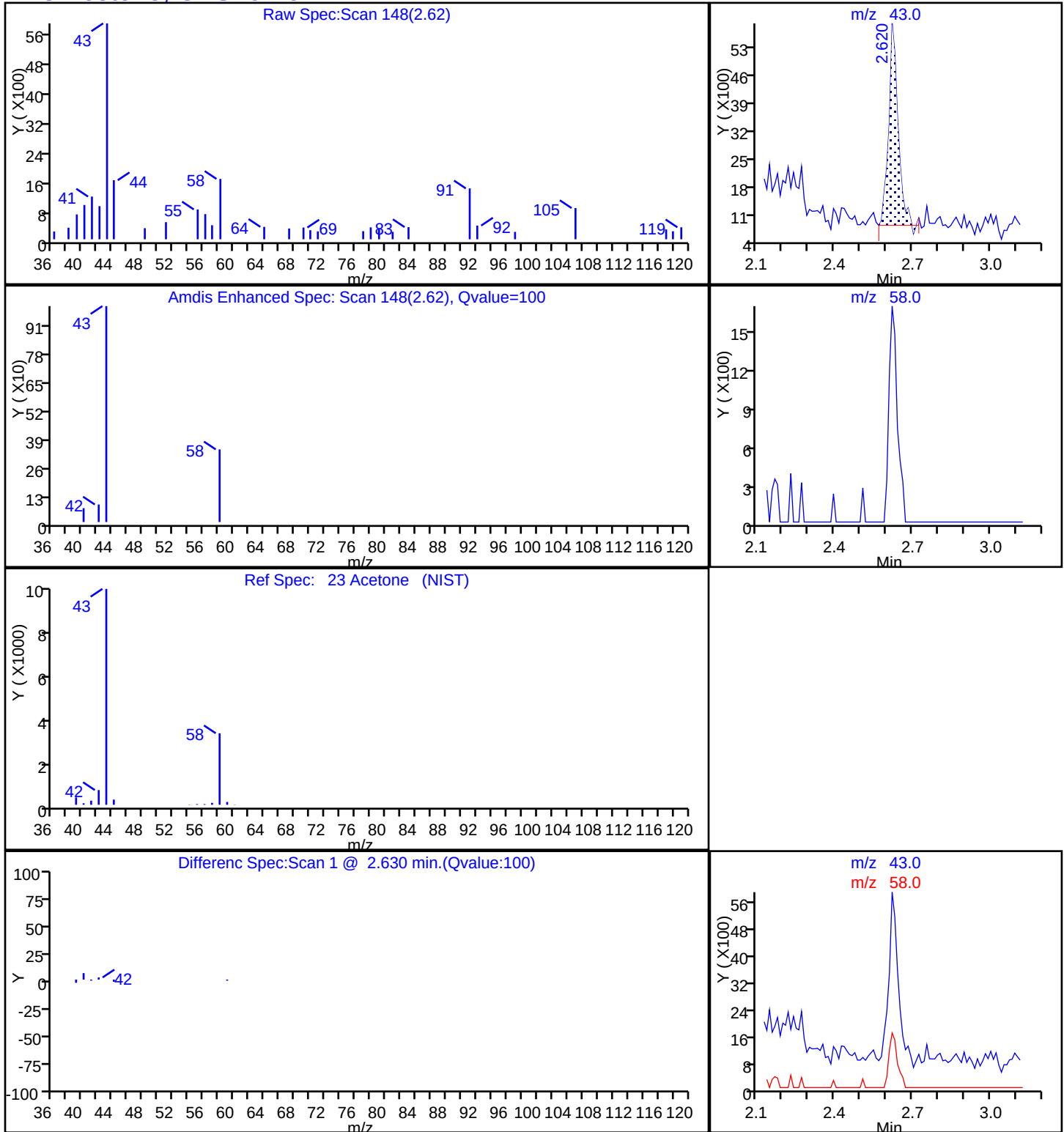
Dil. Factor: 4.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3873.D

Injection Date: 16-Jan-2018 13:33:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-10

Lab Sample ID: 480-129995-10

Client ID: MW-16D

Operator ID: RR

ALS Bottle#: 15

Worklist Smp#: 27

Purge Vol: 5.000 mL

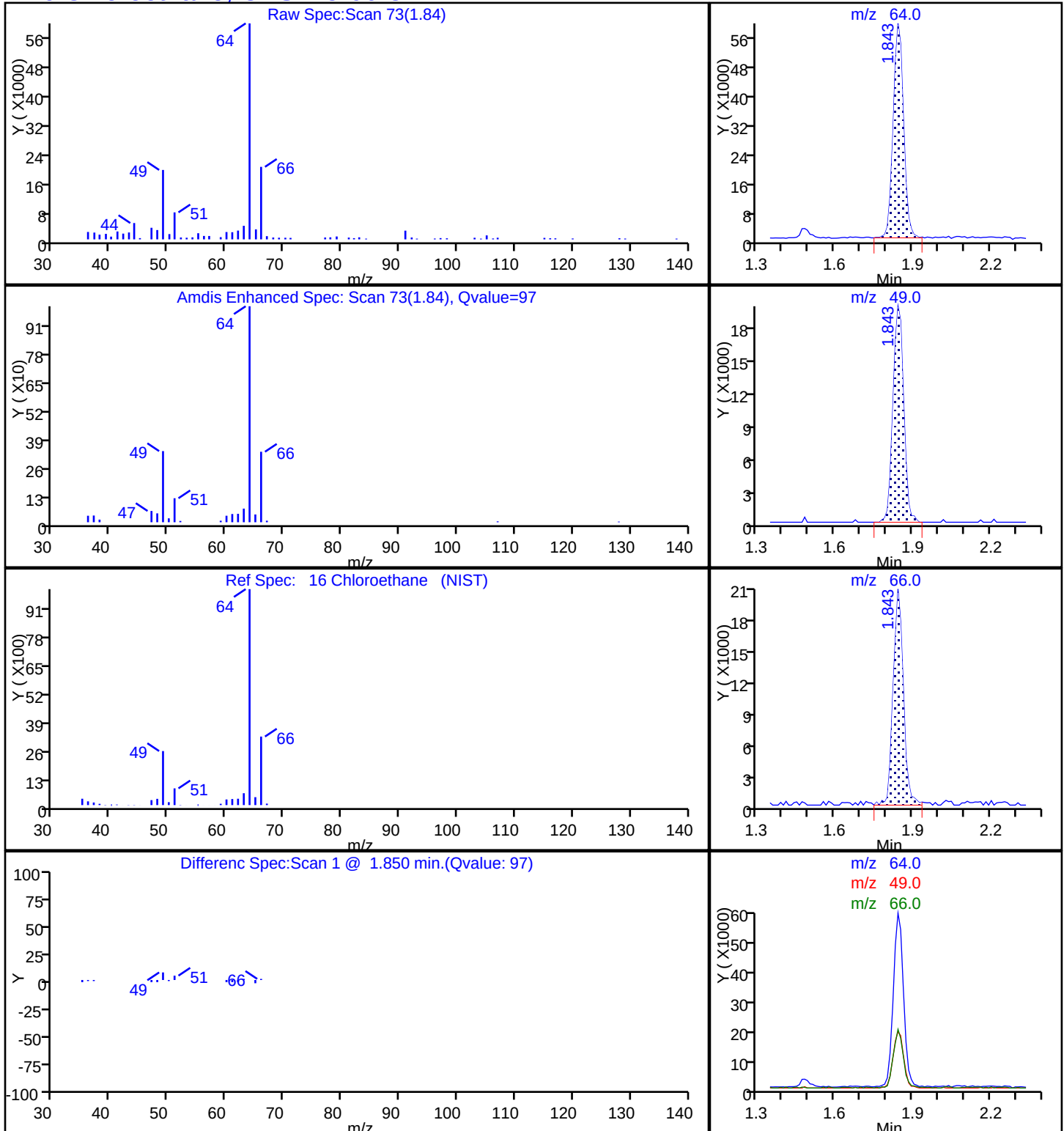
Dil. Factor: 4.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3873.D

Injection Date: 16-Jan-2018 13:33:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-10

Lab Sample ID: 480-129995-10

Client ID: MW-16D

Operator ID: RR

ALS Bottle#: 15

Worklist Smp#: 27

Purge Vol: 5.000 mL

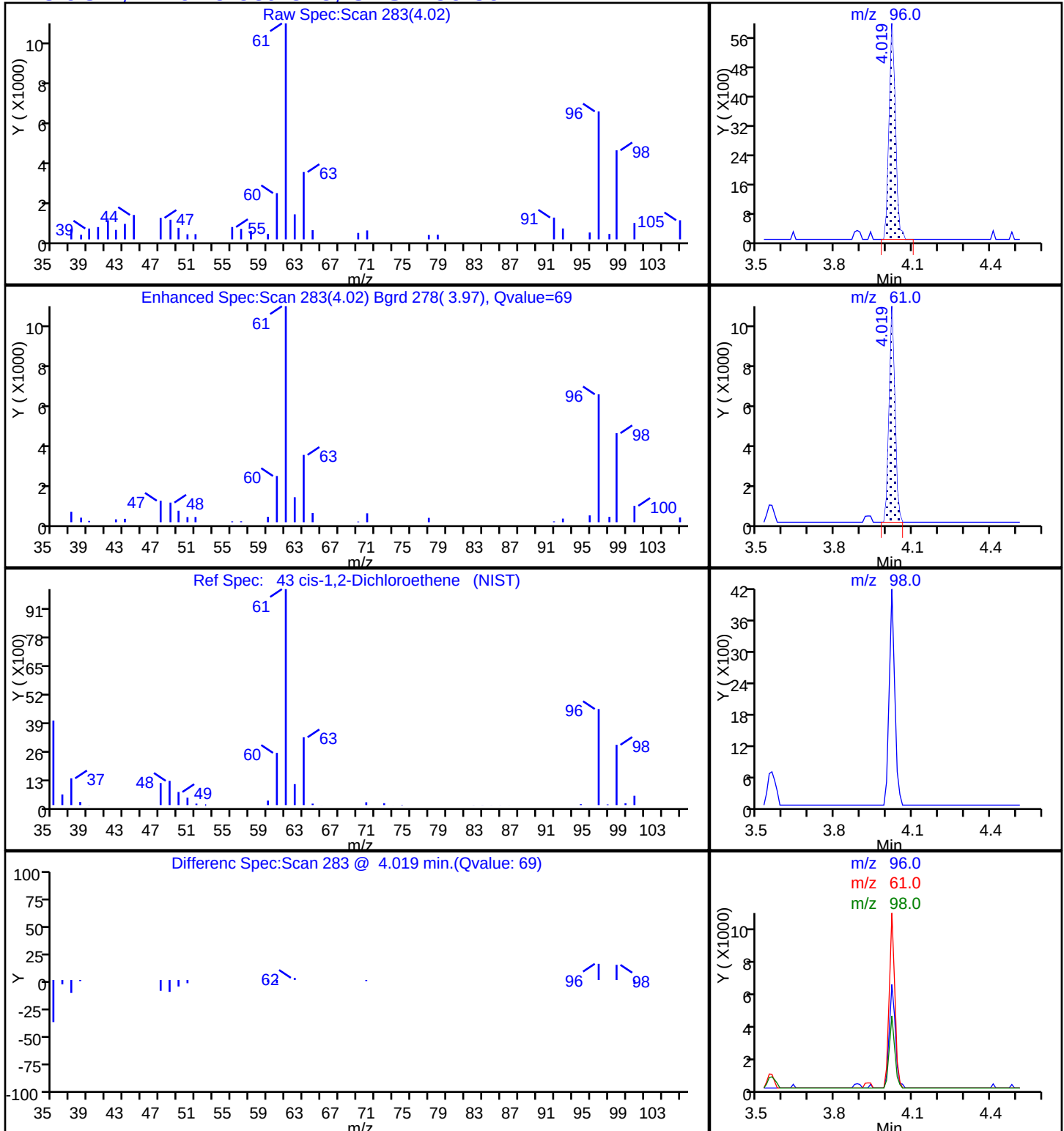
Dil. Factor: 4.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3873.D

Injection Date: 16-Jan-2018 13:33:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-10

Lab Sample ID: 480-129995-10

Client ID: MW-16D

Operator ID: RR

ALS Bottle#: 15

Worklist Smp#: 27

Purge Vol: 5.000 mL

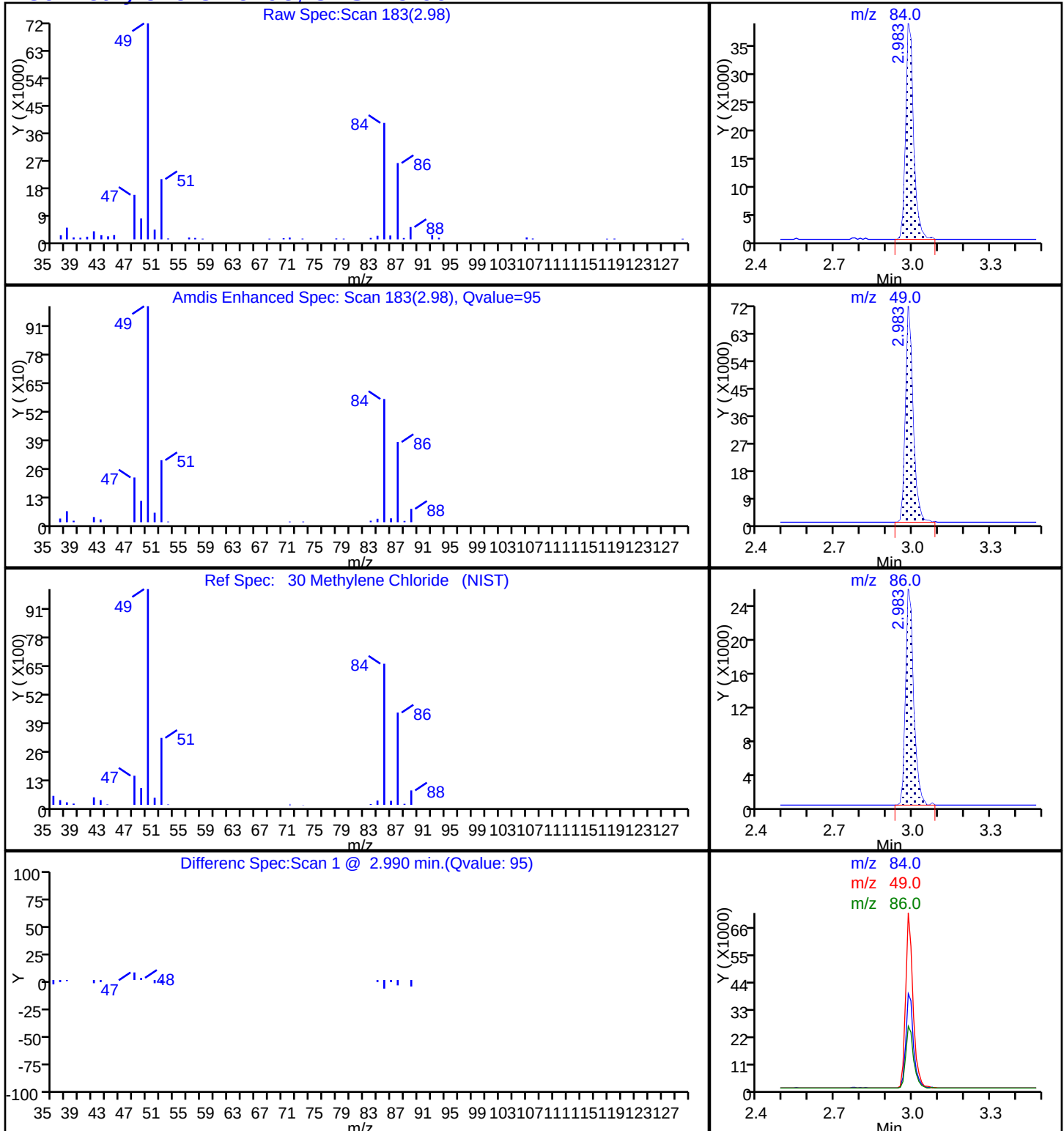
Dil. Factor: 4.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3873.D

Injection Date: 16-Jan-2018 13:33:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-10

Lab Sample ID: 480-129995-10

Client ID: MW-16D

Operator ID: RR

ALS Bottle#: 15

Worklist Smp#: 27

Purge Vol: 5.000 mL

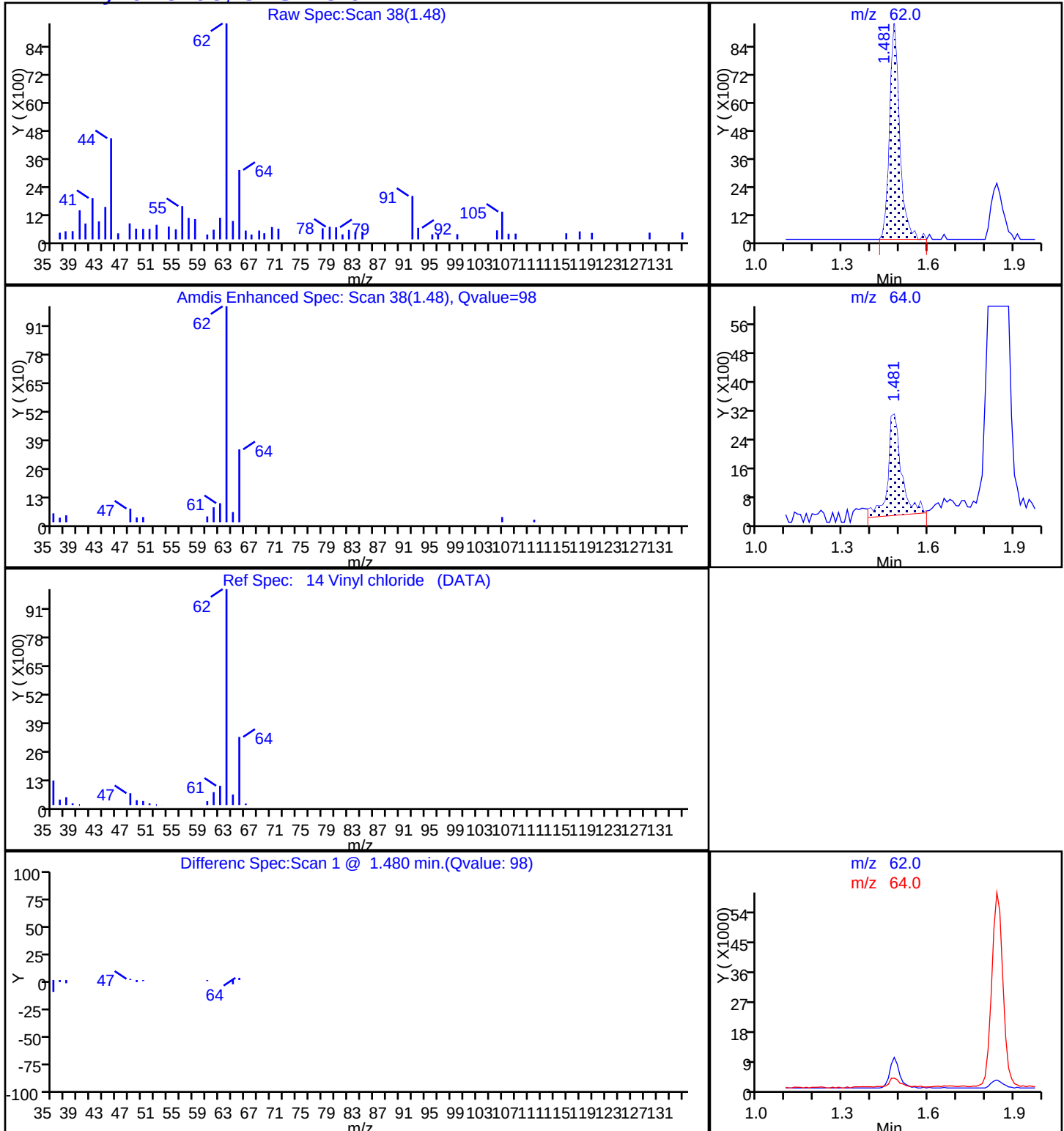
Dil. Factor: 4.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-13S</u>	Lab Sample ID: <u>480-129995-11</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>T3874.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/09/2018 15:25</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/16/2018 13:57</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>40</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395914</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		40	33
79-34-5	1,1,2,2-Tetrachloroethane	ND		40	8.4
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12
79-00-5	1,1,2-Trichloroethane	ND		40	9.2
75-34-3	1,1-Dichloroethane	ND		40	15
75-35-4	1,1-Dichloroethene	ND		40	12
120-82-1	1,2,4-Trichlorobenzene	ND		40	16
96-12-8	1,2-Dibromo-3-Chloropropane	ND		40	16
106-93-4	1,2-Dibromoethane	ND		40	29
95-50-1	1,2-Dichlorobenzene	ND		40	32
107-06-2	1,2-Dichloroethane	ND		40	8.4
78-87-5	1,2-Dichloropropane	ND		40	29
541-73-1	1,3-Dichlorobenzene	ND		40	31
106-46-7	1,4-Dichlorobenzene	ND		40	34
78-93-3	2-Butanone (MEK)	ND	*	400	53
591-78-6	2-Hexanone	ND		200	50
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		200	84
67-64-1	Acetone	140	J	400	120
71-43-2	Benzene	ND		40	16
75-27-4	Bromodichloromethane	ND		40	16
75-25-2	Bromoform	ND		40	10
74-83-9	Bromomethane	ND		40	28
75-15-0	Carbon disulfide	ND		40	7.6
56-23-5	Carbon tetrachloride	ND		40	11
108-90-7	Chlorobenzene	ND		40	30
75-00-3	Chloroethane	ND		40	13
67-66-3	Chloroform	ND		40	14
74-87-3	Chloromethane	ND		40	14
156-59-2	cis-1,2-Dichloroethene	1200		40	32
10061-01-5	cis-1,3-Dichloropropene	ND		40	14
110-82-7	Cyclohexane	ND		40	7.2
124-48-1	Dibromochloromethane	ND		40	13
75-71-8	Dichlorodifluoromethane	ND		40	27
100-41-4	Ethylbenzene	ND		40	30
98-82-8	Isopropylbenzene	ND		40	32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: MW-13S Lab Sample ID: 480-129995-11
 Matrix: Ground Water Lab File ID: T3874.D
 Analysis Method: 8260C Date Collected: 01/09/2018 15:25
 Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 13:57
 Soil Aliquot Vol: _____ Dilution Factor: 40
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 395914 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		100	52
1634-04-4	Methyl tert-butyl ether	ND		40	6.4
108-87-2	Methylcyclohexane	ND		40	6.4
75-09-2	Methylene Chloride	140		40	18
100-42-5	Styrene	ND		40	29
127-18-4	Tetrachloroethene	ND		40	14
108-88-3	Toluene	ND		40	20
156-60-5	trans-1,2-Dichloroethene	ND		40	36
10061-02-6	trans-1,3-Dichloropropene	ND		40	15
79-01-6	Trichloroethene	ND		40	18
75-69-4	Trichlorofluoromethane	ND		40	35
75-01-4	Vinyl chloride	440		40	36
1330-20-7	Xylenes, Total	ND		80	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3874.D
 Lims ID: 480-129995-B-11
 Client ID: MW-13S
 Sample Type: Client
 Inject. Date: 16-Jan-2018 13:57:30 ALS Bottle#: 16 Worklist Smp#: 28
 Purge Vol: 5.000 mL Dil. Factor: 40.0000
 Sample Info: 480-129995-b-11
 Misc. Info.: 480-0068593-028
 Operator ID: RR Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 16:24:19 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK031

First Level Reviewer: nowakk

Date: 16-Jan-2018 16:24:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.869	4.869	0.000	98	145462	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	88	584810	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	96	322184	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.403	4.403	0.000	93	183609	24.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.652	4.652	0.000	0	231087	24.9	
\$ 6 Toluene-d8 (Surr)	98	6.040	6.040	0.000	95	652850	24.7	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.001	89	220794	25.9	
11 Dichlorodifluoromethane	85		1.242				ND	
13 Chloromethane	50		1.408				ND	
14 Vinyl chloride	62	1.491	1.491	0.000	98	120811	11.0	
15 Bromomethane	94		1.792				ND	
16 Chloroethane	64		1.854				ND	
17 Trichlorofluoromethane	101		2.061				ND	
22 1,1-Dichloroethene	96	2.517	2.517	0.000	88	1841	0.2697	
20 1,1,2-Trichloro-1,2,2-trif	101		2.527				ND	
23 Acetone	43	2.631	2.631	0.000	97	9602	3.59	M
25 Carbon disulfide	76		2.704				ND	
28 Methyl acetate	43		2.900				ND	
30 Methylene Chloride	84	2.994	2.994	0.000	96	35078	3.48	
33 Methyl tert-butyl ether	73		3.170				ND	
32 trans-1,2-Dichloroethene	96		3.191				ND	
36 1,1-Dichloroethane	63	3.564	3.553	0.011	3	2097	0.1389	
43 cis-1,2-Dichloroethene	96	4.020	4.019	0.000	83	272973	30.2	
44 2-Butanone (MEK)	43		4.051				ND	
50 Chloroform	83		4.279				ND	
51 1,1,1-Trichloroethane	97		4.372				ND	
52 Cyclohexane	56		4.382				ND	
53 Carbon tetrachloride	117		4.486				ND	
55 Benzene	78		4.662				ND	
57 1,2-Dichloroethane	62		4.714				ND	
60 Trichloroethene	95		5.139				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.232				ND	
63 1,2-Dichloropropane	63		5.336				ND	
67 Dichlorobromomethane	83		5.553				ND	
71 cis-1,3-Dichloropropene	75		5.875				ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.978				ND	
73 Toluene	92		6.092				ND	
75 trans-1,3-Dichloropropene	75		6.310				ND	
78 1,1,2-Trichloroethane	83		6.455				ND	
79 Tetrachloroethene	166		6.496				ND	
81 2-Hexanone	43		6.621				ND	
82 Chlorodibromomethane	129		6.755				ND	
83 Ethylene Dibromide	107		6.838				ND	
86 Chlorobenzene	112		7.191				ND	
88 Ethylbenzene	91		7.253				ND	
90 m-Xylene & p-Xylene	106		7.346				ND	
91 o-Xylene	106		7.667				ND	
92 Styrene	104		7.688				ND	
93 Bromoform	173		7.885				ND	
95 Isopropylbenzene	105		7.947				ND	
98 1,1,2,2-Tetrachloroethane	83		8.258				ND	
110 1,3-Dichlorobenzene	146		8.984				ND	
113 1,4-Dichlorobenzene	146		9.056				ND	
116 1,2-Dichlorobenzene	146		9.367				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.041				ND	
119 1,2,4-Trichlorobenzene	180		10.693				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

T_8260_IS_00184

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00165

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3874.D

Injection Date: 16-Jan-2018 13:57:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: 480-129995-B-11

Lab Sample ID: 480-129995-11

Worklist Smp#: 28

Client ID: MW-13S

Purge Vol: 5.000 mL

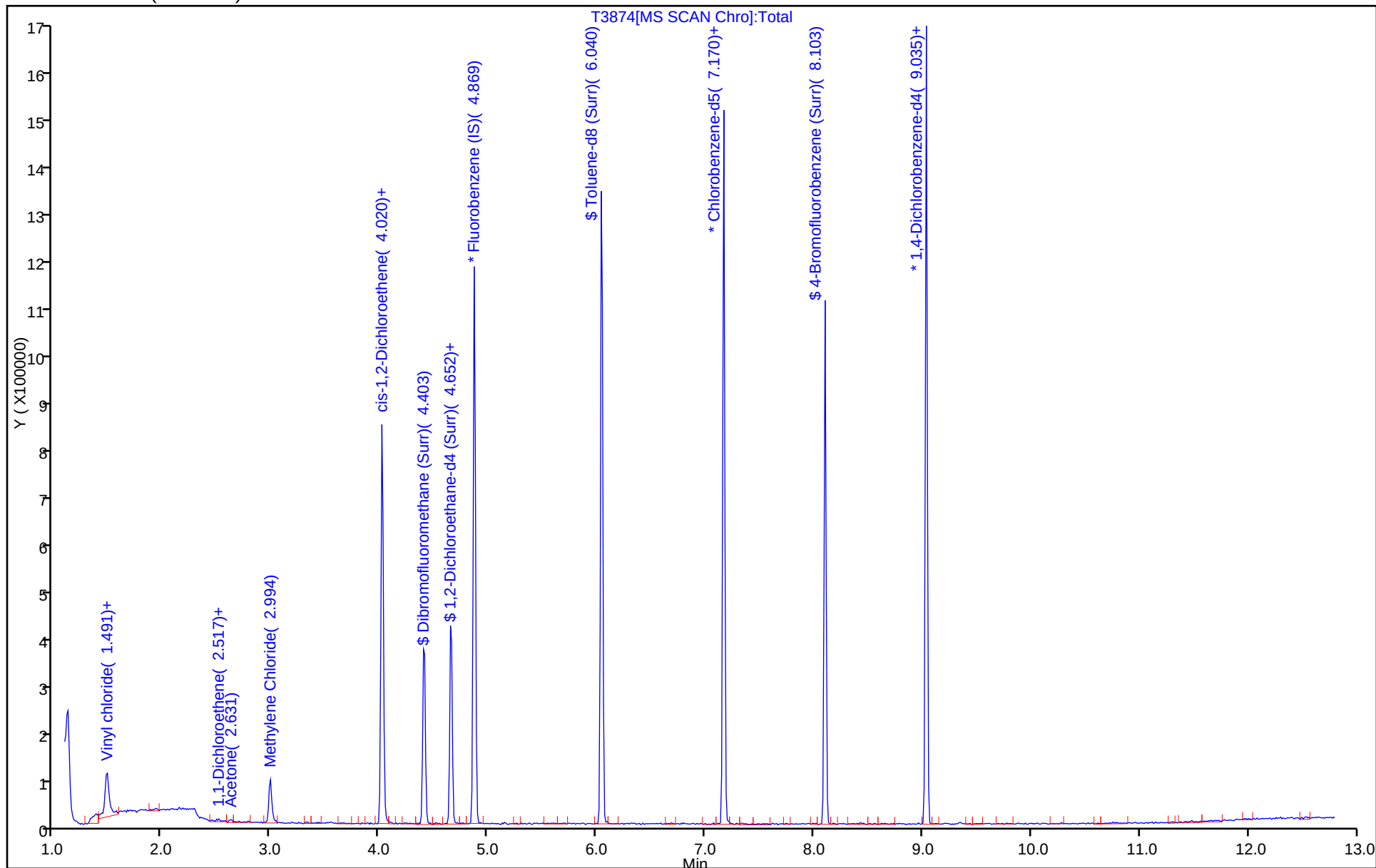
Dil. Factor: 40.0000

ALS Bottle#: 16

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3874.D

Injection Date: 16-Jan-2018 13:57:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-11

Lab Sample ID: 480-129995-11

Client ID: MW-13S

Operator ID: RR

ALS Bottle#: 16

Worklist Smp#: 28

Purge Vol: 5.000 mL

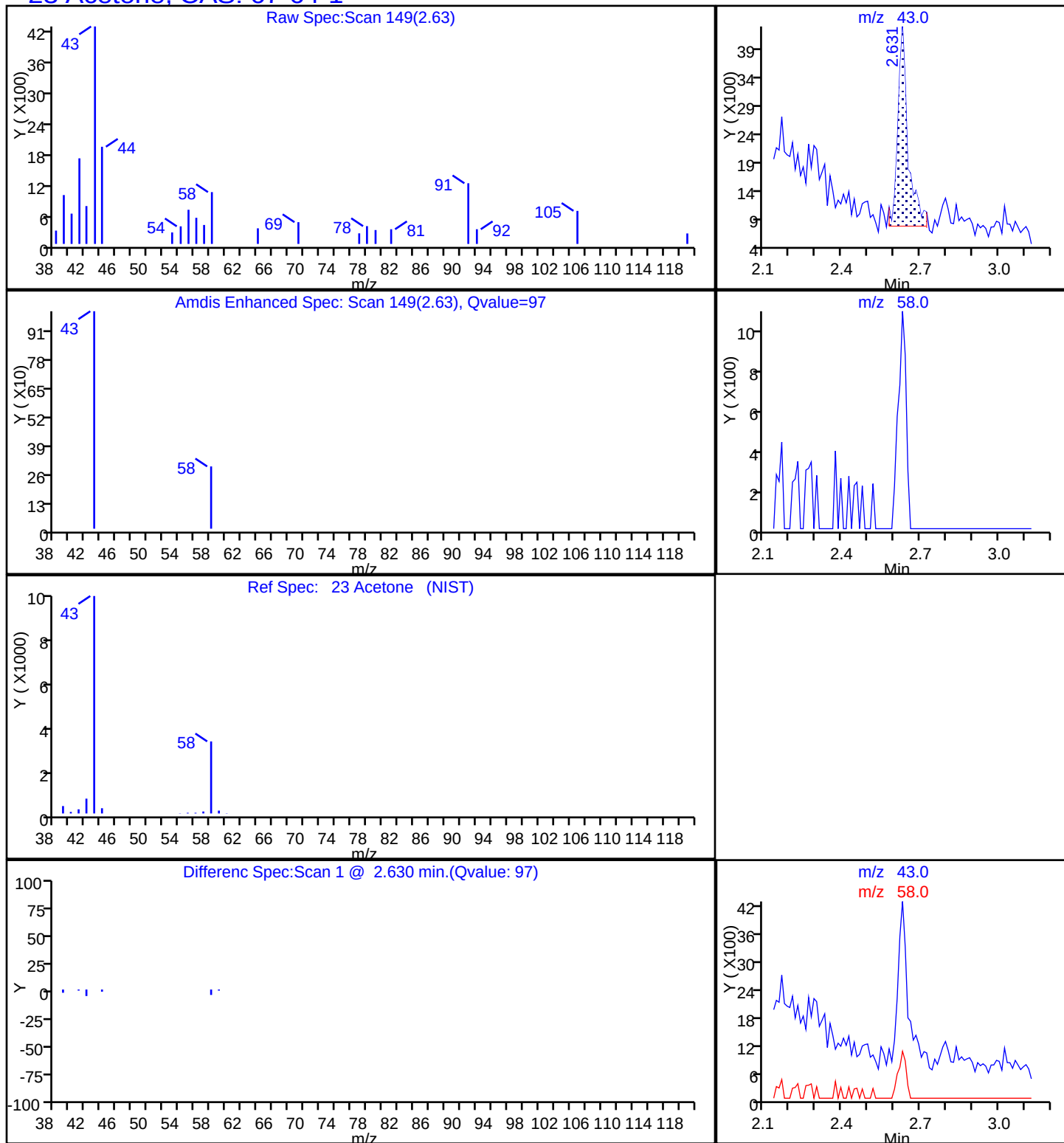
Dil. Factor: 40.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3874.D

Injection Date: 16-Jan-2018 13:57:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-11

Lab Sample ID: 480-129995-11

Client ID: MW-13S

Operator ID: RR

ALS Bottle#: 16

Worklist Smp#: 28

Purge Vol: 5.000 mL

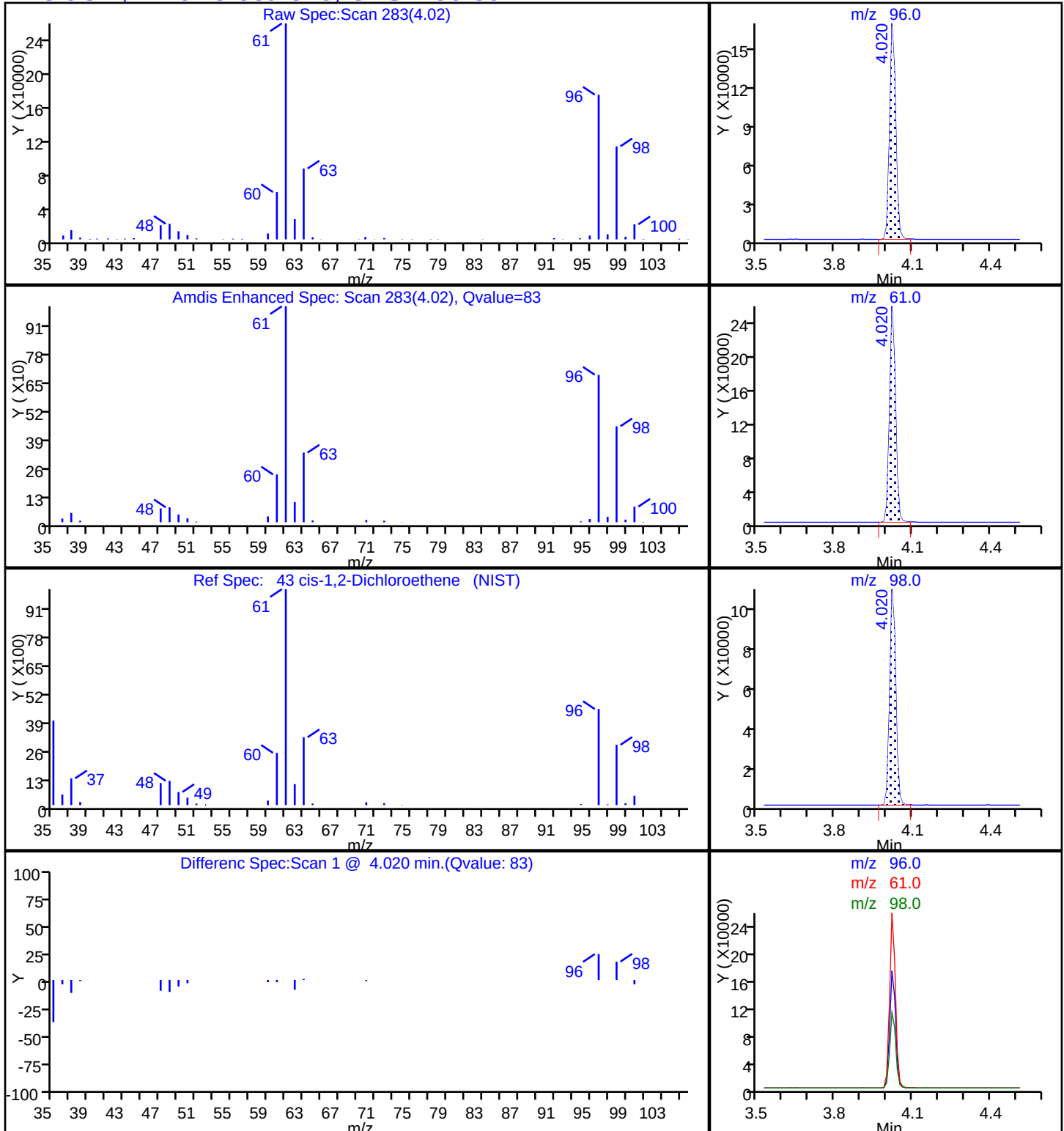
Dil. Factor: 40.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3874.D

Injection Date: 16-Jan-2018 13:57:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-11

Lab Sample ID: 480-129995-11

Client ID: MW-13S

Operator ID: RR

ALS Bottle#: 16

Worklist Smp#: 28

Purge Vol: 5.000 mL

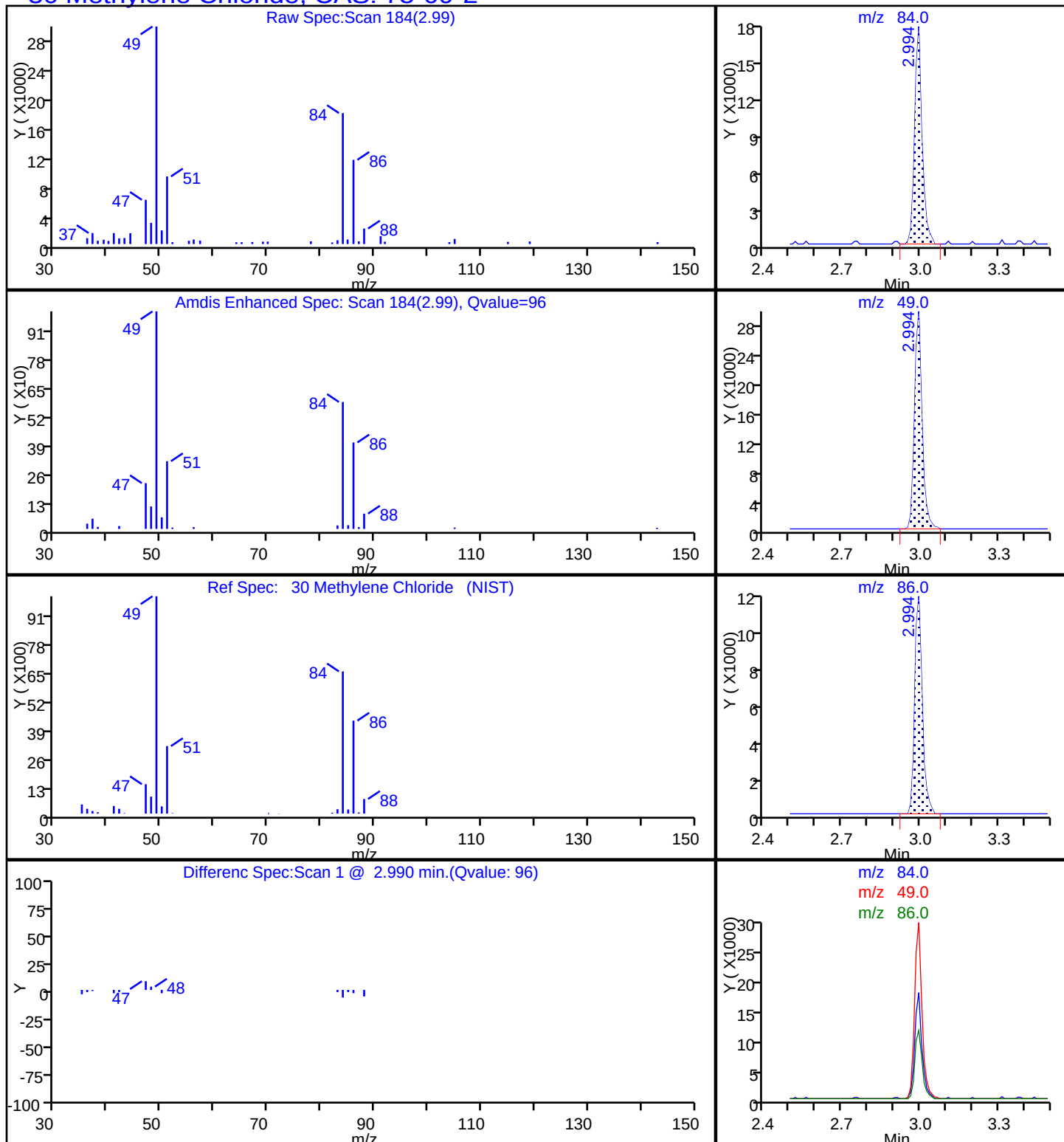
Dil. Factor: 40.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3874.D

Injection Date: 16-Jan-2018 13:57:30

Instrument ID: HP5975T

Lims ID: 480-129995-B-11

Lab Sample ID: 480-129995-11

Client ID: MW-13S

Operator ID: RR

ALS Bottle#: 16

Worklist Smp#: 28

Purge Vol: 5.000 mL

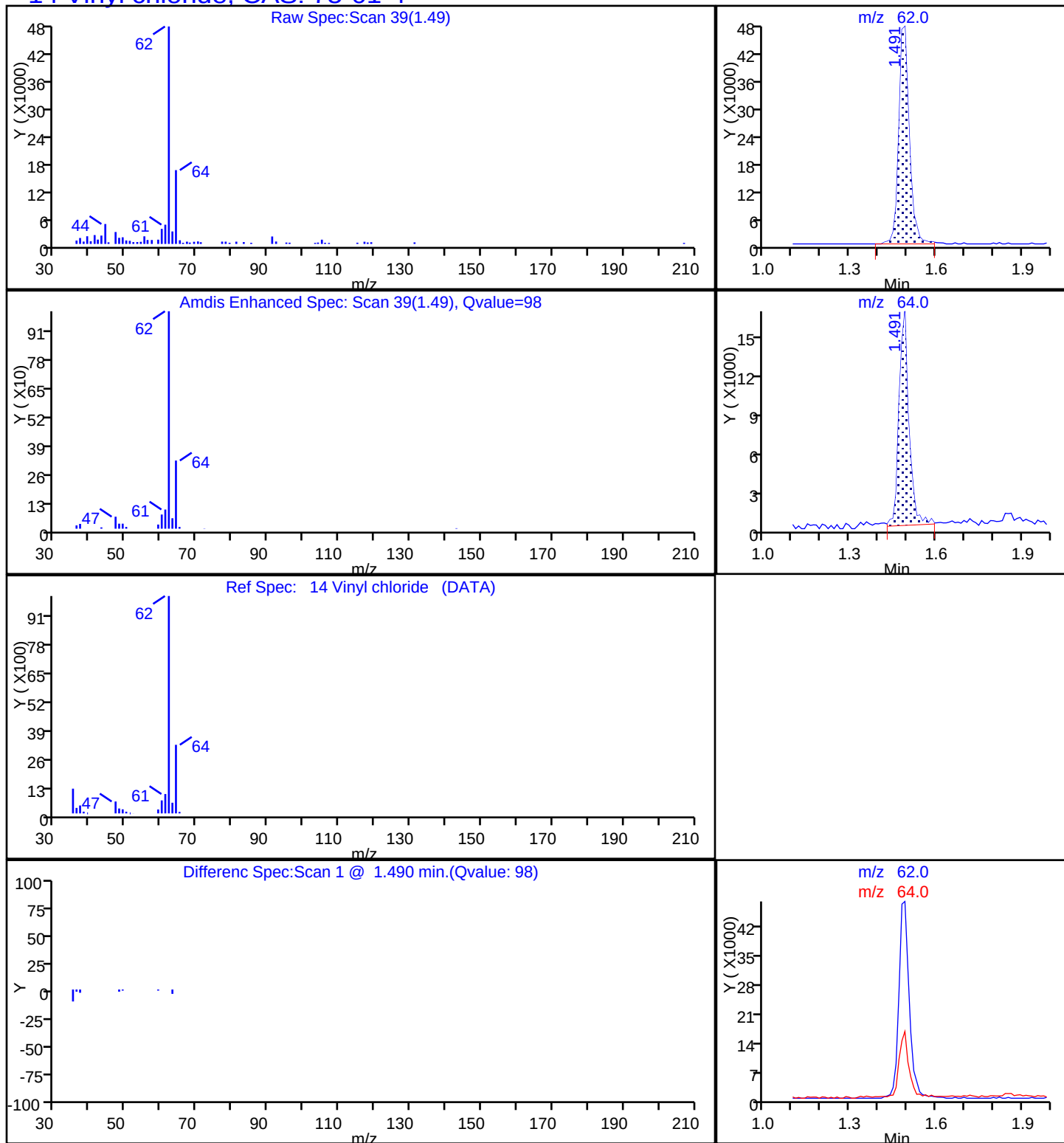
Dil. Factor: 40.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

TestAmerica Buffalo

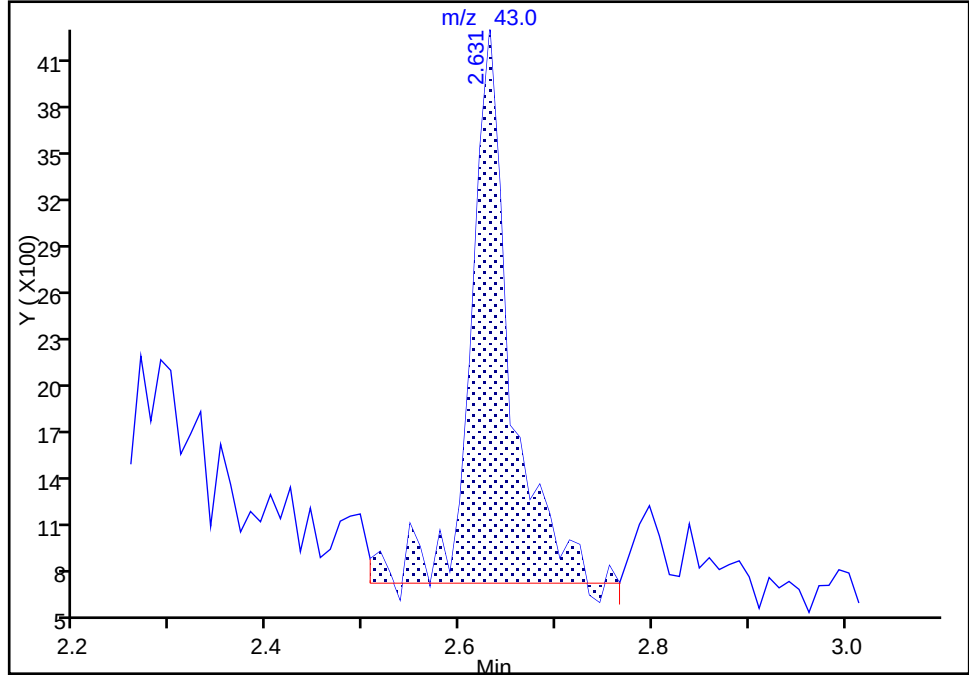
Data File:	\\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3874.D		
Injection Date:	16-Jan-2018 13:57:30	Instrument ID:	HP5975T
Lims ID:	480-129995-B-11	Lab Sample ID:	480-129995-11
Client ID:	MW-13S		
Operator ID:	RR	ALS Bottle#:	16
Purge Vol:	5.000 mL	Dil. Factor:	40.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	28

23 Acetone, CAS: 67-64-1

Signal: 1

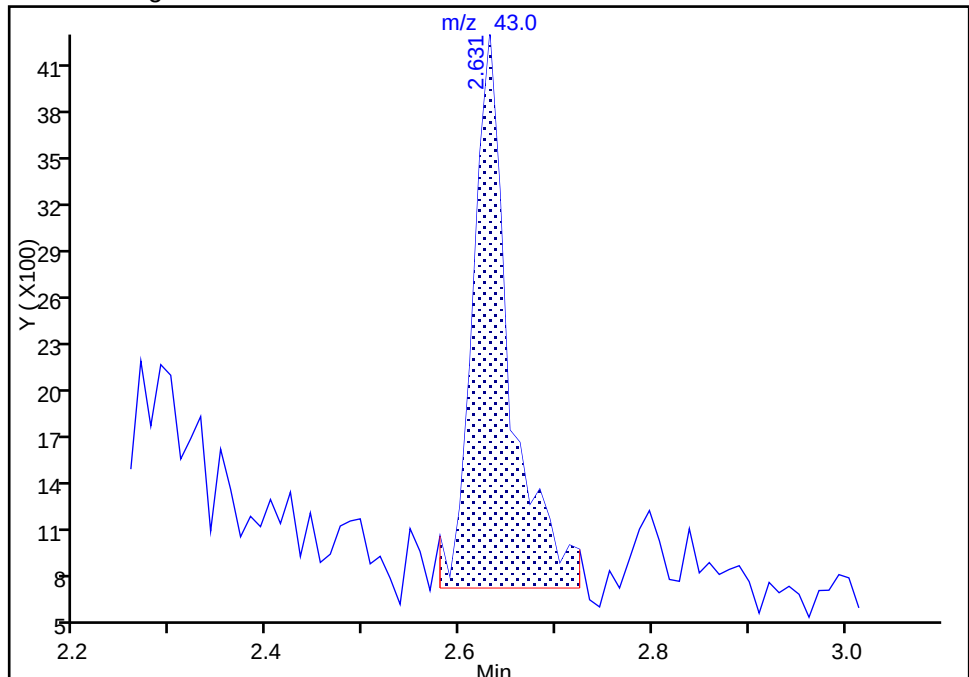
RT: 2.63
Area: 10119
Amount: 3.783189
Amount Units: ug/L

Processing Integration Results



RT: 2.63
Area: 9602
Amount: 3.589898
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 16-Jan-2018 16:23:46

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-13D</u>	Lab Sample ID: <u>480-129995-12</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>T3852.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/09/2018 14:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/15/2018 21:39</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395851</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	0.73	J	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
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
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	23		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	9.9		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	1.1		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
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: MW-13D Lab Sample ID: 480-129995-12

Matrix: Ground Water Lab File ID: T3852.D

Analysis Method: 8260C Date Collected: 01/09/2018 14:10

Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 21:39

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 395851 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	0.95	J	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	39		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3852.D
 Lims ID: 480-129995-A-12
 Client ID: MW-13D
 Sample Type: Client
 Inject. Date: 15-Jan-2018 21:39:30 ALS Bottle#: 23 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-129995-a-12
 Misc. Info.: 480-0068583-026
 Operator ID: RR Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 13:47:01 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: reiler

Date: 16-Jan-2018 13:47:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.869	4.869	0.000	98	144292	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	88	579014	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	96	322465	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.403	4.403	0.000	92	183997	24.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.652	4.652	0.000	0	229926	25.0	
\$ 6 Toluene-d8 (Surr)	98	6.041	6.040	0.000	94	640823	24.5	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.000	87	212444	25.2	
11 Dichlorodifluoromethane	85		1.232				ND	
13 Chloromethane	50		1.398				ND	
14 Vinyl chloride	62	1.481	1.481	0.000	98	428438	39.2	
15 Bromomethane	94		1.781				ND	
16 Chloroethane	64	1.843	1.843	0.000	97	59472	9.89	
17 Trichlorofluoromethane	101		2.051				ND	
22 1,1-Dichloroethene	96	2.517	2.507	0.010	87	1773	0.2619	
20 1,1,2-Trichloro-1,2,2-trif	101		2.517				ND	
23 Acetone	43	2.631	2.631	0.010	98	60262	22.7	M
25 Carbon disulfide	76	2.683	2.683	-0.010	1	794	0.0362	7M
28 Methyl acetate	43		2.890				ND	
30 Methylene Chloride	84		2.983				ND	M
33 Methyl tert-butyl ether	73		3.170				ND	
32 trans-1,2-Dichloroethene	96	3.191	3.180	0.011	44	1127	0.1462	
36 1,1-Dichloroethane	63	3.553	3.553	0.000	97	10982	0.7334	
43 cis-1,2-Dichloroethene	96	4.020	4.020	0.000	74	9904	1.11	
44 2-Butanone (MEK)	43		4.040				ND	
50 Chloroform	83	4.258	4.258	-0.021	1	589	0.0404	7M
51 1,1,1-Trichloroethane	97		4.372				ND	
52 Cyclohexane	56		4.372				ND	
53 Carbon tetrachloride	117		4.486				ND	
55 Benzene	78	4.662	4.662	0.010	40	3759	0.1346	M
57 1,2-Dichloroethane	62		4.714				ND	
60 Trichloroethene	95		5.139				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.232				ND	
63 1,2-Dichloropropane	63		5.336				ND	
67 Dichlorobromomethane	83		5.553				ND	
71 cis-1,3-Dichloropropene	75		5.875				ND	
72 4-Methyl-2-pentanone (MIBK)	43	5.978	5.978	0.000	45	1836	0.2302	
73 Toluene	92	6.092	6.092	0.000	96	18080	0.9512	
75 trans-1,3-Dichloropropene	75		6.310				ND	
78 1,1,2-Trichloroethane	83		6.455				ND	
79 Tetrachloroethene	166		6.496				ND	
81 2-Hexanone	43		6.621				ND	
82 Chlorodibromomethane	129		6.755				ND	
83 Ethylene Dibromide	107		6.838				ND	
86 Chlorobenzene	112		7.191				ND	
88 Ethylbenzene	91		7.253				ND	
90 m-Xylene & p-Xylene	106		7.346				ND	
91 o-Xylene	106		7.667				ND	
92 Styrene	104		7.688				ND	
93 Bromoform	173		7.885				ND	
95 Isopropylbenzene	105		7.947				ND	
98 1,1,2,2-Tetrachloroethane	83		8.258				ND	
110 1,3-Dichlorobenzene	146		8.984				ND	
113 1,4-Dichlorobenzene	146		9.056				ND	
116 1,2-Dichlorobenzene	146		9.367				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.041				ND	
119 1,2,4-Trichlorobenzene	180		10.693				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

T_8260_IS_00184

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00165

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3852.D

Injection Date: 15-Jan-2018 21:39:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: 480-129995-A-12

Lab Sample ID: 480-129995-12

Worklist Smp#: 26

Client ID: MW-13D

Purge Vol: 5.000 mL

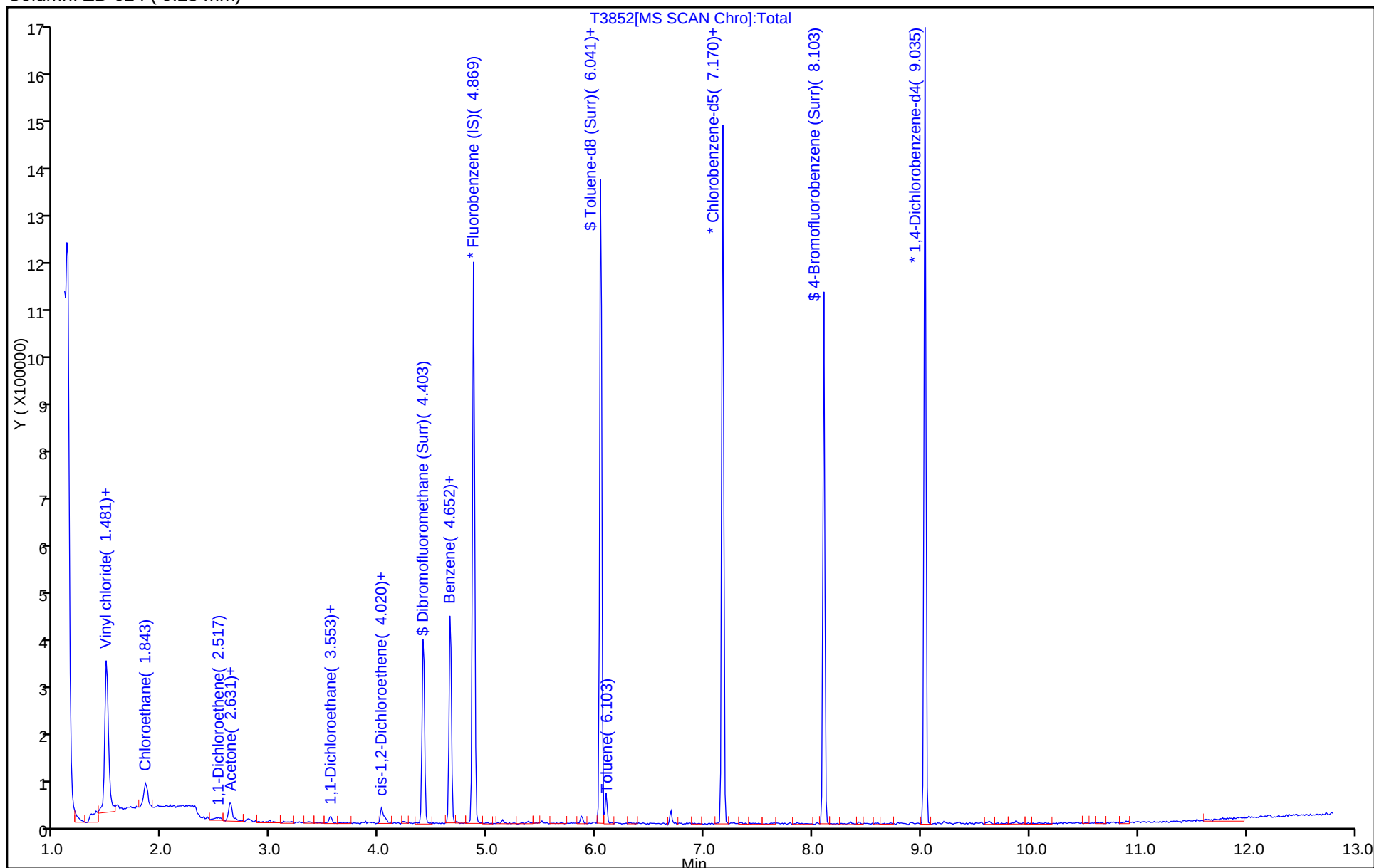
Dil. Factor: 1.0000

ALS Bottle#: 23

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3852.D

Injection Date: 15-Jan-2018 21:39:30

Instrument ID: HP5975T

Lims ID: 480-129995-A-12

Lab Sample ID: 480-129995-12

Client ID: MW-13D

Operator ID: RR

ALS Bottle#: 23

Worklist Smp#: 26

Purge Vol: 5.000 mL

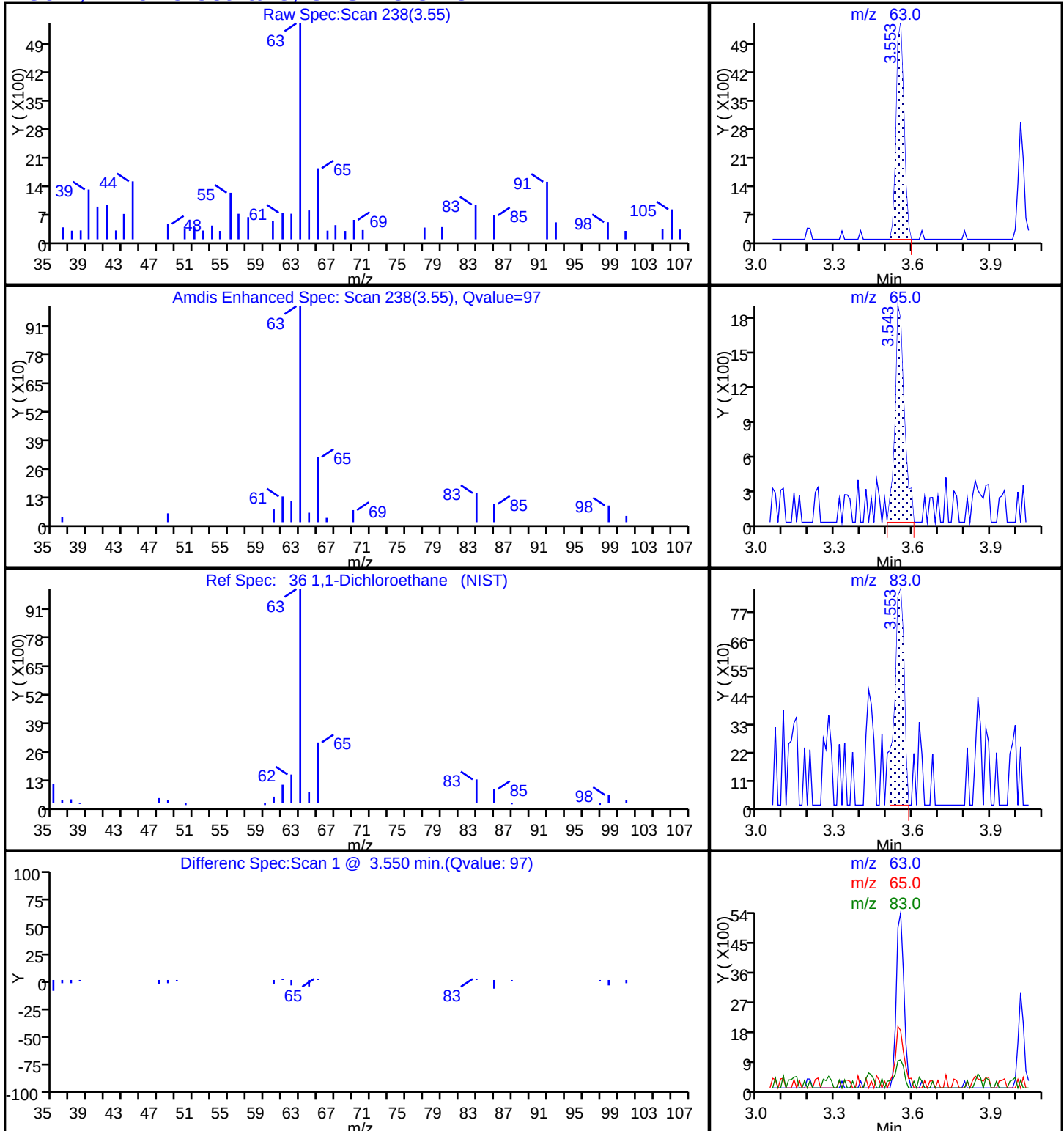
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3852.D

Injection Date: 15-Jan-2018 21:39:30

Instrument ID: HP5975T

Lims ID: 480-129995-A-12

Lab Sample ID: 480-129995-12

Client ID: MW-13D

Operator ID: RR

ALS Bottle#: 23

Worklist Smp#: 26

Purge Vol: 5.000 mL

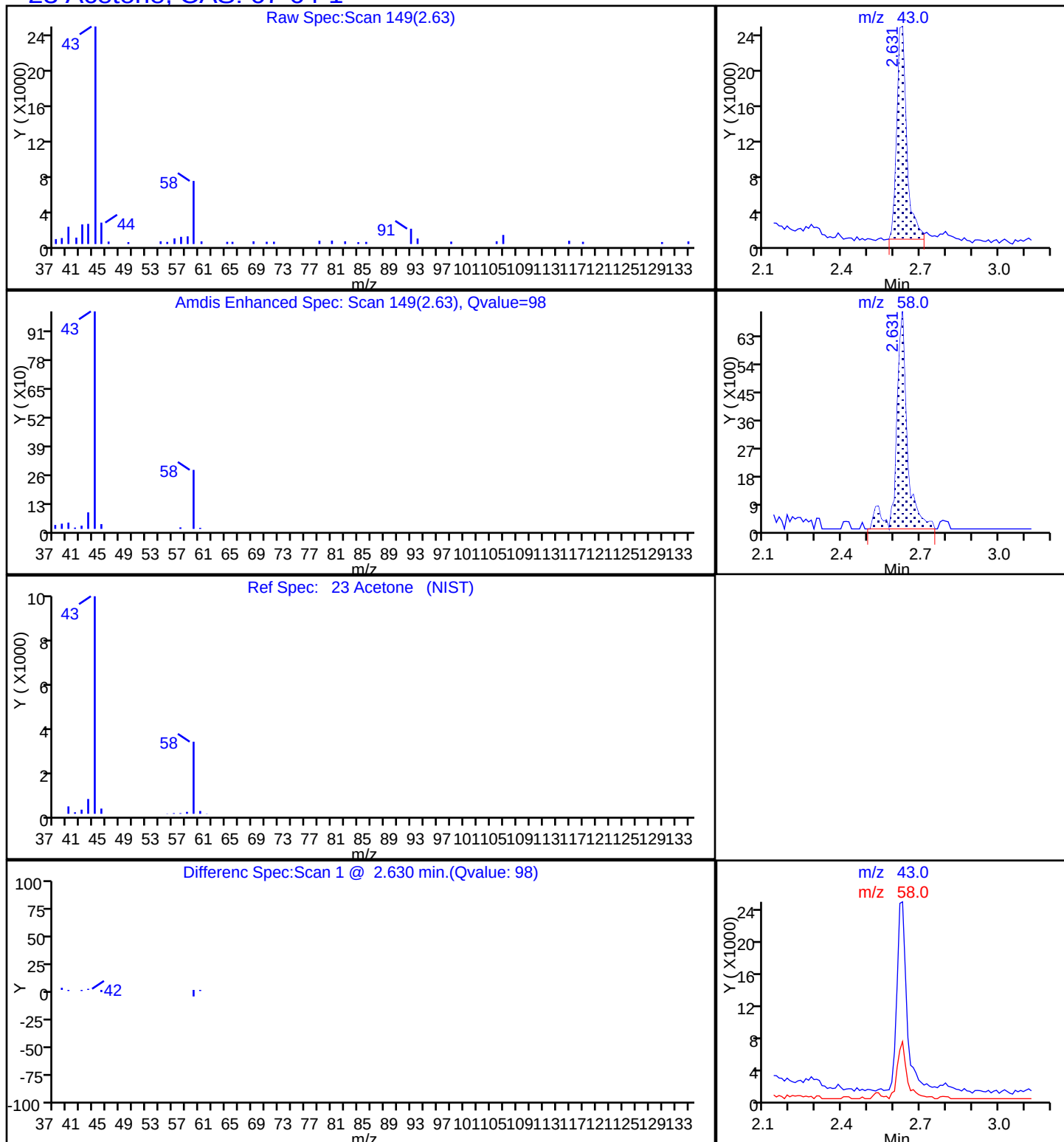
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3852.D

Injection Date: 15-Jan-2018 21:39:30

Instrument ID: HP5975T

Lims ID: 480-129995-A-12

Lab Sample ID: 480-129995-12

Client ID: MW-13D

Operator ID: RR

ALS Bottle#: 23

Worklist Smp#: 26

Purge Vol: 5.000 mL

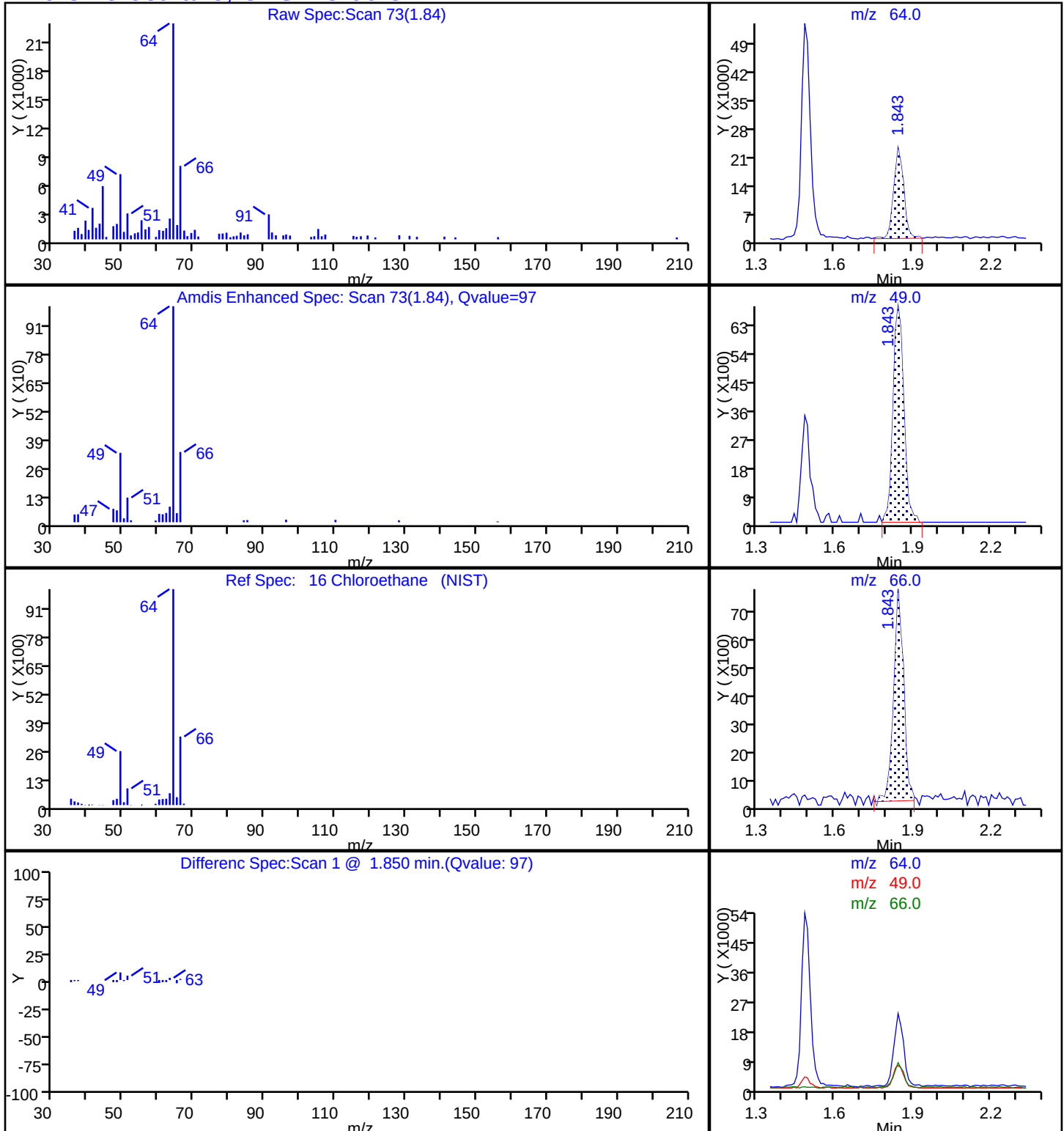
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3852.D

Injection Date: 15-Jan-2018 21:39:30

Instrument ID: HP5975T

Lims ID: 480-129995-A-12

Lab Sample ID: 480-129995-12

Client ID: MW-13D

Operator ID: RR

ALS Bottle#: 23

Worklist Smp#: 26

Purge Vol: 5.000 mL

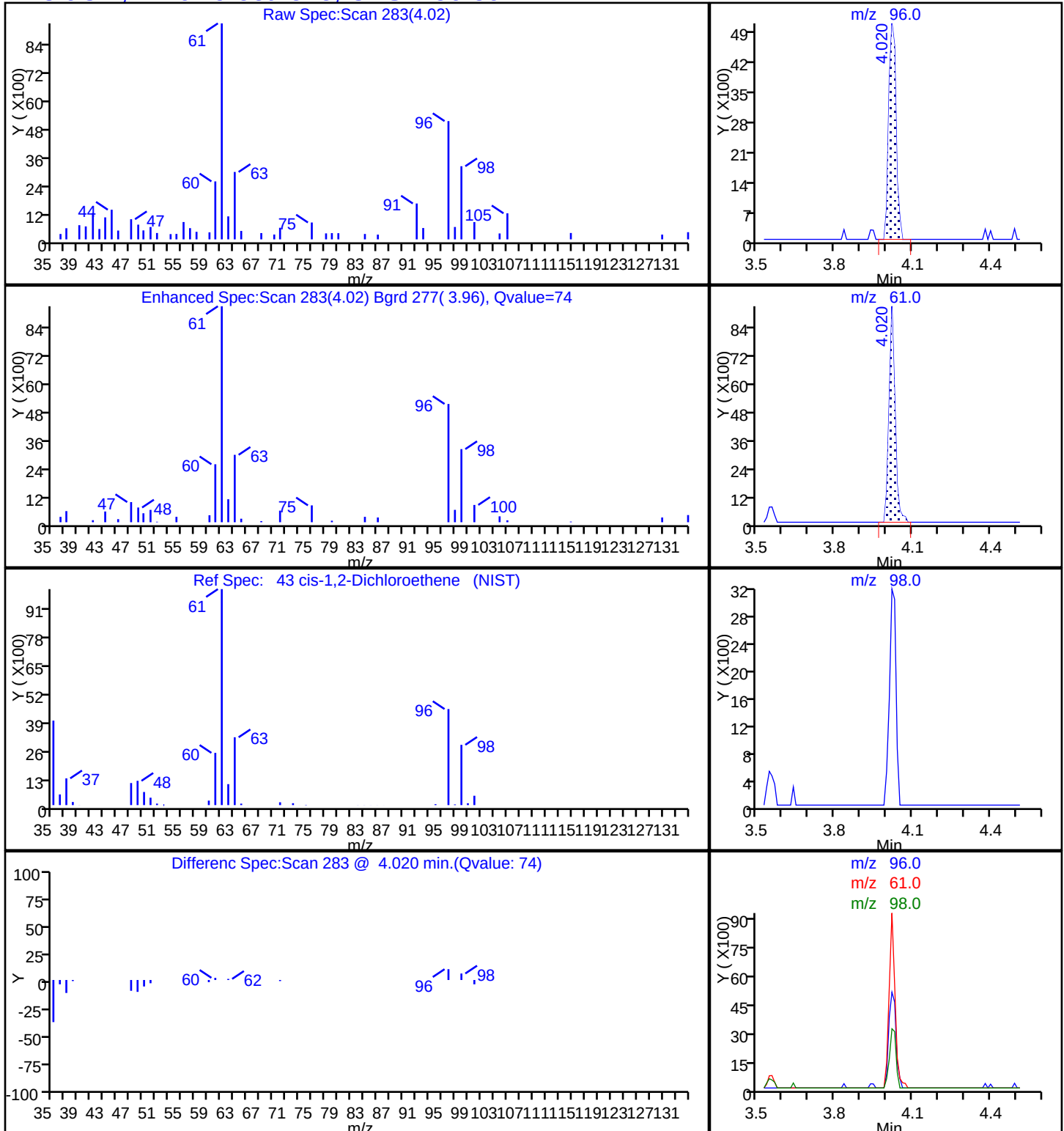
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3852.D

Injection Date: 15-Jan-2018 21:39:30

Instrument ID: HP5975T

Lims ID: 480-129995-A-12

Lab Sample ID: 480-129995-12

Client ID: MW-13D

Operator ID: RR

ALS Bottle#: 23

Worklist Smp#: 26

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

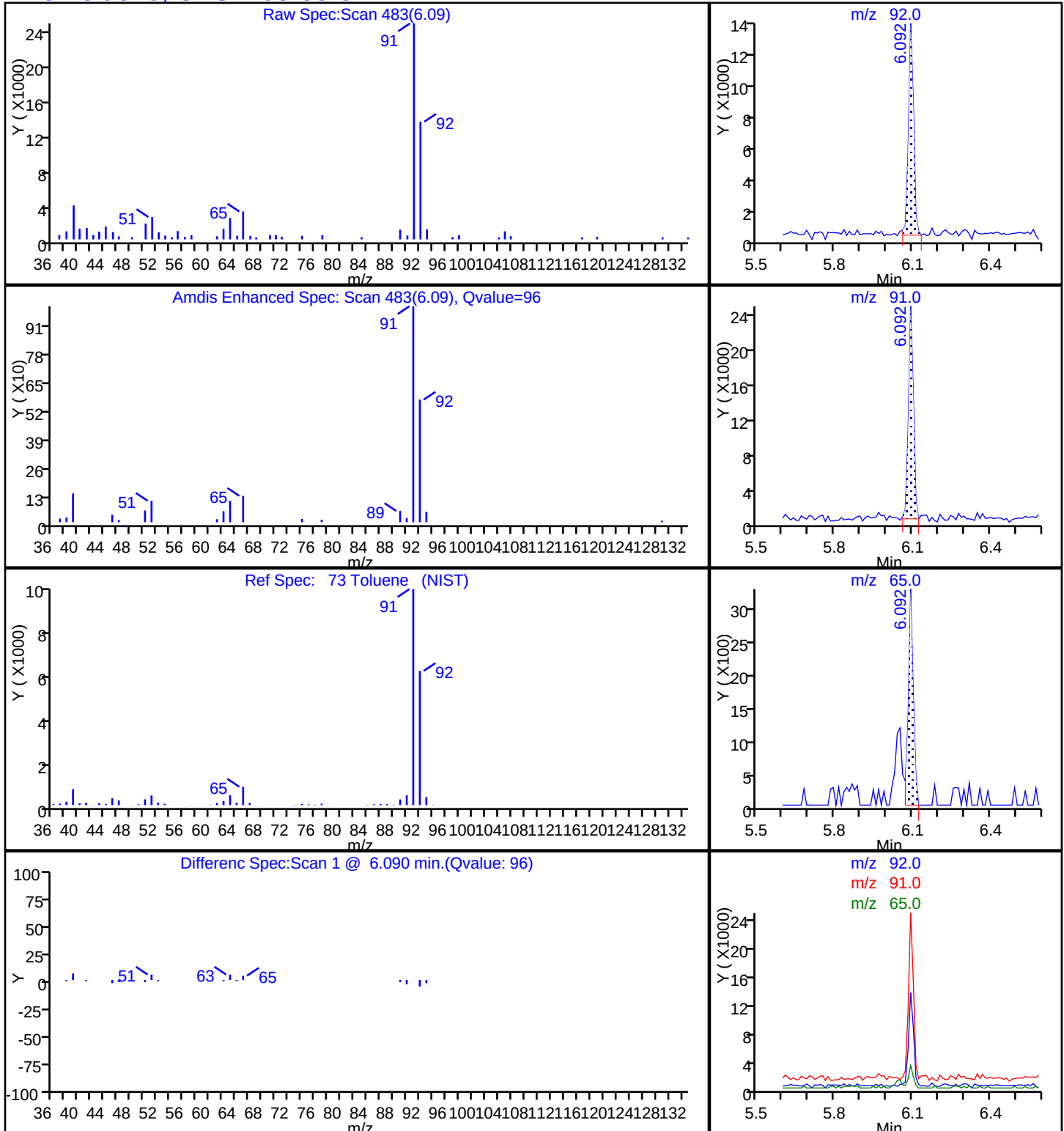
Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

73 Toluene, CAS: 108-88-3



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3852.D

Injection Date: 15-Jan-2018 21:39:30

Instrument ID: HP5975T

Lims ID: 480-129995-A-12

Lab Sample ID: 480-129995-12

Client ID: MW-13D

Operator ID: RR

ALS Bottle#: 23

Worklist Smp#: 26

Purge Vol: 5.000 mL

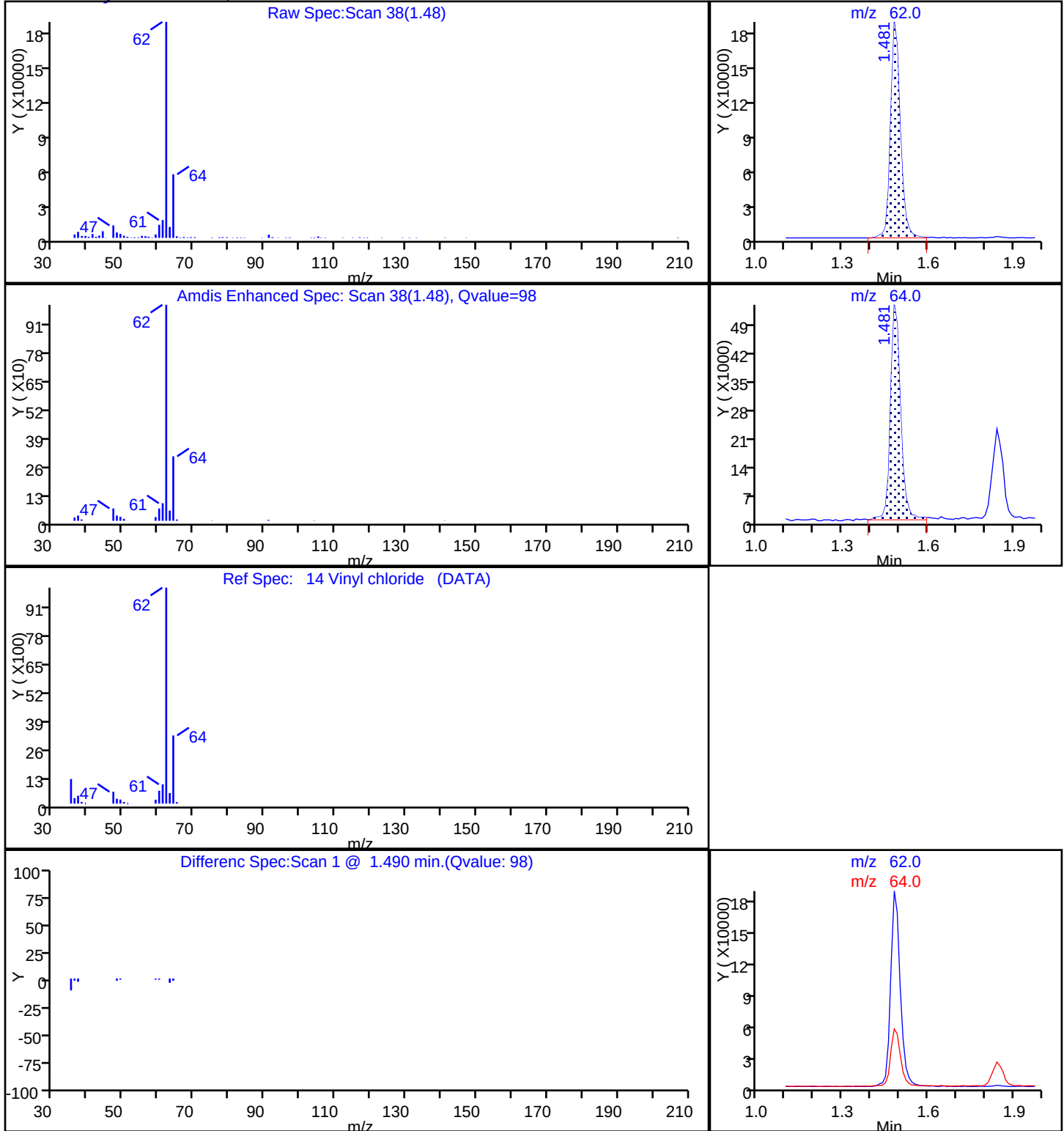
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

TestAmerica Buffalo

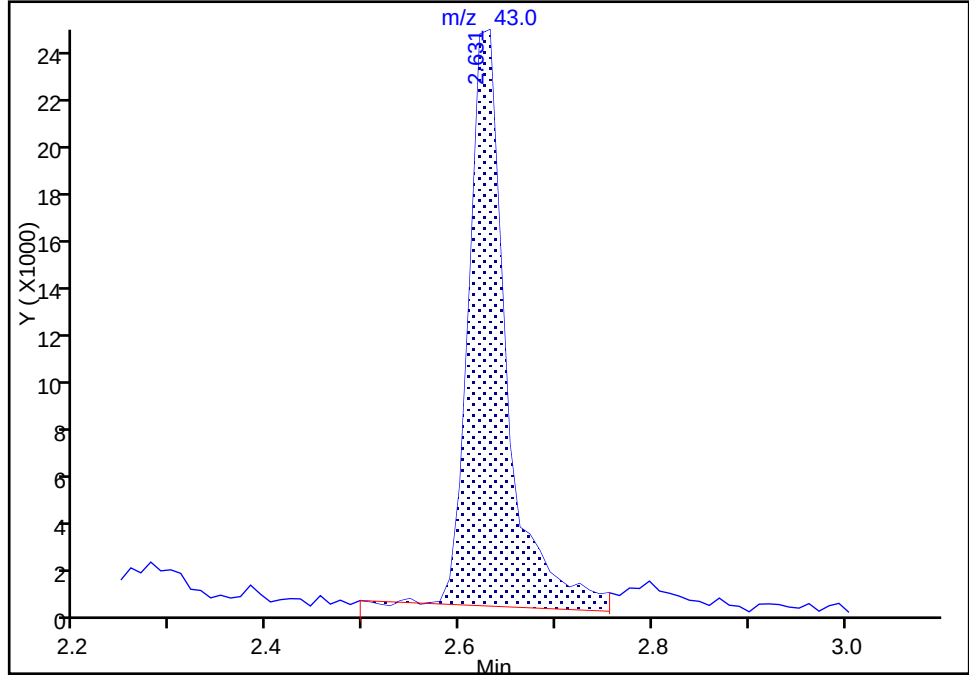
Data File:	\\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3852.D		
Injection Date:	15-Jan-2018 21:39:30	Instrument ID:	HP5975T
Lims ID:	480-129995-A-12	Lab Sample ID:	480-129995-12
Client ID:	MW-13D		
Operator ID:	RR	ALS Bottle#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	26

23 Acetone, CAS: 67-64-1

Signal: 1

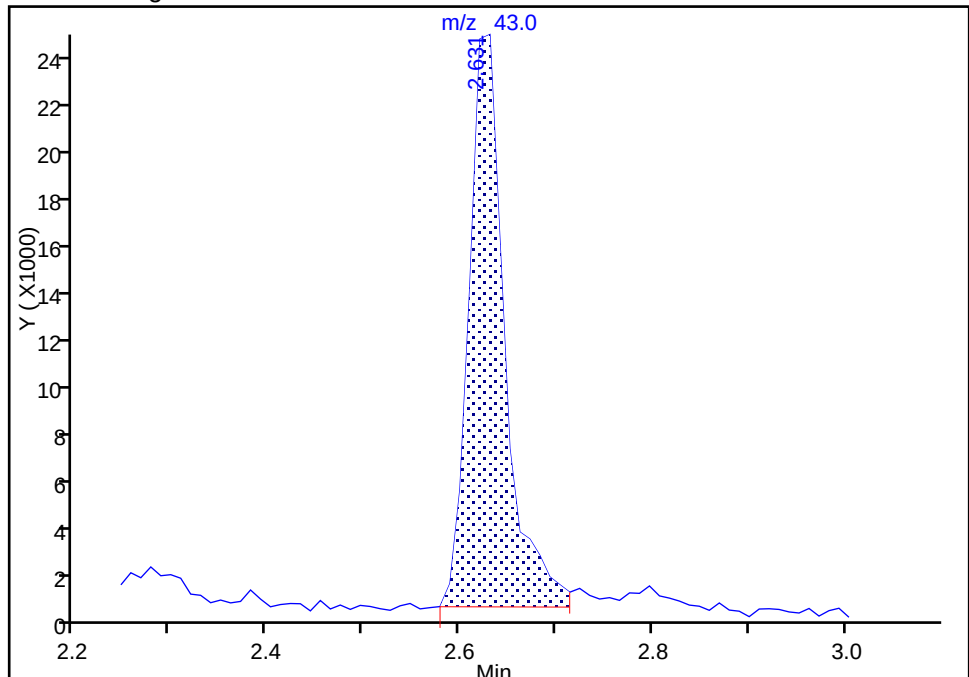
RT: 2.63
Area: 63943
Amount: 24.100205
Amount Units: ug/L

Processing Integration Results



RT: 2.63
Area: 60262
Amount: 22.712831
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 16-Jan-2018 13:45:28
Audit Action: Manually Integrated

Audit Reason: Baseline
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01/22/2018

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3852.D

Injection Date: 15-Jan-2018 21:39:30

Instrument ID: HP5975T

Lims ID: 480-129995-A-12

Lab Sample ID: 480-129995-12

Client ID: MW-13D

Operator ID: RR

ALS Bottle#: 23 Worklist Smp#: 26

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

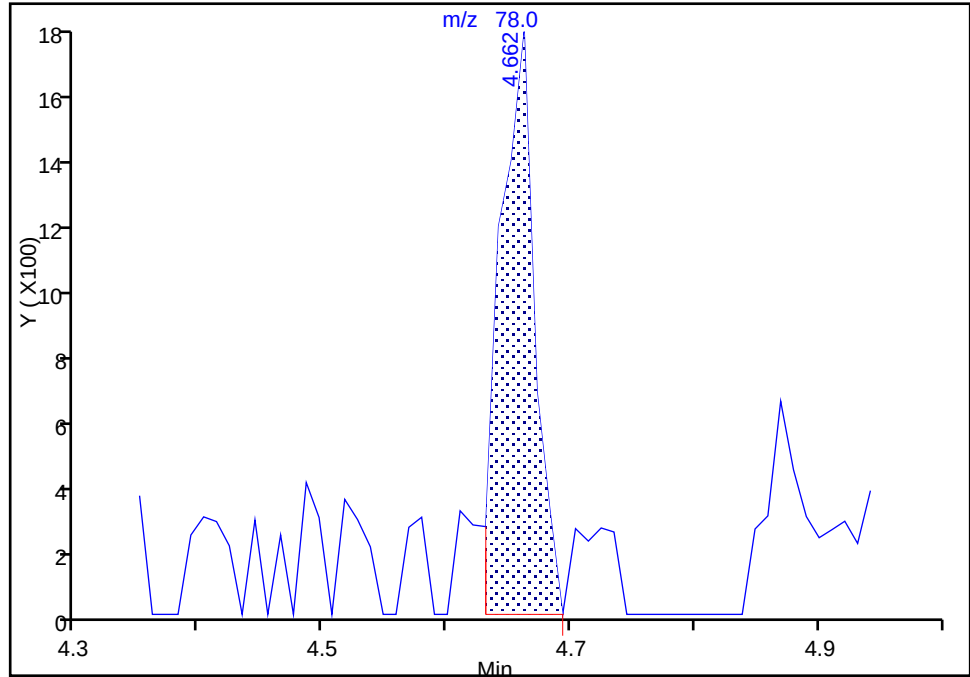
Detector: MS SCAN

55 Benzene, CAS: 71-43-2

Signal: 1

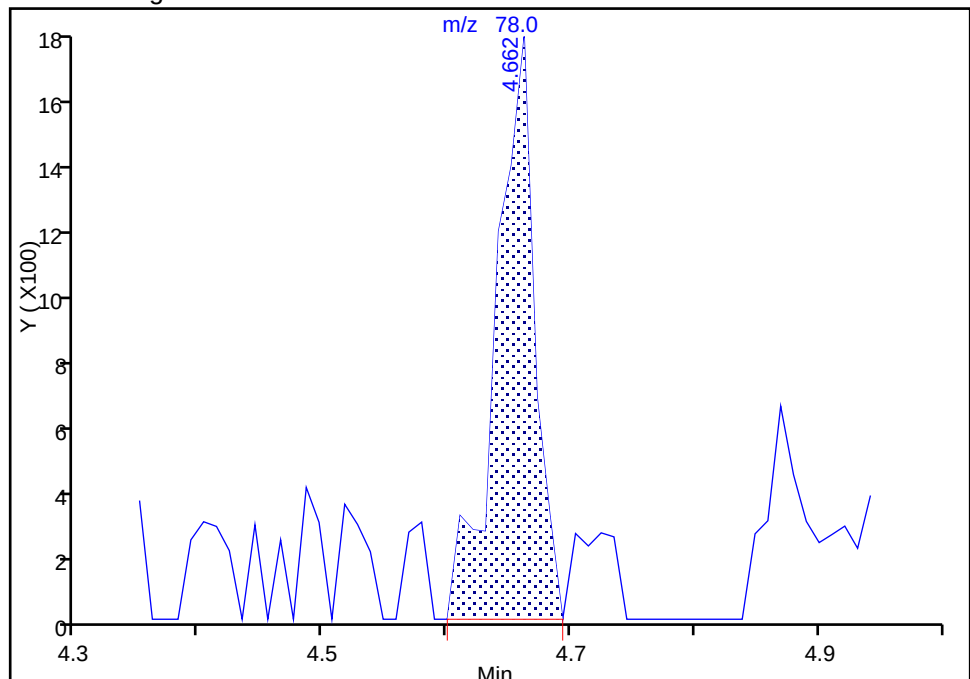
RT: 4.66
Area: 3401
Amount: 0.121760
Amount Units: ug/L

Processing Integration Results



RT: 4.66
Area: 3759
Amount: 0.134576
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 16-Jan-2018 13:46:12

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

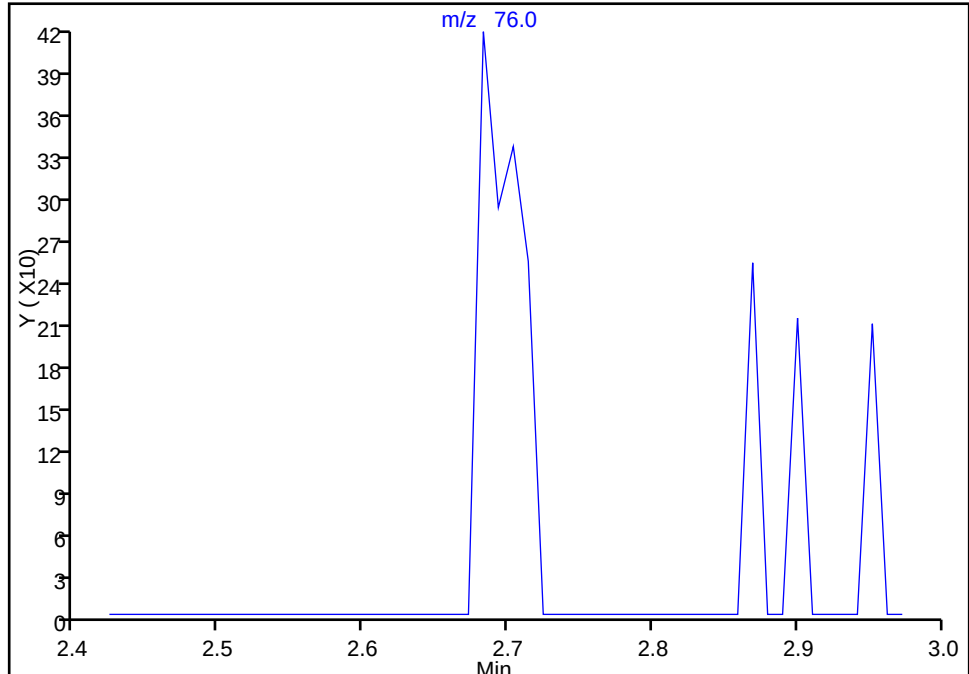
Data File:	\\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3852.D		
Injection Date:	15-Jan-2018 21:39:30	Instrument ID:	HP5975T
Lims ID:	480-129995-A-12	Lab Sample ID:	480-129995-12
Client ID:	MW-13D		
Operator ID:	RR	ALS Bottle#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	T-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	26

25 Carbon disulfide, CAS: 75-15-0

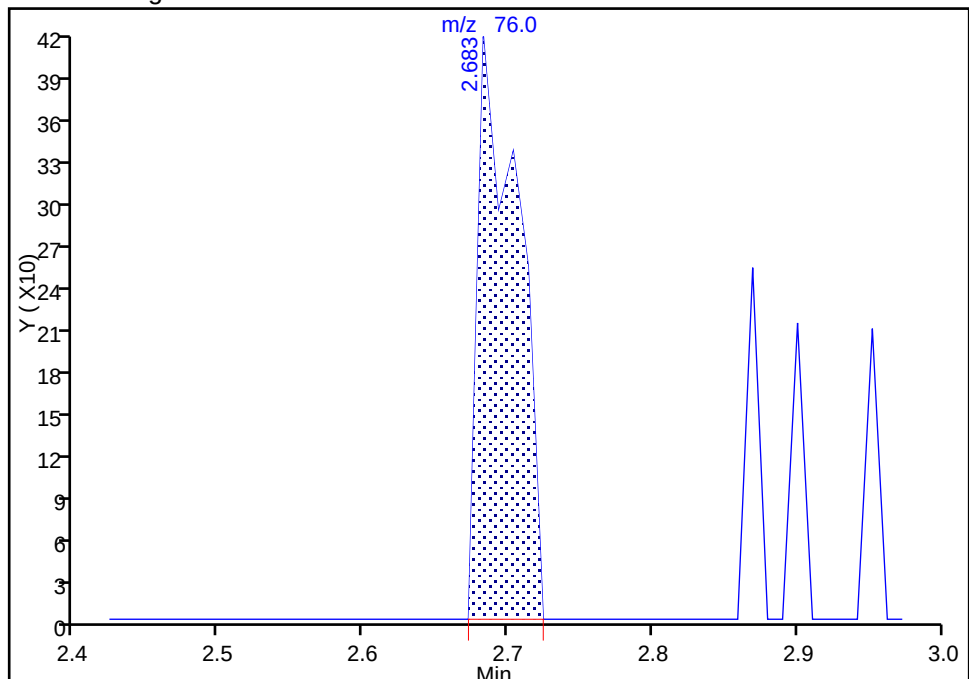
Signal: 1

Not Detected
Expected RT: 2.69

Processing Integration Results

RT: 2.68
Area: 794
Amount: 0.036235
Amount Units: ug/L

Manual Integration Results

Reviewer: reiler, 16-Jan-2018 13:45:32
Audit Action: Assigned Compound IDAudit Reason: Baseline
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01/22/2018

TestAmerica Buffalo

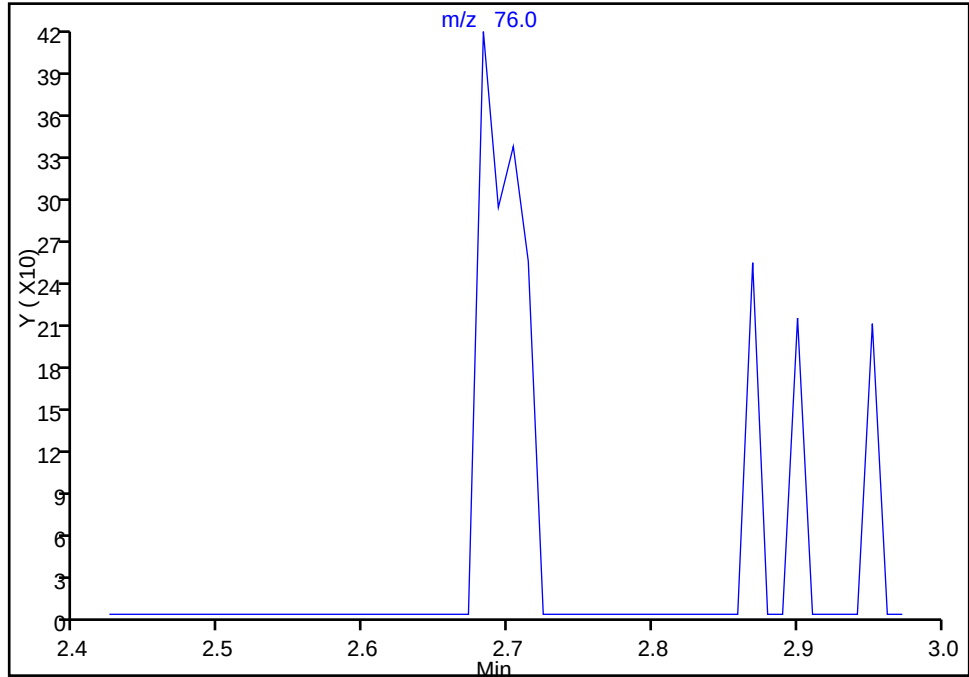
Data File:	\\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3852.D				
Injection Date:	15-Jan-2018 21:39:30	Instrument ID:	HP5975T		
Lims ID:	480-129995-A-12	Lab Sample ID:	480-129995-12		
Client ID:	MW-13D				
Operator ID:	RR	ALS Bottle#:	23	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	T-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN		

25 Carbon disulfide, CAS: 75-15-0

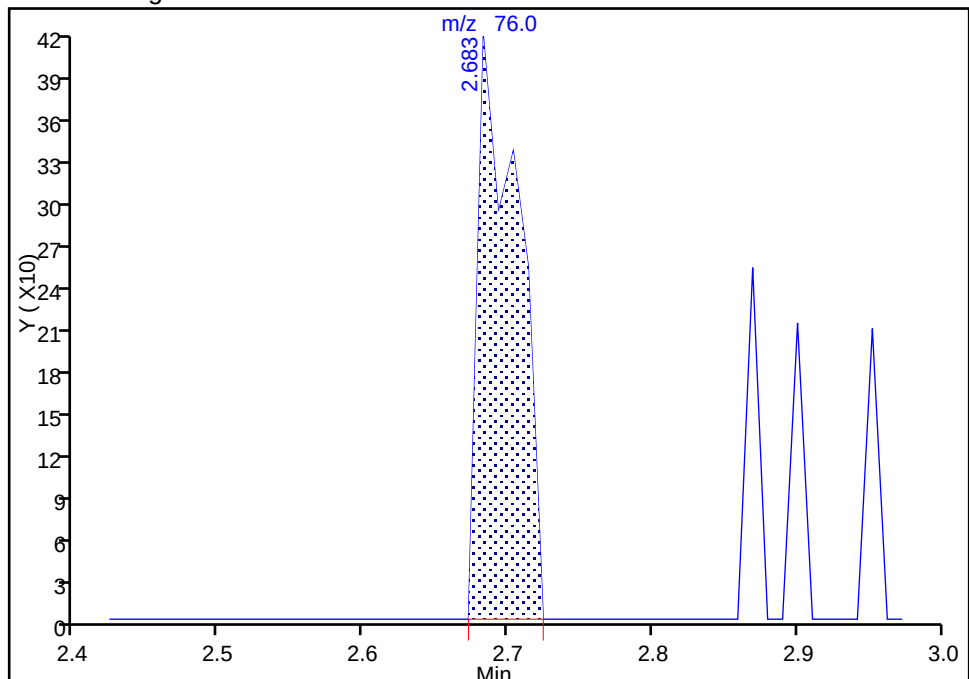
Signal: 1

Not Detected
Expected RT: 2.69

Processing Integration Results



Manual Integration Results



RT: 2.68
Area: 794
Amount: 0.036235
Amount Units: ug/L

Reviewer: reiler, 16-Jan-2018 13:45:37

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3852.D

Injection Date: 15-Jan-2018 21:39:30

Instrument ID: HP5975T

Lims ID: 480-129995-A-12

Lab Sample ID: 480-129995-12

Client ID: MW-13D

Operator ID: RR

ALS Bottle#: 23 Worklist Smp#: 26

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

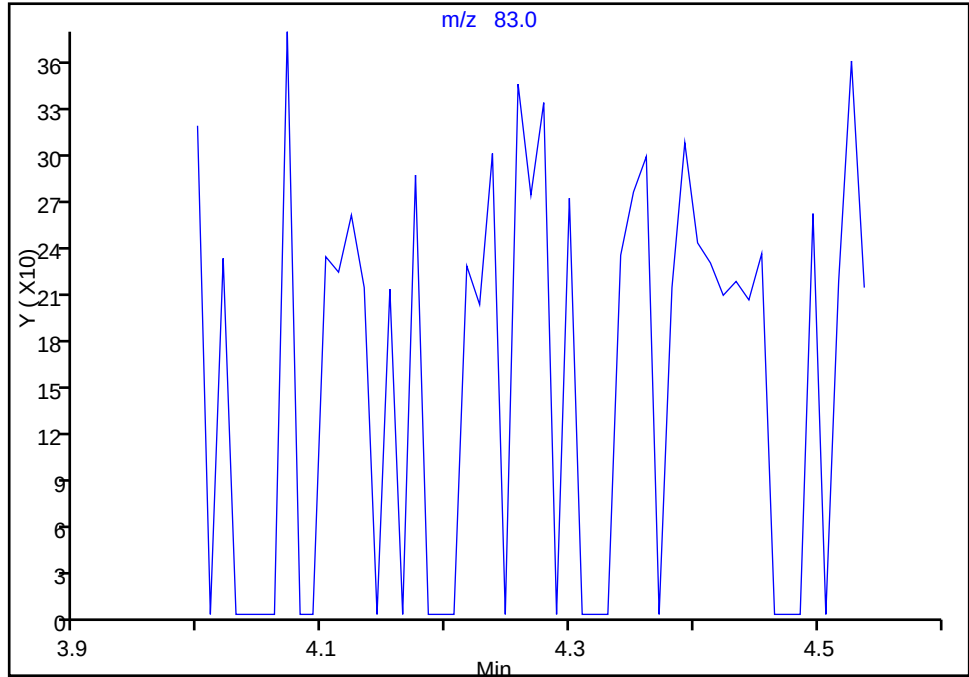
50 Chloroform, CAS: 67-66-3

Signal: 1

Not Detected

Expected RT: 4.28

Processing Integration Results



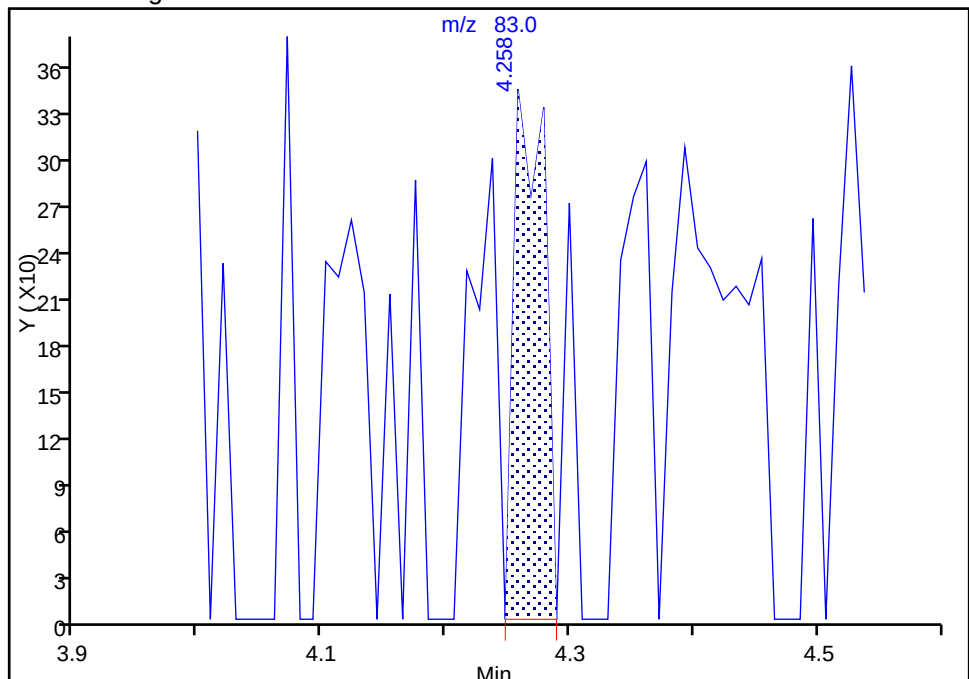
RT: 4.26

Area: 589

Amount: 0.040378

Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 16-Jan-2018 13:45:58

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3852.D

Injection Date: 15-Jan-2018 21:39:30

Instrument ID: HP5975T

Lims ID: 480-129995-A-12

Lab Sample ID: 480-129995-12

Client ID: MW-13D

Operator ID: RR

ALS Bottle#: 23 Worklist Smp#: 26

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

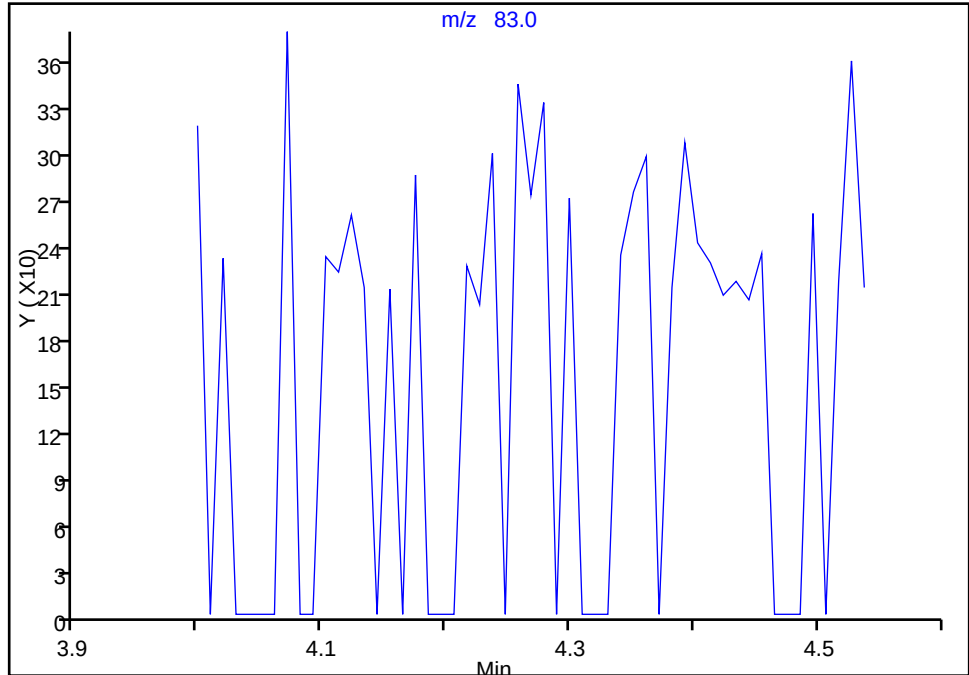
50 Chloroform, CAS: 67-66-3

Signal: 1

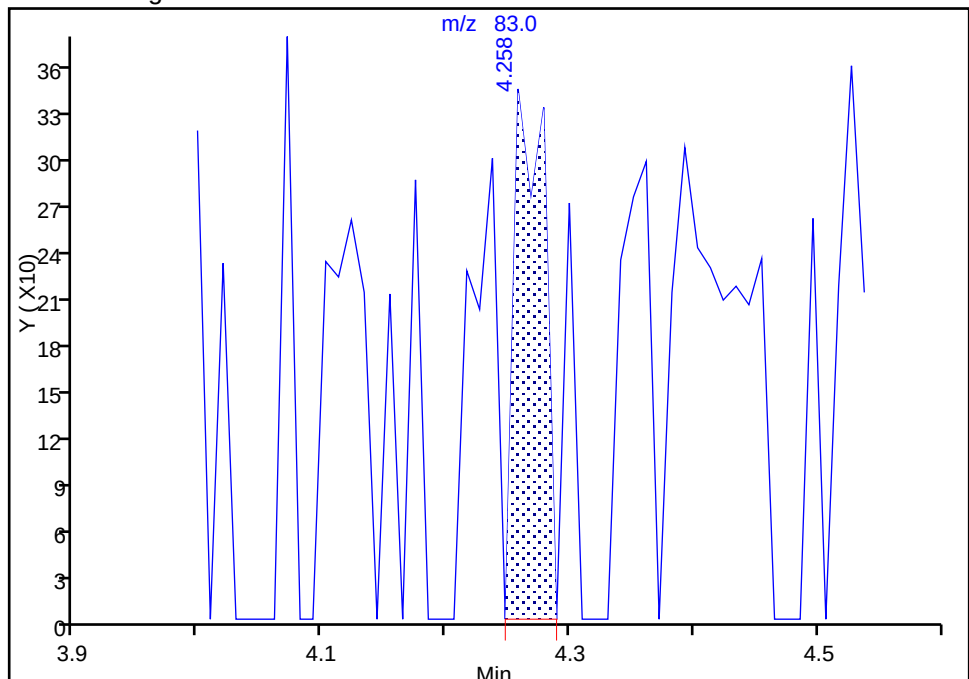
Not Detected

Expected RT: 4.28

Processing Integration Results



Manual Integration Results



RT: 4.26

Area: 589

Amount: 0.040378

Amount Units: ug/L

Reviewer: reiler, 16-Jan-2018 13:46:01

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>GWCT</u>	Lab Sample ID: <u>480-129995-13</u>
Matrix: <u>Water</u>	Lab File ID: <u>95560P.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/08/2018 11:30</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/15/2018 17:36</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395765</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	64		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	5.1		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
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: GWCT Lab Sample ID: 480-129995-13

Matrix: Water Lab File ID: 95560P.D

Analysis Method: 8260C Date Collected: 01/08/2018 11:30

Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 17:36

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 395765 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	7.4		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
2037-26-5	Toluene-d8 (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	111		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95560P.D
 Lims ID: 480-129995-A-13
 Client ID: GWCT
 Sample Type: Client
 Inject. Date: 15-Jan-2018 17:36:30 ALS Bottle#: 100 Worklist Smp#: 25
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-129995-a-13
 Misc. Info.: 480-0068571-025
 Operator ID: RB Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 10:57:05 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: baroner

Date: 16-Jan-2018 10:57:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.428	10.421	0.007	97	155837	25.0	
* 2 Chlorobenzene-d5	82	14.376	14.376	0.000	92	379272	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.332	17.332	0.000	94	456346	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.624	9.630	0.000	93	237510	27.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.081	10.075	0.006	0	138364	24.8	
\$ 5 Toluene-d8 (Surr)	98	12.417	12.417	0.000	95	840313	23.8	
\$ 6 4-Bromofluorobenzene (Surr	174	15.872	15.872	0.000	94	299175	23.9	
10 Dichlorodifluoromethane	85		4.326				ND	
11 Chloromethane	50		4.745				ND	
17 Vinyl chloride	62	4.952	4.970	0.006	96	112591	7.39	
12 Bromomethane	94		5.585				ND	
13 Chloroethane	64	5.713	5.713	0.000	91	526413	64.0	
14 Trichlorofluoromethane	101		6.065				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.735				ND	
25 1,1-Dichloroethene	96		6.820				ND	
24 Acetone	43	6.887	6.887	0.006	32	4718	0.5030	7
27 Carbon disulfide	76		7.227				ND	
30 Methyl acetate	43		7.246				ND	
31 Methylene Chloride	84		7.471				ND	
32 Methyl tert-butyl ether	73		7.684				ND	
35 trans-1,2-Dichloroethene	96	7.775	7.775	0.006	53	4412	0.4265	
40 1,1-Dichloroethane	63	8.323	8.335	-0.012	1	4111	0.1621	
44 2-Butanone (MEK)	43		9.010				ND	
43 cis-1,2-Dichloroethene	96	9.047	9.053	0.007	87	62342	5.10	
49 Chloroform	83		9.411				ND	
52 1,1,1-Trichloroethane	97		9.637				ND	
54 Cyclohexane	56		9.691				ND	
55 Carbon tetrachloride	117		9.837				ND	
57 Benzene	78		10.117				ND	
60 1,2-Dichloroethane	62		10.178				ND	
62 Trichloroethene	95		10.878				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		11.072				ND	
63 1,2-Dichloropropane	63		11.218				ND	
70 Dichlorobromomethane	83		11.553				ND	
73 cis-1,3-Dichloropropene	75		12.088				ND	
75 4-Methyl-2-pentanone (MIBK)	43		12.192				ND	
76 Toluene	92		12.508				ND	
78 trans-1,3-Dichloropropene	75		12.800				ND	
79 1,1,2-Trichloroethane	83		13.086				ND	
80 Tetrachloroethene	166		13.232				ND	
83 2-Hexanone	43		13.275				ND	
81 Chlorodibromomethane	129		13.664				ND	
85 Ethylene Dibromide	107		13.859				ND	
87 Chlorobenzene	112		14.418				ND	
89 Ethylbenzene	91	14.467	14.461	0.006	93	8957	0.1657	
90 m-Xylene & p-Xylene	106	14.595	14.595	0.000	0	4473	0.2111	7
93 o-Xylene	106	15.142	15.142	-0.006	9	2354	0.1122	7
94 Styrene	104		15.173				ND	
92 Bromoform	173		15.562				ND	
95 Isopropylbenzene	105		15.574				ND	
97 1,1,2,2-Tetrachloroethane	83		16.043				ND	
110 1,3-Dichlorobenzene	146		17.259				ND	
111 1,4-Dichlorobenzene	146		17.363				ND	
116 1,2-Dichlorobenzene	146		17.862				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.914				ND	
119 1,2,4-Trichlorobenzene	180		20.015				ND	
S 126 Xylenes, Total	1				0		0.3233	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00280

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00261

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95560P.D

Injection Date: 15-Jan-2018 17:36:30

Instrument ID: HP5973P

Operator ID: RB

Lims ID: 480-129995-A-13

Lab Sample ID: 480-129995-13

Worklist Smp#: 25

Client ID: GWCT

Purge Vol: 5.000 mL

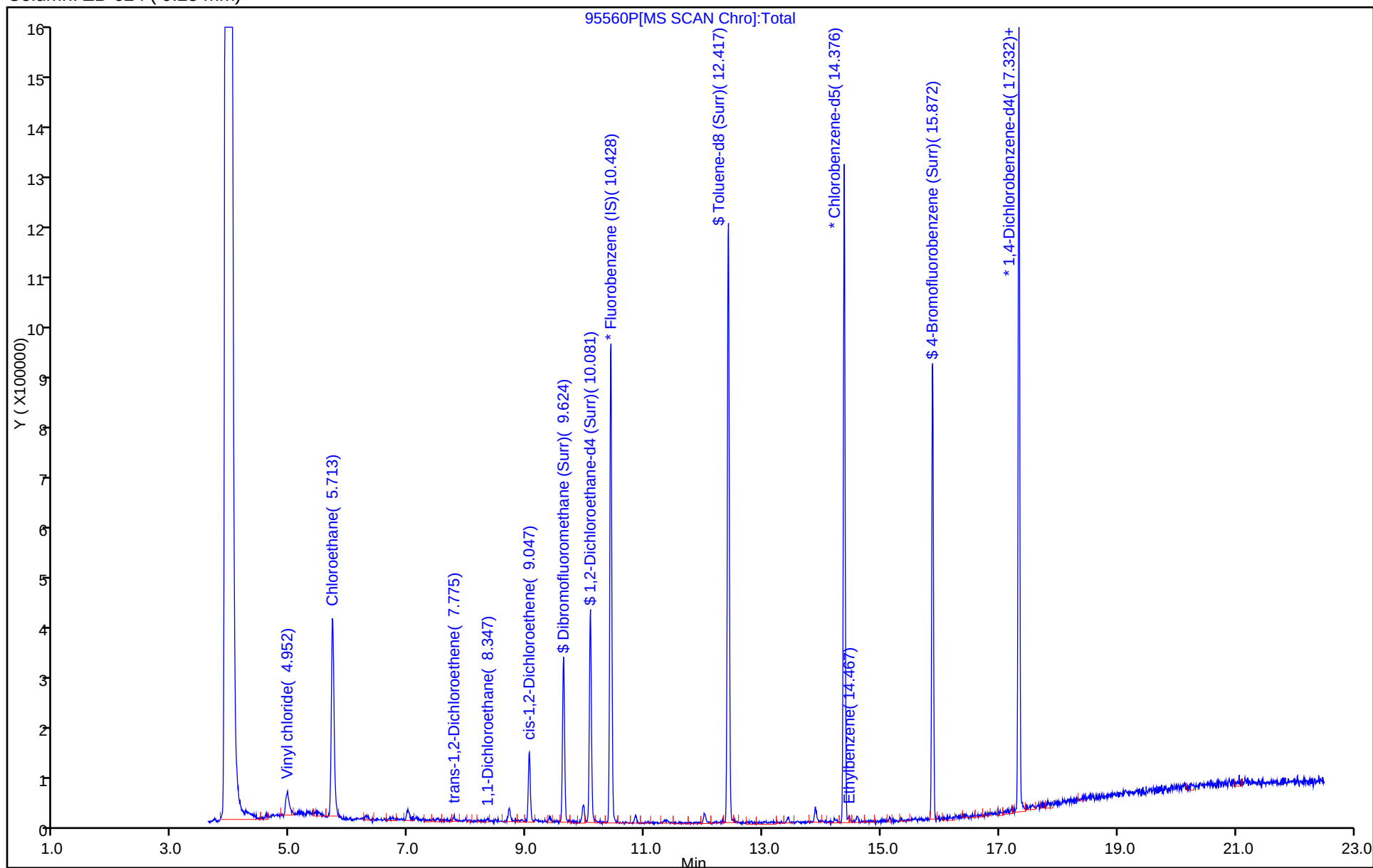
Dil. Factor: 1.0000

ALS Bottle#: 100

Method: P-8260H2O

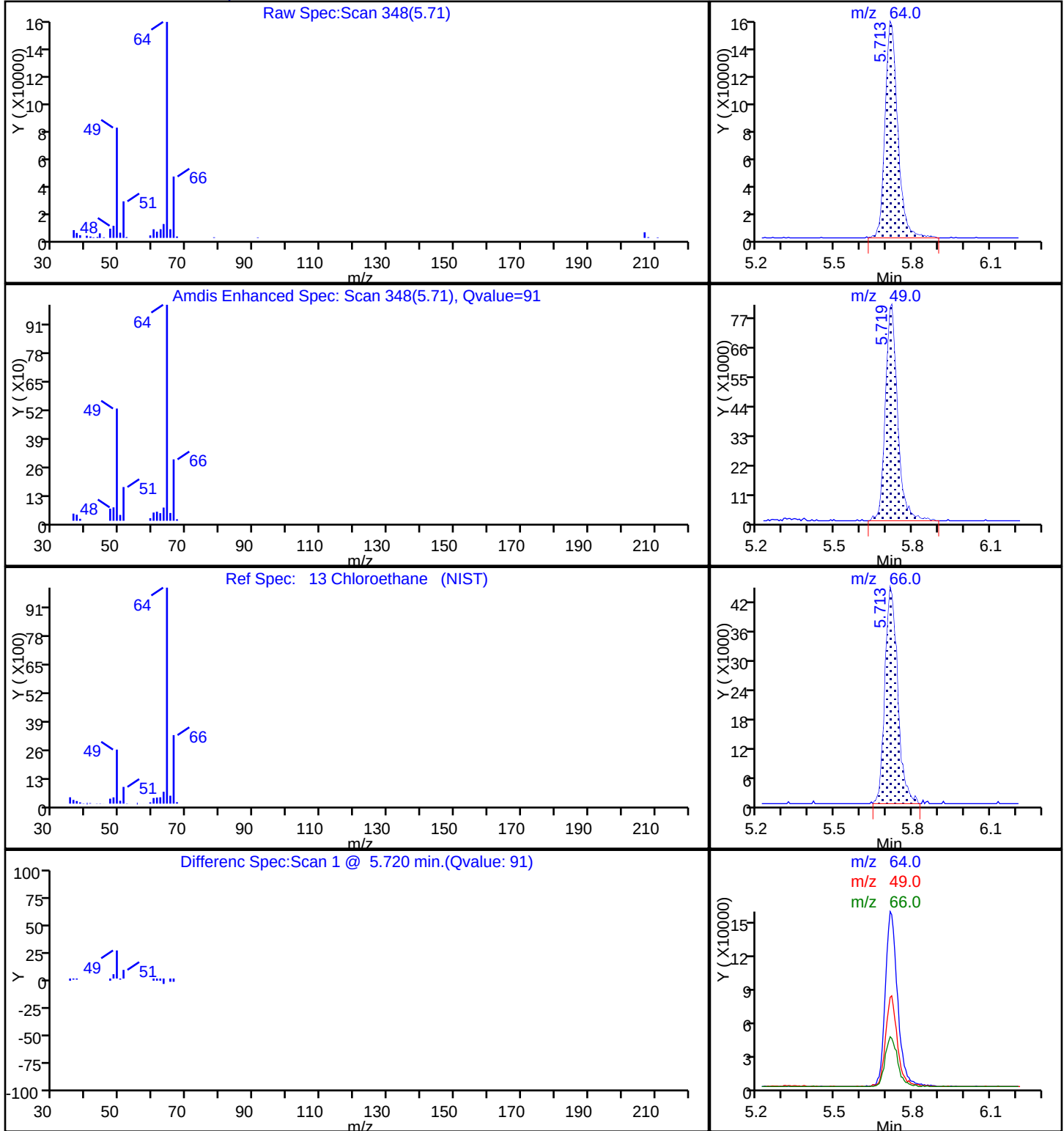
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



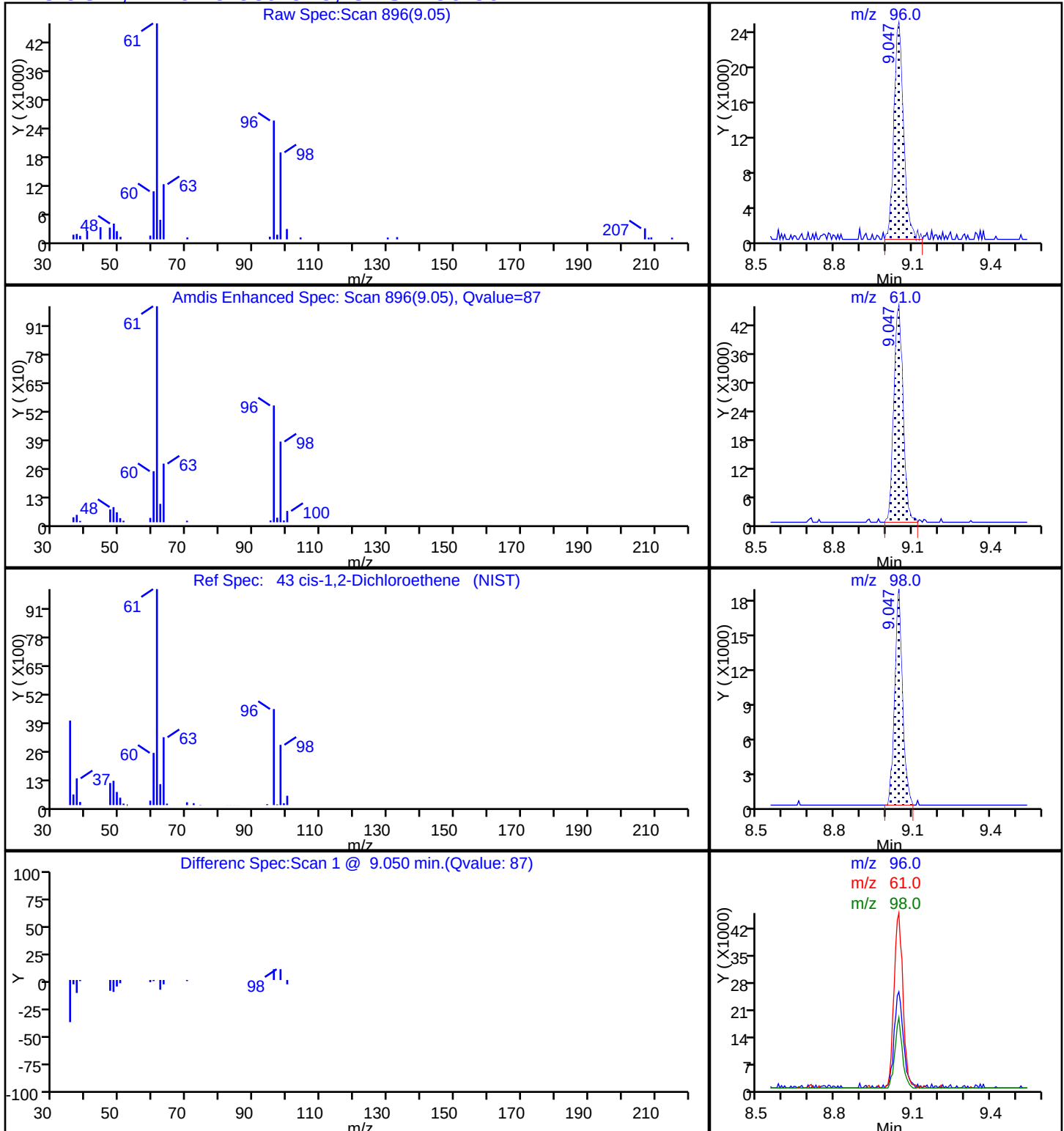
TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95560P.D
Injection Date: 15-Jan-2018 17:36:30 Instrument ID: HP5973P
Lims ID: 480-129995-A-13 Lab Sample ID: 480-129995-13
Client ID: GWCT
Operator ID: RB ALS Bottle#: 100 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

13 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95560P.D
Injection Date: 15-Jan-2018 17:36:30 Instrument ID: HP5973P
Lims ID: 480-129995-A-13 Lab Sample ID: 480-129995-13
Client ID: GWCT
Operator ID: RB ALS Bottle#: 100 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20180115-68571.b\\95560P.D

Injection Date: 15-Jan-2018 17:36:30

Instrument ID: HP5973P

Lims ID: 480-129995-A-13

Lab Sample ID: 480-129995-13

Client ID: GWCT

Operator ID: RB

ALS Bottle#: 100 Worklist Smp#: 25

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

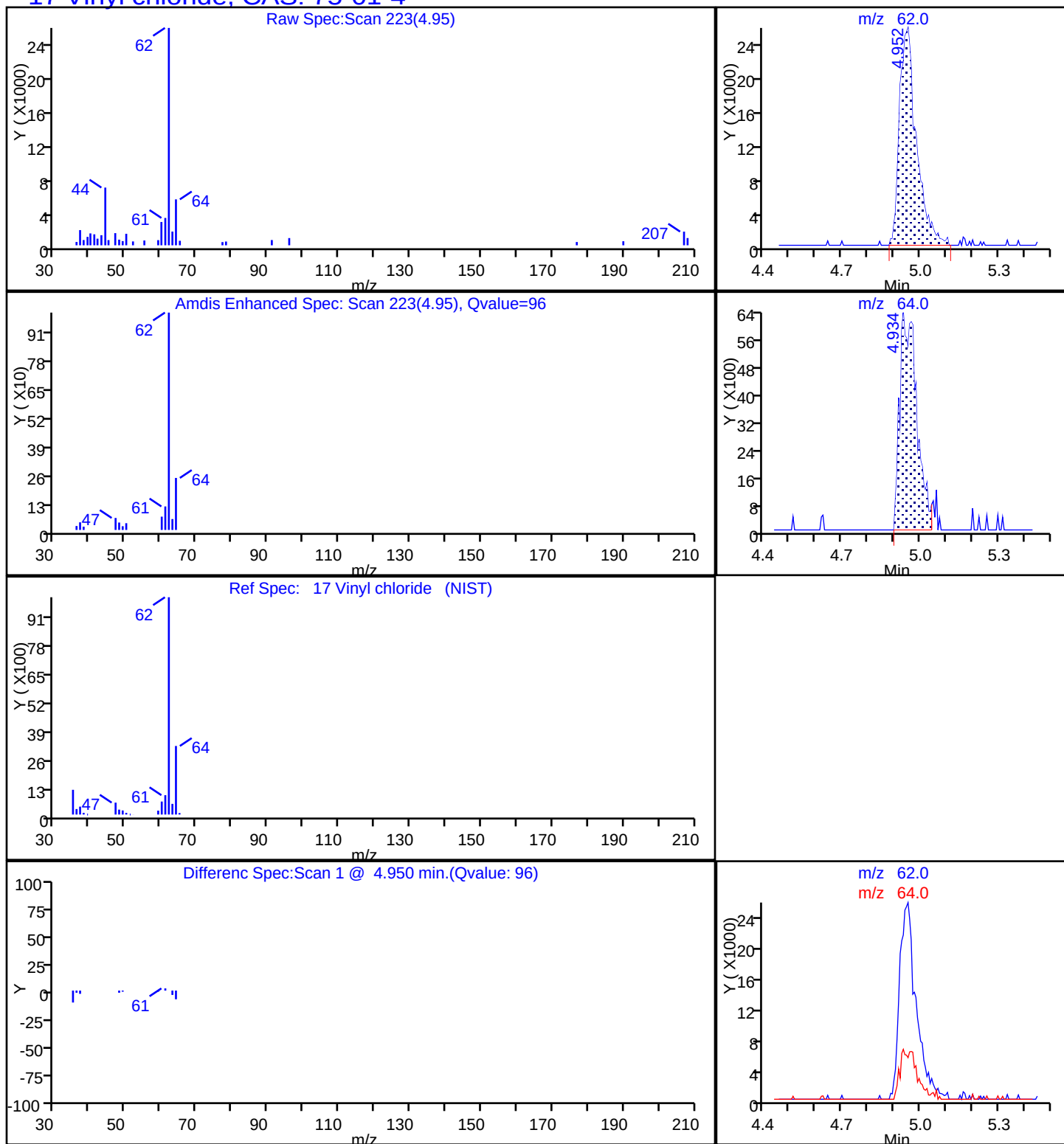
Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

17 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>DPT-1</u>	Lab Sample ID: <u>480-129995-14</u>
Matrix: <u>Water</u>	Lab File ID: <u>C1743.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/10/2018 12:30</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/16/2018 23:17</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>396044</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	67		1.0	0.38
75-35-4	1,1-Dichloroethene	0.98	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
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
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)	58		10	1.3
591-78-6	2-Hexanone	2.6	J	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	2.6	J	5.0	2.1
67-64-1	Acetone	160		10	3.0
71-43-2	Benzene	1.6		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	1.0		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	20		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	58		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	2.3		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: DPT-1 Lab Sample ID: 480-129995-14

Matrix: Water Lab File ID: C1743.D

Analysis Method: 8260C Date Collected: 01/10/2018 12:30

Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 23:17

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 396044 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	14		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	10		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	15		1.0	0.90
1330-20-7	Xylenes, Total	6.9		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	107		80-120
1868-53-7	Dibromofluoromethane (Surr)	110		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D
 Lims ID: 480-129995-B-14
 Client ID: DPT-1
 Sample Type: Client
 Inject. Date: 16-Jan-2018 23:17:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-129995-b-14
 Misc. Info.: 480-0068612-008
 Operator ID: KN Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jan-2018 14:17:45 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: reiler

Date: 17-Jan-2018 14:15:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.345	9.345	0.000	99	179779	25.0	
* 2 Chlorobenzene-d5	82	11.753	11.753	0.000	86	394399	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	95	420261	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	272523	27.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	97	155654	28.1	
\$ 5 Toluene-d8 (Surr)	98	10.567	10.579	-0.012	93	980197	26.7	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.701	-0.012	92	332335	24.8	
10 Dichlorodifluoromethane	85		4.460				ND	
12 Chloromethane	50		4.887				ND	
13 Vinyl chloride	62	5.088	5.100	-0.012	98	263613	14.6	
14 Bromomethane	94		5.705				ND	
15 Chloroethane	64	5.823	5.835	-0.012	100	226619	20.5	
17 Trichlorofluoromethane	101		6.179				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.748				ND	
22 1,1-Dichloroethene	96	6.808	6.808	0.000	33	13681	0.9837	
23 Acetone	43	6.843	6.843	0.000	98	706018	156.7	
26 Carbon disulfide	76	7.128	7.128	0.000	100	54757	1.04	
27 Methyl acetate	43		7.140				ND	
30 Methylene Chloride	84	7.306	7.318	-0.012	1	6769	0.3966	M
32 Methyl tert-butyl ether	73		7.495				ND	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	83	15747	1.00	
39 1,1-Dichloroethane	63	7.946	7.946	0.000	96	1687313	67.1	
43 2-Butanone (MEK)	43	8.397	8.397	0.000	100	351583	58.0	M
45 cis-1,2-Dichloroethene	96	8.432	8.444	-0.012	79	1025491	57.8	
50 Chloroform	83		8.669				ND	
51 1,1,1-Trichloroethane	97		8.859				ND	
52 Cyclohexane	56		8.907				ND	
55 Carbon tetrachloride	117		9.001				ND	
58 1,2-Dichloroethane	62		9.167				ND	
57 Benzene	78	9.167	9.167	0.000	95	93595	1.61	
62 Trichloroethene	95	9.630	9.642	-0.012	95	162739	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		9.784				ND	M
65 1,2-Dichloropropane	63		9.832				ND	
68 Dichlorobromomethane	83		10.033				ND	
72 cis-1,3-Dichloropropene	75		10.353				ND	
73 4-Methyl-2-pentanone (MIBK)	43	10.389	10.389	0.000	93	31844	2.60	
74 Toluene	92	10.626	10.626	0.000	98	522607	13.8	
77 trans-1,3-Dichloropropene	75		10.768				ND	
79 1,1,2-Trichloroethane	83		10.946				ND	
80 2-Hexanone	43	11.029	11.029	0.000	77	23432	2.61	
81 Tetrachloroethene	166		11.077				ND	
83 Chlorodibromomethane	129		11.302				ND	
84 Ethylene Dibromide	107		11.444				ND	
87 Chlorobenzene	112		11.776				ND	
88 Ethylbenzene	91	11.788	11.788	0.000	98	163132	2.33	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	99	111685	3.94	
91 o-Xylene	106	12.215	12.215	0.000	98	82183	2.96	
92 Styrene	104		12.227				ND	M
95 Bromoform	173		12.488				ND	
94 Isopropylbenzene	105	12.488	12.488	0.000	1	11573	0.1616	M
97 1,1,2,2-Tetrachloroethane	83		12.761				ND	
111 1,3-Dichlorobenzene	146		13.709				ND	
113 1,4-Dichlorobenzene	146		13.780				ND	
116 1,2-Dichlorobenzene	146		14.196				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.061				ND	
119 1,2,4-Trichlorobenzene	180	16.105	16.105	0.000	1	1975	0.0747	7M
S 124 Xylenes, Total	1				0		6.90	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

C_8260_IS_00105

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00122

Amount Added: 1.00

Units: uL

Run Reagent

Chrom Revision: 2.2 08-Dec-2017 11:41:26

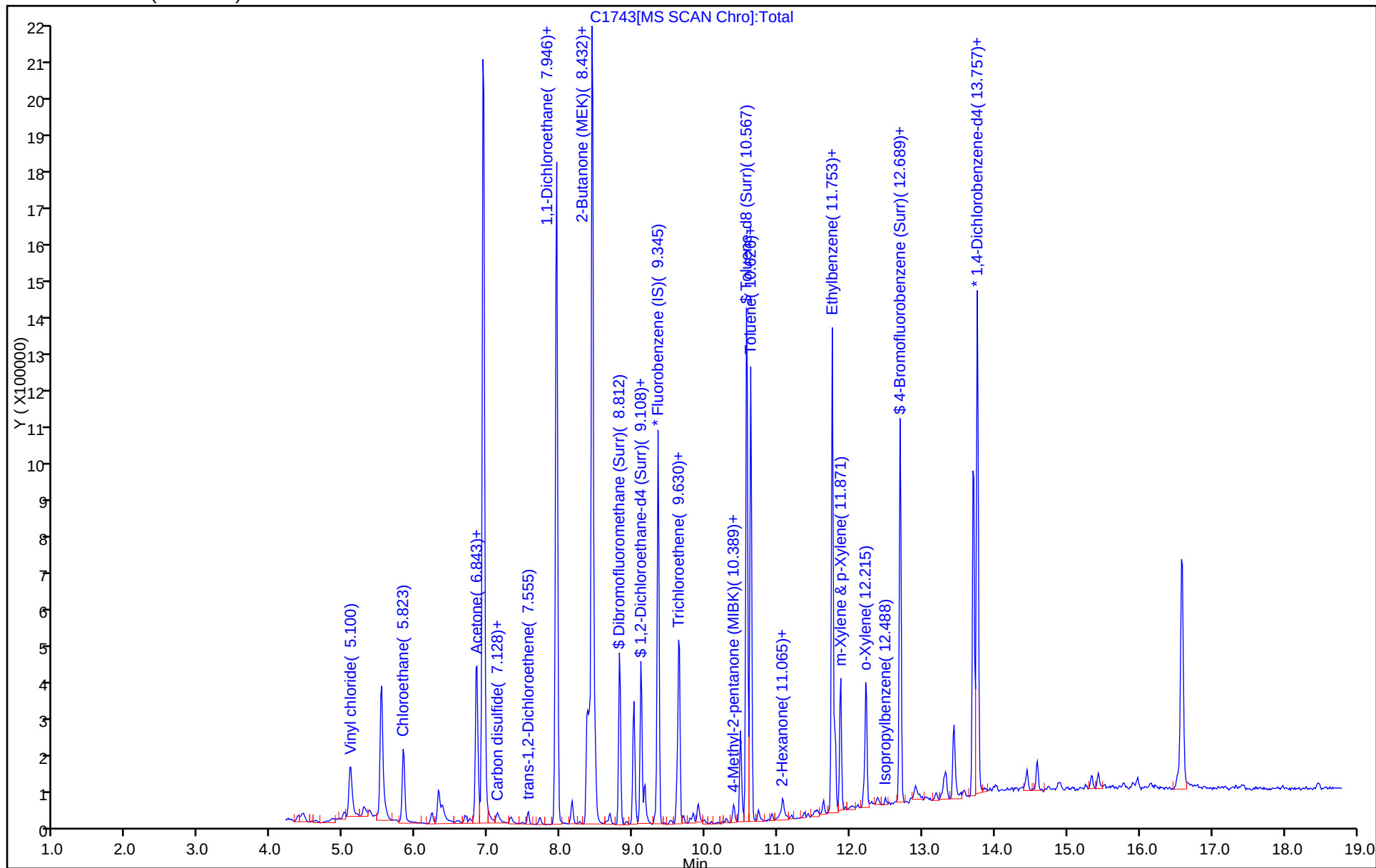
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Operator ID: KN

Worklist Smp#: 8

ALS Bottle#: 7

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D

Injection Date: 16-Jan-2018 23:17:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-14

Lab Sample ID: 480-129995-14

Client ID: DPT-1

Operator ID: KN

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

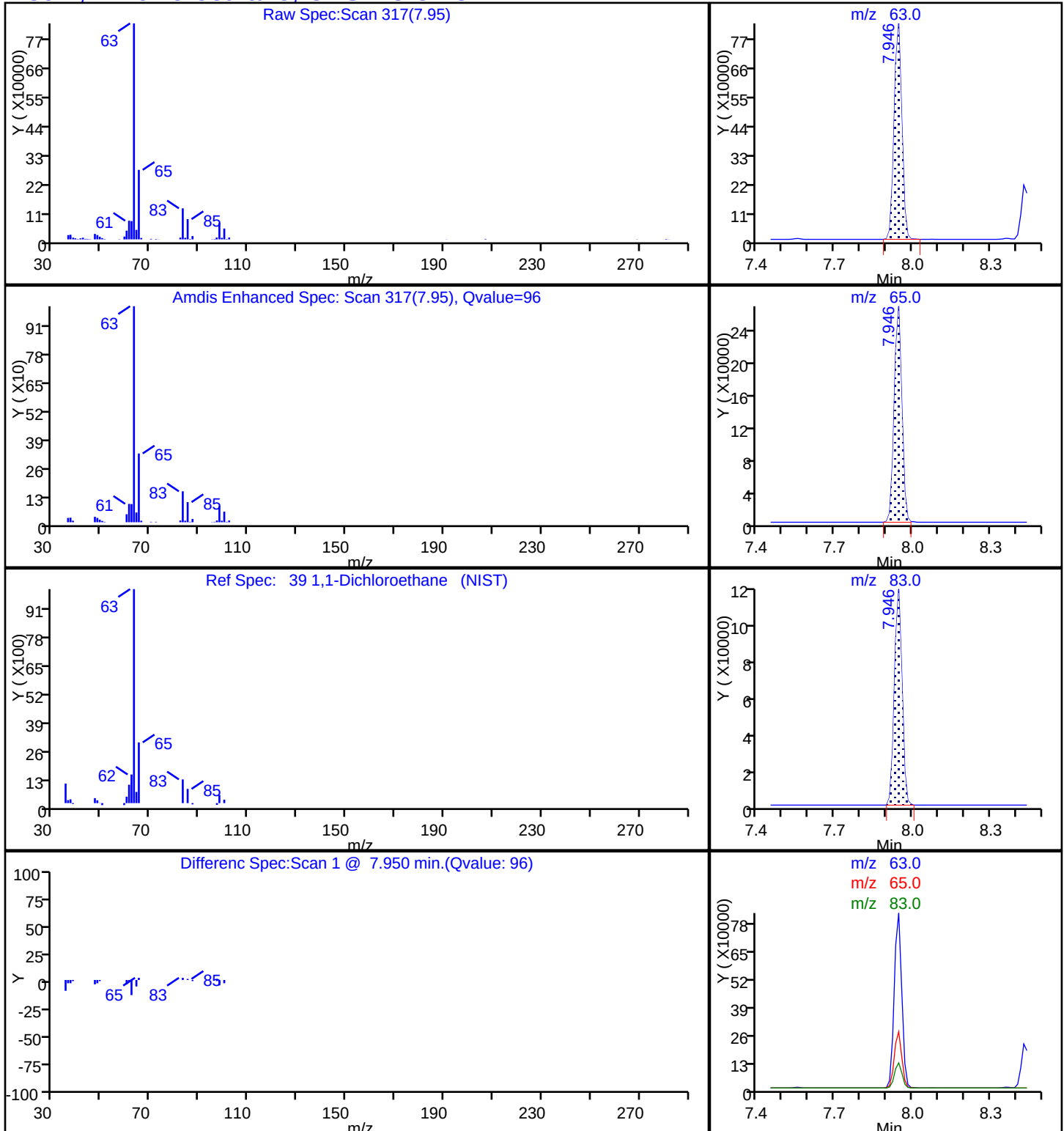
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D

Injection Date: 16-Jan-2018 23:17:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-14

Lab Sample ID: 480-129995-14

Client ID: DPT-1

Operator ID: KN

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

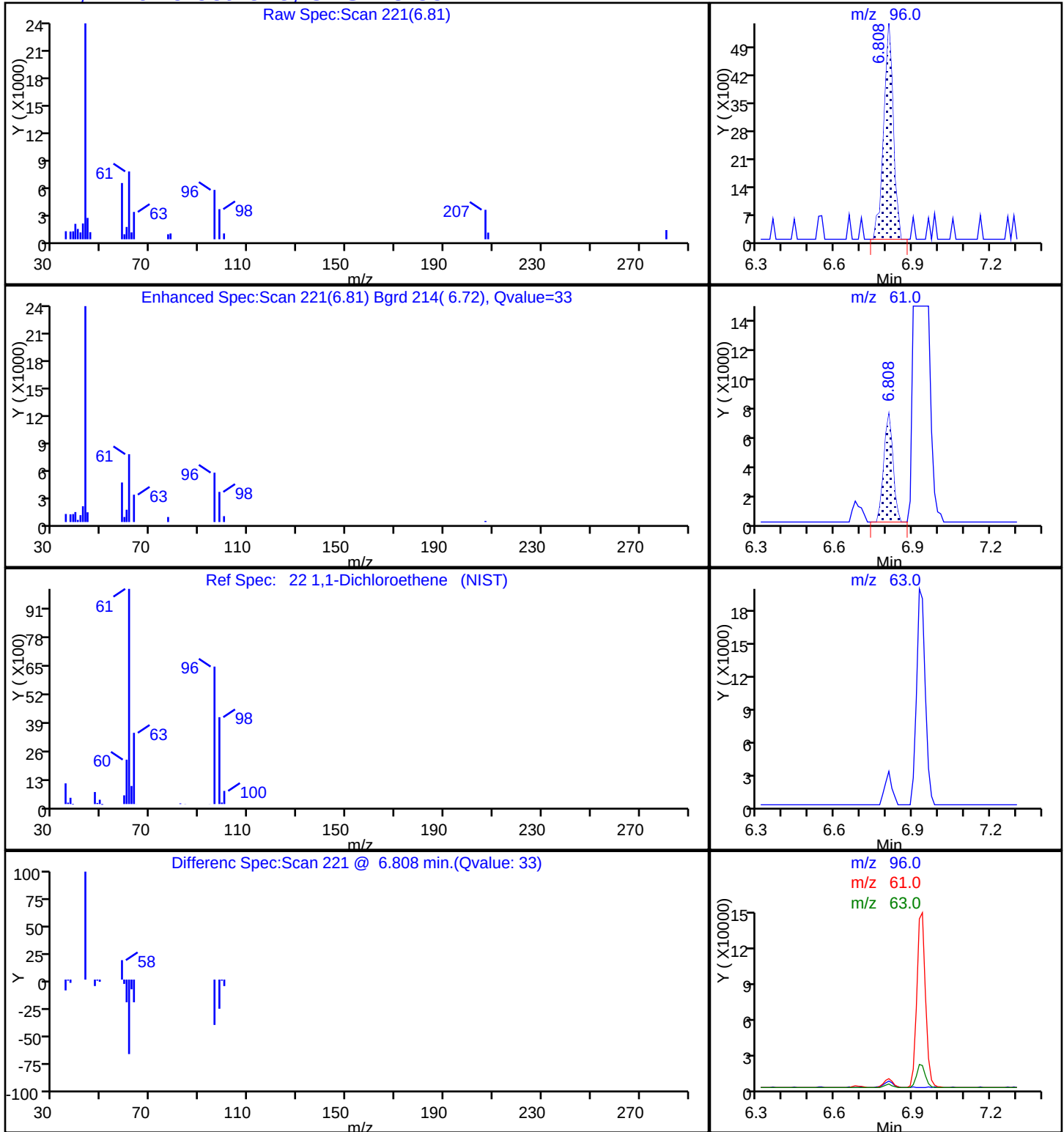
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D

Injection Date: 16-Jan-2018 23:17:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-14

Lab Sample ID: 480-129995-14

Client ID: DPT-1

Operator ID: KN

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

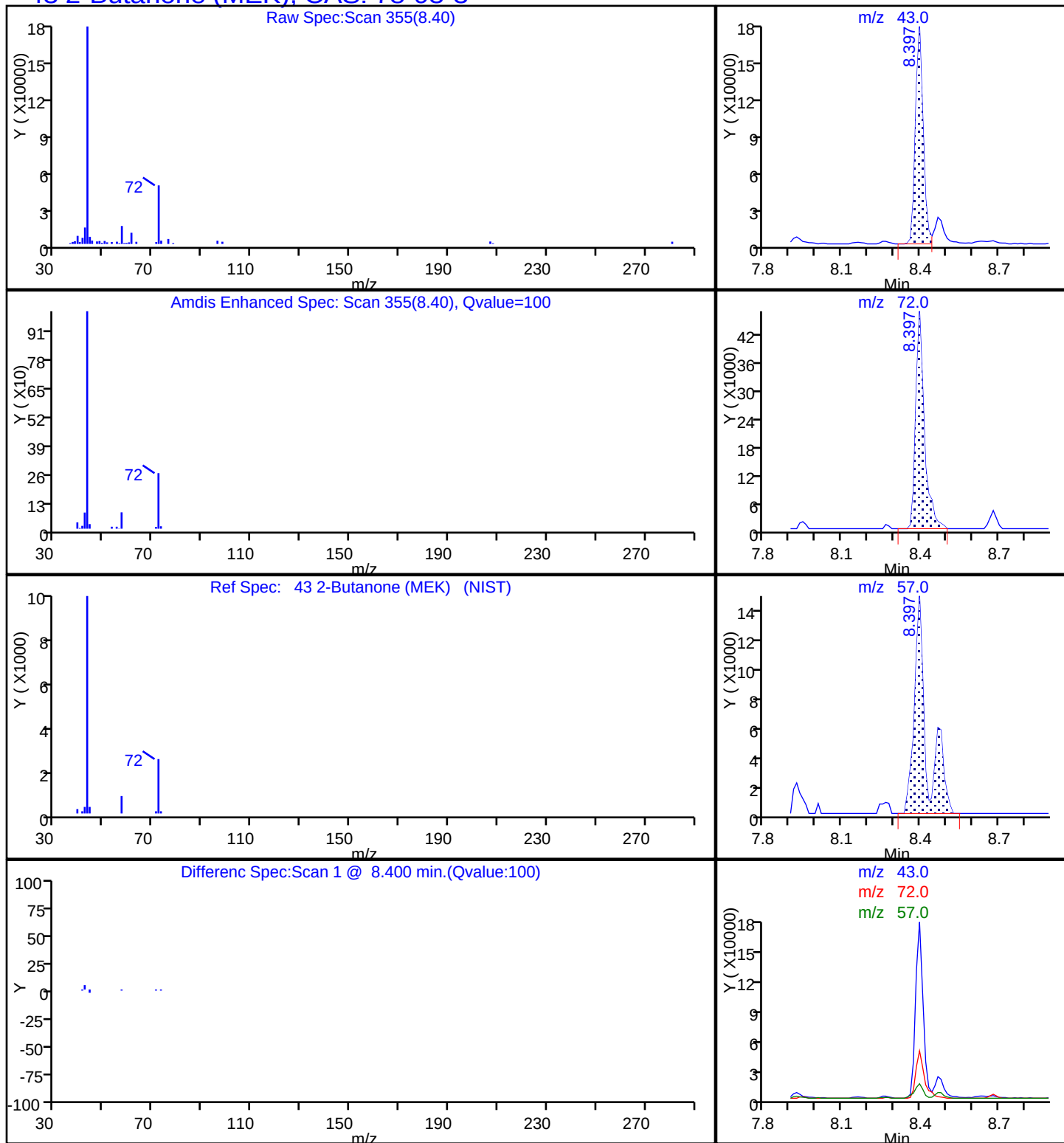
Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D

Injection Date: 16-Jan-2018 23:17:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-14

Lab Sample ID: 480-129995-14

Client ID: DPT-1

Operator ID: KN

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

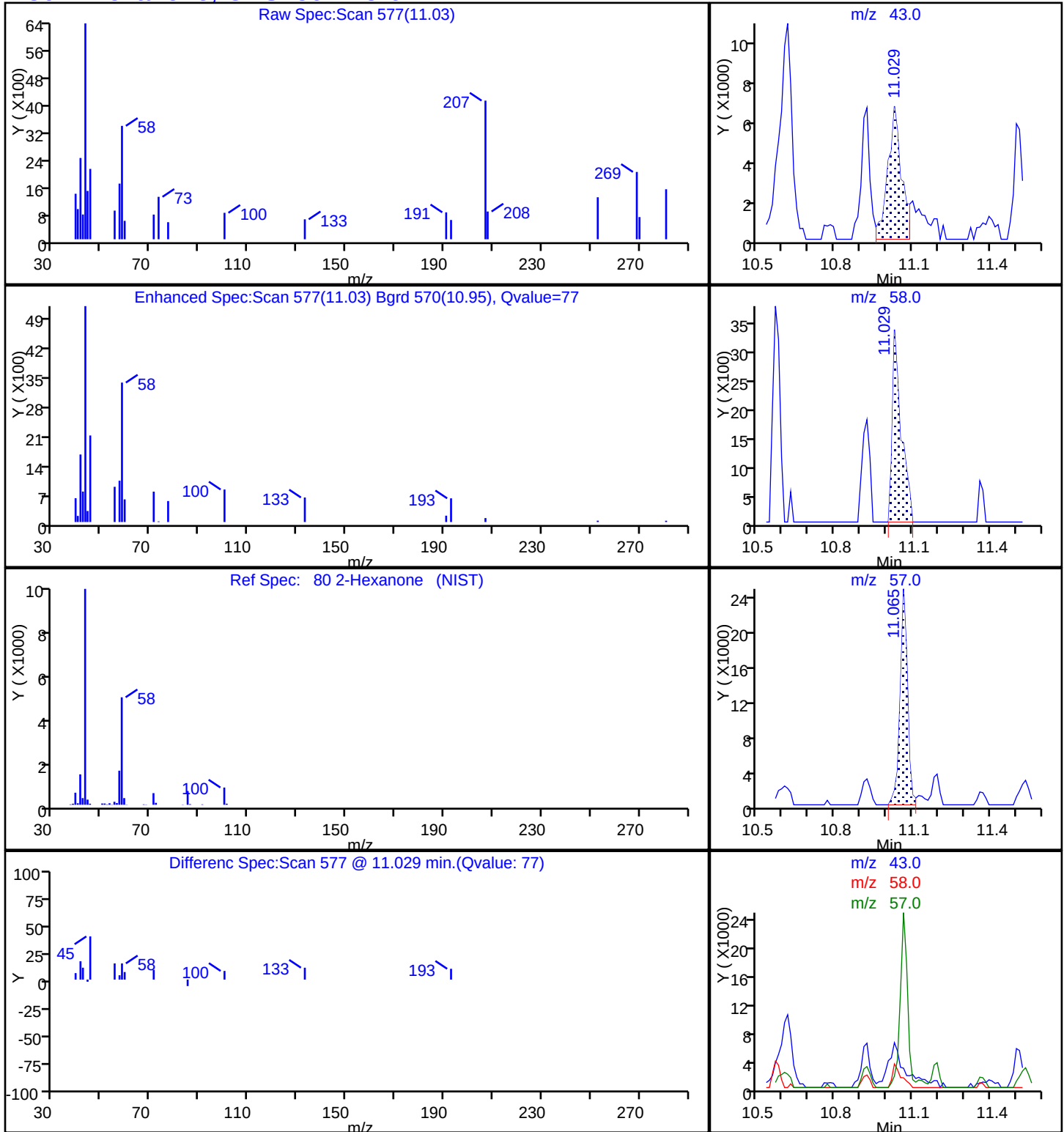
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

80 2-Hexanone, CAS: 591-78-6

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180116-68612.b\\C1743.D

Injection Date: 16-Jan-2018 23:17:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-14

Lab Sample ID: 480-129995-14

Client ID: DPT-1

Operator ID: KN

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

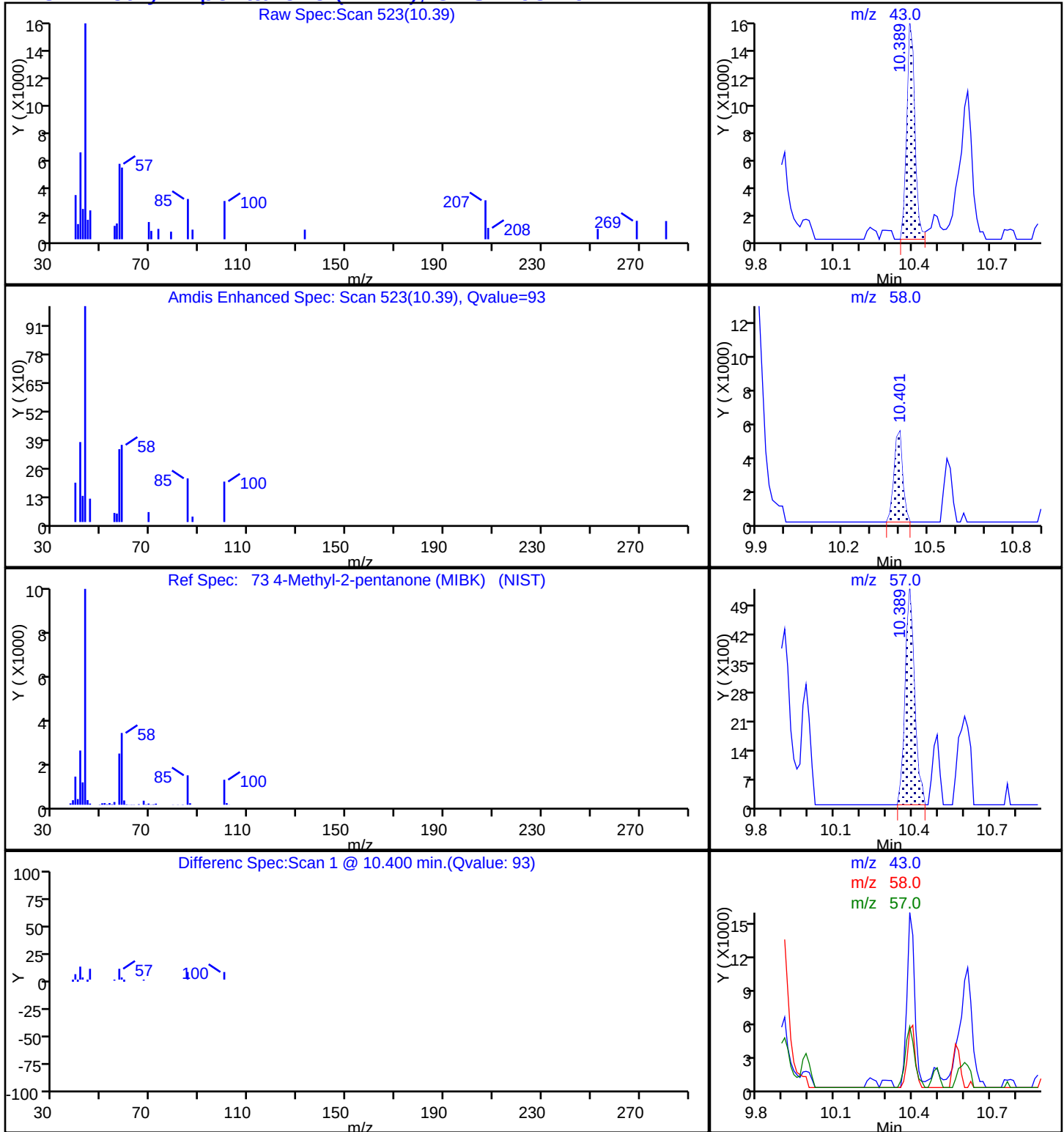
Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D

Injection Date: 16-Jan-2018 23:17:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-14

Lab Sample ID: 480-129995-14

Client ID: DPT-1

Operator ID: KN

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

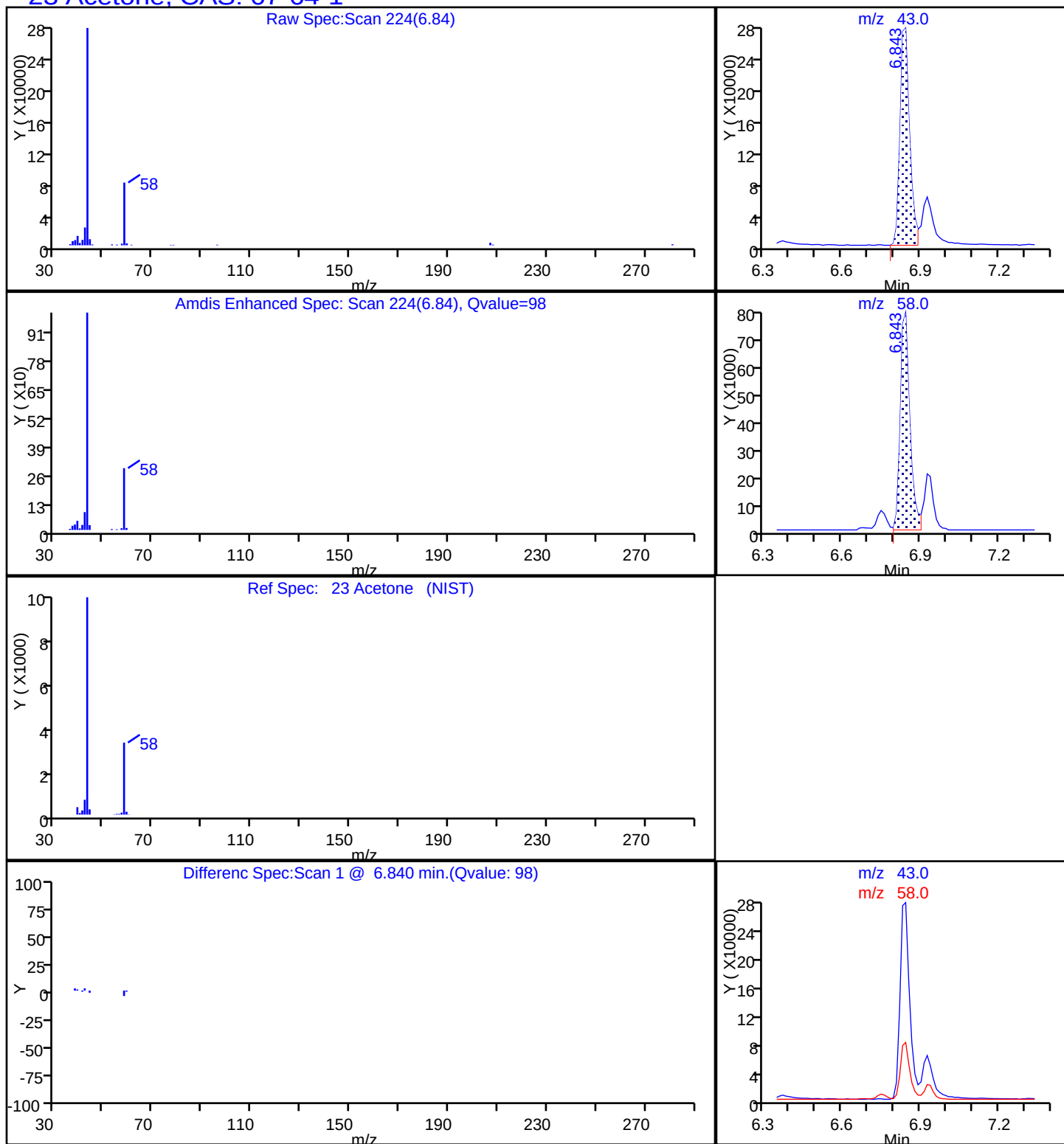
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D

Injection Date: 16-Jan-2018 23:17:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-14

Lab Sample ID: 480-129995-14

Client ID: DPT-1

Operator ID: KN

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

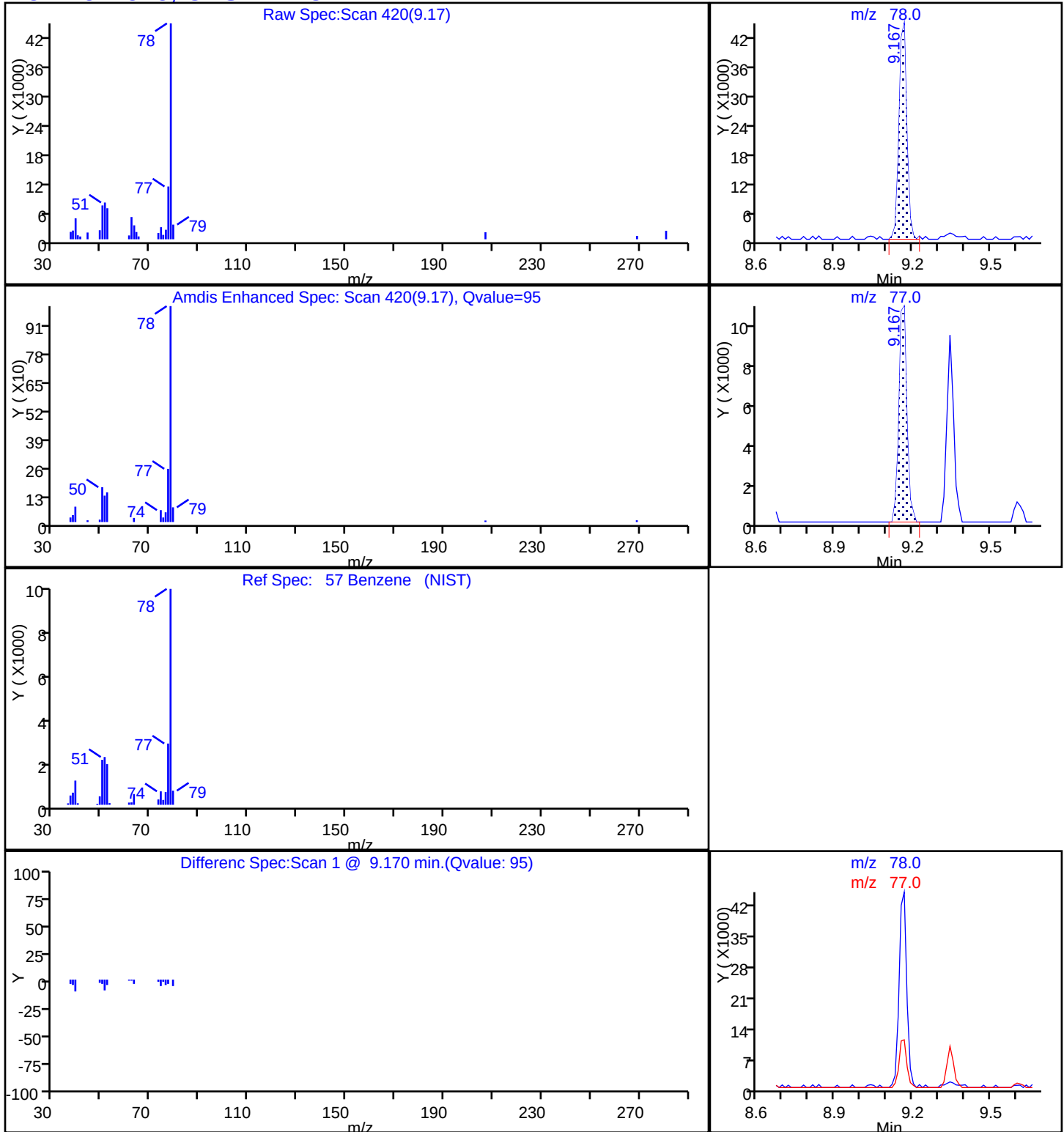
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

57 Benzene, CAS: 71-43-2

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180116-68612.b\\C1743.D

Injection Date: 16-Jan-2018 23:17:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-14

Lab Sample ID: 480-129995-14

Client ID: DPT-1

Operator ID: KN

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

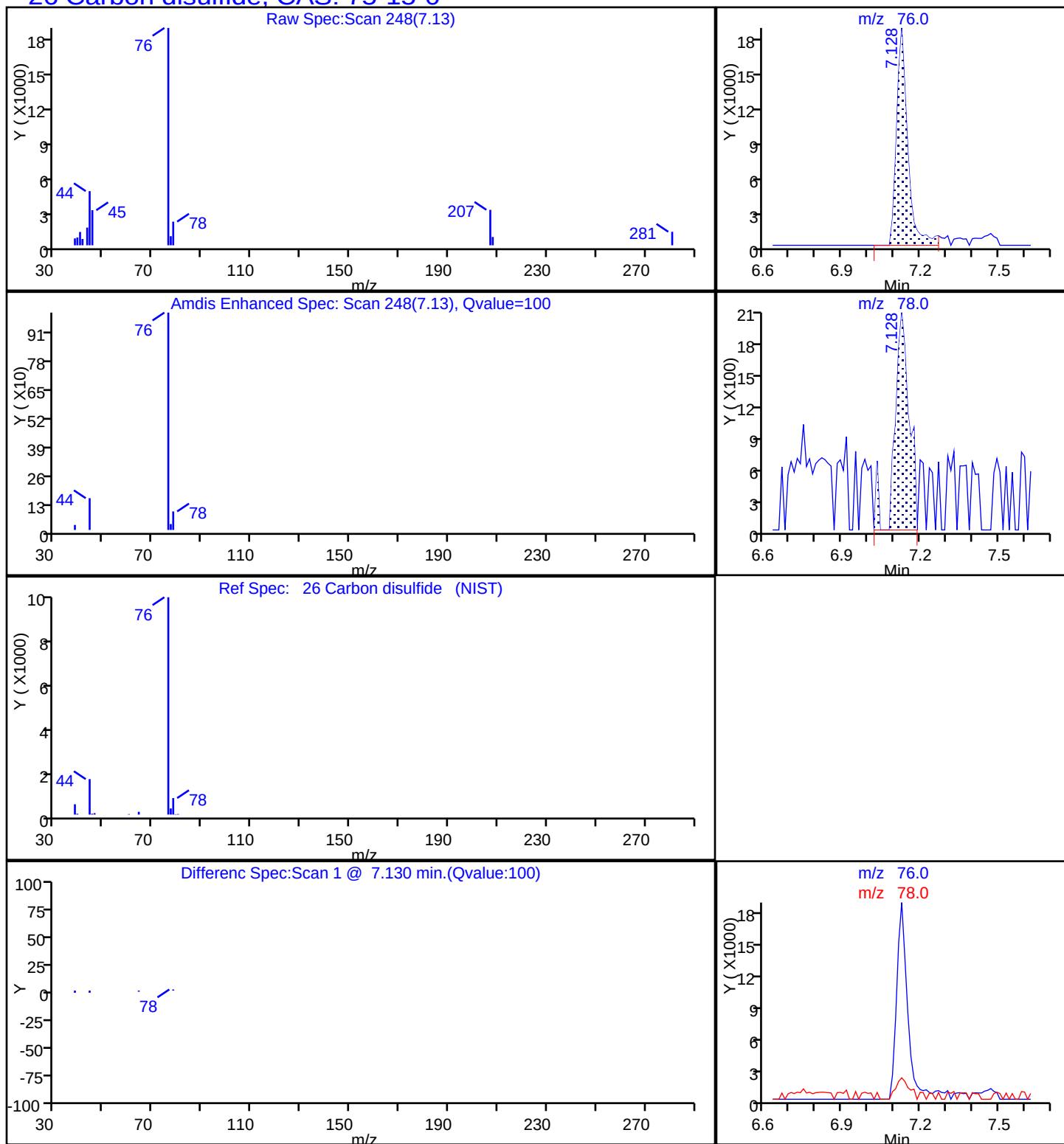
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

26 Carbon disulfide, CAS: 75-15-0

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D

Injection Date: 16-Jan-2018 23:17:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-14

Lab Sample ID: 480-129995-14

Client ID: DPT-1

Operator ID: KN

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

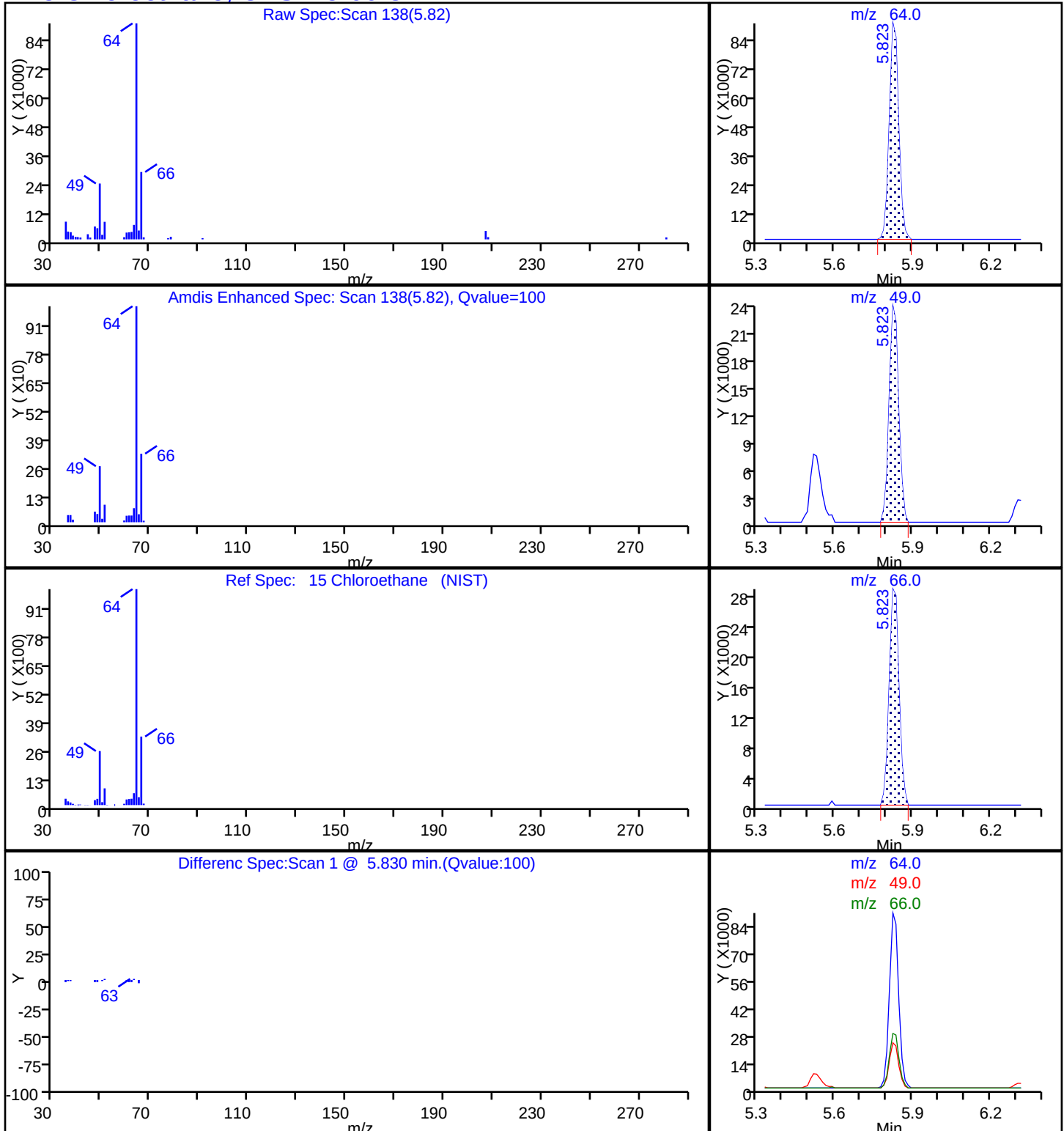
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D

Injection Date: 16-Jan-2018 23:17:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-14

Lab Sample ID: 480-129995-14

Client ID: DPT-1

Operator ID: KN

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

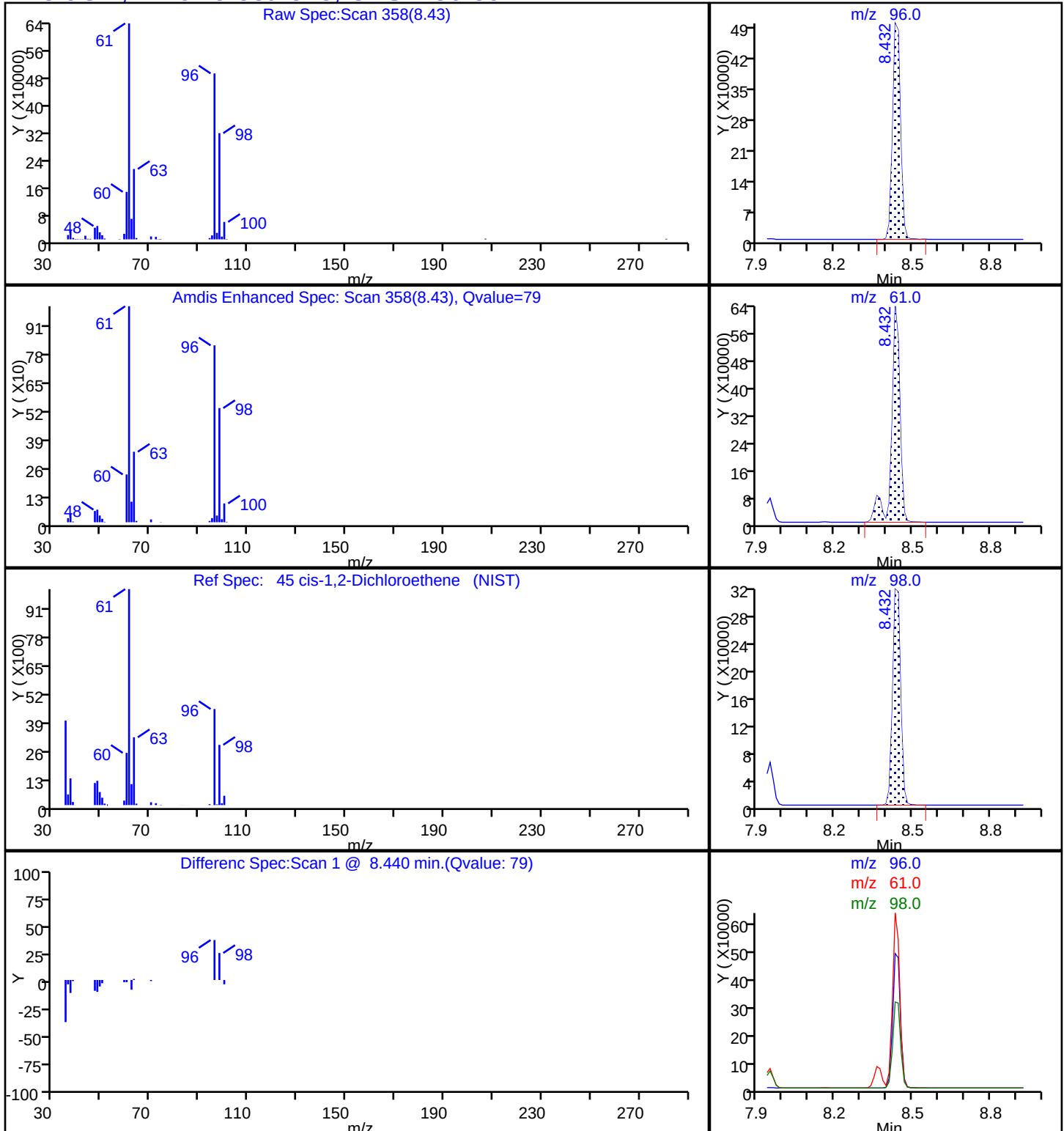
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D

Injection Date: 16-Jan-2018 23:17:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-14

Lab Sample ID: 480-129995-14

Client ID: DPT-1

Operator ID: KN

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

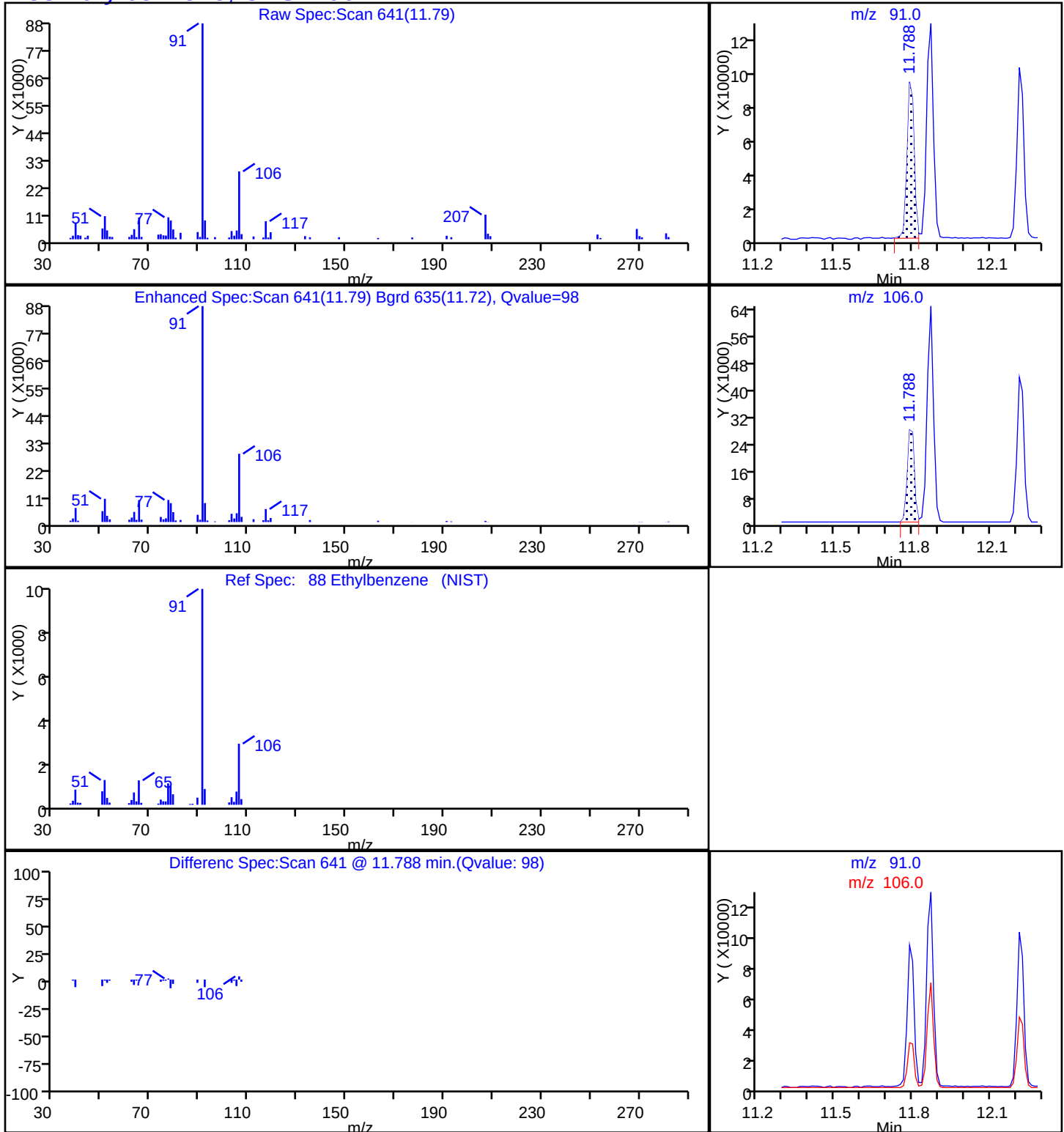
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

88 Ethylbenzene, CAS: 100-41-4

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180116-68612.b\\C1743.D

Injection Date: 16-Jan-2018 23:17:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-14

Lab Sample ID: 480-129995-14

Client ID: DPT-1

Operator ID: KN

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

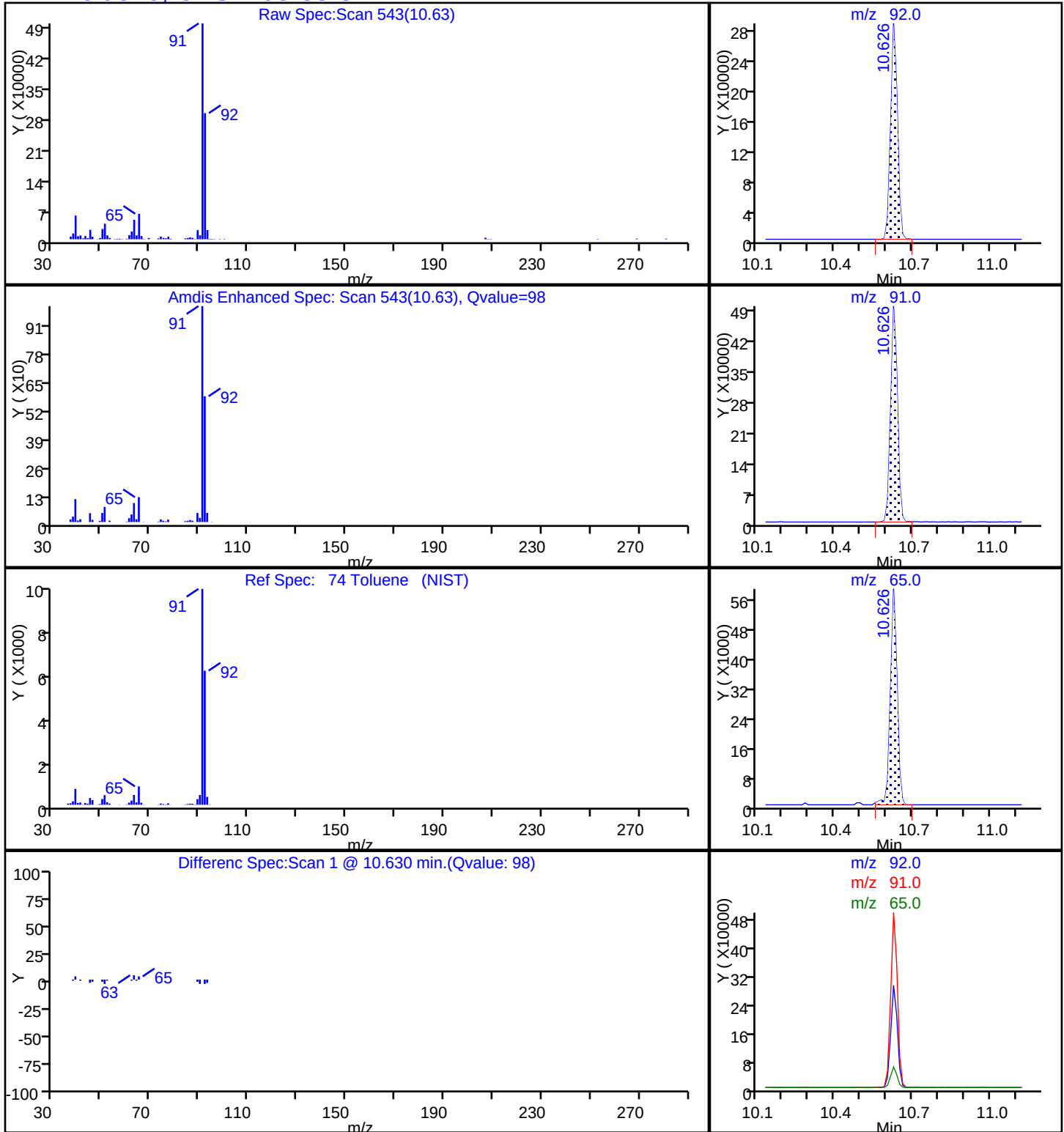
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

74 Toluene, CAS: 108-88-3

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180116-68612.b\\C1743.D

Injection Date: 16-Jan-2018 23:17:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-14

Lab Sample ID: 480-129995-14

Client ID: DPT-1

Operator ID: KN

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

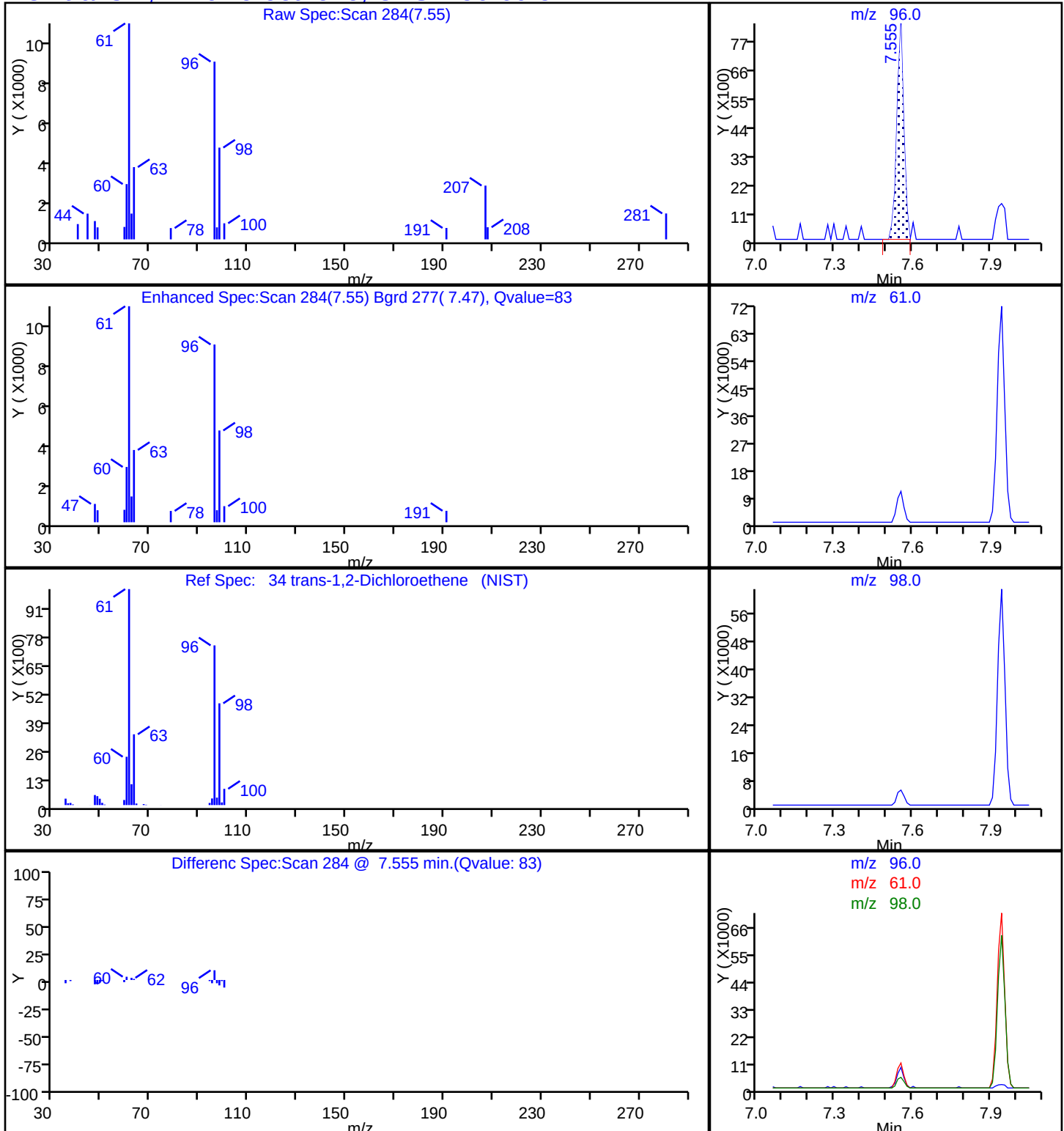
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D

Injection Date: 16-Jan-2018 23:17:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-14

Lab Sample ID: 480-129995-14

Client ID: DPT-1

Operator ID: KN

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

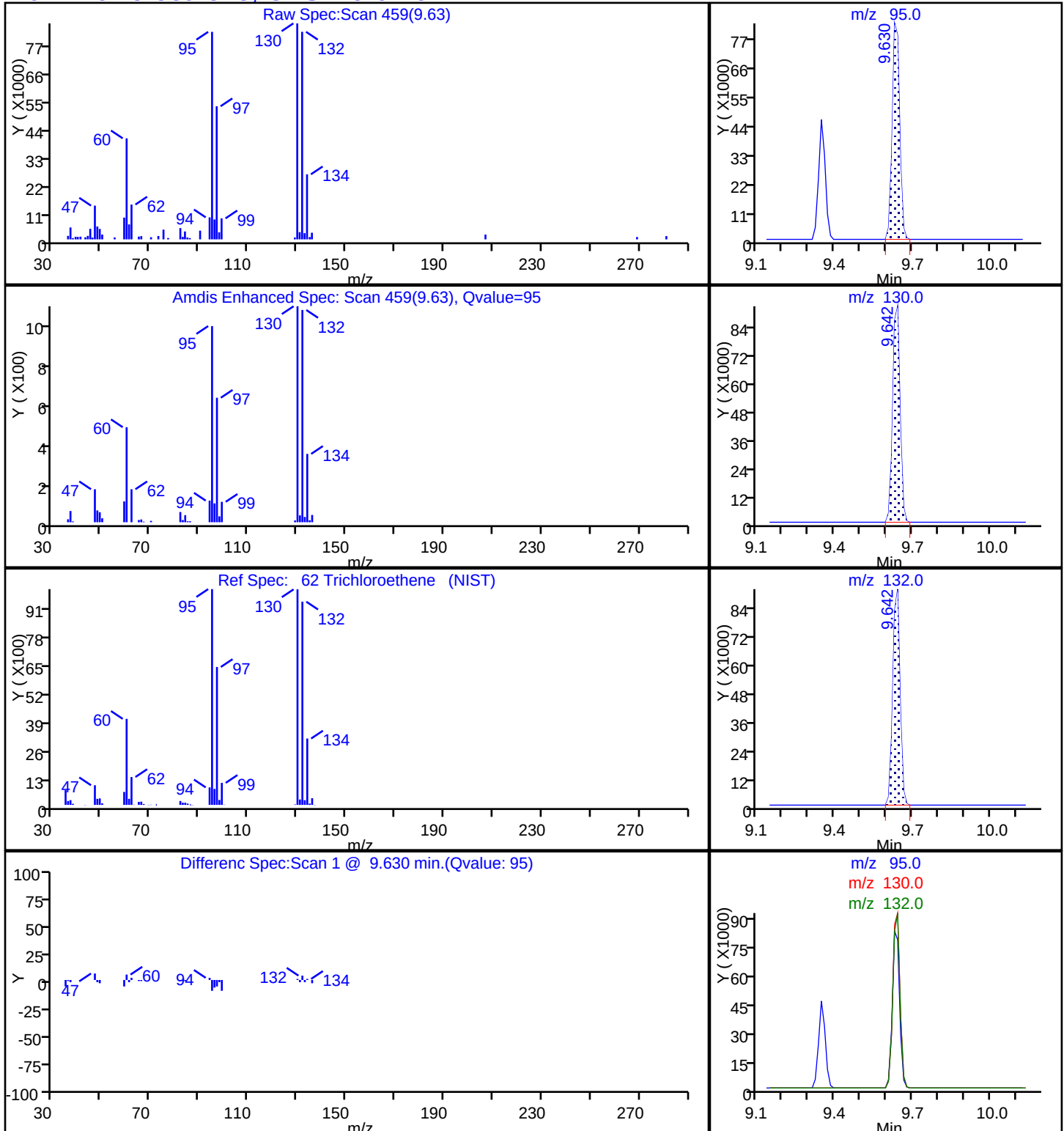
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D

Injection Date: 16-Jan-2018 23:17:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-14

Lab Sample ID: 480-129995-14

Client ID: DPT-1

Operator ID: KN

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

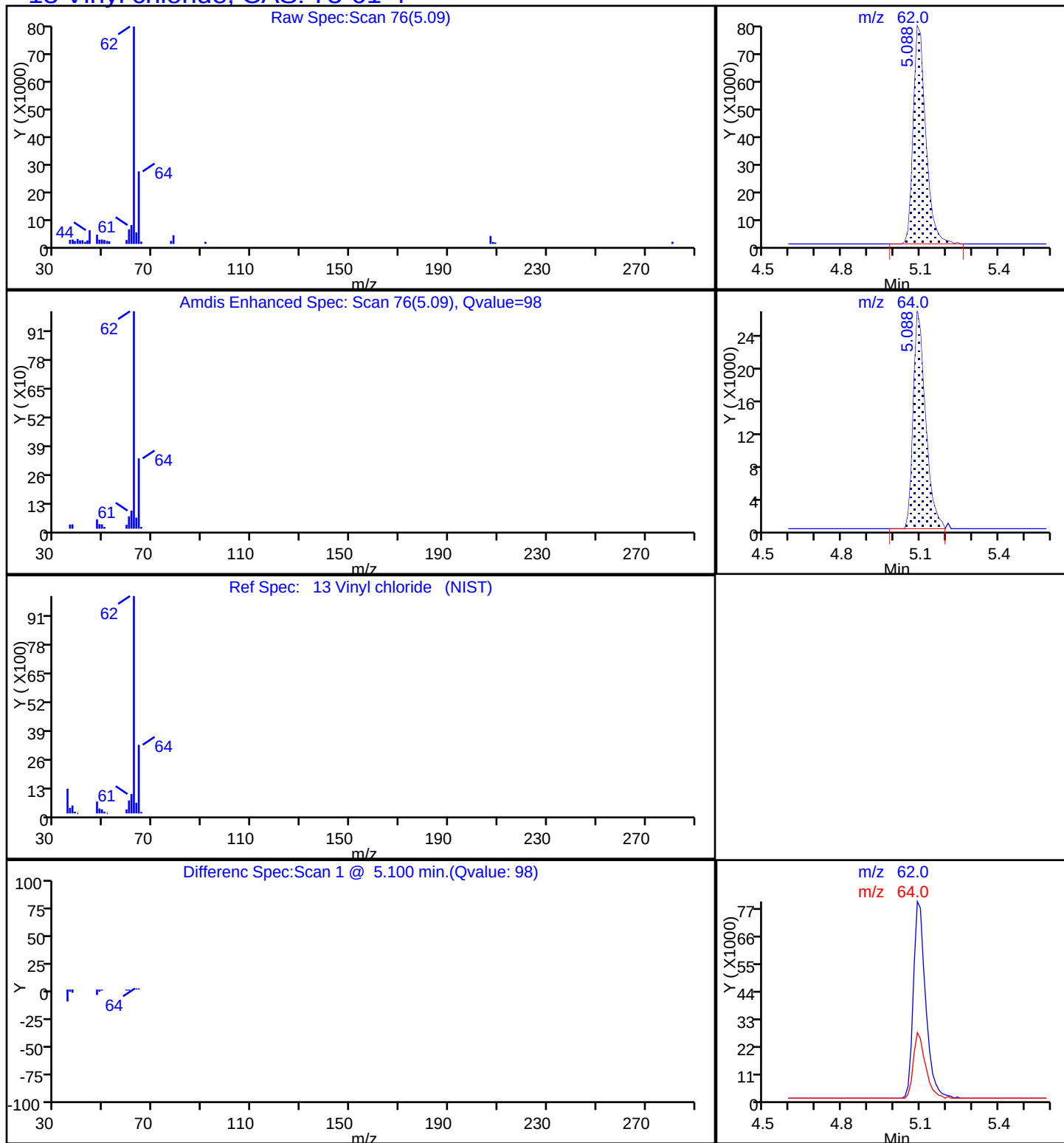
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D

Injection Date: 16-Jan-2018 23:17:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-14

Lab Sample ID: 480-129995-14

Client ID: DPT-1

Operator ID: KN

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

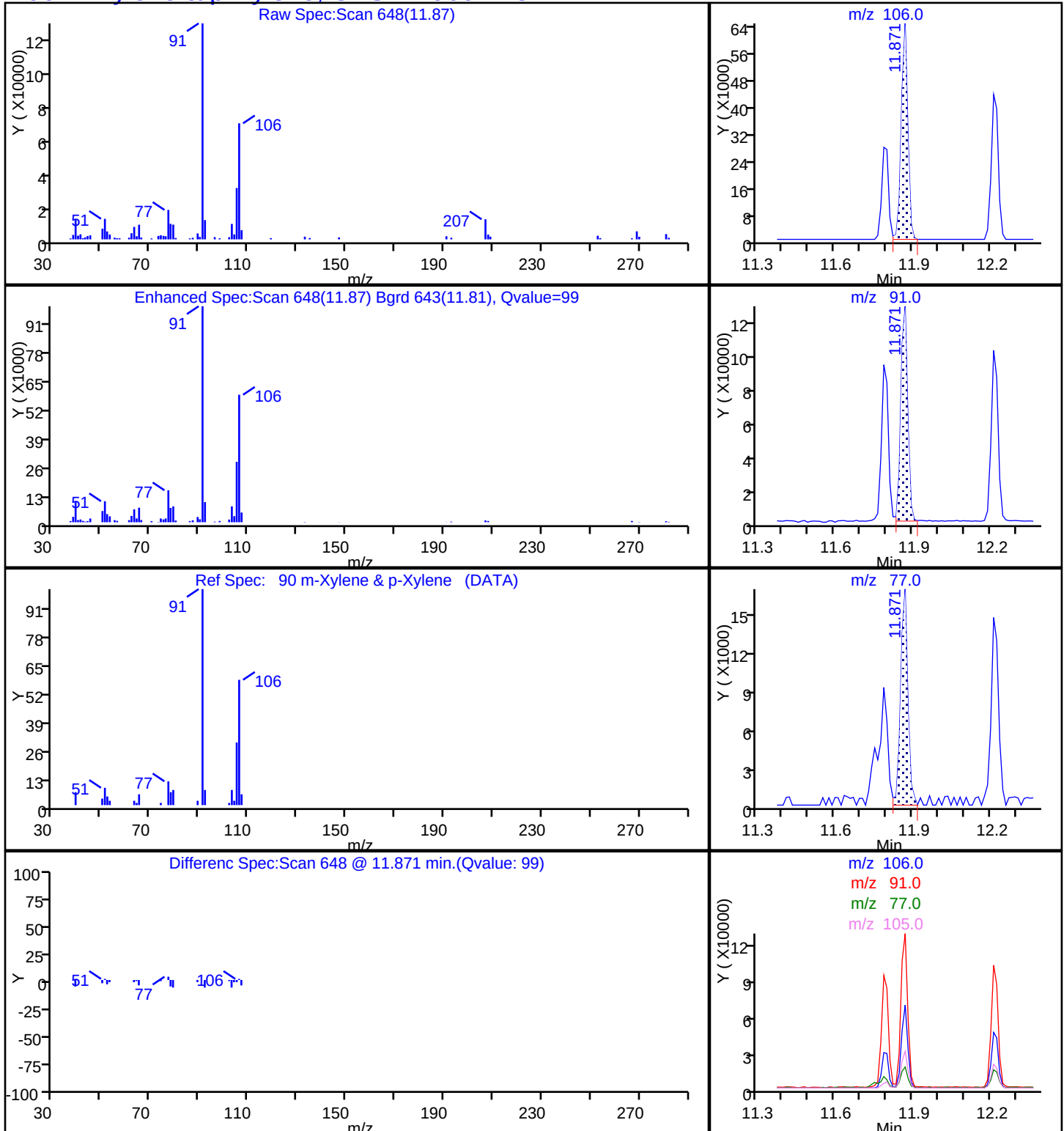
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D

Injection Date: 16-Jan-2018 23:17:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-14

Lab Sample ID: 480-129995-14

Client ID: DPT-1

Operator ID: KN

ALS Bottle#: 7

Worklist Smp#: 8

Purge Vol: 5.000 mL

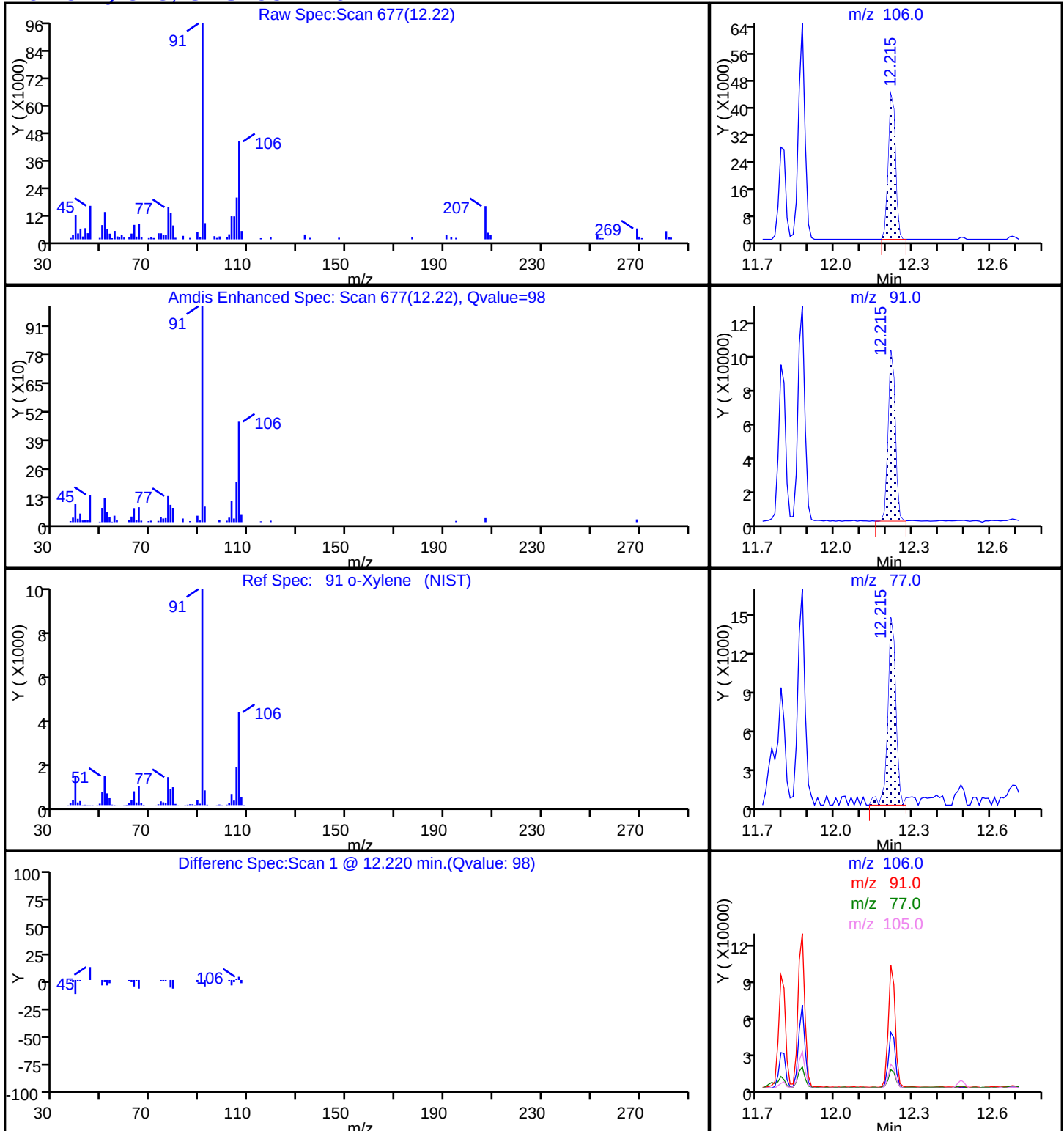
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

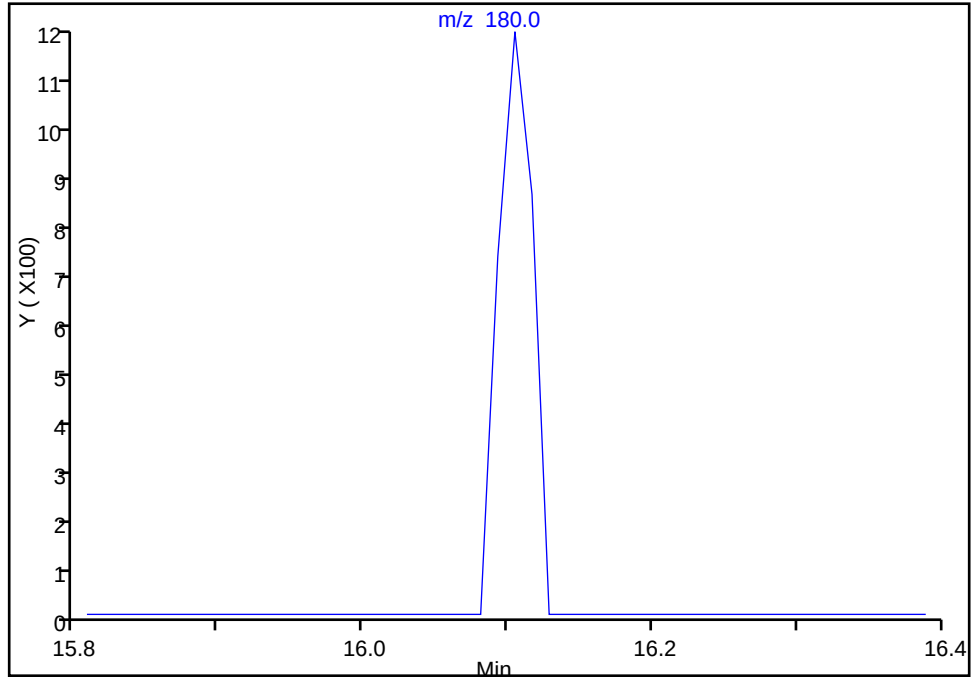
TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D		
Injection Date:	16-Jan-2018 23:17:30	Instrument ID:	HP5973C
Lims ID:	480-129995-B-14	Lab Sample ID:	480-129995-14
Client ID:	DPT-1		
Operator ID:	KN	ALS Bottle#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	C-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	8

119 1,2,4-Trichlorobenzene, CAS: 120-82-1
Signal: 1

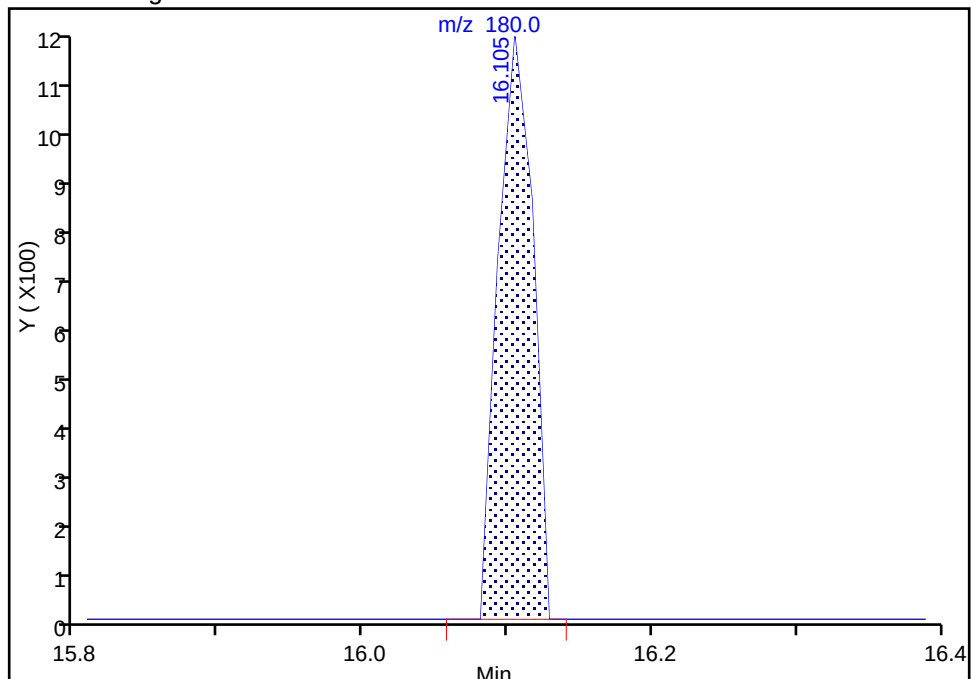
Not Detected
Expected RT: 16.10

Processing Integration Results



RT: 16.10
Area: 1975
Amount: 0.074661
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 17-Jan-2018 14:15:54
Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

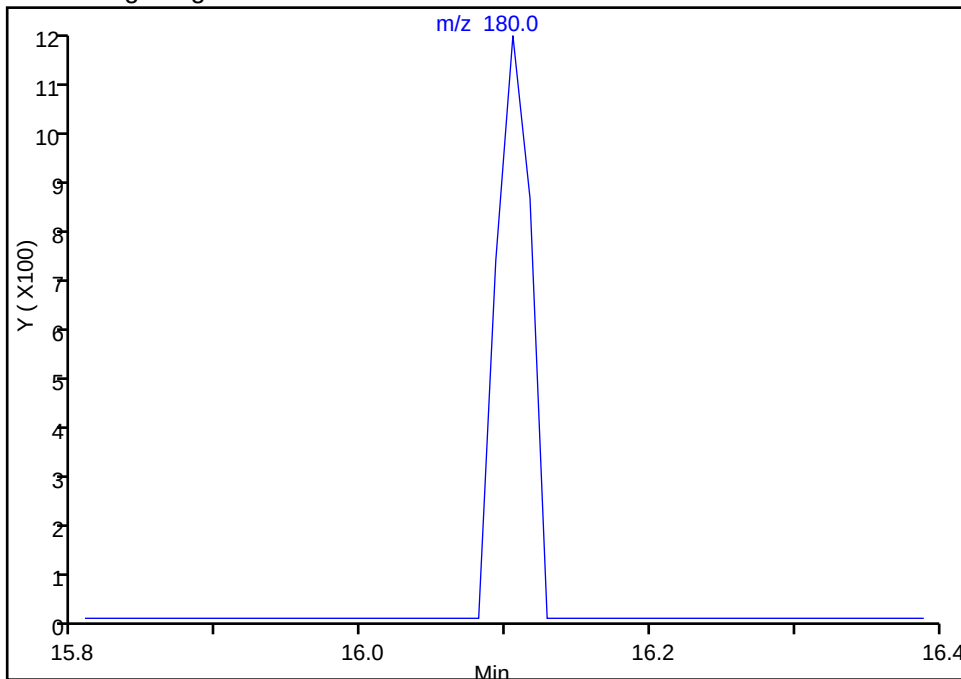
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D				
Injection Date:	16-Jan-2018 23:17:30	Instrument ID:	HP5973C		
Lims ID:	480-129995-B-14	Lab Sample ID:	480-129995-14		
Client ID:	DPT-1				
Operator ID:	KN	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN		

119 1,2,4-Trichlorobenzene, CAS: 120-82-1

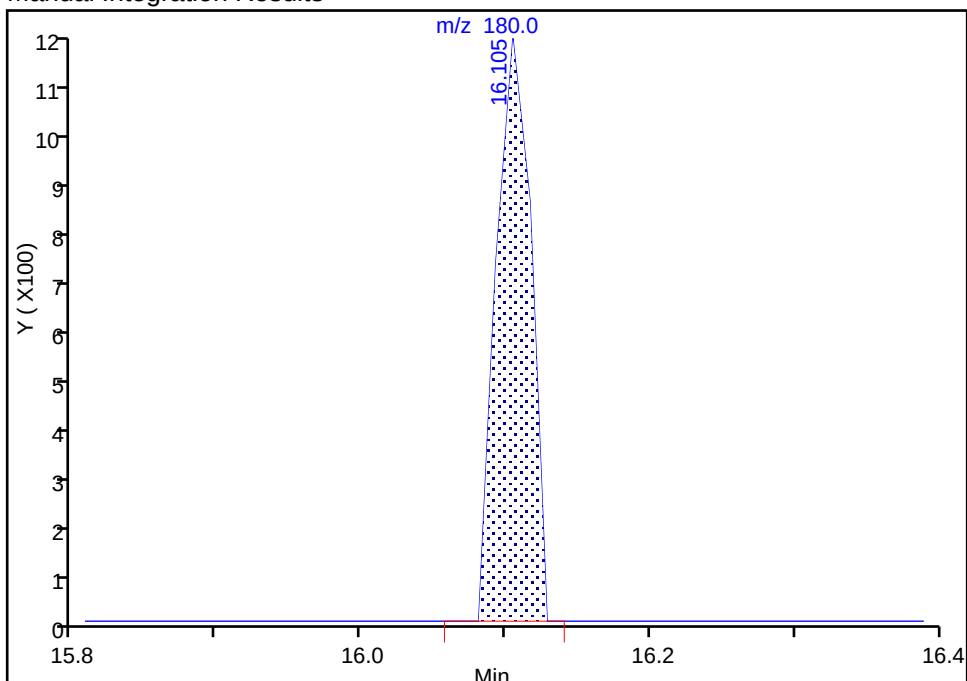
Signal: 1

Not Detected
Expected RT: 16.10

Processing Integration Results



Manual Integration Results



RT: 16.10
Area: 1975
Amount: 0.074661
Amount Units: ug/L

Reviewer: reiler, 17-Jan-2018 14:15:55

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

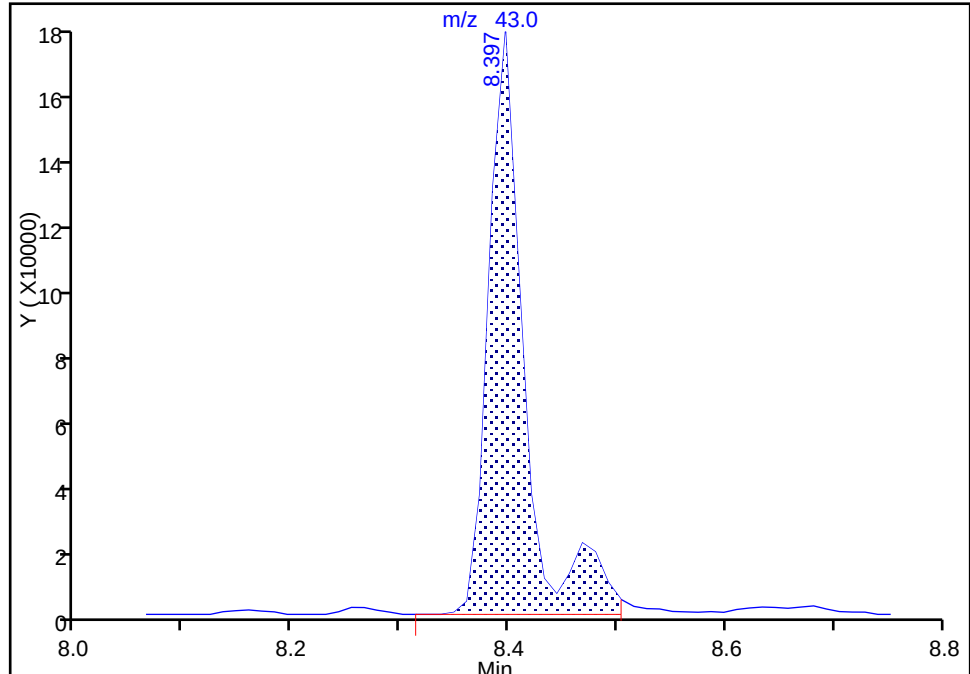
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D		
Injection Date:	16-Jan-2018 23:17:30	Instrument ID:	HP5973C
Lims ID:	480-129995-B-14	Lab Sample ID:	480-129995-14
Client ID:	DPT-1		
Operator ID:	KN	ALS Bottle#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	C-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	8

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

Signal: 1

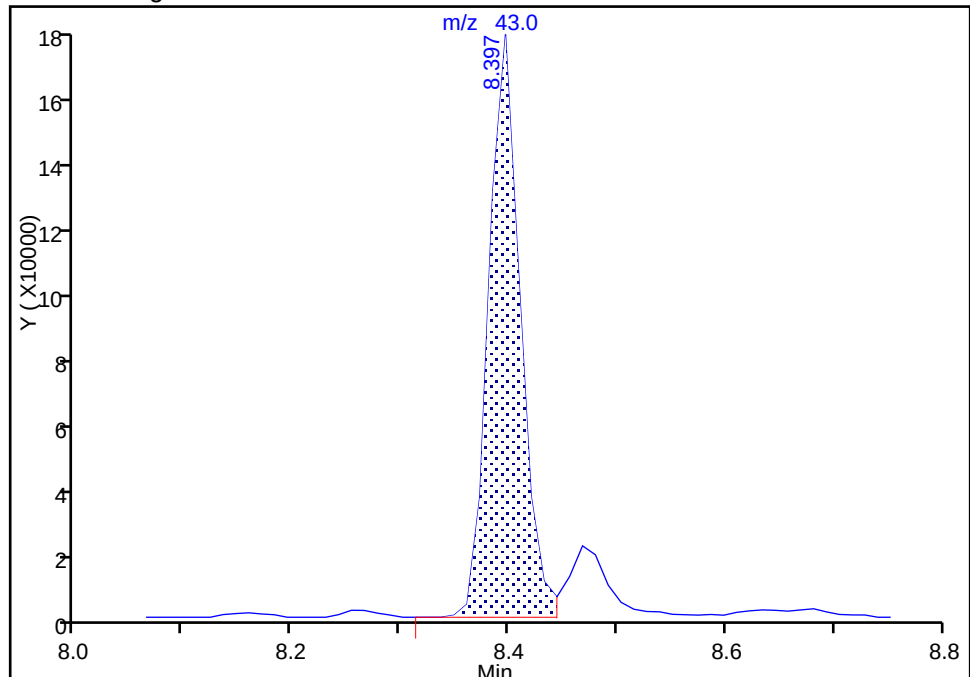
RT: 8.40
Area: 398333
Amount: 65.747030
Amount Units: ug/L

Processing Integration Results



RT: 8.40
Area: 351583
Amount: 58.030688
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 17-Jan-2018 14:13:59
Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Buffalo

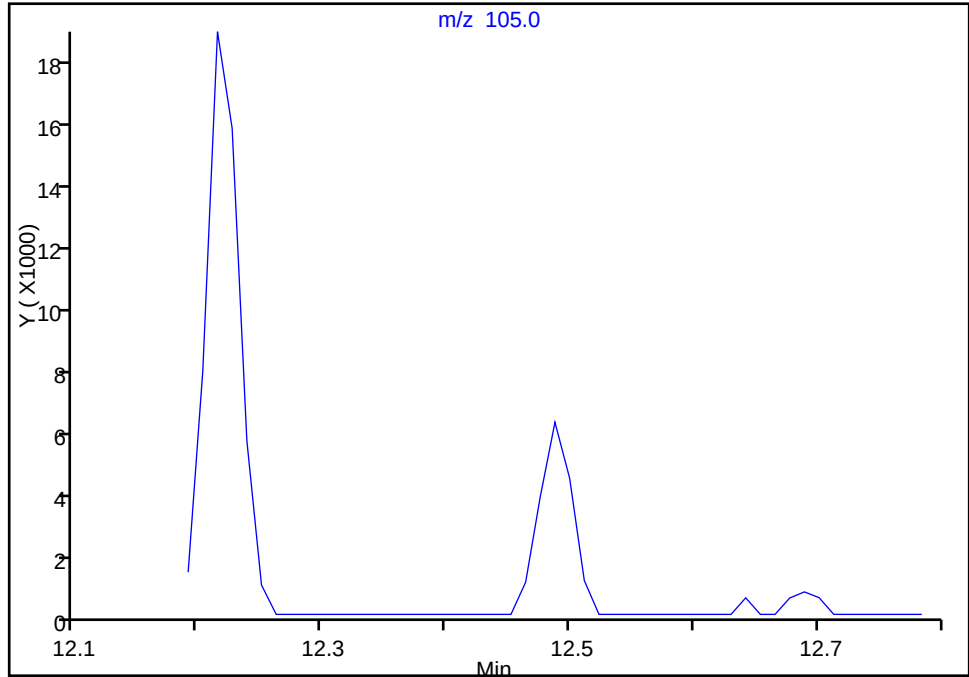
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D		
Injection Date:	16-Jan-2018 23:17:30	Instrument ID:	HP5973C
Lims ID:	480-129995-B-14	Lab Sample ID:	480-129995-14
Client ID:	DPT-1		
Operator ID:	KN	ALS Bottle#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	C-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	8

94 Isopropylbenzene, CAS: 98-82-8

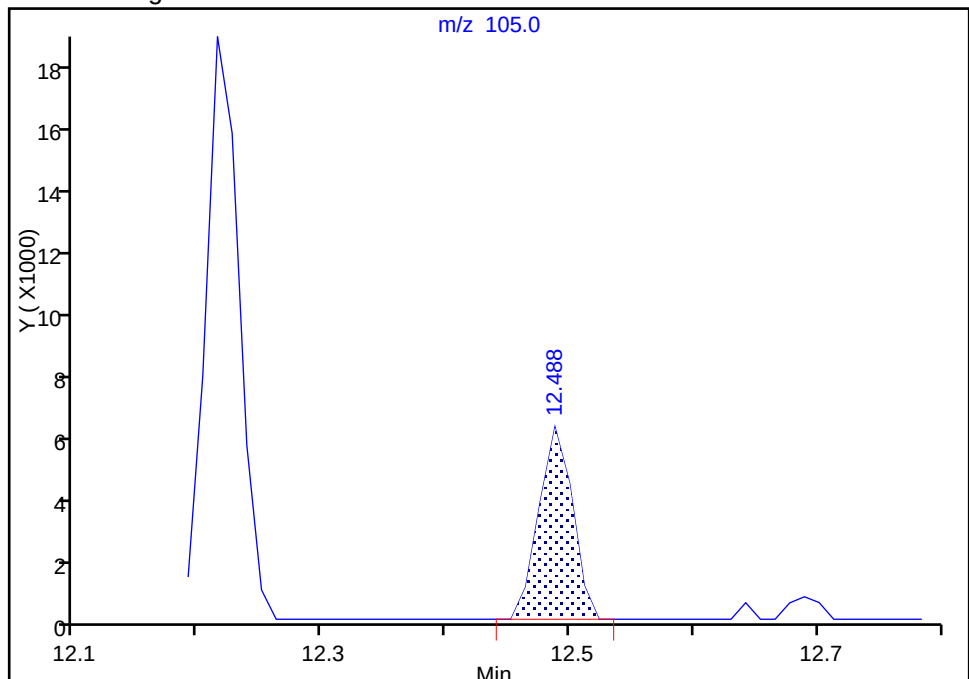
Signal: 1

Not Detected
Expected RT: 12.49

Processing Integration Results

RT: 12.49
Area: 11573
Amount: 0.161610
Amount Units: ug/L

Manual Integration Results

Reviewer: reiler, 17-Jan-2018 14:15:38
Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

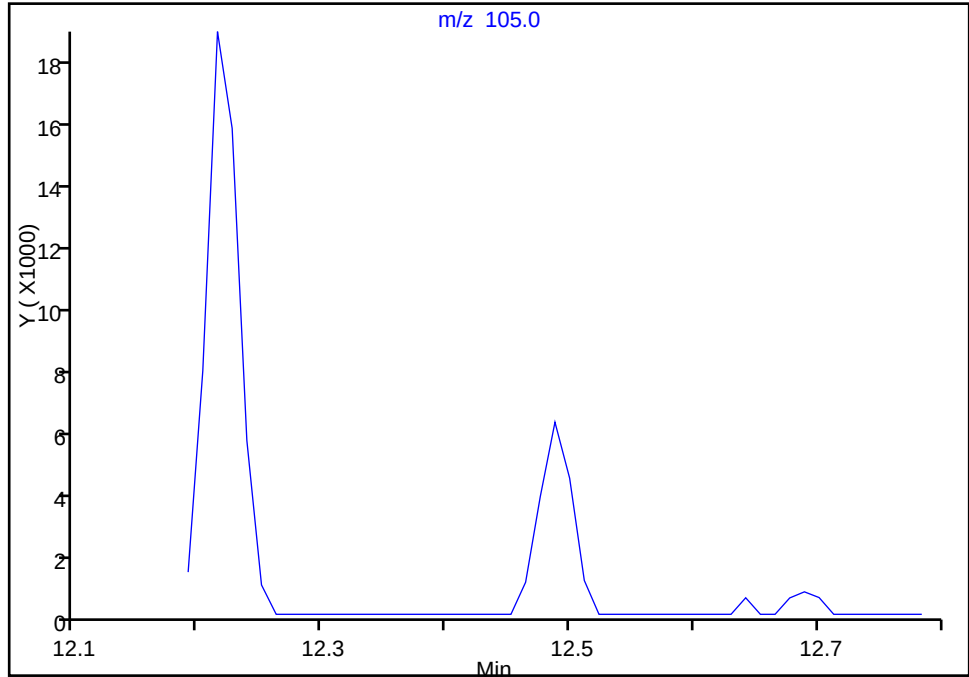
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D				
Injection Date:	16-Jan-2018 23:17:30	Instrument ID:	HP5973C		
Lims ID:	480-129995-B-14	Lab Sample ID:	480-129995-14		
Client ID:	DPT-1				
Operator ID:	KN	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN		

94 Isopropylbenzene, CAS: 98-82-8

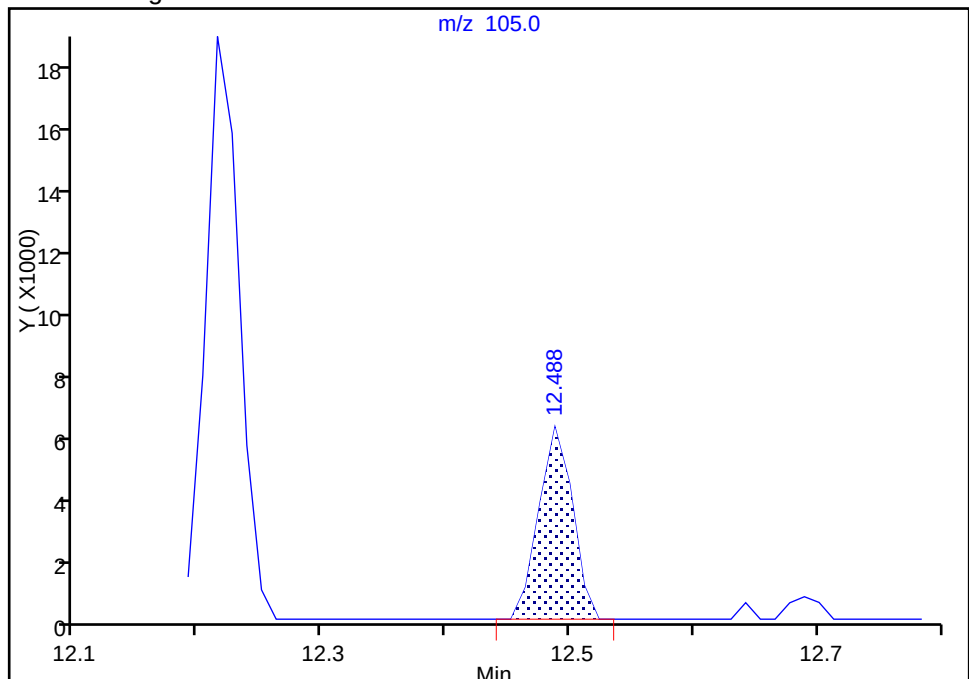
Signal: 1

Not Detected
Expected RT: 12.49

Processing Integration Results



Manual Integration Results



Reviewer: reiler, 17-Jan-2018 14:15:40

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

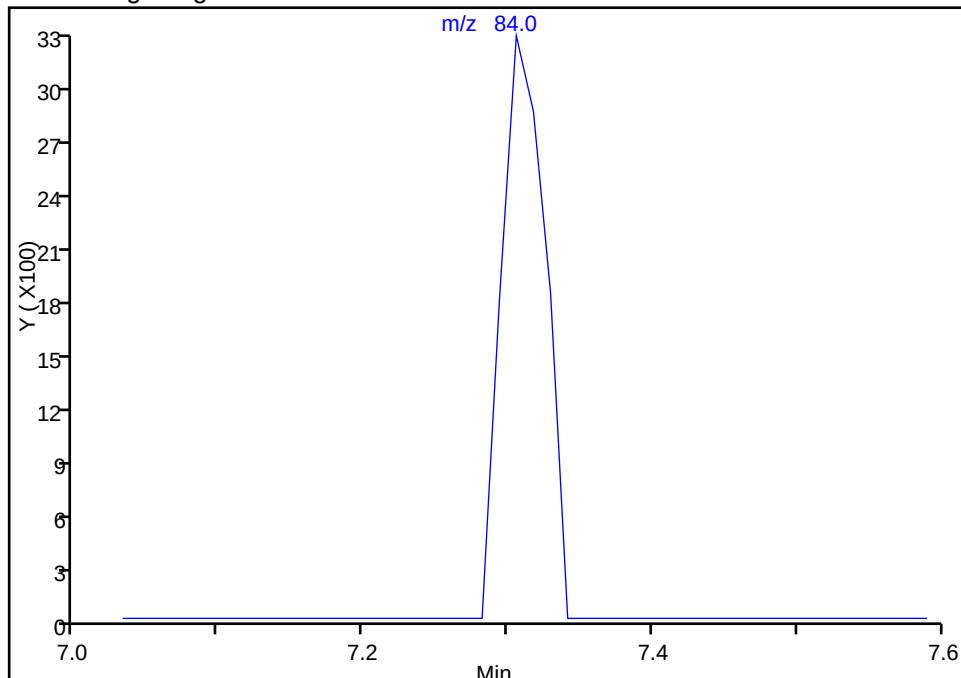
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D		
Injection Date:	16-Jan-2018 23:17:30	Instrument ID:	HP5973C
Lims ID:	480-129995-B-14	Lab Sample ID:	480-129995-14
Client ID:	DPT-1		
Operator ID:	KN	ALS Bottle#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	C-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	8

30 Methylene Chloride, CAS: 75-09-2

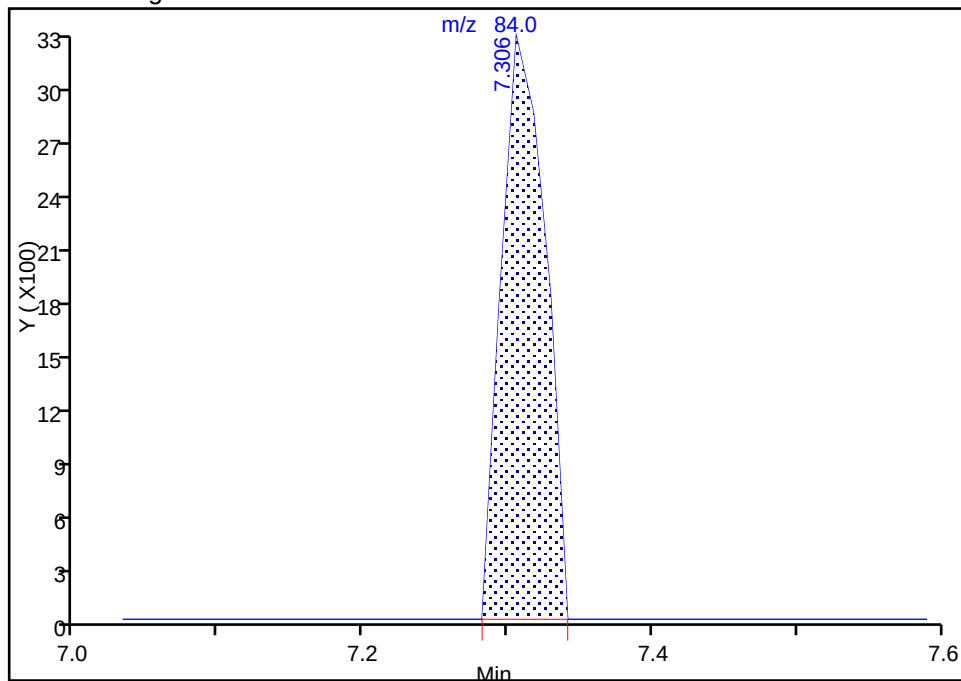
Signal: 1

Not Detected
Expected RT: 7.32

Processing Integration Results

RT: 7.31
Area: 6769
Amount: 0.396588
Amount Units: ug/L

Manual Integration Results

Reviewer: reiler, 17-Jan-2018 14:13:44
Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

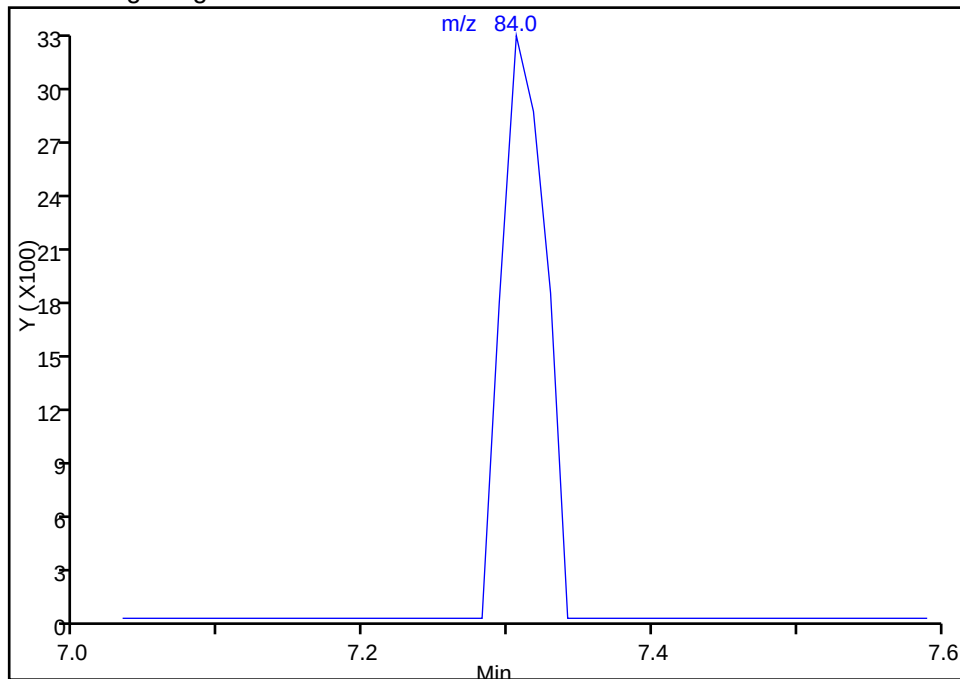
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1743.D		
Injection Date:	16-Jan-2018 23:17:30	Instrument ID:	HP5973C
Lims ID:	480-129995-B-14	Lab Sample ID:	480-129995-14
Client ID:	DPT-1		
Operator ID:	KN	ALS Bottle#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	C-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	8

30 Methylene Chloride, CAS: 75-09-2

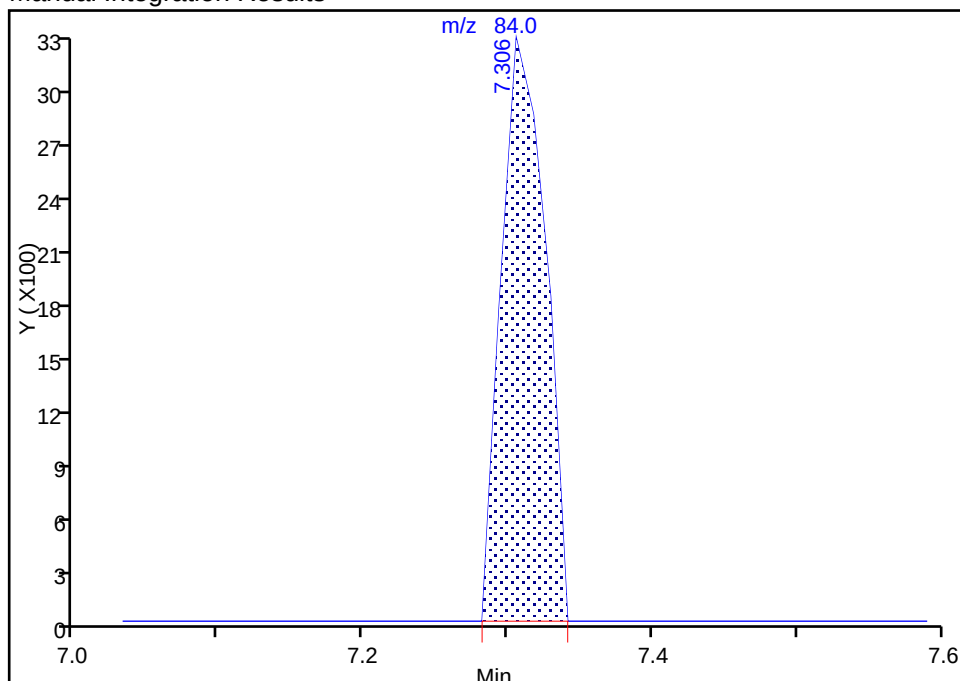
Signal: 1

Not Detected
Expected RT: 7.32

Processing Integration Results



Manual Integration Results

RT: 7.31
Area: 6769
Amount: 0.396588
Amount Units: ug/L

Reviewer: reiler, 17-Jan-2018 14:13:48

Audit Action: Manually Integrated

Audit Reason: Missed Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>DPT-2</u>	Lab Sample ID: <u>480-129995-15</u>
Matrix: <u>Water</u>	Lab File ID: <u>C1730.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/10/2018 10:50</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/16/2018 17:02</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395910</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	11		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: DPT-2 Lab Sample ID: 480-129995-15
 Matrix: Water Lab File ID: C1730.D
 Analysis Method: 8260C Date Collected: 01/10/2018 10:50
 Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 17:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 395910 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	5.2		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	1.7		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
2037-26-5	Toluene-d8 (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	88		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1730.D
 Lims ID: 480-129995-A-15
 Client ID: DPT-2
 Sample Type: Client
 Inject. Date: 16-Jan-2018 17:02:30 ALS Bottle#: 21 Worklist Smp#: 33
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-129995-a-15
 Misc. Info.: 480-0068592-033
 Operator ID: RR Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 17:29:14 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK031

First Level Reviewer: nowakk

Date: 16-Jan-2018 17:29:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.345	9.345	0.000	99	179555	25.0	
* 2 Chlorobenzene-d5	82	11.753	11.752	0.001	85	394704	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	95	411602	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	217803	21.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	97	115839	21.0	
\$ 5 Toluene-d8 (Surr)	98	10.567	10.579	-0.011	94	841308	22.9	
\$ 6 4-Bromofluorobenzene (Surr	174	12.690	12.689	0.001	90	357147	26.7	
10 Dichlorodifluoromethane	85		4.460				ND	
12 Chloromethane	50		4.875				ND	
13 Vinyl chloride	62	5.100	5.100	0.012	1	31490	1.74	M
14 Bromomethane	94		5.693				ND	
15 Chloroethane	64	5.835	5.823	0.012	99	119613	10.8	
17 Trichlorofluoromethane	101		6.179				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.748				ND	
22 1,1-Dichloroethene	96		6.808				ND	
23 Acetone	43	6.855	6.843	0.012	99	10653	2.37	
26 Carbon disulfide	76		7.128				ND	
27 Methyl acetate	43		7.140				ND	
30 Methylene Chloride	84	7.318	7.318	0.012	86	89405	5.24	
32 Methyl tert-butyl ether	73		7.495				ND	
34 trans-1,2-Dichloroethene	96		7.555				ND	
39 1,1-Dichloroethane	63		7.946				ND	
43 2-Butanone (MEK)	43		8.397				ND	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.012	7	8548	0.4828	
50 Chloroform	83		8.669				ND	
51 1,1,1-Trichloroethane	97		8.859				ND	
52 Cyclohexane	56		8.907				ND	
55 Carbon tetrachloride	117		9.001				ND	
58 1,2-Dichloroethane	62		9.167				ND	
57 Benzene	78	9.168	9.167	0.001	96	19500	0.3354	
62 Trichloroethene	95		9.630				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		9.784				ND	
65 1,2-Dichloropropane	63		9.832				ND	
68 Dichlorobromomethane	83		10.033				ND	
72 cis-1,3-Dichloropropene	75		10.353				ND	
73 4-Methyl-2-pentanone (MIBK)	43		10.389				ND	
74 Toluene	92		10.626				ND	
77 trans-1,3-Dichloropropene	75		10.768				ND	
79 1,1,2-Trichloroethane	83		10.946				ND	
80 2-Hexanone	43		11.029				ND	
81 Tetrachloroethene	166		11.077				ND	
83 Chlorodibromomethane	129		11.314				ND	
84 Ethylene Dibromide	107		11.444				ND	
87 Chlorobenzene	112		11.776				ND	
88 Ethylbenzene	91		11.788				ND	
90 m-Xylene & p-Xylene	106		11.871				ND	
91 o-Xylene	106		12.215				ND	
92 Styrene	104		12.227				ND	
94 Isopropylbenzene	105		12.488				ND	
95 Bromoform	173		12.500				ND	
97 1,1,2,2-Tetrachloroethane	83		12.761				ND	
111 1,3-Dichlorobenzene	146		13.709				ND	
113 1,4-Dichlorobenzene	146		13.780				ND	
116 1,2-Dichlorobenzene	146		14.196				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.061				ND	
119 1,2,4-Trichlorobenzene	180		16.105				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

C_8260_IS_00105

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00121

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1730.D

Injection Date: 16-Jan-2018 17:02:30

Instrument ID: HP5973C

Operator ID: RR

Lims ID: 480-129995-A-15

Lab Sample ID: 480-129995-15

Worklist Smp#: 33

Client ID: DPT-2

Purge Vol: 5.000 mL

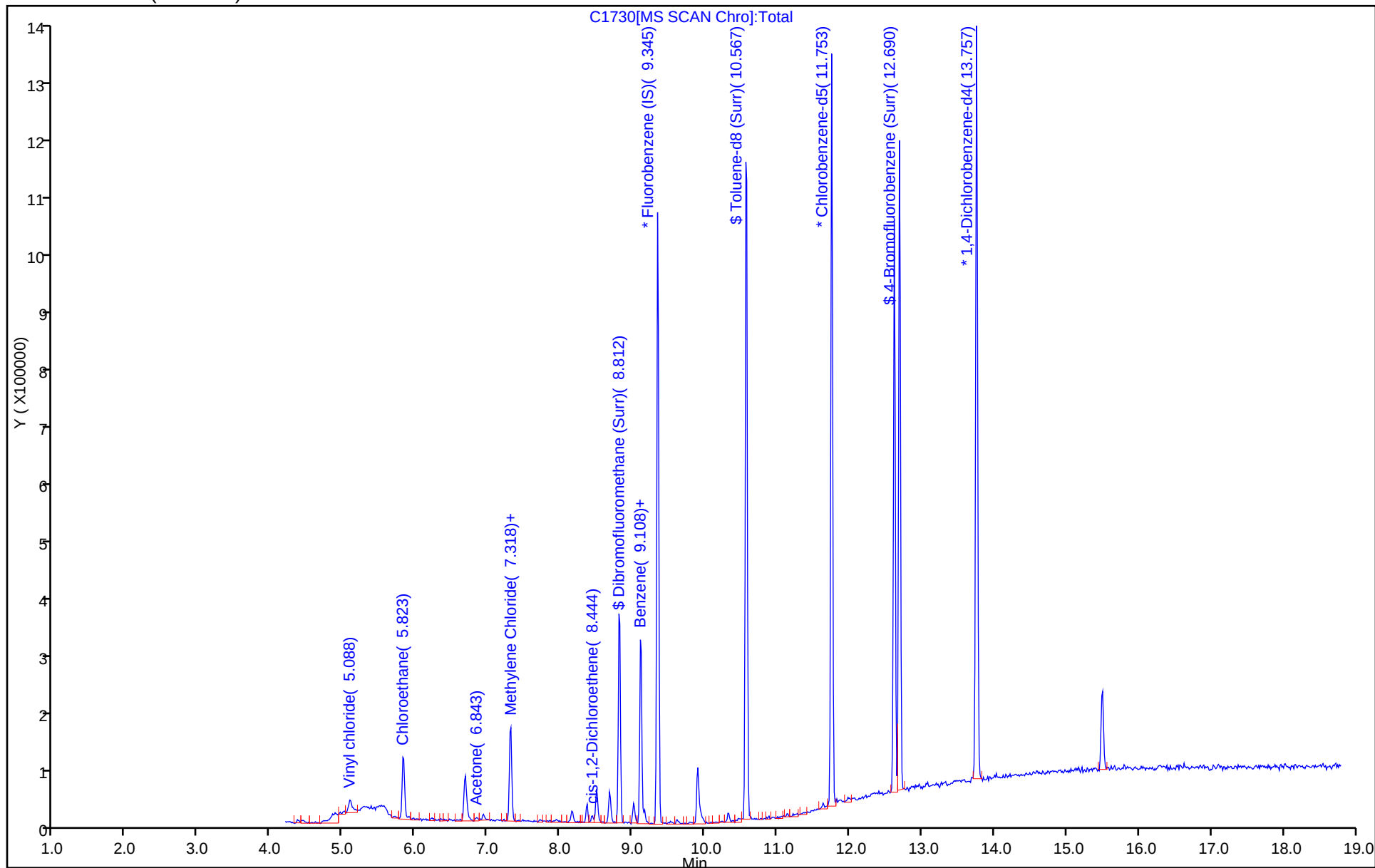
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1730.D

Injection Date: 16-Jan-2018 17:02:30

Instrument ID: HP5973C

Lims ID: 480-129995-A-15

Lab Sample ID: 480-129995-15

Client ID: DPT-2

Operator ID: RR

ALS Bottle#: 21

Worklist Smp#: 33

Purge Vol: 5.000 mL

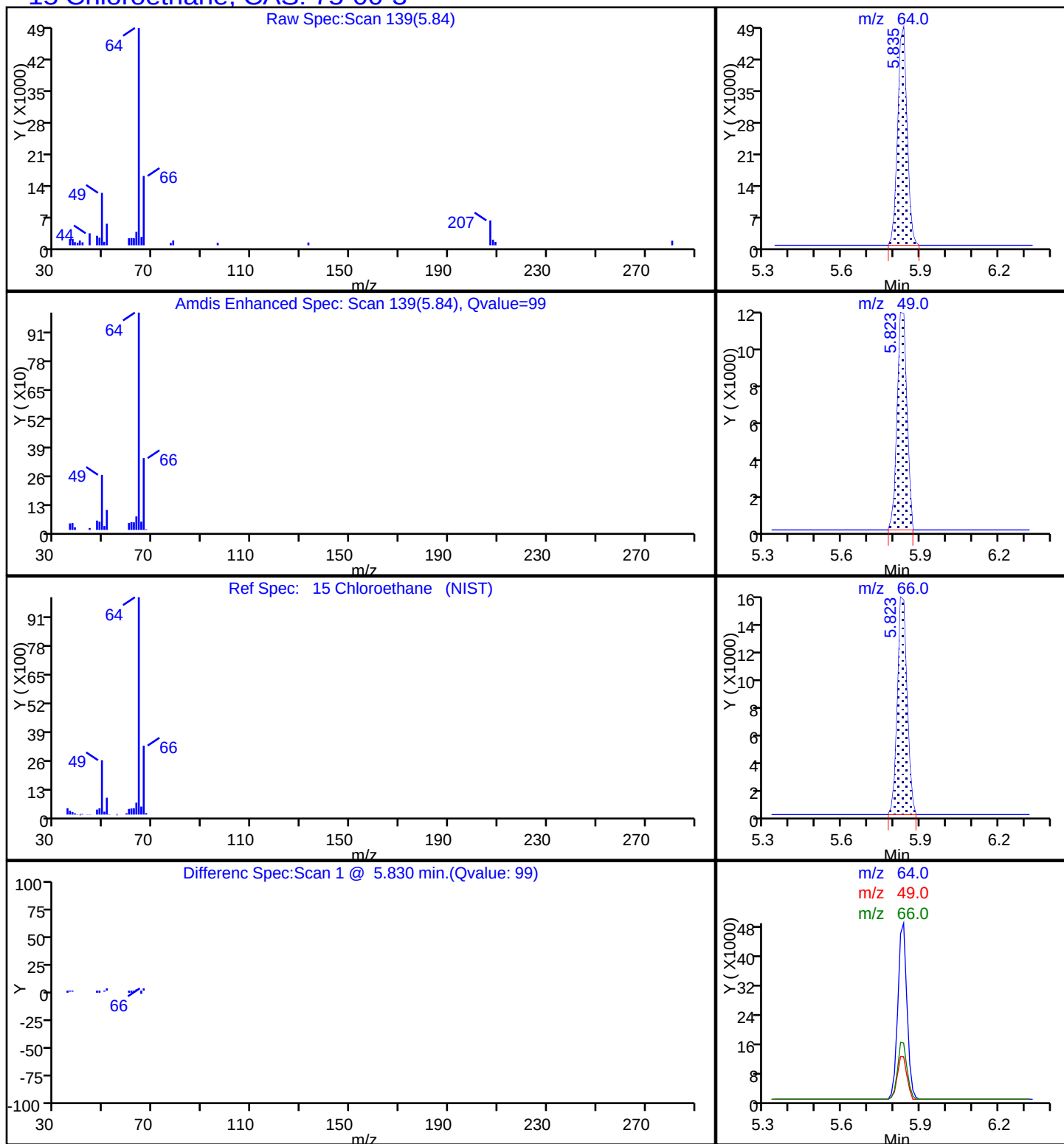
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1730.D

Injection Date: 16-Jan-2018 17:02:30

Instrument ID: HP5973C

Lims ID: 480-129995-A-15

Lab Sample ID: 480-129995-15

Client ID: DPT-2

Operator ID: RR

ALS Bottle#: 21

Worklist Smp#: 33

Purge Vol: 5.000 mL

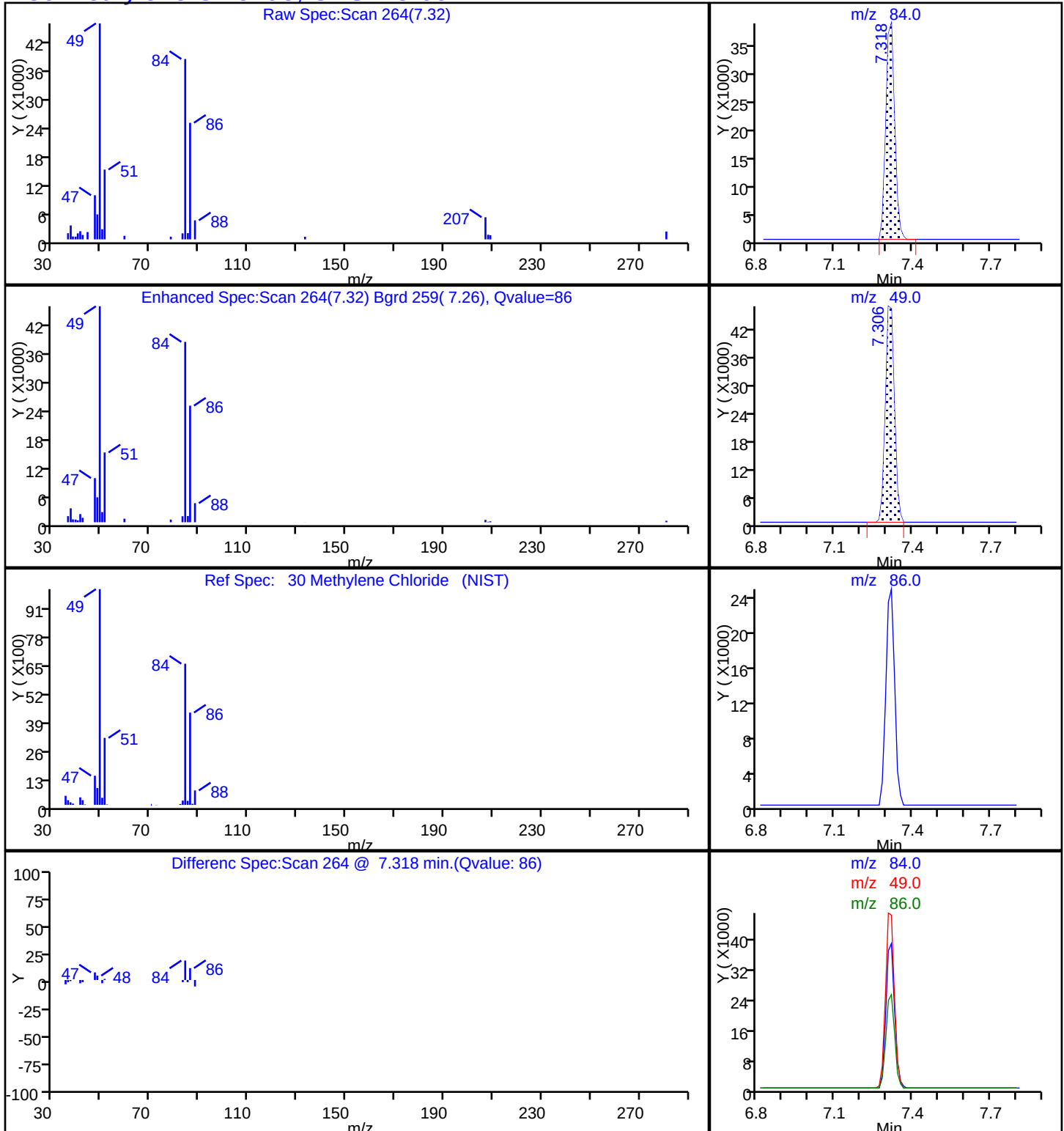
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1730.D

Injection Date: 16-Jan-2018 17:02:30

Instrument ID: HP5973C

Lims ID: 480-129995-A-15

Lab Sample ID: 480-129995-15

Client ID: DPT-2

Operator ID: RR

ALS Bottle#: 21

Worklist Smp#: 33

Purge Vol: 5.000 mL

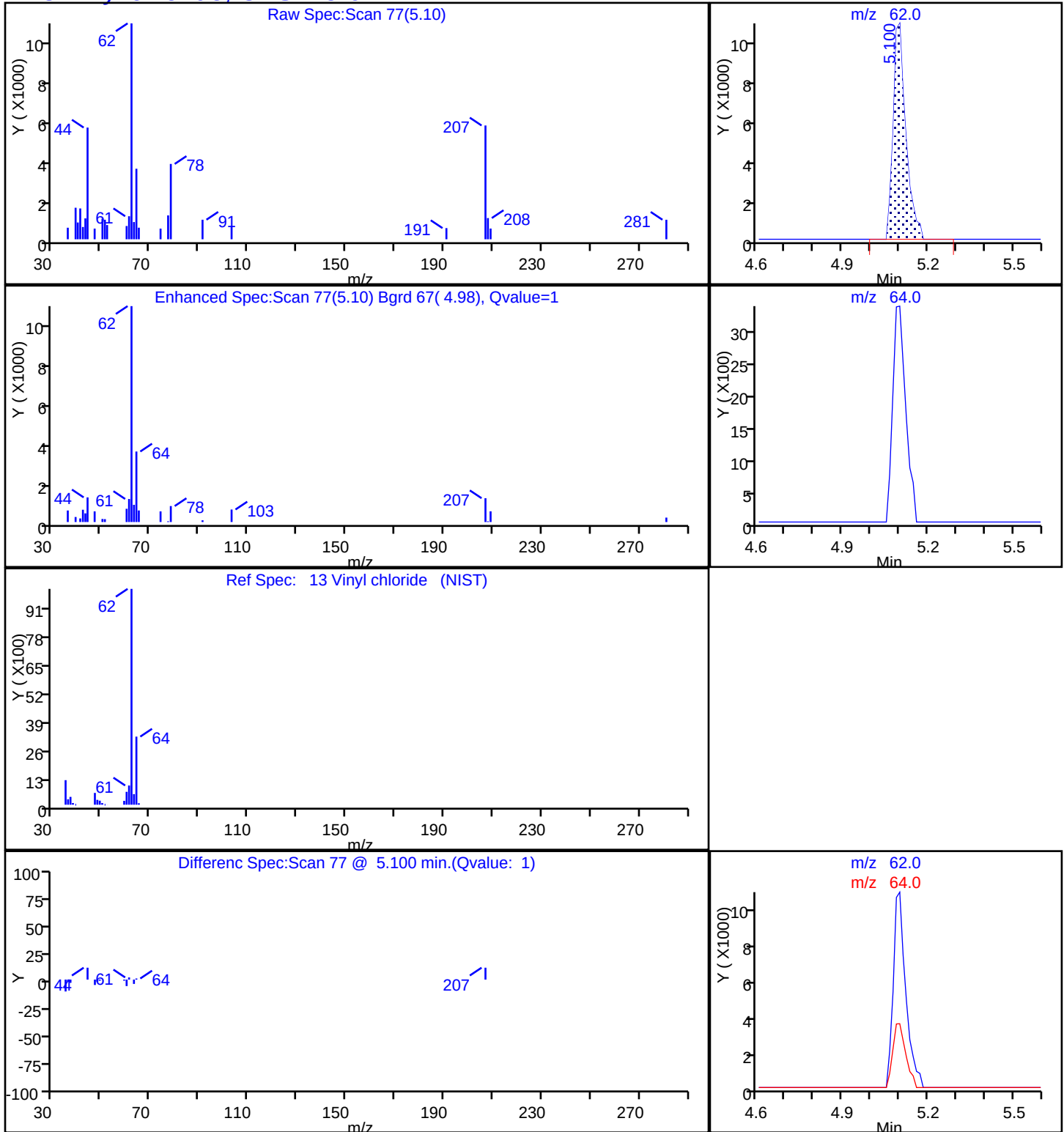
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

TestAmerica Buffalo

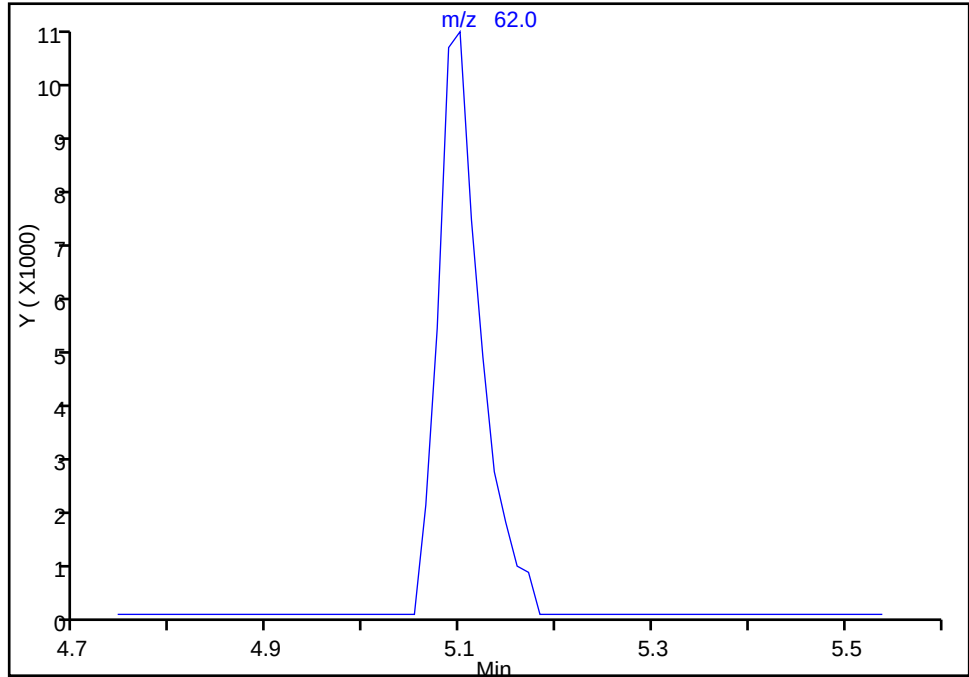
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1730.D				
Injection Date:	16-Jan-2018 17:02:30	Instrument ID:	HP5973C		
Lims ID:	480-129995-A-15	Lab Sample ID:	480-129995-15		
Client ID:	DPT-2				
Operator ID:	RR	ALS Bottle#:	21	Worklist Smp#:	33
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

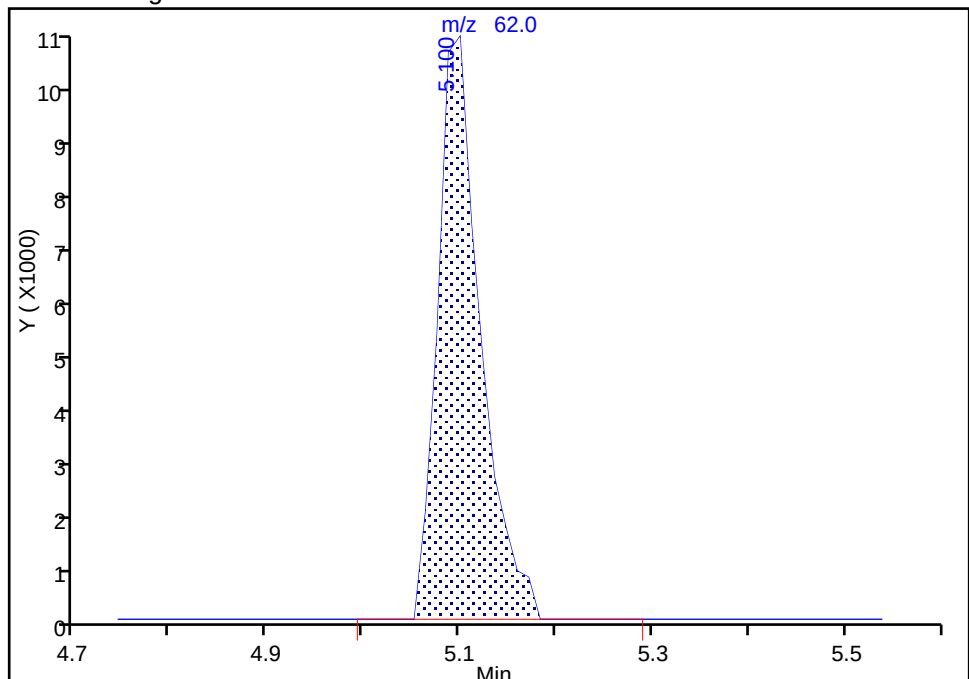
Signal: 1

Not Detected
Expected RT: 5.09

Processing Integration Results



Manual Integration Results

RT: 5.10
Area: 31490
Amount: 1.742472
Amount Units: ug/LReviewer: nowakk, 16-Jan-2018 17:27:54
Audit Action: Assigned Compound IDAudit Reason: Assign Peak
Page 320 of 861

01/22/2018

TestAmerica Buffalo

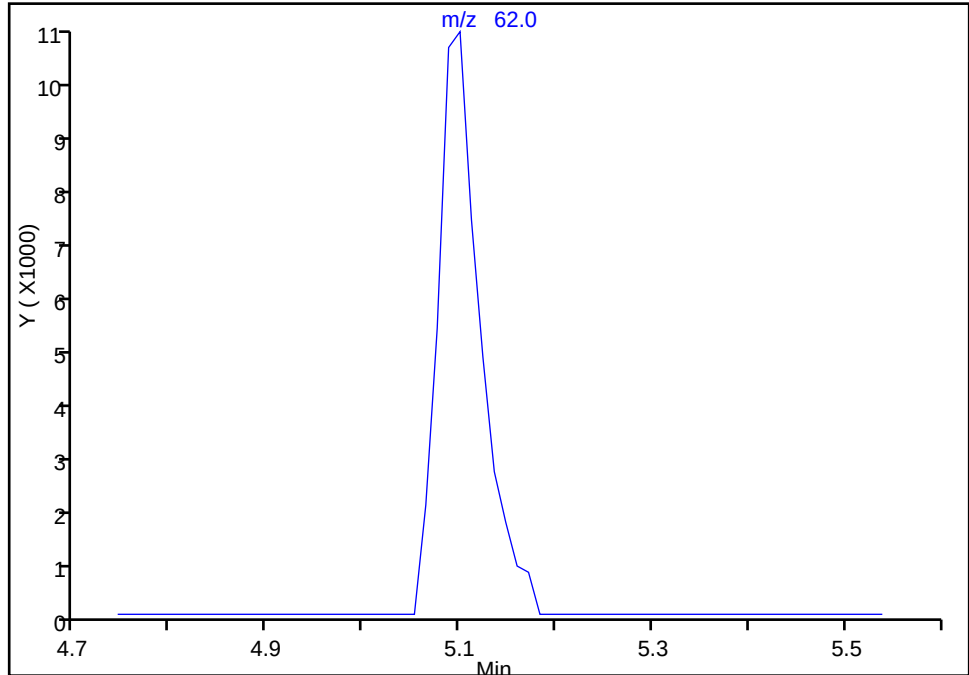
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1730.D				
Injection Date:	16-Jan-2018 17:02:30	Instrument ID:	HP5973C		
Lims ID:	480-129995-A-15	Lab Sample ID:	480-129995-15		
Client ID:	DPT-2				
Operator ID:	RR	ALS Bottle#:	21	Worklist Smp#:	33
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

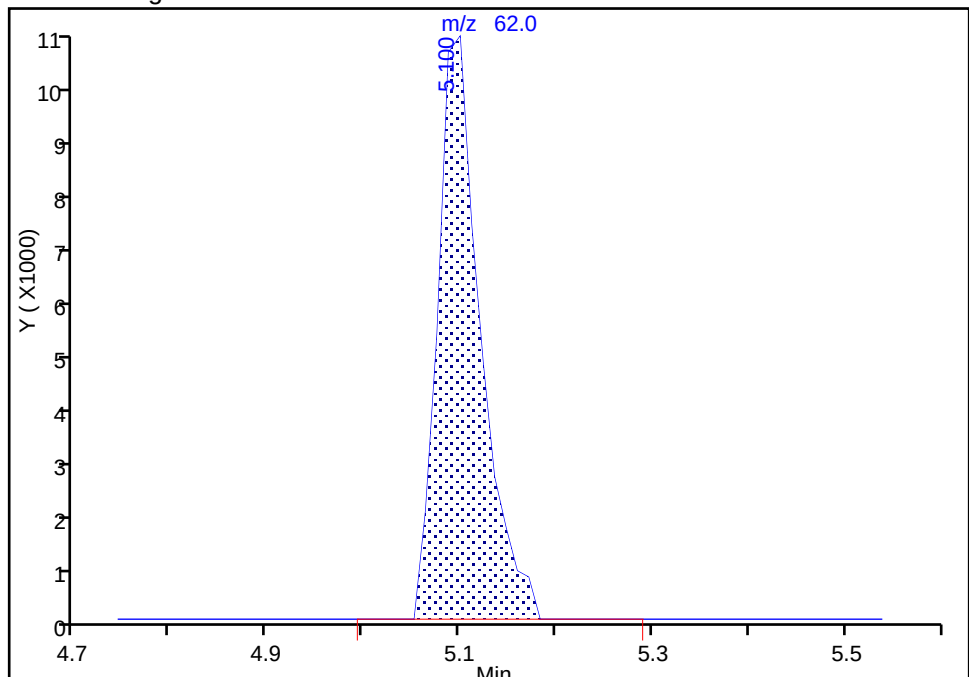
Signal: 1

Not Detected
Expected RT: 5.09

Processing Integration Results



Manual Integration Results



RT: 5.10
Area: 31490
Amount: 1.742472
Amount Units: ug/L

Reviewer: nowakk, 16-Jan-2018 17:27:58

Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: DPT-4 Lab Sample ID: 480-129995-16

Matrix: Water Lab File ID: C1731.D

Analysis Method: 8260C Date Collected: 01/10/2018 11:15

Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 17:27

Soil Aliquot Vol: _____ Dilution Factor: 50

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 395910 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		50	41
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16
79-00-5	1,1,2-Trichloroethane	ND		50	12
75-34-3	1,1-Dichloroethane	ND		50	19
75-35-4	1,1-Dichloroethene	ND		50	15
120-82-1	1,2,4-Trichlorobenzene	ND		50	21
96-12-8	1,2-Dibromo-3-Chloropropane	ND		50	20
106-93-4	1,2-Dibromoethane	ND		50	37
95-50-1	1,2-Dichlorobenzene	ND		50	40
107-06-2	1,2-Dichloroethane	ND		50	11
78-87-5	1,2-Dichloropropane	ND		50	36
541-73-1	1,3-Dichlorobenzene	ND		50	39
106-46-7	1,4-Dichlorobenzene	ND		50	42
78-93-3	2-Butanone (MEK)	ND		500	66
591-78-6	2-Hexanone	ND		250	62
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	110
67-64-1	Acetone	190	J	500	150
71-43-2	Benzene	ND		50	21
75-27-4	Bromodichloromethane	ND		50	20
75-25-2	Bromoform	ND		50	13
74-83-9	Bromomethane	ND		50	35
75-15-0	Carbon disulfide	ND		50	9.5
56-23-5	Carbon tetrachloride	ND		50	14
108-90-7	Chlorobenzene	ND		50	38
75-00-3	Chloroethane	ND		50	16
67-66-3	Chloroform	ND		50	17
74-87-3	Chloromethane	ND		50	18
156-59-2	cis-1,2-Dichloroethene	2100		50	41
10061-01-5	cis-1,3-Dichloropropene	ND		50	18
110-82-7	Cyclohexane	ND		50	9.0
124-48-1	Dibromochloromethane	ND		50	16
75-71-8	Dichlorodifluoromethane	ND		50	34
100-41-4	Ethylbenzene	ND		50	37
98-82-8	Isopropylbenzene	ND		50	40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: DPT-4 Lab Sample ID: 480-129995-16
 Matrix: Water Lab File ID: C1731.D
 Analysis Method: 8260C Date Collected: 01/10/2018 11:15
 Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 17:27
 Soil Aliquot Vol: _____ Dilution Factor: 50
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 395910 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		130	65
1634-04-4	Methyl tert-butyl ether	ND		50	8.0
108-87-2	Methylcyclohexane	ND		50	8.0
75-09-2	Methylene Chloride	320		50	22
100-42-5	Styrene	ND		50	37
127-18-4	Tetrachloroethene	ND		50	18
108-88-3	Toluene	ND		50	26
156-60-5	trans-1,2-Dichloroethene	ND		50	45
10061-02-6	trans-1,3-Dichloropropene	ND		50	19
79-01-6	Trichloroethene	47	J	50	23
75-69-4	Trichlorofluoromethane	ND		50	44
75-01-4	Vinyl chloride	430		50	45
1330-20-7	Xylenes, Total	ND		100	33

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
2037-26-5	Toluene-d8 (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	86		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1731.D
 Lims ID: 480-129995-A-16
 Client ID: DPT-4
 Sample Type: Client
 Inject. Date: 16-Jan-2018 17:27:30 ALS Bottle#: 22 Worklist Smp#: 34
 Purge Vol: 5.000 mL Dil. Factor: 50.0000
 Sample Info: 480-129995-a-16
 Misc. Info.: 480-0068592-034
 Operator ID: RR Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 18:07:11 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK031

First Level Reviewer: nowakk

Date: 16-Jan-2018 18:07:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.345	9.345	0.000	99	181315	25.0	
* 2 Chlorobenzene-d5	82	11.752	11.752	0.000	85	392609	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	95	415201	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.823	8.812	0.011	93	215419	21.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.120	9.108	0.012	98	116688	20.9	
\$ 5 Toluene-d8 (Surr)	98	10.578	10.578	0.000	93	819388	22.4	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.689	0.000	90	350973	26.3	
10 Dichlorodifluoromethane	85		4.460				ND	
12 Chloromethane	50		4.875				ND	
13 Vinyl chloride	62	5.100	5.088	0.012	99	155456	8.52	
14 Bromomethane	94		5.693				ND	
15 Chloroethane	64		5.823				ND	
17 Trichlorofluoromethane	101	6.179	6.179	0.000	89	4443	0.1545	
21 1,1,2-Trichloro-1,2,2-trif	101		6.748				ND	
22 1,1-Dichloroethene	96		6.808				ND	
23 Acetone	43	6.843	6.843	0.000	99	17608	3.87	
26 Carbon disulfide	76		7.128				ND	
27 Methyl acetate	43		7.140				ND	
30 Methylene Chloride	84	7.317	7.317	0.011	84	108993	6.33	
32 Methyl tert-butyl ether	73		7.495				ND	
34 trans-1,2-Dichloroethene	96		7.555				ND	
39 1,1-Dichloroethane	63		7.946				ND	
43 2-Butanone (MEK)	43		8.397				ND	
45 cis-1,2-Dichloroethene	96	8.444	8.432	0.012	79	763139	42.7	
50 Chloroform	83		8.669				ND	
51 1,1,1-Trichloroethane	97		8.859				ND	
52 Cyclohexane	56		8.907				ND	
55 Carbon tetrachloride	117		9.001				ND	
58 1,2-Dichloroethane	62		9.167				ND	
57 Benzene	78		9.167				ND	
62 Trichloroethene	95	9.642	9.630	0.012	96	15267	0.9365	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		9.784				ND	
65 1,2-Dichloropropane	63		9.832				ND	
68 Dichlorobromomethane	83		10.033				ND	
72 cis-1,3-Dichloropropene	75		10.353				ND	
73 4-Methyl-2-pentanone (MIBK)	43		10.389				ND	
74 Toluene	92		10.626				ND	
77 trans-1,3-Dichloropropene	75		10.768				ND	
79 1,1,2-Trichloroethane	83		10.946				ND	
80 2-Hexanone	43		11.029				ND	
81 Tetrachloroethene	166		11.077				ND	
83 Chlorodibromomethane	129		11.314				ND	
84 Ethylene Dibromide	107		11.444				ND	
87 Chlorobenzene	112		11.776				ND	
88 Ethylbenzene	91		11.788				ND	
90 m-Xylene & p-Xylene	106		11.871				ND	
91 o-Xylene	106		12.215				ND	
92 Styrene	104		12.227				ND	
94 Isopropylbenzene	105		12.488				ND	
95 Bromoform	173		12.500				ND	
97 1,1,2,2-Tetrachloroethane	83		12.761				ND	
111 1,3-Dichlorobenzene	146		13.709				ND	
113 1,4-Dichlorobenzene	146		13.780				ND	
116 1,2-Dichlorobenzene	146		14.196				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.061				ND	
119 1,2,4-Trichlorobenzene	180		16.105				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

C_8260_IS_00105	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00121	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1731.D

Injection Date: 16-Jan-2018 17:27:30

Instrument ID: HP5973C

Operator ID: RR

Lims ID: 480-129995-A-16

Lab Sample ID: 480-129995-16

Worklist Smp#: 34

Client ID: DPT-4

Purge Vol: 5.000 mL

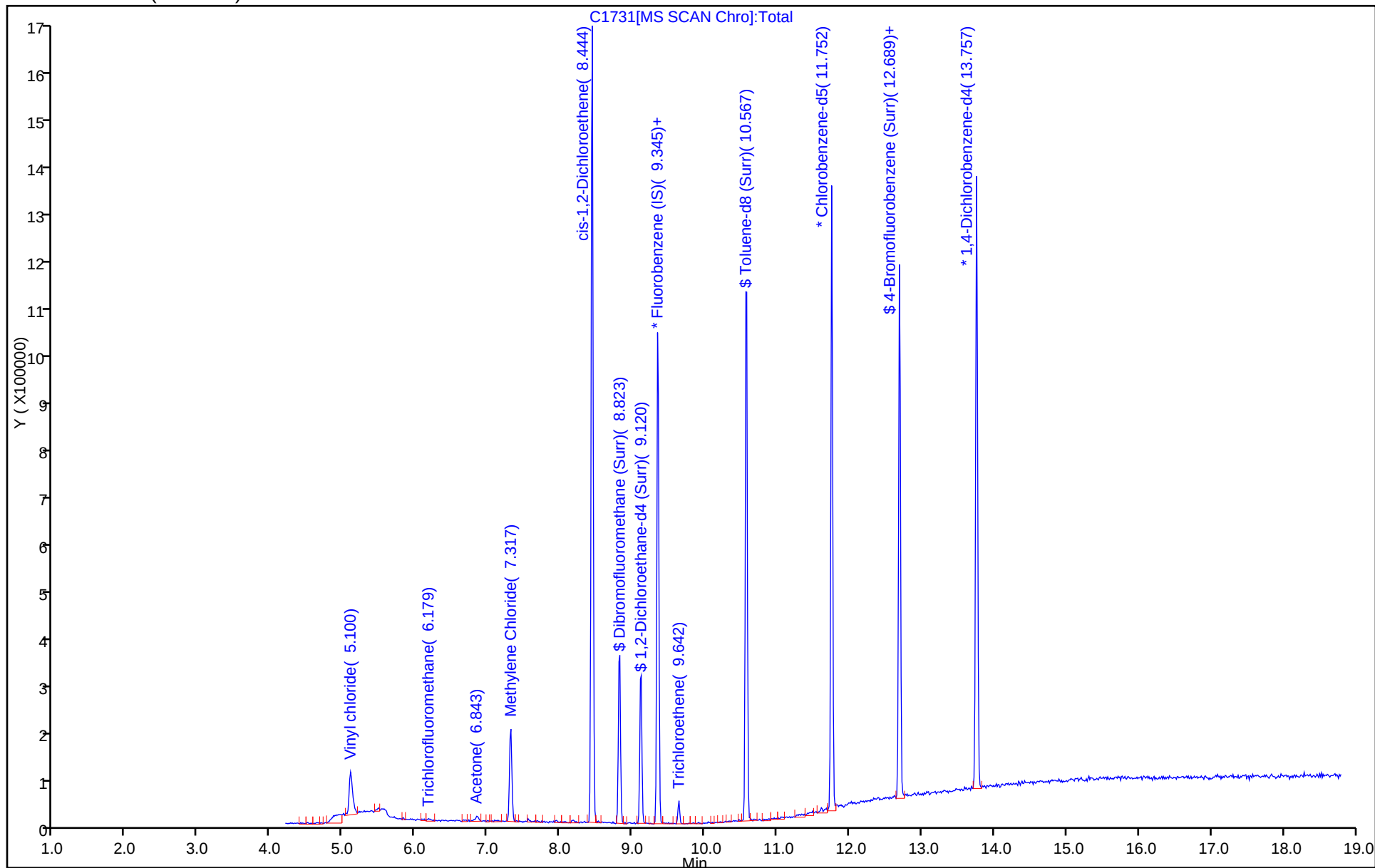
Dil. Factor: 50.0000

ALS Bottle#: 22

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1731.D

Injection Date: 16-Jan-2018 17:27:30

Instrument ID: HP5973C

Lims ID: 480-129995-A-16

Lab Sample ID: 480-129995-16

Client ID: DPT-4

Operator ID: RR

ALS Bottle#: 22

Worklist Smp#: 34

Purge Vol: 5.000 mL

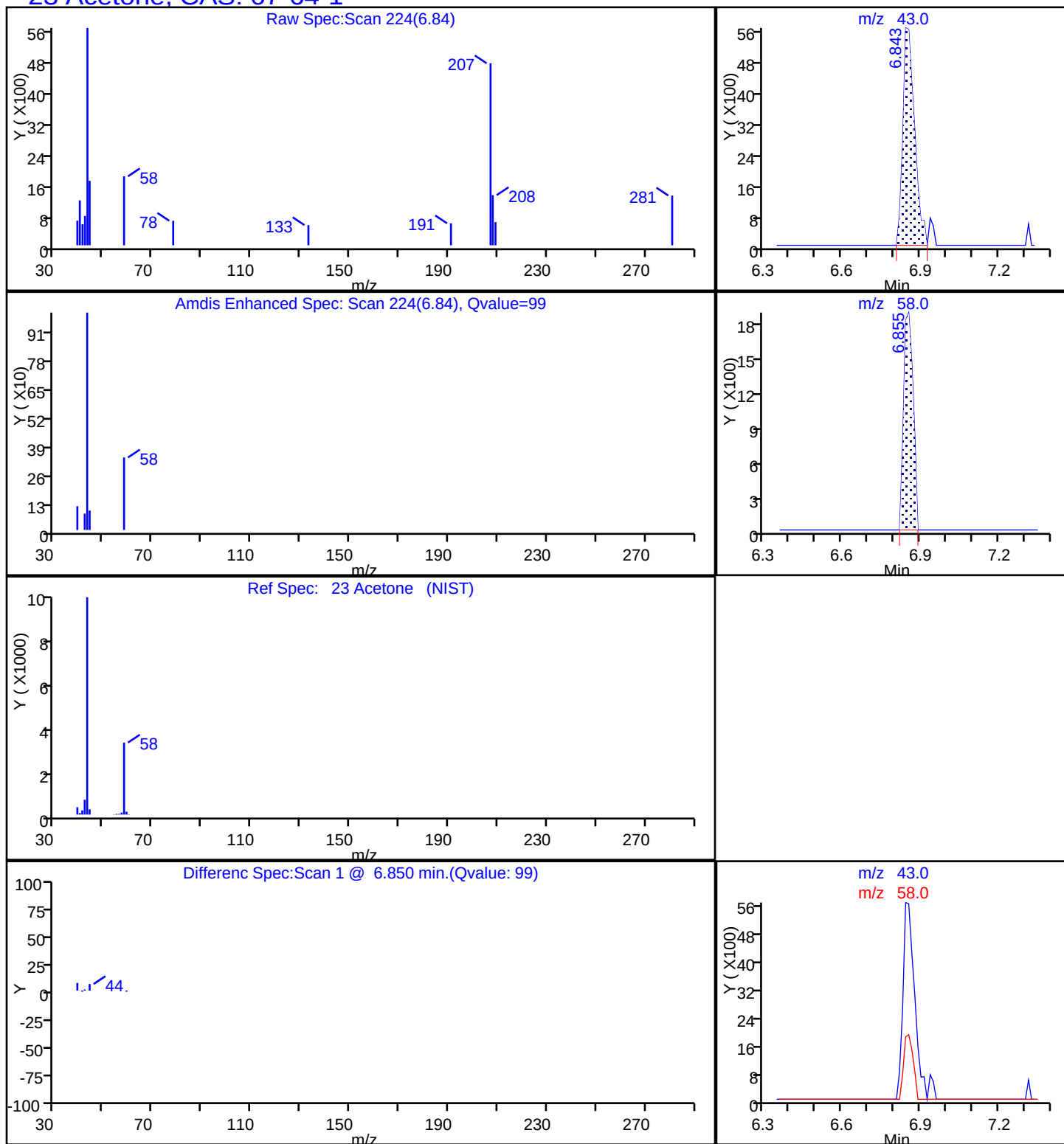
Dil. Factor: 50.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1731.D

Injection Date: 16-Jan-2018 17:27:30

Instrument ID: HP5973C

Lims ID: 480-129995-A-16

Lab Sample ID: 480-129995-16

Client ID: DPT-4

Operator ID: RR

ALS Bottle#: 22

Worklist Smp#: 34

Purge Vol: 5.000 mL

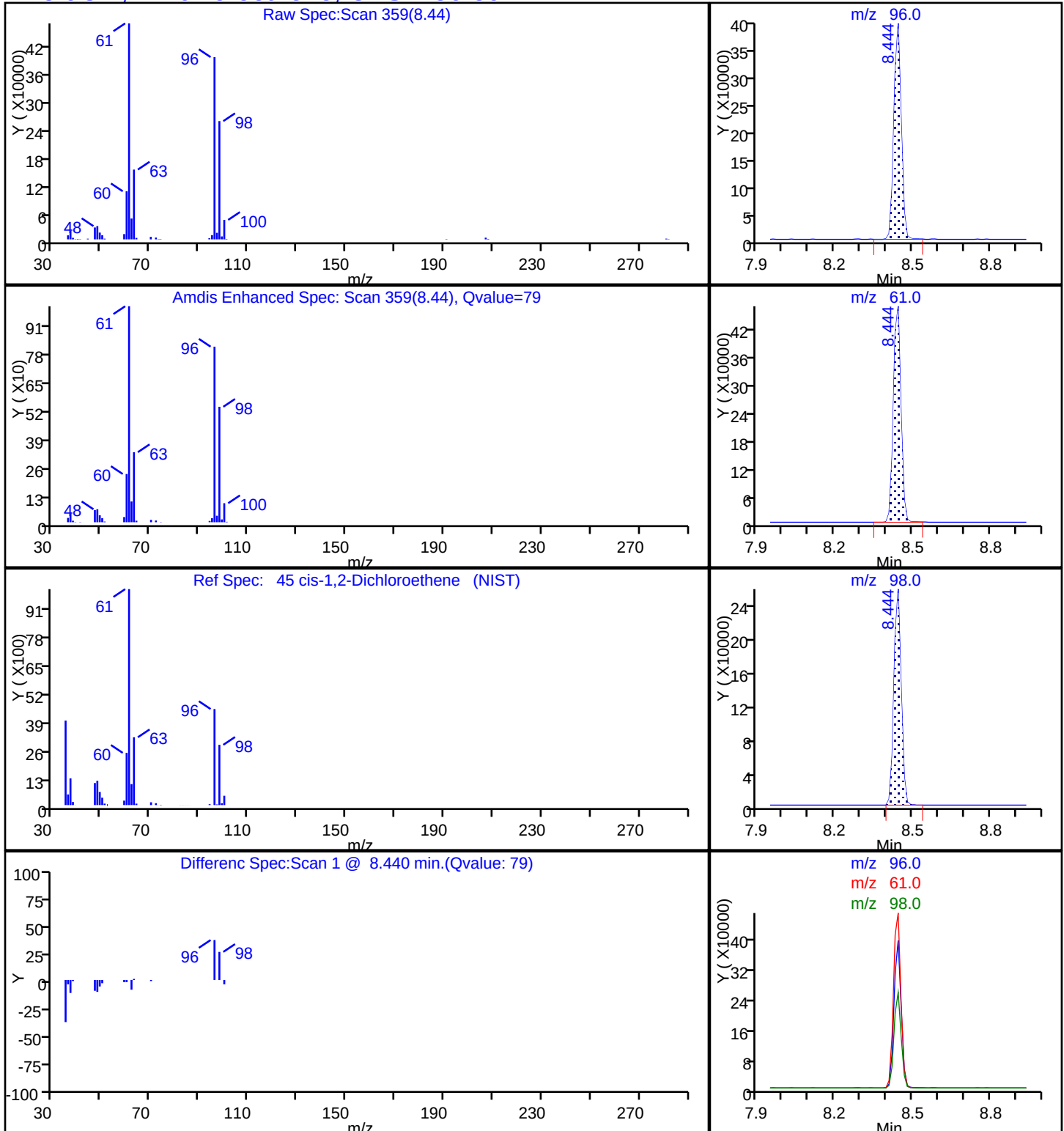
Dil. Factor: 50.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180116-68592.b\\C1731.D

Injection Date: 16-Jan-2018 17:27:30

Instrument ID: HP5973C

Lims ID: 480-129995-A-16

Lab Sample ID: 480-129995-16

Client ID: DPT-4

Operator ID: RR

ALS Bottle#: 22

Worklist Smp#: 34

Purge Vol: 5.000 mL

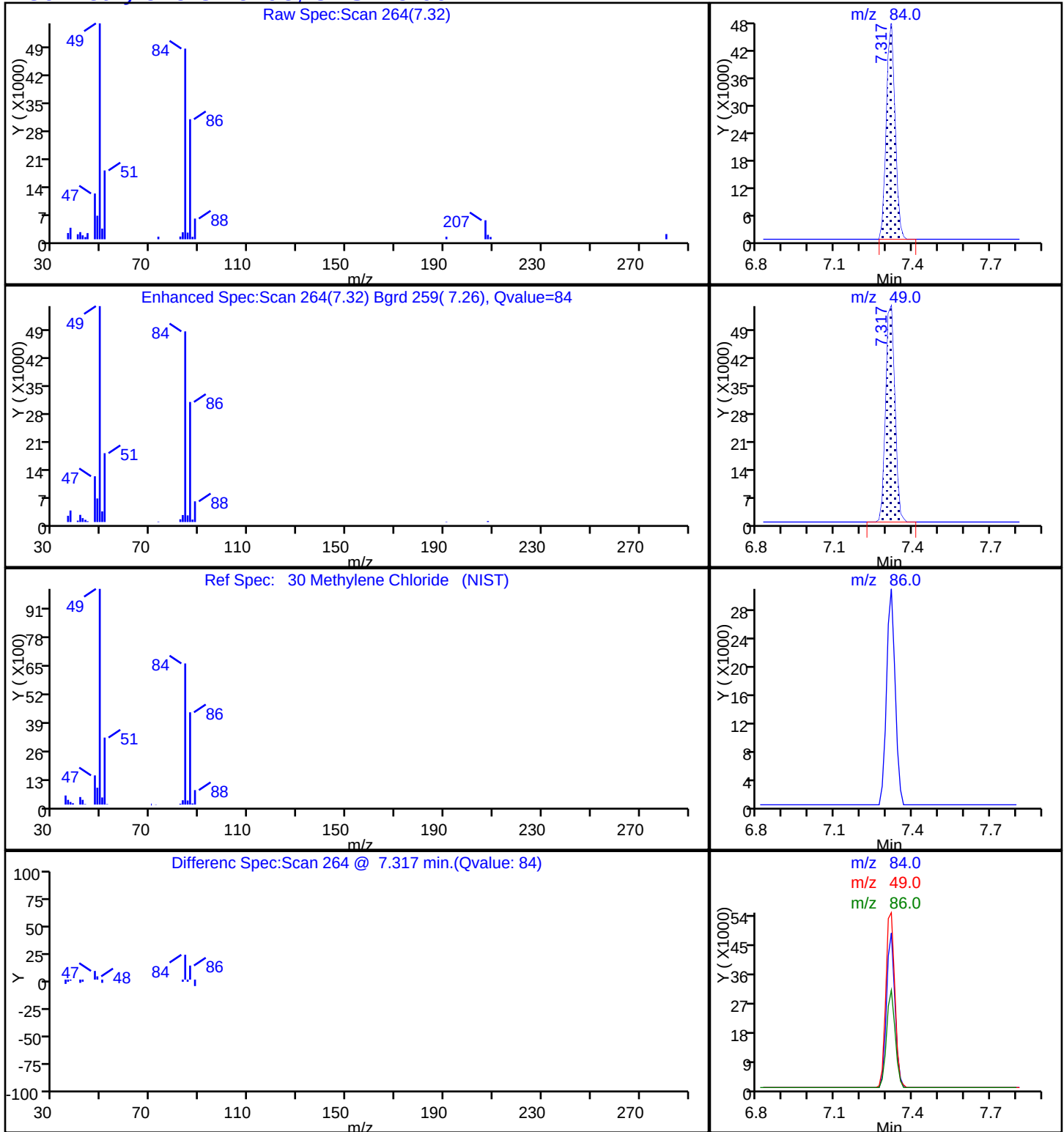
Dil. Factor: 50.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1731.D

Injection Date: 16-Jan-2018 17:27:30

Instrument ID: HP5973C

Lims ID: 480-129995-A-16

Lab Sample ID: 480-129995-16

Client ID: DPT-4

Operator ID: RR

ALS Bottle#: 22

Worklist Smp#: 34

Purge Vol: 5.000 mL

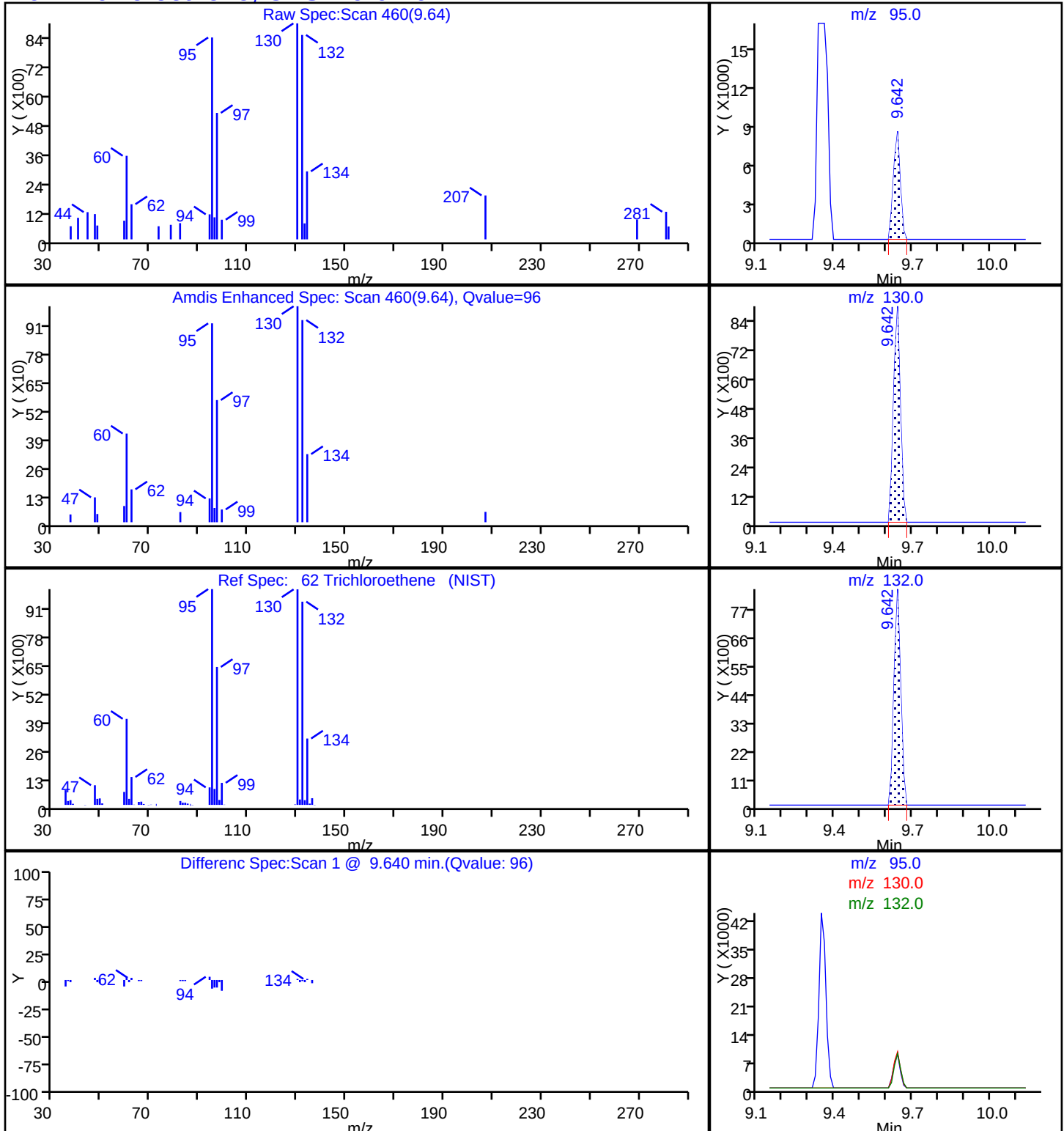
Dil. Factor: 50.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180116-68592.b\\C1731.D

Injection Date: 16-Jan-2018 17:27:30

Instrument ID: HP5973C

Lims ID: 480-129995-A-16

Lab Sample ID: 480-129995-16

Client ID: DPT-4

Operator ID: RR

ALS Bottle#: 22

Worklist Smp#: 34

Purge Vol: 5.000 mL

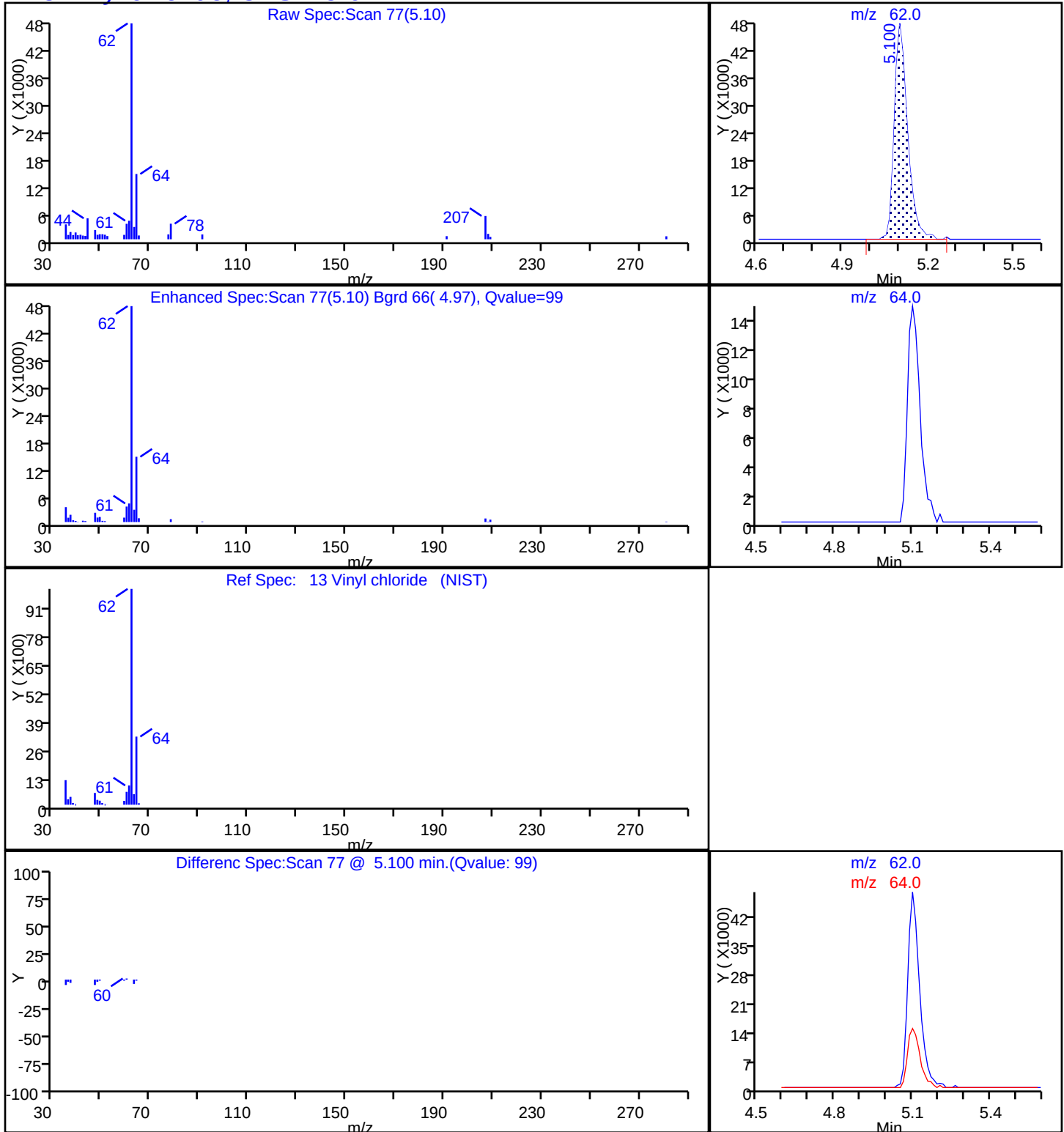
Dil. Factor: 50.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>DPT-5</u>	Lab Sample ID: <u>480-129995-17</u>
Matrix: <u>Water</u>	Lab File ID: <u>C1744.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/10/2018 12:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/16/2018 23:43</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>396044</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
75-34-3	1,1-Dichloroethane	66		10	3.8
75-35-4	1,1-Dichloroethene	ND		10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
106-93-4	1,2-Dibromoethane	ND		10	7.3
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
78-93-3	2-Butanone (MEK)	21	J	100	13
591-78-6	2-Hexanone	ND		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	90	J	100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Bromodichloromethane	ND		10	3.9
75-25-2	Bromoform	ND		10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	3.1	J	10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
75-00-3	Chloroethane	80		10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	480		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
124-48-1	Dibromochloromethane	ND		10	3.2
75-71-8	Dichlorodifluoromethane	ND		10	6.8
100-41-4	Ethylbenzene	ND		10	7.4
98-82-8	Isopropylbenzene	ND		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: DPT-5 Lab Sample ID: 480-129995-17
 Matrix: Water Lab File ID: C1744.D
 Analysis Method: 8260C Date Collected: 01/10/2018 12:00
 Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 23:43
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 396044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		25	13
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	ND		10	4.4
100-42-5	Styrene	ND		10	7.3
127-18-4	Tetrachloroethene	ND		10	3.6
108-88-3	Toluene	9.6	J	10	5.1
156-60-5	trans-1,2-Dichloroethene	ND		10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	3.7
79-01-6	Trichloroethene	6.7	J	10	4.6
75-69-4	Trichlorofluoromethane	ND		10	8.8
75-01-4	Vinyl chloride	250		10	9.0
1330-20-7	Xylenes, Total	ND		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
2037-26-5	Toluene-d8 (Surr)	106		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1744.D
 Lims ID: 480-129995-B-17
 Client ID: DPT-5
 Sample Type: Client
 Inject. Date: 16-Jan-2018 23:43:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-129995-b-17
 Misc. Info.: 480-0068612-009
 Operator ID: KN Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jan-2018 14:17:45 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: reiler

Date: 17-Jan-2018 14:17:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.345	9.345	0.000	99	179661	25.0	
* 2 Chlorobenzene-d5	82	11.753	11.753	0.000	86	397747	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	95	424327	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.824	8.812	0.012	93	271620	27.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.120	9.108	0.012	97	156532	28.3	
\$ 5 Toluene-d8 (Surr)	98	10.579	10.579	0.000	93	985232	26.6	
\$ 6 4-Bromofluorobenzene (Surr	174	12.701	12.701	0.000	96	328438	24.3	
10 Dichlorodifluoromethane	85		4.460				ND	
12 Chloromethane	50		4.887				ND	
13 Vinyl chloride	62	5.100	5.100	0.000	98	449125	24.8	
14 Bromomethane	94		5.705				ND	
15 Chloroethane	64	5.835	5.835	0.000	99	88782	8.03	
17 Trichlorofluoromethane	101		6.179				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.748				ND	
22 1,1-Dichloroethene	96		6.808				ND	
23 Acetone	43	6.855	6.843	0.012	99	40340	8.96	
26 Carbon disulfide	76	7.128	7.128	0.000	97	16453	0.3140	
27 Methyl acetate	43		7.140				ND	
30 Methylene Chloride	84	7.318	7.318	0.000	1	5131	0.3008	M
32 Methyl tert-butyl ether	73		7.495				ND	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	78	12859	0.8149	
39 1,1-Dichloroethane	63	7.946	7.946	0.000	96	165320	6.58	
43 2-Butanone (MEK)	43	8.409	8.397	0.012	98	12480	2.06	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.000	79	846277	47.8	
50 Chloroform	83		8.669				ND	
51 1,1,1-Trichloroethane	97	8.859	8.859	0.000	92	4259	0.1742	
52 Cyclohexane	56		8.907				ND	
55 Carbon tetrachloride	117		9.001				ND	
58 1,2-Dichloroethane	62		9.167				ND	
57 Benzene	78	9.167	9.167	0.000	88	7909	0.1360	M
62 Trichloroethene	95	9.642	9.642	0.000	94	10858	0.6722	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		9.784				ND	
65 1,2-Dichloropropane	63		9.832				ND	
68 Dichlorobromomethane	83		10.033				ND	
72 cis-1,3-Dichloropropene	75		10.353				ND	
73 4-Methyl-2-pentanone (MIBK)	43		10.389				ND	
74 Toluene	92	10.626	10.626	0.000	99	36782	0.9649	
77 trans-1,3-Dichloropropene	75		10.768				ND	
79 1,1,2-Trichloroethane	83		10.946				ND	
80 2-Hexanone	43		11.029				ND	
81 Tetrachloroethene	166		11.077				ND	
83 Chlorodibromomethane	129		11.302				ND	
84 Ethylene Dibromide	107		11.444				ND	
87 Chlorobenzene	112		11.776				ND	
88 Ethylbenzene	91	11.788	11.788	0.000	93	15372	0.2173	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	94	8579	0.3002	
91 o-Xylene	106	12.227	12.215	0.012	96	6922	0.2468	
92 Styrene	104		12.227				ND	
95 Bromoform	173		12.488				ND	
94 Isopropylbenzene	105		12.488				ND	
97 1,1,2,2-Tetrachloroethane	83		12.761				ND	
111 1,3-Dichlorobenzene	146		13.709				ND	
113 1,4-Dichlorobenzene	146		13.780				ND	
116 1,2-Dichlorobenzene	146		14.196				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.061				ND	
119 1,2,4-Trichlorobenzene	180		16.105				ND	
S 124 Xylenes, Total	1				0		0.5470	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

C_8260_IS_00105

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00122

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1744.D

Injection Date: 16-Jan-2018 23:43:30

Instrument ID: HP5973C

Operator ID: KN

Lims ID: 480-129995-B-17

Lab Sample ID: 480-129995-17

Worklist Smp#: 9

Client ID: DPT-5

Purge Vol: 5.000 mL

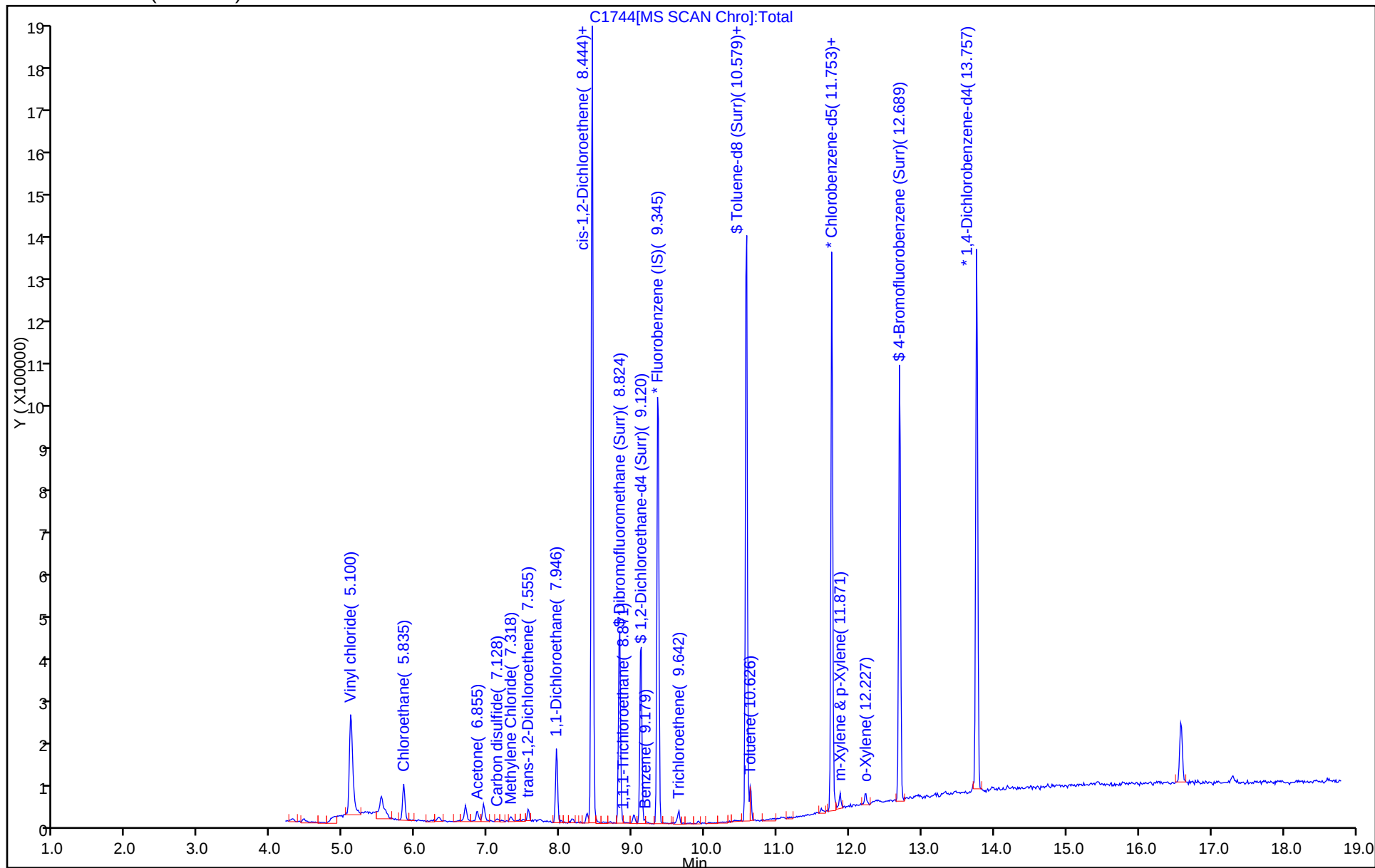
Dil. Factor: 10.0000

ALS Bottle#: 8

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1744.D

Injection Date: 16-Jan-2018 23:43:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-17

Lab Sample ID: 480-129995-17

Client ID: DPT-5

Operator ID: KN

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 5.000 mL

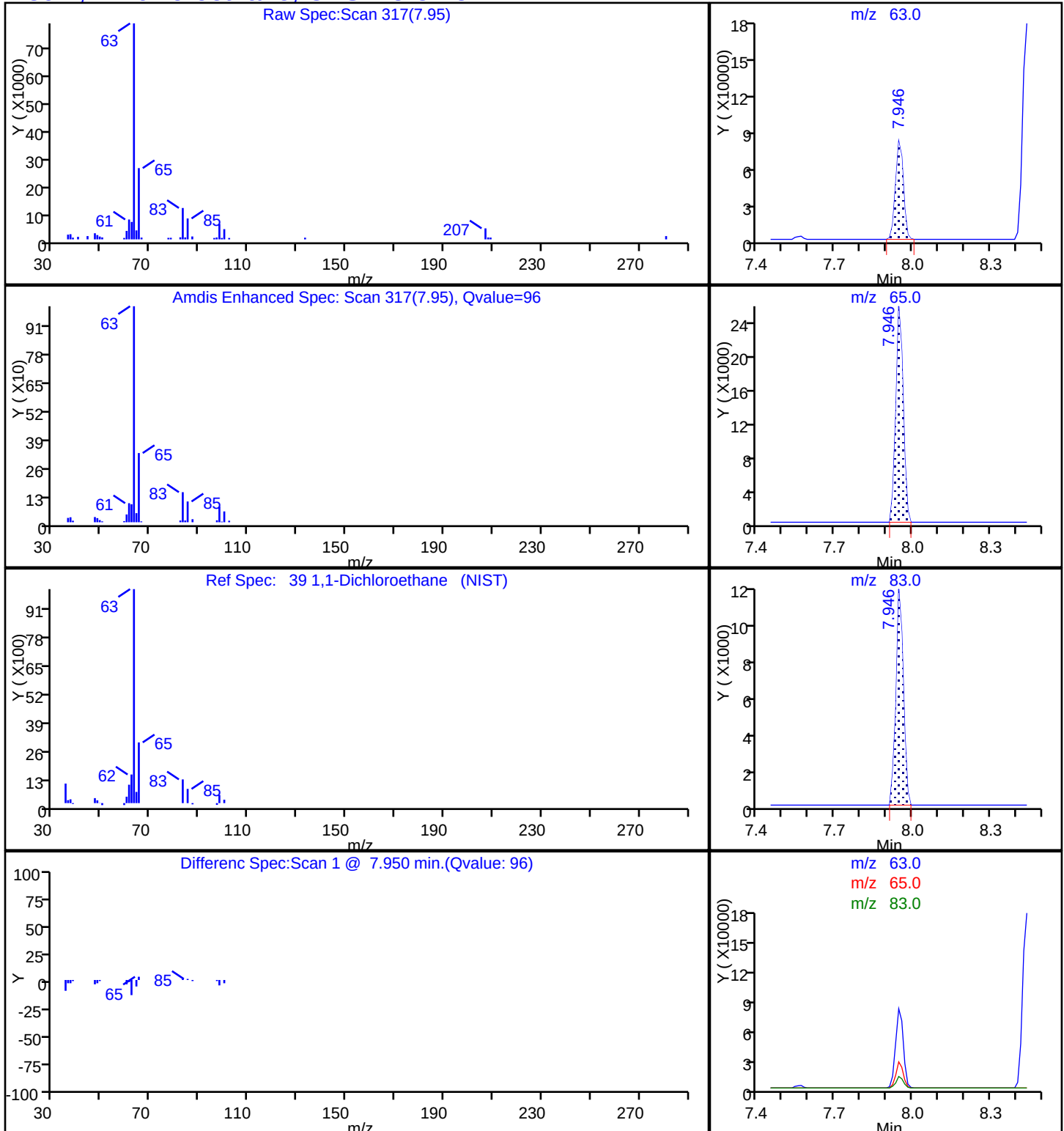
Dil. Factor: 10.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1744.D

Injection Date: 16-Jan-2018 23:43:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-17

Lab Sample ID: 480-129995-17

Client ID: DPT-5

Operator ID: KN

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 5.000 mL

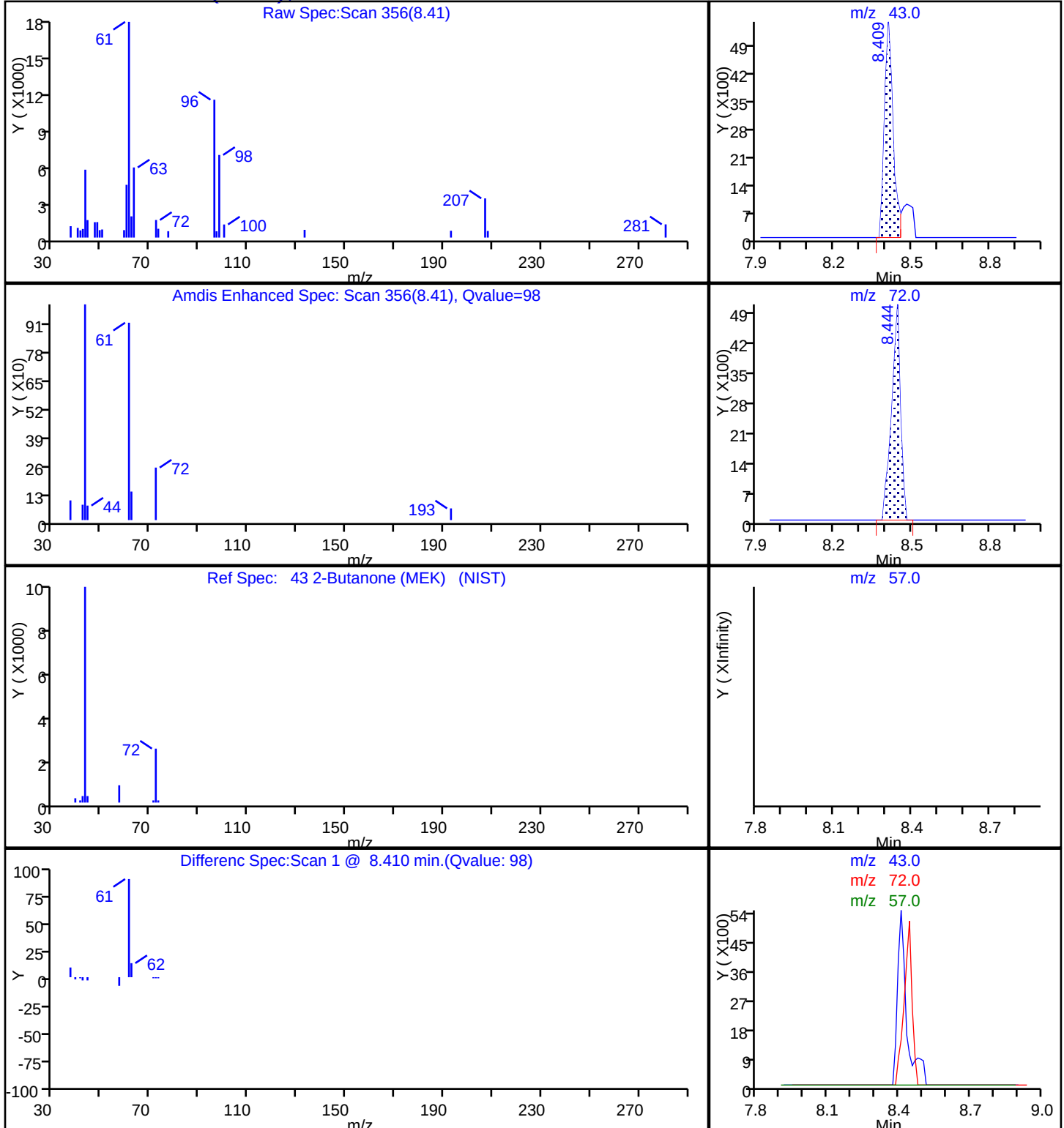
Dil. Factor: 10.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1744.D

Injection Date: 16-Jan-2018 23:43:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-17

Lab Sample ID: 480-129995-17

Client ID: DPT-5

Operator ID: KN

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 5.000 mL

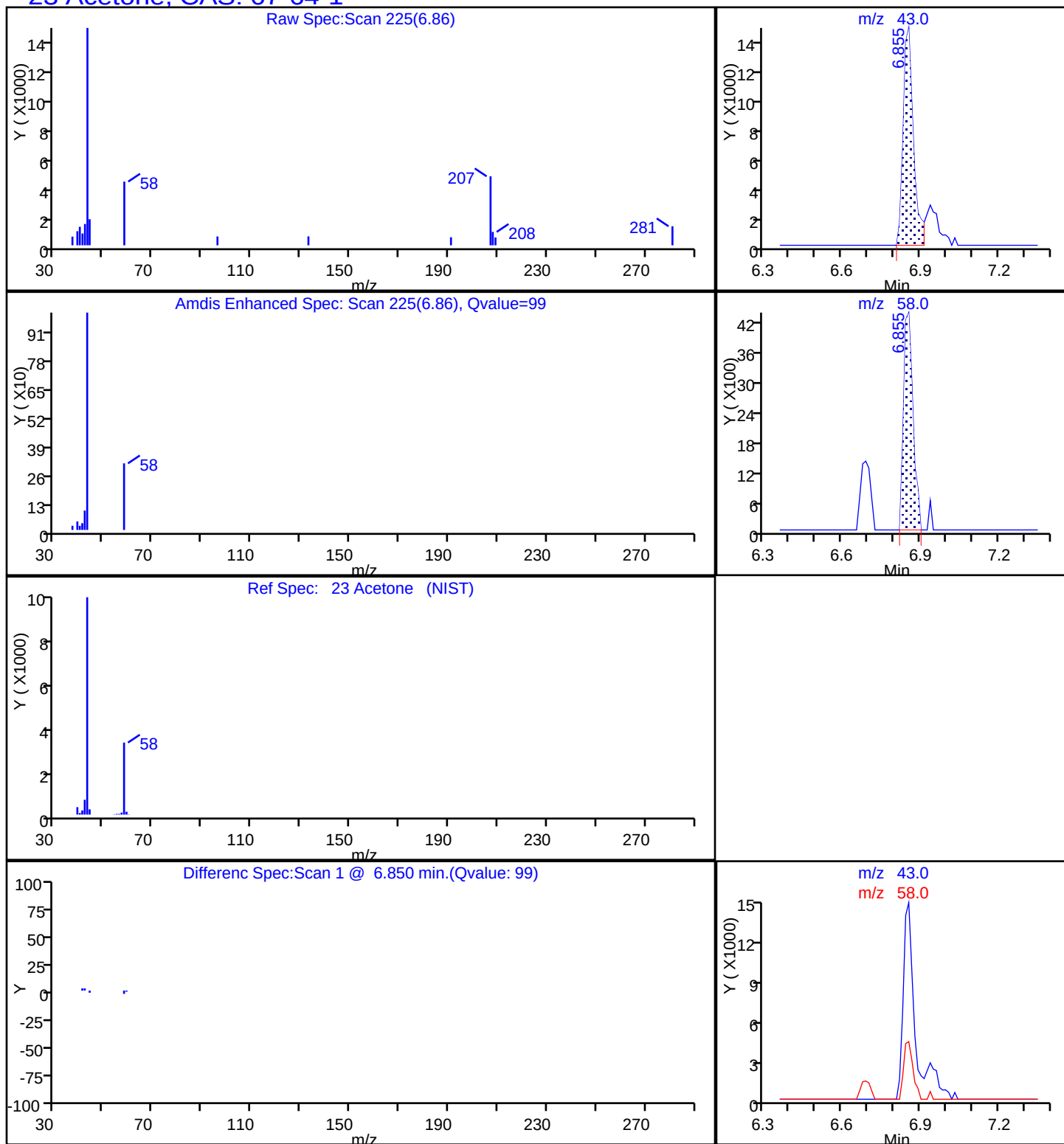
Dil. Factor: 10.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1744.D

Injection Date: 16-Jan-2018 23:43:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-17

Lab Sample ID: 480-129995-17

Client ID: DPT-5

Operator ID: KN

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 5.000 mL

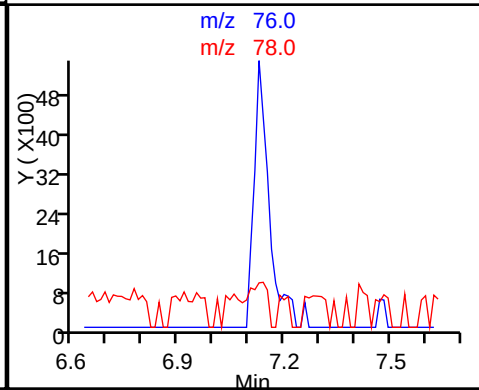
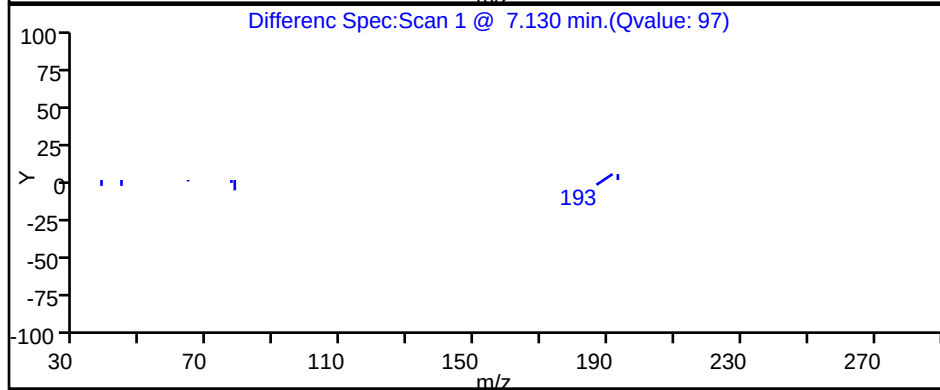
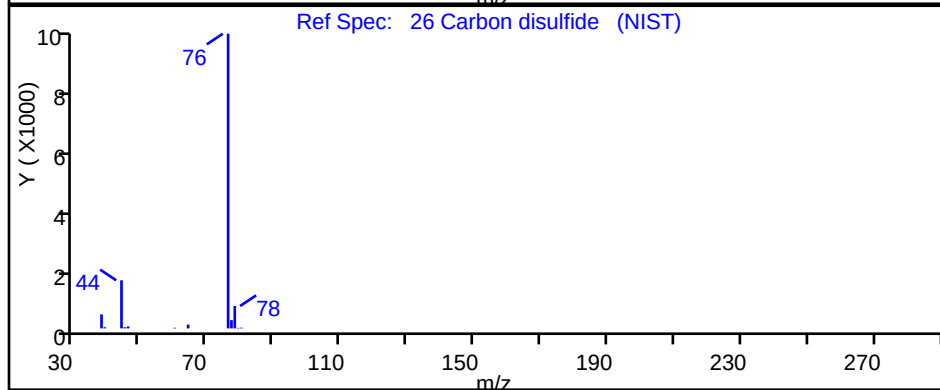
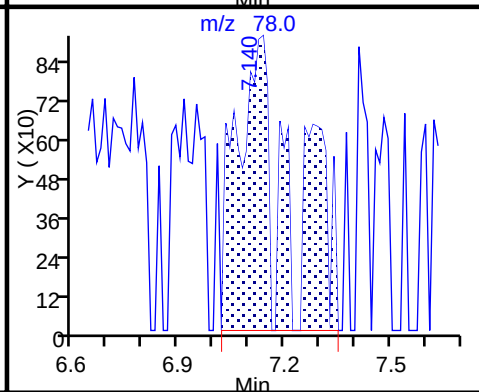
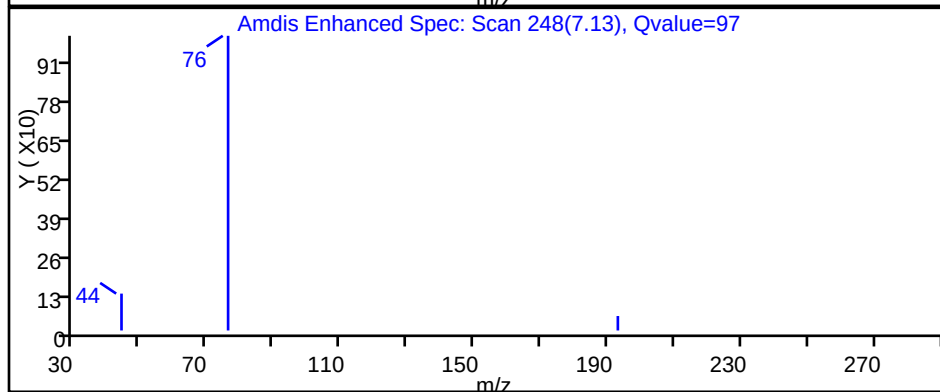
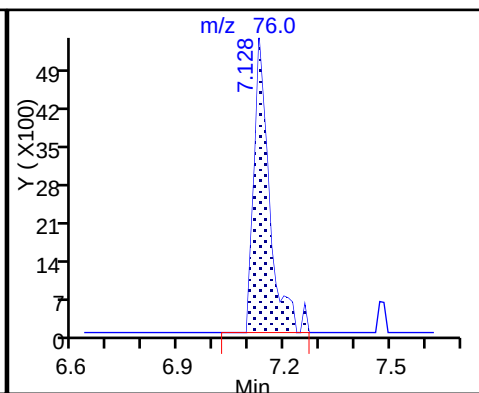
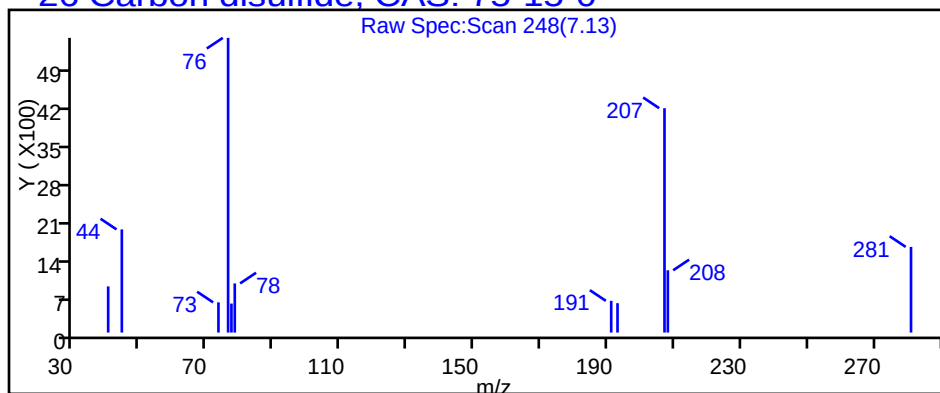
Dil. Factor: 10.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

26 Carbon disulfide, CAS: 75-15-0

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1744.D

Injection Date: 16-Jan-2018 23:43:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-17

Lab Sample ID: 480-129995-17

Client ID: DPT-5

Operator ID: KN

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 5.000 mL

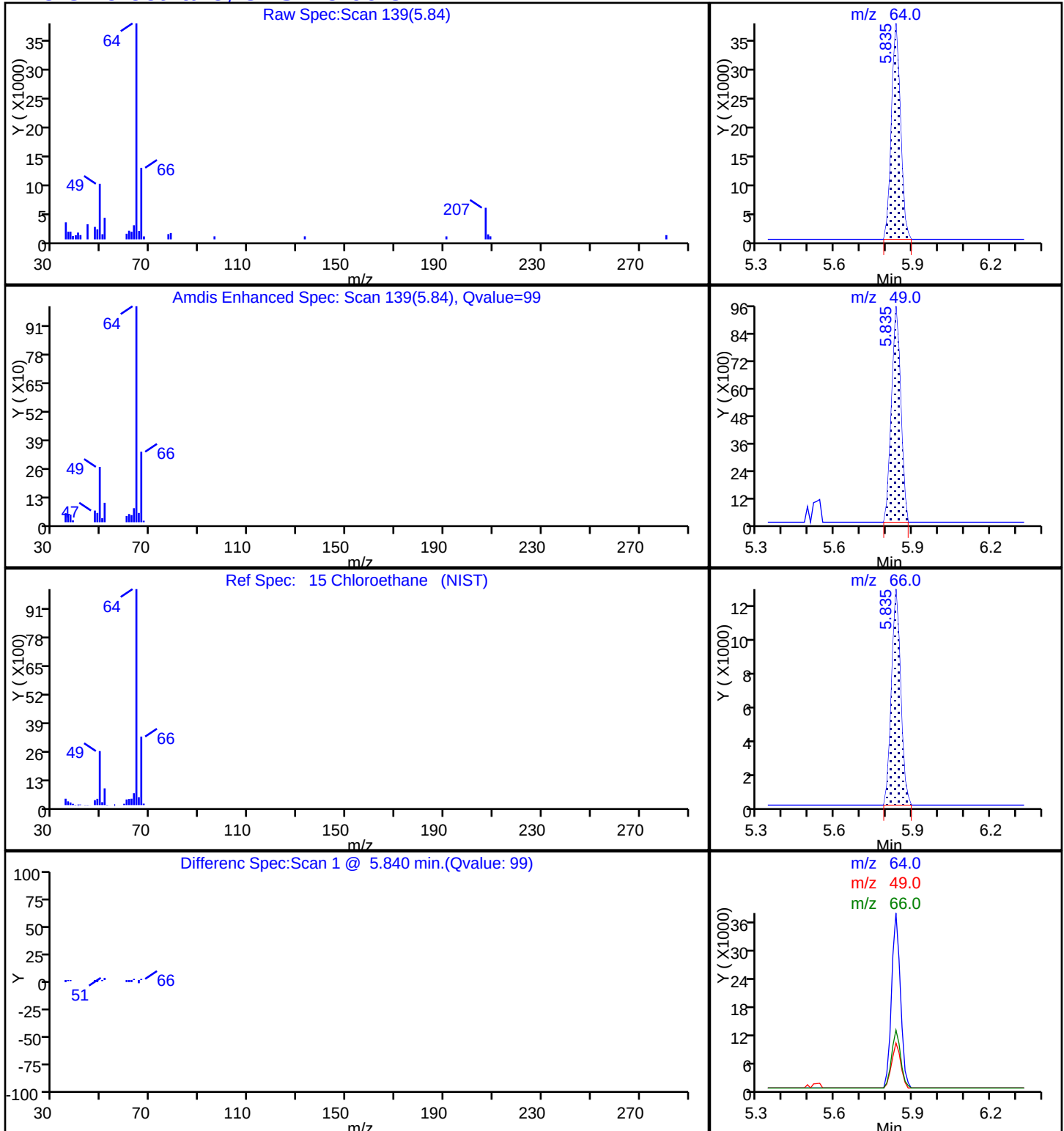
Dil. Factor: 10.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1744.D

Injection Date: 16-Jan-2018 23:43:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-17

Lab Sample ID: 480-129995-17

Client ID: DPT-5

Operator ID: KN

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 5.000 mL

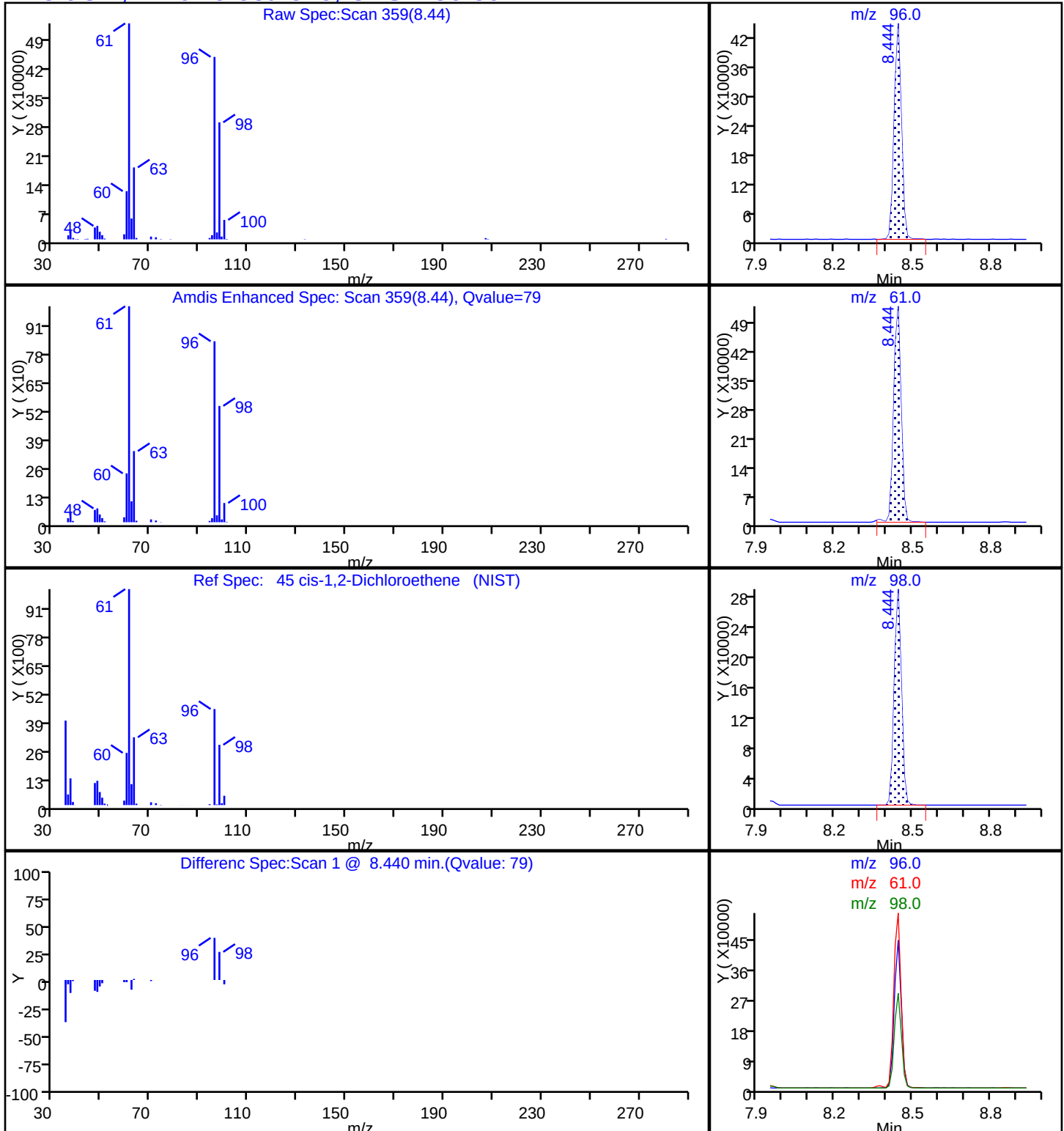
Dil. Factor: 10.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1744.D

Injection Date: 16-Jan-2018 23:43:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-17

Lab Sample ID: 480-129995-17

Client ID: DPT-5

Operator ID: KN

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 5.000 mL

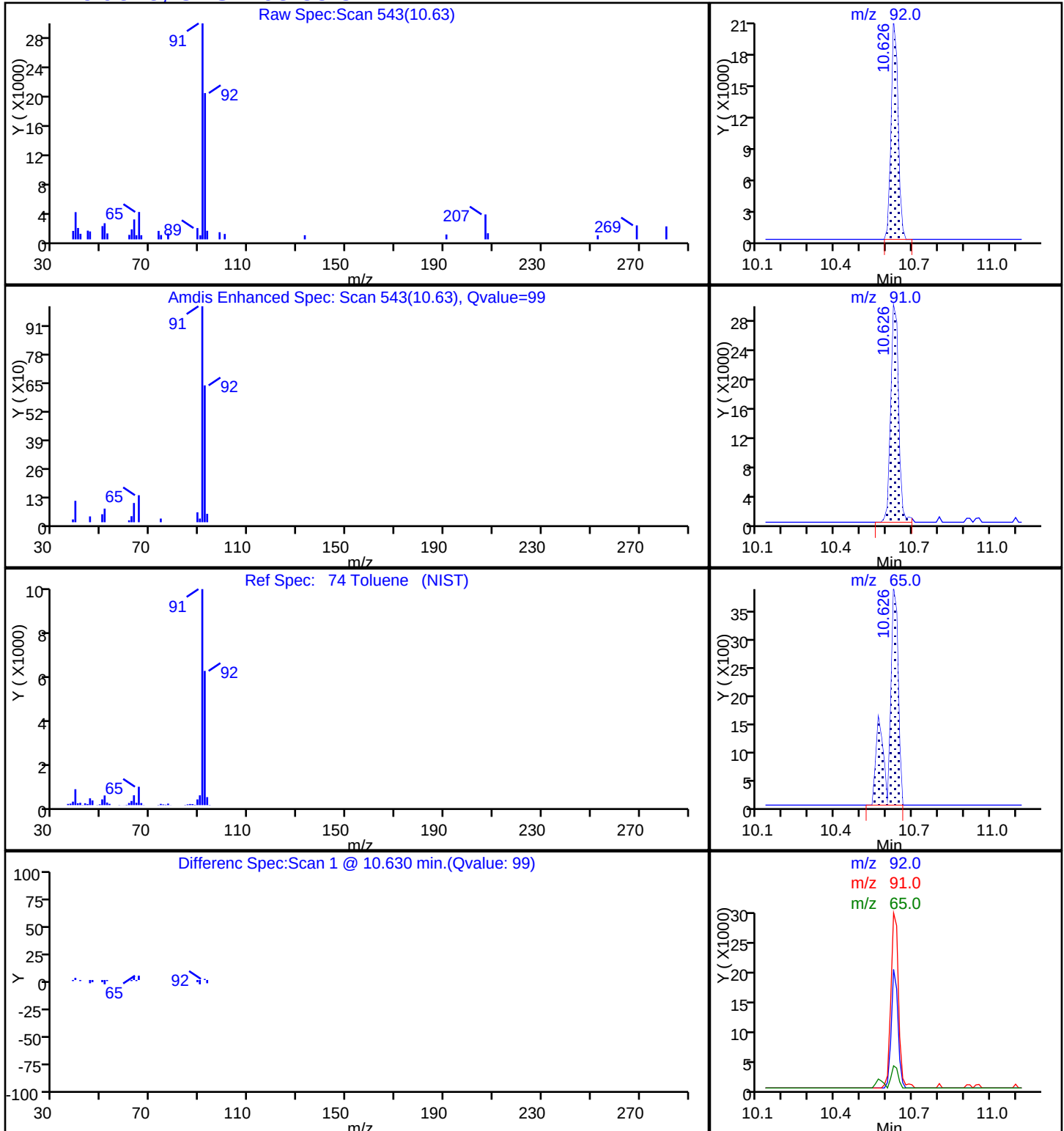
Dil. Factor: 10.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

74 Toluene, CAS: 108-88-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1744.D

Injection Date: 16-Jan-2018 23:43:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-17

Lab Sample ID: 480-129995-17

Client ID: DPT-5

Operator ID: KN

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 5.000 mL

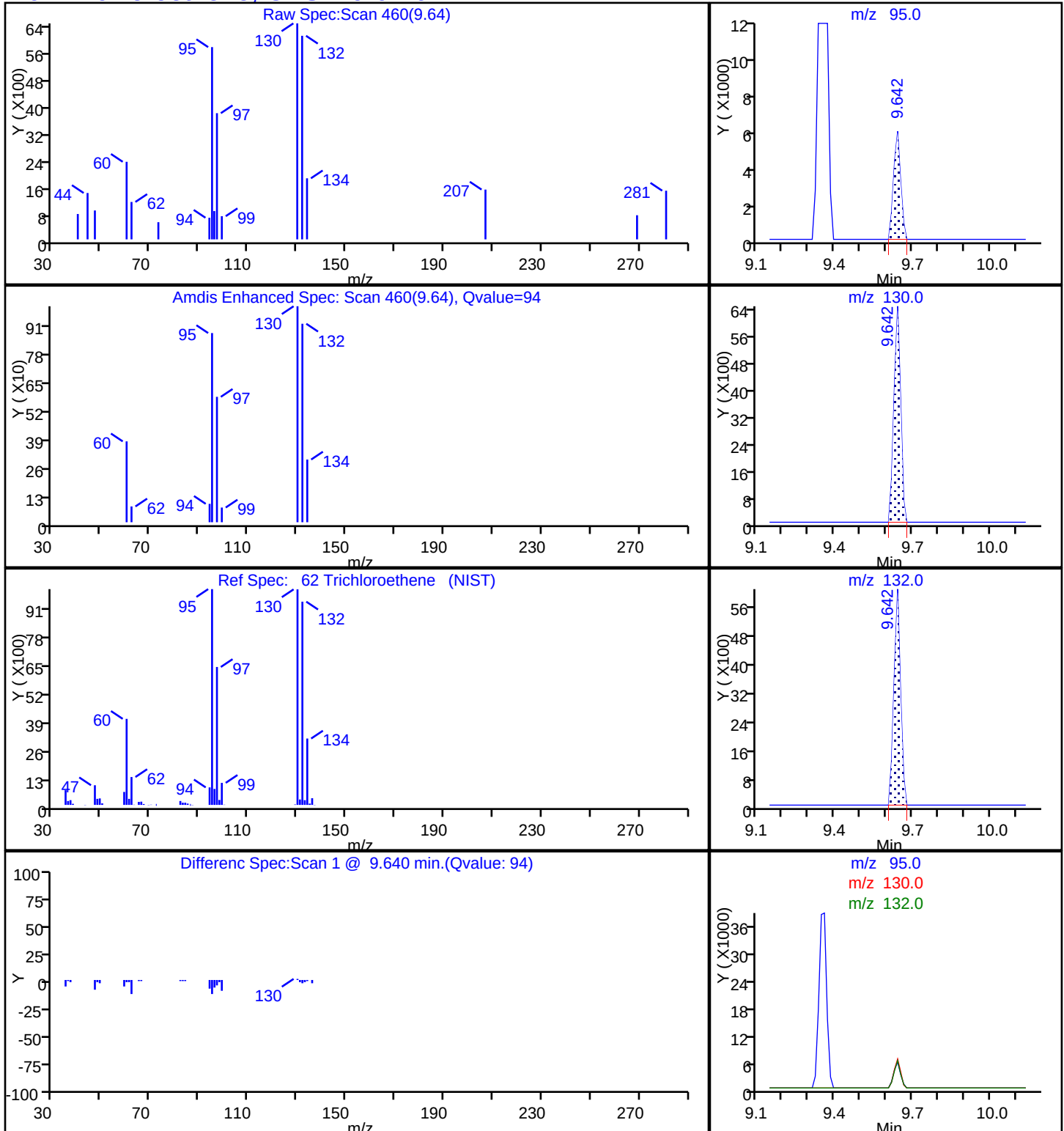
Dil. Factor: 10.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1744.D

Injection Date: 16-Jan-2018 23:43:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-17

Lab Sample ID: 480-129995-17

Client ID: DPT-5

Operator ID: KN

ALS Bottle#: 8

Worklist Smp#: 9

Purge Vol: 5.000 mL

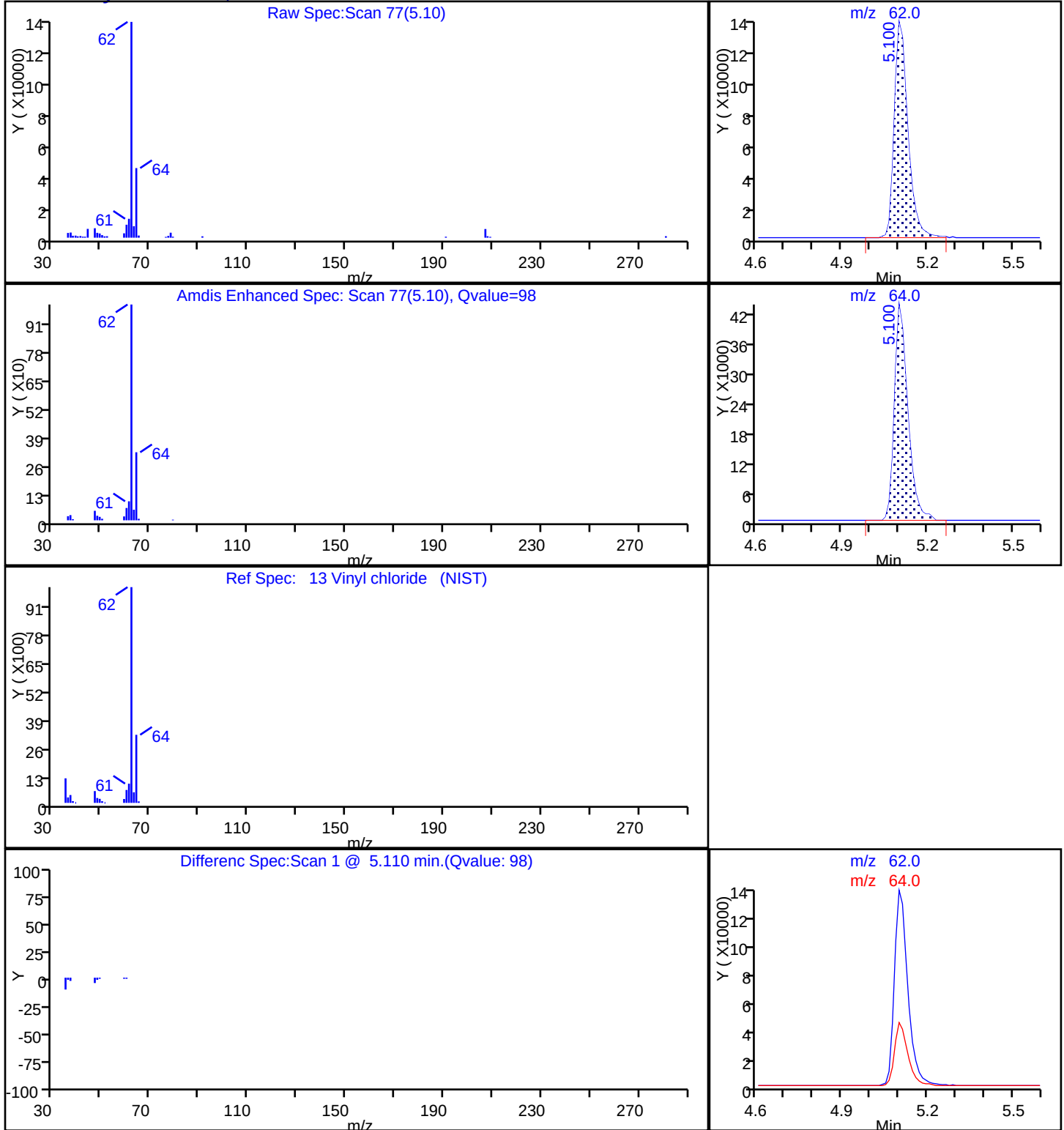
Dil. Factor: 10.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

TestAmerica Buffalo

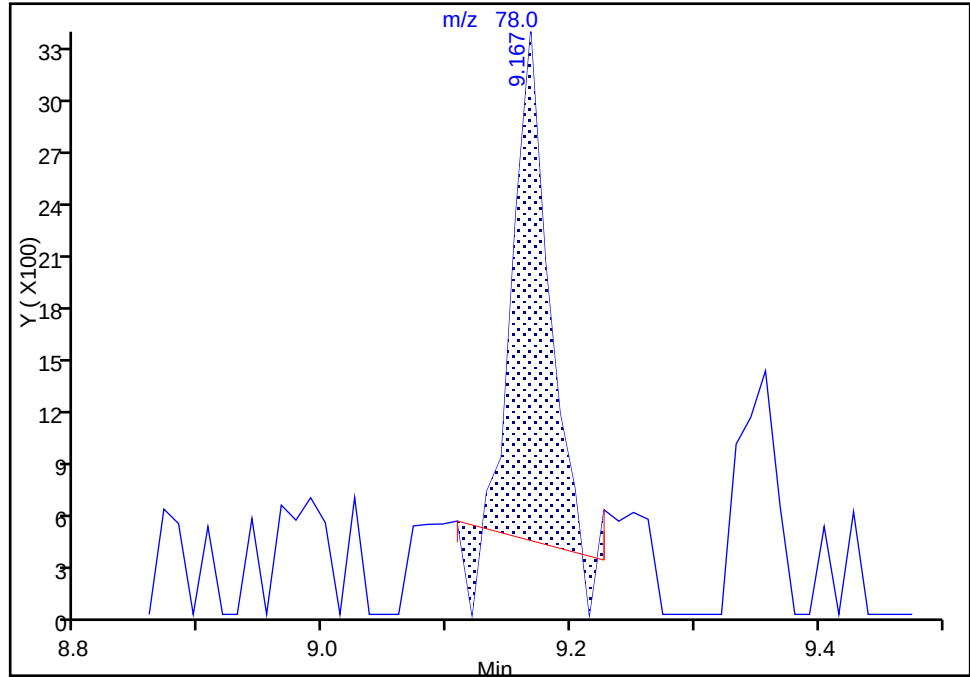
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1744.D
Injection Date: 16-Jan-2018 23:43:30 Instrument ID: HP5973C
Lims ID: 480-129995-B-17 Lab Sample ID: 480-129995-17
Client ID: DPT-5
Operator ID: KN ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

57 Benzene, CAS: 71-43-2

Signal: 1

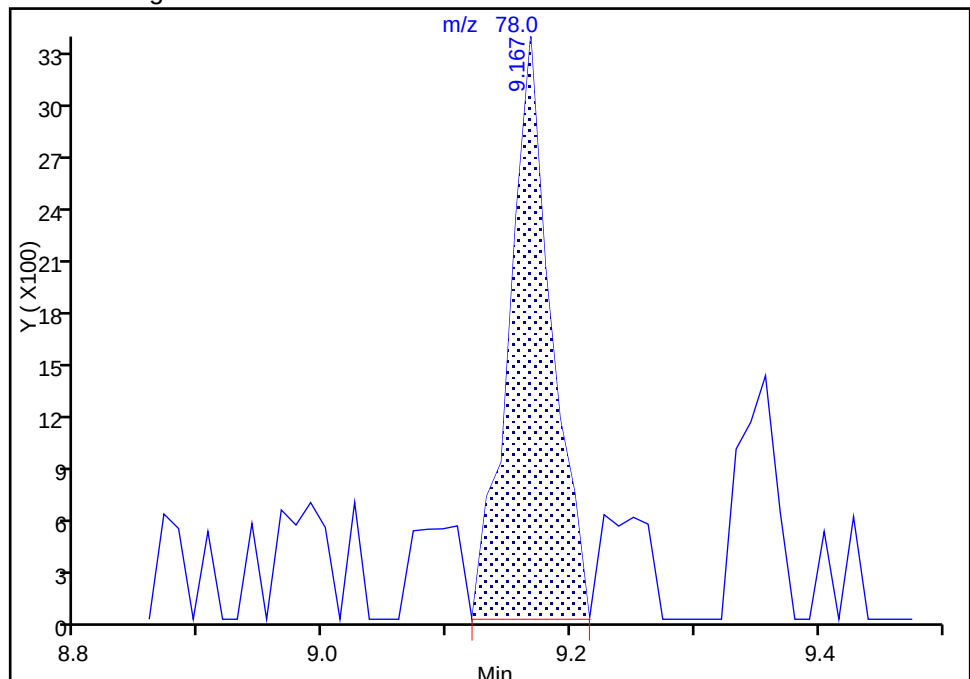
RT: 9.17
Area: 5414
Amount: 0.093068
Amount Units: ug/L

Processing Integration Results



RT: 9.17
Area: 7909
Amount: 0.135957
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 17-Jan-2018 14:16:48
Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

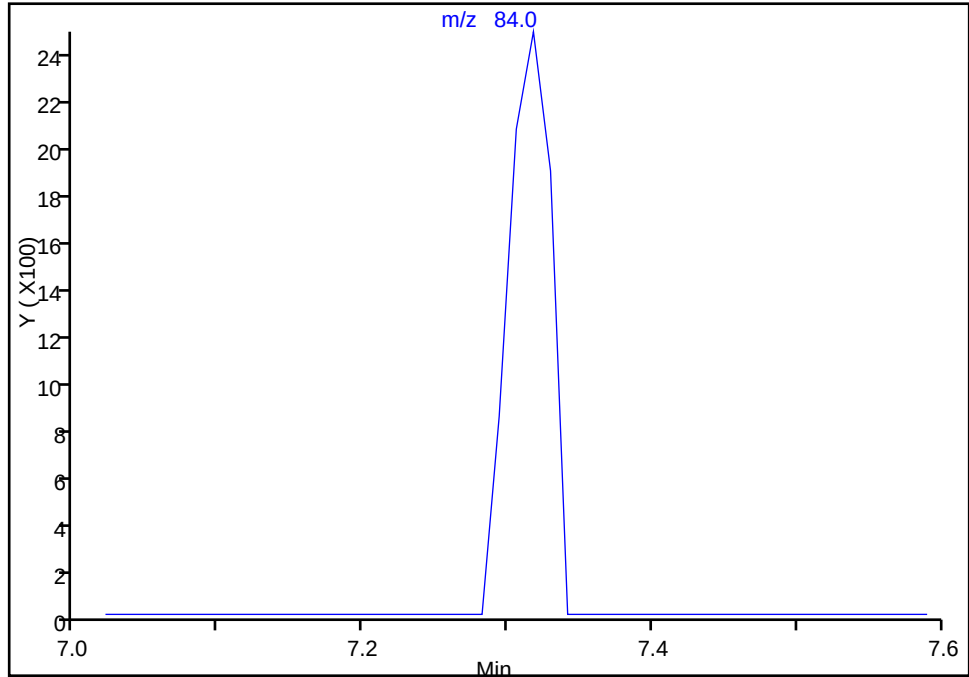
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1744.D		
Injection Date:	16-Jan-2018 23:43:30	Instrument ID:	HP5973C
Lims ID:	480-129995-B-17	Lab Sample ID:	480-129995-17
Client ID:	DPT-5		
Operator ID:	KN	ALS Bottle#:	8
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	C-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	9

30 Methylene Chloride, CAS: 75-09-2

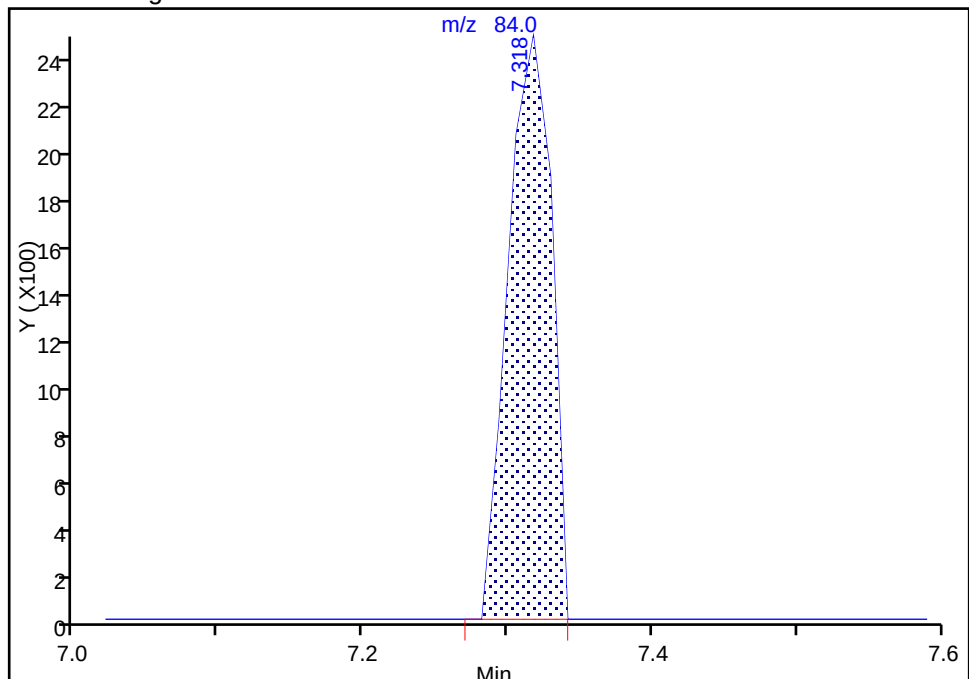
Signal: 1

Not Detected
Expected RT: 7.32

Processing Integration Results

RT: 7.32
Area: 5131
Amount: 0.300817
Amount Units: ug/L

Manual Integration Results

Reviewer: reiler, 17-Jan-2018 14:16:18
Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

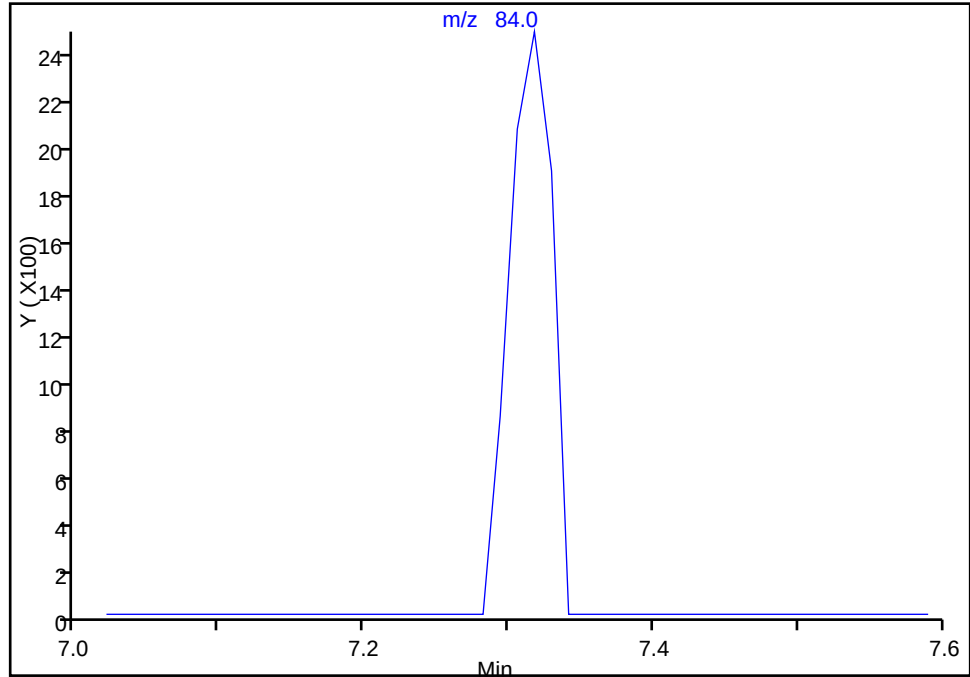
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1744.D		
Injection Date:	16-Jan-2018 23:43:30	Instrument ID:	HP5973C
Lims ID:	480-129995-B-17	Lab Sample ID:	480-129995-17
Client ID:	DPT-5		
Operator ID:	KN	ALS Bottle#:	8
Purge Vol:	5.000 mL	Dil. Factor:	10.0000
Method:	C-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	9

30 Methylene Chloride, CAS: 75-09-2

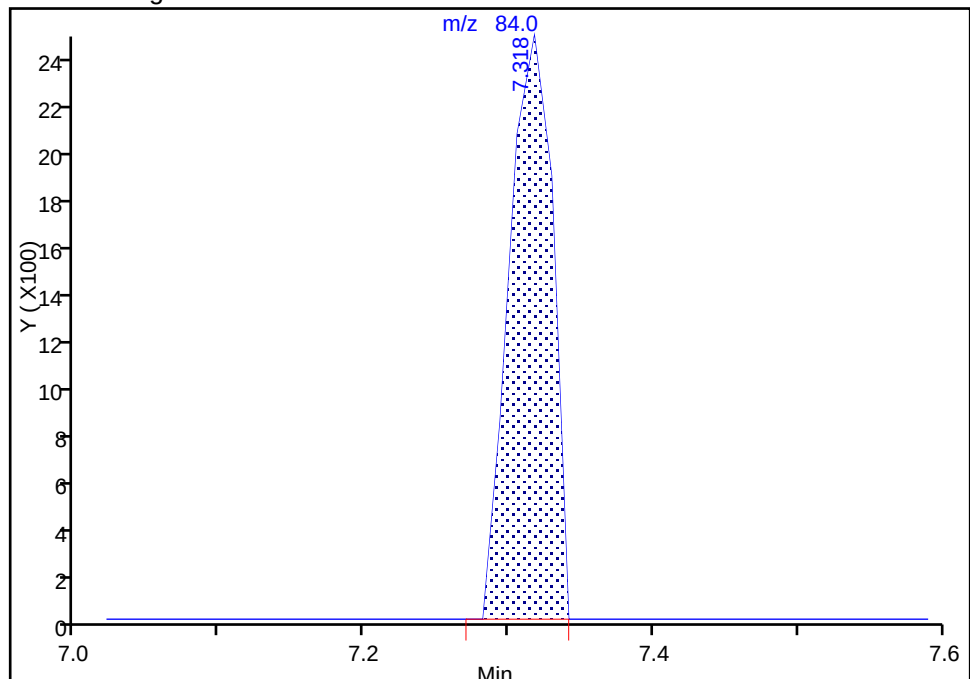
Signal: 1

Not Detected
Expected RT: 7.32

Processing Integration Results



Manual Integration Results

RT: 7.32
Area: 5131
Amount: 0.300817
Amount Units: ug/L

Reviewer: reiler, 17-Jan-2018 14:16:21

Audit Action: Manually Integrated

Audit Reason: Missed Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: DPT-7 Lab Sample ID: 480-129995-18

Matrix: Water Lab File ID: C1745.D

Analysis Method: 8260C Date Collected: 01/10/2018 11:25

Sample wt/vol: 5 (mL) Date Analyzed: 01/17/2018 00:08

Soil Aliquot Vol: _____ Dilution Factor: 10

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 396044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
75-34-3	1,1-Dichloroethane	ND		10	3.8
75-35-4	1,1-Dichloroethene	ND		10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
106-93-4	1,2-Dibromoethane	ND		10	7.3
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
78-93-3	2-Butanone (MEK)	ND		100	13
591-78-6	2-Hexanone	ND		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	ND		100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Bromodichloromethane	ND		10	3.9
75-25-2	Bromoform	ND		10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
75-00-3	Chloroethane	340		10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	10		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
124-48-1	Dibromochloromethane	ND		10	3.2
75-71-8	Dichlorodifluoromethane	ND		10	6.8
100-41-4	Ethylbenzene	ND		10	7.4
98-82-8	Isopropylbenzene	ND		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: DPT-7 Lab Sample ID: 480-129995-18
 Matrix: Water Lab File ID: C1745.D
 Analysis Method: 8260C Date Collected: 01/10/2018 11:25
 Sample wt/vol: 5 (mL) Date Analyzed: 01/17/2018 00:08
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 396044 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
2037-26-5	Toluene-d8 (Surr)	105		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1745.D
 Lims ID: 480-129995-B-18
 Client ID: DPT-7
 Sample Type: Client
 Inject. Date: 17-Jan-2018 00:08:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-129995-b-18
 Misc. Info.: 480-0068612-010
 Operator ID: KN Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jan-2018 14:19:49 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: reiler

Date: 17-Jan-2018 14:19:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.345	9.345	0.000	99	181075	25.0	
* 2 Chlorobenzene-d5	82	11.752	11.753	-0.001	86	396566	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	95	411559	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	272534	27.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	98	157078	28.2	
\$ 5 Toluene-d8 (Surr)	98	10.578	10.579	-0.001	93	971335	26.3	
\$ 6 4-Bromofluorobenzene (Surr	174	12.701	12.701	0.000	96	321652	23.9	
10 Dichlorodifluoromethane	85		4.460				ND	
12 Chloromethane	50		4.887				ND	
13 Vinyl chloride	62	5.100	5.100	0.000	1	6550	0.3594	M
14 Bromomethane	94		5.705				ND	
15 Chloroethane	64	5.835	5.835	0.000	99	382453	34.3	
17 Trichlorofluoromethane	101		6.179				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.748				ND	
22 1,1-Dichloroethene	96		6.808				ND	
23 Acetone	43	6.855	6.843	0.012	97	6376	1.40	
26 Carbon disulfide	76	7.128	7.128	0.000	1	5269	0.0998	M
27 Methyl acetate	43		7.140				ND	
30 Methylene Chloride	84	7.317	7.317	-0.001	1	4237	0.2465	M
32 Methyl tert-butyl ether	73		7.495				ND	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	22	4018	0.2527	
39 1,1-Dichloroethane	63		7.946				ND	
43 2-Butanone (MEK)	43		8.397				ND	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.000	56	18214	1.02	
50 Chloroform	83		8.669				ND	
51 1,1,1-Trichloroethane	97		8.859				ND	
52 Cyclohexane	56		8.907				ND	
55 Carbon tetrachloride	117		9.001				ND	
58 1,2-Dichloroethane	62		9.167				ND	
57 Benzene	78	9.167	9.167	0.000	83	5464	0.0932	
62 Trichloroethene	95	9.642	9.642	0.000	30	2011	0.1235	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		9.784				ND	
65 1,2-Dichloropropane	63		9.832				ND	
68 Dichlorobromomethane	83		10.033				ND	
72 cis-1,3-Dichloropropene	75		10.353				ND	
73 4-Methyl-2-pentanone (MIBK)	43		10.389				ND	
74 Toluene	92	10.626	10.626	0.000	66	14431	0.3797	
77 trans-1,3-Dichloropropene	75		10.768				ND	
79 1,1,2-Trichloroethane	83		10.946				ND	
80 2-Hexanone	43		11.029				ND	
81 Tetrachloroethene	166		11.077				ND	
83 Chlorodibromomethane	129		11.302				ND	
84 Ethylene Dibromide	107		11.444				ND	
87 Chlorobenzene	112		11.776				ND	
88 Ethylbenzene	91		11.788				ND	
90 m-Xylene & p-Xylene	106		11.871				ND	
91 o-Xylene	106		12.215				ND	
92 Styrene	104		12.227				ND	
95 Bromoform	173		12.488				ND	
94 Isopropylbenzene	105		12.488				ND	
97 1,1,2,2-Tetrachloroethane	83		12.761				ND	
111 1,3-Dichlorobenzene	146		13.709				ND	
113 1,4-Dichlorobenzene	146		13.780				ND	
116 1,2-Dichlorobenzene	146		14.196				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.061				ND	
119 1,2,4-Trichlorobenzene	180		16.105				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

C_8260_IS_00105

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00122

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1745.D

Injection Date: 17-Jan-2018 00:08:30

Instrument ID: HP5973C

Operator ID: KN

Lims ID: 480-129995-B-18

Lab Sample ID: 480-129995-18

Worklist Smp#: 10

Client ID: DPT-7

Purge Vol: 5.000 mL

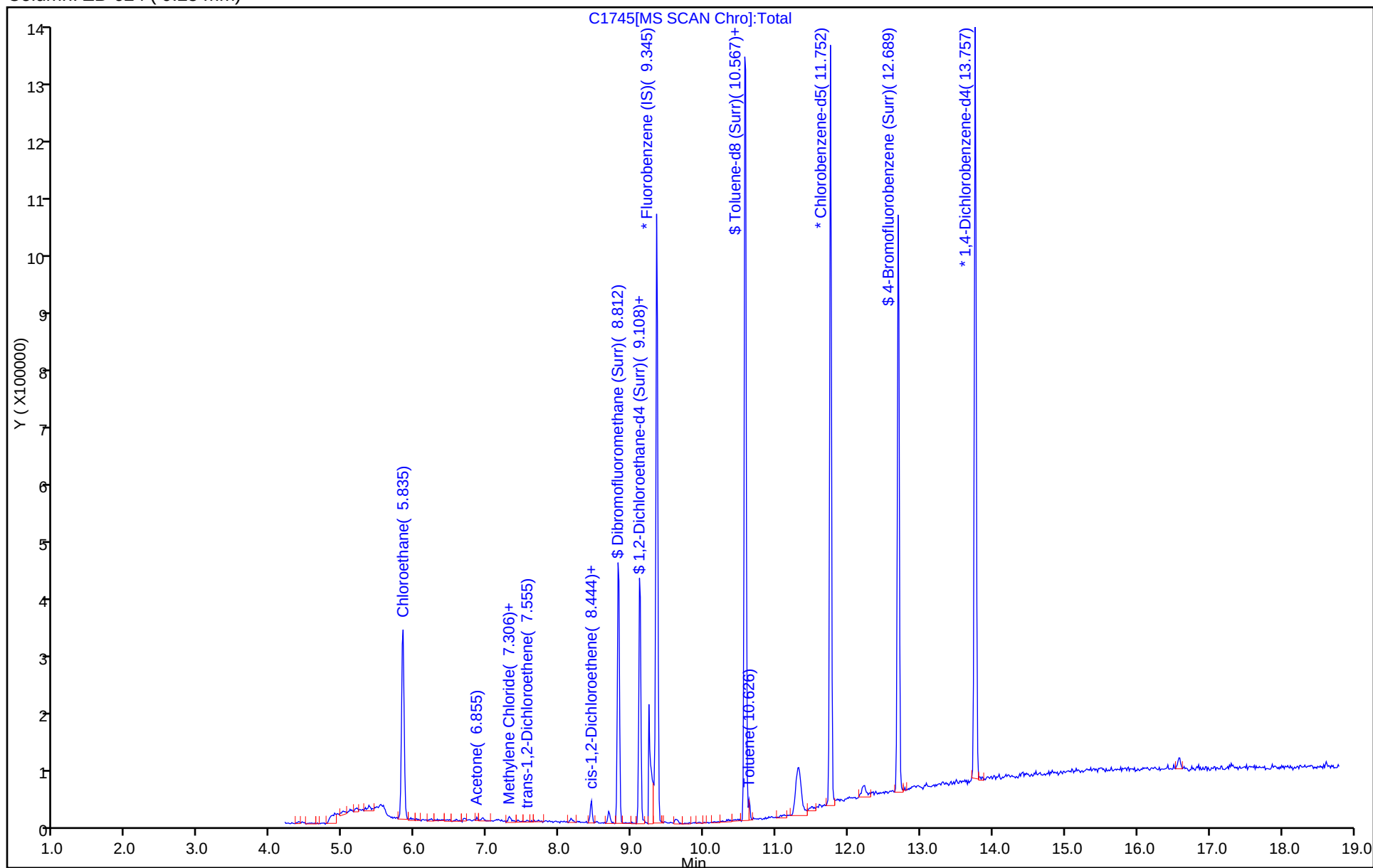
Dil. Factor: 10.0000

ALS Bottle#: 9

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1745.D

Injection Date: 17-Jan-2018 00:08:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-18

Lab Sample ID: 480-129995-18

Client ID: DPT-7

Operator ID: KN

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 5.000 mL

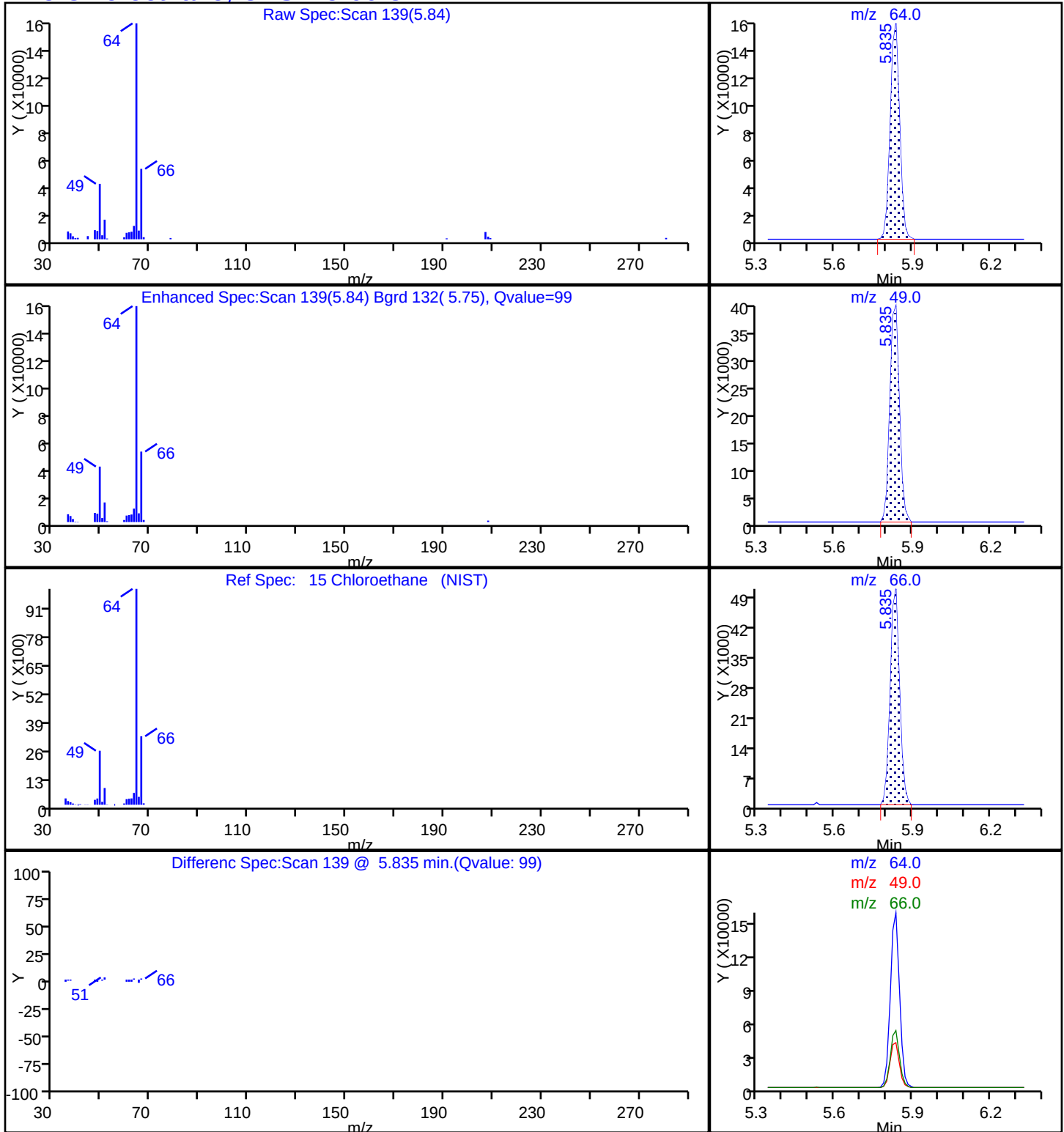
Dil. Factor: 10.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1745.D

Injection Date: 17-Jan-2018 00:08:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-18

Lab Sample ID: 480-129995-18

Client ID: DPT-7

Operator ID: KN

ALS Bottle#: 9

Worklist Smp#: 10

Purge Vol: 5.000 mL

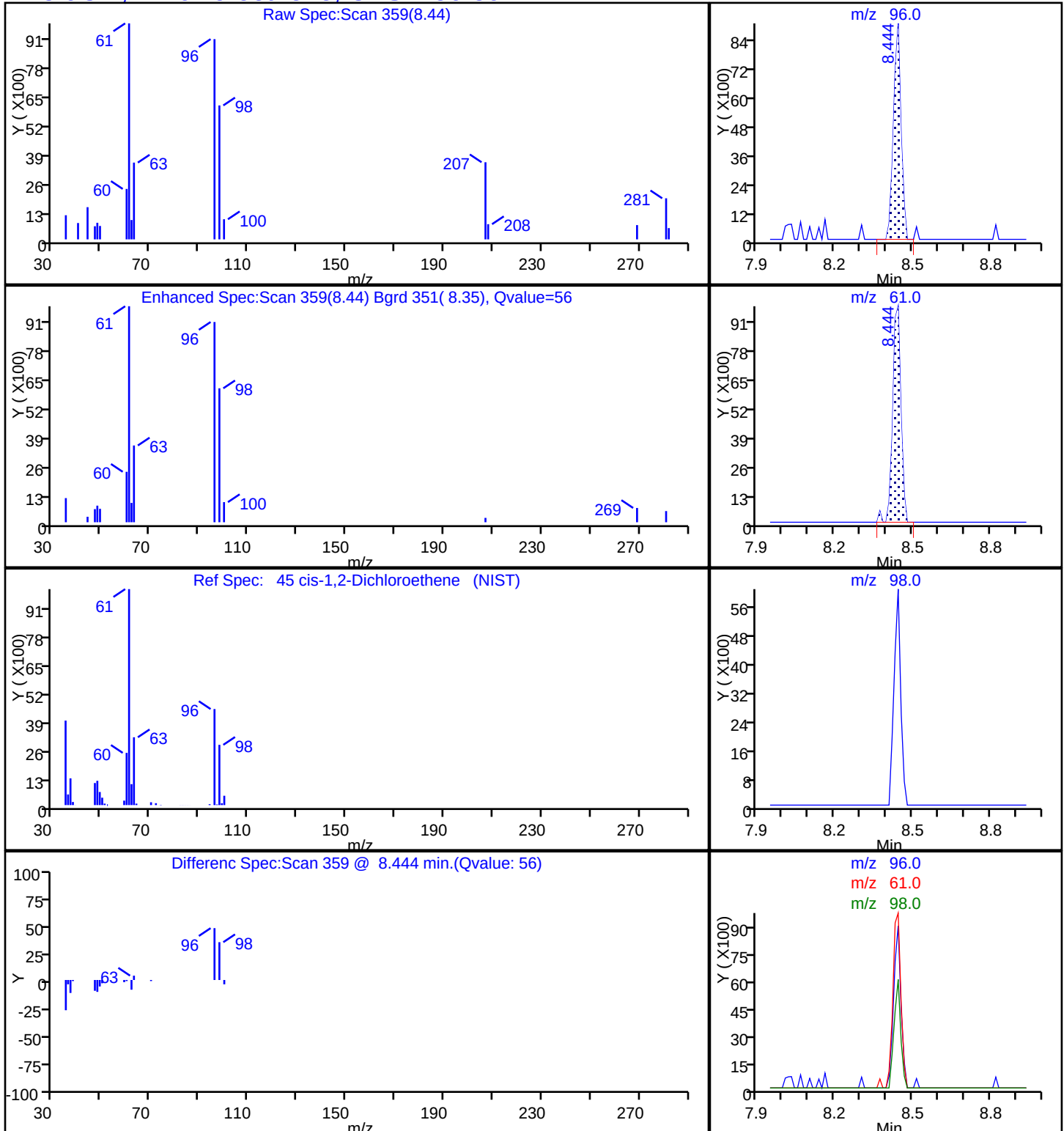
Dil. Factor: 10.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

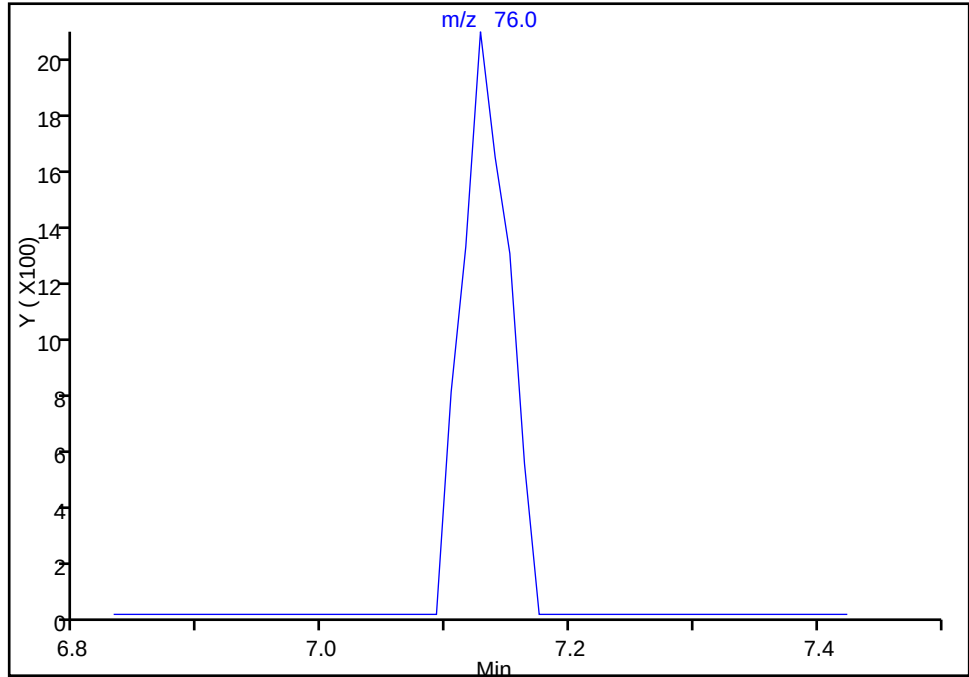
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Injection Date:	17-Jan-2018 00:08:30	Instrument ID:	HP5973C		
Lims ID:	480-129995-B-18	Lab Sample ID:	480-129995-18		
Client ID:	DPT-7				
Operator ID:	KN	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0

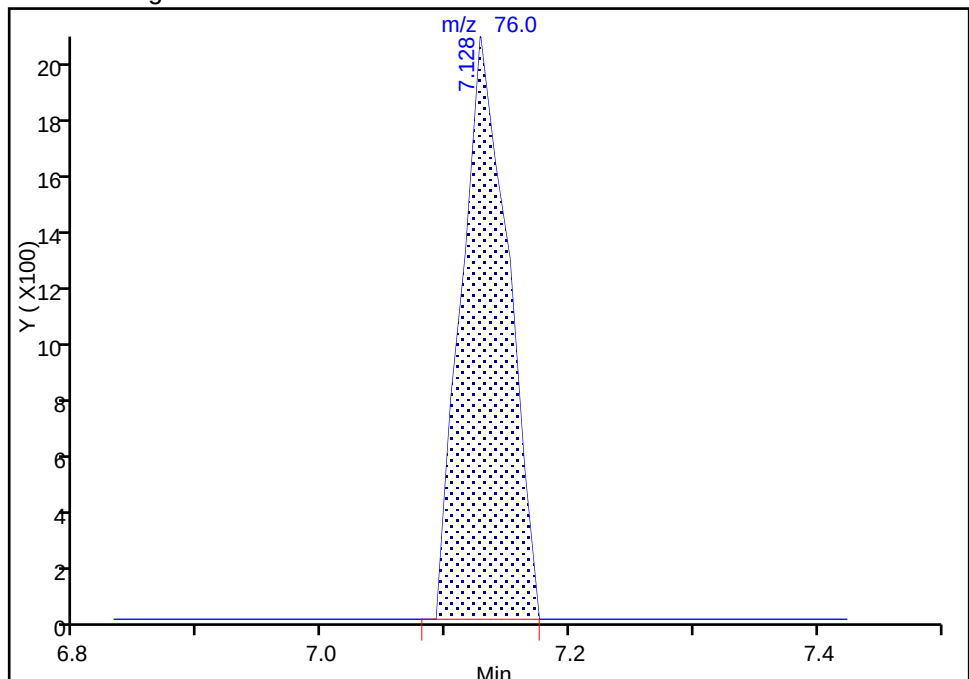
Signal: 1

Not Detected
Expected RT: 7.13

Processing Integration Results

RT: 7.13
Area: 5269
Amount: 0.099760
Amount Units: ug/L

Manual Integration Results

Reviewer: reiler, 17-Jan-2018 14:18:39
Audit Action: Assigned Compound ID

Audit Reason: Isomers

TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1745.D				
Injection Date:	17-Jan-2018 00:08:30	Instrument ID:	HP5973C		
Lims ID:	480-129995-B-18	Lab Sample ID:	480-129995-18		
Client ID:	DPT-7				
Operator ID:	KN	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

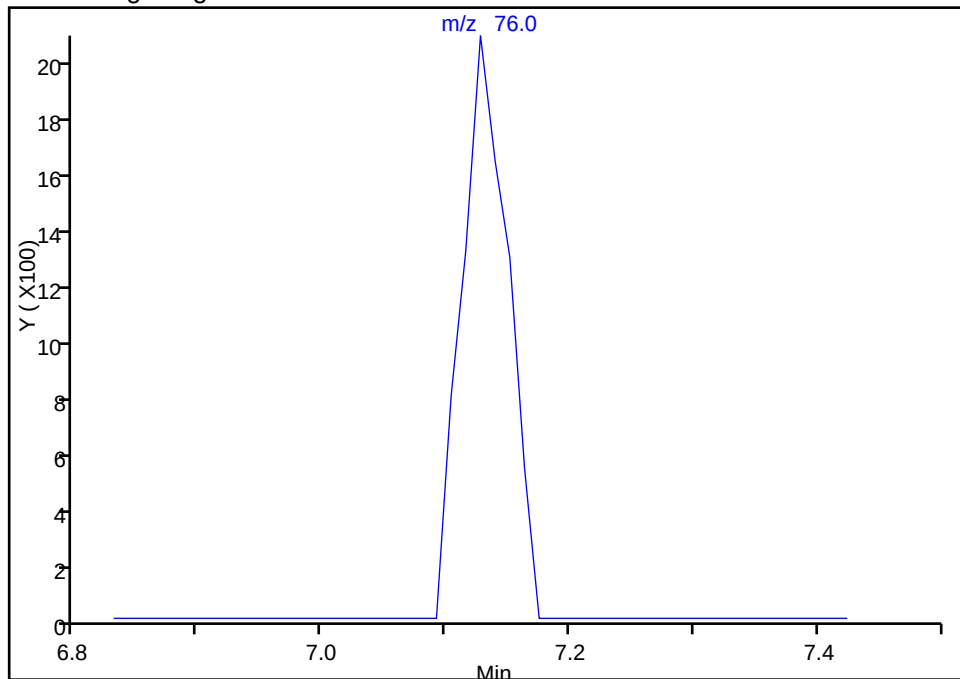
26 Carbon disulfide, CAS: 75-15-0

Signal: 1

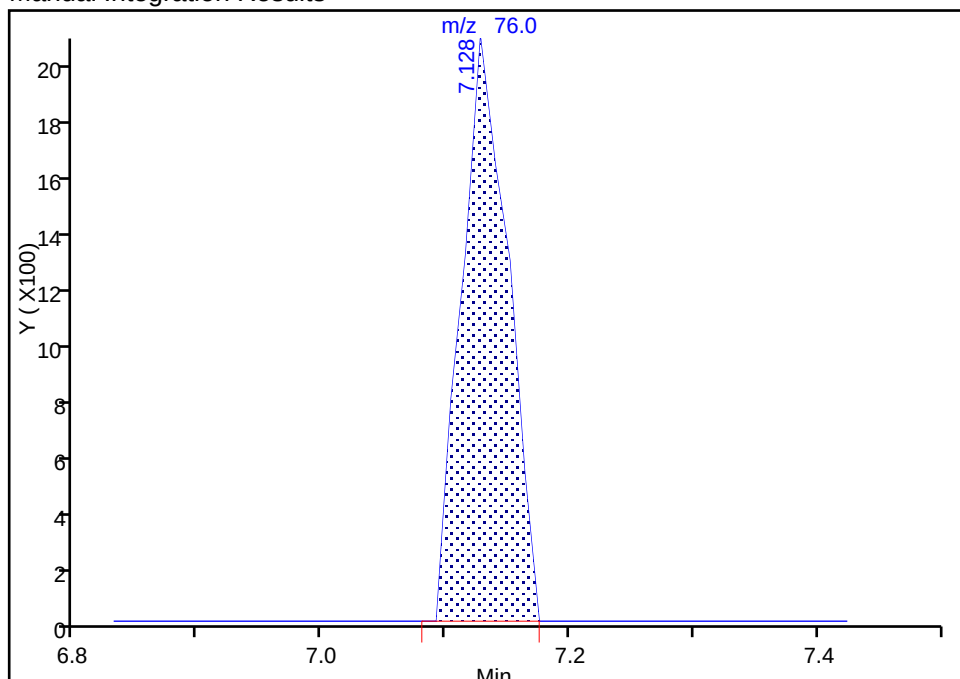
Not Detected

Expected RT: 7.13

Processing Integration Results



Manual Integration Results



RT: 7.13
Area: 5269
Amount: 0.099760
Amount Units: ug/L

Reviewer: reiler, 17-Jan-2018 14:18:41

Audit Action: Manually Integrated

Audit Reason: Isomers

TestAmerica Buffalo

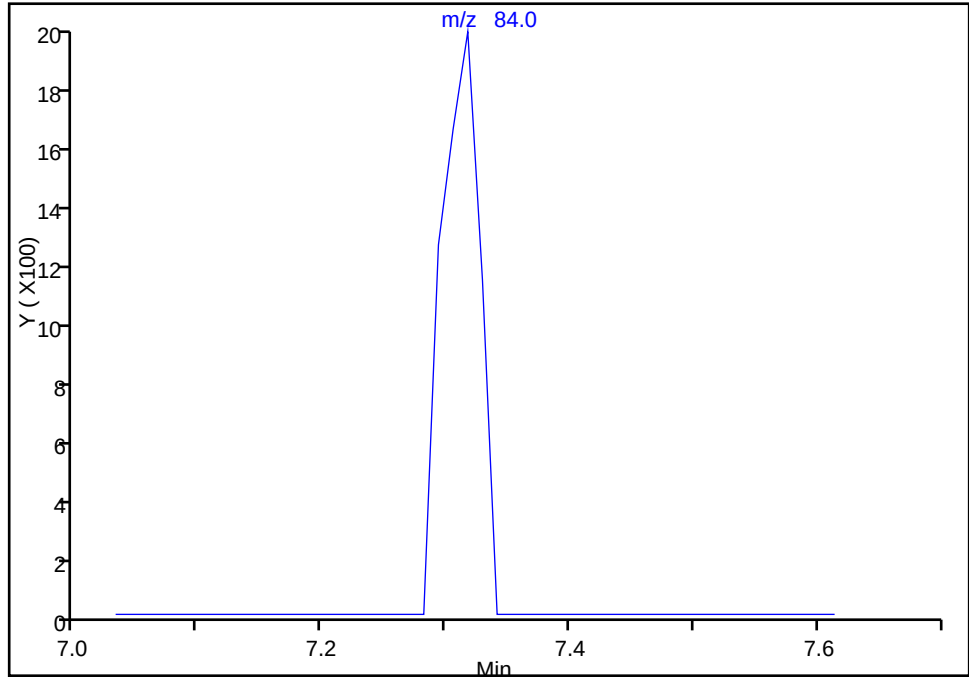
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Injection Date:	17-Jan-2018 00:08:30	Instrument ID:	HP5973C		
Lims ID:	480-129995-B-18	Lab Sample ID:	480-129995-18		
Client ID:	DPT-7				
Operator ID:	KN	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

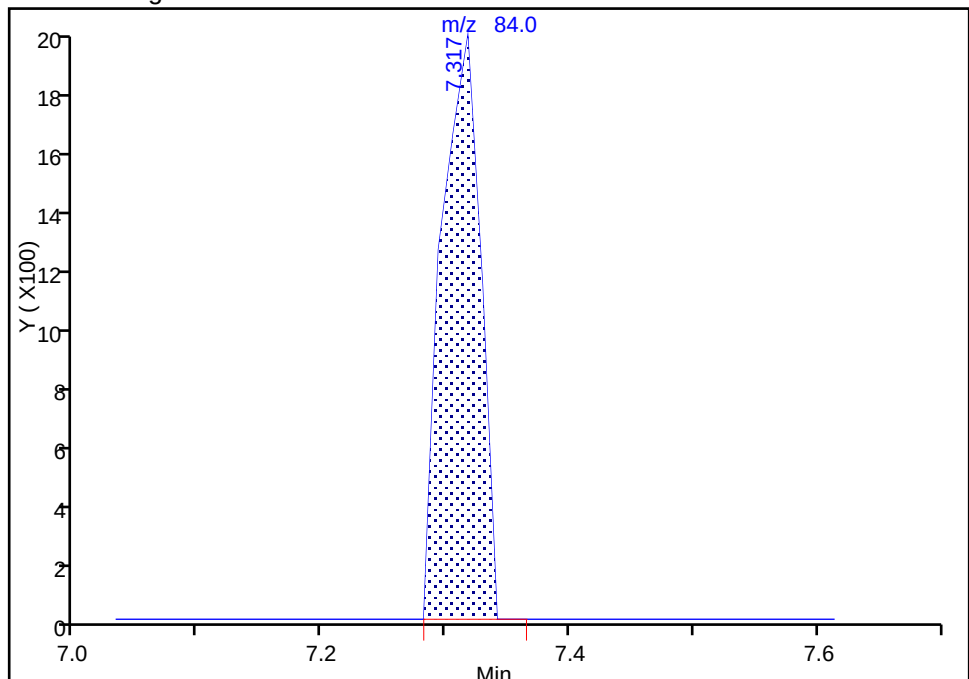
Signal: 1

Not Detected
Expected RT: 7.32

Processing Integration Results

RT: 7.32
Area: 4237
Amount: 0.246464
Amount Units: ug/L

Manual Integration Results

Reviewer: reiler, 17-Jan-2018 14:18:44
Audit Action: Assigned Compound ID

Audit Reason: Isomers

TestAmerica Buffalo

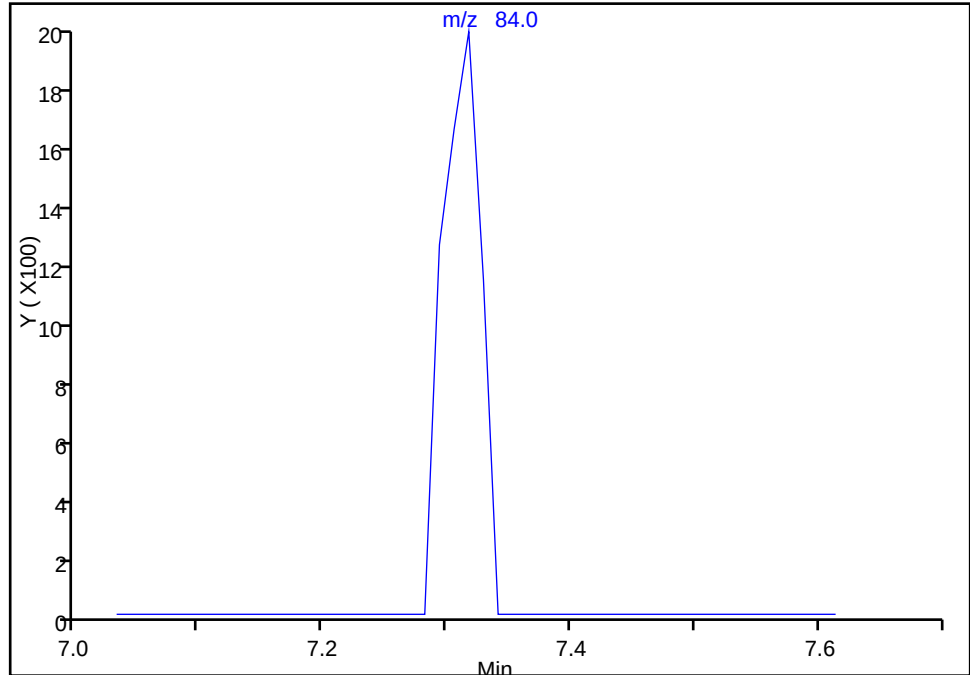
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1745.D				
Injection Date:	17-Jan-2018 00:08:30	Instrument ID:	HP5973C		
Lims ID:	480-129995-B-18	Lab Sample ID:	480-129995-18		
Client ID:	DPT-7				
Operator ID:	KN	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

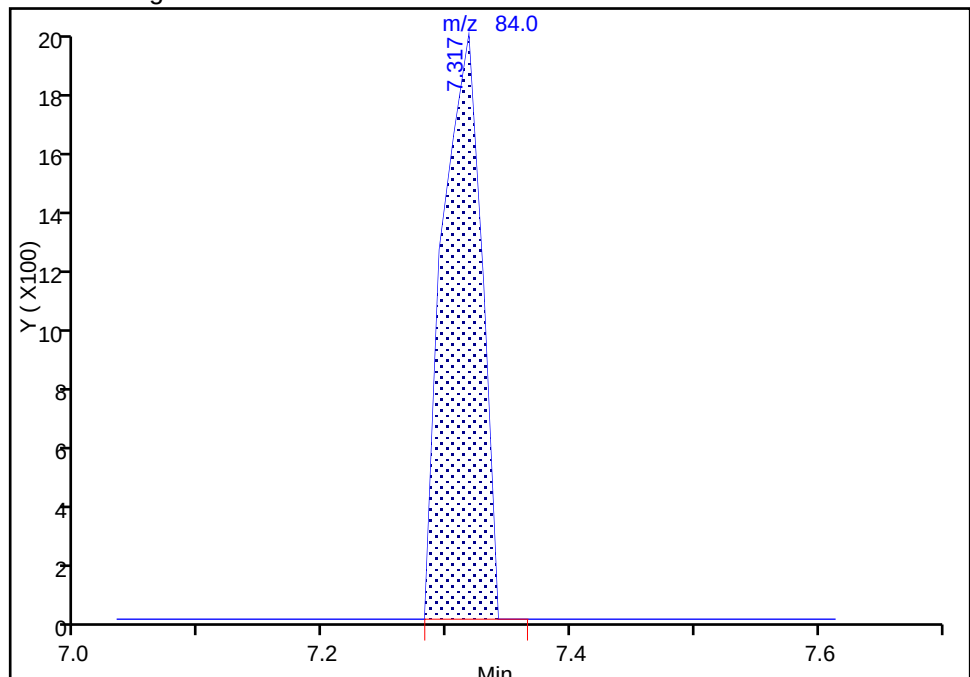
Signal: 1

Not Detected
Expected RT: 7.32

Processing Integration Results



Manual Integration Results

RT: 7.32
Area: 4237
Amount: 0.246464
Amount Units: ug/L

Reviewer: reiler, 17-Jan-2018 14:18:48

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

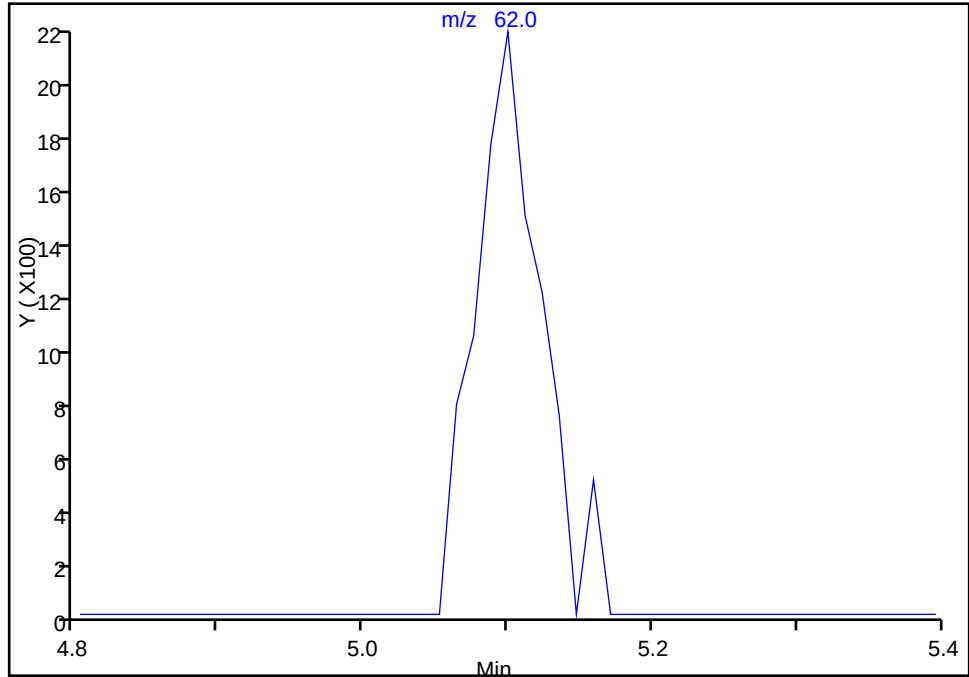
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Injection Date:	17-Jan-2018 00:08:30	Instrument ID:	HP5973C		
Lims ID:	480-129995-B-18	Lab Sample ID:	480-129995-18		
Client ID:	DPT-7				
Operator ID:	KN	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

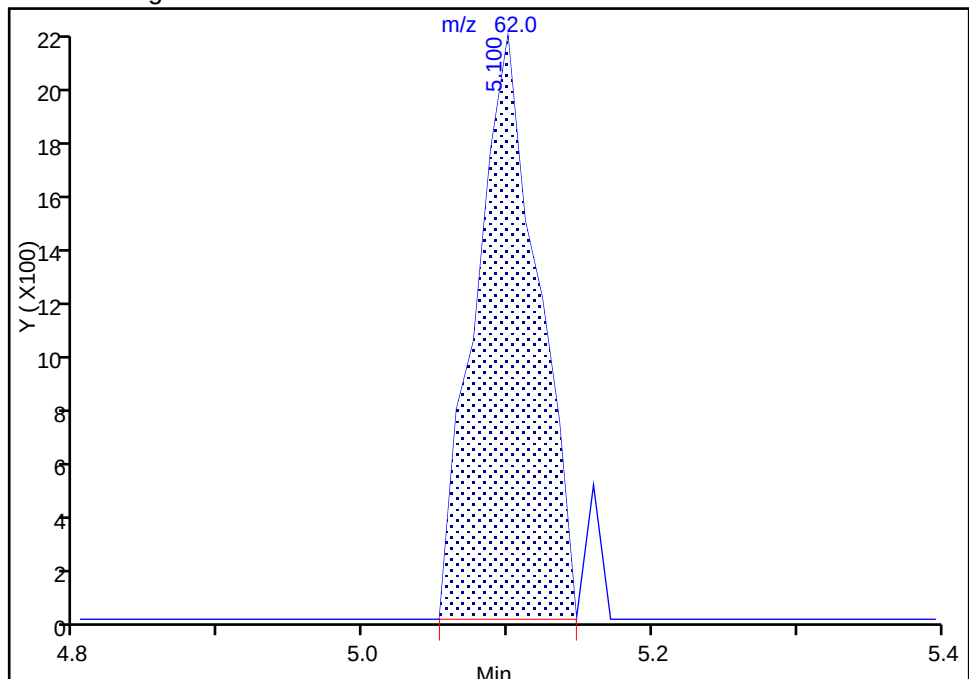
Signal: 1

Not Detected
Expected RT: 5.10

Processing Integration Results



Manual Integration Results



RT: 5.10
Area: 6550
Amount: 0.359396
Amount Units: ug/L

TestAmerica Buffalo

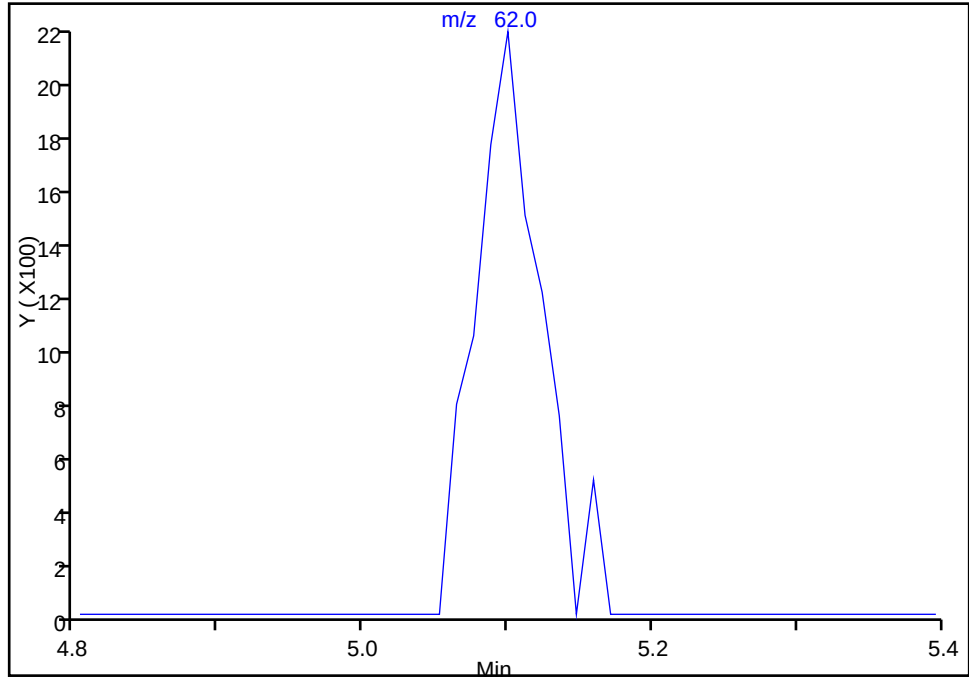
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1745.D				
Injection Date:	17-Jan-2018 00:08:30	Instrument ID:	HP5973C		
Lims ID:	480-129995-B-18	Lab Sample ID:	480-129995-18		
Client ID:	DPT-7				
Operator ID:	KN	ALS Bottle#:	9	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	10.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

13 Vinyl chloride, CAS: 75-01-4

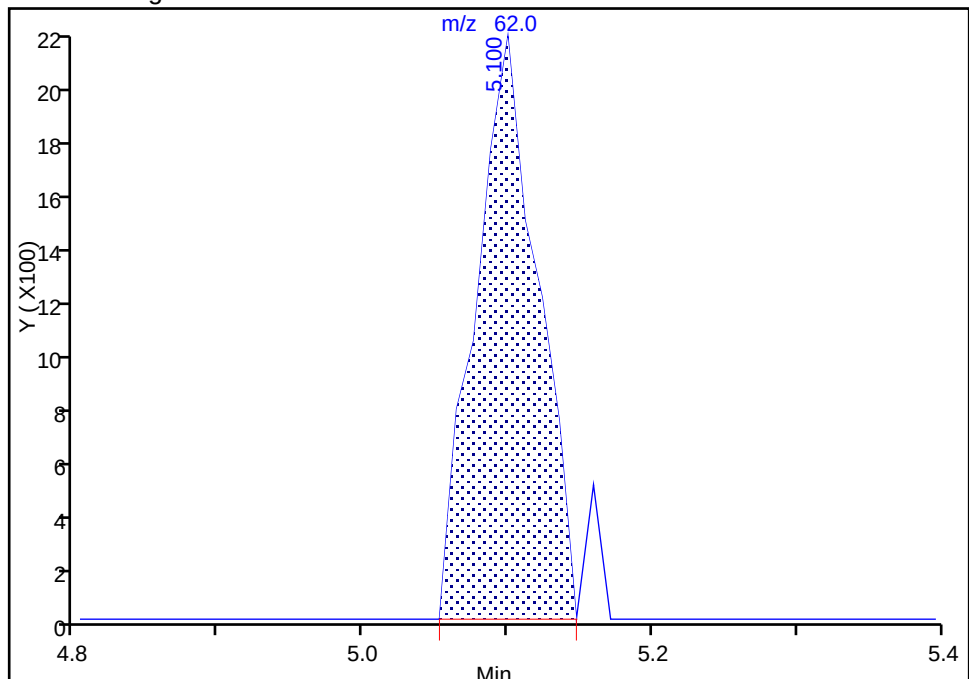
Signal: 1

Not Detected
Expected RT: 5.10

Processing Integration Results



Manual Integration Results

RT: 5.10
Area: 6550
Amount: 0.359396
Amount Units: ug/L

Reviewer: reiler, 17-Jan-2018 14:18:31

Audit Action: Manually Integrated

Audit Reason: Isomers

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>DPT-8</u>	Lab Sample ID: <u>480-129995-19</u>
Matrix: <u>Water</u>	Lab File ID: <u>C1746.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/10/2018 11:40</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/17/2018 00:33</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>20</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>396044</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		20	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	4.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2
79-00-5	1,1,2-Trichloroethane	ND		20	4.6
75-34-3	1,1-Dichloroethane	50		20	7.6
75-35-4	1,1-Dichloroethene	8.2	J	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
106-93-4	1,2-Dibromoethane	ND		20	15
95-50-1	1,2-Dichlorobenzene	ND		20	16
107-06-2	1,2-Dichloroethane	ND		20	4.2
78-87-5	1,2-Dichloropropane	ND		20	14
541-73-1	1,3-Dichlorobenzene	ND		20	16
106-46-7	1,4-Dichlorobenzene	ND		20	17
78-93-3	2-Butanone (MEK)	ND		200	26
591-78-6	2-Hexanone	ND		100	25
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		100	42
67-64-1	Acetone	ND		200	60
71-43-2	Benzene	ND		20	8.2
75-27-4	Bromodichloromethane	ND		20	7.8
75-25-2	Bromoform	ND		20	5.2
74-83-9	Bromomethane	ND		20	14
75-15-0	Carbon disulfide	ND		20	3.8
56-23-5	Carbon tetrachloride	ND		20	5.4
108-90-7	Chlorobenzene	ND		20	15
75-00-3	Chloroethane	22		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	540		20	16
10061-01-5	cis-1,3-Dichloropropene	ND		20	7.2
110-82-7	Cyclohexane	ND		20	3.6
124-48-1	Dibromochloromethane	ND		20	6.4
75-71-8	Dichlorodifluoromethane	ND		20	14
100-41-4	Ethylbenzene	ND		20	15
98-82-8	Isopropylbenzene	ND		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: DPT-8 Lab Sample ID: 480-129995-19
 Matrix: Water Lab File ID: C1746.D
 Analysis Method: 8260C Date Collected: 01/10/2018 11:40
 Sample wt/vol: 5 (mL) Date Analyzed: 01/17/2018 00:33
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 396044 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	11	J	20	9.2
75-69-4	Trichlorofluoromethane	ND		20	18
75-01-4	Vinyl chloride	410		20	18
1330-20-7	Xylenes, Total	ND		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
2037-26-5	Toluene-d8 (Surr)	104		80-120
1868-53-7	Dibromofluoromethane (Surr)	110		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1746.D
 Lims ID: 480-129995-B-19
 Client ID: DPT-8
 Sample Type: Client
 Inject. Date: 17-Jan-2018 00:33:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 20.0000
 Sample Info: 480-129995-b-19
 Misc. Info.: 480-0068612-011
 Operator ID: KN Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jan-2018 14:27:49 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: reiler

Date: 17-Jan-2018 14:28:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.345	9.345	0.000	99	179004	25.0	
* 2 Chlorobenzene-d5	82	11.753	11.753	0.000	85	398983	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	95	416334	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	272990	27.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	97	157048	28.5	
\$ 5 Toluene-d8 (Surr)	98	10.579	10.579	0.000	93	970814	26.1	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.701	-0.012	91	326174	24.1	
10 Dichlorodifluoromethane	85		4.460				ND	
12 Chloromethane	50		4.887				ND	
13 Vinyl chloride	62	5.100	5.100	0.000	98	372671	20.7	
14 Bromomethane	94		5.705				ND	
15 Chloroethane	64	5.835	5.835	0.000	97	12148	1.10	
17 Trichlorofluoromethane	101		6.179				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.748				ND	
22 1,1-Dichloroethene	96	6.808	6.808	0.000	31	5650	0.4080	M
23 Acetone	43		6.843				ND	
26 Carbon disulfide	76	7.128	7.128	0.000	1	5293	0.1014	M
27 Methyl acetate	43		7.140				ND	
30 Methylene Chloride	84	7.318	7.317	0.000	1	4043	0.2379	M
32 Methyl tert-butyl ether	73		7.495				ND	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	54	6598	0.4197	M
39 1,1-Dichloroethane	63	7.946	7.946	0.000	96	62607	2.50	
43 2-Butanone (MEK)	43		8.397				ND	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.000	79	474992	26.9	
50 Chloroform	83		8.669				ND	
51 1,1,1-Trichloroethane	97	8.859	8.859	0.000	95	15674	0.6433	
52 Cyclohexane	56		8.907				ND	
55 Carbon tetrachloride	117		9.001				ND	
58 1,2-Dichloroethane	62		9.167				ND	
57 Benzene	78	9.167	9.156	0.000	81	5787	0.0998	M
62 Trichloroethene	95	9.642	9.642	0.000	95	9063	0.5631	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		9.784				ND	
65 1,2-Dichloropropane	63		9.832				ND	
68 Dichlorobromomethane	83		10.033				ND	
72 cis-1,3-Dichloropropene	75		10.353				ND	
73 4-Methyl-2-pentanone (MIBK)	43		10.389				ND	
74 Toluene	92		10.626				ND	
77 trans-1,3-Dichloropropene	75		10.768				ND	
79 1,1,2-Trichloroethane	83		10.946				ND	
80 2-Hexanone	43		11.029				ND	
81 Tetrachloroethene	166		11.077				ND	
83 Chlorodibromomethane	129		11.302				ND	M
84 Ethylene Dibromide	107		11.444				ND	
87 Chlorobenzene	112		11.776				ND	
88 Ethylbenzene	91		11.788				ND	
90 m-Xylene & p-Xylene	106		11.871				ND	
91 o-Xylene	106		12.215				ND	
92 Styrene	104		12.227				ND	
95 Bromoform	173		12.488				ND	
94 Isopropylbenzene	105		12.488				ND	
97 1,1,2,2-Tetrachloroethane	83		12.761				ND	
111 1,3-Dichlorobenzene	146		13.709				ND	
113 1,4-Dichlorobenzene	146		13.780				ND	
116 1,2-Dichlorobenzene	146		14.196				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.061				ND	
119 1,2,4-Trichlorobenzene	180		16.105				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

C_8260_IS_00105

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00122

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1746.D

Injection Date: 17-Jan-2018 00:33:30

Instrument ID: HP5973C

Operator ID: KN

Lims ID: 480-129995-B-19

Lab Sample ID: 480-129995-19

Worklist Smp#: 11

Client ID: DPT-8

Purge Vol: 5.000 mL

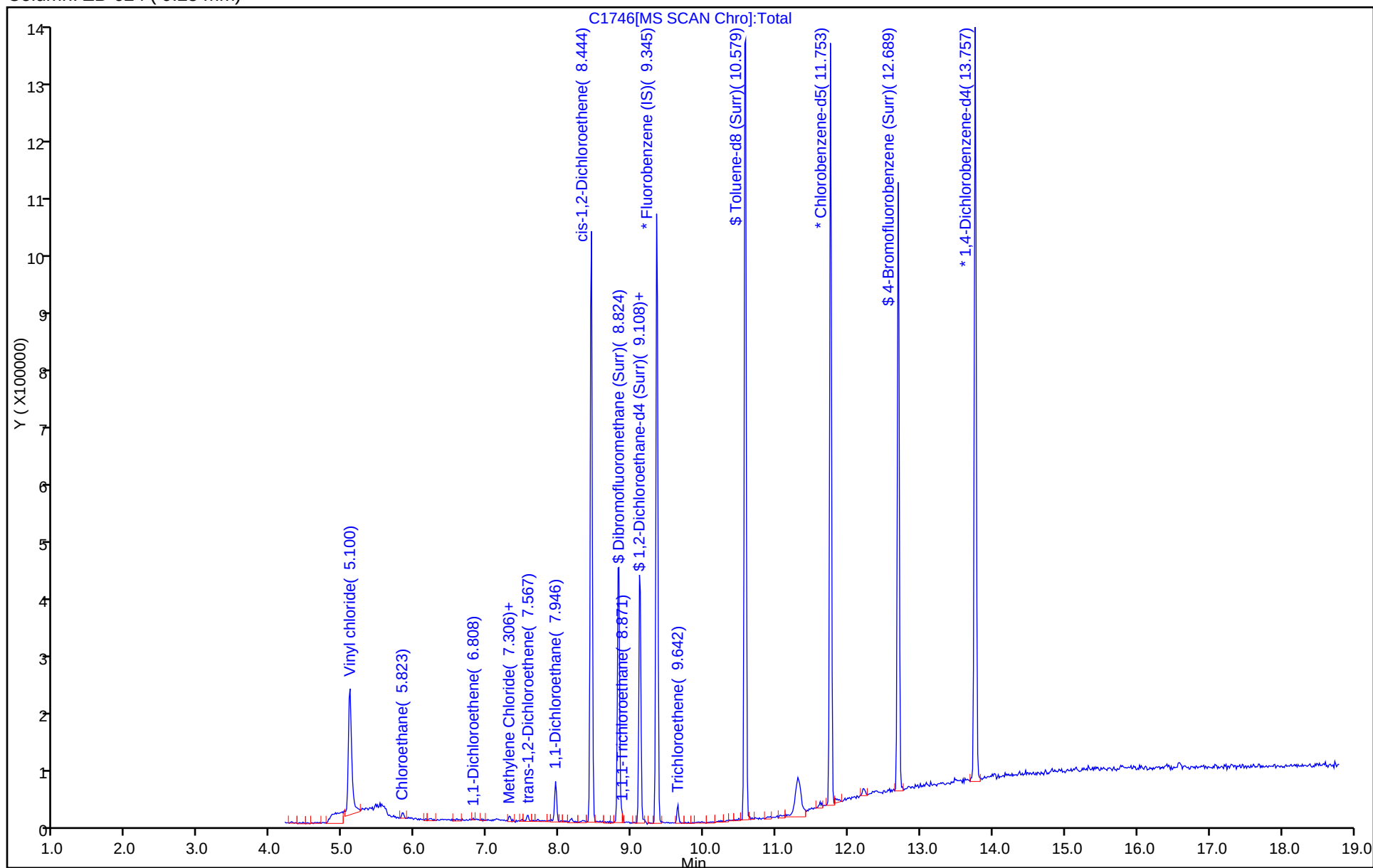
Dil. Factor: 20.0000

ALS Bottle#: 10

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1746.D

Injection Date: 17-Jan-2018 00:33:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-19

Lab Sample ID: 480-129995-19

Client ID: DPT-8

Operator ID: KN

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 5.000 mL

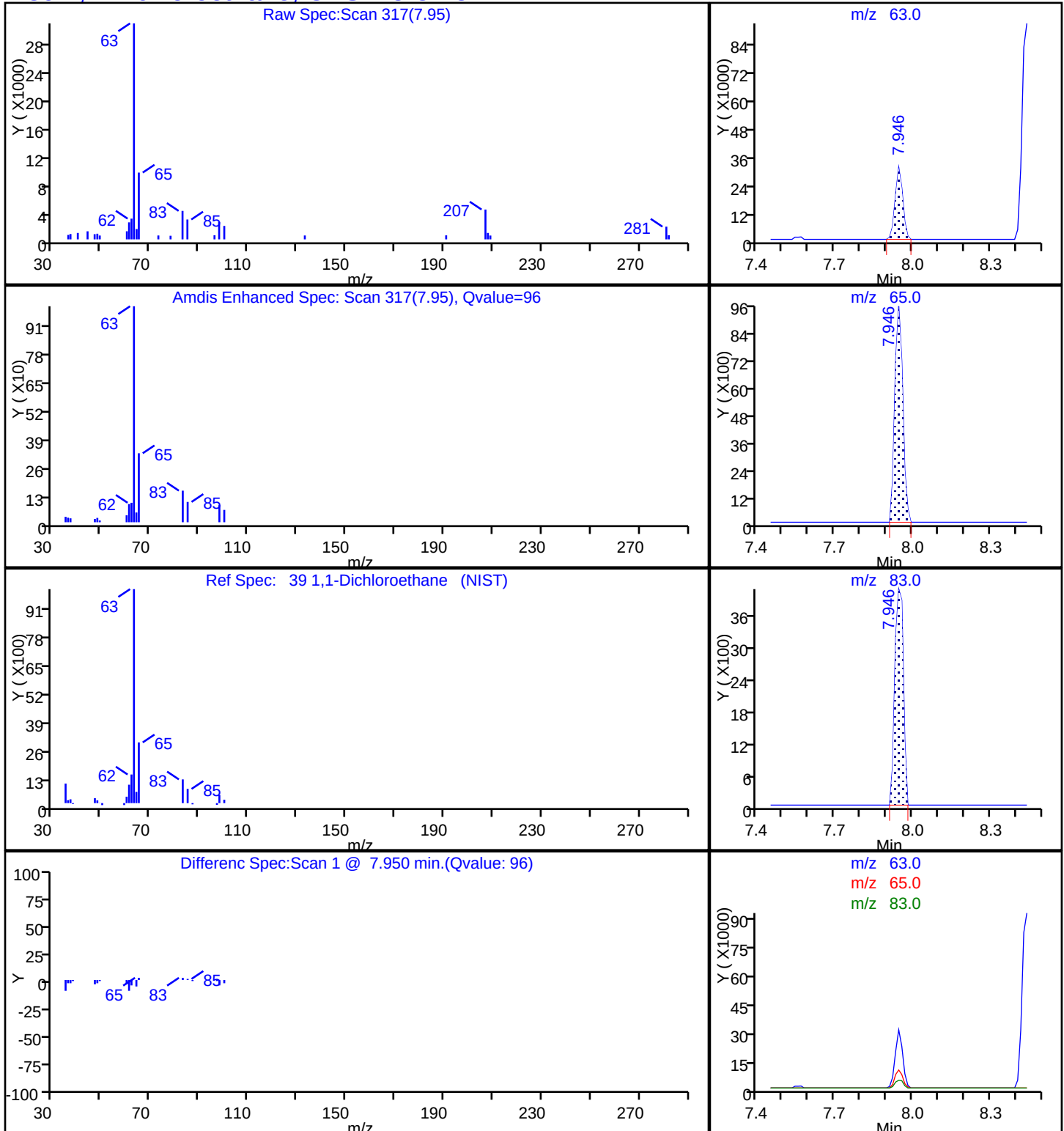
Dil. Factor: 20.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1746.D

Injection Date: 17-Jan-2018 00:33:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-19

Lab Sample ID: 480-129995-19

Client ID: DPT-8

Operator ID: KN

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 5.000 mL

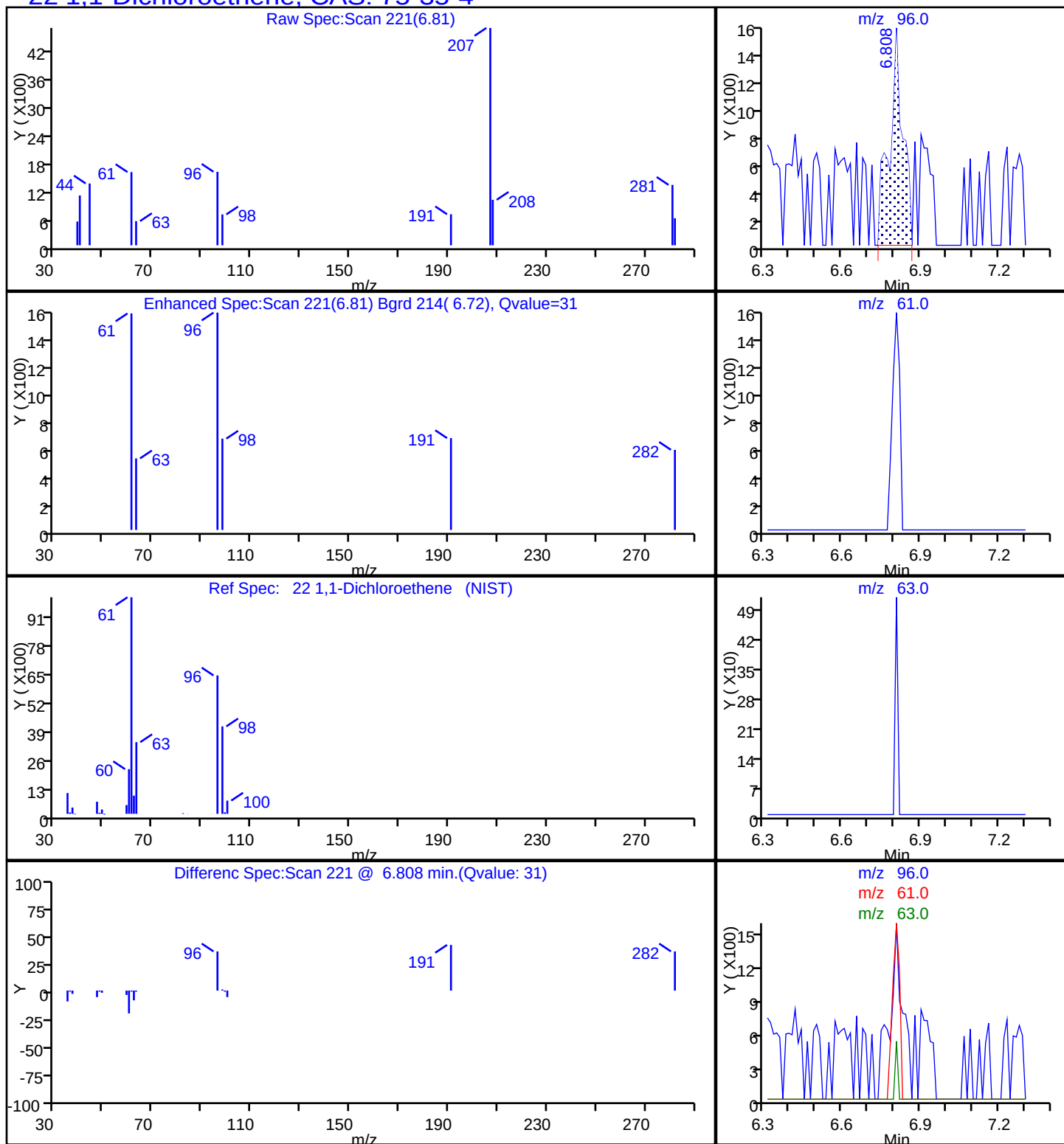
Dil. Factor: 20.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1746.D

Injection Date: 17-Jan-2018 00:33:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-19

Lab Sample ID: 480-129995-19

Client ID: DPT-8

Operator ID: KN

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 5.000 mL

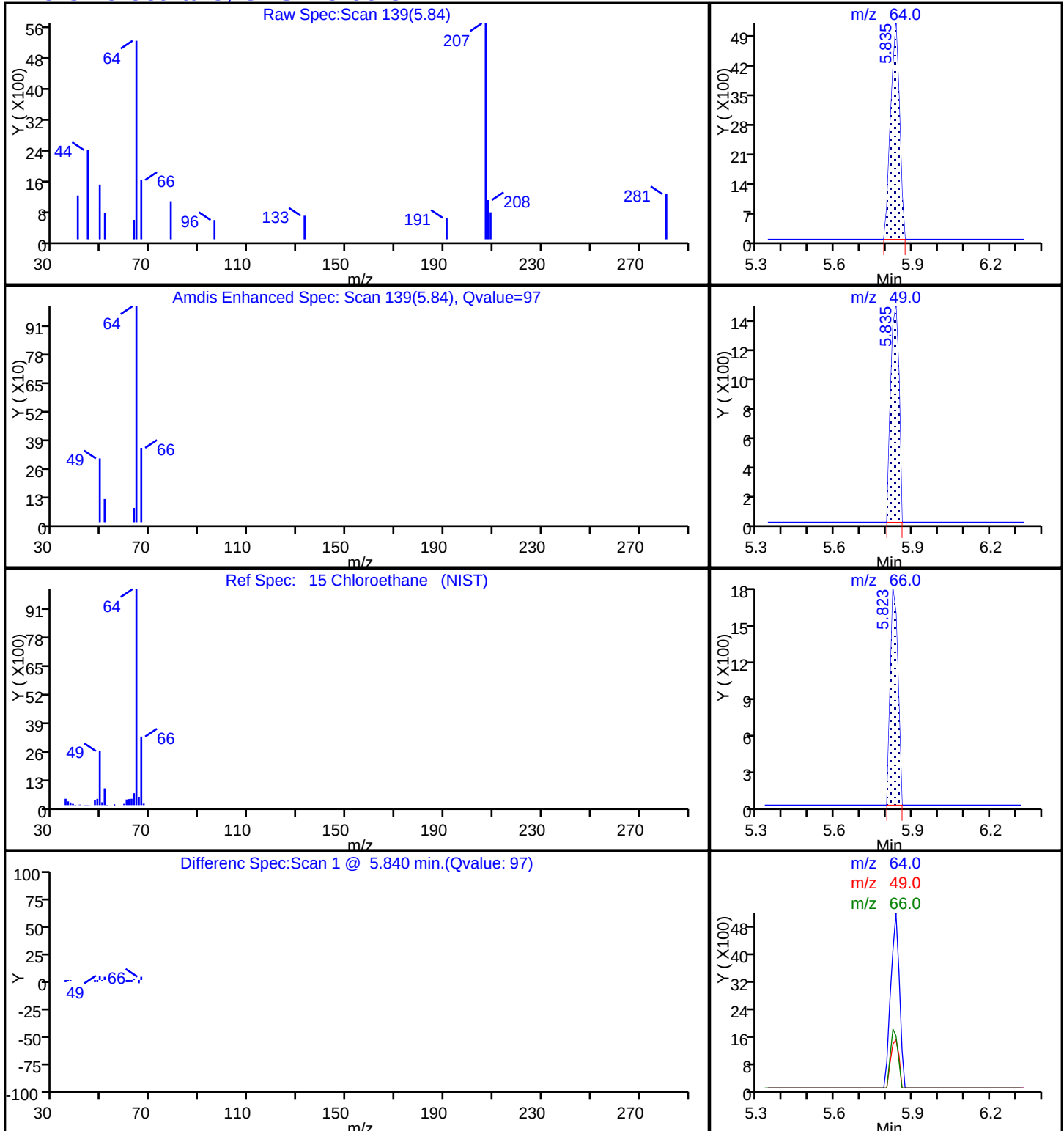
Dil. Factor: 20.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180116-68612.b\\C1746.D

Injection Date: 17-Jan-2018 00:33:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-19

Lab Sample ID: 480-129995-19

Client ID: DPT-8

Operator ID: KN

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 5.000 mL

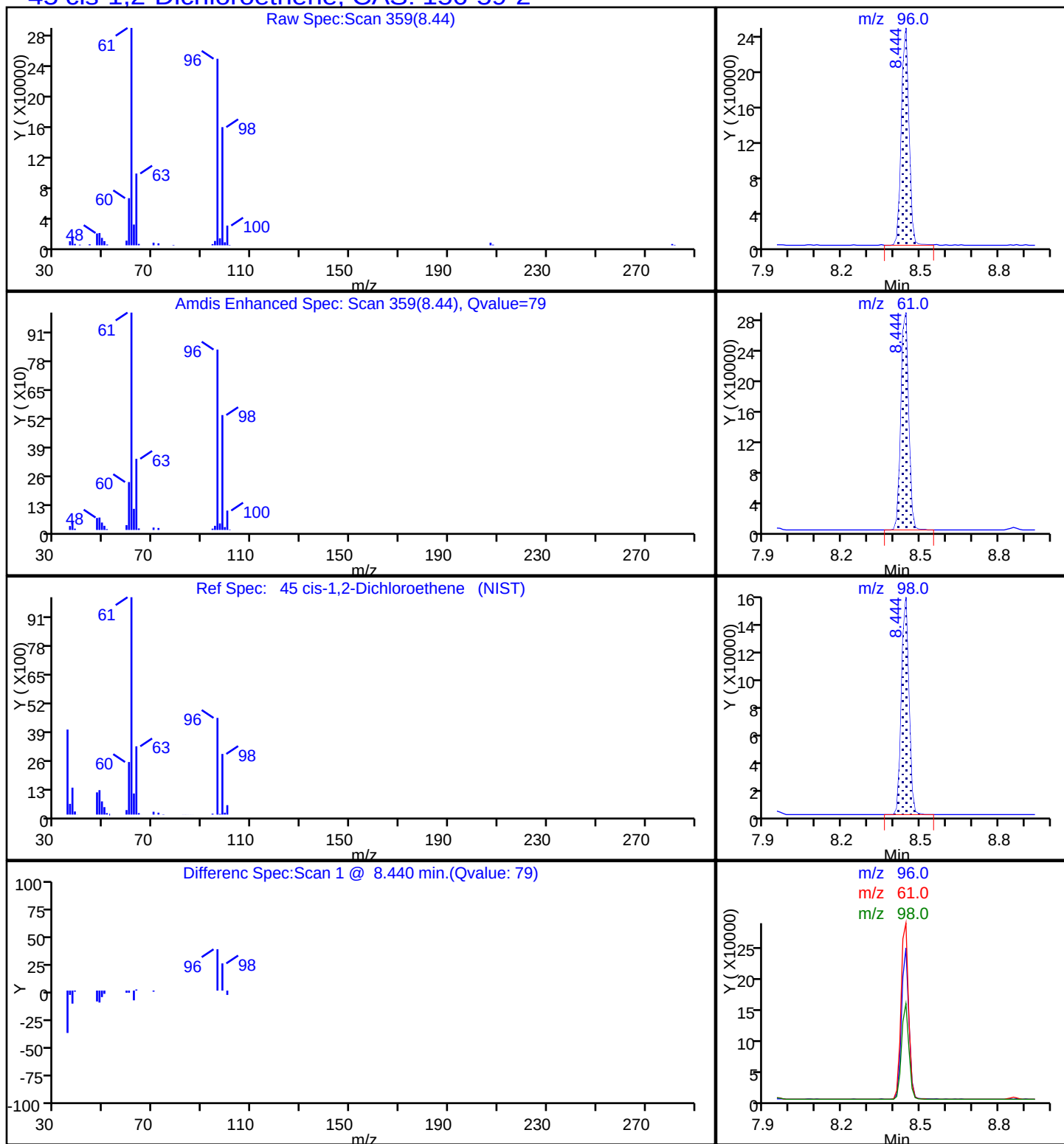
Dil. Factor: 20.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1746.D

Injection Date: 17-Jan-2018 00:33:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-19

Lab Sample ID: 480-129995-19

Client ID: DPT-8

Operator ID: KN

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 5.000 mL

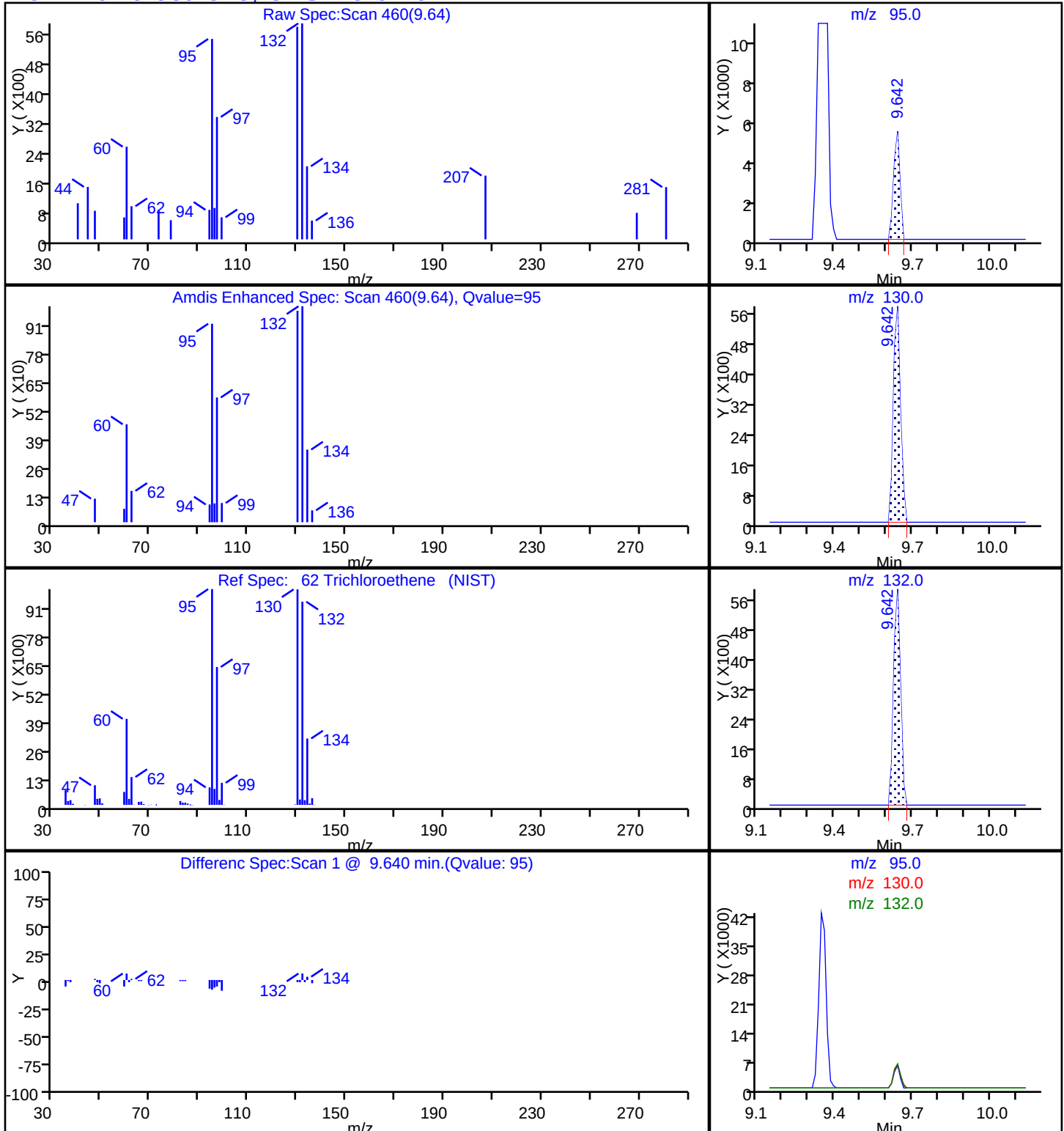
Dil. Factor: 20.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1746.D

Injection Date: 17-Jan-2018 00:33:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-19

Lab Sample ID: 480-129995-19

Client ID: DPT-8

Operator ID: KN

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 5.000 mL

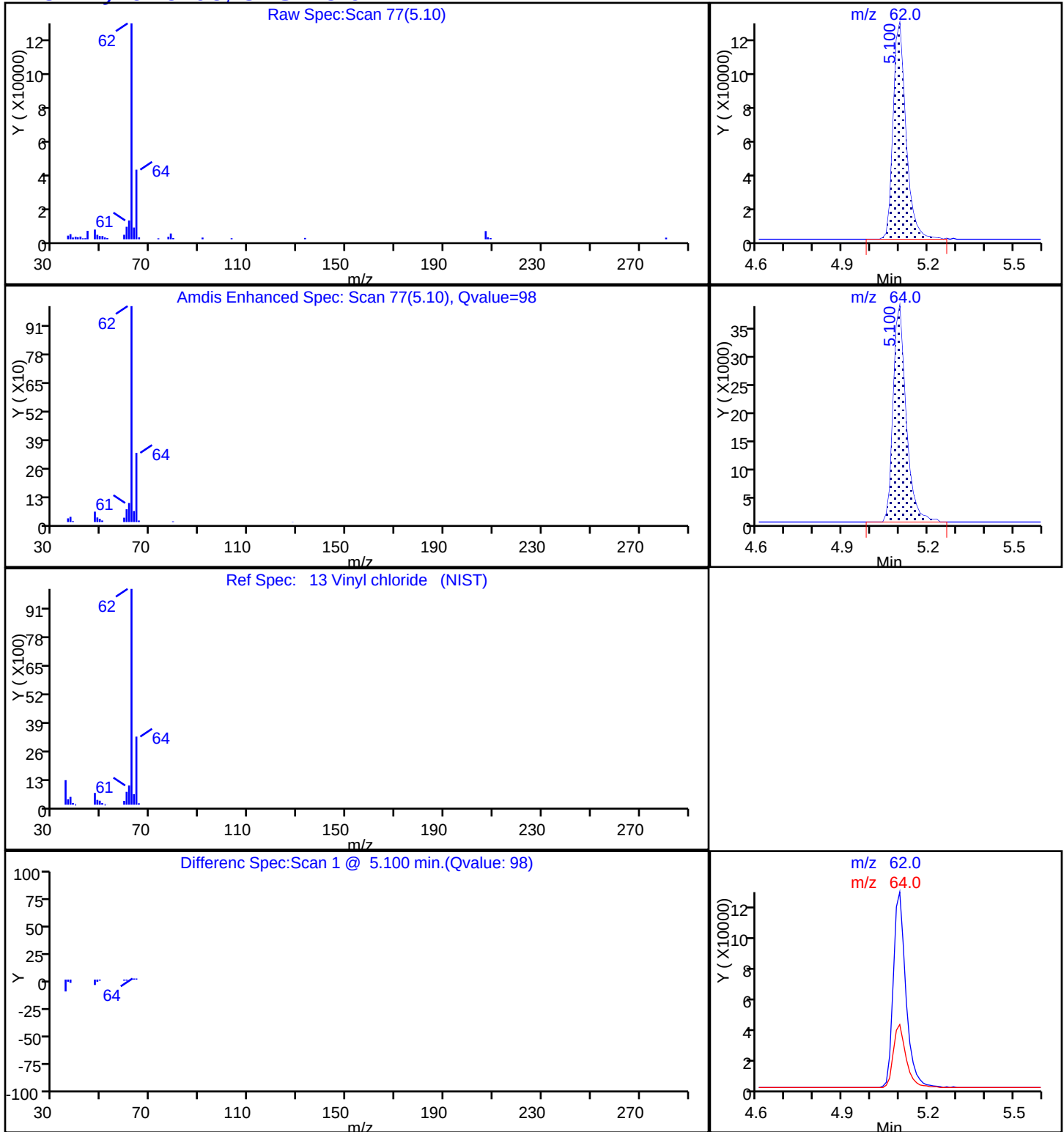
Dil. Factor: 20.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

TestAmerica Buffalo

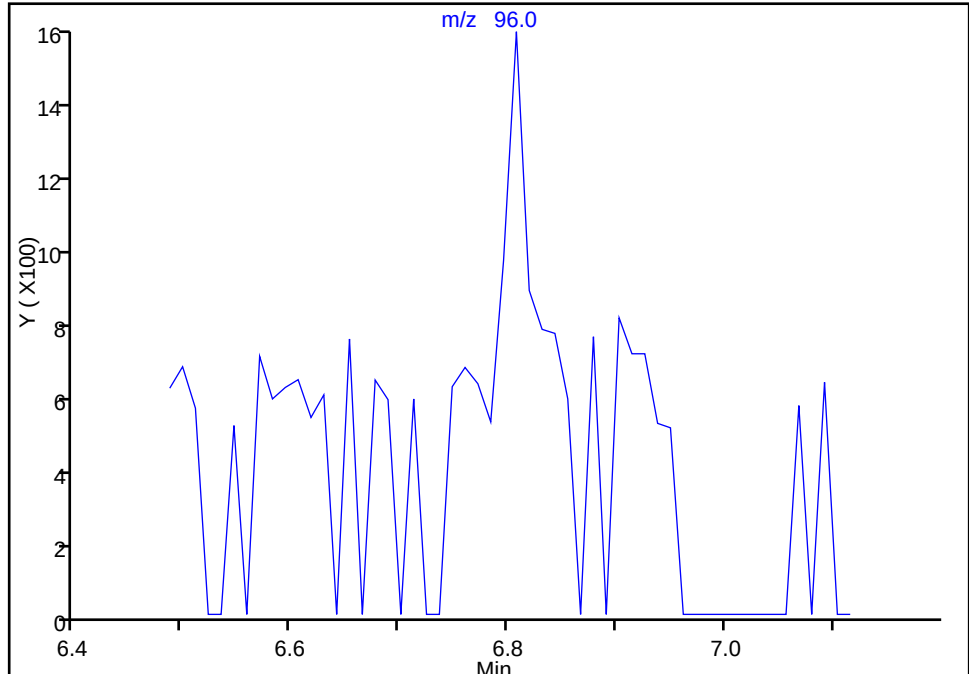
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Injection Date:	17-Jan-2018 00:33:30	Instrument ID:	HP5973C		
Lims ID:	480-129995-B-19	Lab Sample ID:	480-129995-19		
Client ID:	DPT-8				
Operator ID:	KN	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN		

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

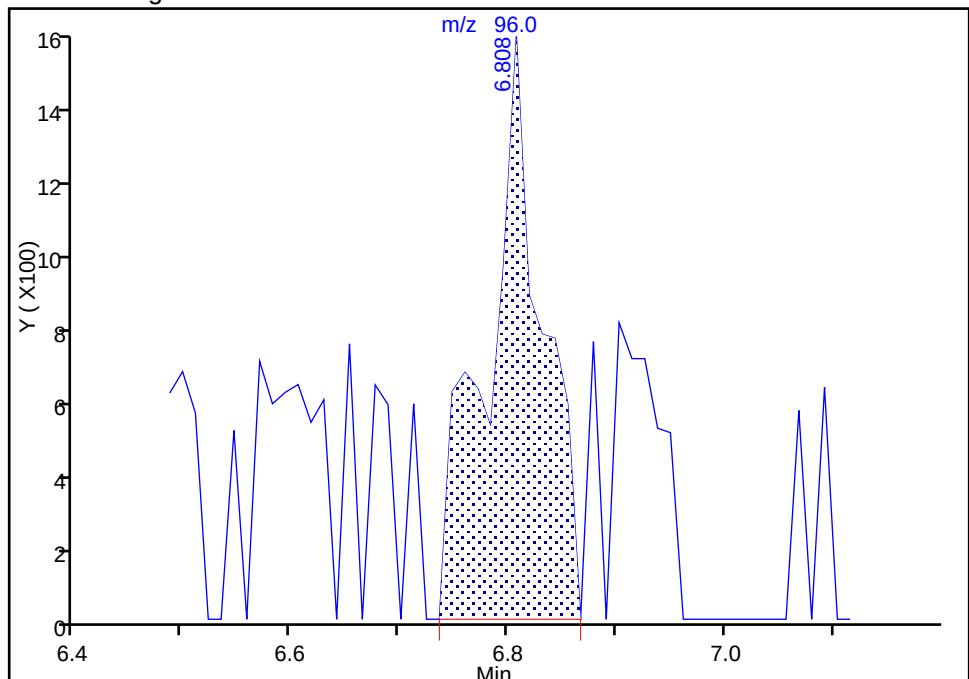
Signal: 1

Not Detected
Expected RT: 6.81

Processing Integration Results



Manual Integration Results

RT: 6.81
Area: 5650
Amount: 0.408013
Amount Units: ug/LReviewer: reiler, 17-Jan-2018 14:20:08
Audit Action: Assigned Compound ID

Audit Reason: Split Peak

TestAmerica Buffalo

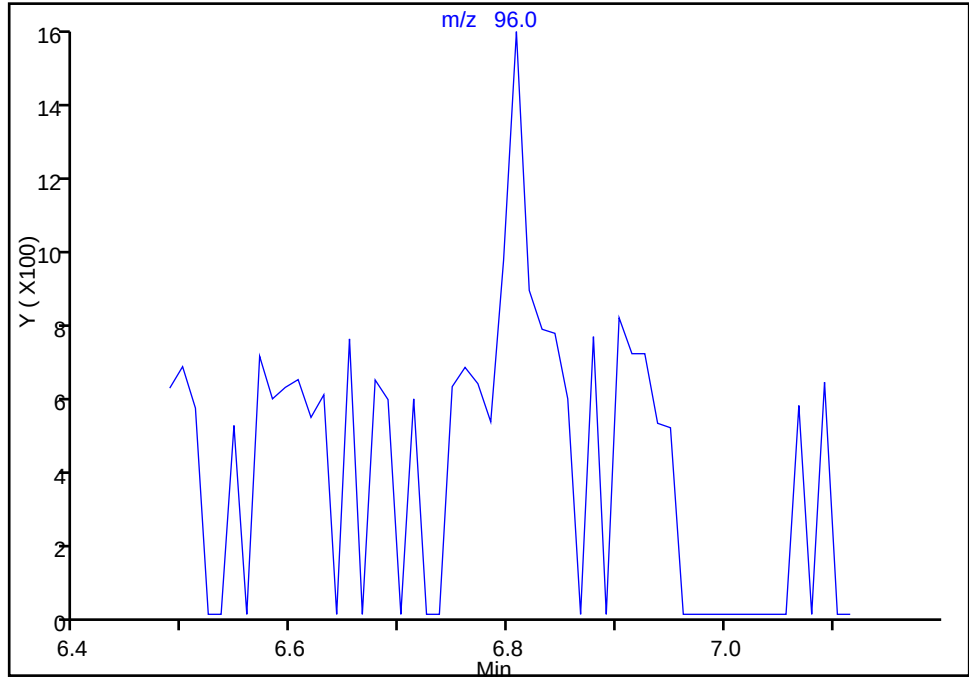
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1746.D				
Injection Date:	17-Jan-2018 00:33:30	Instrument ID:	HP5973C		
Lims ID:	480-129995-B-19	Lab Sample ID:	480-129995-19		
Client ID:	DPT-8				
Operator ID:	KN	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN		

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

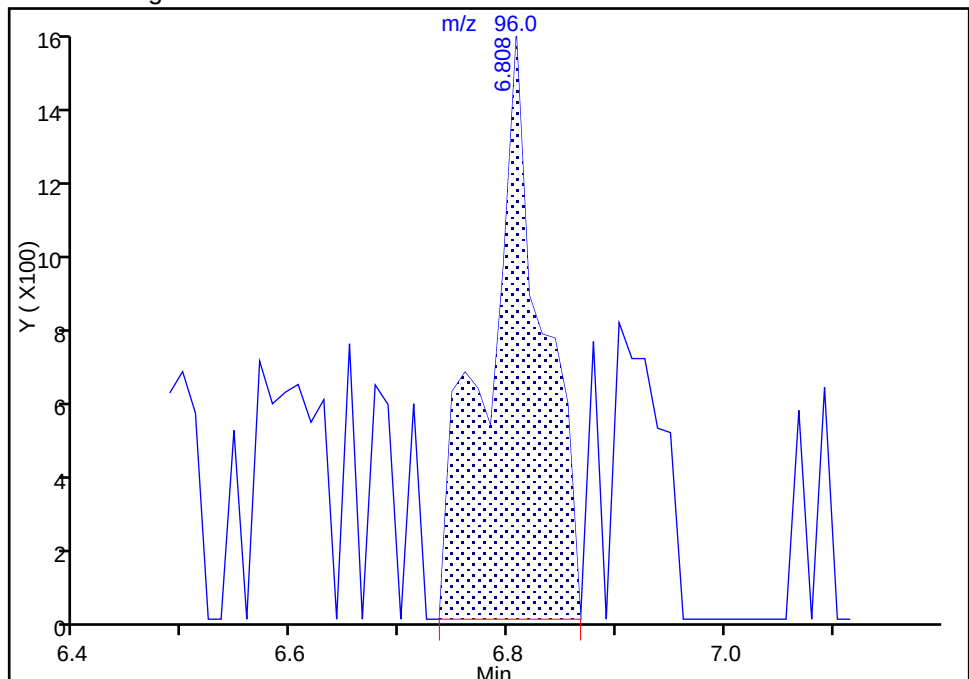
Signal: 1

Not Detected
Expected RT: 6.81

Processing Integration Results



Manual Integration Results

RT: 6.81
Area: 5650
Amount: 0.408013
Amount Units: ug/L

Reviewer: reiler, 17-Jan-2018 14:20:14

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1746.D

Injection Date: 17-Jan-2018 00:33:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-19

Lab Sample ID: 480-129995-19

Client ID: DPT-8

Operator ID: KN

ALS Bottle#: 10 Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 20.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

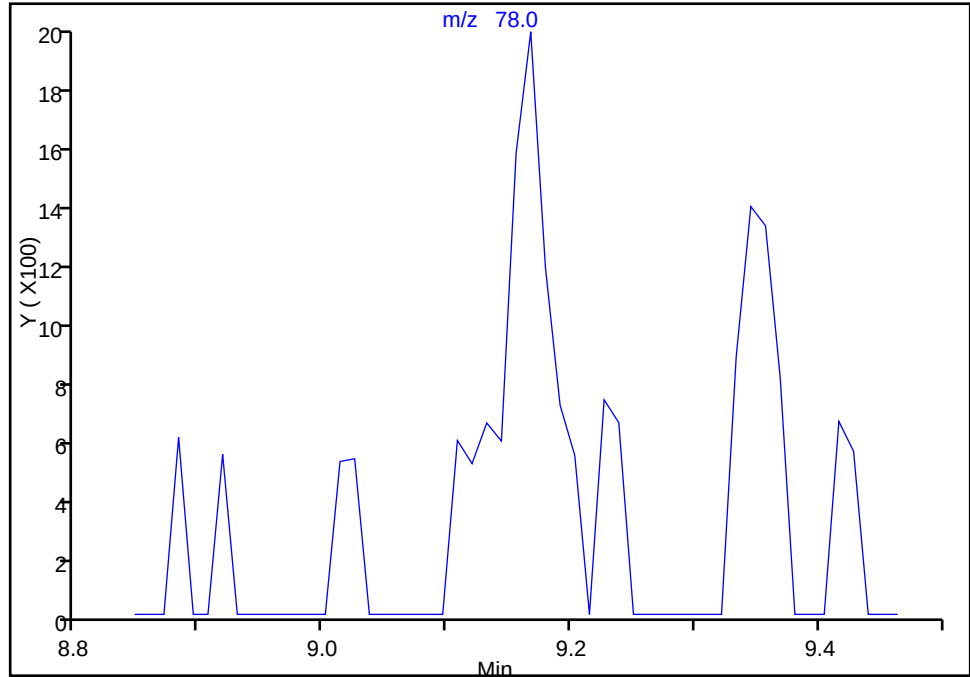
57 Benzene, CAS: 71-43-2

Signal: 1

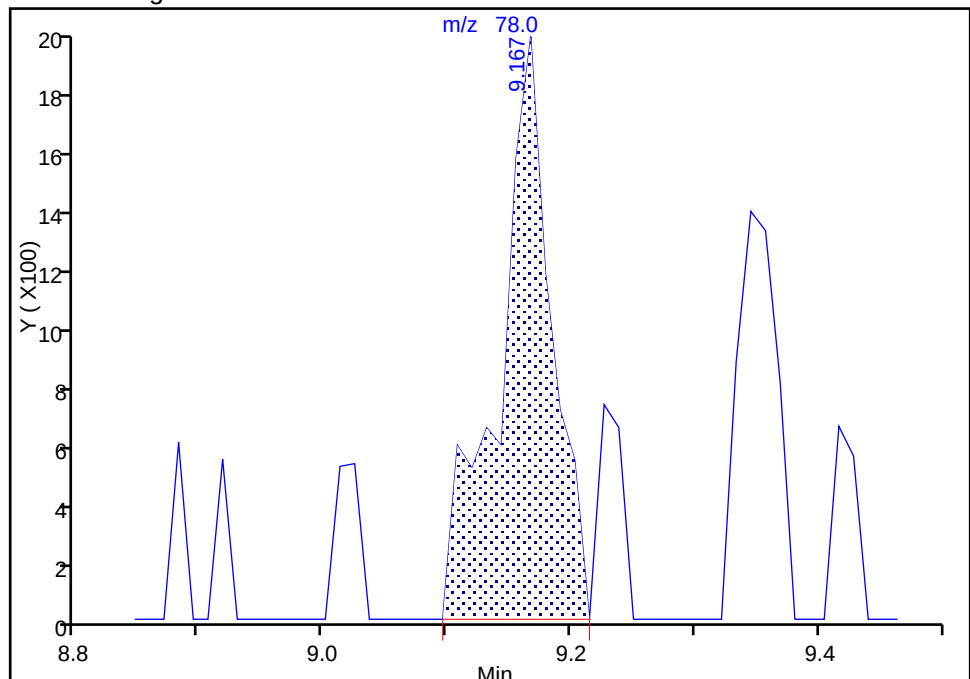
Not Detected

Expected RT: 9.17

Processing Integration Results



Manual Integration Results



RT: 9.17

Area: 5787

Amount: 0.099845

Amount Units: ug/L

Reviewer: reiler, 17-Jan-2018 14:20:49

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1746.D

Injection Date: 17-Jan-2018 00:33:30

Instrument ID: HP5973C

Lims ID: 480-129995-B-19

Lab Sample ID: 480-129995-19

Client ID: DPT-8

Operator ID: KN

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 20.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

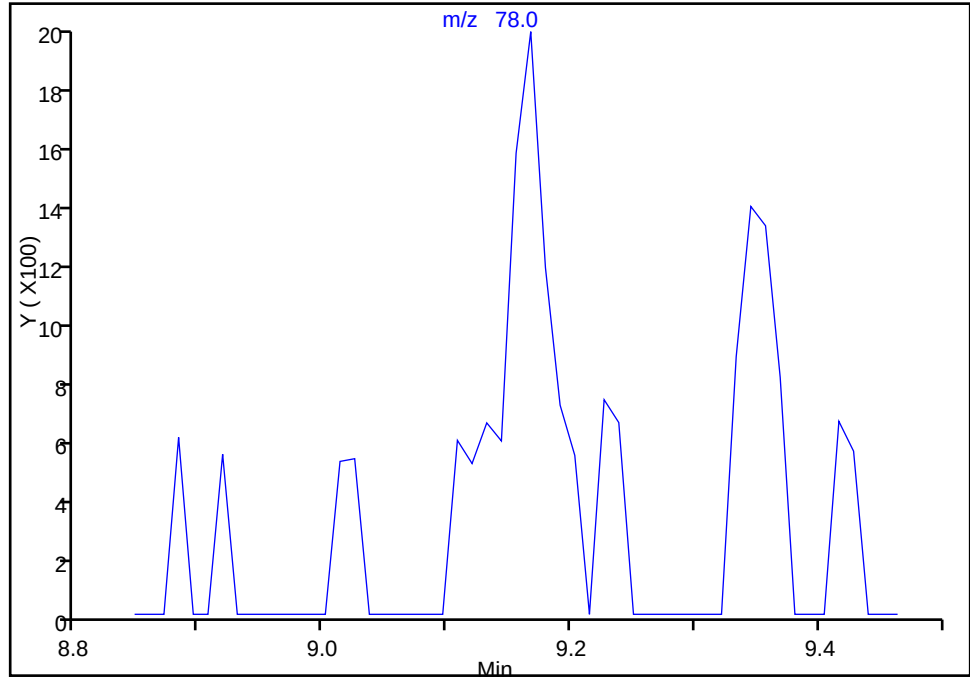
57 Benzene, CAS: 71-43-2

Signal: 1

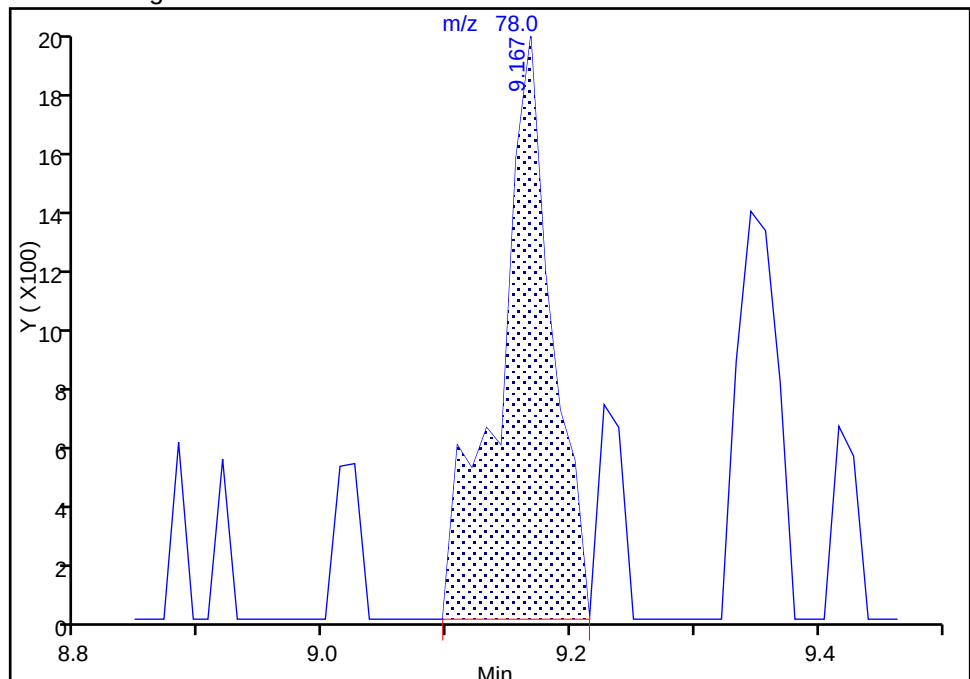
Not Detected

Expected RT: 9.17

Processing Integration Results



Manual Integration Results



RT: 9.17

Area: 5787

Amount: 0.099845

Amount Units: ug/L

Reviewer: reiler, 17-Jan-2018 14:20:55

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Buffalo

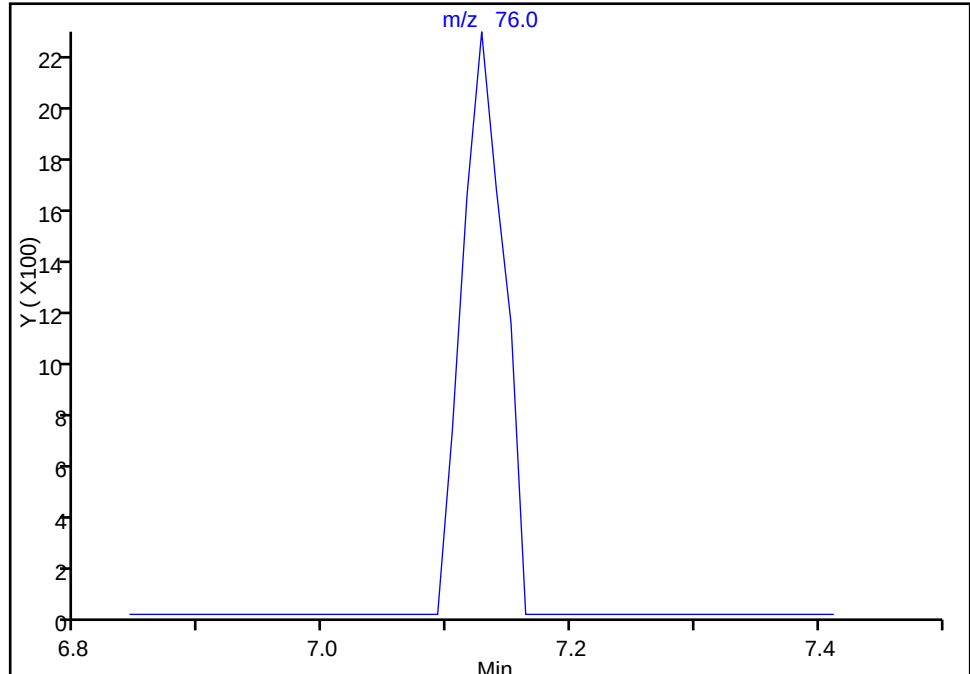
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1746.D				
Injection Date:	17-Jan-2018 00:33:30	Instrument ID:	HP5973C		
Lims ID:	480-129995-B-19	Lab Sample ID:	480-129995-19		
Client ID:	DPT-8				
Operator ID:	KN	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN		

26 Carbon disulfide, CAS: 75-15-0

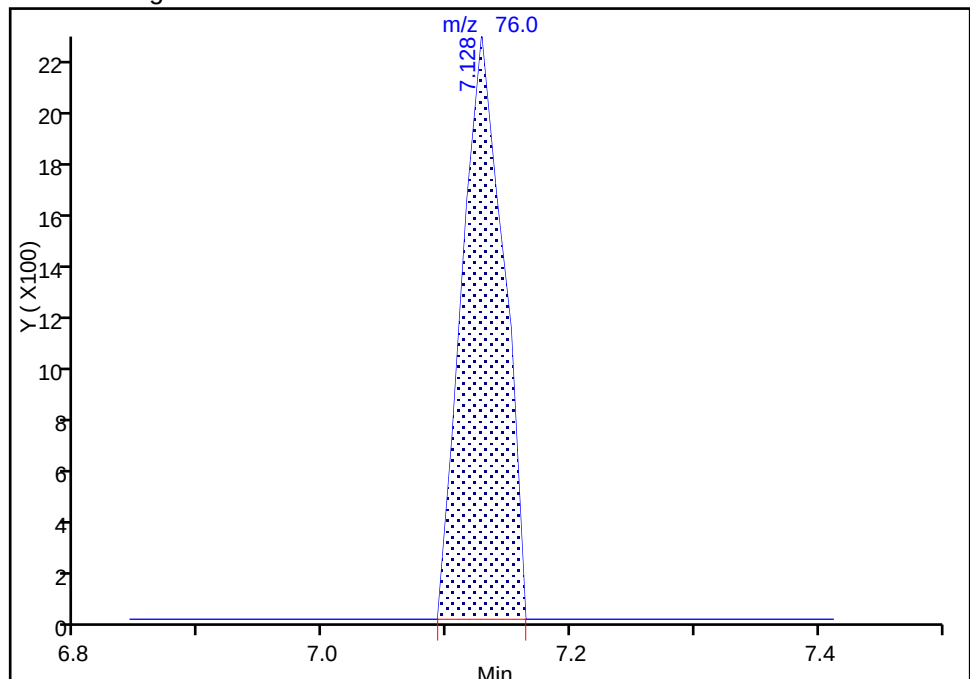
Signal: 1

Not Detected
Expected RT: 7.13

Processing Integration Results

RT: 7.13
Area: 5293
Amount: 0.101373
Amount Units: ug/L

Manual Integration Results

Reviewer: reiler, 17-Jan-2018 14:20:21
Audit Action: Assigned Compound ID

Audit Reason: Split Peak

TestAmerica Buffalo

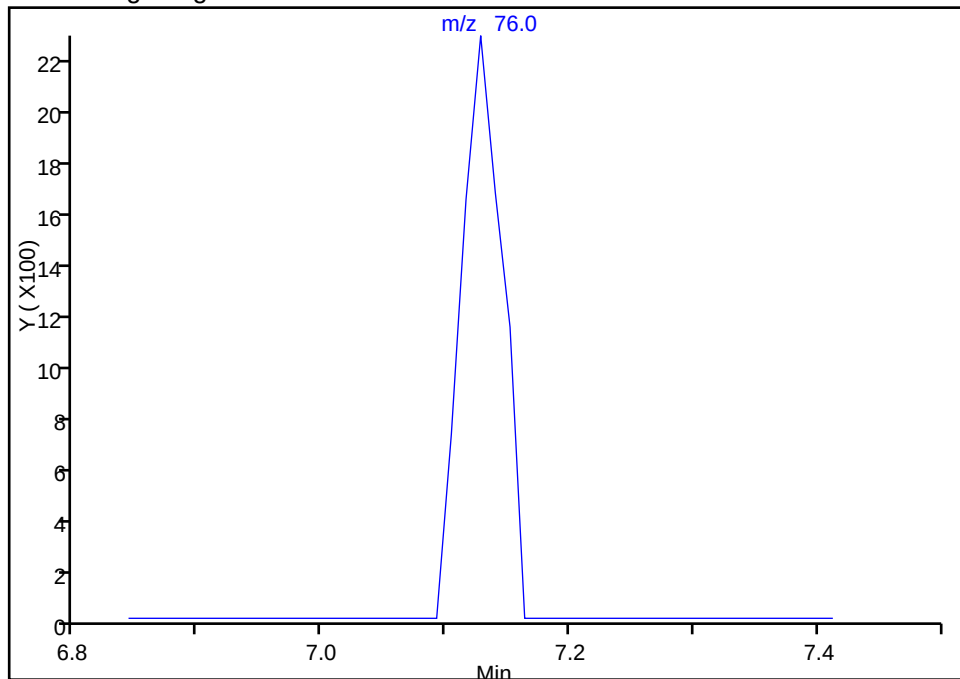
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1746.D		
Injection Date:	17-Jan-2018 00:33:30	Instrument ID:	HP5973C
Lims ID:	480-129995-B-19	Lab Sample ID:	480-129995-19
Client ID:	DPT-8		
Operator ID:	KN	ALS Bottle#:	10 Worklist Smp#: 11
Purge Vol:	5.000 mL	Dil. Factor:	20.0000
Method:	C-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN

26 Carbon disulfide, CAS: 75-15-0

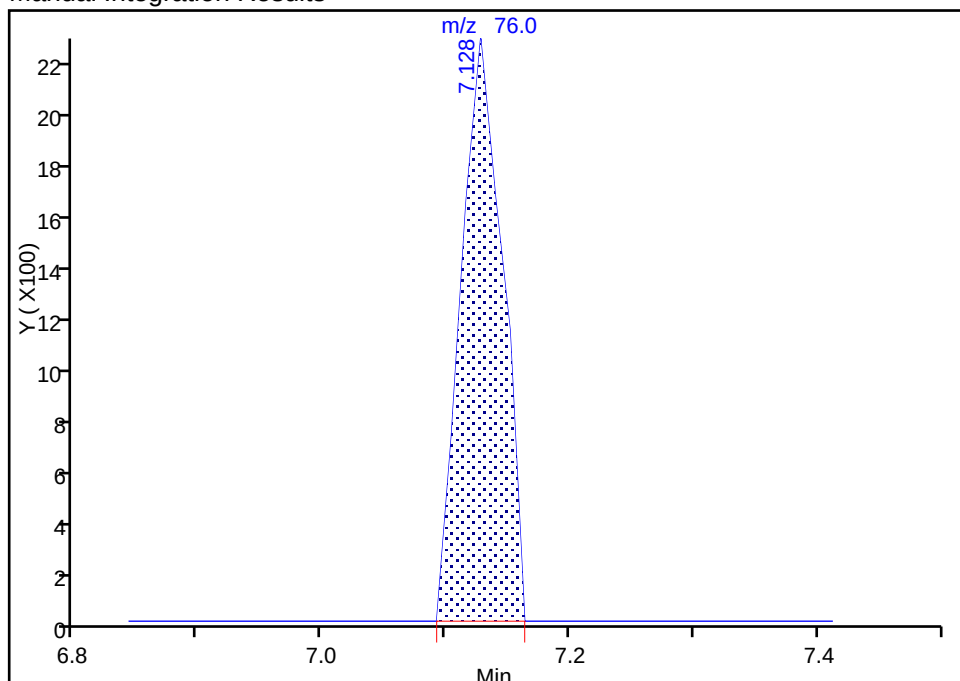
Signal: 1

Not Detected
Expected RT: 7.13

Processing Integration Results



Manual Integration Results

RT: 7.13
Area: 5293
Amount: 0.101373
Amount Units: ug/L

Reviewer: reiler, 17-Jan-2018 14:20:26

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

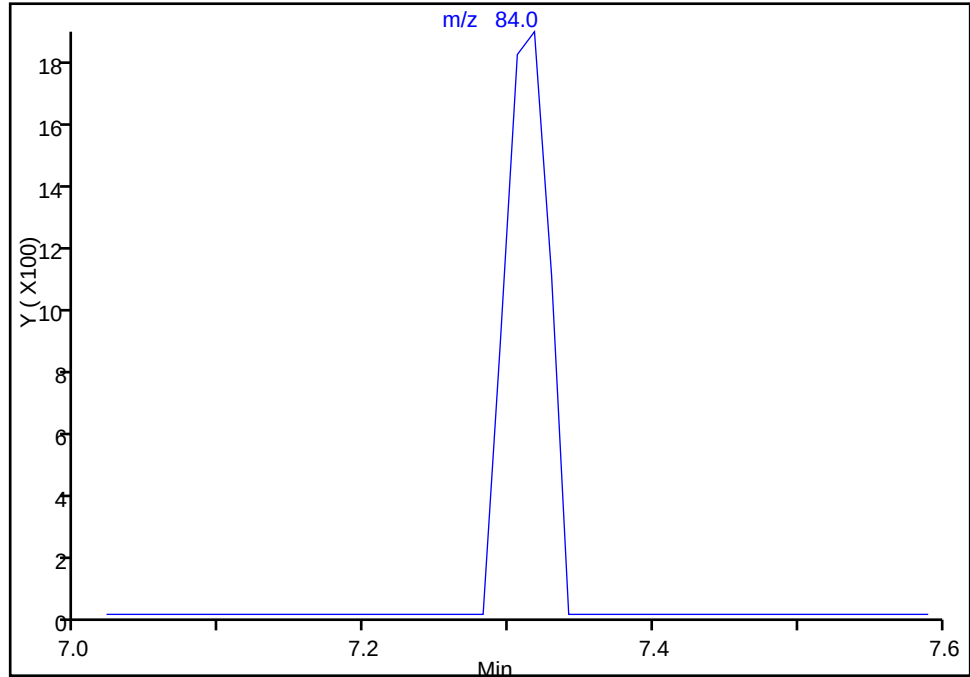
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1746.D				
Injection Date:	17-Jan-2018 00:33:30	Instrument ID:	HP5973C		
Lims ID:	480-129995-B-19	Lab Sample ID:	480-129995-19		
Client ID:	DPT-8				
Operator ID:	KN	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

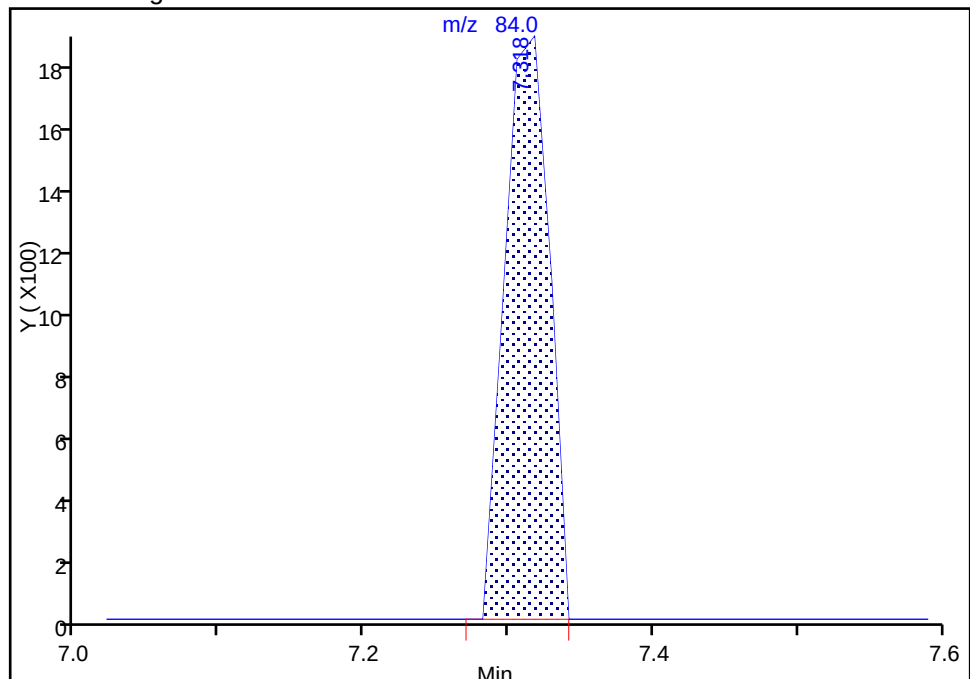
Signal: 1

Not Detected
Expected RT: 7.32

Processing Integration Results



Manual Integration Results

RT: 7.32
Area: 4043
Amount: 0.237900
Amount Units: ug/LReviewer: reiler, 17-Jan-2018 14:20:30
Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

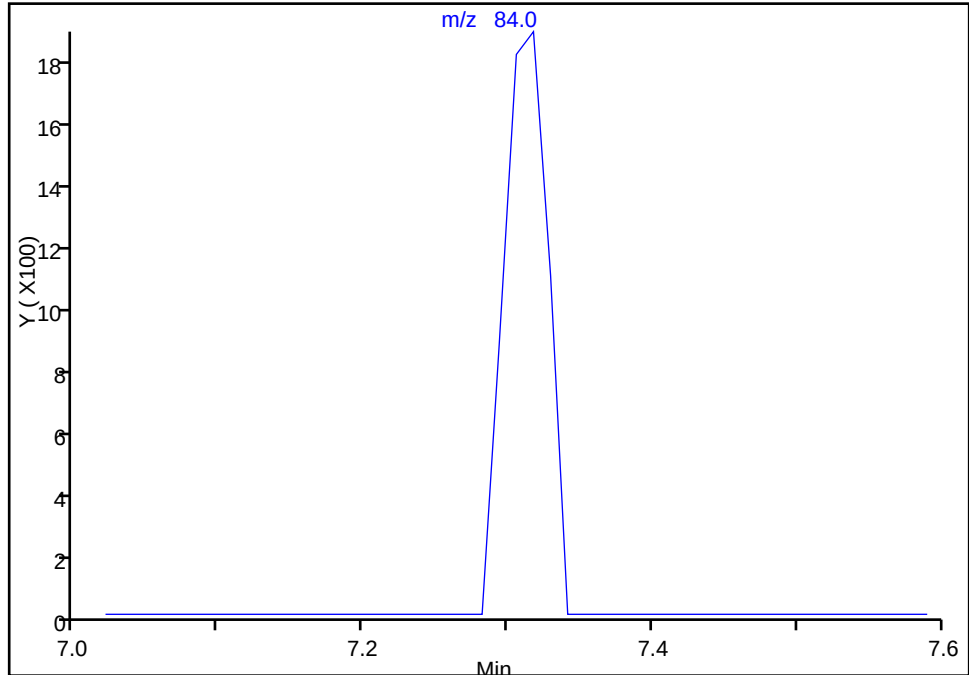
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1746.D				
Injection Date:	17-Jan-2018 00:33:30	Instrument ID:	HP5973C		
Lims ID:	480-129995-B-19	Lab Sample ID:	480-129995-19		
Client ID:	DPT-8				
Operator ID:	KN	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

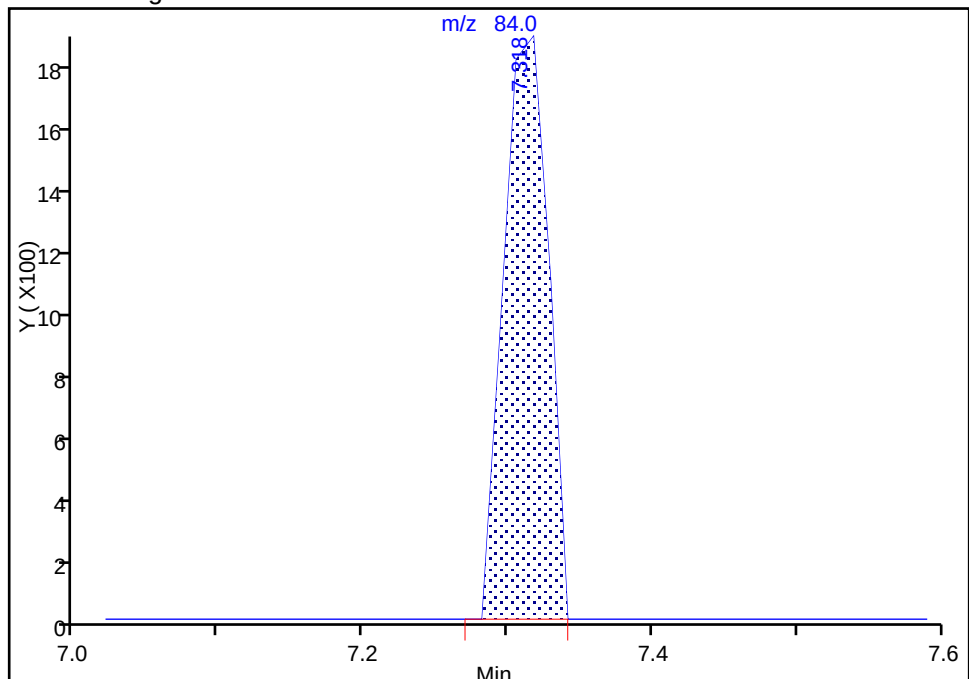
Signal: 1

Not Detected
Expected RT: 7.32

Processing Integration Results



Manual Integration Results

RT: 7.32
Area: 4043
Amount: 0.237900
Amount Units: ug/L

Reviewer: reiler, 17-Jan-2018 14:20:31

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

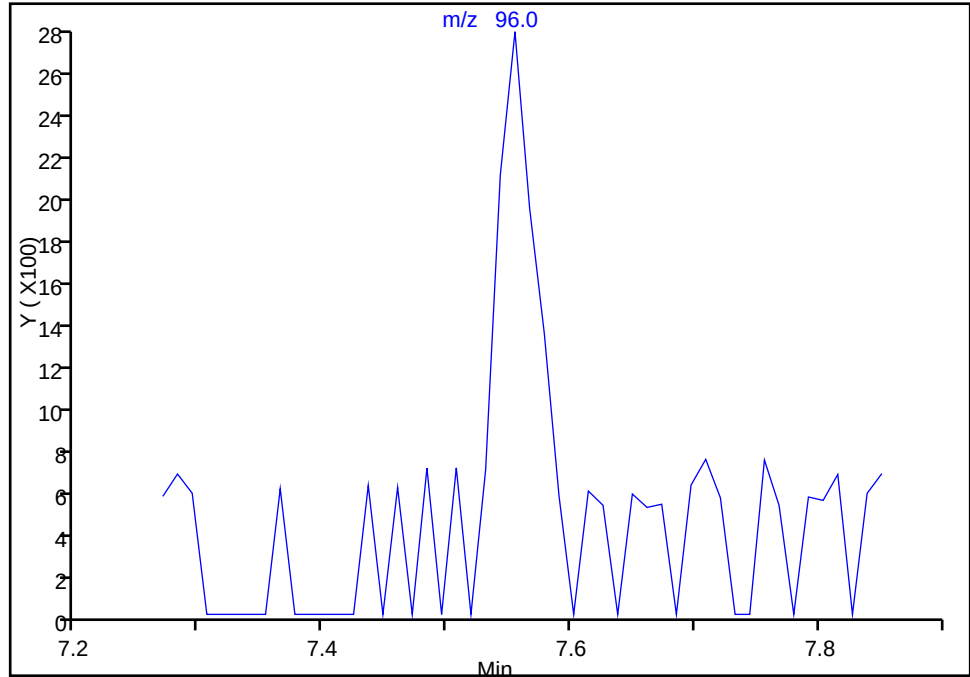
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1746.D				
Injection Date:	17-Jan-2018 00:33:30	Instrument ID:	HP5973C		
Lims ID:	480-129995-B-19	Lab Sample ID:	480-129995-19		
Client ID:	DPT-8				
Operator ID:	KN	ALS Bottle#:	10	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	20.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN		

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

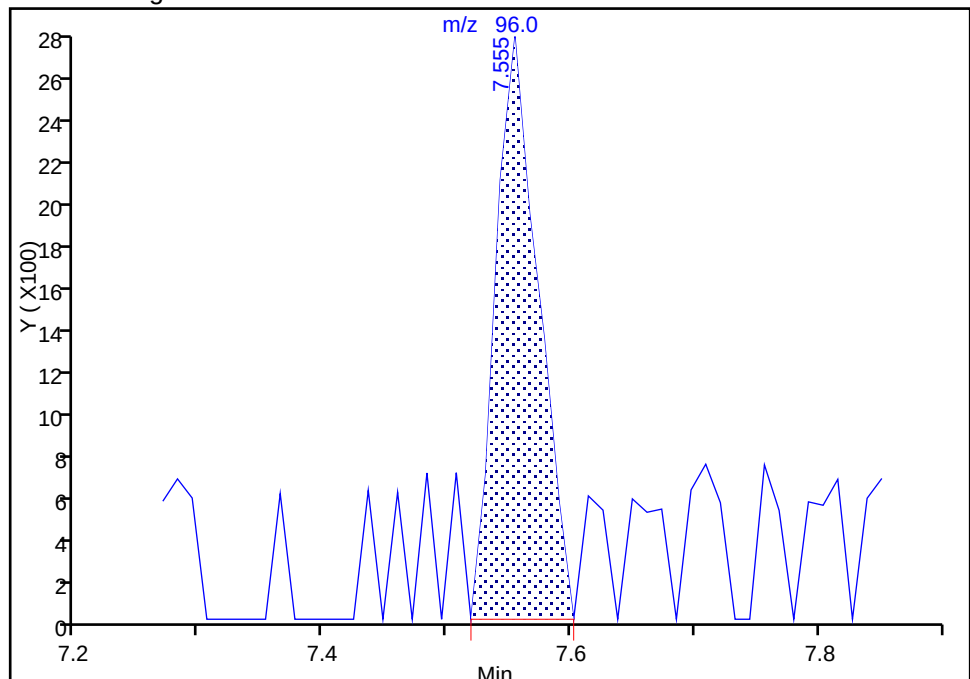
Signal: 1

Not Detected
Expected RT: 7.55

Processing Integration Results



Manual Integration Results

RT: 7.55
Area: 6598
Amount: 0.419684
Amount Units: ug/LReviewer: reiler, 17-Jan-2018 14:20:35
Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

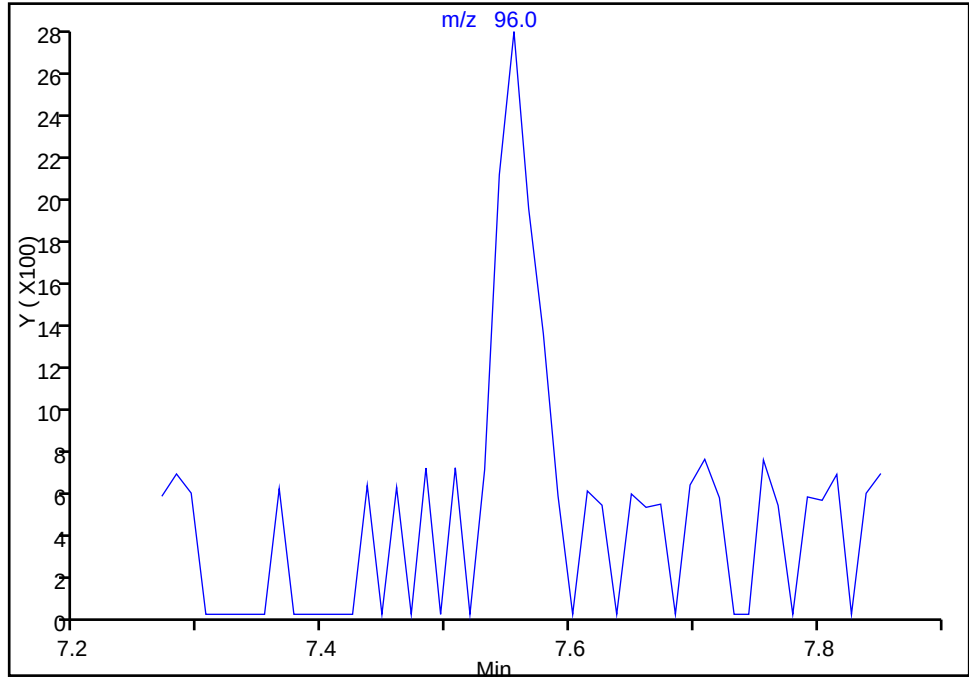
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1746.D
Injection Date: 17-Jan-2018 00:33:30 Instrument ID: HP5973C
Lims ID: 480-129995-B-19 Lab Sample ID: 480-129995-19
Client ID: DPT-8
Operator ID: KN ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

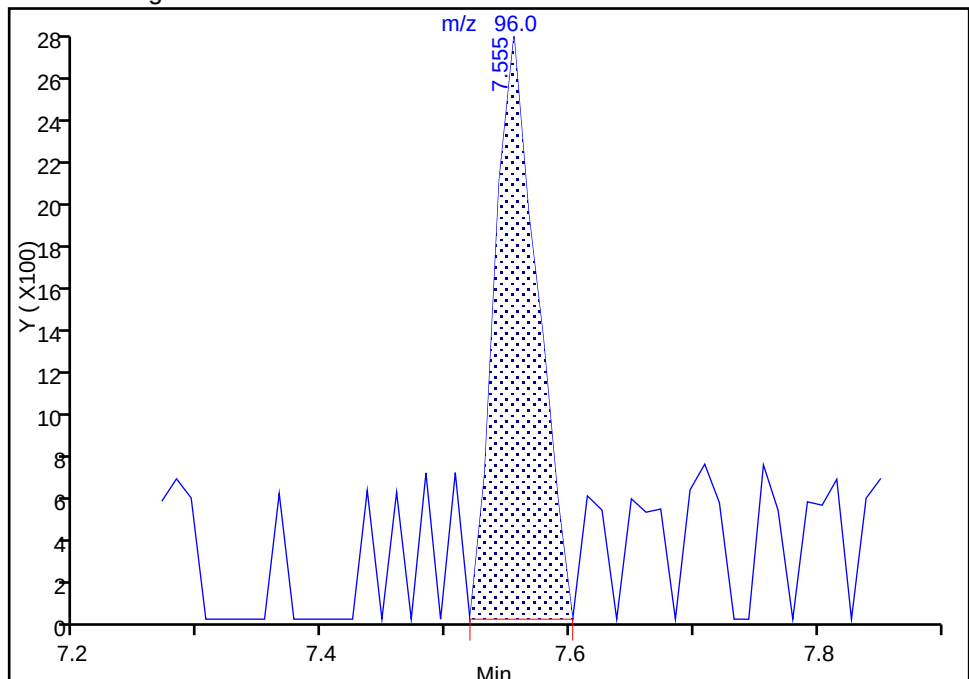
Not Detected
Expected RT: 7.55

Processing Integration Results



Manual Integration Results

RT: 7.55
Area: 6598
Amount: 0.419684
Amount Units: ug/L



Reviewer: reiler, 17-Jan-2018 14:20:39

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>Trip Blank</u>	Lab Sample ID: <u>480-129995-20</u>
Matrix: <u>Water</u>	Lab File ID: <u>95561P.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/08/2018 07:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/15/2018 18:03</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395765</u>	Units: <u>ug/L</u>

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: Trip Blank Lab Sample ID: 480-129995-20
 Matrix: Water Lab File ID: 95561P.D
 Analysis Method: 8260C Date Collected: 01/08/2018 07:00
 Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 18:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 395765 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
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
2037-26-5	Toluene-d8 (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95561P.D
 Lims ID: 480-129995-A-20
 Client ID: Trip Blank
 Sample Type: Client
 Inject. Date: 15-Jan-2018 18:03:30 ALS Bottle#: 100 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-129995-a-20
 Misc. Info.: 480-0068571-026
 Operator ID: RB Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 10:57:45 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: baroner

Date: 16-Jan-2018 10:57:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.427	10.421	0.006	97	154835	25.0	
* 2 Chlorobenzene-d5	82	14.376	14.376	0.000	92	382890	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.332	17.332	0.000	94	447297	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.624	9.630	0.000	92	237439	28.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.081	10.075	0.006	0	139434	25.2	
\$ 5 Toluene-d8 (Surr)	98	12.417	12.417	0.000	95	846407	23.7	
\$ 6 4-Bromofluorobenzene (Surr	174	15.872	15.872	0.000	94	292813	23.1	
10 Dichlorodifluoromethane	85		4.326				ND	
11 Chloromethane	50		4.745				ND	
17 Vinyl chloride	62		4.946				ND	
12 Bromomethane	94		5.585				ND	
13 Chloroethane	64		5.713				ND	
14 Trichlorofluoromethane	101		6.065				ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.735				ND	
25 1,1-Dichloroethene	96		6.820				ND	
24 Acetone	43	6.869	6.869	-0.013	75	5680	0.6095	7
27 Carbon disulfide	76		7.227				ND	
30 Methyl acetate	43		7.246				ND	
31 Methylene Chloride	84		7.471				ND	
32 Methyl tert-butyl ether	73		7.684				ND	
35 trans-1,2-Dichloroethene	96		7.769				ND	
40 1,1-Dichloroethane	63		8.335				ND	
44 2-Butanone (MEK)	43		9.010				ND	
43 cis-1,2-Dichloroethene	96	9.034	9.053	-0.006	13	2954	0.2432	
49 Chloroform	83		9.411				ND	
52 1,1,1-Trichloroethane	97		9.637				ND	
54 Cyclohexane	56		9.691				ND	
55 Carbon tetrachloride	117		9.837				ND	
57 Benzene	78		10.117				ND	
60 1,2-Dichloroethane	62		10.178				ND	
62 Trichloroethene	95		10.878				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		11.072				ND	
63 1,2-Dichloropropane	63		11.218				ND	
70 Dichlorobromomethane	83		11.553				ND	
73 cis-1,3-Dichloropropene	75		12.088				ND	
75 4-Methyl-2-pentanone (MIBK)	43		12.192				ND	
76 Toluene	92		12.508				ND	
78 trans-1,3-Dichloropropene	75		12.800				ND	
79 1,1,2-Trichloroethane	83		13.086				ND	
80 Tetrachloroethene	166		13.232				ND	
83 2-Hexanone	43		13.275				ND	
81 Chlorodibromomethane	129		13.664				ND	
85 Ethylene Dibromide	107		13.859				ND	
87 Chlorobenzene	112		14.418				ND	
89 Ethylbenzene	91		14.461				ND	
90 m-Xylene & p-Xylene	106		14.595				ND	
93 o-Xylene	106		15.148				ND	
94 Styrene	104		15.173				ND	
92 Bromoform	173		15.562				ND	
95 Isopropylbenzene	105		15.574				ND	
97 1,1,2,2-Tetrachloroethane	83		16.043				ND	
110 1,3-Dichlorobenzene	146		17.259				ND	
111 1,4-Dichlorobenzene	146		17.363				ND	
116 1,2-Dichlorobenzene	146		17.862				ND	
117 1,2-Dibromo-3-Chloropropan	75		18.914				ND	
119 1,2,4-Trichlorobenzene	180		20.015				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

P 8260 IS_00280

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00261

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95561P.D

Injection Date: 15-Jan-2018 18:03:30

Instrument ID: HP5973P

Operator ID: RB

Lims ID: 480-129995-A-20

Lab Sample ID: 480-129995-20

Worklist Smp#: 26

Client ID: Trip Blank

Purge Vol: 5.000 mL

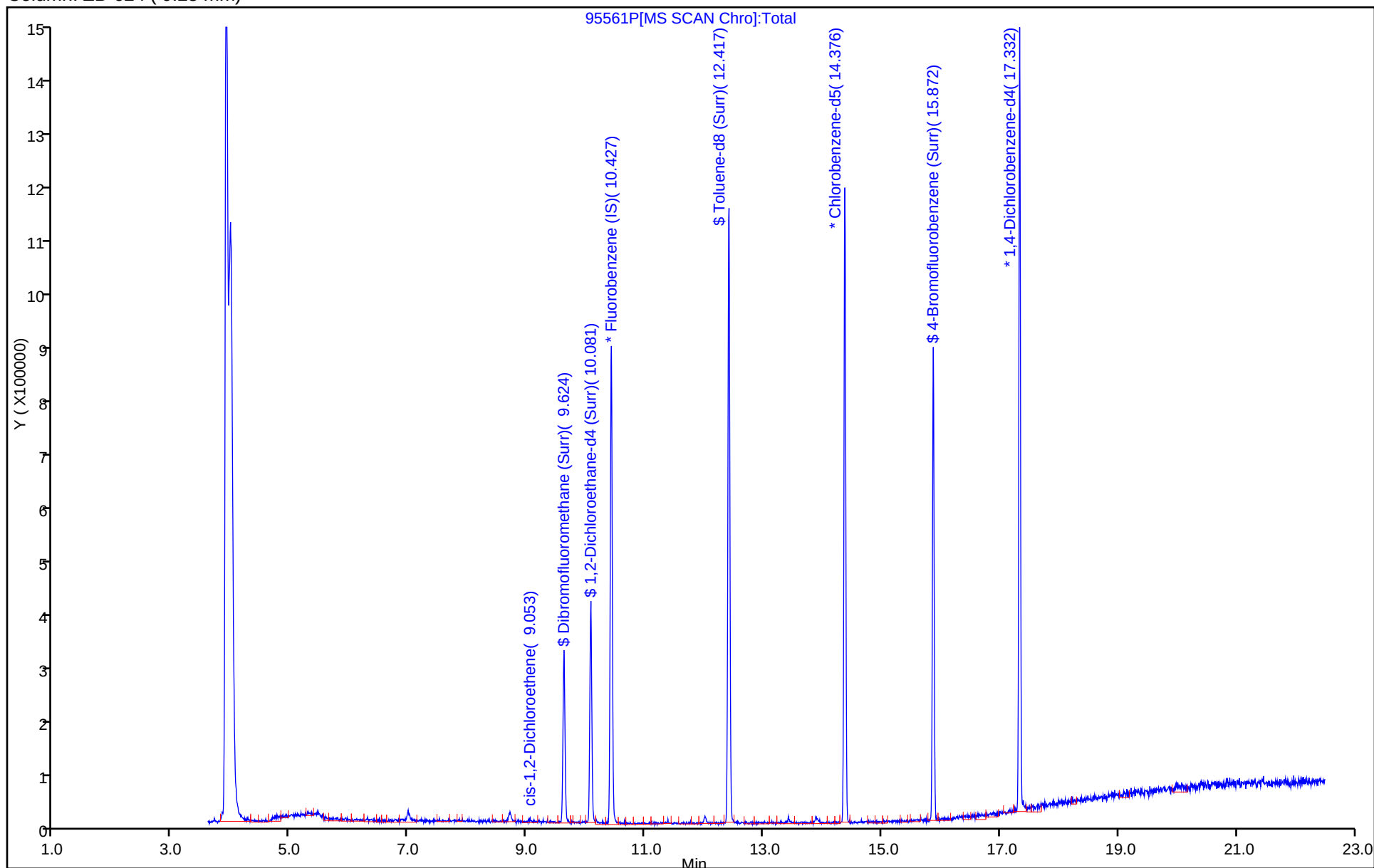
Dil. Factor: 1.0000

ALS Bottle#: 100

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395463

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/11/2018 14:41 Calibration End Date: 01/11/2018 17:38 Calibration ID: 32543

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-395463/6	C1651.D
Level 2	IC 480-395463/7	C1652.D
Level 3	IC 480-395463/8	C1653.D
Level 4	IC 480-395463/9	C1654.D
Level 5	IC 480-395463/10	C1655.D
Level 6	ICIS 480-395463/11	C1656.D
Level 7	IC 480-395463/12	C1657.D
Level 8	IC 480-395463/13	C1658.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Dichlorodifluoromethane	2.4720 2.7389	1.6803 2.5750	2.3801 2.7537	2.5689	2.7058	Ave		2.4844			0.1000	14.1		20.0			
Chloromethane	++++ 2.5938	1.9338 2.3916	2.4742 2.5099	2.2446	2.4509	Ave		2.3713			0.1000	9.3		20.0			
Vinyl chloride	++++ 2.5865	2.2163 2.4404	2.6059 2.5750	2.5498	2.6397	Ave		2.5162			0.1000	5.8		20.0			
Butadiene	++++ 2.2706	1.7674 2.1582	2.2146 2.3104	2.1988	2.3136	Ave		2.1762				8.7		20.0			
Bromomethane	++++ 2.1146	1.9401 1.9478	2.0908 2.0687	1.9224	2.0666	Ave		2.0216			0.1000	4.0		20.0			
Chloroethane	1.5178 1.6210	1.3132 1.5346	1.5521 1.6138	1.5296	1.6331	Ave		1.5394			0.1000	6.6		20.0			
Dichlorofluoromethane	4.4656 4.2439	3.2123 3.9874	4.1817 4.1814	4.0034	4.2276	Ave		4.0629				9.2		20.0			
Trichlorofluoromethane	4.3237 4.2189	2.9352 3.9695	3.8438 4.2338	3.9769	4.2192	Ave		3.9651			0.1000	11.3		20.0			
Ethyl ether	1.3366 1.5268	1.5018 1.5040	1.4596 1.6778	1.4187	1.4028	Ave		1.4785				6.9		20.0			
Acrolein	0.2728 0.2681	0.2358 0.2662	0.2423 0.3003	0.2405	0.2485	Ave		0.2593				8.4		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 1.9755	1.5350 1.9228	1.8827 2.3494	1.9624	1.9484	Ave		1.9395			0.1000	12.2		20.0			
1,1-Dichloroethene	++++ 1.8494	2.0338 1.7731	2.0941 2.1180	1.8655	1.8039	Ave		1.9340			0.1000	7.4		20.0			
Acetone	++++ 0.6308	0.5932 0.6220	0.6521 0.7003	0.5955	0.5932	Ave		0.6267			0.1000	6.3		20.0			
Iodomethane	4.0442 3.8556	3.4560 3.7721	3.6311 4.3053	3.7039	3.5745	Ave		3.7928				7.2		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: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395463
SDG No.: _____
Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/11/2018 14:41 Calibration End Date: 01/11/2018 17:38 Calibration ID: 32543

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	++++ 7.3743	6.9238 7.1800	7.1748 8.3380	7.1803	6.8738	Ave		7.2921			0.1000	6.7		20.0			
Methyl acetate	++++ 1.2752	1.1494 1.2598	1.2486 1.3856	1.2332	1.2373	Ave		1.2556			0.1000	5.6		20.0			
Allyl chloride	++++ 2.9738	2.9526 2.8812	2.8568 3.2881	2.8559	2.8083	Ave		2.9452				5.5		20.0			
Methylene Chloride	++++ 2.1646	3.0150 2.1325	2.6170 2.3514	2.2309	2.1030	Ave		2.3735			0.1000	14.0		20.0			
2-Methyl-2-propanol	0.2300 0.2083	0.1854 0.2030	0.2143 0.2310	0.1994	0.1955	Ave		0.2084				7.7		20.0			
Methyl tert-butyl ether	++++ 6.1428	6.3407 6.1056	6.2457 6.7971	5.9568	5.8415	Ave		6.2043			0.1000	5.0		20.0			
Acrylonitrile	0.6756 0.6257	0.5630 0.6188	0.5932 0.6827	0.5818	0.5893	Ave		0.6163				7.1		20.0			
trans-1,2-Dichloroethene	++++ 2.1600	2.1883 2.0697	2.3164 2.3452	2.1873	2.1028	Ave		2.1957			0.1000	4.7		20.0			
Hexane	++++ 2.2312	2.0707 2.1867	2.2877 2.6815	2.3174	2.1944	Ave		2.2814				8.5		20.0			
Vinyl acetate	3.8496 3.7799	3.2627 3.7204	3.4519 4.2037	3.4661	3.5107	Ave		3.6556				8.1		20.0			
1,1-Dichloroethane	3.7797 3.5105	3.1662 3.4321	3.4018 3.8806	3.4633	3.3299	Ave		3.4955			0.2000	6.7		20.0			
2-Butanone (MEK)	0.9215 0.8565	0.7855 0.8399	0.8115 0.9548	0.7896	0.7807	Ave		0.8425			0.1000	7.8		20.0			
2,2-Dichloropropane	++++ 3.3809	3.1848 3.2151	3.2726 3.7180	3.3716	3.1734	Ave		3.3309				5.7		20.0			
cis-1,2-Dichloroethene	++++ 2.4326	2.6332 2.3930	2.4026 2.7047	2.3546	2.3359	Ave		2.4652			0.1000	5.8		20.0			
Chlorobromomethane	++++ 1.2819	1.1275 1.2625	1.2477 1.4077	1.1977	1.2171	Ave		1.2489				6.9		20.0			
Chloroform	++++ 3.8937	3.8985 3.8003	3.9459 4.2740	3.7487	3.6738	Ave		3.8907			0.2000	5.0		20.0			
Tetrahydrofuran	++++ 0.5233	0.5606 0.5095	0.5712 0.5750	0.5097	0.4979	Ave		0.5353				6.1		20.0			
1,1,1-Trichloroethane	3.1398 3.5449	3.0068 3.4822	3.2884 4.0637	3.3529	3.3429	Ave		3.4027			0.1000	9.3		20.0			
Cyclohexane	++++ 3.1563	2.5792 3.1083	2.9132 3.7507	3.1726	3.0812	Ave		3.1088			0.1000	11.3		20.0			
Isobutyl alcohol	0.0886 0.0904	0.0820 0.0899	0.0914 0.1065	0.0874	0.0853	Ave		0.0902				8.1		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395463
SDG No.: _____
Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/11/2018 14:41 Calibration End Date: 01/11/2018 17:38 Calibration ID: 32543

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	2.7714 2.8133	2.4632 2.7276	2.7185 3.2129	2.7554	2.7214	Ave		2.7730				7.5		20.0			
Carbon tetrachloride	2.7003 3.2335	2.5633 3.1497	3.0682 3.7564	3.1433	3.1025	Ave		3.0897			0.1000	11.6		20.0			
Benzene	++++ 8.2001	7.7429 8.0002	8.0601 9.0434	7.9101	7.7066	Ave		8.0948			0.5000	5.6		20.0			
1,2-Dichloroethane	++++ 3.1589	2.9959 3.0711	3.1393 3.4200	3.0240	2.9027	Ave		3.1017			0.1000	5.3		20.0			
n-Heptane	++++ 1.9882	1.8596 1.9727	2.1271 2.3905	2.0846	2.0093	Ave		2.0617				8.2		20.0			
Trichloroethene	2.4037 2.2908	2.0404 2.2015	2.1086 2.5766	2.1975	2.1625	Ave		2.2477			0.2000	7.7		20.0			
Methylcyclohexane	2.4320 3.1371	2.5791 3.0767	2.8600 3.8000	3.1061	3.0783	Ave		3.0086			0.1000	13.8		20.0			
1,2-Dichloropropane	++++ 1.9956	1.8476 1.9640	1.9001 2.2109	1.8889	1.8746	Ave		1.9545			0.1000	6.4		20.0			
1,4-Dioxane	++++ 0.0079	++++ 0.0074	0.0080 0.0086	0.0073	0.0076	Ave		0.0078				6.0		20.0			
Dibromomethane	++++ 1.4321	1.2218 1.4269	1.4003 1.6046	1.3670	1.3634	Ave		1.4023			0.1000	8.1		20.0			
Bromodichloromethane	3.2862 3.0758	2.7153 3.0516	2.7545 3.4564	2.8245	2.7903	Ave		2.9943			0.2000	9.1		20.0			
2-Chloroethyl vinyl ether	1.0696 1.2223	0.9962 1.2364	1.0877 1.4299	1.1100	1.1108	Ave		1.1579				11.7		20.0			
cis-1,3-Dichloropropene	3.5821 3.4015	3.0323 3.3810	3.1894 3.8412	3.1409	3.1791	Ave		3.3435			0.2000	8.0		20.0			
4-Methyl-2-pentanone (MIBK)	0.8136 0.8106	0.6850 0.7987	0.7412 0.8816	0.7312	0.7585	Ave		0.7775			0.1000	7.8		20.0			
Toluene	2.5109 2.4110	2.3191 2.3453	2.3391 2.6091	2.3136	2.3198	Ave		2.3960			0.4000	4.6		20.0			
Ethyl methacrylate	0.9558 1.0878	0.8189 1.0992	0.9614 1.2562	0.9544	0.9821	Ave		1.0145				12.9		20.0			
trans-1,3-Dichloropropene	1.5697 1.4717	1.3291 1.4649	1.4278 1.6381	1.3553	1.4035	Ave		1.4575			0.1000	7.2		20.0			
1,1,2-Trichloroethane	++++ 0.7009	0.6632 0.6872	0.6710 0.7571	0.6487	0.6569	Ave		0.6836			0.1000	5.4		20.0			
2-Hexanone	0.5903 0.5905	0.4999 0.5909	0.5571 0.6608	0.5287	0.5419	Ave		0.5700			0.1000	8.7		20.0			
Tetrachloroethene	1.1034 1.1443	1.0355 1.0925	1.1243 1.2616	1.1000	1.1130	Ave		1.1218			0.2000	5.8		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395463
SDG No.: _____
Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/11/2018 14:41 Calibration End Date: 01/11/2018 17:38 Calibration ID: 32543

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								
1,3-Dichloropropane	++++ 1.4375	1.3283 1.4075	1.4031 1.5484	1.3994	1.3770	Ave		1.4145				4.8		20.0			
Dibromochloromethane	1.1538 1.1236	1.0048 1.1294	1.0171 1.2686	1.0142	1.0327	Ave		1.0930			0.1000	8.5		20.0			
1,2-Dibromoethane	0.9325 0.9105	0.7688 0.8946	0.8765 1.0068	0.8209	0.8527	Ave		0.8829				8.2		20.0			
Chlorobenzene	3.0682 2.8886	2.7414 2.8107	2.8475 3.1046	2.7663	2.7777	Ave		2.8756			0.5000	4.8		20.0			
Ethylbenzene	++++ 4.5611	4.1590 4.4459	4.2748 4.9763	4.3620	4.3489	Ave		4.4468			0.1000	6.0		20.0			
1,1,1,2-Tetrachloroethane	1.1536 1.1165	1.0425 1.0713	1.0659 1.2095	1.0278	1.0251	Ave		1.0890				6.0		20.0			
m,p-Xylene	1.9050 1.8251	1.6281 1.7689	1.7729 2.0134	1.7217	1.7368	Ave		1.7965			0.1000	6.6		20.0			
o-Xylene	1.7883 1.7868	1.6343 1.7677	1.7061 1.9922	1.7074	1.7195	Ave		1.7628			0.3000	6.0		20.0			
Styrene	2.8980 2.9928	2.5476 2.9801	2.7397 3.3555	2.7037	2.7707	Ave		2.8735			0.3000	8.5		20.0			
Isopropylbenzene	4.3021 4.3301	3.8905 4.2292	4.2014 4.8587	4.1504	4.1167	Ave		4.2599			0.1000	6.5		20.0			
Bromoform	0.7027 0.7147	0.5762 0.7236	0.6745 0.8276	0.6302	0.6678	Ave		0.6897			0.1000	10.7		20.0			
1,1,2,2-Tetrachloroethane	1.0841 1.0084	0.9306 0.9906	0.9854 1.1115	0.9443	0.9693	Ave		1.0030			0.3000	6.4		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.3121	0.2224 0.3170	0.3005 0.3568	0.2549	0.2878	Ave		0.2931				15.0		20.0			
N-Propylbenzene	4.9853 4.9644	4.3677 4.8535	4.7164 5.5235	4.6797	4.7375	Ave		4.8535				6.9		20.0			
1,2,3-Trichloropropane	0.3175 0.3483	0.2816 0.3406	0.3327 0.3832	0.3347	0.3328	Ave		0.3339				8.5		20.0			
Bromobenzene	1.2762 1.2420	1.2138 1.2042	1.2675 1.3535	1.1785	1.1807	Ave		1.2395				4.7		20.0			
1,3,5-Trimethylbenzene	++++ 3.6955	3.3278 3.6225	3.5574 4.1296	3.4666	3.5078	Ave		3.6153				7.1		20.0			
2-Chlorotoluene	1.1643 1.1153	1.0426 1.0835	1.0867 1.2291	1.0354	1.0658	Ave		1.1029				5.9		20.0			
4-Chlorotoluene	1.2584 1.1441	1.0404 1.1307	1.1324 1.2909	1.1045	1.0972	Ave		1.1498				7.3		20.0			
tert-Butylbenzene	++++ 0.8354	0.8373 0.8145	0.8473 0.9416	0.8103	0.7984	Ave		0.8407				5.7		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: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395463
SDG No.: _____
Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/11/2018 14:41 Calibration End Date: 01/11/2018 17:38 Calibration ID: 32543

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	4.1833 3.8915	3.5084 3.8111	3.7016 4.2940	3.6448	3.6328	Ave		3.8334				7.2		20.0			
sec-Butylbenzene	4.6372 4.3589	3.7574 4.2791	4.1574 4.9507	4.1931	4.1897	Ave		4.3155				8.2		20.0			
4-Isopropyltoluene	4.0678 3.8668	3.2693 3.8254	3.6551 4.4296	3.7071	3.6527	Ave		3.8092				8.9		20.0			
1,3-Dichlorobenzene	2.4909 2.2977	2.2210 2.2999	2.2746 2.6409	2.1841	2.1922	Ave		2.3252			0.6000	6.9		20.0			
1,4-Dichlorobenzene	++++ 2.3761	2.2703 2.3406	2.3590 2.6370	2.2311	2.2253	Ave		2.3485			0.5000	6.0		20.0			
n-Butylbenzene	3.3703 3.2127	3.0614 3.1990	3.0798 3.7103	3.0625	3.0641	Ave		3.2200				7.0		20.0			
1,2-Dichlorobenzene	2.4630 2.2492	2.1599 2.2119	2.1808 2.4800	2.0914	2.1030	Ave		2.2424			0.4000	6.7		20.0			
1,2-Dibromo-3-Chloropropane	0.2051 0.2074	0.2938 0.2043	0.2397 0.2416	0.1915	0.1888	Ave		0.2215			0.0500	15.9		20.0			
1,2,4-Trichlorobenzene	++++ 1.5795	1.4786 1.5825	1.5805 1.7809	1.4989	1.5143	Ave		1.5736			0.2000	6.4		20.0			
Hexachlorobutadiene	0.6867 0.6053	0.5885 0.5920	0.6012 0.6991	0.5962	0.5667	Ave		0.6170				7.8		20.0			
Naphthalene	4.2006 3.9661	3.4348 3.9377	3.7148 4.4655	3.5122	3.6729	Ave		3.8631				9.1		20.0			
1,2,3-Trichlorobenzene	++++ 1.4980	1.4639 1.4985	1.4365 1.6810	1.4220	1.4424	Ave		1.4918				5.9		20.0			
Dibromofluoromethane (Surr)	1.3589 1.4029	1.3854 1.3903	1.3671 1.4133	1.3925	1.3544	Ave		1.3831				1.5		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7760 0.7536	0.7924 0.7633	0.7679 0.7647	0.7852	0.7540	Ave		0.7696				1.8		20.0			
Toluene-d8 (Surr)	2.3091 2.3220	2.3461 2.3194	2.3586 2.2806	2.3471	2.3557	Ave		2.3298				1.2		20.0			
4-Bromofluorobenzene (Surr)	0.8408 0.8373	0.8578 0.8531	0.8502 0.8552	0.8559	0.8383	Ave		0.8486				1.0		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395463

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/11/2018 14:41 Calibration End Date: 01/11/2018 17:38 Calibration ID: 32543

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-395463/6	C1651.D
Level 2	IC 480-395463/7	C1652.D
Level 3	IC 480-395463/8	C1653.D
Level 4	IC 480-395463/9	C1654.D
Level 5	IC 480-395463/10	C1655.D
Level 6	ICIS 480-395463/11	C1656.D
Level 7	IC 480-395463/12	C1657.D
Level 8	IC 480-395463/13	C1658.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	7093 489394	12037 930675	34400 1997496	92088	195905	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	++++ 463466	13853 864383	35759 1820650	80460	177450	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	++++ 462154	15876 882029	37663 1867860	91402	191124	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	++++ 405702	12661 780030	32008 1675946	78821	167511	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	++++ 377836	13898 704003	30218 1500595	68912	149626	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	4355 289636	9407 554645	22432 1170636	54830	118243	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	12813 758308	23011 1441180	60438 3033071	143510	306090	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	12406 753835	21026 1434695	55554 3071120	142558	305482	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	3835 272803	10758 543604	21096 1217014	50857	101567	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	3914 239503	8445 481044	17507 1089033	43103	89976	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 352990	10996 694961	27211 1704218	70347	141072	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	++++ 330446	14569 640865	30266 1536385	66872	130608	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	++++ 563542	21247 1124002	47123 2539748	106729	214738	++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	11604 688925	24757 1363339	52481 3122967	132772	258805	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	++++ 1317636	49598 2595085	103698 6048193	257392	497680	++++ 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: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395463

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/11/2018 14:41 Calibration End Date: 01/11/2018 17:38 Calibration ID: 32543

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
Methyl acetate	FB	Ave	++++ 455719	16468 910632	36092 2010222	88412	179162	++++ 50.0	2.00 100	4.00 200	10.0	20.0
Allyl chloride	FB	Ave	++++ 531357	21151 1041351	41289 2385143	102374	203325	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylene Chloride	FB	Ave	++++ 386769	21598 770749	37824 1705639	79970	152260	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	6598 372260	13284 733613	30966 1675628	71492	141553	4.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	++++ 1097596	45421 2206761	90269 4930472	213533	422939	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	19384 1117970	40331 2236593	85741 4952308	208539	426668	4.00 250	10.0 500	20.0 1000	50.0	100
trans-1,2-Dichloroethene	FB	Ave	++++ 385944	15676 748046	33479 1701192	78407	152247	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexane	FB	Ave	++++ 398673	14833 790330	33064 1945084	83071	158880	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	22091 1350781	46745 2689356	99780 6098622	248495	508360	0.800 50.0	2.00 100	4.00 200	10.0	20.0
1,1-Dichloroethane	FB	Ave	10845 627250	22681 1240458	49167 2814900	124150	241094	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	13220 765208	28134 1517849	58645 3462898	141526	282624	2.00 125	5.00 250	10.0 500	25.0	50.0
2,2-Dichloropropane	FB	Ave	++++ 604108	22814 1162041	47299 2696985	120860	229760	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	++++ 434663	18863 864919	34725 1961914	84406	169122	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobromomethane	FB	Ave	++++ 229044	8077 456309	18033 1021084	42932	88118	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroform	FB	Ave	++++ 695722	27927 1373527	57030 3100238	134380	265989	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	++++ 187020	8032 368276	16510 834229	36545	72098	++++ 50.0	2.00 100	4.00 200	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	9009 633400	21539 1258557	47527 2947703	120192	242036	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	++++ 563970	18476 1123438	42104 2720691	113728	223087	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	6358 403926	14683 811971	33037 1932123	78294	154349	10.0 625	25.0 1250	50.0 2500	125	250
1,1-Dichloropropene	FB	Ave	7952 502673	17645 985844	39290 2330582	98772	197038	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	7748 577764	18362 1138404	44345 2724795	112679	224630	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: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395463

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/11/2018 14:41 Calibration End Date: 01/11/2018 17:38 Calibration ID: 32543

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	++++ 1465199	55466 2891527	116493 6559890	283552	557974	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	++++ 564431	21461 1109978	45372 2480790	108402	210164	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	++++ 355246	13321 712997	30743 1734028	74728	145475	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	6897 409324	14616 795700	30475 1869037	78775	156568	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	6978 560539	18475 1111995	41335 2756477	111345	222873	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	++++ 356575	13235 709848	27462 1603712	67711	135729	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	++++ 61803	++++ 119065	4942 280297	11385	23632	++++ 500	++++ 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	++++ 255894	8752 515710	20238 1163940	49001	98710	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	9429 549583	19451 1102944	39811 2507197	101249	202023	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3069 218400	7136 446882	15721 1037240	39790	80428	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	10278 607786	21722 1221991	46096 2786360	112593	230176	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	25646 1585181	53007 3206112	114137 7207442	285897	588240	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	15830 942934	35890 1882921	72043 4266365	180927	359811	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	6026 425445	12673 882534	29611 2054156	74637	152329	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	9896 575594	20569 1176107	43974 2678495	105988	217689	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	++++ 274108	10263 551694	20666 1238051	50728	101896	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	18608 1154825	38679 2371876	85796 5402612	206722	420287	2.00 125	5.00 250	10.0 500	25.0	50.0
Tetrachloroethene	CBNZ d5	Ave	6956 447526	16026 877102	34627 2062854	86018	172637	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	++++ 562216	20557 1130006	43215 2531920	109431	213581	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromochloromethane	CBNZ d5	Ave	7274 439452	15551 906781	31326 2074407	79314	160176	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	5879 356085	11898 718245	26997 1646291	64197	132264	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: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395463

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/11/2018 14:41 Calibration End Date: 01/11/2018 17:38 Calibration ID: 32543

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	19343 1129761	42426 2256596	87700 5076424	216326	430836	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	++++ 1783861	64364 3569482	131661 8137000	341109	674540	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	7273 436660	16134 860088	32828 1977734	80372	158994	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	12010 713820	25196 1420226	54604 3292262	134636	269397	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	11274 698820	25293 1419225	52546 3257529	133516	266708	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	18270 1170489	39426 2392583	84380 5486744	211432	429756	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	28085 1792234	63180 3595614	137162 8318017	344589	677235	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	4430 279538	8917 580928	20775 1353330	49279	103576	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	7077 417367	15113 842202	32169 1902880	78402	159462	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	++++ 129164	3611 269543	9809 610839	21163	47343	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	32545 2054791	70929 4126405	153975 9456083	388536	779366	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	2073 144160	4573 289596	10863 656081	27790	54755	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	8331 514067	19711 1023779	41379 2317200	97848	194236	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	++++ 1529561	54041 3079842	116137 7069791	287816	577069	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	7601 461634	16931 921183	35478 2104154	85966	175340	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	8215 473530	16895 961319	36969 2210029	91702	180501	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	++++ 345766	13597 692524	27661 1611920	67274	131351	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	27309 1610715	56975 3240134	120844 7351164	302612	597636	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	30272 1804171	61019 3638059	135726 8475529	348138	689241	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	26555 1600496	53091 3252296	119327 7583284	307784	600896	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	16261 951017	36068 1955365	74259 4521146	181339	360642	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: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395463

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/11/2018 14:41 Calibration End Date: 01/11/2018 17:38 Calibration ID: 32543

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	++++ 983458	36868 1989925	77013 4514519	185236	366080	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	22002 1329743	49715 2719731	100546 6352008	254265	504069	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	16079 930970	35076 1880551	71196 4245772	173637	345962	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1339 85828	4771 173671	7825 413617	15898	31063	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	++++ 653771	24012 1345445	51598 3048813	124443	249112	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	4483 250527	9557 503273	19626 1196833	49502	93230	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	27422 1641597	55779 3347801	121274 7644841	291603	604223	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	++++ 620017	23773 1274020	46896 2877913	118060	237287	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	243692 250671	248104 251242	246993 256286	249580	245157	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	139166 134654	141912 137939	138731 138670	140726	136475	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	909851 908145	907716 931073	908027 932264	917715	913486	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	331297 327487	331869 342469	327337 349612	334647	325066	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D
 Lims ID: IC 0.4
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 11-Jan-2018 14:41:30 ALS Bottle#: 4 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic 0.4
 Misc. Info.: 480-0068523-006
 Operator ID: RR Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-Jan-2018 13:13:39 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK024

First Level Reviewer: reiler

Date: 12-Jan-2018 09:21:44

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	9.345	9.345	0.000	99	179331	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.752	11.753	-0.001	86	394025	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	-0.001	95	408009	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.823	8.812	0.011	92	243692	25.0	24.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	97	139166	25.0	25.2	
\$ 5 Toluene-d8 (Surr)	98	10.578	10.567	0.011	93	909851	25.0	24.8	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.689	0.000	90	331297	25.0	24.8	
10 Dichlorodifluoromethane	85	4.448	4.460	-0.012	94	7093	0.4000	0.3980	
12 Chloromethane	50	4.886	4.875	0.011	96	10310	0.4000	0.6061	M
13 Vinyl chloride	62	5.100	5.088	0.012	1	9736	0.4000	0.5394	M
151 Butadiene	54	5.147	5.147	0.000	1	7693	0.4000	0.4928	M
14 Bromomethane	94	5.716	5.705	0.011	88	7513	0.4000	0.5181	
15 Chloroethane	64	5.823	5.823	0.000	93	4355	0.4000	0.3944	
16 Dichlorofluoromethane	67	6.108	6.096	0.012	1	12813	0.4000	0.4396	M
17 Trichlorofluoromethane	101	6.179	6.179	0.000	96	12406	0.4000	0.4362	
18 Ethyl ether	59	6.475	6.476	-0.001	92	3835	0.4000	0.3616	
20 Acrolein	56	6.701	6.689	0.012	96	3914	2.00	2.10	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	6	4282	0.4000	0.3078	
22 1,1-Dichloroethene	96	6.807	6.808	-0.001	97	7459	0.4000	0.5377	M
23 Acetone	43	6.855	6.843	0.012	98	11094	2.00	2.47	
25 Iodomethane	142	7.045	7.033	0.012	98	11604	0.4000	0.4265	
26 Carbon disulfide	76	7.128	7.128	0.000	84	25230	0.4000	0.4823	
27 Methyl acetate	43	7.151	7.140	0.011	81	8607	0.8000	0.9556	
28 3-Chloro-1-propene	41	7.175	7.175	0.000	75	10440	0.4000	0.4942	
30 Methylene Chloride	84	7.317	7.317	0.000	1	12879	0.4000	0.7565	M
31 2-Methyl-2-propanol	59	7.341	7.329	0.012	51	6598	4.00	4.41	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	66	20333	0.4000	0.4569	
33 Acrylonitrile	53	7.543	7.531	0.012	1	19384	4.00	4.38	M
34 trans-1,2-Dichloroethene	96	7.555	7.555	-0.001	48	9177	0.4000	0.5827	M
35 Hexane	57	7.721	7.721	0.000	92	7701	0.4000	0.4706	

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	7.898	7.899	-0.001	1	22091	0.8000	0.8424	M
39 1,1-Dichloroethane	63	7.946	7.946	0.000	33	10845	0.4000	0.4325	
43 2-Butanone (MEK)	43	8.408	8.397	0.011	99	13220	2.00	2.19	
44 2,2-Dichloropropane	77	8.444	8.444	0.000	36	11129	0.4000	0.4658	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.000	34	8959	0.4000	0.5066	
48 Chlorobromomethane	128	8.669	8.657	0.012	90	4355	0.4000	0.4861	
49 Tetrahydrofuran	42	8.693	8.681	0.012	52	4568	0.8000	1.19	
50 Chloroform	83	8.681	8.681	0.000	94	14859	0.4000	0.5324	
51 1,1,1-Trichloroethane	97	8.859	8.859	0.000	93	9009	0.4000	0.3691	
52 Cyclohexane	56	8.906	8.907	-0.001	52	7279	0.4000	0.3264	
53 Isobutyl alcohol	43	8.930	8.918	0.012	1	6358	10.0	9.83	M
54 1,1-Dichloropropene	75	8.966	8.966	0.000	1	7952	0.4000	0.3998	M
55 Carbon tetrachloride	117	9.001	9.001	0.000	97	7748	0.4000	0.3496	
57 Benzene	78	9.167	9.167	0.000	93	27804	0.4000	0.4788	M
58 1,2-Dichloroethane	62	9.179	9.179	0.000	1	11263	0.4000	0.5062	
59 n-Heptane	43	9.203	9.203	0.000	87	7310	0.4000	0.4943	
62 Trichloroethene	95	9.642	9.642	0.000	95	6897	0.4000	0.4278	
64 Methylcyclohexane	83	9.796	9.796	0.000	1	6978	0.4000	0.3233	M
65 1,2-Dichloropropane	63	9.843	9.843	0.000	1	6361	0.4000	0.4537	M
66 1,4-Dioxane	88		9.903				ND	ND	
67 Dibromomethane	93	9.974	9.962	0.012	93	4847	0.4000	0.4819	
68 Dichlorobromomethane	83	10.033	10.033	0.000	97	9429	0.4000	0.4390	
69 2-Chloroethyl vinyl ether	63	10.163	10.164	-0.001	83	3069	0.4000	0.3695	
72 cis-1,3-Dichloropropene	75	10.353	10.353	0.000	53	10278	0.4000	0.4285	
73 4-Methyl-2-pentanone (MIBK)	43	10.401	10.389	0.012	95	25646	2.00	2.09	
74 Toluene	92	10.626	10.626	0.000	70	15830	0.4000	0.4192	
75 Ethyl methacrylate	69	10.709	10.697	0.012	86	6026	0.4000	0.3769	
77 trans-1,3-Dichloropropene	75	10.768	10.768	0.000	1	9896	0.4000	0.4308	M
79 1,1,2-Trichloroethane	83	10.946	10.946	0.000	86	4799	0.4000	0.4454	
80 2-Hexanone	43	11.029	11.029	0.000	95	18608	2.00	2.07	
81 Tetrachloroethene	166	11.076	11.077	-0.001	66	6956	0.4000	0.3934	
82 1,3-Dichloropropane	76	11.088	11.088	0.000	58	9946	0.4000	0.4461	
83 Chlorodibromomethane	129	11.314	11.314	0.000	85	7274	0.4000	0.4222	
84 Ethylene Dibromide	107	11.444	11.444	0.000	97	5879	0.4000	0.4225	
87 Chlorobenzene	112	11.776	11.776	0.000	42	19343	0.4000	0.4268	
88 Ethylbenzene	91	11.788	11.788	0.000	94	29441	0.4000	0.4201	M
89 1,1,1,2-Tetrachloroethane	131	11.812	11.812	0.000	72	7273	0.4000	0.4237	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	95	12010	0.4000	0.4242	
91 o-Xylene	106	12.215	12.215	0.000	97	11274	0.4000	0.4058	
92 Styrene	104	12.227	12.227	0.000	1	18270	0.4000	0.4034	M
94 Isopropylbenzene	105	12.488	12.488	0.000	77	28085	0.4000	0.4040	
95 Bromoform	173	12.500	12.500	0.000	47	4430	0.4000	0.4076	
97 1,1,2,2-Tetrachloroethane	83	12.760	12.761	-0.001	89	7077	0.4000	0.4323	
98 trans-1,4-Dichloro-2-buten	53	12.796	12.796	0.000	1	1374	0.4000	0.2873	
99 N-Propylbenzene	91	12.843	12.844	-0.001	98	32545	0.4000	0.4109	M
100 1,2,3-Trichloropropane	110	12.855	12.844	0.011	49	2073	0.4000	0.3804	
101 Bromobenzene	156	12.879	12.891	-0.012	88	8331	0.4000	0.4118	
102 1,3,5-Trimethylbenzene	105	12.950	12.950	0.000	93	25131	0.4000	0.4259	
103 2-Chlorotoluene	126	13.009	12.998	0.011	95	7601	0.4000	0.4223	
105 4-Chlorotoluene	126	13.092	13.093	-0.001	97	8215	0.4000	0.4378	
106 tert-Butylbenzene	134	13.294	13.282	0.012	92	6250	0.4000	0.4555	
107 1,2,4-Trimethylbenzene	105	13.330	13.330	0.000	94	27309	0.4000	0.4365	

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	13.484	13.484	0.000	93	30272	0.4000	0.4298	
110 4-Isopropyltoluene	119	13.579	13.579	0.000	97	26555	0.4000	0.4272	
111 1,3-Dichlorobenzene	146	13.709	13.709	0.000	95	16261	0.4000	0.4285	
113 1,4-Dichlorobenzene	146	13.780	13.780	0.000	93	18907	0.4000	0.4933	
115 n-Butylbenzene	91	13.994	13.994	0.000	97	22002	0.4000	0.4187	M
116 1,2-Dichlorobenzene	146	14.195	14.195	0.000	95	16079	0.4000	0.4394	
117 1,2-Dibromo-3-Chloropropan	75	15.061	15.061	0.000	70	1339	0.4000	0.3704	M
119 1,2,4-Trichlorobenzene	180	16.104	16.105	-0.001	94	12711	0.4000	0.4949	
120 Hexachlorobutadiene	225	16.223	16.223	0.000	85	4483	0.4000	0.4452	
121 Naphthalene	128	16.531	16.532	-0.001	60	27422	0.4000	0.4349	
122 1,2,3-Trichlorobenzene	180	16.899	16.887	0.012	94	11961	0.4000	0.4913	
S 125 1,2-Dichloroethene, Total	1				0			1.09	
S 126 1,3-Dichloropropene, Total	1				0			0.8593	
S 123 Total BTEX	1				0			2.15	
S 124 Xylenes, Total	1				0			0.8299	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00118	Amount Added: 0.40	Units: uL	
GAS CORP mix_00259	Amount Added: 0.40	Units: uL	
C_8260_IS_00105	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00121	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180111-68523.b\\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Operator ID: RR

Lims ID: IC 0.4

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

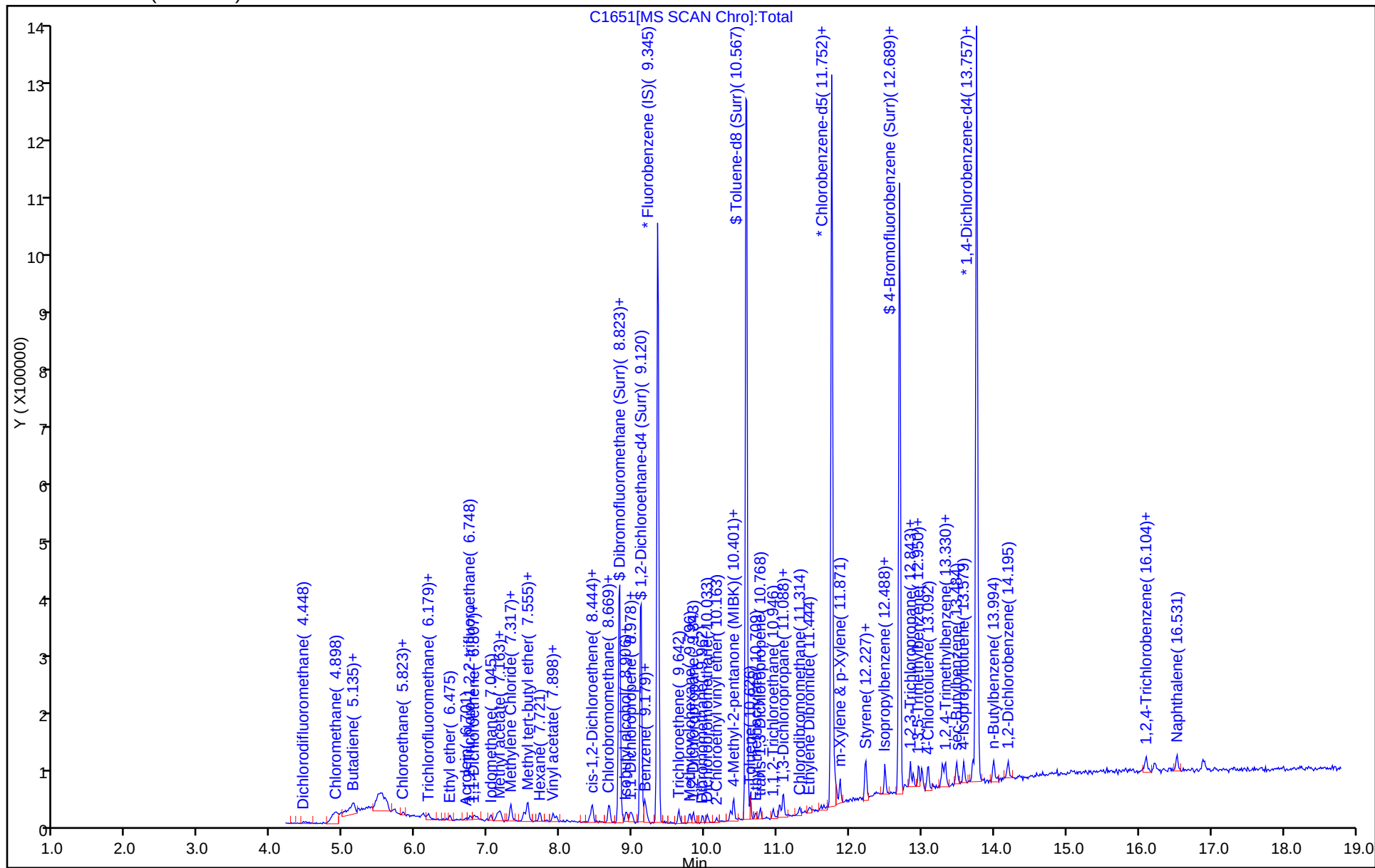
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

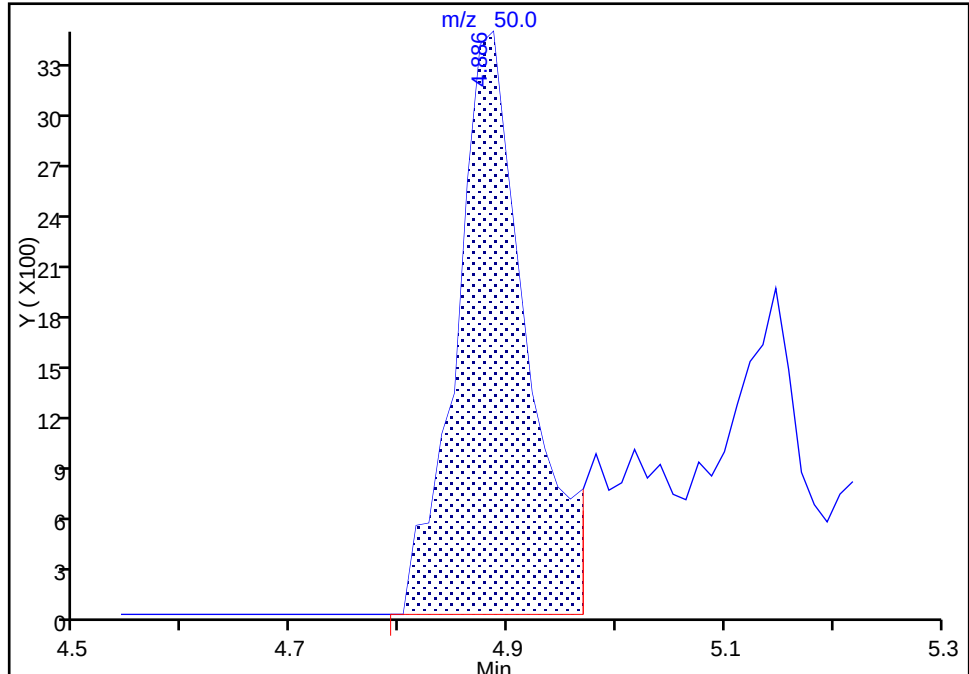
Detector: MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

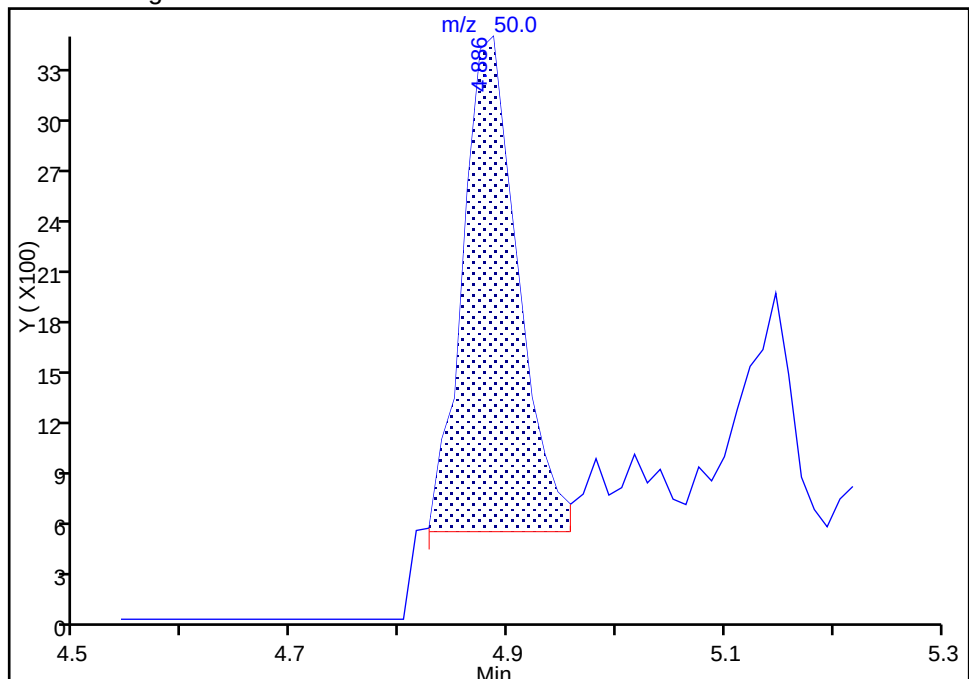
RT: 4.89
Area: 15625
Amount: 0.812970
Amount Units: ug/L

Processing Integration Results



RT: 4.89
Area: 10310
Amount: 0.606130
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:37:32

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

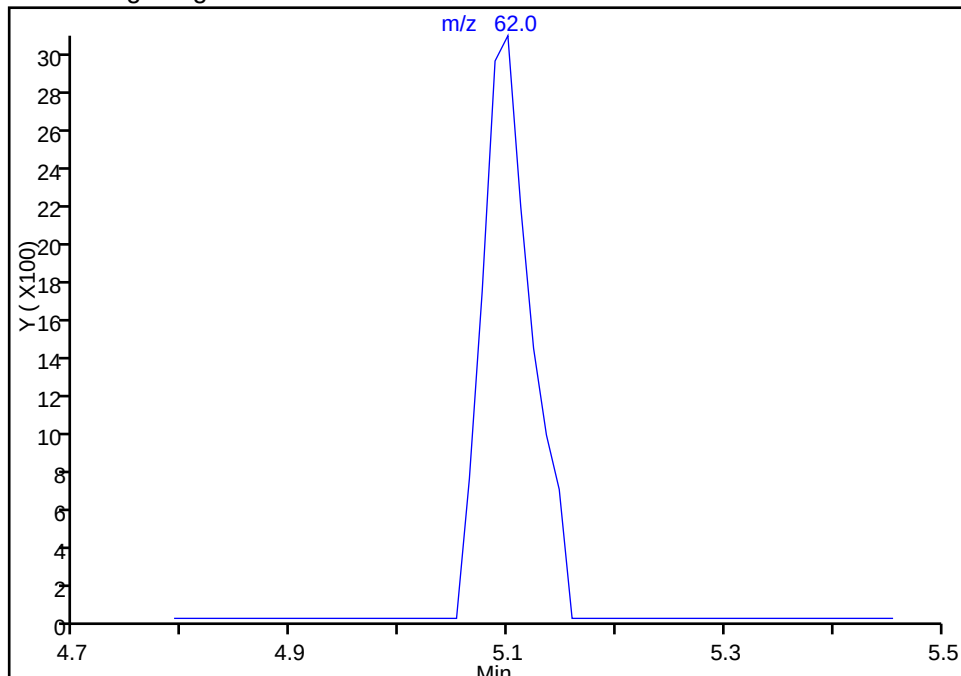
13 Vinyl chloride, CAS: 75-01-4

Signal: 1

Not Detected

Expected RT: 5.09

Processing Integration Results



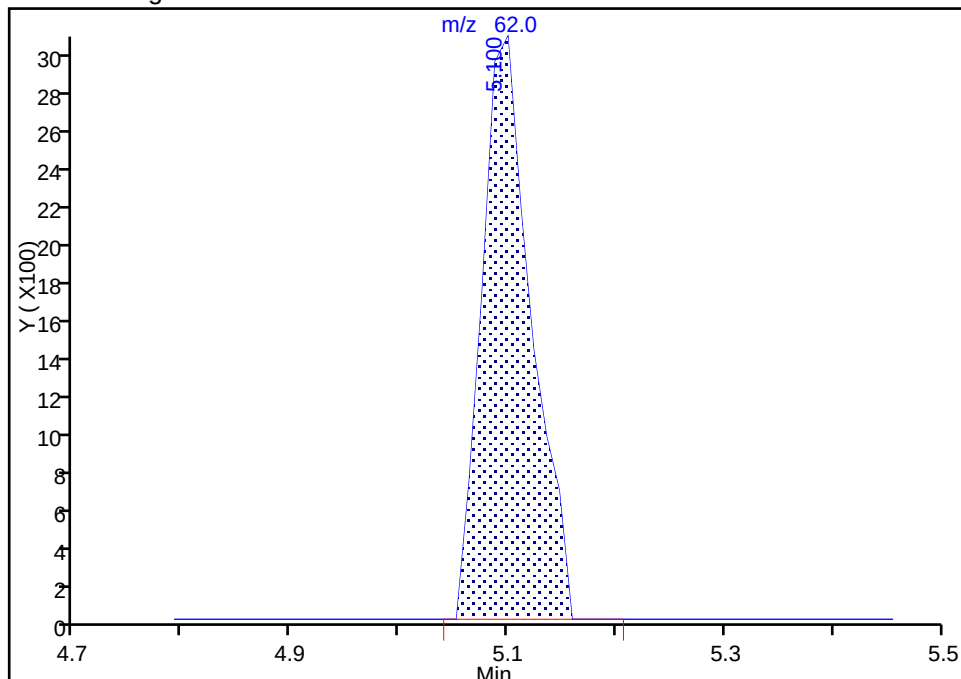
RT: 5.10

Area: 9736

Amount: 0.539406

Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:24:12

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

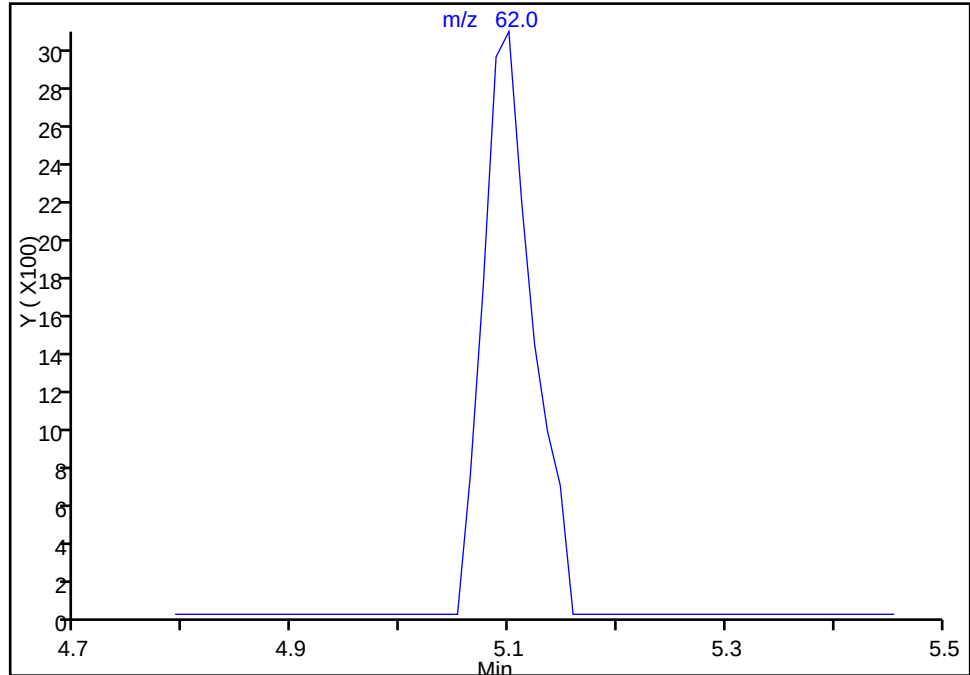
13 Vinyl chloride, CAS: 75-01-4

Signal: 1

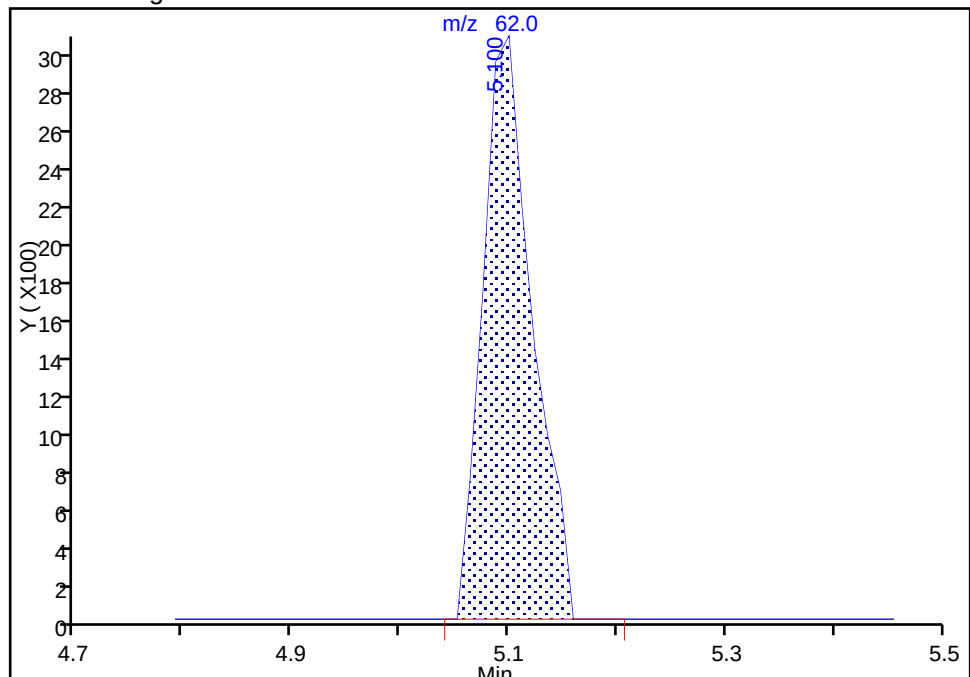
Not Detected

Expected RT: 5.09

Processing Integration Results



Manual Integration Results



RT: 5.10

Area: 9736

Amount: 0.539406

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:24:15

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

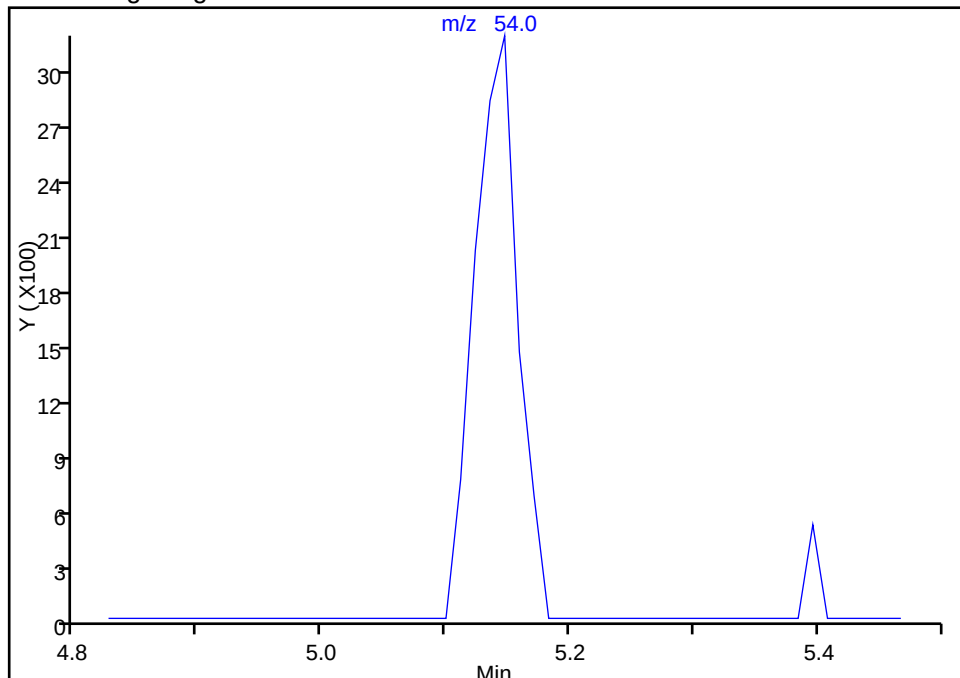
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D
Injection Date: 11-Jan-2018 14:41:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RR ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

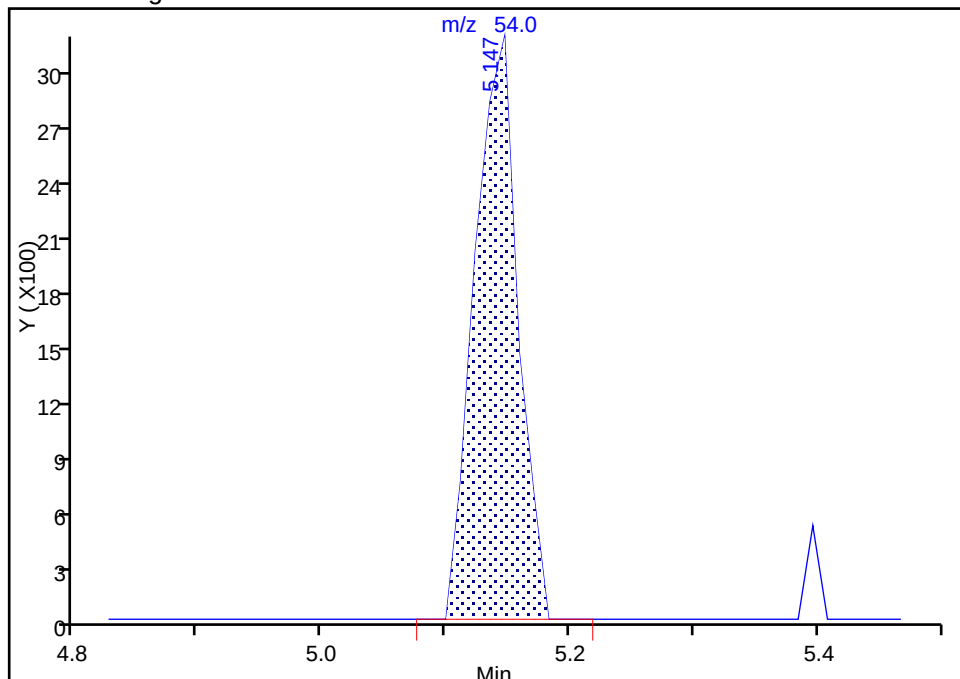
Not Detected
Expected RT: 5.15

Processing Integration Results



RT: 5.15
Area: 7693
Amount: 0.492803
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:24:17
Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

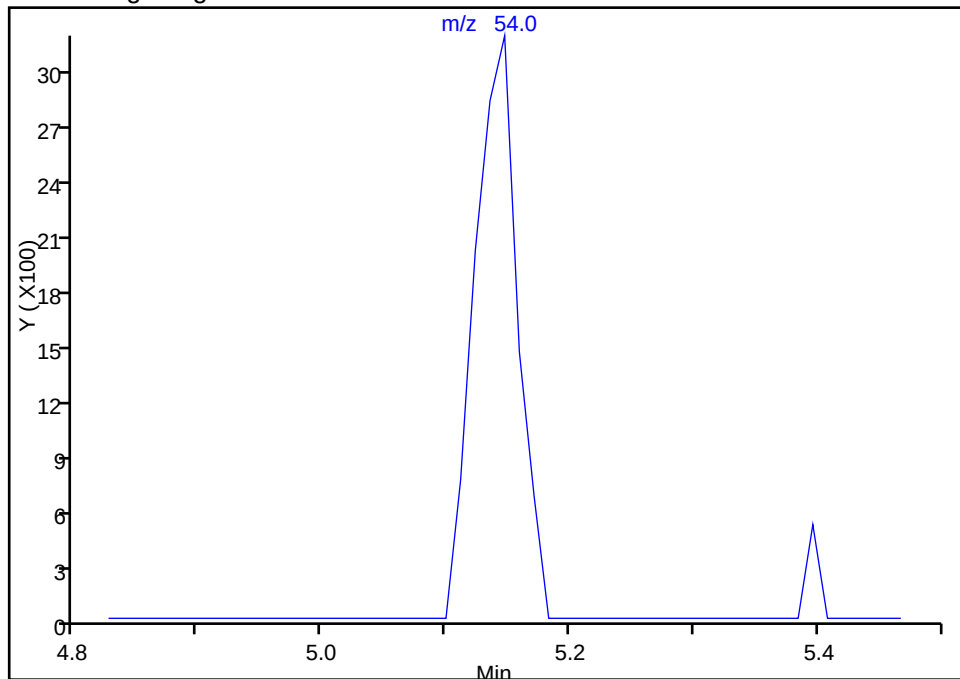
151 Butadiene, CAS: 106-99-0

Signal: 1

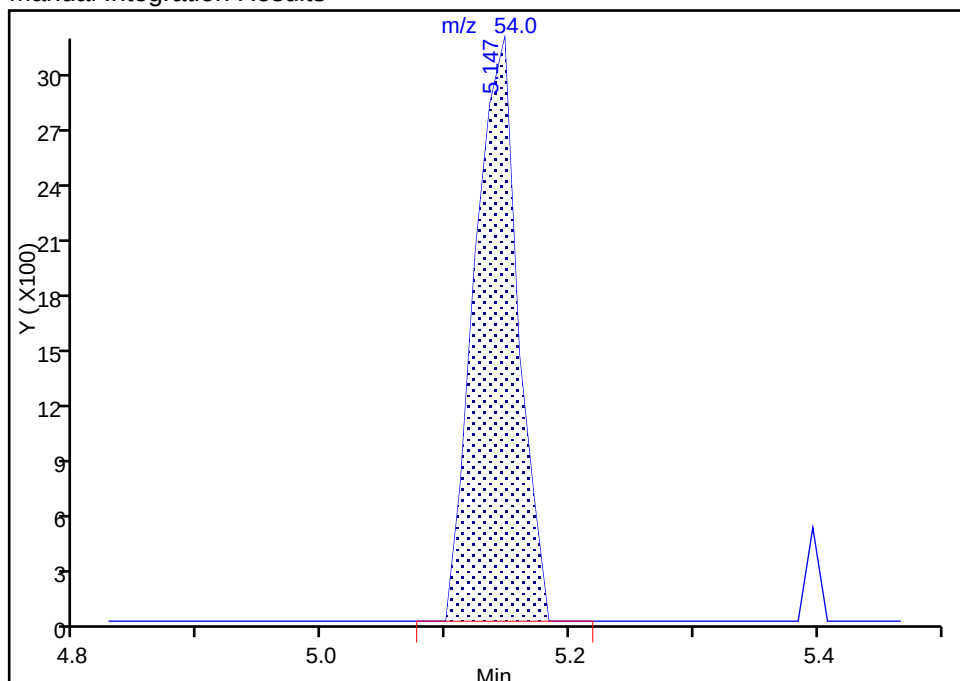
Not Detected

Expected RT: 5.15

Processing Integration Results



Manual Integration Results



RT: 5.15

Area: 7693

Amount: 0.492803

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:24:19

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

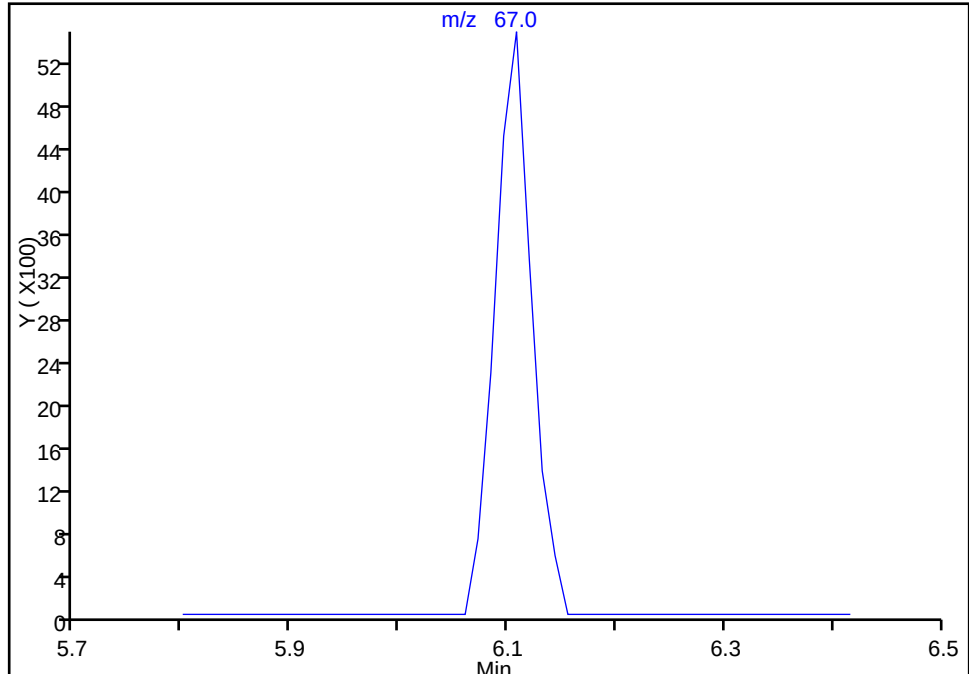
Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D		
Injection Date:	11-Jan-2018 14:41:30	Instrument ID:	HP5973C
Lims ID:	IC 0.4		
Client ID:			
Operator ID:	RR	ALS Bottle#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	C-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	6

16 Dichlorofluoromethane, CAS: 75-43-4

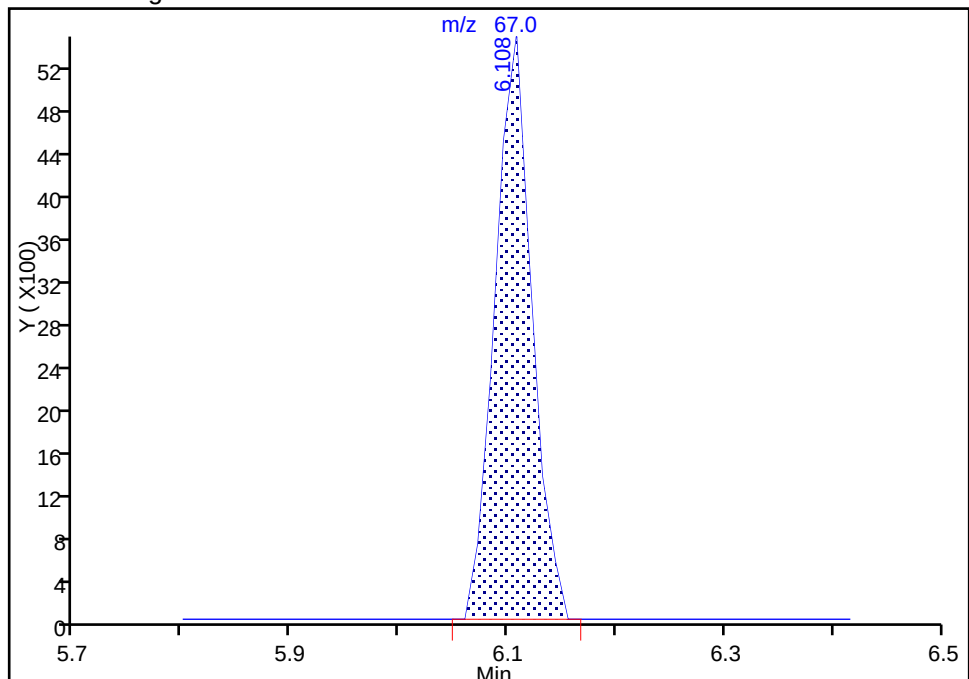
Signal: 1

Not Detected
Expected RT: 6.10

Processing Integration Results

RT: 6.11
Area: 12813
Amount: 0.439641
Amount Units: ug/L

Manual Integration Results

Reviewer: reiler, 12-Jan-2018 09:24:24
Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

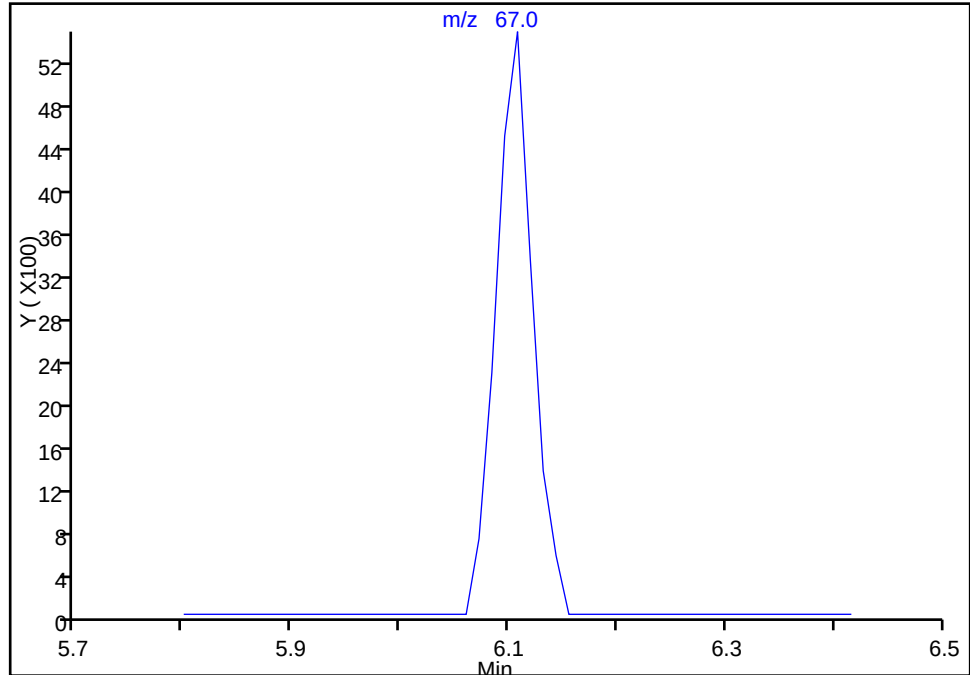
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D
Injection Date: 11-Jan-2018 14:41:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RR ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

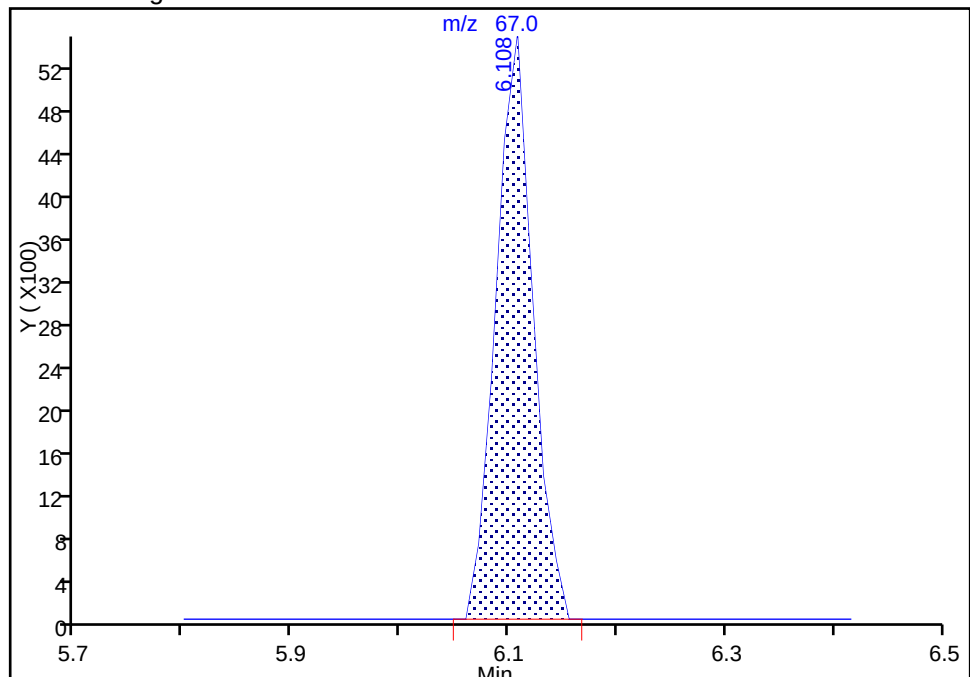
Signal: 1

Not Detected
Expected RT: 6.10

Processing Integration Results



Manual Integration Results



RT: 6.11
Area: 12813
Amount: 0.439641
Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:24:26

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

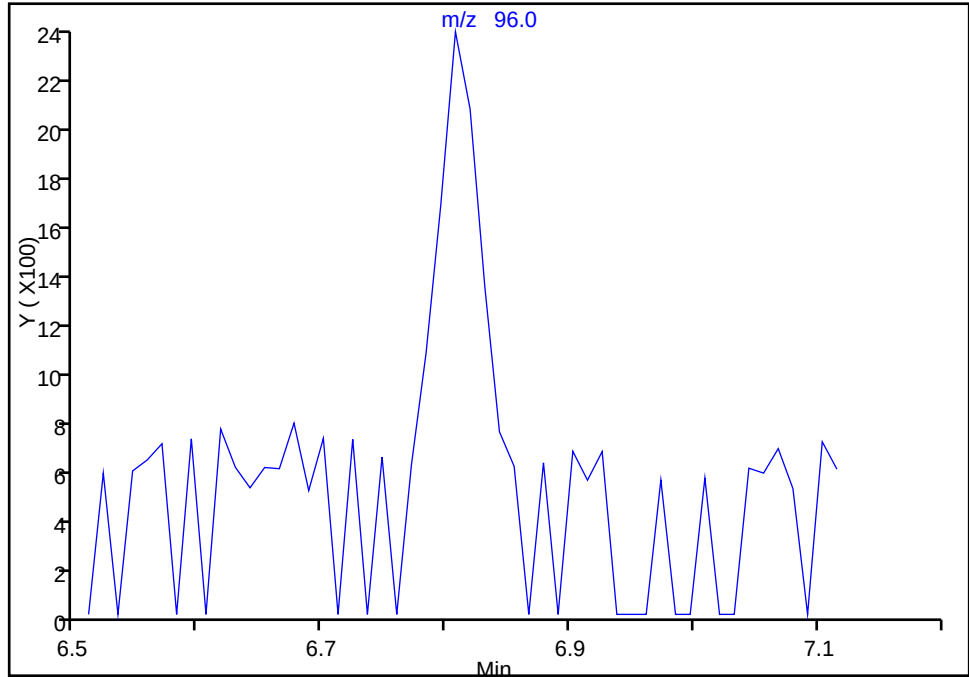
22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

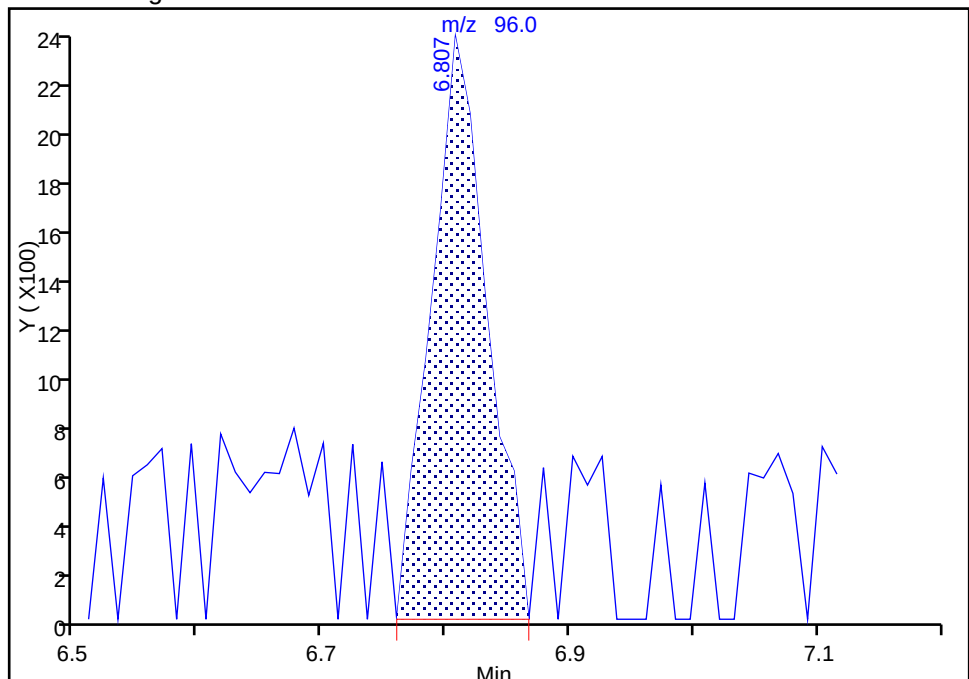
Not Detected

Expected RT: 6.81

Processing Integration Results



Manual Integration Results



RT: 6.81

Area: 7459

Amount: 0.537667

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:24:35

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

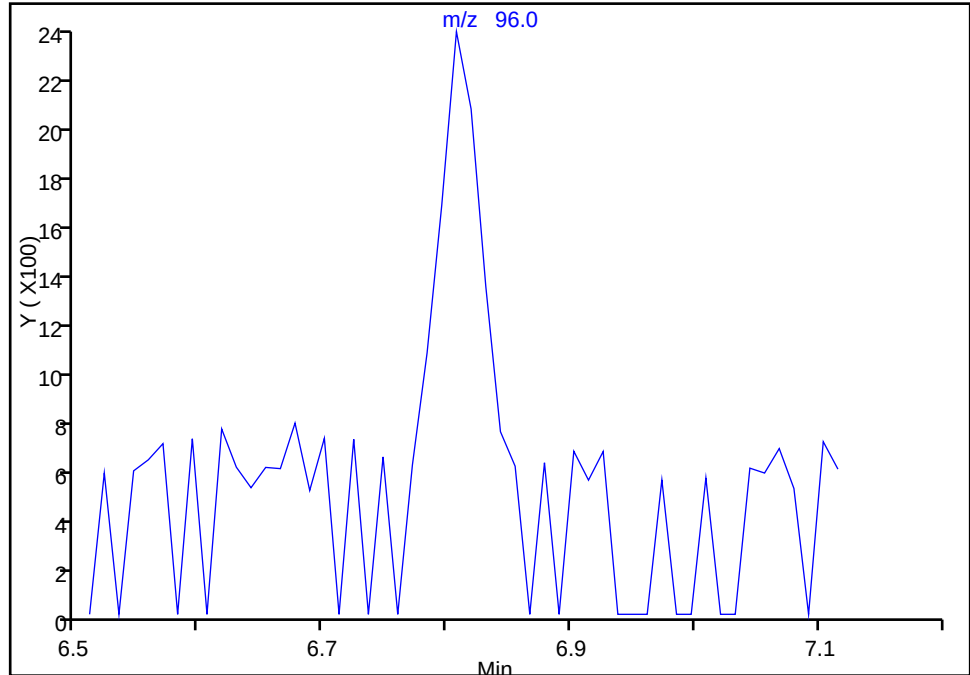
22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

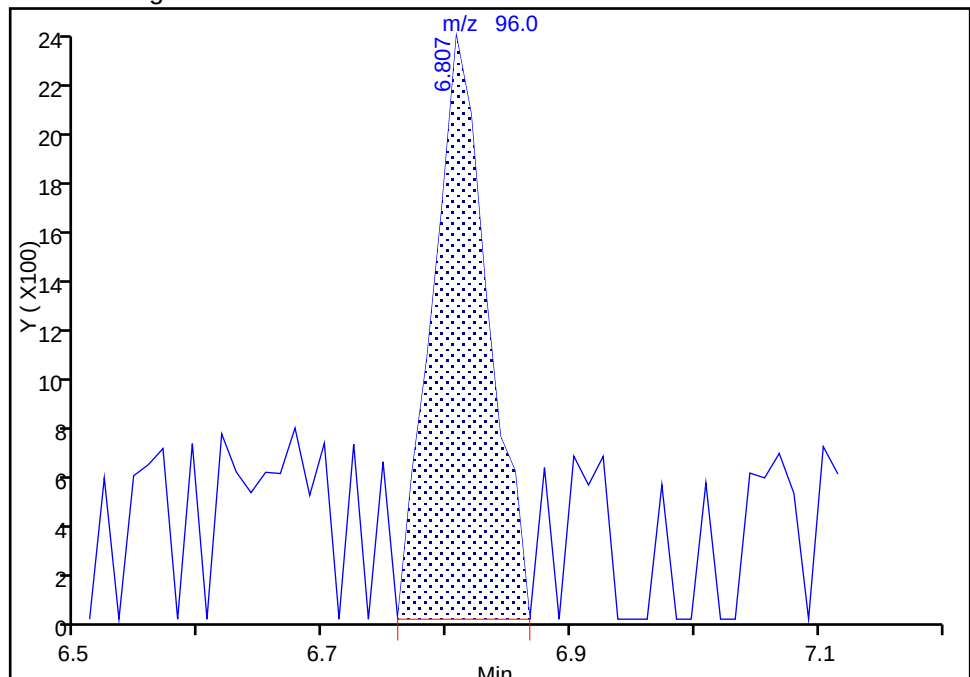
Not Detected

Expected RT: 6.81

Processing Integration Results



Manual Integration Results



RT: 6.81

Area: 7459

Amount: 0.537667

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:24:40

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

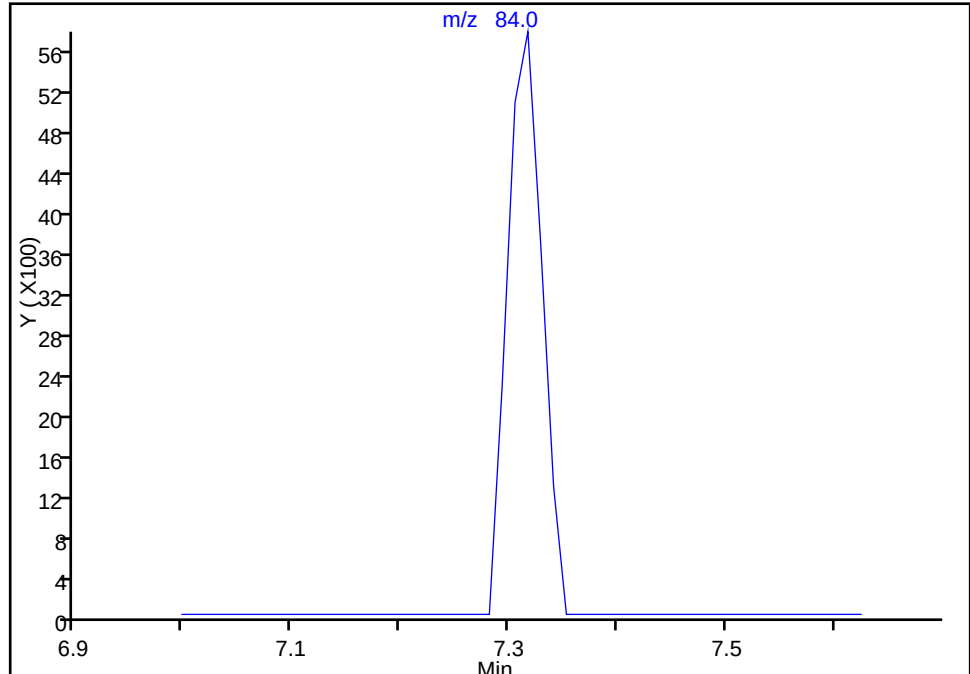
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D
Injection Date: 11-Jan-2018 14:41:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RR ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

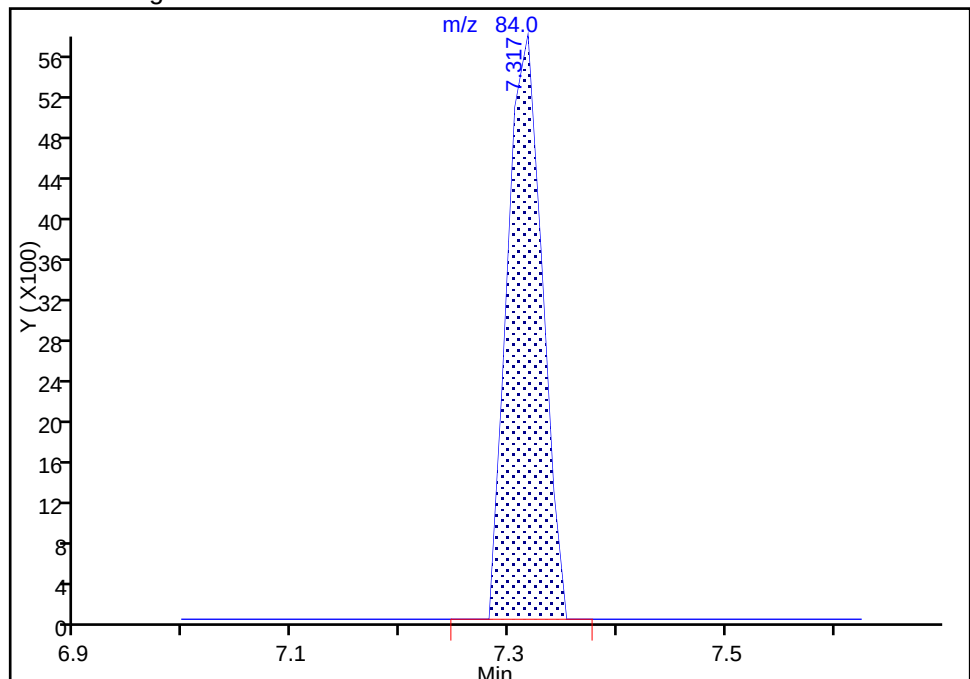
Not Detected
Expected RT: 7.32

Processing Integration Results



RT: 7.32
Area: 12879
Amount: 0.756451
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:24:51
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

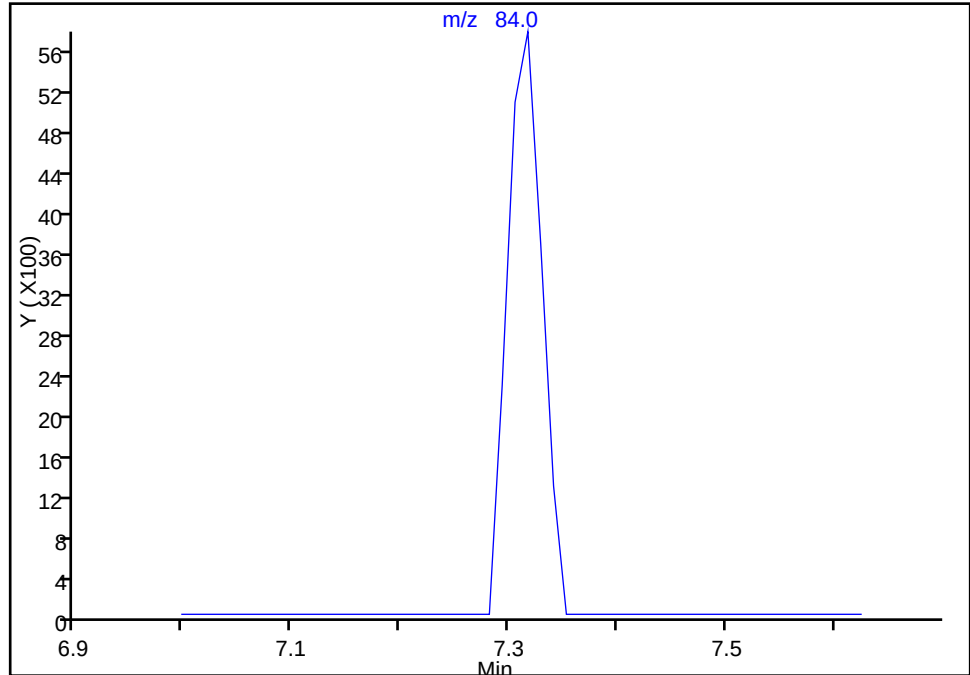
30 Methylene Chloride, CAS: 75-09-2

Signal: 1

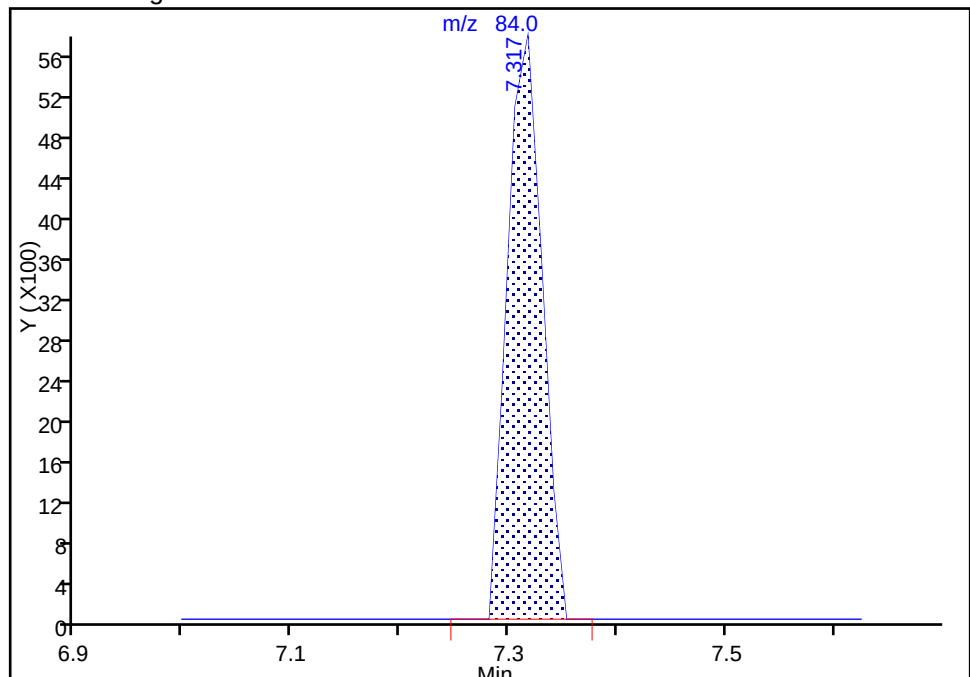
Not Detected

Expected RT: 7.32

Processing Integration Results



Manual Integration Results



RT: 7.32

Area: 12879

Amount: 0.756451

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:24:53

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

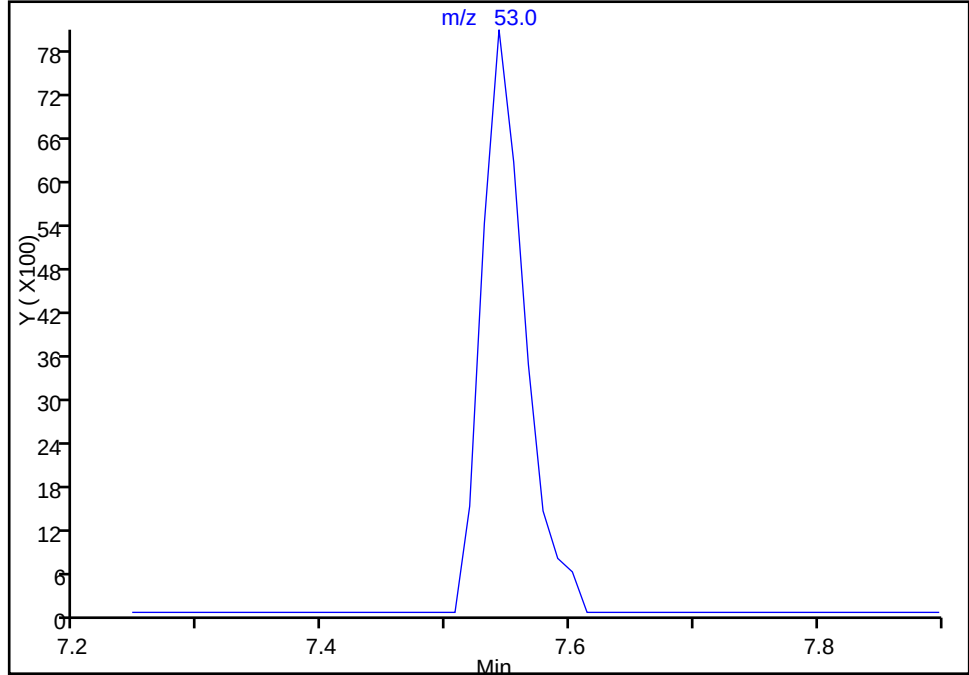
33 Acrylonitrile, CAS: 107-13-1

Signal: 1

Not Detected

Expected RT: 7.53

Processing Integration Results



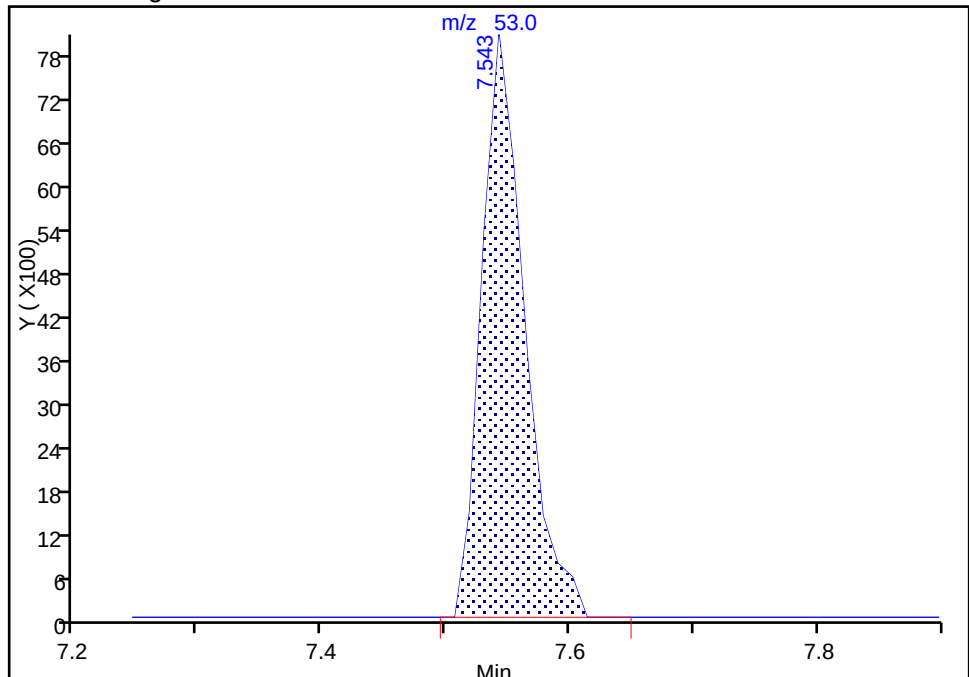
RT: 7.54

Area: 19384

Amount: 4.384937

Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:25:01

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#:

6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

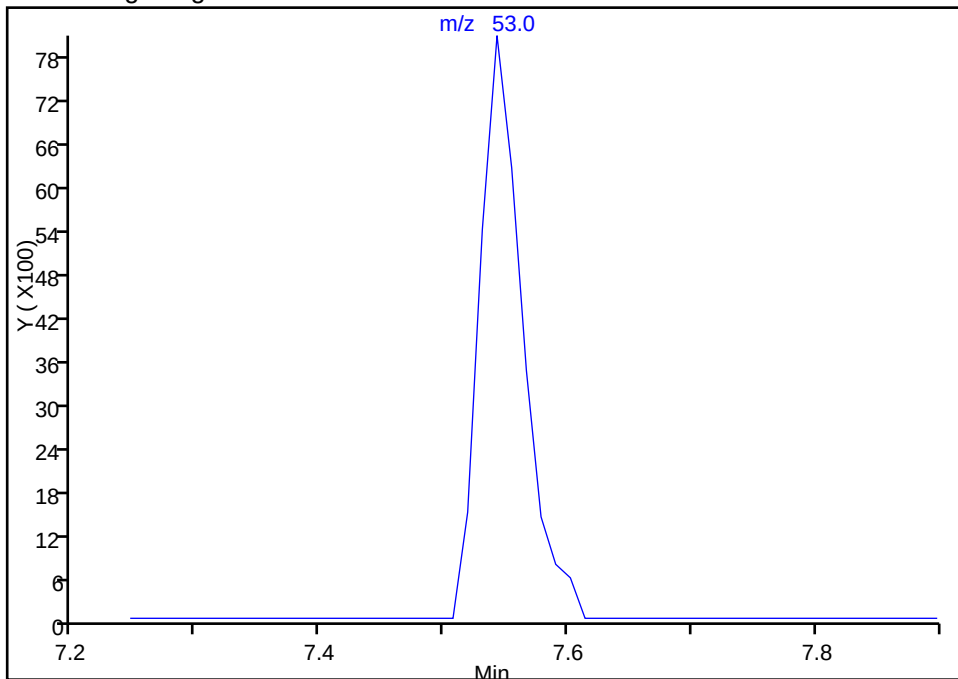
33 Acrylonitrile, CAS: 107-13-1

Signal: 1

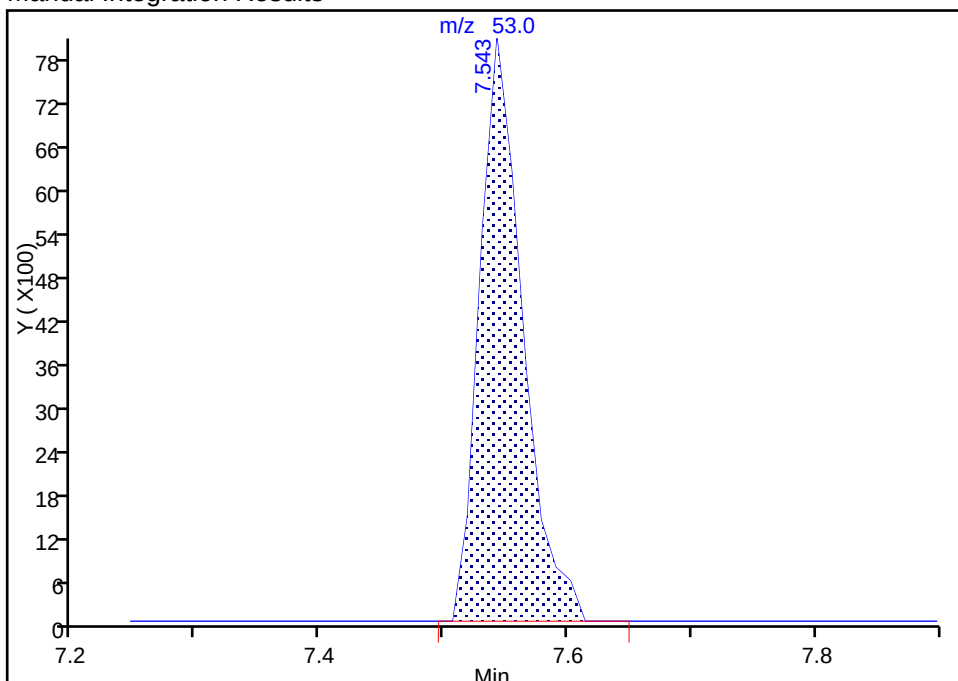
Not Detected

Expected RT: 7.53

Processing Integration Results



Manual Integration Results



RT: 7.54

Area: 19384

Amount: 4.384937

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:25:02

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

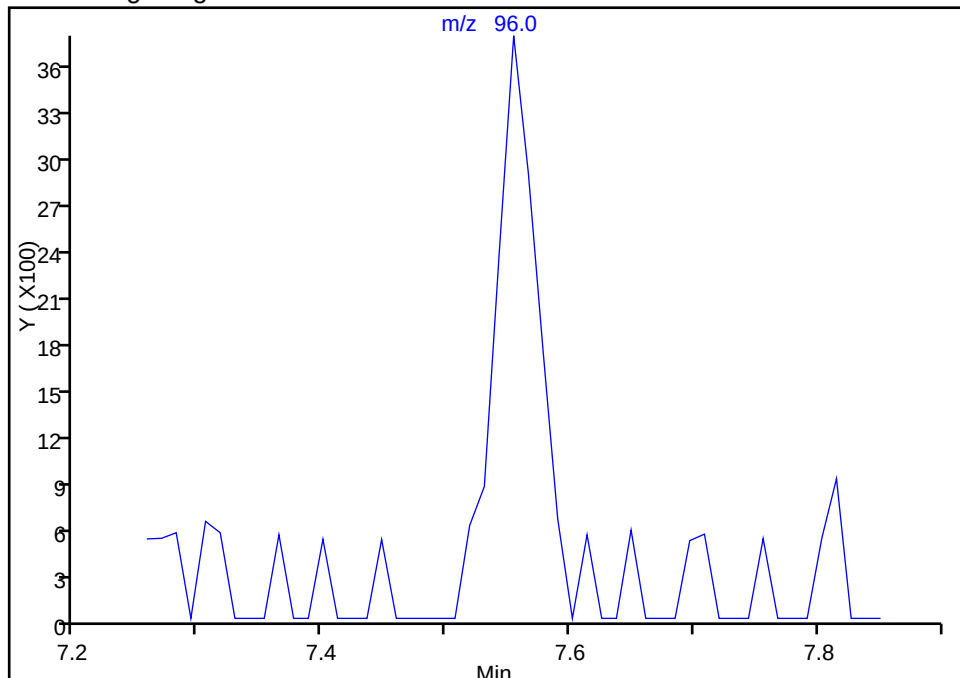
34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

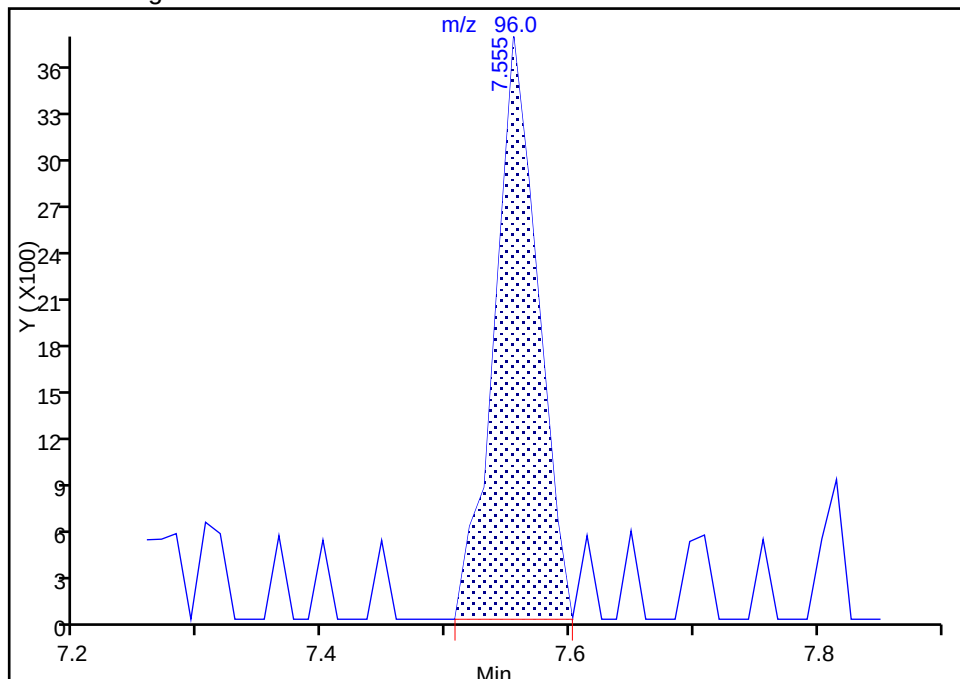
Not Detected

Expected RT: 7.55

Processing Integration Results



Manual Integration Results



RT: 7.55

Area: 9177

Amount: 0.582664

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:25:05

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180111-68523.b\\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

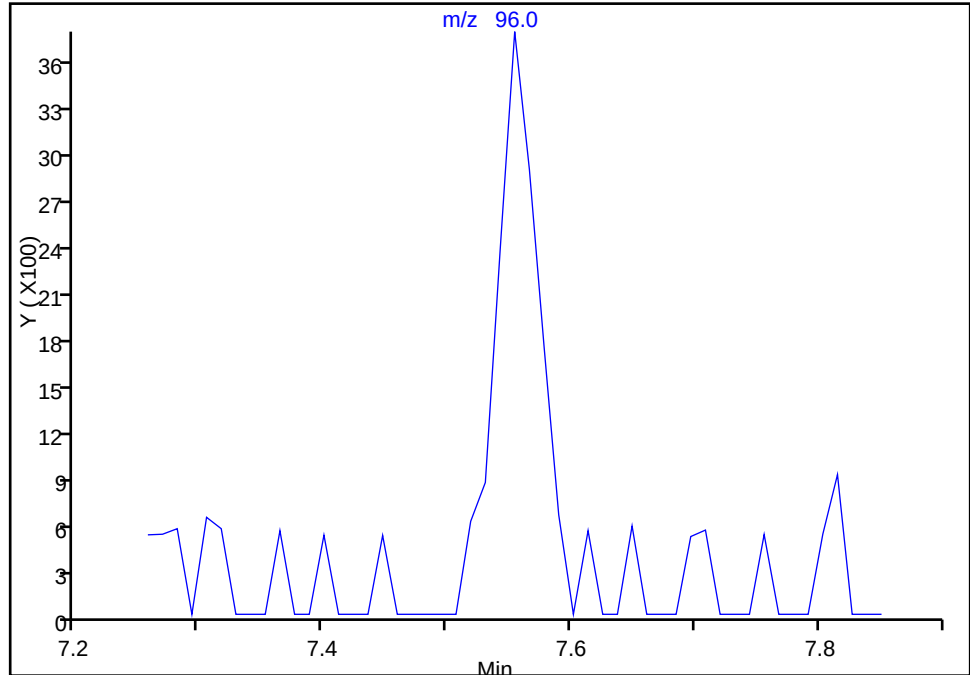
34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

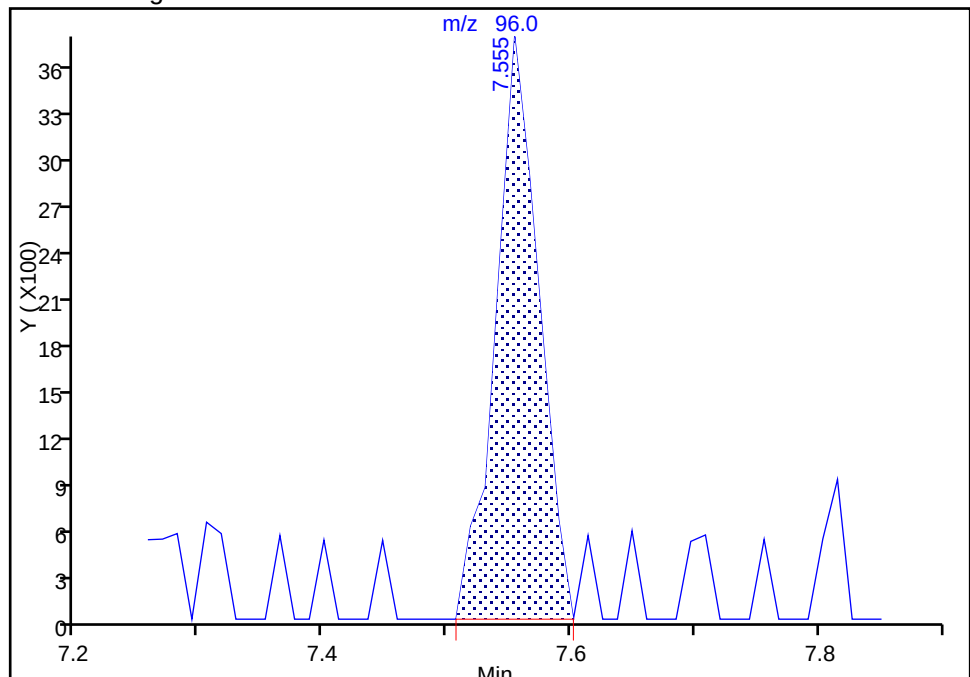
Not Detected

Expected RT: 7.55

Processing Integration Results



Manual Integration Results



RT: 7.55

Area: 9177

Amount: 0.582664

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:25:10

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

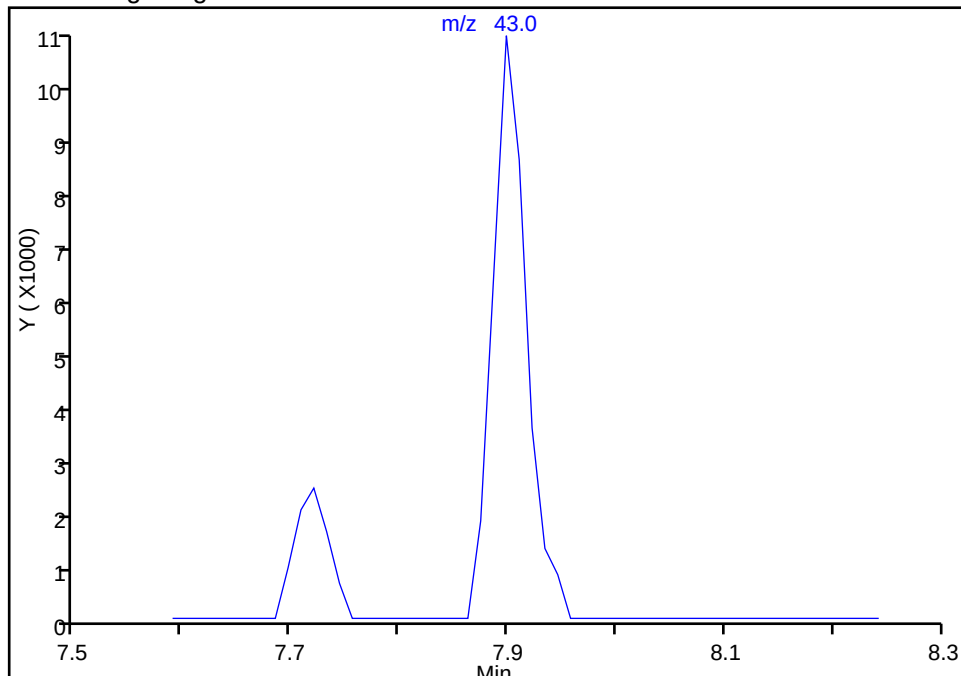
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D
Injection Date: 11-Jan-2018 14:41:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RR ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

37 Vinyl acetate, CAS: 108-05-4

Signal: 1

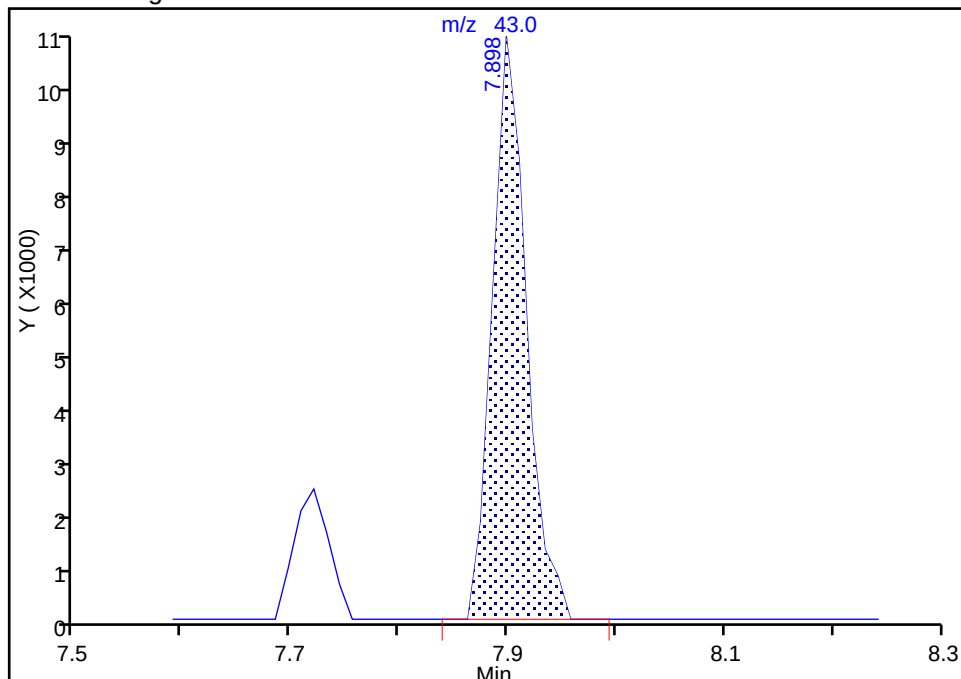
Not Detected
Expected RT: 7.90

Processing Integration Results



RT: 7.90
Area: 22091
Amount: 0.842440
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:25:13
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

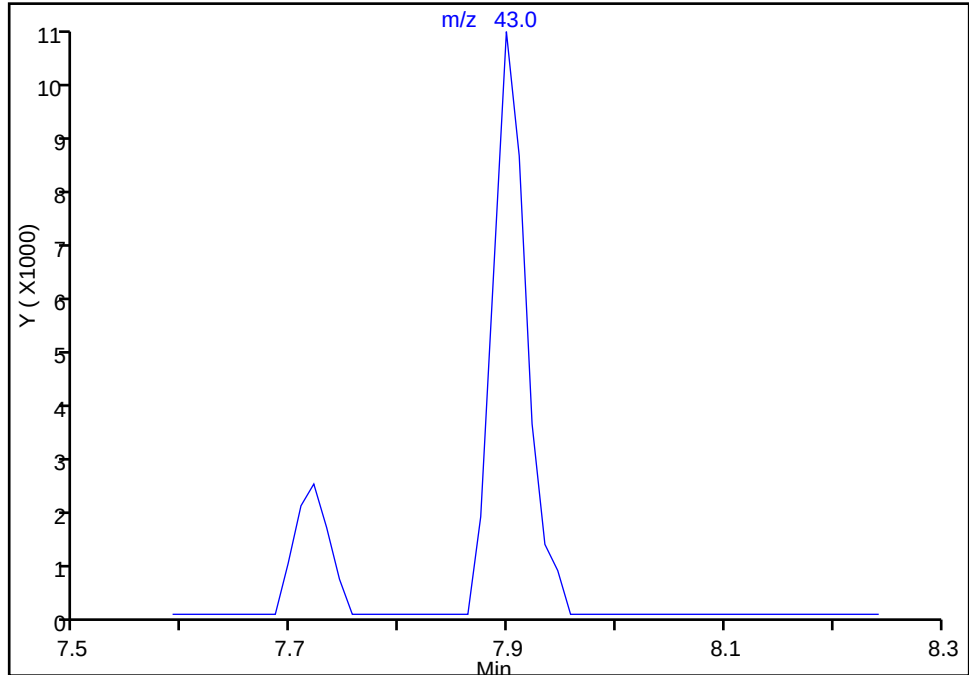
37 Vinyl acetate, CAS: 108-05-4

Signal: 1

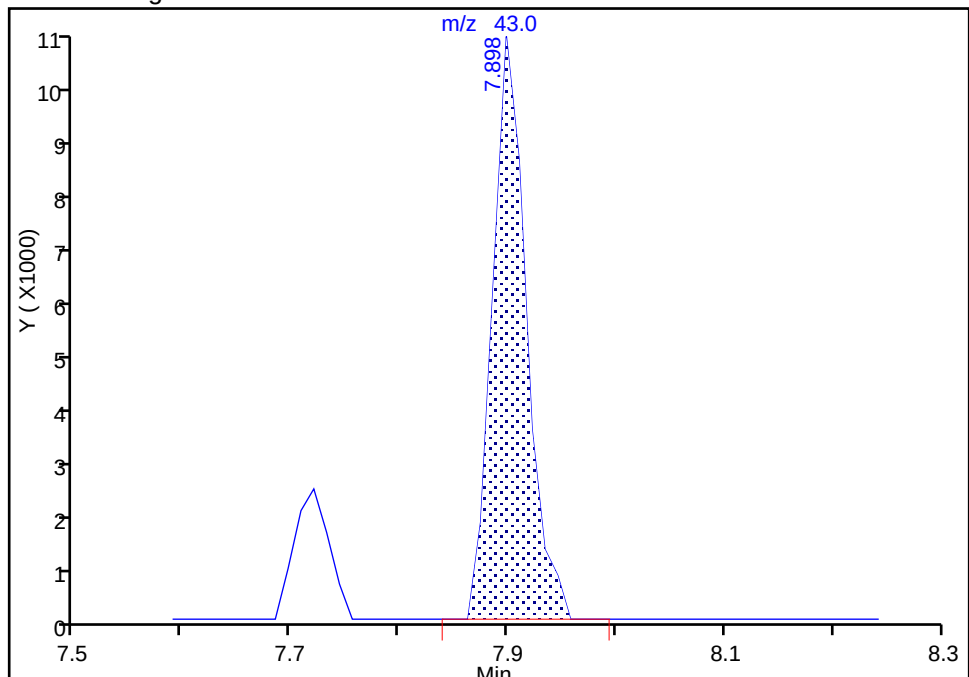
Not Detected

Expected RT: 7.90

Processing Integration Results



Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:25:16

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

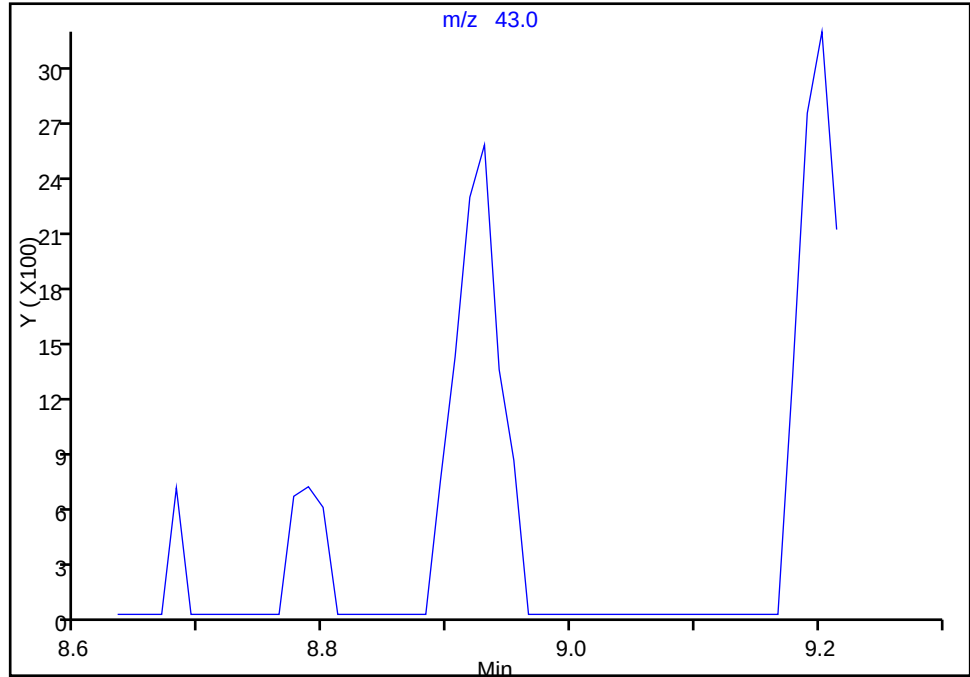
53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

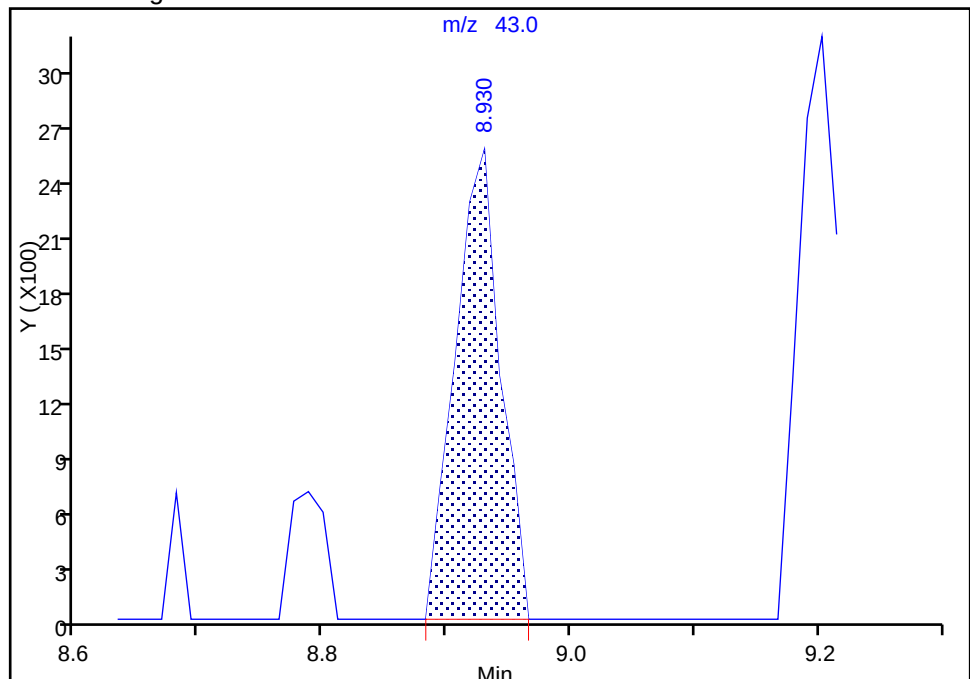
Not Detected

Expected RT: 8.92

Processing Integration Results



Manual Integration Results



RT: 8.93

Area: 6358

Amount: 9.827520

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:25:52

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

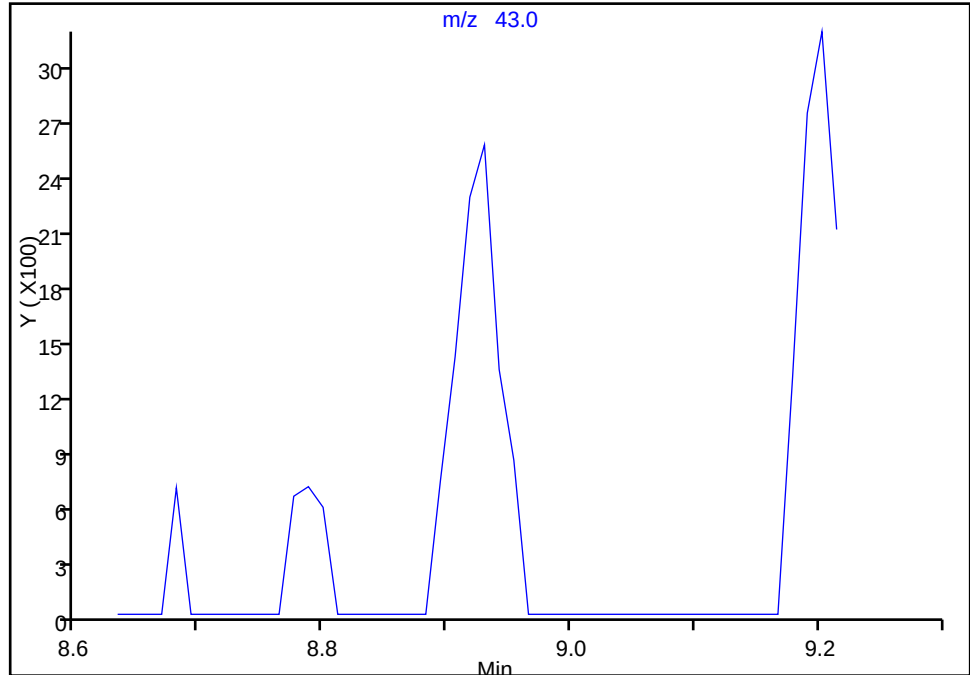
53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

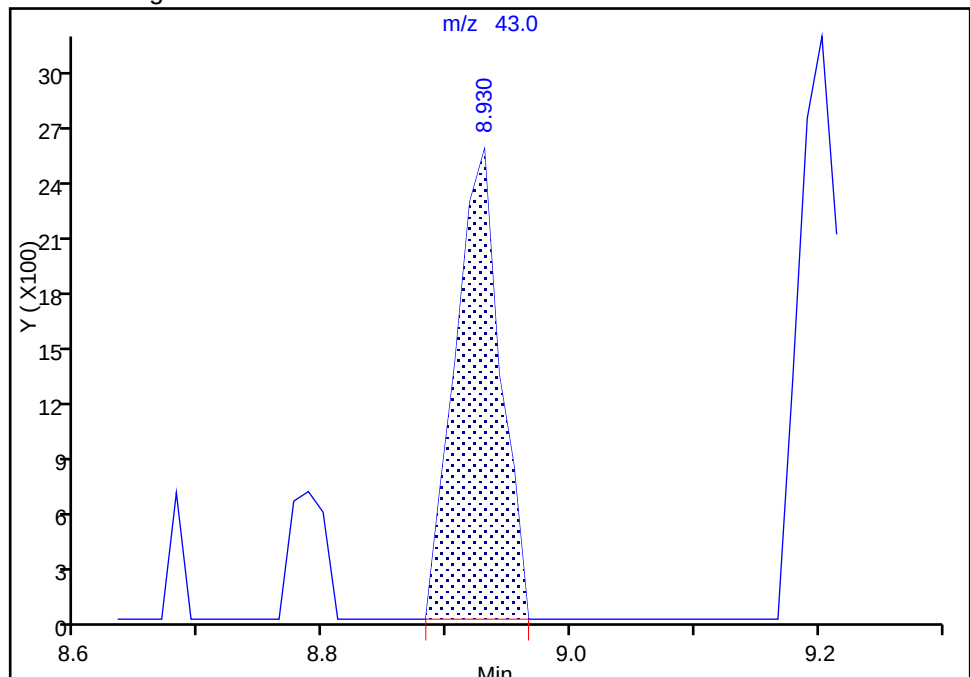
Not Detected

Expected RT: 8.92

Processing Integration Results



Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:25:54

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

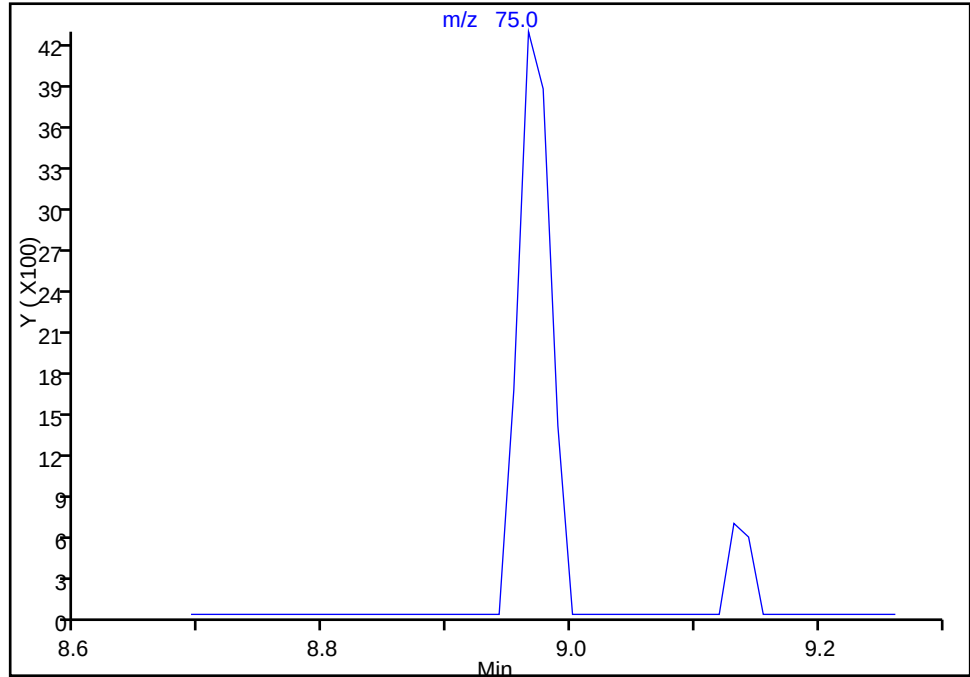
54 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

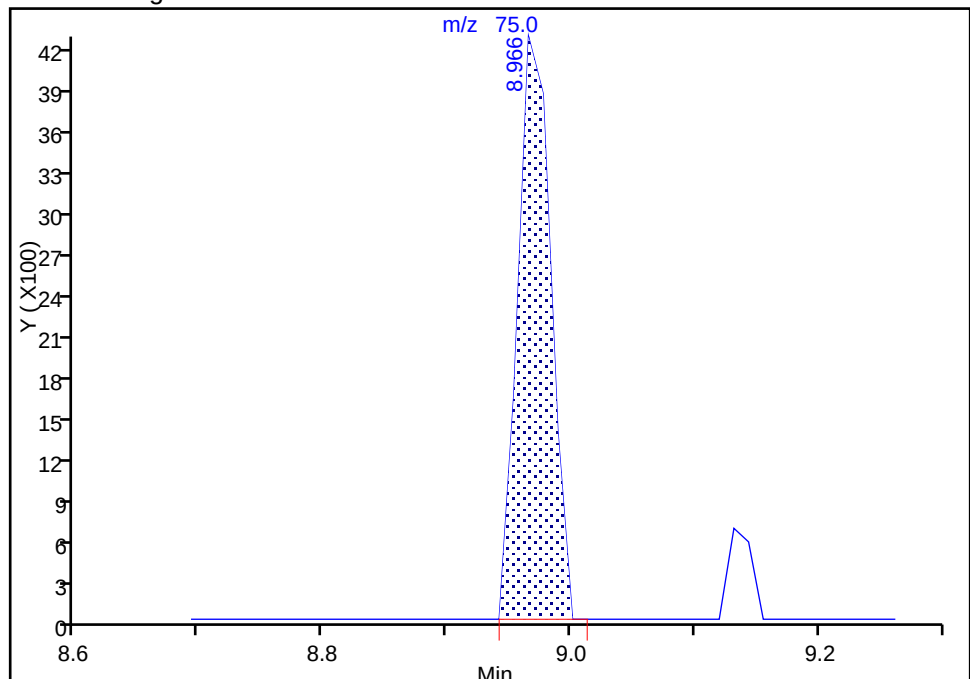
Not Detected

Expected RT: 8.97

Processing Integration Results



Manual Integration Results



RT: 8.97

Area: 7952

Amount: 0.399777

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:25:59

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

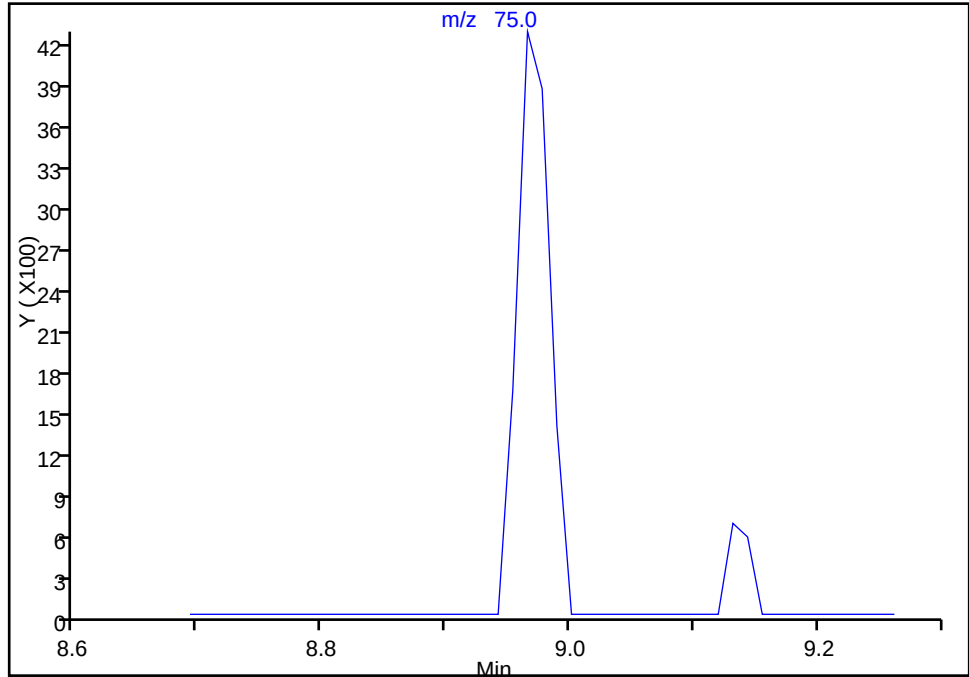
54 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

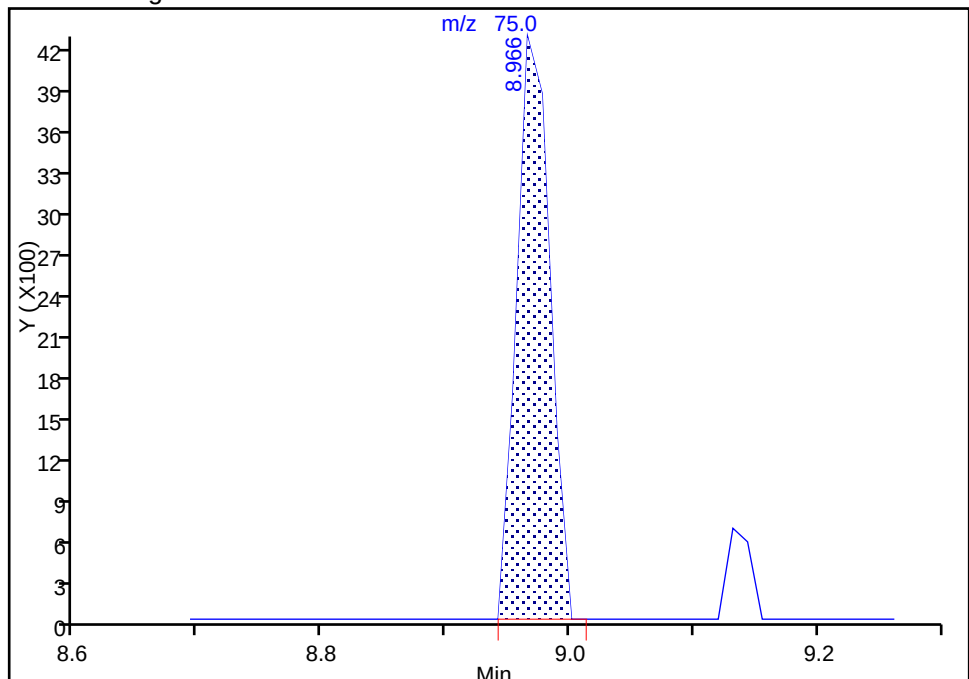
Not Detected

Expected RT: 8.97

Processing Integration Results



Manual Integration Results



RT: 8.97

Area: 7952

Amount: 0.399777

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:26:00

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

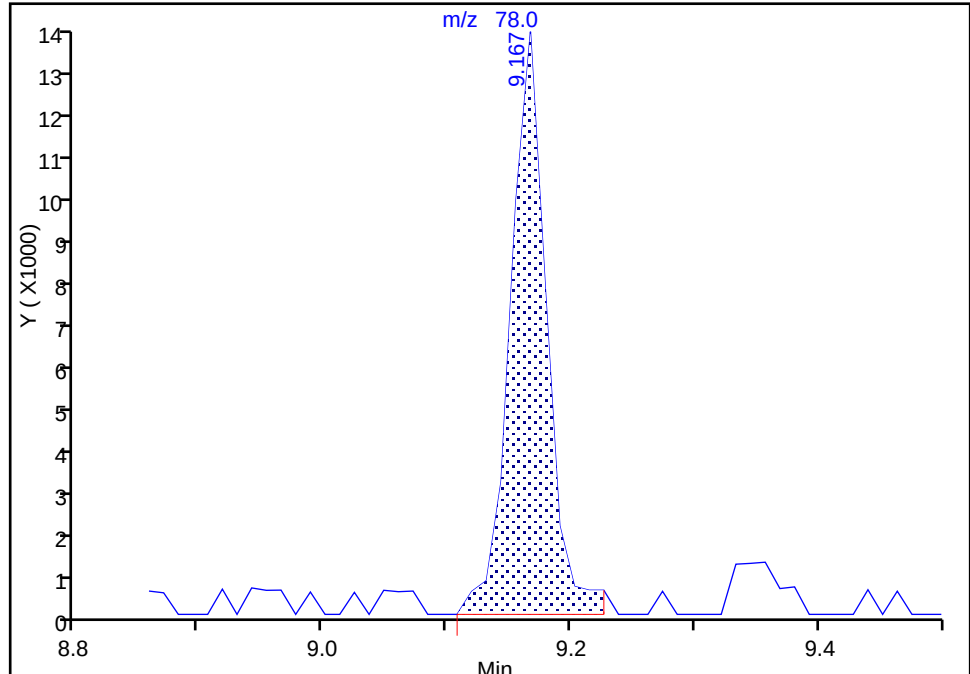
Detector: MS SCAN

57 Benzene, CAS: 71-43-2

Signal: 1

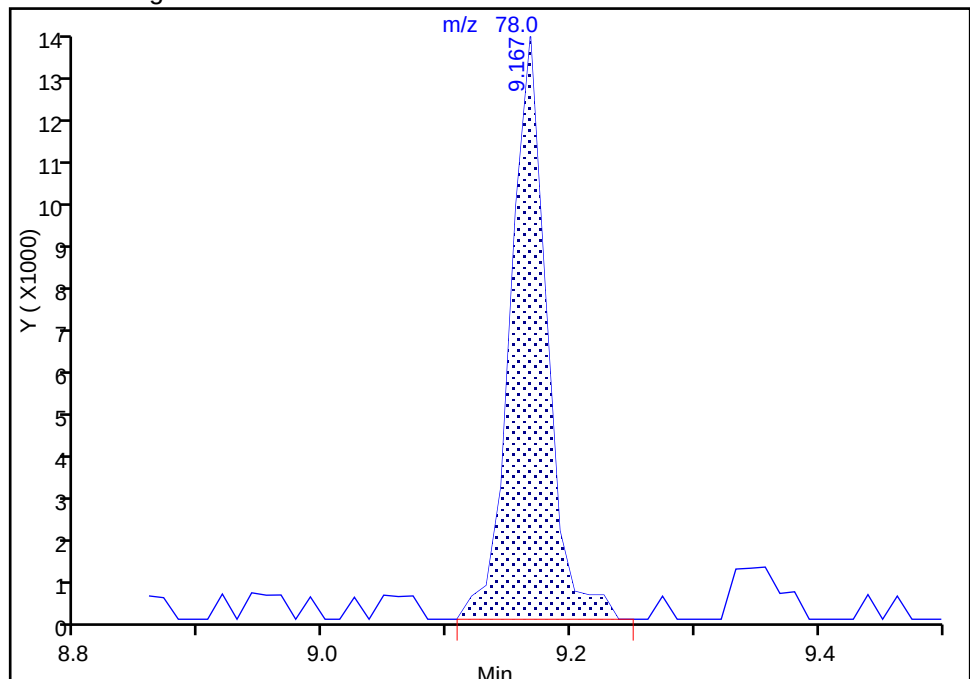
RT: 9.17
Area: 27804
Amount: 0.467323
Amount Units: ug/L

Processing Integration Results



RT: 9.17
Area: 27804
Amount: 0.478836
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:26:10

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

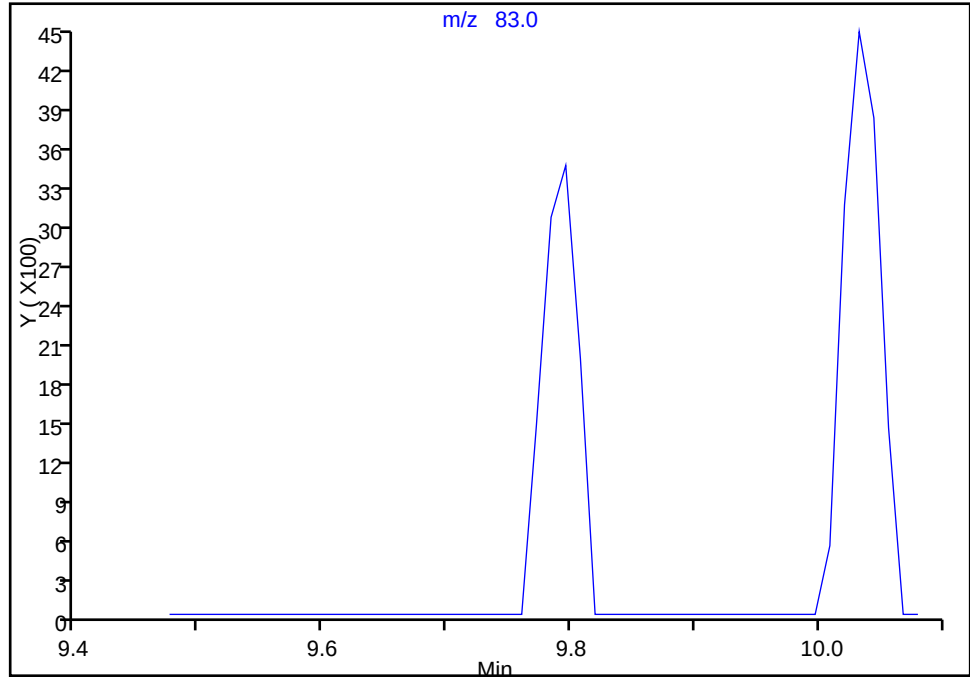
64 Methylcyclohexane, CAS: 108-87-2

Signal: 1

Not Detected

Expected RT: 9.80

Processing Integration Results



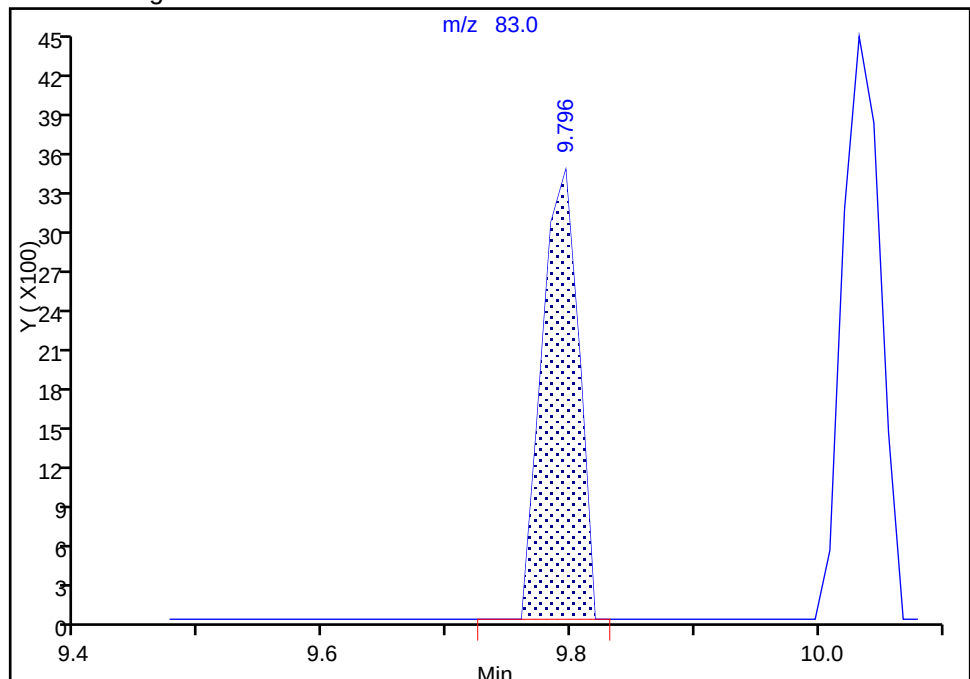
RT: 9.80

Area: 6978

Amount: 0.323329

Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:26:18

Audit Action: Assigned Compound ID

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

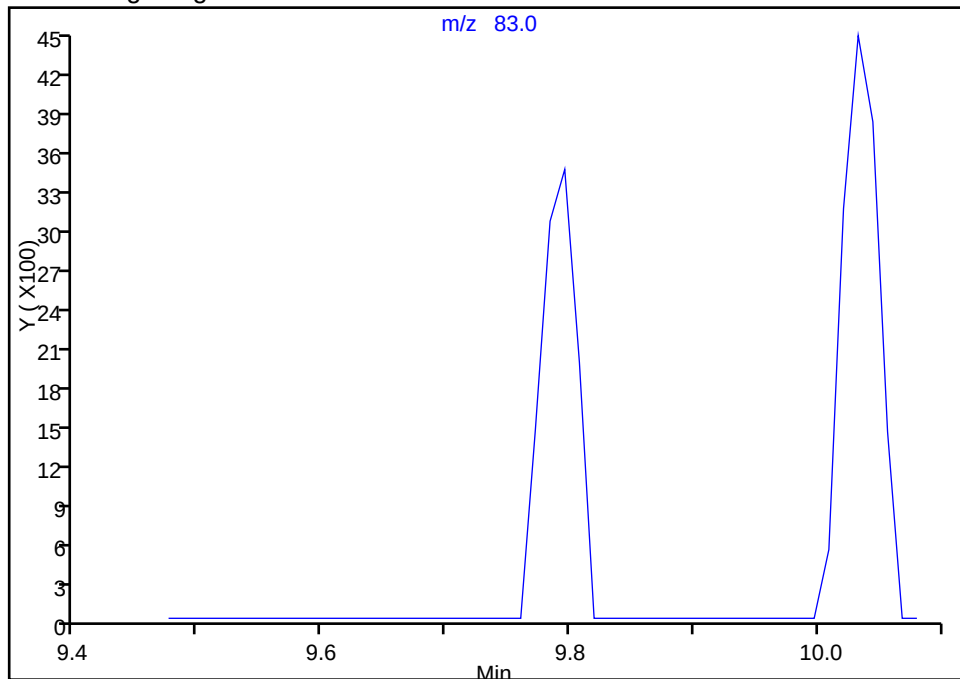
64 Methylcyclohexane, CAS: 108-87-2

Signal: 1

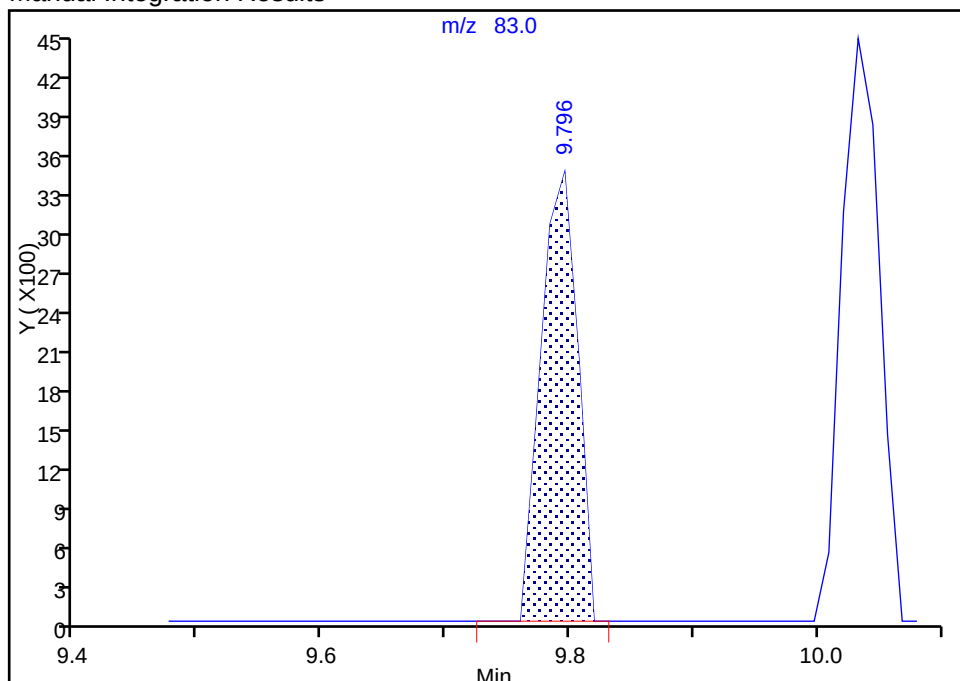
Not Detected

Expected RT: 9.80

Processing Integration Results



Manual Integration Results



RT: 9.80

Area: 6978

Amount: 0.323329

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:26:20

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

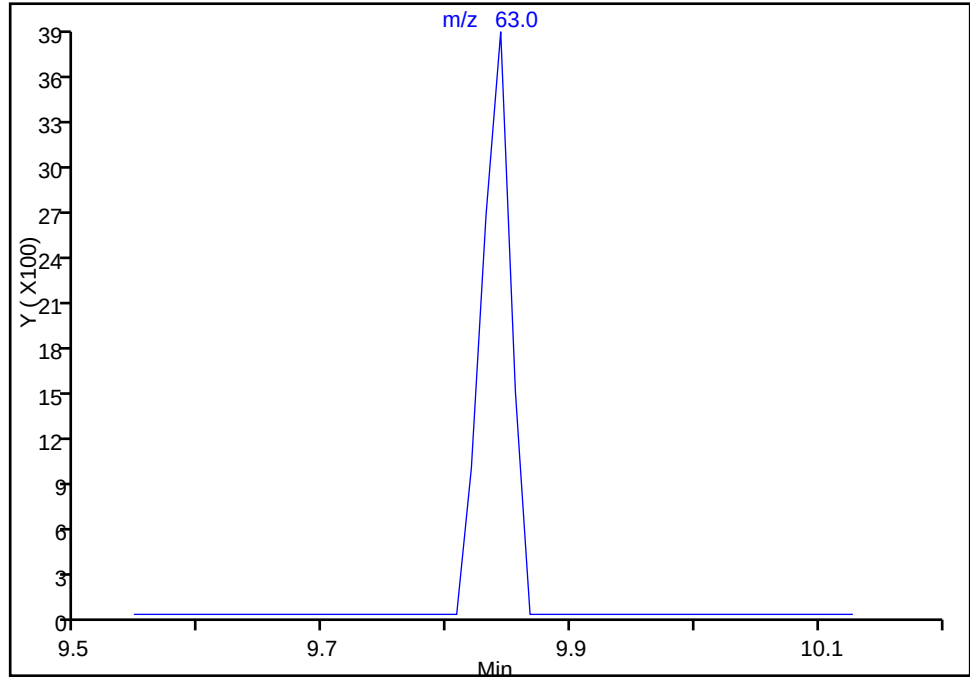
65 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

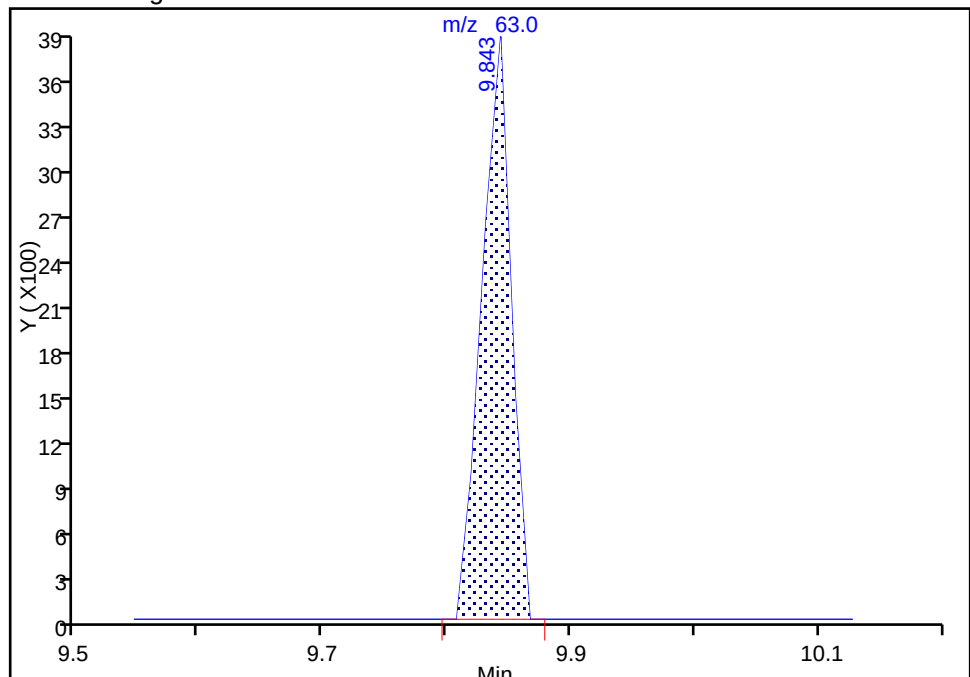
Not Detected

Expected RT: 9.84

Processing Integration Results



Manual Integration Results



RT: 9.84

Area: 6361

Amount: 0.453700

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:26:23

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

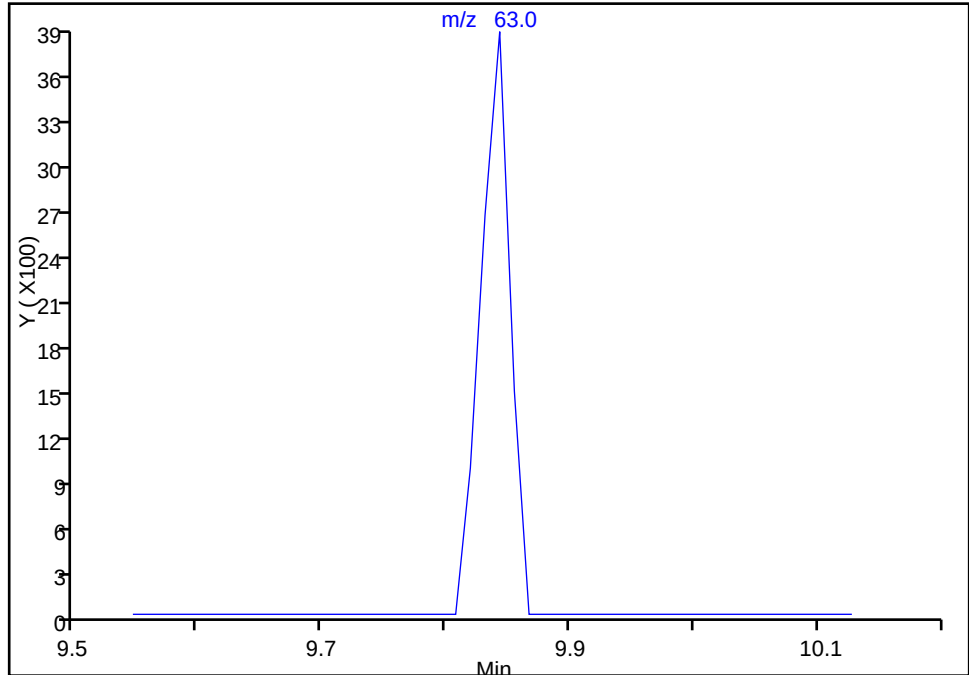
65 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

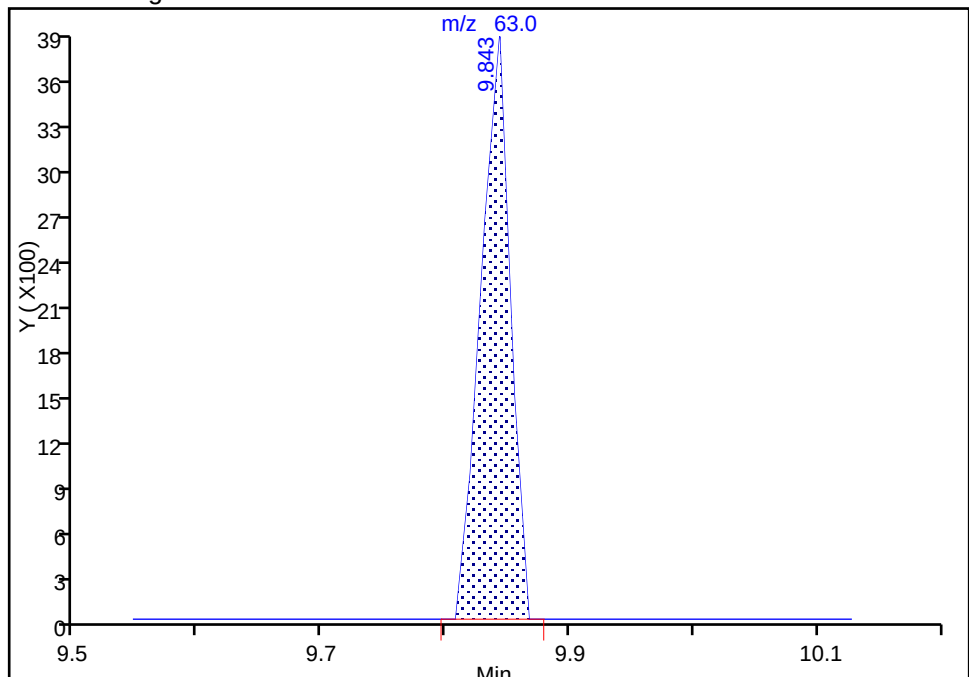
Not Detected

Expected RT: 9.84

Processing Integration Results



Manual Integration Results



RT: 9.84

Area: 6361

Amount: 0.453700

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:26:24

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

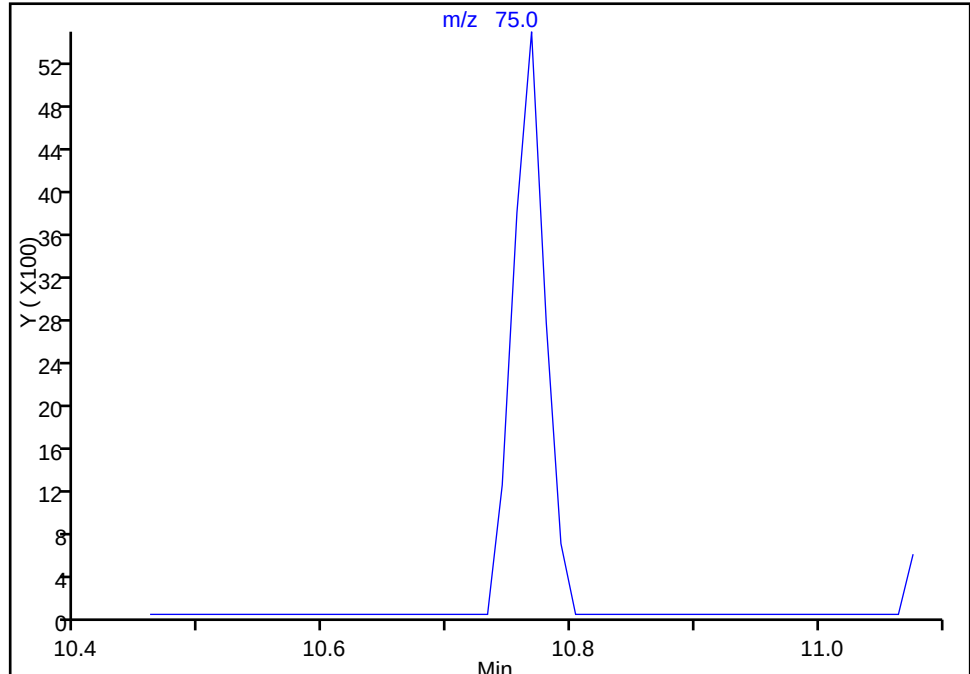
77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

Not Detected

Expected RT: 10.77

Processing Integration Results



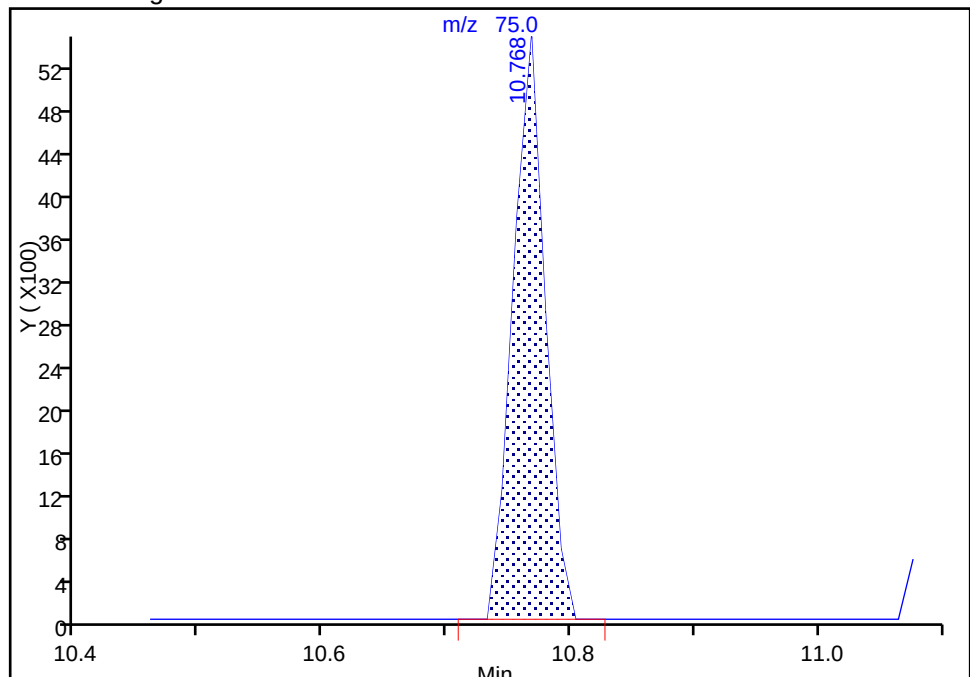
RT: 10.77

Area: 9896

Amount: 0.430791

Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:27:37

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

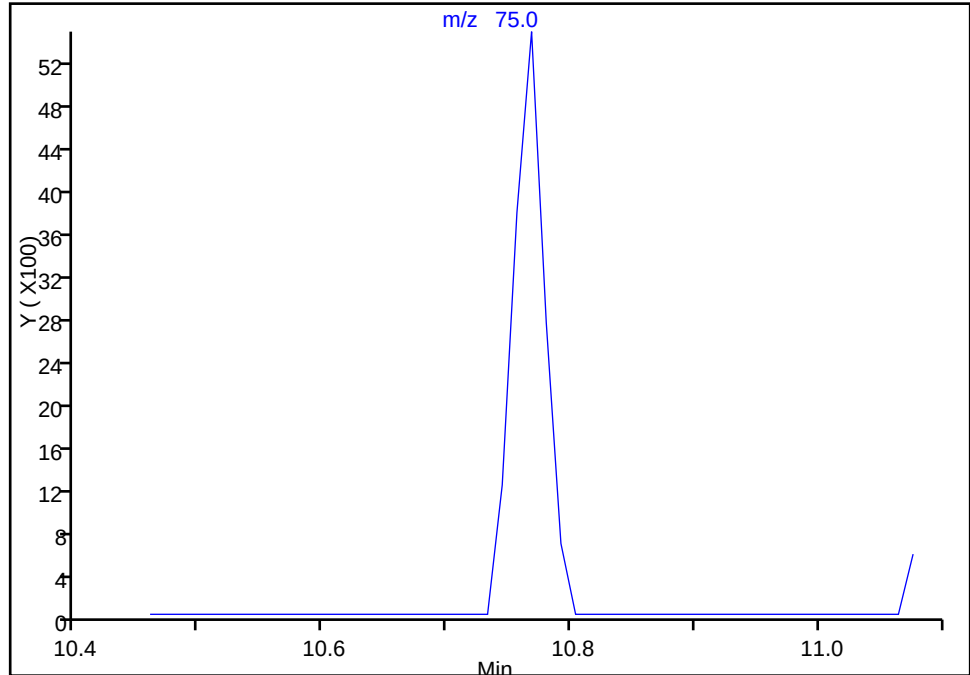
77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

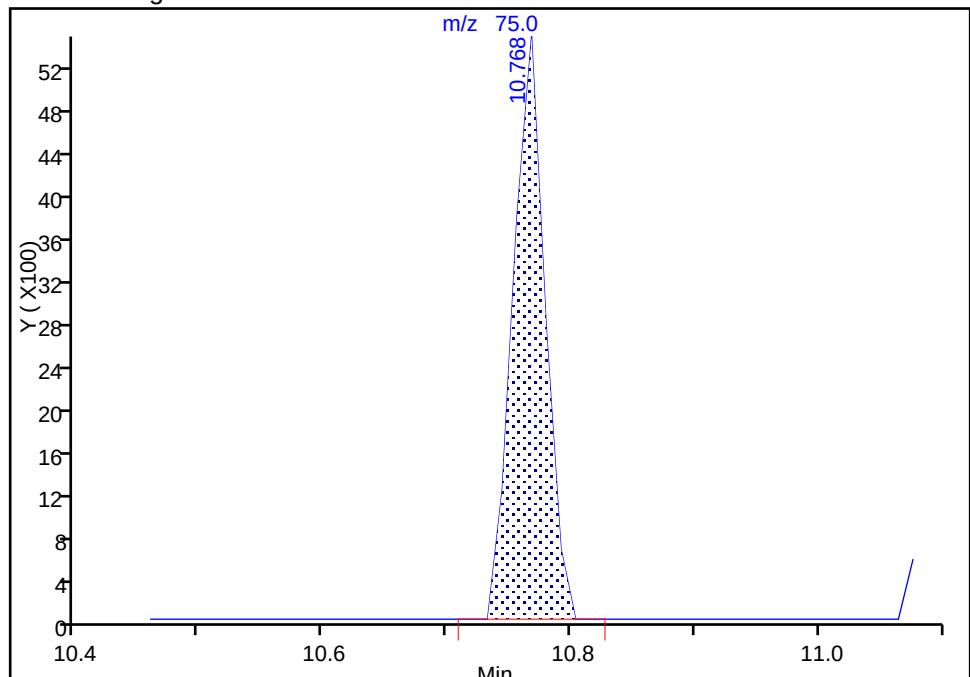
Not Detected

Expected RT: 10.77

Processing Integration Results



Manual Integration Results



RT: 10.77

Area: 9896

Amount: 0.430791

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:27:41

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

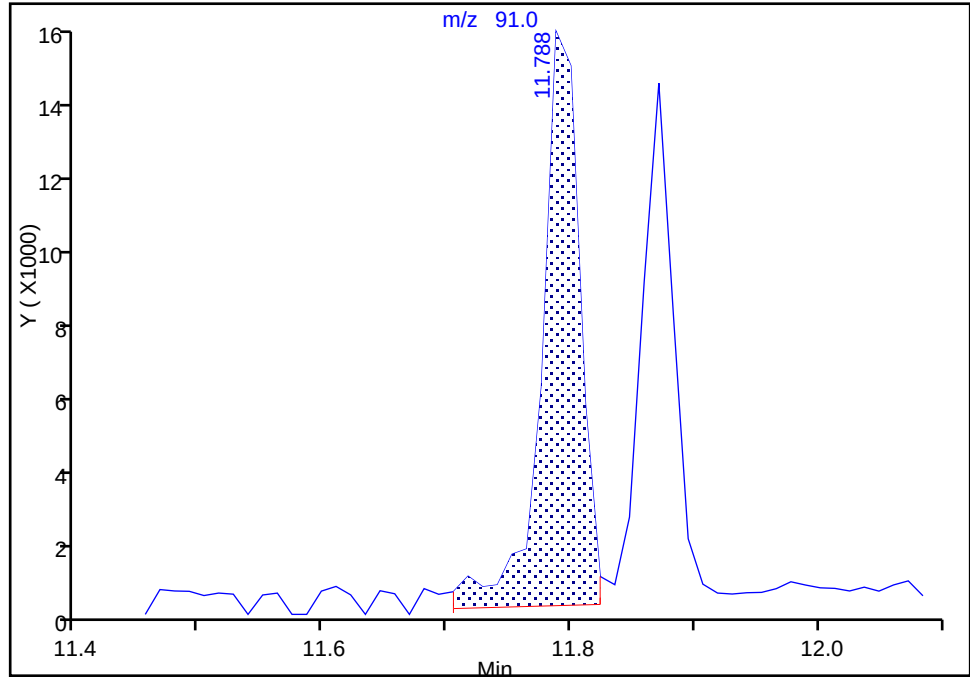
Detector: MS SCAN

88 Ethylbenzene, CAS: 100-41-4

Signal: 1

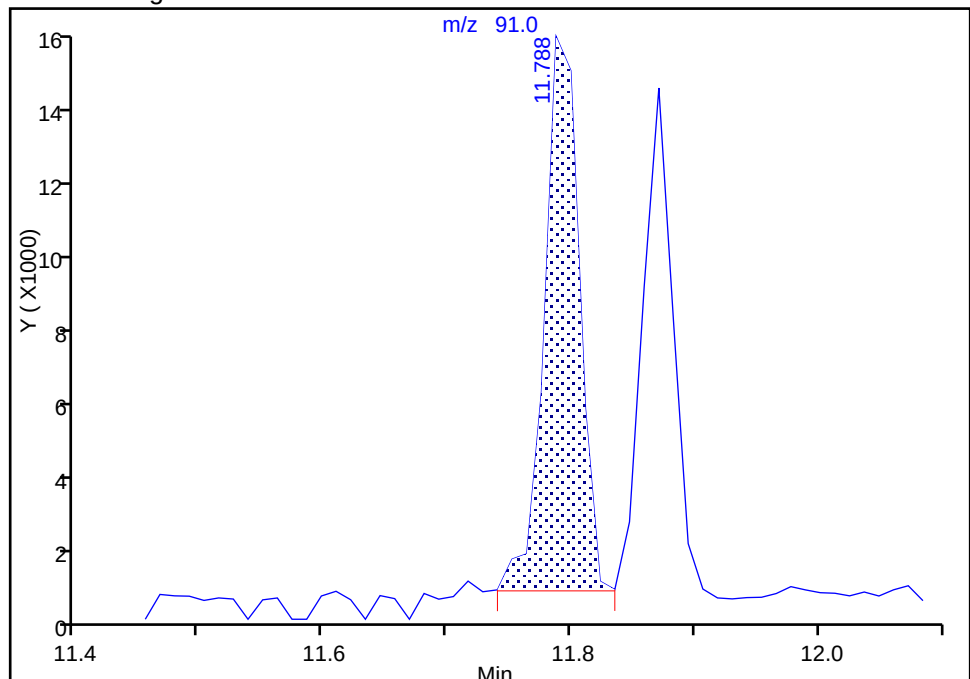
RT: 11.79
Area: 33798
Amount: 0.482231
Amount Units: ug/L

Processing Integration Results



RT: 11.79
Area: 29441
Amount: 0.420065
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:28:20

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

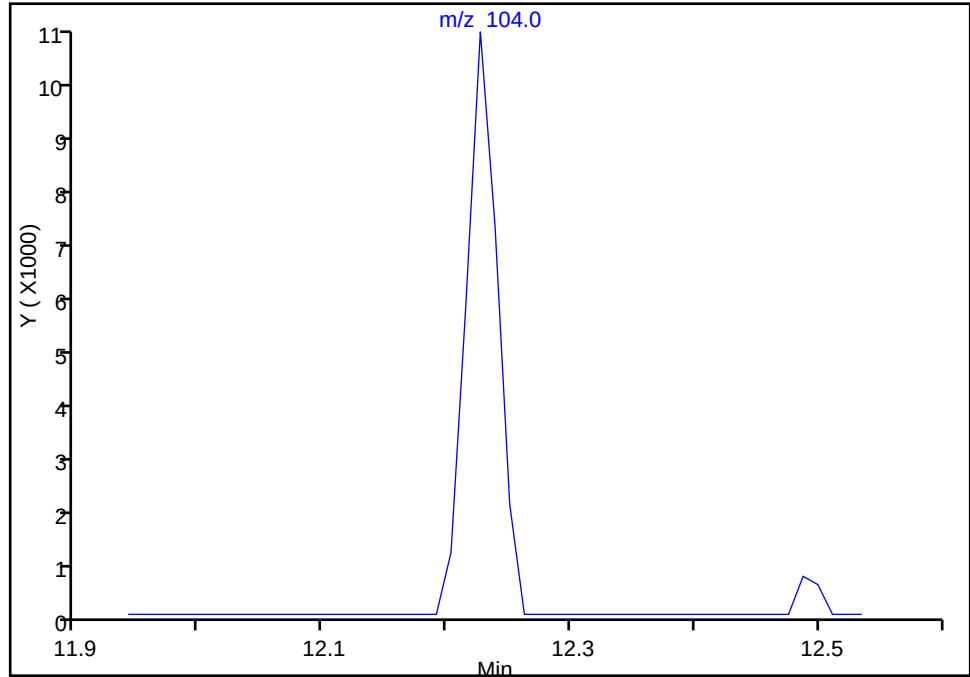
92 Styrene, CAS: 100-42-5

Signal: 1

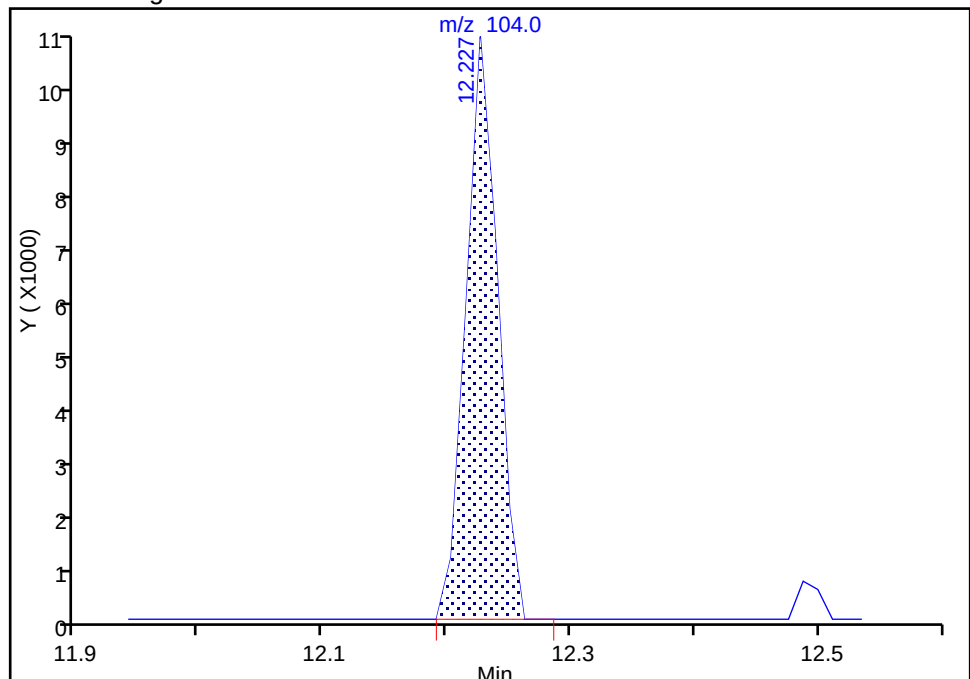
Not Detected

Expected RT: 12.23

Processing Integration Results



Manual Integration Results



RT: 12.23

Area: 18270

Amount: 0.403408

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:28:30

Audit Action: Assigned Compound ID

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

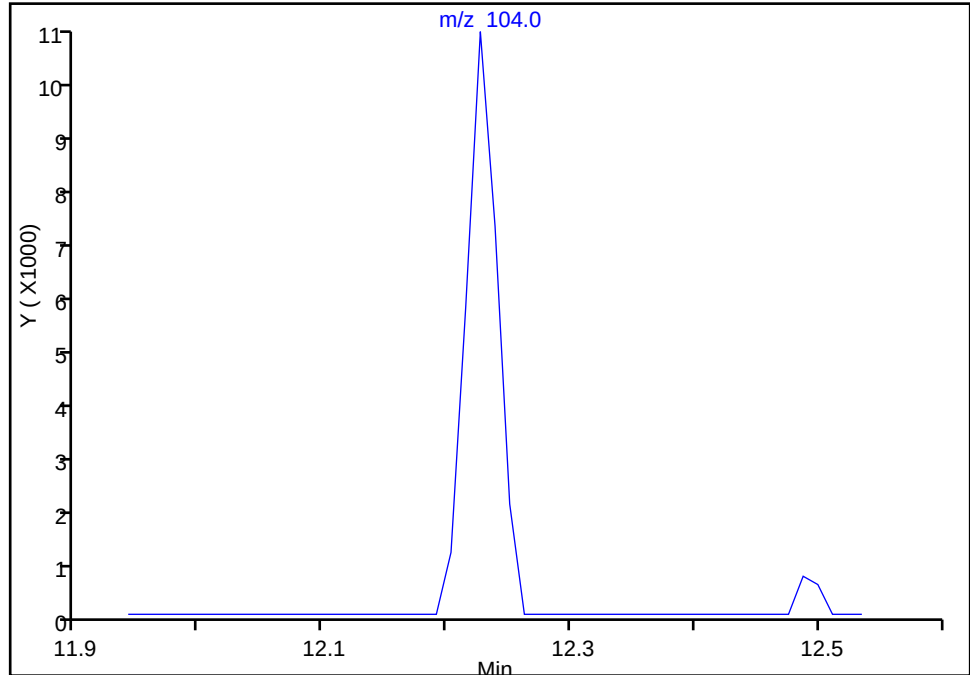
92 Styrene, CAS: 100-42-5

Signal: 1

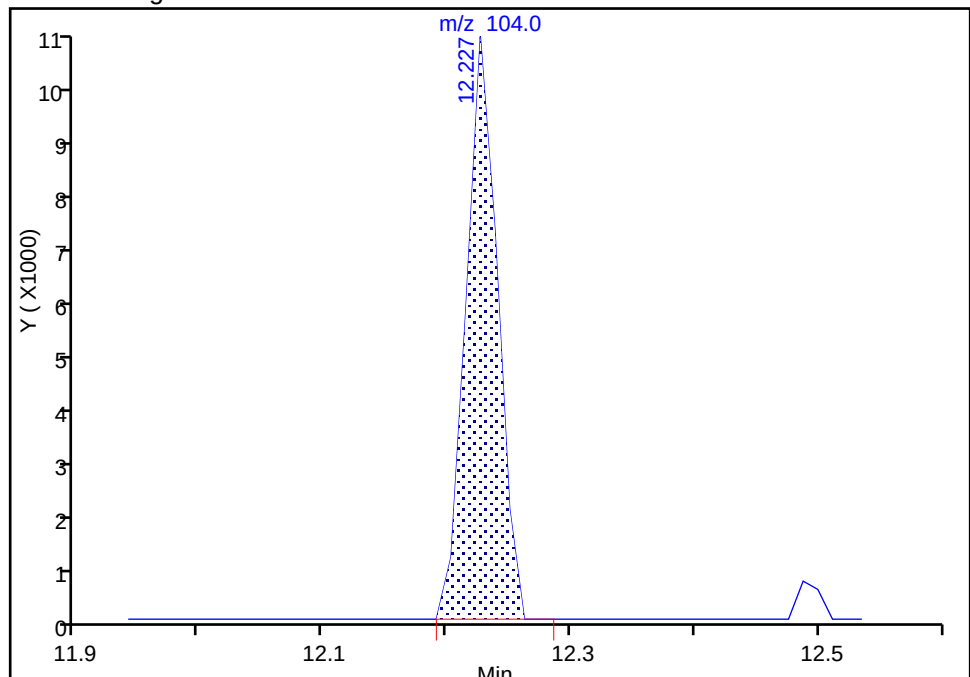
Not Detected

Expected RT: 12.23

Processing Integration Results



Manual Integration Results



RT: 12.23

Area: 18270

Amount: 0.403408

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:28:34

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

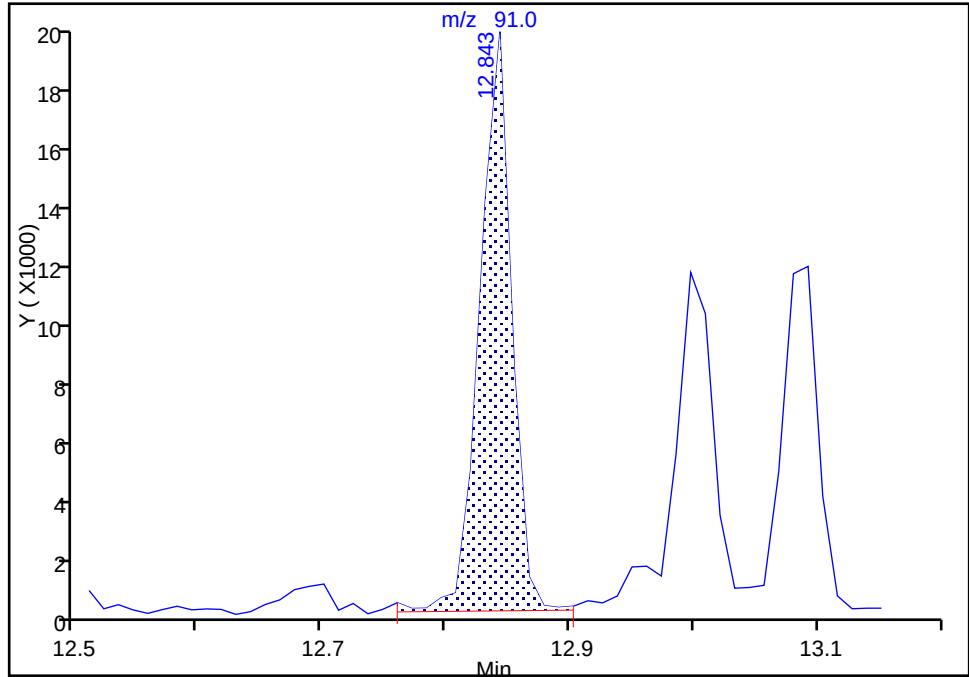
Detector: MS SCAN

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

Signal: 1

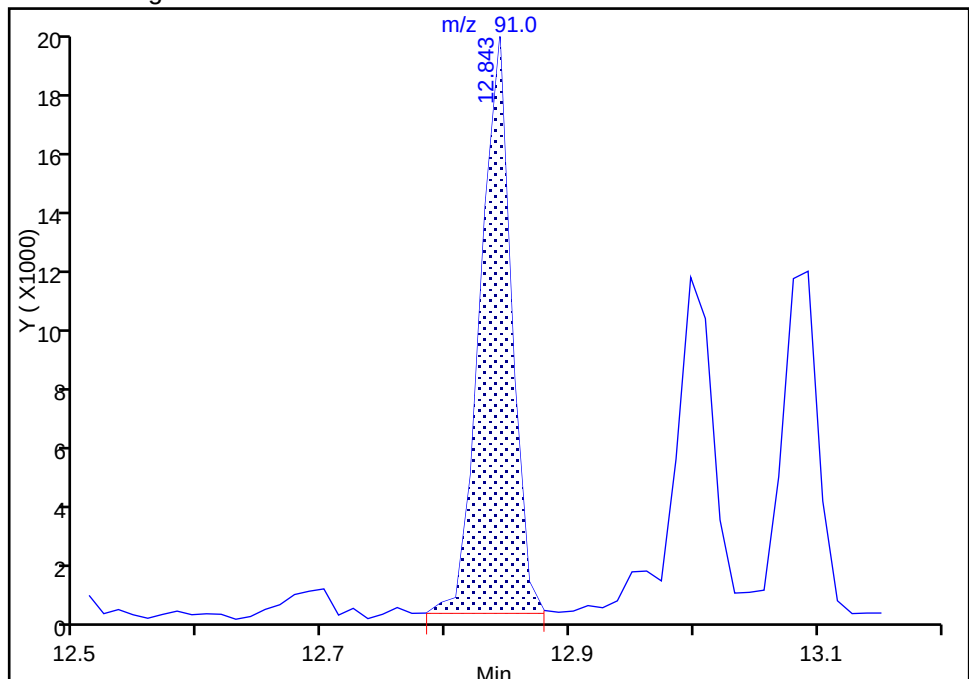
RT: 12.84
Area: 33509
Amount: 0.421896
Amount Units: ug/L

Processing Integration Results



RT: 12.84
Area: 32545
Amount: 0.410864
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:29:07

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

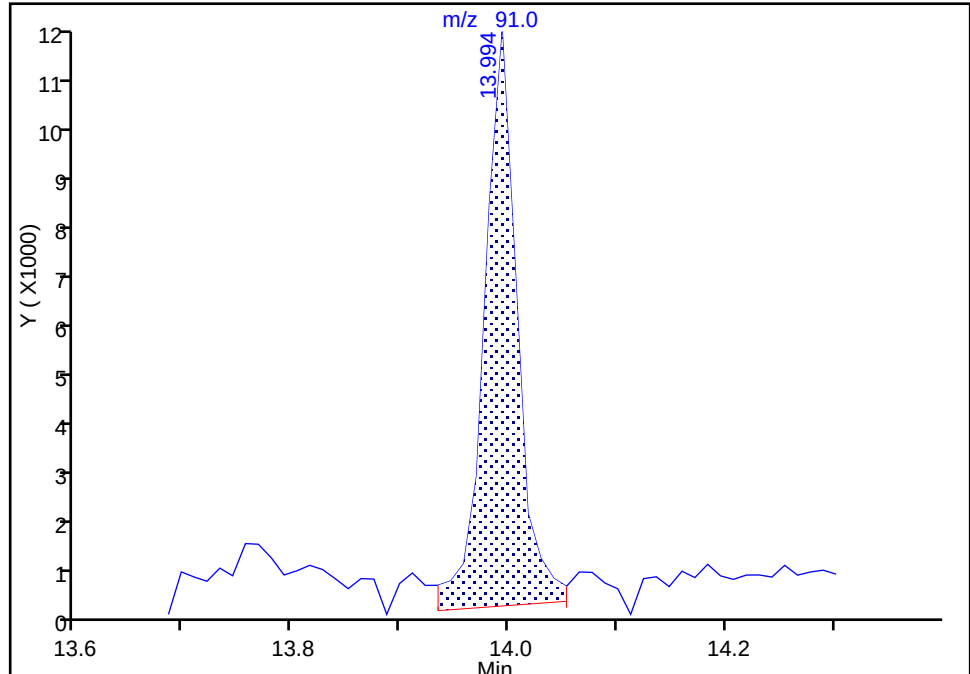
Detector: MS SCAN

115 n-Butylbenzene, CAS: 104-51-8

Signal: 1

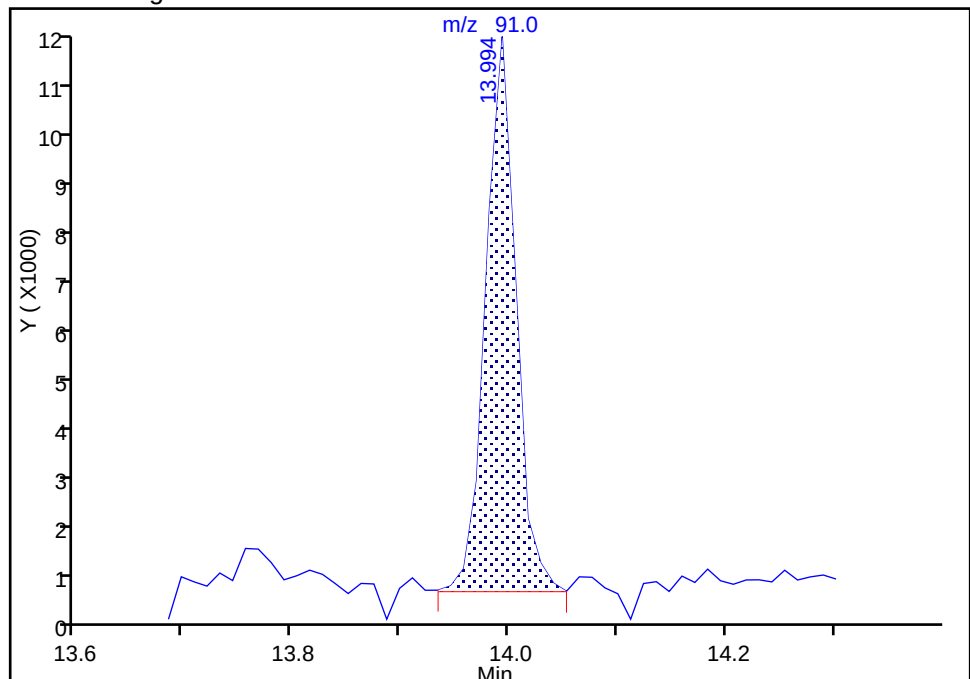
RT: 13.99
Area: 25070
Amount: 0.468506
Amount Units: ug/L

Processing Integration Results



RT: 13.99
Area: 22002
Amount: 0.418673
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:29:50

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1651.D

Injection Date: 11-Jan-2018 14:41:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

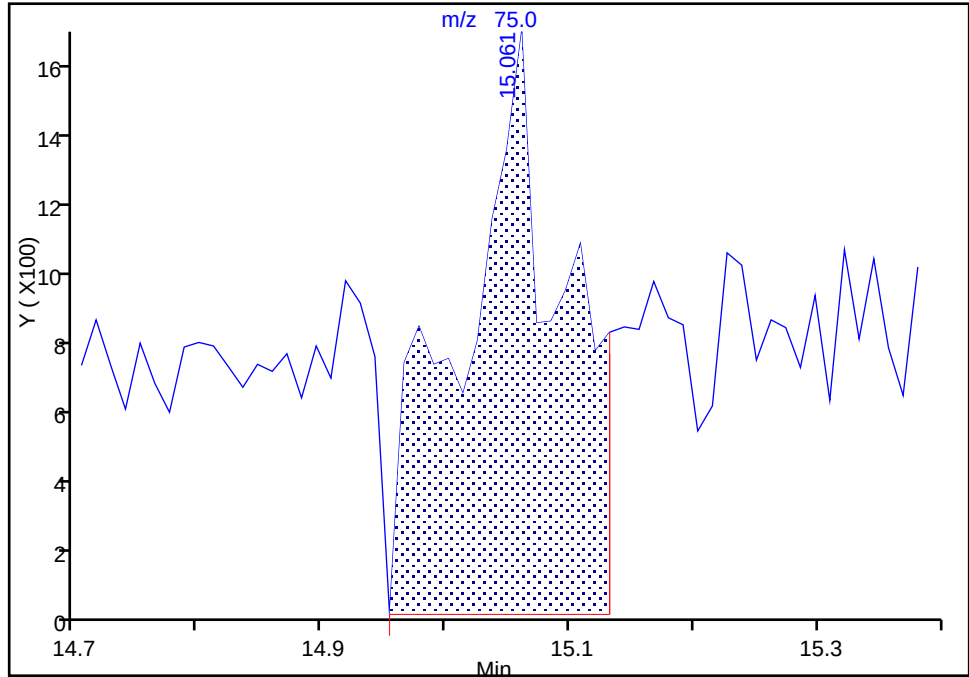
MS SCAN

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

Signal: 1

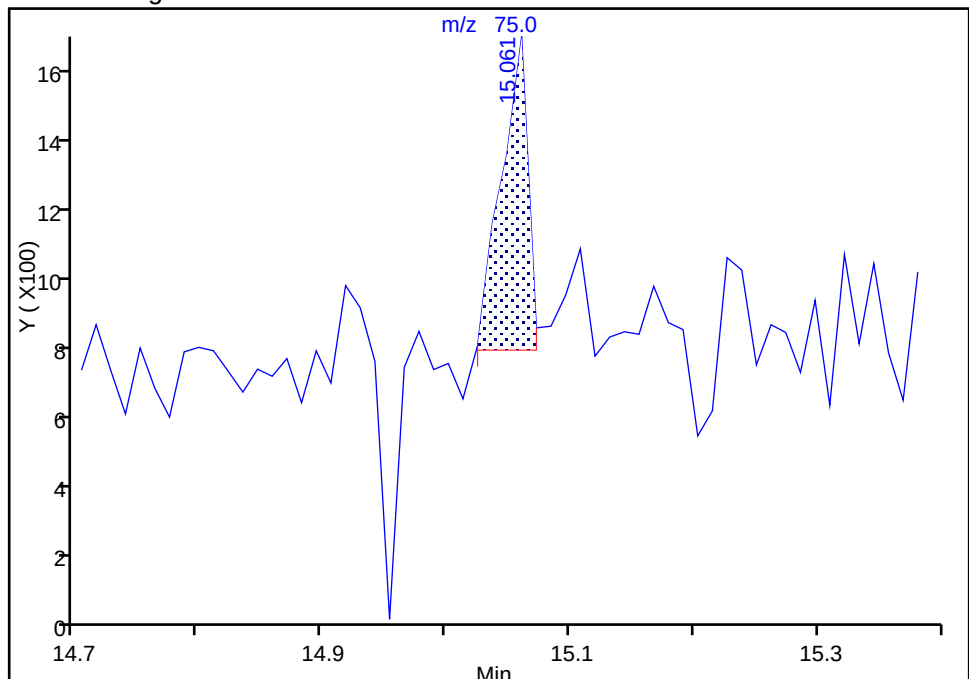
RT: 15.06
Area: 9699
Amount: 1.508524
Amount Units: ug/L

Processing Integration Results



RT: 15.06
Area: 1339
Amount: 0.370377
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:36:35

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1652.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 11-Jan-2018 15:07:30 ALS Bottle#: 5 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 480-0068523-007
 Operator ID: RR Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-Jan-2018 13:13:44 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK024

First Level Reviewer: reiler

Date: 12-Jan-2018 09:37:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.345	9.345	0.000	99	179086	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.753	11.753	0.000	85	386899	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	95	405987	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	248104	25.0	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	98	141912	25.0	25.7	
\$ 5 Toluene-d8 (Surr)	98	10.567	10.567	0.000	94	907716	25.0	25.2	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.689	0.000	91	331869	25.0	25.3	
10 Dichlorodifluoromethane	85	4.436	4.460	-0.024	94	12037	1.00	0.6764	
12 Chloromethane	50	4.875	4.875	0.000	94	13853	1.00	0.8155	M
13 Vinyl chloride	62	5.088	5.088	0.000	93	15876	1.00	0.8808	
151 Butadiene	54	5.136	5.147	-0.011	1	12661	1.00	0.8122	M
14 Bromomethane	94	5.693	5.705	-0.012	91	13898	1.00	0.9597	
15 Chloroethane	64	5.823	5.823	0.000	97	9407	1.00	0.8531	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	96	23011	1.00	0.7906	
17 Trichlorofluoromethane	101	6.167	6.179	-0.012	98	21026	1.00	0.7403	
18 Ethyl ether	59	6.476	6.476	0.000	93	10758	1.00	1.02	
20 Acrolein	56	6.689	6.689	0.000	93	8445	5.00	4.55	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	90	10996	1.00	0.7915	
22 1,1-Dichloroethene	96	6.808	6.808	0.000	65	14569	1.00	1.05	M
23 Acetone	43	6.843	6.843	0.000	99	21247	5.00	4.73	
25 Iodomethane	142	7.033	7.033	0.000	98	24757	1.00	0.9112	
26 Carbon disulfide	76	7.128	7.128	0.000	100	49598	1.00	0.9495	
27 Methyl acetate	43	7.140	7.140	0.000	97	16468	2.00	1.83	
28 3-Chloro-1-propene	41	7.163	7.175	-0.012	77	21151	1.00	1.00	
30 Methylene Chloride	84	7.306	7.317	-0.011	90	21598	1.00	1.27	
31 2-Methyl-2-propanol	59	7.329	7.329	0.000	48	13284	10.0	8.90	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	85	45421	1.00	1.02	
33 Acrylonitrile	53	7.543	7.531	0.012	99	40331	10.0	9.14	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	97	15676	1.00	1.00	
35 Hexane	57	7.721	7.721	0.000	91	14833	1.00	0.9076	

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	7.899	7.899	0.000	98	46745	2.00	1.79	
39 1,1-Dichloroethane	63	7.946	7.946	0.000	96	22681	1.00	0.9058	
43 2-Butanone (MEK)	43	8.409	8.397	0.012	99	28134	5.00	4.66	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.000	64	18863	1.00	1.07	M
44 2,2-Dichloropropane	77	8.444	8.444	0.000	63	22814	1.00	0.9561	
48 Chlorobromomethane	128	8.658	8.657	0.001	89	8077	1.00	0.9029	
50 Chloroform	83	8.669	8.681	-0.012	93	27927	1.00	1.00	
49 Tetrahydrofuran	42	8.693	8.681	0.012	75	8032	2.00	2.09	
51 1,1,1-Trichloroethane	97	8.859	8.859	0.000	99	21539	1.00	0.8837	
52 Cyclohexane	56	8.907	8.907	0.000	74	18476	1.00	0.8297	
53 Isobutyl alcohol	43	8.918	8.918	0.000	60	14683	25.0	22.7	
54 1,1-Dichloropropene	75	8.966	8.966	0.000	76	17645	1.00	0.8883	
55 Carbon tetrachloride	117	9.001	9.001	0.000	97	18362	1.00	0.8296	
57 Benzene	78	9.167	9.167	0.000	92	55466	1.00	0.9565	
58 1,2-Dichloroethane	62	9.179	9.179	0.000	12	21461	1.00	0.9659	
59 n-Heptane	43	9.203	9.203	0.000	89	13321	1.00	0.9020	
62 Trichloroethene	95	9.642	9.642	0.000	91	14616	1.00	0.9078	
64 Methylcyclohexane	83	9.784	9.796	-0.012	72	18475	1.00	0.8572	
65 1,2-Dichloropropane	63	9.832	9.843	-0.011	1	13235	1.00	0.9453	M
66 1,4-Dioxane	88		9.903				ND	ND	
67 Dibromomethane	93	9.962	9.962	0.000	93	8752	1.00	0.8713	
68 Dichlorobromomethane	83	10.033	10.033	0.000	98	19451	1.00	0.9068	
69 2-Chloroethyl vinyl ether	63	10.164	10.164	0.000	92	7136	1.00	0.8603	
72 cis-1,3-Dichloropropene	75	10.353	10.353	0.000	60	21722	1.00	0.9069	
73 4-Methyl-2-pentanone (MIBK)	43	10.401	10.389	0.012	97	53007	5.00	4.41	
74 Toluene	92	10.626	10.626	0.000	99	35890	1.00	0.9679	
75 Ethyl methacrylate	69	10.709	10.697	0.012	86	12673	1.00	0.8072	
77 trans-1,3-Dichloropropene	75	10.768	10.768	0.000	1	20569	1.00	0.9119	M
79 1,1,2-Trichloroethane	83	10.946	10.946	0.000	90	10263	1.00	0.9701	
80 2-Hexanone	43	11.029	11.029	0.000	96	38679	5.00	4.38	
81 Tetrachloroethene	166	11.077	11.077	0.000	93	16026	1.00	0.9231	
82 1,3-Dichloropropane	76	11.089	11.088	0.001	90	20557	1.00	0.9391	
83 Chlorodibromomethane	129	11.314	11.314	0.000	86	15551	1.00	0.9193	
84 Ethylene Dibromide	107	11.444	11.444	0.000	98	11898	1.00	0.8707	
87 Chlorobenzene	112	11.776	11.776	0.000	70	42426	1.00	0.9533	
88 Ethylbenzene	91	11.788	11.788	0.000	97	64364	1.00	0.9353	
89 1,1,1,2-Tetrachloroethane	131	11.812	11.812	0.000	92	16134	1.00	0.9573	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	96	25196	1.00	0.9062	
91 o-Xylene	106	12.215	12.215	0.000	97	25293	1.00	0.9271	
92 Styrene	104	12.227	12.227	0.000	1	39426	1.00	0.8866	M
94 Isopropylbenzene	105	12.488	12.488	0.000	87	63180	1.00	0.9133	
95 Bromoform	173	12.500	12.500	0.000	46	8917	1.00	0.8355	
97 1,1,2,2-Tetrachloroethane	83	12.761	12.761	0.000	94	15113	1.00	0.9278	
98 trans-1,4-Dichloro-2-buten	53	12.796	12.796	0.000	78	3611	1.00	0.7588	
100 1,2,3-Trichloropropane	110	12.844	12.844	0.000	86	4573	1.00	0.8432	
99 N-Propylbenzene	91	12.844	12.844	0.000	99	70929	1.00	0.8999	M
101 Bromobenzene	156	12.891	12.891	0.000	89	19711	1.00	0.9792	
102 1,3,5-Trimethylbenzene	105	12.950	12.950	0.000	95	54041	1.00	0.9205	
103 2-Chlorotoluene	126	12.998	12.998	0.000	97	16931	1.00	0.9454	
105 4-Chlorotoluene	126	13.081	13.093	-0.012	98	16895	1.00	0.9048	
106 tert-Butylbenzene	134	13.282	13.282	0.000	92	13597	1.00	1.00	
107 1,2,4-Trimethylbenzene	105	13.330	13.330	0.000	95	56975	1.00	0.9152	

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	13.484	13.484	0.000	95	61019	1.00	0.8707	
110 4-Isopropyltoluene	119	13.579	13.579	0.000	96	53091	1.00	0.8583	
111 1,3-Dichlorobenzene	146	13.709	13.709	0.000	96	36068	1.00	0.9552	
113 1,4-Dichlorobenzene	146	13.780	13.780	0.000	93	36868	1.00	0.9667	
115 n-Butylbenzene	91	13.994	13.994	0.000	96	49715	1.00	0.9507	
116 1,2-Dichlorobenzene	146	14.195	14.195	0.000	97	35076	1.00	0.9632	
117 1,2-Dibromo-3-Chloropropan	75	15.061	15.061	0.000	85	4771	1.00	1.33	M
119 1,2,4-Trichlorobenzene	180	16.105	16.105	0.000	94	24012	1.00	0.9396	
120 Hexachlorobutadiene	225	16.223	16.223	0.000	93	9557	1.00	0.9539	
121 Naphthalene	128	16.532	16.532	0.000	97	55779	1.00	0.8891	
122 1,2,3-Trichlorobenzene	180	16.887	16.887	0.000	96	23773	1.00	0.9813	
S 123 Total BTEX	1				0			4.69	
S 124 Xylenes, Total	1				0			1.83	
S 125 1,2-Dichloroethene, Total	1				0			2.06	
S 126 1,3-Dichloropropene, Total	1				0			1.82	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00118

Amount Added: 1.00

Units: uL

GAS CORP mix_00259

Amount Added: 1.00

Units: uL

C_8260_IS_00105

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00121

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180111-68523.b\\C1652.D

Injection Date: 11-Jan-2018 15:07:30

Instrument ID: HP5973C

Operator ID: RR

Lims ID: IC

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

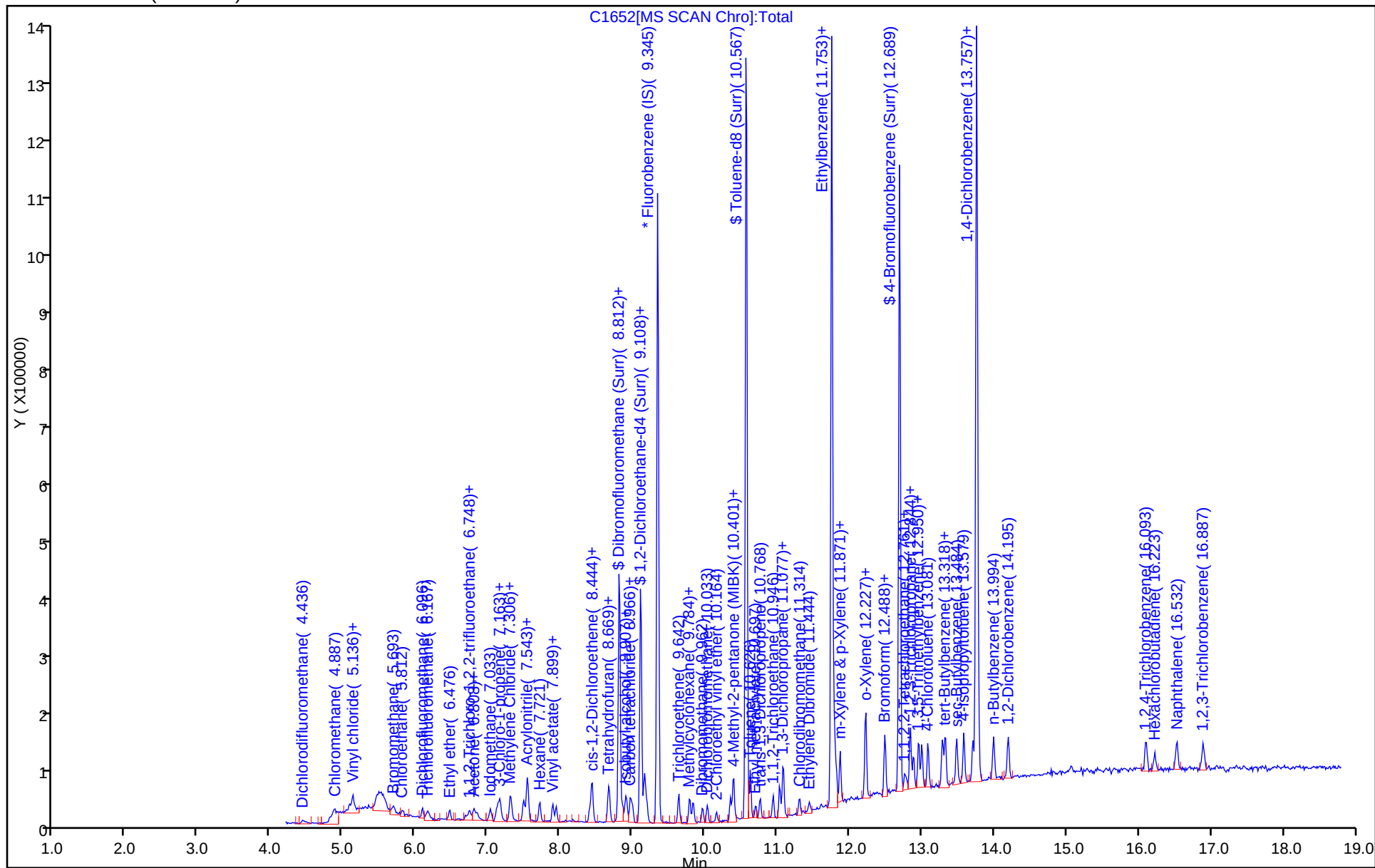
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1652.D

Injection Date: 11-Jan-2018 15:07:30

Instrument ID: HP5973C

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

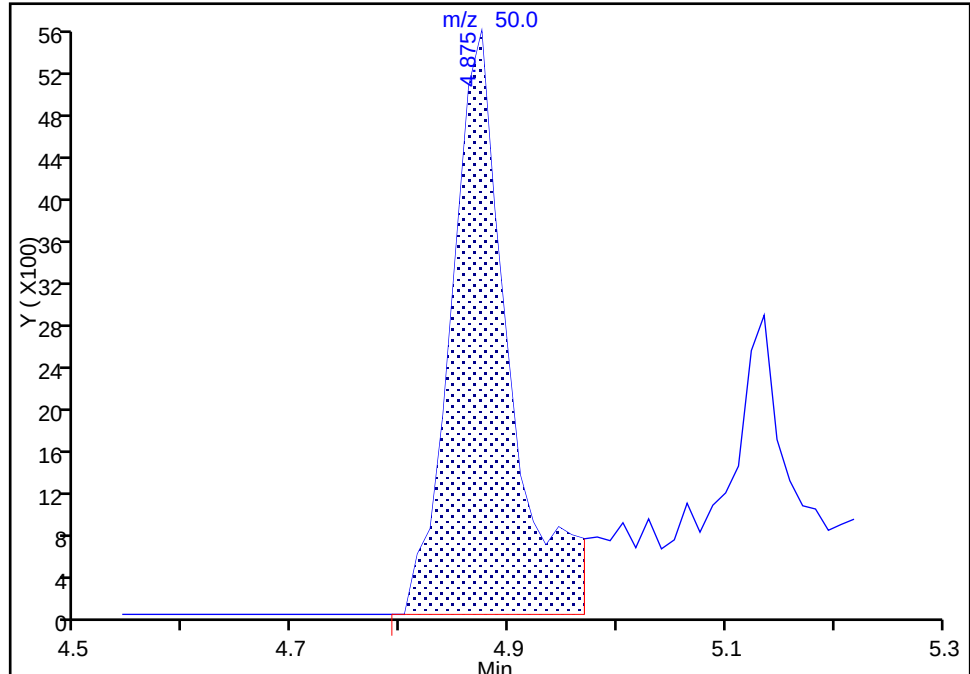
Detector: MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

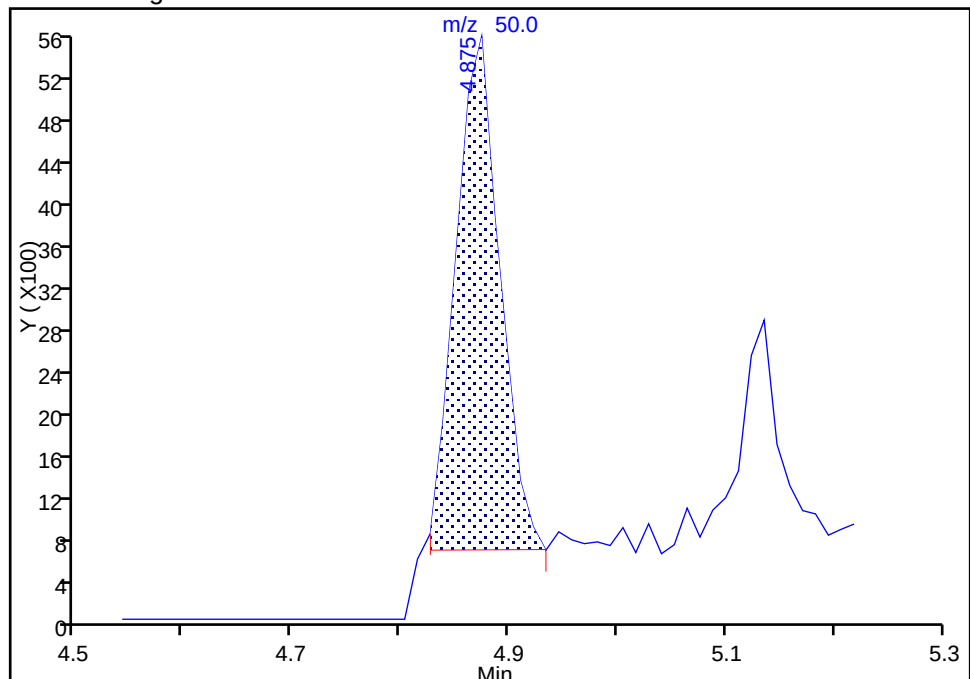
RT: 4.87
Area: 20615
Amount: 1.074067
Amount Units: ug/L

Processing Integration Results



RT: 4.87
Area: 13853
Amount: 0.815539
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:37:55

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1652.D

Injection Date: 11-Jan-2018 15:07:30

Instrument ID: HP5973C

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

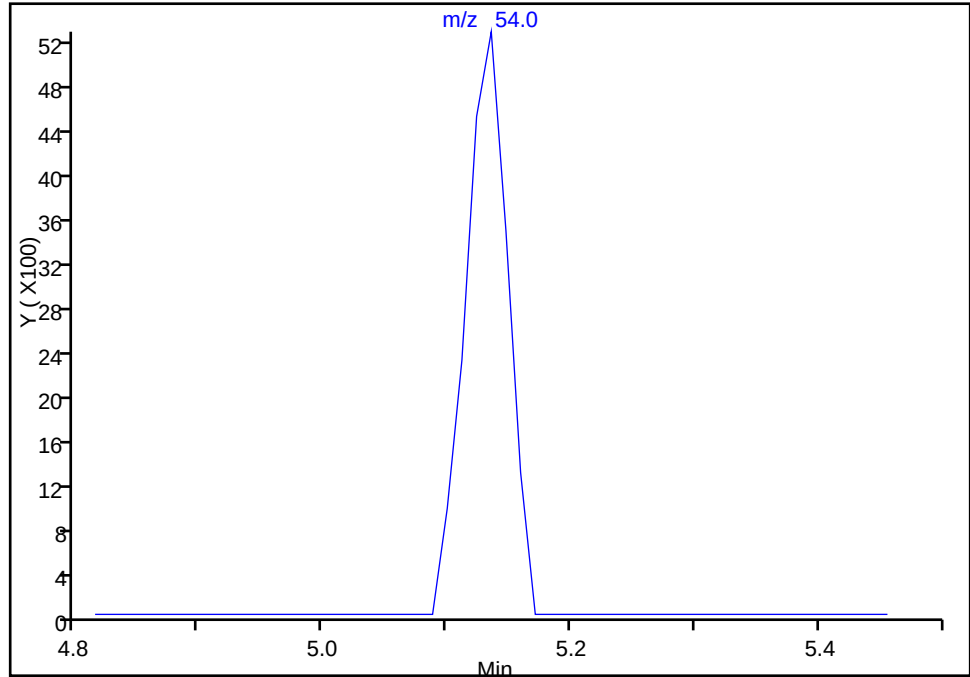
151 Butadiene, CAS: 106-99-0

Signal: 1

Not Detected

Expected RT: 5.15

Processing Integration Results



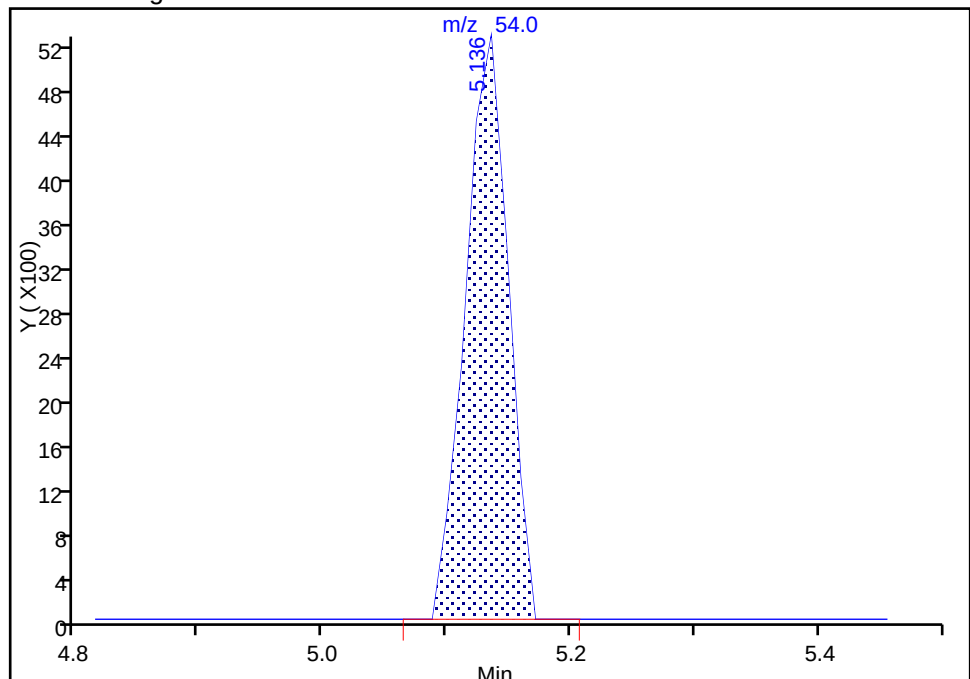
RT: 5.14

Area: 12661

Amount: 0.812157

Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:42:17

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1652.D

Injection Date: 11-Jan-2018 15:07:30

Instrument ID: HP5973C

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

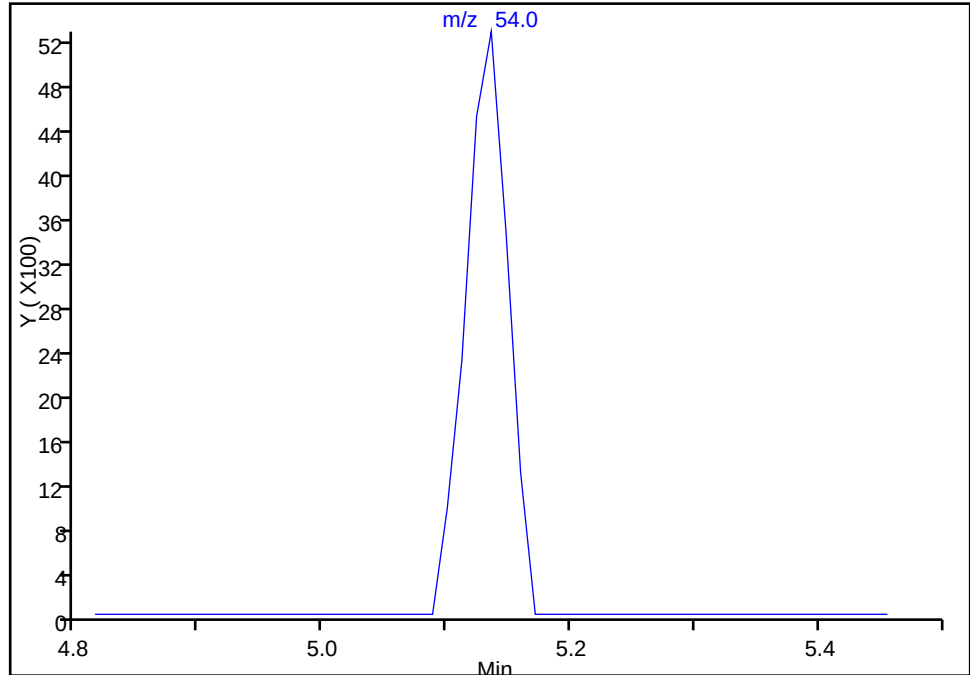
151 Butadiene, CAS: 106-99-0

Signal: 1

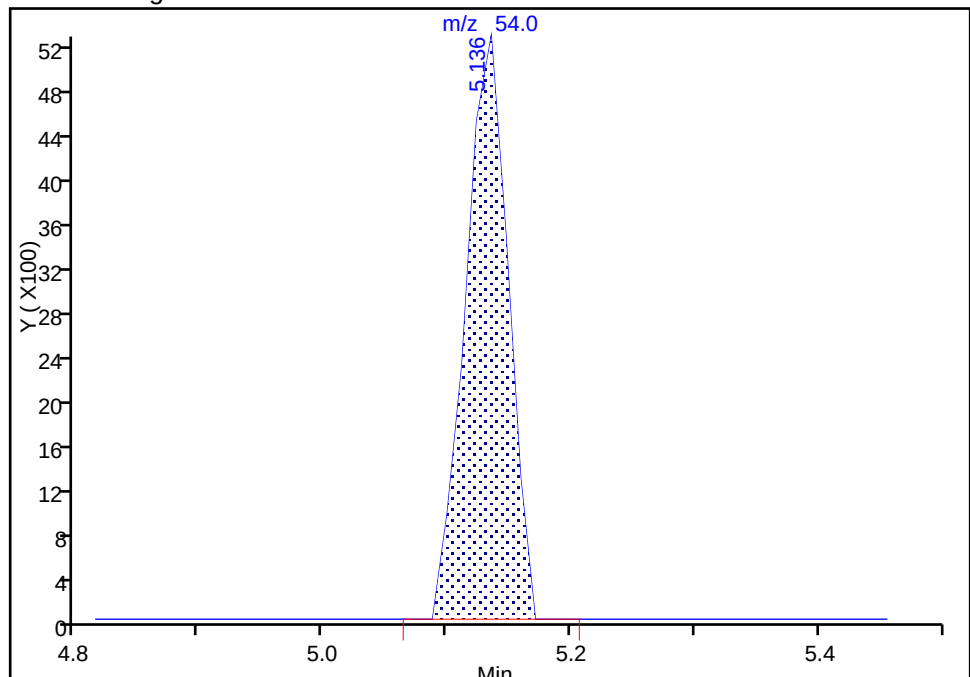
Not Detected

Expected RT: 5.15

Processing Integration Results



Manual Integration Results



RT: 5.14

Area: 12661

Amount: 0.812157

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:42:21

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

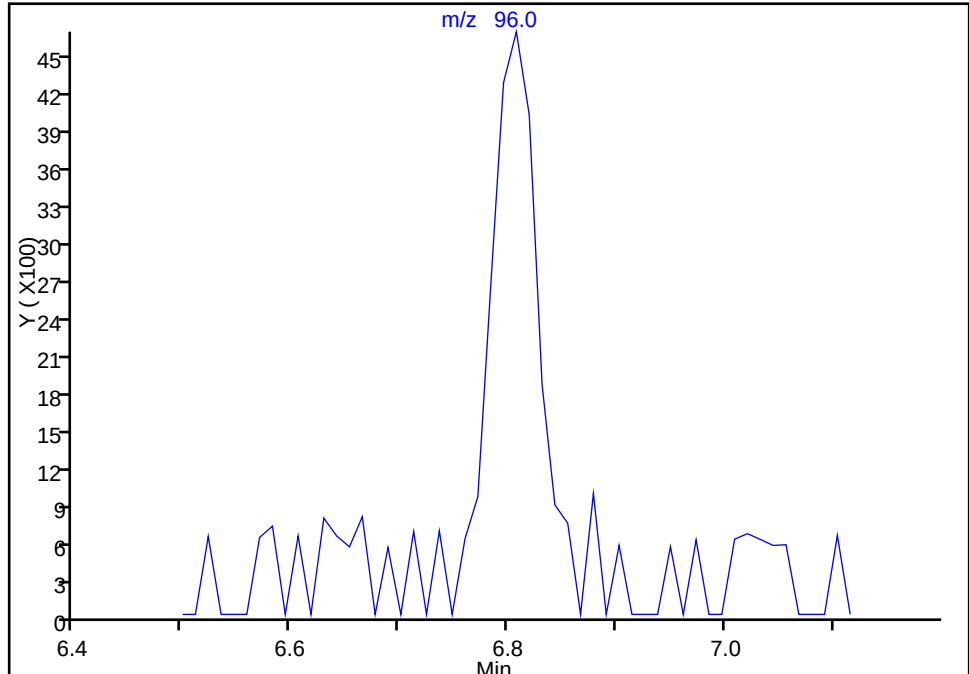
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1652.D
Injection Date: 11-Jan-2018 15:07:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RR ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

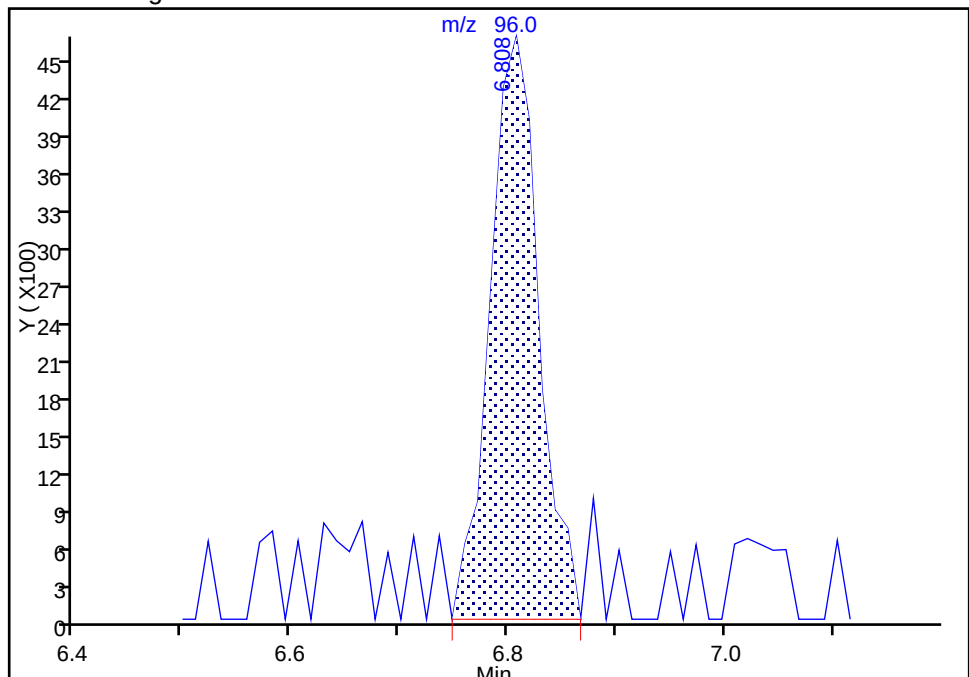
Signal: 1

Not Detected
Expected RT: 6.81

Processing Integration Results



Manual Integration Results



RT: 6.81
Area: 14569
Amount: 1.051614
Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:42:27
Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1652.D

Injection Date: 11-Jan-2018 15:07:30

Instrument ID: HP5973C

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

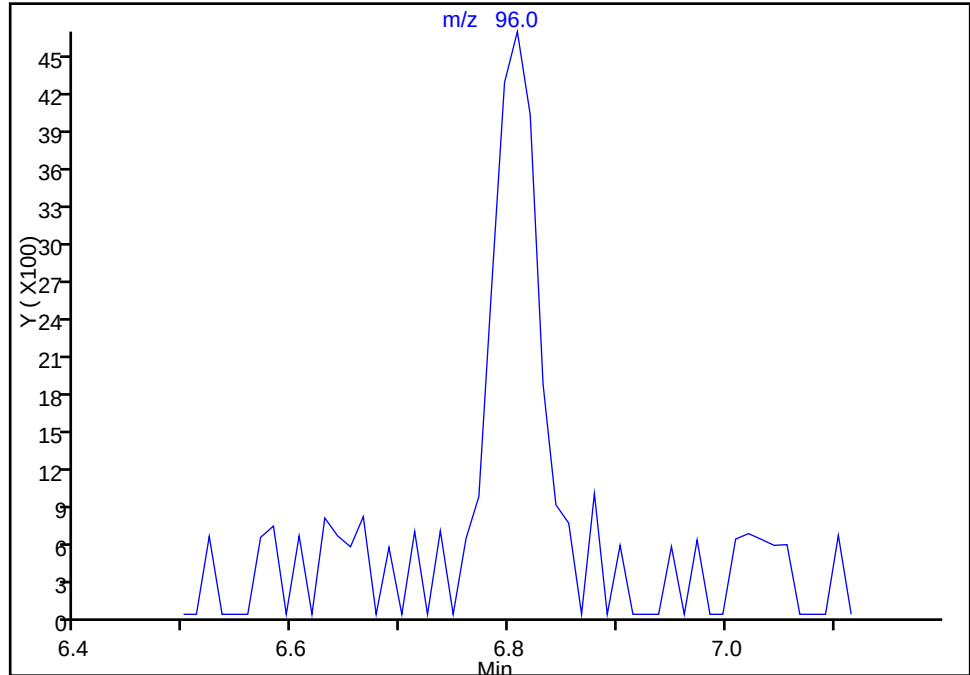
22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

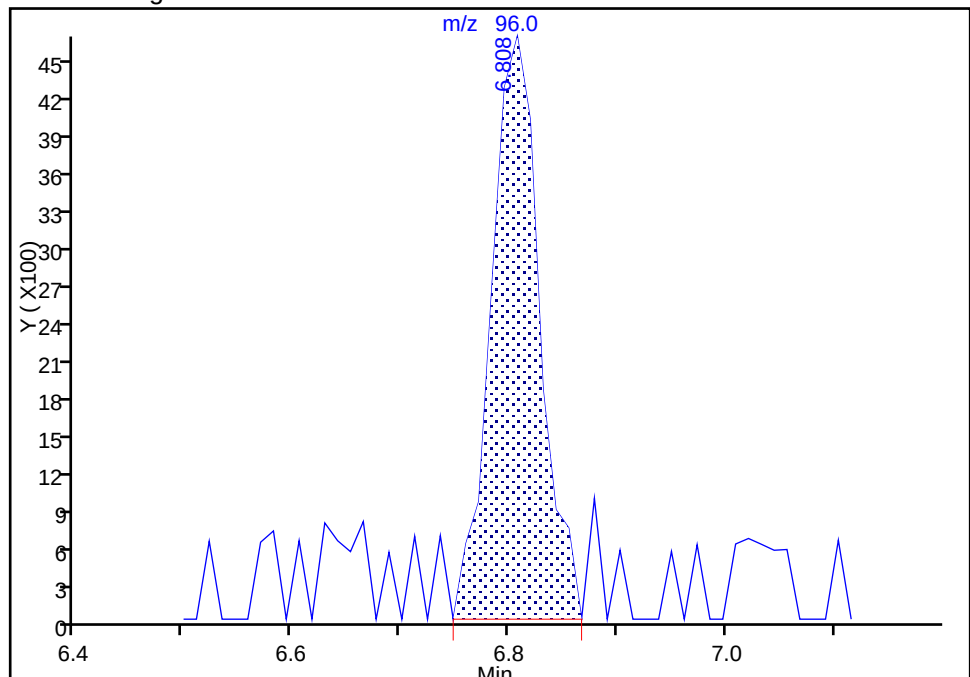
Not Detected

Expected RT: 6.81

Processing Integration Results



Manual Integration Results



RT: 6.81

Area: 14569

Amount: 1.051614

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:42:31

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

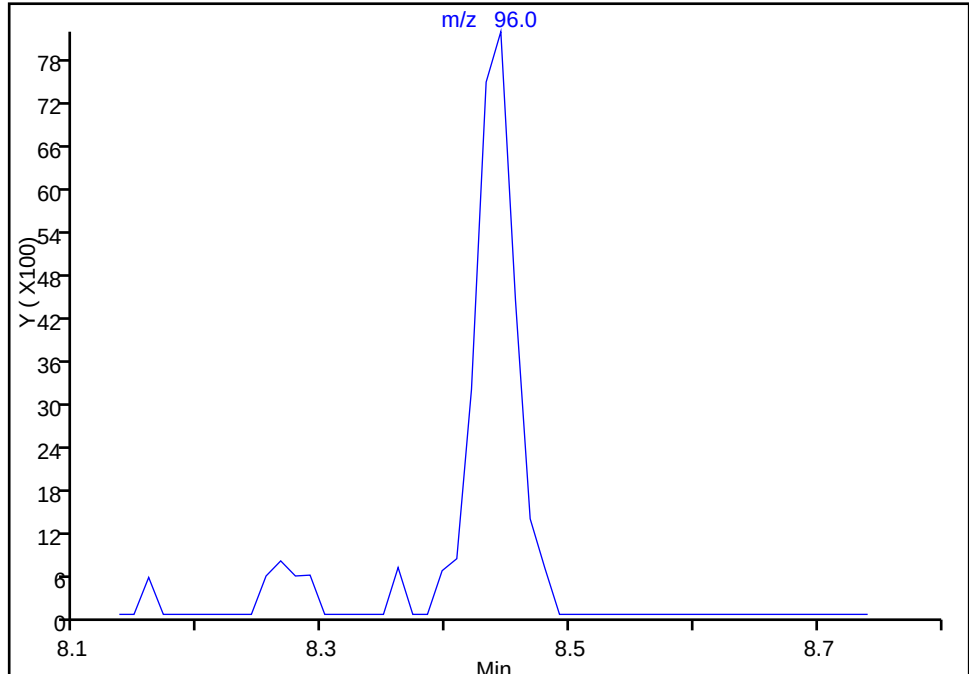
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1652.D
Injection Date: 11-Jan-2018 15:07:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RR ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

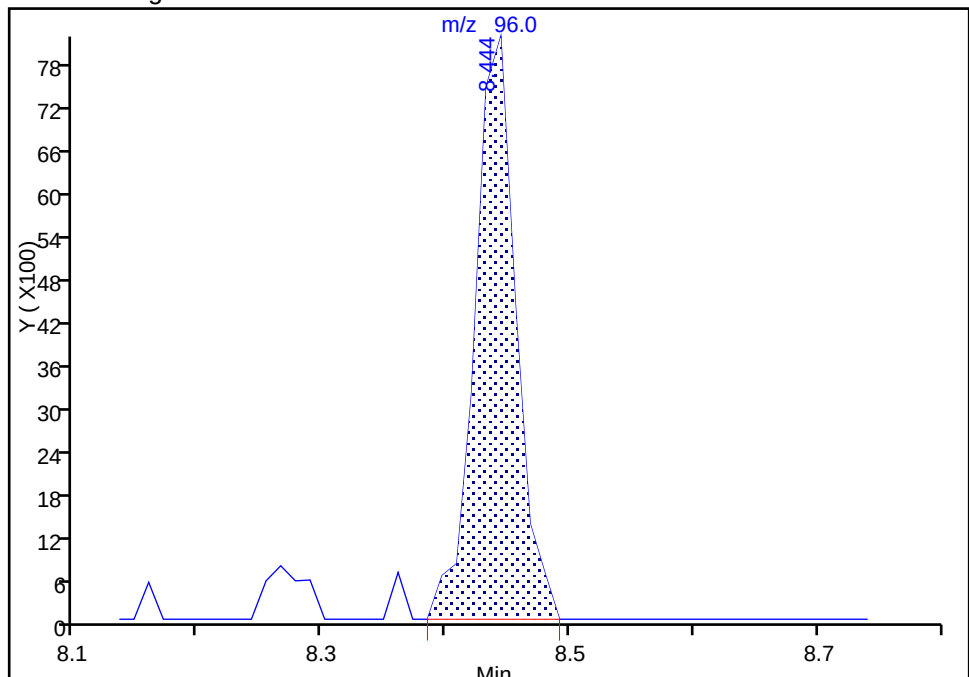
Not Detected
Expected RT: 8.44

Processing Integration Results



RT: 8.44
Area: 18863
Amount: 1.068144
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:42:47
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography
Page 445 of 861

01/22/2018

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1652.D

Injection Date: 11-Jan-2018 15:07:30

Instrument ID: HP5973C

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

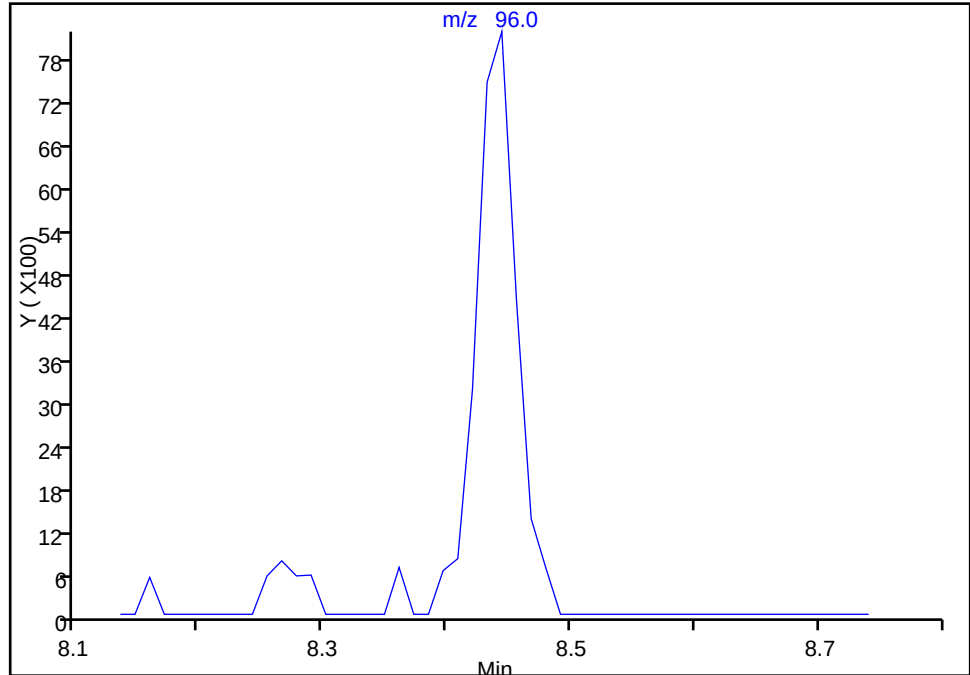
45 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

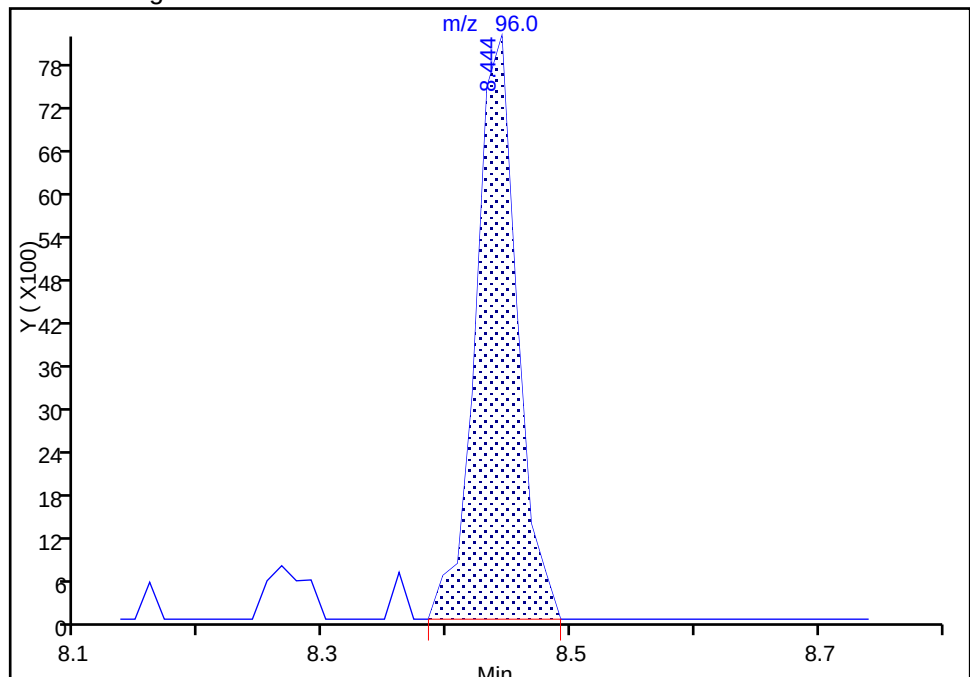
Not Detected

Expected RT: 8.44

Processing Integration Results



Manual Integration Results



RT: 8.44

Area: 18863

Amount: 1.068144

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:42:51

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1652.D

Injection Date: 11-Jan-2018 15:07:30

Instrument ID: HP5973C

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

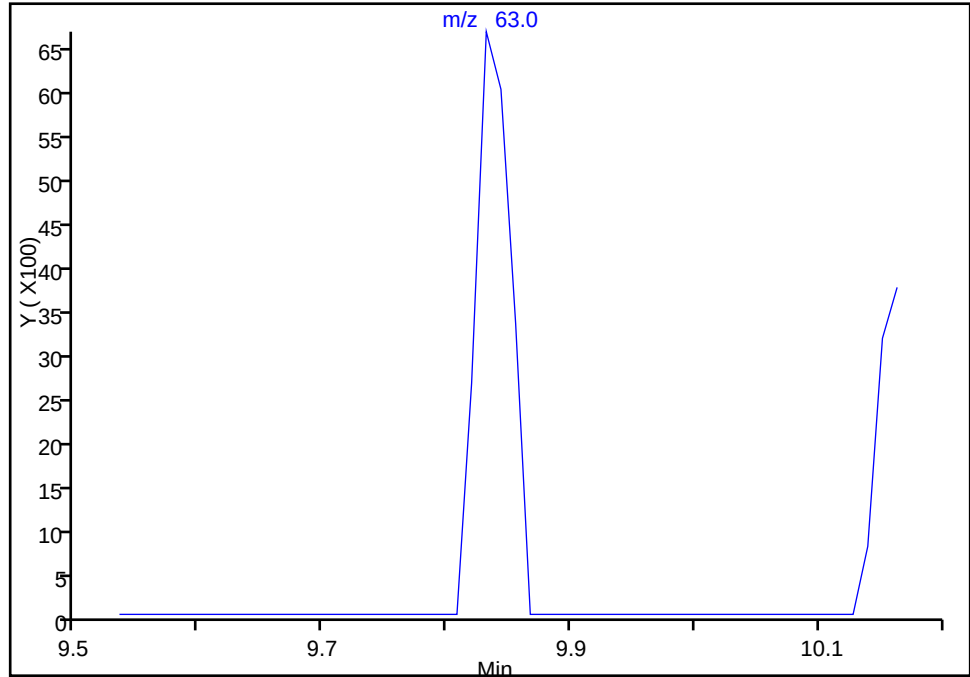
65 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

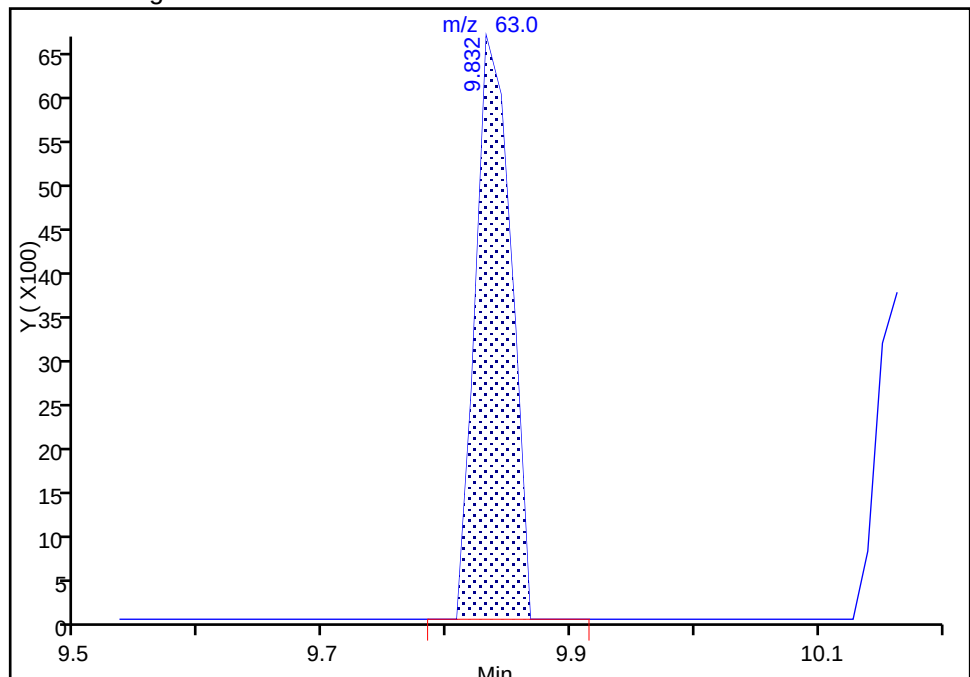
Not Detected

Expected RT: 9.84

Processing Integration Results



Manual Integration Results



RT: 9.83

Area: 13235

Amount: 0.945282

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:43:10

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

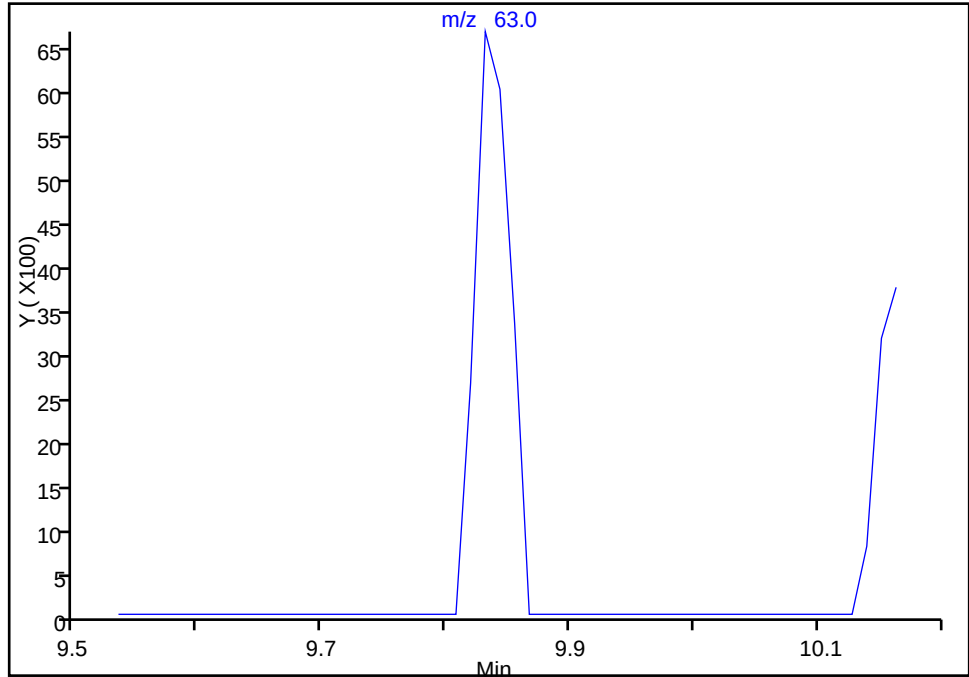
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1652.D
Injection Date: 11-Jan-2018 15:07:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RR ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

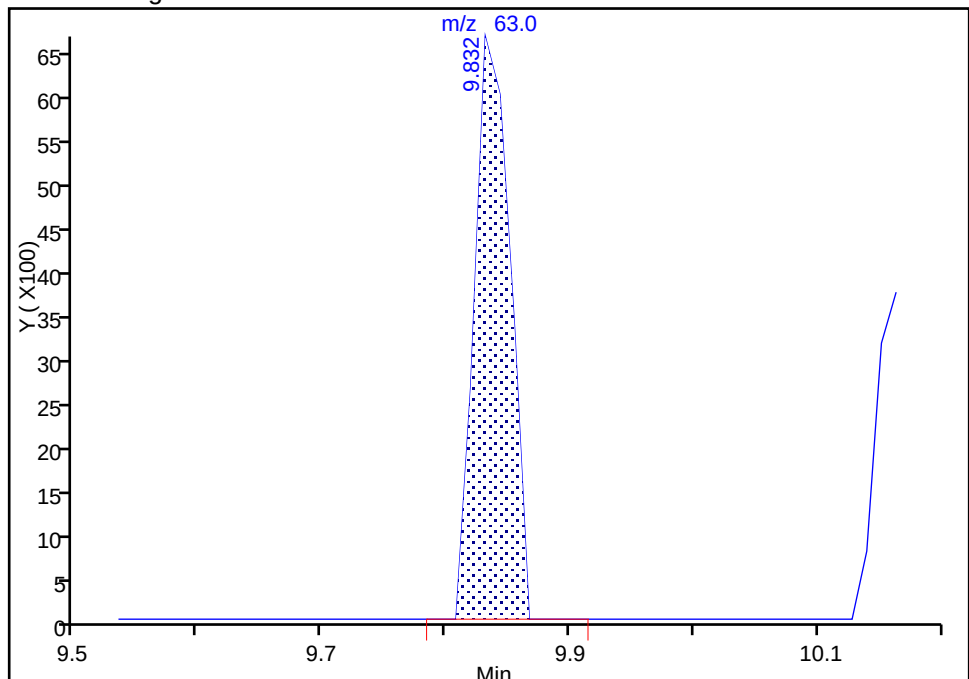
Signal: 1

Not Detected
Expected RT: 9.84

Processing Integration Results



Manual Integration Results



RT: 9.83
Area: 13235
Amount: 0.945282
Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:43:13

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

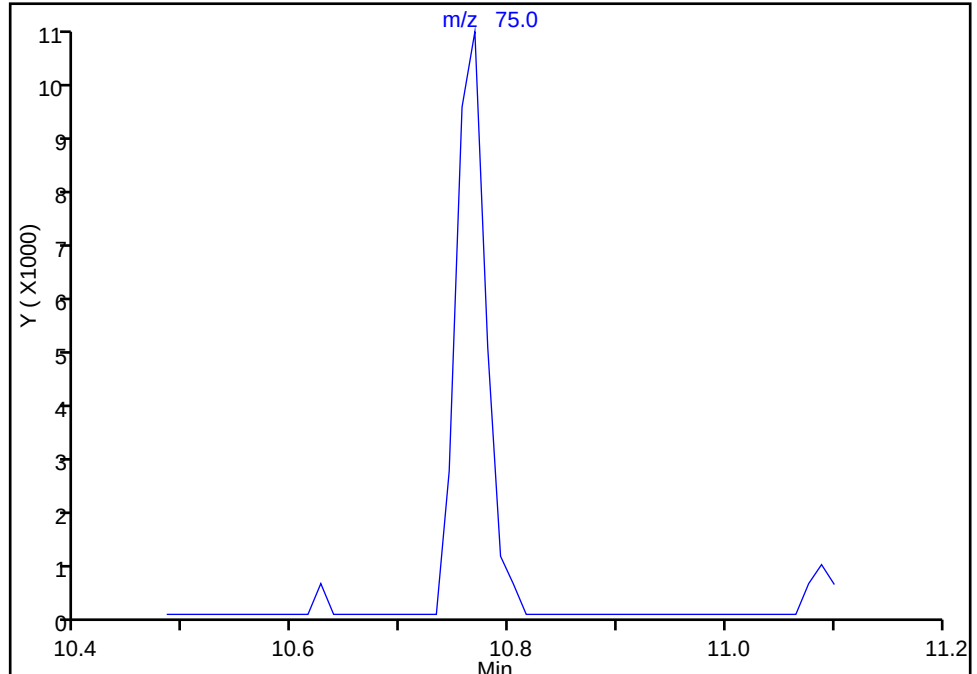
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1652.D
Injection Date: 11-Jan-2018 15:07:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RR ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

77 trans-1,3-Dichloropropene, CAS: 10061-02-6

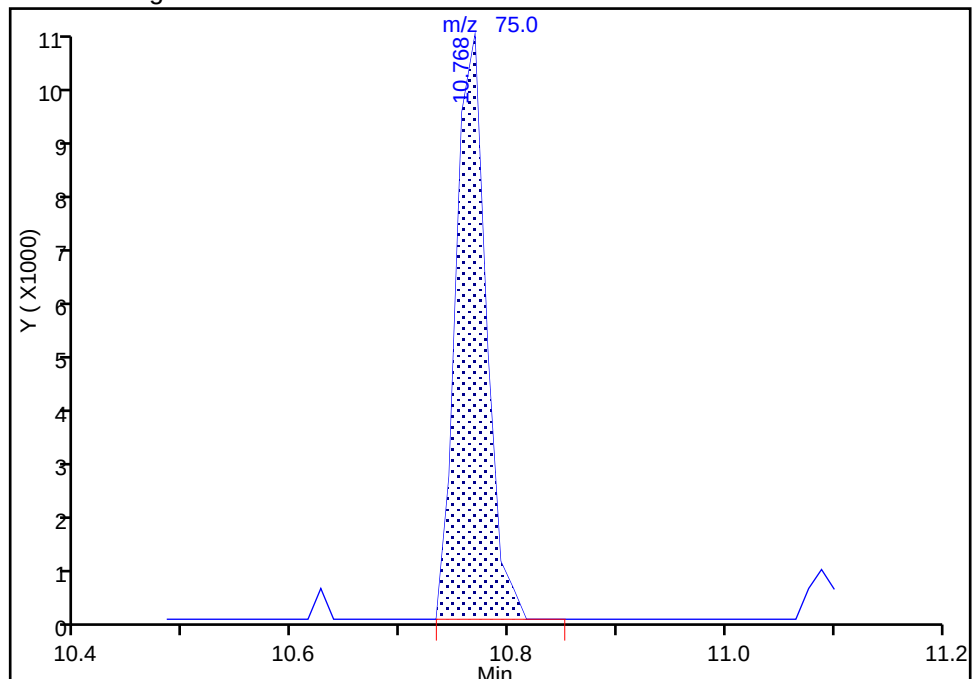
Signal: 1

Not Detected
Expected RT: 10.77

Processing Integration Results



Manual Integration Results



RT: 10.77
Area: 20569
Amount: 0.911897
Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:43:23

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

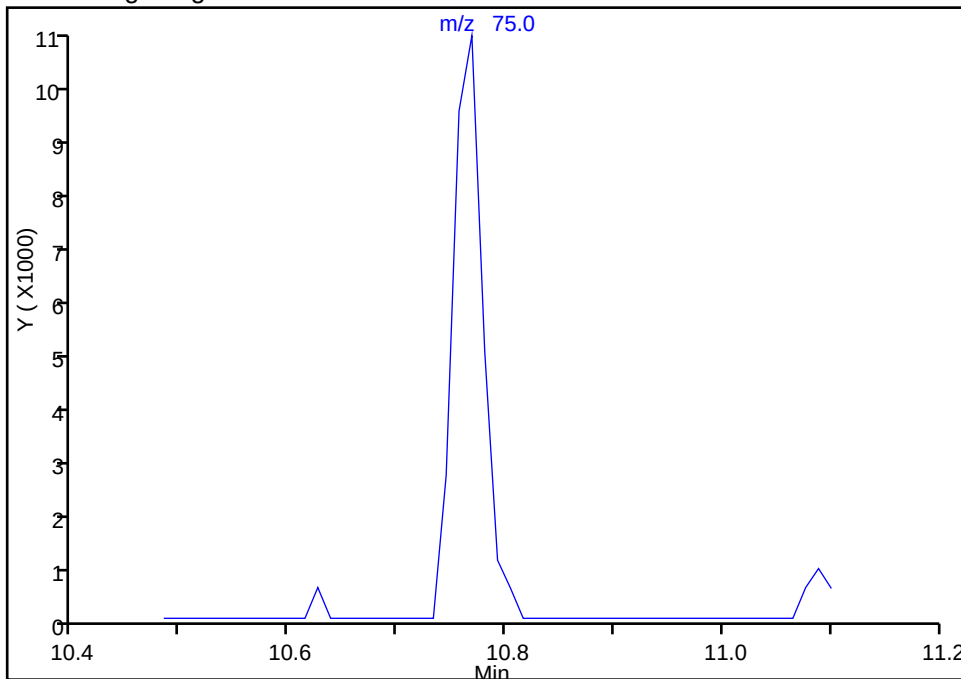
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1652.D
Injection Date: 11-Jan-2018 15:07:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RR ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

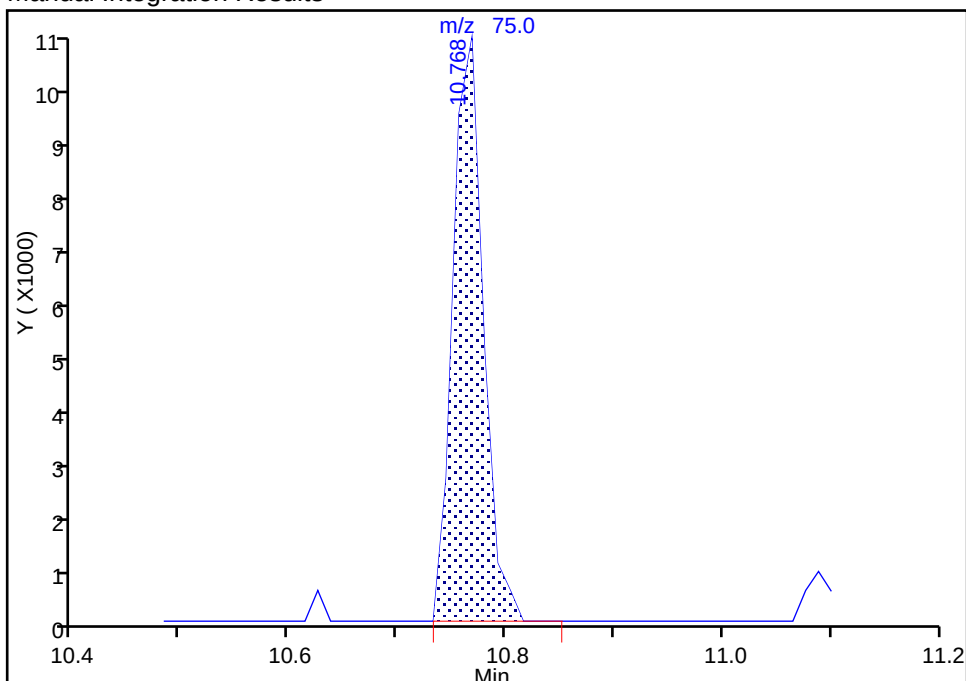
Not Detected
Expected RT: 10.77

Processing Integration Results



Manual Integration Results

RT: 10.77
Area: 20569
Amount: 0.911897
Amount Units: ug/L



Reviewer: reiler, 12-Jan-2018 09:43:24

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1652.D

Injection Date: 11-Jan-2018 15:07:30

Instrument ID: HP5973C

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

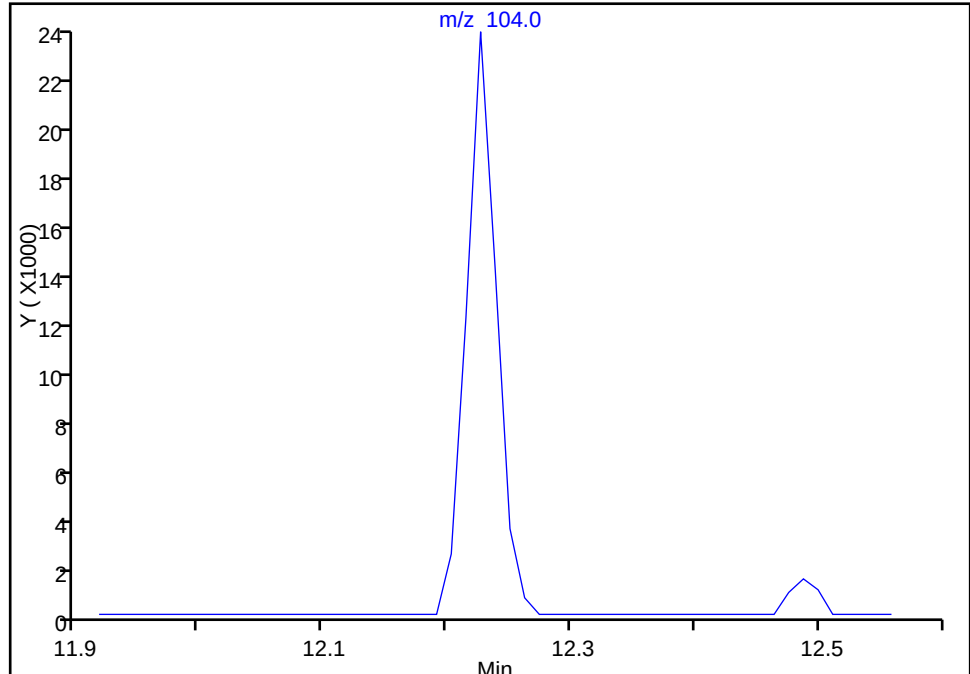
92 Styrene, CAS: 100-42-5

Signal: 1

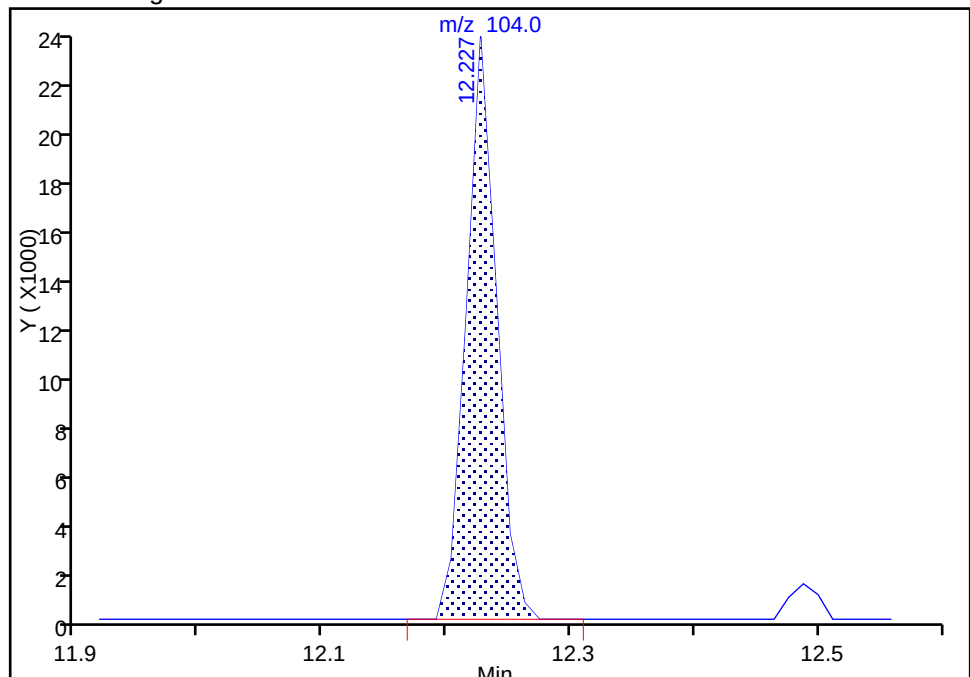
Not Detected

Expected RT: 12.23

Processing Integration Results



Manual Integration Results



RT: 12.23

Area: 39426

Amount: 0.886574

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:43:33

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1652.D

Injection Date: 11-Jan-2018 15:07:30

Instrument ID: HP5973C

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

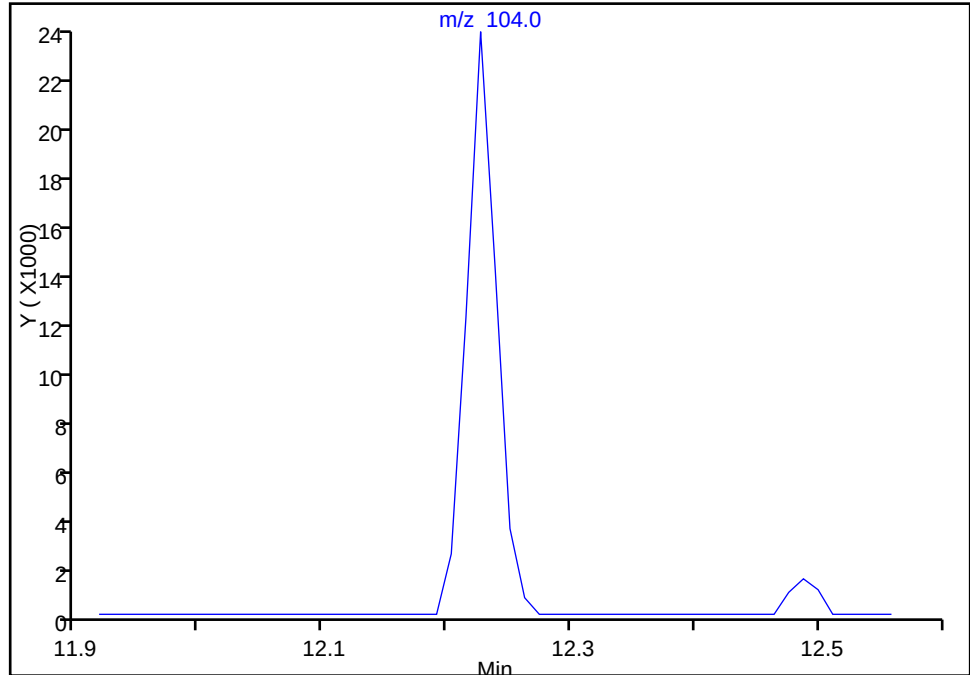
92 Styrene, CAS: 100-42-5

Signal: 1

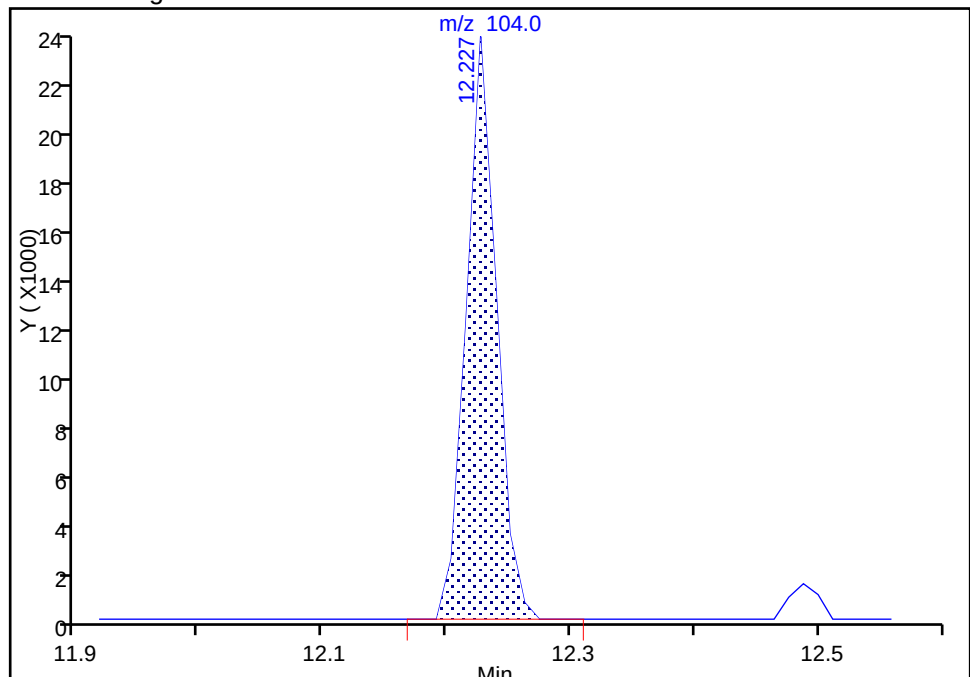
Not Detected

Expected RT: 12.23

Processing Integration Results



Manual Integration Results



RT: 12.23

Area: 39426

Amount: 0.886574

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:43:34

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1652.D

Injection Date: 11-Jan-2018 15:07:30

Instrument ID: HP5973C

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

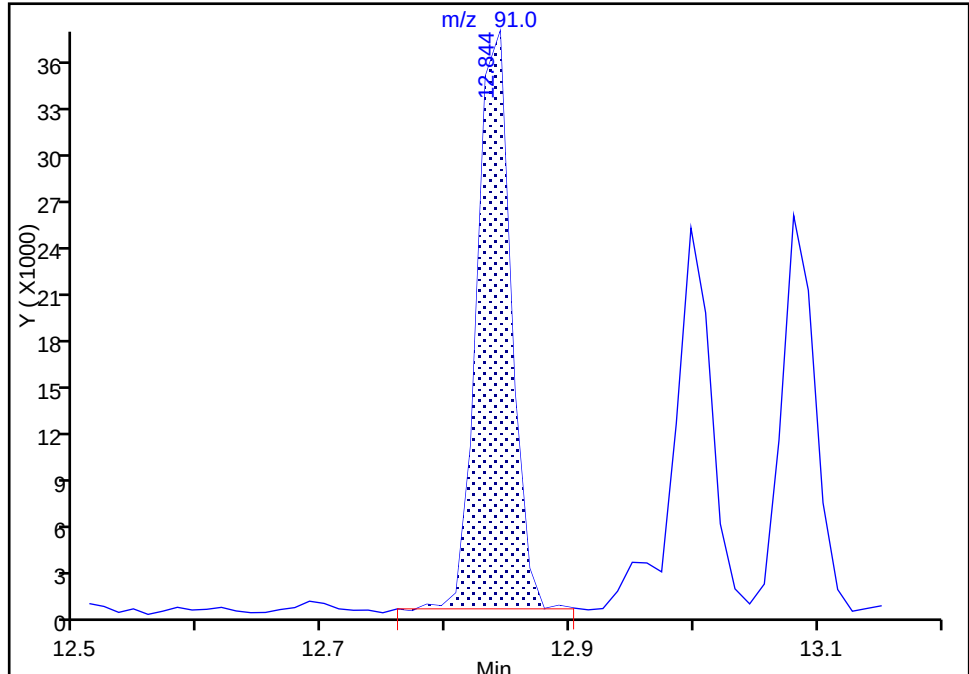
Detector: MS SCAN

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

Signal: 1

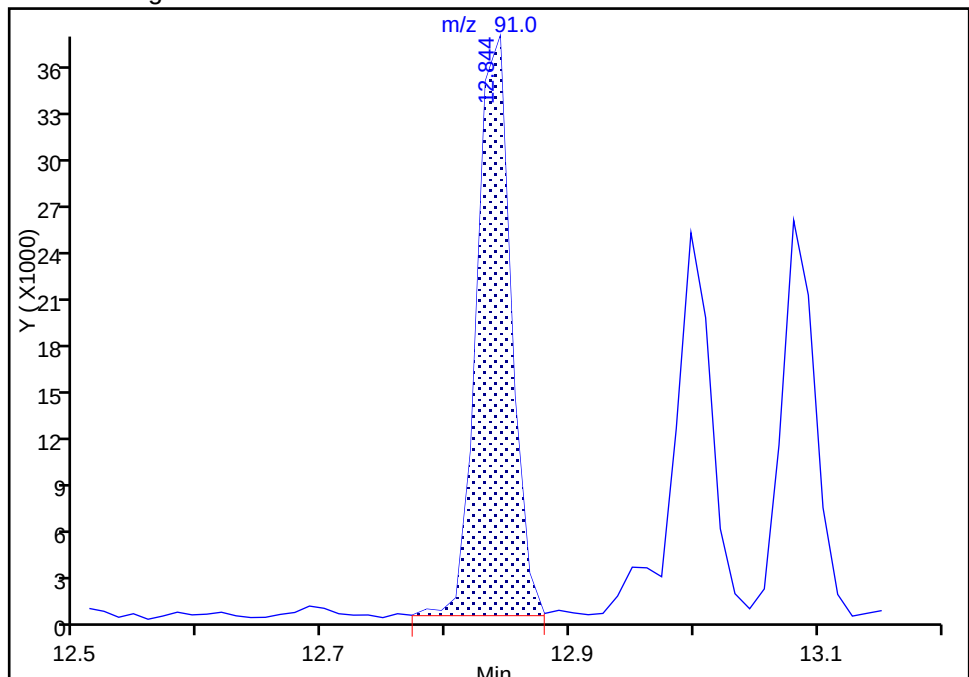
RT: 12.84
Area: 70232
Amount: 0.892046
Amount Units: ug/L

Processing Integration Results



RT: 12.84
Area: 70929
Amount: 0.899903
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:44:39

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1652.D

Injection Date: 11-Jan-2018 15:07:30

Instrument ID: HP5973C

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

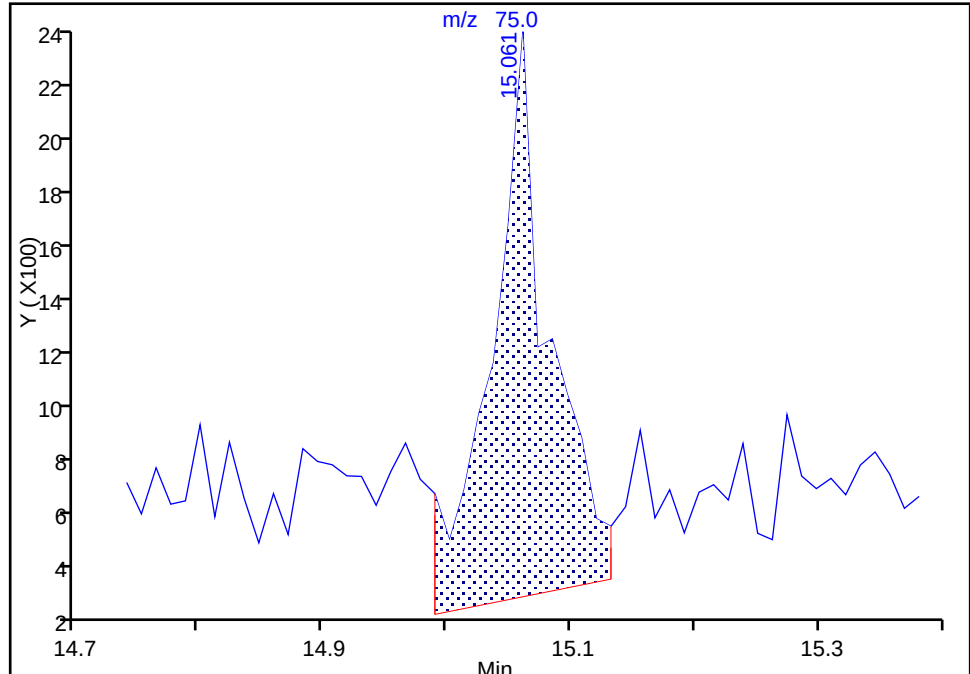
MS SCAN

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

Signal: 1

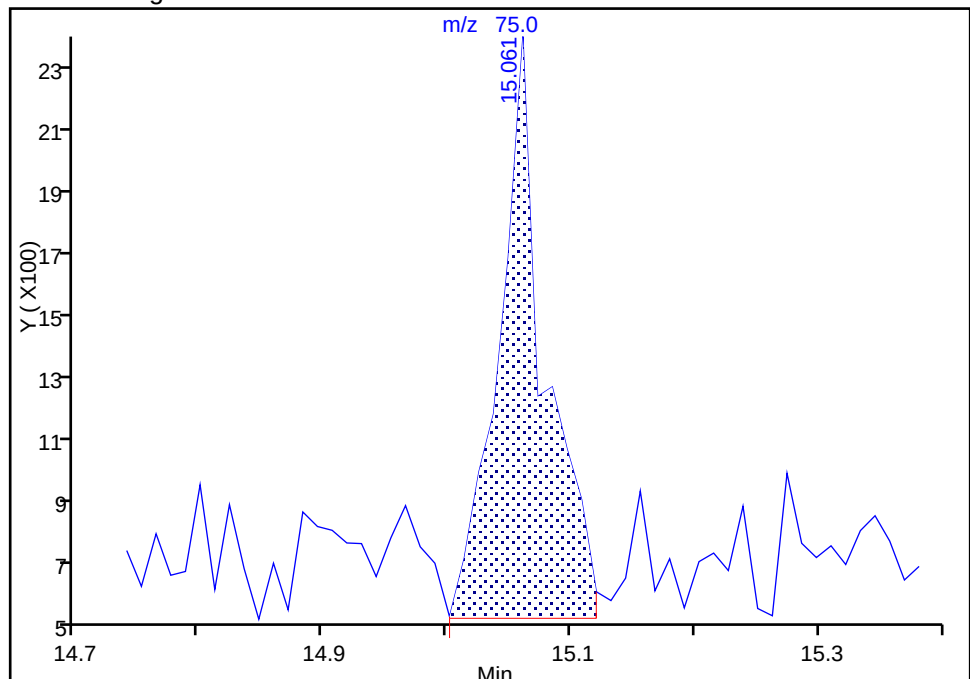
RT: 15.06
Area: 6761
Amount: 3.129299
Amount Units: ug/L

Processing Integration Results



RT: 15.06
Area: 4771
Amount: 1.326267
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:44:50

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1653.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 11-Jan-2018 15:32:30 ALS Bottle#: 6 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic 2
 Misc. Info.: 480-0068523-008
 Operator ID: RR Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-Jan-2018 13:13:47 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK024

First Level Reviewer: reiler

Date: 12-Jan-2018 09:40:37

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	9.345	9.345	0.000	99	180663	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.753	11.753	0.000	85	384993	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	95	408082	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	246993	25.0	24.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	97	138731	25.0	24.9	
\$ 5 Toluene-d8 (Surr)	98	10.567	10.567	0.000	93	908027	25.0	25.3	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.689	0.000	91	327337	25.0	25.0	
10 Dichlorodifluoromethane	85	4.448	4.460	-0.012	97	34400	2.00	1.92	
12 Chloromethane	50	4.875	4.875	0.000	98	35759	2.00	2.09	M
13 Vinyl chloride	62	5.088	5.088	0.000	97	37663	2.00	2.07	
151 Butadiene	54	5.136	5.147	-0.011	1	32008	2.00	2.04	M
14 Bromomethane	94	5.705	5.705	0.000	93	30218	2.00	2.07	
15 Chloroethane	64	5.823	5.823	0.000	98	22432	2.00	2.02	
16 Dichlorofluoromethane	67	6.108	6.096	0.012	97	60438	2.00	2.06	
17 Trichlorofluoromethane	101	6.179	6.179	0.000	97	55554	2.00	1.94	
18 Ethyl ether	59	6.476	6.476	0.000	93	21096	2.00	1.97	
20 Acrolein	56	6.701	6.689	0.012	96	17507	10.0	9.34	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	91	27211	2.00	1.94	
22 1,1-Dichloroethene	96	6.808	6.808	0.000	97	30266	2.00	2.17	
23 Acetone	43	6.855	6.843	0.012	99	47123	10.0	10.4	
25 Iodomethane	142	7.033	7.033	0.000	100	52481	2.00	1.91	
26 Carbon disulfide	76	7.128	7.128	0.000	99	103698	2.00	1.97	
27 Methyl acetate	43	7.151	7.140	0.011	97	36092	4.00	3.98	
28 3-Chloro-1-propene	41	7.175	7.175	0.000	77	41289	2.00	1.94	
30 Methylene Chloride	84	7.318	7.317	0.001	92	37824	2.00	2.21	
31 2-Methyl-2-propanol	59	7.329	7.329	0.000	98	30966	20.0	20.6	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	86	90269	2.00	2.01	
33 Acrylonitrile	53	7.543	7.531	0.012	97	85741	20.0	19.3	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	85	33479	2.00	2.11	M
35 Hexane	57	7.721	7.721	0.000	94	33064	2.00	2.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.899	7.899	0.000	97	99780	4.00	3.78	M
39 1,1-Dichloroethane	63	7.946	7.946	0.000	96	49167	2.00	1.95	
43 2-Butanone (MEK)	43	8.408	8.397	0.011	100	58645	10.0	9.63	
44 2,2-Dichloropropane	77	8.444	8.444	0.000	68	47299	2.00	1.96	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.000	82	34725	2.00	1.95	
48 Chlorobromomethane	128	8.658	8.657	0.001	92	18033	2.00	2.00	
49 Tetrahydrofuran	42	8.681	8.681	0.000	86	16510	4.00	4.27	
50 Chloroform	83	8.669	8.681	-0.012	94	57030	2.00	2.03	
51 1,1,1-Trichloroethane	97	8.859	8.859	0.000	98	47527	2.00	1.93	
52 Cyclohexane	56	8.907	8.907	0.000	82	42104	2.00	1.87	
53 Isobutyl alcohol	43	8.918	8.918	0.000	74	33037	50.0	50.7	M
54 1,1-Dichloropropene	75	8.966	8.966	0.000	95	39290	2.00	1.96	
55 Carbon tetrachloride	117	9.001	9.001	0.000	97	44345	2.00	1.99	
57 Benzene	78	9.167	9.167	0.000	95	116493	2.00	1.99	
58 1,2-Dichloroethane	62	9.179	9.179	0.000	96	45372	2.00	2.02	
59 n-Heptane	43	9.191	9.203	-0.012	91	30743	2.00	2.06	
62 Trichloroethene	95	9.642	9.642	0.000	93	30475	2.00	1.88	
64 Methylcyclohexane	83	9.784	9.796	-0.012	89	41335	2.00	1.90	
65 1,2-Dichloropropane	63	9.832	9.843	-0.011	77	27462	2.00	1.94	
66 1,4-Dioxane	88	9.915	9.903	0.012	1	4942	40.0	41.1	M
67 Dibromomethane	93	9.962	9.962	0.000	94	20238	2.00	2.00	
68 Dichlorobromomethane	83	10.033	10.033	0.000	97	39811	2.00	1.84	
69 2-Chloroethyl vinyl ether	63	10.164	10.164	0.000	93	15721	2.00	1.88	
72 cis-1,3-Dichloropropene	75	10.353	10.353	0.000	97	46096	2.00	1.91	
73 4-Methyl-2-pentanone (MIBK)	43	10.389	10.389	0.000	96	114137	10.0	9.53	
74 Toluene	92	10.626	10.626	0.000	98	72043	2.00	1.95	
75 Ethyl methacrylate	69	10.697	10.697	0.000	89	29611	2.00	1.90	
77 trans-1,3-Dichloropropene	75	10.768	10.768	0.000	94	43974	2.00	1.96	
79 1,1,2-Trichloroethane	83	10.946	10.946	0.000	91	20666	2.00	1.96	
80 2-Hexanone	43	11.029	11.029	0.000	96	85796	10.0	9.77	
81 Tetrachloroethene	166	11.077	11.077	0.000	95	34627	2.00	2.00	
82 1,3-Dichloropropane	76	11.089	11.088	0.001	93	43215	2.00	1.98	
83 Chlorodibromomethane	129	11.314	11.314	0.000	91	31326	2.00	1.86	
84 Ethylene Dibromide	107	11.444	11.444	0.000	99	26997	2.00	1.99	
87 Chlorobenzene	112	11.776	11.776	0.000	91	87700	2.00	1.98	
88 Ethylbenzene	91	11.788	11.788	0.000	96	131661	2.00	1.92	
89 1,1,1,2-Tetrachloroethane	131	11.812	11.812	0.000	93	32828	2.00	1.96	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	96	54604	2.00	1.97	
91 o-Xylene	106	12.215	12.215	0.000	97	52546	2.00	1.94	
92 Styrene	104	12.227	12.227	0.000	1	84380	2.00	1.91	M
94 Isopropylbenzene	105	12.488	12.488	0.000	93	137162	2.00	1.97	
95 Bromoform	173	12.500	12.500	0.000	96	20775	2.00	1.96	
97 1,1,2,2-Tetrachloroethane	83	12.761	12.761	0.000	98	32169	2.00	1.96	
98 trans-1,4-Dichloro-2-buten	53	12.796	12.796	0.000	90	9809	2.00	2.05	
99 N-Propylbenzene	91	12.844	12.844	0.000	98	153975	2.00	1.94	
100 1,2,3-Trichloropropane	110	12.844	12.844	0.000	49	10863	2.00	1.99	
101 Bromobenzene	156	12.891	12.891	0.000	91	41379	2.00	2.05	
102 1,3,5-Trimethylbenzene	105	12.950	12.950	0.000	94	116137	2.00	1.97	
103 2-Chlorotoluene	126	12.998	12.998	0.000	97	35478	2.00	1.97	
105 4-Chlorotoluene	126	13.081	13.093	-0.012	98	36969	2.00	1.97	
106 tert-Butylbenzene	134	13.282	13.282	0.000	92	27661	2.00	2.02	
107 1,2,4-Trimethylbenzene	105	13.318	13.330	-0.012	95	120844	2.00	1.93	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.484	0.000	95	135726	2.00	1.93	
110 4-Isopropyltoluene	119	13.579	13.579	0.000	96	119327	2.00	1.92	
111 1,3-Dichlorobenzene	146	13.709	13.709	0.000	97	74259	2.00	1.96	
113 1,4-Dichlorobenzene	146	13.780	13.780	0.000	95	77013	2.00	2.01	
115 n-Butylbenzene	91	13.994	13.994	0.000	98	100546	2.00	1.91	
116 1,2-Dichlorobenzene	146	14.195	14.195	0.000	97	71196	2.00	1.95	
117 1,2-Dibromo-3-Chloropropan	75	15.061	15.061	0.000	86	7825	2.00	2.16	
119 1,2,4-Trichlorobenzene	180	16.105	16.105	0.000	94	51598	2.00	2.01	
120 Hexachlorobutadiene	225	16.223	16.223	0.000	95	19626	2.00	1.95	
121 Naphthalene	128	16.532	16.532	0.000	97	121274	2.00	1.92	
122 1,2,3-Trichlorobenzene	180	16.887	16.887	0.000	94	46896	2.00	1.93	
S 125 1,2-Dichloroethene, Total	1				0			4.06	
S 126 1,3-Dichloropropene, Total	1				0			3.87	
S 123 Total BTEX	1				0			9.78	
S 124 Xylenes, Total	1				0			3.91	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00118

Amount Added: 2.00

Units: uL

GAS CORP mix_00259

Amount Added: 2.00

Units: uL

C_8260_IS_00105

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00121

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180111-68523.b\\C1653.D

Injection Date: 11-Jan-2018 15:32:30

Instrument ID: HP5973C

Operator ID: RR

Lims ID: IC 2

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

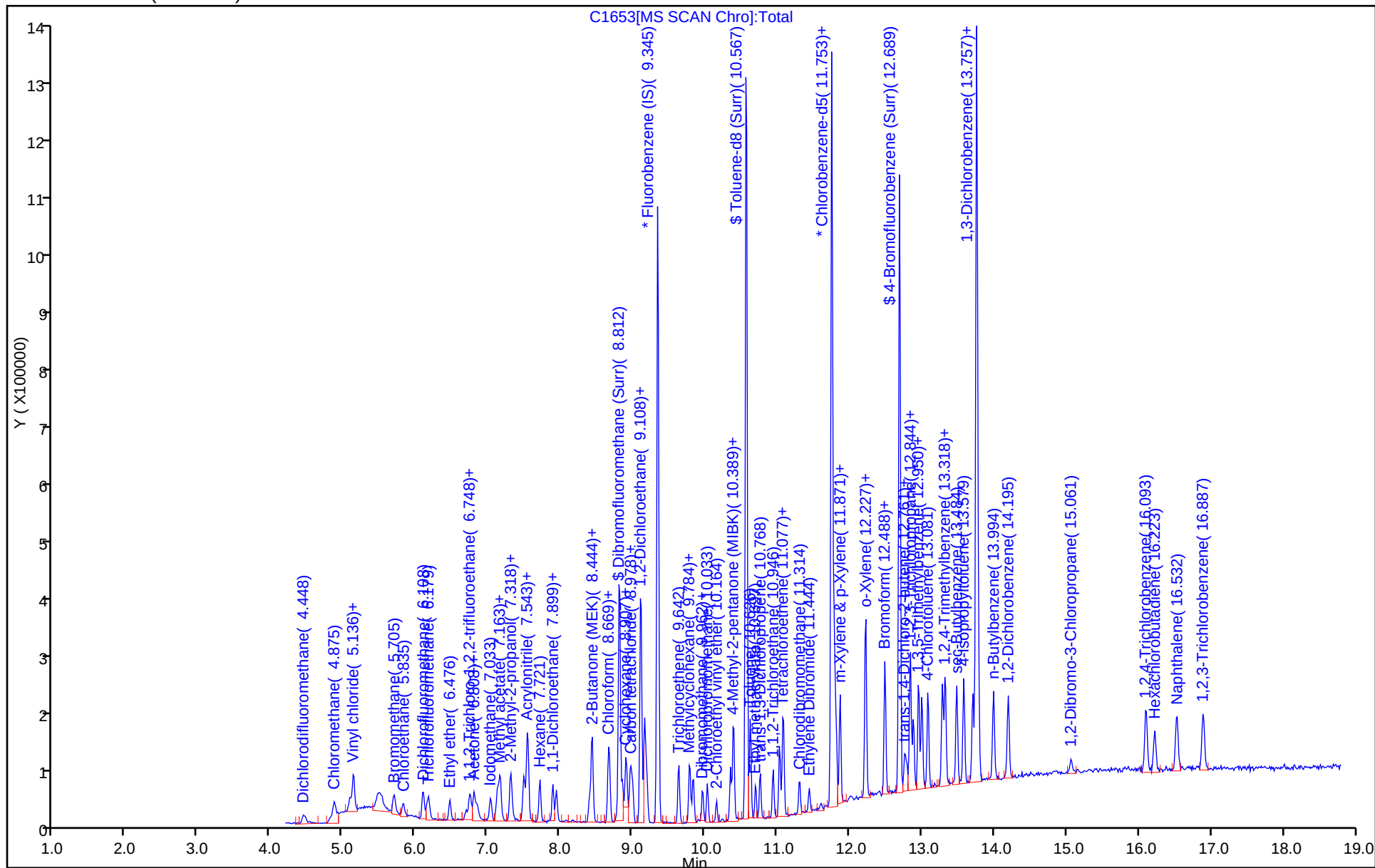
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1653.D

Injection Date: 11-Jan-2018 15:32:30

Instrument ID: HP5973C

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

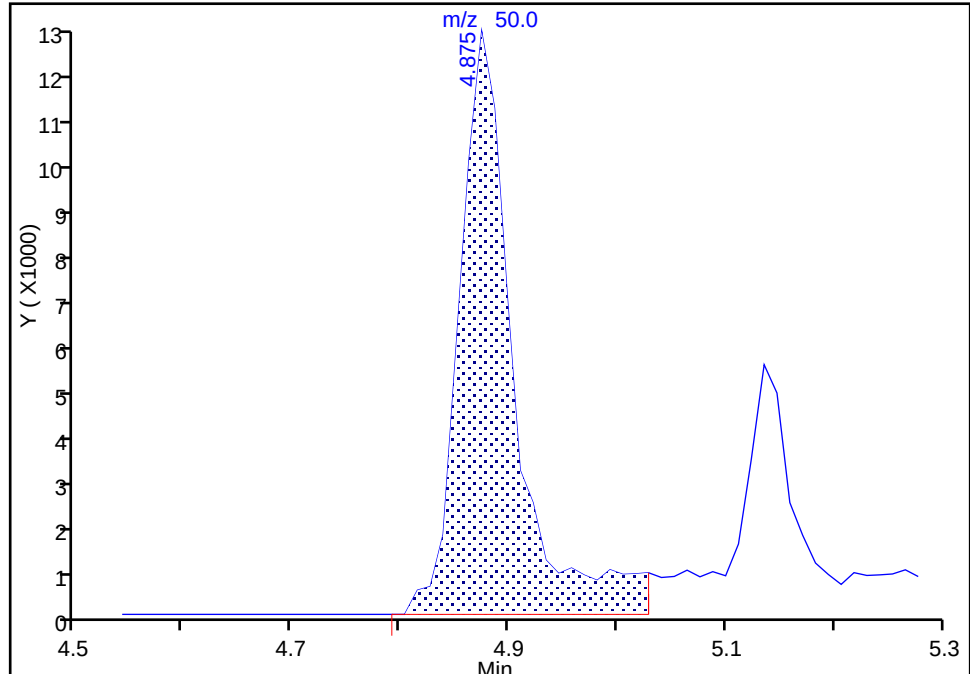
Detector: MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

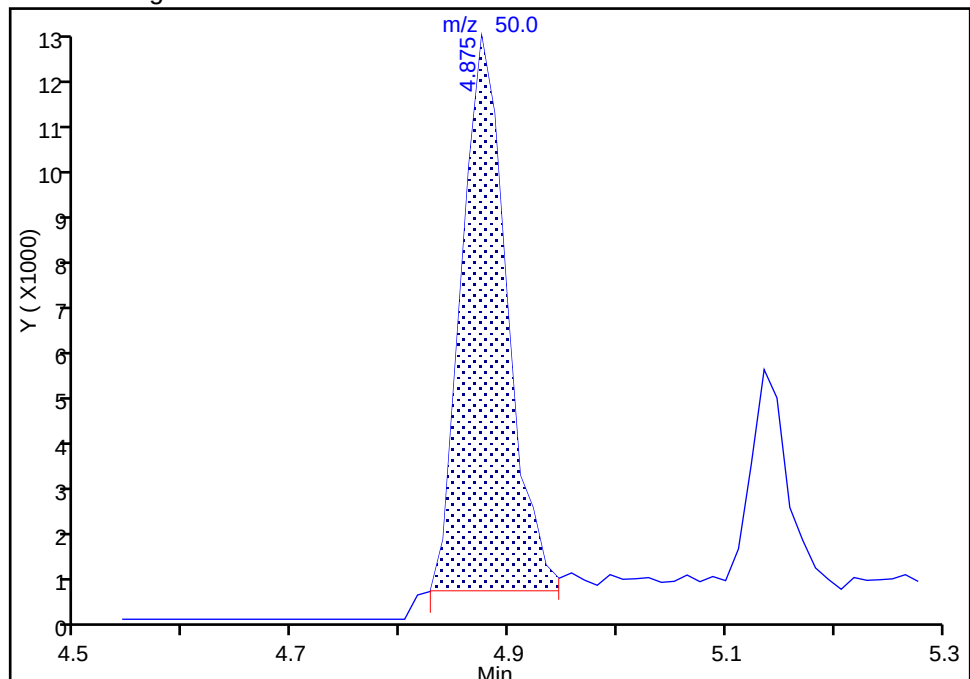
RT: 4.87
Area: 45580
Amount: 2.478803
Amount Units: ug/L

Processing Integration Results



RT: 4.87
Area: 35759
Amount: 2.086789
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:40:34

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1653.D

Injection Date: 11-Jan-2018 15:32:30

Instrument ID: HP5973C

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#: 6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

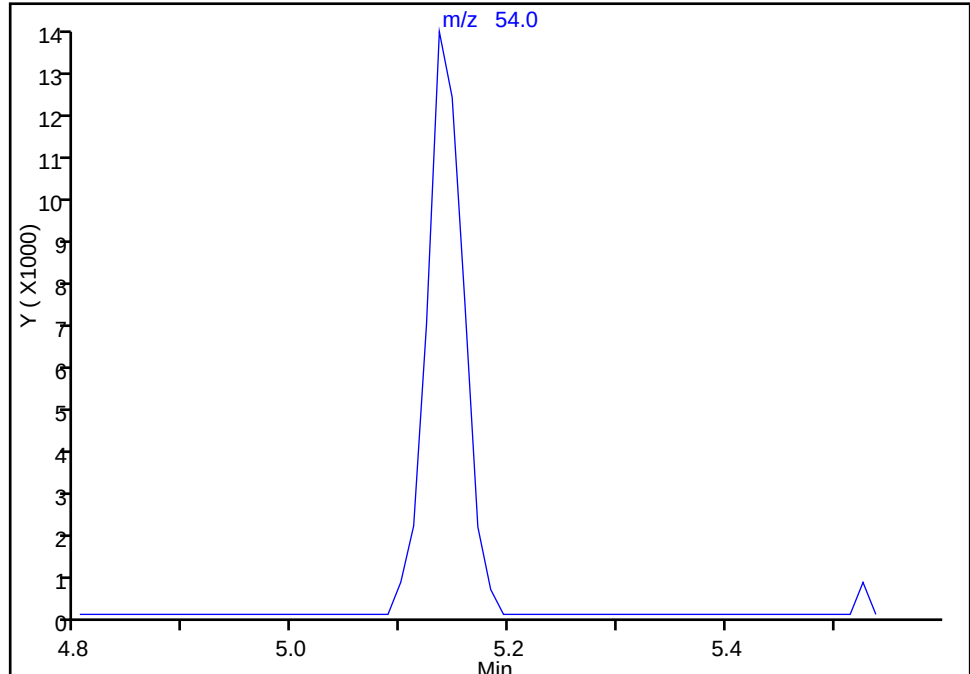
151 Butadiene, CAS: 106-99-0

Signal: 1

Not Detected

Expected RT: 5.15

Processing Integration Results



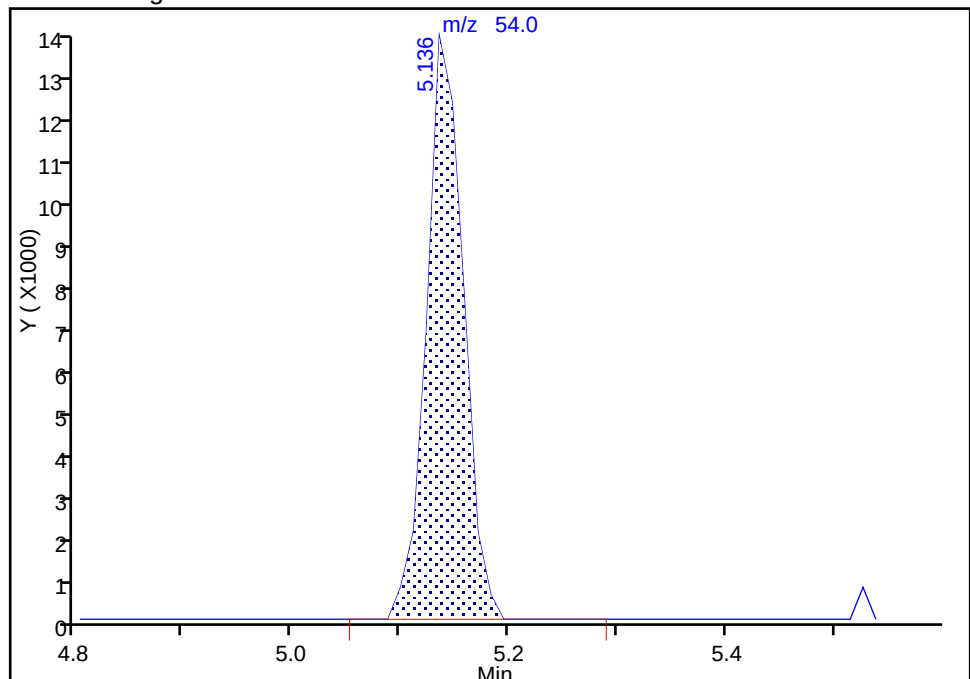
RT: 5.14

Area: 32008

Amount: 2.035273

Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:45:09

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1653.D

Injection Date: 11-Jan-2018 15:32:30

Instrument ID: HP5973C

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

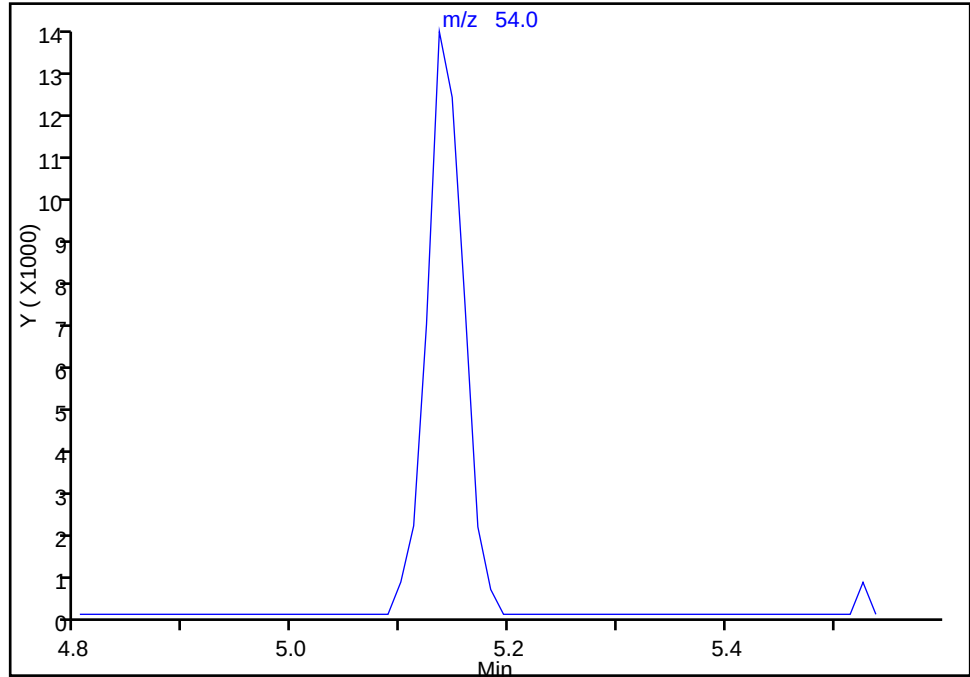
151 Butadiene, CAS: 106-99-0

Signal: 1

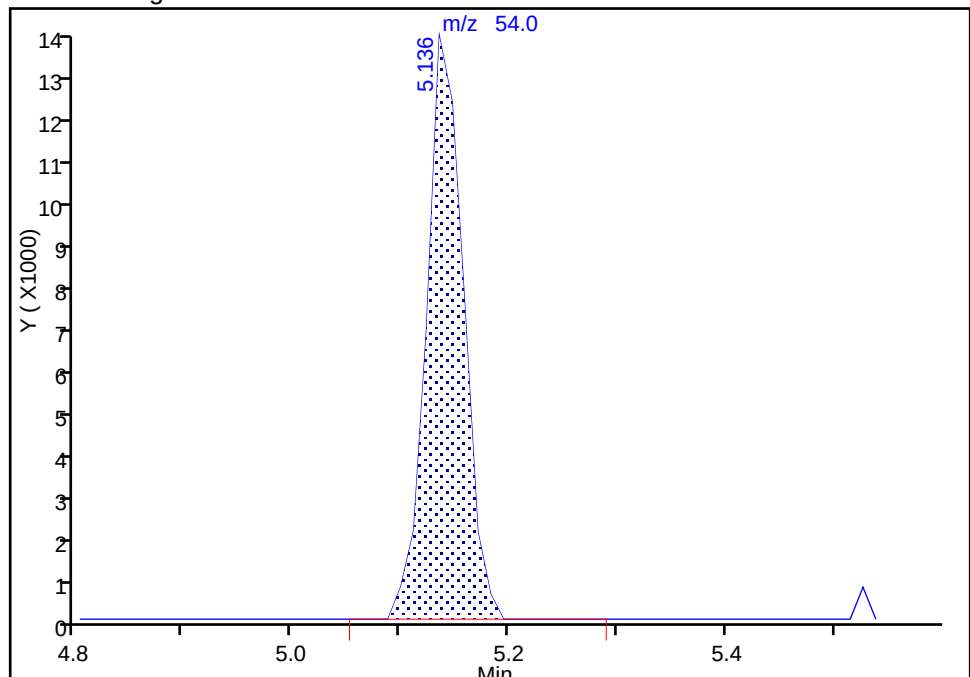
Not Detected

Expected RT: 5.15

Processing Integration Results



Manual Integration Results



RT: 5.14

Area: 32008

Amount: 2.035273

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:45:13

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1653.D

Injection Date: 11-Jan-2018 15:32:30

Instrument ID: HP5973C

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

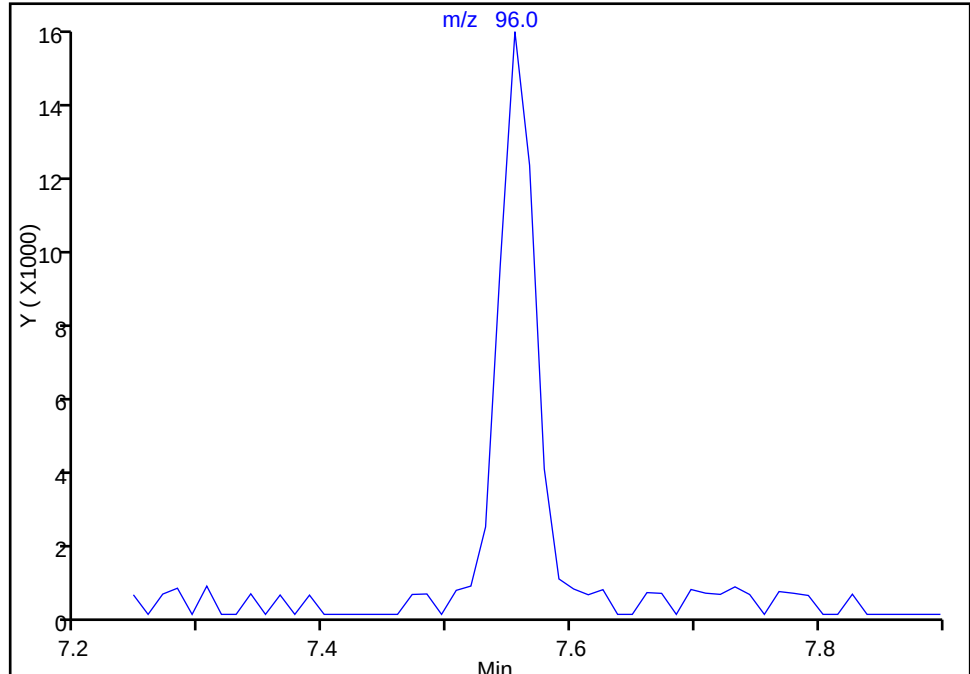
34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

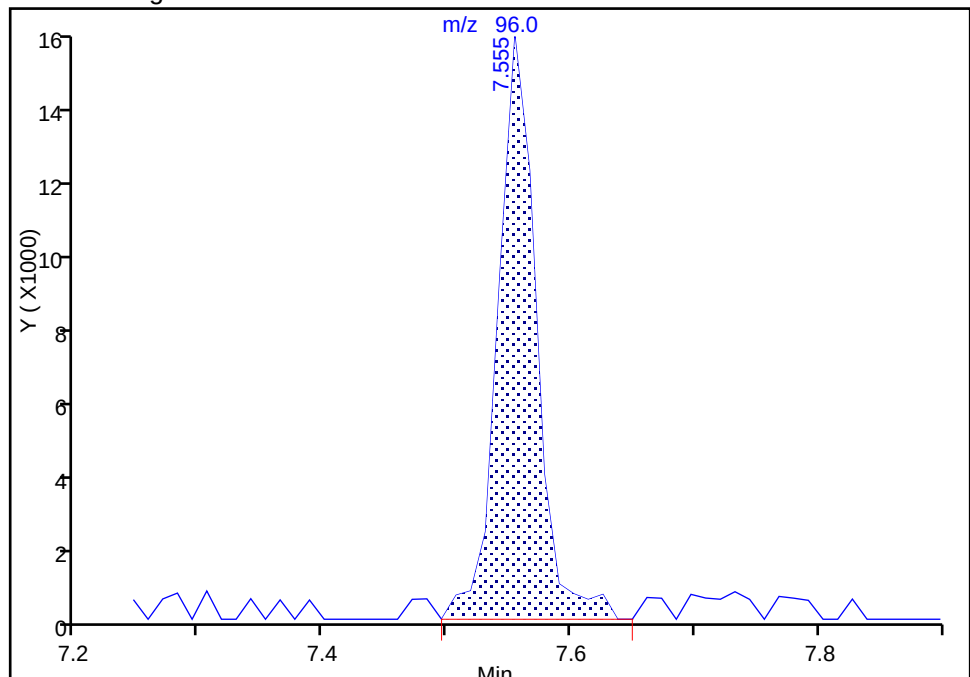
Not Detected

Expected RT: 7.55

Processing Integration Results



Manual Integration Results



RT: 7.55

Area: 33479

Amount: 2.109968

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:45:22

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1653.D

Injection Date: 11-Jan-2018 15:32:30

Instrument ID: HP5973C

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

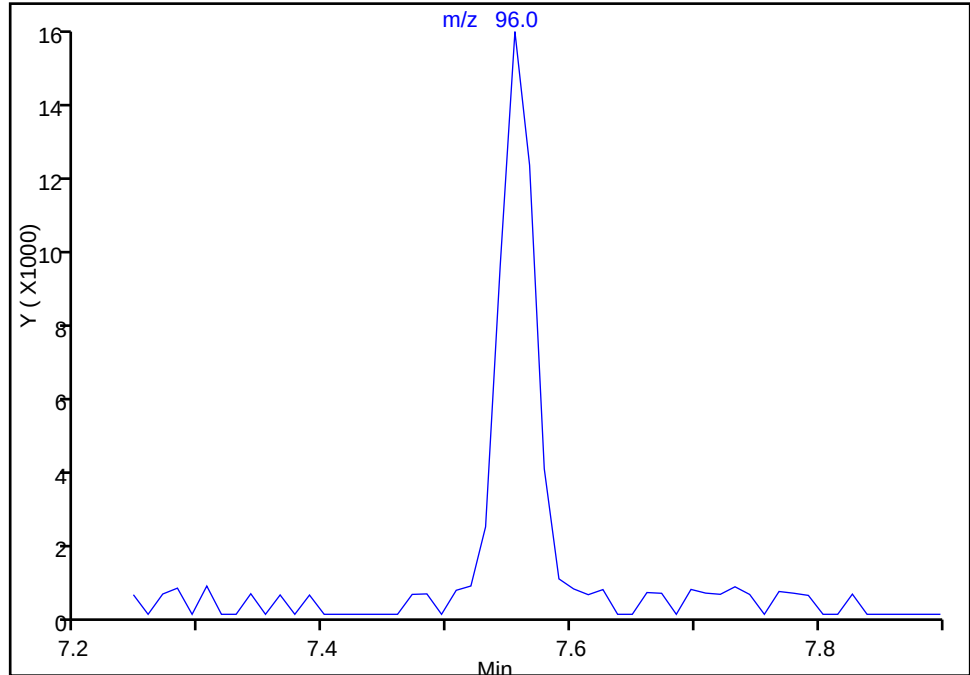
34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

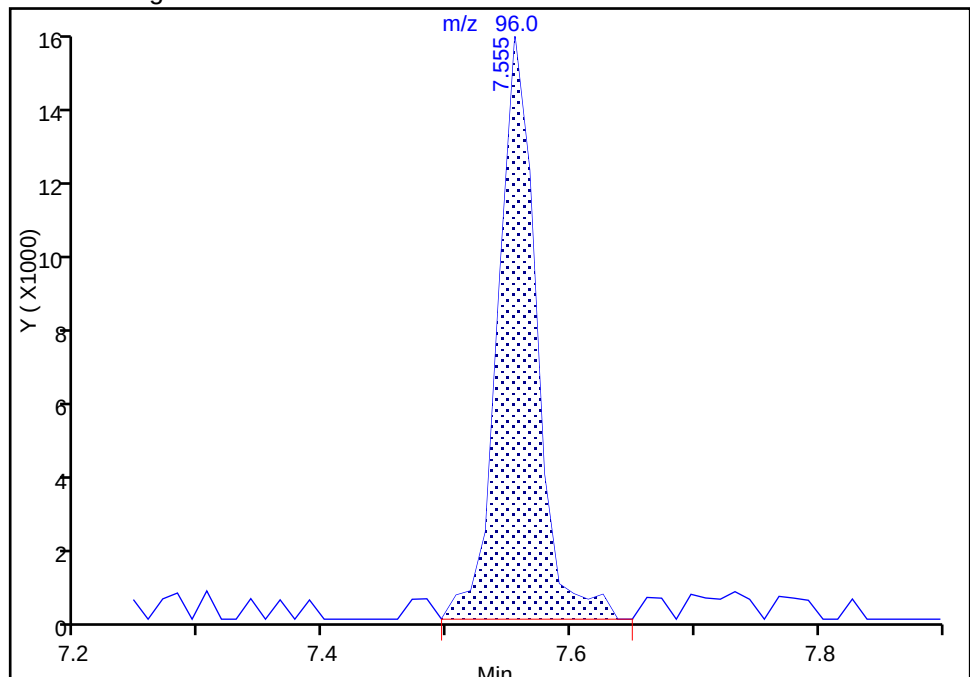
Not Detected

Expected RT: 7.55

Processing Integration Results



Manual Integration Results



RT: 7.55

Area: 33479

Amount: 2.109968

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:45:31

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1653.D

Injection Date: 11-Jan-2018 15:32:30

Instrument ID: HP5973C

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

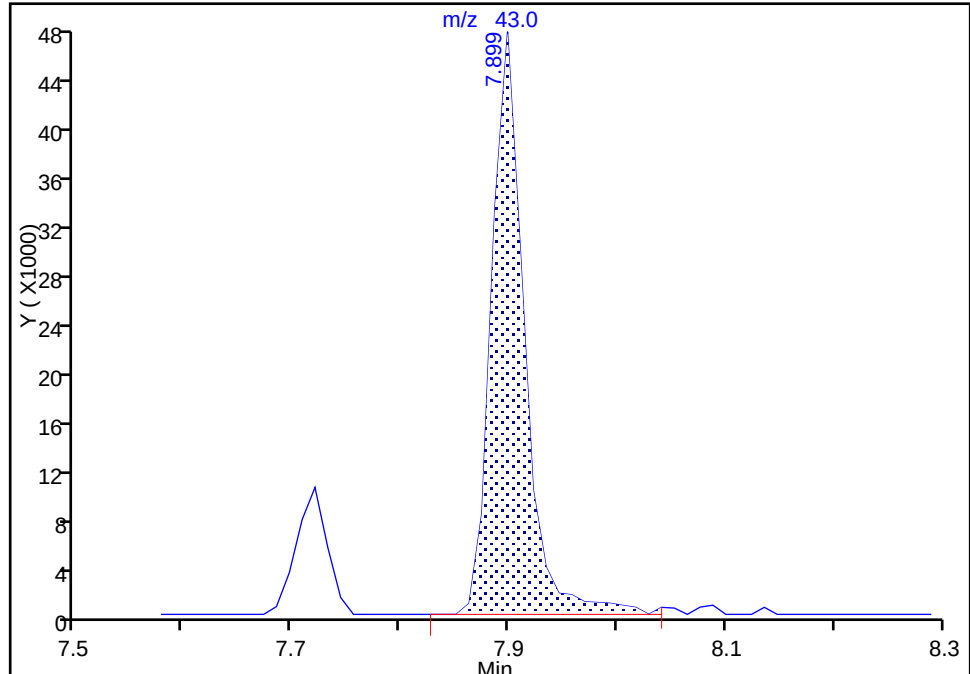
MS SCAN

37 Vinyl acetate, CAS: 108-05-4

Signal: 1

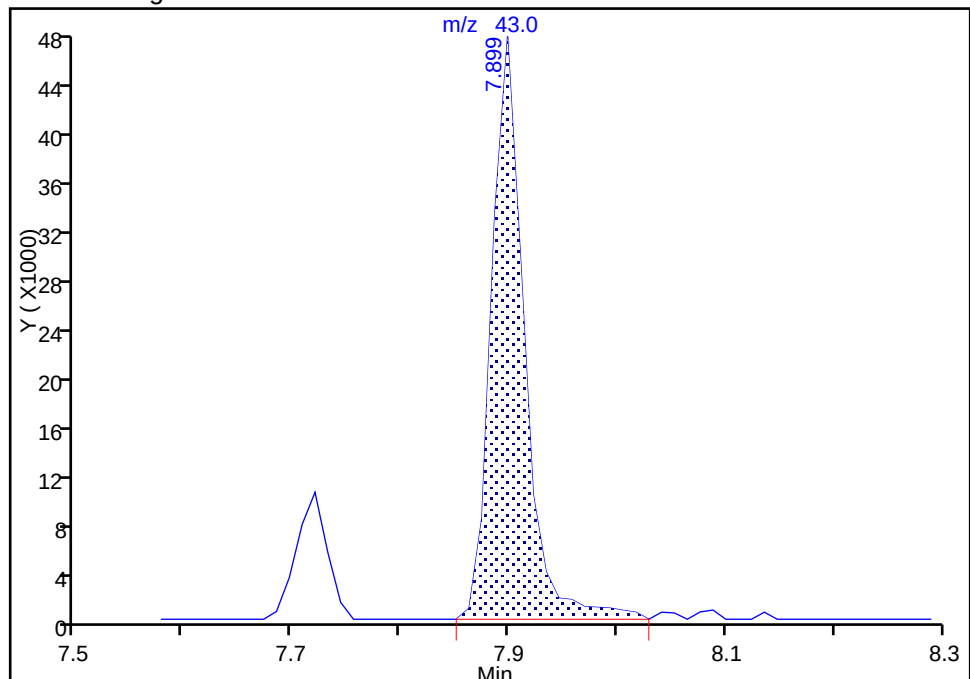
RT: 7.90
Area: 100190
Amount: 3.790735
Amount Units: ug/L

Processing Integration Results



RT: 7.90
Area: 99780
Amount: 3.777054
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:45:42

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1653.D

Injection Date: 11-Jan-2018 15:32:30

Instrument ID: HP5973C

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

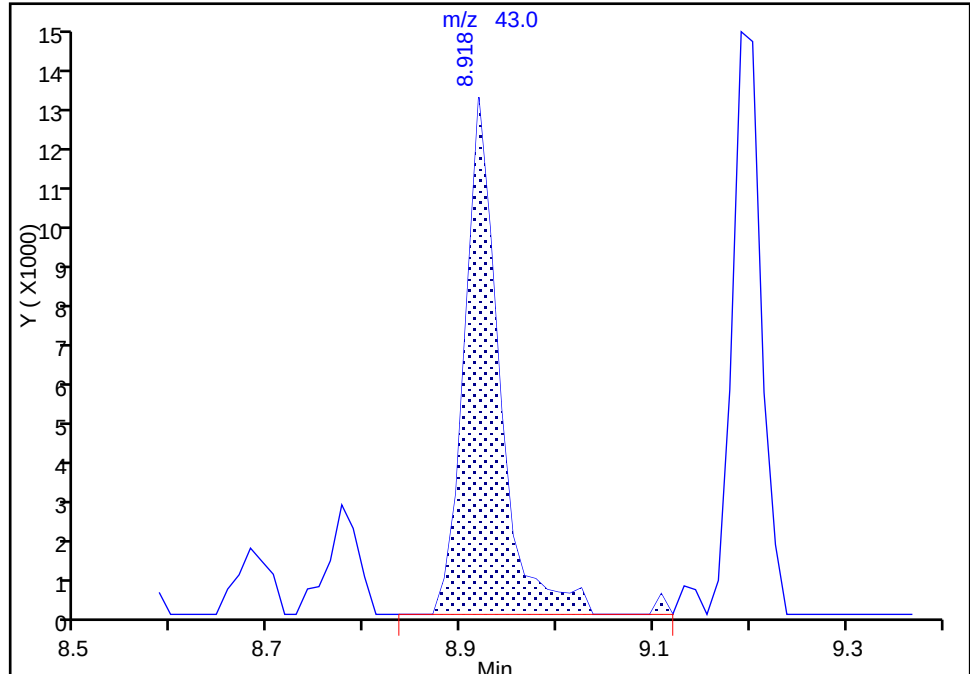
Detector: MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

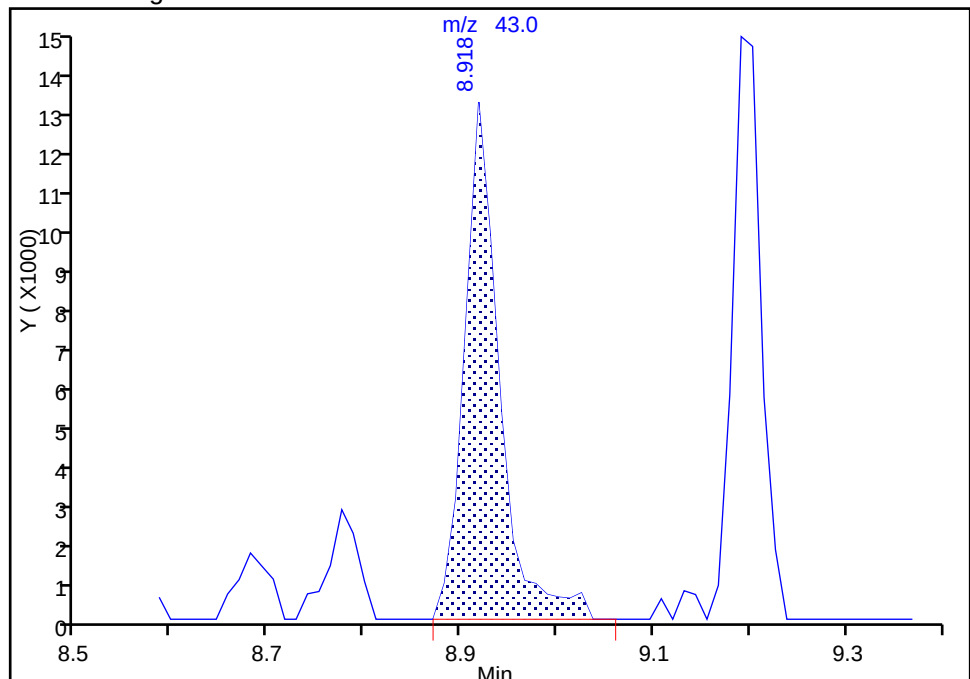
RT: 8.92
Area: 33408
Amount: 51.184970
Amount Units: ug/L

Processing Integration Results



RT: 8.92
Area: 33037
Amount: 50.688585
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:45:56

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1653.D

Injection Date: 11-Jan-2018 15:32:30

Instrument ID: HP5973C

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

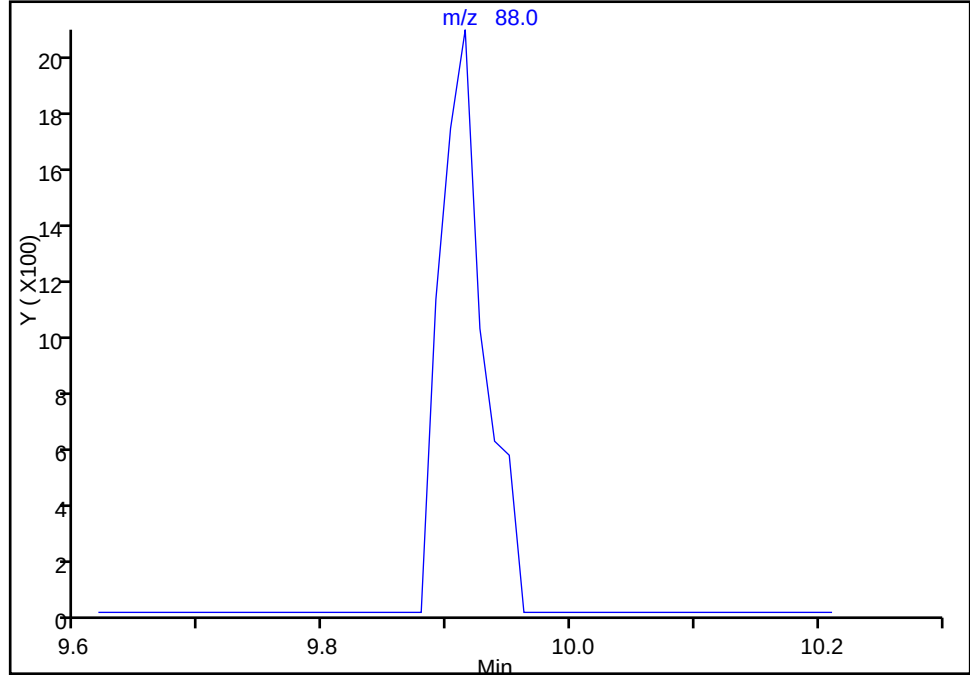
66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

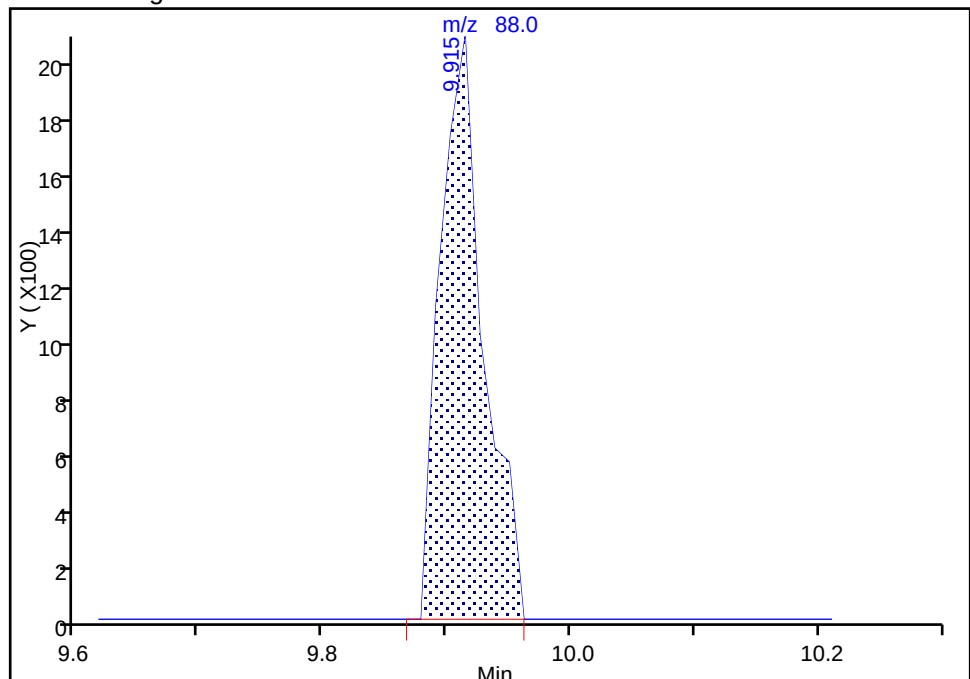
Not Detected

Expected RT: 9.90

Processing Integration Results



Manual Integration Results



RT: 9.91

Area: 4942

Amount: 41.136547

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:46:05

Audit Action: Assigned Compound ID

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1653.D

Injection Date: 11-Jan-2018 15:32:30

Instrument ID: HP5973C

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

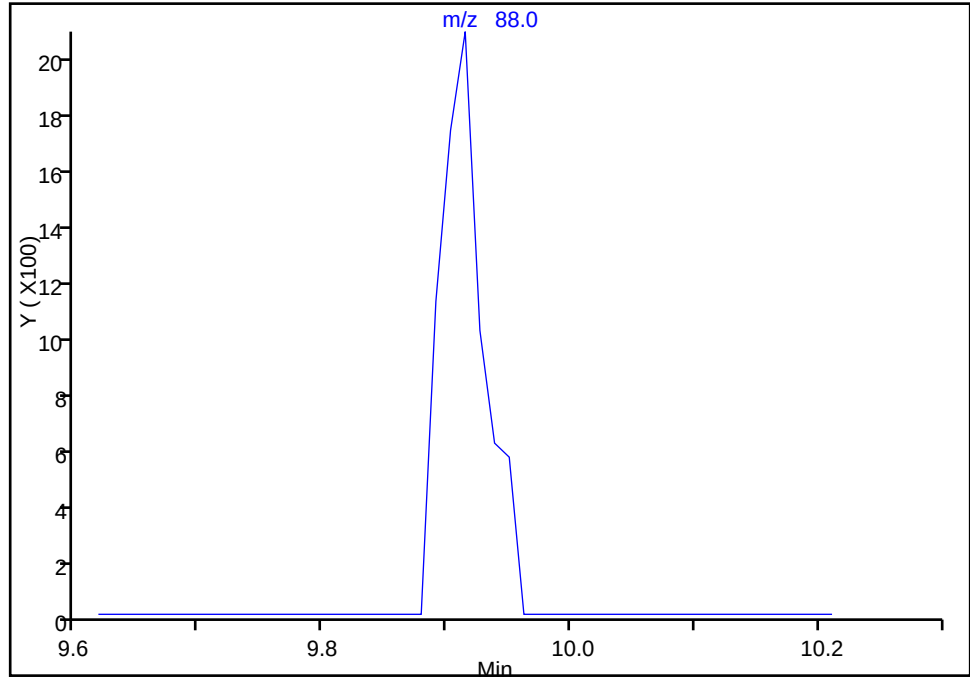
66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

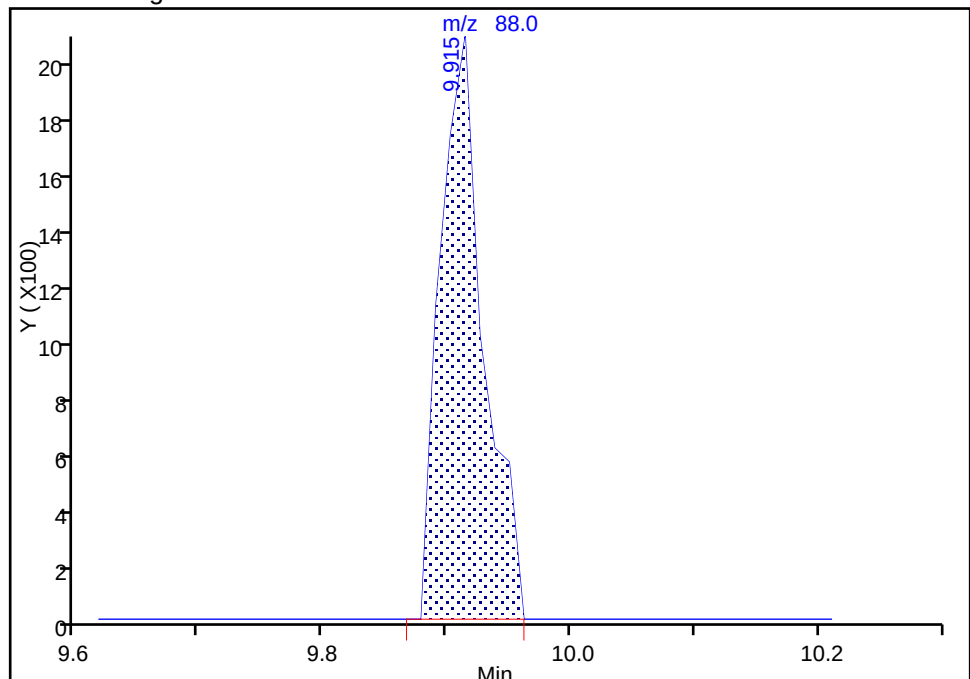
Not Detected

Expected RT: 9.90

Processing Integration Results



Manual Integration Results



RT: 9.91

Area: 4942

Amount: 41.136547

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:46:08

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1653.D

Injection Date: 11-Jan-2018 15:32:30

Instrument ID: HP5973C

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

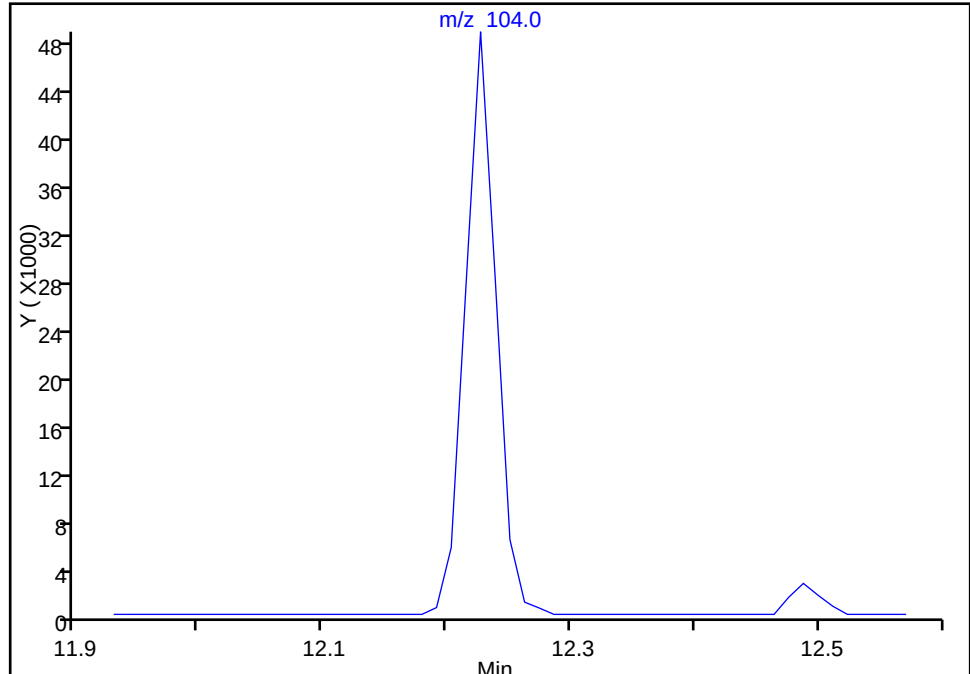
92 Styrene, CAS: 100-42-5

Signal: 1

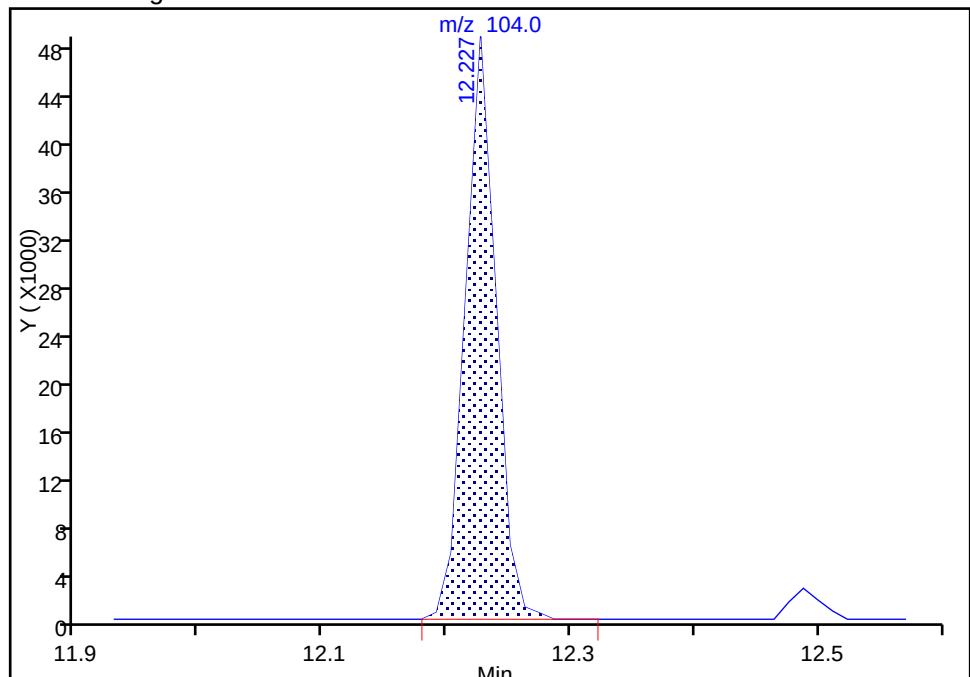
Not Detected

Expected RT: 12.23

Processing Integration Results



Manual Integration Results



RT: 12.23

Area: 84380

Amount: 1.906849

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:46:28

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1653.D

Injection Date: 11-Jan-2018 15:32:30

Instrument ID: HP5973C

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

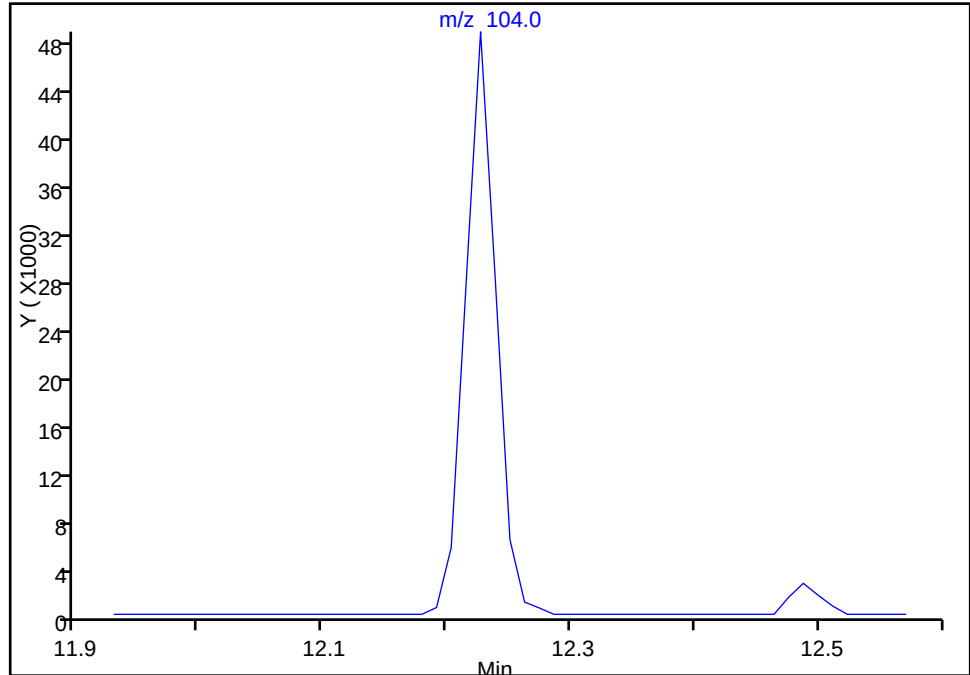
92 Styrene, CAS: 100-42-5

Signal: 1

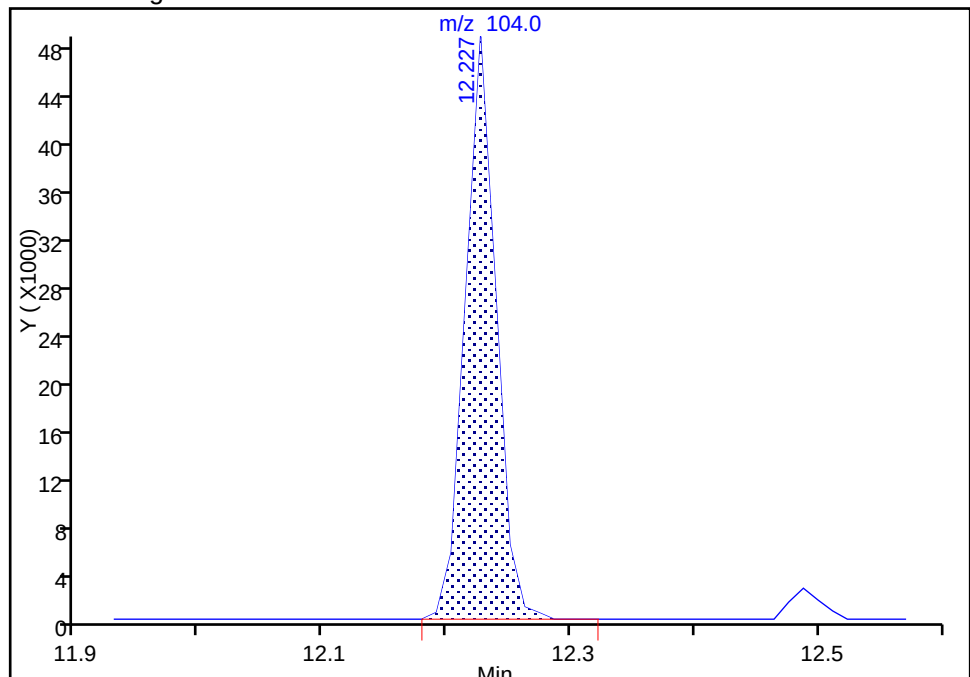
Not Detected

Expected RT: 12.23

Processing Integration Results



Manual Integration Results



RT: 12.23

Area: 84380

Amount: 1.906849

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 09:46:34

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1654.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Jan-2018 15:57:30 ALS Bottle#: 7 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic 3
 Misc. Info.: 480-0068523-009
 Operator ID: RR Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-Jan-2018 13:13:50 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK024

First Level Reviewer: reiler

Date: 12-Jan-2018 09:41:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.345	9.345	0.000	99	179234	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.753	11.753	0.000	86	391001	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	94	415128	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	249580	25.0	25.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	96	140726	25.0	25.5	
\$ 5 Toluene-d8 (Surr)	98	10.567	10.567	0.000	93	917715	25.0	25.2	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.689	0.000	89	334647	25.0	25.2	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	99	92088	5.00	5.17	
12 Chloromethane	50	4.875	4.875	0.000	99	80460	5.00	4.73	M
13 Vinyl chloride	62	5.088	5.088	0.000	98	91402	5.00	5.07	
151 Butadiene	54	5.136	5.136	0.000	95	78821	5.00	5.05	
14 Bromomethane	94	5.693	5.693	0.000	92	68912	5.00	4.75	
15 Chloroethane	64	5.823	5.823	0.000	99	54830	5.00	4.97	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	97	143510	5.00	4.93	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	97	142558	5.00	5.01	
18 Ethyl ether	59	6.476	6.476	0.000	89	50857	5.00	4.80	
20 Acrolein	56	6.689	6.689	0.000	98	43103	25.0	23.2	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	90	70347	5.00	5.06	
22 1,1-Dichloroethene	96	6.808	6.808	0.000	98	66872	5.00	4.82	
23 Acetone	43	6.843	6.843	0.000	99	106729	25.0	23.8	
25 Iodomethane	142	7.033	7.033	0.000	99	132772	5.00	4.88	
26 Carbon disulfide	76	7.128	7.128	0.000	100	257392	5.00	4.92	
27 Methyl acetate	43	7.140	7.140	0.000	97	88412	10.0	9.82	
28 3-Chloro-1-propene	41	7.163	7.163	0.000	84	102374	5.00	4.85	
30 Methylene Chloride	84	7.306	7.306	0.000	93	79970	5.00	4.70	
31 2-Methyl-2-propanol	59	7.329	7.329	0.000	97	71492	50.0	47.9	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	96	213533	5.00	4.80	
33 Acrylonitrile	53	7.543	7.543	0.000	100	208539	50.0	47.2	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	97	78407	5.00	4.98	
35 Hexane	57	7.721	7.721	0.000	94	83071	5.00	5.08	

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	7.899	7.899	0.000	97	248495	10.0	9.48	
39 1,1-Dichloroethane	63	7.946	7.946	0.000	96	124150	5.00	4.95	
43 2-Butanone (MEK)	43	8.397	8.397	0.000	100	141526	25.0	23.4	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.000	82	84406	5.00	4.78	
44 2,2-Dichloropropane	77	8.444	8.444	0.000	72	120860	5.00	5.06	
48 Chlorobromomethane	128	8.657	8.657	0.000	94	42932	5.00	4.80	
50 Chloroform	83	8.681	8.681	0.000	94	134380	5.00	4.82	
49 Tetrahydrofuran	42	8.681	8.681	0.000	86	36545	10.0	9.52	
51 1,1,1-Trichloroethane	97	8.859	8.859	0.000	98	120192	5.00	4.93	
52 Cyclohexane	56	8.907	8.907	0.000	90	113728	5.00	5.10	
53 Isobutyl alcohol	43	8.918	8.918	0.000	92	78294	125.0	121.1	
54 1,1-Dichloropropene	75	8.966	8.966	0.000	96	98772	5.00	4.97	
55 Carbon tetrachloride	117	9.001	9.001	0.000	97	112679	5.00	5.09	
57 Benzene	78	9.167	9.167	0.000	96	283552	5.00	4.89	
58 1,2-Dichloroethane	62	9.179	9.179	0.000	97	108402	5.00	4.87	
59 n-Heptane	43	9.191	9.191	0.000	90	74728	5.00	5.06	
62 Trichloroethene	95	9.642	9.642	0.000	96	78775	5.00	4.89	
64 Methylcyclohexane	83	9.784	9.784	0.000	90	111345	5.00	5.16	
65 1,2-Dichloropropane	63	9.843	9.843	0.000	93	67711	5.00	4.83	
66 1,4-Dioxane	88	9.903	9.903	0.000	87	11385	100.0	93.3	
67 Dibromomethane	93	9.962	9.962	0.000	92	49001	5.00	4.87	
68 Dichlorobromomethane	83	10.033	10.033	0.000	98	101249	5.00	4.72	
69 2-Chloroethyl vinyl ether	63	10.164	10.164	0.000	91	39790	5.00	4.79	
72 cis-1,3-Dichloropropene	75	10.353	10.353	0.000	98	112593	5.00	4.70	
73 4-Methyl-2-pentanone (MIBK)	43	10.389	10.389	0.000	97	285897	25.0	23.5	
74 Toluene	92	10.626	10.626	0.000	98	180927	5.00	4.83	
75 Ethyl methacrylate	69	10.697	10.697	0.000	87	74637	5.00	4.70	
77 trans-1,3-Dichloropropene	75	10.768	10.768	0.000	95	105988	5.00	4.65	
79 1,1,2-Trichloroethane	83	10.946	10.946	0.000	93	50728	5.00	4.74	
80 2-Hexanone	43	11.029	11.029	0.000	97	206722	25.0	23.2	
81 Tetrachloroethene	166	11.077	11.077	0.000	96	86018	5.00	4.90	
82 1,3-Dichloropropane	76	11.088	11.088	0.000	91	109431	5.00	4.95	
83 Chlorodibromomethane	129	11.314	11.314	0.000	90	79314	5.00	4.64	
84 Ethylene Dibromide	107	11.444	11.444	0.000	100	64197	5.00	4.65	
87 Chlorobenzene	112	11.776	11.776	0.000	97	216326	5.00	4.81	
88 Ethylbenzene	91	11.788	11.788	0.000	97	341109	5.00	4.90	
89 1,1,1,2-Tetrachloroethane	131	11.812	11.812	0.000	92	80372	5.00	4.72	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	97	134636	5.00	4.79	
91 o-Xylene	106	12.215	12.215	0.000	97	133516	5.00	4.84	
92 Styrene	104	12.227	12.227	0.000	91	211432	5.00	4.70	
94 Isopropylbenzene	105	12.488	12.488	0.000	96	344589	5.00	4.87	
95 Bromoform	173	12.500	12.500	0.000	89	49279	5.00	4.57	
97 1,1,2,2-Tetrachloroethane	83	12.761	12.761	0.000	97	78402	5.00	4.71	
98 trans-1,4-Dichloro-2-buten	53	12.796	12.796	0.000	95	21163	5.00	4.35	
100 1,2,3-Trichloropropane	110	12.844	12.844	0.000	85	27790	5.00	5.01	
99 N-Propylbenzene	91	12.844	12.844	0.000	99	388536	5.00	4.82	
101 Bromobenzene	156	12.891	12.891	0.000	87	97848	5.00	4.75	
102 1,3,5-Trimethylbenzene	105	12.950	12.950	0.000	69	287816	5.00	4.79	
103 2-Chlorotoluene	126	12.998	12.998	0.000	97	85966	5.00	4.69	
105 4-Chlorotoluene	126	13.081	13.081	0.000	98	91702	5.00	4.80	
106 tert-Butylbenzene	134	13.282	13.282	0.000	92	67274	5.00	4.82	
107 1,2,4-Trimethylbenzene	105	13.318	13.318	0.000	95	302612	5.00	4.75	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.484	0.000	94	348138	5.00	4.86	
110 4-Isopropyltoluene	119	13.579	13.579	0.000	97	307784	5.00	4.87	
111 1,3-Dichlorobenzene	146	13.709	13.709	0.000	97	181339	5.00	4.70	
113 1,4-Dichlorobenzene	146	13.780	13.780	0.000	95	185236	5.00	4.75	
115 n-Butylbenzene	91	13.994	13.994	0.000	98	254265	5.00	4.76	
116 1,2-Dichlorobenzene	146	14.195	14.195	0.000	97	173637	5.00	4.66	
117 1,2-Dibromo-3-Chloropropan	75	15.061	15.061	0.000	87	15898	5.00	4.32	M
119 1,2,4-Trichlorobenzene	180	16.105	16.105	0.000	95	124443	5.00	4.76	
120 Hexachlorobutadiene	225	16.223	16.223	0.000	96	49502	5.00	4.83	
121 Naphthalene	128	16.520	16.520	0.000	97	291603	5.00	4.55	
122 1,2,3-Trichlorobenzene	180	16.887	16.887	0.000	95	118060	5.00	4.77	
S 123 Total BTEX	1				0			24.3	
S 124 Xylenes, Total	1				0			9.63	
S 125 1,2-Dichloroethene, Total	1				0			9.76	
S 126 1,3-Dichloropropene, Total	1				0			9.35	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00118

Amount Added: 5.00

Units: uL

GAS CORP mix_00259

Amount Added: 5.00

Units: uL

C_8260_IS_00105

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00121

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180111-68523.b\\C1654.D

Injection Date: 11-Jan-2018 15:57:30

Instrument ID: HP5973C

Operator ID: RR

Lims ID: IC 3

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

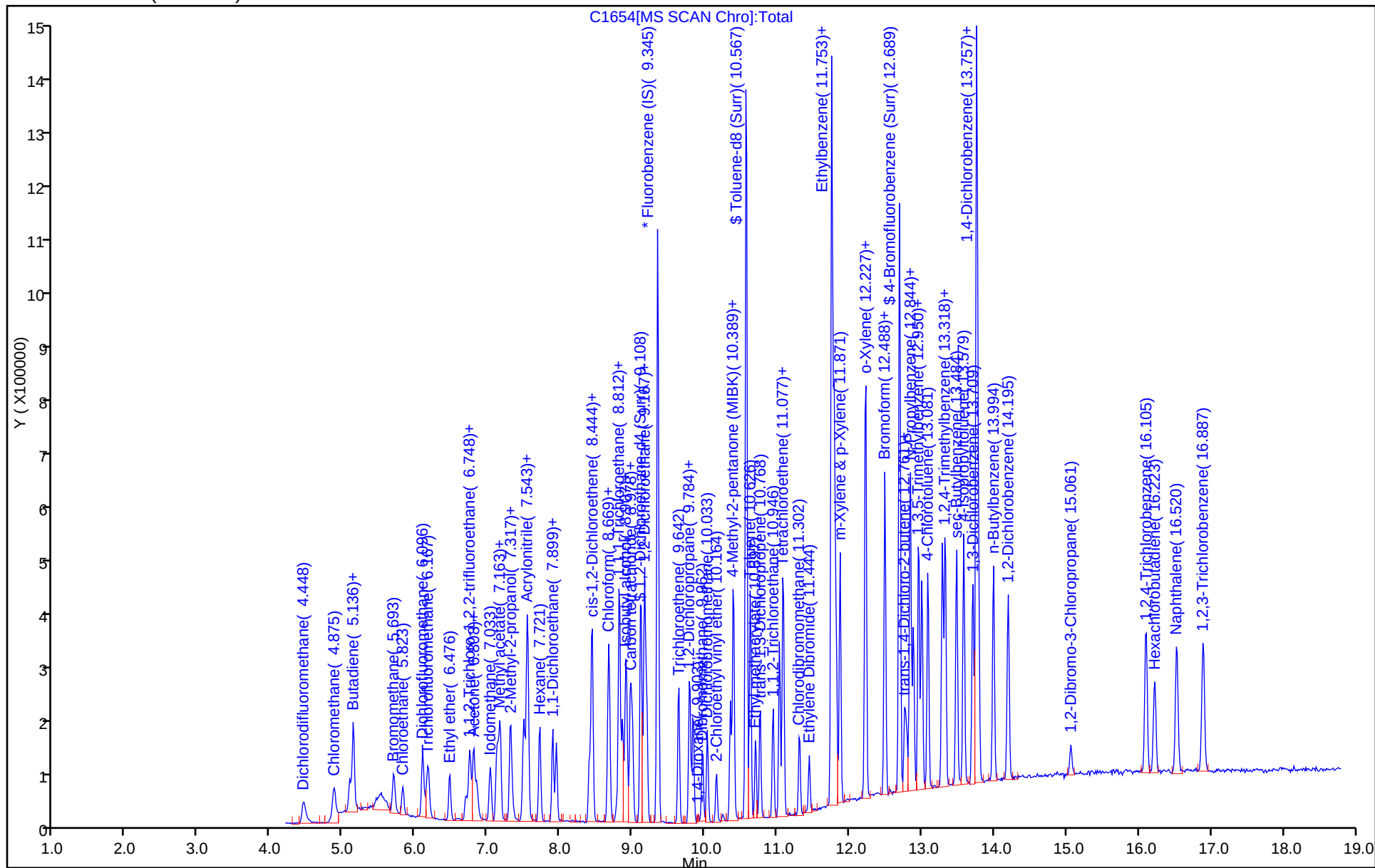
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1654.D

Injection Date: 11-Jan-2018 15:57:30

Instrument ID: HP5973C

Lims ID: IC 3

Client ID:

Operator ID: RR

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

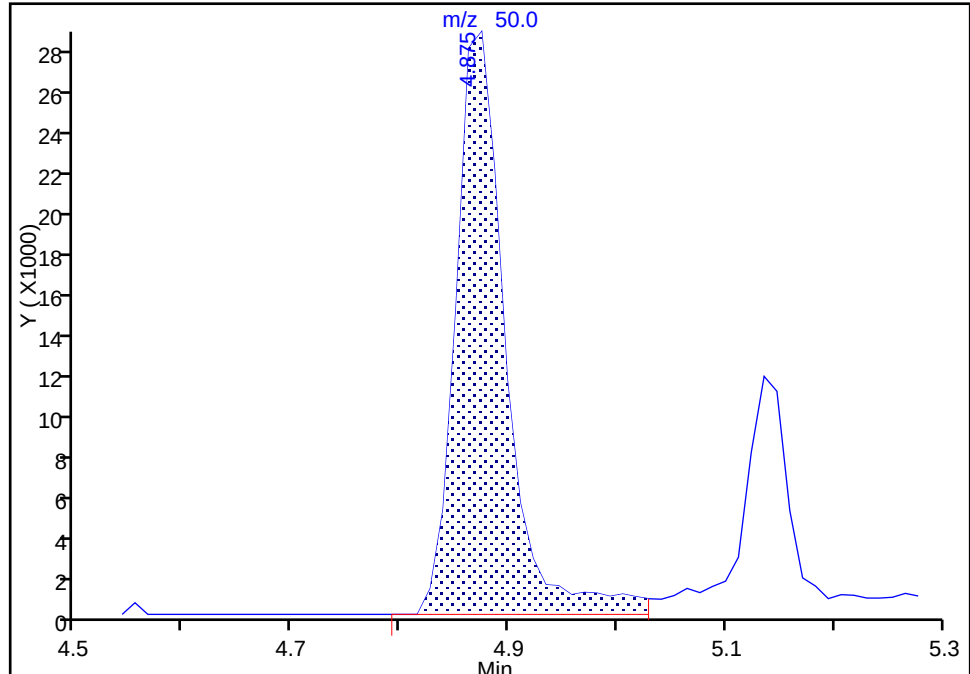
Detector: MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

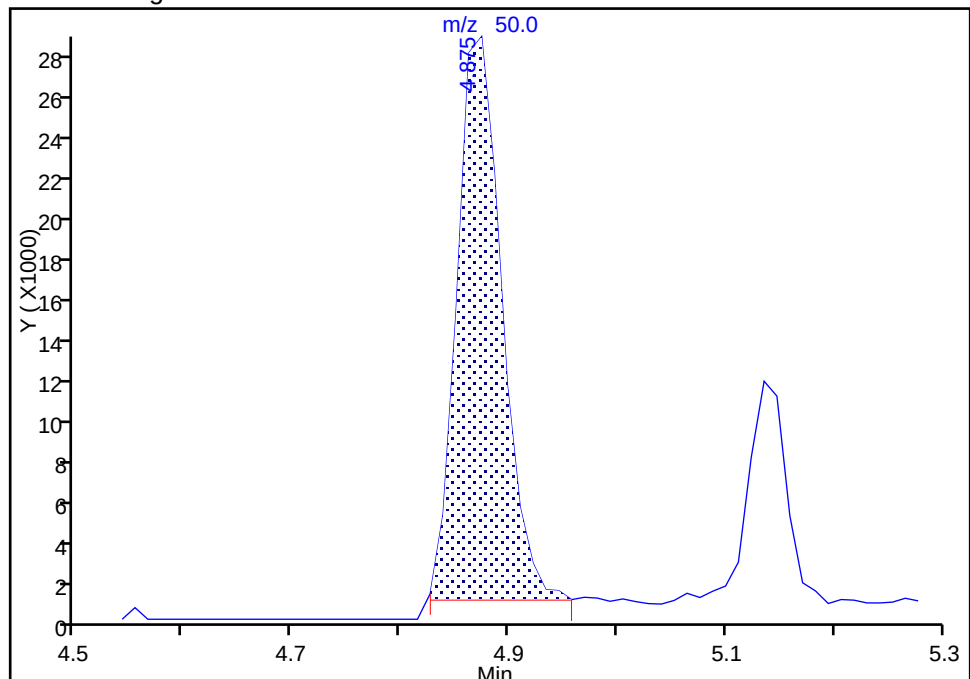
RT: 4.87
Area: 92592
Amount: 5.276947
Amount Units: ug/L

Processing Integration Results



RT: 4.87
Area: 80460
Amount: 4.732843
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:41:23

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1654.D

Injection Date: 11-Jan-2018 15:57:30

Instrument ID: HP5973C

Lims ID: IC 3

Client ID:

Operator ID: RR

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

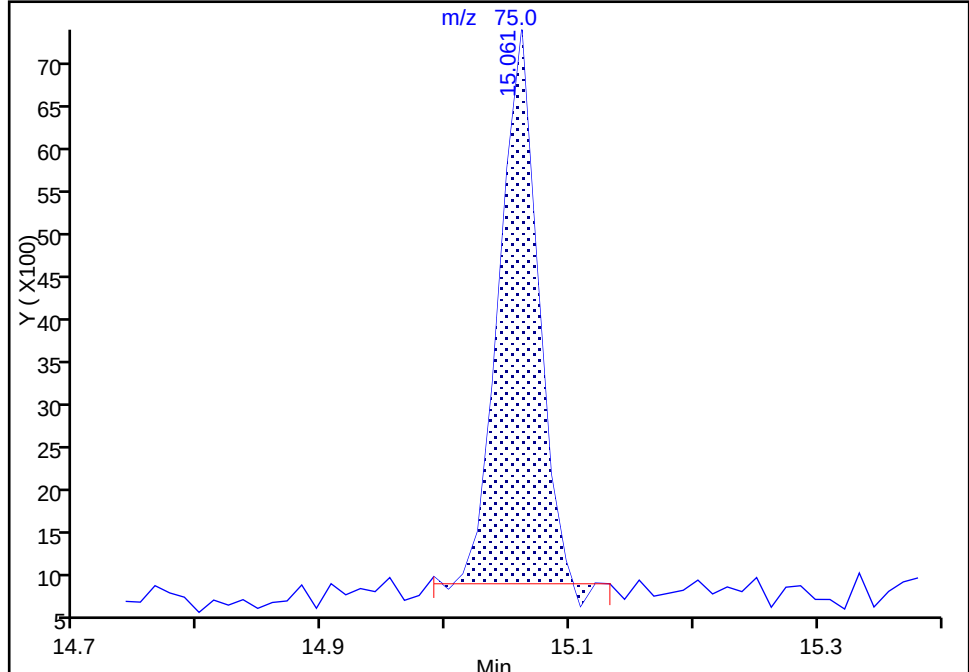
MS SCAN

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

Signal: 1

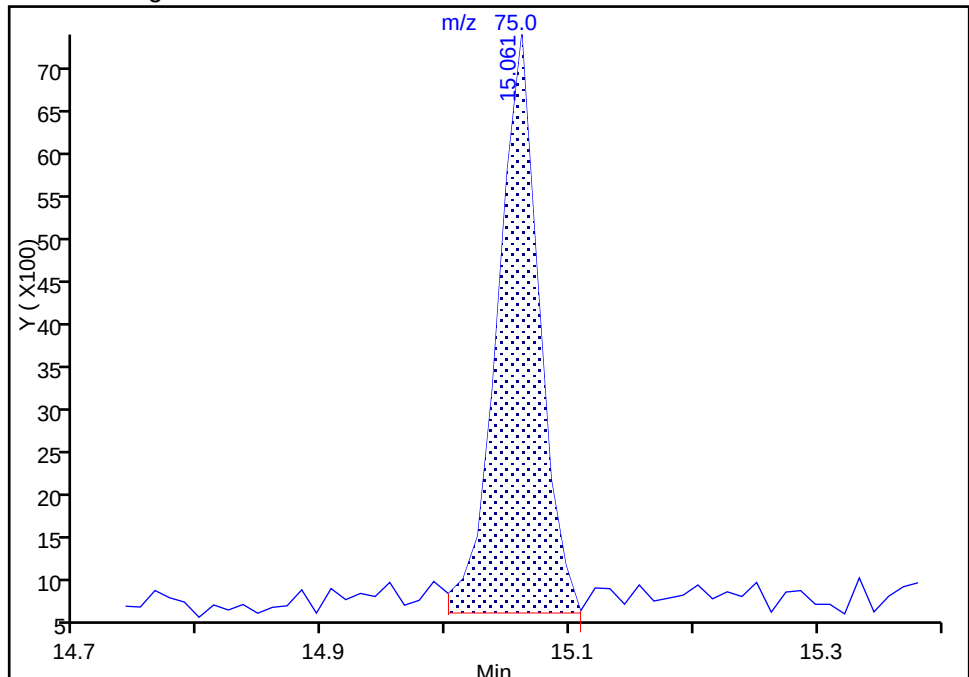
RT: 15.06
Area: 13934
Amount: 3.795596
Amount Units: ug/L

Processing Integration Results



RT: 15.06
Area: 15898
Amount: 4.322094
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:47:55

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1655.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 11-Jan-2018 16:22:30 ALS Bottle#: 8 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic 4
 Misc. Info.: 480-0068523-010
 Operator ID: RR Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-Jan-2018 13:13:53 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK024

First Level Reviewer: reiler

Date: 12-Jan-2018 09:41:46

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	9.345	9.345	0.000	99	181006	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.752	11.753	-0.001	85	387769	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	-0.001	94	411273	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	245157	25.0	24.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	97	136475	25.0	24.5	
\$ 5 Toluene-d8 (Surr)	98	10.567	10.567	0.000	93	913486	25.0	25.3	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.689	0.000	90	325066	25.0	24.7	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	99	195905	10.0	10.9	
12 Chloromethane	50	4.863	4.875	-0.012	99	177450	10.0	10.3	M
13 Vinyl chloride	62	5.088	5.088	0.000	98	191124	10.0	10.5	
151 Butadiene	54	5.135	5.136	-0.001	95	167511	10.0	10.6	
14 Bromomethane	94	5.693	5.693	0.000	92	149626	10.0	10.2	
15 Chloroethane	64	5.811	5.823	-0.012	100	118243	10.0	10.6	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	97	306090	10.0	10.4	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	98	305482	10.0	10.6	
18 Ethyl ether	59	6.464	6.476	-0.012	91	101567	10.0	9.49	
20 Acrolein	56	6.689	6.689	0.000	99	89976	50.0	47.9	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	141072	10.0	10.0	
22 1,1-Dichloroethene	96	6.807	6.808	-0.001	98	130608	10.0	9.33	
23 Acetone	43	6.843	6.843	0.000	98	214738	50.0	47.3	
25 Iodomethane	142	7.033	7.033	0.000	100	258805	10.0	9.42	
26 Carbon disulfide	76	7.116	7.128	-0.012	100	497680	10.0	9.43	
27 Methyl acetate	43	7.139	7.140	-0.001	97	179162	20.0	19.7	
28 3-Chloro-1-propene	41	7.163	7.163	0.000	81	203325	10.0	9.53	
30 Methylene Chloride	84	7.305	7.306	-0.001	91	152260	10.0	8.86	
31 2-Methyl-2-propanol	59	7.329	7.329	0.000	97	141553	100.0	93.8	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	95	422939	10.0	9.42	
33 Acrylonitrile	53	7.531	7.543	-0.012	98	426668	100.0	95.6	
34 trans-1,2-Dichloroethene	96	7.555	7.555	-0.001	98	152247	10.0	9.58	
35 Hexane	57	7.709	7.721	-0.012	94	158880	10.0	9.62	

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	7.887	7.899	-0.012	98	508360	20.0	19.2	
39 1,1-Dichloroethane	63	7.946	7.946	0.000	96	241094	10.0	9.53	
43 2-Butanone (MEK)	43	8.396	8.397	-0.001	100	282624	50.0	46.3	
44 2,2-Dichloropropane	77	8.432	8.444	-0.012	72	229760	10.0	9.53	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.000	82	169122	10.0	9.48	
48 Chlorobromomethane	128	8.657	8.657	0.000	91	88118	10.0	9.75	
49 Tetrahydrofuran	42	8.681	8.681	0.000	84	72098	20.0	18.6	
50 Chloroform	83	8.669	8.681	-0.012	93	265989	10.0	9.44	
51 1,1,1-Trichloroethane	97	8.859	8.859	0.000	98	242036	10.0	9.82	
52 Cyclohexane	56	8.906	8.907	-0.001	90	223087	10.0	9.91	
53 Isobutyl alcohol	43	8.918	8.918	0.000	90	154349	250.0	236.4	
54 1,1-Dichloropropene	75	8.966	8.966	0.000	96	197038	10.0	9.81	
55 Carbon tetrachloride	117	9.001	9.001	0.000	96	224630	10.0	10.0	
57 Benzene	78	9.167	9.167	0.000	96	557974	10.0	9.52	
58 1,2-Dichloroethane	62	9.167	9.179	-0.012	98	210164	10.0	9.36	
59 n-Heptane	43	9.191	9.191	0.000	92	145475	10.0	9.75	
62 Trichloroethene	95	9.630	9.642	-0.012	96	156568	10.0	9.62	
64 Methylcyclohexane	83	9.784	9.784	0.000	90	222873	10.0	10.2	
65 1,2-Dichloropropane	63	9.831	9.843	-0.012	94	135729	10.0	9.59	
66 1,4-Dioxane	88	9.902	9.903	-0.001	91	23632	200.0	195.3	
67 Dibromomethane	93	9.962	9.962	0.000	94	98710	10.0	9.72	
68 Dichlorobromomethane	83	10.033	10.033	0.000	98	202023	10.0	9.32	
69 2-Chloroethyl vinyl ether	63	10.163	10.164	-0.001	94	80428	10.0	9.59	
72 cis-1,3-Dichloropropene	75	10.353	10.353	0.000	98	230176	10.0	9.51	
73 4-Methyl-2-pentanone (MIBK)	43	10.389	10.389	0.000	97	588240	50.0	48.8	
74 Toluene	92	10.626	10.626	0.000	98	359811	10.0	9.68	
75 Ethyl methacrylate	69	10.697	10.697	0.000	89	152329	10.0	9.68	
77 trans-1,3-Dichloropropene	75	10.768	10.768	0.000	95	217689	10.0	9.63	
79 1,1,2-Trichloroethane	83	10.946	10.946	0.000	93	101896	10.0	9.61	
80 2-Hexanone	43	11.029	11.029	0.000	97	420287	50.0	47.5	
81 Tetrachloroethene	166	11.076	11.077	-0.001	96	172637	10.0	9.92	
82 1,3-Dichloropropane	76	11.088	11.088	0.000	92	213581	10.0	9.74	
83 Chlorodibromomethane	129	11.302	11.314	-0.012	90	160176	10.0	9.45	
84 Ethylene Dibromide	107	11.444	11.444	0.000	99	132264	10.0	9.66	
87 Chlorobenzene	112	11.776	11.776	0.000	97	430836	10.0	9.66	
88 Ethylbenzene	91	11.788	11.788	0.000	98	674540	10.0	9.78	
89 1,1,1,2-Tetrachloroethane	131	11.812	11.812	0.000	93	158994	10.0	9.41	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	97	269397	10.0	9.67	
91 o-Xylene	106	12.215	12.215	0.000	96	266708	10.0	9.75	
92 Styrene	104	12.227	12.227	0.000	89	429756	10.0	9.64	
94 Isopropylbenzene	105	12.488	12.488	0.000	97	677235	10.0	9.66	
95 Bromoform	173	12.500	12.500	0.000	94	103576	10.0	9.68	
97 1,1,2,2-Tetrachloroethane	83	12.760	12.761	-0.001	96	159462	10.0	9.66	
98 trans-1,4-Dichloro-2-buten	53	12.796	12.796	0.000	94	47343	10.0	9.82	
99 N-Propylbenzene	91	12.843	12.844	-0.001	99	779366	10.0	9.76	
100 1,2,3-Trichloropropane	110	12.843	12.844	-0.001	83	54755	10.0	9.97	
101 Bromobenzene	156	12.879	12.891	-0.012	87	194236	10.0	9.53	
102 1,3,5-Trimethylbenzene	105	12.950	12.950	0.000	94	577069	10.0	9.70	
103 2-Chlorotoluene	126	12.998	12.998	0.000	97	175340	10.0	9.66	
105 4-Chlorotoluene	126	13.092	13.081	0.011	98	180501	10.0	9.54	
106 tert-Butylbenzene	134	13.282	13.282	0.000	92	131351	10.0	9.50	
107 1,2,4-Trimethylbenzene	105	13.330	13.318	0.012	96	597636	10.0	9.48	

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	13.484	13.484	0.000	94	689241	10.0	9.71	
110 4-Isopropyltoluene	119	13.579	13.579	0.000	97	600896	10.0	9.59	
111 1,3-Dichlorobenzene	146	13.709	13.709	0.000	97	360642	10.0	9.43	
113 1,4-Dichlorobenzene	146	13.780	13.780	0.000	94	366080	10.0	9.48	
115 n-Butylbenzene	91	13.994	13.994	0.000	97	504069	10.0	9.52	
116 1,2-Dichlorobenzene	146	14.195	14.195	0.000	98	345962	10.0	9.38	
117 1,2-Dibromo-3-Chloropropan	75	15.061	15.061	0.000	85	31063	10.0	8.52	
119 1,2,4-Trichlorobenzene	180	16.104	16.105	-0.001	94	249112	10.0	9.62	
120 Hexachlorobutadiene	225	16.223	16.223	0.000	97	93230	10.0	9.19	
121 Naphthalene	128	16.531	16.520	0.011	97	604223	10.0	9.51	
122 1,2,3-Trichlorobenzene	180	16.887	16.887	0.000	96	237287	10.0	9.67	
S 125 1,2-Dichloroethene, Total	1				0			19.1	
S 126 1,3-Dichloropropene, Total	1				0			19.1	
S 123 Total BTEX	1				0			48.4	
S 124 Xylenes, Total	1				0			19.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00118

Amount Added: 5.00

Units: uL

GAS CORP mix_00259

Amount Added: 5.00

Units: uL

C_8260_IS_00105

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00121

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180111-68523.b\\C1655.D

Injection Date: 11-Jan-2018 16:22:30

Instrument ID: HP5973C

Operator ID: RR

Lims ID: IC 4

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

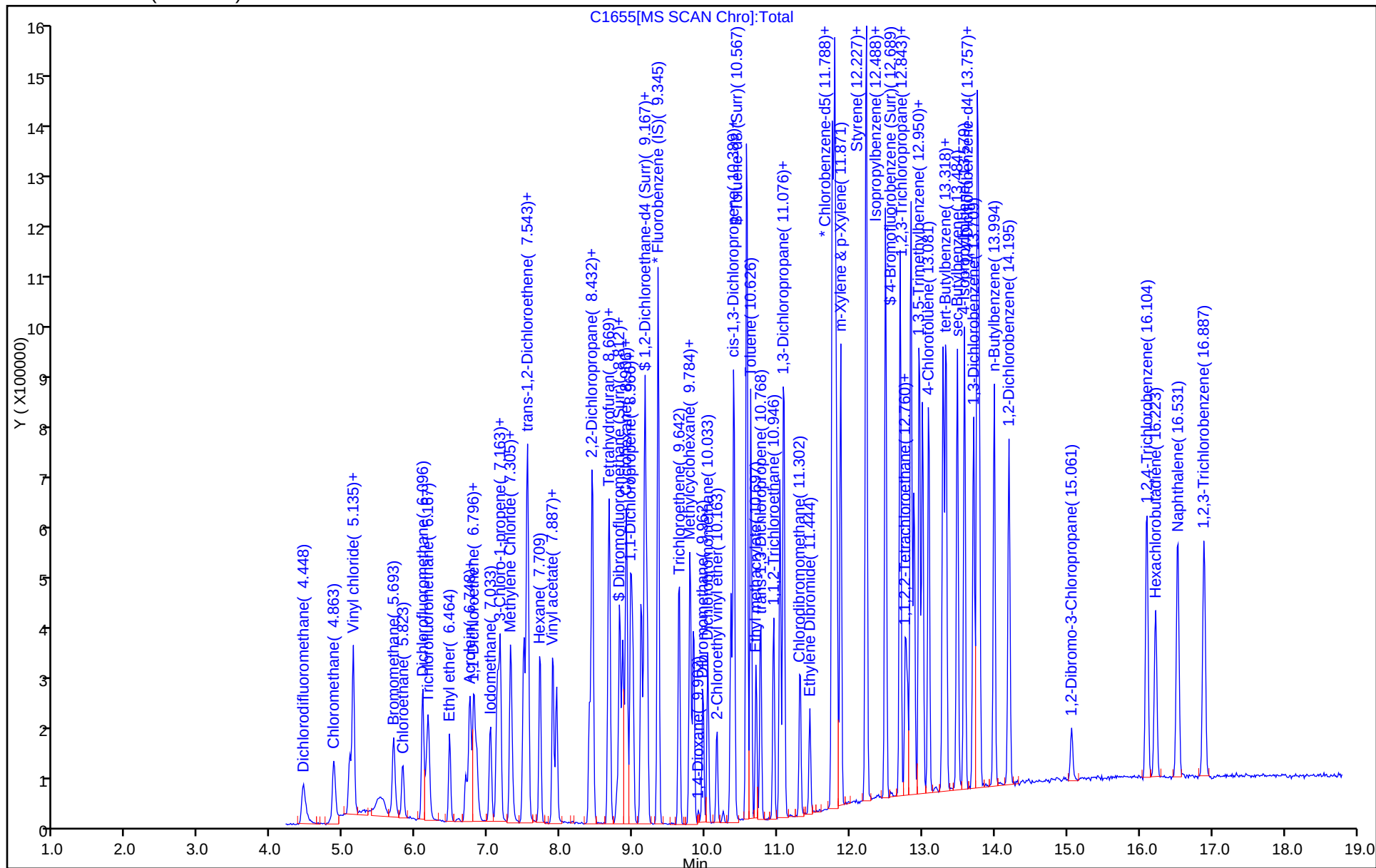
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1655.D

Injection Date: 11-Jan-2018 16:22:30

Instrument ID: HP5973C

Lims ID: IC 4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

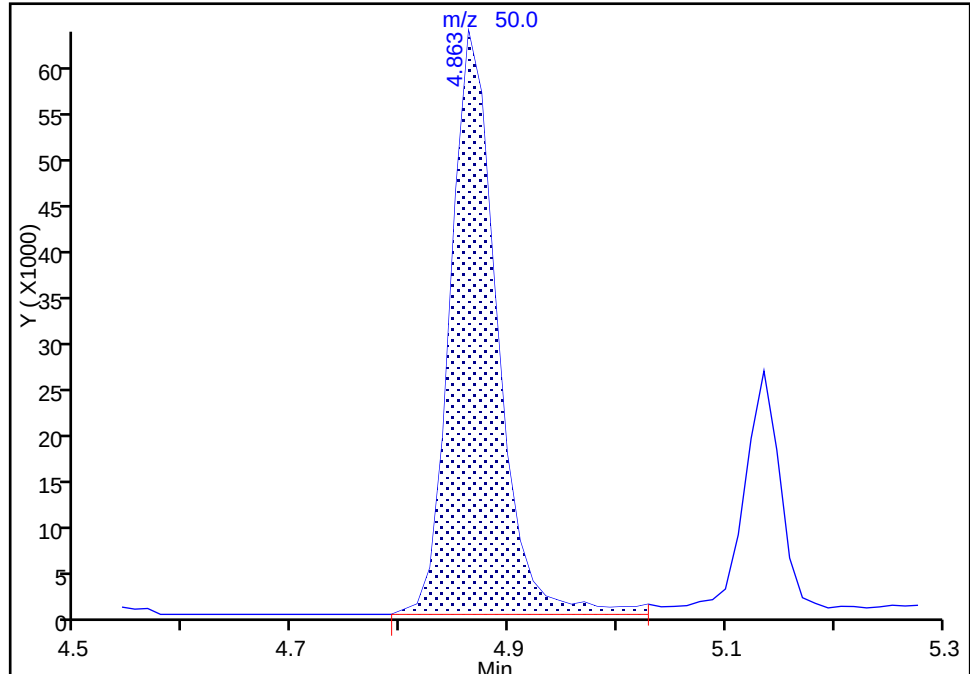
Detector: MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

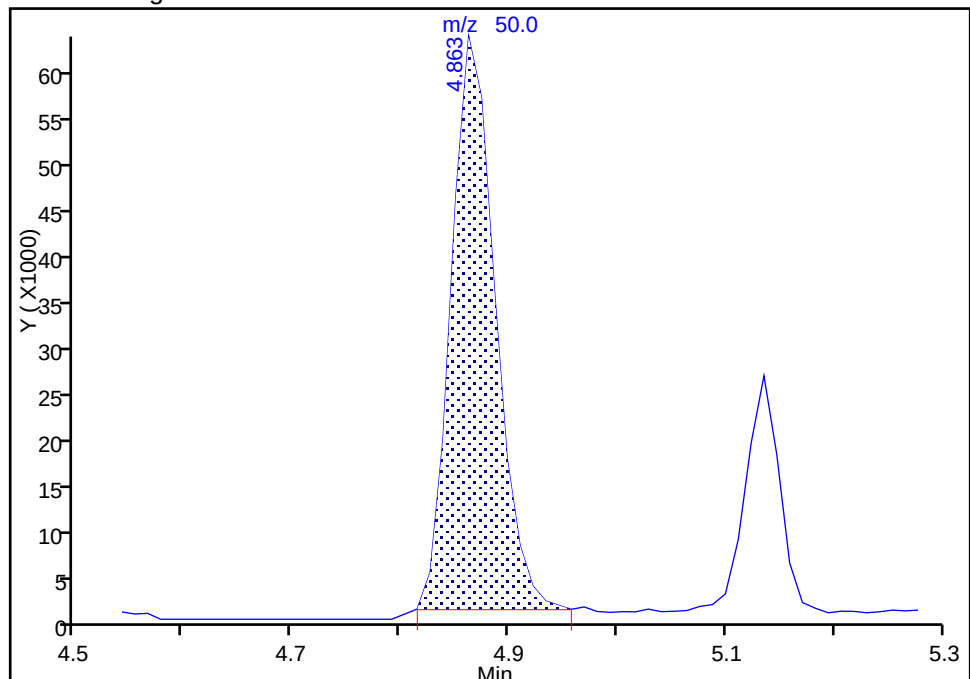
RT: 4.86
Area: 191555
Amount: 11.027968
Amount Units: ug/L

Processing Integration Results



RT: 4.86
Area: 177450
Amount: 10.335833
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:41:40

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1656.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 11-Jan-2018 16:47:30 ALS Bottle#: 9 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: icis 5
 Misc. Info.: 480-0068523-011
 Operator ID: RR Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-Jan-2018 13:13:56 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK024

First Level Reviewer: reiler

Date: 12-Jan-2018 08:09:14

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	9.345	9.345	0.000	99	178680	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.753	11.753	0.000	85	391104	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	94	413903	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	250671	25.0	25.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	97	134654	25.0	24.5	
\$ 5 Toluene-d8 (Surr)	98	10.567	10.567	0.000	93	908145	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.689	0.000	90	327487	25.0	24.7	
10 Dichlorodifluoromethane	85	4.460	4.460	0.000	99	489394	25.0	27.6	
12 Chloromethane	50	4.875	4.875	0.000	99	463466	25.0	27.3	
13 Vinyl chloride	62	5.088	5.088	0.000	98	462154	25.0	25.7	
151 Butadiene	54	5.147	5.147	0.000	96	405702	25.0	26.1	
14 Bromomethane	94	5.705	5.705	0.000	92	377836	25.0	26.2	
15 Chloroethane	64	5.823	5.823	0.000	100	289636	25.0	26.3	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	97	758308	25.0	26.1	
17 Trichlorofluoromethane	101	6.179	6.179	0.000	99	753835	25.0	26.6	
18 Ethyl ether	59	6.476	6.476	0.000	91	272803	25.0	25.8	
20 Acrolein	56	6.689	6.689	0.000	99	239503	125.0	129.2	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	352990	25.0	25.5	
22 1,1-Dichloroethene	96	6.808	6.808	0.000	99	330446	25.0	23.9	
23 Acetone	43	6.843	6.843	0.000	98	563542	125.0	125.8	
25 Iodomethane	142	7.033	7.033	0.000	99	688925	25.0	25.4	
26 Carbon disulfide	76	7.128	7.128	0.000	100	1317636	25.0	25.3	
27 Methyl acetate	43	7.140	7.140	0.000	97	455719	50.0	50.8	
28 3-Chloro-1-propene	41	7.175	7.175	0.000	86	531357	25.0	25.2	
30 Methylene Chloride	84	7.317	7.317	0.000	91	386769	25.0	22.8	
31 2-Methyl-2-propanol	59	7.329	7.329	0.000	98	372260	250.0	250.0	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	95	1097596	25.0	24.8	
33 Acrylonitrile	53	7.531	7.531	0.000	98	1117970	250.0	253.8	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	98	385944	25.0	24.6	
35 Hexane	57	7.721	7.721	0.000	94	398673	25.0	24.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.899	7.899	0.000	97	1350781	50.0	51.7	
39 1,1-Dichloroethane	63	7.946	7.946	0.000	97	627250	25.0	25.1	
43 2-Butanone (MEK)	43	8.397	8.397	0.000	100	765208	125.0	127.1	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.000	82	434663	25.0	24.7	
44 2,2-Dichloropropane	77	8.444	8.444	0.000	72	604108	25.0	25.4	
48 Chlorobromomethane	128	8.657	8.657	0.000	93	229044	25.0	25.7	
50 Chloroform	83	8.681	8.681	0.000	94	695722	25.0	25.0	
49 Tetrahydrofuran	42	8.681	8.681	0.000	88	187020	50.0	48.9	
51 1,1,1-Trichloroethane	97	8.859	8.859	0.000	98	633400	25.0	26.0	
52 Cyclohexane	56	8.907	8.907	0.000	86	563970	25.0	25.4	
53 Isobutyl alcohol	43	8.918	8.918	0.000	91	403926	625.0	626.6	
54 1,1-Dichloropropene	75	8.966	8.966	0.000	95	502673	25.0	25.4	
55 Carbon tetrachloride	117	9.001	9.001	0.000	97	577764	25.0	26.2	
57 Benzene	78	9.167	9.167	0.000	96	1465199	25.0	25.3	
58 1,2-Dichloroethane	62	9.179	9.179	0.000	98	564431	25.0	25.5	
59 n-Heptane	43	9.203	9.203	0.000	88	355246	25.0	24.1	
62 Trichloroethene	95	9.642	9.642	0.000	96	409324	25.0	25.5	
64 Methylcyclohexane	83	9.796	9.796	0.000	88	560539	25.0	26.1	
65 1,2-Dichloropropane	63	9.843	9.843	0.000	94	356575	25.0	25.5	
66 1,4-Dioxane	88	9.903	9.903	0.000	94	61803	500.0	506.4	
67 Dibromomethane	93	9.962	9.962	0.000	94	255894	25.0	25.5	
68 Dichlorobromomethane	83	10.033	10.033	0.000	99	549583	25.0	25.7	
69 2-Chloroethyl vinyl ether	63	10.164	10.164	0.000	94	218400	25.0	26.4	
72 cis-1,3-Dichloropropene	75	10.353	10.353	0.000	98	607786	25.0	25.4	
73 4-Methyl-2-pentanone (MIBK)	43	10.389	10.389	0.000	97	1585181	125.0	130.3	
74 Toluene	92	10.626	10.626	0.000	98	942934	25.0	25.2	
75 Ethyl methacrylate	69	10.697	10.697	0.000	89	425445	25.0	26.8	
77 trans-1,3-Dichloropropene	75	10.768	10.768	0.000	95	575594	25.0	25.2	
79 1,1,2-Trichloroethane	83	10.946	10.946	0.000	93	274108	25.0	25.6	
80 2-Hexanone	43	11.029	11.029	0.000	97	1154825	125.0	129.5	
81 Tetrachloroethene	166	11.077	11.077	0.000	96	447526	25.0	25.5	
82 1,3-Dichloropropane	76	11.088	11.088	0.000	92	562216	25.0	25.4	
83 Chlorodibromomethane	129	11.314	11.314	0.000	89	439452	25.0	25.7	
84 Ethylene Dibromide	107	11.444	11.444	0.000	99	356085	25.0	25.8	
87 Chlorobenzene	112	11.776	11.776	0.000	98	1129761	25.0	25.1	
88 Ethylbenzene	91	11.788	11.788	0.000	98	1783861	25.0	25.6	
89 1,1,1,2-Tetrachloroethane	131	11.812	11.812	0.000	94	436660	25.0	25.6	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	96	713820	25.0	25.4	
91 o-Xylene	106	12.215	12.215	0.000	96	698820	25.0	25.3	
92 Styrene	104	12.227	12.227	0.000	93	1170489	25.0	26.0	
94 Isopropylbenzene	105	12.488	12.488	0.000	97	1792234	25.0	25.4	
95 Bromoform	173	12.500	12.500	0.000	97	279538	25.0	25.9	
97 1,1,2,2-Tetrachloroethane	83	12.761	12.761	0.000	97	417367	25.0	25.1	
98 trans-1,4-Dichloro-2-buten	53	12.796	12.796	0.000	95	129164	25.0	26.6	
100 1,2,3-Trichloropropane	110	12.844	12.844	0.000	82	144160	25.0	26.1	
99 N-Propylbenzene	91	12.844	12.844	0.000	99	2054791	25.0	25.6	
101 Bromobenzene	156	12.891	12.891	0.000	87	514067	25.0	25.0	
102 1,3,5-Trimethylbenzene	105	12.950	12.950	0.000	94	1529561	25.0	25.6	
103 2-Chlorotoluene	126	12.998	12.998	0.000	97	461634	25.0	25.3	
105 4-Chlorotoluene	126	13.093	13.093	0.000	98	473530	25.0	24.9	
106 tert-Butylbenzene	134	13.282	13.282	0.000	93	345766	25.0	24.8	
107 1,2,4-Trimethylbenzene	105	13.330	13.330	0.000	97	1610715	25.0	25.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.484	0.000	94	1804171	25.0	25.3	
110 4-Isopropyltoluene	119	13.579	13.579	0.000	97	1600496	25.0	25.4	
111 1,3-Dichlorobenzene	146	13.709	13.709	0.000	98	951017	25.0	24.7	
113 1,4-Dichlorobenzene	146	13.780	13.780	0.000	95	983458	25.0	25.3	
115 n-Butylbenzene	91	13.994	13.994	0.000	98	1329743	25.0	24.9	
116 1,2-Dichlorobenzene	146	14.195	14.195	0.000	98	930970	25.0	25.1	
117 1,2-Dibromo-3-Chloropropan	75	15.061	15.061	0.000	85	85828	25.0	23.4	
119 1,2,4-Trichlorobenzene	180	16.105	16.105	0.000	94	653771	25.0	25.1	
120 Hexachlorobutadiene	225	16.223	16.223	0.000	98	250527	25.0	24.5	
121 Naphthalene	128	16.532	16.532	0.000	97	1641597	25.0	25.7	
122 1,2,3-Trichlorobenzene	180	16.887	16.887	0.000	96	620017	25.0	25.1	

Reagents:

8260 CORP mix_00118	Amount Added: 12.50	Units: uL	
GAS CORP mix_00259	Amount Added: 12.50	Units: uL	
C_8260_IS_00105	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00121	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180111-68523.b\\C1656.D

Injection Date: 11-Jan-2018 16:47:30

Instrument ID: HP5973C

Operator ID: RR

Lims ID: ICIS 5

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

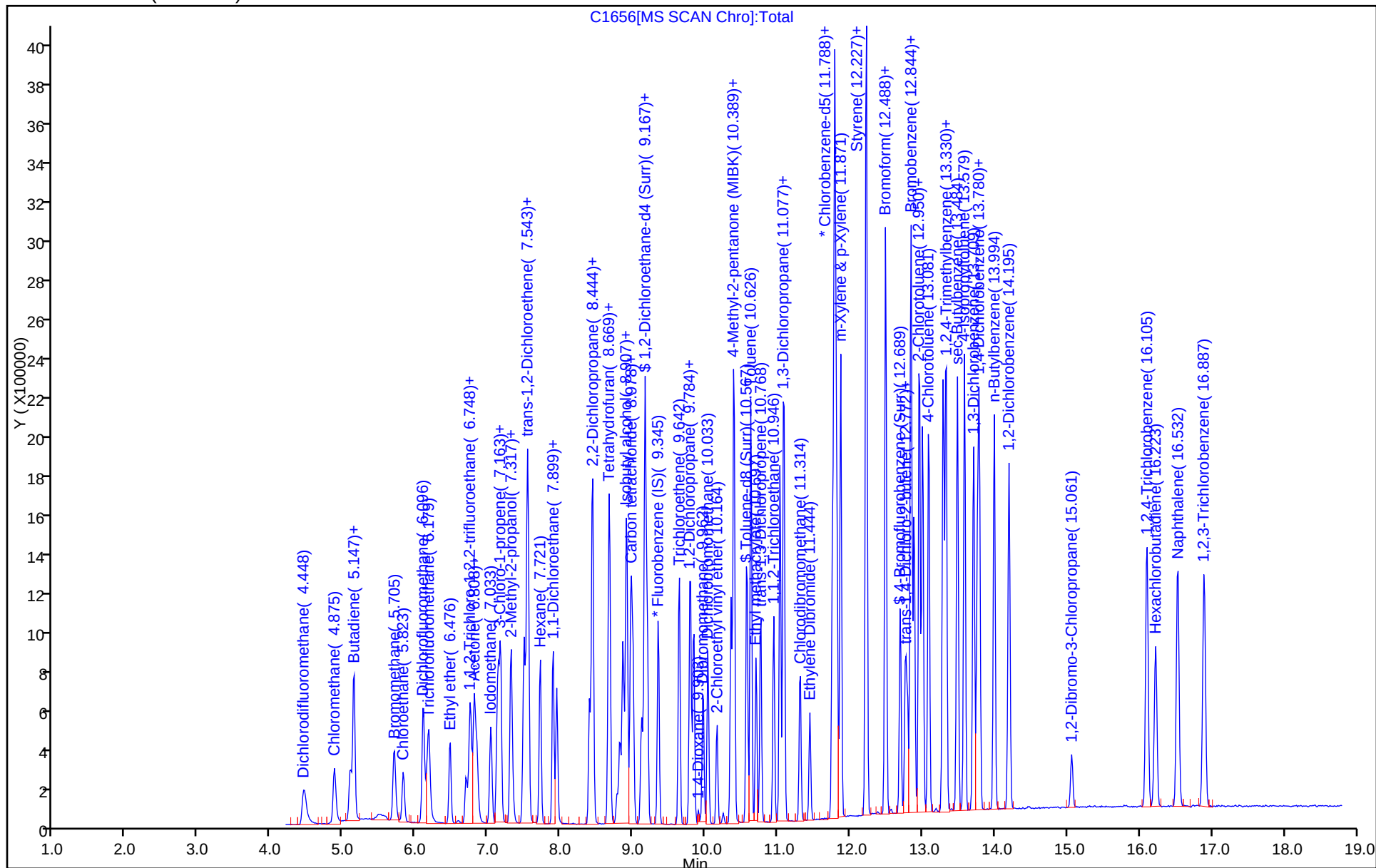
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1657.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 11-Jan-2018 17:12:30 ALS Bottle#: 10 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic 6
 Misc. Info.: 480-0068523-012
 Operator ID: RR Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-Jan-2018 13:13:58 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK024

First Level Reviewer: reiler

Date: 12-Jan-2018 09:49:47

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	9.345	9.345	0.000	99	180715	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.752	11.753	-0.001	85	401432	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	95	425097	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	251242	25.0	25.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	96	137939	25.0	24.8	
\$ 5 Toluene-d8 (Surr)	98	10.579	10.567	0.011	93	931073	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.689	0.000	91	342469	25.0	25.1	
10 Dichlorodifluoromethane	85	4.448	4.460	-0.012	99	930675	50.0	51.8	
12 Chloromethane	50	4.863	4.875	-0.012	99	864383	50.0	50.4	
13 Vinyl chloride	62	5.088	5.088	0.000	98	882029	50.0	48.5	
151 Butadiene	54	5.135	5.147	-0.012	97	780030	50.0	49.6	
14 Bromomethane	94	5.693	5.705	-0.012	92	704003	50.0	48.2	
15 Chloroethane	64	5.823	5.823	0.000	100	554645	50.0	49.8	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	97	1441180	50.0	49.1	
17 Trichlorofluoromethane	101	6.167	6.179	-0.012	98	1434695	50.0	50.1	
18 Ethyl ether	59	6.464	6.476	-0.012	92	543604	50.0	50.9	
20 Acrolein	56	6.689	6.689	0.000	99	481044	250.0	256.6	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	93	694961	50.0	49.6	
22 1,1-Dichloroethene	96	6.807	6.808	-0.001	99	640865	50.0	45.8	
23 Acetone	43	6.843	6.843	0.000	99	1124002	250.0	248.1	
25 Iodomethane	142	7.033	7.033	0.000	100	1363339	50.0	49.7	
26 Carbon disulfide	76	7.128	7.128	0.000	100	2595085	50.0	49.2	
27 Methyl acetate	43	7.140	7.140	0.000	98	910632	100.0	100.3	
28 3-Chloro-1-propene	41	7.163	7.175	-0.012	86	1041351	50.0	48.9	
30 Methylene Chloride	84	7.306	7.317	-0.011	91	770749	50.0	44.9	
31 2-Methyl-2-propanol	59	7.317	7.329	-0.012	98	733613	500.0	487.1	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	95	2206761	50.0	49.2	
33 Acrylonitrile	53	7.531	7.531	0.000	98	2236593	500.0	502.1	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	98	748046	50.0	47.1	
35 Hexane	57	7.721	7.721	0.000	94	790330	50.0	47.9	

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	7.887	7.899	-0.012	98	2689356	100.0	101.8	
39 1,1-Dichloroethane	63	7.946	7.946	0.000	96	1240458	50.0	49.1	
43 2-Butanone (MEK)	43	8.397	8.397	0.000	100	1517849	250.0	249.2	
44 2,2-Dichloropropane	77	8.444	8.444	0.000	72	1162041	50.0	48.3	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.000	82	864919	50.0	48.5	
48 Chlorobromomethane	128	8.657	8.657	0.000	95	456309	50.0	50.5	
49 Tetrahydrofuran	42	8.681	8.681	0.000	82	368276	100.0	95.2	
50 Chloroform	83	8.669	8.681	-0.012	94	1373527	50.0	48.8	
51 1,1,1-Trichloroethane	97	8.859	8.859	0.000	98	1258557	50.0	51.2	
52 Cyclohexane	56	8.906	8.907	-0.001	87	1123438	50.0	50.0	
53 Isobutyl alcohol	43	8.918	8.918	0.000	89	811971	1250.0	1245.4	
54 1,1-Dichloropropene	75	8.966	8.966	0.000	95	985844	50.0	49.2	
55 Carbon tetrachloride	117	9.001	9.001	0.000	97	1138404	50.0	51.0	
57 Benzene	78	9.167	9.167	0.000	95	2891527	50.0	49.4	
58 1,2-Dichloroethane	62	9.167	9.179	-0.012	99	1109978	50.0	49.5	
59 n-Heptane	43	9.191	9.203	-0.012	91	712997	50.0	47.8	
62 Trichloroethene	95	9.642	9.642	0.000	96	795700	50.0	49.0	
64 Methylcyclohexane	83	9.796	9.796	0.000	88	1111995	50.0	51.1	
65 1,2-Dichloropropane	63	9.843	9.843	0.000	94	709848	50.0	50.2	
66 1,4-Dioxane	88	9.903	9.903	0.000	92	119065	1000.0	950.5	
67 Dibromomethane	93	9.962	9.962	0.000	94	515710	50.0	50.9	
68 Dichlorobromomethane	83	10.033	10.033	0.000	99	1102944	50.0	51.0	
69 2-Chloroethyl vinyl ether	63	10.163	10.164	-0.001	94	446882	50.0	53.4	
72 cis-1,3-Dichloropropene	75	10.353	10.353	0.000	98	1221991	50.0	50.6	
73 4-Methyl-2-pentanone (MIBK)	43	10.389	10.389	0.000	97	3206112	250.0	256.8	
74 Toluene	92	10.626	10.626	0.000	98	1882921	50.0	48.9	
75 Ethyl methacrylate	69	10.697	10.697	0.000	88	882534	50.0	54.2	
77 trans-1,3-Dichloropropene	75	10.768	10.768	0.000	95	1176107	50.0	50.3	
79 1,1,2-Trichloroethane	83	10.946	10.946	0.000	93	551694	50.0	50.3	
80 2-Hexanone	43	11.029	11.029	0.000	97	2371876	250.0	259.1	
81 Tetrachloroethene	166	11.077	11.077	0.000	96	877102	50.0	48.7	
82 1,3-Dichloropropane	76	11.088	11.088	0.000	91	1130006	50.0	49.8	
83 Chlorodibromomethane	129	11.314	11.314	0.000	89	906781	50.0	51.7	
84 Ethylene Dibromide	107	11.444	11.444	0.000	99	718245	50.0	50.7	
87 Chlorobenzene	112	11.776	11.776	0.000	96	2256596	50.0	48.9	
88 Ethylbenzene	91	11.788	11.788	0.000	98	3569482	50.0	50.0	
89 1,1,1,2-Tetrachloroethane	131	11.824	11.812	0.012	95	860088	50.0	49.2	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	96	1420226	50.0	49.2	
91 o-Xylene	106	12.215	12.215	0.000	96	1419225	50.0	50.1	
92 Styrene	104	12.227	12.227	0.000	93	2392583	50.0	51.9	
94 Isopropylbenzene	105	12.488	12.488	0.000	97	3595614	50.0	49.6	
95 Bromoform	173	12.500	12.500	0.000	98	580928	50.0	52.5	
97 1,1,2,2-Tetrachloroethane	83	12.760	12.761	-0.001	96	842202	50.0	49.4	
98 trans-1,4-Dichloro-2-buten	53	12.796	12.796	0.000	95	269543	50.0	54.1	
99 N-Propylbenzene	91	12.843	12.844	-0.001	99	4126405	50.0	50.0	
100 1,2,3-Trichloropropane	110	12.843	12.844	-0.001	81	289596	50.0	51.0	
101 Bromobenzene	156	12.891	12.891	0.000	92	1023779	50.0	48.6	
102 1,3,5-Trimethylbenzene	105	12.950	12.950	0.000	94	3079842	50.0	50.1	
103 2-Chlorotoluene	126	12.998	12.998	0.000	97	921183	50.0	49.1	
105 4-Chlorotoluene	126	13.093	13.093	-0.001	97	961319	50.0	49.2	
106 tert-Butylbenzene	134	13.282	13.282	0.000	92	692524	50.0	48.4	
107 1,2,4-Trimethylbenzene	105	13.330	13.330	0.000	97	3240134	50.0	49.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.484	0.000	94	3638059	50.0	49.6	
110 4-Isopropyltoluene	119	13.579	13.579	0.000	97	3252296	50.0	50.2	
111 1,3-Dichlorobenzene	146	13.709	13.709	0.000	97	1955365	50.0	49.5	
113 1,4-Dichlorobenzene	146	13.780	13.780	0.000	95	1989925	50.0	49.8	
115 n-Butylbenzene	91	13.994	13.994	0.000	98	2719731	50.0	49.7	
116 1,2-Dichlorobenzene	146	14.195	14.195	0.000	98	1880551	50.0	49.3	
117 1,2-Dibromo-3-Chloropropan	75	15.061	15.061	0.000	86	173671	50.0	46.1	
119 1,2,4-Trichlorobenzene	180	16.105	16.105	0.000	94	1345445	50.0	50.3	
120 Hexachlorobutadiene	225	16.223	16.223	0.000	98	503273	50.0	48.0	
121 Naphthalene	128	16.531	16.532	-0.001	97	3347801	50.0	51.0	
122 1,2,3-Trichlorobenzene	180	16.887	16.887	0.000	95	1274020	50.0	50.2	
S 125 1,2-Dichloroethene, Total	1				0			95.7	
S 126 1,3-Dichloropropene, Total	1				0			100.8	
S 123 Total BTEX	1				0			247.7	
S 124 Xylenes, Total	1				0			99.4	

Reagents:

8260 CORP mix_00118	Amount Added: 25.00	Units: uL	
GAS CORP mix_00259	Amount Added: 25.00	Units: uL	
C_8260_IS_00105	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00121	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180111-68523.b\\C1657.D

Injection Date: 11-Jan-2018 17:12:30

Instrument ID: HP5973C

Operator ID: RR

Lims ID: IC 6

Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL

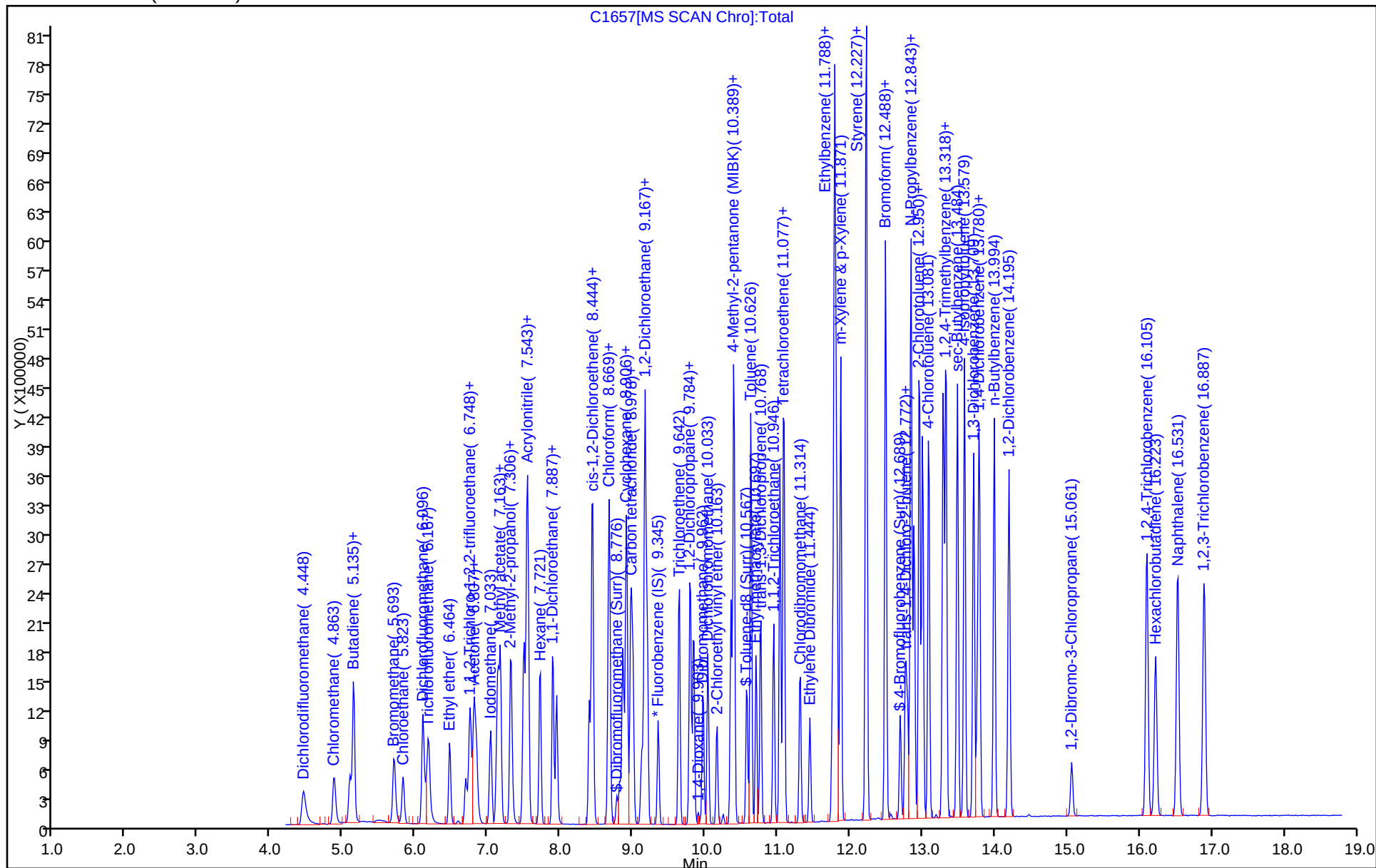
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1658.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 11-Jan-2018 17:38:30 ALS Bottle#: 11 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic 7
 Misc. Info.: 480-0068523-013
 Operator ID: RR Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-Jan-2018 13:14:01 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK024

First Level Reviewer: reiler

Date: 12-Jan-2018 09:50:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.345	9.345	0.000	99	181345	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.752	11.753	-0.001	84	408789	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	94	427994	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	256286	25.0	25.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	96	138670	25.0	24.8	
\$ 5 Toluene-d8 (Surr)	98	10.578	10.567	0.011	93	932264	25.0	24.5	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.689	0.000	91	349612	25.0	25.2	
10 Dichlorodifluoromethane	85	4.448	4.460	-0.012	99	1997496	100.0	110.8	
12 Chloromethane	50	4.875	4.875	0.000	99	1820650	100.0	105.8	
13 Vinyl chloride	62	5.088	5.088	0.000	98	1867860	100.0	102.3	
151 Butadiene	54	5.147	5.147	0.000	95	1675946	100.0	106.2	
14 Bromomethane	94	5.705	5.705	0.000	92	1500595	100.0	102.3	
15 Chloroethane	64	5.823	5.823	0.000	100	1170636	100.0	104.8	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	97	3033071	100.0	102.9	
17 Trichlorofluoromethane	101	6.179	6.179	0.000	98	3071120	100.0	106.8	
18 Ethyl ether	59	6.464	6.476	-0.012	92	1217014	100.0	113.5	
20 Acrolein	56	6.689	6.689	0.000	99	1089033	500.0	579.0	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	1704218	100.0	121.1	
22 1,1-Dichloroethene	96	6.807	6.808	-0.001	98	1536385	100.0	109.5	
23 Acetone	43	6.843	6.843	0.000	99	2539748	500.0	558.7	
25 Iodomethane	142	7.033	7.033	0.000	100	3122967	100.0	113.5	
26 Carbon disulfide	76	7.128	7.128	0.000	100	6048193	100.0	114.3	
27 Methyl acetate	43	7.140	7.140	0.000	98	2010222	200.0	220.7	
28 3-Chloro-1-propene	41	7.163	7.175	-0.012	80	2385143	100.0	111.6	
30 Methylene Chloride	84	7.306	7.317	-0.011	93	1705639	100.0	99.1	
31 2-Methyl-2-propanol	59	7.317	7.329	-0.012	99	1675628	1000.0	1108.6	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	95	4930472	100.0	109.6	
33 Acrylonitrile	53	7.531	7.531	0.000	98	4952308	1000.0	1107.8	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	99	1701192	100.0	106.8	
35 Hexane	57	7.721	7.721	0.000	94	1945084	100.0	117.5	

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	7.887	7.899	-0.012	98	6098622	200.0	230.0	
39 1,1-Dichloroethane	63	7.946	7.946	0.000	96	2814900	100.0	111.0	
43 2-Butanone (MEK)	43	8.397	8.397	-0.001	100	3462898	500.0	566.6	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.000	82	1961914	100.0	109.7	
44 2,2-Dichloropropane	77	8.444	8.444	0.000	72	2696985	100.0	111.6	
48 Chlorobromomethane	128	8.657	8.657	0.000	91	1021084	100.0	112.7	
50 Chloroform	83	8.681	8.681	0.000	93	3100238	100.0	109.9	
49 Tetrahydrofuran	42	8.681	8.681	0.000	53	834229	200.0	214.8	
51 1,1,1-Trichloroethane	97	8.859	8.859	0.000	98	2947703	100.0	119.4	
52 Cyclohexane	56	8.906	8.907	-0.001	87	2720691	100.0	120.6	
53 Isobutyl alcohol	43	8.918	8.918	0.000	88	1932123	2500.0	2953.3	
54 1,1-Dichloropropene	75	8.966	8.966	0.000	95	2330582	100.0	115.9	
55 Carbon tetrachloride	117	9.001	9.001	0.000	97	2724795	100.0	121.6	
57 Benzene	78	9.167	9.167	0.000	97	6559890	100.0	111.7	
58 1,2-Dichloroethane	62	9.167	9.179	-0.012	98	2480790	100.0	110.3	
59 n-Heptane	43	9.191	9.203	-0.012	92	1734028	100.0	115.9	
62 Trichloroethene	95	9.642	9.642	0.000	96	1869037	100.0	114.6	
64 Methylcyclohexane	83	9.796	9.796	0.000	88	2756477	100.0	126.3	
65 1,2-Dichloropropane	63	9.843	9.843	0.000	94	1603712	100.0	113.1	
66 1,4-Dioxane	88	9.903	9.903	0.000	91	280297	2000.0	2197.3	
67 Dibromomethane	93	9.962	9.962	0.000	94	1163940	100.0	114.4	
68 Dichlorobromomethane	83	10.033	10.033	0.000	98	2507197	100.0	115.4	
69 2-Chloroethyl vinyl ether	63	10.163	10.164	-0.001	94	1037240	100.0	123.5	
72 cis-1,3-Dichloropropene	75	10.353	10.353	0.000	98	2786360	100.0	114.9	
73 4-Methyl-2-pentanone (MIBK)	43	10.389	10.389	0.000	97	7207442	500.0	566.9	
74 Toluene	92	10.626	10.626	0.000	98	4266365	100.0	108.9	
75 Ethyl methacrylate	69	10.697	10.697	0.000	88	2054156	100.0	123.8	
77 trans-1,3-Dichloropropene	75	10.768	10.768	0.000	95	2678495	100.0	112.4	
79 1,1,2-Trichloroethane	83	10.946	10.946	0.000	92	1238051	100.0	110.8	
80 2-Hexanone	43	11.029	11.029	0.000	96	5402612	500.0	579.6	
81 Tetrachloroethene	166	11.077	11.077	0.000	96	2062854	100.0	112.5	
82 1,3-Dichloropropane	76	11.088	11.088	0.000	91	2531920	100.0	109.5	
83 Chlorodibromomethane	129	11.314	11.314	0.000	89	2074407	100.0	116.1	
84 Ethylene Dibromide	107	11.444	11.444	0.000	98	1646291	100.0	114.0	
87 Chlorobenzene	112	11.776	11.776	0.000	91	5076424	100.0	108.0	
88 Ethylbenzene	91	11.788	11.788	0.000	97	8137000	100.0	111.9	
89 1,1,1,2-Tetrachloroethane	131	11.824	11.812	0.012	95	1977734	100.0	111.1	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	97	3292262	100.0	112.1	
91 o-Xylene	106	12.215	12.215	0.000	96	3257529	100.0	113.0	
92 Styrene	104	12.227	12.227	0.000	93	5486744	100.0	116.8	
94 Isopropylbenzene	105	12.488	12.488	0.000	97	8318017	100.0	114.1	
95 Bromoform	173	12.500	12.500	0.000	98	1353330	100.0	120.0	
97 1,1,2,2-Tetrachloroethane	83	12.760	12.761	-0.001	96	1902880	100.0	110.8	
98 trans-1,4-Dichloro-2-buten	53	12.796	12.796	0.000	93	610839	100.0	121.8	
100 1,2,3-Trichloropropane	110	12.843	12.844	-0.001	83	656081	100.0	114.8	
99 N-Propylbenzene	91	12.843	12.844	-0.001	99	9456083	100.0	113.8	
101 Bromobenzene	156	12.891	12.891	0.000	90	2317200	100.0	109.2	
102 1,3,5-Trimethylbenzene	105	12.950	12.950	0.000	94	7069791	100.0	114.2	
103 2-Chlorotoluene	126	12.998	12.998	0.000	97	2104154	100.0	111.4	
105 4-Chlorotoluene	126	13.092	13.093	-0.001	97	2210029	100.0	112.3	
106 tert-Butylbenzene	134	13.282	13.282	0.000	92	1611920	100.0	112.0	
107 1,2,4-Trimethylbenzene	105	13.330	13.330	0.000	97	7351164	100.0	112.0	

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	13.484	13.484	0.000	94	8475529	100.0	114.7	
110 4-Isopropyltoluene	119	13.579	13.579	0.000	97	7583284	100.0	116.3	
111 1,3-Dichlorobenzene	146	13.709	13.709	0.000	98	4521146	100.0	113.6	
113 1,4-Dichlorobenzene	146	13.780	13.780	0.000	95	4514519	100.0	112.3	M
115 n-Butylbenzene	91	13.994	13.994	0.000	97	6352008	100.0	115.2	
116 1,2-Dichlorobenzene	146	14.195	14.195	0.000	98	4245772	100.0	110.6	
117 1,2-Dibromo-3-Chloropropan	75	15.061	15.061	0.000	87	413617	100.0	109.1	
119 1,2,4-Trichlorobenzene	180	16.105	16.105	0.000	95	3048813	100.0	113.2	
120 Hexachlorobutadiene	225	16.223	16.223	0.000	98	1196833	100.0	113.3	
121 Naphthalene	128	16.531	16.532	-0.001	97	7644841	100.0	115.6	
122 1,2,3-Trichlorobenzene	180	16.899	16.887	0.012	95	2877913	100.0	112.7	
S 123 Total BTEX	1				0			557.6	
S 124 Xylenes, Total	1				0			225.1	
S 125 1,2-Dichloroethene, Total	1				0			216.5	
S 126 1,3-Dichloropropene, Total	1				0			227.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00118

Amount Added: 50.00

Units: uL

GAS CORP mix_00259

Amount Added: 50.00

Units: uL

C_8260_IS_00105

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00121

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180111-68523.b\\C1658.D

Injection Date: 11-Jan-2018 17:38:30

Instrument ID: HP5973C

Operator ID: RR

Lims ID: IC 7

Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL

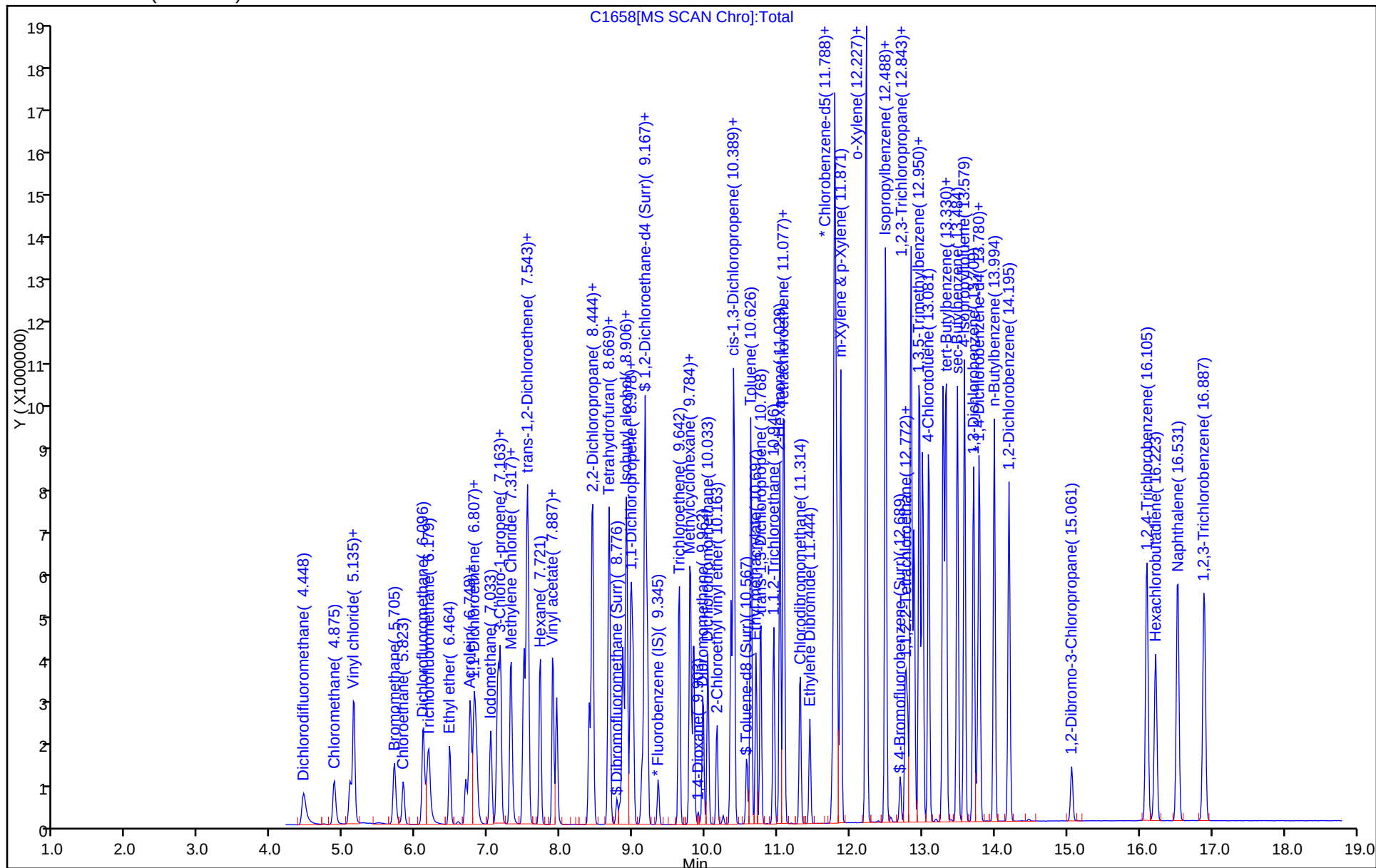
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1658.D

Injection Date: 11-Jan-2018 17:38:30

Instrument ID: HP5973C

Lims ID: IC 7

Client ID:

Operator ID: RR

ALS Bottle#:

11

Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

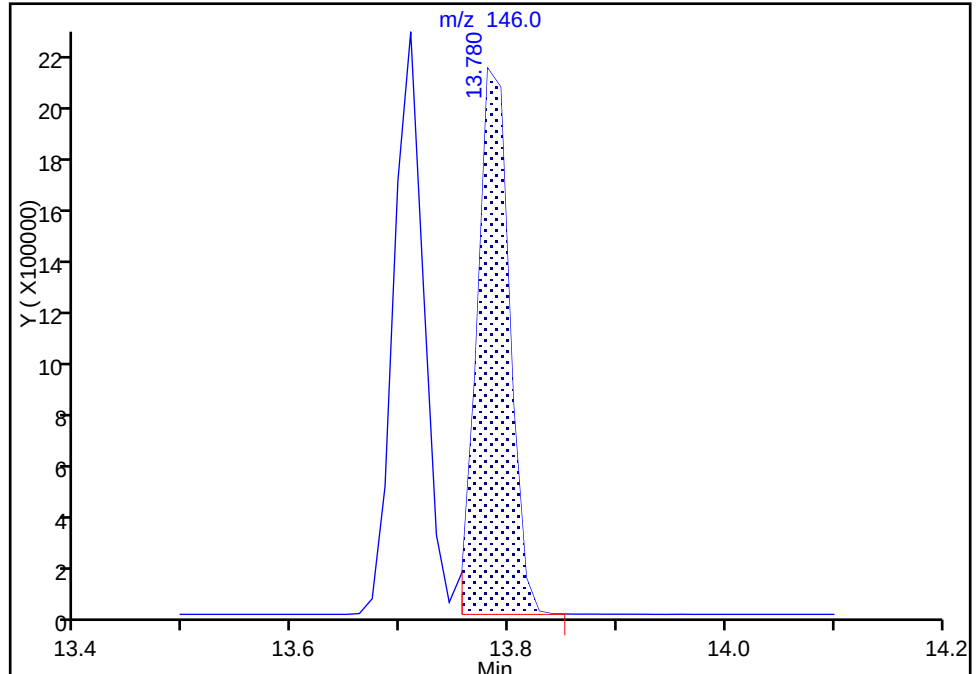
Detector: MS SCAN

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

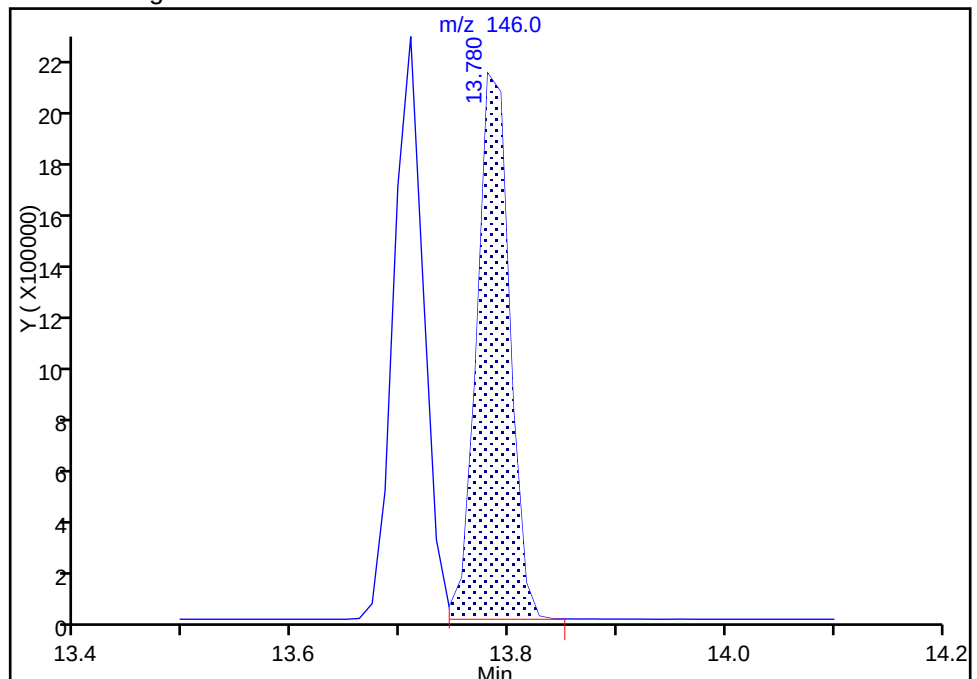
RT: 13.78
Area: 4480481
Amount: 111.5754
Amount Units: ug/L

Processing Integration Results



RT: 13.78
Area: 4514519
Amount: 112.2871
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 09:57:01

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 390433

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-390433/7	94698P.D
Level 2	IC 480-390433/8	94699P.D
Level 3	IC 480-390433/9	94700P.D
Level 4	IC 480-390433/10	94701P.D
Level 5	ICIS 480-390433/11	94702P.D
Level 6	IC 480-390433/12	94703P.D
Level 7	IC 480-390433/13	94704P.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Dichlorodifluoromethane	+++++ 2.0325	1.5992 1.8155	1.7618	1.9143	1.8053	Ave		1.8214			0.1000	8.0		20.0			
Chloromethane	5.6878 5.8457	4.7668 5.7561	5.1518	5.8946	5.6504	Ave		5.5362			0.1000	7.6		20.0			
Vinyl chloride	2.5151 2.5503	2.1339 2.5850	2.3735	2.6241	2.3324	Ave		2.4449			0.1000	7.1		20.0			
Butadiene	+++++ 3.2978	2.7525 3.1068	2.7666	2.9373	2.8274	Ave		2.9481				7.3		20.0			
Bromomethane	+++++ 1.2340	1.2990 1.2803	1.3015	1.3341	1.2159	Ave		1.2775			0.1000	3.5		20.0			
Chloroethane	1.4018 1.4623	0.9616 1.5025	1.1729	1.3890	1.3460	Ave		1.3194			0.1000	14.4		20.0			
Dichlorofluoromethane	+++++ 3.4451	3.4209 3.4264	3.3734	3.4896	3.3180	Ave		3.4122				1.7		20.0			
Trichlorofluoromethane	+++++ 3.0190	2.5538 2.7291	2.7587	2.9080	2.6566	Ave		2.7709			0.1000	6.1		20.0			
Ethyl ether	+++++ 2.4438	2.4645 2.4793	2.4916	2.6108	2.4269	Ave		2.4861				2.6		20.0			
Acrolein	+++++ 0.4401	0.4091 0.4662	0.4665	0.4727	0.4388	Ave		0.4489				5.4		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.7699	1.5954 1.5977	1.5914	1.6449	1.5685	Ave		1.6280			0.1000	4.5		20.0			
1,1-Dichloroethene	+++++ 1.7006	1.0742 1.6423	1.8635	1.6001	1.6495	Lin1	-0.359	1.6704			0.1000				0.9990		0.9900
Acetone	1.4496 1.3869	1.7415 1.4346	1.5902	1.5207	1.4097	Ave		1.5047			0.1000	8.3		20.0			
Iodomethane	2.1109 2.8640	1.5756 2.7647	2.5929	2.9454	2.8026	Ave		2.5223				19.8		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: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 390433
SDG No.: _____
Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl acetate	4.3365 3.4802	3.9146 3.6046	3.7718	3.8340	3.5347	Ave		3.7823			0.1000	7.7		20.0			
Carbon disulfide	++++ 6.3924	6.0416 6.3880	6.4462	6.3689	6.1408	Ave		6.2963			0.1000	2.6		20.0			
Allyl chloride	++++ 7.0666	7.1782 6.9673	6.8004	7.0960	6.7836	Ave		6.9820				2.3		20.0			
2-Methyl-2-propanol	++++ 0.4150	0.3900 0.3731	0.4120	0.3706	0.3724	Ave		0.3889				5.2		20.0			
Methylene Chloride	2.1577 1.7416	2.5105 1.7506	1.8599	1.8198	1.7201	Ave		1.9372			0.1000	15.2		20.0			
Methyl tert-butyl ether	4.8675 4.9217	4.8209 5.0440	4.8702	5.1022	4.6924	Ave		4.9027			0.1000	2.8		20.0			
trans-1,2-Dichloroethene	++++ 1.6235	1.5917 1.6343	1.7613	1.7299	1.6172	Ave		1.6597			0.1000	4.1		20.0			
Acrylonitrile	1.6129 1.6007	1.7921 1.6218	1.7630	1.7216	1.6256	Ave		1.6768				4.8		20.0			
Hexane	++++ 4.3136	3.5814 3.9930	3.7538	4.0104	3.7212	Ave		3.8956				6.8		20.0			
Vinyl acetate	++++ 9.2707	9.2262 9.1117	9.8885	10.047	9.5470	Ave		9.5153				4.0		20.0			
1,1-Dichloroethane	++++ 4.0582	4.0407 4.1166	4.0516	4.1756	3.9731	Ave		4.0693			0.2000	1.7		20.0			
2-Butanone (MEK)	++++ 2.2602	2.4318 2.3180	2.4477	2.4509	2.3216	Ave		2.3717			0.1000	3.5		20.0			
2,2-Dichloropropane	++++ 1.9797	1.8544 1.9480	1.9392	2.1138	1.9274	Ave		1.9604				4.4		20.0			
cis-1,2-Dichloroethene	2.0842 1.8333	2.2509 1.8026	1.9840	1.9615	1.8126	Ave		1.9613			0.1000	8.4		20.0			
Chlorobromomethane	++++ 0.8896	0.8919 0.8991	0.8036	0.9521	0.8670	Ave		0.8839				5.5		20.0			
Tetrahydrofuran	1.7616 1.5514	1.9393 1.5922	1.7248	1.6610	1.5832	Ave		1.6876				8.0		20.0			
Chloroform	++++ 2.7318	2.7645 2.7414	2.8166	2.7827	2.6896	Ave		2.7544			0.2000	1.6		20.0			
1,1,1-Trichloroethane	++++ 2.6110	2.5031 2.6125	2.5297	2.6762	2.5077	Ave		2.5734			0.1000	2.7		20.0			
Cyclohexane	5.9954 6.2695	5.2468 5.8378	5.5521	5.7429	5.4337	Ave		5.7255			0.1000	6.1		20.0			
1,1-Dichloropropene	++++ 2.1914	1.8988 2.1852	2.1893	2.2714	2.0820	Ave		2.1364				6.1		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 390433
SDG No.: _____
Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isobutyl alcohol	++++ 0.2694	0.2575 0.2465	0.2424	0.2302	0.2428	Ave		0.2481				5.5		20.0			
Carbon tetrachloride	++++ 2.3643	2.1355 2.3436	2.1450	2.3210	2.2470	Ave		2.2594			0.1000	4.4		20.0			
Benzene	++++ 6.2978	6.2789 6.2176	6.4076	6.4705	6.1619	Ave		6.3057			0.5000	1.8		20.0			
1,2-Dichloroethane	++++ 3.3914	3.4610 3.4962	3.4824	3.6488	3.3840	Ave		3.4773			0.1000	2.8		20.0			
n-Heptane	++++ 5.0569	3.7597 4.3185	4.4134	4.4847	4.1814	Ave		4.3691				9.7		20.0			
Trichloroethene	++++ 1.7061	1.6897 1.7151	1.6501	1.7678	1.6412	Ave		1.6950			0.2000	2.7		20.0			
Methylcyclohexane	++++ 2.5321	2.0746 2.3119	2.1640	2.3066	2.1592	Ave		2.2581			0.1000	7.2		20.0			
1,2-Dichloropropane	++++ 2.3481	2.1509 2.4202	2.4111	2.4401	2.2925	Ave		2.3438			0.1000	4.7		20.0			
1,4-Dioxane	++++ 0.0092	0.0052 0.0061	0.0074	0.0059	0.0067	Ave		0.0068				21.0	*	20.0			
Dibromomethane	++++ 1.0898	1.1911 1.1237	1.1419	1.1637	1.0668	Ave		1.1295			0.1000	4.1		20.0			
Bromodichloromethane	++++ 2.2050	2.0143 2.2354	2.1398	2.2109	2.1224	Ave		2.1546			0.2000	3.8		20.0			
2-Chloroethyl vinyl ether	++++ 1.6015	1.5261 1.7340	1.6318	1.6454	1.6236	Ave		1.6271				4.1		20.0			
cis-1,3-Dichloropropene	++++ 2.6036	2.6818 2.7364	2.6063	2.6759	2.6063	Ave		2.6517			0.2000	2.1		20.0			
4-Methyl-2-pentanone (MIBK)	2.2415 2.1195	2.2198 2.0001	2.3358	2.3740	2.1833	Ave		2.2106			0.1000	5.7		20.0			
Toluene	++++ 1.9407	1.8996 1.9622	1.8699	2.0275	1.9019	Ave		1.9336			0.4000	2.9		20.0			
Ethyl methacrylate	1.0075 0.9719	0.9890 1.0399	0.9564	1.0438	0.9661	Ave		0.9964				3.5		20.0			
trans-1,3-Dichloropropene	++++ 1.1560	1.1184 1.1970	1.1356	1.1775	1.1138	Ave		1.1497			0.1000	2.9		20.0			
1,1,2-Trichloroethane	0.6330 0.5521	0.7019 0.5818	0.5686	0.5877	0.5545	Ave		0.5971			0.1000	9.0		20.0			
Tetrachloroethene	++++ 0.8354	0.7384 0.8233	0.8102	0.9049	0.7770	Ave		0.8149			0.2000	6.9		20.0			
2-Hexanone	++++ 1.5154	1.6105 1.5076	1.7158	1.6896	1.5851	Ave		1.6040			0.1000	5.4		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 390433
SDG No.: _____
Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3-Dichloropropane	++++ 1.1426	1.1451 1.1731	1.2141	1.2263	1.1237	Ave		1.1708				3.5		20.0			
Dibromochloromethane	++++ 0.8440	0.8701 0.8789	0.8378	0.8630	0.8033	Ave		0.8495			0.1000	3.2		20.0			
1,2-Dibromoethane	++++ 0.7229	0.8113 0.7699	0.7484	0.7952	0.7181	Ave		0.7609				5.0		20.0			
Chlorobenzene	2.3146 2.2574	2.2676 2.2598	2.2661	2.3386	2.2233	Ave		2.2753			0.5000	1.7		20.0			
Ethylbenzene	3.4800 3.6082	3.4204 3.6283	3.5188	3.7537	3.5341	Ave		3.5634			0.1000	3.1		20.0			
1,1,1,2-Tetrachloroethane	++++ 0.8047	0.7517 0.8132	0.8015	0.8448	0.7663	Ave		0.7970				4.2		20.0			
m,p-Xylene	1.4021 1.4130	1.3144 1.4529	1.3413	1.5012	1.3541	Ave		1.3970			0.1000	4.7		20.0			
o-Xylene	++++ 1.3652	1.3639 1.3926	1.3595	1.4573	1.3582	Ave		1.3828			0.3000	2.8		20.0			
Styrene	++++ 2.4096	2.2398 2.4672	2.2933	2.4882	2.3841	Ave		2.3804			0.3000	4.1		20.0			
Bromoform	++++ 0.6088	0.5731 0.6450	0.5687	0.6336	0.5887	Ave		0.6030			0.1000	5.2		20.0			
Isopropylbenzene	3.0384 3.1639	2.7859 3.1466	2.9902	3.1432	3.1019	Ave		3.0529			0.1000	4.4		20.0			
1,1,2,2-Tetrachloroethane	++++ 0.8350	0.8651 0.8823	0.8835	0.8668	0.8539	Ave		0.8645			0.3000	2.1		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.6136	0.6834 0.6504	0.5804	0.6198	0.6226	Ave		0.6284				5.6		20.0			
N-Propylbenzene	++++ 3.7960	3.5268 3.7703	3.6701	3.7445	3.6584	Ave		3.6943				2.7		20.0			
Bromobenzene	0.9659 0.9304	0.9962 0.9301	0.9426	0.9487	0.9393	Ave		0.9505				2.5		20.0			
1,2,3-Trichloropropane	0.3044 0.2524	0.3486 0.2666	0.2794	0.2479	0.2656	Ave		0.2807				12.6		20.0			
1,3,5-Trimethylbenzene	2.6401 2.7057	2.4028 2.6958	2.4774	2.6538	2.6240	Ave		2.5999				4.4		20.0			
2-Chlorotoluene	++++ 0.7952	0.7914 0.7924	0.7814	0.8254	0.7830	Ave		0.7948				2.0		20.0			
4-Chlorotoluene	++++ 0.8458	0.8627 0.8410	0.8023	0.8405	0.8204	Ave		0.8355				2.5		20.0			
tert-Butylbenzene	++++ 0.5871	0.5189 0.5766	0.5155	0.5624	0.5551	Ave		0.5526				5.4		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 390433
SDG No.: _____
Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	2.6523 2.8633	2.4575 2.8415	2.7267	2.8135	2.7888	Ave		2.7348				5.2		20.0			
sec-Butylbenzene	3.2227 3.2444	2.8208 3.1763	3.0295	3.0940	3.0863	Ave		3.0963				4.7		20.0			
4-Isopropyltoluene	++++ 2.9308	2.6991 2.8428	2.6167	2.8166	2.8311	Ave		2.7895				4.0		20.0			
1,3-Dichlorobenzene	++++ 1.6751	1.6403 1.6814	1.6739	1.6974	1.6336	Ave		1.6670			0.6000	1.5		20.0			
1,4-Dichlorobenzene	++++ 1.7382	1.6892 1.7331	1.7104	1.7090	1.6796	Ave		1.7099			0.5000	1.4		20.0			
n-Butylbenzene	++++ 2.5080	2.3599 2.4546	2.3024	2.3831	2.3637	Ave		2.3953				3.1		20.0			
1,2-Dichlorobenzene	1.6399 1.6775	1.5045 1.6781	1.6653	1.6628	1.6550	Ave		1.6404			0.4000	3.7		20.0			
1,2-Dibromo-3-Chloropropane	0.3600 0.1886	0.2883 0.2035	0.2148	0.1872	0.1932	Lin1	0.0789	0.1957			0.0500				0.9980		0.9900
1,2,4-Trichlorobenzene	++++ 1.1852	1.1186 1.1573	1.0791	1.1577	1.1521	Ave		1.1417			0.2000	3.3		20.0			
Hexachlorobutadiene	0.4278 0.4354	0.3433 0.4141	0.3824	0.4073	0.3950	Ave		0.4007				7.8		20.0			
Naphthalene	++++ 3.3018	3.0992 3.3952	3.2281	3.2503	3.2436	Ave		3.2530				3.0		20.0			
1,2,3-Trichlorobenzene	1.1055 1.1388	1.0697 1.1094	1.0671	1.0809	1.0770	Ave		1.0926				2.4		20.0			
Dibromofluoromethane (Surr)	1.3974 1.3814	1.3696 1.3361	1.3488	1.3902	1.3457	Ave		1.3670				1.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8730 0.8767	0.9064 0.8878	0.9048	0.9240	0.8889	Ave		0.8945				2.0		20.0			
Toluene-d8 (Surr)	2.3355 2.3199	2.3367 2.3133	2.3141	2.3730	2.2977	Ave		2.3272				1.0		20.0			
4-Bromofluorobenzene (Surr)	0.8175 0.8453	0.8233 0.8271	0.8232	0.8377	0.8085	Ave		0.8261				1.5		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 390433

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-390433/7	94698P.D
Level 2	IC 480-390433/8	94699P.D
Level 3	IC 480-390433/9	94700P.D
Level 4	IC 480-390433/10	94701P.D
Level 5	ICIS 480-390433/11	94702P.D
Level 6	IC 480-390433/12	94703P.D
Level 7	IC 480-390433/13	94704P.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	++++ 862227	12555 1580647	68643	153785	370492	++++ 50.0	1.00 100	5.00	10.0	25.0
Chloromethane	FB	Ave	22203 2479822	37422 5011496	200729	473557	1159562	0.500 50.0	1.00 100	5.00	10.0	25.0
Vinyl chloride	FB	Ave	9818 1081867	16752 2250636	92476	210811	478659	0.500 50.0	1.00 100	5.00	10.0	25.0
Butadiene	FB	Ave	++++ 1398958	21609 2704898	107794	235977	580241	++++ 50.0	1.00 100	5.00	10.0	25.0
Bromomethane	FB	Ave	++++ 523476	10198 1114688	50709	107177	249522	++++ 50.0	1.00 100	5.00	10.0	25.0
Chloroethane	FB	Ave	5472 620308	7549 1308130	45698	111584	276217	0.500 50.0	1.00 100	5.00	10.0	25.0
Dichlorofluoromethane	FB	Ave	++++ 1461436	26856 2983185	131435	280341	680918	++++ 50.0	1.00 100	5.00	10.0	25.0
Trichlorofluoromethane	FB	Ave	++++ 1280679	20049 2376087	107488	233623	545185	++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl ether	FB	Ave	++++ 1036671	19348 2158588	97079	209744	498044	++++ 50.0	1.00 100	5.00	10.0	25.0
Acrolein	FB	Ave	++++ 933556	16057 2029433	90884	189887	450272	++++ 250	5.00 500	25.0	50.0	125
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 750809	12525 1391030	62006	132150	321890	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethene	FB	Lin1	++++ 721413	8433 1429852	72608	128543	338517	++++ 50.0	1.00 100	5.00	10.0	25.0
Acetone	FB	Ave	28294 2941648	68357 6245064	309796	610824	1446520	2.50 250	5.00 500	25.0	50.0	125
Iodomethane	FB	Ave	8240 1214945	12369 2407088	101025	236621	575150	0.500 50.0	1.00 100	5.00	10.0	25.0
Methyl acetate	FB	Ave	33856 2952634	61463 6276652	293916	616015	1450793	1.00 100	2.00 200	10.0	20.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 390433

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Carbon disulfide	FB	Ave	++++ 2711710	47430 5561692	251160	511657	1260216	++++ 50.0	1.00 100	5.00	10.0	25.0
Allyl chloride	FB	Ave	++++ 2997703	56353 6066049	264960	570071	1392118	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Methyl-2-propanol	FB	Ave	++++ 1760629	30619 3248456	160519	297745	764262	++++ 500	10.0 1000	50.0	100	250
Methylene Chloride	FB	Ave	8423 738784	19709 1524145	72467	146193	353004	0.500 50.0	1.00 100	5.00	10.0	25.0
Methyl tert-butyl ether	FB	Ave	19001 2087844	37847 4391530	189757	409894	962961	0.500 50.0	1.00 100	5.00	10.0	25.0
trans-1,2-Dichloroethene	FB	Ave	++++ 688695	12496 1422858	68624	138978	331888	++++ 50.0	1.00 100	5.00	10.0	25.0
Acrylonitrile	FB	Ave	62962 6790399	140688 14119806	686897	1383112	3336086	5.00 500	10.0 1000	50.0	100	250
Hexane	FB	Ave	++++ 1829886	28116 3476498	146259	322184	763670	++++ 50.0	1.00 100	5.00	10.0	25.0
Vinyl acetate	FB	Ave	++++ 7865448	144862 15866194	770566	1614360	3918433	++++ 100	2.00 200	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	++++ 1721538	31722 3584078	157860	335458	815347	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Butanone (MEK)	FB	Ave	++++ 4793941	95453 10090831	476836	984502	2382230	++++ 250	5.00 500	25.0	50.0	125
2,2-Dichloropropane	FB	Ave	++++ 839791	14558 1695984	75555	169817	395547	++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,2-Dichloroethene	FB	Ave	8136 777720	17671 1569420	77300	157579	371972	0.500 50.0	1.00 100	5.00	10.0	25.0
Chlorobromomethane	FB	Ave	++++ 377384	7002 782787	31311	76489	177931	++++ 50.0	1.00 100	5.00	10.0	25.0
Tetrahydrofuran	FB	Ave	13753 1316281	30449 2772574	134407	266872	649815	1.00 100	2.00 200	10.0	20.0	50.0
Chloroform	FB	Ave	++++ 1158873	21703 2386775	109742	223552	551955	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,1-Trichloroethane	FB	Ave	++++ 1107592	19651 2274608	98562	214999	514629	++++ 50.0	1.00 100	5.00	10.0	25.0
Cyclohexane	FB	Ave	23404 2659587	41190 5082646	216326	461367	1115098	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloropropene	FB	Ave	++++ 929631	14907 1902537	85302	182475	427269	++++ 50.0	1.00 100	5.00	10.0	25.0
Isobutyl alcohol	FB	Ave	++++ 2857566	50545 5364620	236070	462256	1245892	++++ 1250	25.0 2500	125	250	625
Carbon tetrachloride	FB	Ave	++++ 1002957	16765 2040427	83575	186463	461137	++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 390433

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzene	FB	Ave	++++ 2671576	49293 5413376	249655	519817	1264530	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloroethane	FB	Ave	++++ 1438672	27171 3043946	135685	293135	694453	++++ 50.0	1.00 100	5.00	10.0	25.0
n-Heptane	FB	Ave	++++ 2145205	29516 3759900	171958	360287	858094	++++ 50.0	1.00 100	5.00	10.0	25.0
Trichloroethene	FB	Ave	++++ 723743	13265 1493267	64294	142017	336811	++++ 50.0	1.00 100	5.00	10.0	25.0
Methylcyclohexane	FB	Ave	++++ 1074157	16287 2012875	84317	185305	443113	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloropropane	FB	Ave	++++ 996081	16886 2107142	93943	196033	470469	++++ 50.0	1.00 100	5.00	10.0	25.0
1,4-Dioxane	CBNZ d5	Ave	++++ 167423	1758 229517	12605	20224	59291	++++ 1000	20.0 2000	100	200	500
Dibromomethane	FB	Ave	++++ 462295	9351 978386	44491	93488	218930	++++ 50.0	1.00 100	5.00	10.0	25.0
Bromodichloromethane	FB	Ave	++++ 935377	15813 1946285	83373	177616	435560	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chloroethyl vinyl ether	FB	Ave	++++ 679393	11981 1509739	63578	132185	333203	++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	++++ 1104473	21054 2382441	101548	214971	534865	++++ 50.0	1.00 100	5.00	10.0	25.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	95226 9617177	187595 18681647	997437	2035432	4856317	2.50 250	5.00 500	25.0	50.0	125
Toluene	CBNZ d5	Ave	++++ 1761188	32107 3665521	159699	347660	846077	++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl methacrylate	CBNZ d5	Ave	8560 882027	16716 1942627	81678	178983	429771	0.500 50.0	1.00 100	5.00	10.0	25.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	++++ 1049077	18904 2236101	96982	201912	495491	++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichloroethane	CBNZ d5	Ave	5378 501077	11863 1086779	48560	100769	246674	0.500 50.0	1.00 100	5.00	10.0	25.0
Tetrachloroethene	CBNZ d5	Ave	++++ 758126	12481 1537979	69192	155163	345675	++++ 50.0	1.00 100	5.00	10.0	25.0
2-Hexanone	CBNZ d5	Ave	++++ 6876165	136108 14081437	732678	1448659	3525833	++++ 250	5.00 500	25.0	50.0	125
1,3-Dichloropropane	CBNZ d5	Ave	++++ 1036950	19355 2191450	103689	210285	499885	++++ 50.0	1.00 100	5.00	10.0	25.0
Dibromochloromethane	CBNZ d5	Ave	++++ 765958	14706 1641826	71552	147984	357366	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromoethane	CBNZ d5	Ave	++++ 655998	13712 1438270	63917	136352	319448	++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 390433

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	19666 2048630	38328 4221459	193533	401020	989063	0.500 50.0	1.00 100	5.00	10.0	25.0
Ethylbenzene	CBNZ d5	Ave	29568 3274485	57812 6777852	300525	643673	1572187	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	++++ 730261	12705 1519150	68452	144857	340887	++++ 50.0	1.00 100	5.00	10.0	25.0
m,p-Xylene	CBNZ d5	Ave	11913 1282313	22216 2714193	114553	257412	602384	0.500 50.0	1.00 100	5.00	10.0	25.0
o-Xylene	CBNZ d5	Ave	++++ 1238961	23053 2601528	116109	249901	604232	++++ 50.0	1.00 100	5.00	10.0	25.0
Styrene	CBNZ d5	Ave	++++ 2186733	37857 4608861	195858	426674	1060626	++++ 50.0	1.00 100	5.00	10.0	25.0
Bromoform	CBNZ d5	Ave	++++ 552444	9686 1204827	48571	108651	261897	++++ 50.0	1.00 100	5.00	10.0	25.0
Isopropylbenzene	DCBd 4	Ave	28540 3117862	52804 6456573	285037	622933	1492769	0.500 50.0	1.00 100	5.00	10.0	25.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	++++ 822889	16397 1810492	84219	171789	410940	++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	++++ 604692	12953 1334595	55330	122830	299611	++++ 50.0	1.00 100	5.00	10.0	25.0
N-Propylbenzene	DCBd 4	Ave	++++ 3740819	66847 7736436	349847	742087	1760534	++++ 50.0	1.00 100	5.00	10.0	25.0
Bromobenzene	DCBd 4	Ave	9073 916880	18881 1908567	89851	188022	452008	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichloropropane	DCBd 4	Ave	2859 248708	6607 547085	26638	49129	127809	0.500 50.0	1.00 100	5.00	10.0	25.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	24799 2666333	45543 5531632	236152	525935	1262753	0.500 50.0	1.00 100	5.00	10.0	25.0
2-Chlorotoluene	DCBd 4	Ave	++++ 783659	15001 1625900	74483	163586	376791	++++ 50.0	1.00 100	5.00	10.0	25.0
4-Chlorotoluene	DCBd 4	Ave	++++ 833520	16351 1725673	76480	166581	394784	++++ 50.0	1.00 100	5.00	10.0	25.0
tert-Butylbenzene	DCBd 4	Ave	++++ 578541	9835 1183248	49137	111448	267140	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	24914 2821686	46579 5830509	259915	557589	1342054	0.500 50.0	1.00 100	5.00	10.0	25.0
sec-Butylbenzene	DCBd 4	Ave	30271 3197271	53465 6517554	288778	613176	1485223	0.500 50.0	1.00 100	5.00	10.0	25.0
4-Isopropyltoluene	DCBd 4	Ave	++++ 2888149	51159 5833334	249436	558198	1362406	++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichlorobenzene	DCBd 4	Ave	++++ 1650785	31090 3450226	159562	336388	786137	++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 390433

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/05/2017 13:31 Calibration End Date: 12/05/2017 16:27 Calibration ID: 32299

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	++++ 1712928	32017 3556190	163037	338700	808283	++++ 50.0	1.00 100	5.00	10.0	25.0
n-Butylbenzene	DCBd 4	Ave	++++ 2471578	44729 5036674	219472	472279	1137489	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichlorobenzene	DCBd 4	Ave	15404 1653061	28516 3443285	158741	329539	796466	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Lin1	3382 185828	5464 417517	20475	37099	92991	0.500 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	++++ 1167921	21201 2374822	102864	229443	554438	++++ 50.0	1.00 100	5.00	10.0	25.0
Hexachlorobutadiene	DCBd 4	Ave	4018 429109	6506 849658	36450	80723	190099	0.500 50.0	1.00 100	5.00	10.0	25.0
Naphthalene	DCBd 4	Ave	++++ 3253792	58742 6966696	307716	644162	1560934	++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	10384 1122275	20275 2276429	101723	214210	518289	0.500 50.0	1.00 100	5.00	10.0	25.0
Dibromofluoromethane (Surr)	FB	Ave	272750 292998	268794 290809	262758	279220	276164	25.0 25.0	25.0 25.0	25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	170402 185958	177884 193241	176262	185582	182413	25.0 25.0	25.0 25.0	25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	992169 1052671	987387 1080364	988196	1017270	1022158	25.0 25.0	25.0 25.0	25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	347287 383554	347873 386271	351506	359107	359663	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\HP5973P\20171205-67727.b\94698P.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 05-Dec-2017 13:31:30 ALS Bottle#: 100 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 480-0067727-007
 Operator ID: RF/RB Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 06-Dec-2017 12:17:40 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: baroner

Date: 06-Dec-2017 09:01:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.434	10.427	0.007	96	195182	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.382	14.382	0.000	92	424827	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.339	17.338	0.001	94	469659	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.631	9.631	0.000	93	272750	25.0	25.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.087	10.081	0.006	0	170402	25.0	24.4	
\$ 5 Toluene-d8 (Surr)	98	12.423	12.417	0.006	95	992169	25.0	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	15.879	15.878	0.000	89	347287	25.0	24.7	
10 Dichlorodifluoromethane	85	4.344	4.332	0.012	1	6008	0.5000	0.4225	M
11 Chloromethane	50	4.764	4.752	0.012	60	22203	0.5000	0.5137	M
17 Vinyl chloride	62	4.952	4.952	0.000	7	9818	0.5000	0.5144	
144 Butadiene	54	4.989	5.013	-0.024	48	8133	0.5000	0.3534	
12 Bromomethane	94	5.585	5.591	-0.006	10	5587	0.5000	0.5602	M
13 Chloroethane	64	5.713	5.713	0.000	30	5472	0.5000	0.5312	
19 Dichlorofluoromethane	67	6.017	6.029	-0.012	26	12371	0.5000	0.4644	
14 Trichlorofluoromethane	101	6.078	6.078	0.000	51	7832	0.5000	0.3620	
20 Ethyl ether	59	6.388	6.388	0.000	54	9117	0.5000	0.4697	
22 Acrolein	56	6.692	6.698	-0.006	53	8226	2.50	2.35	
16 1,1,2-Trichloro-1,2,2-trif	101	6.753	6.747	0.006	38	6958	0.5000	0.5474	
25 1,1-Dichloroethene	96	6.838	6.832	0.006	61	10523	0.5000	1.02	
24 Acetone	43	6.881	6.887	-0.006	80	28294	2.50	2.41	
18 Iodomethane	142	7.136	7.136	0.000	68	8240	0.5000	0.4184	
30 Methyl acetate	43	7.258	7.252	0.006	93	33856	1.00	1.15	
27 Carbon disulfide	76	7.252	7.258	-0.006	41	15554	0.5000	0.3164	
28 3-Chloro-1-propene	41	7.276	7.276	0.000	94	33204	0.5000	0.6091	
33 2-Methyl-2-propanol	59	7.501	7.495	0.006	65	13997	5.00	4.61	
31 Methylene Chloride	84	7.514	7.513	0.001	80	8423	0.5000	0.5569	
32 Methyl tert-butyl ether	73	7.684	7.684	0.000	75	19001	0.5000	0.4964	
35 trans-1,2-Dichloroethene	96	7.775	7.781	-0.006	84	9202	0.5000	0.7102	
34 Acrylonitrile	53	7.818	7.812	0.006	94	62962	5.00	4.81	
36 Hexane	57	7.976	7.976	0.000	95	18241	0.5000	0.5998	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	8.280	8.274	0.006	94	81520	1.00	1.10	
40 1,1-Dichloroethane	63	8.329	8.335	-0.006	94	15439	0.5000	0.4860	
44 2-Butanone (MEK)	43	9.022	9.016	0.006	94	49716	2.50	2.68	
45 2,2-Dichloropropane	77	9.028	9.034	-0.006	53	8657	0.5000	0.5656	
43 cis-1,2-Dichloroethene	96	9.059	9.053	0.006	88	8136	0.5000	0.5313	
50 Chlorobromomethane	128	9.387	9.381	0.006	75	3997	0.5000	0.5792	
51 Tetrahydrofuran	42	9.387	9.399	-0.012	66	13753	1.00	1.04	
49 Chloroform	83	9.418	9.412	0.006	64	11192	0.5000	0.5204	
52 1,1,1-Trichloroethane	97	9.643	9.655	-0.012	35	10759	0.5000	0.5355	
54 Cyclohexane	56	9.685	9.691	-0.006	81	23404	0.5000	0.5236	
56 1,1-Dichloropropene	75	9.838	9.825	0.013	63	7043	0.5000	0.4223	
55 Carbon tetrachloride	117	9.844	9.843	0.001	37	7517	0.5000	0.4261	
53 Isobutyl alcohol	43	9.850	9.843	0.007	83	15586	12.5	8.05	
57 Benzene	78	10.117	10.123	-0.006	39	25148	0.5000	0.5108	
60 1,2-Dichloroethane	62	10.178	10.184	-0.006	78	14322	0.5000	0.5275	
59 n-Heptane	43	10.178	10.184	-0.006	88	22444	0.5000	0.6580	
62 Trichloroethene	95	10.872	10.878	-0.006	90	6323	0.5000	0.4778	
64 Methylcyclohexane	83	11.085	11.078	0.007	83	8125	0.5000	0.4609	
63 1,2-Dichloropropane	63	11.225	11.224	0.001	89	11195	0.5000	0.6118	
68 1,4-Dioxane	88	11.334	11.340	-0.006	1	573	10.0	4.99	M
69 Dibromomethane	93	11.425	11.425	0.000	58	4650	0.5000	0.5273	
70 Dichlorobromomethane	83	11.565	11.559	0.006	42	9489	0.5000	0.5641	
71 2-Chloroethyl vinyl ether	63	11.815	11.808	0.007	39	6947	0.5000	0.5469	
73 cis-1,3-Dichloropropene	75	12.082	12.088	-0.006	66	9508	0.5000	0.4593	
75 4-Methyl-2-pentanone (MIBK)	43	12.198	12.192	0.006	94	95226	2.50	2.54	
76 Toluene	92	12.514	12.514	0.000	93	17936	0.5000	0.5459	
77 Ethyl methacrylate	69	12.739	12.733	0.006	79	8560	0.5000	0.5056	
78 trans-1,3-Dichloropropene	75	12.812	12.806	0.006	86	10467	0.5000	0.5357	
79 1,1,2-Trichloroethane	83	13.080	13.092	-0.012	28	5378	0.5000	0.5301	
80 Tetrachloroethene	166	13.256	13.238	0.018	24	8191	0.5000	0.5915	
83 2-Hexanone	43	13.287	13.281	0.006	94	61836	2.50	2.27	
82 1,3-Dichloropropane	76	13.323	13.329	-0.006	77	8667	0.5000	0.4356	
81 Chlorodibromomethane	129	13.664	13.664	0.000	1	6491	0.5000	0.4496	
85 Ethylene Dibromide	107	13.859	13.865	-0.006	84	7410	0.5000	0.5730	
87 Chlorobenzene	112	14.425	14.418	0.007	90	19666	0.5000	0.5086	
89 Ethylbenzene	91	14.461	14.467	-0.006	91	29568	0.5000	0.4883	
88 1,1,1,2-Tetrachloroethane	131	14.504	14.504	0.000	84	7597	0.5000	0.5609	
90 m-Xylene & p-Xylene	106	14.601	14.601	0.000	0	11913	0.5000	0.5018	
93 o-Xylene	106	15.155	15.148	0.007	94	11291	0.5000	0.4805	
94 Styrene	104	15.173	15.173	0.000	89	18806	0.5000	0.4649	
92 Bromoform	173	15.568	15.568	0.000	45	4139	0.5000	0.4040	
95 Isopropylbenzene	105	15.574	15.580	-0.006	95	28540	0.5000	0.4976	
97 1,1,2,2-Tetrachloroethane	83	16.049	16.049	0.000	32	7604	0.5000	0.4682	
98 trans-1,4-Dichloro-2-buten	53	16.098	16.097	0.001	44	4925	0.5000	0.4172	
99 N-Propylbenzene	91	16.098	16.103	-0.005	96	38596	0.5000	0.5561	
100 Bromobenzene	156	16.122	16.128	-0.006	74	9073	0.5000	0.5081	
101 1,2,3-Trichloropropane	110	16.146	16.140	0.006	36	2859	0.5000	0.5422	
102 1,3,5-Trimethylbenzene	105	16.292	16.292	0.000	89	24799	0.5000	0.5077	
103 2-Chlorotoluene	126	16.317	16.310	0.007	82	9349	0.5000	0.6261	
105 4-Chlorotoluene	126	16.432	16.438	-0.006	95	6468	0.5000	0.4121	
106 tert-Butylbenzene	134	16.730	16.736	-0.006	94	6070	0.5000	0.5847	
107 1,2,4-Trimethylbenzene	105	16.791	16.797	-0.006	96	24914	0.5000	0.4849	

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	16.998	16.998	0.000	95	30271	0.5000	0.5204	
112 4-Isopropyltoluene	119	17.144	17.144	0.000	93	22144	0.5000	0.4226	
110 1,3-Dichlorobenzene	146	17.266	17.265	0.001	96	14815	0.5000	0.4731	
111 1,4-Dichlorobenzene	146	17.375	17.369	0.006	16	17831	0.5000	0.5551	
115 n-Butylbenzene	91	17.655	17.661	-0.006	96	23895	0.5000	0.5310	
116 1,2-Dichlorobenzene	146	17.868	17.868	0.000	91	15404	0.5000	0.4998	
117 1,2-Dibromo-3-Chloropropan	75	18.902	18.914	-0.012	1	3382	0.5000	0.5167	
119 1,2,4-Trichlorobenzene	180	20.021	20.021	0.000	38	9785	0.5000	0.4562	
120 Hexachlorobutadiene	225	20.143	20.143	0.000	4	4018	0.5000	0.5337	
121 Naphthalene	128	20.466	20.472	-0.006	66	28915	0.5000	0.4731	
122 1,2,3-Trichlorobenzene	180	20.837	20.849	-0.012	52	10384	0.5000	0.5059	
S 123 1,2-Dichloroethene, Total	1				0			1.24	
S 124 1,3-Dichloropropene, Total	1				0			1.00	
S 125 Total BTEX	1				0			2.53	
S 126 Xylenes, Total	1				0			0.9823	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00116

Amount Added: 0.50

Units: uL

GAS CORP mix_00253

Amount Added: 0.50

Units: uL

P 8260 IS_00247

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00242

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94698P.D

Injection Date: 05-Dec-2017 13:31:30

Instrument ID: HP5973P

Operator ID: RF/RB

Lims ID: IC

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

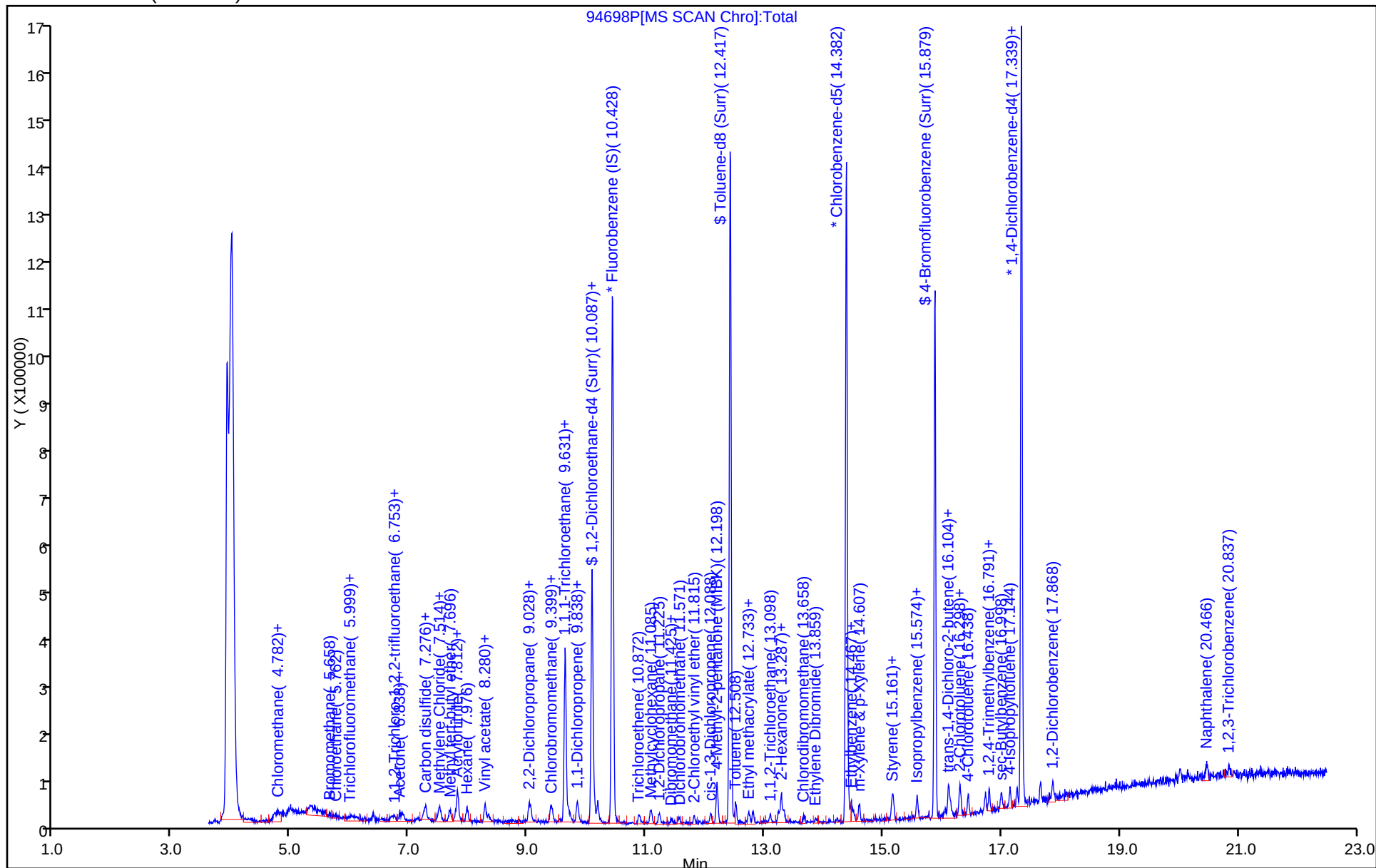
Dil. Factor: 1.0000

ALS Bottle#: 100

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94698P.D

Injection Date: 05-Dec-2017 13:31:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: RF/RB

ALS Bottle#:

100

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

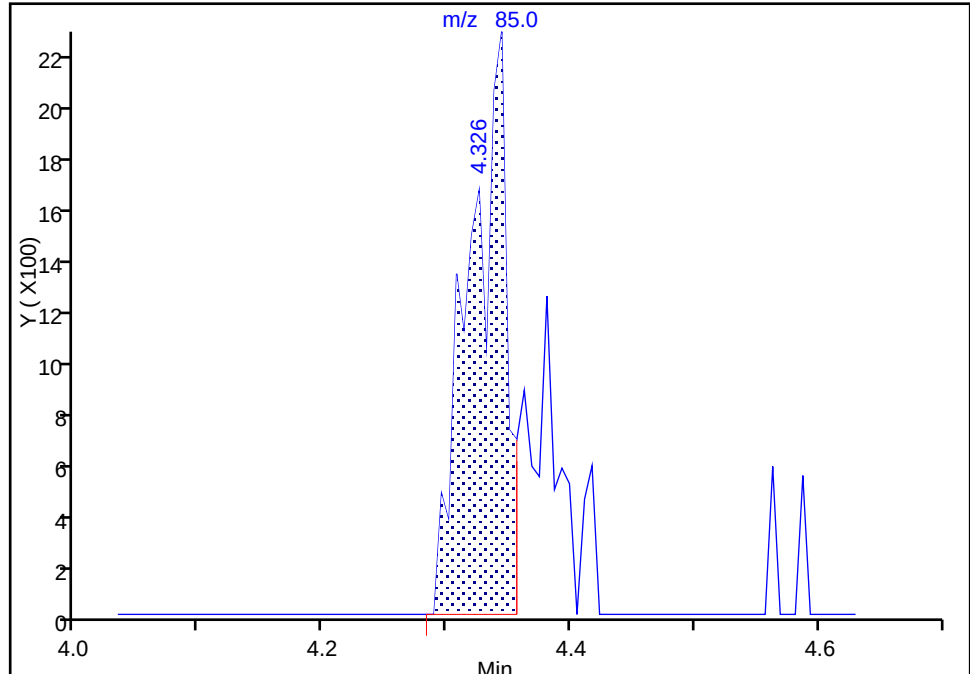
MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

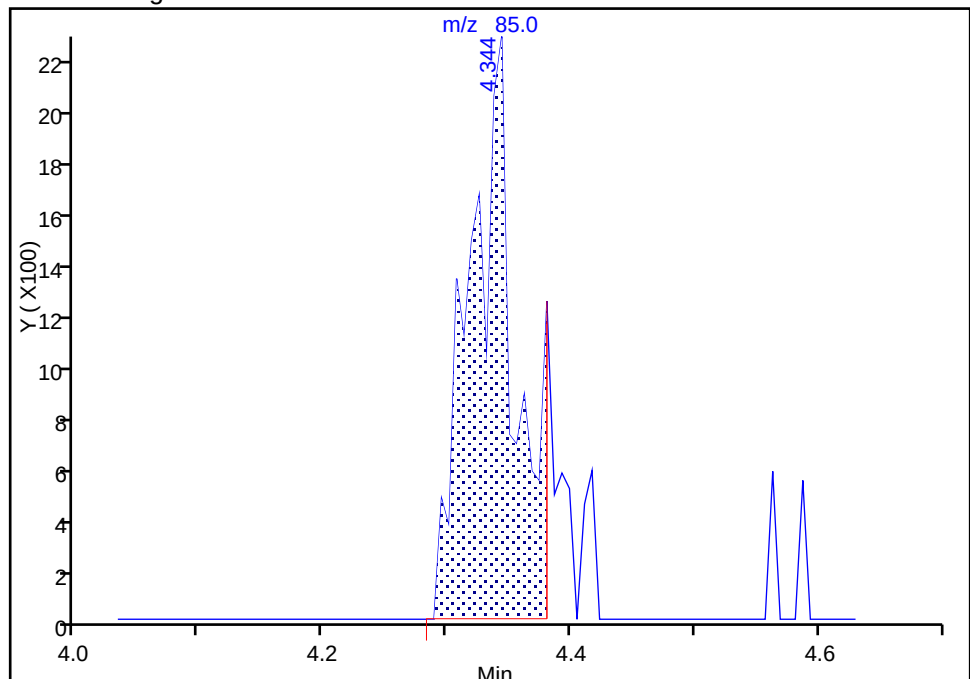
RT: 4.33
Area: 4829
Amount: 0.331493
Amount Units: ug/L

Processing Integration Results



RT: 4.34
Area: 6008
Amount: 0.422489
Amount Units: ug/L

Manual Integration Results



Reviewer: baroner, 06-Dec-2017 08:53:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94698P.D

Injection Date: 05-Dec-2017 13:31:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: RF/RB

ALS Bottle#:

100

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

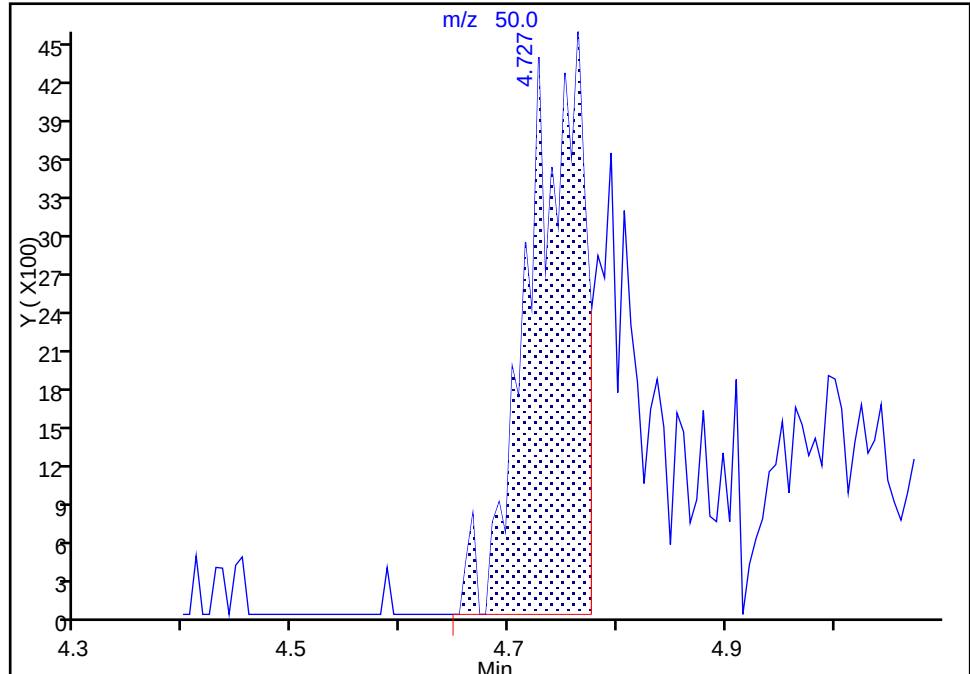
MS SCAN

11 Chloromethane, CAS: 74-87-3

Signal: 1

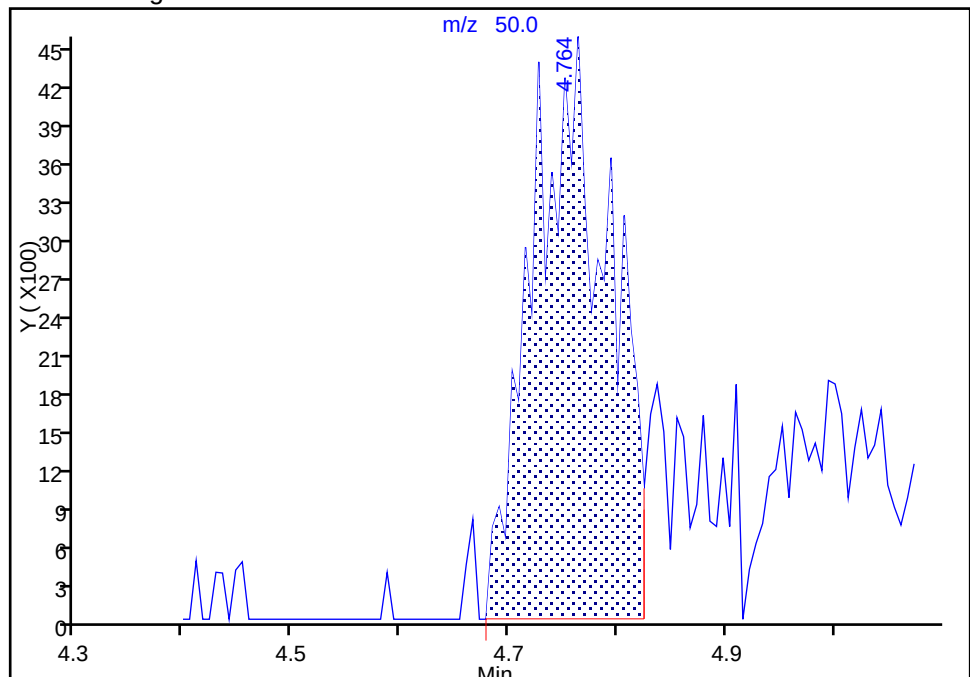
RT: 4.73
Area: 15782
Amount: 0.381319
Amount Units: ug/L

Processing Integration Results



RT: 4.76
Area: 22203
Amount: 0.513691
Amount Units: ug/L

Manual Integration Results



Reviewer: baroner, 06-Dec-2017 08:54:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94698P.D

Injection Date: 05-Dec-2017 13:31:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: RF/RB

ALS Bottle#:

100

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

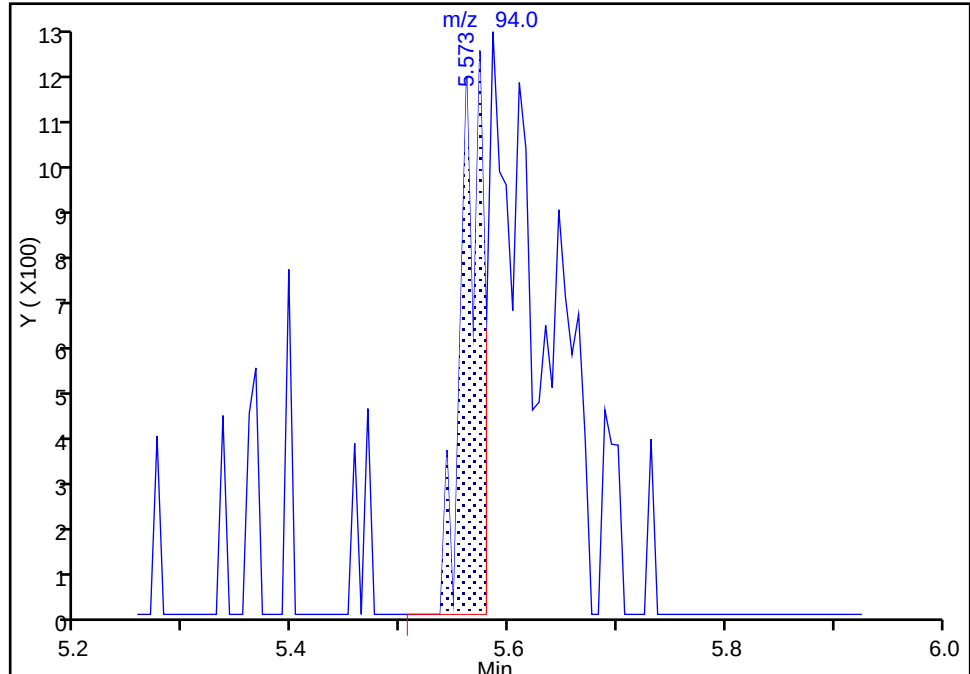
MS SCAN

12 Bromomethane, CAS: 74-83-9

Signal: 1

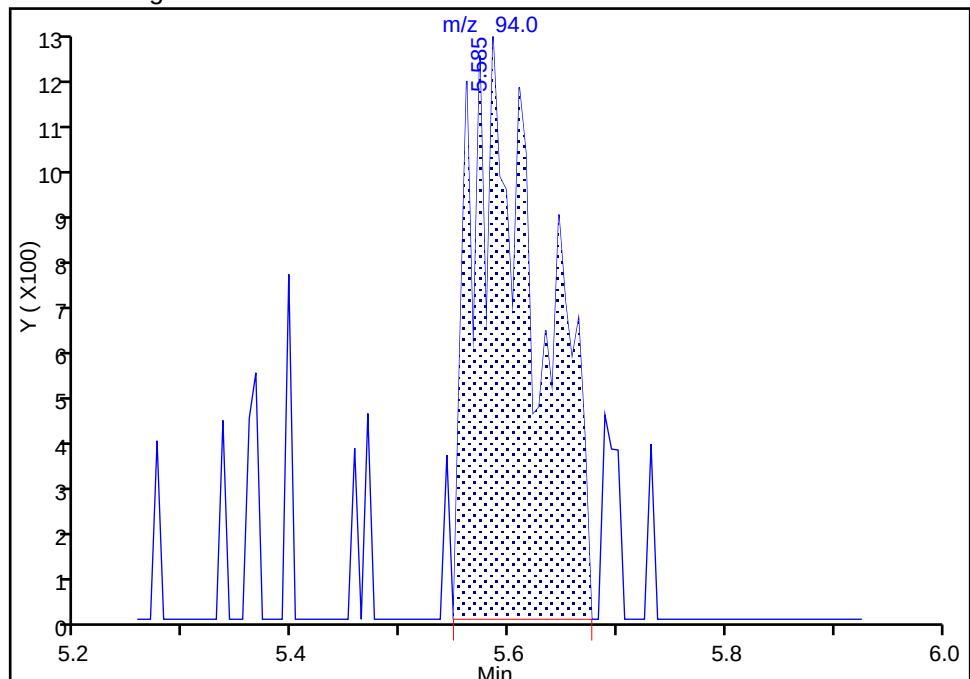
RT: 5.57
Area: 1655
Amount: 0.171153
Amount Units: ug/L

Processing Integration Results



RT: 5.59
Area: 5587
Amount: 0.560184
Amount Units: ug/L

Manual Integration Results



Reviewer: baroner, 06-Dec-2017 08:57:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94698P.D

Injection Date: 05-Dec-2017 13:31:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: RF/RB

ALS Bottle#: 100 Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

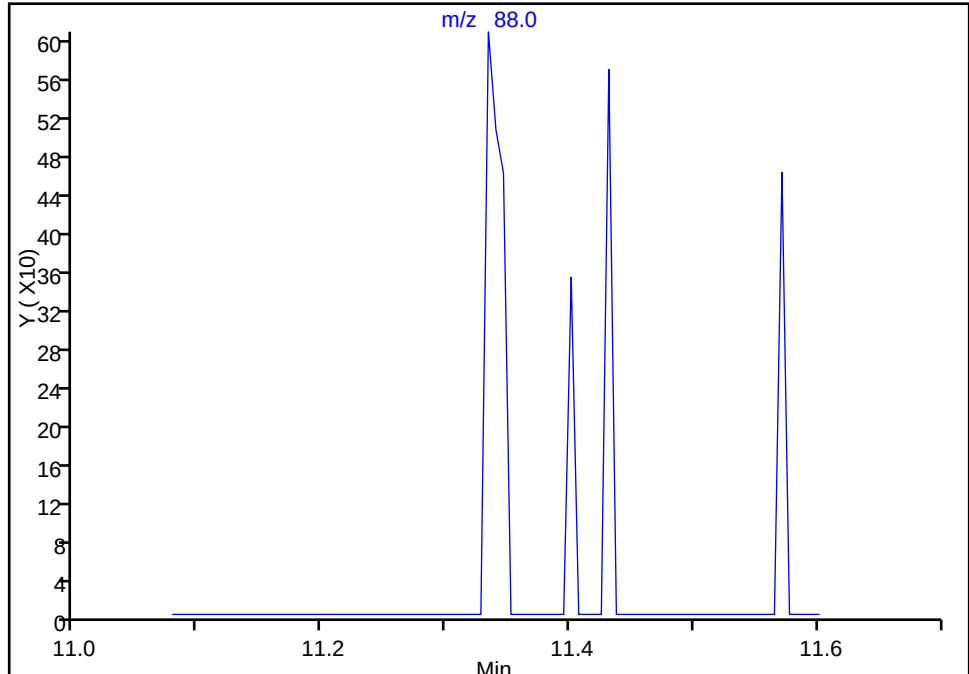
68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

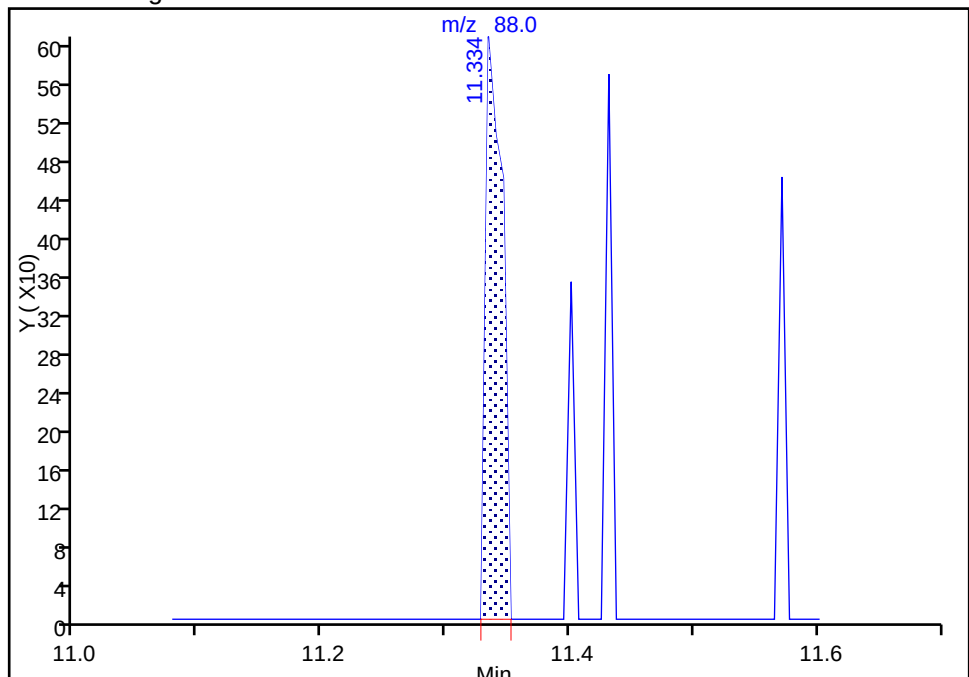
Not Detected

Expected RT: 11.34

Processing Integration Results



Manual Integration Results



RT: 11.33

Area: 573

Amount: 4.994446

Amount Units: ug/L

Reviewer: baroner, 06-Dec-2017 08:59:18

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20171205-67727.b\\94698P.D

Injection Date: 05-Dec-2017 13:31:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: RF/RB

ALS Bottle#: 100

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

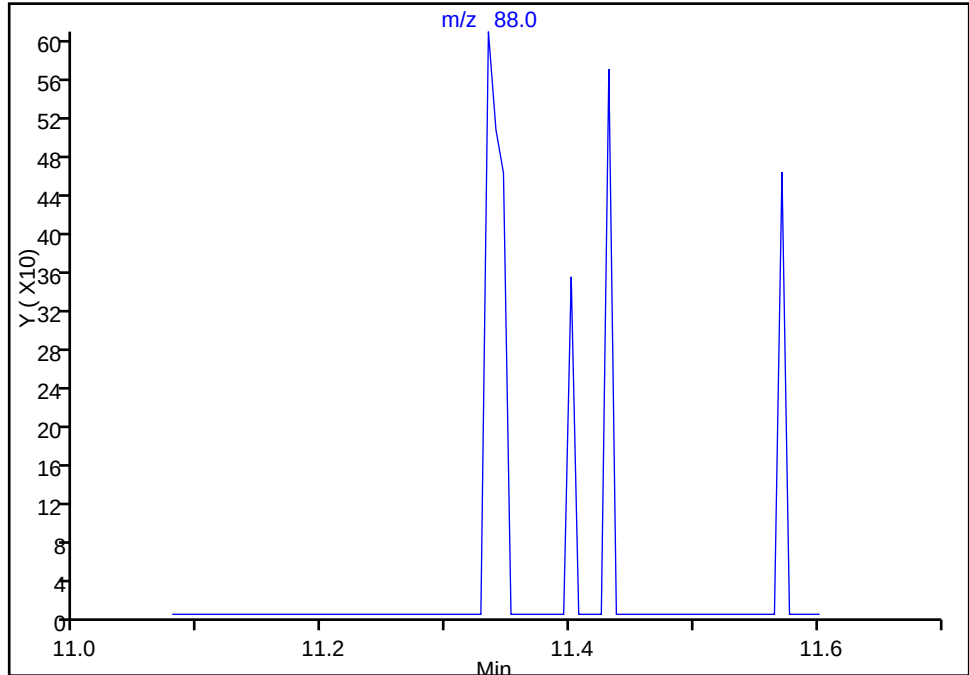
68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

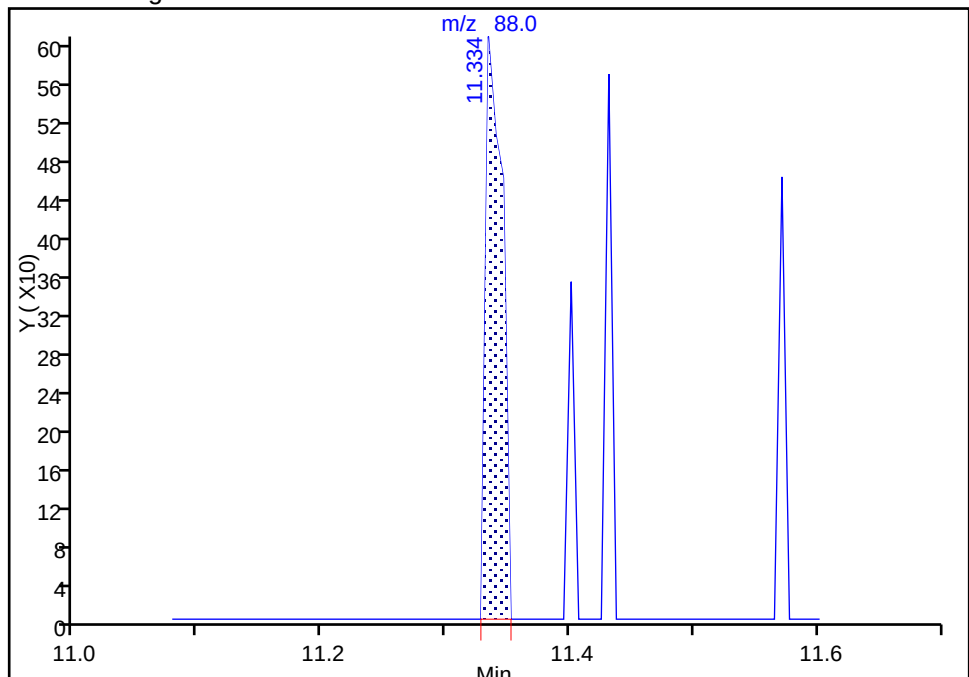
Not Detected

Expected RT: 11.34

Processing Integration Results



Manual Integration Results



RT: 11.33

Area: 573

Amount: 4.994446

Amount Units: ug/L

Reviewer: baroner, 06-Dec-2017 08:59:22

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94698P.D

Injection Date: 05-Dec-2017 13:31:30

Instrument ID: HP5973P

Lims ID: IC

Client ID:

Operator ID: RF/RB

ALS Bottle#: 100

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

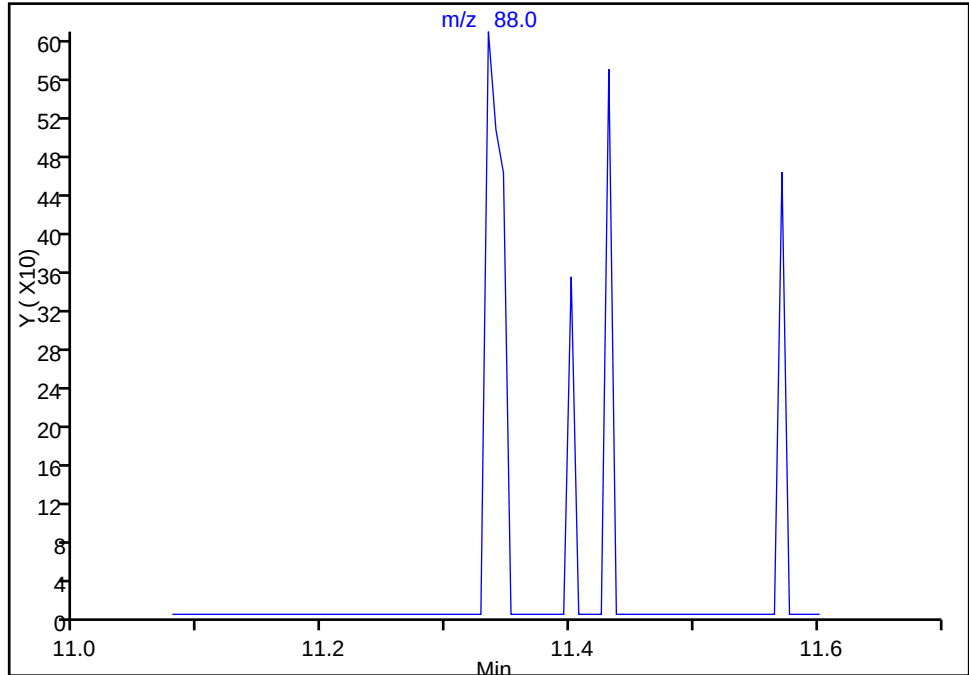
68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

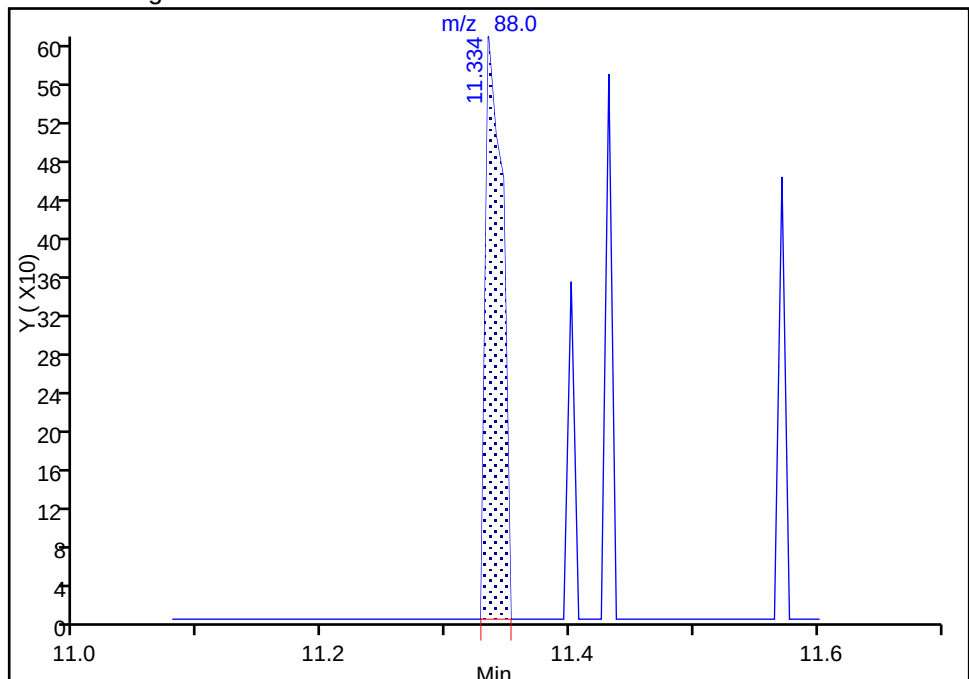
Not Detected

Expected RT: 11.34

Processing Integration Results



Manual Integration Results



RT: 11.33

Area: 573

Amount: 4.994446

Amount Units: ug/L

Reviewer: baroner, 06-Dec-2017 08:59:50

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94699P.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 05-Dec-2017 13:59:30 ALS Bottle#: 100 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic 2
 Misc. Info.: 480-0067727-008
 Operator ID: RF/RB Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 06-Dec-2017 12:17:44 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: baroner

Date: 06-Dec-2017 09:06:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.428	10.427	0.001	96	196264	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.382	14.382	0.000	92	422556	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.339	17.338	0.001	94	473847	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.631	9.631	0.000	92	268794	25.0	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.087	10.081	0.006	0	177884	25.0	25.3	
\$ 5 Toluene-d8 (Surr)	98	12.423	12.417	0.006	94	987387	25.0	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	15.878	15.878	0.000	90	347873	25.0	24.9	
10 Dichlorodifluoromethane	85	4.320	4.332	-0.012	41	12555	1.00	0.8780	
11 Chloromethane	50	4.727	4.752	-0.025	65	37422	1.00	0.8610	
17 Vinyl chloride	62	4.952	4.952	0.000	31	16752	1.00	0.8728	
144 Butadiene	54	5.001	5.013	-0.012	87	21609	1.00	0.9337	
12 Bromomethane	94	5.573	5.591	-0.018	53	10198	1.00	1.02	M
13 Chloroethane	64	5.719	5.713	0.006	60	7549	1.00	0.7288	
19 Dichlorofluoromethane	67	6.017	6.029	-0.012	47	26856	1.00	1.00	
14 Trichlorofluoromethane	101	6.072	6.078	-0.006	61	20049	1.00	0.9217	
20 Ethyl ether	59	6.394	6.388	0.006	83	19348	1.00	0.99	
22 Acrolein	56	6.692	6.698	-0.006	77	16057	5.00	4.56	
16 1,1,2-Trichloro-1,2,2-trif	101	6.735	6.747	-0.012	43	12525	1.00	0.9800	
25 1,1-Dichloroethene	96	6.832	6.832	0.000	87	8433	1.00	0.8581	
24 Acetone	43	6.893	6.887	0.006	96	68357	5.00	5.79	
18 Iodomethane	142	7.136	7.136	0.000	79	12369	1.00	0.6247	
30 Methyl acetate	43	7.252	7.252	0.000	98	61463	2.00	2.07	
27 Carbon disulfide	76	7.252	7.258	-0.006	43	47430	1.00	0.9595	
28 3-Chloro-1-propene	41	7.270	7.276	-0.006	86	56353	1.00	1.03	
33 2-Methyl-2-propanol	59	7.507	7.495	0.012	69	30619	10.0	10.0	
31 Methylene Chloride	84	7.520	7.513	0.007	83	19709	1.00	1.30	
32 Methyl tert-butyl ether	73	7.690	7.684	0.006	79	37847	1.00	0.9833	
35 trans-1,2-Dichloroethene	96	7.775	7.781	-0.006	77	12496	1.00	0.9591	
34 Acrylonitrile	53	7.812	7.812	0.000	99	140688	10.0	10.7	
36 Hexane	57	7.976	7.976	0.000	89	28116	1.00	0.9193	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	8.274	8.274	0.000	96	144862	2.00	1.94	
40 1,1-Dichloroethane	63	8.329	8.335	-0.006	96	31722	1.00	0.99	
44 2-Butanone (MEK)	43	9.022	9.016	0.006	93	95453	5.00	5.13	
45 2,2-Dichloropropane	77	9.028	9.034	-0.006	47	14558	1.00	0.9459	
43 cis-1,2-Dichloroethene	96	9.041	9.053	-0.012	86	17671	1.00	1.15	
50 Chlorobromomethane	128	9.381	9.381	0.000	78	7002	1.00	1.01	
51 Tetrahydrofuran	42	9.393	9.399	-0.006	84	30449	2.00	2.30	
49 Chloroform	83	9.418	9.412	0.006	90	21703	1.00	1.00	
52 1,1,1-Trichloroethane	97	9.661	9.655	0.006	31	19651	1.00	0.9727	
54 Cyclohexane	56	9.698	9.691	0.007	86	41190	1.00	0.9164	
56 1,1-Dichloropropene	75	9.831	9.825	0.006	68	14907	1.00	0.8888	
53 Isobutyl alcohol	43	9.844	9.843	0.001	97	50545	25.0	25.9	
55 Carbon tetrachloride	117	9.844	9.843	0.001	52	16765	1.00	0.9452	
57 Benzene	78	10.123	10.123	0.000	87	49293	1.00	1.00	
59 n-Heptane	43	10.184	10.184	0.000	86	29516	1.00	0.8605	
60 1,2-Dichloroethane	62	10.178	10.184	-0.006	81	27171	1.00	1.00	
62 Trichloroethene	95	10.878	10.878	0.000	89	13265	1.00	1.00	
64 Methylcyclohexane	83	11.072	11.078	-0.006	84	16287	1.00	0.9188	
63 1,2-Dichloropropane	63	11.212	11.224	-0.012	78	16886	1.00	0.9177	
68 1,4-Dioxane	88	11.352	11.340	0.012	1	1758	20.0	15.4	M
69 Dibromomethane	93	11.431	11.425	0.006	95	9351	1.00	1.05	
70 Dichlorobromomethane	83	11.559	11.559	0.000	85	15813	1.00	0.9348	
71 2-Chloroethyl vinyl ether	63	11.809	11.808	0.001	77	11981	1.00	0.9380	
73 cis-1,3-Dichloropropene	75	12.082	12.088	-0.006	72	21054	1.00	1.01	
75 4-Methyl-2-pentanone (MIBK)	43	12.198	12.192	0.006	97	187595	5.00	5.02	
76 Toluene	92	12.514	12.514	0.000	96	32107	1.00	0.9824	
77 Ethyl methacrylate	69	12.733	12.733	0.000	79	16716	1.00	0.99	
78 trans-1,3-Dichloropropene	75	12.806	12.806	0.000	79	18904	1.00	0.9728	
79 1,1,2-Trichloroethane	83	13.092	13.092	0.000	89	11863	1.00	1.18	
80 Tetrachloroethene	166	13.238	13.238	0.000	71	12481	1.00	0.9062	
83 2-Hexanone	43	13.281	13.281	0.000	94	136108	5.00	5.02	
82 1,3-Dichloropropane	76	13.329	13.329	0.000	91	19355	1.00	0.9780	
81 Chlorodibromomethane	129	13.670	13.664	0.006	95	14706	1.00	1.02	
85 Ethylene Dibromide	107	13.871	13.865	0.006	98	13712	1.00	1.07	
87 Chlorobenzene	112	14.424	14.418	0.006	95	38328	1.00	1.00	
89 Ethylbenzene	91	14.467	14.467	0.000	97	57812	1.00	0.9599	
88 1,1,1,2-Tetrachloroethane	131	14.504	14.504	0.000	68	12705	1.00	0.9431	
90 m-Xylene & p-Xylene	106	14.601	14.601	0.000	0	22216	1.00	0.9409	
93 o-Xylene	106	15.148	15.148	0.000	96	23053	1.00	0.9863	
94 Styrene	104	15.173	15.173	0.000	91	37857	1.00	0.9409	
92 Bromoform	173	15.556	15.568	-0.012	47	9686	1.00	0.9504	
95 Isopropylbenzene	105	15.574	15.580	-0.006	95	52804	1.00	0.9126	
97 1,1,2,2-Tetrachloroethane	83	16.049	16.049	0.000	93	16397	1.00	1.00	
98 trans-1,4-Dichloro-2-buten	53	16.097	16.097	0.000	43	12953	1.00	1.09	
99 N-Propylbenzene	91	16.104	16.103	0.001	98	66847	1.00	0.9547	
100 Bromobenzene	156	16.122	16.128	-0.006	78	18881	1.00	1.05	
101 1,2,3-Trichloropropane	110	16.152	16.140	0.012	81	6607	1.00	1.24	
102 1,3,5-Trimethylbenzene	105	16.292	16.292	0.000	94	45543	1.00	0.9242	
103 2-Chlorotoluene	126	16.304	16.310	-0.006	88	15001	1.00	1.00	
105 4-Chlorotoluene	126	16.438	16.438	0.000	96	16351	1.00	1.03	
106 tert-Butylbenzene	134	16.730	16.736	-0.006	94	9835	1.00	0.9390	
107 1,2,4-Trimethylbenzene	105	16.797	16.797	0.000	97	46579	1.00	0.8986	

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	16.998	16.998	0.000	95	53465	1.00	0.9110	
112 4-Isopropyltoluene	119	17.150	17.144	0.006	98	51159	1.00	0.9676	
110 1,3-Dichlorobenzene	146	17.259	17.265	-0.006	95	31090	1.00	0.9840	
111 1,4-Dichlorobenzene	146	17.369	17.369	0.000	90	32017	1.00	0.9879	
115 n-Butylbenzene	91	17.661	17.661	0.000	96	44729	1.00	0.9852	
116 1,2-Dichlorobenzene	146	17.862	17.868	-0.006	90	28516	1.00	0.9171	
117 1,2-Dibromo-3-Chloropropan	75	18.896	18.914	-0.018	25	5464	1.00	1.07	M
119 1,2,4-Trichlorobenzene	180	20.021	20.021	0.000	94	21201	1.00	0.9798	
120 Hexachlorobutadiene	225	20.131	20.143	-0.012	45	6506	1.00	0.8565	
121 Naphthalene	128	20.465	20.472	-0.007	96	58742	1.00	0.9527	
122 1,2,3-Trichlorobenzene	180	20.849	20.849	0.000	62	20275	1.00	0.9790	
S 125 Total BTEX	1				0			4.87	
S 126 Xylenes, Total	1				0			1.93	
S 123 1,2-Dichloroethene, Total	1				0			2.11	
S 124 1,3-Dichloropropene, Total	1				0			1.98	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00116

Amount Added: 1.00

Units: uL

GAS CORP mix_00253

Amount Added: 1.00

Units: uL

P 8260 IS_00247

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00242

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20171205-67727.b\\94699P.D

Injection Date: 05-Dec-2017 13:59:30

Instrument ID: HP5973P

Operator ID: RF/RB

Lims ID: IC 2

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

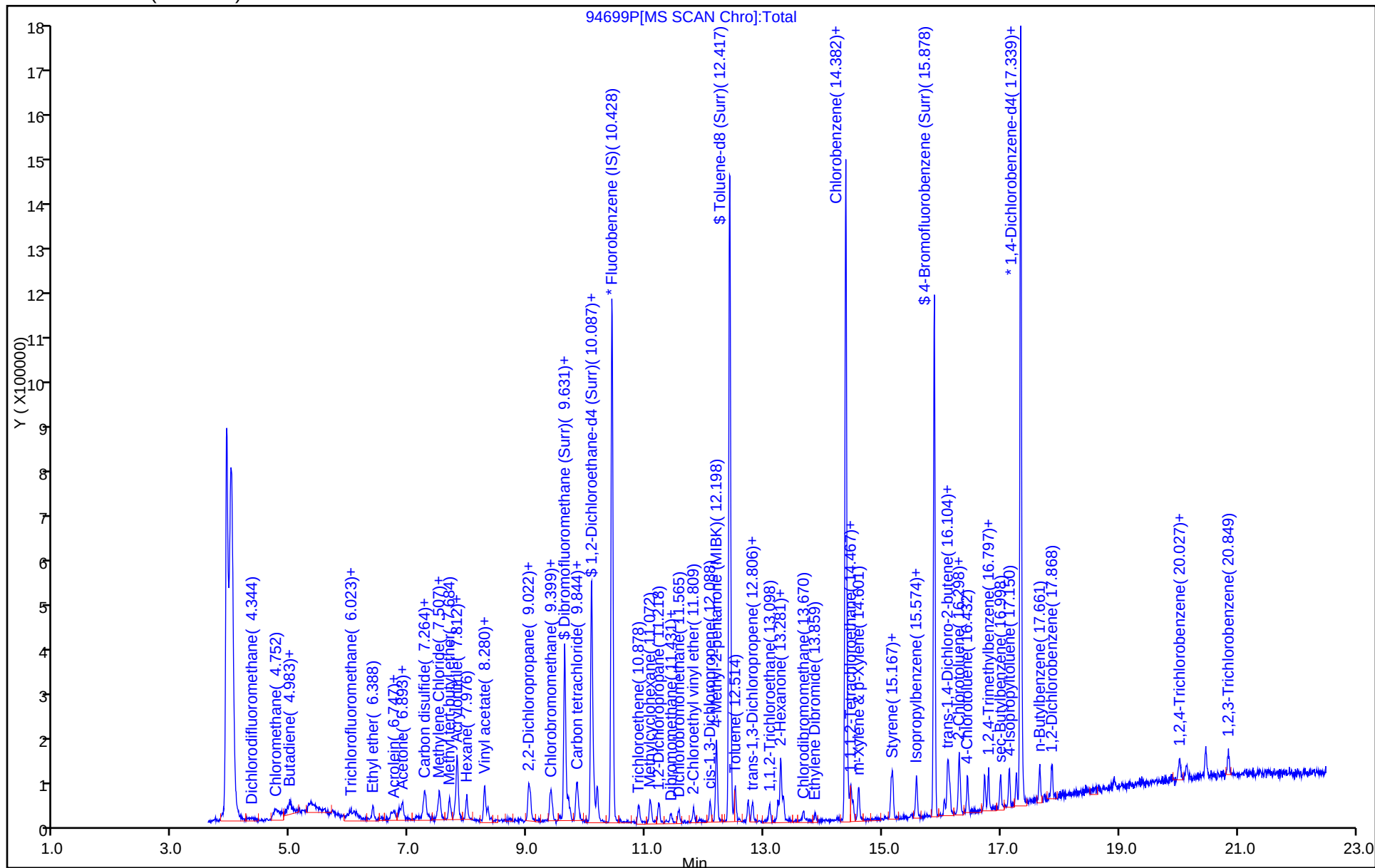
Dil. Factor: 1.0000

ALS Bottle#: 100

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94699P.D

Injection Date: 05-Dec-2017 13:59:30

Instrument ID: HP5973P

Lims ID: IC 2

Client ID:

Operator ID: RF/RB

ALS Bottle#:

100

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

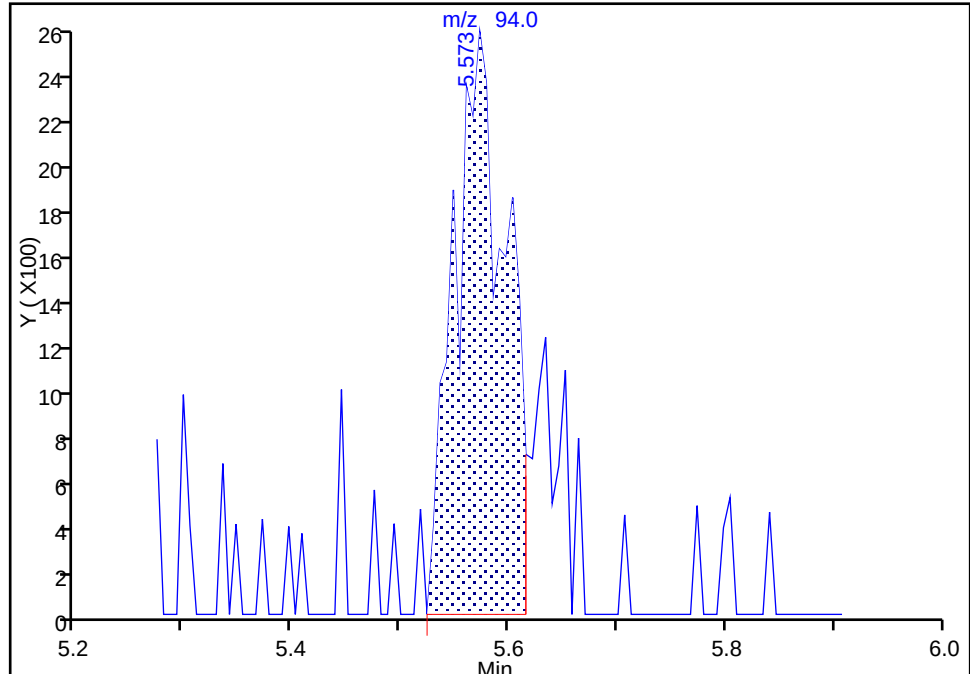
MS SCAN

12 Bromomethane, CAS: 74-83-9

Signal: 1

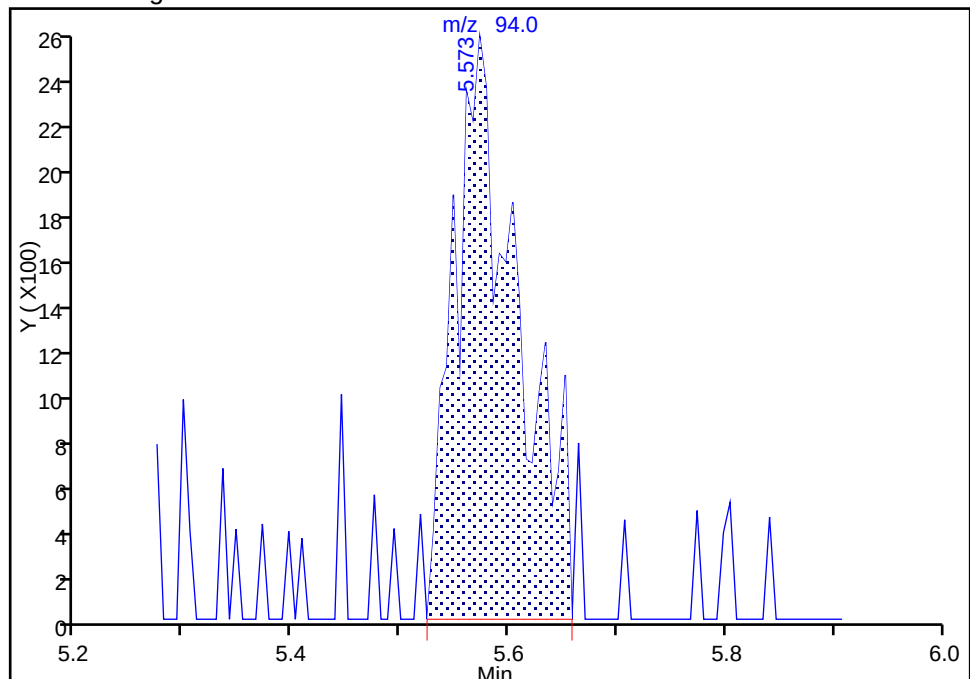
RT: 5.57
Area: 8365
Amount: 0.841601
Amount Units: ug/L

Processing Integration Results



RT: 5.57
Area: 10198
Amount: 1.016872
Amount Units: ug/L

Manual Integration Results



Reviewer: baroner, 06-Dec-2017 09:02:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94699P.D

Injection Date: 05-Dec-2017 13:59:30

Instrument ID: HP5973P

Lims ID: IC 2

Client ID:

Operator ID: RF/RB

ALS Bottle#:

100

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

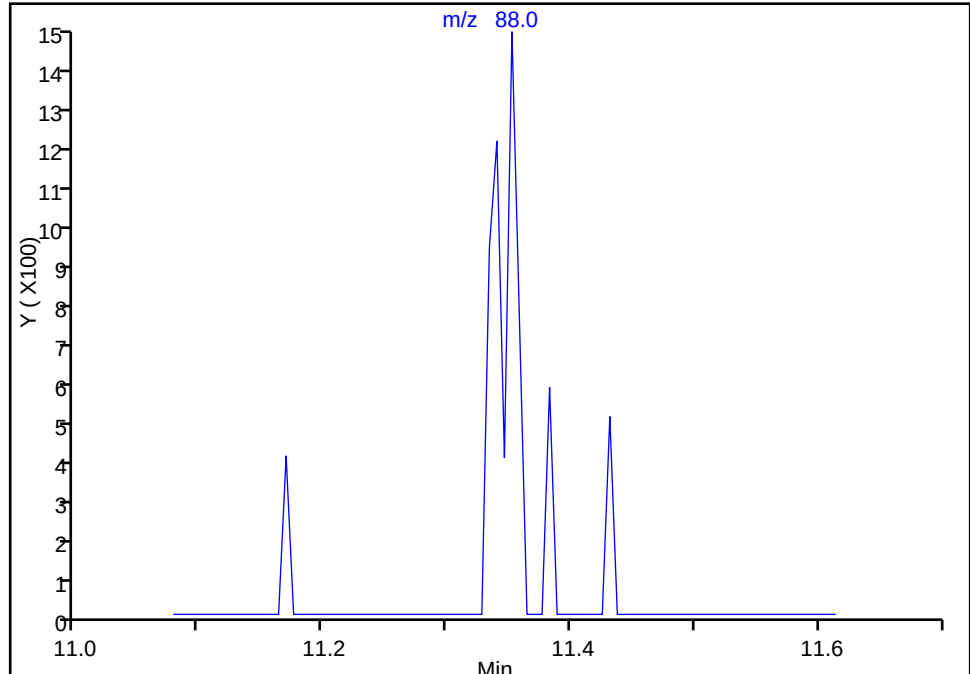
68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

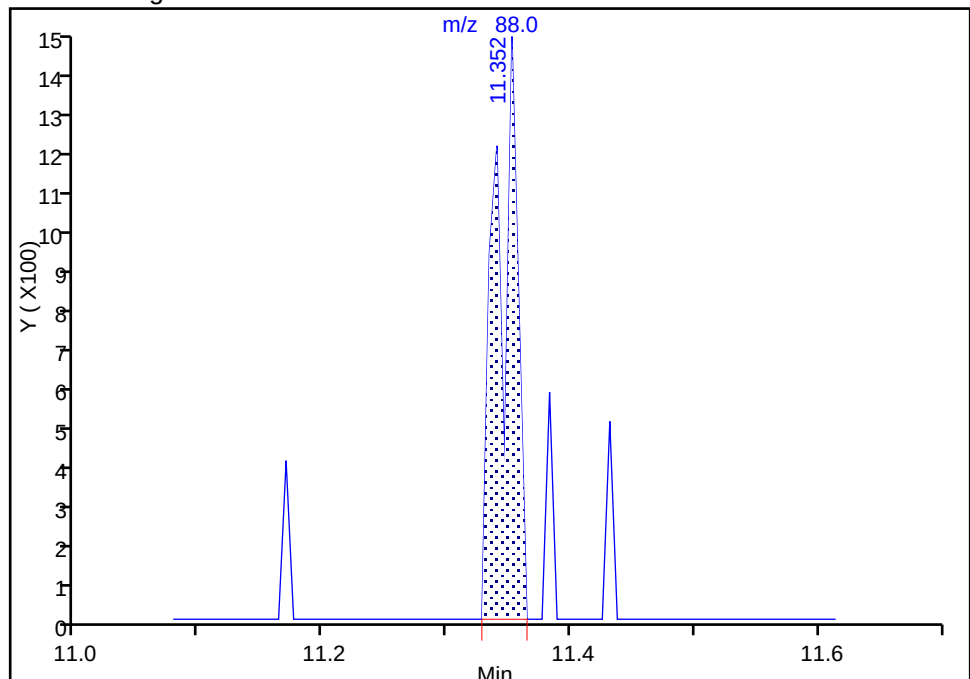
Not Detected

Expected RT: 11.34

Processing Integration Results



Manual Integration Results



RT: 11.35

Area: 1758

Amount: 15.405627

Amount Units: ug/L

Reviewer: baroner, 06-Dec-2017 09:03:46

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94699P.D

Injection Date: 05-Dec-2017 13:59:30

Instrument ID: HP5973P

Lims ID: IC 2

Client ID:

Operator ID: RF/RB

ALS Bottle#:

100

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

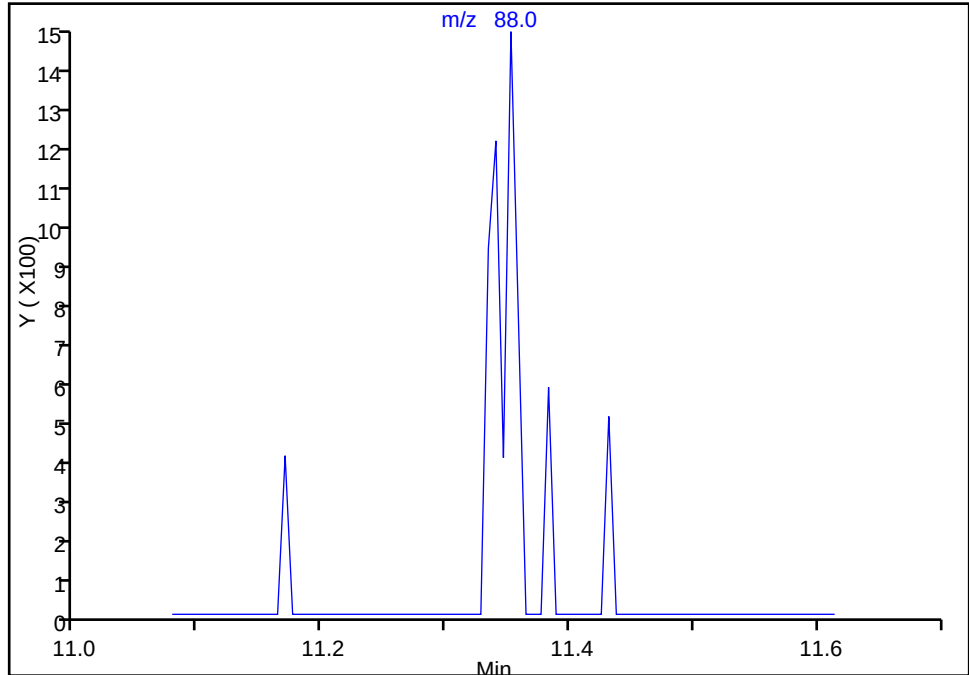
68 1,4-Dioxane, CAS: 123-91-1

Signal: 1

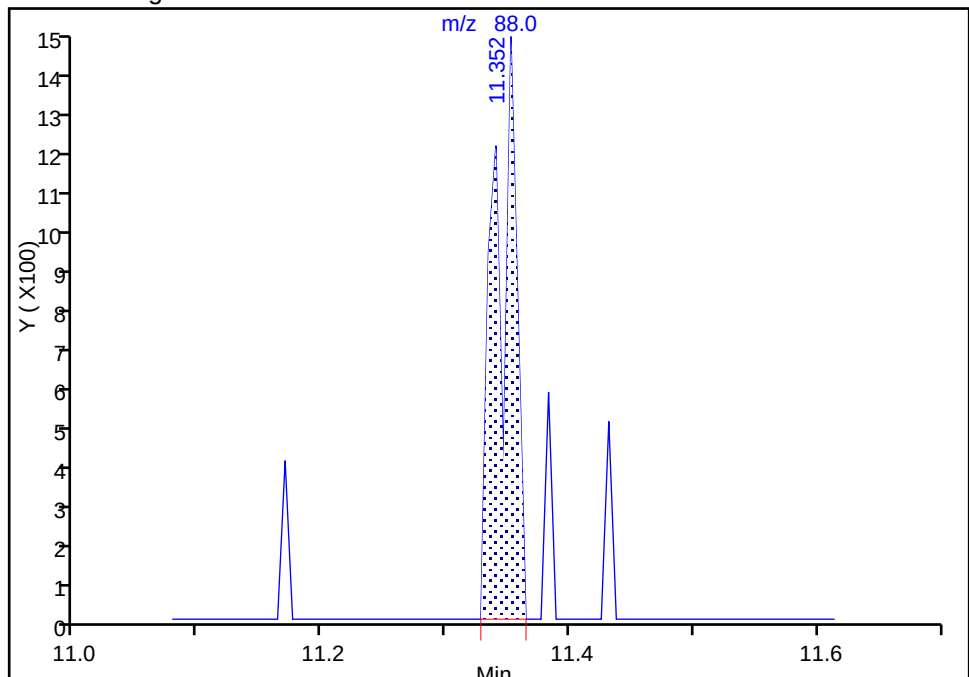
Not Detected

Expected RT: 11.34

Processing Integration Results



Manual Integration Results



RT: 11.35

Area: 1758

Amount: 15.405627

Amount Units: ug/L

Reviewer: baroner, 06-Dec-2017 09:03:55

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94699P.D

Injection Date: 05-Dec-2017 13:59:30

Instrument ID: HP5973P

Lims ID: IC 2

Client ID:

Operator ID: RF/RB

ALS Bottle#:

100

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

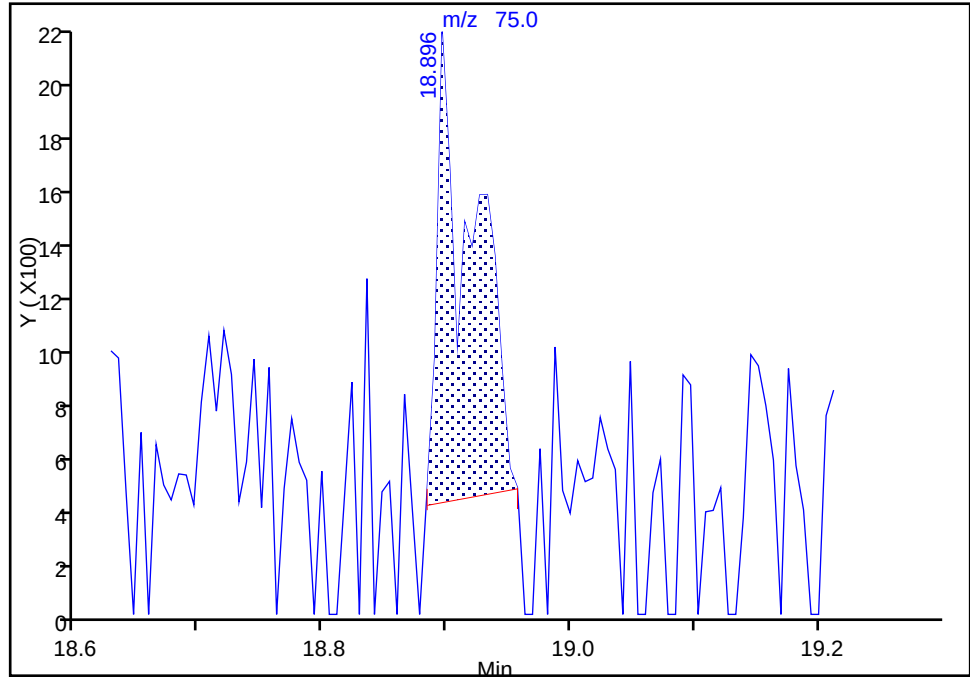
MS SCAN

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

Signal: 1

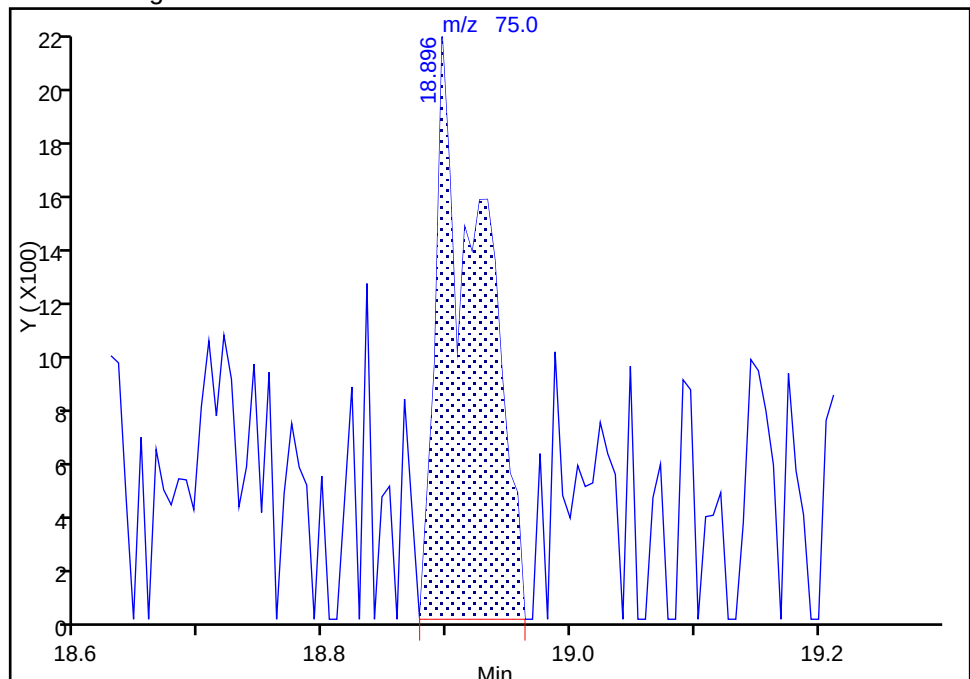
RT: 18.90
Area: 3452
Amount: 0.417915
Amount Units: ug/L

Processing Integration Results



RT: 18.90
Area: 5464
Amount: 1.069976
Amount Units: ug/L

Manual Integration Results



Reviewer: baroner, 06-Dec-2017 09:05:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94700P.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 05-Dec-2017 14:27:30 ALS Bottle#: 100 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic 3
 Misc. Info.: 480-0067727-009
 Operator ID: RF/RB Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 06-Dec-2017 12:17:47 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: baroner

Date: 06-Dec-2017 09:06:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.434	10.427	0.007	96	194813	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.382	14.382	0.000	92	427024	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.338	17.338	0.000	93	476615	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.631	9.631	0.000	93	262758	25.0	24.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.081	10.081	0.000	0	176262	25.0	25.3	
\$ 5 Toluene-d8 (Surr)	98	12.417	12.417	0.000	96	988196	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	15.878	15.878	0.000	92	351506	25.0	24.9	
10 Dichlorodifluoromethane	85	4.314	4.332	-0.018	97	68643	5.00	4.84	
11 Chloromethane	50	4.745	4.752	-0.007	99	200729	5.00	4.65	
17 Vinyl chloride	62	4.946	4.952	-0.006	78	92476	5.00	4.85	
144 Butadiene	54	4.989	5.013	-0.024	97	107794	5.00	4.69	M
12 Bromomethane	94	5.573	5.591	-0.018	88	50709	5.00	5.09	
13 Chloroethane	64	5.719	5.713	0.006	93	45698	5.00	4.44	
19 Dichlorofluoromethane	67	6.017	6.029	-0.012	95	131435	5.00	4.94	
14 Trichlorofluoromethane	101	6.066	6.078	-0.012	98	107488	5.00	4.98	
20 Ethyl ether	59	6.388	6.388	0.000	82	97079	5.00	5.01	
22 Acrolein	56	6.698	6.698	0.000	99	90884	25.0	26.0	
16 1,1,2-Trichloro-1,2,2-trif	101	6.741	6.747	-0.006	93	62006	5.00	4.89	
25 1,1-Dichloroethene	96	6.838	6.832	0.006	89	72608	5.00	5.79	
24 Acetone	43	6.887	6.887	0.000	96	309796	25.0	26.4	
18 Iodomethane	142	7.142	7.136	0.006	97	101025	5.00	5.14	
30 Methyl acetate	43	7.252	7.252	0.000	98	293916	10.0	9.97	
27 Carbon disulfide	76	7.258	7.258	0.000	54	251160	5.00	5.12	
28 3-Chloro-1-propene	41	7.276	7.276	0.000	88	264960	5.00	4.87	
33 2-Methyl-2-propanol	59	7.501	7.495	0.006	96	160519	50.0	53.0	
31 Methylene Chloride	84	7.507	7.513	-0.006	82	72467	5.00	4.80	
32 Methyl tert-butyl ether	73	7.690	7.684	0.006	82	189757	5.00	4.97	
35 trans-1,2-Dichloroethene	96	7.775	7.781	-0.006	87	68624	5.00	5.31	
34 Acrylonitrile	53	7.812	7.812	0.000	97	686897	50.0	52.6	
36 Hexane	57	7.976	7.976	0.000	90	146259	5.00	4.82	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	8.274	8.274	0.000	96	770566	10.0	10.4	
40 1,1-Dichloroethane	63	8.329	8.335	-0.006	96	157860	5.00	4.98	
44 2-Butanone (MEK)	43	9.016	9.016	0.000	94	476836	25.0	25.8	
45 2,2-Dichloropropane	77	9.034	9.034	0.000	51	75555	5.00	4.95	
43 cis-1,2-Dichloroethene	96	9.047	9.053	-0.006	90	77300	5.00	5.06	
50 Chlorobromomethane	128	9.375	9.381	-0.006	78	31311	5.00	4.55	
51 Tetrahydrofuran	42	9.393	9.399	-0.006	88	134407	10.0	10.2	
49 Chloroform	83	9.412	9.412	0.000	90	109742	5.00	5.11	
52 1,1,1-Trichloroethane	97	9.649	9.655	-0.006	55	98562	5.00	4.92	
54 Cyclohexane	56	9.697	9.691	0.006	91	216326	5.00	4.85	
56 1,1-Dichloropropene	75	9.825	9.825	0.000	72	85302	5.00	5.12	
55 Carbon tetrachloride	117	9.837	9.843	-0.006	51	83575	5.00	4.75	
53 Isobutyl alcohol	43	9.843	9.843	0.000	92	236070	125.0	122.1	
57 Benzene	78	10.123	10.123	0.000	91	249655	5.00	5.08	
60 1,2-Dichloroethane	62	10.184	10.184	0.000	82	135685	5.00	5.01	
59 n-Heptane	43	10.184	10.184	0.000	90	171958	5.00	5.05	
62 Trichloroethene	95	10.872	10.878	-0.006	92	64294	5.00	4.87	
64 Methylcyclohexane	83	11.078	11.078	0.000	86	84317	5.00	4.79	
63 1,2-Dichloropropane	63	11.218	11.224	-0.006	82	93943	5.00	5.14	
68 1,4-Dioxane	88	11.340	11.340	0.000	70	12605	100.0	109.3	
69 Dibromomethane	93	11.431	11.425	0.006	95	44491	5.00	5.05	
70 Dichlorobromomethane	83	11.553	11.559	-0.006	91	83373	5.00	4.97	
71 2-Chloroethyl vinyl ether	63	11.808	11.808	0.000	78	63578	5.00	5.01	
73 cis-1,3-Dichloropropene	75	12.088	12.088	0.000	73	101548	5.00	4.91	
75 4-Methyl-2-pentanone (MIBK)	43	12.192	12.192	0.000	95	997437	25.0	26.4	
76 Toluene	92	12.514	12.514	0.000	95	159699	5.00	4.84	
77 Ethyl methacrylate	69	12.727	12.733	-0.006	81	81678	5.00	4.80	
78 trans-1,3-Dichloropropene	75	12.806	12.806	0.000	83	96982	5.00	4.94	
79 1,1,2-Trichloroethane	83	13.098	13.092	0.006	90	48560	5.00	4.76	
80 Tetrachloroethene	166	13.232	13.238	-0.006	91	69192	5.00	4.97	
83 2-Hexanone	43	13.281	13.281	0.000	95	732678	25.0	26.7	
82 1,3-Dichloropropane	76	13.329	13.329	0.000	86	103689	5.00	5.18	
81 Chlorodibromomethane	129	13.664	13.664	0.000	88	71552	5.00	4.93	
85 Ethylene Dibromide	107	13.871	13.865	0.006	98	63917	5.00	4.92	
87 Chlorobenzene	112	14.418	14.418	0.000	97	193533	5.00	4.98	
89 Ethylbenzene	91	14.467	14.467	0.000	97	300525	5.00	4.94	
88 1,1,1,2-Tetrachloroethane	131	14.503	14.504	-0.001	92	68452	5.00	5.03	
90 m-Xylene & p-Xylene	106	14.601	14.601	0.000	0	114553	5.00	4.80	
93 o-Xylene	106	15.148	15.148	0.000	97	116109	5.00	4.92	
94 Styrene	104	15.179	15.173	0.006	89	195858	5.00	4.82	
92 Bromoform	173	15.562	15.568	-0.006	57	48571	5.00	4.72	
95 Isopropylbenzene	105	15.580	15.580	0.000	96	285037	5.00	4.90	
97 1,1,2,2-Tetrachloroethane	83	16.049	16.049	0.000	96	84219	5.00	5.11	
98 trans-1,4-Dichloro-2-buten	53	16.097	16.097	0.000	57	55330	5.00	4.62	
99 N-Propylbenzene	91	16.103	16.103	0.000	98	349847	5.00	4.97	
100 Bromobenzene	156	16.122	16.128	-0.006	80	89851	5.00	4.96	
101 1,2,3-Trichloropropane	110	16.140	16.140	0.000	84	26638	5.00	4.98	
102 1,3,5-Trimethylbenzene	105	16.292	16.292	0.000	95	236152	5.00	4.76	
103 2-Chlorotoluene	126	16.310	16.310	0.000	95	74483	5.00	4.92	
105 4-Chlorotoluene	126	16.438	16.438	0.000	97	76480	5.00	4.80	
106 tert-Butylbenzene	134	16.730	16.736	-0.006	97	49137	5.00	4.66	
107 1,2,4-Trimethylbenzene	105	16.791	16.797	-0.006	97	259915	5.00	4.99	

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	16.998	16.998	0.000	96	288778	5.00	4.89	
112 4-Isopropyltoluene	119	17.144	17.144	0.000	97	249436	5.00	4.69	
110 1,3-Dichlorobenzene	146	17.265	17.265	0.000	96	159562	5.00	5.02	
111 1,4-Dichlorobenzene	146	17.375	17.369	0.006	95	163037	5.00	5.00	
115 n-Butylbenzene	91	17.661	17.661	0.000	98	219472	5.00	4.81	
116 1,2-Dichlorobenzene	146	17.868	17.868	0.000	94	158741	5.00	5.08	
117 1,2-Dibromo-3-Chloropropan	75	18.908	18.914	-0.006	75	20475	5.00	5.09	
119 1,2,4-Trichlorobenzene	180	20.015	20.021	-0.006	94	102864	5.00	4.73	
120 Hexachlorobutadiene	225	20.143	20.143	0.000	94	36450	5.00	4.77	
121 Naphthalene	128	20.471	20.472	-0.001	96	307716	5.00	4.96	
122 1,2,3-Trichlorobenzene	180	20.849	20.849	0.000	95	101723	5.00	4.88	
S 123 1,2-Dichloroethene, Total	1				0			10.4	
S 124 1,3-Dichloropropene, Total	1				0			9.85	
S 125 Total BTEX	1				0			24.6	
S 126 Xylenes, Total	1				0			9.72	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00116

Amount Added: 5.00

Units: uL

GAS CORP mix_00253

Amount Added: 5.00

Units: uL

P 8260 IS_00247

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00242

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20171205-67727.b\\94700P.D

Injection Date: 05-Dec-2017 14:27:30

Instrument ID: HP5973P

Operator ID: RF/RB

Lims ID: IC 3

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

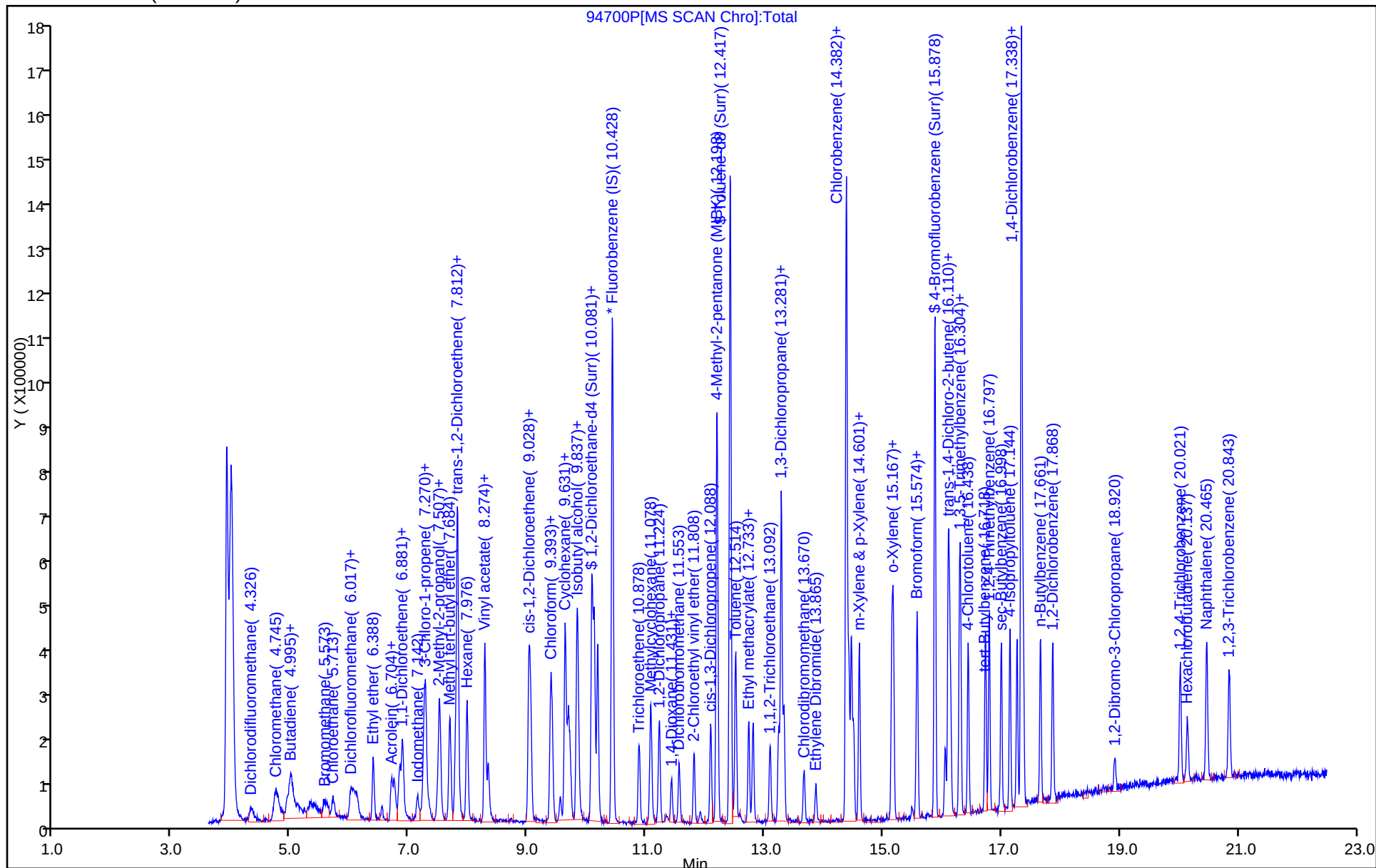
Dil. Factor: 1.0000

ALS Bottle#: 100

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94700P.D

Injection Date: 05-Dec-2017 14:27:30

Instrument ID: HP5973P

Lims ID: IC 3

Client ID:

Operator ID: RF/RB

ALS Bottle#: 100 Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

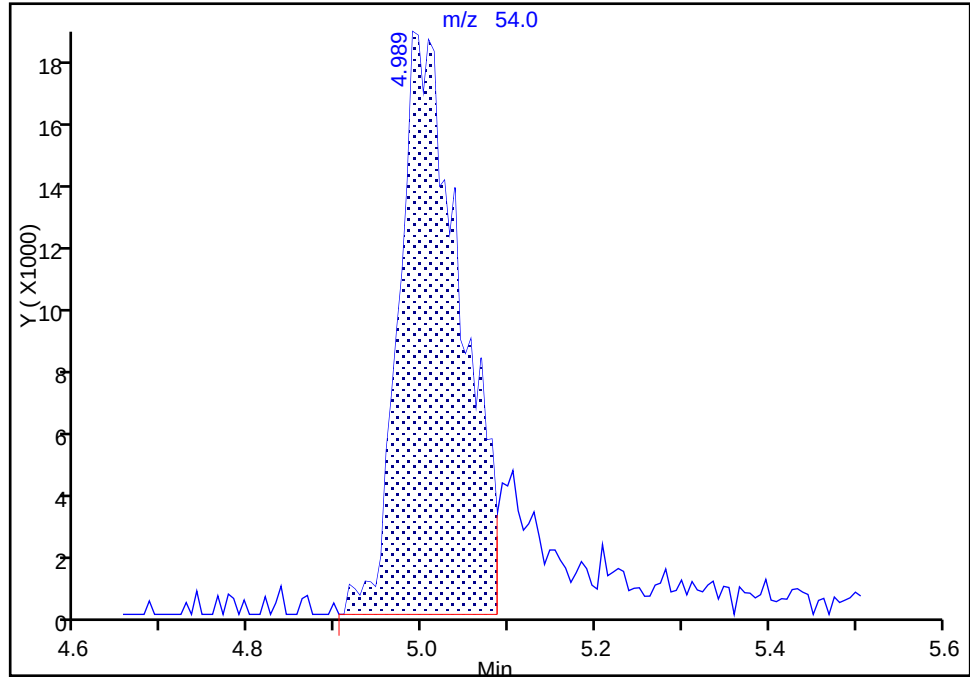
Detector: MS SCAN

144 Butadiene, CAS: 106-99-0

Signal: 1

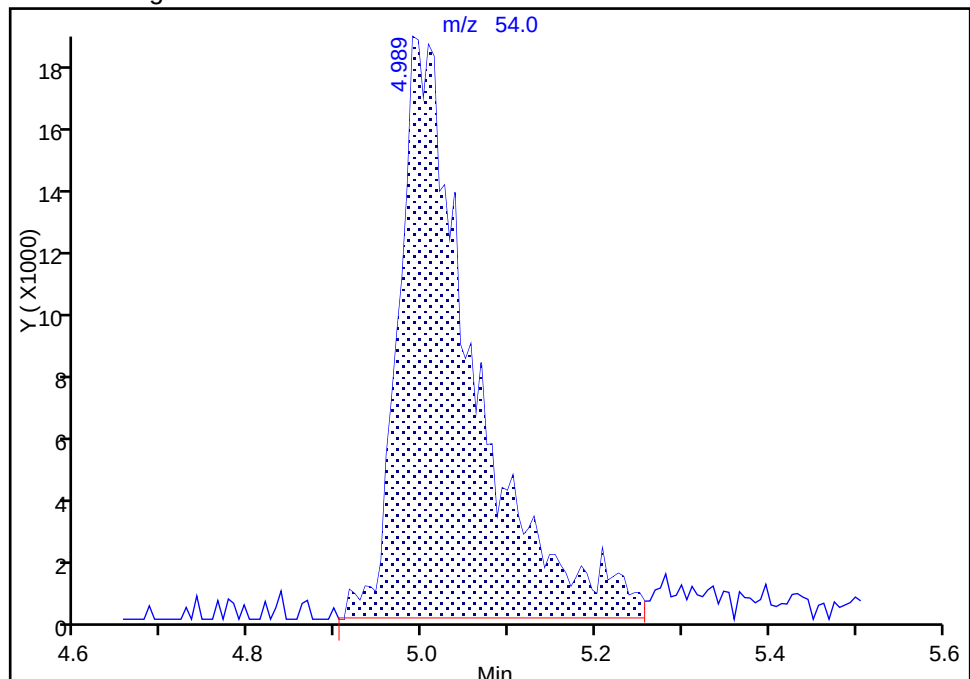
RT: 4.99
Area: 89349
Amount: 4.263033
Amount Units: ug/L

Processing Integration Results



RT: 4.99
Area: 107794
Amount: 4.692211
Amount Units: ug/L

Manual Integration Results



Reviewer: baroner, 06-Dec-2017 09:07:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94701P.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 05-Dec-2017 14:54:30 ALS Bottle#: 100 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic 4
 Misc. Info.: 480-0067727-010
 Operator ID: RF/RB Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 06-Dec-2017 12:17:51 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: baroner

Date: 06-Dec-2017 09:10:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.433	10.433	0.000	96	200842	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.382	14.382	0.000	91	428691	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.338	17.338	0.000	94	495456	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.630	9.630	0.000	92	279220	25.0	25.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.087	10.087	0.000	0	185582	25.0	25.8	
\$ 5 Toluene-d8 (Surr)	98	12.417	12.417	0.000	94	1017270	25.0	25.5	
\$ 6 4-Bromofluorobenzene (Surr	174	15.878	15.878	0.000	89	359107	25.0	25.4	
10 Dichlorodifluoromethane	85	4.332	4.332	0.000	97	153785	10.0	10.5	
11 Chloromethane	50	4.757	4.757	0.000	99	473557	10.0	10.6	
17 Vinyl chloride	62	4.952	4.952	0.000	97	210811	10.0	10.7	
144 Butadiene	54	5.025	5.025	0.000	96	235977	10.0	9.96	M
12 Bromomethane	94	5.579	5.579	0.000	89	107177	10.0	10.4	
13 Chloroethane	64	5.713	5.713	0.000	92	111584	10.0	10.5	
19 Dichlorofluoromethane	67	6.017	6.017	0.000	95	280341	10.0	10.2	
14 Trichlorofluoromethane	101	6.090	6.090	0.000	94	233623	10.0	10.5	
20 Ethyl ether	59	6.394	6.394	0.000	86	209744	10.0	10.5	
22 Acrolein	56	6.692	6.692	0.000	99	189887	50.0	52.7	
16 1,1,2-Trichloro-1,2,2-trif	101	6.747	6.747	0.000	93	132150	10.0	10.1	
25 1,1-Dichloroethene	96	6.838	6.838	0.000	88	128543	10.0	9.79	
24 Acetone	43	6.887	6.887	0.000	97	610824	50.0	50.5	
18 Iodomethane	142	7.142	7.142	0.000	99	236621	10.0	11.7	
30 Methyl acetate	43	7.258	7.258	0.000	98	616015	20.0	20.3	
27 Carbon disulfide	76	7.246	7.246	0.000	58	511657	10.0	10.1	
28 3-Chloro-1-propene	41	7.276	7.276	0.000	93	570071	10.0	10.2	
33 2-Methyl-2-propanol	59	7.501	7.501	0.000	96	297745	100.0	95.3	
31 Methylene Chloride	84	7.513	7.513	0.000	83	146193	10.0	9.39	
32 Methyl tert-butyl ether	73	7.684	7.684	0.000	83	409894	10.0	10.4	
35 trans-1,2-Dichloroethene	96	7.775	7.775	0.000	86	138978	10.0	10.4	
34 Acrylonitrile	53	7.811	7.811	0.000	98	1383112	100.0	102.7	
36 Hexane	57	7.976	7.976	0.000	92	322184	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	8.274	8.274	0.000	96	1614360	20.0	21.1	
40 1,1-Dichloroethane	63	8.335	8.335	0.000	96	335458	10.0	10.3	
44 2-Butanone (MEK)	43	9.016	9.016	0.000	94	984502	50.0	51.7	
45 2,2-Dichloropropane	77	9.034	9.034	0.000	75	169817	10.0	10.8	
43 cis-1,2-Dichloroethene	96	9.052	9.052	0.000	90	157579	10.0	10.0	
50 Chlorobromomethane	128	9.381	9.381	0.000	78	76489	10.0	10.8	
51 Tetrahydrofuran	42	9.399	9.399	0.000	89	266872	20.0	19.7	
49 Chloroform	83	9.411	9.411	0.000	89	223552	10.0	10.1	
52 1,1,1-Trichloroethane	97	9.655	9.655	0.000	94	214999	10.0	10.4	
54 Cyclohexane	56	9.691	9.691	0.000	92	461367	10.0	10.0	
56 1,1-Dichloropropene	75	9.825	9.825	0.000	77	182475	10.0	10.6	
53 Isobutyl alcohol	43	9.837	9.837	0.000	92	462256	250.0	231.9	
55 Carbon tetrachloride	117	9.843	9.843	0.000	53	186463	10.0	10.3	
57 Benzene	78	10.123	10.123	0.000	88	519817	10.0	10.3	
59 n-Heptane	43	10.178	10.178	0.000	91	360287	10.0	10.3	
60 1,2-Dichloroethane	62	10.178	10.178	0.000	83	293135	10.0	10.5	
62 Trichloroethene	95	10.878	10.878	0.000	93	142017	10.0	10.4	
64 Methylcyclohexane	83	11.078	11.078	0.000	87	185305	10.0	10.2	
63 1,2-Dichloropropane	63	11.224	11.224	0.000	84	196033	10.0	10.4	
68 1,4-Dioxane	88	11.346	11.346	0.000	77	20224	200.0	174.7	
69 Dibromomethane	93	11.431	11.431	0.000	96	93488	10.0	10.3	
70 Dichlorobromomethane	83	11.559	11.559	0.000	91	177616	10.0	10.3	
71 2-Chloroethyl vinyl ether	63	11.808	11.808	0.000	78	132185	10.0	10.1	
73 cis-1,3-Dichloropropene	75	12.094	12.094	0.000	75	214971	10.0	10.1	
75 4-Methyl-2-pentanone (MIBK)	43	12.198	12.198	0.000	95	2035432	50.0	53.7	
76 Toluene	92	12.514	12.514	0.000	96	347660	10.0	10.5	
77 Ethyl methacrylate	69	12.727	12.727	0.000	80	178983	10.0	10.5	
78 trans-1,3-Dichloropropene	75	12.806	12.806	0.000	81	201912	10.0	10.2	
79 1,1,2-Trichloroethane	83	13.092	13.092	0.000	90	100769	10.0	9.84	
80 Tetrachloroethene	166	13.238	13.238	0.000	96	155163	10.0	11.1	
83 2-Hexanone	43	13.281	13.281	0.000	96	1448659	50.0	52.7	
82 1,3-Dichloropropane	76	13.323	13.323	0.000	90	210285	10.0	10.5	
81 Chlorodibromomethane	129	13.670	13.670	0.000	86	147984	10.0	10.2	
85 Ethylene Dibromide	107	13.871	13.871	0.000	99	136352	10.0	10.4	
87 Chlorobenzene	112	14.424	14.424	0.000	95	401020	10.0	10.3	
89 Ethylbenzene	91	14.467	14.467	0.000	97	643673	10.0	10.5	
88 1,1,1,2-Tetrachloroethane	131	14.509	14.509	0.000	91	144857	10.0	10.6	
90 m-Xylene & p-Xylene	106	14.595	14.595	0.000	0	257412	10.0	10.7	
93 o-Xylene	106	15.154	15.154	0.000	94	249901	10.0	10.5	
94 Styrene	104	15.179	15.179	0.000	90	426674	10.0	10.5	
92 Bromoform	173	15.568	15.568	0.000	96	108651	10.0	10.5	
95 Isopropylbenzene	105	15.580	15.580	0.000	96	622933	10.0	10.3	
97 1,1,2,2-Tetrachloroethane	83	16.049	16.049	0.000	96	171789	10.0	10.0	
98 trans-1,4-Dichloro-2-buten	53	16.097	16.097	0.000	46	122830	10.0	9.86	
99 N-Propylbenzene	91	16.103	16.103	0.000	97	742087	10.0	10.1	
100 Bromobenzene	156	16.128	16.128	0.000	83	188022	10.0	9.98	
101 1,2,3-Trichloropropane	110	16.146	16.146	0.000	84	49129	10.0	8.83	
102 1,3,5-Trimethylbenzene	105	16.292	16.292	0.000	94	525935	10.0	10.2	
103 2-Chlorotoluene	126	16.310	16.310	0.000	94	163586	10.0	10.4	
105 4-Chlorotoluene	126	16.444	16.444	0.000	97	166581	10.0	10.1	
106 tert-Butylbenzene	134	16.730	16.730	0.000	97	111448	10.0	10.2	
107 1,2,4-Trimethylbenzene	105	16.797	16.797	0.000	97	557589	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.998	16.998	0.000	96	613176	10.0	10.0	
112 4-Isopropyltoluene	119	17.144	17.144	0.000	97	558198	10.0	10.1	
110 1,3-Dichlorobenzene	146	17.265	17.265	0.000	97	336388	10.0	10.2	
111 1,4-Dichlorobenzene	146	17.369	17.369	0.000	94	338700	10.0	10.0	
115 n-Butylbenzene	91	17.661	17.661	0.000	98	472279	10.0	9.95	
116 1,2-Dichlorobenzene	146	17.868	17.868	0.000	96	329539	10.0	10.1	
117 1,2-Dibromo-3-Chloropropan	75	18.914	18.914	0.000	78	37099	10.0	9.16	
119 1,2,4-Trichlorobenzene	180	20.021	20.021	0.000	94	229443	10.0	10.1	
120 Hexachlorobutadiene	225	20.143	20.143	0.000	93	80723	10.0	10.2	
121 Naphthalene	128	20.465	20.465	0.000	96	644162	10.0	10.0	
122 1,2,3-Trichlorobenzene	180	20.842	20.842	0.000	94	214210	10.0	9.89	
S 125 Total BTEX	1				0			52.6	
S 126 Xylenes, Total	1				0			21.3	
S 123 1,2-Dichloroethene, Total	1				0			20.4	
S 124 1,3-Dichloropropene, Total	1				0			20.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00116

Amount Added: 5.00

Units: uL

GAS CORP mix_00253

Amount Added: 5.00

Units: uL

P 8260 IS_00247

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00242

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94701P.D

Injection Date: 05-Dec-2017 14:54:30

Instrument ID: HP5973P

Operator ID: RF/RB

Lims ID: IC 4

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

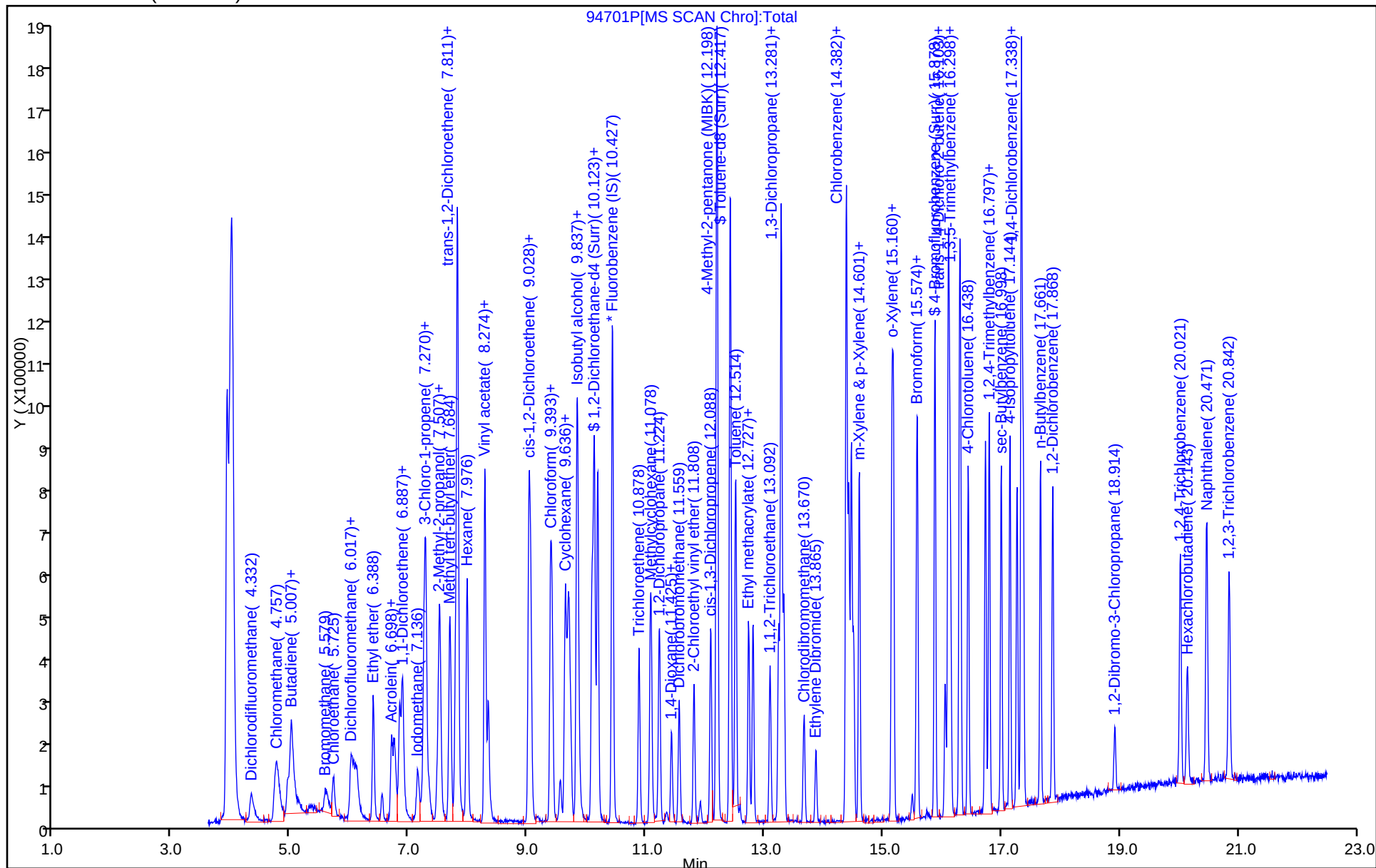
Dil. Factor: 1.0000

ALS Bottle#: 100

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94701P.D

Injection Date: 05-Dec-2017 14:54:30

Instrument ID: HP5973P

Lims ID: IC 4

Client ID:

Operator ID: RF/RB

ALS Bottle#:

100

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: P-8260H2O

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

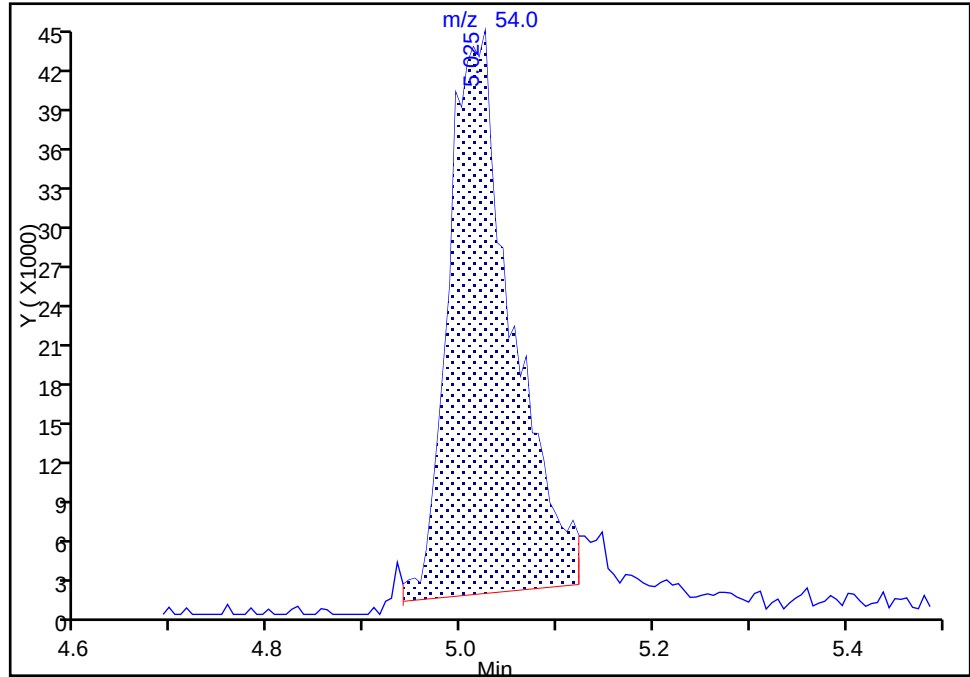
MS SCAN

144 Butadiene, CAS: 106-99-0

Signal: 1

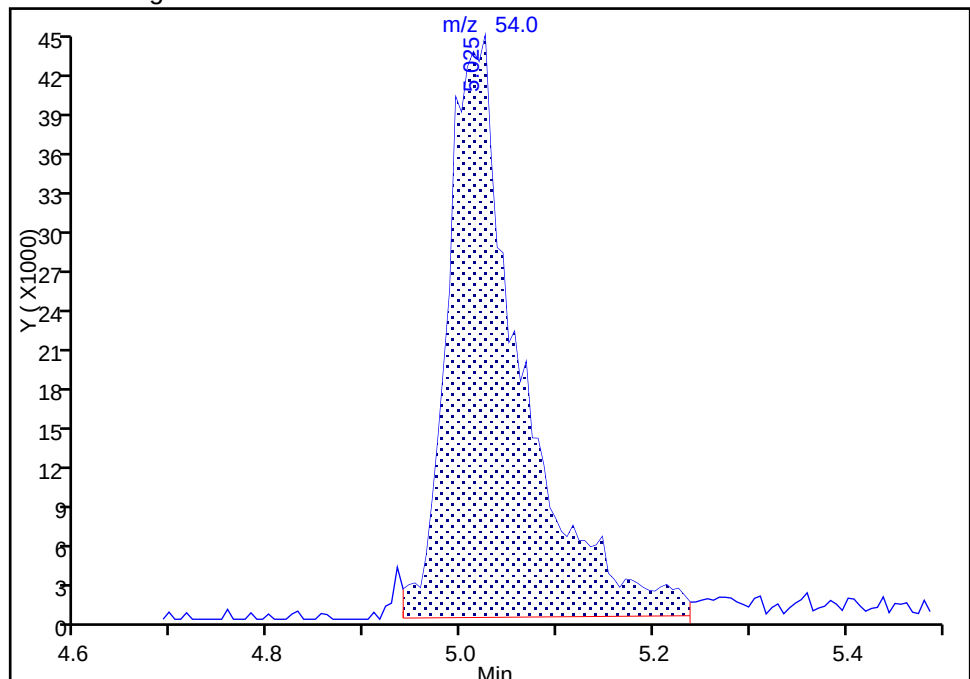
RT: 5.03
Area: 198132
Amount: 8.944623
Amount Units: ug/L

Processing Integration Results



RT: 5.03
Area: 235977
Amount: 9.963594
Amount Units: ug/L

Manual Integration Results



Reviewer: baroner, 06-Dec-2017 09:12:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94702P.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 05-Dec-2017 15:21:30 ALS Bottle#: 100 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: icis 5
 Misc. Info.: 480-0067727-011
 Operator ID: RF/RB Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 06-Dec-2017 12:17:55 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: baroner

Date: 06-Dec-2017 08:31:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.434	10.434	0.000	96	205219	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.382	14.382	0.000	92	444868	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.338	17.338	0.000	87	481236	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.631	9.631	0.000	66	276164	25.0	24.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.081	10.081	0.000	0	182413	25.0	24.8	
\$ 5 Toluene-d8 (Surr)	98	12.417	12.417	0.000	94	1022158	25.0	24.7	
\$ 6 4-Bromofluorobenzene (Surr	174	15.878	15.878	0.000	89	359663	25.0	24.5	
10 Dichlorodifluoromethane	85	4.332	4.332	0.000	83	370492	25.0	24.8	M
11 Chloromethane	50	4.752	4.752	0.000	89	1159562	25.0	25.5	
17 Vinyl chloride	62	4.952	4.952	0.000	80	478659	25.0	23.9	
144 Butadiene	54	5.013	5.013	0.000	97	580241	25.0	24.0	
12 Bromomethane	94	5.591	5.591	0.000	91	249522	25.0	23.8	
13 Chloroethane	64	5.713	5.713	0.000	88	276217	25.0	25.5	
19 Dichlorofluoromethane	67	6.029	6.029	0.000	80	680918	25.0	24.3	
14 Trichlorofluoromethane	101	6.078	6.078	0.000	83	545185	25.0	24.0	
20 Ethyl ether	59	6.388	6.388	0.000	86	498044	25.0	24.4	
22 Acrolein	56	6.698	6.698	0.000	94	450272	125.0	122.2	
16 1,1,2-Trichloro-1,2,2-trif	101	6.747	6.747	0.000	87	321890	25.0	24.1	
25 1,1-Dichloroethene	96	6.832	6.832	0.000	78	338517	25.0	24.9	
24 Acetone	43	6.887	6.887	0.000	97	1446520	125.0	117.1	
18 Iodomethane	142	7.136	7.136	0.000	98	575150	25.0	27.8	
30 Methyl acetate	43	7.252	7.252	0.000	97	1450793	50.0	46.7	
27 Carbon disulfide	76	7.258	7.258	0.000	56	1260216	25.0	24.4	
28 3-Chloro-1-propene	41	7.276	7.276	0.000	90	1392118	25.0	24.3	
33 2-Methyl-2-propanol	59	7.495	7.495	0.000	95	764262	250.0	239.4	
31 Methylene Chloride	84	7.513	7.513	0.000	78	353004	25.0	22.2	
32 Methyl tert-butyl ether	73	7.684	7.684	0.000	77	962961	25.0	23.9	
35 trans-1,2-Dichloroethene	96	7.781	7.781	0.000	84	331888	25.0	24.4	
34 Acrylonitrile	53	7.812	7.812	0.000	98	3336086	250.0	242.4	
36 Hexane	57	7.976	7.976	0.000	90	763670	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
38 Vinyl acetate	43	8.274	8.274	0.000	96	3918433	50.0	50.2	
40 1,1-Dichloroethane	63	8.335	8.335	0.000	85	815347	25.0	24.4	
44 2-Butanone (MEK)	43	9.016	9.016	0.000	94	2382230	125.0	122.4	
45 2,2-Dichloropropane	77	9.034	9.034	0.000	53	395547	25.0	24.6	
43 cis-1,2-Dichloroethene	96	9.053	9.053	0.000	77	371972	25.0	23.1	
50 Chlorobromomethane	128	9.381	9.381	0.000	72	177931	25.0	24.5	
51 Tetrahydrofuran	42	9.399	9.399	0.000	91	649815	50.0	46.9	
49 Chloroform	83	9.412	9.412	0.000	73	551955	25.0	24.4	
52 1,1,1-Trichloroethane	97	9.655	9.655	0.000	86	514629	25.0	24.4	
54 Cyclohexane	56	9.691	9.691	0.000	91	1115098	25.0	23.7	
56 1,1-Dichloropropene	75	9.825	9.825	0.000	70	427269	25.0	24.4	
55 Carbon tetrachloride	117	9.843	9.843	0.000	39	461137	25.0	24.9	
53 Isobutyl alcohol	43	9.843	9.843	0.000	91	1245892	625.0	611.7	
57 Benzene	78	10.123	10.123	0.000	86	1264530	25.0	24.4	
60 1,2-Dichloroethane	62	10.184	10.184	0.000	66	694453	25.0	24.3	
59 n-Heptane	43	10.184	10.184	0.000	92	858094	25.0	23.9	
62 Trichloroethene	95	10.878	10.878	0.000	87	336811	25.0	24.2	
64 Methylcyclohexane	83	11.078	11.078	0.000	86	443113	25.0	23.9	
63 1,2-Dichloropropane	63	11.224	11.224	0.000	83	470469	25.0	24.5	
68 1,4-Dioxane	88	11.340	11.340	0.000	80	59291	500.0	493.5	
69 Dibromomethane	93	11.425	11.425	0.000	87	218930	25.0	23.6	
70 Dichlorobromomethane	83	11.559	11.559	0.000	85	435560	25.0	24.6	
71 2-Chloroethyl vinyl ether	63	11.808	11.808	0.000	77	333203	25.0	24.9	
73 cis-1,3-Dichloropropene	75	12.088	12.088	0.000	71	534865	25.0	24.6	
75 4-Methyl-2-pentanone (MIBK)	43	12.192	12.192	0.000	95	4856317	125.0	123.5	
76 Toluene	92	12.514	12.514	0.000	89	846077	25.0	24.6	
77 Ethyl methacrylate	69	12.733	12.733	0.000	80	429771	25.0	24.2	
78 trans-1,3-Dichloropropene	75	12.806	12.806	0.000	79	495491	25.0	24.2	
79 1,1,2-Trichloroethane	83	13.092	13.092	0.000	85	246674	25.0	23.2	
80 Tetrachloroethene	166	13.238	13.238	0.000	87	345675	25.0	23.8	
83 2-Hexanone	43	13.281	13.281	0.000	96	3525833	125.0	123.5	
82 1,3-Dichloropropane	76	13.329	13.329	0.000	80	499885	25.0	24.0	
81 Chlorodibromomethane	129	13.664	13.664	0.000	85	357366	25.0	23.6	
85 Ethylene Dibromide	107	13.865	13.865	0.000	98	319448	25.0	23.6	
87 Chlorobenzene	112	14.418	14.418	0.000	89	989063	25.0	24.4	
89 Ethylbenzene	91	14.467	14.467	0.000	88	1572187	25.0	24.8	
88 1,1,1,2-Tetrachloroethane	131	14.504	14.504	0.000	86	340887	25.0	24.0	
90 m-Xylene & p-Xylene	106	14.601	14.601	0.000	0	602384	25.0	24.2	
93 o-Xylene	106	15.148	15.148	0.000	93	604232	25.0	24.6	
94 Styrene	104	15.173	15.173	0.000	87	1060626	25.0	25.0	
92 Bromoform	173	15.568	15.568	0.000	52	261897	25.0	24.4	
95 Isopropylbenzene	105	15.580	15.580	0.000	94	1492769	25.0	25.4	
97 1,1,2,2-Tetrachloroethane	83	16.049	16.049	0.000	87	410940	25.0	24.7	
98 trans-1,4-Dichloro-2-buten	53	16.097	16.097	0.000	38	299611	25.0	24.8	
99 N-Propylbenzene	91	16.103	16.103	0.000	94	1760534	25.0	24.8	
100 Bromobenzene	156	16.128	16.128	0.000	84	452008	25.0	24.7	
101 1,2,3-Trichloropropane	110	16.140	16.140	0.000	32	127809	25.0	23.7	
102 1,3,5-Trimethylbenzene	105	16.292	16.292	0.000	89	1262753	25.0	25.2	
103 2-Chlorotoluene	126	16.310	16.310	0.000	93	376791	25.0	24.6	
105 4-Chlorotoluene	126	16.438	16.438	0.000	98	394784	25.0	24.5	
106 tert-Butylbenzene	134	16.736	16.736	0.000	94	267140	25.0	25.1	
107 1,2,4-Trimethylbenzene	105	16.797	16.797	0.000	69	1342054	25.0	25.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.998	16.998	0.000	96	1485223	25.0	24.9	
112 4-Isopropyltoluene	119	17.144	17.144	0.000	96	1362406	25.0	25.4	
110 1,3-Dichlorobenzene	146	17.265	17.265	0.000	96	786137	25.0	24.5	
111 1,4-Dichlorobenzene	146	17.369	17.369	0.000	90	808283	25.0	24.6	
115 n-Butylbenzene	91	17.661	17.661	0.000	95	1137489	25.0	24.7	
116 1,2-Dichlorobenzene	146	17.868	17.868	0.000	94	796466	25.0	25.2	
117 1,2-Dibromo-3-Chloropropan	75	18.914	18.914	0.000	68	92991	25.0	24.3	
119 1,2,4-Trichlorobenzene	180	20.021	20.021	0.000	93	554438	25.0	25.2	
120 Hexachlorobutadiene	225	20.143	20.143	0.000	77	190099	25.0	24.6	
121 Naphthalene	128	20.472	20.472	0.000	96	1560934	25.0	24.9	
122 1,2,3-Trichlorobenzene	180	20.849	20.849	0.000	94	518289	25.0	24.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00116

Amount Added: 12.50

Units: uL

GAS CORP mix_00253

Amount Added: 12.50

Units: uL

P 8260 IS_00247

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr_00242

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94702P.D

Injection Date: 05-Dec-2017 15:21:30

Instrument ID: HP5973P

Operator ID: RF/RB

Lims ID: ICIS 5

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

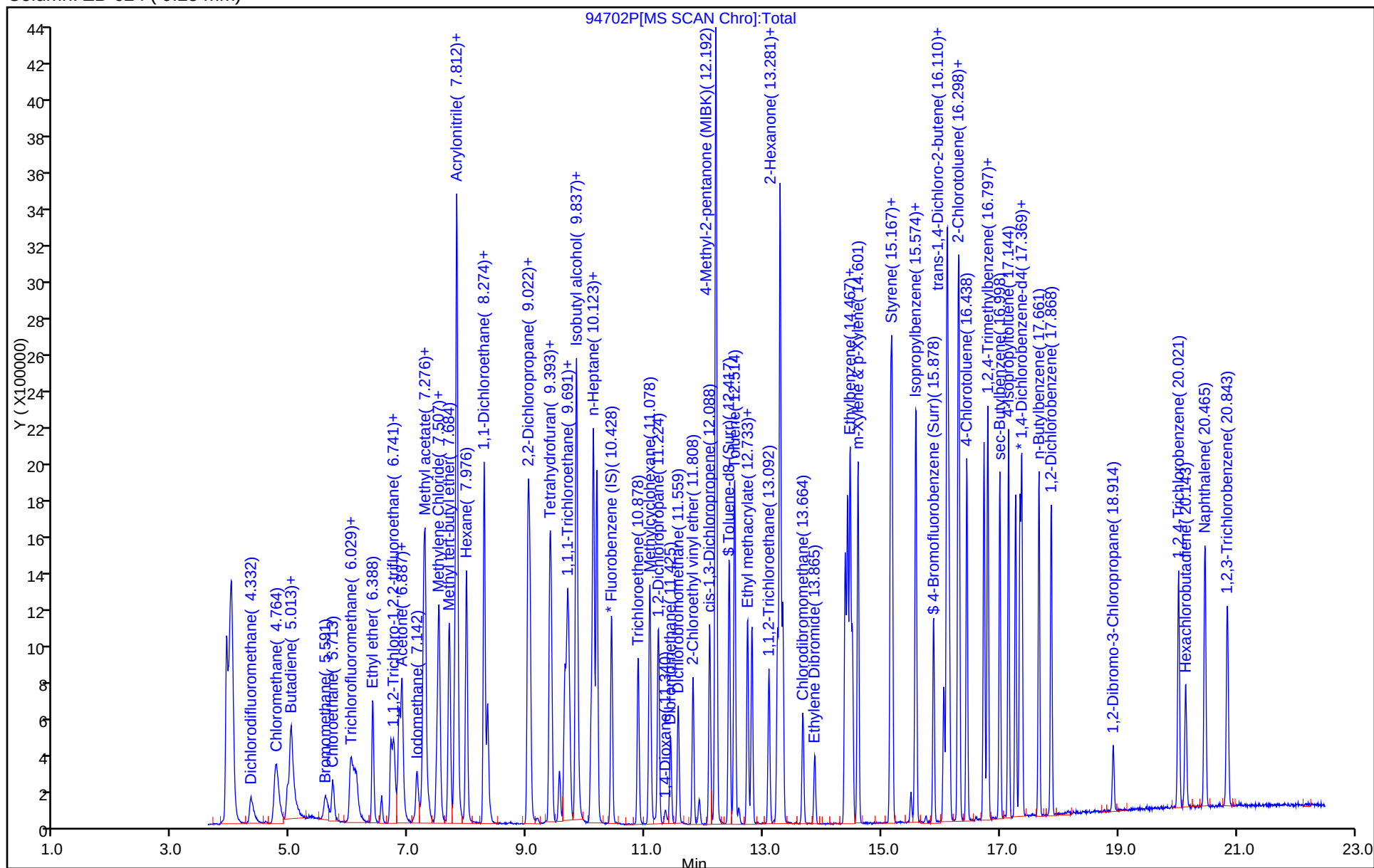
Dil. Factor: 1.0000

ALS Bottle#: 100

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

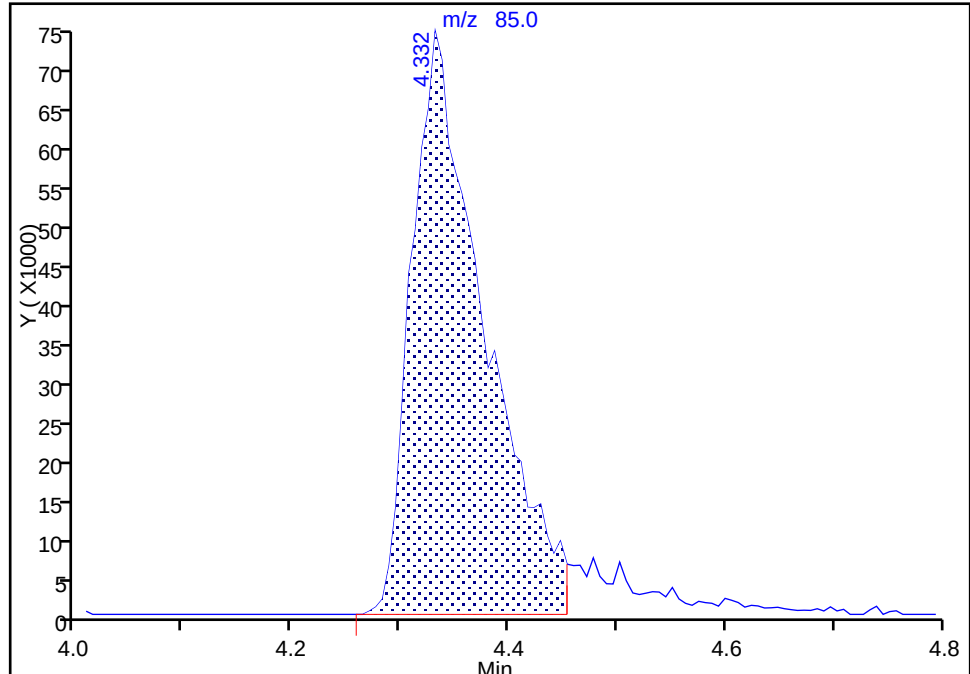
Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94702P.D
Injection Date: 05-Dec-2017 15:21:30 Instrument ID: HP5973P
Lims ID: ICIS 5
Client ID:
Operator ID: RF/RB ALS Bottle#: 100 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

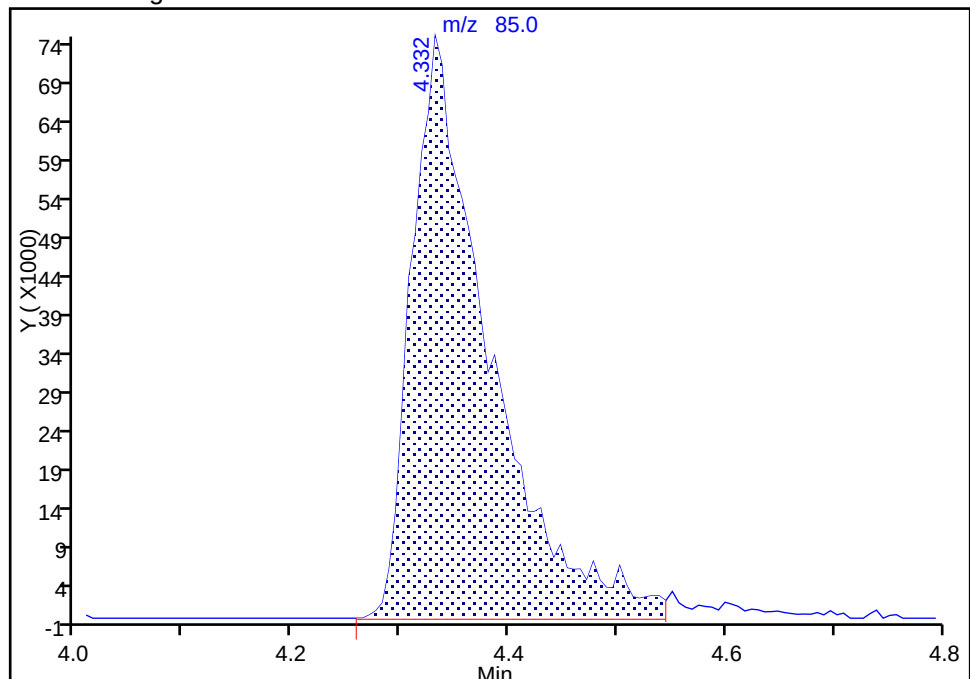
RT: 4.33
Area: 344878
Amount: 24.141851
Amount Units: ug/L

Processing Integration Results



RT: 4.33
Area: 370492
Amount: 24.779129
Amount Units: ug/L

Manual Integration Results



Reviewer: baroner, 06-Dec-2017 08:49:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94703P.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 05-Dec-2017 16:00:30 ALS Bottle#: 100 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic 6
 Misc. Info.: 480-0067727-012
 Operator ID: RF/RB Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 06-Dec-2017 12:18:00 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: baroner

Date: 06-Dec-2017 09:15:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.434	10.434	0.000	96	212105	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.382	14.382	0.000	92	453751	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.339	17.338	0.001	93	492730	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.631	9.631	0.000	93	292998	25.0	25.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.087	10.081	0.006	0	185958	25.0	24.5	
\$ 5 Toluene-d8 (Surr)	98	12.423	12.417	0.006	94	1052671	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	15.879	15.878	0.000	90	383554	25.0	25.6	
10 Dichlorodifluoromethane	85	4.332	4.332	0.000	96	862227	50.0	55.8	
11 Chloromethane	50	4.758	4.752	0.006	99	2479822	50.0	52.8	
17 Vinyl chloride	62	4.952	4.952	0.000	97	1081867	50.0	52.2	
144 Butadiene	54	5.013	5.013	0.000	96	1398958	50.0	55.9	
12 Bromomethane	94	5.603	5.591	0.012	93	523476	50.0	48.3	
13 Chloroethane	64	5.713	5.713	0.000	91	620308	50.0	55.4	
19 Dichlorofluoromethane	67	6.029	6.029	0.000	96	1461436	50.0	50.5	
14 Trichlorofluoromethane	101	6.084	6.078	0.006	97	1280679	50.0	54.5	
20 Ethyl ether	59	6.388	6.388	0.000	83	1036671	50.0	49.1	
22 Acrolein	56	6.698	6.698	0.000	99	933556	250.0	245.1	
16 1,1,2-Trichloro-1,2,2-trif	101	6.747	6.747	0.000	94	750809	50.0	54.4	
25 1,1-Dichloroethene	96	6.844	6.832	0.012	88	721413	50.0	51.1	
24 Acetone	43	6.887	6.887	0.000	97	2941648	250.0	230.4	
18 Iodomethane	142	7.136	7.136	0.000	99	1214945	50.0	56.8	
27 Carbon disulfide	76	7.258	7.258	0.000	59	2711710	50.0	50.8	
30 Methyl acetate	43	7.252	7.252	0.000	98	2952634	100.0	92.0	
28 3-Chloro-1-propene	41	7.276	7.276	0.000	94	2997703	50.0	50.6	
33 2-Methyl-2-propanol	59	7.501	7.495	0.006	95	1760629	500.0	533.7	
31 Methylene Chloride	84	7.514	7.513	0.001	82	738784	50.0	45.0	
32 Methyl tert-butyl ether	73	7.690	7.684	0.006	84	2087844	50.0	50.2	
35 trans-1,2-Dichloroethene	96	7.781	7.781	0.000	86	688695	50.0	48.9	
34 Acrylonitrile	53	7.812	7.812	0.000	97	6790399	500.0	477.3	
36 Hexane	57	7.976	7.976	0.000	91	1829886	50.0	55.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	8.274	8.274	0.000	96	7865448	100.0	97.4	
40 1,1-Dichloroethane	63	8.335	8.335	0.000	96	1721538	50.0	49.9	
44 2-Butanone (MEK)	43	9.016	9.016	0.000	94	4793941	250.0	238.2	
45 2,2-Dichloropropane	77	9.028	9.034	-0.006	74	839791	50.0	50.5	
43 cis-1,2-Dichloroethene	96	9.053	9.053	0.000	90	777720	50.0	46.7	
50 Chlorobromomethane	128	9.381	9.381	0.000	78	377384	50.0	50.3	
51 Tetrahydrofuran	42	9.393	9.399	-0.006	90	1316281	100.0	91.9	
49 Chloroform	83	9.418	9.412	0.006	91	1158873	50.0	49.6	
52 1,1,1-Trichloroethane	97	9.649	9.655	-0.006	94	1107592	50.0	50.7	
54 Cyclohexane	56	9.698	9.691	0.007	91	2659587	50.0	54.8	
56 1,1-Dichloropropene	75	9.825	9.825	0.000	86	929631	50.0	51.3	
53 Isobutyl alcohol	43	9.844	9.843	0.001	91	2857566	1250.0	1357.4	
55 Carbon tetrachloride	117	9.850	9.843	0.007	51	1002957	50.0	52.3	
57 Benzene	78	10.123	10.123	0.000	88	2671576	50.0	49.9	
59 n-Heptane	43	10.184	10.184	0.000	92	2145205	50.0	57.9	
60 1,2-Dichloroethane	62	10.178	10.184	-0.006	92	1438672	50.0	48.8	
62 Trichloroethene	95	10.884	10.878	0.006	93	723743	50.0	50.3	
64 Methylcyclohexane	83	11.079	11.078	0.001	86	1074157	50.0	56.1	
63 1,2-Dichloropropane	63	11.225	11.224	0.001	84	996081	50.0	50.1	
68 1,4-Dioxane	88	11.346	11.340	0.006	81	167423	1000.0	1366.3	
69 Dibromomethane	93	11.425	11.425	0.000	95	462295	50.0	48.2	
70 Dichlorobromomethane	83	11.559	11.559	0.000	92	935377	50.0	51.2	
71 2-Chloroethyl vinyl ether	63	11.809	11.808	0.001	78	679393	50.0	49.2	
73 cis-1,3-Dichloropropene	75	12.088	12.088	0.000	74	1104473	50.0	49.1	
75 4-Methyl-2-pentanone (MIBK)	43	12.198	12.192	0.006	96	9617177	250.0	239.7	
76 Toluene	92	12.514	12.514	0.000	95	1761188	50.0	50.2	
77 Ethyl methacrylate	69	12.733	12.733	0.000	80	882027	50.0	48.8	
78 trans-1,3-Dichloropropene	75	12.800	12.806	-0.006	82	1049077	50.0	50.3	
79 1,1,2-Trichloroethane	83	13.092	13.092	0.000	92	501077	50.0	46.2	
80 Tetrachloroethene	166	13.238	13.238	0.000	95	758126	50.0	51.3	
83 2-Hexanone	43	13.281	13.281	0.000	96	6876165	250.0	236.2	
82 1,3-Dichloropropane	76	13.329	13.329	0.000	91	1036950	50.0	48.8	
81 Chlorodibromomethane	129	13.670	13.664	0.006	88	765958	50.0	49.7	
85 Ethylene Dibromide	107	13.865	13.865	0.000	98	655998	50.0	47.5	
87 Chlorobenzene	112	14.425	14.418	0.007	95	2048630	50.0	49.6	
89 Ethylbenzene	91	14.467	14.467	0.000	97	3274485	50.0	50.6	
88 1,1,1,2-Tetrachloroethane	131	14.504	14.504	0.000	94	730261	50.0	50.5	
90 m-Xylene & p-Xylene	106	14.601	14.601	0.000	0	1282313	50.0	50.6	
93 o-Xylene	106	15.148	15.148	0.000	95	1238961	50.0	49.4	
94 Styrene	104	15.179	15.173	0.006	91	2186733	50.0	50.6	
92 Bromoform	173	15.568	15.568	0.000	91	552444	50.0	50.5	
95 Isopropylbenzene	105	15.580	15.580	0.000	96	3117862	50.0	51.8	
97 1,1,2,2-Tetrachloroethane	83	16.049	16.049	0.000	96	822889	50.0	48.3	
98 trans-1,4-Dichloro-2-buten	53	16.104	16.097	0.007	69	604692	50.0	48.8	
99 N-Propylbenzene	91	16.104	16.103	0.001	98	3740819	50.0	51.4	
100 Bromobenzene	156	16.128	16.128	0.000	84	916880	50.0	48.9	
101 1,2,3-Trichloropropane	110	16.146	16.140	0.006	77	248708	50.0	45.0	
102 1,3,5-Trimethylbenzene	105	16.292	16.292	0.000	94	2666333	50.0	52.0	
103 2-Chlorotoluene	126	16.310	16.310	0.000	96	783659	50.0	50.0	
105 4-Chlorotoluene	126	16.444	16.438	0.006	97	833520	50.0	50.6	
106 tert-Butylbenzene	134	16.736	16.736	0.000	97	578541	50.0	53.1	
107 1,2,4-Trimethylbenzene	105	16.797	16.797	0.000	97	2821686	50.0	52.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.998	16.998	0.000	96	3197271	50.0	52.4	
112 4-Isopropyltoluene	119	17.144	17.144	0.000	97	2888149	50.0	52.5	
110 1,3-Dichlorobenzene	146	17.266	17.265	0.001	96	1650785	50.0	50.2	
111 1,4-Dichlorobenzene	146	17.369	17.369	0.000	91	1712928	50.0	50.8	
115 n-Butylbenzene	91	17.661	17.661	0.000	97	2471578	50.0	52.4	
116 1,2-Dichlorobenzene	146	17.868	17.868	0.000	96	1653061	50.0	51.1	
117 1,2-Dibromo-3-Chloropropan	75	18.914	18.914	0.000	79	185828	50.0	47.8	
119 1,2,4-Trichlorobenzene	180	20.021	20.021	0.000	94	1167921	50.0	51.9	
120 Hexachlorobutadiene	225	20.137	20.143	-0.006	96	429109	50.0	54.3	
121 Naphthalene	128	20.466	20.472	-0.006	96	3253792	50.0	50.7	
122 1,2,3-Trichlorobenzene	180	20.849	20.849	0.000	95	1122275	50.0	52.1	
S 125 Total BTEX	1				0			250.7	
S 126 Xylenes, Total	1				0			99.9	
S 123 1,2-Dichloroethene, Total	1				0			95.6	
S 124 1,3-Dichloropropene, Total	1				0			99.4	

Reagents:

8260 CORP mix_00116	Amount Added: 25.00	Units: uL	
GAS CORP mix_00253	Amount Added: 25.00	Units: uL	
P 8260 IS_00247	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00242	Amount Added: 1.25	Units: uL	Run Reagent

Operator ID: RF/RB

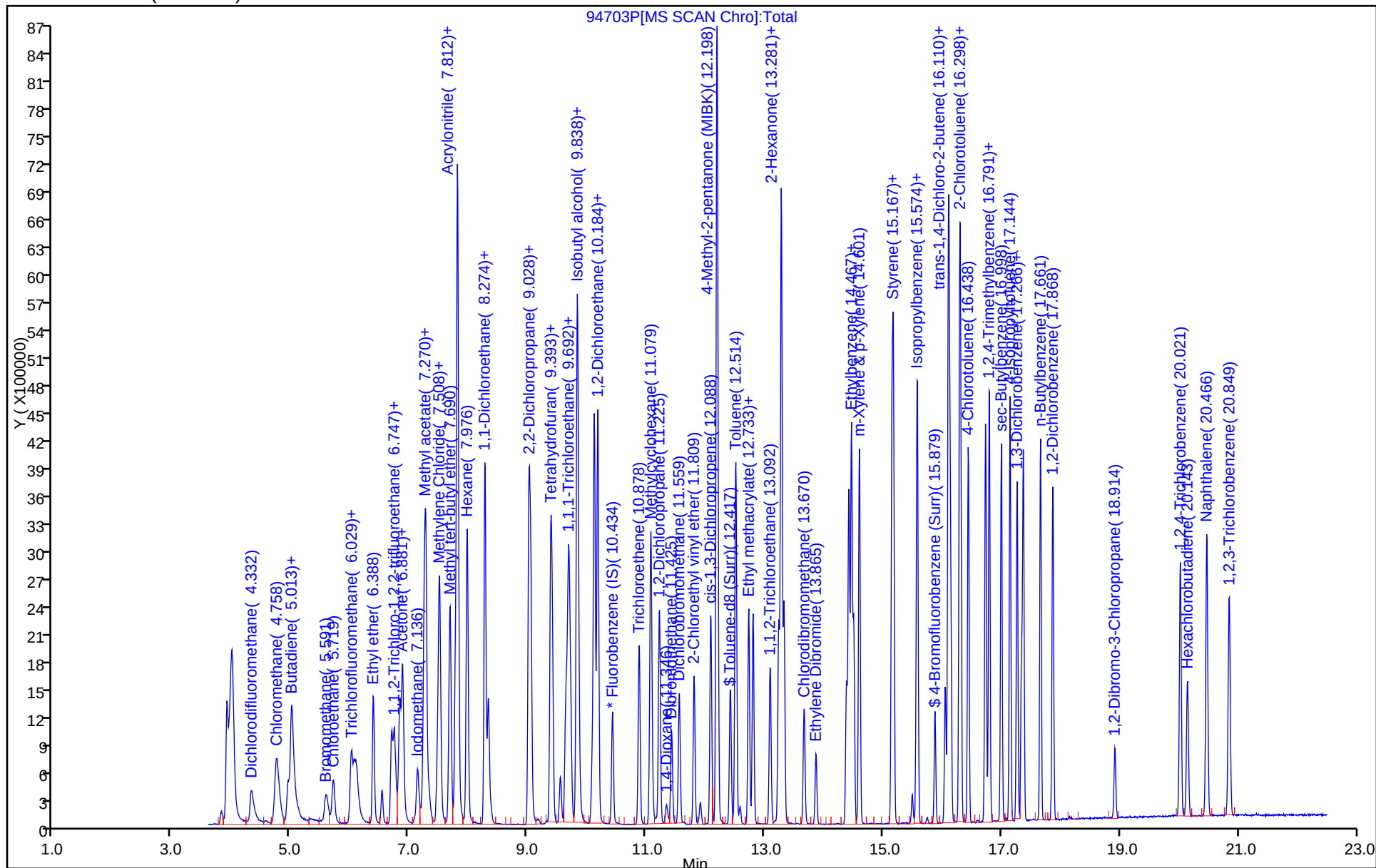
Worklist Smp#: 12

Client ID:

ALS Bottle#: 100

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94704P.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 05-Dec-2017 16:27:30 ALS Bottle#: 100 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ic 7
 Misc. Info.: 480-0067727-013
 Operator ID: RF/RB Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 06-Dec-2017 12:18:05 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK009

First Level Reviewer: baroner

Date: 06-Dec-2017 09:19:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.427	10.434	-0.007	96	217662	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.382	14.382	0.000	91	467016	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.338	17.338	0.000	94	512987	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.631	9.631	0.000	93	290809	25.0	24.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.087	10.081	0.006	0	193241	25.0	24.8	
\$ 5 Toluene-d8 (Surr)	98	12.423	12.417	0.006	95	1080364	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	15.878	15.878	0.000	89	386271	25.0	25.0	
10 Dichlorodifluoromethane	85	4.338	4.332	0.006	97	1580647	100.0	99.7	
11 Chloromethane	50	4.758	4.752	0.006	99	5011496	100.0	104.0	
17 Vinyl chloride	62	4.952	4.952	0.000	97	2250636	100.0	105.7	
144 Butadiene	54	5.013	5.013	0.000	96	2704898	100.0	105.4	
12 Bromomethane	94	5.603	5.591	0.012	91	1114688	100.0	100.2	
13 Chloroethane	64	5.725	5.713	0.012	91	1308130	100.0	113.9	
19 Dichlorofluoromethane	67	6.023	6.029	-0.006	96	2983185	100.0	100.4	
14 Trichlorofluoromethane	101	6.084	6.078	0.006	98	2376087	100.0	98.5	
20 Ethyl ether	59	6.394	6.388	0.006	84	2158588	100.0	99.7	
22 Acrolein	56	6.698	6.698	0.000	99	2029433	500.0	519.2	
16 1,1,2-Trichloro-1,2,2-trif	101	6.747	6.747	0.000	92	1391030	100.0	98.1	
25 1,1-Dichloroethene	96	6.838	6.832	0.006	87	1429852	100.0	98.5	
24 Acetone	43	6.887	6.887	0.000	97	6245064	500.0	476.7	
18 Iodomethane	142	7.142	7.136	0.006	99	2407088	100.0	109.6	
30 Methyl acetate	43	7.252	7.252	0.000	98	6276652	200.0	190.6	
27 Carbon disulfide	76	7.252	7.258	-0.006	55	5561692	100.0	101.5	
28 3-Chloro-1-propene	41	7.276	7.276	0.000	92	6066049	100.0	99.8	
33 2-Methyl-2-propanol	59	7.501	7.495	0.006	96	3248456	1000.0	959.5	
31 Methylene Chloride	84	7.513	7.513	0.000	83	1524145	100.0	90.4	
32 Methyl tert-butyl ether	73	7.684	7.684	0.000	84	4391530	100.0	102.9	
35 trans-1,2-Dichloroethene	96	7.775	7.781	-0.006	86	1422858	100.0	98.5	
34 Acrylonitrile	53	7.812	7.812	0.000	96	14119806	1000.0	967.2	
36 Hexane	57	7.976	7.976	0.000	93	3476498	100.0	102.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
38 Vinyl acetate	43	8.274	8.274	0.000	96	15866194	200.0	191.5	
40 1,1-Dichloroethane	63	8.335	8.335	0.000	96	3584078	100.0	101.2	
44 2-Butanone (MEK)	43	9.016	9.016	0.000	94	10090831	500.0	488.7	
45 2,2-Dichloropropane	77	9.028	9.034	-0.006	79	1695984	100.0	99.4	
43 cis-1,2-Dichloroethene	96	9.053	9.053	0.000	90	1569420	100.0	91.9	
50 Chlorobromomethane	128	9.387	9.381	0.006	78	782787	100.0	101.7	
51 Tetrahydrofuran	42	9.393	9.399	-0.006	90	2772574	200.0	188.7	
49 Chloroform	83	9.418	9.412	0.006	90	2386775	100.0	99.5	
52 1,1,1-Trichloroethane	97	9.649	9.655	-0.006	94	2274608	100.0	101.5	
54 Cyclohexane	56	9.691	9.691	0.000	90	5082646	100.0	102.0	
56 1,1-Dichloropropene	75	9.825	9.825	0.000	86	1902537	100.0	102.3	
55 Carbon tetrachloride	117	9.843	9.843	0.000	94	2040427	100.0	103.7	
53 Isobutyl alcohol	43	9.837	9.843	-0.006	92	5364620	2500.0	2483.2	
57 Benzene	78	10.123	10.123	0.000	87	5413376	100.0	98.6	
60 1,2-Dichloroethane	62	10.178	10.184	-0.006	92	3043946	100.0	100.5	
59 n-Heptane	43	10.184	10.184	0.000	90	3759900	100.0	98.8	
62 Trichloroethene	95	10.878	10.878	0.000	92	1493267	100.0	101.2	
64 Methylcyclohexane	83	11.078	11.078	0.000	86	2012875	100.0	102.4	
63 1,2-Dichloropropane	63	11.224	11.224	0.000	85	2107142	100.0	103.3	
68 1,4-Dioxane	88	11.334	11.340	-0.006	78	229517	2000.0	1819.8	
69 Dibromomethane	93	11.425	11.425	0.000	94	978386	100.0	99.5	
70 Dichlorobromomethane	83	11.559	11.559	0.000	92	1946285	100.0	103.8	
71 2-Chloroethyl vinyl ether	63	11.808	11.808	0.000	78	1509739	100.0	106.6	
73 cis-1,3-Dichloropropene	75	12.094	12.088	0.006	75	2382441	100.0	103.2	
75 4-Methyl-2-pentanone (MIBK)	43	12.198	12.192	0.006	98	18681647	500.0	452.4	
76 Toluene	92	12.514	12.514	0.000	95	3665521	100.0	101.5	
77 Ethyl methacrylate	69	12.733	12.733	0.000	81	1942627	100.0	104.4	
78 trans-1,3-Dichloropropene	75	12.806	12.806	0.000	84	2236101	100.0	104.1	
79 1,1,2-Trichloroethane	83	13.092	13.092	0.000	92	1086779	100.0	97.4	
80 Tetrachloroethene	166	13.238	13.238	0.000	94	1537979	100.0	101.0	
83 2-Hexanone	43	13.281	13.281	0.000	98	14081437	500.0	469.9	
82 1,3-Dichloropropane	76	13.329	13.329	0.000	89	2191450	100.0	100.2	
81 Chlorodibromomethane	129	13.664	13.664	0.000	87	1641826	100.0	103.5	
85 Ethylene Dibromide	107	13.865	13.865	0.000	100	1438270	100.0	101.2	
87 Chlorobenzene	112	14.424	14.418	0.006	92	4221459	100.0	99.3	
89 Ethylbenzene	91	14.467	14.467	0.000	97	6777852	100.0	101.8	
88 1,1,1,2-Tetrachloroethane	131	14.503	14.504	-0.001	95	1519150	100.0	102.0	
90 m-Xylene & p-Xylene	106	14.601	14.601	0.000	0	2714193	100.0	104.0	
93 o-Xylene	106	15.154	15.148	0.006	97	2601528	100.0	100.7	
94 Styrene	104	15.179	15.173	0.006	91	4608861	100.0	103.6	
92 Bromoform	173	15.568	15.568	0.000	95	1204827	100.0	107.0	
95 Isopropylbenzene	105	15.580	15.580	0.000	96	6456573	100.0	103.1	
97 1,1,2,2-Tetrachloroethane	83	16.049	16.049	0.000	96	1810492	100.0	102.1	
98 trans-1,4-Dichloro-2-buten	53	16.097	16.097	0.000	55	1334595	100.0	103.5	
99 N-Propylbenzene	91	16.103	16.103	0.000	98	7736436	100.0	102.1	
100 Bromobenzene	156	16.128	16.128	0.000	83	1908567	100.0	97.9	
101 1,2,3-Trichloropropane	110	16.146	16.140	0.006	82	547085	100.0	95.0	
102 1,3,5-Trimethylbenzene	105	16.292	16.292	0.000	95	5531632	100.0	103.7	
103 2-Chlorotoluene	126	16.310	16.310	0.000	95	1625900	100.0	99.7	
105 4-Chlorotoluene	126	16.438	16.438	0.000	97	1725673	100.0	100.7	
106 tert-Butylbenzene	134	16.730	16.736	-0.006	97	1183248	100.0	104.4	
107 1,2,4-Trimethylbenzene	105	16.797	16.797	0.000	97	5830509	100.0	103.9	

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	16.998	16.998	0.000	96	6517554	100.0	102.6	
112 4-Isopropyltoluene	119	17.144	17.144	0.000	97	5833334	100.0	101.9	
110 1,3-Dichlorobenzene	146	17.265	17.265	0.000	96	3450226	100.0	100.9	
111 1,4-Dichlorobenzene	146	17.369	17.369	0.000	91	3556190	100.0	101.4	
115 n-Butylbenzene	91	17.661	17.661	0.000	98	5036674	100.0	102.5	
116 1,2-Dichlorobenzene	146	17.868	17.868	0.000	95	3443285	100.0	102.3	
117 1,2-Dibromo-3-Chloropropan	75	18.914	18.914	0.000	76	417517	100.0	103.6	
119 1,2,4-Trichlorobenzene	180	20.021	20.021	0.000	94	2374822	100.0	101.4	
120 Hexachlorobutadiene	225	20.143	20.143	0.000	96	849658	100.0	103.3	
121 Naphthalene	128	20.465	20.472	-0.007	96	6966696	100.0	104.4	
122 1,2,3-Trichlorobenzene	180	20.849	20.849	0.000	95	2276429	100.0	101.5	
S 123 1,2-Dichloroethene, Total	1				0			190.4	
S 124 1,3-Dichloropropene, Total	1				0			207.3	
S 125 Total BTEX	1				0			506.6	
S 126 Xylenes, Total	1				0			204.7	

Reagents:

8260 CORP mix_00116	Amount Added: 50.00	Units: uL	
GAS CORP mix_00253	Amount Added: 50.00	Units: uL	
P 8260 IS_00247	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00242	Amount Added: 1.25	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94704P.D

Injection Date: 05-Dec-2017 16:27:30

Instrument ID: HP5973P

Lims ID: IC 7

Client ID:

Operator ID: RF/RB

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

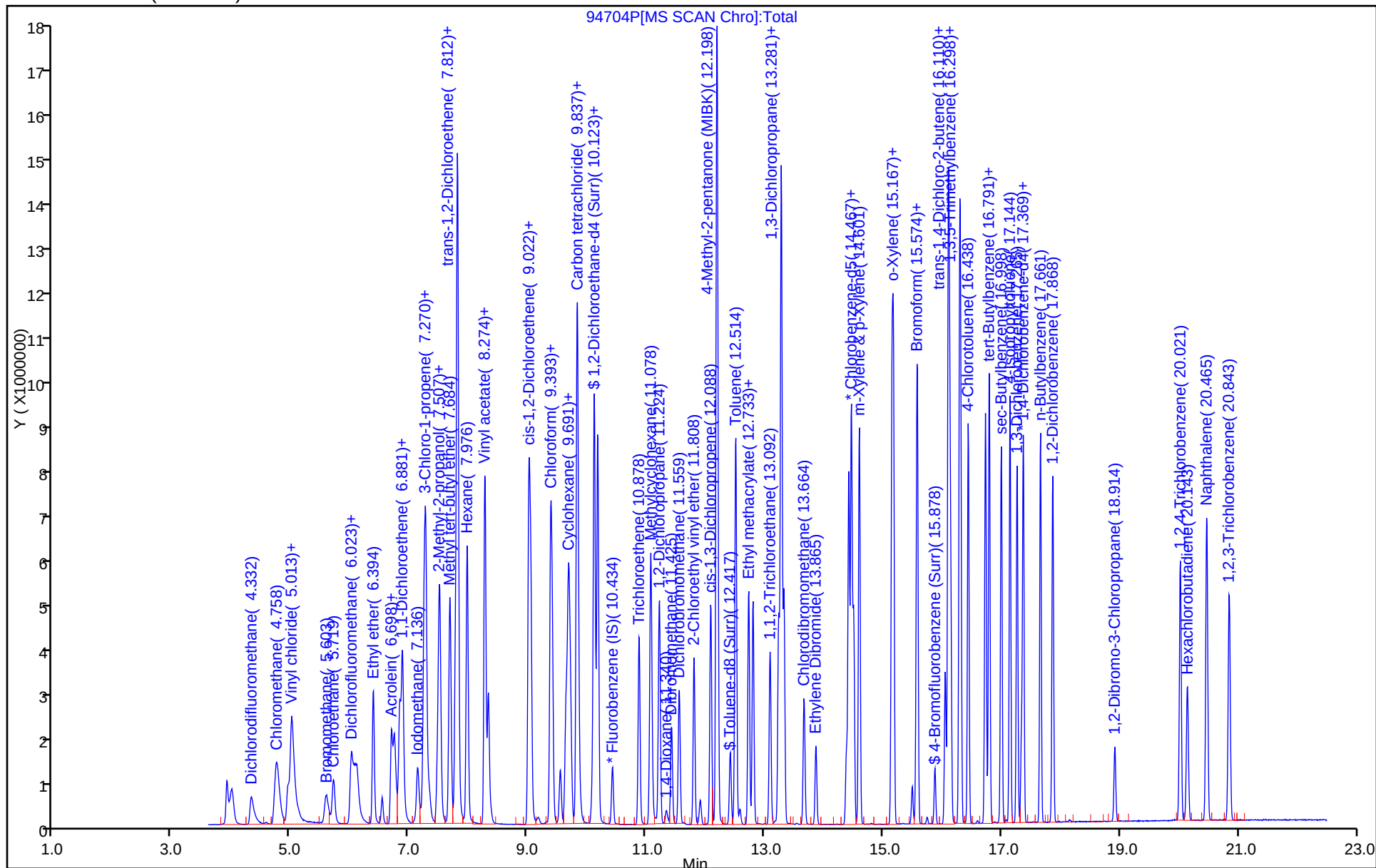
Worklist Smp#: 13

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

ALS Bottle#: 100

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395447

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/11/2018 15:11 Calibration End Date: 01/11/2018 17:55 Calibration ID: 32575

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-395447/8	T3806.D
Level 2	IC 480-395447/9	T3807.D
Level 3	IC 480-395447/10	T3808.D
Level 4	IC 480-395447/11	T3809.D
Level 5	IC 480-395447/12	T3810.D
Level 6	ICIS 480-395447/13	T3811.D
Level 7	IC 480-395447/14	T3812.D
Level 8	IC 480-395447/15	T3813.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Dichlorodifluoromethane	+++++	1.8504	1.8939	1.5304	1.7171	Ave		1.7305			0.1000	8.4		20.0			
	1.5491	1.7264	1.8460														
Chloromethane	2.4043	2.0754	2.2111	1.8759	2.2589	Ave		2.1799			0.1000	7.6		20.0			
	2.0806	2.2045	2.3291														
Vinyl chloride	+++++	2.0400	1.9678	1.7030	1.9605	Ave		1.8930			0.1000	7.2		20.0			
	1.7094	1.8790	1.9914														
Butadiene	+++++	1.9366	1.7415	1.6160	1.9907	Ave		1.8572				8.4		20.0			
	1.7479	1.9206	2.0472														
Bromomethane	1.1266	1.1546	1.1245	0.9569	1.0775	Ave		1.0761			0.1000	7.9		20.0			
	0.9373	1.0815	1.1502														
Chloroethane	1.1466	1.1483	1.0651	1.0400	0.9834	Ave		1.0421			0.1000	7.7		20.0			
	0.9293	0.9654	1.0583														
Trichlorofluoromethane	2.5439	2.4943	2.1238	1.9825	2.3890	Ave		2.2950			0.1000	9.4		20.0			
	2.0598	2.2885	2.4780														
Dichlorofluoromethane	2.4666	2.8995	2.7219	2.1402	2.4823	Ave		2.4600				10.6		20.0			
	2.1351	2.3595	2.4747														
Ethyl ether	+++++	1.3965	1.4140	1.2317	1.1624	Ave		1.2917				7.0		20.0			
	1.2962	1.2413	1.2996														
Acrolein	+++++	0.2587	0.2395	0.2127	0.1915	Ave		0.2284				9.9		20.0			
	0.2412	0.2161	0.2391														
1,1-Dichloroethene	+++++	1.2239	1.2423	1.2139	0.9848	Ave		1.1730			0.1000	8.3		20.0			
	1.1601	1.1183	1.2678														
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1206	1.0790	1.1527	1.2239	1.0881	Ave		1.2086			0.1000	10.4		20.0			
	1.2762	1.2741	1.4540														
Acetone	+++++	0.5342	0.5408	0.4291	0.4001	Ave		0.4597			0.1000	12.2		20.0			
	0.4386	0.4159	0.4592														
Iodomethane	2.2911	2.1562	2.3485	2.2306	2.0530	Ave		2.2927				6.5		20.0			
	2.4113	2.3230	2.5275														

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: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395447
SDG No.: _____
Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/11/2018 15:11 Calibration End Date: 01/11/2018 17:55 Calibration ID: 32575

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	3.4950 3.9308	3.7963 3.8970	3.8229 4.3080	3.7330	3.3894	Ave		3.7966			0.1000	7.4		20.0			
Allyl chloride	++++ 2.7445	3.2309 2.6791	2.9232 2.9191	2.6194	2.3422	Ave		2.7798				10.1		20.0			
Methyl acetate	1.0124 1.0958	1.1761 1.0211	1.2012 1.1132	1.0130	0.9334	Ave		1.0708			0.1000	8.5		20.0			
Methylene Chloride	++++ 1.3953	2.8603 1.3231	2.0383 1.4127	1.5779	1.3278	Lin1	1.3165	1.3533			0.1000				0.9980		0.9900
2-Methyl-2-propanol	++++ 0.1263	0.1189 0.1225	0.1296 0.1348	0.1082	0.1171	Ave		0.1225				7.2		20.0			
Methyl tert-butyl ether	++++ 3.9726	3.5754 3.7576	3.8799 4.0405	3.4564	3.4181	Ave		3.7286			0.1000	6.7		20.0			
trans-1,2-Dichloroethene	++++ 1.3527	1.4406 1.3080	1.3481 1.4245	1.3095	1.1678	Ave		1.3359			0.1000	6.8		20.0			
Acrylonitrile	0.4270 0.5335	0.4795 0.5092	0.5180 0.5505	0.4887	0.4730	Ave		0.4974				7.8		20.0			
Hexane	++++ 2.2832	2.8051 2.2242	2.5198 2.5517	2.2170	1.8778	Ave		2.3541				12.7		20.0			
1,1-Dichloroethane	2.7466 2.6551	2.6502 2.5439	2.5734 2.8136	2.4702	2.3025	Ave		2.5944			0.2000	6.2		20.0			
Vinyl acetate	3.0527 3.5841	3.3966 3.3440	3.5374 3.5988	3.1518	2.9703	Ave		3.3295				7.4		20.0			
2,2-Dichloropropane	2.2865 2.1511	2.3786 2.1043	2.2044 2.2852	2.0110	1.8593	Ave		2.1600				7.8		20.0			
cis-1,2-Dichloroethene	1.4331 1.5841	1.6777 1.4815	1.7774 1.6169	1.4830	1.3576	Ave		1.5514			0.1000	8.9		20.0			
2-Butanone (MEK)	++++ 0.6297	0.6703 0.5881	0.6207 0.6523	0.5532	0.5449	Ave		0.6085			0.1000	7.9		20.0			
Chlorobromomethane	0.7347 0.8140	0.8913 0.7520	0.8508 0.8199	0.7429	0.6740	Ave		0.7850				9.1		20.0			
Tetrahydrofuran	0.4711 0.4204	0.5865 0.3918	0.4696 0.4283	0.4171	0.3923	Ave		0.4472				14.3		20.0			
Chloroform	2.6852 2.4760	3.0478 2.3447	2.6318 2.5376	2.3184	2.1776	Ave		2.5274			0.2000	10.7		20.0			
1,1,1-Trichloroethane	2.0990 2.2324	2.2004 2.1896	2.1684 2.4333	2.0660	1.9451	Ave		2.1668			0.1000	6.5		20.0			
Cyclohexane	2.8619 2.8293	2.5518 2.7920	2.6880 3.1699	2.8582	2.3782	Ave		2.7662			0.1000	8.5		20.0			
Carbon tetrachloride	1.8929 2.1321	2.0827 2.0599	1.9738 2.3402	2.0174	1.7705	Ave		2.0337			0.1000	8.3		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395447
SDG No.: _____
Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/11/2018 15:11 Calibration End Date: 01/11/2018 17:55 Calibration ID: 32575

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	1.5027 1.7785	1.6745 1.7157	1.6411 1.9522	1.6507	1.5328	Ave		1.6810				8.4		20.0			
Benzene	4.3872 5.0816	4.7401 4.8876	4.9817 5.3293	4.9279	4.3807	Ave		4.8395			0.5000	6.8		20.0			
Isobutyl alcohol	++++ 0.0512	0.0532 0.0502	0.0553 0.0541	0.0453	0.0472	Ave		0.0509				7.2		20.0			
1,2-Dichloroethane	++++ 2.3244	2.4220 2.1948	2.4655 2.3619	2.1202	2.0487	Ave		2.2768			0.1000	6.9		20.0			
n-Heptane	3.2333 2.6656	3.3830 2.5454	2.9260 2.9207	2.4061	2.2301	Ave		2.7888				14.3		20.0			
Trichloroethene	1.2615 1.4135	1.4662 1.3862	1.5373 1.5307	1.4574	1.2560	Ave		1.4136			0.2000	7.7		20.0			
Methylcyclohexane	++++ 2.2263	2.6047 2.1941	2.2098 2.5424	2.1707	1.8618	Ave		2.2585			0.1000	11.0		20.0			
1,2-Dichloropropane	1.6636 1.5168	1.7584 1.4627	1.5555 1.5808	1.4061	1.3220	Ave		1.5332			0.1000	9.1		20.0			
1,4-Dioxane	++++ 0.0018	++++ 0.0019	0.0016 0.0019	0.0014	0.0018	Ave		0.0017				11.5		20.0			
Dibromomethane	0.8790 0.9161	0.9846 0.8687	0.9858 0.9426	0.8335	0.8029	Ave		0.9016			0.1000	7.5		20.0			
Bromodichloromethane	++++ 1.9572	1.7356 1.8548	1.8352 2.0389	1.7026	1.6947	Ave		1.8313			0.2000	7.2		20.0			
2-Chloroethyl vinyl ether	1.0092 0.9756	1.1812 0.9320	1.0087 1.0133	0.9036	0.8181	Ave		0.9802				10.7		20.0			
cis-1,3-Dichloropropene	1.8822 2.2418	2.1016 2.1368	2.1255 2.3274	1.9918	1.8671	Ave		2.0843			0.2000	7.8		20.0			
4-Methyl-2-pentanone (MIBK)	++++ 0.3760	0.3284 0.3423	0.3576 0.3602	0.3245	0.3215	Ave		0.3444			0.1000	6.0		20.0			
Toluene	0.7933 0.8731	0.8410 0.8061	0.8434 0.8663	0.7952	0.7472	Ave		0.8207			0.4000	5.2		20.0			
trans-1,3-Dichloropropene	++++ 0.5391	0.4740 0.4987	0.4830 0.5256	0.4770	0.4467	Ave		0.4920			0.1000	6.5		20.0			
Ethyl methacrylate	0.3445 0.4314	0.3377 0.3925	0.3969 0.4112	0.3872	0.3670	Ave		0.3836				8.4		20.0			
1,1,2-Trichloroethane	++++ 0.2528	0.2478 0.2296	0.2533 0.2399	0.2140	0.2149	Ave		0.2360			0.1000	7.1		20.0			
Tetrachloroethene	++++ 0.3878	0.3407 0.3654	0.3664 0.3982	0.3480	0.3335	Ave		0.3629			0.2000	6.6		20.0			
1,3-Dichloropropane	++++ 0.5168	0.4880 0.4685	0.4686 0.4969	0.4506	0.4466	Ave		0.4766				5.3		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395447
SDG No.: _____
Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/11/2018 15:11 Calibration End Date: 01/11/2018 17:55 Calibration ID: 32575

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	++++ 0.2658	0.2371 0.2392	0.2584 0.2505	0.2294	0.2321	Ave		0.2446			0.1000	5.7		20.0			
Dibromochloromethane	0.3702 0.3931	0.3509 0.3707	0.3692 0.3919	0.3292	0.3261	Ave		0.3627			0.1000	7.0		20.0			
1,2-Dibromoethane	0.3067 0.3324	0.3281 0.3085	0.3069 0.3244	0.2904	0.2881	Ave		0.3107				5.3		20.0			
Chlorobenzene	++++ 0.9904	0.9554 0.9302	0.9997 0.9810	0.8915	0.8782	Ave		0.9466			0.5000	5.1		20.0			
Ethylbenzene	1.6724 1.6990	1.6038 1.5681	1.6249 1.6663	1.5252	1.4720	Ave		1.6040			0.1000	4.9		20.0			
1,1,1,2-Tetrachloroethane	++++ 0.3891	0.3745 0.3611	0.3777 0.3832	0.3413	0.3393	Ave		0.3666				5.4		20.0			
m,p-Xylene	++++ 0.6764	0.6853 0.6274	0.6633 0.6657	0.6149	0.5967	Ave		0.6471			0.1000	5.2		20.0			
o-Xylene	++++ 0.6563	0.6308 0.6280	0.6455 0.6615	0.5922	0.5654	Ave		0.6257			0.3000	5.6		20.0			
Styrene	++++ 1.1624	0.9836 1.0918	1.1371 1.1395	1.0401	0.9980	Ave		1.0789			0.3000	6.7		20.0			
Bromoform	++++ 0.2398	0.2100 0.2204	0.2141 0.2442	0.1858	0.1949	Ave		0.2156			0.1000	10.0		20.0			
Isopropylbenzene	++++ 3.1662	3.0095 3.0260	3.0327 3.2343	2.8617	2.8023	Ave		3.0190			0.1000	5.1		20.0			
Bromobenzene	++++ 0.8284	0.7492 0.7921	0.8011 0.8295	0.7469	0.7254	Ave		0.7818				5.3		20.0			
1,1,2,2-Tetrachloroethane	++++ 0.6917	0.6688 0.6347	0.6986 0.6675	0.5845	0.6050	Ave		0.6501			0.3000	6.7		20.0			
N-Propylbenzene	3.3671 3.7096	3.3231 3.5097	3.6539 3.6809	3.3828	3.2499	Ave		3.4846				5.1		20.0			
1,2,3-Trichloropropane	++++ 0.2341	0.2128 0.2143	0.2275 0.2233	0.1964	0.2011	Ave		0.2157				6.4		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.2893	0.3028 0.2793	0.2879 0.2984	0.2715	0.2625	Ave		0.2845				5.1		20.0			
2-Chlorotoluene	++++ 0.7568	0.7009 0.7115	0.7087 0.7543	0.6824	0.6422	Ave		0.7081				5.6		20.0			
1,3,5-Trimethylbenzene	++++ 2.7345	2.6670 2.6319	2.6618 2.7635	2.5416	2.4301	Ave		2.6329				4.4		20.0			
4-Chlorotoluene	2.2738 2.3396	2.4530 2.2116	2.2111 2.3095	2.1955	2.0736	Ave		2.2585				5.0		20.0			
tert-Butylbenzene	++++ 0.6072	0.5543 0.5846	0.6222 0.6235	0.5681	0.5193	Ave		0.5827				6.6		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: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395447
SDG No.: _____
Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/11/2018 15:11 Calibration End Date: 01/11/2018 17:55 Calibration ID: 32575

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	++++ 2.9169	2.7537 2.7148	2.8072 2.8528	2.5971	2.5264	Ave		2.7384				5.1		20.0			
sec-Butylbenzene	++++ 3.4332	2.9921 3.3105	3.3052 3.5161	3.1670	2.9909	Ave		3.2450				6.3		20.0			
4-Isopropyltoluene	++++ 3.0849	2.7418 2.9480	2.9089 3.1000	2.7737	2.6757	Ave		2.8904				5.8		20.0			
1,3-Dichlorobenzene	++++ 1.6235	1.3949 1.5103	1.5404 1.6005	1.4816	1.4488	Ave		1.5143			0.6000	5.4		20.0			
1,4-Dichlorobenzene	++++ 1.6425	1.5512 1.5484	1.6030 1.6324	1.4805	1.4393	Ave		1.5568			0.5000	4.9		20.0			
n-Butylbenzene	++++ 2.7195	2.5903 2.5752	2.7004 2.7504	2.4795	2.3535	Ave		2.5955				5.5		20.0			
1,2-Dichlorobenzene	++++ 1.5615	1.4458 1.4680	1.3864 1.5367	1.4045	1.3624	Ave		1.4522			0.4000	5.2		20.0			
1,2-Dibromo-3-Chloropropane	0.1171 0.1359	0.1262 0.1324	0.1329 0.1369	0.1125	0.1237	Ave		0.1272			0.0500	7.0		20.0			
1,2,4-Trichlorobenzene	++++ 1.1082	1.0828 1.0425	1.0368 1.1254	1.0072	0.9511	Ave		1.0506			0.2000	5.8		20.0			
Hexachlorobutadiene	++++ 0.5406	0.4849 0.5133	0.5550 0.5657	0.4689	0.4543	Ave		0.5118				8.5		20.0			
Naphthalene	++++ 2.7090	2.4182 2.5422	2.5555 2.6857	2.2965	2.2855	Ave		2.4989				6.9		20.0			
1,2,3-Trichlorobenzene	++++ 1.0369	0.9663 1.0013	0.9674 1.0302	0.8935	0.9302	Ave		0.9751				5.4		20.0			
Dibromofluoromethane (Surr)	1.2750 1.2565	1.2816 1.3023	1.2645 1.3364	1.2864	1.2273	Ave		1.2787				2.5		20.0			
1,2-Dichloroethane-d4 (Surr)	1.5978 1.5659	1.6040 1.6325	1.5840 1.6234	1.5877	1.5520	Ave		1.5934				1.7		20.0			
Toluene-d8 (Surr)	1.1019 1.1298	1.1246 1.1423	1.1336 1.1367	1.1216	1.1480	Ave		1.1298				1.3		20.0			
4-Bromofluorobenzene (Surr)	0.3549 0.3704	0.3663 0.3687	0.3617 0.3621	0.3672	0.3616	Ave		0.3641				1.4		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395447

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/11/2018 15:11 Calibration End Date: 01/11/2018 17:55 Calibration ID: 32575

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-395447/8	T3806.D
Level 2	IC 480-395447/9	T3807.D
Level 3	IC 480-395447/10	T3808.D
Level 4	IC 480-395447/11	T3809.D
Level 5	IC 480-395447/12	T3810.D
Level 6	ICIS 480-395447/13	T3811.D
Level 7	IC 480-395447/14	T3812.D
Level 8	IC 480-395447/15	T3813.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	++++ 225354	10571 483904	21976 1022809	43336	100530	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	5632 302667	11856 617911	25656 1290468	53120	132249	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	++++ 248678	11654 526665	22833 1103366	48226	114780	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	++++ 254277	11063 538338	20208 1134274	45760	116548	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	2639 136352	6596 303132	13048 637282	27097	63086	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	2686 135189	6560 270601	12359 586348	29450	57576	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	5959 299649	14249 641437	24643 1373011	56141	139866	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	5778 310603	16564 661362	31584 1371173	60605	145329	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	++++ 188563	7978 347934	16407 720053	34879	68051	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	++++ 175470	7388 302891	13893 662415	30120	56065	++++ 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	++++ 168767	6992 313441	14415 702436	34376	57655	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2625 185653	6164 357111	13375 805625	34657	63705	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	++++ 319041	15258 582839	31375 1272063	60760	117122	++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	5367 350777	12318 651122	27251 1400444	63166	120196	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	8187 571833	21687 1092307	44359 2386951	105710	198434	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: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395447

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/11/2018 15:11 Calibration End Date: 01/11/2018 17:55 Calibration ID: 32575

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	++++ 399248	18457 750940	33919 1617401	74174	137127	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	4743 318821	13437 572427	27876 1233603	57369	109299	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	++++ 202973	16340 370853	23651 782745	44682	77738	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	++++ 183696	6794 343366	15035 747107	30642	68566	++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	++++ 577917	20425 1053229	45020 2238717	97877	200119	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	++++ 196778	8230 366611	15643 789276	37083	68368	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	10003 776158	27392 1427317	60103 3049945	138400	276941	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	++++ 332144	16025 623414	29238 1413846	62779	109935	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	6434 386255	15140 713045	29860 1558917	69950	134801	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	14302 1042779	38808 1874584	82093 3988010	178502	347795	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	5356 312930	13588 589814	25579 1266171	56948	108852	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	3357 230439	9584 415251	20624 895875	41995	79481	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	++++ 458012	19145 824201	36012 1807217	78332	159515	++++ 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	1721 118419	5092 210791	9872 454294	21036	39460	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	2207 122327	6701 219643	10899 474607	23625	45936	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	6290 360192	17411 657198	30538 1406034	65652	127490	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	4917 324754	12570 613719	25161 1348217	58503	113875	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	6704 411584	14578 782563	31190 1756353	80938	139236	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	4434 310160	11898 577361	22903 1296665	57127	103657	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	3520 258726	9566 480904	19042 1081671	46743	89740	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	10277 739237	27079 1369946	57805 2952819	139547	256473	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: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395447

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/11/2018 15:11 Calibration End Date: 01/11/2018 17:55 Calibration ID: 32575

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	++++ 186033	7593 351660	16034 749129	32064	69028	++++ 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	++++ 338144	13836 615188	28608 1308658	60038	119941	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	7574 387782	19326 713461	33952 1618261	68136	130563	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	2955 205621	8376 388527	17838 848111	41269	73535	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	++++ 323866	14880 614991	25642 1408665	61469	109001	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3897 220657	10045 409988	18049 875864	39816	77399	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	++++ 20458	++++ 42397	1423 87102	3197	8138	++++ 500	++++ 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	2059 133263	5625 243502	11439 522247	23603	47005	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	++++ 284726	9915 519873	21295 1129710	48213	99216	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	2364 141926	6748 261244	11705 561452	25588	47894	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	4409 326125	12006 598919	24663 1289553	56403	109310	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	++++ 1068661	37804 1928765	81102 4119497	185094	366003	++++ 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	7550 496314	19361 908557	38256 1981466	90706	170125	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	++++ 306445	10913 562033	21909 1202226	54408	101711	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	3279 245252	7774 442383	18004 940584	44165	83549	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	++++ 143677	5705 258736	11490 548626	24411	48925	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	++++ 220418	7844 411857	16621 910804	39696	75931	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	++++ 293796	11235 528015	21254 1136561	51397	101670	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	++++ 755564	27286 1348002	58614 2864388	130816	264223	++++ 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	3523 223470	8077 417741	16748 896424	37547	74246	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	2919 188931	7554 347733	13919 742068	33121	65587	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: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395447

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/11/2018 15:11 Calibration End Date: 01/11/2018 17:55 Calibration ID: 32575

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	++++ 562986	21995 1048406	45345 2243961	101695	199950	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	15917 965790	36921 1767272	73706 3811483	173977	335141	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	++++ 221170	8621 407019	17134 876582	38933	77258	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	++++ 384512	15776 707108	30085 1522672	70137	135851	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	++++ 373041	14522 707803	29280 1512985	67557	128721	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	++++ 660778	22644 1230533	51577 2606326	118644	227223	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	++++ 136290	4834 248449	9713 558652	21196	44379	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	++++ 990964	37297 1841939	76390 3987992	175748	344805	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	++++ 259282	9285 482161	20178 1022782	45868	89250	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	++++ 216486	8289 386315	17596 823016	35899	74435	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	17189 1161052	41184 2136390	92038 4538617	207746	399874	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	++++ 73272	2637 130460	5731 275391	12062	24745	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	++++ 90551	3753 169987	7253 367967	16675	32293	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	++++ 236859	8686 433091	17852 930061	41910	79018	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	++++ 855869	33053 1602053	67047 3407426	156087	298998	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	11608 732249	30401 1346213	55696 2847702	134831	255144	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	++++ 190033	6869 355853	15673 768753	34890	63895	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	++++ 912956	34127 1652506	70711 3517602	159497	310857	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	++++ 1074542	37082 2015132	83254 4335464	194498	368004	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	++++ 965531	33980 1794437	73271 3822372	170342	329226	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	++++ 508124	17287 919351	38800 1973513	90991	178262	++++ 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: TestAmerica Buffalo Job No.: 480-129995-1 Analy Batch No.: 395447

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/11/2018 15:11 Calibration End Date: 01/11/2018 17:55 Calibration ID: 32575

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	++++ 514086	19224 942527	40379 2012771	90924	177096	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	++++ 851173	32102 1567512	68019 3391325	152273	289580	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	++++ 488722	17918 893599	34922 1894746	86257	167635	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	598 42547	1564 80593	3347 168829	6912	15219	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	++++ 346836	13419 634581	26115 1387647	61858	117025	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	++++ 169193	6010 312475	13979 697558	28796	55892	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	++++ 847877	29969 1547457	64371 3311506	141037	281214	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	++++ 324531	11975 609513	24367 1270313	54875	114459	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	186672 182784	183036 182511	183402 185109	182140	179638	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	233931 227803	229087 228788	229748 224870	224805	227157	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	655430 642245	647229 643735	642765 649998	639725	653439	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	211085 210557	210830 207752	205078 207052	209425	205839	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\HP5975T\20180111-68520.b\T3806.D
 Lims ID: IC 0.4
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 11-Jan-2018 15:11:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.4
 Misc. Info.: 480-0068520-008
 Operator ID: RR Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Jan-2018 09:46:00 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: reiler

Date: 12-Jan-2018 13:01:53

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	4.869	4.869	0.000	98	146406	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	88	594828	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	96	319065	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.403	4.403	0.000	92	186672	25.0	24.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.652	4.652	0.000	0	233931	25.0	25.1	
\$ 6 Toluene-d8 (Surr)	98	6.040	6.040	0.000	94	655430	25.0	24.4	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.000	87	211085	25.0	24.4	
11 Dichlorodifluoromethane	85	1.242	1.232	0.010	35	2850	0.4000	0.2812	M
13 Chloromethane	50	1.398	1.398	0.000	94	5632	0.4000	0.4412	M
14 Vinyl chloride	62	1.481	1.481	0.000	19	5606	0.4000	0.5057	M
151 Butadiene	54	1.470	1.481	-0.011	34	6241	0.4000	0.5738	M
15 Bromomethane	94	1.771	1.771	0.000	68	2639	0.4000	0.4187	M
16 Chloroethane	64	1.843	1.843	0.000	40	2686	0.4000	0.4401	M
17 Trichlorofluoromethane	101	2.020	2.051	-0.031	54	5959	0.4000	0.4434	M
18 Dichlorofluoromethane	67	2.051	2.061	-0.010	49	5778	0.4000	0.4011	M
19 Ethyl ether	59	2.299	2.299	0.000	58	3521	0.4000	0.4655	M
21 Acrolein	56	2.476	2.475	0.001	65	3596	2.00	2.69	M
22 1,1-Dichloroethene	96	2.507	2.507	0.000	92	3200	0.4000	0.4658	M
20 1,1,2-Trichloro-1,2,2-trif	101	2.496	2.517	-0.021	1	2625	0.4000	0.3709	M
23 Acetone	43	2.621	2.621	0.000	74	7779	2.00	2.89	M
24 Iodomethane	142	2.683	2.662	0.021	92	5367	0.4000	0.3997	M
25 Carbon disulfide	76	2.693	2.693	0.000	83	8187	0.4000	0.3682	
27 3-Chloro-1-propene	41	2.849	2.849	0.000	86	6448	0.4000	0.3961	
28 Methyl acetate	43	2.890	2.890	0.000	76	4743	0.8000	0.7564	
30 Methylene Chloride	84	2.983	2.983	0.000	93	12000	0.4000	0.5413	M
31 2-Methyl-2-propanol	59	3.160	3.139	0.021	30	1864	4.00	2.60	
33 Methyl tert-butyl ether	73	3.170	3.170	0.000	88	7693	0.4000	0.3523	
32 trans-1,2-Dichloroethene	96	3.191	3.180	0.011	94	3911	0.4000	0.4999	M
34 Acrylonitrile	53	3.242	3.242	0.000	95	10003	4.00	3.43	
35 Hexane	57	3.346	3.346	0.000	86	5487	0.4000	0.3980	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	3.553	3.553	0.000	93	6434	0.4000	0.4235	
39 Vinyl acetate	43	3.595	3.584	0.011	97	14302	0.8000	0.7335	
42 2,2-Dichloropropane	77	3.999	3.988	0.011	45	5356	0.4000	0.4234	
43 cis-1,2-Dichloroethene	96	4.020	4.020	0.000	51	3357	0.4000	0.3695	M
44 2-Butanone (MEK)	43	4.051	4.040	0.011	76	6395	2.00	1.79	
47 Chlorobromomethane	128	4.217	4.216	0.001	90	1721	0.4000	0.3744	M
48 Tetrahydrofuran	42	4.227	4.227	0.000	48	2207	0.8000	0.8428	M
50 Chloroform	83	4.279	4.279	0.000	95	6290	0.4000	0.4250	M
51 1,1,1-Trichloroethane	97	4.372	4.372	0.000	86	4917	0.4000	0.3875	M
52 Cyclohexane	56	4.372	4.372	0.000	95	6704	0.4000	0.4138	M
54 1,1-Dichloropropene	75	4.486	4.486	0.000	86	3520	0.4000	0.3576	
53 Carbon tetrachloride	117	4.486	4.486	0.000	79	4434	0.4000	0.3723	
55 Benzene	78	4.652	4.652	0.000	42	10277	0.4000	0.3626	
56 Isobutyl alcohol	43	4.673	4.662	0.011	29	3795	10.0	12.7	M
57 1,2-Dichloroethane	62	4.714	4.714	0.000	94	4769	0.4000	0.3577	
59 n-Heptane	43	4.787	4.786	0.001	92	7574	0.4000	0.4638	
60 Trichloroethene	95	5.139	5.139	0.000	91	2955	0.4000	0.3570	
62 Methylcyclohexane	83	5.232	5.232	0.000	92	3787	0.4000	0.2863	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	88	3897	0.4000	0.4340	
66 1,4-Dioxane	88		5.439				ND	ND	
65 Dibromomethane	93	5.439	5.439	0.000	88	2059	0.4000	0.3899	
67 Dichlorobromomethane	83	5.553	5.553	0.000	92	5687	0.4000	0.5303	M
69 2-Chloroethyl vinyl ether	63	5.761	5.761	0.000	54	2364	0.4000	0.4118	
71 cis-1,3-Dichloropropene	75	5.875	5.875	0.000	86	4409	0.4000	0.3612	
72 4-Methyl-2-pentanone (MIBK)	43	5.978	5.978	0.000	96	13160	2.00	1.61	
73 Toluene	92	6.092	6.092	0.000	98	7550	0.4000	0.3866	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	1	3937	0.4000	0.3363	M
77 Ethyl methacrylate	69	6.331	6.331	0.001	90	3279	0.4000	0.3593	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	83	2280	0.4000	0.4060	
79 Tetrachloroethene	166	6.496	6.496	0.000	88	2805	0.4000	0.3249	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	1	3714	0.4000	0.3275	M
81 2-Hexanone	43	6.621	6.610	0.011	96	8902	2.00	1.53	M
82 Chlorodibromomethane	129	6.756	6.755	0.001	82	3523	0.4000	0.4083	
83 Ethylene Dibromide	107	6.838	6.838	0.000	89	2919	0.4000	0.3949	
86 Chlorobenzene	112	7.191	7.191	0.000	95	7671	0.4000	0.3406	
88 Ethylbenzene	91	7.253	7.253	0.000	98	15917	0.4000	0.4171	
89 1,1,1,2-Tetrachloroethane	131	7.263	7.263	0.000	81	3271	0.4000	0.3750	
90 m-Xylene & p-Xylene	106	7.336	7.346	-0.010	0	5895	0.4000	0.3829	M
91 o-Xylene	106	7.657	7.667	-0.010	96	5184	0.4000	0.3482	
92 Styrene	104	7.688	7.688	0.000	93	9062	0.4000	0.3530	M
93 Bromoform	173	7.885	7.885	0.000	78	1488	0.4000	0.2901	
95 Isopropylbenzene	105	7.947	7.947	0.000	96	14371	0.4000	0.3730	
97 Bromobenzene	156	8.227	8.227	0.000	93	2886	0.4000	0.2892	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	45	5224	0.4000	0.6296	M
99 N-Propylbenzene	91	8.279	8.279	0.000	98	17189	0.4000	0.3865	
101 trans-1,4-Dichloro-2-buten	53	8.289	8.289	0.000	36	1662	0.4000	0.4577	M
100 1,2,3-Trichloropropane	110	8.279	8.289	-0.010	47	1237	0.4000	0.4494	
105 2-Chlorotoluene	126	8.362	8.362	0.000	88	2886	0.4000	0.3193	
104 1,3,5-Trimethylbenzene	105	8.414	8.413	0.001	94	10911	0.4000	0.3247	
102 4-Chlorotoluene	91	8.455	8.455	0.000	98	11608	0.4000	0.4027	
106 tert-Butylbenzene	134	8.673	8.673	0.000	94	2455	0.4000	0.3301	
107 1,2,4-Trimethylbenzene	105	8.725	8.724	0.000	96	11729	0.4000	0.3356	

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	8.849	8.849	0.000	93	13953	0.4000	0.3369	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	12712	0.4000	0.3446	
110 1,3-Dichlorobenzene	146	8.984	8.983	0.001	90	5975	0.4000	0.3092	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	89	6004	0.4000	0.3022	
115 n-Butylbenzene	91	9.305	9.305	0.000	94	15524	0.4000	0.4686	
116 1,2-Dichlorobenzene	146	9.367	9.367	0.000	94	5558	0.4000	0.2999	
117 1,2-Dibromo-3-Chloropropan	75	10.051	10.040	0.011	1	598	0.4000	0.3683	
119 1,2,4-Trichlorobenzene	180	10.693	10.693	0.000	92	4101	0.4000	0.3059	
120 Hexachlorobutadiene	225	10.797	10.787	0.010	83	2028	0.4000	0.3105	
121 Naphthalene	128	10.901	10.901	0.000	96	10727	0.4000	0.3363	
122 1,2,3-Trichlorobenzene	180	11.098	11.098	0.000	59	3927	0.4000	0.3155	
S 125 Total BTEX	1				0			1.90	
S 126 Xylenes, Total	1				0			0.7311	
S 123 1,3-Dichloropropene, Total	1				0			0.6975	
S 124 1,2-Dichloroethene, Total	1				0			0.8694	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00118

Amount Added: 0.40

Units: uL

GAS CORP mix_00259

Amount Added: 0.40

Units: uL

T_8260_IS_00184

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00165

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: IC 0.4

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

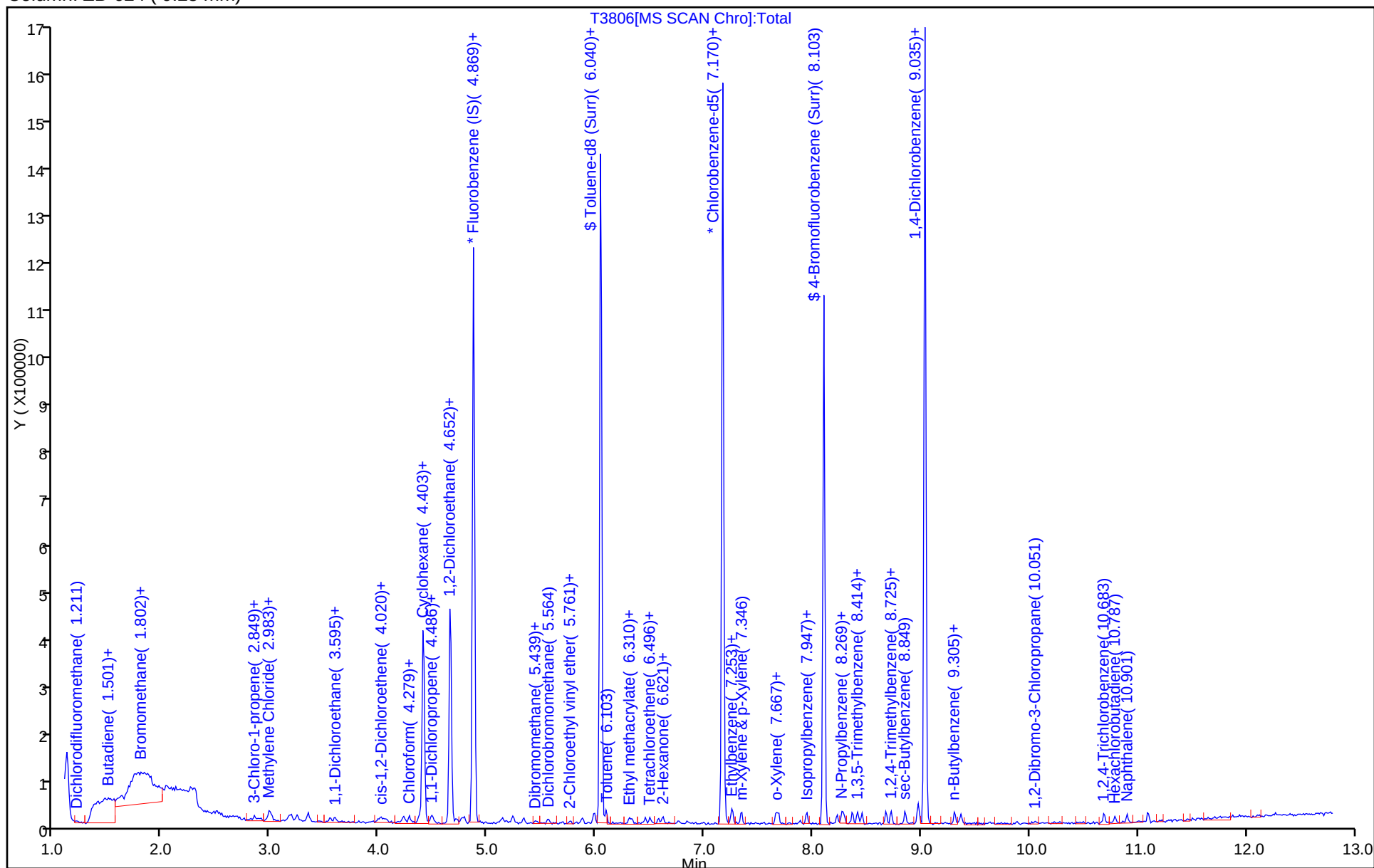
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

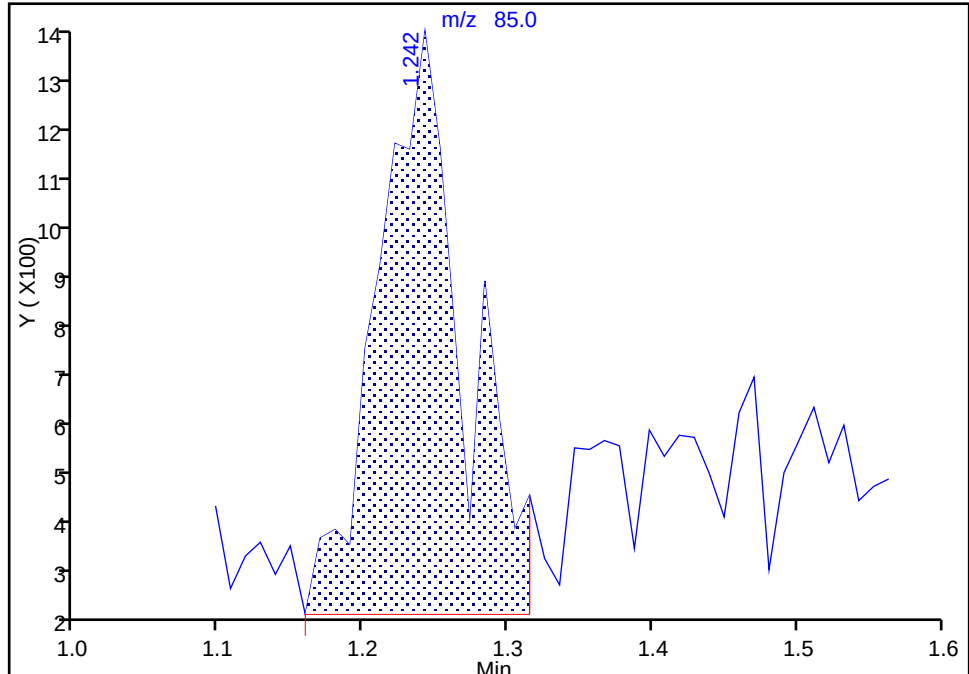
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D
Injection Date: 11-Jan-2018 15:11:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RR ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

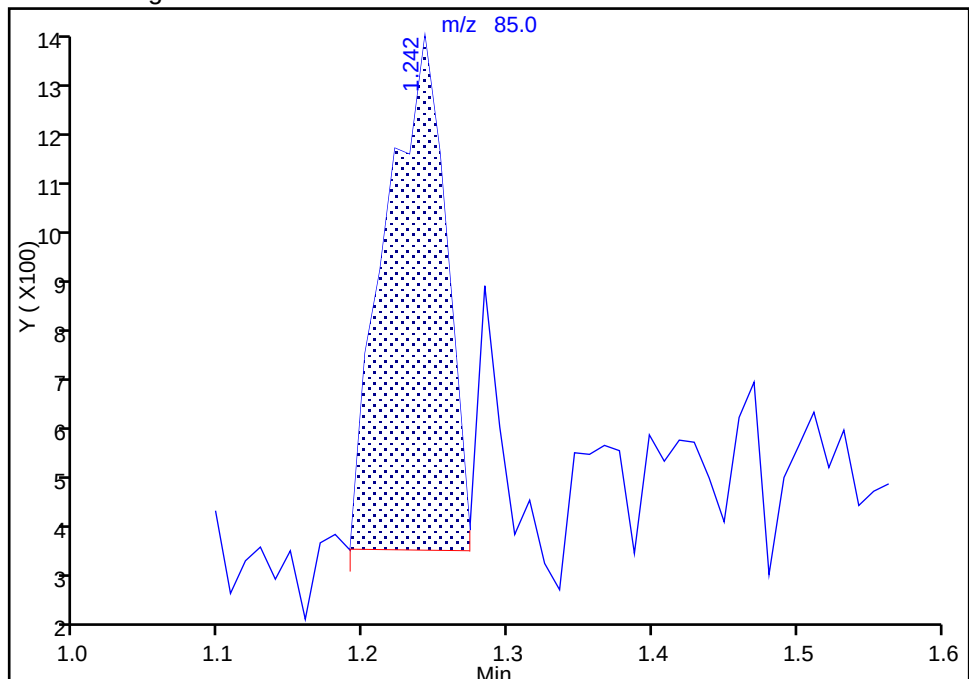
RT: 1.24
Area: 4638
Amount: 0.460402
Amount Units: ug/L

Processing Integration Results



RT: 1.24
Area: 2850
Amount: 0.281229
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:15:27
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
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01/22/2018

TestAmerica Buffalo

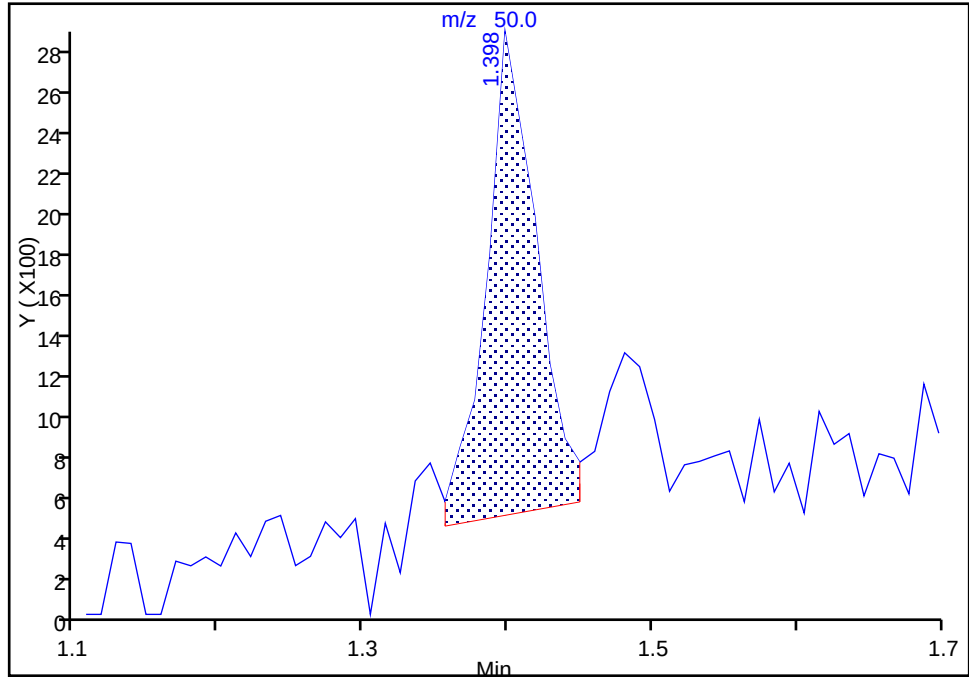
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D
Injection Date: 11-Jan-2018 15:11:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RR ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

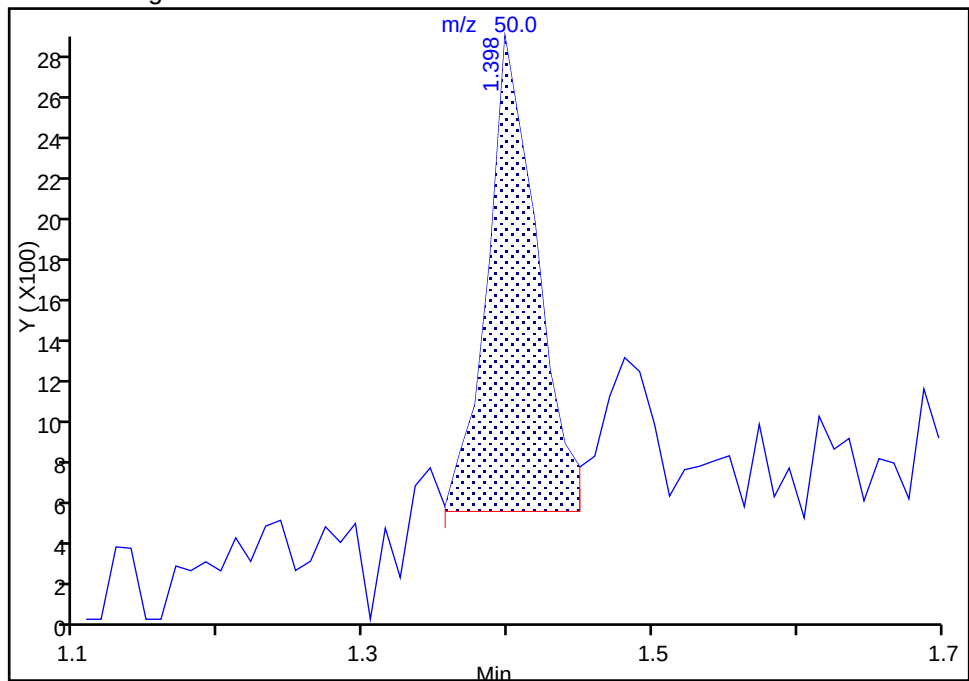
RT: 1.40
Area: 5862
Amount: 0.458050
Amount Units: ug/L

Processing Integration Results



RT: 1.40
Area: 5632
Amount: 0.441161
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:15:35
Audit Action: Manually Integrated

Audit Reason: Poor chromatography
Page 560 of 861

01/22/2018

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#: 8 Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

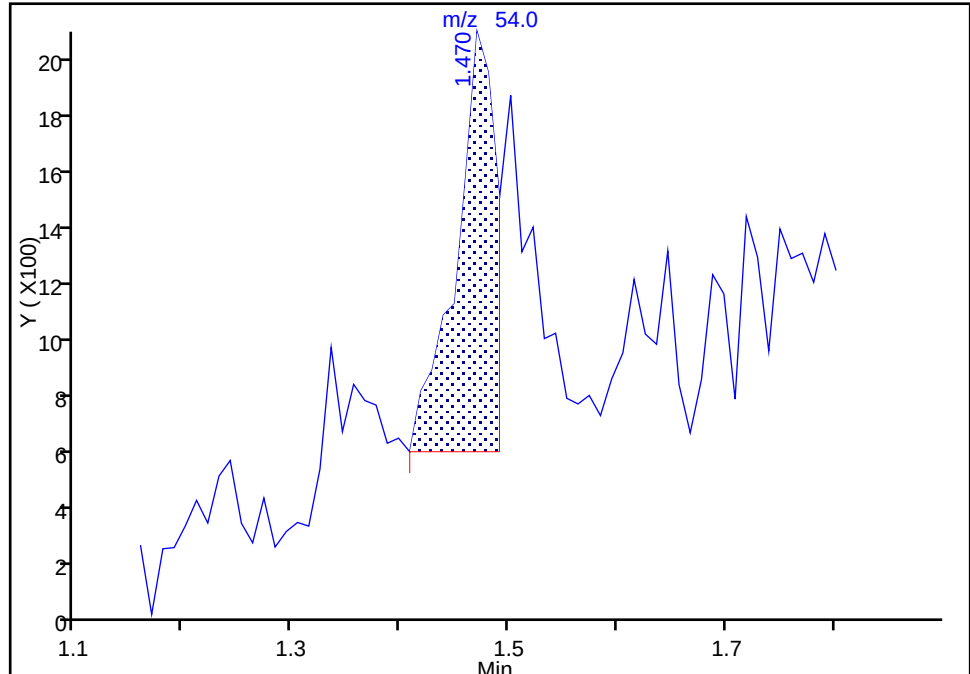
Detector: MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

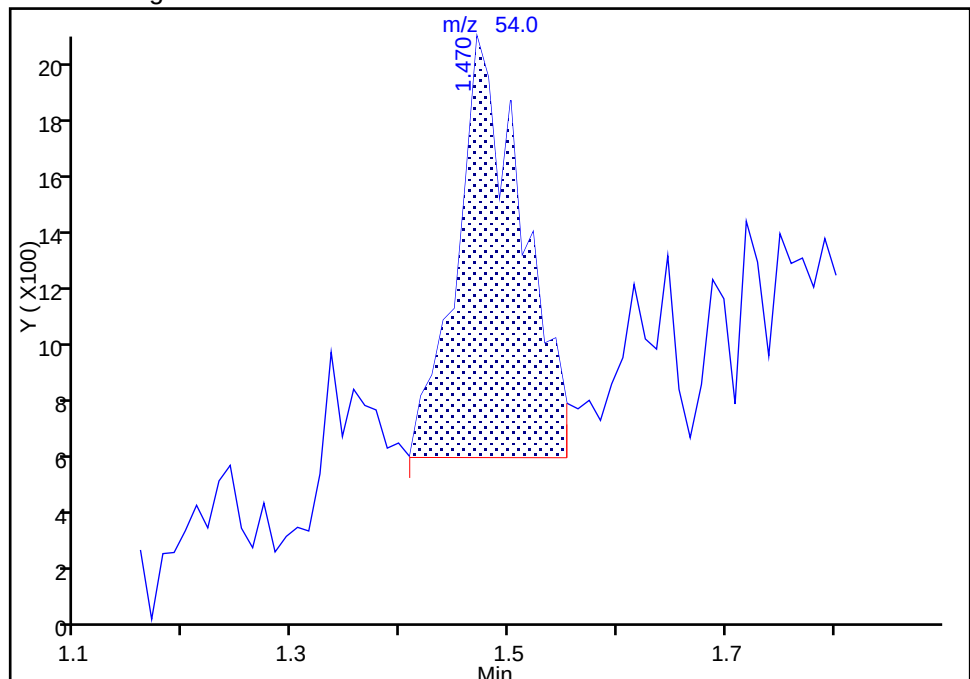
RT: 1.47
Area: 3865
Amount: 0.355361
Amount Units: ug/L

Processing Integration Results



RT: 1.47
Area: 6241
Amount: 0.573818
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:16:06

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

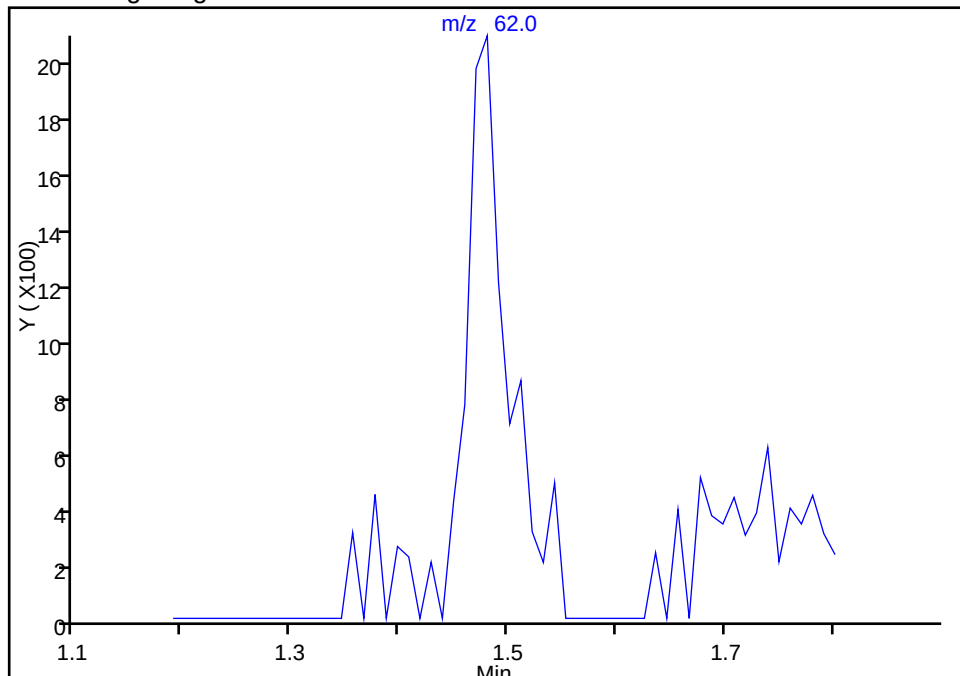
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D
Injection Date: 11-Jan-2018 15:11:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RR ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

Signal: 1

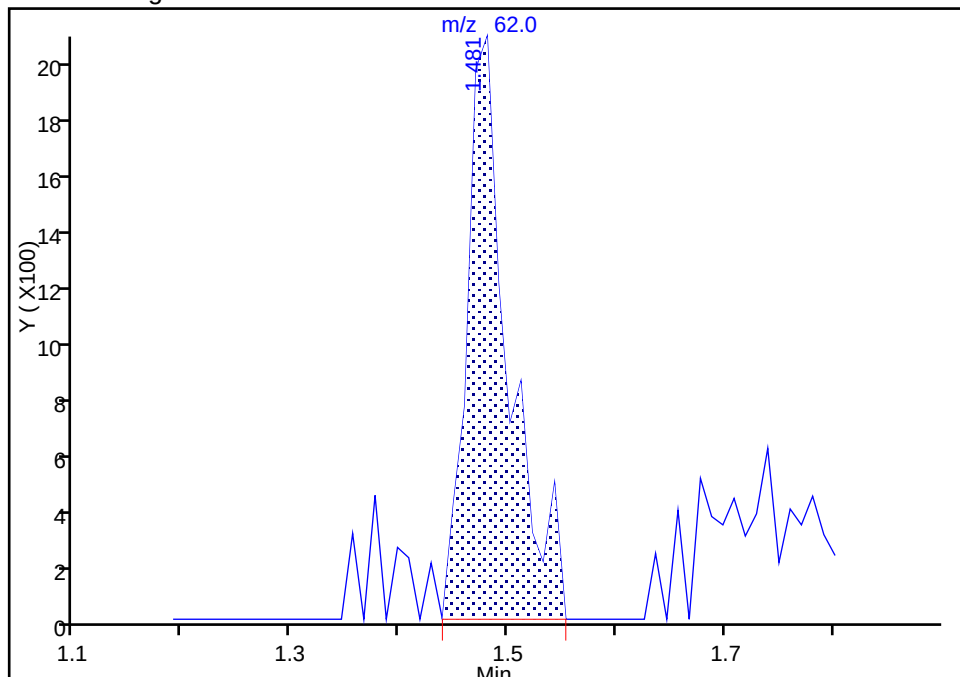
Not Detected
Expected RT: 1.48

Processing Integration Results



RT: 1.48
Area: 5606
Amount: 0.505685
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:15:38
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

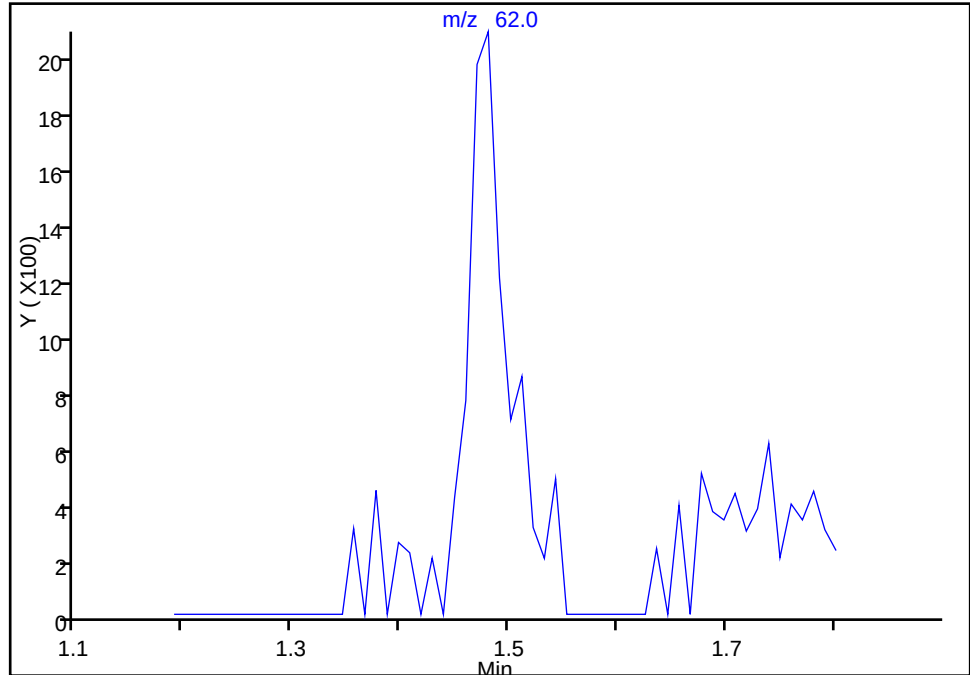
14 Vinyl chloride, CAS: 75-01-4

Signal: 1

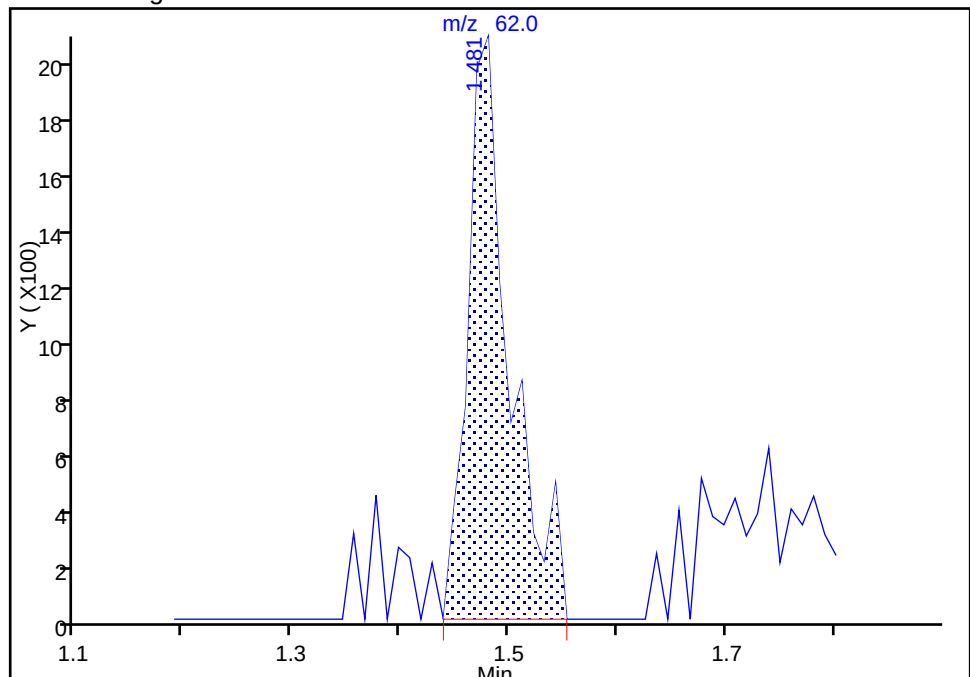
Not Detected

Expected RT: 1.48

Processing Integration Results



Manual Integration Results



RT: 1.48

Area: 5606

Amount: 0.505685

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:15:45

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

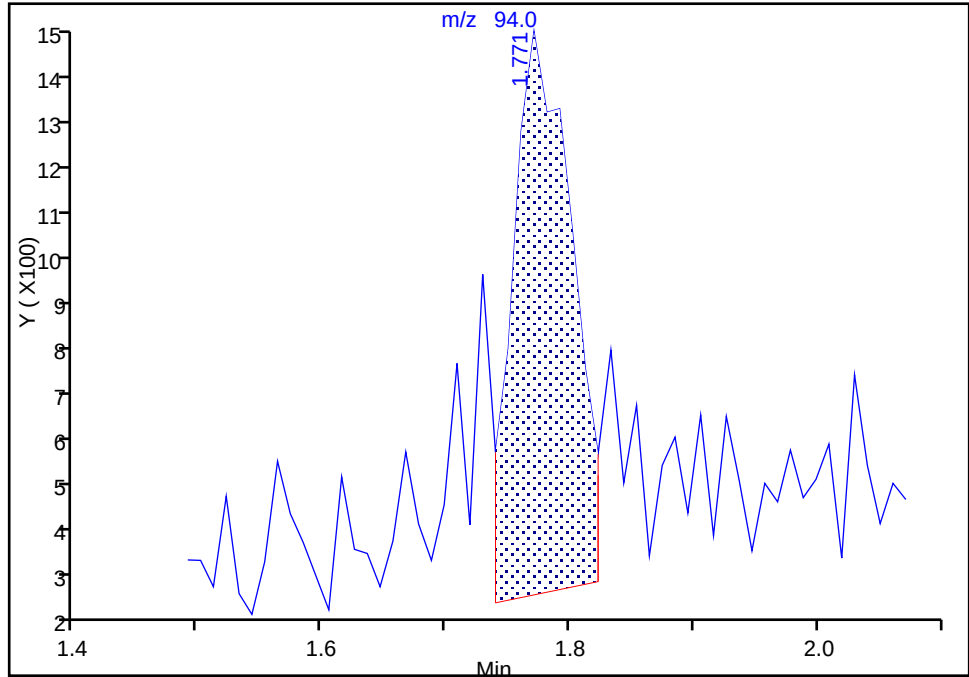
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D
Injection Date: 11-Jan-2018 15:11:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RR ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

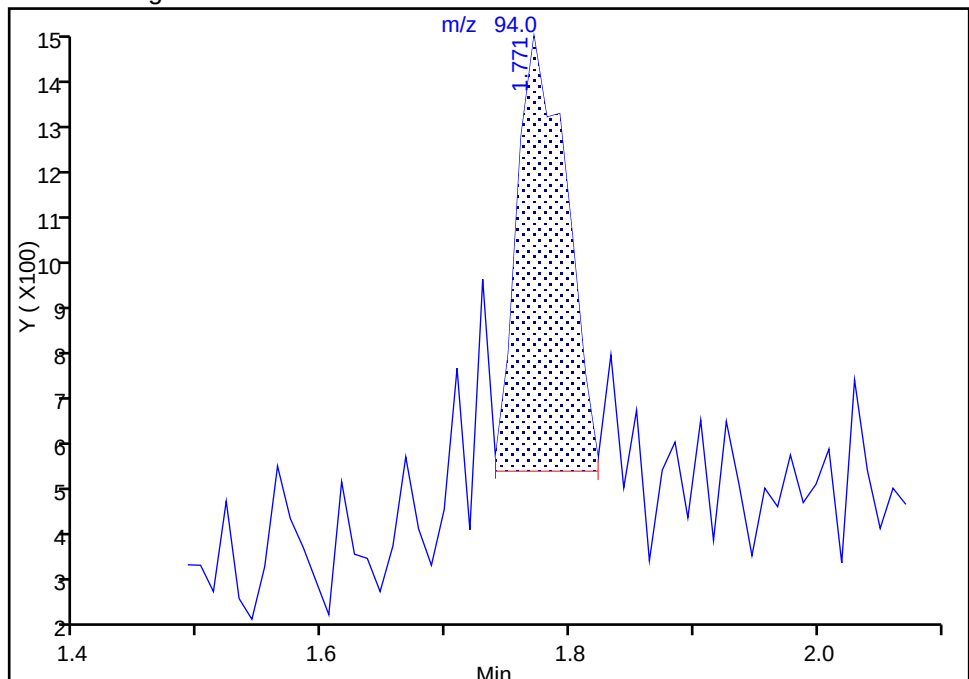
RT: 1.77
Area: 4167
Amount: 0.463707
Amount Units: ug/L

Processing Integration Results



RT: 1.77
Area: 2639
Amount: 0.418749
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:16:25
Audit Action: Manually Integrated

Audit Reason: Baseline
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01/22/2018

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#: 8 Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

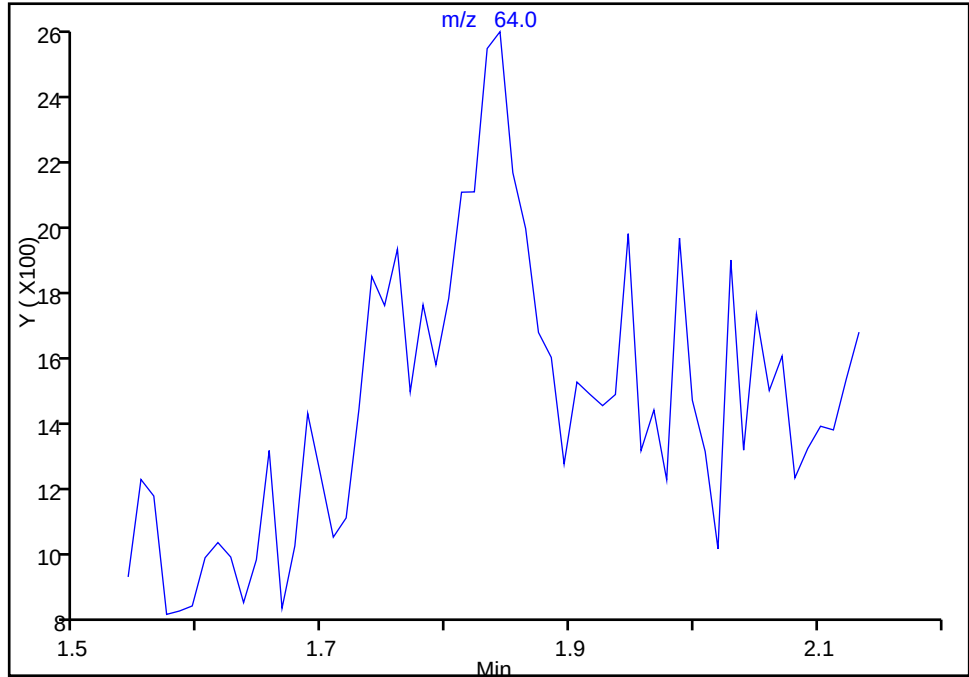
16 Chloroethane, CAS: 75-00-3

Signal: 1

Not Detected

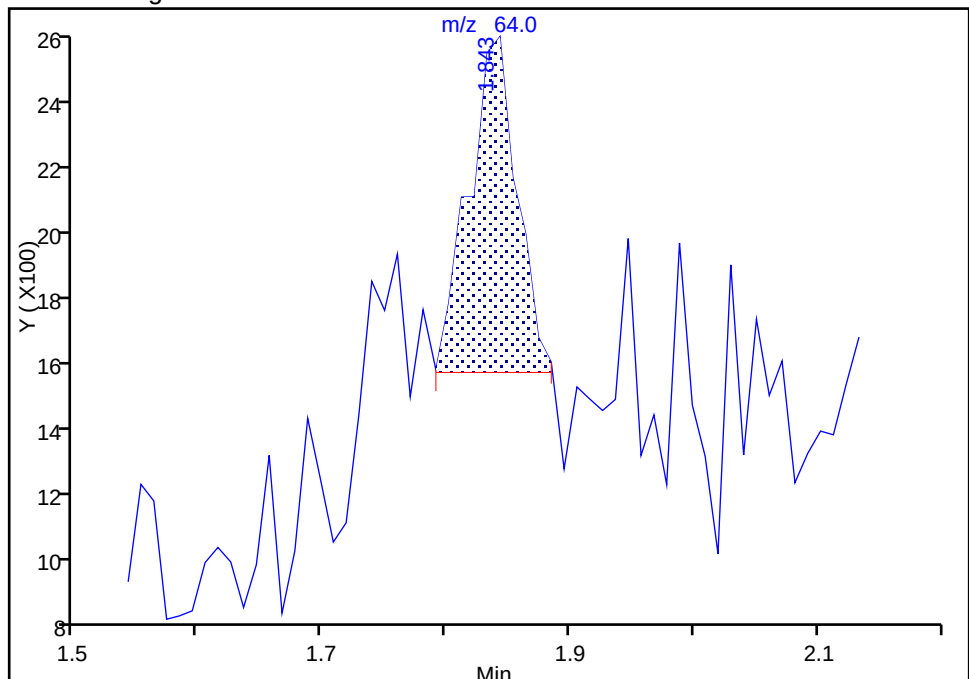
Expected RT: 1.84

Processing Integration Results



RT: 1.84
Area: 2686
Amount: 0.440145
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:16:28

Audit Action: Assigned Compound ID

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

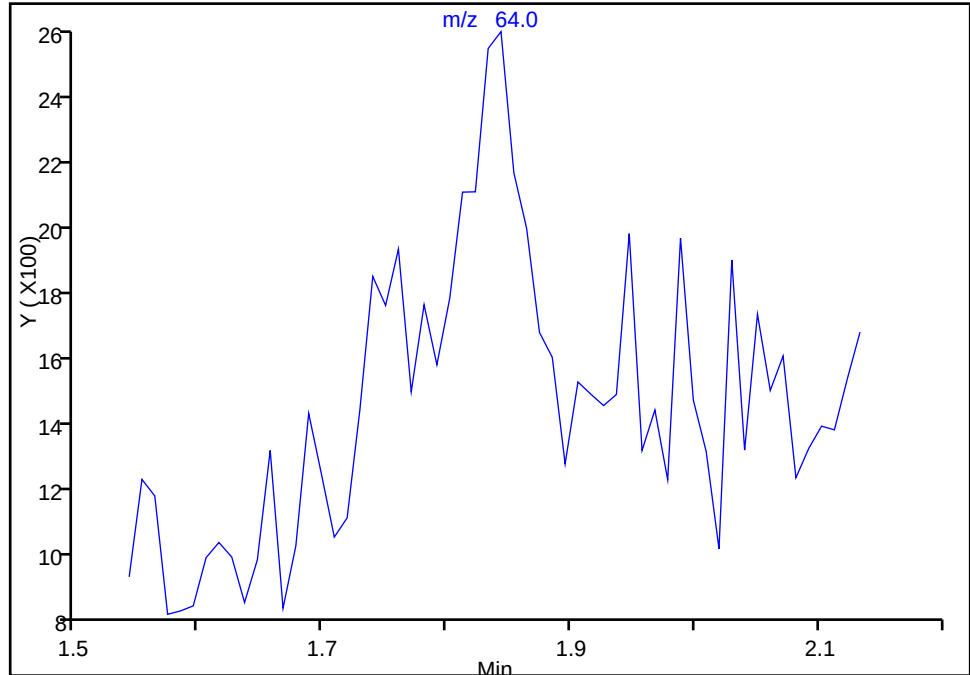
16 Chloroethane, CAS: 75-00-3

Signal: 1

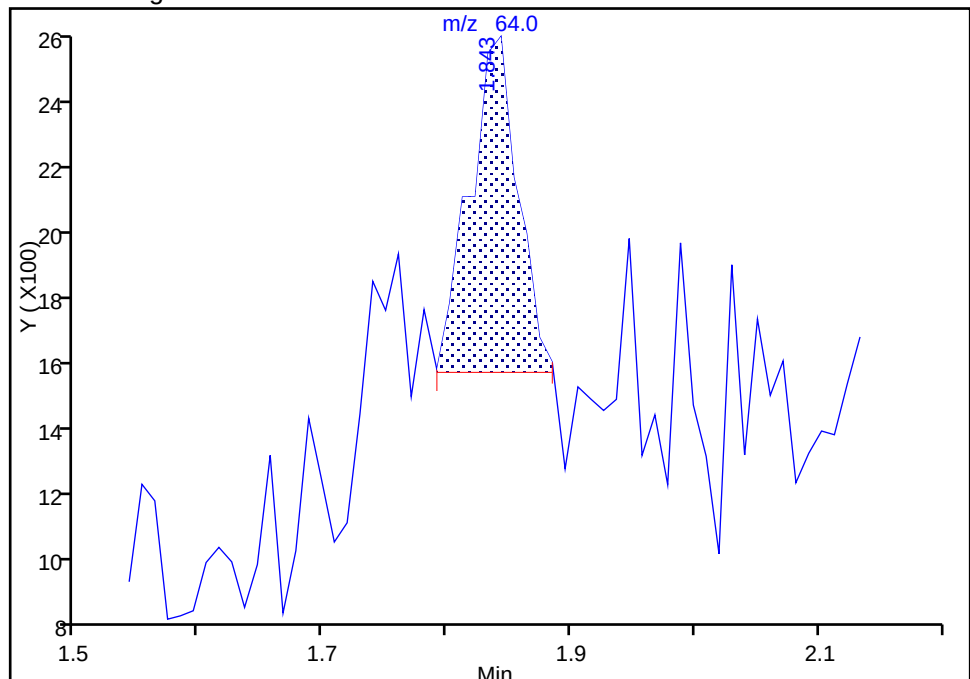
Not Detected

Expected RT: 1.84

Processing Integration Results



Manual Integration Results



RT: 1.84

Area: 2686

Amount: 0.440145

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:44:32

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

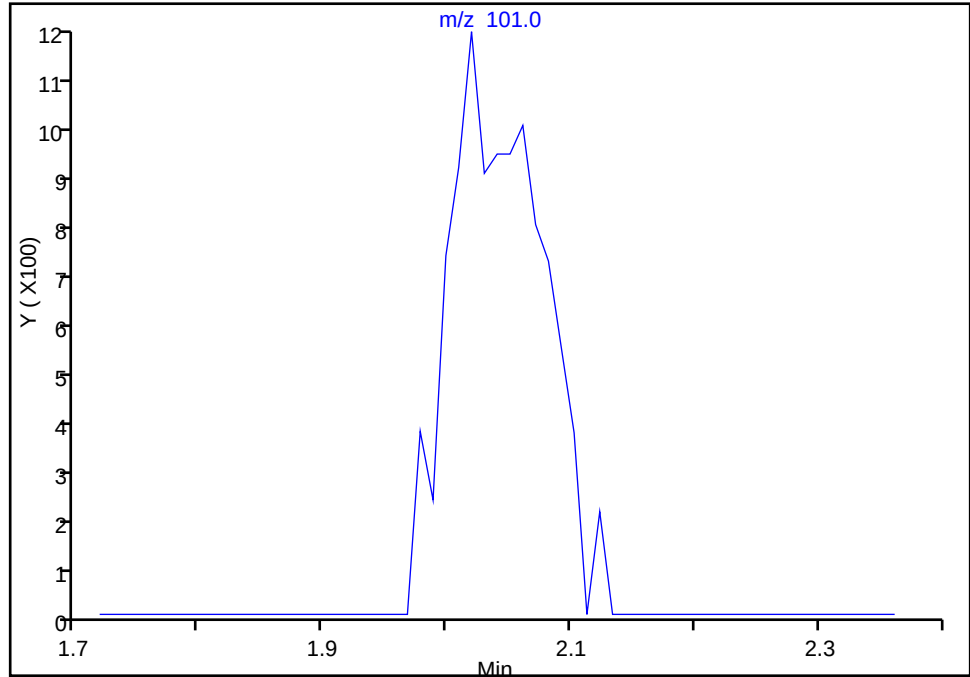
17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

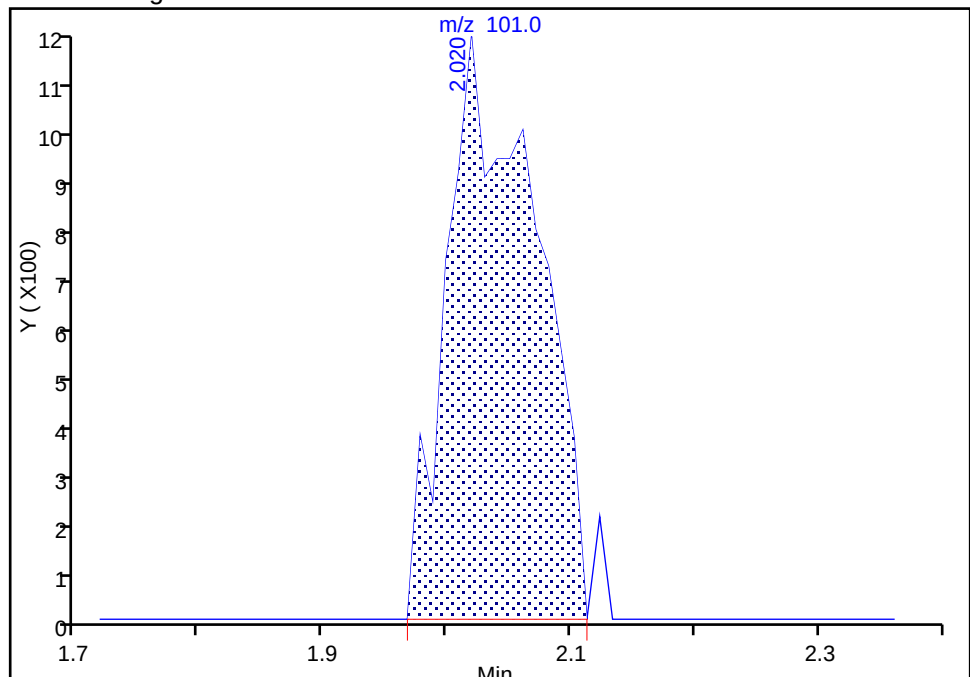
Not Detected

Expected RT: 2.05

Processing Integration Results



Manual Integration Results



RT: 2.02

Area: 5959

Amount: 0.443382

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:16:50

Audit Action: Assigned Compound ID

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

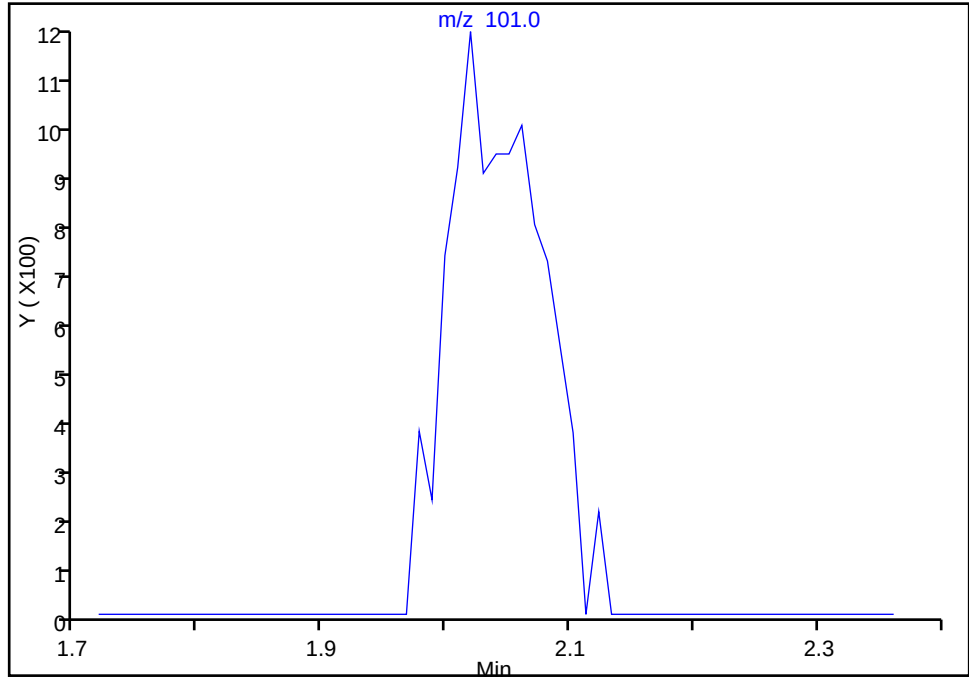
17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

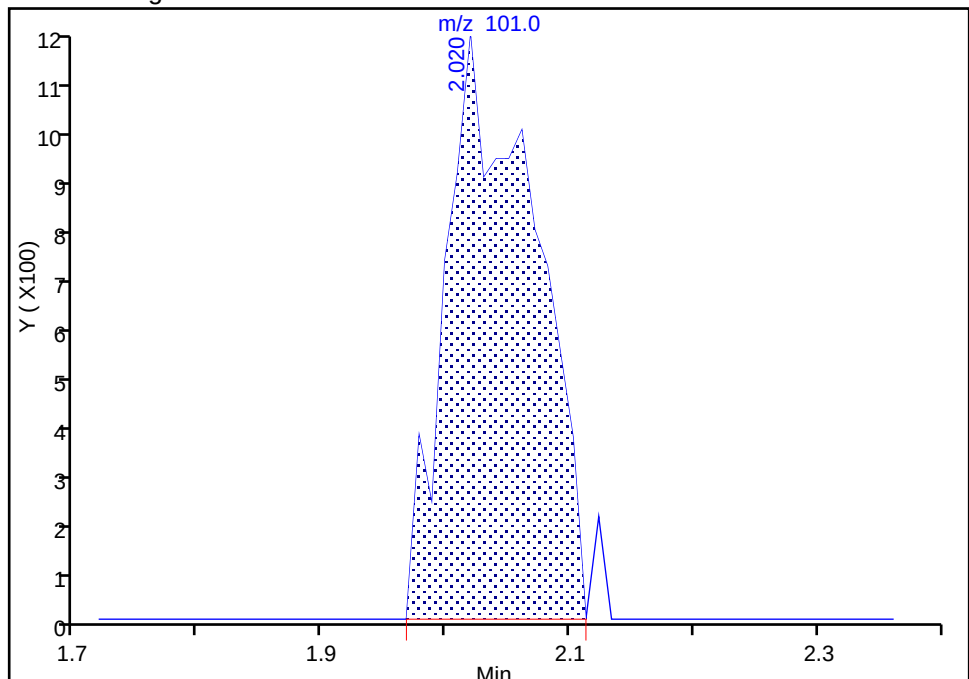
Not Detected

Expected RT: 2.05

Processing Integration Results



Manual Integration Results



RT: 2.02

Area: 5959

Amount: 0.443382

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:16:53

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

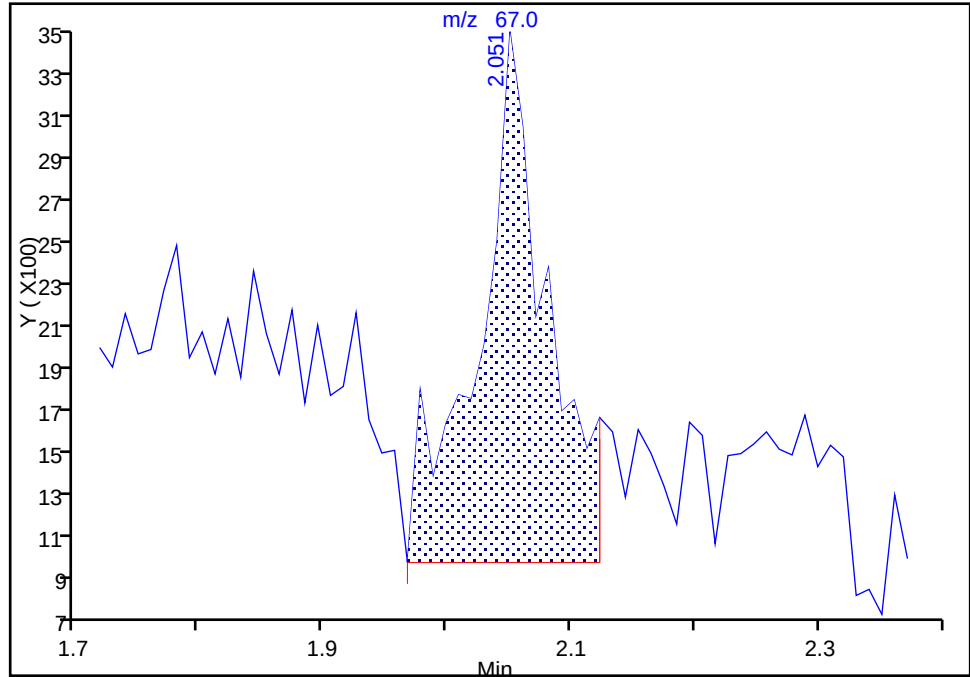
Detector: MS SCAN

18 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

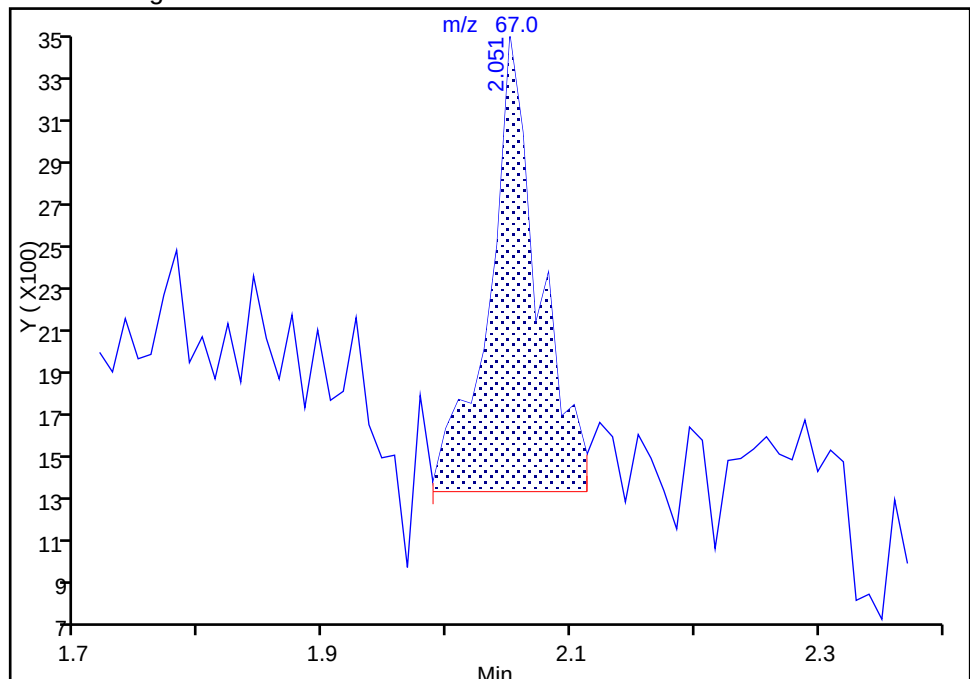
RT: 2.05
Area: 9463
Amount: 0.473653
Amount Units: ug/L

Processing Integration Results



RT: 2.05
Area: 5778
Amount: 0.401075
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:17:46

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

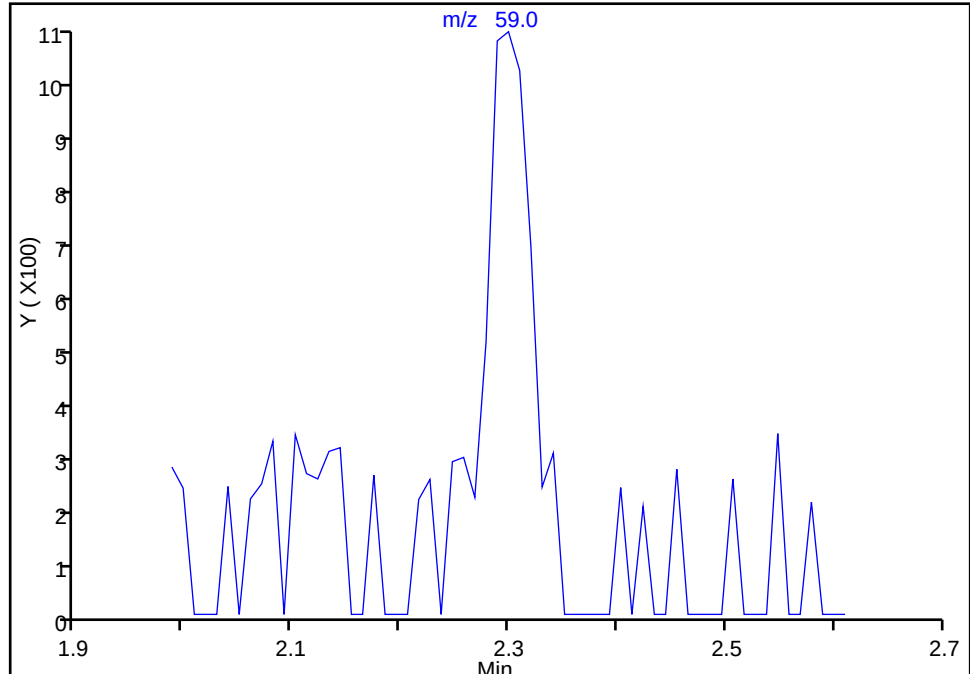
19 Ethyl ether, CAS: 60-29-7

Signal: 1

Not Detected

Expected RT: 2.30

Processing Integration Results



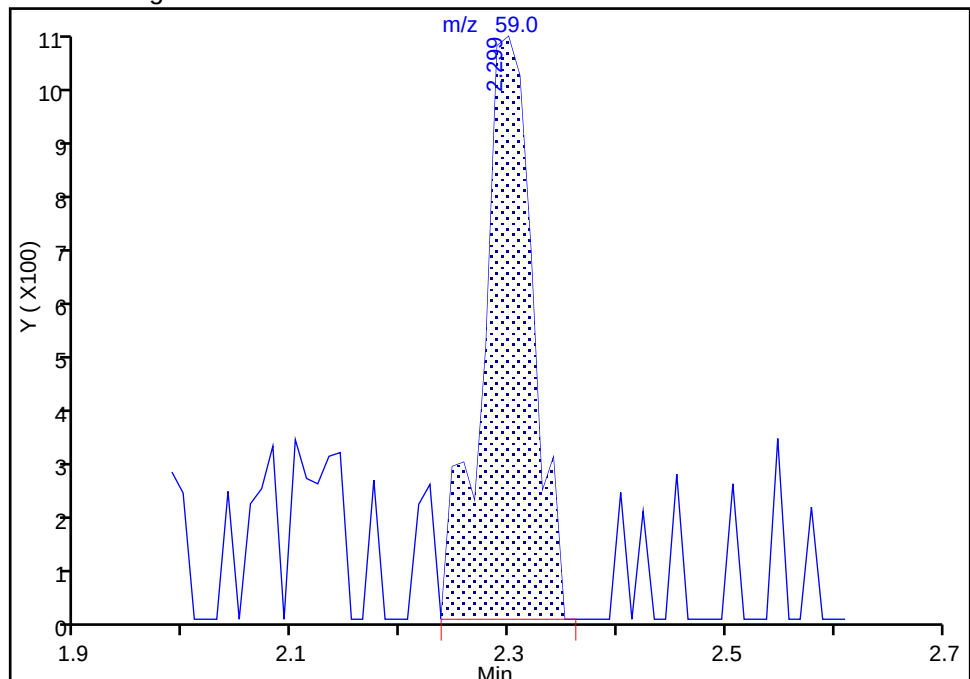
RT: 2.30

Area: 3521

Amount: 0.465476

Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:17:49

Audit Action: Assigned Compound ID

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

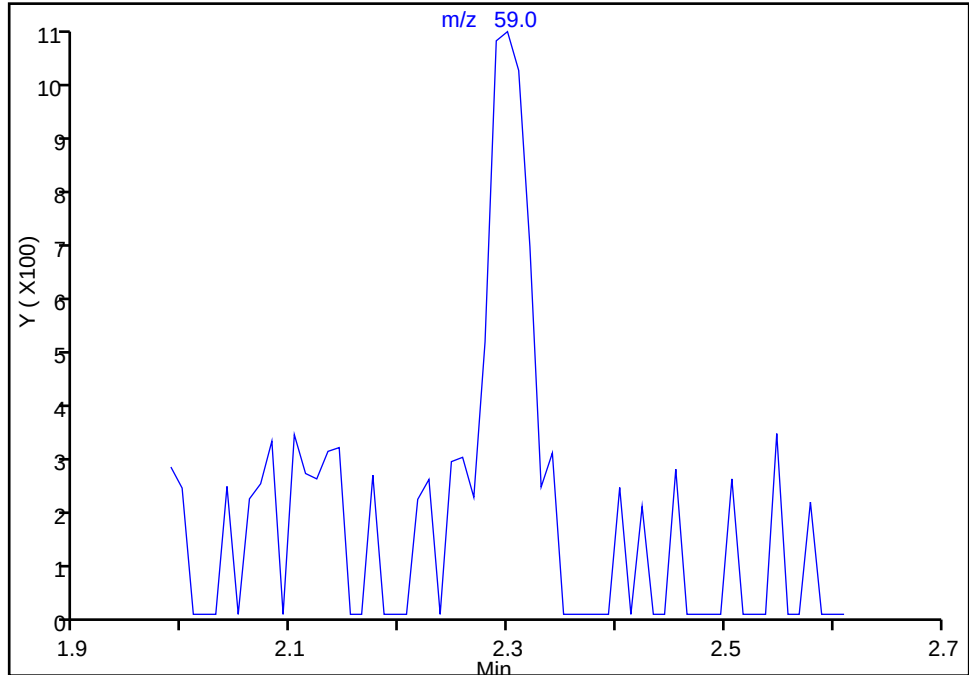
19 Ethyl ether, CAS: 60-29-7

Signal: 1

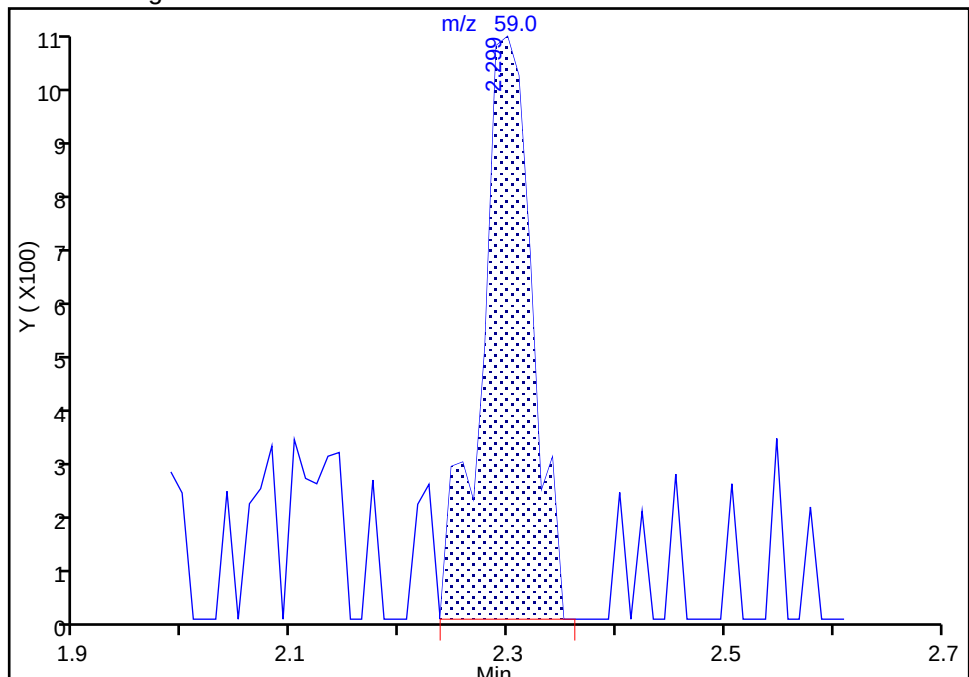
Not Detected

Expected RT: 2.30

Processing Integration Results



Manual Integration Results



RT: 2.30

Area: 3521

Amount: 0.465476

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:17:56

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

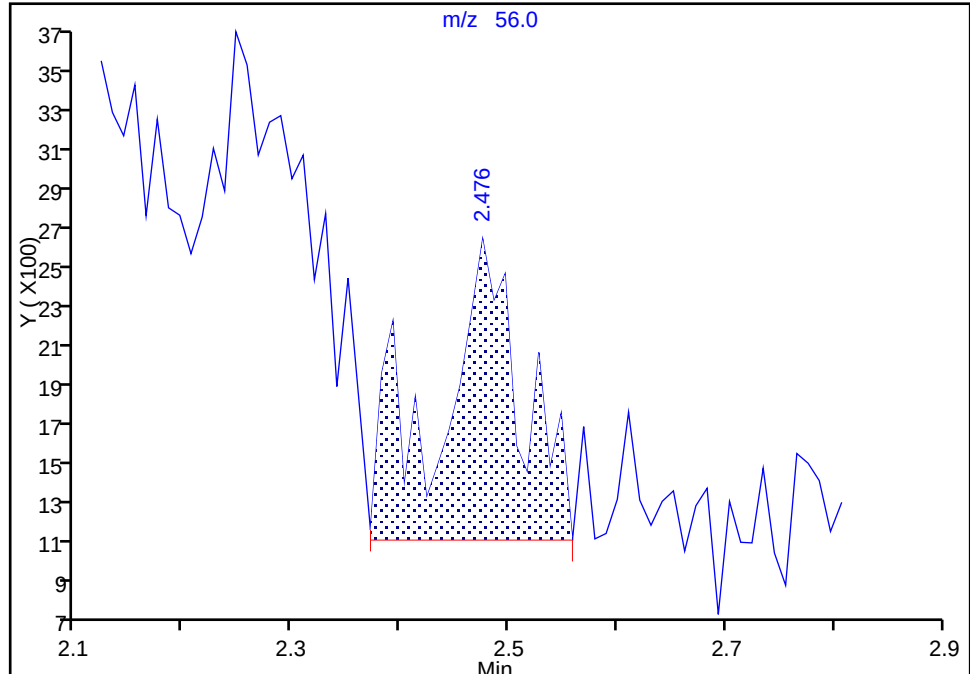
Detector: MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

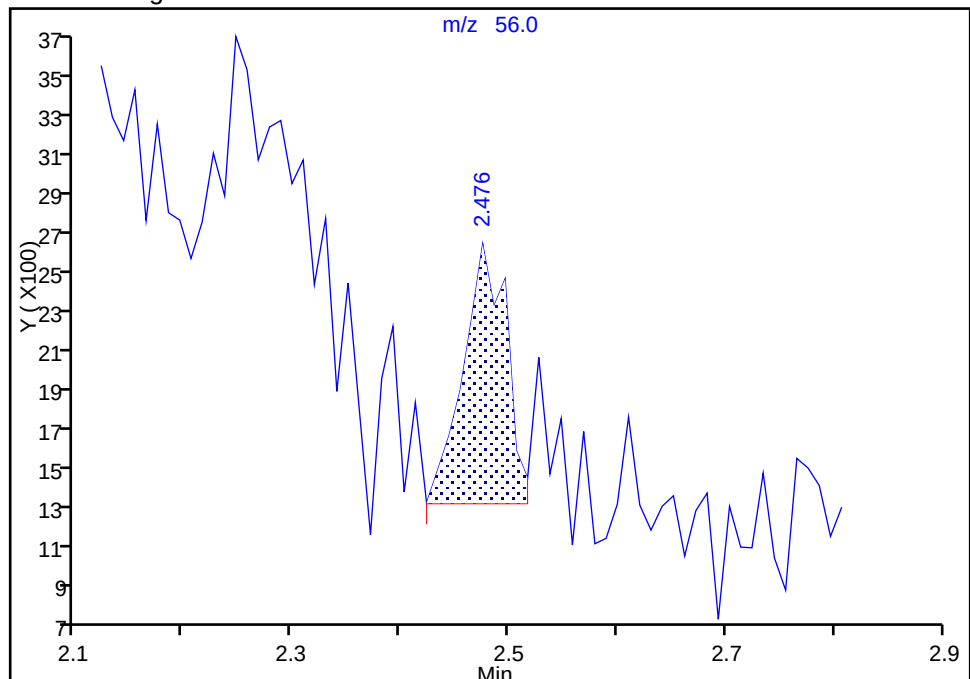
RT: 2.48
Area: 7891
Amount: 4.492992
Amount Units: ug/L

Processing Integration Results



RT: 2.48
Area: 3596
Amount: 2.688401
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:30:09

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector MS SCAN

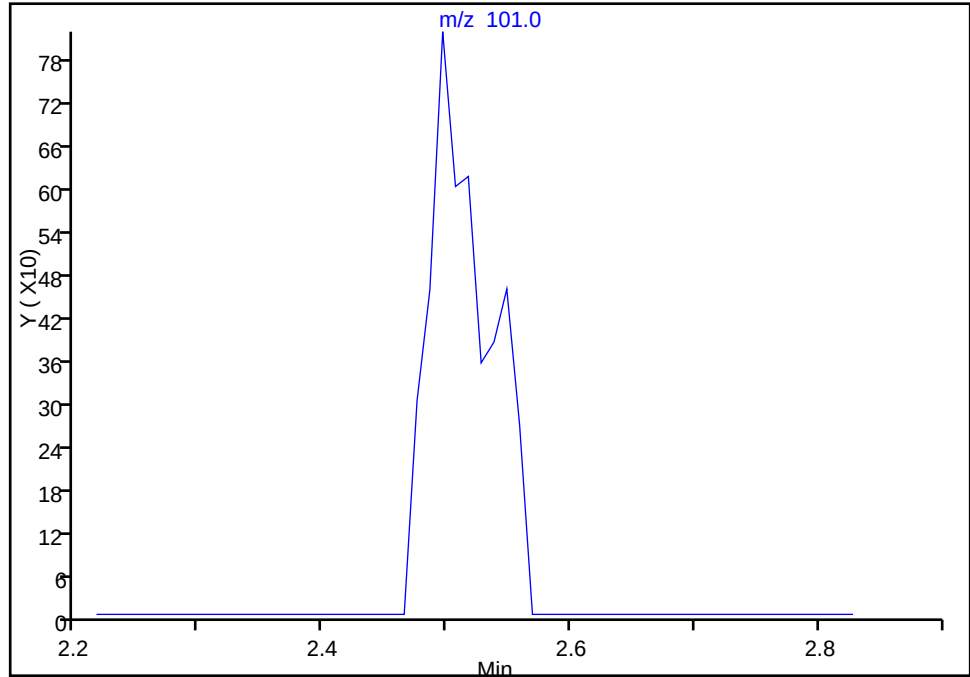
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

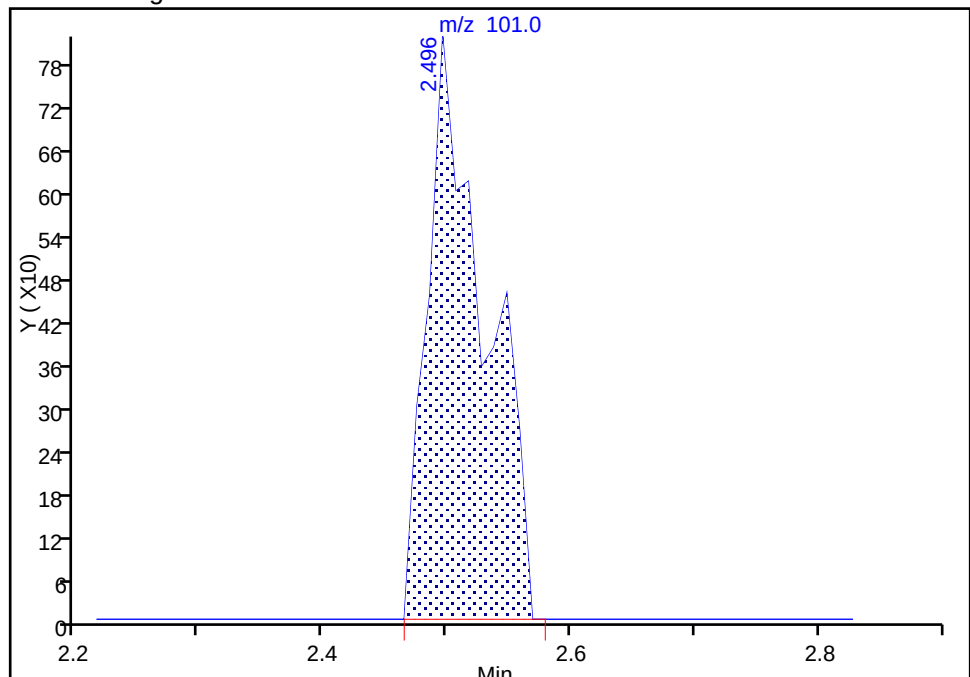
Not Detected

Expected RT: 2.52

Processing Integration Results



Manual Integration Results



RT: 2.50

Area: 2625

Amount: 0.370886

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:30:30

Audit Action: Assigned Compound ID

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

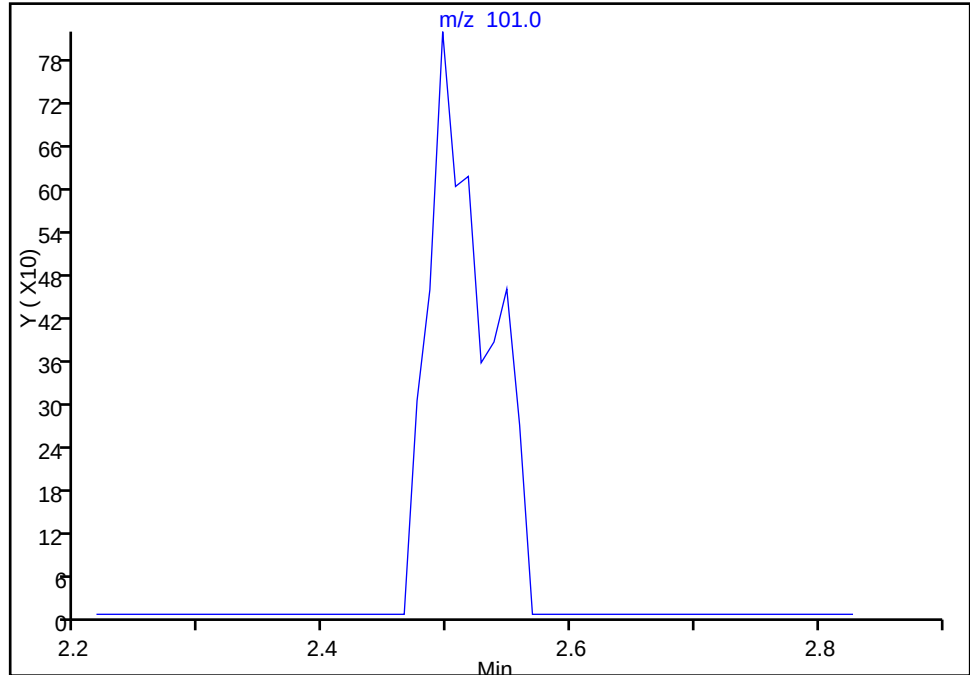
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

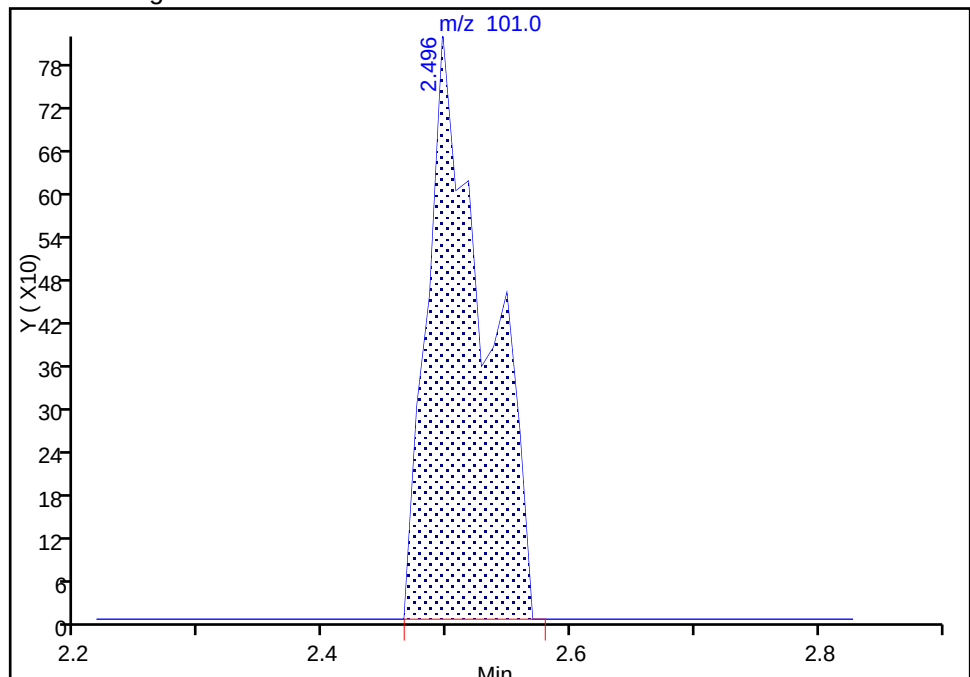
Not Detected

Expected RT: 2.52

Processing Integration Results



Manual Integration Results



RT: 2.50

Area: 2625

Amount: 0.370886

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:30:33

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#: 8 Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

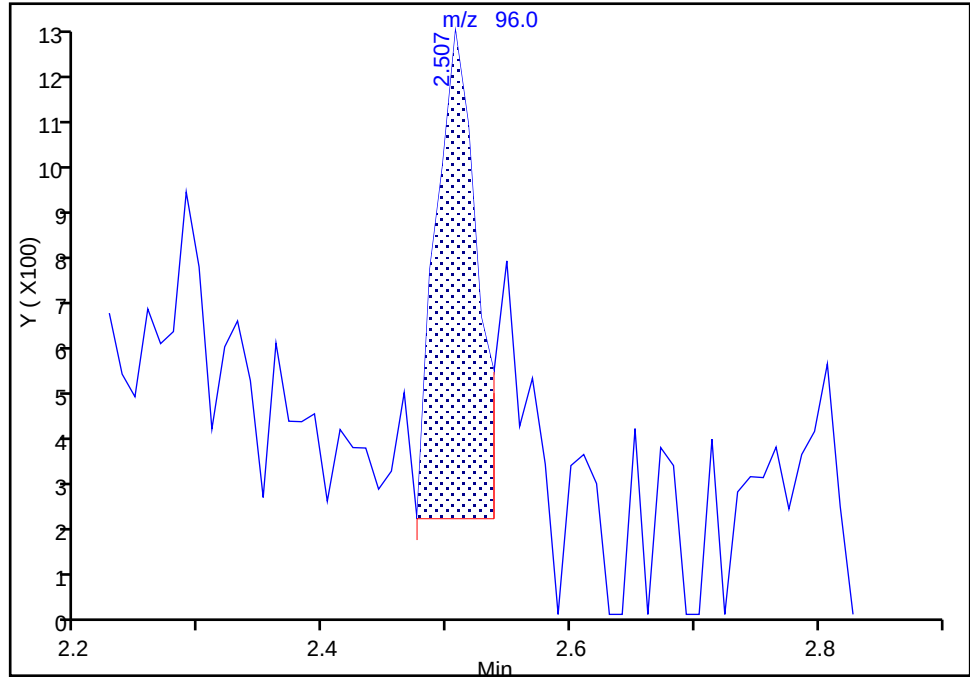
Detector: MS SCAN

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

Signal: 1

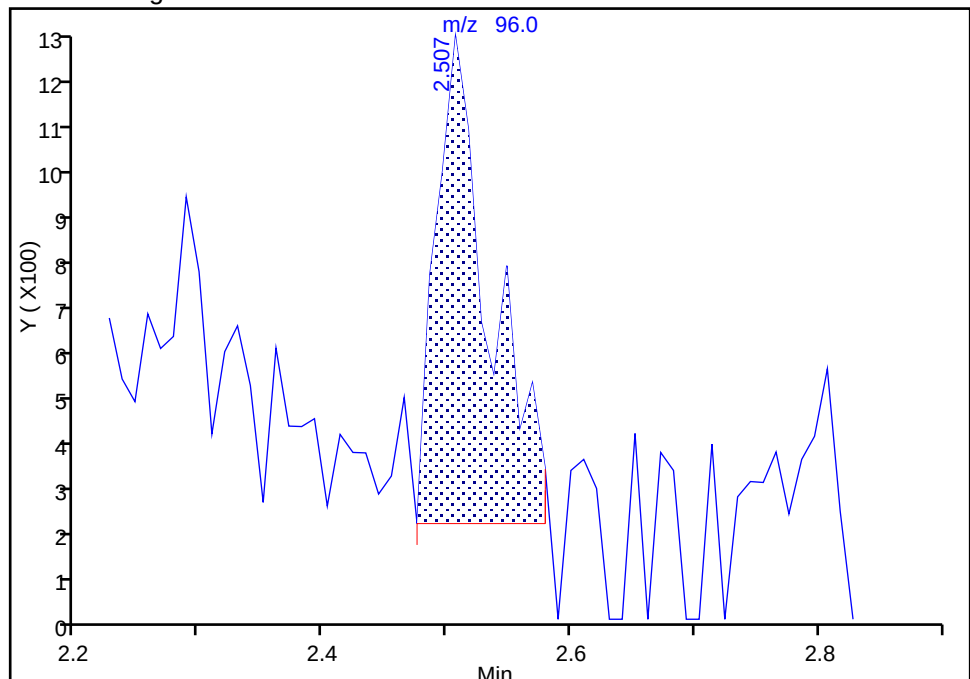
RT: 2.51
Area: 2467
Amount: 0.363772
Amount Units: ug/L

Processing Integration Results



RT: 2.51
Area: 3200
Amount: 0.465830
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:30:25

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

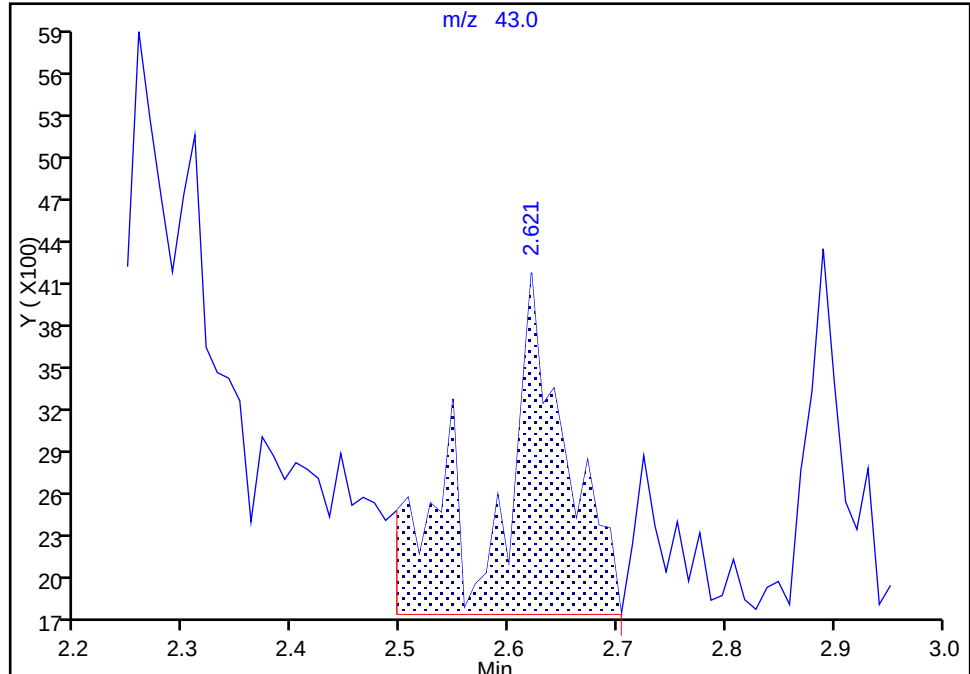
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

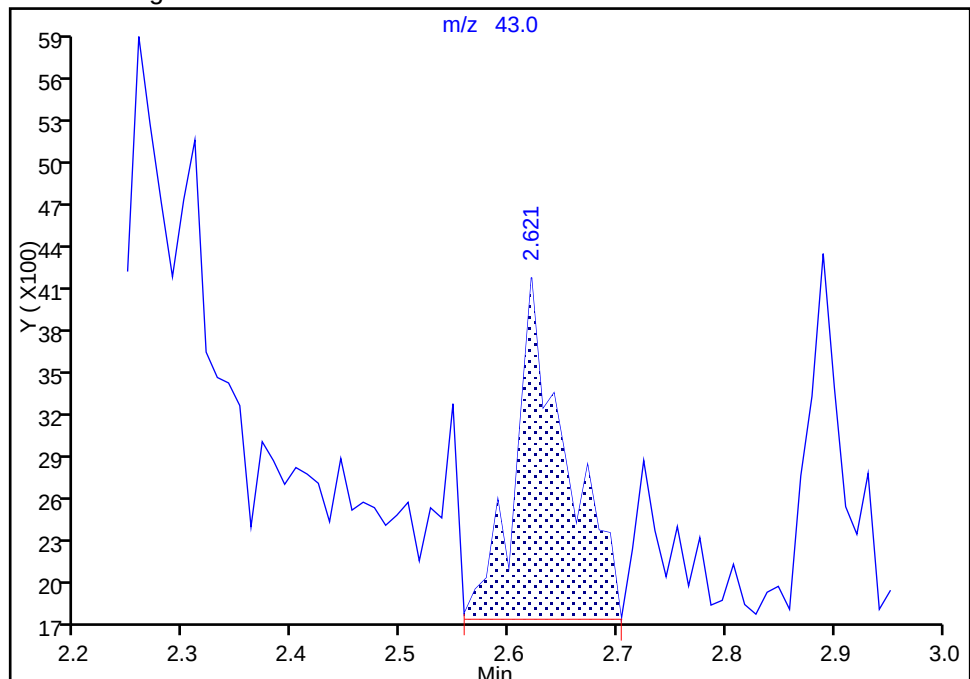
RT: 2.62
Area: 10827
Amount: 2.483149
Amount Units: ug/L

Processing Integration Results



RT: 2.62
Area: 7779
Amount: 2.889581
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:30:40

Audit Action: Split an Integrated Peak

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

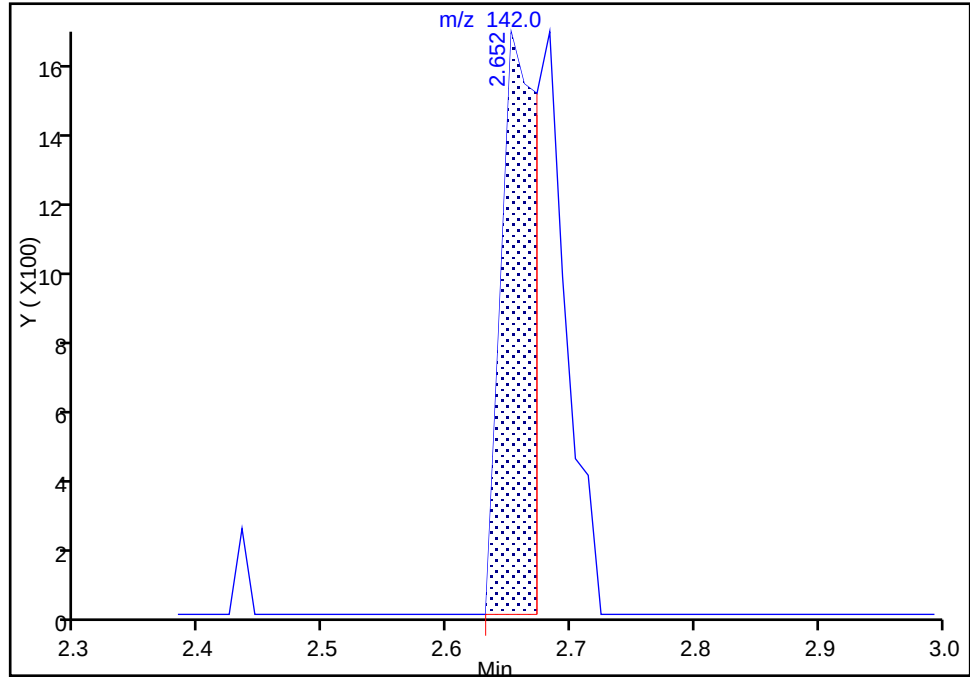
Detector: MS SCAN

24 Iodomethane, CAS: 74-88-4

Signal: 1

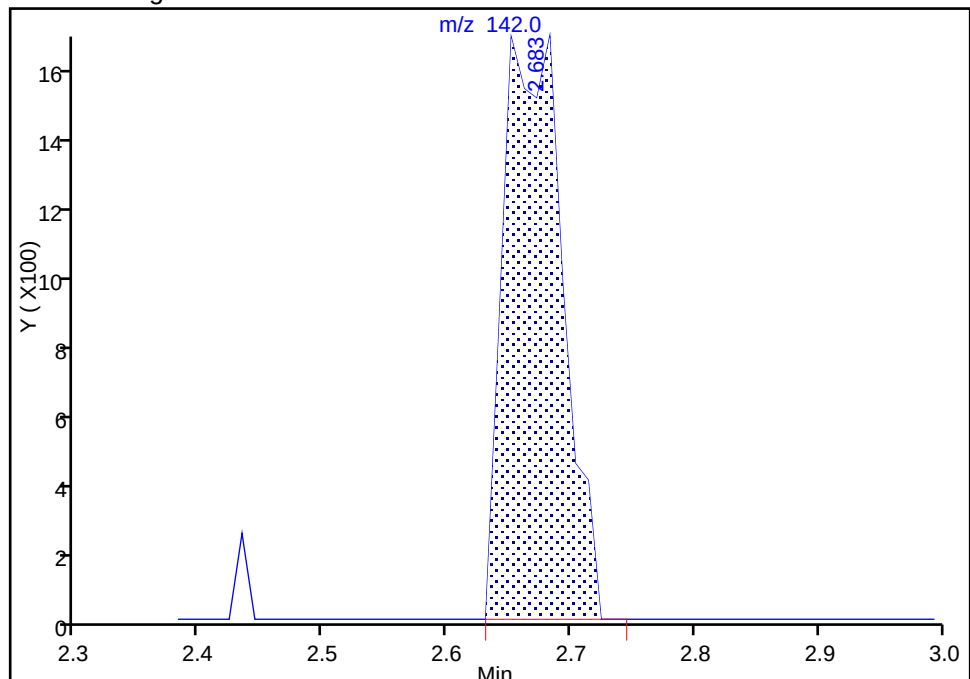
RT: 2.65
Area: 3282
Amount: 0.424053
Amount Units: ug/L

Processing Integration Results



RT: 2.68
Area: 5367
Amount: 0.399734
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:30:51

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

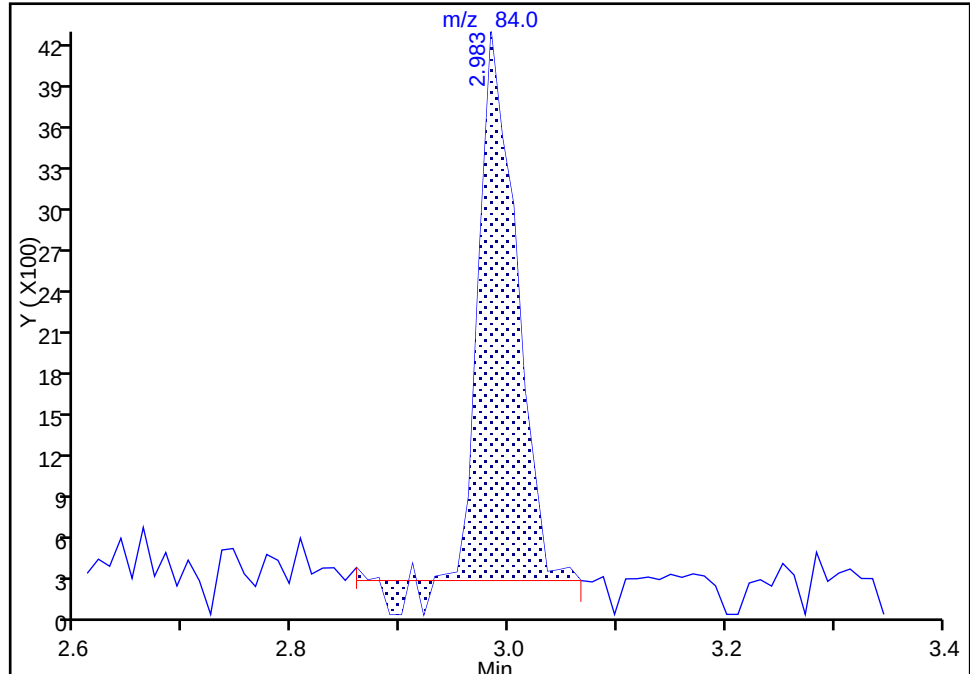
MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

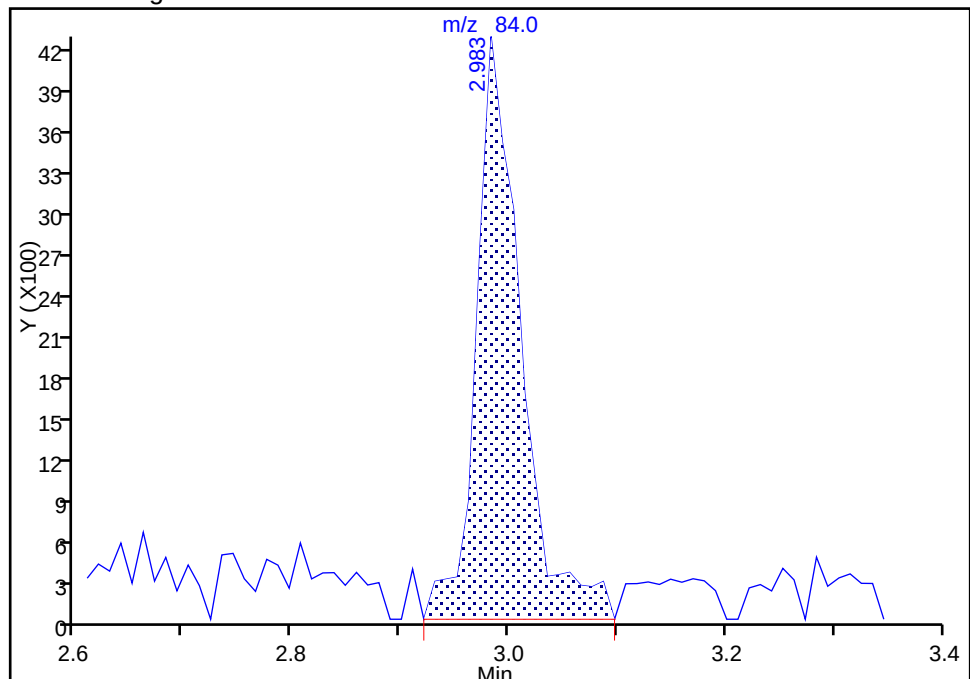
RT: 2.98
Area: 9253
Amount: 0.774198
Amount Units: ug/L

Processing Integration Results



RT: 2.98
Area: 12000
Amount: 0.541317
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:31:23

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

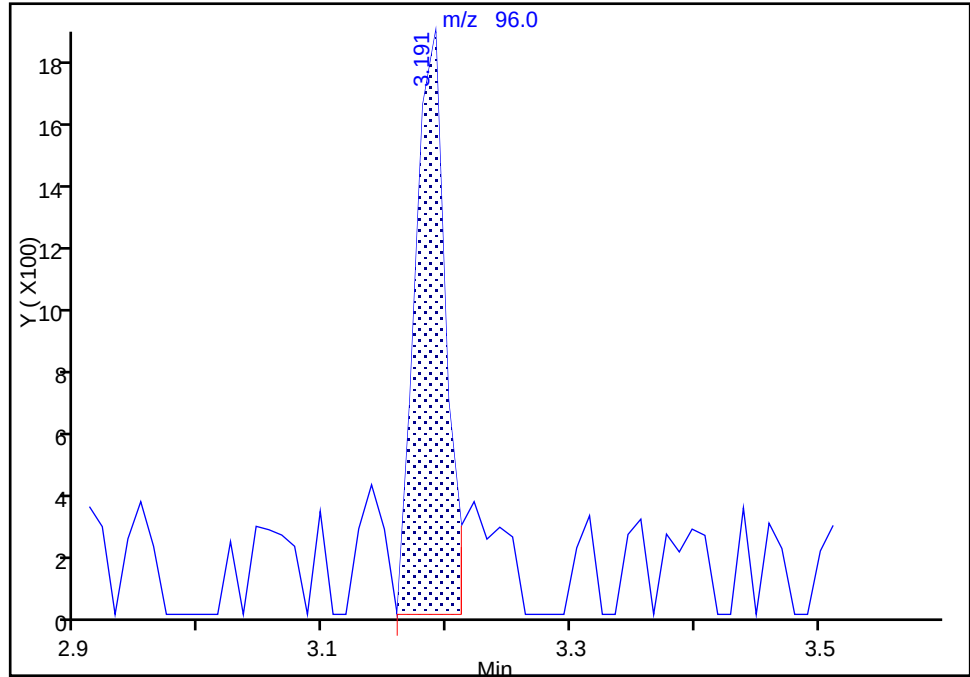
Detector: MS SCAN

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

Signal: 1

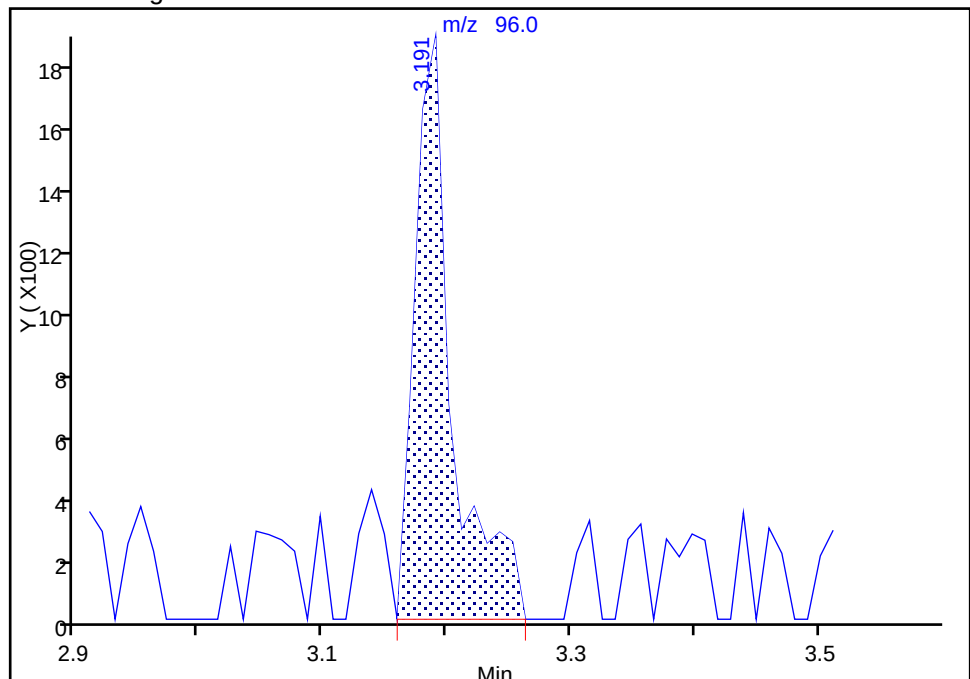
RT: 3.19
Area: 3210
Amount: 0.408996
Amount Units: ug/L

Processing Integration Results



RT: 3.19
Area: 3911
Amount: 0.499919
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:31:40

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

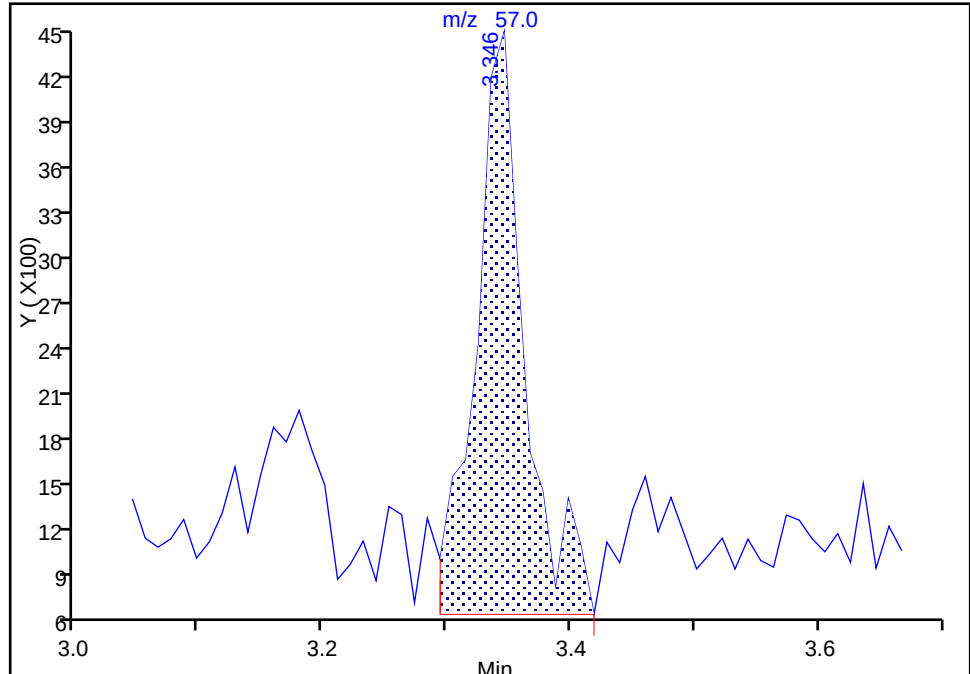
Detector: MS SCAN

35 Hexane, CAS: 110-54-3

Signal: 1

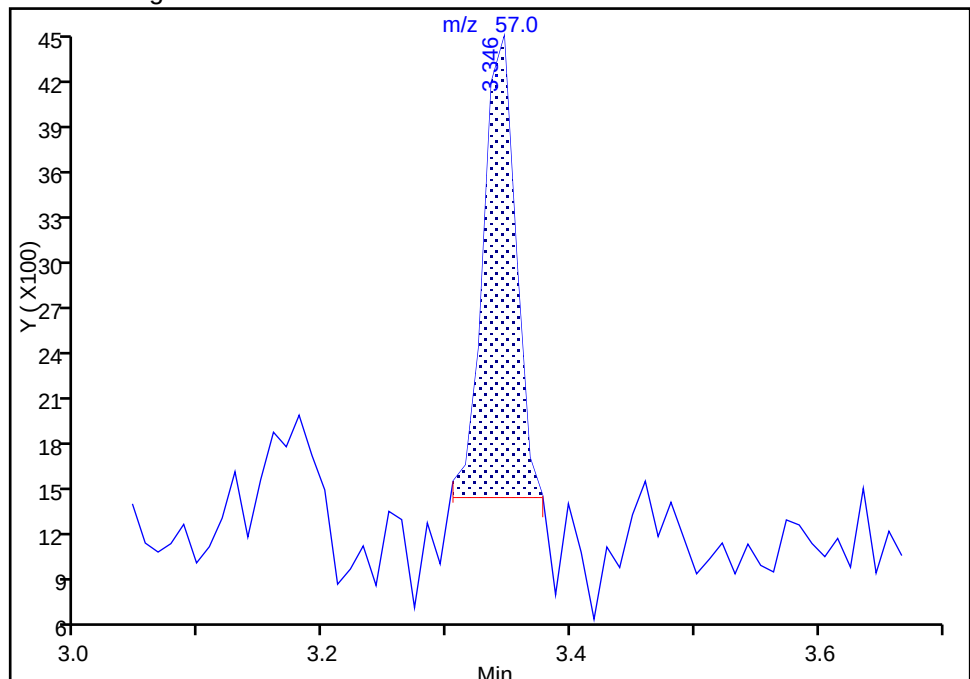
RT: 3.35
Area: 10507
Amount: 0.762141
Amount Units: ug/L

Processing Integration Results



RT: 3.35
Area: 5487
Amount: 0.398008
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:32:33

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

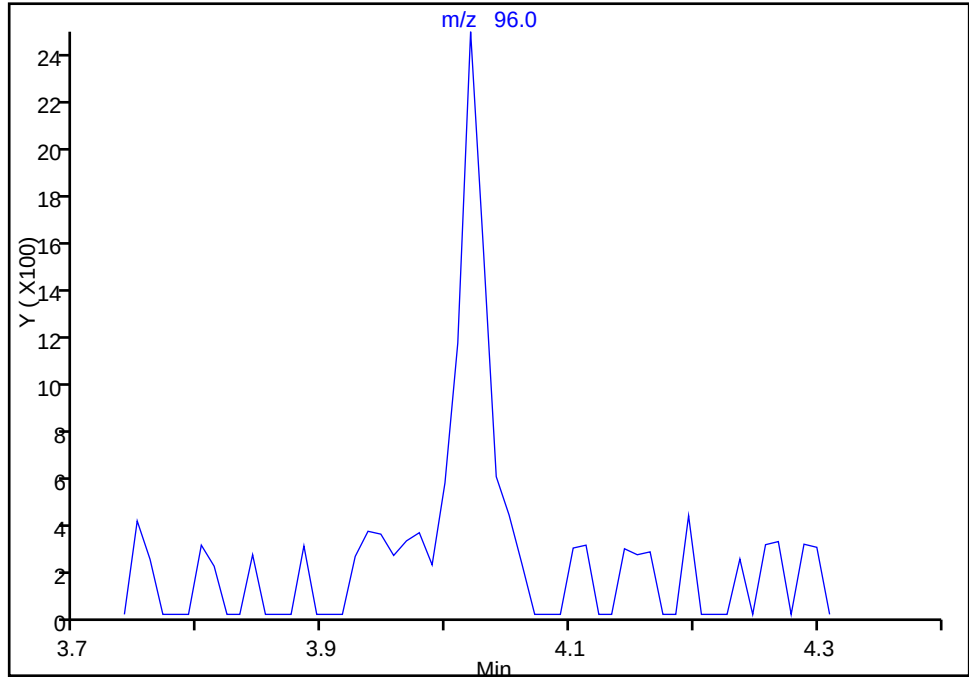
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D
Injection Date: 11-Jan-2018 15:11:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RR ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

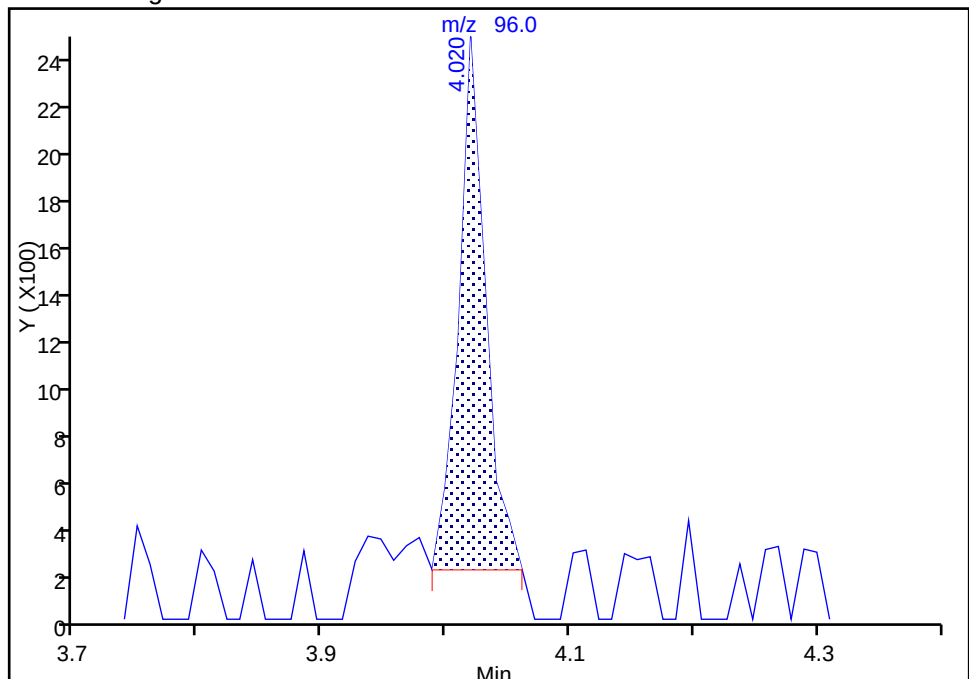
Signal: 1

Not Detected
Expected RT: 4.02

Processing Integration Results



Manual Integration Results



RT: 4.02
Area: 3357
Amount: 0.369496
Amount Units: ug/L

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

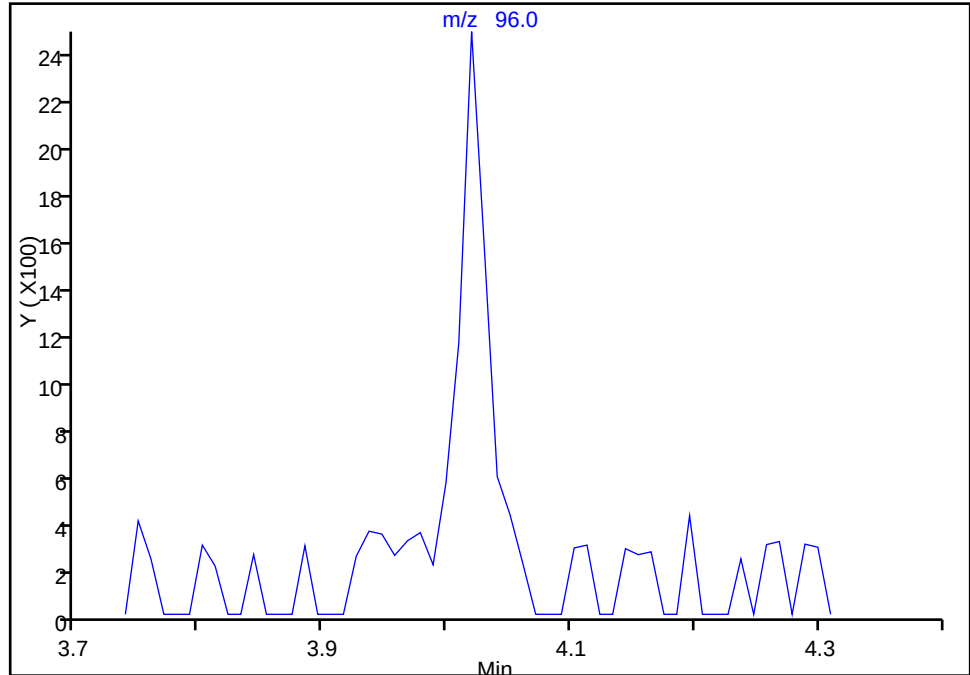
43 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

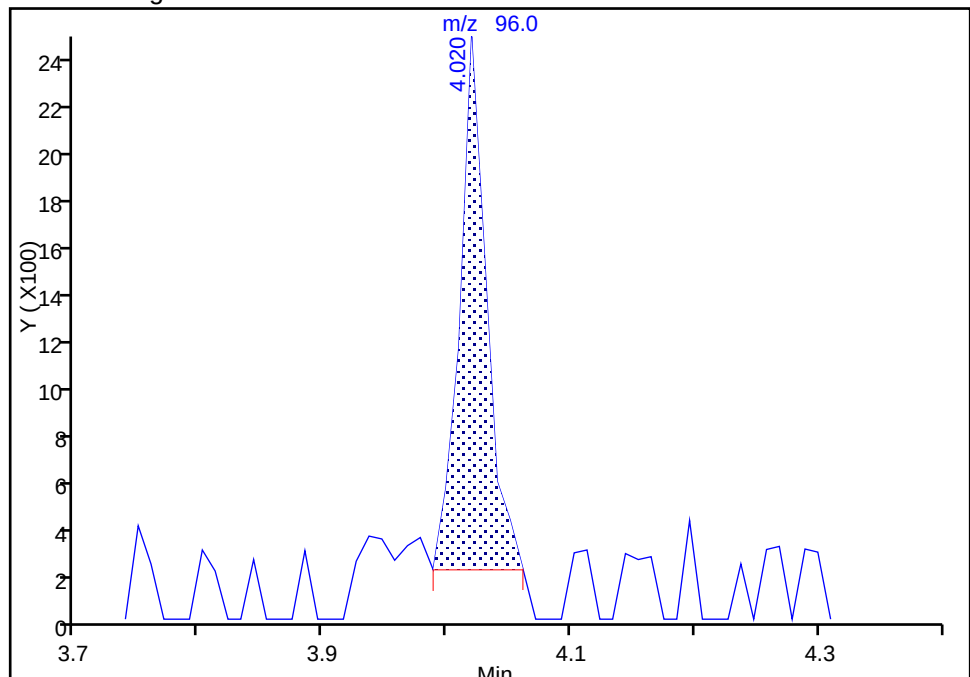
Not Detected

Expected RT: 4.02

Processing Integration Results



Manual Integration Results



RT: 4.02

Area: 3357

Amount: 0.369496

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:33:18

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

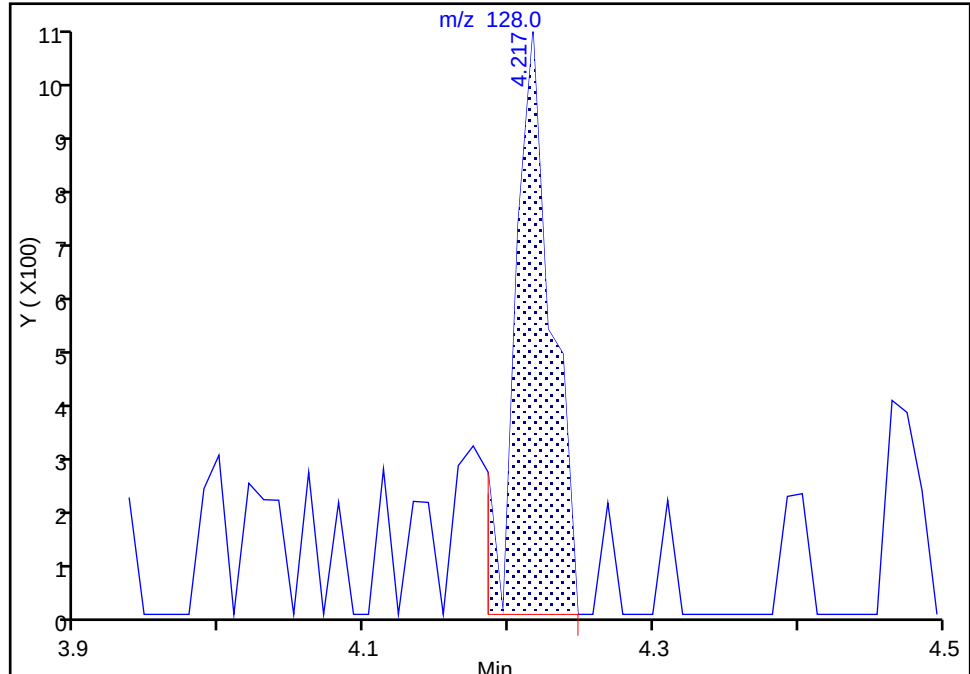
Detector: MS SCAN

47 Chlorobromomethane, CAS: 74-97-5

Signal: 1

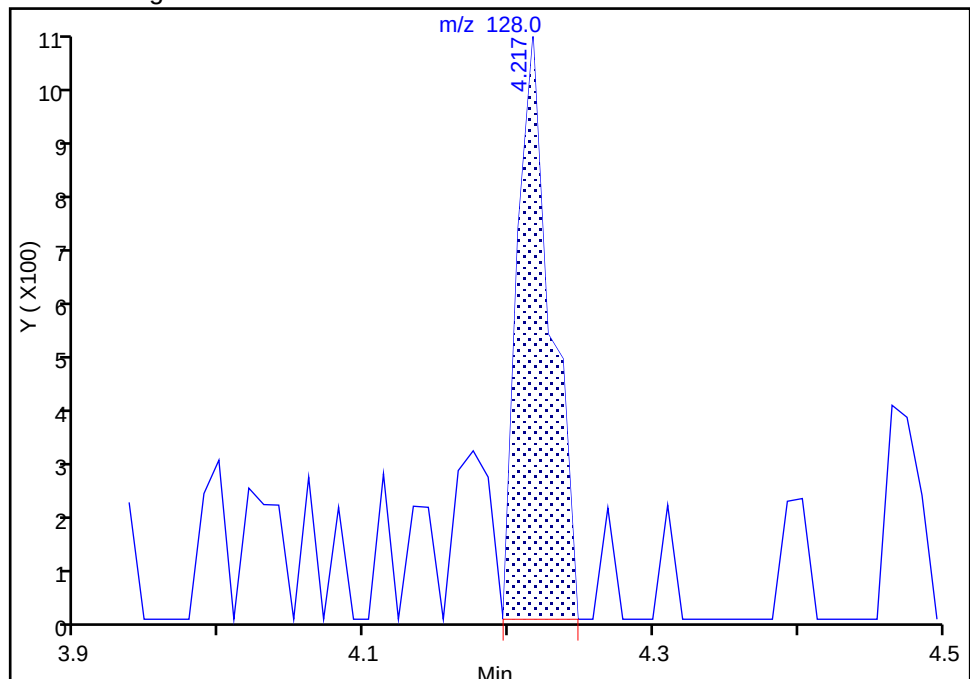
RT: 4.22
Area: 1882
Amount: 0.405696
Amount Units: ug/L

Processing Integration Results



RT: 4.22
Area: 1721
Amount: 0.374384
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:33:27

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

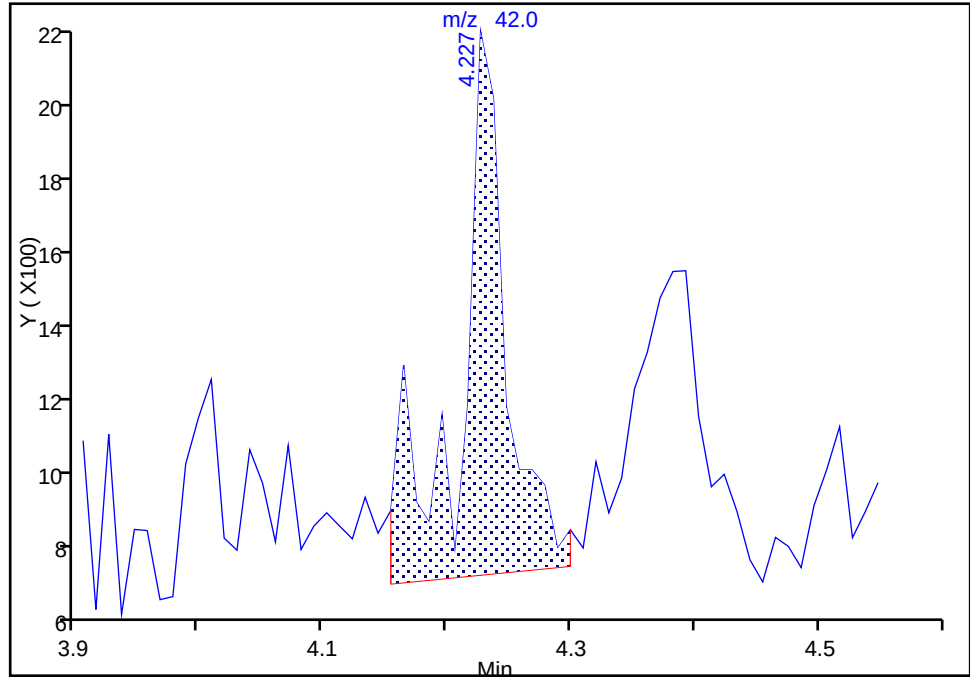
Detector: MS SCAN

48 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

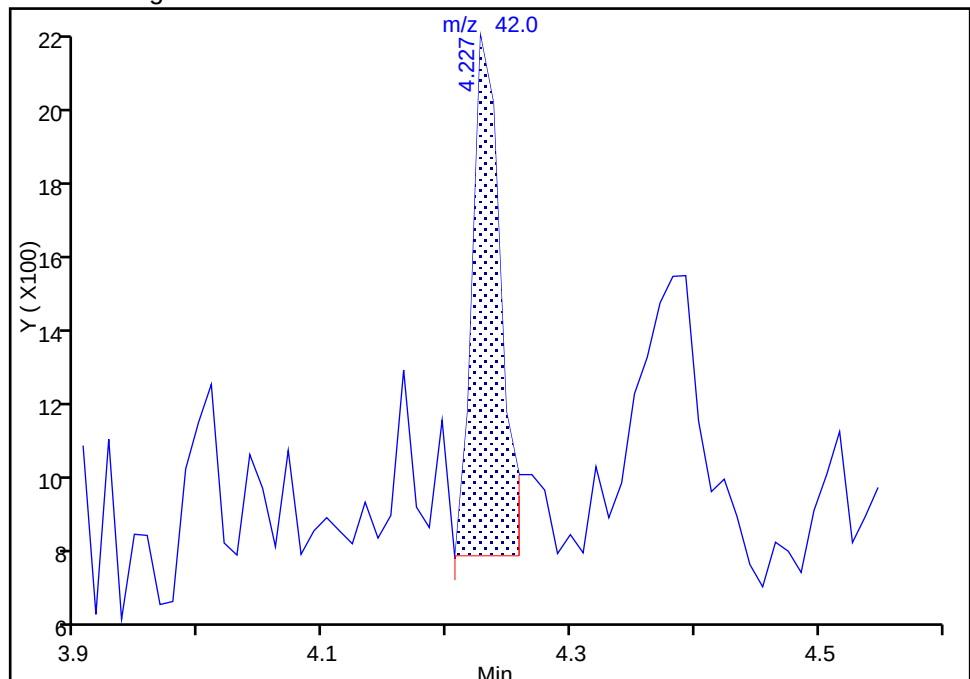
RT: 4.23
Area: 3811
Amount: 0.953373
Amount Units: ug/L

Processing Integration Results



RT: 4.23
Area: 2207
Amount: 0.842808
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:34:05

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

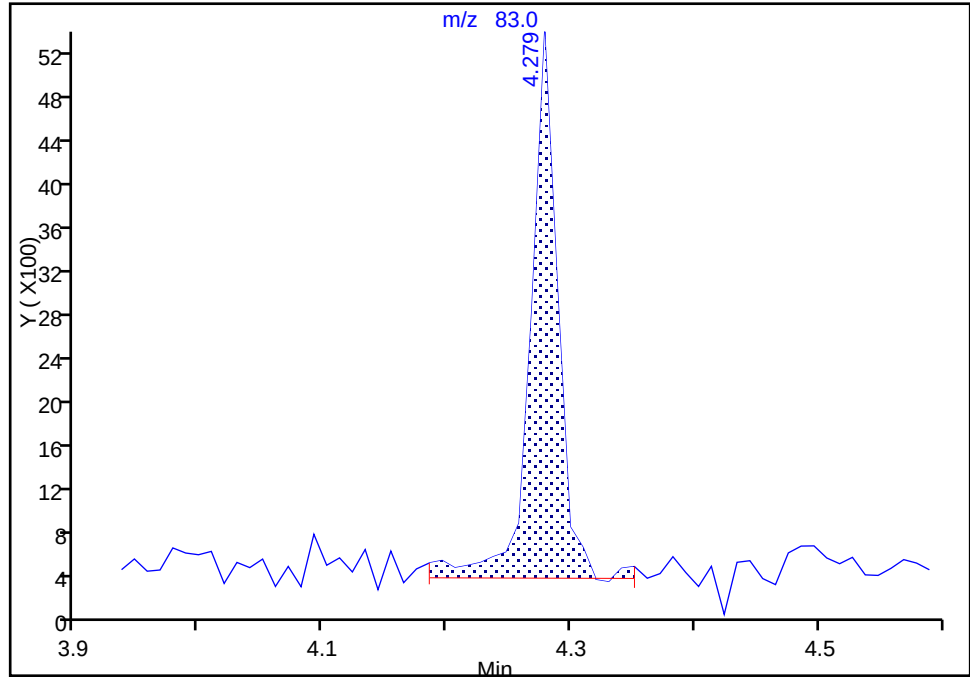
Detector: MS SCAN

50 Chloroform, CAS: 67-66-3

Signal: 1

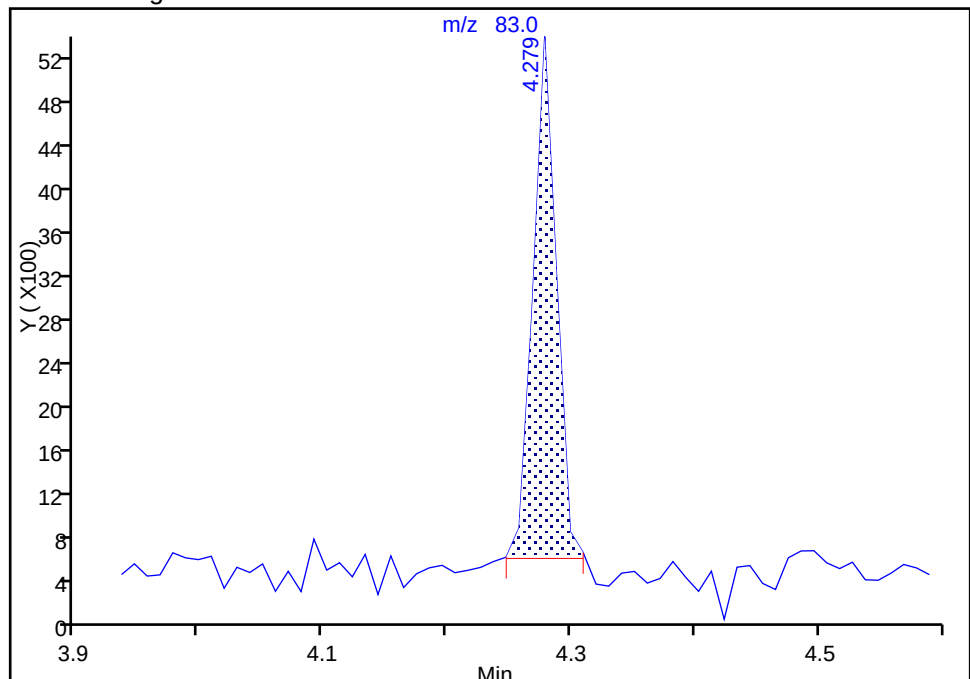
RT: 4.28
Area: 7911
Amount: 0.516805
Amount Units: ug/L

Processing Integration Results



RT: 4.28
Area: 6290
Amount: 0.424973
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:34:39

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

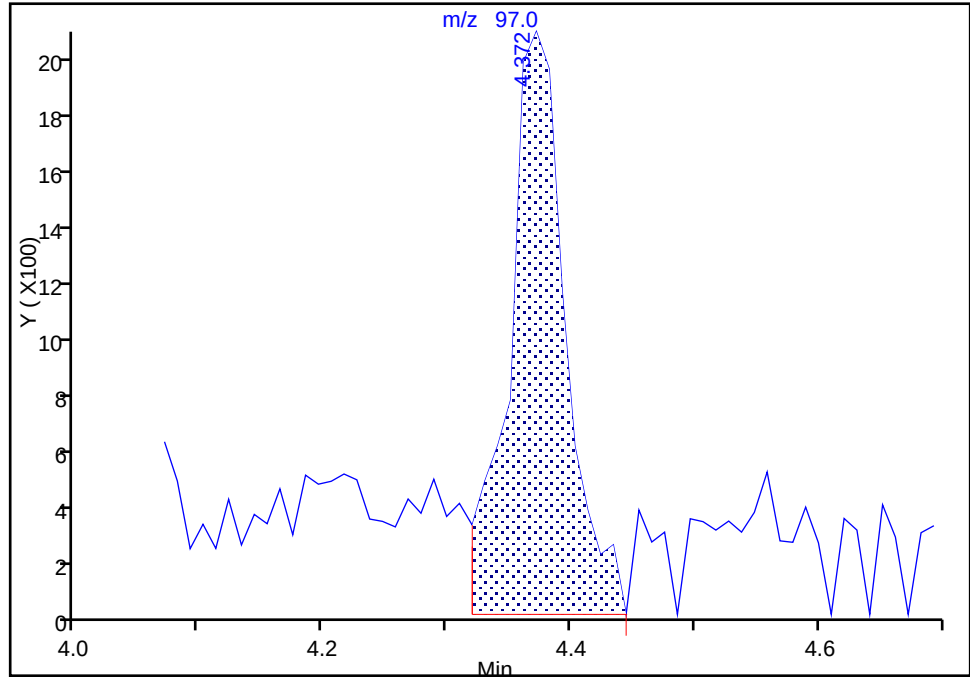
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D
Injection Date: 11-Jan-2018 15:11:30 Instrument ID: HP5975T
Lims ID: IC 0.4
Client ID:
Operator ID: RR ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

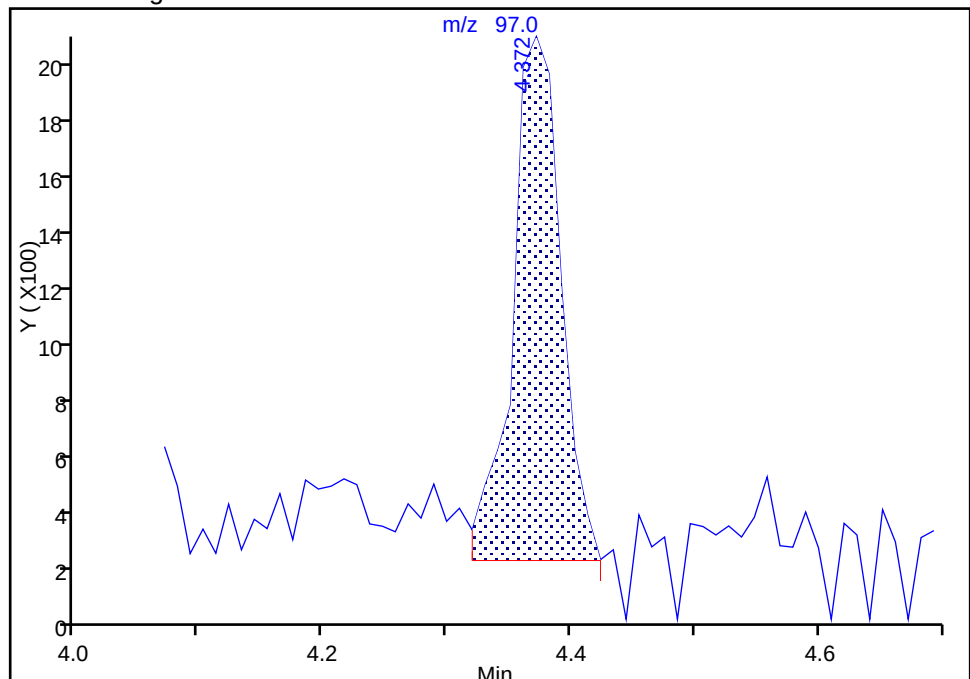
RT: 4.37
Area: 6448
Amount: 0.489691
Amount Units: ug/L

Processing Integration Results



RT: 4.37
Area: 4917
Amount: 0.387500
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:35:07

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

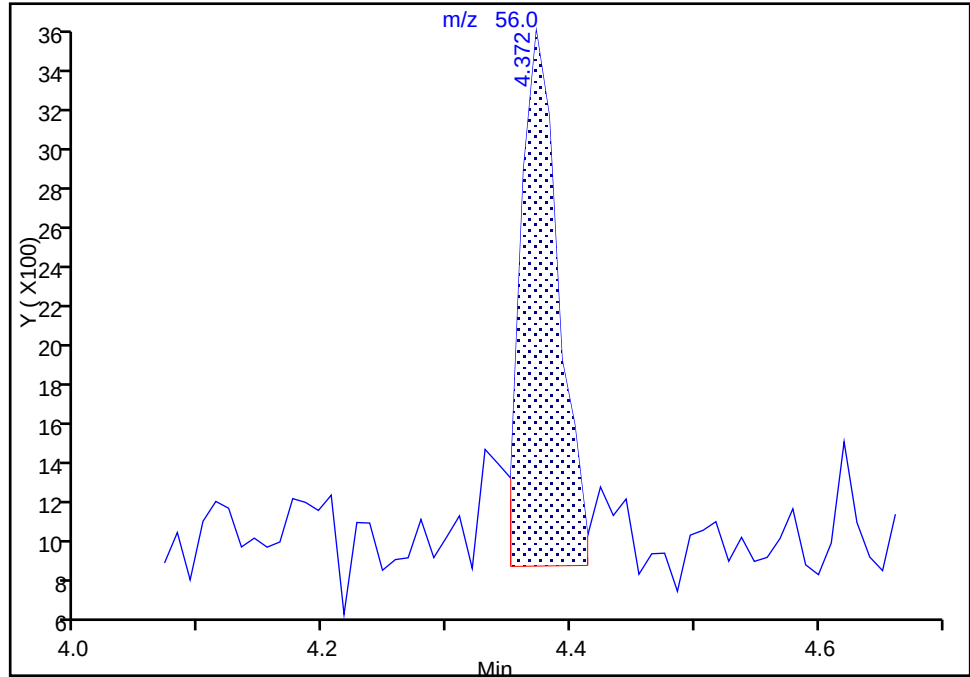
Detector: MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

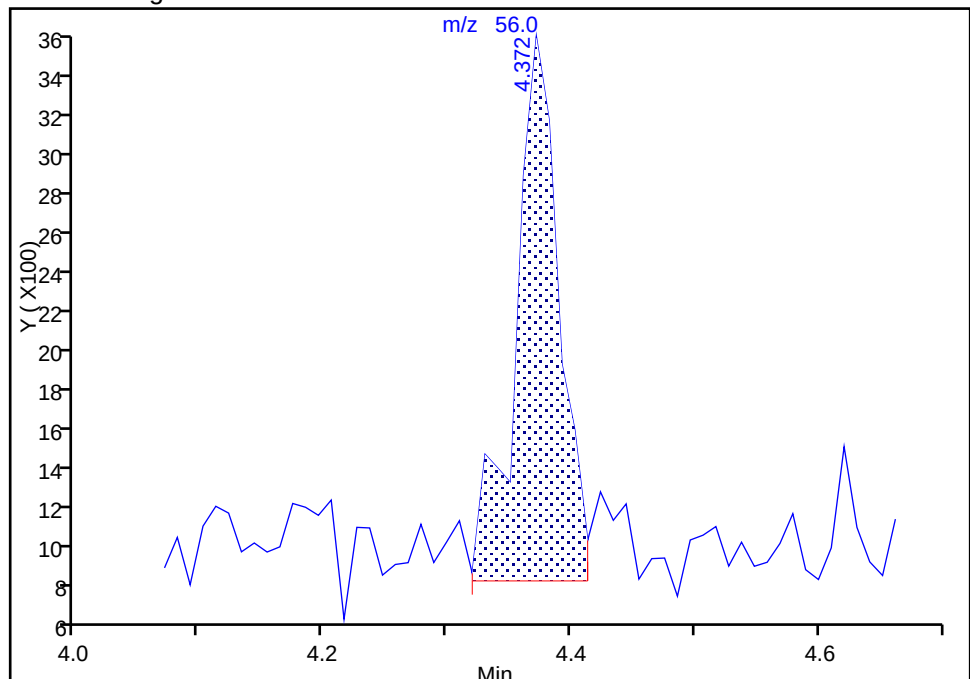
RT: 4.37
Area: 5718
Amount: 0.354732
Amount Units: ug/L

Processing Integration Results



RT: 4.37
Area: 6704
Amount: 0.413845
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:35:28

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#: 8 Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

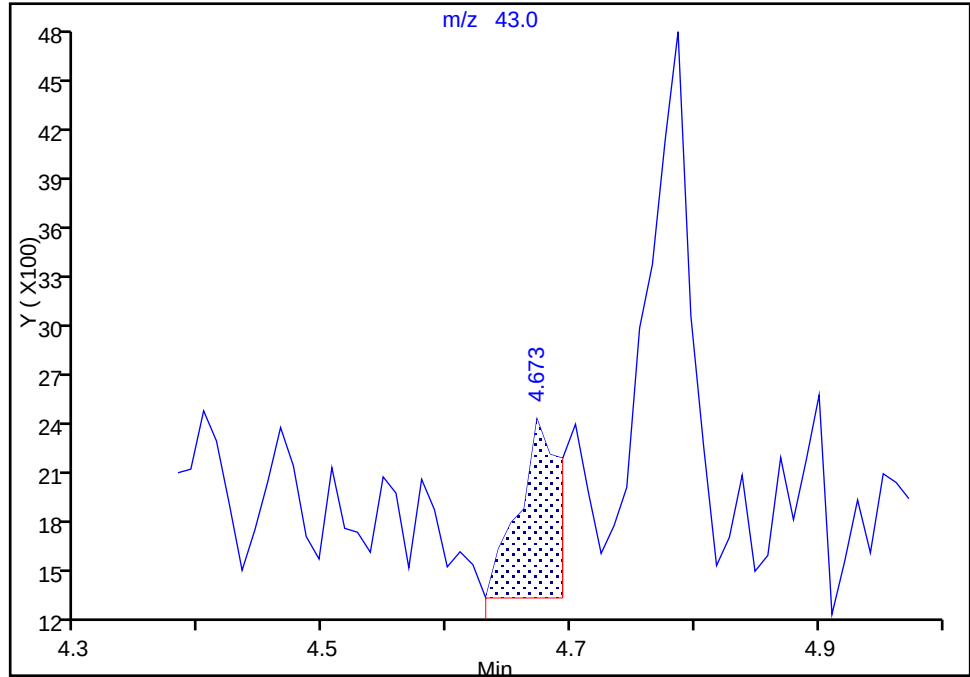
Detector: MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

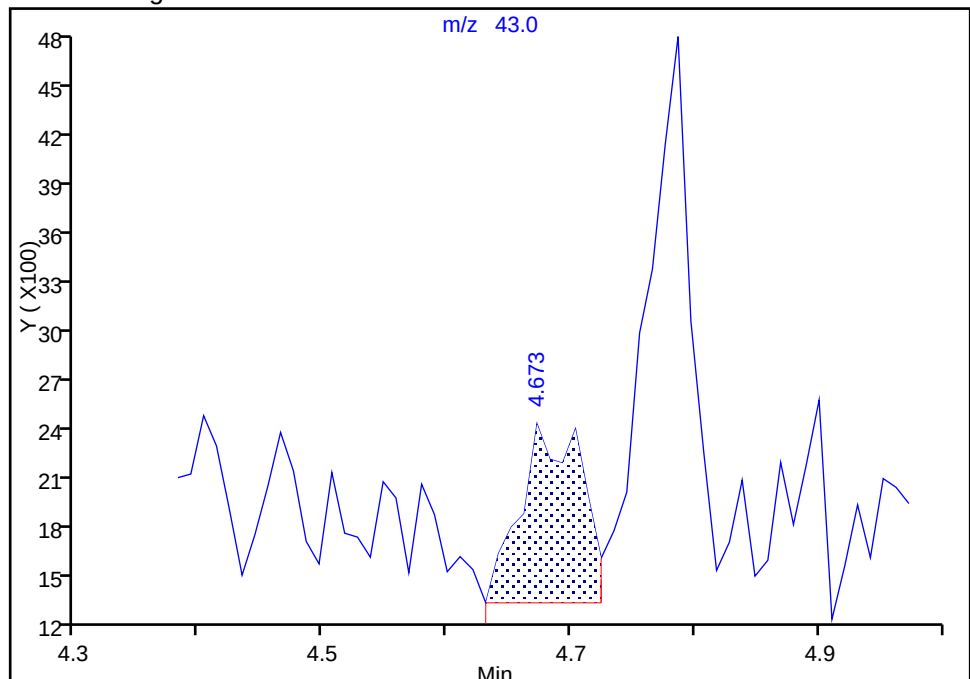
RT: 4.67
Area: 2564
Amount: 8.601383
Amount Units: ug/L

Processing Integration Results



RT: 4.67
Area: 3795
Amount: 12.730987
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:35:57

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

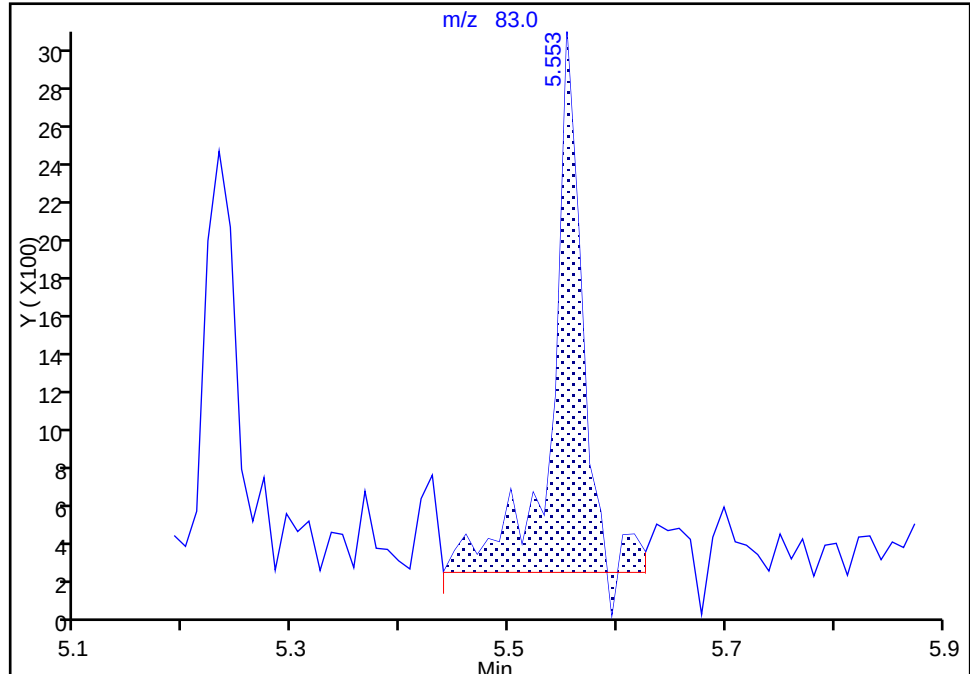
MS SCAN

67 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

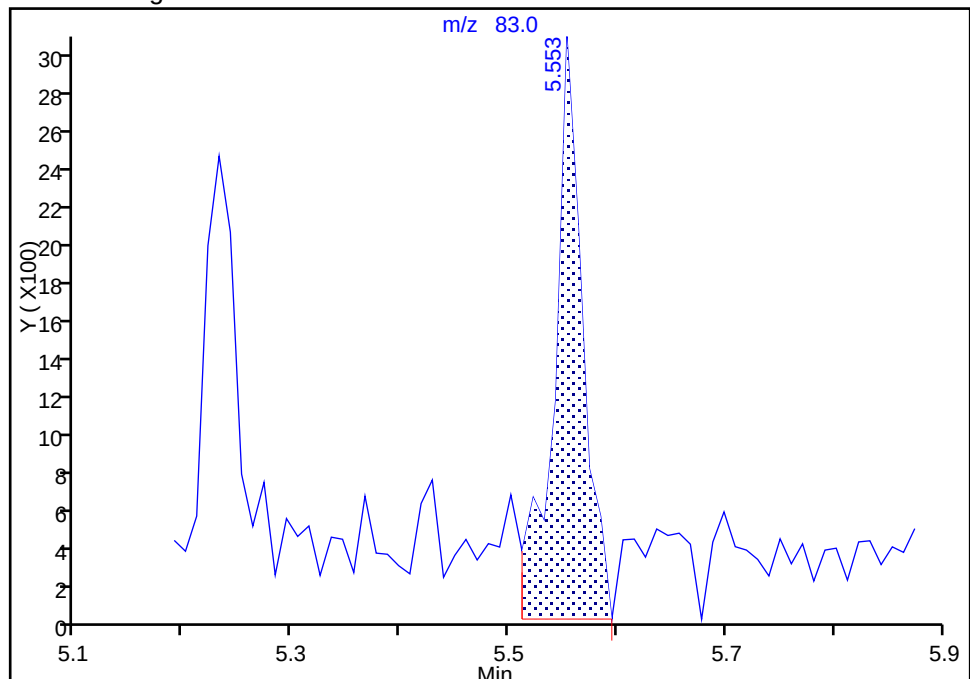
RT: 5.55
Area: 5500
Amount: 0.512848
Amount Units: ug/L

Processing Integration Results



RT: 5.55
Area: 5687
Amount: 0.530285
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:40:05

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

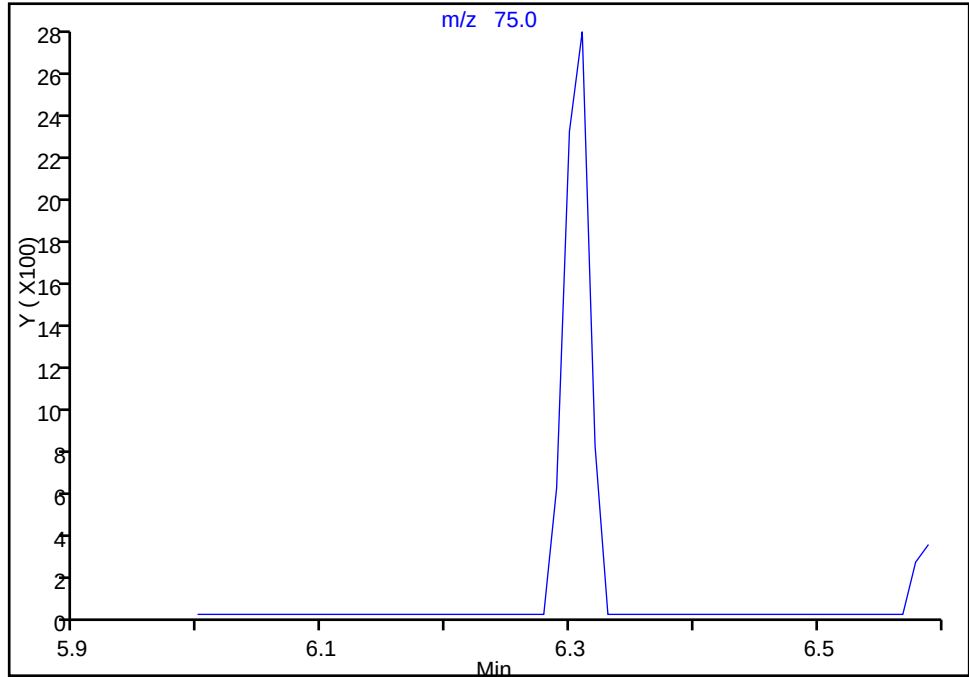
75 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

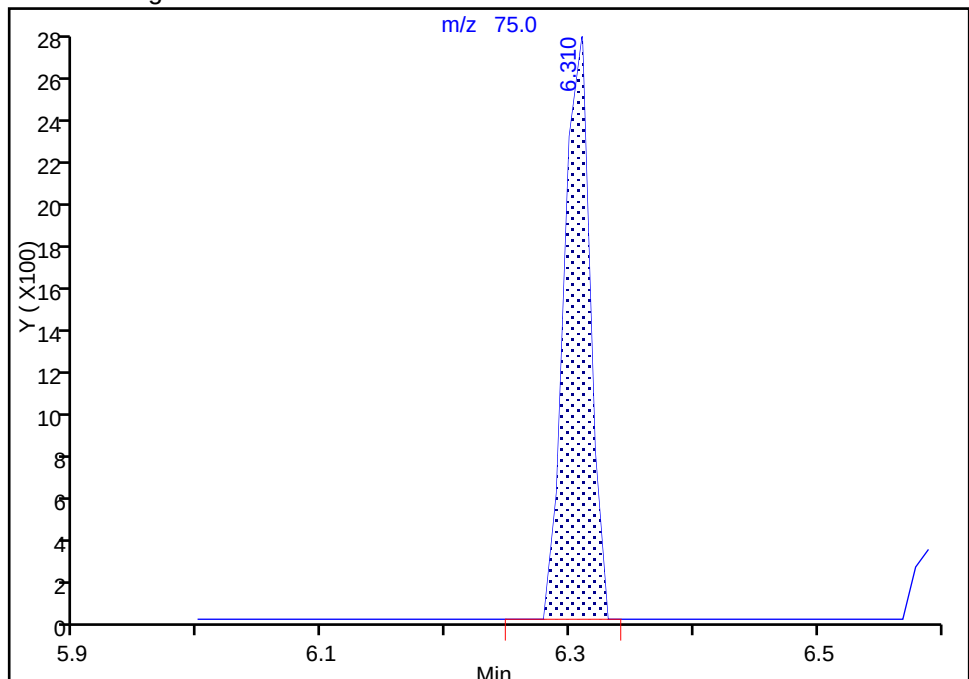
Not Detected

Expected RT: 6.31

Processing Integration Results



Manual Integration Results



RT: 6.31

Area: 3937

Amount: 0.336303

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:40:15

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

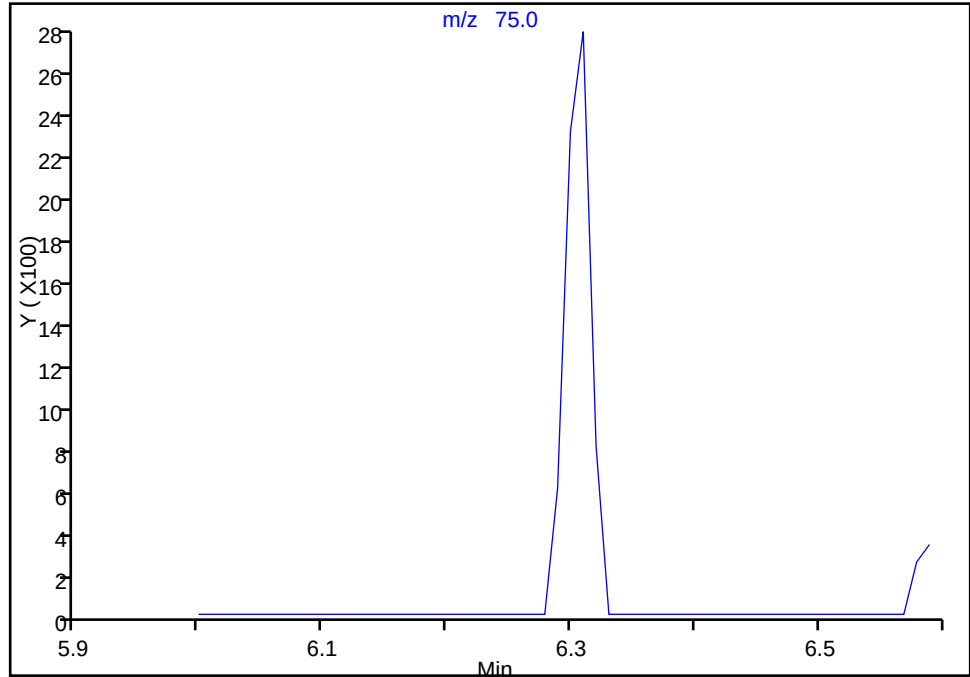
75 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

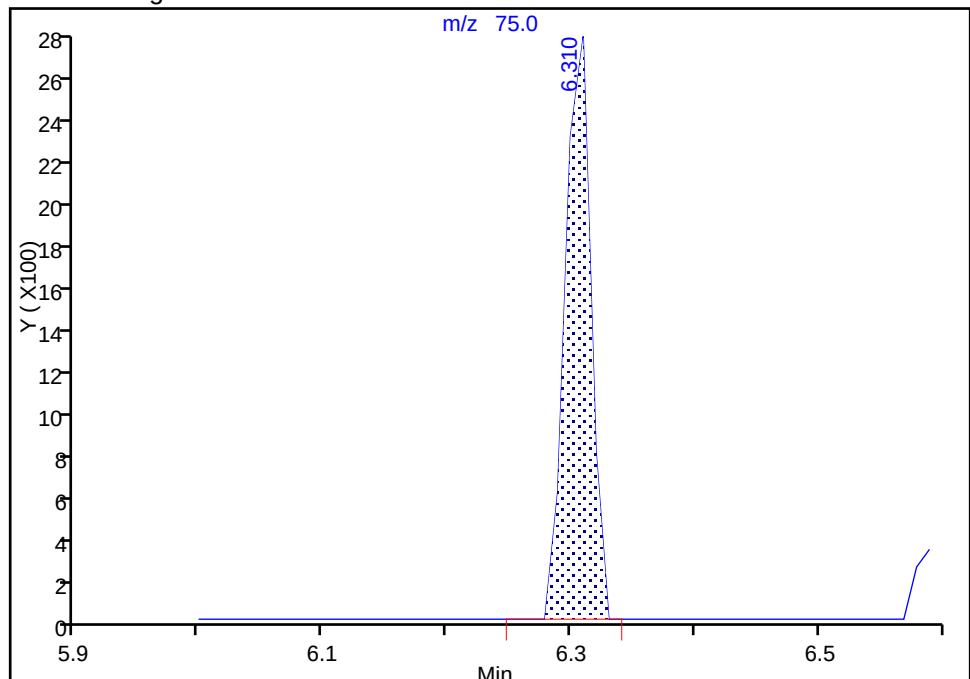
Not Detected

Expected RT: 6.31

Processing Integration Results



Manual Integration Results



RT: 6.31

Area: 3937

Amount: 0.336303

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:40:19

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

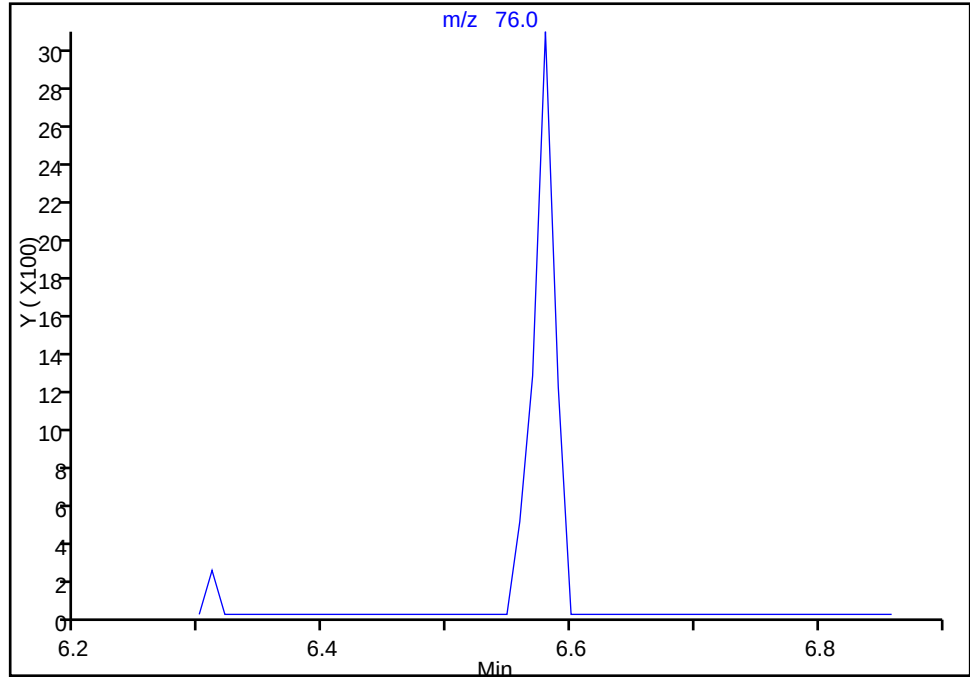
80 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

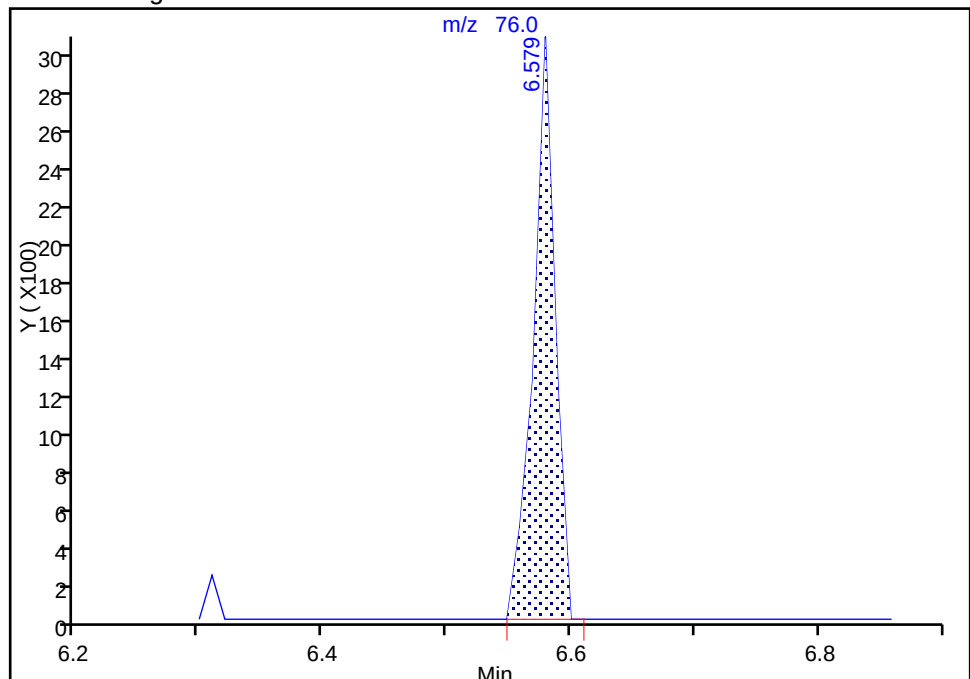
Not Detected

Expected RT: 6.58

Processing Integration Results



Manual Integration Results



RT: 6.58

Area: 3714

Amount: 0.327541

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:40:24

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

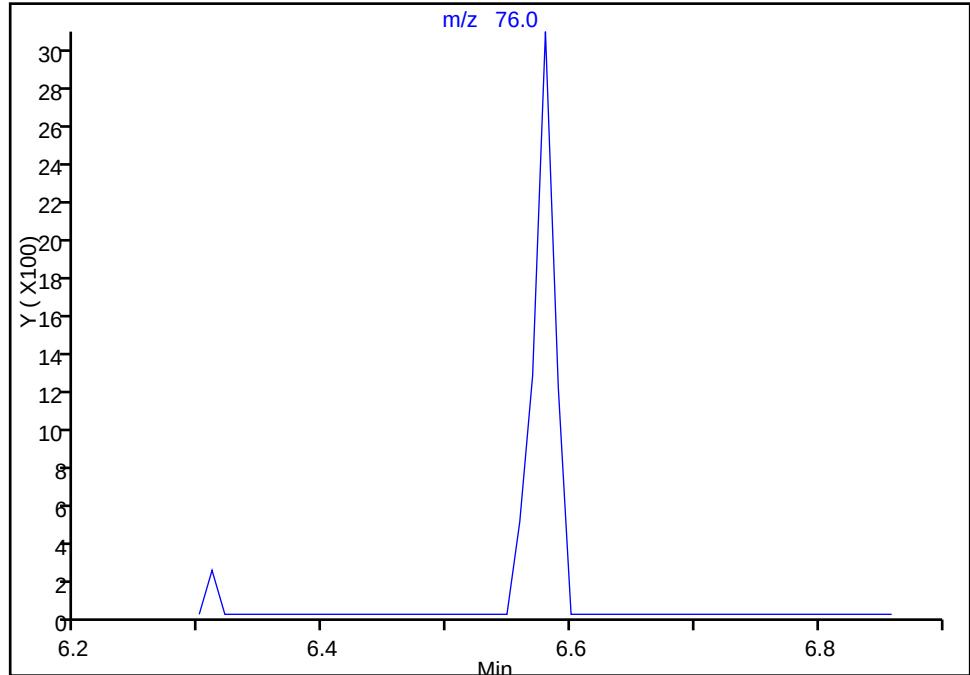
80 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

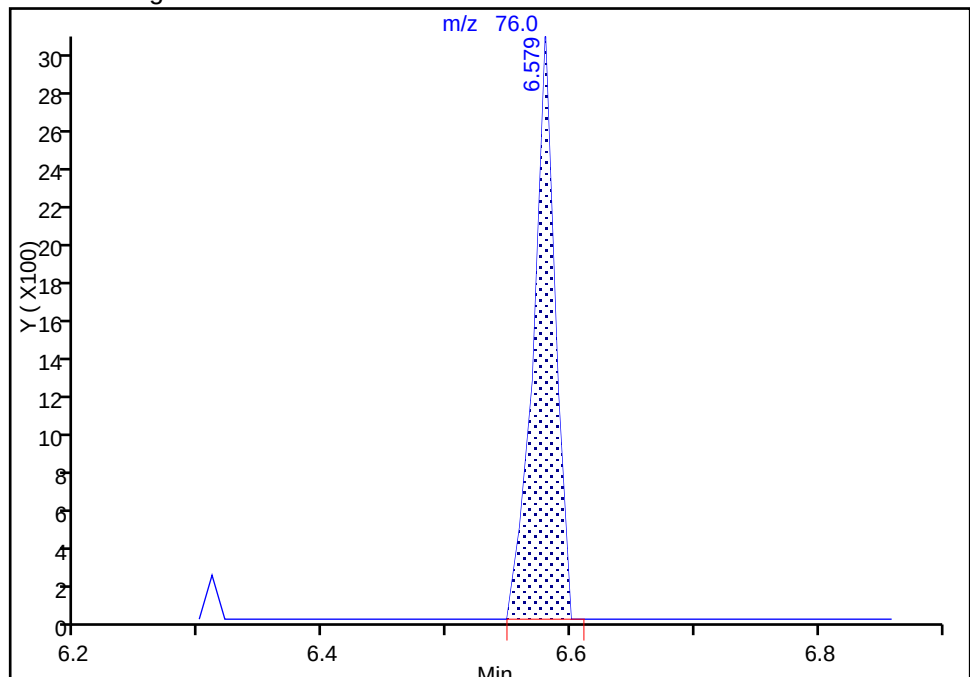
Not Detected

Expected RT: 6.58

Processing Integration Results



Manual Integration Results



RT: 6.58

Area: 3714

Amount: 0.327541

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:40:28

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

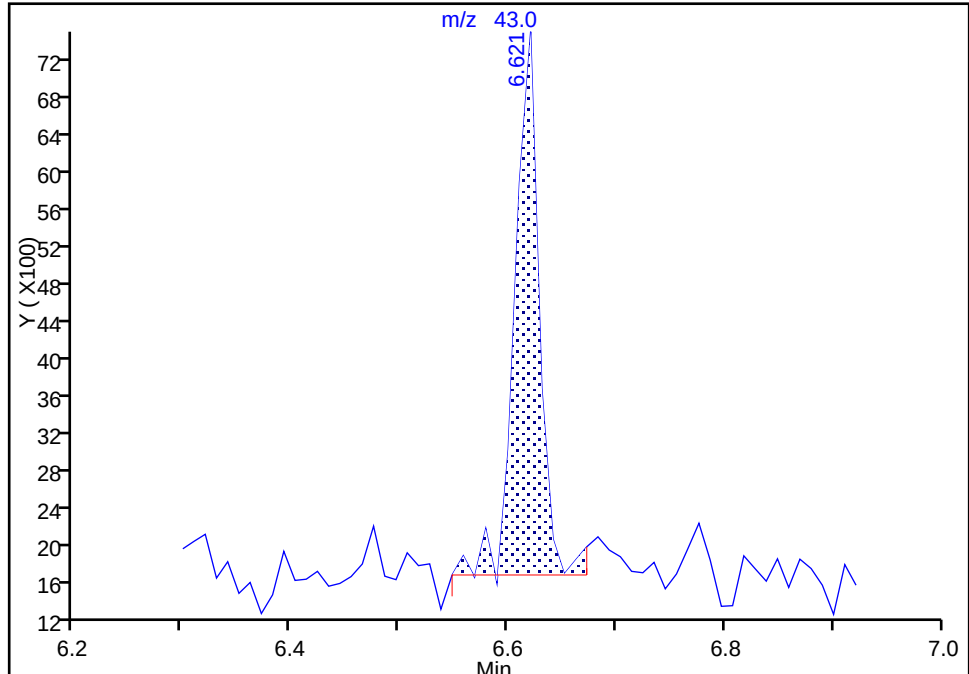
Detector: MS SCAN

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

Signal: 1

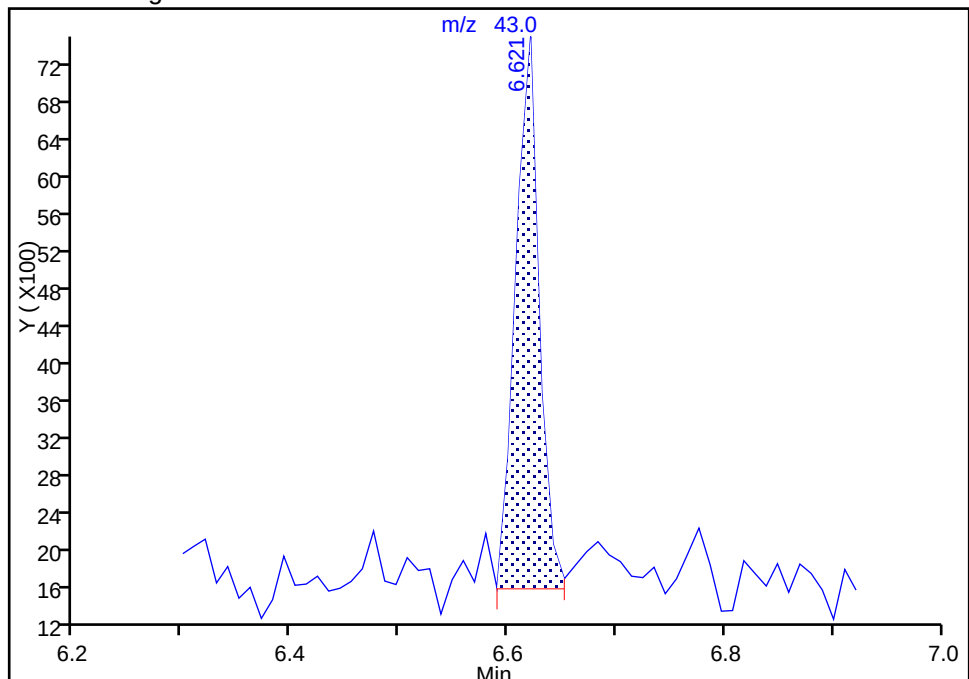
RT: 6.62
Area: 9193
Amount: 1.622002
Amount Units: ug/L

Processing Integration Results



RT: 6.62
Area: 8902
Amount: 1.529366
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:40:41

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

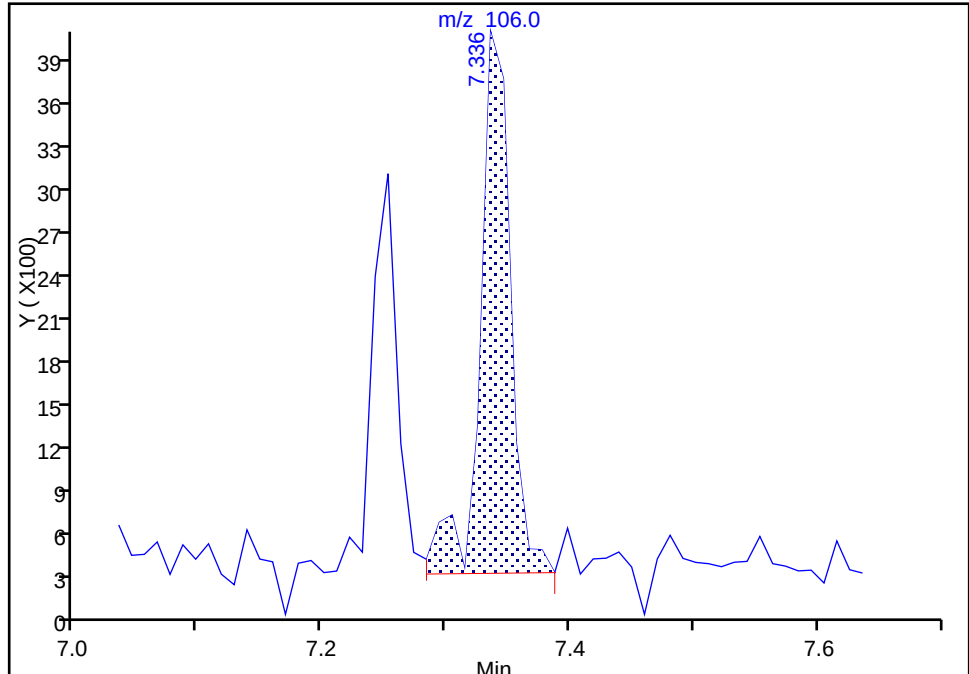
MS SCAN

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

Signal: 1

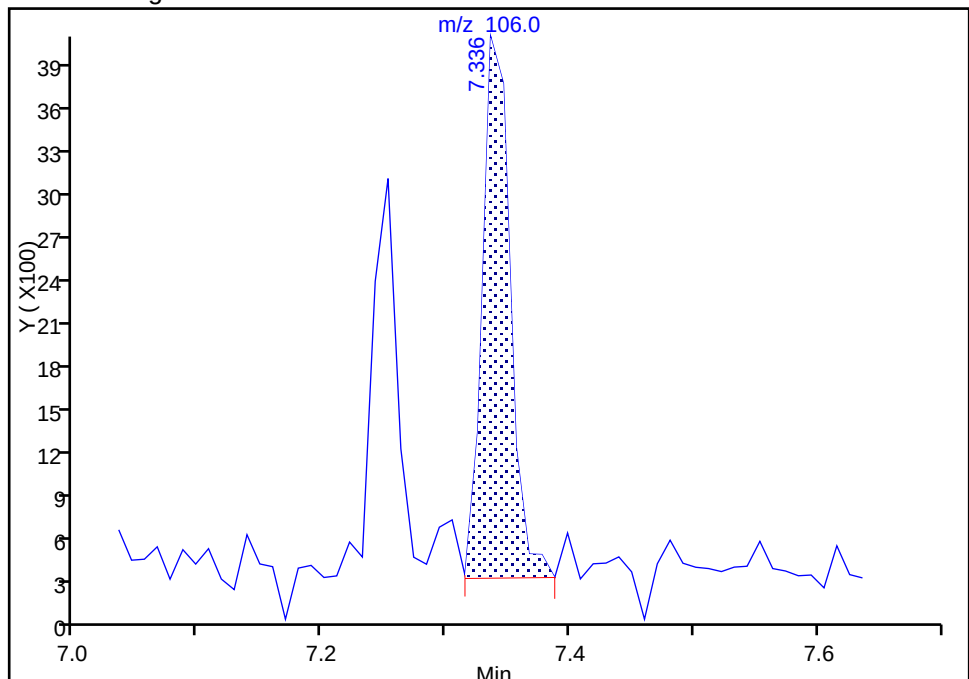
RT: 7.34
Area: 6434
Amount: 0.417893
Amount Units: ug/L

Processing Integration Results



RT: 7.34
Area: 5895
Amount: 0.382884
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:40:58

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

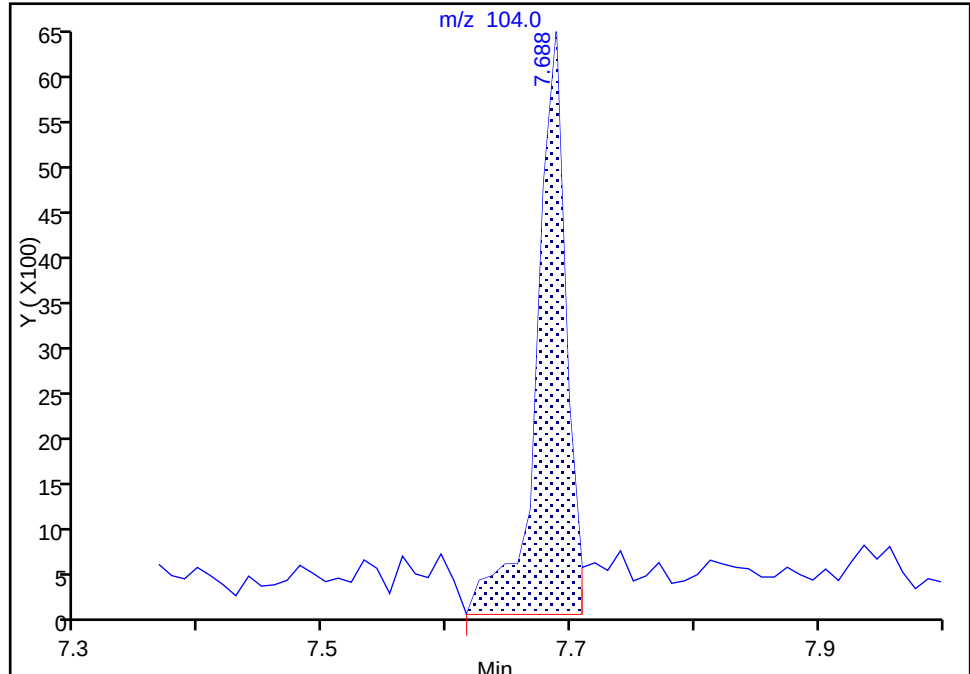
Detector: MS SCAN

92 Styrene, CAS: 100-42-5

Signal: 1

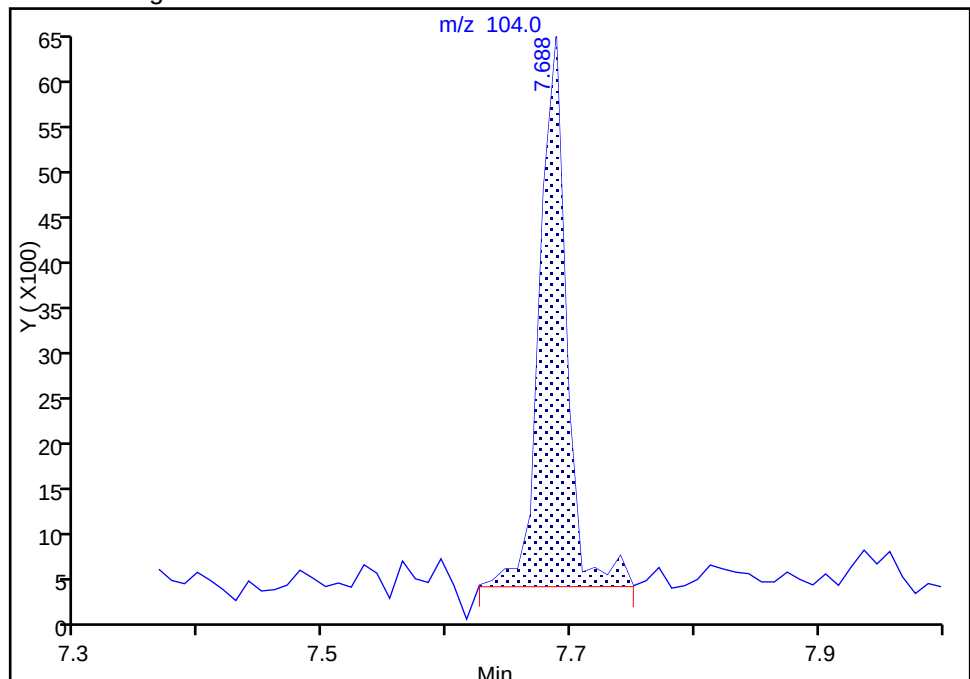
RT: 7.69
Area: 10647
Amount: 0.412842
Amount Units: ug/L

Processing Integration Results



RT: 7.69
Area: 9062
Amount: 0.353002
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:41:22

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

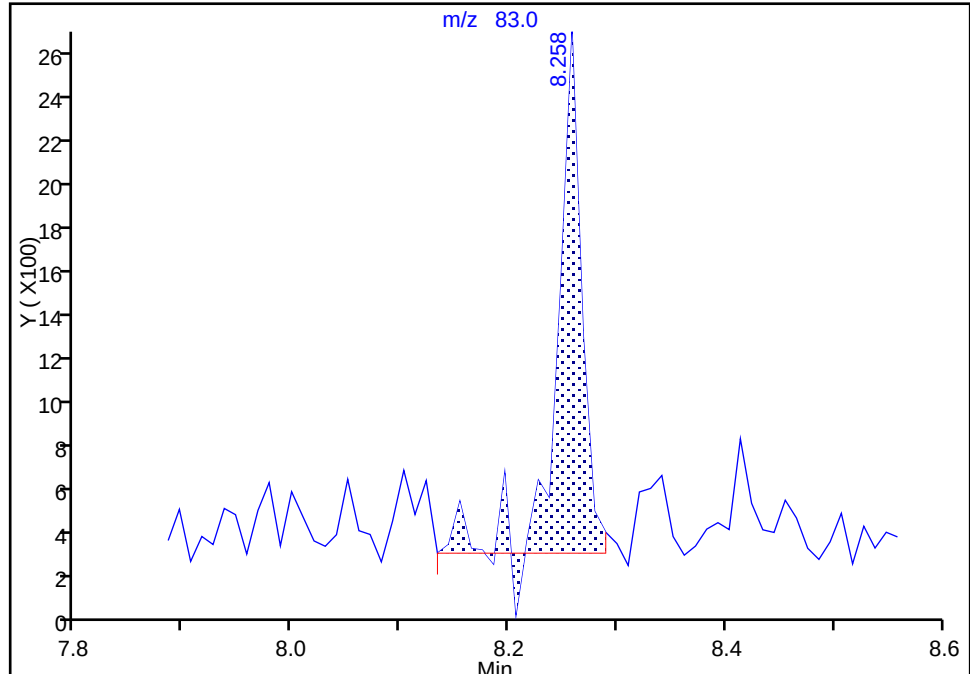
MS SCAN

98 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

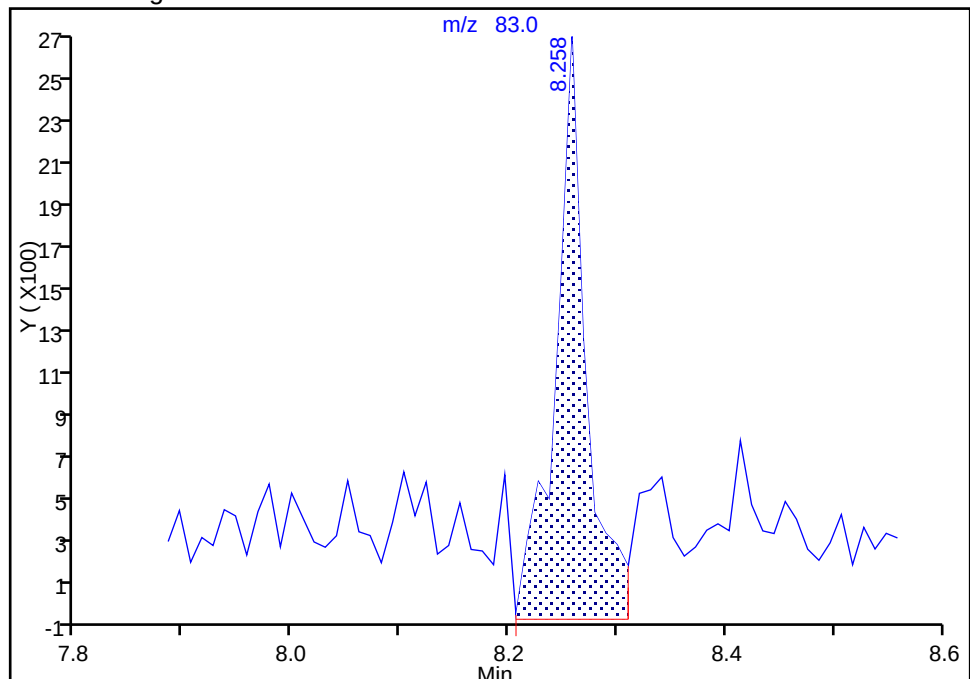
RT: 8.26
Area: 3598
Amount: 0.415134
Amount Units: ug/L

Processing Integration Results



RT: 8.26
Area: 5224
Amount: 0.629626
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:41:37

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3806.D

Injection Date: 11-Jan-2018 15:11:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: RR

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

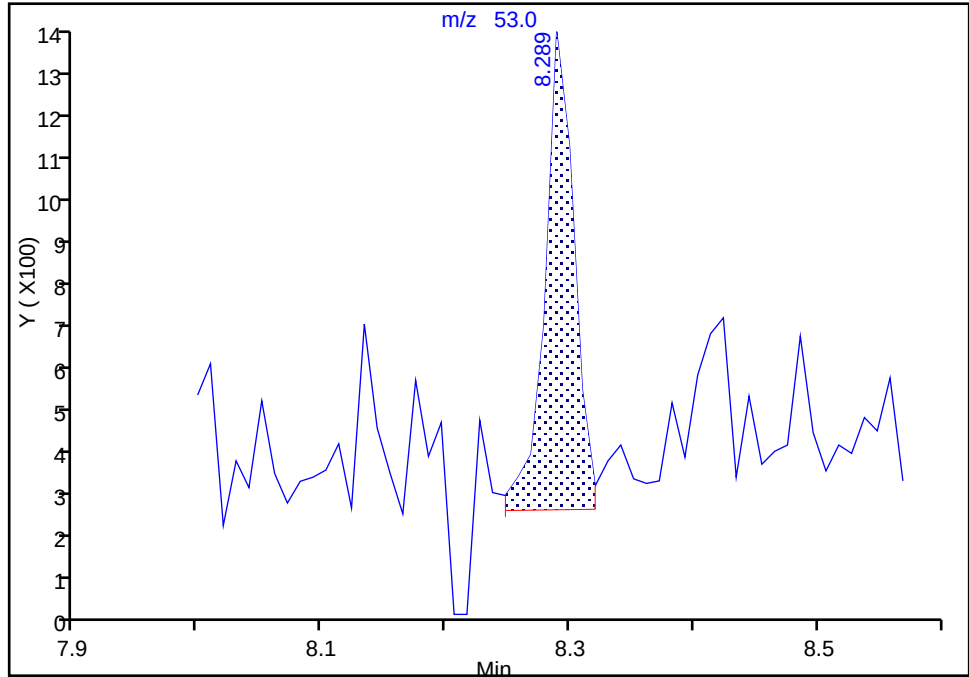
MS SCAN

101 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

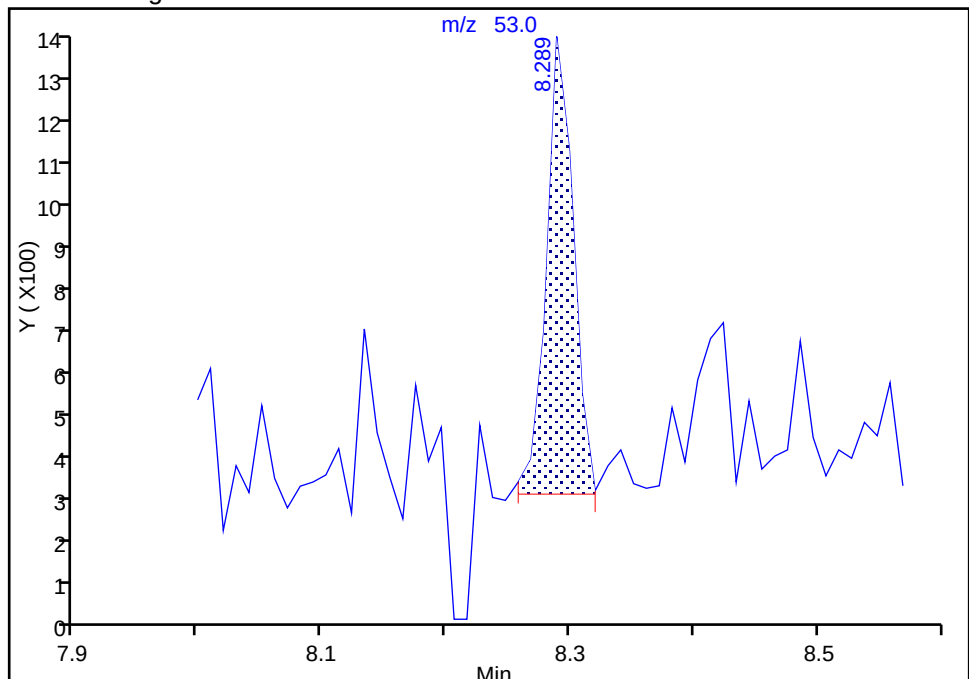
RT: 8.29
Area: 1899
Amount: 0.503590
Amount Units: ug/L

Processing Integration Results



RT: 8.29
Area: 1662
Amount: 0.457673
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 14:16:25

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 11-Jan-2018 15:34:30 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0068520-009
 Operator ID: RR Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Jan-2018 09:46:12 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: reiler

Date: 12-Jan-2018 13:43:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.869	4.869	0.000	98	142818	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	88	575530	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	97	309831	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.414	4.403	0.011	92	183036	25.0	25.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.652	4.652	0.000	0	229087	25.0	25.2	
\$ 6 Toluene-d8 (Surr)	98	6.041	6.040	0.000	94	647229	25.0	24.9	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.000	87	210830	25.0	25.2	
11 Dichlorodifluoromethane	85	1.242	1.232	0.010	71	10571	1.00	1.07	M
13 Chloromethane	50	1.398	1.398	0.000	95	11856	1.00	0.9520	M
151 Butadiene	54	1.481	1.481	0.000	83	11063	1.00	1.04	
14 Vinyl chloride	62	1.481	1.481	0.000	96	11654	1.00	1.08	
15 Bromomethane	94	1.771	1.771	0.000	90	6596	1.00	1.07	M
16 Chloroethane	64	1.843	1.843	0.000	37	6560	1.00	1.10	M
17 Trichlorofluoromethane	101	2.061	2.051	0.010	86	14249	1.00	1.09	
18 Dichlorofluoromethane	67	2.071	2.061	0.010	93	16564	1.00	1.18	M
19 Ethyl ether	59	2.299	2.299	0.000	48	7978	1.00	1.08	M
21 Acrolein	56	2.486	2.475	0.011	92	7388	5.00	5.66	M
22 1,1-Dichloroethene	96	2.517	2.507	0.010	96	6992	1.00	1.04	
20 1,1,2-Trichloro-1,2,2-trif	101	2.517	2.517	0.000	1	6164	1.00	0.8928	M
23 Acetone	43	2.631	2.621	0.010	95	15258	5.00	5.81	M
24 Iodomethane	142	2.673	2.662	0.011	97	12318	1.00	0.9405	
25 Carbon disulfide	76	2.693	2.693	0.000	100	21687	1.00	1.00	
27 3-Chloro-1-propene	41	2.849	2.849	0.000	85	18457	1.00	1.16	
28 Methyl acetate	43	2.901	2.890	0.010	100	13437	2.00	2.20	
30 Methylene Chloride	84	2.983	2.983	0.000	93	16340	1.00	1.14	M
31 2-Methyl-2-propanol	59	3.160	3.139	0.021	44	6794	10.0	9.71	
33 Methyl tert-butyl ether	73	3.170	3.170	0.000	97	20425	1.00	0.9589	
32 trans-1,2-Dichloroethene	96	3.180	3.180	0.000	94	8230	1.00	1.08	
34 Acrylonitrile	53	3.242	3.242	0.000	97	27392	10.0	9.64	
35 Hexane	57	3.346	3.346	0.000	93	16025	1.00	1.19	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.553	3.553	0.000	97	15140	1.00	1.02	
39 Vinyl acetate	43	3.595	3.584	0.011	97	38808	2.00	2.04	
42 2,2-Dichloropropane	77	3.999	3.988	0.011	90	13588	1.00	1.10	
43 cis-1,2-Dichloroethene	96	4.020	4.020	0.000	85	9584	1.00	1.08	M
44 2-Butanone (MEK)	43	4.051	4.040	0.011	98	19145	5.00	5.51	
47 Chlorobromomethane	128	4.217	4.216	0.001	94	5092	1.00	1.14	M
48 Tetrahydrofuran	42	4.227	4.227	0.000	80	6701	2.00	2.62	M
50 Chloroform	83	4.279	4.279	0.000	94	17411	1.00	1.21	
52 Cyclohexane	56	4.372	4.372	0.000	94	14578	1.00	0.9225	
51 1,1,1-Trichloroethane	97	4.372	4.372	0.000	94	12570	1.00	1.02	
53 Carbon tetrachloride	117	4.476	4.486	-0.010	78	11898	1.00	1.02	
54 1,1-Dichloropropene	75	4.486	4.486	0.000	82	9566	1.00	1.00	
55 Benzene	78	4.652	4.652	0.000	45	27079	1.00	0.9795	
56 Isobutyl alcohol	43	4.673	4.662	0.011	29	7593	25.0	26.1	
57 1,2-Dichloroethane	62	4.714	4.714	0.000	96	13836	1.00	1.06	
59 n-Heptane	43	4.787	4.786	0.001	94	19326	1.00	1.21	
60 Trichloroethene	95	5.139	5.139	0.000	89	8376	1.00	1.04	
62 Methylcyclohexane	83	5.232	5.232	0.000	95	14880	1.00	1.15	M
63 1,2-Dichloropropane	63	5.336	5.336	0.000	86	10045	1.00	1.15	M
65 Dibromomethane	93	5.439	5.439	0.000	93	5625	1.00	1.09	
66 1,4-Dioxane	88	5.439	5.439	0.000	1	412	20.0	10.4	
67 Dichlorobromomethane	83	5.564	5.553	0.011	96	9915	1.00	0.9478	
69 2-Chloroethyl vinyl ether	63	5.761	5.761	0.000	94	6748	1.00	1.21	M
71 cis-1,3-Dichloropropene	75	5.875	5.875	0.000	87	12006	1.00	1.01	
72 4-Methyl-2-pentanone (MIBK)	43	5.989	5.978	0.011	98	37804	5.00	4.77	
73 Toluene	92	6.092	6.092	0.000	98	19361	1.00	1.02	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	1	10913	1.00	0.9635	M
77 Ethyl methacrylate	69	6.331	6.331	0.001	92	7774	1.00	0.8804	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	91	5705	1.00	1.05	
79 Tetrachloroethene	166	6.496	6.496	0.000	91	7844	1.00	0.9390	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	83	11235	1.00	1.02	
81 2-Hexanone	43	6.621	6.610	0.011	97	27286	5.00	4.84	
82 Chlorodibromomethane	129	6.756	6.755	0.001	89	8077	1.00	0.9675	
83 Ethylene Dibromide	107	6.838	6.838	0.000	95	7554	1.00	1.06	
86 Chlorobenzene	112	7.191	7.191	0.000	95	21995	1.00	1.01	
88 Ethylbenzene	91	7.253	7.253	0.000	98	36921	1.00	1.00	
89 1,1,1,2-Tetrachloroethane	131	7.263	7.263	0.000	90	8621	1.00	1.02	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	15776	1.00	1.06	
91 o-Xylene	106	7.657	7.667	-0.010	97	14522	1.00	1.01	
92 Styrene	104	7.688	7.688	0.000	93	22644	1.00	0.9117	
93 Bromoform	173	7.885	7.885	0.000	90	4834	1.00	0.9739	
95 Isopropylbenzene	105	7.947	7.947	0.000	95	37297	1.00	1.00	
97 Bromobenzene	156	8.227	8.227	0.000	90	9285	1.00	0.9583	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	94	8289	1.00	1.03	M
99 N-Propylbenzene	91	8.279	8.279	0.000	99	41184	1.00	0.9536	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	89	2637	1.00	0.9867	
101 trans-1,4-Dichloro-2-buten	53	8.300	8.289	0.011	71	3753	1.00	1.06	M
105 2-Chlorotoluene	126	8.372	8.362	0.010	95	8686	1.00	0.9898	
104 1,3,5-Trimethylbenzene	105	8.414	8.413	0.001	95	33053	1.00	1.01	
102 4-Chlorotoluene	91	8.455	8.455	0.000	97	30401	1.00	1.09	
106 tert-Butylbenzene	134	8.673	8.673	0.000	93	6869	1.00	0.9511	
107 1,2,4-Trimethylbenzene	105	8.725	8.724	0.001	96	34127	1.00	1.01	

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	8.849	8.849	0.000	95	37082	1.00	0.9221	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	33980	1.00	0.9486	
110 1,3-Dichlorobenzene	146	8.984	8.983	0.001	94	17287	1.00	0.9211	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	90	19224	1.00	1.00	
115 n-Butylbenzene	91	9.305	9.305	0.000	97	32102	1.00	1.00	
116 1,2-Dichlorobenzene	146	9.367	9.367	0.000	95	17918	1.00	1.00	
117 1,2-Dibromo-3-Chloropropan	75	10.041	10.040	0.001	31	1564	1.00	0.99	
119 1,2,4-Trichlorobenzene	180	10.694	10.693	0.001	93	13419	1.00	1.03	
120 Hexachlorobutadiene	225	10.787	10.787	0.000	93	6010	1.00	0.9475	
121 Naphthalene	128	10.901	10.901	0.000	97	29969	1.00	0.9677	
122 1,2,3-Trichlorobenzene	180	11.098	11.098	0.000	1	11975	1.00	0.99	M
S 123 1,3-Dichloropropene, Total	1				0			1.97	
S 124 1,2-Dichloroethene, Total	1				0			2.16	
S 125 Total BTEX	1				0			5.07	
S 126 Xylenes, Total	1				0			2.07	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00118

Amount Added: 1.00

Units: uL

GAS CORP mix_00259

Amount Added: 1.00

Units: uL

T_8260_IS_00184

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00165

Amount Added: 1.00

Units: uL

Run Reagent

Operator ID: RR

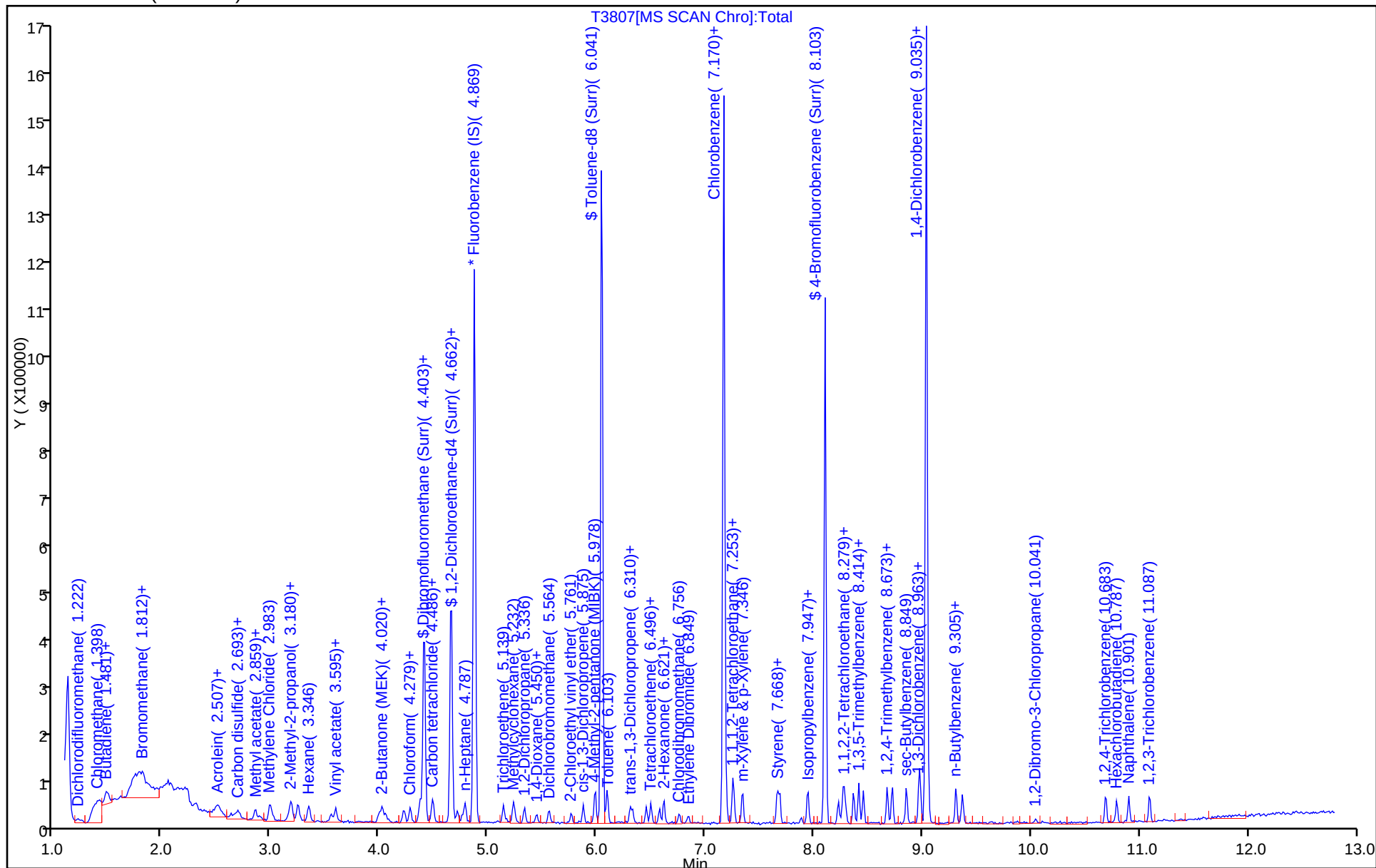
Worklist Smp#: 9

Client ID:

ALS Bottle#: 9

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

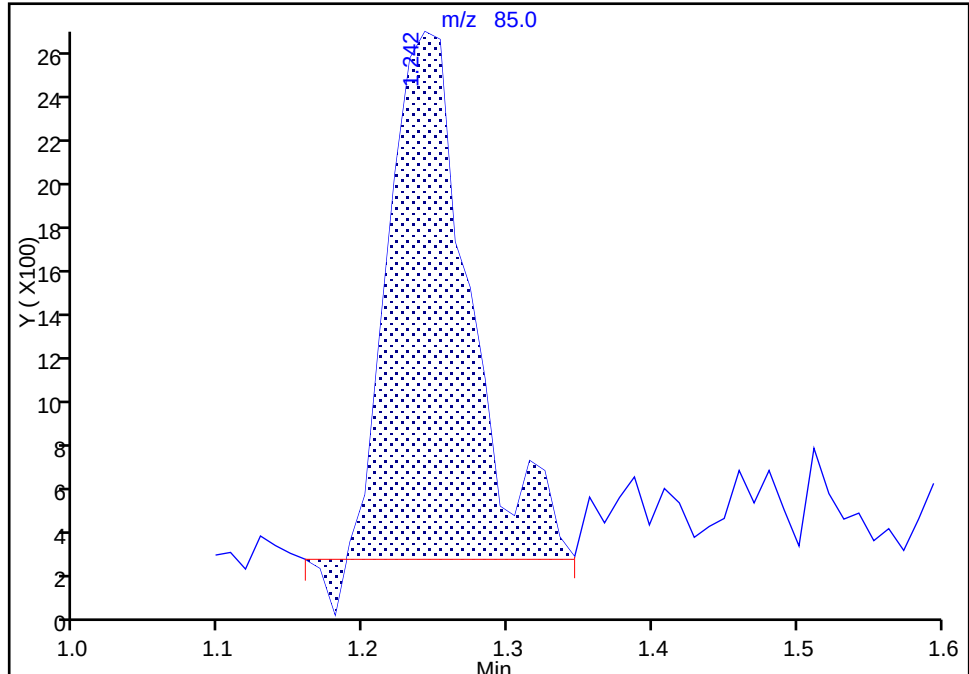
Detector: MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

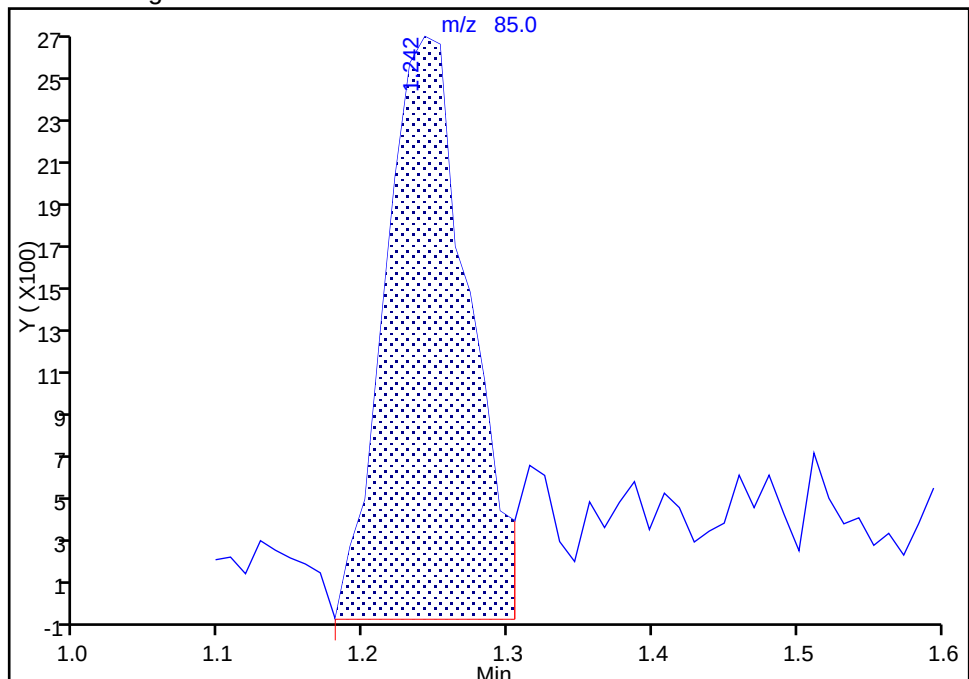
RT: 1.24
Area: 9128
Amount: 0.983423
Amount Units: ug/L

Processing Integration Results



RT: 1.24
Area: 10571
Amount: 1.069321
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:42:27

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

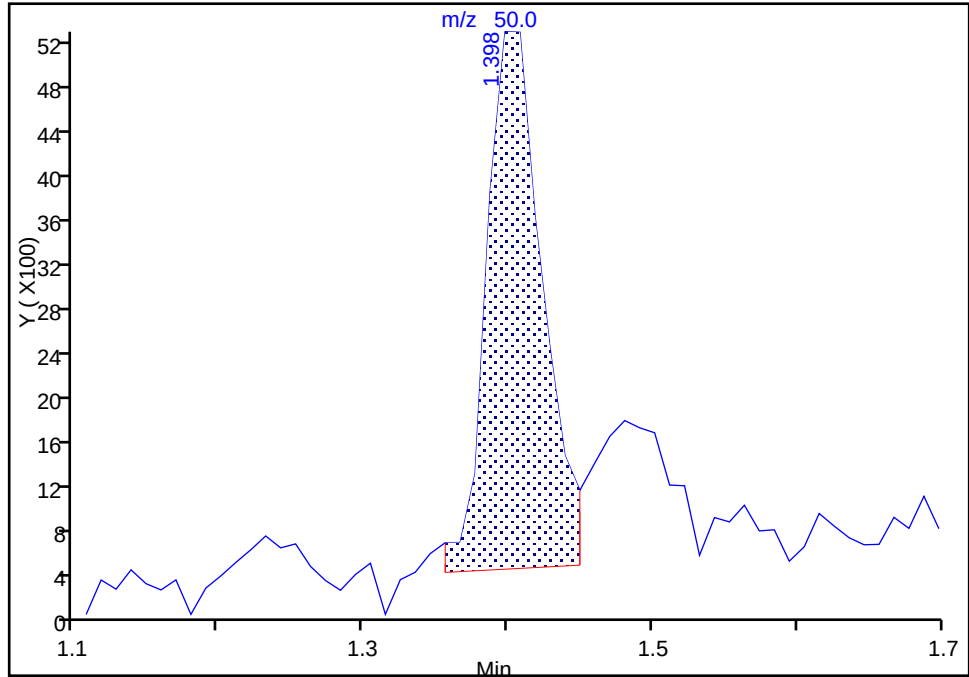
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D
Injection Date: 11-Jan-2018 15:34:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: RR ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

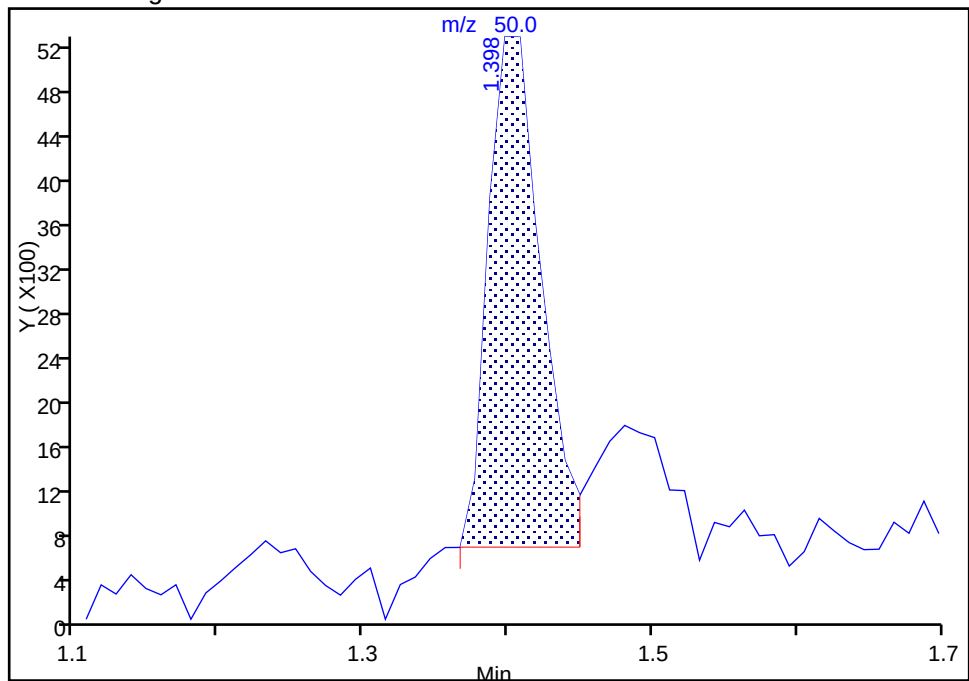
RT: 1.40
Area: 13352
Amount: 1.069522
Amount Units: ug/L

Processing Integration Results



RT: 1.40
Area: 11856
Amount: 0.952026
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:42:40
Audit Action: Manually Integrated

Audit Reason: Baseline
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01/22/2018

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

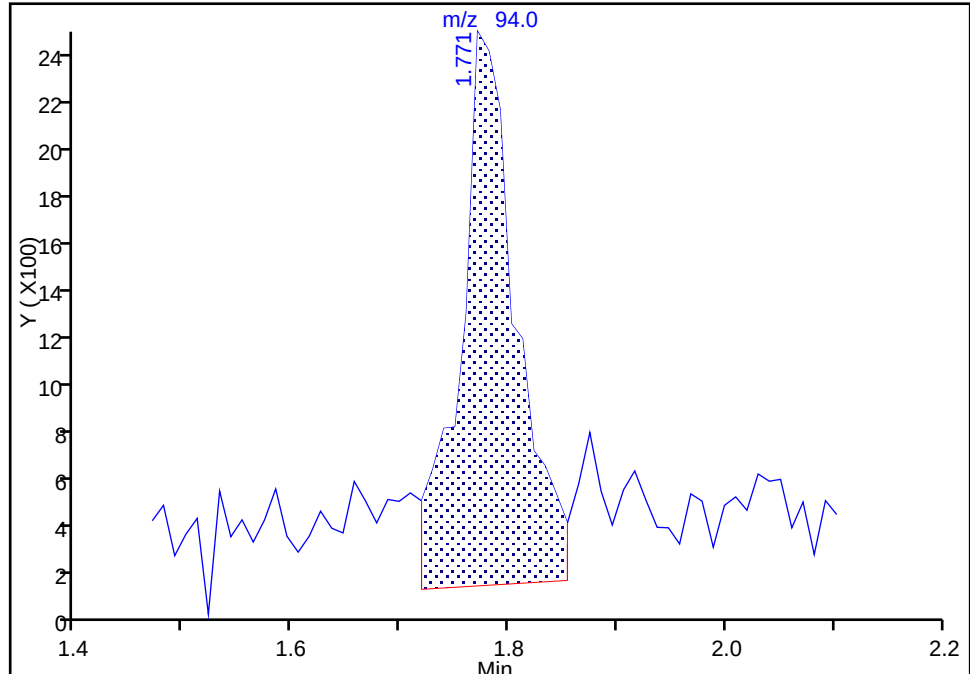
Detector: MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

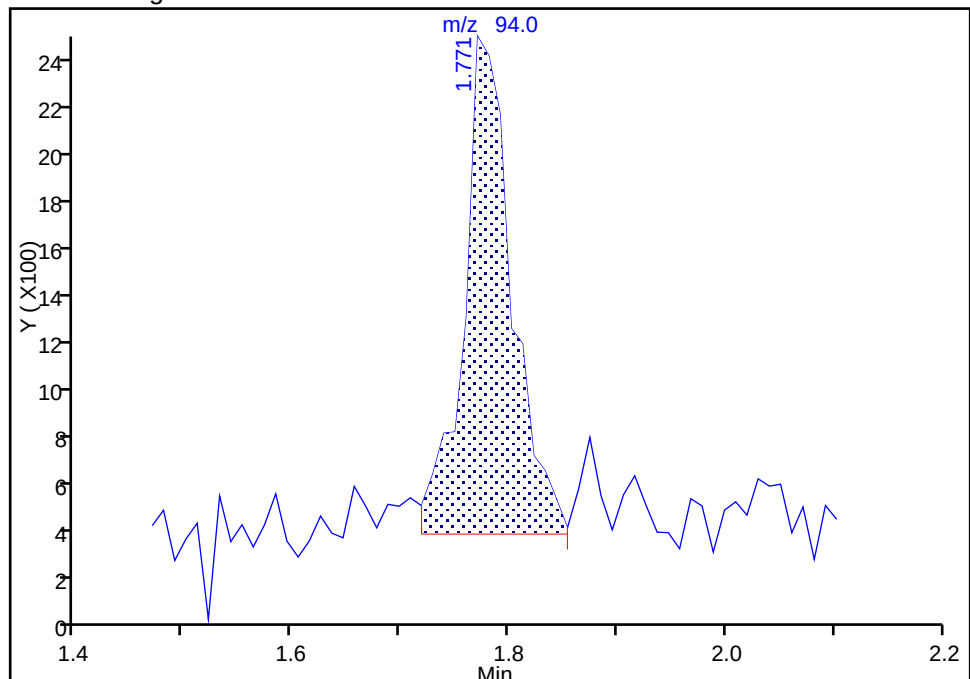
RT: 1.77
Area: 8668
Amount: 1.352967
Amount Units: ug/L

Processing Integration Results



RT: 1.77
Area: 6596
Amount: 1.072929
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:42:57

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

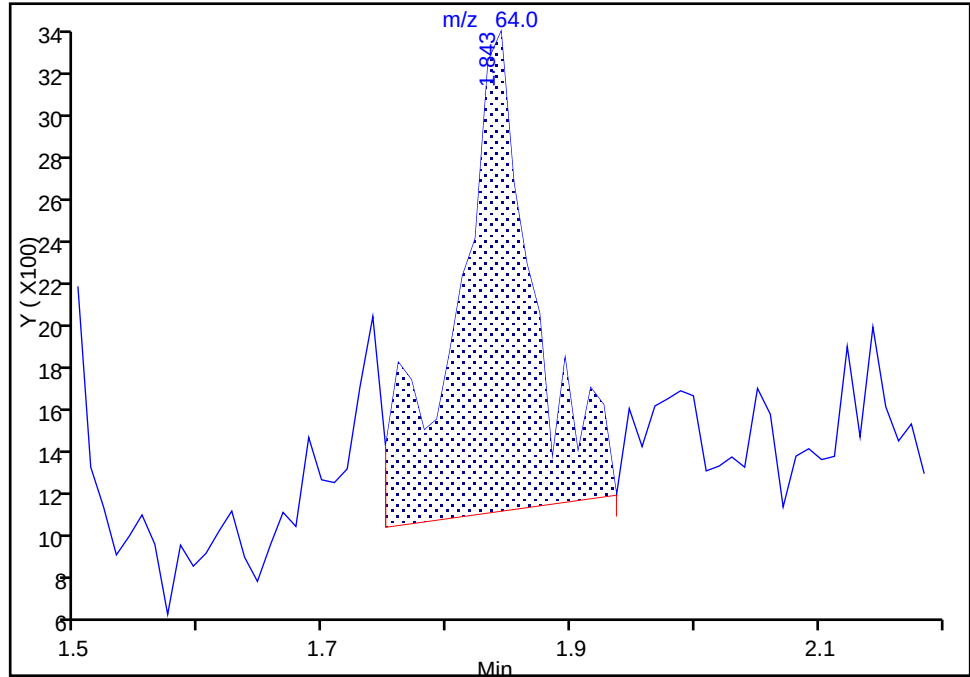
Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

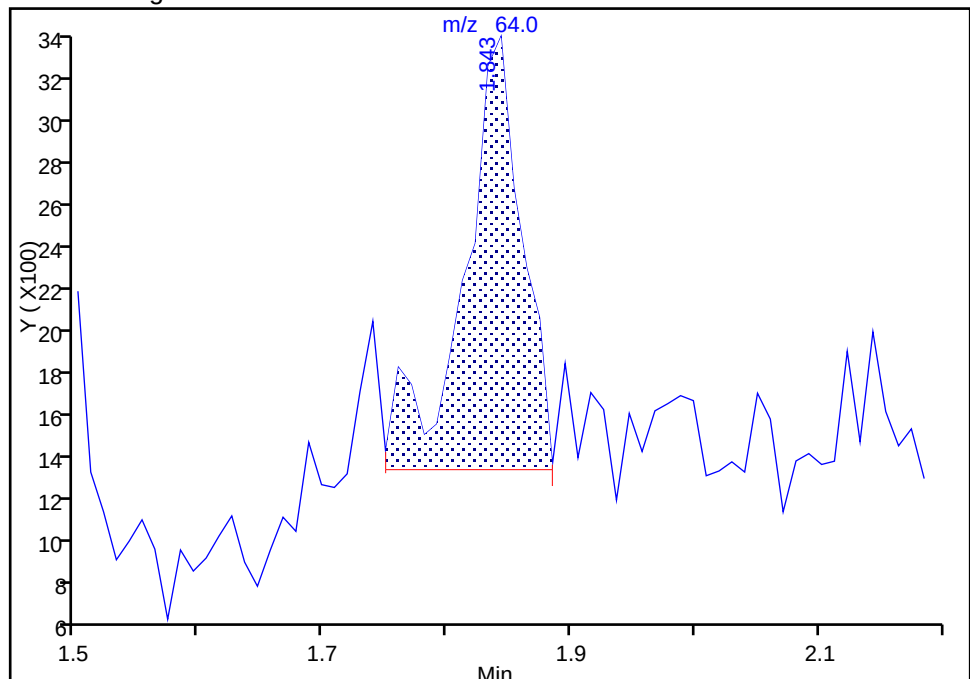
RT: 1.84
Area: 9733
Amount: 1.306346
Amount Units: ug/L

Processing Integration Results



RT: 1.84
Area: 6560
Amount: 1.101968
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:43:54

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

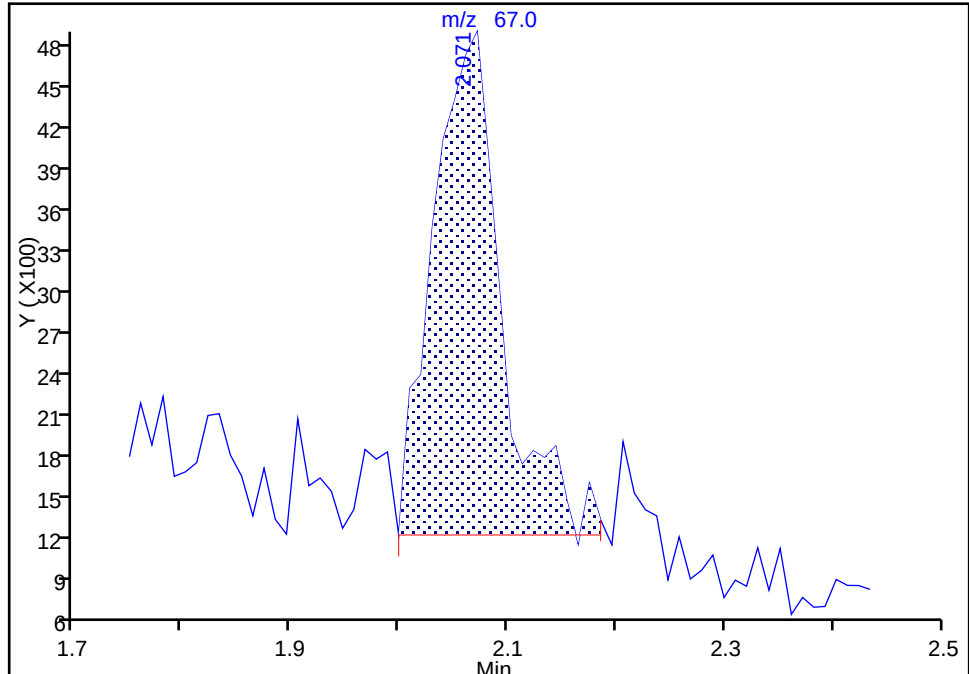
Detector: MS SCAN

18 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

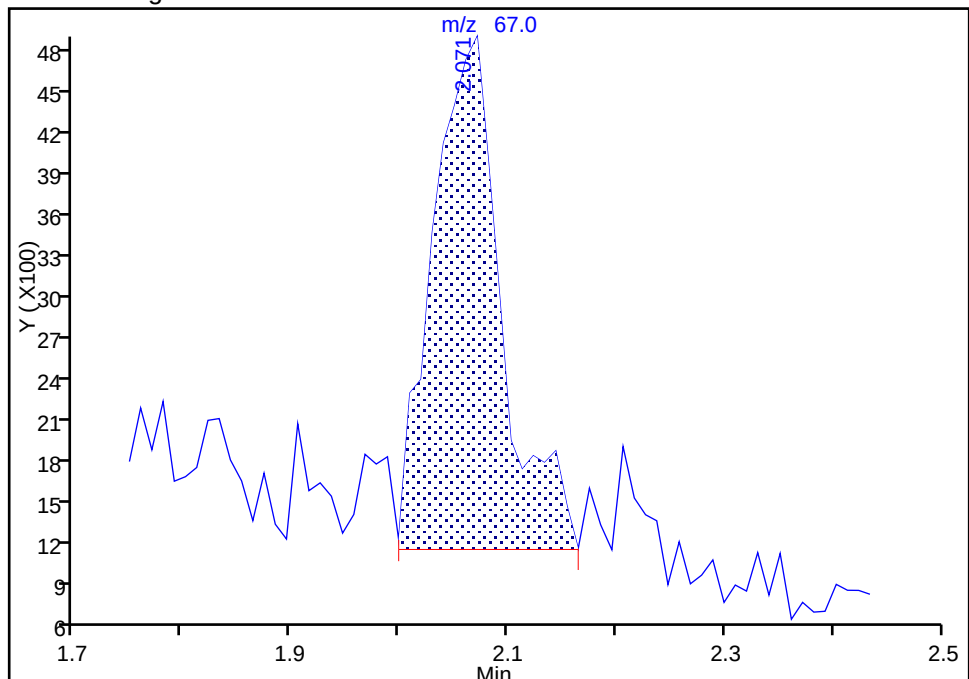
RT: 2.07
Area: 16125
Amount: 1.151922
Amount Units: ug/L

Processing Integration Results



RT: 2.07
Area: 16564
Amount: 1.178663
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:45:12

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

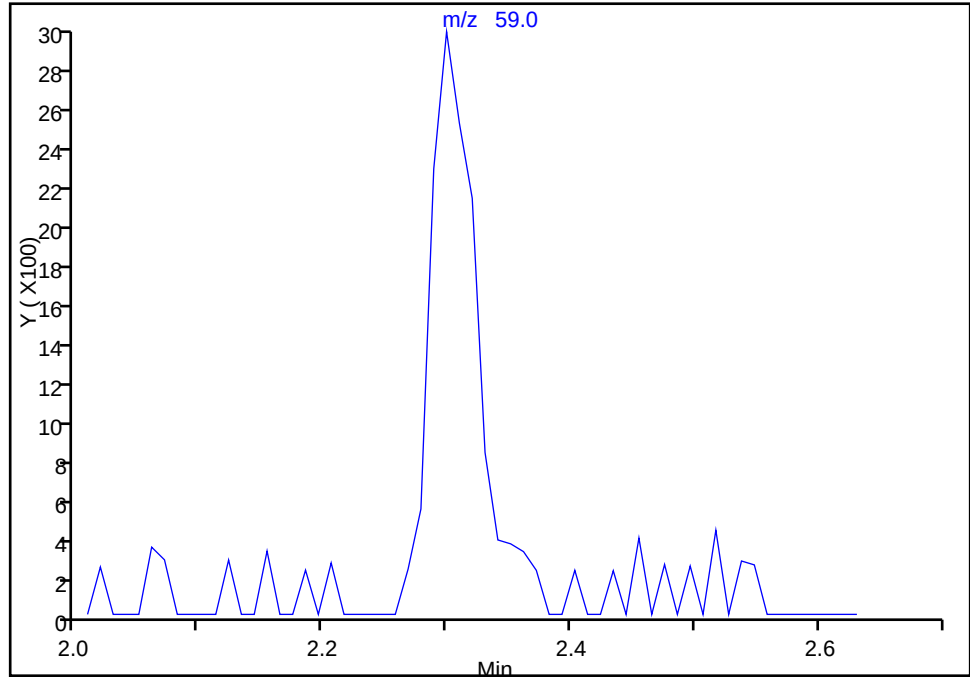
19 Ethyl ether, CAS: 60-29-7

Signal: 1

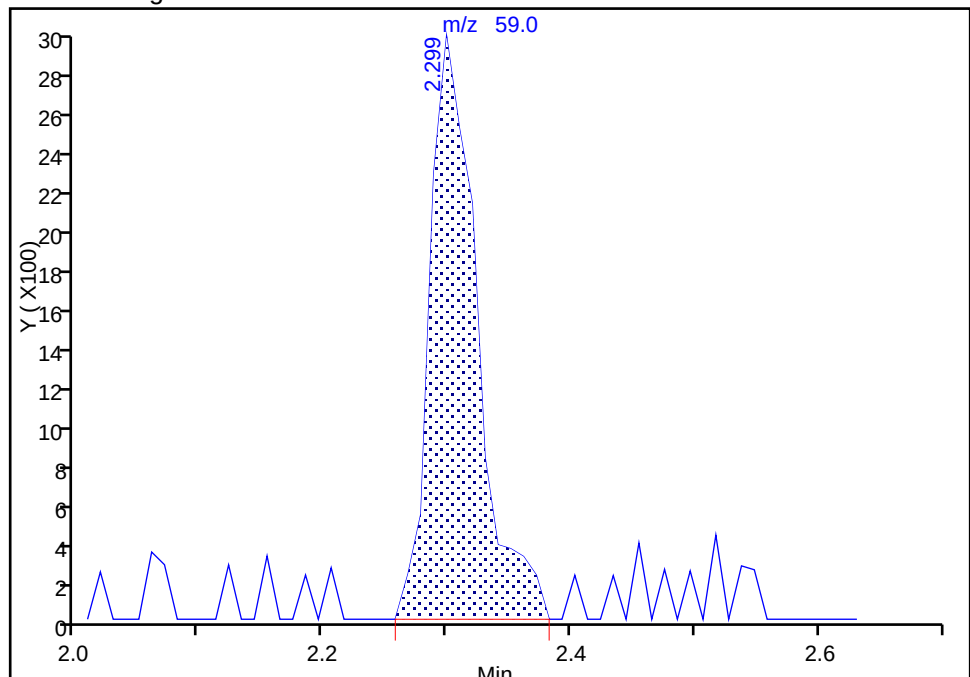
Not Detected

Expected RT: 2.30

Processing Integration Results



Manual Integration Results



RT: 2.30

Area: 7978

Amount: 1.081189

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:45:15

Audit Action: Assigned Compound ID

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

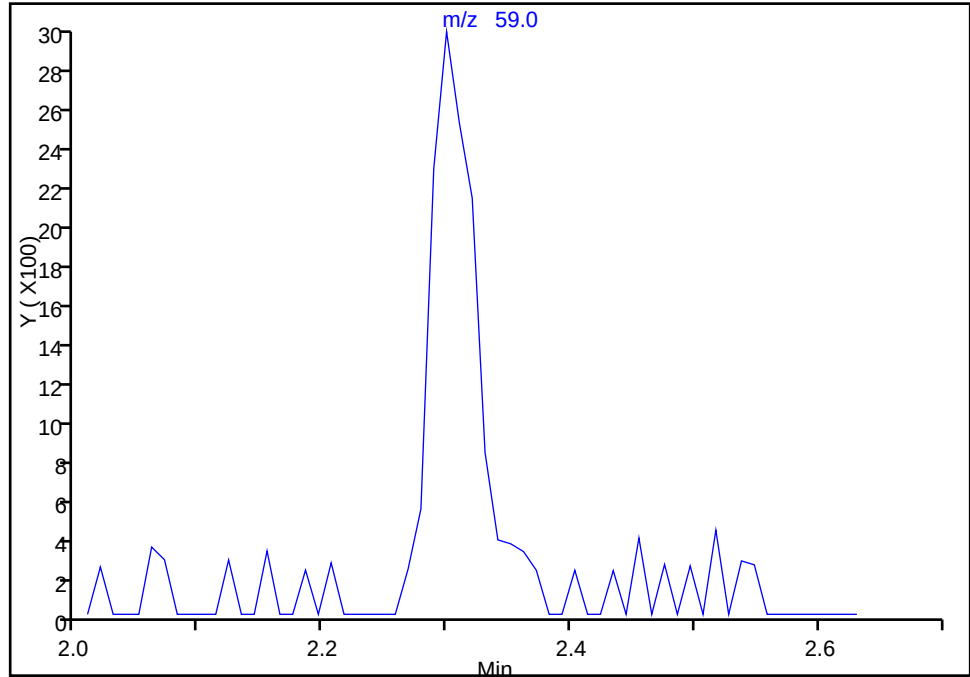
19 Ethyl ether, CAS: 60-29-7

Signal: 1

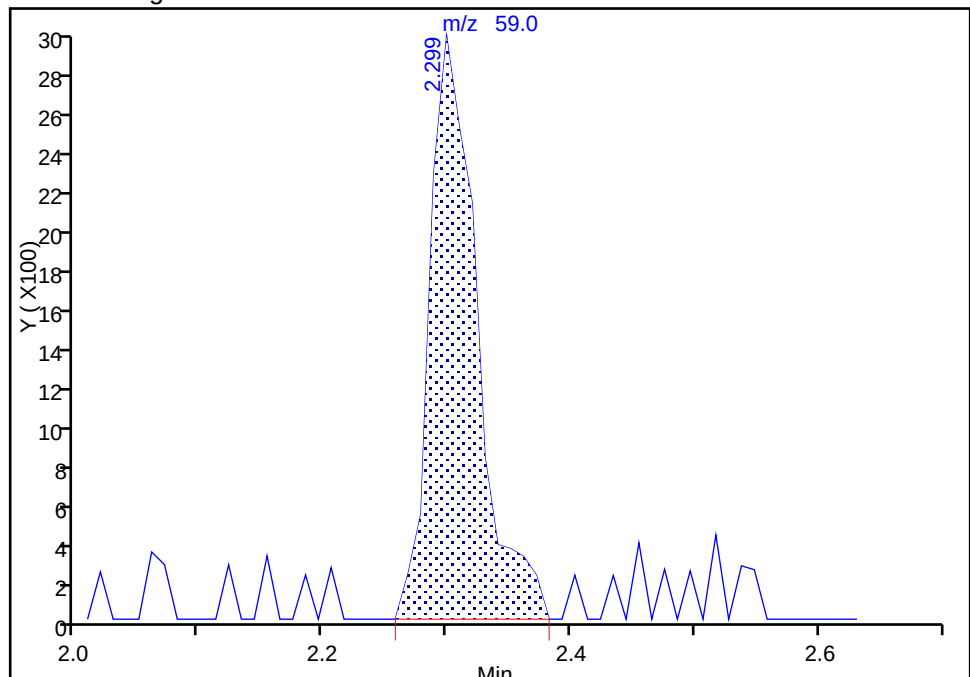
Not Detected

Expected RT: 2.30

Processing Integration Results



Manual Integration Results



RT: 2.30

Area: 7978

Amount: 1.081189

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:45:22

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

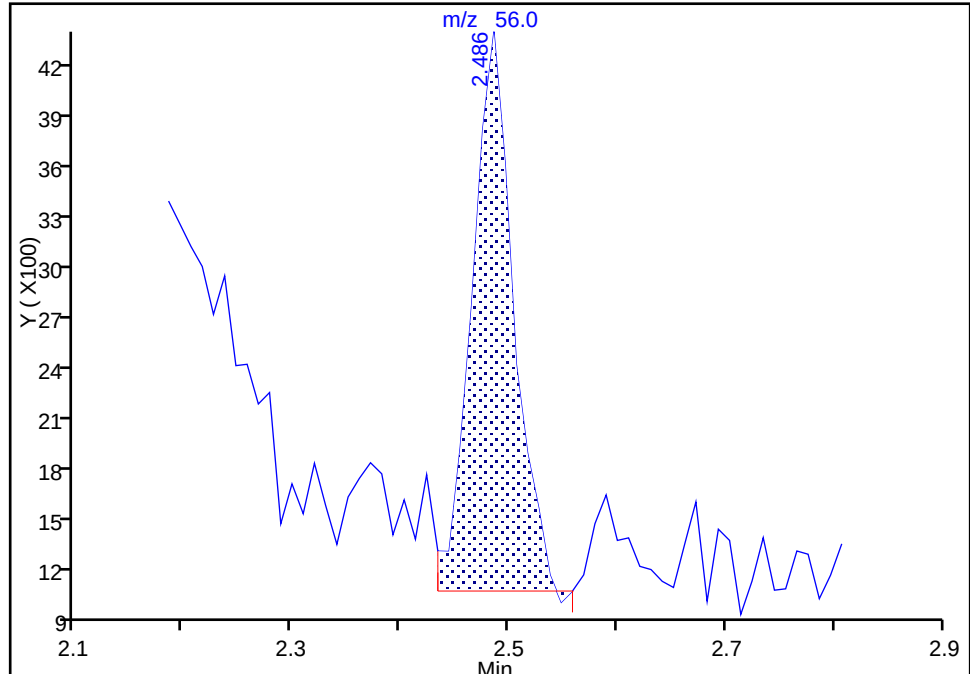
Detector: MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

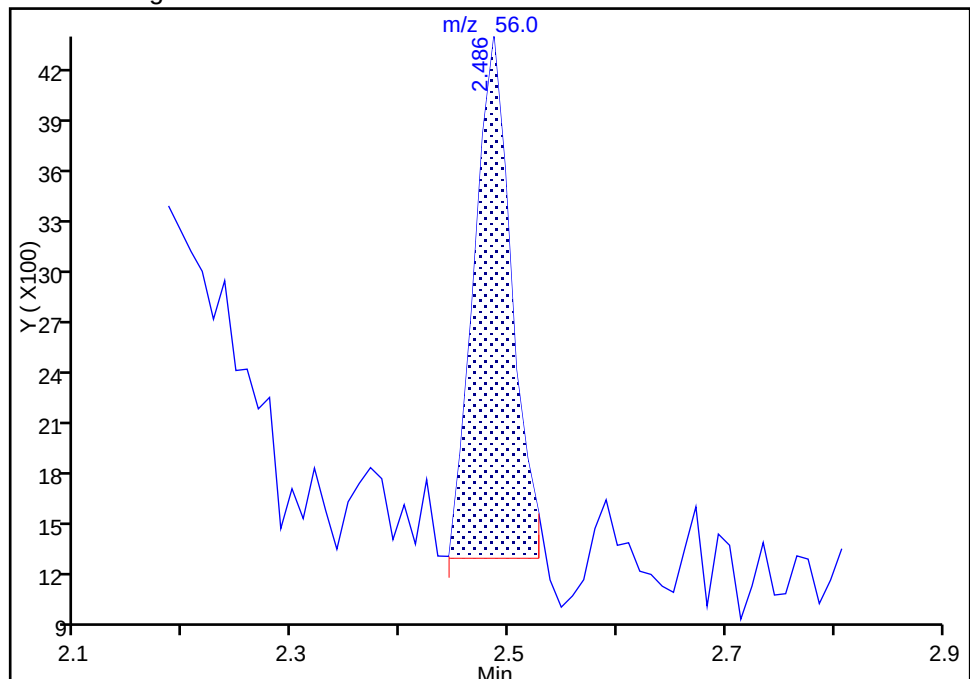
RT: 2.49
Area: 8789
Amount: 6.055573
Amount Units: ug/L

Processing Integration Results



RT: 2.49
Area: 7388
Amount: 5.662095
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 14:05:42

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector MS SCAN

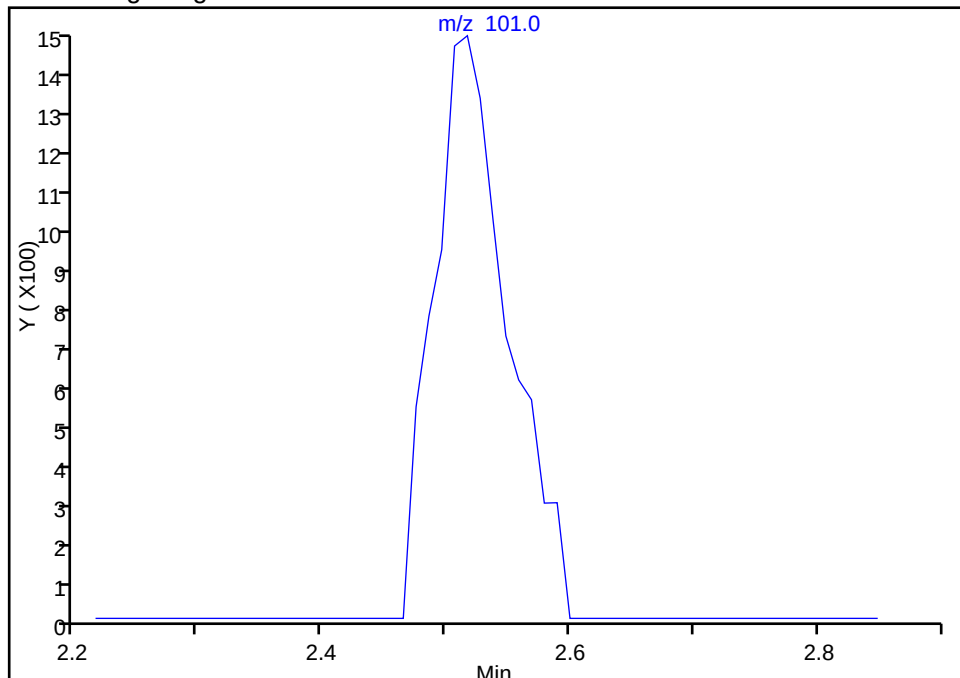
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

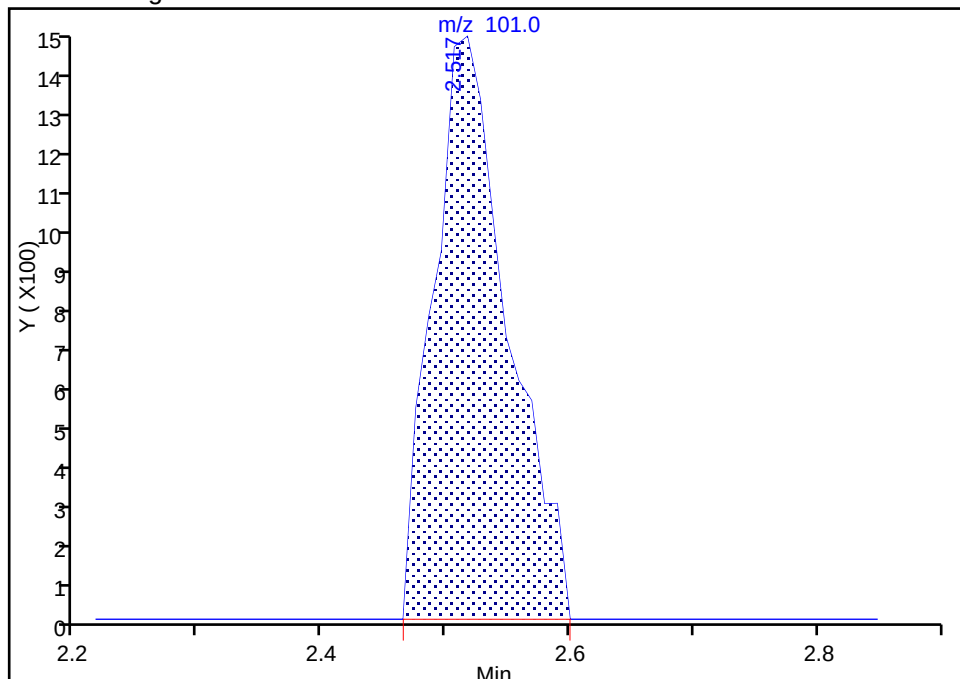
Not Detected

Expected RT: 2.52

Processing Integration Results



Manual Integration Results



RT: 2.52

Area: 6164

Amount: 0.892791

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:45:39

Audit Action: Assigned Compound ID

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

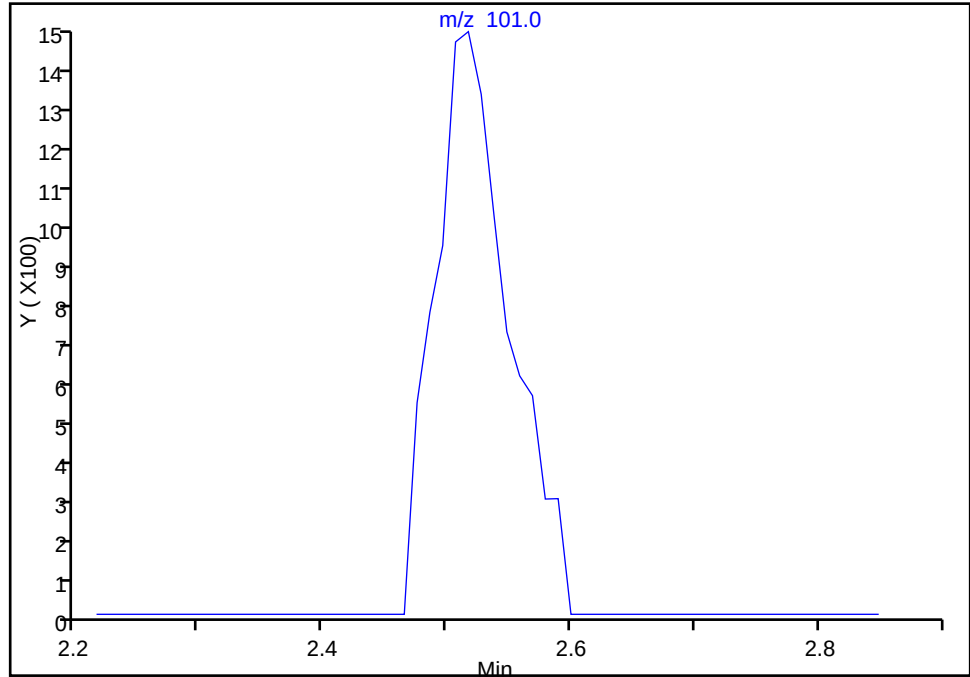
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

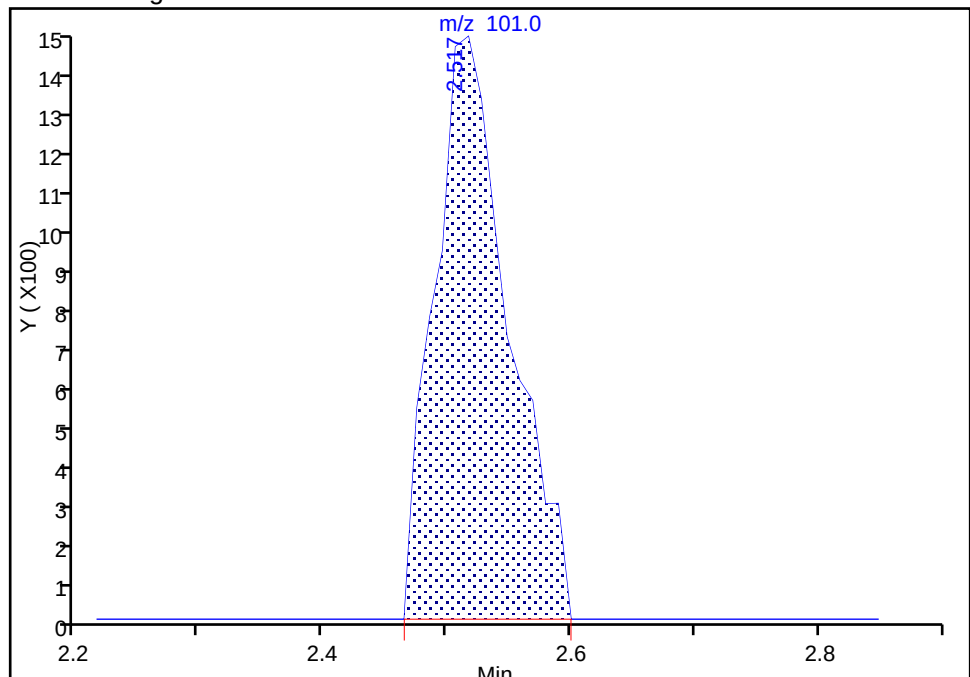
Not Detected

Expected RT: 2.52

Processing Integration Results



Manual Integration Results



RT: 2.52

Area: 6164

Amount: 0.892791

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:45:43

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

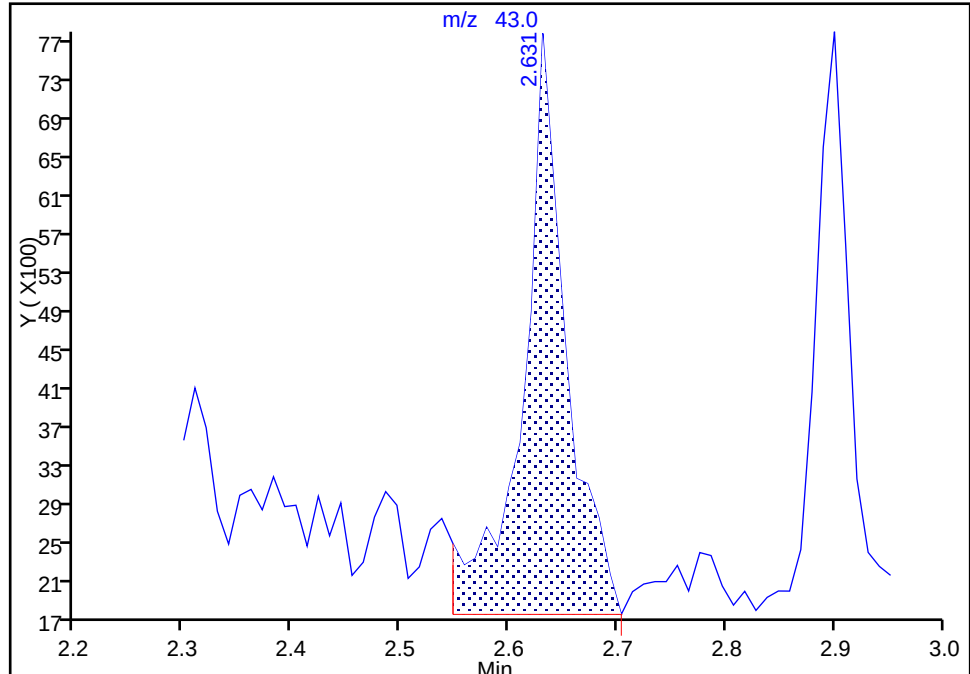
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

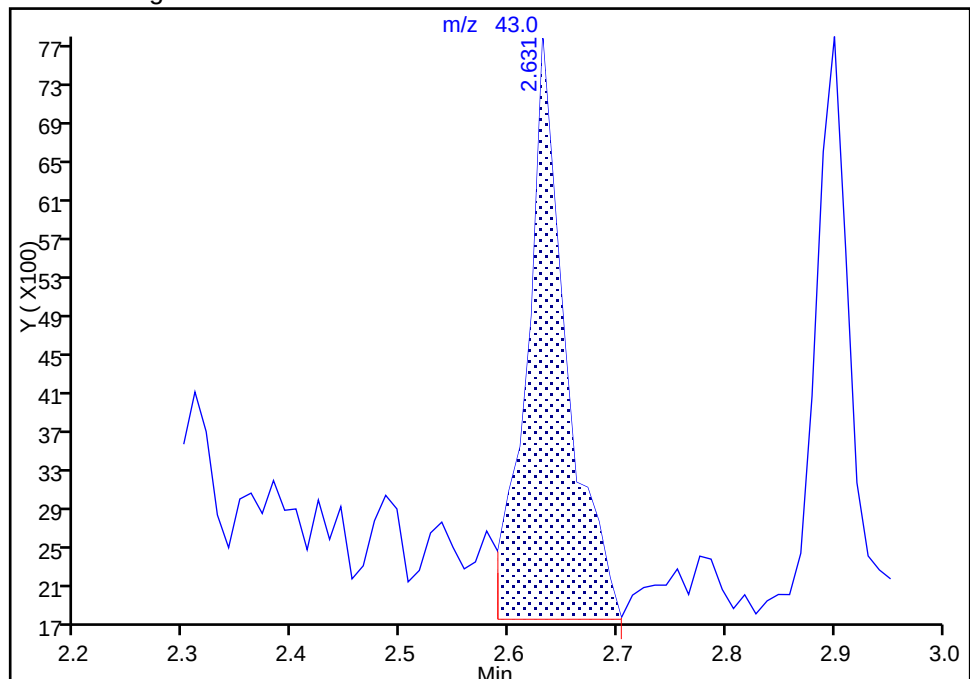
RT: 2.63
Area: 16838
Amount: 5.704500
Amount Units: ug/L

Processing Integration Results



RT: 2.63
Area: 15258
Amount: 5.810114
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:46:43

Audit Action: Split an Integrated Peak

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

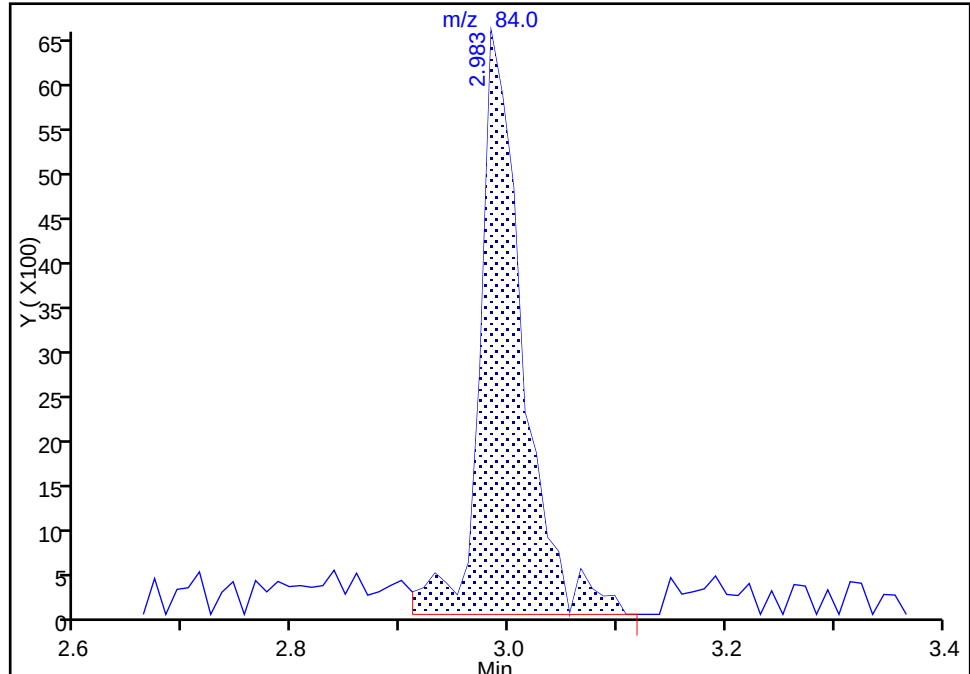
Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

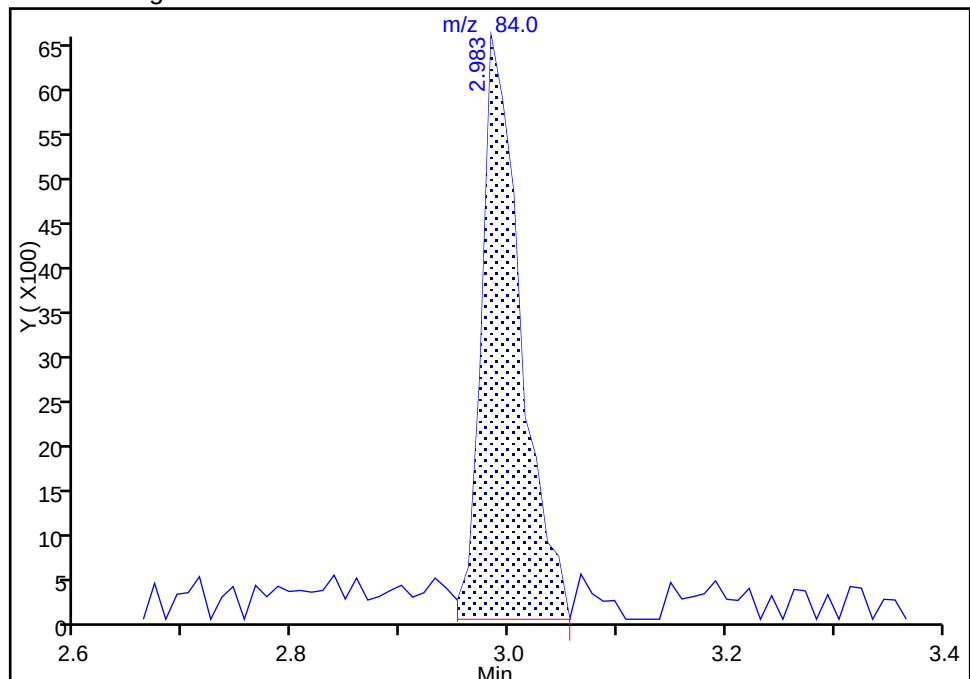
RT: 2.98
Area: 17930
Amount: 1.188520
Amount Units: ug/L

Processing Integration Results



RT: 2.98
Area: 16340
Amount: 1.140710
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:46:59

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

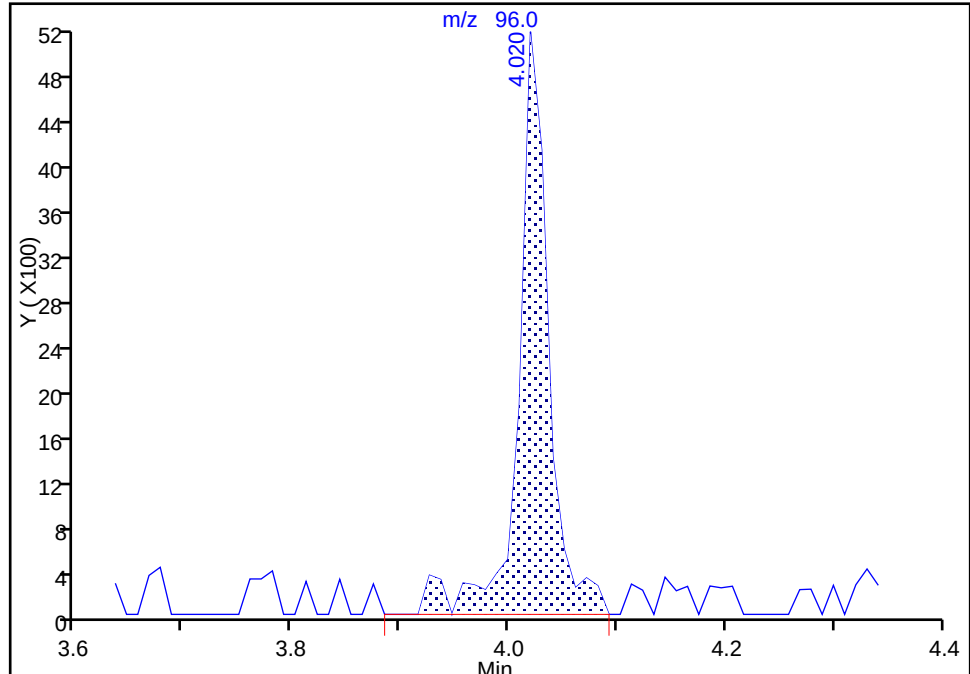
MS SCAN

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

Signal: 1

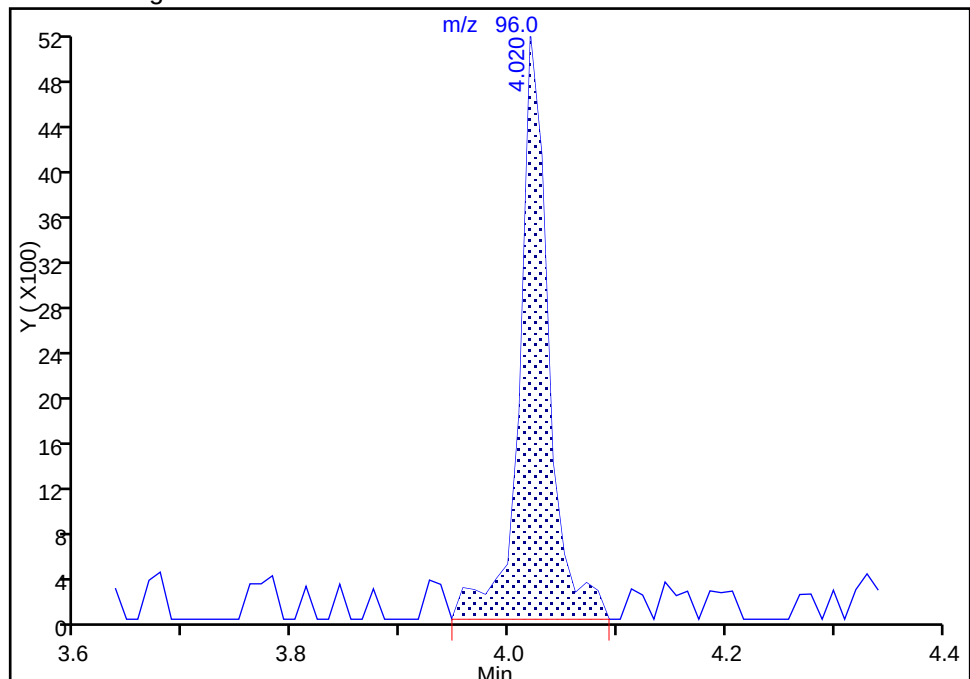
RT: 4.02
Area: 9988
Amount: 1.120587
Amount Units: ug/L

Processing Integration Results



RT: 4.02
Area: 9584
Amount: 1.081388
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:47:15

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

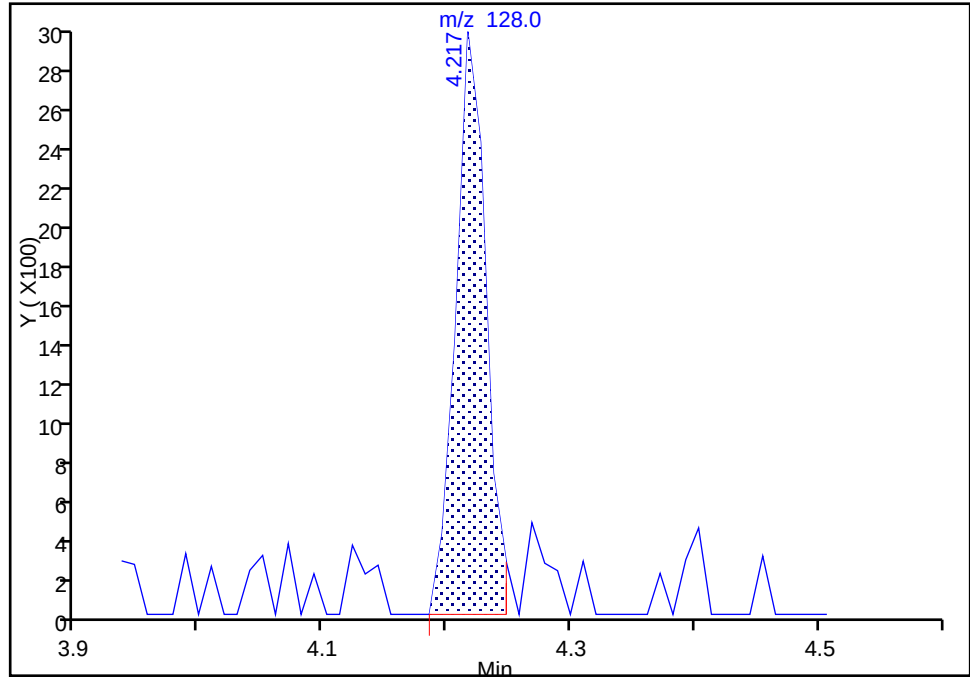
Detector: MS SCAN

47 Chlorobromomethane, CAS: 74-97-5

Signal: 1

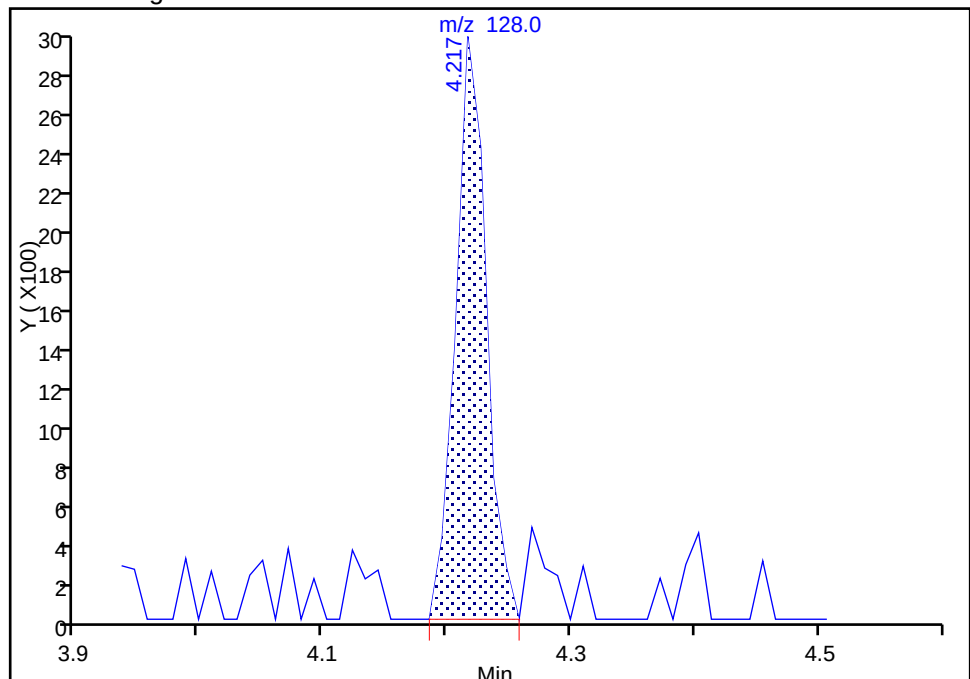
RT: 4.22
Area: 5092
Amount: 1.125240
Amount Units: ug/L

Processing Integration Results



RT: 4.22
Area: 5092
Amount: 1.135534
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:47:41

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

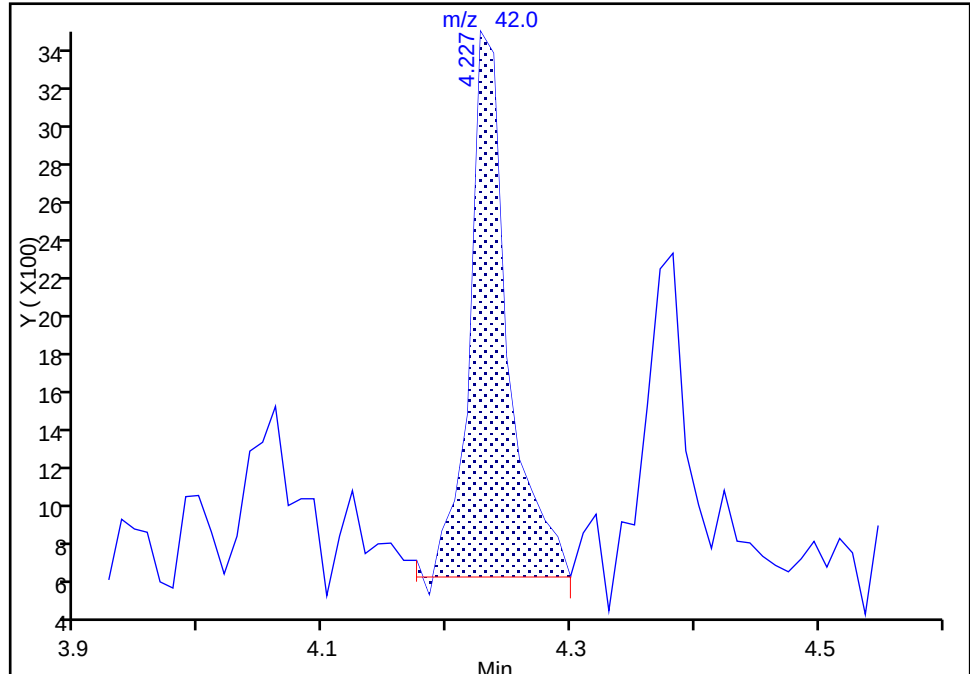
Detector: MS SCAN

48 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

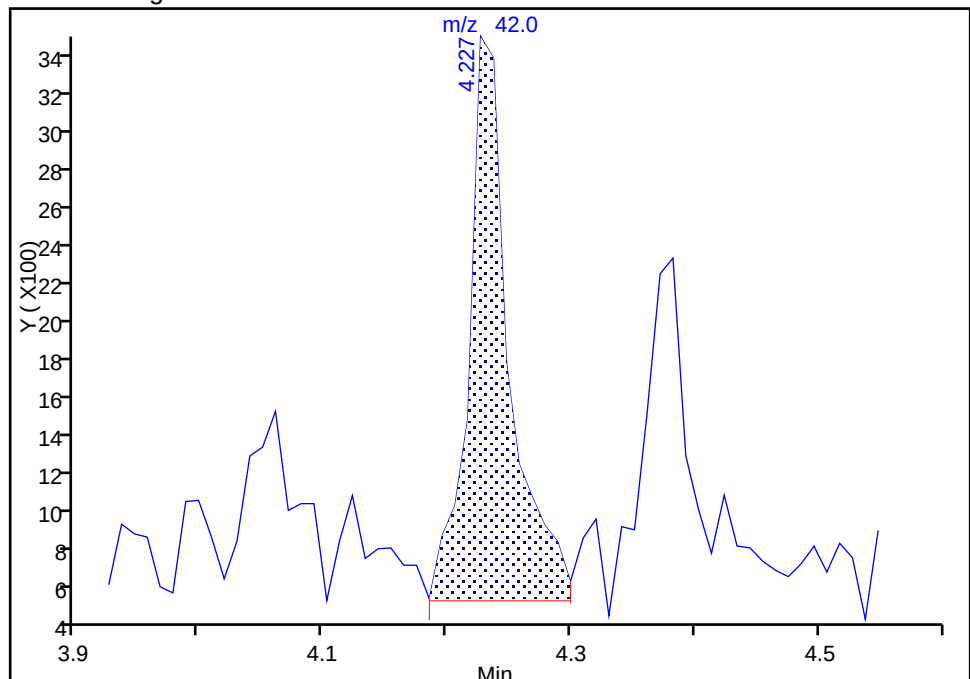
RT: 4.23
Area: 6023
Amount: 2.397618
Amount Units: ug/L

Processing Integration Results



RT: 4.23
Area: 6701
Amount: 2.623263
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:48:02

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

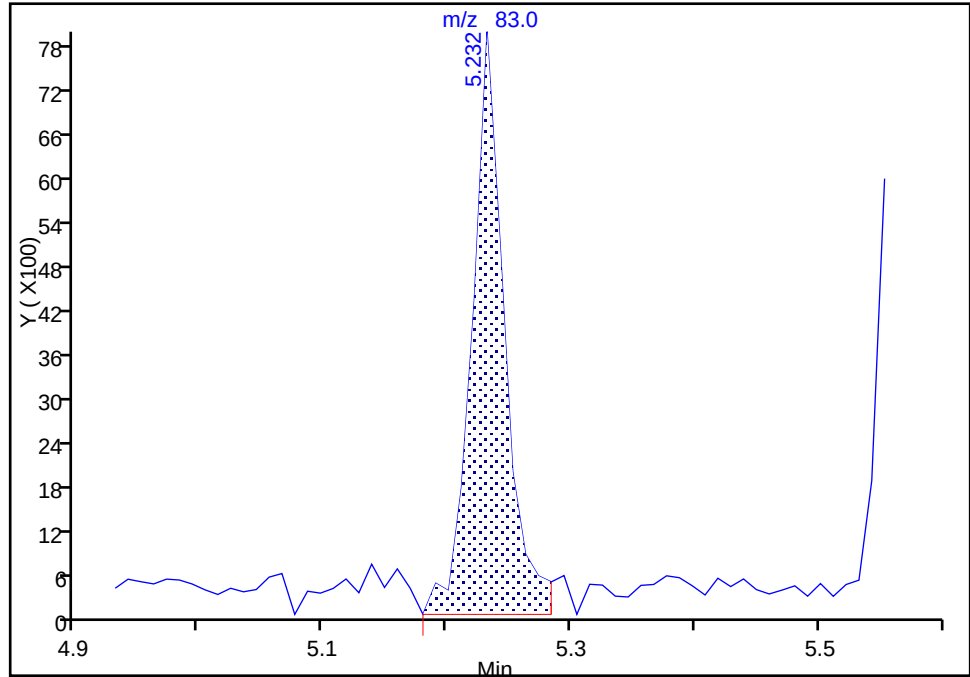
Detector: MS SCAN

62 Methylcyclohexane, CAS: 108-87-2

Signal: 1

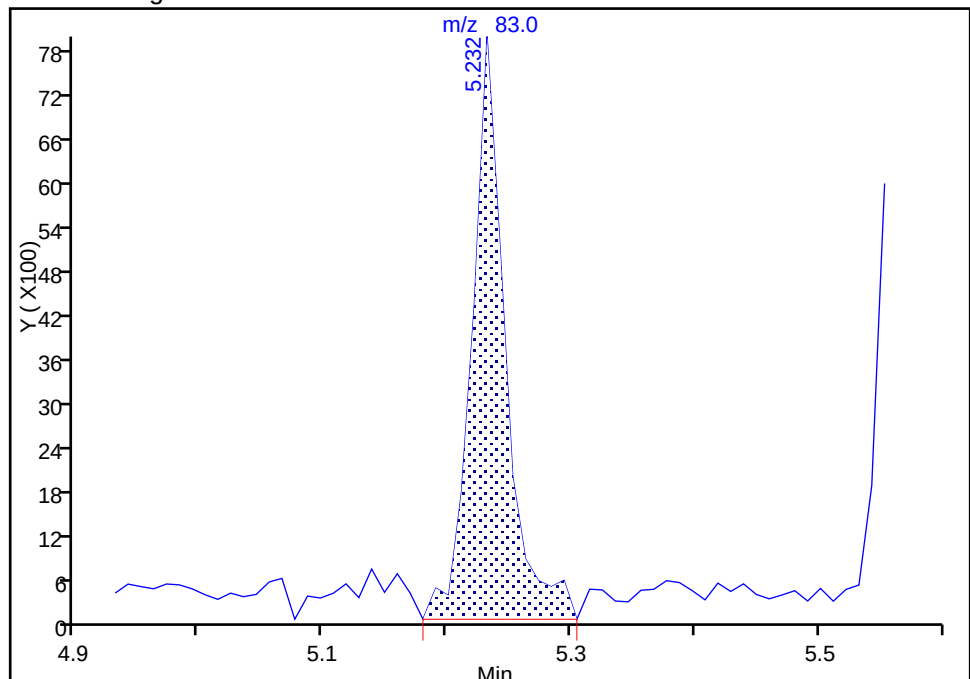
RT: 5.23
Area: 14552
Amount: 1.173257
Amount Units: ug/L

Processing Integration Results



RT: 5.23
Area: 14880
Amount: 1.153269
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:48:22

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

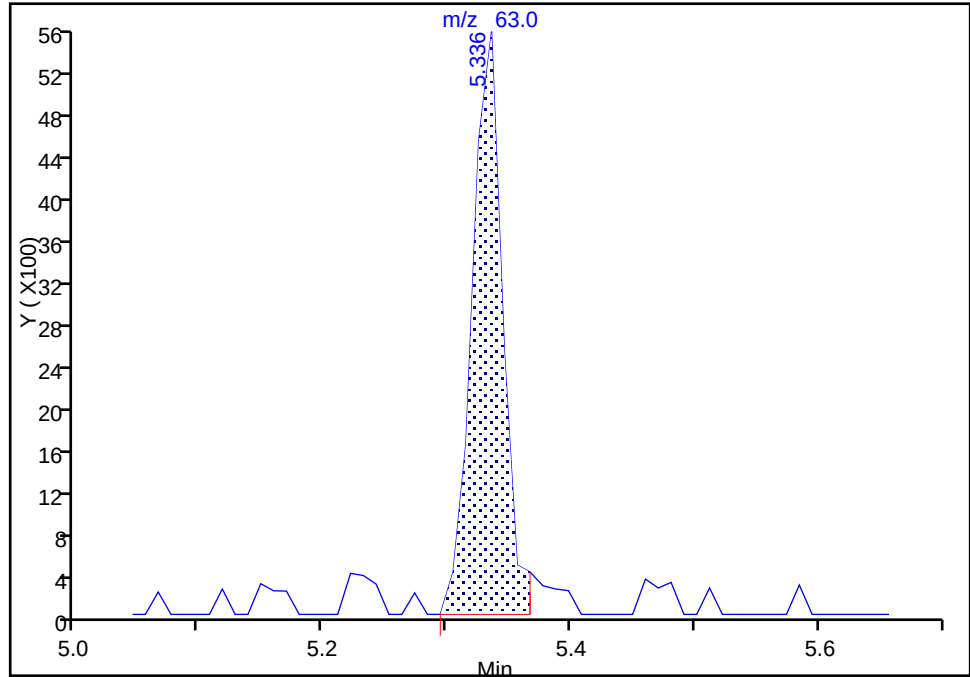
Detector: MS SCAN

63 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

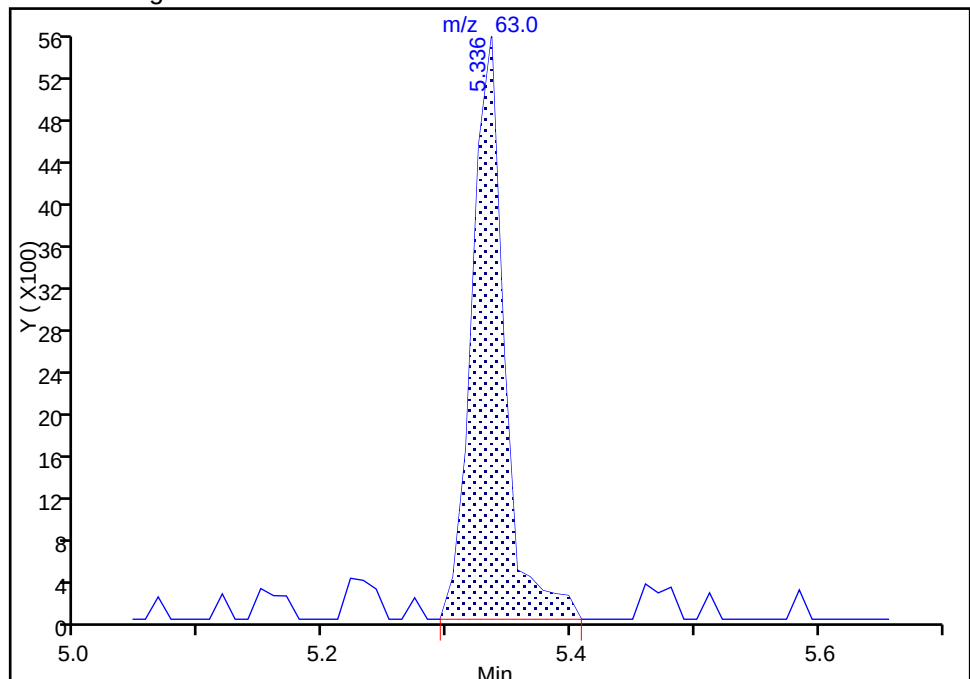
RT: 5.34
Area: 9587
Amount: 1.101745
Amount Units: ug/L

Processing Integration Results



RT: 5.34
Area: 10045
Amount: 1.146833
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:48:28

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

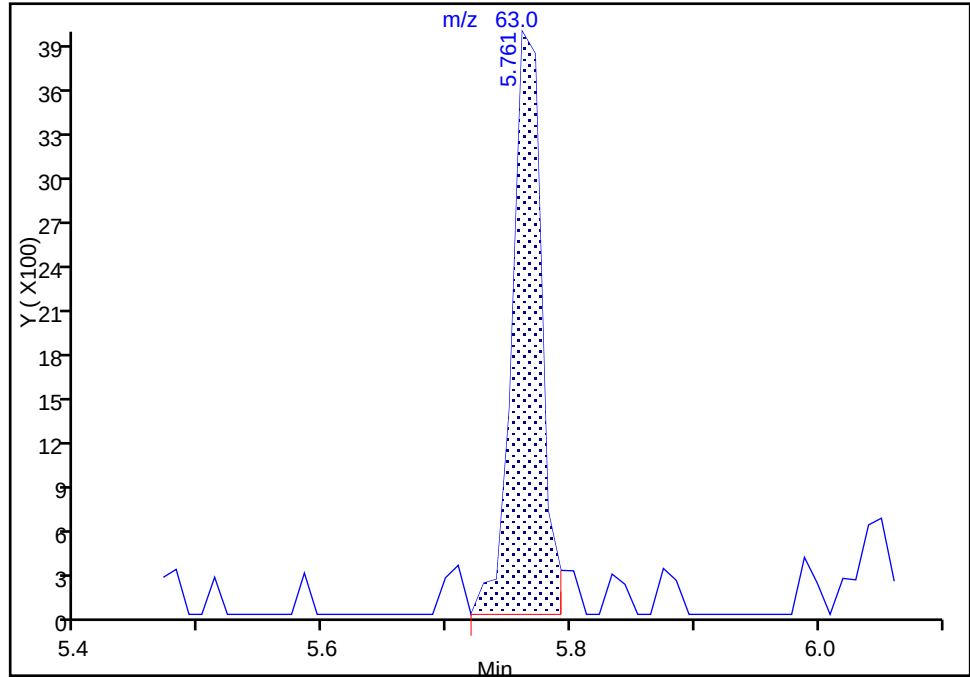
MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

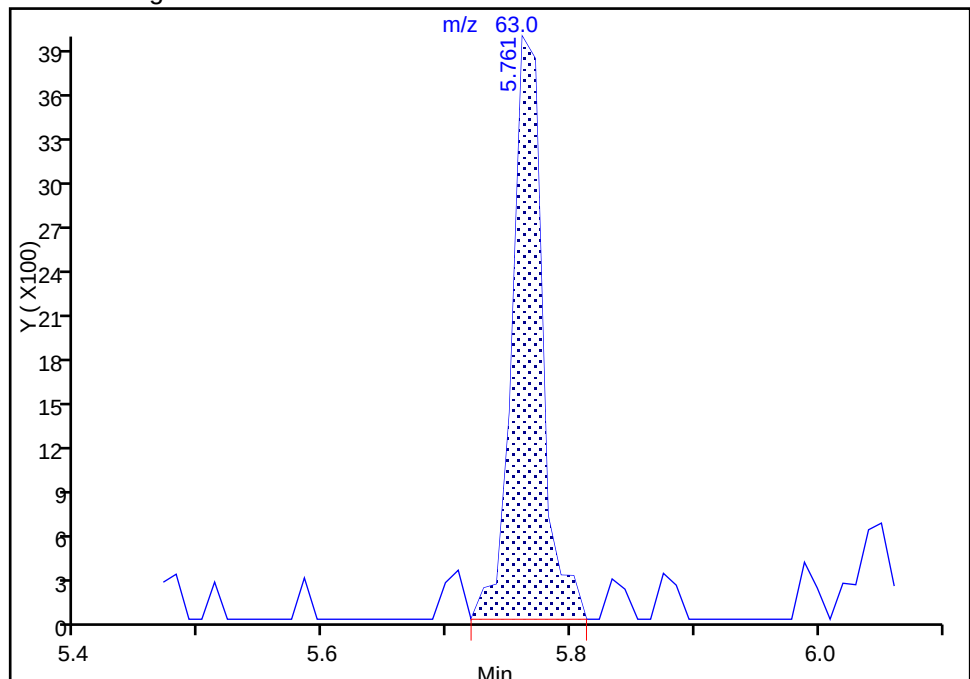
RT: 5.76
Area: 6566
Amount: 1.177337
Amount Units: ug/L

Processing Integration Results



RT: 5.76
Area: 6748
Amount: 1.205056
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:48:43

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

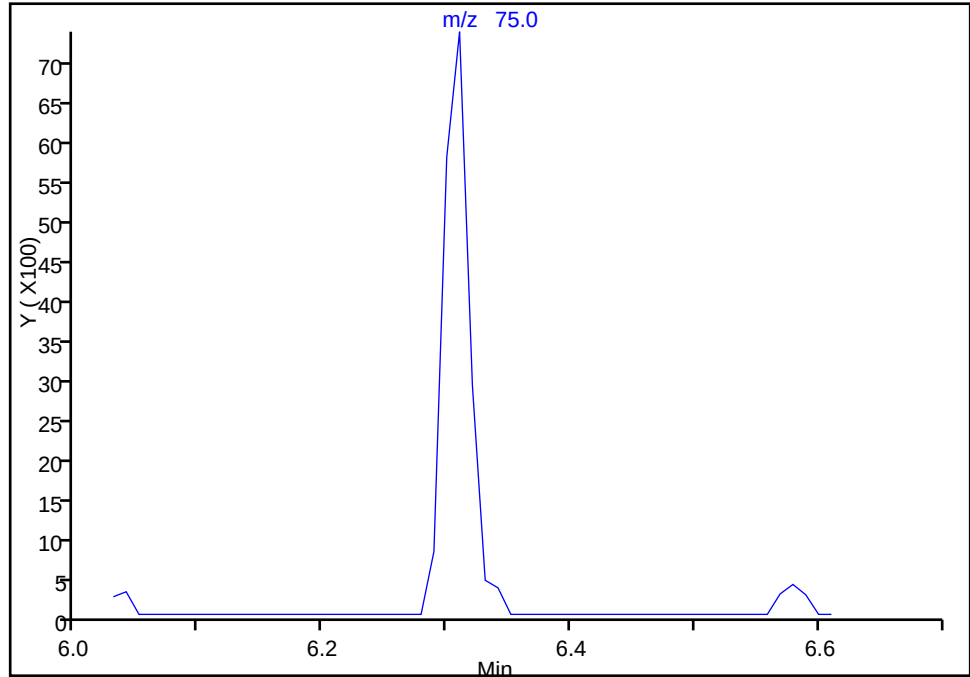
75 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

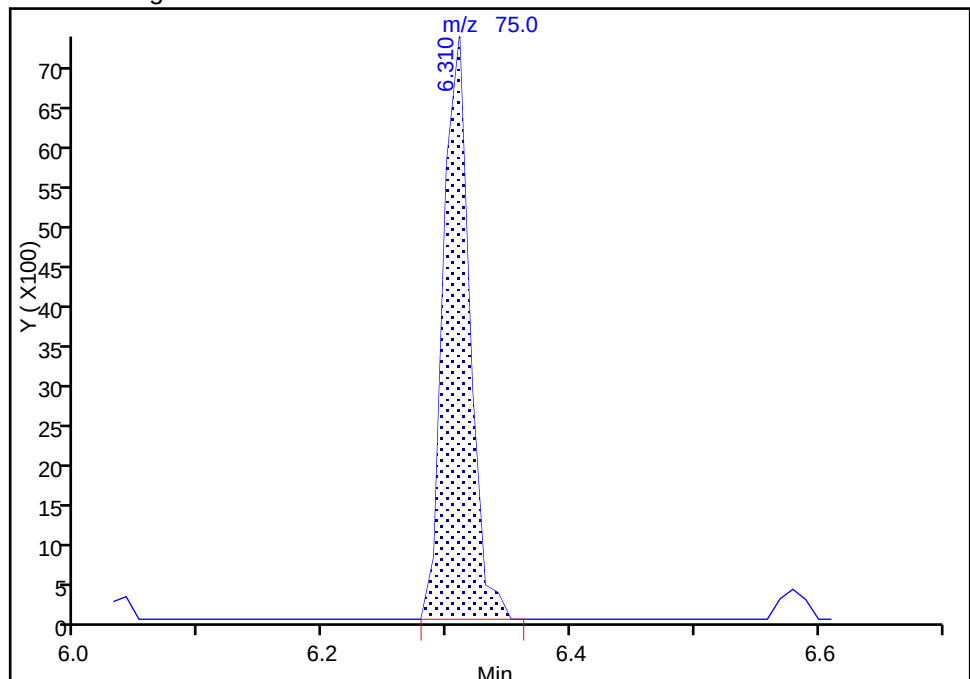
Not Detected

Expected RT: 6.31

Processing Integration Results



Manual Integration Results



RT: 6.31

Area: 10913

Amount: 0.963458

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:48:47

Audit Action: Assigned Compound ID

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

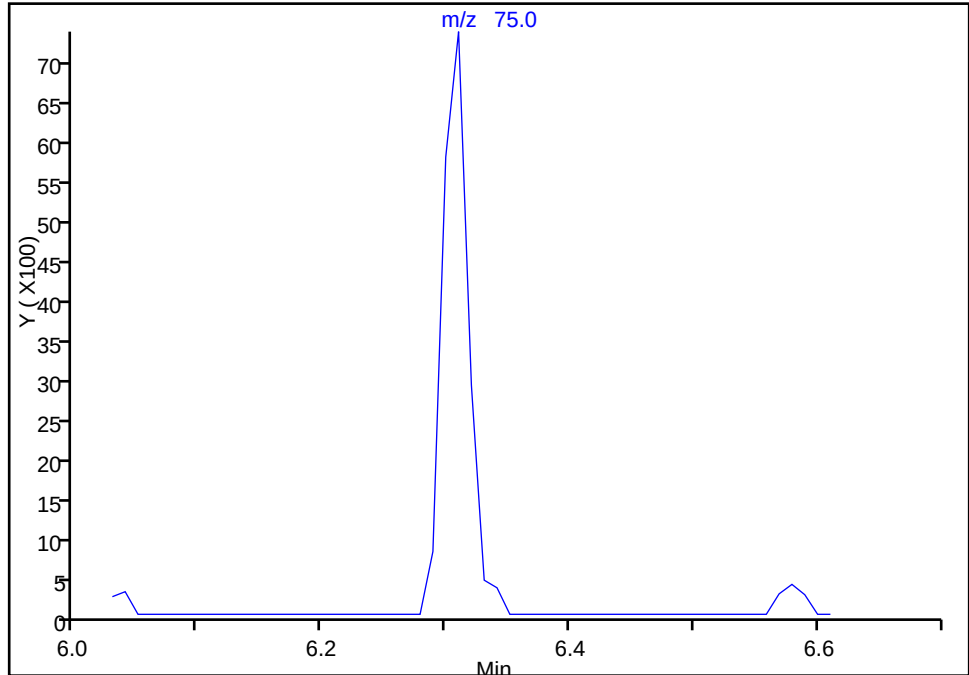
75 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

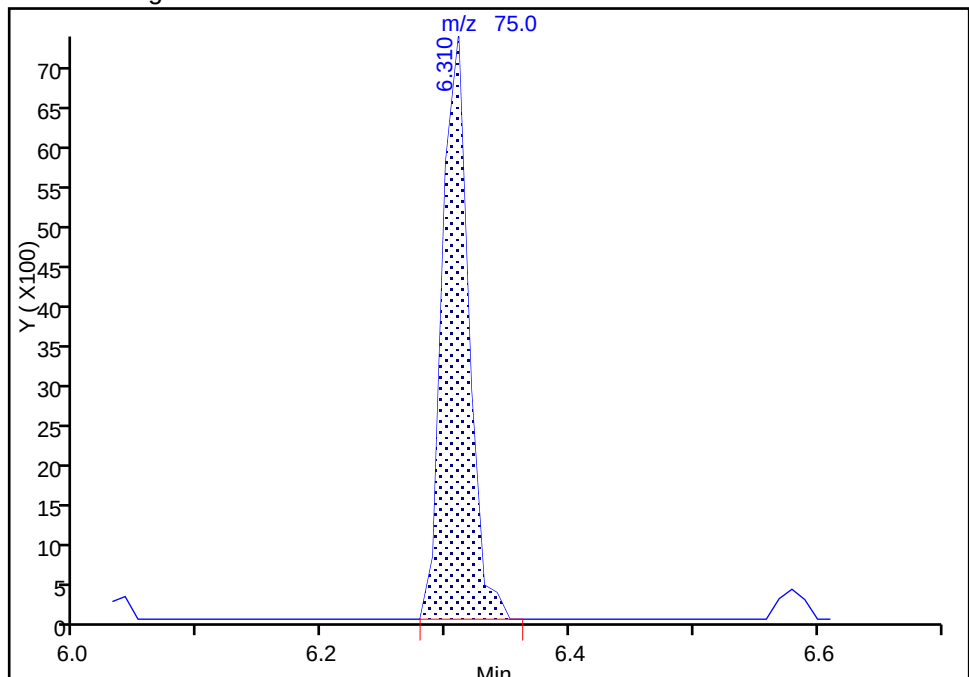
Not Detected

Expected RT: 6.31

Processing Integration Results



Manual Integration Results



RT: 6.31
Area: 10913
Amount: 0.963458
Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:48:51

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

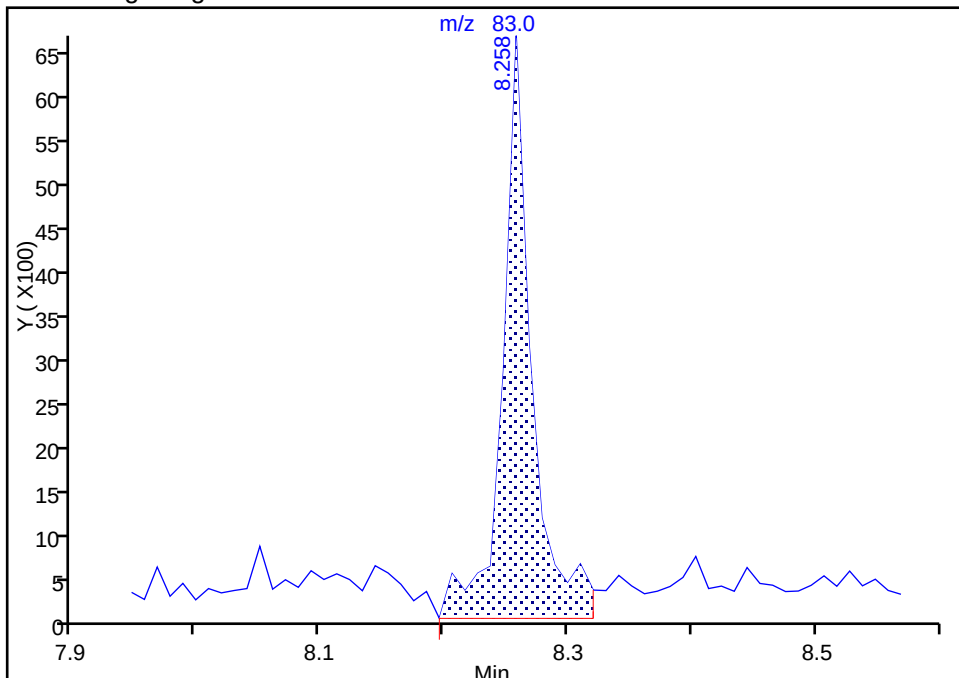
MS SCAN

98 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

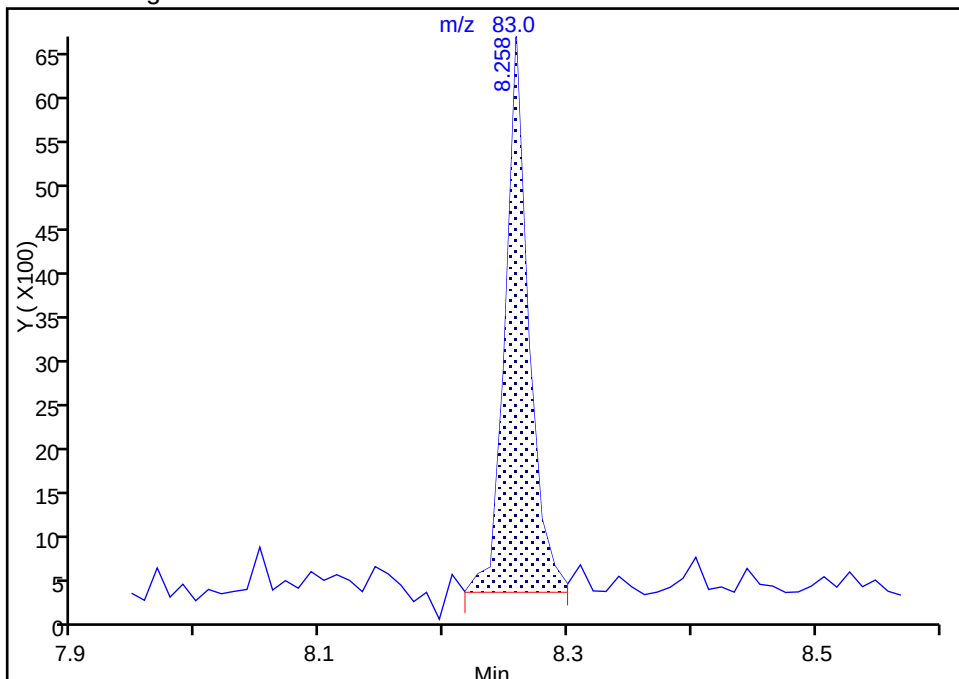
RT: 8.26
Area: 10899
Amount: 1.292925
Amount Units: ug/L

Processing Integration Results



RT: 8.26
Area: 8289
Amount: 1.028812
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 14:14:00

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

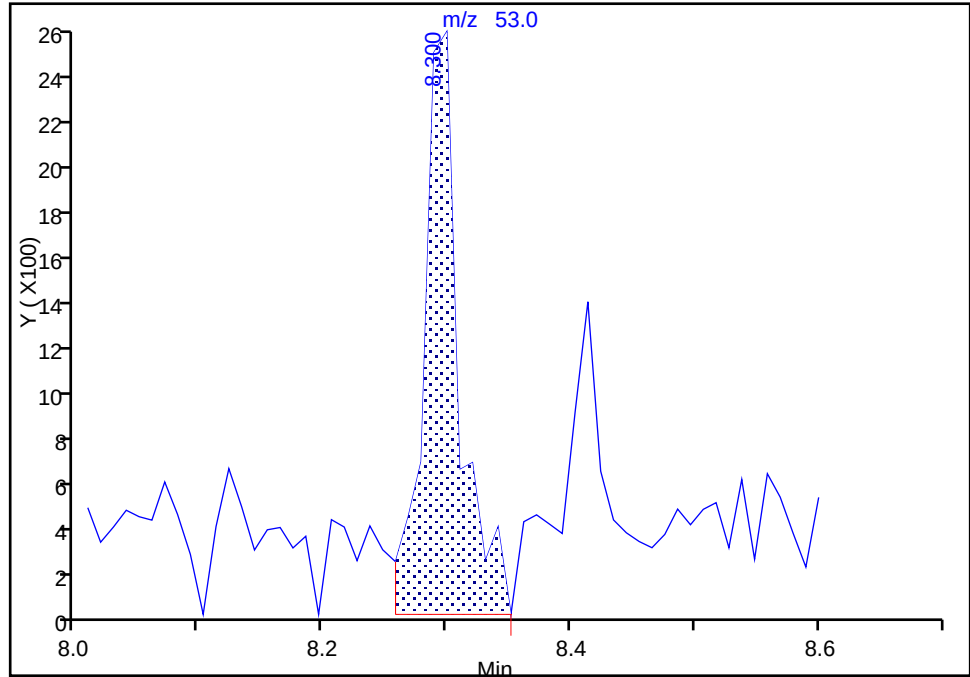
Detector: MS SCAN

101 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

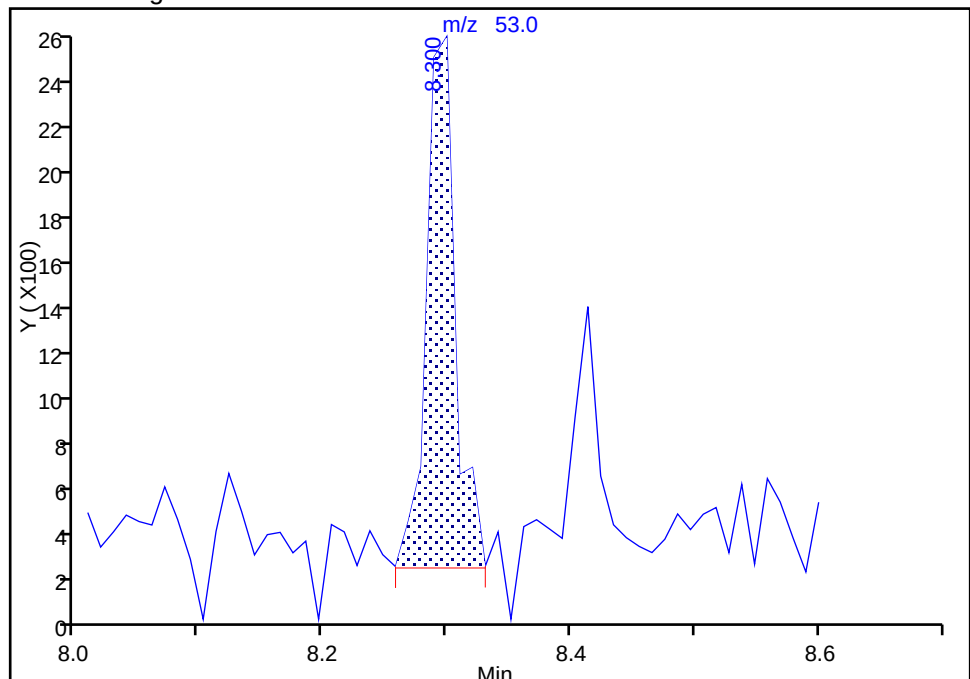
RT: 8.30
Area: 5099
Amount: 1.331317
Amount Units: ug/L

Processing Integration Results



RT: 8.30
Area: 3753
Amount: 1.064283
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 14:16:01

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

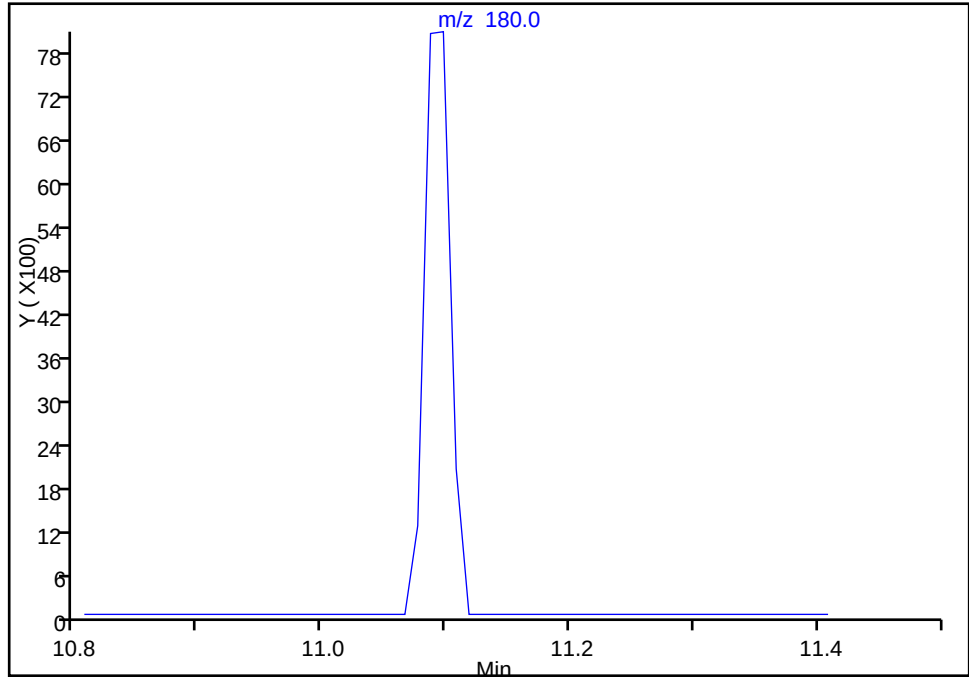
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D
Injection Date: 11-Jan-2018 15:34:30 Instrument ID: HP5975T
Lims ID: IC
Client ID:
Operator ID: RR ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

122 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

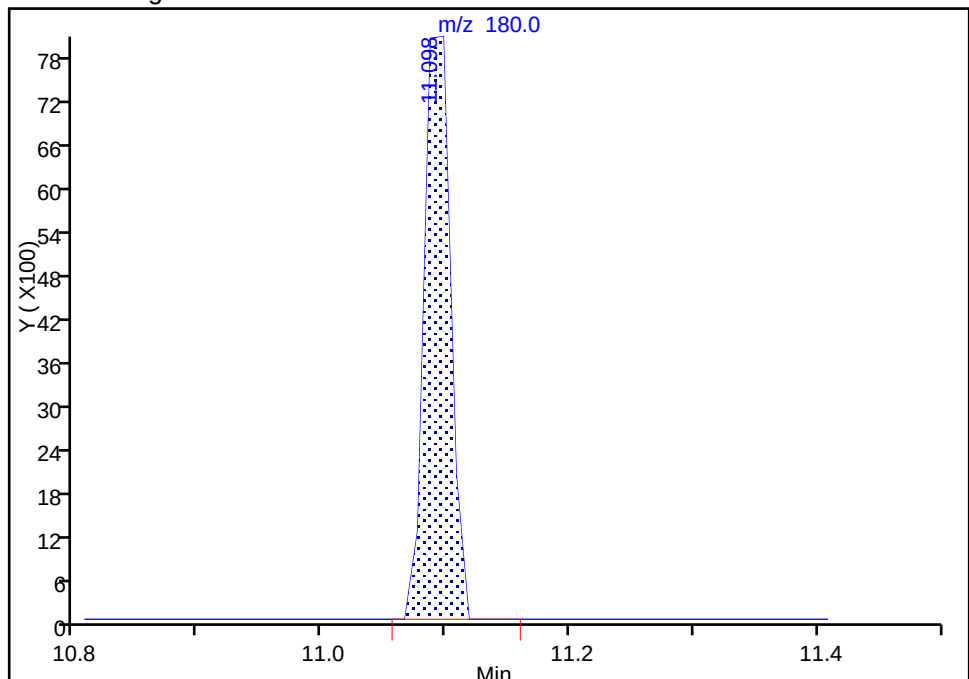
Not Detected
Expected RT: 11.10

Processing Integration Results



RT: 11.10
Area: 11975
Amount: 0.990902
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:49:32
Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3807.D

Injection Date: 11-Jan-2018 15:34:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: RR

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

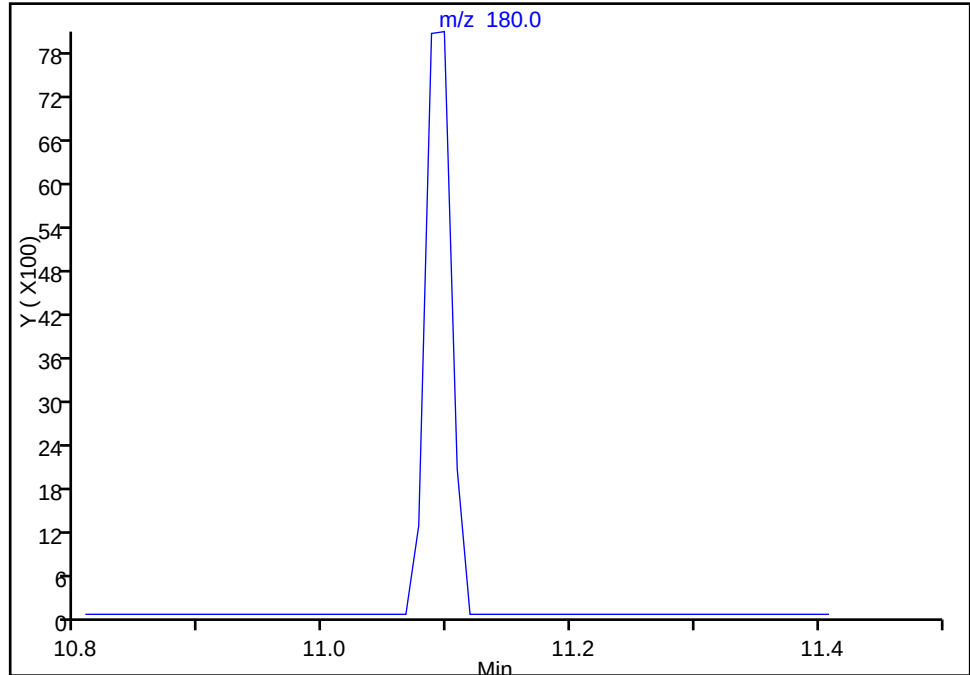
122 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

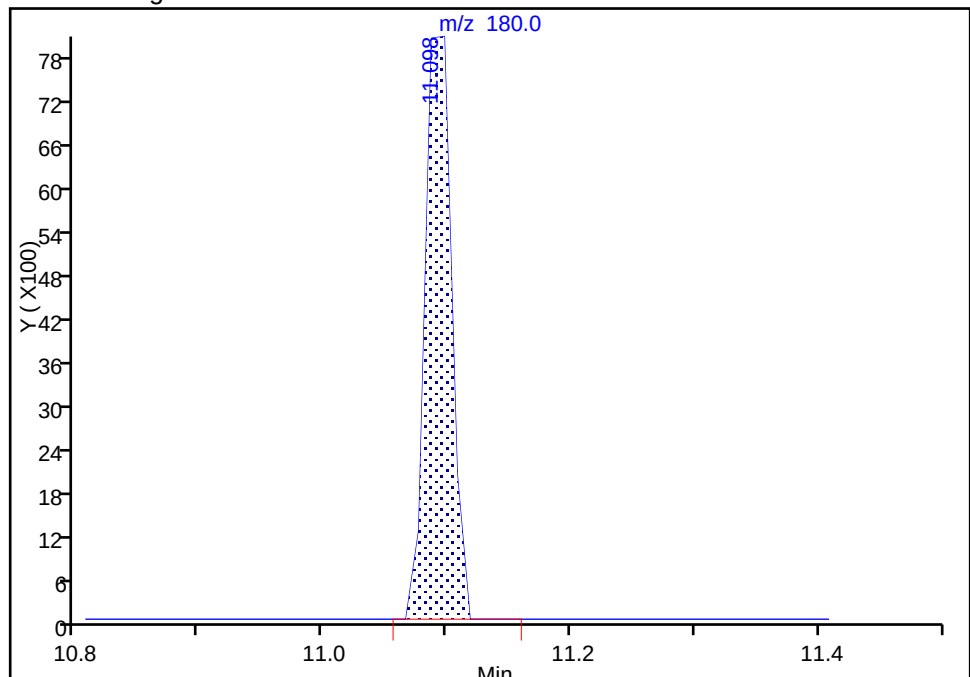
Not Detected

Expected RT: 11.10

Processing Integration Results



Manual Integration Results



RT: 11.10

Area: 11975

Amount: 0.990902

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:49:34

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3808.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 11-Jan-2018 15:58:30 ALS Bottle#: 10 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0068520-010
 Operator ID: RR Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Jan-2018 09:46:18 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: reiler

Date: 12-Jan-2018 13:49:59

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	4.869	0.000	98	145044	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	88	566993	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	96	314861	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.403	4.403	0.000	92	183402	25.0	24.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.652	4.652	0.000	0	229748	25.0	24.9	
\$ 6 Toluene-d8 (Surr)	98	6.040	6.040	0.000	94	642765	25.0	25.1	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.000	88	205078	25.0	24.8	
11 Dichlorodifluoromethane	85	1.232	1.232	0.000	97	21976	2.00	2.19	
13 Chloromethane	50	1.398	1.398	0.000	99	25656	2.00	2.03	
14 Vinyl chloride	62	1.481	1.481	0.000	97	22833	2.00	2.08	
151 Butadiene	54	1.470	1.481	-0.011	91	20208	2.00	1.88	
15 Bromomethane	94	1.771	1.771	0.000	88	13048	2.00	2.09	
16 Chloroethane	64	1.823	1.843	-0.020	95	12359	2.00	2.04	
17 Trichlorofluoromethane	101	2.040	2.051	-0.011	71	24643	2.00	1.85	
18 Dichlorofluoromethane	67	2.051	2.061	-0.010	95	31584	2.00	2.21	
19 Ethyl ether	59	2.299	2.299	0.000	93	16407	2.00	2.19	
21 Acrolein	56	2.476	2.475	0.001	97	13893	10.0	10.5	M
22 1,1-Dichloroethene	96	2.507	2.507	0.000	94	14415	2.00	2.12	
20 1,1,2-Trichloro-1,2,2-trif	101	2.507	2.517	-0.010	1	13375	2.00	1.91	M
23 Acetone	43	2.631	2.621	0.010	97	31375	10.0	11.8	M
24 Iodomethane	142	2.662	2.662	0.000	99	27251	2.00	2.05	
25 Carbon disulfide	76	2.693	2.693	0.000	99	44359	2.00	2.01	
27 3-Chloro-1-propene	41	2.849	2.849	0.000	84	33919	2.00	2.10	
28 Methyl acetate	43	2.890	2.890	0.000	99	27876	4.00	4.49	
30 Methylene Chloride	84	2.983	2.983	0.000	95	23651	2.00	2.04	M
31 2-Methyl-2-propanol	59	3.149	3.139	0.010	58	15035	20.0	21.2	
33 Methyl tert-butyl ether	73	3.170	3.170	0.000	98	45020	2.00	2.08	
32 trans-1,2-Dichloroethene	96	3.180	3.180	0.000	93	15643	2.00	2.02	
34 Acrylonitrile	53	3.242	3.242	0.000	98	60103	20.0	20.8	
35 Hexane	57	3.346	3.346	0.000	95	29238	2.00	2.14	

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	3.553	3.553	0.000	97	29860	2.00	1.98	
39 Vinyl acetate	43	3.595	3.584	0.011	97	82093	4.00	4.25	
42 2,2-Dichloropropane	77	3.989	3.988	0.001	89	25579	2.00	2.04	M
43 cis-1,2-Dichloroethene	96	4.020	4.020	0.000	84	20624	2.00	2.29	
44 2-Butanone (MEK)	43	4.051	4.040	0.011	97	36012	10.0	10.2	
47 Chlorobromomethane	128	4.217	4.216	0.001	95	9872	2.00	2.17	
48 Tetrahydrofuran	42	4.227	4.227	0.000	91	10899	4.00	4.20	
50 Chloroform	83	4.279	4.279	0.000	98	30538	2.00	2.08	
51 1,1,1-Trichloroethane	97	4.372	4.372	0.000	96	25161	2.00	2.00	
52 Cyclohexane	56	4.372	4.372	0.000	95	31190	2.00	1.94	
54 1,1-Dichloropropene	75	4.486	4.486	0.000	84	19042	2.00	1.95	
53 Carbon tetrachloride	117	4.476	4.486	-0.010	84	22903	2.00	1.94	
55 Benzene	78	4.652	4.652	0.000	52	57805	2.00	2.06	
56 Isobutyl alcohol	43	4.673	4.662	0.011	90	16034	50.0	54.3	
57 1,2-Dichloroethane	62	4.714	4.714	0.000	97	28608	2.00	2.17	
59 n-Heptane	43	4.787	4.786	0.001	97	33952	2.00	2.10	
60 Trichloroethene	95	5.139	5.139	0.000	96	17838	2.00	2.18	
62 Methylcyclohexane	83	5.232	5.232	0.000	97	25642	2.00	1.96	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	90	18049	2.00	2.03	
66 1,4-Dioxane	88	5.439	5.439	0.000	33	1423	40.0	36.4	M
65 Dibromomethane	93	5.439	5.439	0.000	95	11439	2.00	2.19	
67 Dichlorobromomethane	83	5.553	5.553	0.000	94	21295	2.00	2.00	
69 2-Chloroethyl vinyl ether	63	5.761	5.761	0.000	92	11705	2.00	2.06	
71 cis-1,3-Dichloropropene	75	5.875	5.875	0.000	86	24663	2.00	2.04	
72 4-Methyl-2-pentanone (MIBK)	43	5.978	5.978	0.000	99	81102	10.0	10.4	
73 Toluene	92	6.092	6.092	0.000	97	38256	2.00	2.06	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	1	21909	2.00	1.96	M
77 Ethyl methacrylate	69	6.331	6.331	0.001	95	18004	2.00	2.07	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	93	11490	2.00	2.15	
79 Tetrachloroethene	166	6.496	6.496	0.000	92	16621	2.00	2.02	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	96	21254	2.00	1.97	
81 2-Hexanone	43	6.621	6.610	0.011	98	58614	10.0	10.6	
82 Chlorodibromomethane	129	6.756	6.755	0.001	91	16748	2.00	2.04	
83 Ethylene Dibromide	107	6.838	6.838	0.000	96	13919	2.00	1.98	
86 Chlorobenzene	112	7.191	7.191	0.000	91	45345	2.00	2.11	
88 Ethylbenzene	91	7.253	7.253	0.000	98	73706	2.00	2.03	
89 1,1,1,2-Tetrachloroethane	131	7.263	7.263	0.000	90	17134	2.00	2.06	
90 m-Xylene & p-Xylene	106	7.336	7.346	-0.010	0	30085	2.00	2.05	
91 o-Xylene	106	7.657	7.667	-0.010	98	29280	2.00	2.06	
92 Styrene	104	7.688	7.688	0.000	95	51577	2.00	2.11	
93 Bromoform	173	7.885	7.885	0.000	92	9713	2.00	1.99	
95 Isopropylbenzene	105	7.947	7.947	0.000	96	76390	2.00	2.01	
97 Bromobenzene	156	8.227	8.227	0.000	90	20178	2.00	2.05	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	95	17596	2.00	2.15	M
99 N-Propylbenzene	91	8.269	8.279	-0.010	99	92038	2.00	2.10	
101 trans-1,4-Dichloro-2-buten	53	8.289	8.289	0.000	74	7253	2.00	2.02	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	88	5731	2.00	2.11	
105 2-Chlorotoluene	126	8.362	8.362	0.000	95	17852	2.00	2.00	
104 1,3,5-Trimethylbenzene	105	8.414	8.413	0.001	95	67047	2.00	2.02	
102 4-Chlorotoluene	91	8.455	8.455	0.000	98	55696	2.00	1.96	
106 tert-Butylbenzene	134	8.673	8.673	0.000	93	15673	2.00	2.14	
107 1,2,4-Trimethylbenzene	105	8.724	8.724	0.000	97	70711	2.00	2.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.849	8.849	0.000	95	83254	2.00	2.04	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	73271	2.00	2.01	
110 1,3-Dichlorobenzene	146	8.984	8.983	0.001	97	38800	2.00	2.03	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	93	40379	2.00	2.06	
115 n-Butylbenzene	91	9.305	9.305	0.000	97	68019	2.00	2.08	
116 1,2-Dichlorobenzene	146	9.367	9.367	0.000	95	34922	2.00	1.91	
117 1,2-Dibromo-3-Chloropropan	75	10.041	10.040	0.001	78	3347	2.00	2.09	
119 1,2,4-Trichlorobenzene	180	10.693	10.693	0.000	95	26115	2.00	1.97	
120 Hexachlorobutadiene	225	10.787	10.787	0.000	94	13979	2.00	2.17	
121 Naphthalene	128	10.901	10.901	0.000	97	64371	2.00	2.05	
122 1,2,3-Trichlorobenzene	180	11.098	11.098	0.000	90	24367	2.00	1.98	
S 125 Total BTEX	1				0			10.3	
S 126 Xylenes, Total	1				0			4.11	
S 123 1,3-Dichloropropene, Total	1				0			4.00	
S 124 1,2-Dichloroethene, Total	1				0			4.31	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00259

Amount Added: 2.00

Units: uL

8260 CORP mix_00118

Amount Added: 2.00

Units: uL

T_8260_IS_00184

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00165

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3808.D

Injection Date: 11-Jan-2018 15:58:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: IC 2

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

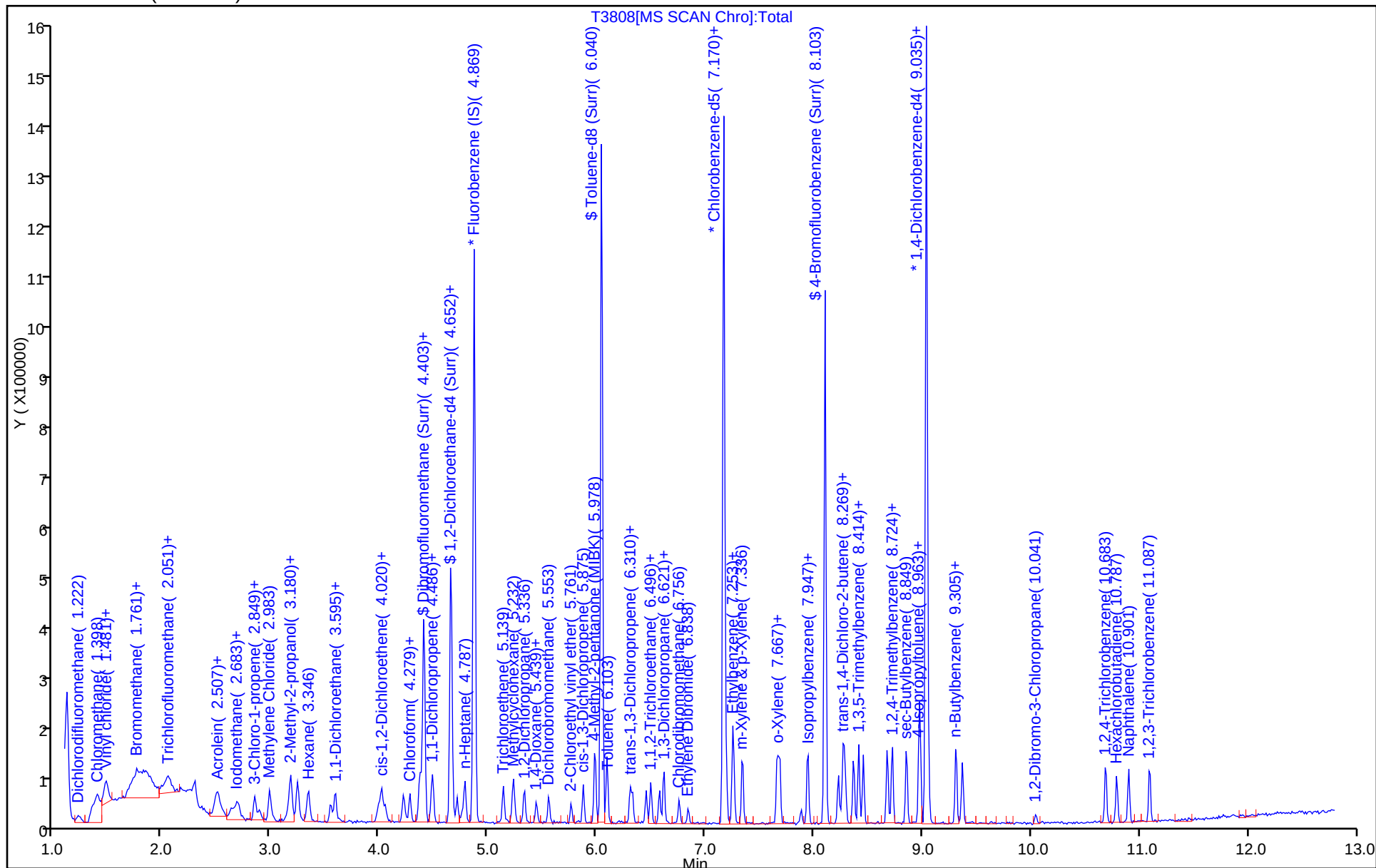
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3808.D

Injection Date: 11-Jan-2018 15:58:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

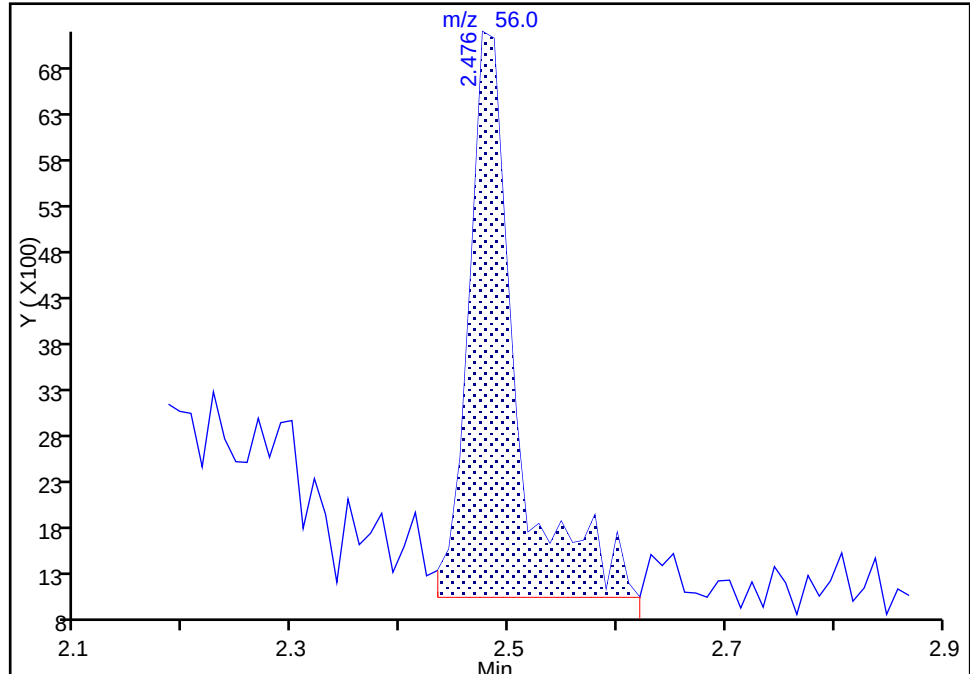
Detector: MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

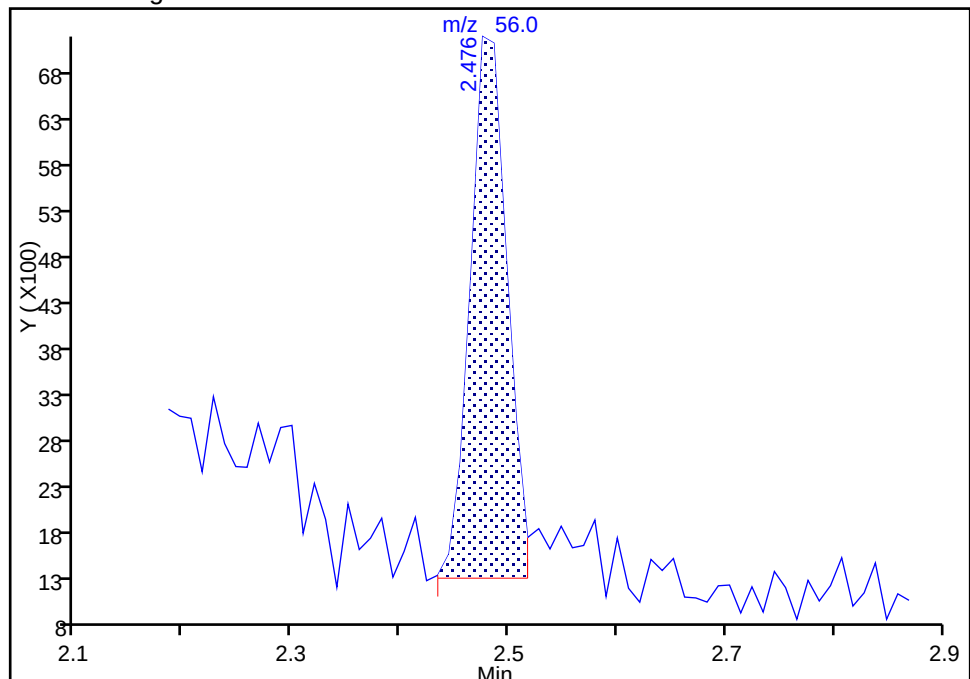
RT: 2.48
Area: 18558
Amount: 12.883188
Amount Units: ug/L

Processing Integration Results



RT: 2.48
Area: 13893
Amount: 10.484059
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 14:06:35

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3808.D

Injection Date: 11-Jan-2018 15:58:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

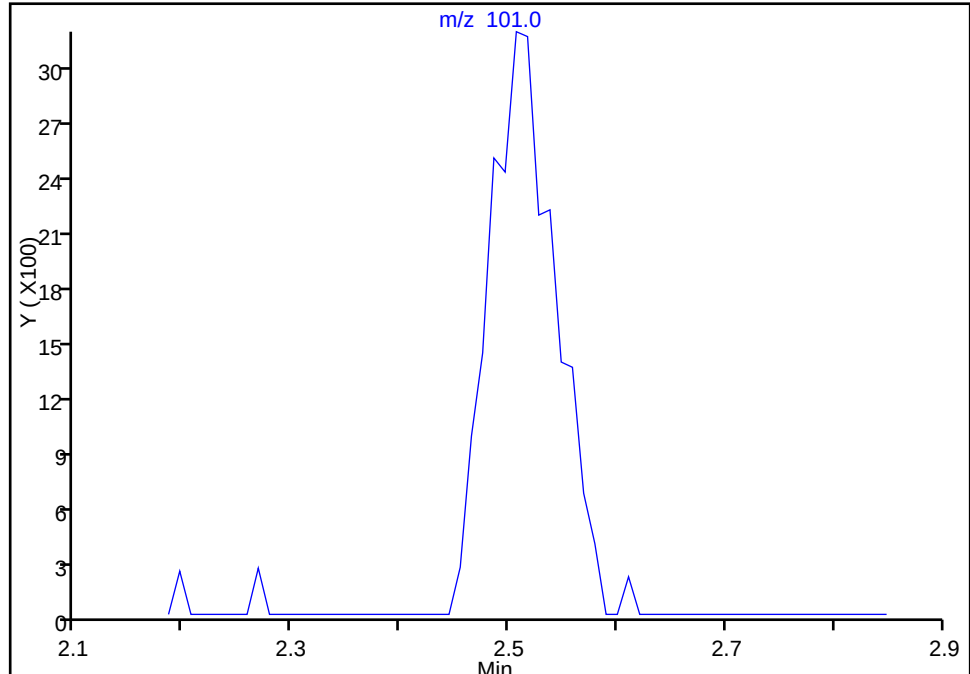
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

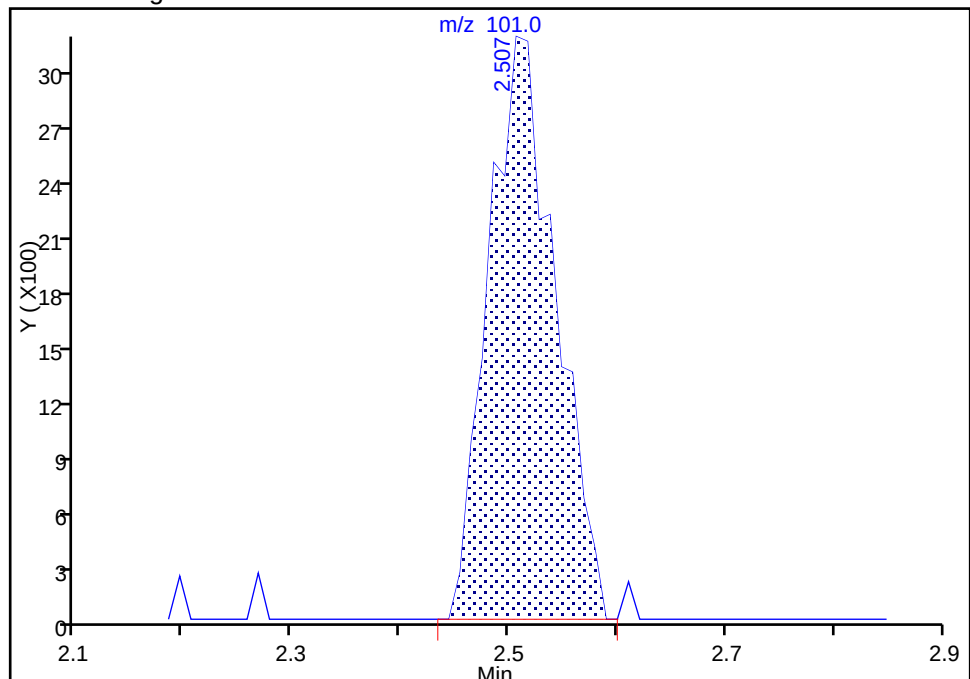
Not Detected

Expected RT: 2.52

Processing Integration Results



Manual Integration Results



RT: 2.51

Area: 13375

Amount: 1.907498

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:50:58

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3808.D

Injection Date: 11-Jan-2018 15:58:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#:

10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

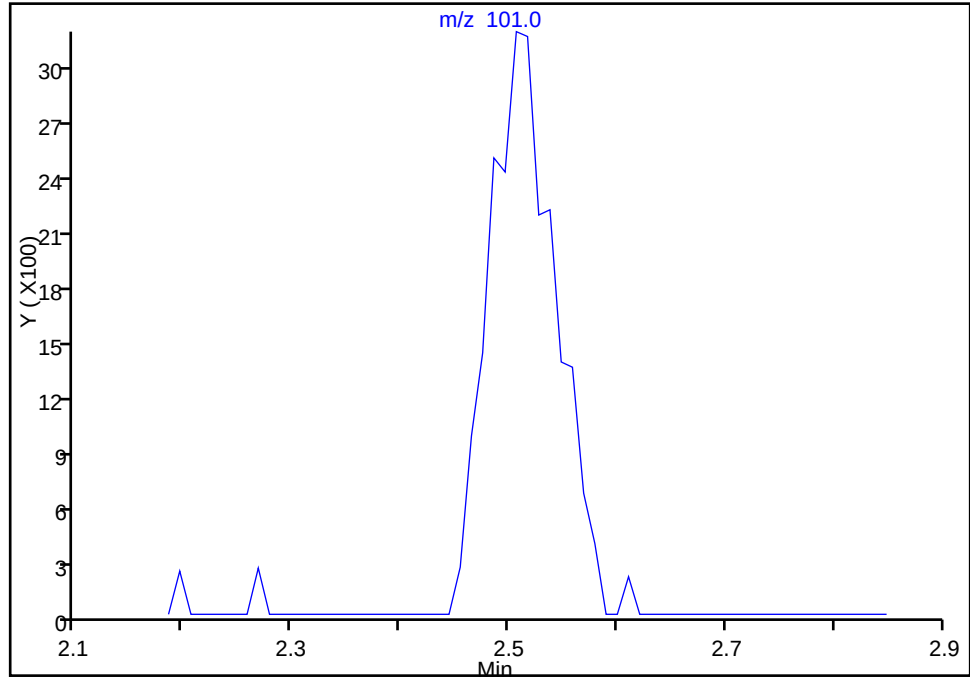
20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

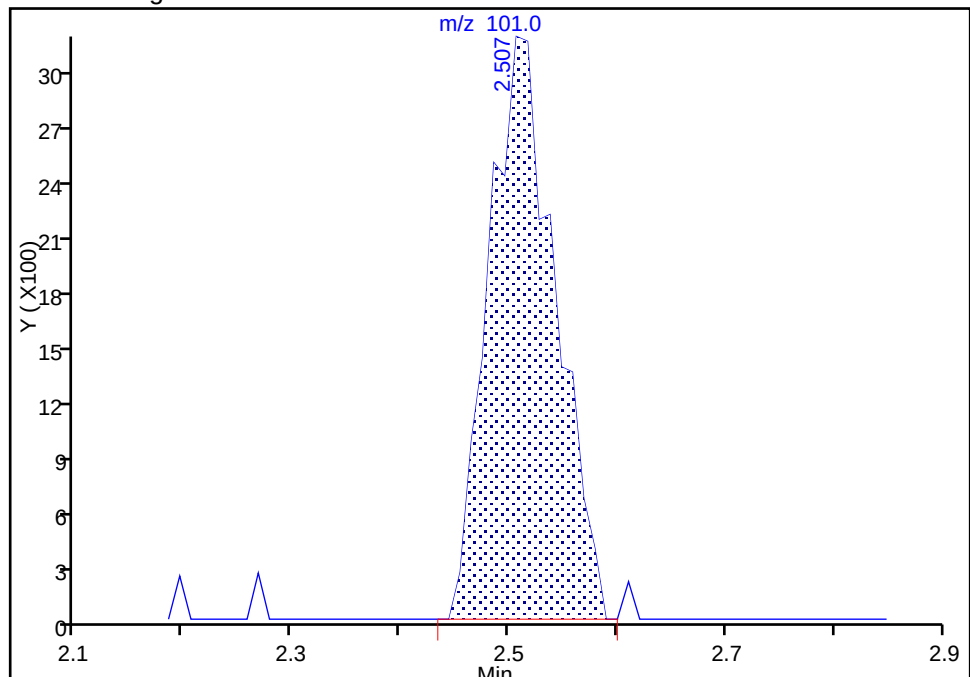
Not Detected

Expected RT: 2.52

Processing Integration Results



Manual Integration Results



RT: 2.51

Area: 13375

Amount: 1.907498

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:51:03

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3808.D

Injection Date: 11-Jan-2018 15:58:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

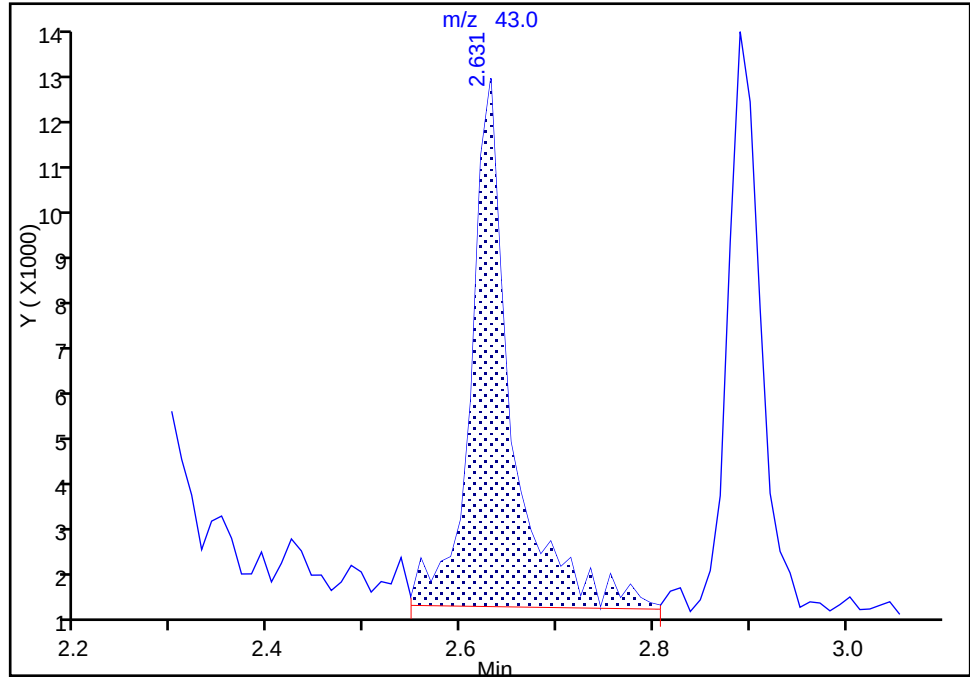
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

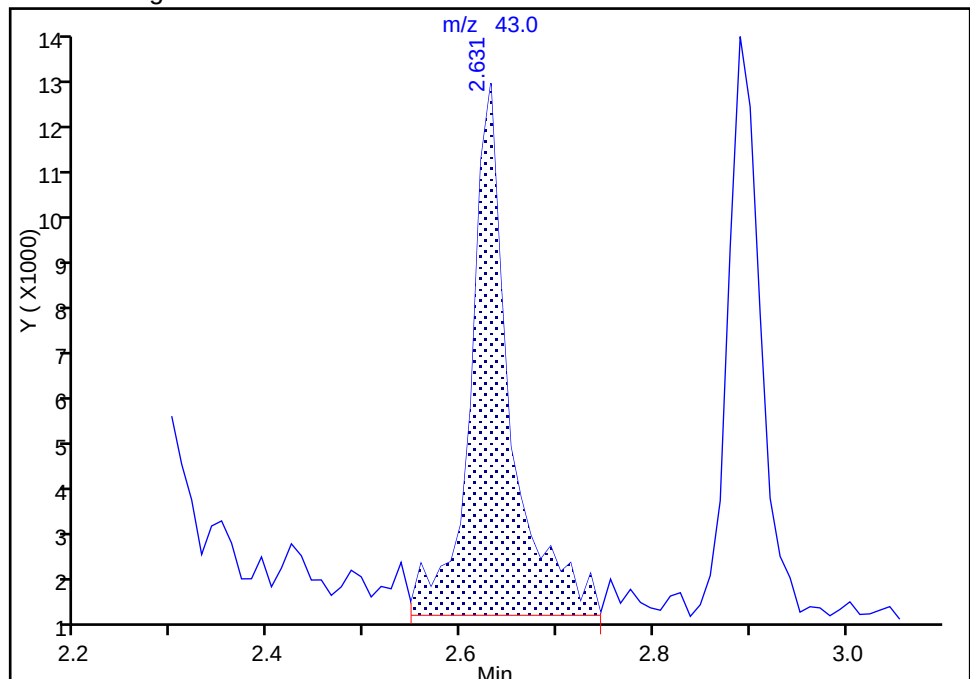
RT: 2.63
Area: 31606
Amount: 11.558487
Amount Units: ug/L

Processing Integration Results



RT: 2.63
Area: 31375
Amount: 11.763971
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:51:37

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3808.D

Injection Date: 11-Jan-2018 15:58:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

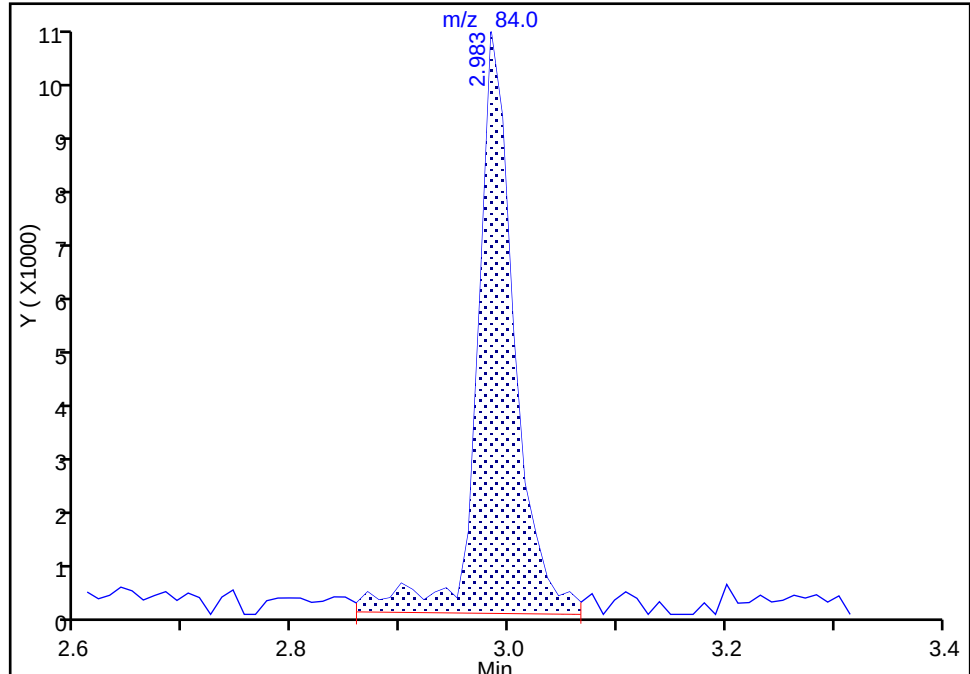
Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

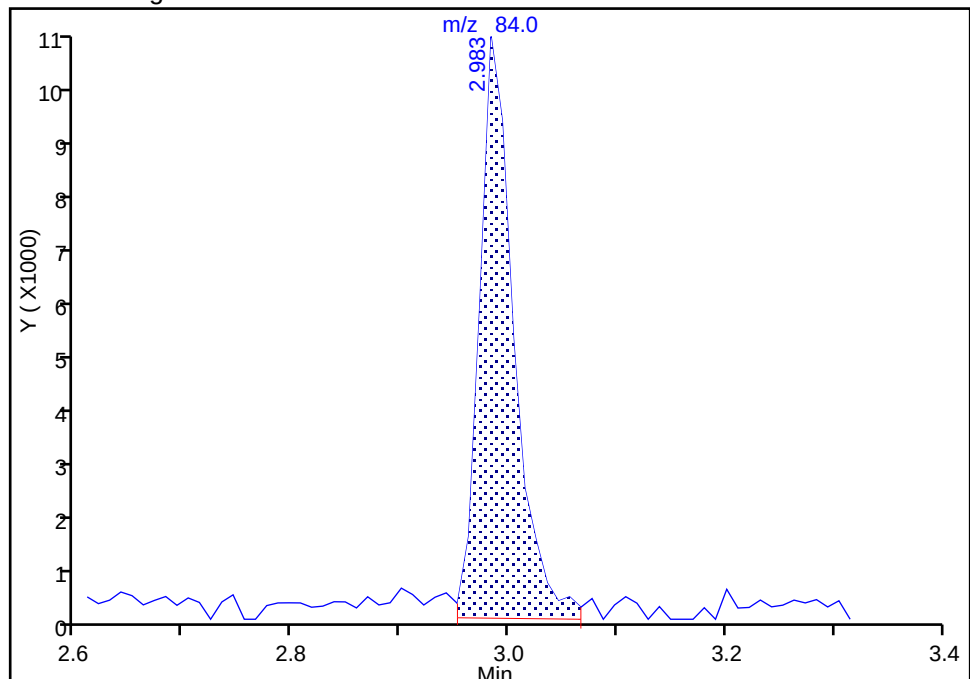
RT: 2.98
Area: 25544
Amount: 2.172988
Amount Units: ug/L

Processing Integration Results



RT: 2.98
Area: 23651
Amount: 2.039398
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:51:56

Audit Action: Split an Integrated Peak

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3808.D

Injection Date: 11-Jan-2018 15:58:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

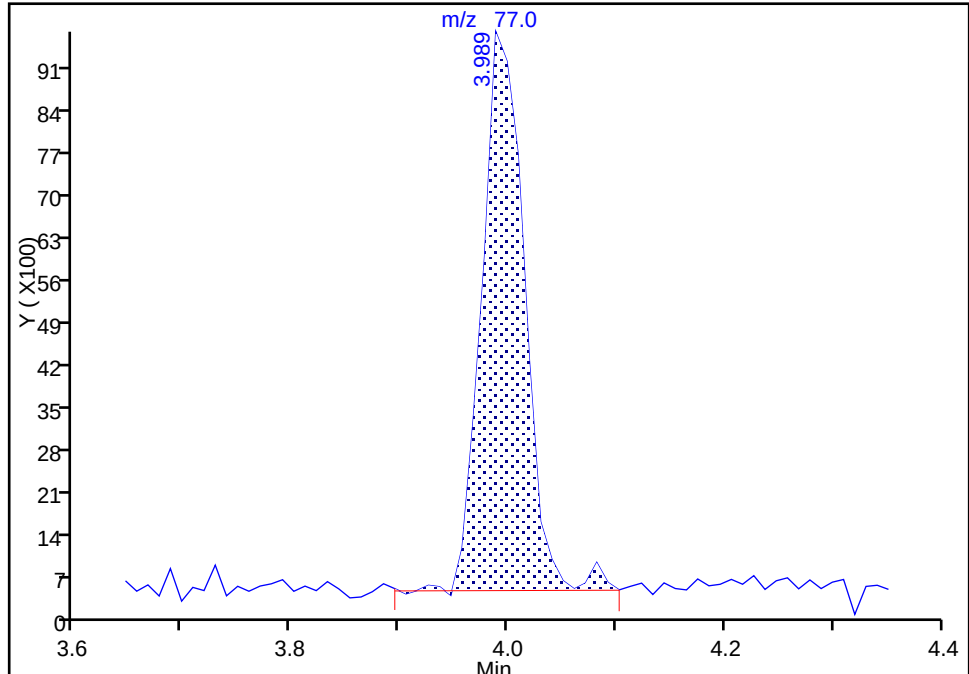
Detector: MS SCAN

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

Signal: 1

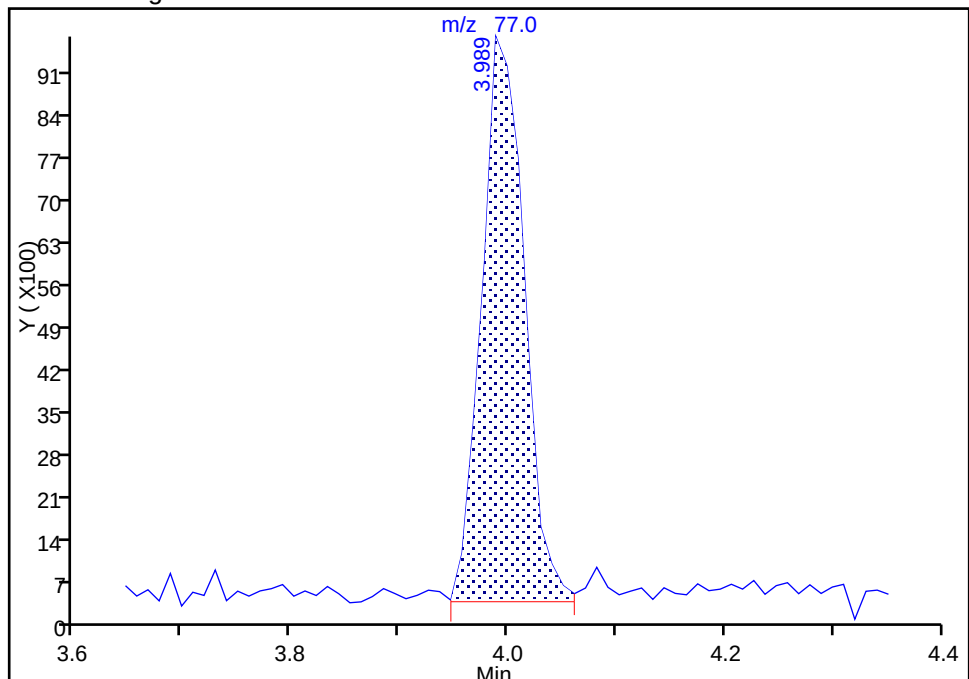
RT: 3.99
Area: 25338
Amount: 2.024291
Amount Units: ug/L

Processing Integration Results



RT: 3.99
Area: 25579
Amount: 2.041089
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:52:20

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3808.D

Injection Date: 11-Jan-2018 15:58:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#: 10 Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

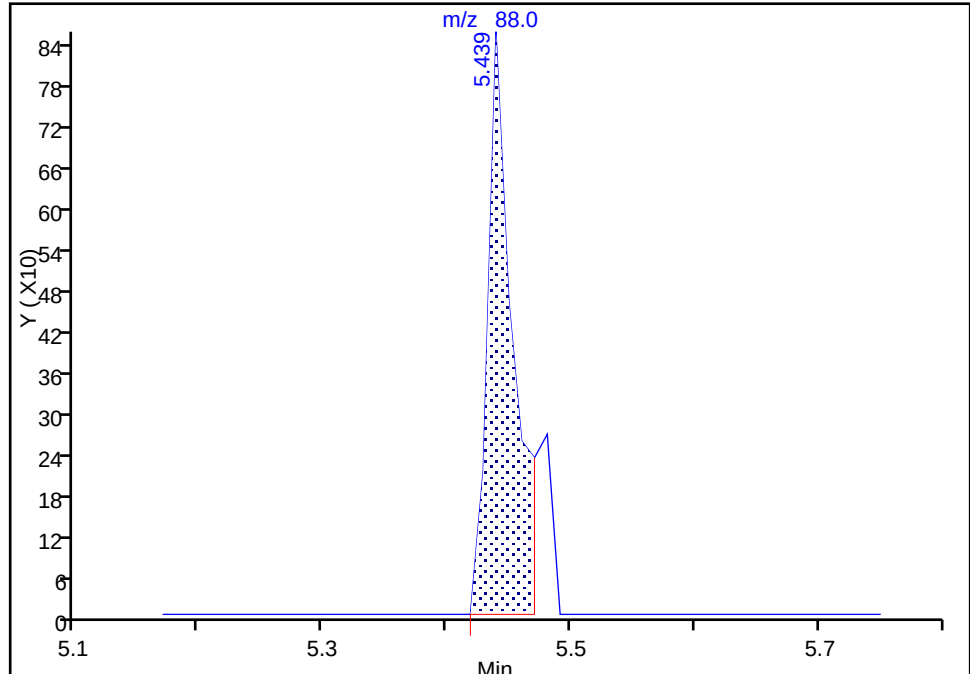
Detector: MS SCAN

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

Signal: 1

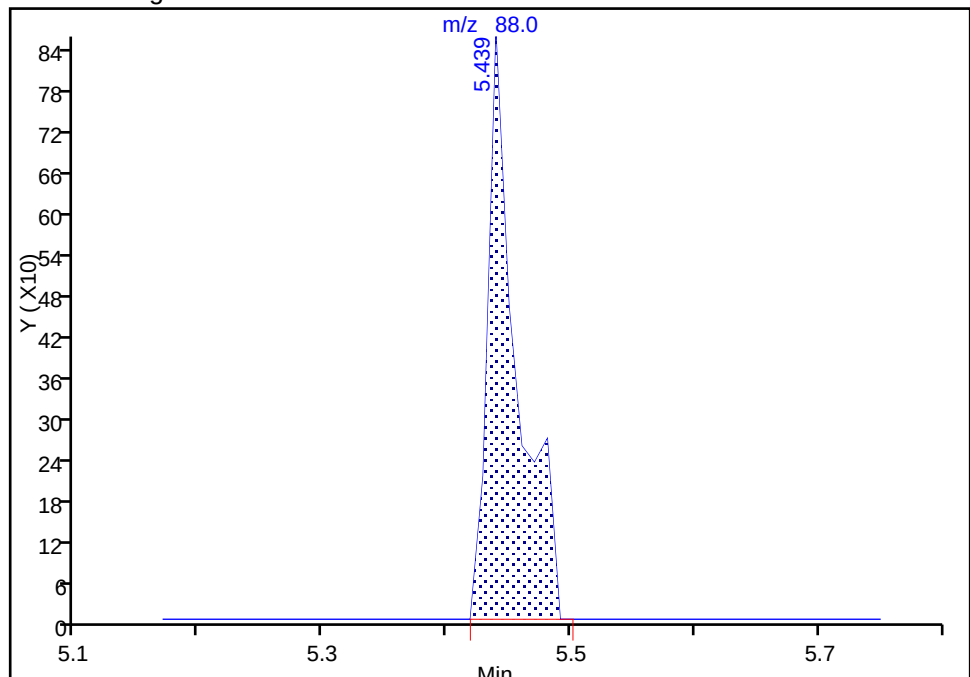
RT: 5.44
Area: 1257
Amount: 40.786361
Amount Units: ug/L

Processing Integration Results



RT: 5.44
Area: 1423
Amount: 36.402669
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:52:43

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3808.D

Injection Date: 11-Jan-2018 15:58:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#:

10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

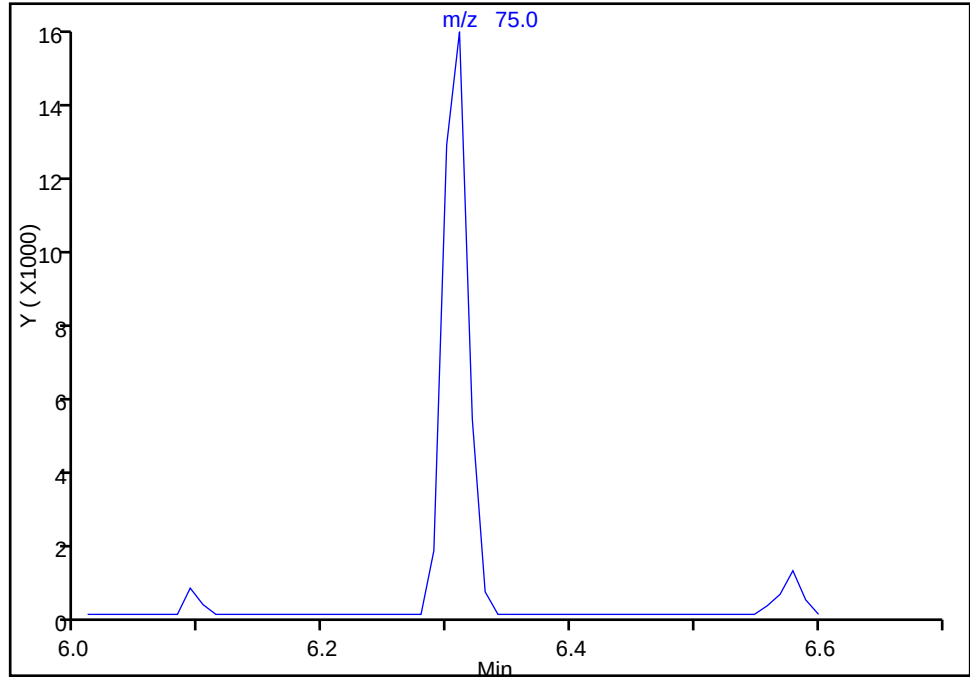
75 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

Not Detected

Expected RT: 6.31

Processing Integration Results



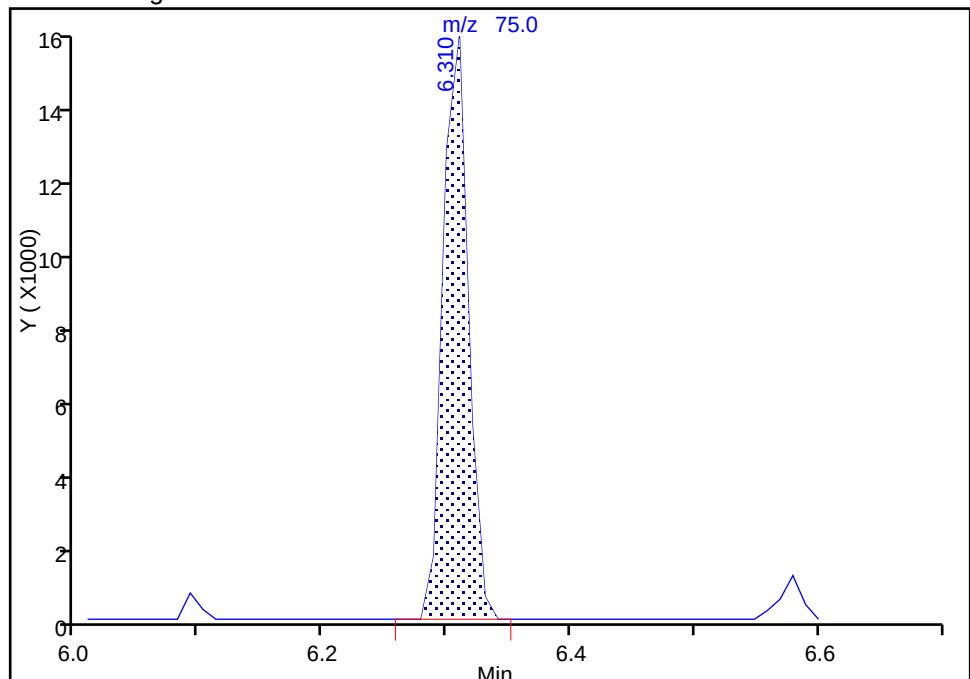
RT: 6.31

Area: 21909

Amount: 1.963366

Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:52:51

Audit Action: Assigned Compound ID

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180111-68520.b\\T3808.D

Injection Date: 11-Jan-2018 15:58:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#:

10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

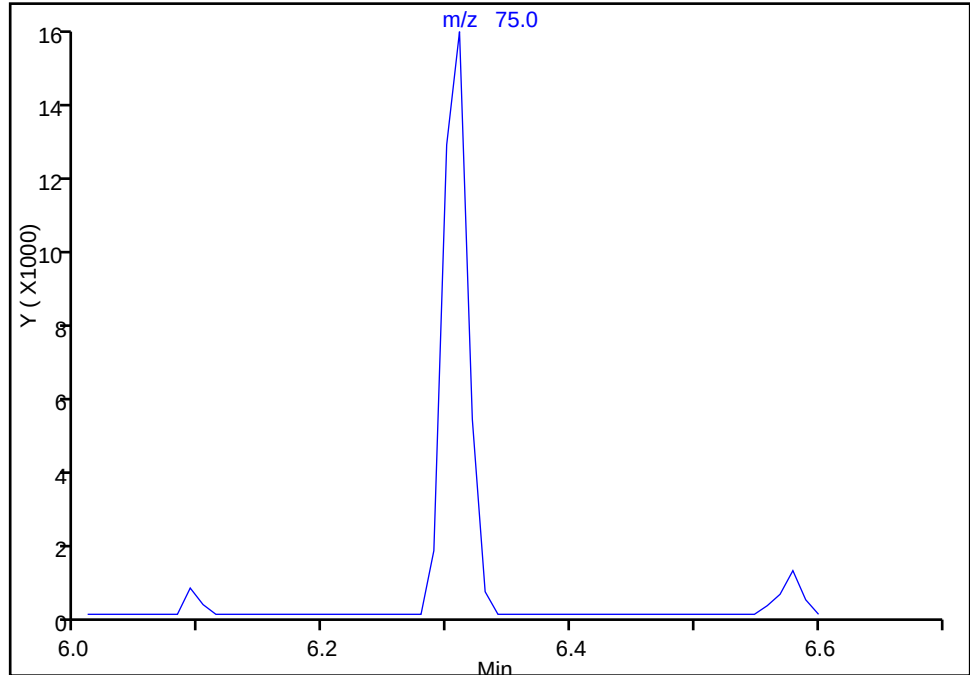
75 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

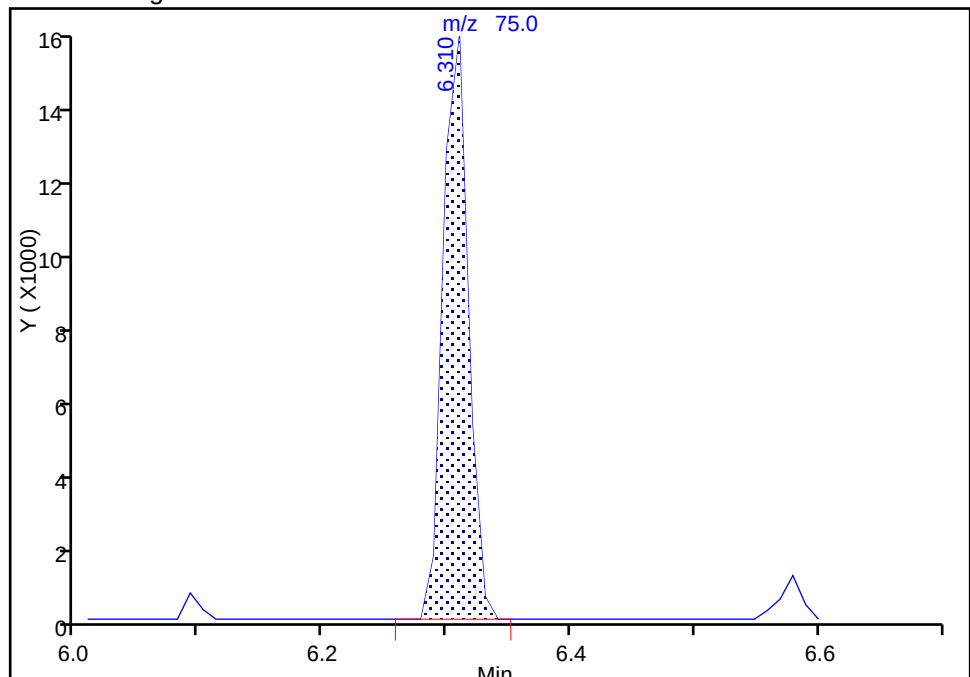
Not Detected

Expected RT: 6.31

Processing Integration Results



Manual Integration Results



RT: 6.31

Area: 21909

Amount: 1.963366

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:52:55

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3808.D

Injection Date: 11-Jan-2018 15:58:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: RR

ALS Bottle#: 10

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

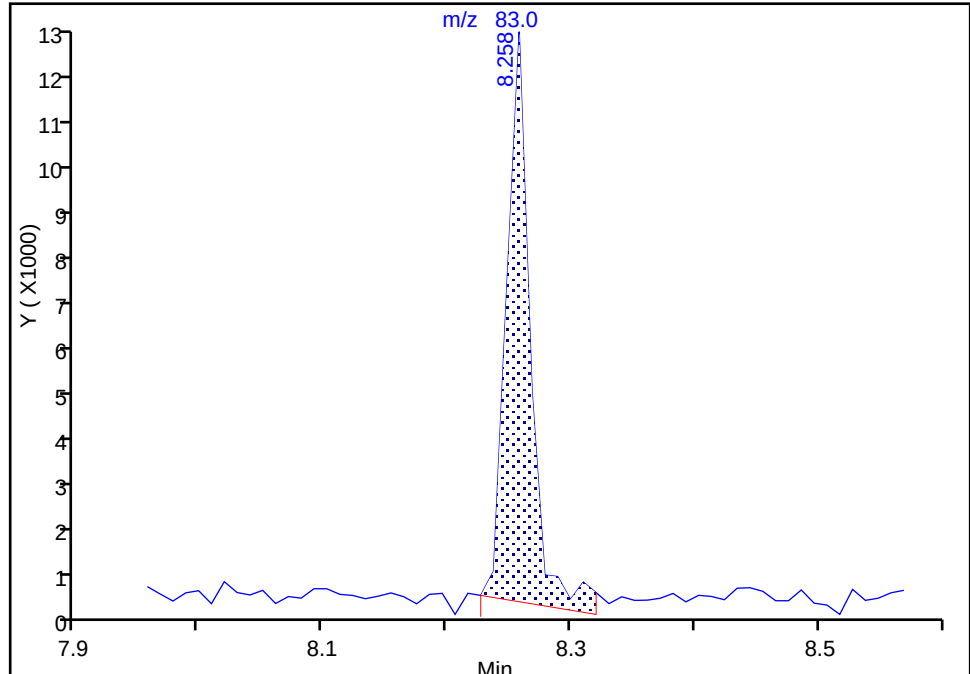
Detector: MS SCAN

98 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

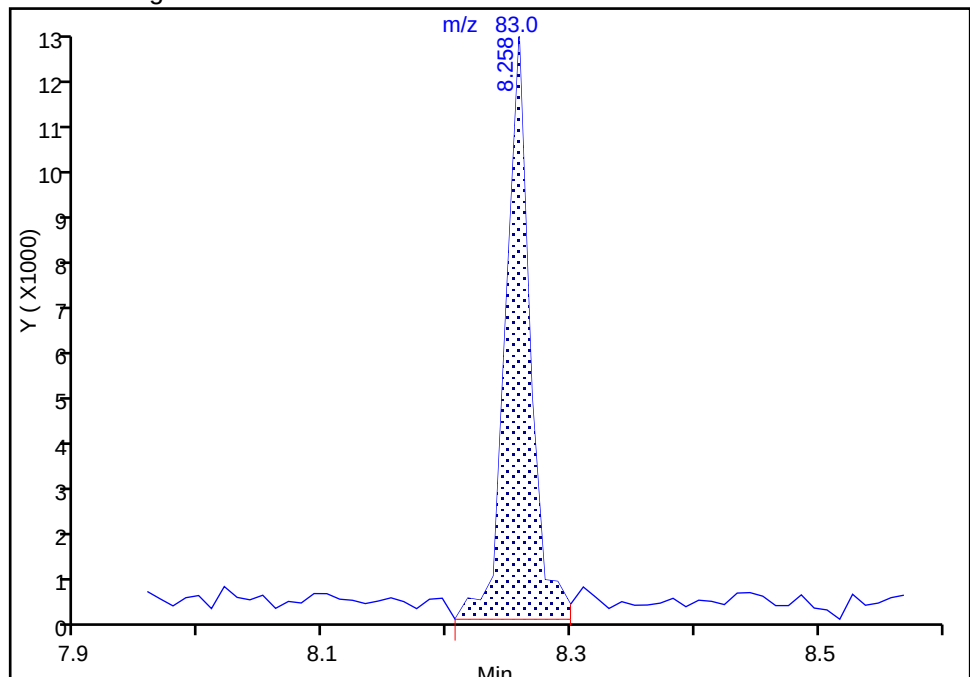
RT: 8.26
Area: 16757
Amount: 1.852725
Amount Units: ug/L

Processing Integration Results



RT: 8.26
Area: 17596
Amount: 2.149086
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:53:24

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3809.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Jan-2018 16:21:30 ALS Bottle#: 11 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0068520-011
 Operator ID: RR Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Jan-2018 09:46:23 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: reiler

Date: 12-Jan-2018 13:50:36

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	4.869	4.869	0.000	98	141588	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	88	570351	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	96	307066	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.403	4.403	0.000	93	182140	25.0	25.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.652	4.652	0.000	0	224805	25.0	24.9	
\$ 6 Toluene-d8 (Surr)	98	6.040	6.040	0.000	94	639725	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.000	88	209425	25.0	25.2	
11 Dichlorodifluoromethane	85	1.232	1.232	0.000	97	43336	5.00	4.42	M
13 Chloromethane	50	1.408	1.398	0.010	98	53120	5.00	4.30	
151 Butadiene	54	1.491	1.481	0.010	90	45760	5.00	4.35	
14 Vinyl chloride	62	1.481	1.481	0.000	98	48226	5.00	4.50	
15 Bromomethane	94	1.781	1.771	0.010	97	27097	5.00	4.45	
16 Chloroethane	64	1.843	1.843	0.000	99	29450	5.00	4.99	
17 Trichlorofluoromethane	101	2.051	2.051	0.000	71	56141	5.00	4.32	
18 Dichlorofluoromethane	67	2.061	2.061	0.000	94	60605	5.00	4.35	
19 Ethyl ether	59	2.299	2.299	0.000	97	34879	5.00	4.77	
21 Acrolein	56	2.486	2.475	0.011	97	30120	25.0	23.3	
22 1,1-Dichloroethene	96	2.517	2.507	0.010	94	34376	5.00	5.17	
20 1,1,2-Trichloro-1,2,2-trif	101	2.517	2.517	0.000	59	34657	5.00	5.06	
23 Acetone	43	2.631	2.621	0.010	98	60760	25.0	23.3	M
24 Iodomethane	142	2.662	2.662	0.000	98	63166	5.00	4.86	
25 Carbon disulfide	76	2.693	2.693	0.000	99	105710	5.00	4.92	
27 3-Chloro-1-propene	41	2.849	2.849	0.000	88	74174	5.00	4.71	
28 Methyl acetate	43	2.890	2.890	0.000	100	57369	10.0	9.46	
30 Methylene Chloride	84	2.994	2.983	0.011	96	44682	5.00	4.86	
31 2-Methyl-2-propanol	59	3.139	3.139	0.000	98	30642	50.0	44.2	
33 Methyl tert-butyl ether	73	3.170	3.170	0.000	99	97877	5.00	4.63	
32 trans-1,2-Dichloroethene	96	3.191	3.180	0.011	93	37083	5.00	4.90	
34 Acrylonitrile	53	3.242	3.242	0.000	97	138400	50.0	49.1	
35 Hexane	57	3.346	3.346	0.000	95	62779	5.00	4.71	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.553	3.553	0.000	97	69950	5.00	4.76	
39 Vinyl acetate	43	3.595	3.584	0.011	97	178502	10.0	9.47	
42 2,2-Dichloropropane	77	3.999	3.988	0.011	90	56948	5.00	4.66	
43 cis-1,2-Dichloroethene	96	4.020	4.020	0.000	86	41995	5.00	4.78	
44 2-Butanone (MEK)	43	4.051	4.040	0.011	98	78332	25.0	22.7	
47 Chlorobromomethane	128	4.216	4.216	0.000	93	21036	5.00	4.73	
48 Tetrahydrofuran	42	4.227	4.227	0.000	92	23625	10.0	9.33	
50 Chloroform	83	4.279	4.279	0.000	95	65652	5.00	4.59	
52 Cyclohexane	56	4.372	4.372	0.000	93	80938	5.00	5.17	
51 1,1,1-Trichloroethane	97	4.372	4.372	0.000	89	58503	5.00	4.77	
53 Carbon tetrachloride	117	4.486	4.486	0.000	95	57127	5.00	4.96	
54 1,1-Dichloropropene	75	4.486	4.486	0.000	88	46743	5.00	4.91	
55 Benzene	78	4.662	4.652	0.010	73	139547	5.00	5.09	
56 Isobutyl alcohol	43	4.672	4.662	0.010	92	32064	125.0	111.2	
57 1,2-Dichloroethane	62	4.714	4.714	0.000	97	60038	5.00	4.66	
59 n-Heptane	43	4.786	4.786	0.000	96	68136	5.00	4.31	
60 Trichloroethene	95	5.139	5.139	0.000	94	41269	5.00	5.15	
62 Methylcyclohexane	83	5.232	5.232	0.000	99	61469	5.00	4.81	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	88	39816	5.00	4.59	
65 Dibromomethane	93	5.439	5.439	0.000	96	23603	5.00	4.62	
66 1,4-Dioxane	88	5.439	5.439	0.000	33	3197	100.0	81.3	
67 Dichlorobromomethane	83	5.553	5.553	0.000	94	48213	5.00	4.65	
69 2-Chloroethyl vinyl ether	63	5.761	5.761	0.000	94	25588	5.00	4.61	
71 cis-1,3-Dichloropropene	75	5.875	5.875	0.000	88	56403	5.00	4.78	
72 4-Methyl-2-pentanone (MIBK)	43	5.978	5.978	0.000	98	185094	25.0	23.6	
73 Toluene	92	6.092	6.092	0.000	98	90706	5.00	4.84	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	1	54408	5.00	4.85	M
77 Ethyl methacrylate	69	6.331	6.331	0.001	94	44165	5.00	5.05	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	95	24411	5.00	4.53	
79 Tetrachloroethene	166	6.496	6.496	0.000	94	39696	5.00	4.80	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	97	51397	5.00	4.73	
81 2-Hexanone	43	6.621	6.610	0.011	98	130816	25.0	23.4	
82 Chlorodibromomethane	129	6.755	6.755	0.000	91	37547	5.00	4.54	
83 Ethylene Dibromide	107	6.838	6.838	0.000	95	33121	5.00	4.67	
86 Chlorobenzene	112	7.191	7.191	0.000	94	101695	5.00	4.71	
88 Ethylbenzene	91	7.253	7.253	0.000	98	173977	5.00	4.75	
89 1,1,1,2-Tetrachloroethane	131	7.263	7.263	0.000	94	38933	5.00	4.65	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	70137	5.00	4.75	
91 o-Xylene	106	7.657	7.667	-0.010	98	67557	5.00	4.73	
92 Styrene	104	7.688	7.688	0.000	96	118644	5.00	4.82	
93 Bromoform	173	7.885	7.885	0.000	95	21196	5.00	4.31	
95 Isopropylbenzene	105	7.947	7.947	0.000	97	175748	5.00	4.74	
97 Bromobenzene	156	8.227	8.227	0.000	93	45868	5.00	4.78	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	96	35899	5.00	4.50	
99 N-Propylbenzene	91	8.279	8.279	0.000	98	207746	5.00	4.85	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	87	12062	5.00	4.55	
101 trans-1,4-Dichloro-2-buten	53	8.289	8.289	0.000	73	16675	5.00	4.77	
105 2-Chlorotoluene	126	8.362	8.362	0.000	95	41910	5.00	4.82	
104 1,3,5-Trimethylbenzene	105	8.414	8.413	0.001	96	156087	5.00	4.83	
102 4-Chlorotoluene	91	8.455	8.455	0.000	98	134831	5.00	4.86	
106 tert-Butylbenzene	134	8.673	8.673	0.000	94	34890	5.00	4.87	
107 1,2,4-Trimethylbenzene	105	8.724	8.724	0.000	98	159497	5.00	4.74	

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	8.849	8.849	0.000	94	194498	5.00	4.88	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	170342	5.00	4.80	
110 1,3-Dichlorobenzene	146	8.983	8.983	0.000	97	90991	5.00	4.89	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	95	90924	5.00	4.76	
115 n-Butylbenzene	91	9.305	9.305	0.000	98	152273	5.00	4.78	
116 1,2-Dichlorobenzene	146	9.367	9.367	0.000	97	86257	5.00	4.84	
117 1,2-Dibromo-3-Chloropropan	75	10.041	10.040	0.000	75	6912	5.00	4.42	
119 1,2,4-Trichlorobenzene	180	10.683	10.693	-0.010	94	61858	5.00	4.79	
120 Hexachlorobutadiene	225	10.787	10.787	0.000	96	28796	5.00	4.58	
121 Naphthalene	128	10.901	10.901	0.000	97	141037	5.00	4.59	
122 1,2,3-Trichlorobenzene	180	11.098	11.098	0.000	94	54875	5.00	4.58	
S 123 1,3-Dichloropropene, Total	1				0			9.63	
S 124 1,2-Dichloroethene, Total	1				0			9.68	
S 125 Total BTEX	1				0			24.2	
S 126 Xylenes, Total	1				0			9.48	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00118

Amount Added: 5.00

Units: uL

GAS CORP mix_00259

Amount Added: 5.00

Units: uL

T_8260_IS_00184

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00165

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3809.D

Injection Date: 11-Jan-2018 16:21:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: IC 3

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

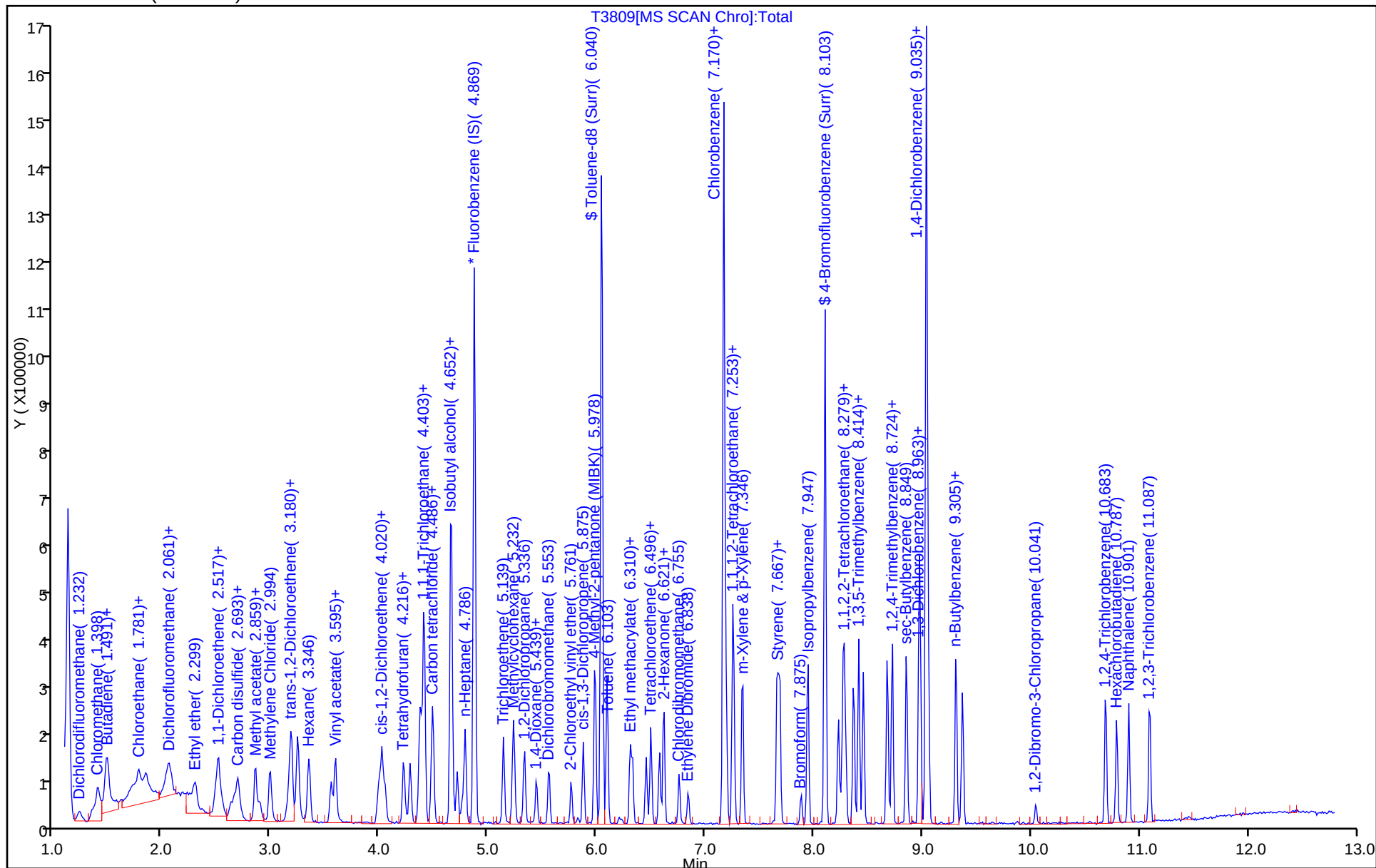
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3809.D

Injection Date: 11-Jan-2018 16:21:30

Instrument ID: HP5975T

Lims ID: IC 3

Client ID:

Operator ID: RR

ALS Bottle#:

11

Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

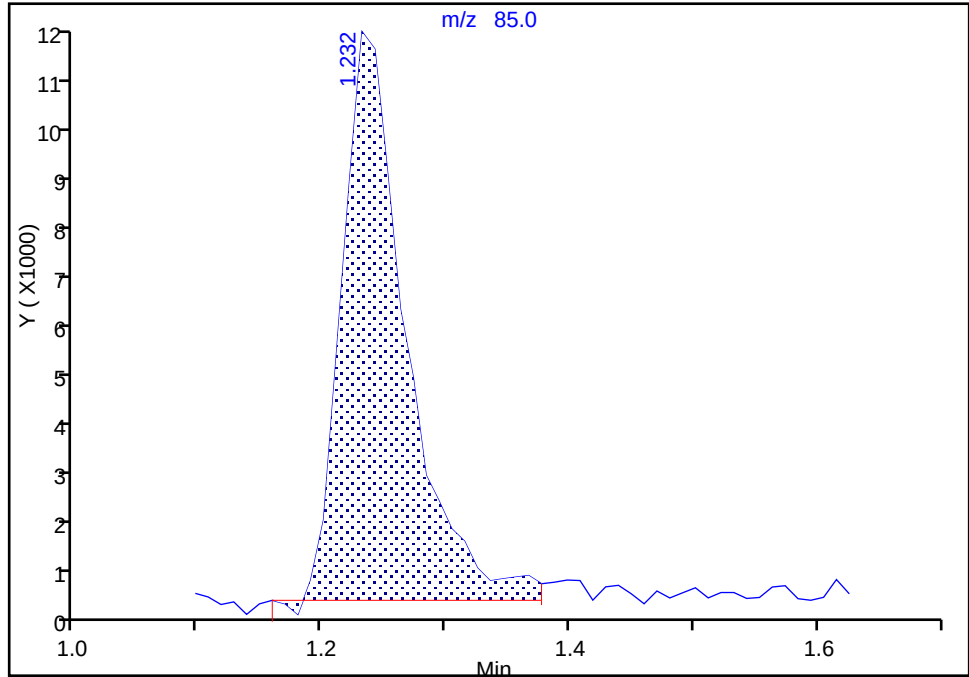
Detector: MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

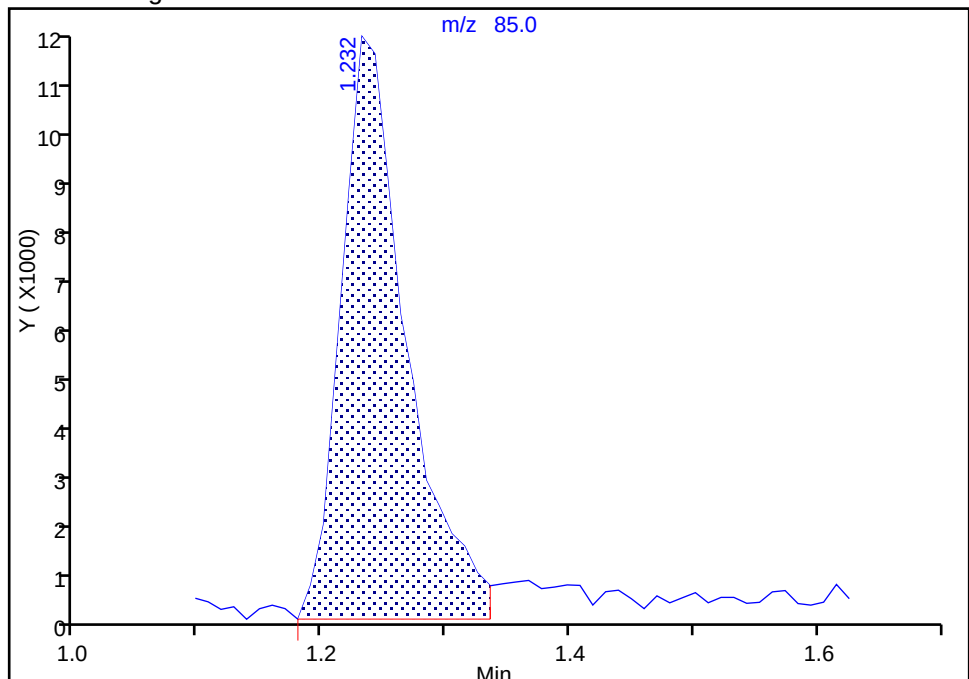
RT: 1.23
Area: 41569
Amount: 4.431311
Amount Units: ug/L

Processing Integration Results



RT: 1.23
Area: 43336
Amount: 4.421780
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:50:33

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3809.D

Injection Date: 11-Jan-2018 16:21:30

Instrument ID: HP5975T

Lims ID: IC 3

Client ID:

Operator ID: RR

ALS Bottle#: 11 Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

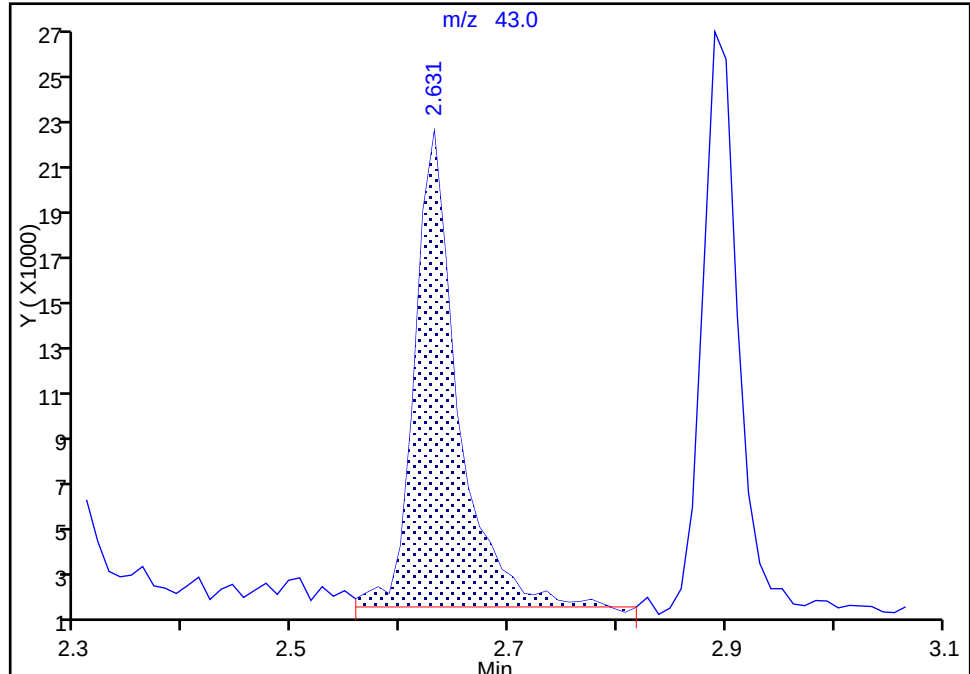
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

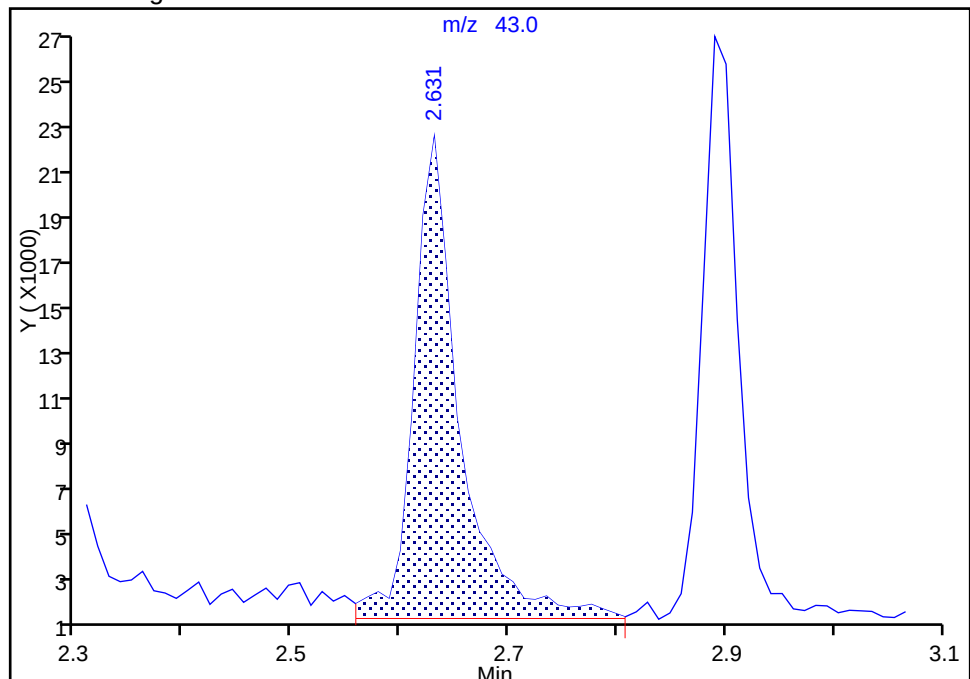
RT: 2.63
Area: 56346
Amount: 21.844568
Amount Units: ug/L

Processing Integration Results



RT: 2.63
Area: 60760
Amount: 23.337874
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:54:27

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

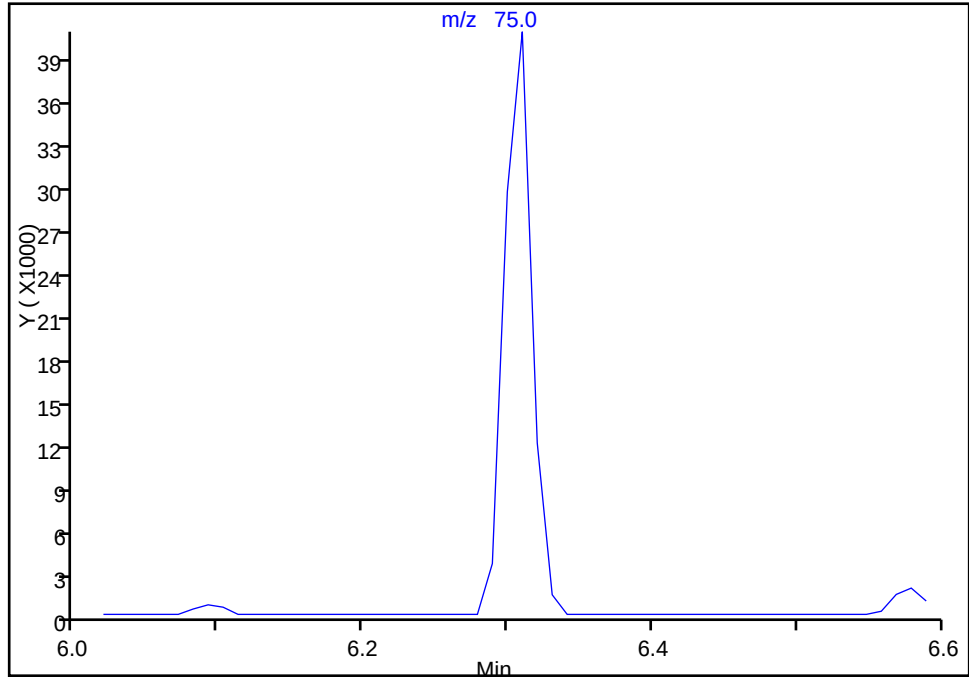
Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3809.D
Injection Date: 11-Jan-2018 16:21:30 Instrument ID: HP5975T
Lims ID: IC 3
Client ID:
Operator ID: RR ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

75 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

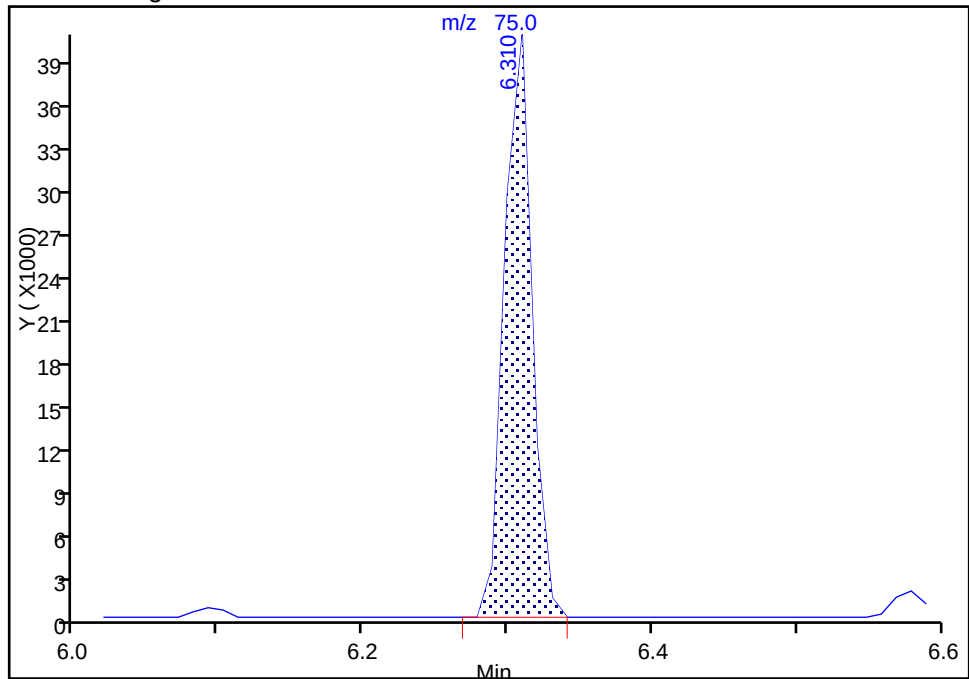
Not Detected
Expected RT: 6.31

Processing Integration Results



RT: 6.31
Area: 54408
Amount: 4.847044
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:55:13
Audit Action: Assigned Compound ID

Audit Reason: Baseline
Page 647 of 861

01/22/2018

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3809.D

Injection Date: 11-Jan-2018 16:21:30

Instrument ID: HP5975T

Lims ID: IC 3

Client ID:

Operator ID: RR

ALS Bottle#:

11

Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

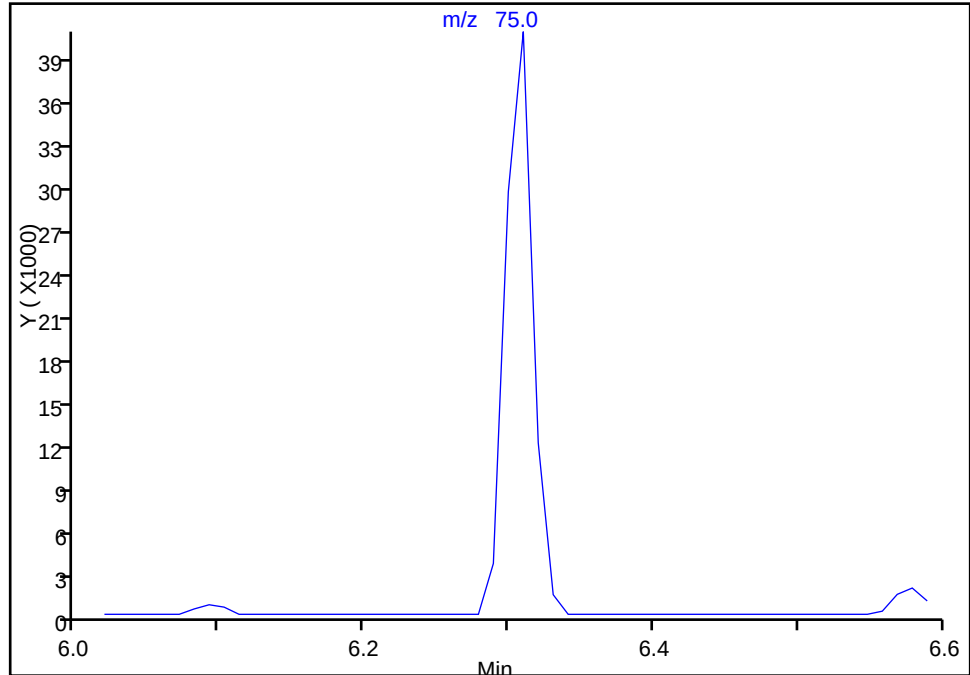
75 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

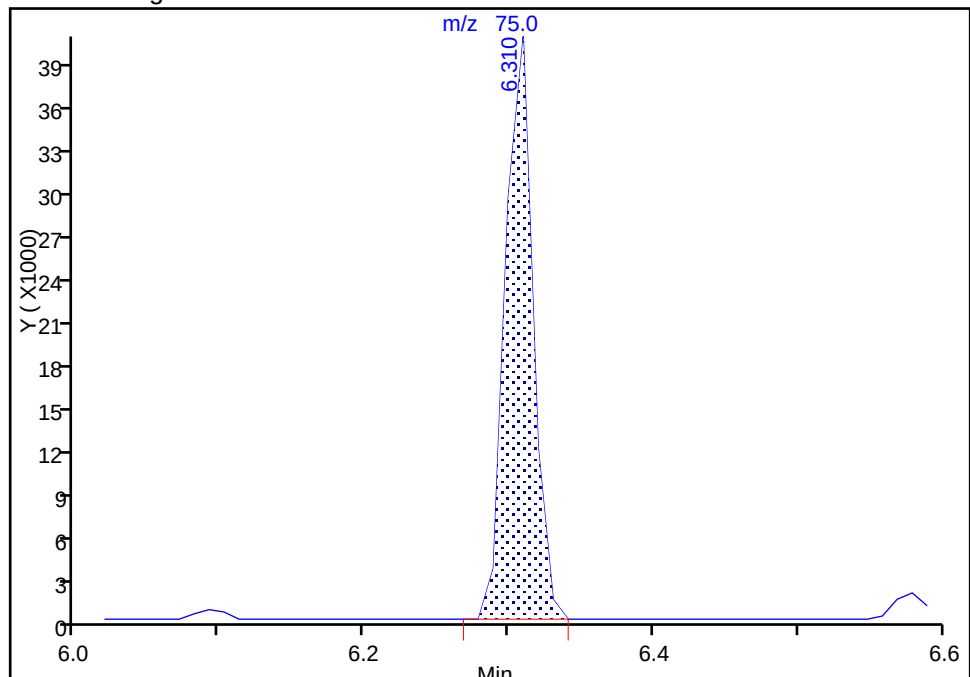
Not Detected

Expected RT: 6.31

Processing Integration Results



Manual Integration Results



RT: 6.31

Area: 54408

Amount: 4.847044

Amount Units: ug/L

Reviewer: reiler, 12-Jan-2018 13:55:18

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3810.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 11-Jan-2018 16:45:30 ALS Bottle#: 12 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0068520-012
 Operator ID: RR Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Jan-2018 09:46:27 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: reiler

Date: 12-Jan-2018 13:57:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.869	4.869	0.000	98	146365	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	89	569176	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	97	307604	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.403	0.010	93	179638	25.0	24.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.652	4.652	0.000	0	227157	25.0	24.3	
\$ 6 Toluene-d8 (Surr)	98	6.040	6.040	0.000	94	653439	25.0	25.4	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.000	87	205839	25.0	24.8	
11 Dichlorodifluoromethane	85	1.242	1.232	0.010	98	100530	10.0	9.92	
13 Chloromethane	50	1.408	1.398	0.010	98	132249	10.0	10.4	
14 Vinyl chloride	62	1.491	1.481	0.010	98	114780	10.0	10.4	
151 Butadiene	54	1.491	1.481	0.010	93	116548	10.0	10.7	
15 Bromomethane	94	1.781	1.771	0.010	95	63086	10.0	10.0	
16 Chloroethane	64	1.843	1.843	0.000	97	57576	10.0	9.44	
17 Trichlorofluoromethane	101	2.061	2.051	0.010	60	139866	10.0	10.4	
18 Dichlorofluoromethane	67	2.061	2.061	0.000	95	145329	10.0	10.1	
19 Ethyl ether	59	2.310	2.299	0.011	96	68051	10.0	9.00	
21 Acrolein	56	2.486	2.475	0.011	99	56065	50.0	41.9	
22 1,1-Dichloroethene	96	2.507	2.507	0.000	94	57655	10.0	8.40	
20 1,1,2-Trichloro-1,2,2-trif	101	2.517	2.517	0.000	51	63705	10.0	9.00	
23 Acetone	43	2.631	2.621	0.010	98	117122	50.0	43.5	M
24 Iodomethane	142	2.662	2.662	0.000	98	120196	10.0	8.95	
25 Carbon disulfide	76	2.693	2.693	0.000	99	198434	10.0	8.93	
27 3-Chloro-1-propene	41	2.859	2.849	0.010	86	137127	10.0	8.43	
28 Methyl acetate	43	2.900	2.890	0.010	99	109299	20.0	17.4	
30 Methylene Chloride	84	2.994	2.983	0.011	95	77738	10.0	8.84	
31 2-Methyl-2-propanol	59	3.139	3.139	0.000	97	68566	100.0	95.6	
33 Methyl tert-butyl ether	73	3.170	3.170	0.000	99	200119	10.0	9.17	
32 trans-1,2-Dichloroethene	96	3.191	3.180	0.011	94	68368	10.0	8.74	
34 Acrylonitrile	53	3.242	3.242	0.000	98	276941	100.0	95.1	
35 Hexane	57	3.346	3.346	0.000	93	109935	10.0	7.98	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.553	3.553	0.000	97	134801	10.0	8.87	
39 Vinyl acetate	43	3.595	3.584	0.011	97	347795	20.0	17.8	
42 2,2-Dichloropropane	77	3.999	3.988	0.011	89	108852	10.0	8.61	
43 cis-1,2-Dichloroethene	96	4.020	4.020	0.000	86	79481	10.0	8.75	
44 2-Butanone (MEK)	43	4.051	4.040	0.011	98	159515	50.0	44.8	
47 Chlorobromomethane	128	4.217	4.216	0.001	95	39460	10.0	8.59	
48 Tetrahydrofuran	42	4.227	4.227	0.000	93	45936	20.0	17.5	
50 Chloroform	83	4.279	4.279	0.000	97	127490	10.0	8.62	
51 1,1,1-Trichloroethane	97	4.372	4.372	0.000	97	113875	10.0	8.98	
52 Cyclohexane	56	4.372	4.372	0.000	95	139236	10.0	8.60	
54 1,1-Dichloropropene	75	4.486	4.486	0.000	89	89740	10.0	9.12	
53 Carbon tetrachloride	117	4.486	4.486	0.000	96	103657	10.0	8.71	
55 Benzene	78	4.662	4.652	0.010	89	256473	10.0	9.05	
56 Isobutyl alcohol	43	4.673	4.662	0.011	93	69028	250.0	231.6	
57 1,2-Dichloroethane	62	4.714	4.714	0.000	97	119941	10.0	9.00	
59 n-Heptane	43	4.787	4.786	0.001	96	130563	10.0	8.00	
60 Trichloroethene	95	5.139	5.139	0.000	94	73535	10.0	8.89	
62 Methylcyclohexane	83	5.232	5.232	0.000	98	109001	10.0	8.24	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	88	77399	10.0	8.62	
66 1,4-Dioxane	88	5.439	5.439	0.000	35	8138	200.0	207.4	
65 Dibromomethane	93	5.439	5.439	0.000	95	47005	10.0	8.90	
67 Dichlorobromomethane	83	5.553	5.553	0.000	97	99216	10.0	9.25	
69 2-Chloroethyl vinyl ether	63	5.761	5.761	0.000	94	47894	10.0	8.35	
71 cis-1,3-Dichloropropene	75	5.875	5.875	0.000	88	109310	10.0	8.96	
72 4-Methyl-2-pentanone (MIBK)	43	5.978	5.978	0.000	99	366003	50.0	46.7	
73 Toluene	92	6.092	6.092	0.000	97	170125	10.0	9.10	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	97	101711	10.0	9.08	
77 Ethyl methacrylate	69	6.331	6.331	0.001	95	83549	10.0	9.57	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	92	48925	10.0	9.10	
79 Tetrachloroethene	166	6.496	6.496	0.000	93	75931	10.0	9.19	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	97	101670	10.0	9.37	
81 2-Hexanone	43	6.621	6.610	0.011	99	264223	50.0	47.4	
82 Chlorodibromomethane	129	6.756	6.755	0.001	91	74246	10.0	8.99	
83 Ethylene Dibromide	107	6.838	6.838	0.000	96	65587	10.0	9.27	
86 Chlorobenzene	112	7.191	7.191	0.000	93	199950	10.0	9.28	
88 Ethylbenzene	91	7.253	7.253	0.000	98	335141	10.0	9.18	
89 1,1,1,2-Tetrachloroethane	131	7.263	7.263	0.000	92	77258	10.0	9.26	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	135851	10.0	9.22	
91 o-Xylene	106	7.657	7.667	-0.010	99	128721	10.0	9.04	
92 Styrene	104	7.688	7.688	0.000	95	227223	10.0	9.25	
93 Bromoform	173	7.885	7.885	0.000	95	44379	10.0	9.04	
95 Isopropylbenzene	105	7.947	7.947	0.000	96	344805	10.0	9.28	
97 Bromobenzene	156	8.227	8.227	0.000	93	89250	10.0	9.28	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	95	74435	10.0	9.31	
99 N-Propylbenzene	91	8.279	8.279	0.000	98	399874	10.0	9.33	
101 trans-1,4-Dichloro-2-buten	53	8.289	8.289	0.000	77	32293	10.0	9.22	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	91	24745	10.0	9.33	
105 2-Chlorotoluene	126	8.362	8.362	0.000	95	79018	10.0	9.07	
104 1,3,5-Trimethylbenzene	105	8.414	8.413	0.001	95	298998	10.0	9.23	
102 4-Chlorotoluene	91	8.455	8.455	0.000	98	255144	10.0	9.18	
106 tert-Butylbenzene	134	8.673	8.673	0.000	94	63895	10.0	8.91	
107 1,2,4-Trimethylbenzene	105	8.724	8.724	0.000	98	310857	10.0	9.23	

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	8.849	8.849	0.000	95	368004	10.0	9.22	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	329226	10.0	9.26	
110 1,3-Dichlorobenzene	146	8.984	8.983	0.001	99	178262	10.0	9.57	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	95	177096	10.0	9.25	
115 n-Butylbenzene	91	9.305	9.305	0.000	98	289580	10.0	9.07	
116 1,2-Dichlorobenzene	146	9.367	9.367	0.000	96	167635	10.0	9.38	
117 1,2-Dibromo-3-Chloropropan	75	10.041	10.040	0.001	82	15219	10.0	9.72	
119 1,2,4-Trichlorobenzene	180	10.693	10.693	0.000	95	117025	10.0	9.05	
120 Hexachlorobutadiene	225	10.787	10.787	0.000	95	55892	10.0	8.88	
121 Naphthalene	128	10.901	10.901	0.000	98	281214	10.0	9.15	
122 1,2,3-Trichlorobenzene	180	11.098	11.098	0.000	96	114459	10.0	9.54	
S 125 Total BTEX	1				0			45.6	
S 126 Xylenes, Total	1				0			18.3	
S 123 1,3-Dichloropropene, Total	1				0			18.0	
S 124 1,2-Dichloroethene, Total	1				0			17.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00118

Amount Added: 5.00

Units: uL

GAS CORP mix_00259

Amount Added: 5.00

Units: uL

T_8260_IS_00184

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00165

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3810.D

Injection Date: 11-Jan-2018 16:45:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: IC 4

Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL

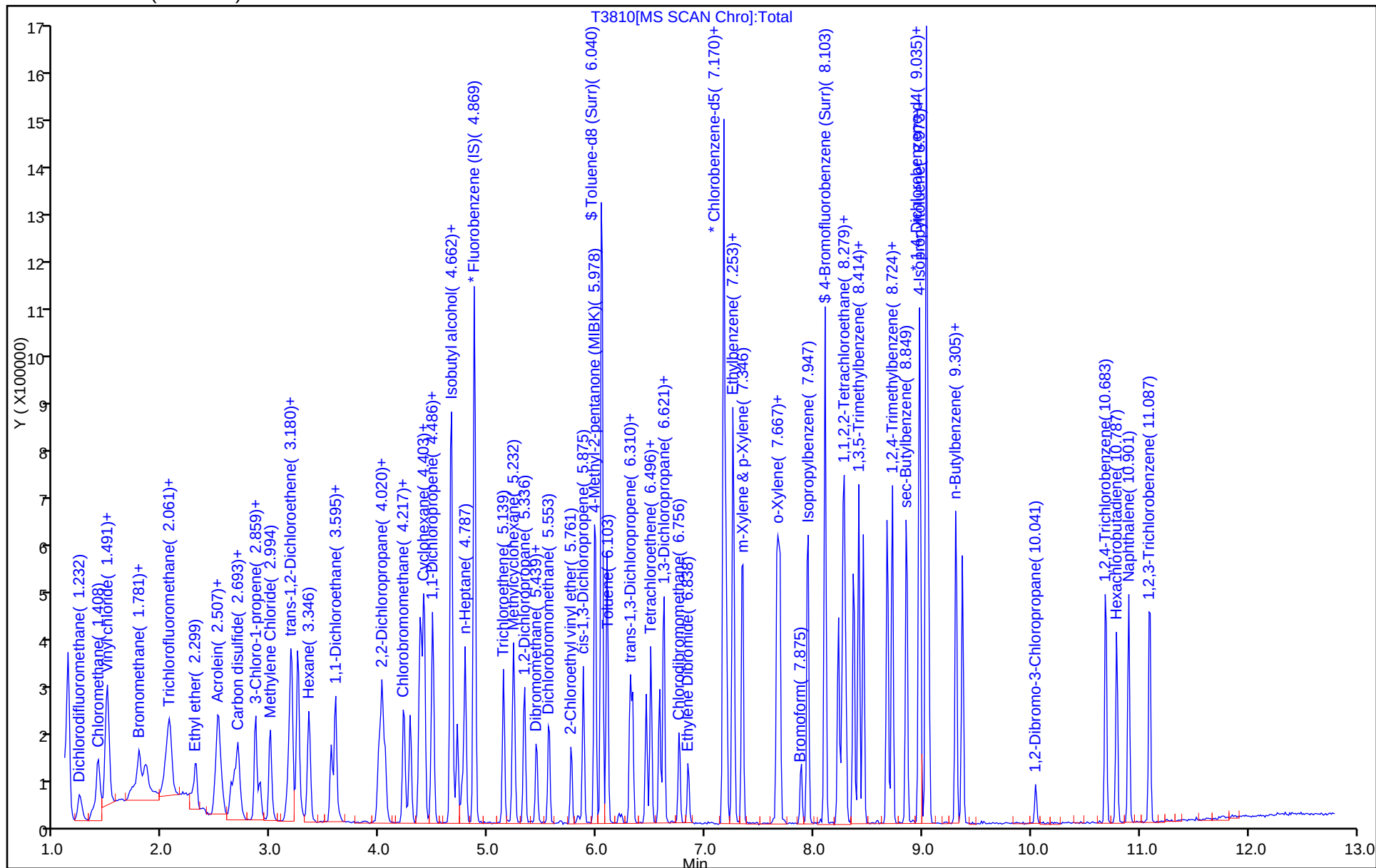
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3810.D

Injection Date: 11-Jan-2018 16:45:30

Instrument ID: HP5975T

Lims ID: IC 4

Client ID:

Operator ID: RR

ALS Bottle#: 12 Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

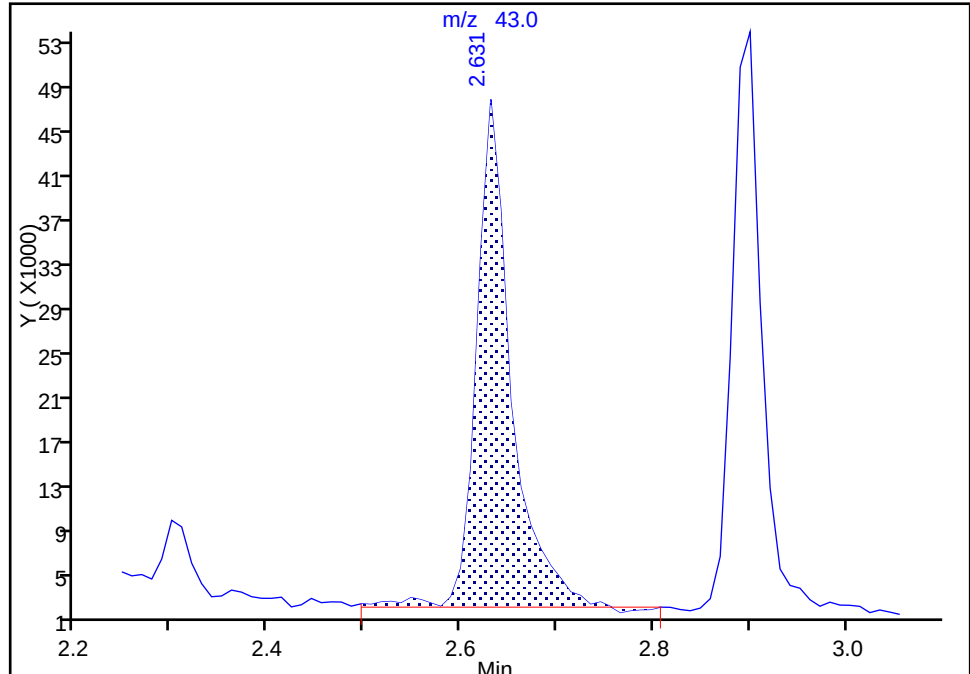
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

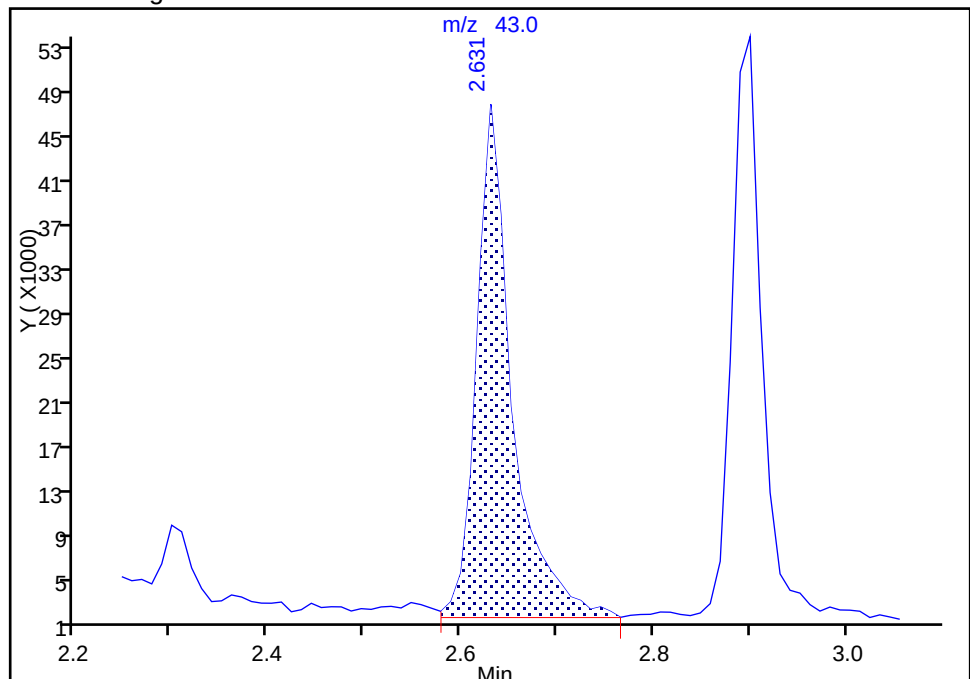
RT: 2.63
Area: 113149
Amount: 39.976239
Amount Units: ug/L

Processing Integration Results



RT: 2.63
Area: 117122
Amount: 43.518230
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:56:13

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3811.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 11-Jan-2018 17:08:30 ALS Bottle#: 13 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0068520-013
 Operator ID: RR Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Jan-2018 10:08:01 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: reiler

Date: 12-Jan-2018 08:47:24

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	4.869	0.000	98	145474	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	88	568441	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	95	312984	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.403	4.403	0.000	93	182784	25.0	24.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.652	4.652	0.000	0	227803	25.0	24.6	
\$ 6 Toluene-d8 (Surr)	98	6.040	6.040	0.000	94	642245	25.0	25.0	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.000	88	210557	25.0	25.4	
11 Dichlorodifluoromethane	85	1.232	1.232	0.000	99	225354	25.0	22.4	
13 Chloromethane	50	1.398	1.398	0.000	99	302667	25.0	23.9	
151 Butadiene	54	1.481	1.481	0.000	95	254277	25.0	23.5	
14 Vinyl chloride	62	1.481	1.481	0.000	98	248678	25.0	22.6	
15 Bromomethane	94	1.771	1.771	0.000	93	136352	25.0	21.8	
16 Chloroethane	64	1.843	1.843	0.000	98	135189	25.0	22.3	
17 Trichlorofluoromethane	101	2.051	2.051	0.000	70	299649	25.0	22.4	
18 Dichlorofluoromethane	67	2.061	2.061	0.000	95	310603	25.0	21.7	
19 Ethyl ether	59	2.299	2.299	0.000	97	188563	25.0	25.1	
21 Acrolein	56	2.475	2.475	0.000	99	175470	125.0	132.0	
22 1,1-Dichloroethene	96	2.507	2.507	0.000	94	168767	25.0	24.7	
20 1,1,2-Trichloro-1,2,2-trif	101	2.517	2.517	0.000	55	185653	25.0	26.4	
23 Acetone	43	2.621	2.621	0.000	98	319041	125.0	119.3	
24 Iodomethane	142	2.662	2.662	0.000	98	350777	25.0	26.3	
25 Carbon disulfide	76	2.693	2.693	0.000	99	571833	25.0	25.9	
27 3-Chloro-1-propene	41	2.849	2.849	0.000	86	399248	25.0	24.7	
28 Methyl acetate	43	2.890	2.890	0.000	100	318821	50.0	51.2	
30 Methylene Chloride	84	2.983	2.983	0.000	95	202973	25.0	24.8	
31 2-Methyl-2-propanol	59	3.139	3.139	0.000	97	183696	250.0	257.7	
33 Methyl tert-butyl ether	73	3.170	3.170	0.000	98	577917	25.0	26.6	
32 trans-1,2-Dichloroethene	96	3.180	3.180	0.000	94	196778	25.0	25.3	
34 Acrylonitrile	53	3.242	3.242	0.000	97	776158	250.0	268.1	
35 Hexane	57	3.346	3.346	0.000	94	332144	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
36 1,1-Dichloroethane	63	3.553	3.553	0.000	97	386255	25.0	25.6	
39 Vinyl acetate	43	3.584	3.584	0.000	97	1042779	50.0	53.8	
42 2,2-Dichloropropane	77	3.988	3.988	0.000	90	312930	25.0	24.9	
43 cis-1,2-Dichloroethene	96	4.020	4.020	0.000	86	230439	25.0	25.5	
44 2-Butanone (MEK)	43	4.040	4.040	0.000	98	458012	125.0	129.4	
47 Chlorobromomethane	128	4.216	4.216	0.000	94	118419	25.0	25.9	
48 Tetrahydrofuran	42	4.227	4.227	0.000	93	122327	50.0	47.0	
50 Chloroform	83	4.279	4.279	0.000	96	360192	25.0	24.5	
51 1,1,1-Trichloroethane	97	4.372	4.372	0.000	90	324754	25.0	25.8	
52 Cyclohexane	56	4.372	4.372	0.000	96	411584	25.0	25.6	
54 1,1-Dichloropropene	75	4.486	4.486	0.000	88	258726	25.0	26.4	
53 Carbon tetrachloride	117	4.486	4.486	0.000	96	310160	25.0	26.2	
55 Benzene	78	4.652	4.652	0.000	94	739237	25.0	26.3	
56 Isobutyl alcohol	43	4.662	4.662	0.000	92	186033	625.0	628.1	
57 1,2-Dichloroethane	62	4.714	4.714	0.000	97	338144	25.0	25.5	
59 n-Heptane	43	4.786	4.786	0.000	97	387782	25.0	23.9	
60 Trichloroethene	95	5.139	5.139	0.000	94	205621	25.0	25.0	
62 Methylcyclohexane	83	5.232	5.232	0.000	99	323866	25.0	24.6	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	88	220657	25.0	24.7	
65 Dibromomethane	93	5.439	5.439	0.000	95	133263	25.0	25.4	
66 1,4-Dioxane	88	5.439	5.439	0.000	35	20458	500.0	522.0	M
67 Dichlorobromomethane	83	5.553	5.553	0.000	96	284726	25.0	26.7	
69 2-Chloroethyl vinyl ether	63	5.761	5.761	0.000	93	141926	25.0	24.9	
71 cis-1,3-Dichloropropene	75	5.875	5.875	0.000	88	326125	25.0	26.9	
72 4-Methyl-2-pentanone (MIBK)	43	5.978	5.978	0.000	99	1068661	125.0	136.5	
73 Toluene	92	6.092	6.092	0.000	98	496314	25.0	26.6	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	97	306445	25.0	27.4	
77 Ethyl methacrylate	69	6.331	6.331	0.000	93	245252	25.0	28.1	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	95	143677	25.0	26.8	
79 Tetrachloroethene	166	6.496	6.496	0.000	94	220418	25.0	26.7	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	98	293796	25.0	27.1	
81 2-Hexanone	43	6.610	6.610	0.000	98	755564	125.0	135.8	
82 Chlorodibromomethane	129	6.755	6.755	0.000	91	223470	25.0	27.1	
83 Ethylene Dibromide	107	6.838	6.838	0.000	97	188931	25.0	26.7	
86 Chlorobenzene	112	7.191	7.191	0.000	93	562986	25.0	26.2	
88 Ethylbenzene	91	7.253	7.253	0.000	98	965790	25.0	26.5	
89 1,1,1,2-Tetrachloroethane	131	7.263	7.263	0.000	94	221170	25.0	26.5	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	384512	25.0	26.1	
91 o-Xylene	106	7.667	7.667	0.000	97	373041	25.0	26.2	
92 Styrene	104	7.688	7.688	0.000	95	660778	25.0	26.9	
93 Bromoform	173	7.885	7.885	0.000	95	136290	25.0	27.8	
95 Isopropylbenzene	105	7.947	7.947	0.000	97	990964	25.0	26.2	
97 Bromobenzene	156	8.227	8.227	0.000	92	259282	25.0	26.5	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	95	216486	25.0	26.6	
99 N-Propylbenzene	91	8.279	8.279	0.000	99	1161052	25.0	26.6	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	91	73272	25.0	27.1	
101 trans-1,4-Dichloro-2-buten	53	8.289	8.289	0.000	79	90551	25.0	25.4	
105 2-Chlorotoluene	126	8.362	8.362	0.000	96	236859	25.0	26.7	
104 1,3,5-Trimethylbenzene	105	8.413	8.413	0.000	96	855869	25.0	26.0	
102 4-Chlorotoluene	91	8.455	8.455	0.000	99	732249	25.0	25.9	
106 tert-Butylbenzene	134	8.673	8.673	0.000	94	190033	25.0	26.0	
107 1,2,4-Trimethylbenzene	105	8.724	8.724	0.000	98	912956	25.0	26.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.849	8.849	0.000	95	1074542	25.0	26.4	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	965531	25.0	26.7	
110 1,3-Dichlorobenzene	146	8.983	8.983	0.000	99	508124	25.0	26.8	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	94	514086	25.0	26.4	
115 n-Butylbenzene	91	9.305	9.305	0.000	98	851173	25.0	26.2	
116 1,2-Dichlorobenzene	146	9.367	9.367	0.000	97	488722	25.0	26.9	
117 1,2-Dibromo-3-Chloropropan	75	10.040	10.040	0.000	80	42547	25.0	26.7	
119 1,2,4-Trichlorobenzene	180	10.693	10.693	0.000	95	346836	25.0	26.4	
120 Hexachlorobutadiene	225	10.787	10.787	0.000	96	169193	25.0	26.4	
121 Naphthalene	128	10.901	10.901	0.000	97	847877	25.0	27.1	
122 1,2,3-Trichlorobenzene	180	11.098	11.098	0.000	95	324531	25.0	26.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00118	Amount Added: 12.50	Units: uL	
GAS CORP mix_00259	Amount Added: 12.50	Units: uL	
T_8260_IS_00184	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_Surr_00165	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3811.D

Injection Date: 11-Jan-2018 17:08:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: ICIS 5

Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL

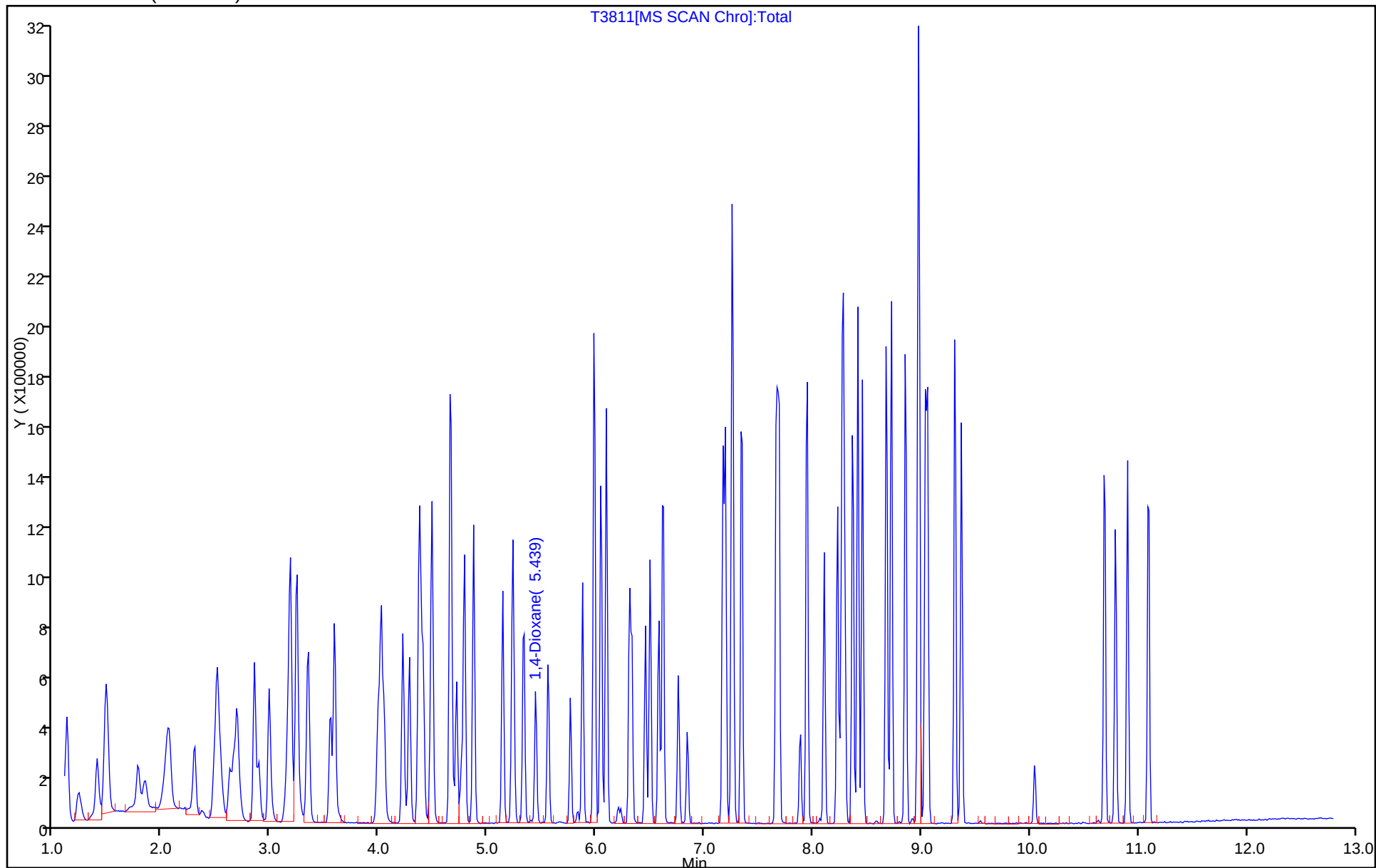
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3811.D

Injection Date: 11-Jan-2018 17:08:30

Instrument ID: HP5975T

Lims ID: ICIS 5

Client ID:

Operator ID: RR

ALS Bottle#: 13 Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

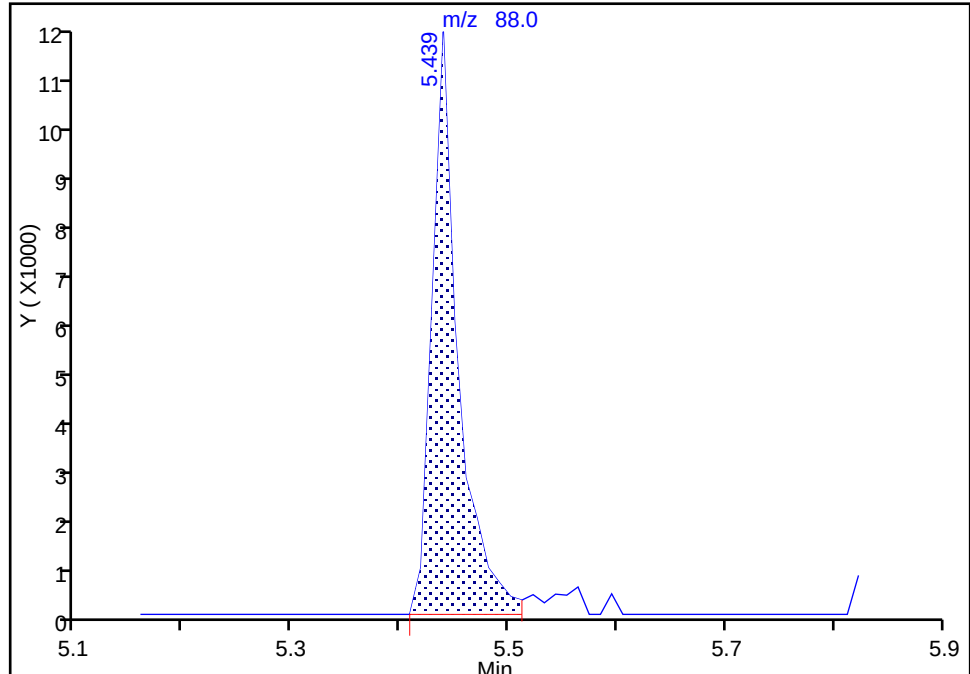
Detector: MS SCAN

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

Signal: 1

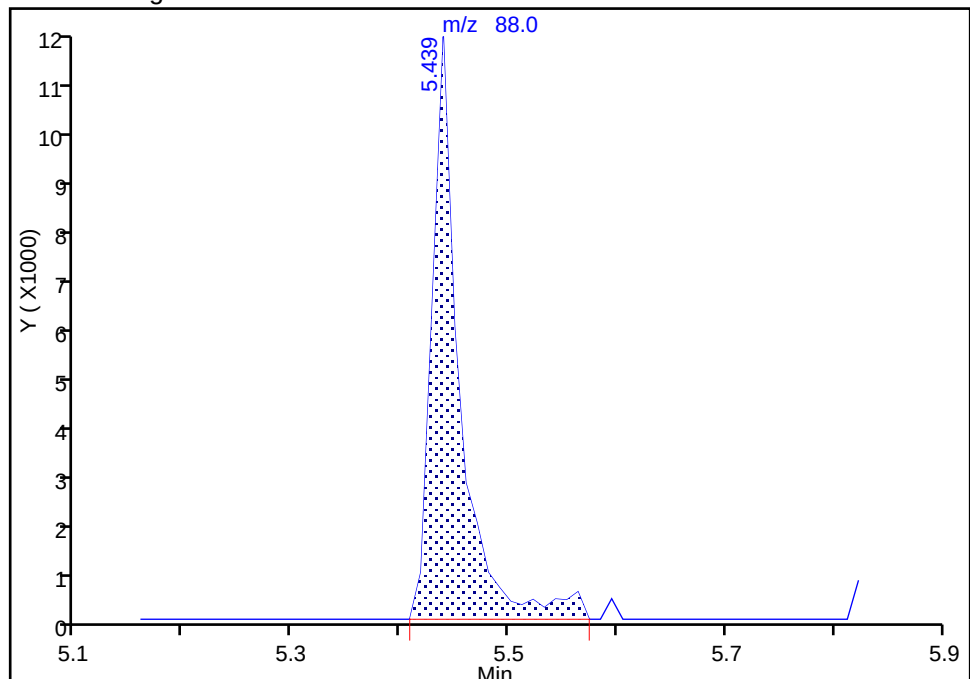
RT: 5.44
Area: 19260
Amount: 461.5298
Amount Units: ug/L

Processing Integration Results



RT: 5.44
Area: 20458
Amount: 522.0160
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 14:02:48

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3812.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 11-Jan-2018 17:32:30 ALS Bottle#: 14 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0068520-014
 Operator ID: RR Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Jan-2018 09:46:35 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: reiler

Date: 12-Jan-2018 14:00:07

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	4.869	0.000	98	140146	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	87	563520	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	96	304351	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.403	4.403	0.000	93	182511	25.0	25.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.652	4.652	0.000	0	228788	25.0	25.6	
\$ 6 Toluene-d8 (Surr)	98	6.041	6.040	0.000	94	643735	25.0	25.3	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.000	87	207752	25.0	25.3	
11 Dichlorodifluoromethane	85	1.242	1.232	0.010	99	483904	50.0	49.9	M
13 Chloromethane	50	1.408	1.398	0.010	99	617911	50.0	50.6	
14 Vinyl chloride	62	1.491	1.481	0.010	97	526665	50.0	49.6	
151 Butadiene	54	1.501	1.481	0.020	94	538338	50.0	51.7	
15 Bromomethane	94	1.792	1.771	0.021	93	303132	50.0	50.2	
16 Chloroethane	64	1.854	1.843	0.011	98	270601	50.0	46.3	
17 Trichlorofluoromethane	101	2.071	2.051	0.020	71	641437	50.0	49.9	
18 Dichlorofluoromethane	67	2.071	2.061	0.010	95	661362	50.0	48.0	
19 Ethyl ether	59	2.299	2.299	0.000	97	347934	50.0	48.1	
21 Acrolein	56	2.486	2.475	0.011	93	302891	250.0	236.6	M
22 1,1-Dichloroethene	96	2.517	2.507	0.010	94	313441	50.0	47.7	
20 1,1,2-Trichloro-1,2,2-trif	101	2.527	2.517	0.010	94	357111	50.0	52.7	M
23 Acetone	43	2.631	2.621	0.010	98	582839	250.0	226.2	
24 Iodomethane	142	2.662	2.662	0.000	98	651122	50.0	50.7	M
25 Carbon disulfide	76	2.693	2.693	0.000	99	1092307	50.0	51.3	
27 3-Chloro-1-propene	41	2.859	2.849	0.010	86	750940	50.0	48.2	
28 Methyl acetate	43	2.890	2.890	0.000	100	572427	100.0	95.4	
30 Methylene Chloride	84	2.994	2.983	0.011	96	370853	50.0	47.9	
31 2-Methyl-2-propanol	59	3.139	3.139	0.000	97	343366	500.0	500.0	
33 Methyl tert-butyl ether	73	3.170	3.170	0.000	98	1053229	50.0	50.4	
32 trans-1,2-Dichloroethene	96	3.191	3.180	0.011	94	366611	50.0	49.0	
34 Acrylonitrile	53	3.242	3.242	0.000	97	1427317	500.0	511.9	
35 Hexane	57	3.346	3.346	0.000	95	623414	50.0	47.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.553	3.553	0.000	97	713045	50.0	49.0	
39 Vinyl acetate	43	3.595	3.584	0.011	97	1874584	100.0	100.4	
42 2,2-Dichloropropane	77	3.999	3.988	0.011	91	589814	50.0	48.7	
43 cis-1,2-Dichloroethene	96	4.020	4.020	0.000	84	415251	50.0	47.7	
44 2-Butanone (MEK)	43	4.051	4.040	0.011	98	824201	250.0	241.6	
47 Chlorobromomethane	128	4.217	4.216	0.001	94	210791	50.0	47.9	
48 Tetrahydrofuran	42	4.227	4.227	0.000	91	219643	100.0	87.6	
50 Chloroform	83	4.279	4.279	0.000	96	657198	50.0	46.4	
51 1,1,1-Trichloroethane	97	4.372	4.372	0.000	97	613719	50.0	50.5	
52 Cyclohexane	56	4.372	4.372	0.000	96	782563	50.0	50.5	
54 1,1-Dichloropropene	75	4.486	4.486	0.000	89	480904	50.0	51.0	
53 Carbon tetrachloride	117	4.486	4.486	0.000	97	577361	50.0	50.6	
55 Benzene	78	4.662	4.652	0.010	96	1369946	50.0	50.5	
56 Isobutyl alcohol	43	4.673	4.662	0.011	93	351660	1250.0	1232.4	
57 1,2-Dichloroethane	62	4.714	4.714	0.000	97	615188	50.0	48.2	
59 n-Heptane	43	4.787	4.786	0.001	96	713461	50.0	45.6	
60 Trichloroethene	95	5.139	5.139	0.000	94	388527	50.0	49.0	
62 Methylcyclohexane	83	5.232	5.232	0.000	98	614991	50.0	48.6	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	89	409988	50.0	47.7	
66 1,4-Dioxane	88	5.439	5.439	0.000	35	42397	1000.0	1091.3	M
65 Dibromomethane	93	5.439	5.439	0.000	96	243502	50.0	48.2	
67 Dichlorobromomethane	83	5.553	5.553	0.000	95	519873	50.0	50.6	
69 2-Chloroethyl vinyl ether	63	5.761	5.761	0.000	94	261244	50.0	47.5	
71 cis-1,3-Dichloropropene	75	5.875	5.875	0.000	88	598919	50.0	51.3	
72 4-Methyl-2-pentanone (MIBK)	43	5.978	5.978	0.000	99	1928765	250.0	248.5	
73 Toluene	92	6.092	6.092	0.000	97	908557	50.0	49.1	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	97	562033	50.0	50.7	
77 Ethyl methacrylate	69	6.331	6.331	0.001	95	442383	50.0	51.2	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	94	258736	50.0	48.6	
79 Tetrachloroethene	166	6.496	6.496	0.000	94	411857	50.0	50.4	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	97	528015	50.0	49.2	
81 2-Hexanone	43	6.621	6.610	0.011	98	1348002	250.0	244.5	
82 Chlorodibromomethane	129	6.756	6.755	0.001	90	417741	50.0	51.1	
83 Ethylene Dibromide	107	6.838	6.838	0.000	97	347733	50.0	49.7	
86 Chlorobenzene	112	7.191	7.191	0.000	93	1048406	50.0	49.1	
88 Ethylbenzene	91	7.253	7.253	0.000	98	1767272	50.0	48.9	
89 1,1,1,2-Tetrachloroethane	131	7.263	7.263	0.000	94	407019	50.0	49.3	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	707108	50.0	48.5	
91 o-Xylene	106	7.668	7.667	0.001	97	707803	50.0	50.2	
92 Styrene	104	7.688	7.688	0.000	96	1230533	50.0	50.6	
93 Bromoform	173	7.885	7.885	0.000	95	248449	50.0	51.1	
95 Isopropylbenzene	105	7.947	7.947	0.000	97	1841939	50.0	50.1	
97 Bromobenzene	156	8.227	8.227	0.000	92	482161	50.0	50.7	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	96	386315	50.0	48.8	
99 N-Propylbenzene	91	8.279	8.279	0.000	99	2136390	50.0	50.4	
101 trans-1,4-Dichloro-2-buten	53	8.289	8.289	0.000	80	169987	50.0	49.1	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	91	130460	50.0	49.7	
105 2-Chlorotoluene	126	8.372	8.362	0.010	96	433091	50.0	50.2	
104 1,3,5-Trimethylbenzene	105	8.414	8.413	0.001	95	1602053	50.0	50.0	
102 4-Chlorotoluene	91	8.455	8.455	0.000	99	1346213	50.0	49.0	
106 tert-Butylbenzene	134	8.673	8.673	0.000	93	355853	50.0	50.2	
107 1,2,4-Trimethylbenzene	105	8.725	8.724	0.001	98	1652506	50.0	49.6	

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	8.849	8.849	0.000	95	2015132	50.0	51.0	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	1794437	50.0	51.0	
110 1,3-Dichlorobenzene	146	8.984	8.983	0.001	98	919351	50.0	49.9	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	94	942527	50.0	49.7	
115 n-Butylbenzene	91	9.305	9.305	0.000	98	1567512	50.0	49.6	
116 1,2-Dichlorobenzene	146	9.367	9.367	0.000	97	893599	50.0	50.5	
117 1,2-Dibromo-3-Chloropropan	75	10.041	10.040	0.001	82	80593	50.0	52.0	
119 1,2,4-Trichlorobenzene	180	10.694	10.693	0.001	95	634581	50.0	49.6	
120 Hexachlorobutadiene	225	10.787	10.787	0.000	96	312475	50.0	50.1	
121 Naphthalene	128	10.901	10.901	0.000	97	1547457	50.0	50.9	
122 1,2,3-Trichlorobenzene	180	11.098	11.098	0.000	96	609513	50.0	51.3	
S 125 Total BTEX	1				0			247.2	
S 126 Xylenes, Total	1				0			98.7	
S 123 1,3-Dichloropropene, Total	1				0			101.9	
S 124 1,2-Dichloroethene, Total	1				0			96.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00118

Amount Added: 25.00

Units: uL

GAS CORP mix_00259

Amount Added: 25.00

Units: uL

T_8260_IS_00184

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00165

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180111-68520.b\\T3812.D

Injection Date: 11-Jan-2018 17:32:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: IC 6

Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL

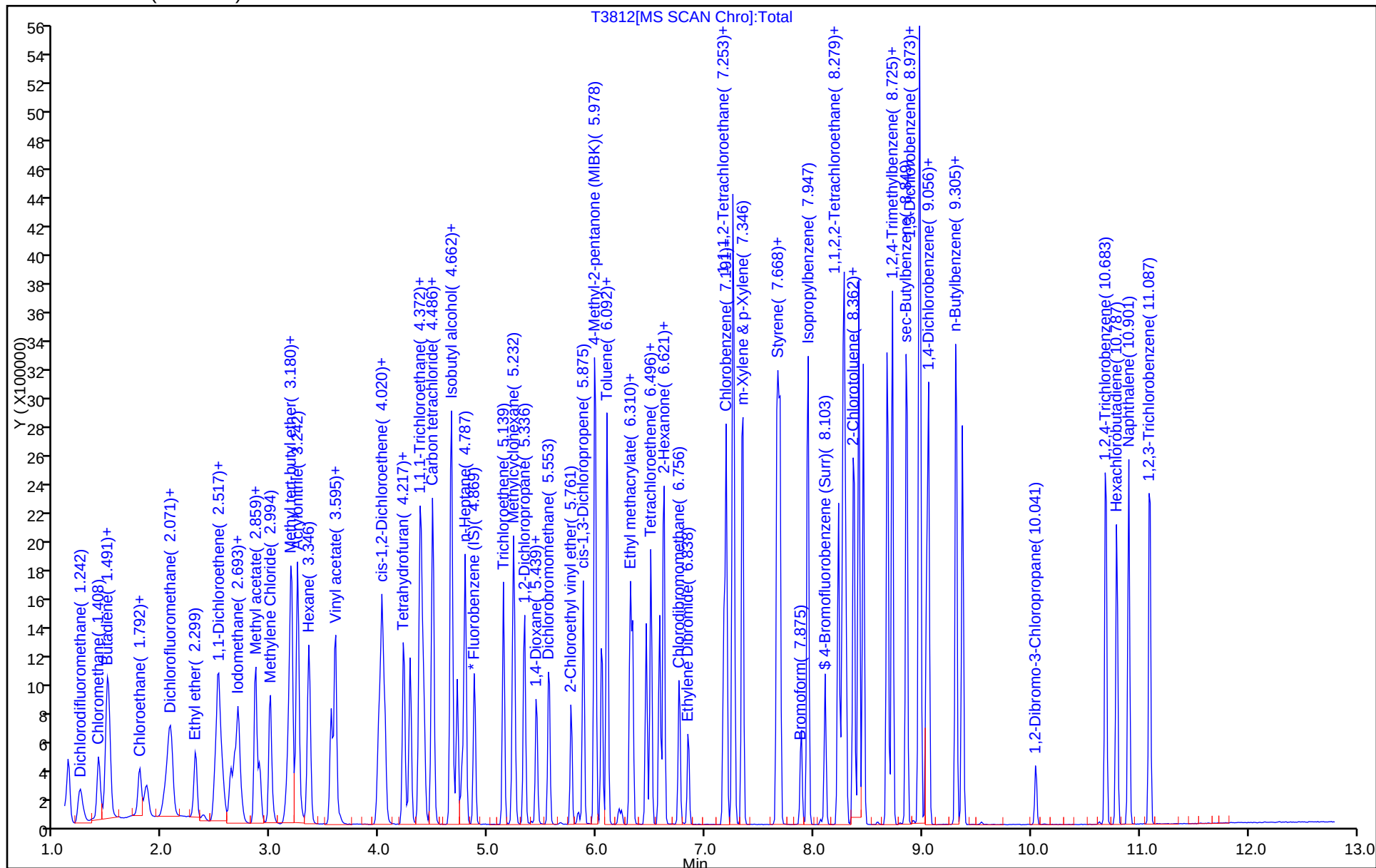
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3812.D

Injection Date: 11-Jan-2018 17:32:30

Instrument ID: HP5975T

Lims ID: IC 6

Client ID:

Operator ID: RR

ALS Bottle#:

14

Worklist Smp#: 14

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

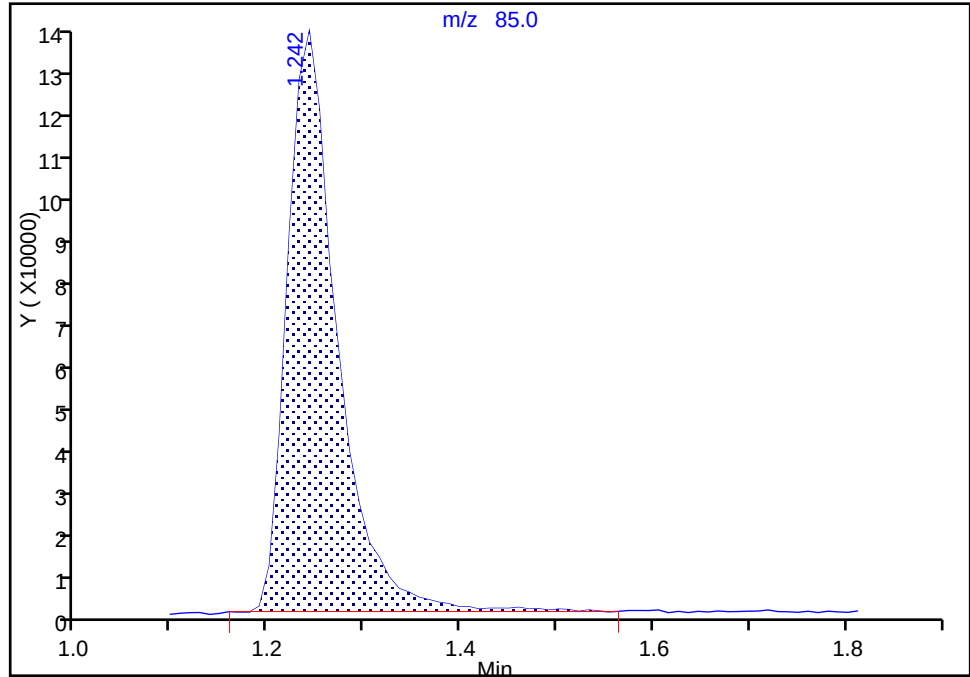
MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

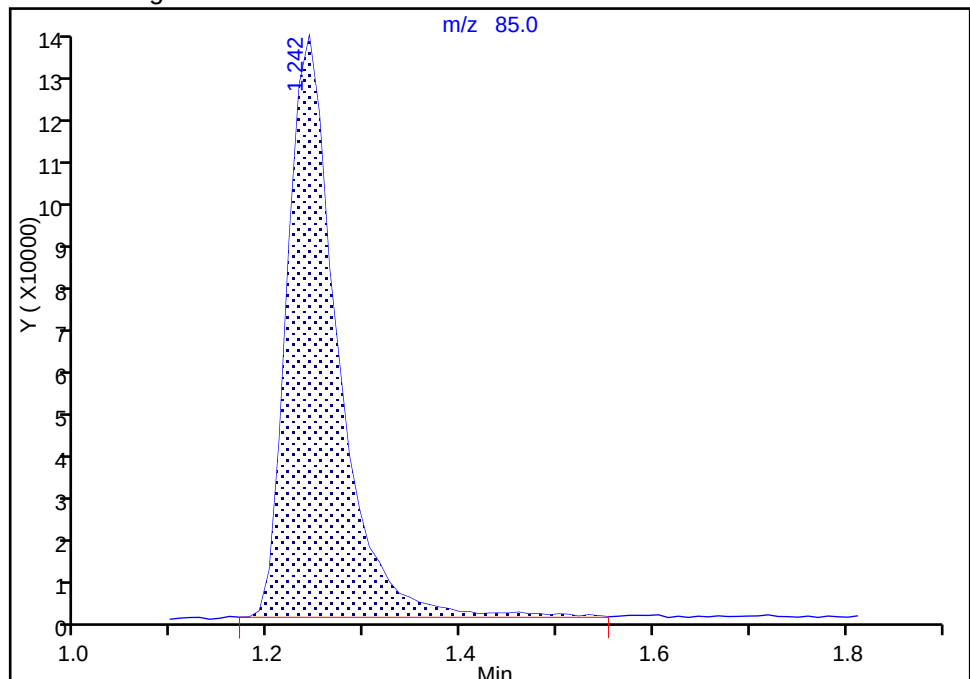
RT: 1.24
Area: 479192
Amount: 51.366221
Amount Units: ug/L

Processing Integration Results



RT: 1.24
Area: 483904
Amount: 49.883081
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:57:24

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3812.D

Injection Date: 11-Jan-2018 17:32:30

Instrument ID: HP5975T

Lims ID: IC 6

Client ID:

Operator ID: RR

ALS Bottle#: 14

Worklist Smp#: 14

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

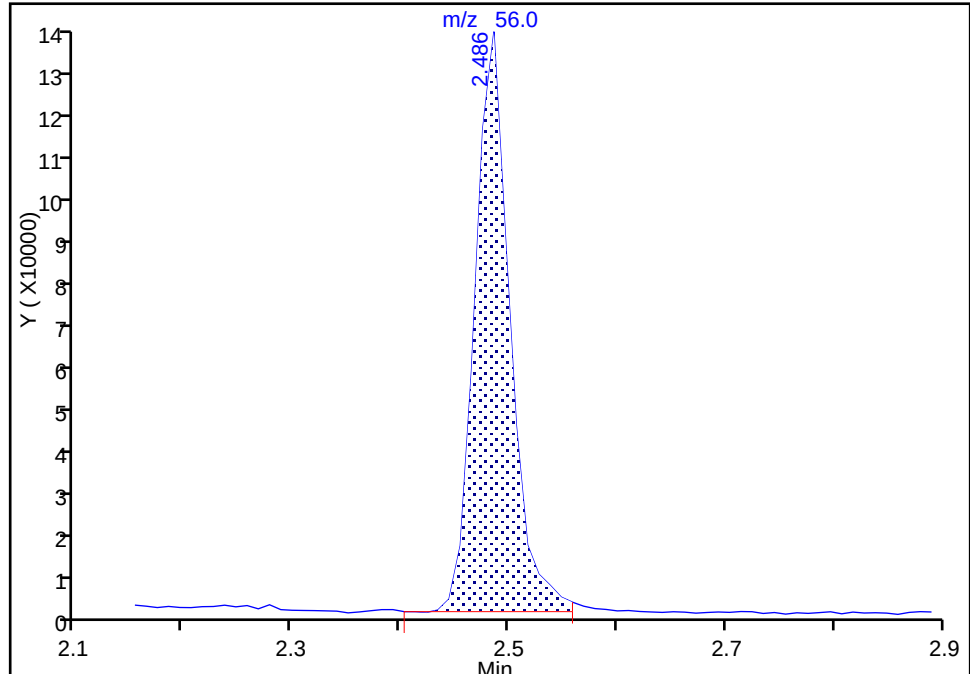
Detector: MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

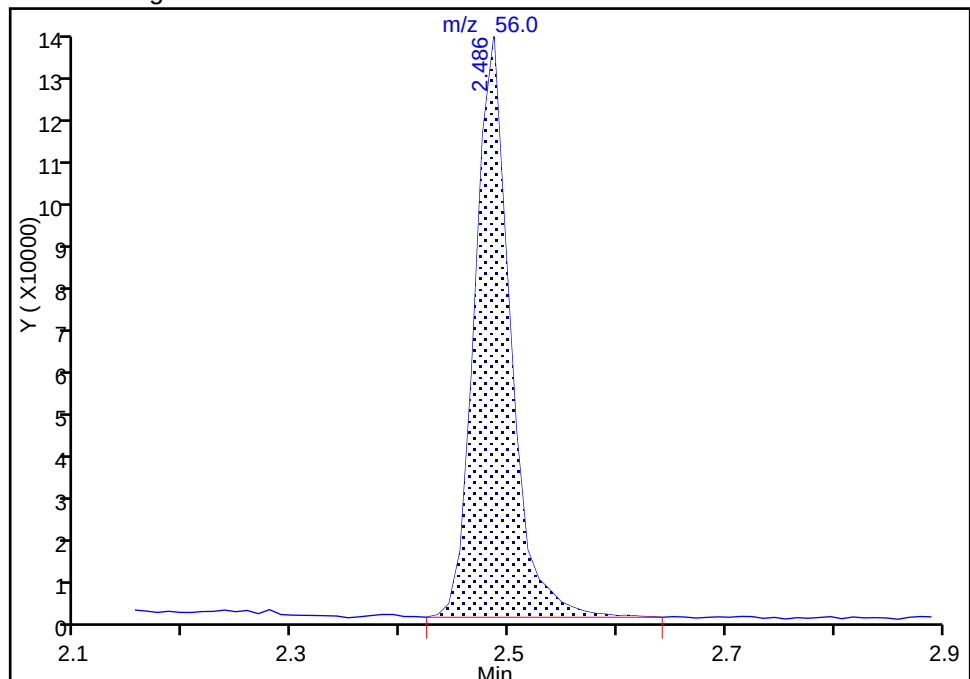
RT: 2.49
Area: 298947
Amount: 208.5314
Amount Units: ug/L

Processing Integration Results



RT: 2.49
Area: 302891
Amount: 236.5587
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:57:53

Audit Action: Assigned Compound ID

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3812.D

Injection Date: 11-Jan-2018 17:32:30

Instrument ID: HP5975T

Lims ID: IC 6

Client ID:

Operator ID: RR

ALS Bottle#: 14

Worklist Smp#: 14

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

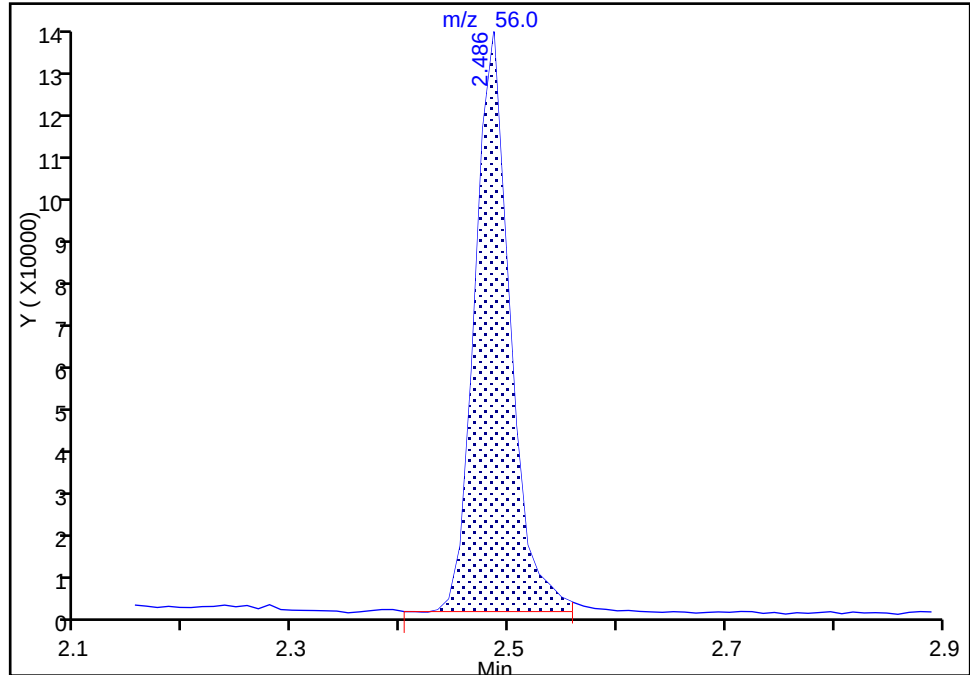
Detector: MS SCAN

21 Acrolein, CAS: 107-02-8

Signal: 1

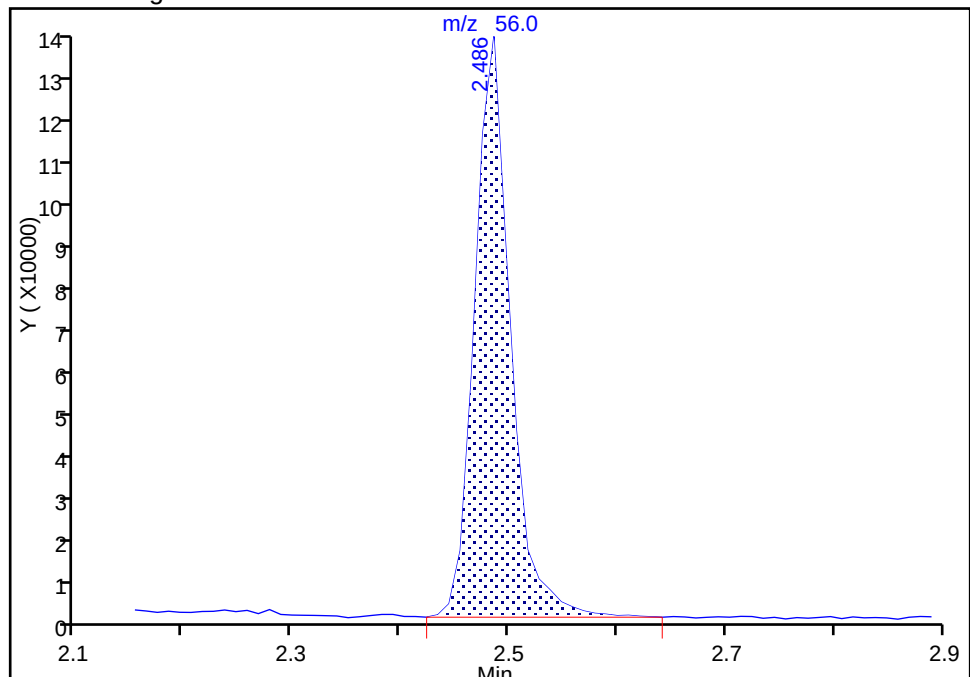
RT: 2.49
Area: 298947
Amount: 208.5314
Amount Units: ug/L

Processing Integration Results



RT: 2.49
Area: 302891
Amount: 236.5587
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:58:58

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3812.D

Injection Date: 11-Jan-2018 17:32:30

Instrument ID: HP5975T

Lims ID: IC 6

Client ID:

Operator ID: RR

ALS Bottle#: 14

Worklist Smp#: 14

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

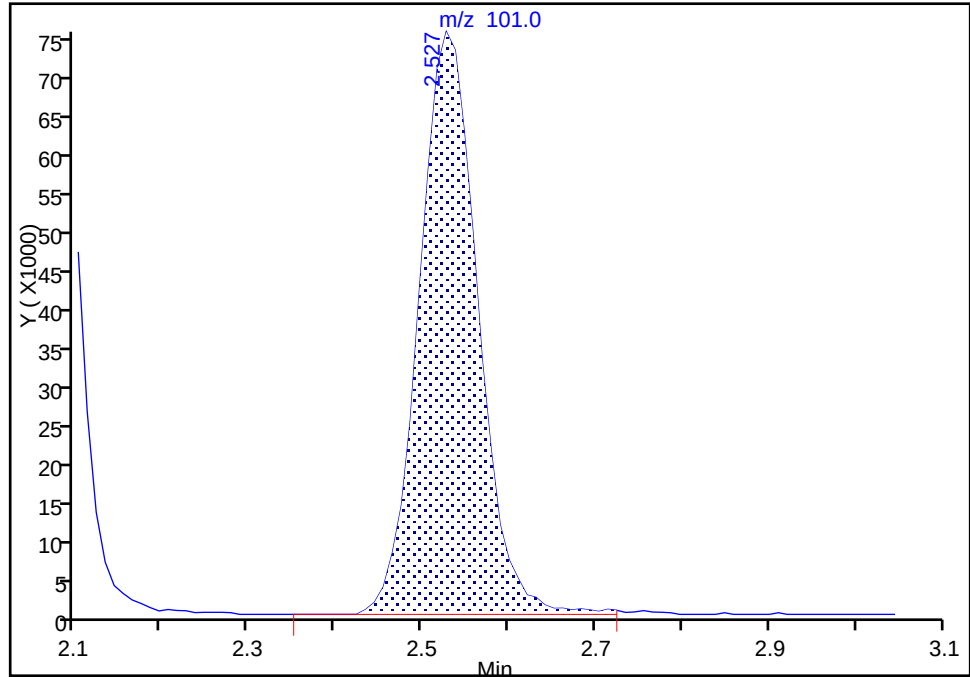
Detector: MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

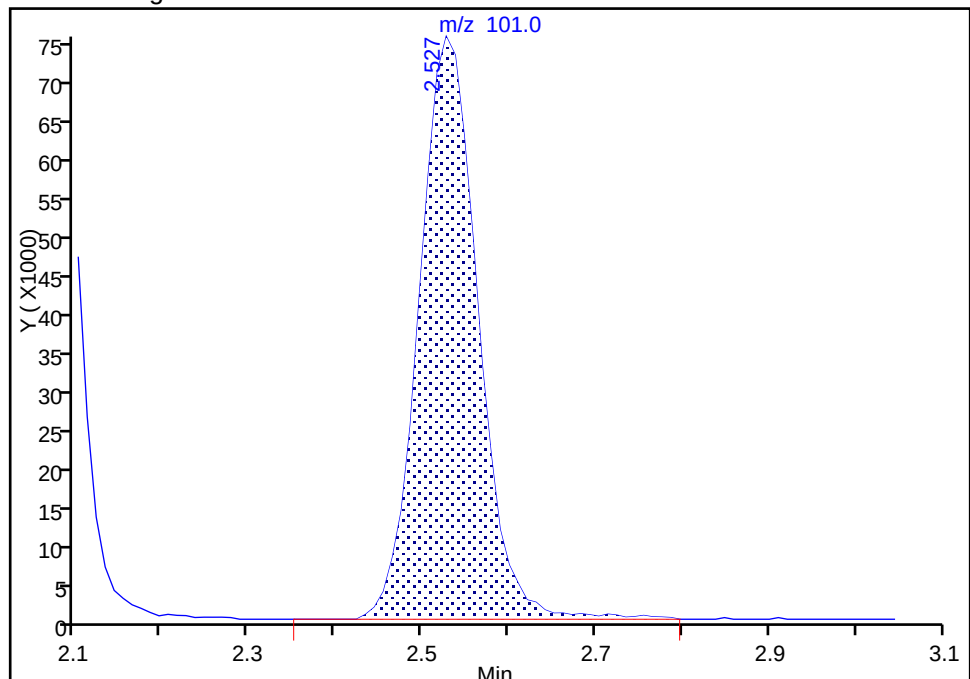
RT: 2.53
Area: 355955
Amount: 52.561742
Amount Units: ug/L

Processing Integration Results



RT: 2.53
Area: 357111
Amount: 52.709948
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:59:14

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3812.D

Injection Date: 11-Jan-2018 17:32:30

Instrument ID: HP5975T

Lims ID: IC 6

Client ID:

Operator ID: RR

ALS Bottle#: 14

Worklist Smp#: 14

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

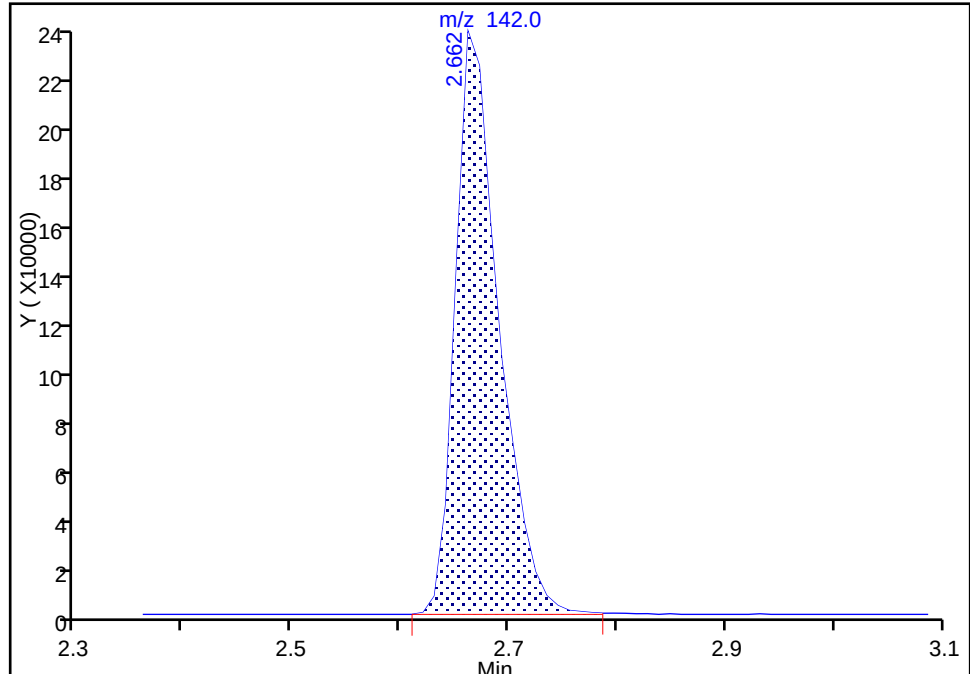
Detector: MS SCAN

24 Iodomethane, CAS: 74-88-4

Signal: 1

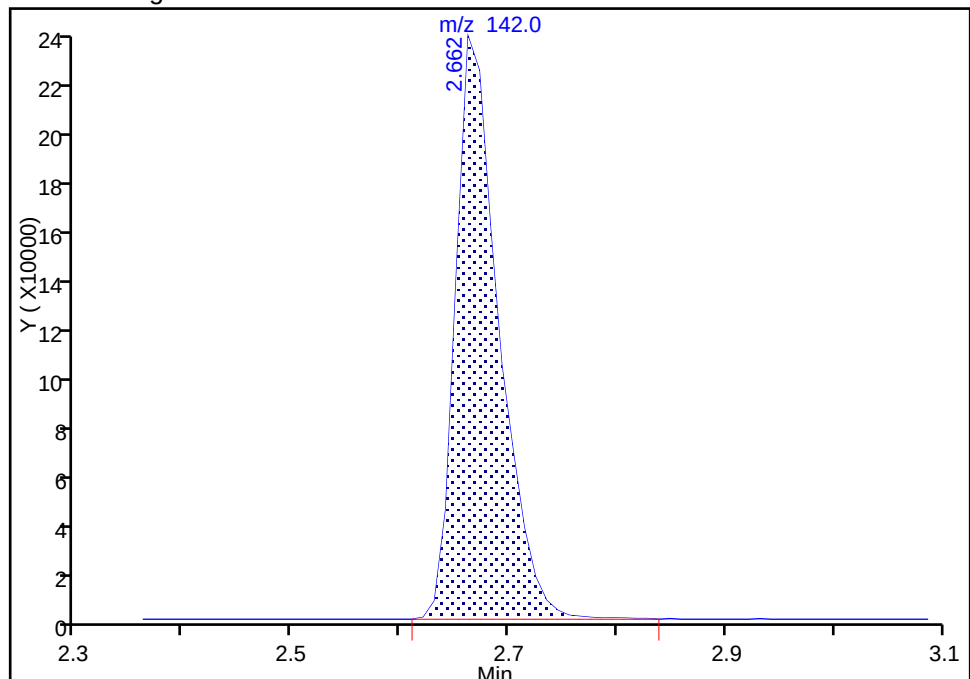
RT: 2.66
Area: 650179
Amount: 50.597612
Amount Units: ug/L

Processing Integration Results



RT: 2.66
Area: 651122
Amount: 50.661703
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:59:25

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3812.D

Injection Date: 11-Jan-2018 17:32:30

Instrument ID: HP5975T

Lims ID: IC 6

Client ID:

Operator ID: RR

ALS Bottle#: 14

Worklist Smp#: 14

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

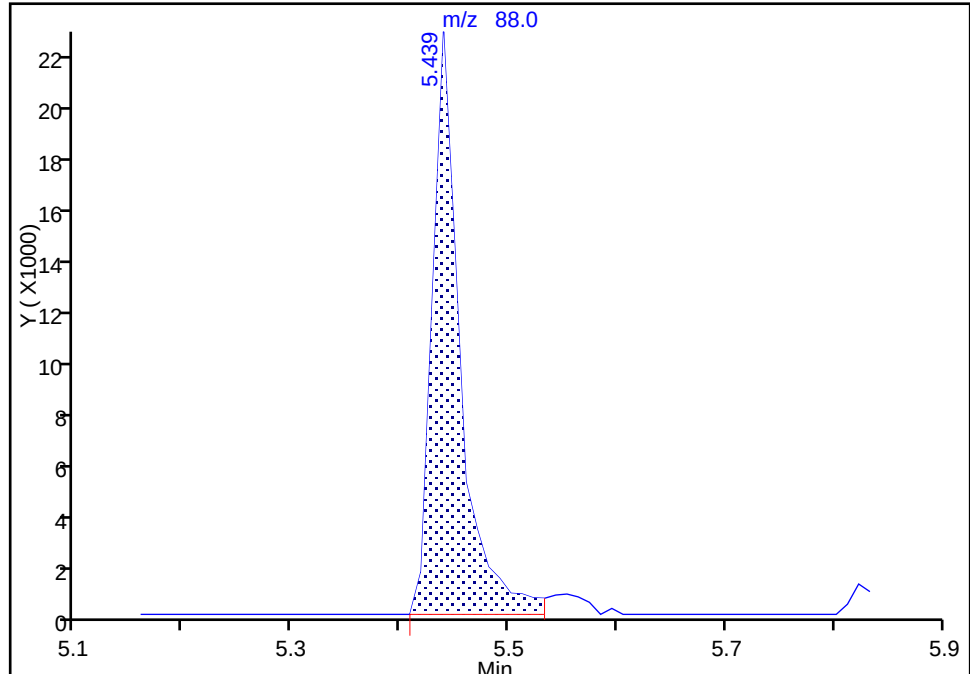
Detector: MS SCAN

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

Signal: 1

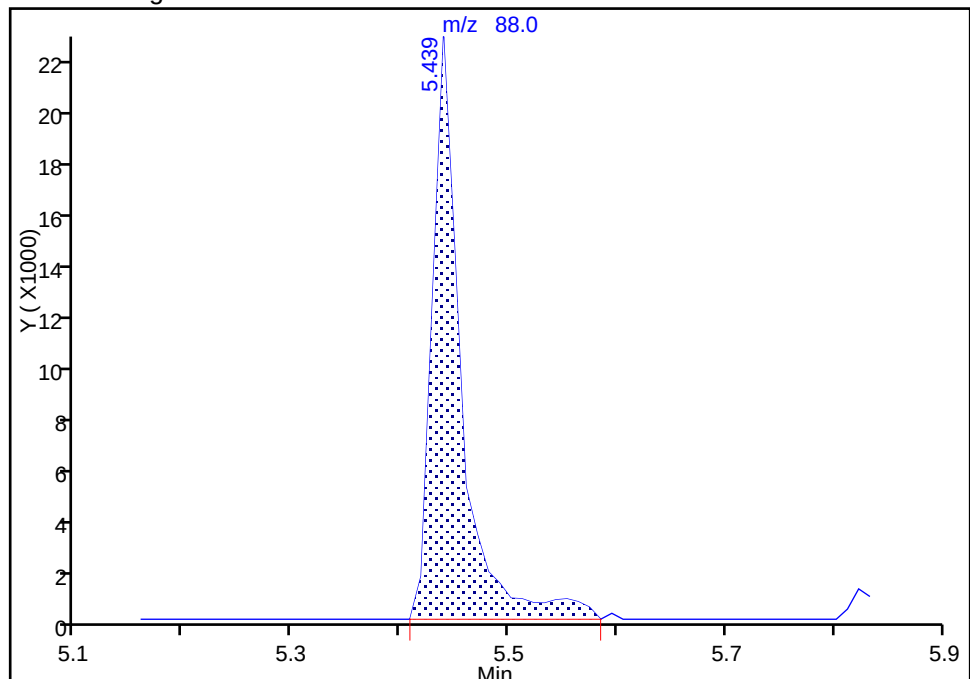
RT: 5.44
Area: 40722
Amount: 1074.9575
Amount Units: ug/L

Processing Integration Results



RT: 5.44
Area: 42397
Amount: 1091.2690
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 13:59:42

Audit Action: Split an Integrated Peak

Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3813.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 11-Jan-2018 17:55:30 ALS Bottle#: 15 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0068520-015
 Operator ID: RR Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Jan-2018 09:46:38 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: reiler

Date: 12-Jan-2018 14:01:44

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	4.869	0.000	98	138518	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	87	571832	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	96	308258	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.403	0.010	91	185109	25.0	26.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.652	0.010	0	224870	25.0	25.5	
\$ 6 Toluene-d8 (Surr)	98	6.051	6.040	0.011	94	649998	25.0	25.2	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	-0.001	87	207052	25.0	24.9	
11 Dichlorodifluoromethane	85	1.242	1.232	0.010	99	1022809	100.0	106.7	
13 Chloromethane	50	1.408	1.398	0.010	99	1290468	100.0	106.8	
151 Butadiene	54	1.501	1.481	0.020	94	1134274	100.0	110.2	
14 Vinyl chloride	62	1.491	1.481	0.010	97	1103366	100.0	105.2	
15 Bromomethane	94	1.791	1.771	0.020	92	637282	100.0	106.9	
16 Chloroethane	64	1.854	1.843	0.011	98	586348	100.0	101.6	
17 Trichlorofluoromethane	101	2.071	2.051	0.020	73	1373011	100.0	108.0	
18 Dichlorofluoromethane	67	2.071	2.061	0.010	95	1371173	100.0	100.6	
19 Ethyl ether	59	2.310	2.299	0.011	97	720053	100.0	100.6	
21 Acrolein	56	2.486	2.475	0.011	99	662415	500.0	523.4	
22 1,1-Dichloroethene	96	2.517	2.507	0.010	94	702436	100.0	108.1	
20 1,1,2-Trichloro-1,2,2-trif	101	2.527	2.517	0.010	94	805625	100.0	120.3	
23 Acetone	43	2.631	2.621	0.010	98	1272063	500.0	499.4	M
24 Iodomethane	142	2.662	2.662	0.000	98	1400444	100.0	110.2	
25 Carbon disulfide	76	2.693	2.693	0.000	99	2386951	100.0	113.5	
27 3-Chloro-1-propene	41	2.859	2.849	0.010	86	1617401	100.0	105.0	
28 Methyl acetate	43	2.890	2.890	0.000	99	1233603	200.0	207.9	
30 Methylene Chloride	84	2.994	2.983	0.011	96	782745	100.0	103.4	
31 2-Methyl-2-propanol	59	3.149	3.139	0.010	98	747107	1000.0	1100.8	
33 Methyl tert-butyl ether	73	3.170	3.170	0.000	99	2238717	100.0	108.4	
32 trans-1,2-Dichloroethene	96	3.190	3.180	0.010	94	789276	100.0	106.6	
34 Acrylonitrile	53	3.242	3.242	0.000	98	3049945	1000.0	1106.6	
35 Hexane	57	3.346	3.346	0.000	94	1413846	100.0	108.4	

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	3.553	3.553	0.000	97	1558917	100.0	108.4	
39 Vinyl acetate	43	3.595	3.584	0.011	97	3988010	200.0	216.2	
42 2,2-Dichloropropane	77	3.999	3.988	0.011	91	1266171	100.0	105.8	
43 cis-1,2-Dichloroethene	96	4.019	4.020	-0.001	85	895875	100.0	104.2	
44 2-Butanone (MEK)	43	4.051	4.040	0.011	98	1807217	500.0	536.1	
47 Chlorobromomethane	128	4.216	4.216	0.000	95	454294	100.0	104.5	
48 Tetrahydrofuran	42	4.227	4.227	0.000	91	474607	200.0	191.6	
50 Chloroform	83	4.279	4.279	0.000	96	1406034	100.0	100.4	
52 Cyclohexane	56	4.382	4.372	0.010	97	1756353	100.0	114.6	
51 1,1,1-Trichloroethane	97	4.372	4.372	0.000	98	1348217	100.0	112.3	
53 Carbon tetrachloride	117	4.486	4.486	0.000	97	1296665	100.0	115.1	
54 1,1-Dichloropropene	75	4.486	4.486	0.000	90	1081671	100.0	116.1	
55 Benzene	78	4.662	4.652	0.010	97	2952819	100.0	110.1	
56 Isobutyl alcohol	43	4.672	4.662	0.010	93	749129	2500.0	2656.2	
57 1,2-Dichloroethane	62	4.714	4.714	0.000	97	1308658	100.0	103.7	
59 n-Heptane	43	4.786	4.786	0.000	96	1618261	100.0	104.7	
60 Trichloroethene	95	5.139	5.139	0.000	95	848111	100.0	108.3	
62 Methylcyclohexane	83	5.232	5.232	0.000	99	1408665	100.0	112.6	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	90	875864	100.0	103.1	
65 Dibromomethane	93	5.439	5.439	0.000	96	522247	100.0	104.5	
66 1,4-Dioxane	88	5.439	5.439	0.000	98	87102	2000.0	2209.4	M
67 Dichlorobromomethane	83	5.553	5.553	0.000	96	1129710	100.0	111.3	
69 2-Chloroethyl vinyl ether	63	5.760	5.761	-0.001	94	561452	100.0	103.4	
71 cis-1,3-Dichloropropene	75	5.874	5.875	-0.001	89	1289553	100.0	111.7	
72 4-Methyl-2-pentanone (MIBK)	43	5.978	5.978	0.000	99	4119497	500.0	523.0	
73 Toluene	92	6.092	6.092	0.000	98	1981466	100.0	105.6	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	98	1202226	100.0	106.8	
77 Ethyl methacrylate	69	6.330	6.331	0.000	94	940584	100.0	107.2	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	94	548626	100.0	101.6	
79 Tetrachloroethene	166	6.496	6.496	0.000	94	910804	100.0	109.7	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	97	1136561	100.0	104.3	
81 2-Hexanone	43	6.621	6.610	0.011	98	2864388	500.0	511.9	
82 Chlorodibromomethane	129	6.755	6.755	0.000	90	896424	100.0	108.1	
83 Ethylene Dibromide	107	6.838	6.838	0.000	98	742068	100.0	104.4	
86 Chlorobenzene	112	7.191	7.191	0.000	93	2243961	100.0	103.6	
88 Ethylbenzene	91	7.253	7.253	0.000	98	3811483	100.0	103.9	
89 1,1,1,2-Tetrachloroethane	131	7.263	7.263	0.000	94	876582	100.0	104.5	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	1522672	100.0	102.9	
91 o-Xylene	106	7.667	7.667	0.000	97	1512985	100.0	105.7	
92 Styrene	104	7.688	7.688	0.000	96	2606326	100.0	105.6	
93 Bromoform	173	7.885	7.885	0.000	95	558652	100.0	113.3	
95 Isopropylbenzene	105	7.947	7.947	0.000	96	3987992	100.0	107.1	
97 Bromobenzene	156	8.227	8.227	0.000	93	1022782	100.0	106.1	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	96	823016	100.0	102.7	
99 N-Propylbenzene	91	8.279	8.279	0.000	98	4538617	100.0	105.6	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	91	275391	100.0	103.6	
101 trans-1,4-Dichloro-2-buten	53	8.299	8.289	0.010	78	367967	100.0	104.9	
105 2-Chlorotoluene	126	8.372	8.362	0.010	96	930061	100.0	106.5	
104 1,3,5-Trimethylbenzene	105	8.413	8.413	0.000	95	3407426	100.0	105.0	
102 4-Chlorotoluene	91	8.455	8.455	0.000	98	2847702	100.0	102.3	
106 tert-Butylbenzene	134	8.683	8.673	0.010	94	768753	100.0	107.0	
107 1,2,4-Trimethylbenzene	105	8.724	8.724	0.000	98	3517602	100.0	104.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.859	8.849	0.010	95	4335464	100.0	108.4	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	3822372	100.0	107.2	
110 1,3-Dichlorobenzene	146	8.983	8.983	0.000	98	1973513	100.0	105.7	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	98	2012771	100.0	104.9	
115 n-Butylbenzene	91	9.305	9.305	0.000	98	3391325	100.0	106.0	
116 1,2-Dichlorobenzene	146	9.367	9.367	0.000	97	1894746	100.0	105.8	
117 1,2-Dibromo-3-Chloropropan	75	10.040	10.040	0.000	83	168829	100.0	107.6	
119 1,2,4-Trichlorobenzene	180	10.693	10.693	0.000	95	1387647	100.0	107.1	
120 Hexachlorobutadiene	225	10.787	10.787	0.000	96	697558	100.0	110.5	
121 Naphthalene	128	10.901	10.901	0.000	97	3311506	100.0	107.5	
122 1,2,3-Trichlorobenzene	180	11.097	11.098	-0.001	95	1270313	100.0	105.7	
S 123 1,3-Dichloropropene, Total	1				0			218.5	
S 124 1,2-Dichloroethene, Total	1				0			210.9	
S 125 Total BTEX	1				0			528.2	
S 126 Xylenes, Total	1				0			208.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00118

Amount Added: 50.00

Units: uL

GAS CORP mix_00259

Amount Added: 50.00

Units: uL

T_8260_IS_00184

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00165

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3813.D

Injection Date: 11-Jan-2018 17:55:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: IC 7

Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL

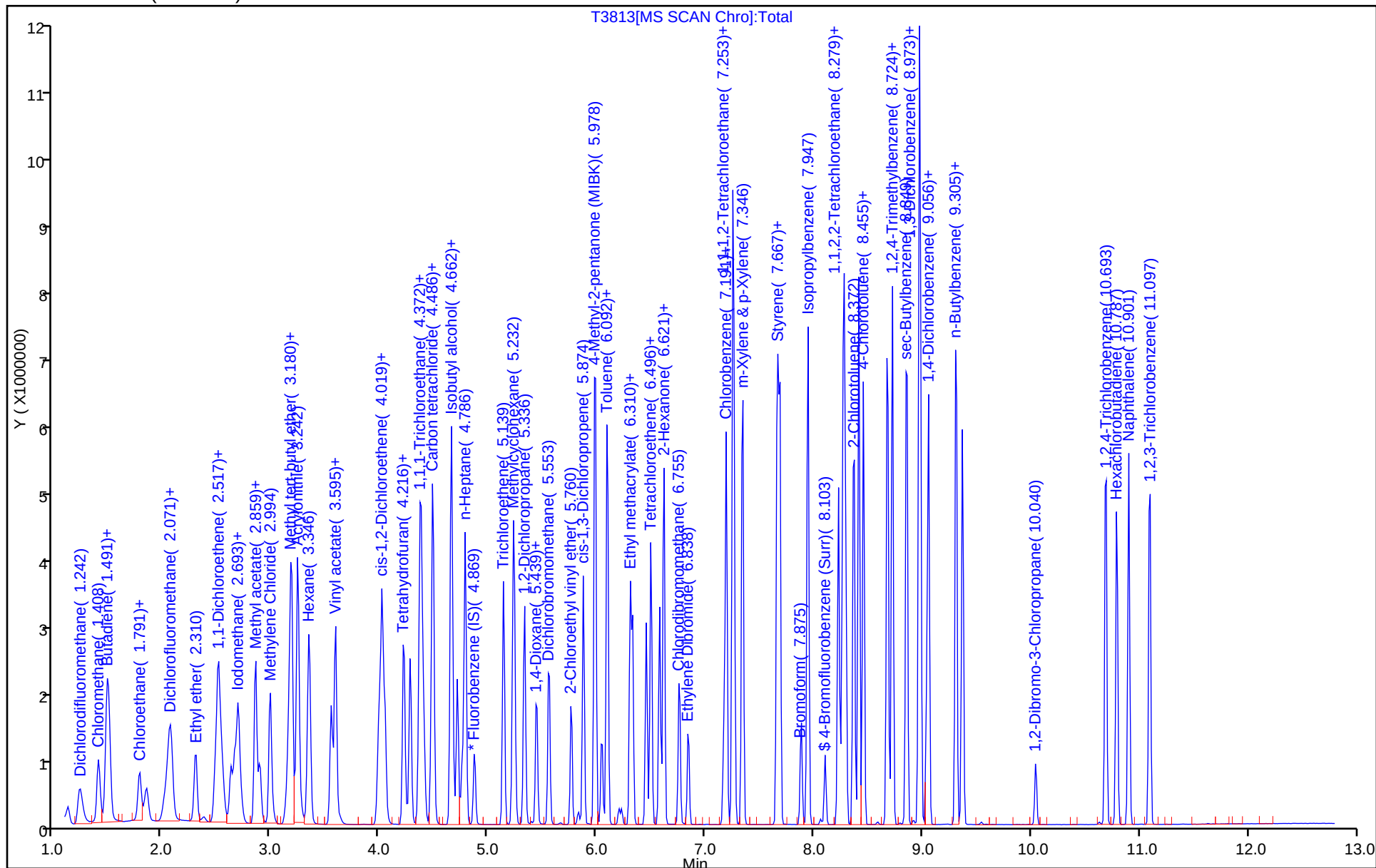
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3813.D

Injection Date: 11-Jan-2018 17:55:30

Instrument ID: HP5975T

Lims ID: IC 7

Client ID:

Operator ID: RR

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

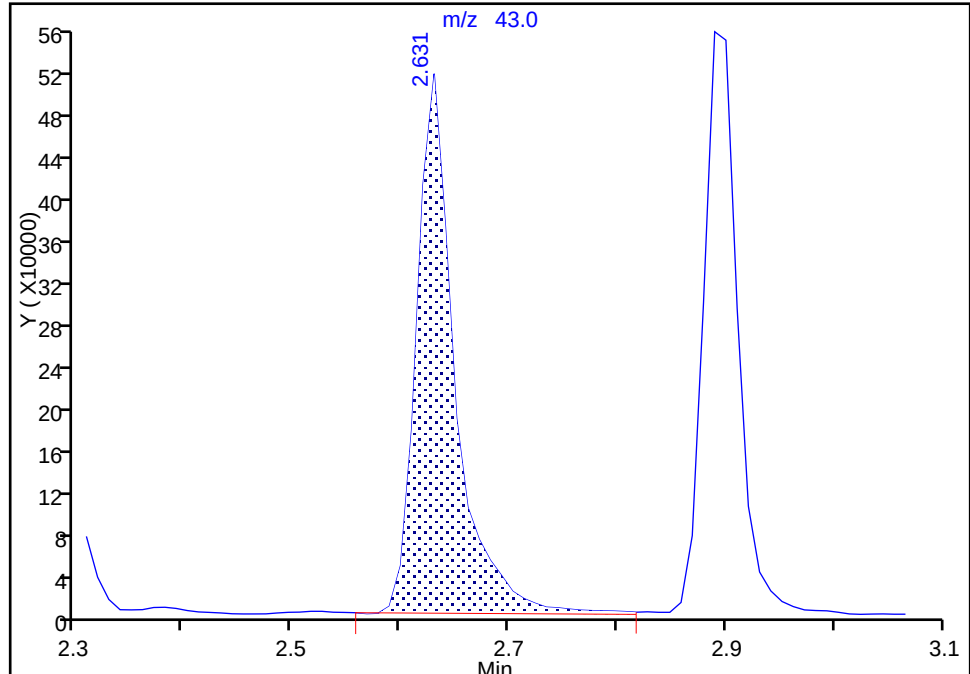
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

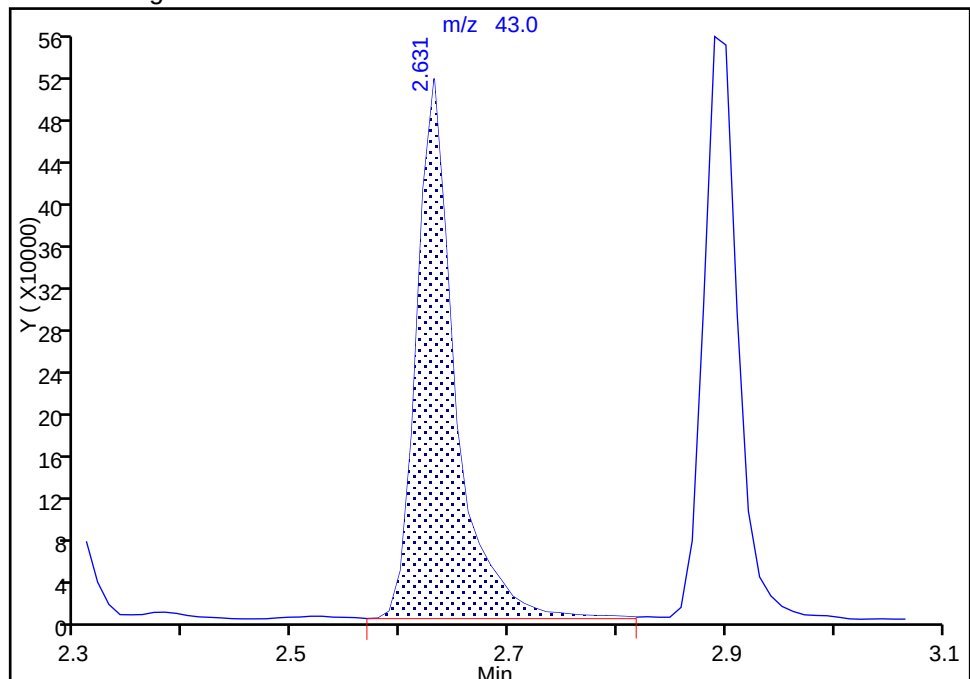
RT: 2.63
Area: 1269686
Amount: 472.3427
Amount Units: ug/L

Processing Integration Results



RT: 2.63
Area: 1272063
Amount: 499.4274
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 14:01:08

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3813.D

Injection Date: 11-Jan-2018 17:55:30

Instrument ID: HP5975T

Lims ID: IC 7

Client ID:

Operator ID: RR

ALS Bottle#: 15 Worklist Smp#: 15

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

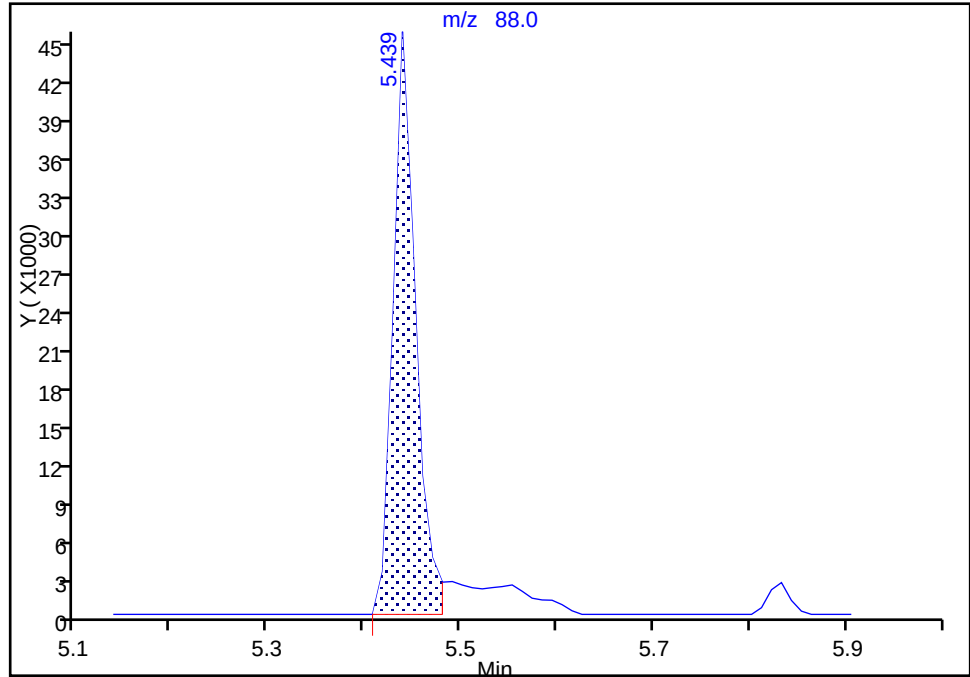
Detector: MS SCAN

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

Signal: 1

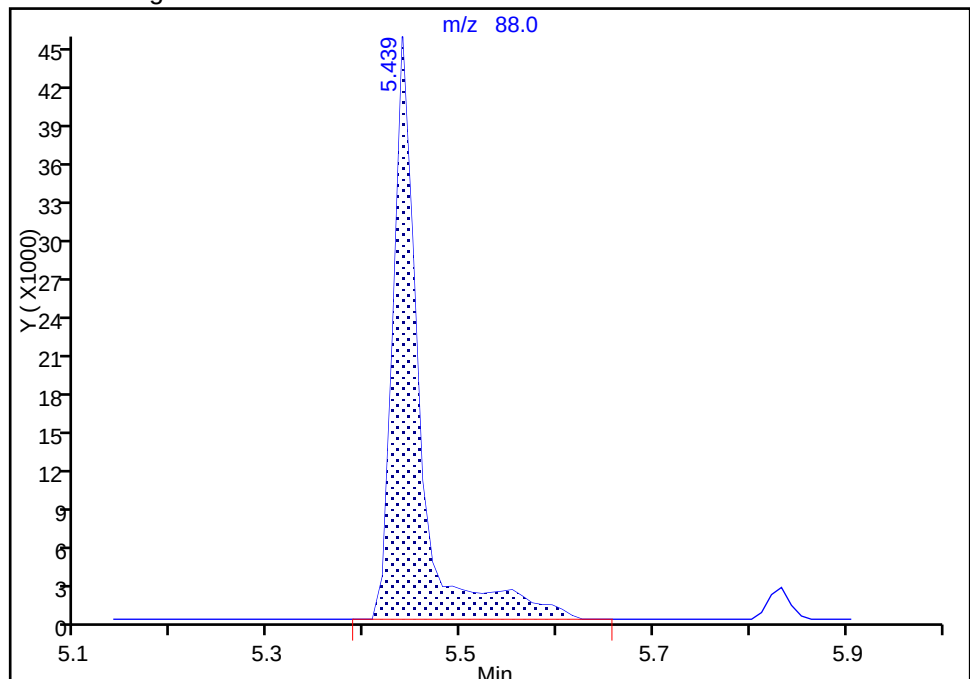
RT: 5.44
Area: 73560
Amount: 1885.7164
Amount Units: ug/L

Processing Integration Results



RT: 5.44
Area: 87102
Amount: 2209.3560
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 12-Jan-2018 14:01:38

Audit Action: Manually Integrated

Audit Reason: Peak Tail

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Lab Sample ID: CCVIS 480-395910/3 Calibration Date: 01/16/2018 09:17

Instrument ID: HP5973C Calib Start Date: 01/11/2018 14:41

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 01/11/2018 17:38

Lab File ID: C1712.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.484	3.220	0.1000	32.4	25.0	29.6	50.0
Chloromethane	Ave	2.371	2.776	0.1000	29.3	25.0	17.1	20.0
Vinyl chloride	Ave	2.516	2.832	0.1000	28.1	25.0	12.5	20.0
Butadiene	Ave	2.176	2.582		29.7	25.0	18.6	20.0
Bromomethane	Ave	2.022	2.177	0.1000	26.9	25.0	7.7	50.0
Chloroethane	Ave	1.539	1.710	0.1000	27.8	25.0	11.1	50.0
Dichlorofluoromethane	Ave	4.063	4.402		27.1	25.0	8.4	20.0
Trichlorofluoromethane	Ave	3.965	4.592	0.1000	28.9	25.0	15.8	20.0
Ethyl ether	Ave	1.479	1.588		26.8	25.0	7.4	20.0
Acrolein	Ave	0.2593	0.2642		127	125	1.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.939	2.234	0.1000	28.8	25.0	15.2	20.0
1,1-Dichloroethene	Ave	1.934	2.016	0.1000	26.1	25.0	4.2	20.0
Acetone	Ave	0.6267	0.7130	0.1000	142	125	13.8	50.0
Iodomethane	Ave	3.793	4.051		26.7	25.0	6.8	20.0
Carbon disulfide	Ave	7.292	7.869	0.1000	27.0	25.0	7.9	20.0
Methyl acetate	Ave	1.256	1.346	0.1000	53.6	50.0	7.2	50.0
Allyl chloride	Ave	2.945	3.151		26.7	25.0	7.0	20.0
Methylene Chloride	Ave	2.373	2.256	0.1000	23.8	25.0	-4.9	20.0
2-Methyl-2-propanol	Ave	0.2084	0.2391		287	250	14.7	50.0
Methyl tert-butyl ether	Ave	6.204	6.337	0.1000	25.5	25.0	2.1	20.0
Acrylonitrile	Ave	0.6163	0.6561		266	250	6.5	20.0
trans-1,2-Dichloroethene	Ave	2.196	2.255	0.1000	25.7	25.0	2.7	20.0
Hexane	Ave	2.281	2.595		28.4	25.0	13.8	20.0
Vinyl acetate	Ave	3.656	4.086		55.9	50.0	11.8	20.0
1,1-Dichloroethane	Ave	3.496	3.669	0.2000	26.2	25.0	5.0	20.0
2-Butanone (MEK)	Ave	0.8425	0.9187	0.1000	136	125	9.0	20.0
cis-1,2-Dichloroethene	Ave	2.465	2.549	0.1000	25.8	25.0	3.4	20.0
2,2-Dichloropropane	Ave	3.331	3.725		28.0	25.0	11.8	20.0
Chlorobromomethane	Ave	1.249	1.323		26.5	25.0	5.9	20.0
Chloroform	Ave	3.891	3.989	0.2000	25.6	25.0	2.5	20.0
Tetrahydrofuran	Ave	0.5353	0.5791		54.1	50.0	8.2	20.0
1,1,1-Trichloroethane	Ave	3.403	3.797	0.1000	27.9	25.0	11.6	20.0
Cyclohexane	Ave	3.109	3.554	0.1000	28.6	25.0	14.3	20.0
Isobutyl alcohol	Ave	0.0902	0.1059		734	625	17.4	50.0
1,1-Dichloropropene	Ave	2.773	3.044		27.4	25.0	9.8	20.0
Carbon tetrachloride	Ave	3.090	3.488	0.1000	28.2	25.0	12.9	20.0
1,2-Dichloroethane	Ave	3.102	3.189	0.1000	25.7	25.0	2.8	20.0
Benzene	Ave	8.095	8.543	0.5000	26.4	25.0	5.5	20.0
n-Heptane	Ave	2.062	2.341		28.4	25.0	13.5	20.0
Trichloroethene	Ave	2.248	2.429	0.2000	27.0	25.0	8.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Lab Sample ID: CCVIS 480-395910/3 Calibration Date: 01/16/2018 09:17

Instrument ID: HP5973C Calib Start Date: 01/11/2018 14:41

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 01/11/2018 17:38

Lab File ID: C1712.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	3.009	3.530	0.1000	29.3	25.0	17.3	20.0
1,2-Dichloropropane	Ave	1.955	2.081	0.1000	26.6	25.0	6.5	20.0
1,4-Dioxane	Ave	0.0078	0.0112		716	500	43.2	50.0
Dibromomethane	Ave	1.402	1.492	0.1000	26.6	25.0	6.4	20.0
Bromodichloromethane	Ave	2.994	3.115	0.2000	26.0	25.0	4.0	20.0
2-Chloroethyl vinyl ether	Ave	1.158	1.275		27.5	25.0	10.1	20.0
cis-1,3-Dichloropropene	Ave	3.343	3.573	0.2000	26.7	25.0	6.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7775	0.8370	0.1000	135	125	7.7	20.0
Toluene	Ave	2.396	2.493	0.4000	26.0	25.0	4.0	20.0
Ethyl methacrylate	Ave	1.014	1.118		27.5	25.0	10.2	20.0
trans-1,3-Dichloropropene	Ave	1.458	1.526	0.1000	26.2	25.0	4.7	20.0
1,1,2-Trichloroethane	Ave	0.6836	0.7173	0.1000	26.2	25.0	4.9	20.0
2-Hexanone	Ave	0.5700	0.6178	0.1000	135	125	8.4	20.0
Tetrachloroethene	Ave	1.122	1.212	0.2000	27.0	25.0	8.0	20.0
1,3-Dichloropropane	Ave	1.414	1.472		26.0	25.0	4.0	20.0
Dibromochloromethane	Ave	1.093	1.137	0.1000	26.0	25.0	4.0	20.0
1,2-Dibromoethane	Ave	0.8829	0.9329		26.4	25.0	5.7	20.0
Chlorobenzene	Ave	2.876	2.956	0.5000	25.7	25.0	2.8	20.0
Ethylbenzene	Ave	4.447	4.783	0.1000	26.9	25.0	7.6	20.0
1,1,1,2-Tetrachloroethane	Ave	1.089	1.124		25.8	25.0	3.2	20.0
m,p-Xylene	Ave	1.797	1.892	0.1000	26.3	25.0	5.3	20.0
o-Xylene	Ave	1.763	1.872	0.3000	26.5	25.0	6.2	20.0
Styrene	Ave	2.873	3.070	0.3000	26.7	25.0	6.9	20.0
Isopropylbenzene	Ave	4.260	4.492	0.1000	26.4	25.0	5.5	20.0
Bromoform	Ave	0.6897	0.7476	0.1000	27.1	25.0	8.4	50.0
1,1,2,2-Tetrachloroethane	Ave	1.003	1.027	0.3000	25.6	25.0	2.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2931	0.3300		28.1	25.0	12.6	50.0
1,2,3-Trichloropropane	Ave	0.3339	0.3610		27.0	25.0	8.1	20.0
N-Propylbenzene	Ave	4.854	5.135		26.4	25.0	5.8	20.0
Bromobenzene	Ave	1.240	1.256		25.3	25.0	1.3	20.0
1,3,5-Trimethylbenzene	Ave	3.615	3.764		26.0	25.0	4.1	20.0
2-Chlorotoluene	Ave	1.103	1.145		26.0	25.0	3.8	20.0
4-Chlorotoluene	Ave	1.150	1.182		25.7	25.0	2.8	20.0
tert-Butylbenzene	Ave	0.8407	0.8574		25.5	25.0	2.0	20.0
1,2,4-Trimethylbenzene	Ave	3.833	3.946		25.7	25.0	2.9	20.0
sec-Butylbenzene	Ave	4.315	4.533		26.3	25.0	5.1	20.0
4-Isopropyltoluene	Ave	3.809	4.026		26.4	25.0	5.7	20.0
1,3-Dichlorobenzene	Ave	2.325	2.353	0.6000	25.3	25.0	1.2	20.0
1,4-Dichlorobenzene	Ave	2.348	2.432	0.5000	25.9	25.0	3.6	20.0
n-Butylbenzene	Ave	3.220	3.391		26.3	25.0	5.3	20.0
1,2-Dichlorobenzene	Ave	2.242	2.272	0.4000	25.3	25.0	1.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-395910/3 Calibration Date: 01/16/2018 09:17
 Instrument ID: HP5973C Calib Start Date: 01/11/2018 14:41
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 01/11/2018 17:38
 Lab File ID: C1712.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	0.2215	0.2166	0.0500	24.4	25.0	-2.2	50.0
1,2,4-Trichlorobenzene	Ave	1.574	1.620	0.2000	25.7	25.0	3.0	20.0
Hexachlorobutadiene	Ave	0.6170	0.6259		25.4	25.0	1.4	20.0
Naphthalene	Ave	3.863	4.023		26.0	25.0	4.1	20.0
1,2,3-Trichlorobenzene	Ave	1.492	1.526		25.6	25.0	2.3	20.0
Dibromofluoromethane (Surr)	Ave	1.383	1.233		22.3	25.0	-10.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7696	0.6710		21.8	25.0	-12.8	20.0
Toluene-d8 (Surr)	Ave	2.330	2.150		23.1	25.0	-7.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8486	0.9183		27.1	25.0	8.2	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1712.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 16-Jan-2018 09:17:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ccvis
 Misc. Info.: 480-0068592-003
 Operator ID: RR Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 09:43:13 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: reiler

Date: 16-Jan-2018 09:43:13

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	9.345	9.345	0.000	99	179270	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.753	11.753	0.000	88	400340	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	94	429550	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	92	221122	25.0	22.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	96	120283	25.0	21.8	
\$ 5 Toluene-d8 (Surr)	98	10.567	10.567	0.000	94	860659	25.0	23.1	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.689	0.000	90	367647	25.0	27.1	
10 Dichlorodifluoromethane	85	4.460	4.460	0.000	99	577159	25.0	32.4	
12 Chloromethane	50	4.875	4.875	0.000	99	497736	25.0	29.3	
13 Vinyl chloride	62	5.088	5.088	0.000	98	507693	25.0	28.1	
151 Butadiene	54	5.147	5.147	0.000	96	462833	25.0	29.7	
14 Bromomethane	94	5.693	5.693	0.000	92	390234	25.0	26.9	
15 Chloroethane	64	5.823	5.823	0.000	99	306590	25.0	27.8	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	97	789199	25.0	27.1	
17 Trichlorofluoromethane	101	6.179	6.179	0.000	99	823134	25.0	28.9	
18 Ethyl ether	59	6.464	6.464	0.000	91	284653	25.0	26.8	
20 Acrolein	56	6.689	6.689	0.000	99	236783	125.0	127.3	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	400477	25.0	28.8	
22 1,1-Dichloroethene	96	6.808	6.808	0.000	98	361364	25.0	26.1	
23 Acetone	43	6.843	6.843	0.000	98	639080	125.0	142.2	
25 Iodomethane	142	7.033	7.033	0.000	99	726183	25.0	26.7	
26 Carbon disulfide	76	7.128	7.128	0.000	100	1410588	25.0	27.0	
27 Methyl acetate	43	7.140	7.140	0.000	98	482658	50.0	53.6	
28 3-Chloro-1-propene	41	7.163	7.163	0.000	82	564810	25.0	26.7	
30 Methylene Chloride	84	7.306	7.306	0.000	90	404483	25.0	23.8	
31 2-Methyl-2-propanol	59	7.329	7.329	0.000	99	428551	250.0	286.8	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	95	1135989	25.0	25.5	
33 Acrylonitrile	53	7.531	7.531	0.000	97	1176182	250.0	266.2	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	98	404228	25.0	25.7	
35 Hexane	57	7.721	7.721	0.000	94	465271	25.0	28.4	

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	7.887	7.887	0.000	97	1465078	50.0	55.9	
39 1,1-Dichloroethane	63	7.946	7.946	0.000	96	657761	25.0	26.2	
43 2-Butanone (MEK)	43	8.397	8.397	0.000	100	823460	125.0	136.3	
45 cis-1,2-Dichloroethene	96	8.432	8.432	0.000	83	456888	25.0	25.8	
44 2,2-Dichloropropane	77	8.444	8.444	0.000	76	667847	25.0	28.0	
48 Chlorobromomethane	128	8.658	8.658	0.000	91	237191	25.0	26.5	
50 Chloroform	83	8.669	8.669	0.000	93	715161	25.0	25.6	
49 Tetrahydrofuran	42	8.681	8.681	0.000	83	207640	50.0	54.1	
51 1,1,1-Trichloroethane	97	8.859	8.859	0.000	98	680692	25.0	27.9	
52 Cyclohexane	56	8.907	8.907	0.000	88	637197	25.0	28.6	
53 Isobutyl alcohol	43	8.918	8.918	0.000	91	474573	625.0	733.8	
54 1,1-Dichloropropene	75	8.966	8.966	0.000	95	545721	25.0	27.4	
55 Carbon tetrachloride	117	9.001	9.001	0.000	97	625286	25.0	28.2	
57 Benzene	78	9.167	9.167	0.000	96	1531583	25.0	26.4	
58 1,2-Dichloroethane	62	9.167	9.167	0.000	98	571663	25.0	25.7	
59 n-Heptane	43	9.191	9.191	0.000	92	419644	25.0	28.4	
62 Trichloroethene	95	9.630	9.630	0.000	96	435369	25.0	27.0	
64 Methylcyclohexane	83	9.784	9.784	0.000	89	632810	25.0	29.3	
65 1,2-Dichloropropane	63	9.832	9.832	0.000	89	373093	25.0	26.6	
66 1,4-Dioxane	88	9.903	9.903	0.000	91	89457	500.0	716.1	
67 Dibromomethane	93	9.962	9.962	0.000	94	267484	25.0	26.6	
68 Dichlorobromomethane	83	10.033	10.033	0.000	98	558405	25.0	26.0	
69 2-Chloroethyl vinyl ether	63	10.164	10.164	0.000	95	228573	25.0	27.5	
72 cis-1,3-Dichloropropene	75	10.353	10.353	0.000	98	640472	25.0	26.7	
73 4-Methyl-2-pentanone (MIBK)	43	10.389	10.389	0.000	97	1675493	125.0	134.6	
74 Toluene	92	10.626	10.626	0.000	98	997922	25.0	26.0	
75 Ethyl methacrylate	69	10.697	10.697	0.000	88	447535	25.0	27.5	
77 trans-1,3-Dichloropropene	75	10.768	10.768	0.000	95	611100	25.0	26.2	
79 1,1,2-Trichloroethane	83	10.946	10.946	0.000	92	287151	25.0	26.2	
80 2-Hexanone	43	11.029	11.029	0.000	96	1236595	125.0	135.5	
81 Tetrachloroethene	166	11.077	11.077	0.000	96	485071	25.0	27.0	
82 1,3-Dichloropropane	76	11.089	11.089	0.000	92	589158	25.0	26.0	
83 Chlorodibromomethane	129	11.314	11.314	0.000	90	455176	25.0	26.0	
84 Ethylene Dibromide	107	11.444	11.444	0.000	99	373473	25.0	26.4	
87 Chlorobenzene	112	11.776	11.776	0.000	98	1183261	25.0	25.7	
88 Ethylbenzene	91	11.788	11.788	0.000	98	1914847	25.0	26.9	
89 1,1,1,2-Tetrachloroethane	131	11.812	11.812	0.000	94	449983	25.0	25.8	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	97	757312	25.0	26.3	
91 o-Xylene	106	12.215	12.215	0.000	96	749363	25.0	26.5	
92 Styrene	104	12.227	12.227	0.000	90	1229209	25.0	26.7	
94 Isopropylbenzene	105	12.488	12.488	0.000	97	1929711	25.0	26.4	
95 Bromoform	173	12.500	12.500	0.000	97	299307	25.0	27.1	
97 1,1,2,2-Tetrachloroethane	83	12.761	12.761	0.000	96	441275	25.0	25.6	
98 trans-1,4-Dichloro-2-buten	53	12.796	12.796	0.000	96	141732	25.0	28.1	
99 N-Propylbenzene	91	12.844	12.844	0.000	99	2205726	25.0	26.4	
100 1,2,3-Trichloropropane	110	12.844	12.844	0.000	84	155051	25.0	27.0	
101 Bromobenzene	156	12.879	12.879	0.000	89	539620	25.0	25.3	
102 1,3,5-Trimethylbenzene	105	12.950	12.950	0.000	94	1616846	25.0	26.0	
103 2-Chlorotoluene	126	12.998	12.998	0.000	97	491896	25.0	26.0	
105 4-Chlorotoluene	126	13.081	13.081	0.000	98	507922	25.0	25.7	
106 tert-Butylbenzene	134	13.282	13.282	0.000	92	368284	25.0	25.5	
107 1,2,4-Trimethylbenzene	105	13.318	13.318	0.000	98	1695081	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.484	0.000	94	1947339	25.0	26.3	
110 4-Isopropyltoluene	119	13.579	13.579	0.000	97	1729314	25.0	26.4	
111 1,3-Dichlorobenzene	146	13.709	13.709	0.000	98	1010621	25.0	25.3	
113 1,4-Dichlorobenzene	146	13.780	13.780	0.000	94	1044635	25.0	25.9	
115 n-Butylbenzene	91	13.994	13.994	0.000	98	1456714	25.0	26.3	
116 1,2-Dichlorobenzene	146	14.196	14.196	0.000	98	975861	25.0	25.3	
117 1,2-Dibromo-3-Chloropropan	75	15.061	15.061	0.000	85	93038	25.0	24.4	
119 1,2,4-Trichlorobenzene	180	16.105	16.105	0.000	94	695942	25.0	25.7	
120 Hexachlorobutadiene	225	16.223	16.223	0.000	98	268840	25.0	25.4	
121 Naphthalene	128	16.532	16.532	0.000	97	1728133	25.0	26.0	
122 1,2,3-Trichlorobenzene	180	16.887	16.887	0.000	95	655371	25.0	25.6	

Reagents:

8260 CORP mix_00118	Amount Added: 12.50	Units: uL	
GAS CORP mix_00260	Amount Added: 12.50	Units: uL	
C_8260_IS_00105	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00121	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180116-68592.b\\C1712.D

Injection Date: 16-Jan-2018 09:17:30

Instrument ID: HP5973C

Operator ID: RR

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

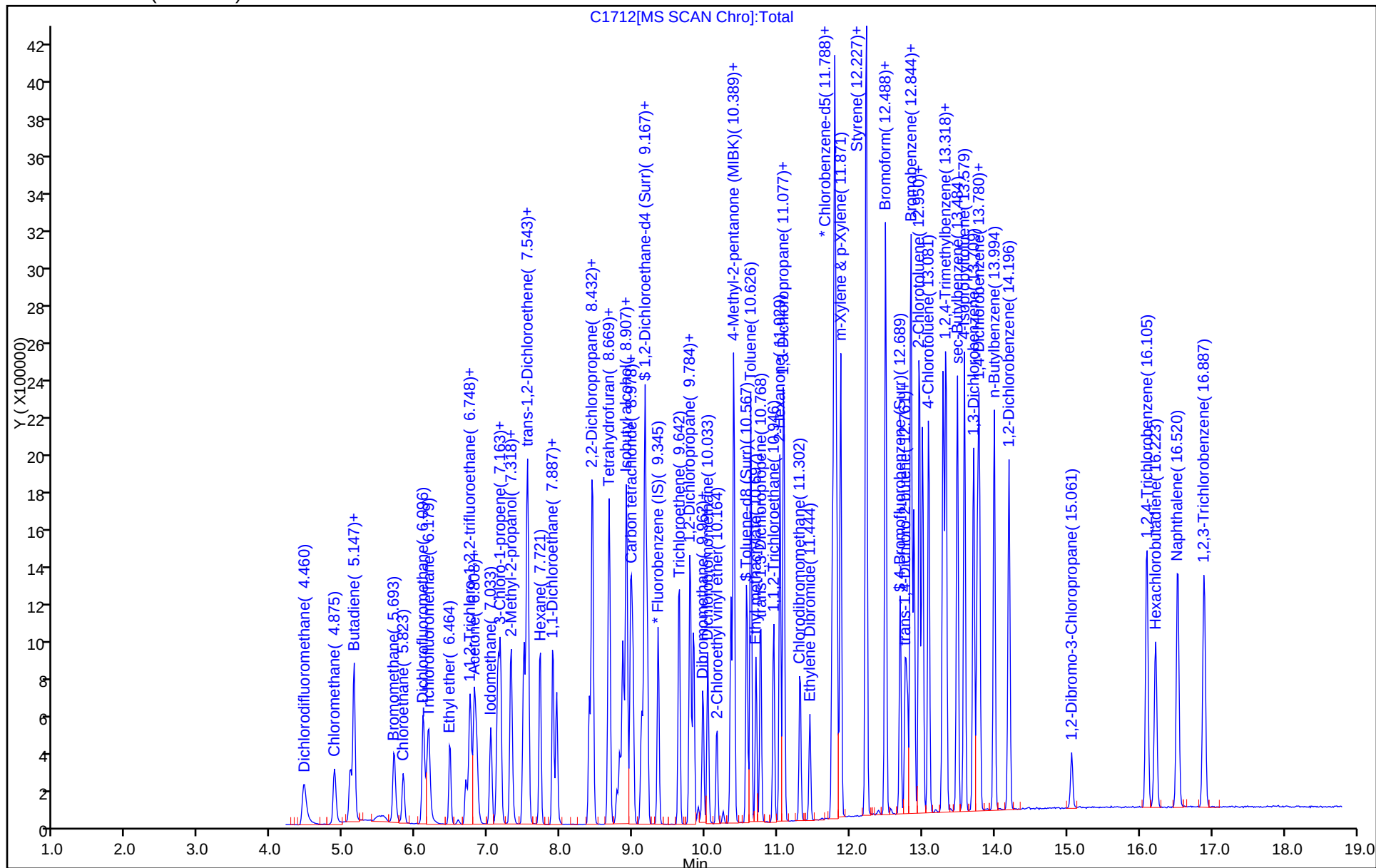
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-396044/2 Calibration Date: 01/16/2018 20:35
 Instrument ID: HP5973C Calib Start Date: 01/11/2018 14:41
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 01/11/2018 17:38
 Lab File ID: C1738.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.484	2.510	0.1000	25.3	25.0	1.1	50.0
Chloromethane	Ave	2.371	2.444	0.1000	25.8	25.0	3.1	20.0
Vinyl chloride	Ave	2.516	2.364	0.1000	23.5	25.0	-6.0	20.0
Butadiene	Ave	2.176	2.068		23.8	25.0	-5.0	20.0
Bromomethane	Ave	2.022	1.963	0.1000	24.3	25.0	-2.9	50.0
Chloroethane	Ave	1.539	1.506	0.1000	24.5	25.0	-2.2	50.0
Dichlorofluoromethane	Ave	4.063	3.844		23.7	25.0	-5.4	20.0
Trichlorofluoromethane	Ave	3.965	3.684	0.1000	23.2	25.0	-7.1	20.0
Ethyl ether	Ave	1.479	1.482		25.1	25.0	0.2	20.0
Acrolein	Ave	0.2593	0.2508		121	125	-3.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.939	1.946	0.1000	25.1	25.0	0.3	20.0
1,1-Dichloroethene	Ave	1.934	1.824	0.1000	23.6	25.0	-5.7	20.0
Acetone	Ave	0.6267	0.6691	0.1000	133	125	6.8	50.0
Iodomethane	Ave	3.793	3.737		24.6	25.0	-1.5	20.0
Carbon disulfide	Ave	7.292	7.050	0.1000	24.2	25.0	-3.3	20.0
Methyl acetate	Ave	1.256	1.255	0.1000	50.0	50.0	-0.0	50.0
Allyl chloride	Ave	2.945	2.901		24.6	25.0	-1.5	20.0
2-Methyl-2-propanol	Ave	0.2084	0.2196		263	250	5.4	50.0
Methylene Chloride	Ave	2.373	2.196	0.1000	23.1	25.0	-7.5	20.0
Methyl tert-butyl ether	Ave	6.204	6.036	0.1000	24.3	25.0	-2.7	20.0
Acrylonitrile	Ave	0.6163	0.6185		251	250	0.4	20.0
trans-1,2-Dichloroethene	Ave	2.196	2.108	0.1000	24.0	25.0	-4.0	20.0
Hexane	Ave	2.281	2.301		25.2	25.0	0.9	20.0
Vinyl acetate	Ave	3.656	3.846		52.6	50.0	5.2	20.0
1,1-Dichloroethane	Ave	3.496	3.466	0.2000	24.8	25.0	-0.8	20.0
2-Butanone (MEK)	Ave	0.8425	0.8421	0.1000	125	125	-0.0	20.0
2,2-Dichloropropane	Ave	3.331	3.424		25.7	25.0	2.8	20.0
cis-1,2-Dichloroethene	Ave	2.465	2.444	0.1000	24.8	25.0	-0.9	20.0
Chlorobromomethane	Ave	1.249	1.278		25.6	25.0	2.3	20.0
Chloroform	Ave	3.891	3.794	0.2000	24.4	25.0	-2.5	20.0
Tetrahydrofuran	Ave	0.5353	0.5317		49.7	50.0	-0.7	20.0
1,1,1-Trichloroethane	Ave	3.403	3.468	0.1000	25.5	25.0	1.9	20.0
Cyclohexane	Ave	3.109	3.084	0.1000	24.8	25.0	-0.8	20.0
Isobutyl alcohol	Ave	0.0902	0.0946		656	625	4.9	50.0
1,1-Dichloropropene	Ave	2.773	2.774		25.0	25.0	0.0	20.0
Carbon tetrachloride	Ave	3.090	3.139	0.1000	25.4	25.0	1.6	20.0
1,2-Dichloroethane	Ave	3.102	3.047	0.1000	24.6	25.0	-1.8	20.0
Benzene	Ave	8.095	8.026	0.5000	24.8	25.0	-0.8	20.0
n-Heptane	Ave	2.062	2.149		26.1	25.0	4.2	20.0
Trichloroethene	Ave	2.248	2.256	0.2000	25.1	25.0	0.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Lab Sample ID: CCVIS 480-396044/2 Calibration Date: 01/16/2018 20:35

Instrument ID: HP5973C Calib Start Date: 01/11/2018 14:41

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 01/11/2018 17:38

Lab File ID: C1738.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	3.009	3.160	0.1000	26.3	25.0	5.0	20.0
1,2-Dichloropropane	Ave	1.955	1.975	0.1000	25.3	25.0	1.1	20.0
1,4-Dioxane	Ave	0.0078	0.0101		645	500	29.0	50.0
Dibromomethane	Ave	1.402	1.427	0.1000	25.4	25.0	1.7	20.0
Bromodichloromethane	Ave	2.994	2.995	0.2000	25.0	25.0	0.0	20.0
2-Chloroethyl vinyl ether	Ave	1.158	1.193		25.8	25.0	3.1	20.0
cis-1,3-Dichloropropene	Ave	3.343	3.359	0.2000	25.1	25.0	0.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7775	0.7699	0.1000	124	125	-1.0	20.0
Toluene	Ave	2.396	2.343	0.4000	24.4	25.0	-2.2	20.0
Ethyl methacrylate	Ave	1.014	1.033		25.4	25.0	1.8	20.0
trans-1,3-Dichloropropene	Ave	1.458	1.431	0.1000	24.5	25.0	-1.8	20.0
1,1,2-Trichloroethane	Ave	0.6836	0.6694	0.1000	24.5	25.0	-2.1	20.0
2-Hexanone	Ave	0.5700	0.5659	0.1000	124	125	-0.7	20.0
Tetrachloroethene	Ave	1.122	1.119	0.2000	24.9	25.0	-0.3	20.0
1,3-Dichloropropane	Ave	1.414	1.379		24.4	25.0	-2.5	20.0
Dibromochloromethane	Ave	1.093	1.088	0.1000	24.9	25.0	-0.5	20.0
1,2-Dibromoethane	Ave	0.8829	0.8677		24.6	25.0	-1.7	20.0
Chlorobenzene	Ave	2.876	2.798	0.5000	24.3	25.0	-2.7	20.0
Ethylbenzene	Ave	4.447	4.436	0.1000	24.9	25.0	-0.2	20.0
1,1,1,2-Tetrachloroethane	Ave	1.089	1.074		24.6	25.0	-1.4	20.0
m,p-Xylene	Ave	1.797	1.760	0.1000	24.5	25.0	-2.0	20.0
o-Xylene	Ave	1.763	1.744	0.3000	24.7	25.0	-1.1	20.0
Styrene	Ave	2.873	2.881	0.3000	25.1	25.0	0.3	20.0
Bromoform	Ave	0.6897	0.6801	0.1000	24.7	25.0	-1.4	50.0
Isopropylbenzene	Ave	4.260	4.231	0.1000	24.8	25.0	-0.7	20.0
1,1,2,2-Tetrachloroethane	Ave	1.003	0.9662	0.3000	24.1	25.0	-3.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2931	0.2993		25.5	25.0	2.1	50.0
1,2,3-Trichloropropane	Ave	0.3339	0.3324		24.9	25.0	-0.5	20.0
N-Propylbenzene	Ave	4.854	4.828		24.9	25.0	-0.5	20.0
Bromobenzene	Ave	1.240	1.207		24.3	25.0	-2.6	20.0
1,3,5-Trimethylbenzene	Ave	3.615	3.576		24.7	25.0	-1.1	20.0
2-Chlorotoluene	Ave	1.103	1.075		24.4	25.0	-2.6	20.0
4-Chlorotoluene	Ave	1.150	1.128		24.5	25.0	-1.9	20.0
tert-Butylbenzene	Ave	0.8407	0.8146		24.2	25.0	-3.1	20.0
1,2,4-Trimethylbenzene	Ave	3.833	3.741		24.4	25.0	-2.4	20.0
sec-Butylbenzene	Ave	4.315	4.282		24.8	25.0	-0.8	20.0
4-Isopropyltoluene	Ave	3.809	3.883		25.5	25.0	1.9	20.0
1,3-Dichlorobenzene	Ave	2.325	2.241	0.6000	24.1	25.0	-3.6	20.0
1,4-Dichlorobenzene	Ave	2.348	2.322	0.5000	24.7	25.0	-1.1	20.0
n-Butylbenzene	Ave	3.220	3.238		25.1	25.0	0.6	20.0
1,2-Dichlorobenzene	Ave	2.242	2.178	0.4000	24.3	25.0	-2.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-396044/2 Calibration Date: 01/16/2018 20:35
 Instrument ID: HP5973C Calib Start Date: 01/11/2018 14:41
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 01/11/2018 17:38
 Lab File ID: C1738.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	0.2215	0.2042	0.0500	23.0	25.0	-7.8	50.0
1,2,4-Trichlorobenzene	Ave	1.574	1.591	0.2000	25.3	25.0	1.1	20.0
Hexachlorobutadiene	Ave	0.6170	0.6193		25.1	25.0	0.4	20.0
Naphthalene	Ave	3.863	3.794		24.5	25.0	-1.8	20.0
1,2,3-Trichlorobenzene	Ave	1.492	1.474		24.7	25.0	-1.2	20.0
Dibromofluoromethane (Surr)	Ave	1.383	1.219		22.0	25.0	-11.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7696	0.6319		20.5	25.0	-17.9	20.0
Toluene-d8 (Surr)	Ave	2.330	2.084		22.4	25.0	-10.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8486	0.9171		27.0	25.0	8.1	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1738.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 16-Jan-2018 20:35:30 ALS Bottle#: 2 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ccvis
 Misc. Info.: 480-0068612-002
 Operator ID: KN Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jan-2018 14:03:51 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: nowakk

Date: 16-Jan-2018 21:25:12

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	9.345	9.345	0.000	99	178521	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.753	11.753	0.000	88	401335	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	94	426147	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	217626	25.0	22.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	97	112805	25.0	20.5	
\$ 5 Toluene-d8 (Surr)	98	10.567	10.567	0.000	94	836471	25.0	22.4	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.689	0.000	90	368060	25.0	27.0	
10 Dichlorodifluoromethane	85	4.460	4.460	0.000	99	448175	25.0	25.3	
12 Chloromethane	50	4.887	4.887	0.000	99	436266	25.0	25.8	
13 Vinyl chloride	62	5.100	5.100	0.000	98	422057	25.0	23.5	
151 Butadiene	54	5.147	5.147	0.000	96	369136	25.0	23.8	
14 Bromomethane	94	5.705	5.705	0.000	92	350375	25.0	24.3	
15 Chloroethane	64	5.835	5.835	0.000	99	268882	25.0	24.5	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	97	686235	25.0	23.7	
17 Trichlorofluoromethane	101	6.179	6.179	0.000	98	657712	25.0	23.2	
18 Ethyl ether	59	6.476	6.476	0.000	90	264577	25.0	25.1	
20 Acrolein	56	6.689	6.689	0.000	99	223903	125.0	120.9	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	347345	25.0	25.1	
22 1,1-Dichloroethene	96	6.808	6.808	0.000	98	325563	25.0	23.6	
23 Acetone	43	6.843	6.843	0.000	98	597197	125.0	133.4	
25 Iodomethane	142	7.033	7.033	0.000	99	667081	25.0	24.6	
26 Carbon disulfide	76	7.128	7.128	0.000	100	1258538	25.0	24.2	
27 Methyl acetate	43	7.140	7.140	0.000	97	447955	50.0	50.0	
28 3-Chloro-1-propene	41	7.175	7.175	0.000	85	517903	25.0	24.6	
30 Methylene Chloride	84	7.318	7.318	0.000	92	392108	25.0	23.1	
31 2-Methyl-2-propanol	59	7.318	7.318	0.000	98	392003	250.0	263.5	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	95	1077545	25.0	24.3	
33 Acrylonitrile	53	7.531	7.531	0.000	98	1104180	250.0	250.9	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	98	376378	25.0	24.0	
35 Hexane	57	7.721	7.721	0.000	94	410789	25.0	25.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.887	7.887	0.000	98	1373258	50.0	52.6	
39 1,1-Dichloroethane	63	7.946	7.946	0.000	96	618804	25.0	24.8	
43 2-Butanone (MEK)	43	8.397	8.397	0.000	100	751680	125.0	124.9	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.000	82	436278	25.0	24.8	
44 2,2-Dichloropropane	77	8.444	8.444	0.000	82	611230	25.0	25.7	
48 Chlorobromomethane	128	8.658	8.658	0.000	91	228080	25.0	25.6	
50 Chloroform	83	8.669	8.669	0.000	94	677346	25.0	24.4	
49 Tetrahydrofuran	42	8.681	8.681	0.000	87	189827	50.0	49.7	
51 1,1,1-Trichloroethane	97	8.859	8.859	0.000	98	619106	25.0	25.5	
52 Cyclohexane	56	8.907	8.907	0.000	88	550542	25.0	24.8	
53 Isobutyl alcohol	43	8.918	8.918	0.000	89	422237	625.0	655.6	
54 1,1-Dichloropropene	75	8.966	8.966	0.000	95	495240	25.0	25.0	
55 Carbon tetrachloride	117	9.001	9.001	0.000	97	560352	25.0	25.4	
58 1,2-Dichloroethane	62	9.167	9.167	0.000	98	543864	25.0	24.6	
57 Benzene	78	9.167	9.167	0.000	96	1432825	25.0	24.8	
59 n-Heptane	43	9.191	9.191	0.000	90	383663	25.0	26.1	
62 Trichloroethene	95	9.642	9.642	0.000	96	402766	25.0	25.1	
64 Methylcyclohexane	83	9.784	9.784	0.000	90	564085	25.0	26.3	
65 1,2-Dichloropropane	63	9.832	9.832	0.000	88	352656	25.0	25.3	
66 1,4-Dioxane	88	9.903	9.903	0.000	93	80776	500.0	645.0	
67 Dibromomethane	93	9.962	9.962	0.000	93	254676	25.0	25.4	
68 Dichlorobromomethane	83	10.033	10.033	0.000	99	534703	25.0	25.0	
69 2-Chloroethyl vinyl ether	63	10.164	10.164	0.000	94	213024	25.0	25.8	
72 cis-1,3-Dichloropropene	75	10.353	10.353	0.000	98	599636	25.0	25.1	
73 4-Methyl-2-pentanone (MIBK)	43	10.389	10.389	0.000	97	1545029	125.0	123.8	
74 Toluene	92	10.626	10.626	0.000	98	940335	25.0	24.4	
75 Ethyl methacrylate	69	10.697	10.697	0.000	88	414437	25.0	25.4	
77 trans-1,3-Dichloropropene	75	10.768	10.768	0.000	95	574193	25.0	24.5	
79 1,1,2-Trichloroethane	83	10.946	10.946	0.000	91	268652	25.0	24.5	
80 2-Hexanone	43	11.029	11.029	0.000	97	1135605	125.0	124.1	
81 Tetrachloroethene	166	11.077	11.077	0.000	96	448952	25.0	24.9	
82 1,3-Dichloropropane	76	11.089	11.089	0.000	92	553495	25.0	24.4	
83 Chlorodibromomethane	129	11.302	11.302	0.000	89	436504	25.0	24.9	
84 Ethylene Dibromide	107	11.444	11.444	0.000	99	348231	25.0	24.6	
87 Chlorobenzene	112	11.776	11.776	0.000	97	1123076	25.0	24.3	
88 Ethylbenzene	91	11.788	11.788	0.000	97	1780357	25.0	24.9	
89 1,1,1,2-Tetrachloroethane	131	11.812	11.812	0.000	94	430889	25.0	24.6	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	97	706493	25.0	24.5	
91 o-Xylene	106	12.215	12.215	0.000	96	699860	25.0	24.7	
92 Styrene	104	12.227	12.227	0.000	93	1156202	25.0	25.1	
95 Bromoform	173	12.488	12.488	0.000	97	272936	25.0	24.7	
94 Isopropylbenzene	105	12.488	12.488	0.000	96	1803016	25.0	24.8	
97 1,1,2,2-Tetrachloroethane	83	12.761	12.761	0.000	97	411744	25.0	24.1	
98 trans-1,4-Dichloro-2-buten	53	12.796	12.796	0.000	96	127532	25.0	25.5	
100 1,2,3-Trichloropropane	110	12.844	12.844	0.000	84	141643	25.0	24.9	
99 N-Propylbenzene	91	12.844	12.844	0.000	99	2057643	25.0	24.9	
101 Bromobenzene	156	12.879	12.879	0.000	90	514469	25.0	24.3	
102 1,3,5-Trimethylbenzene	105	12.950	12.950	0.000	94	1523749	25.0	24.7	
103 2-Chlorotoluene	126	12.998	12.998	0.000	97	457947	25.0	24.4	
105 4-Chlorotoluene	126	13.081	13.081	0.000	98	480632	25.0	24.5	
106 tert-Butylbenzene	134	13.282	13.282	0.000	92	347147	25.0	24.2	
107 1,2,4-Trimethylbenzene	105	13.318	13.318	0.000	98	1594409	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
109 sec-Butylbenzene	105	13.484	13.484	0.000	94	1824620	25.0	24.8	
110 4-Isopropyltoluene	119	13.579	13.579	0.000	97	1654570	25.0	25.5	
111 1,3-Dichlorobenzene	146	13.709	13.709	0.000	98	955135	25.0	24.1	
113 1,4-Dichlorobenzene	146	13.780	13.780	0.000	95	989665	25.0	24.7	
115 n-Butylbenzene	91	13.994	13.994	0.000	97	1379803	25.0	25.1	
116 1,2-Dichlorobenzene	146	14.196	14.196	0.000	98	928138	25.0	24.3	
117 1,2-Dibromo-3-Chloropropan	75	15.061	15.061	0.000	86	87003	25.0	23.0	
119 1,2,4-Trichlorobenzene	180	16.105	16.105	0.000	94	677825	25.0	25.3	
120 Hexachlorobutadiene	225	16.223	16.223	0.000	98	263924	25.0	25.1	
121 Naphthalene	128	16.520	16.520	0.000	97	1616593	25.0	24.5	
122 1,2,3-Trichlorobenzene	180	16.887	16.887	0.000	95	628343	25.0	24.7	

Reagents:

8260 CORP mix_00118	Amount Added: 12.50	Units: uL	
GAS CORP mix_00260	Amount Added: 12.50	Units: uL	
C_8260_IS_00105	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00122	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1738.D

Injection Date: 16-Jan-2018 20:35:30

Instrument ID: HP5973C

Operator ID: KN

Lims ID: CCVIS

Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL

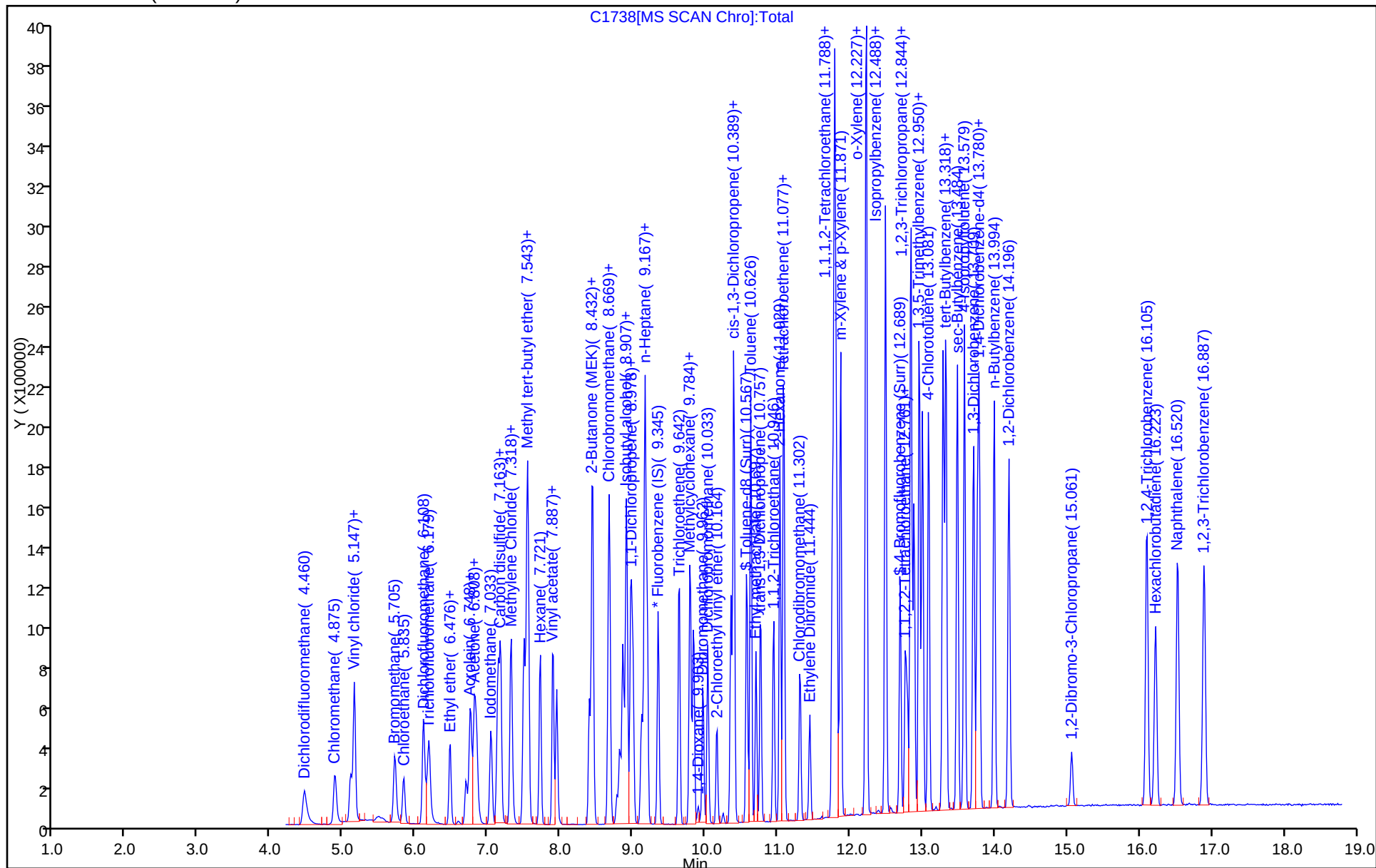
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Lab Sample ID: CCVIS 480-395765/3 Calibration Date: 01/15/2018 09:33

Instrument ID: HP5973P Calib Start Date: 12/05/2017 13:31

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 12/05/2017 16:27

Lab File ID: 95543P.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	1.821	2.063	0.1000	28.3	25.0	13.3	50.0
Chloromethane	Ave	5.536	6.393	0.1000	28.9	25.0	15.5	20.0
Vinyl chloride	Ave	2.445	2.783	0.1000	28.5	25.0	13.8	20.0
Butadiene	Ave	2.948	3.664		31.1	25.0	24.3*	20.0
Bromomethane	Ave	1.277	1.526	0.1000	29.9	25.0	19.5	50.0
Chloroethane	Ave	1.319	1.654	0.1000	31.3	25.0	25.4	50.0
Dichlorofluoromethane	Ave	3.412	3.784		27.7	25.0	10.9	20.0
Trichlorofluoromethane	Ave	2.771	3.074	0.1000	27.7	25.0	10.9	20.0
Ethyl ether	Ave	2.486	2.376		23.9	25.0	-4.4	20.0
Acrolein	Ave	0.4489	0.4224		118	125	-5.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.628	1.902	0.1000	29.2	25.0	16.8	20.0
1,1-Dichloroethene	Lin1		1.826	0.1000	27.5	25.0	10.2	20.0
Acetone	Ave	1.505	1.321	0.1000	110	125	-12.2	50.0
Iodomethane	Ave	2.522	3.554		35.2	25.0	40.9*	20.0
Carbon disulfide	Ave	6.296	6.861	0.1000	27.2	25.0	9.0	20.0
Methyl acetate	Ave	3.782	3.469	0.1000	45.9	50.0	-8.3	50.0
Allyl chloride	Ave	6.982	7.217		25.8	25.0	3.4	20.0
Methylene Chloride	Ave	1.937	1.953	0.1000	25.2	25.0	0.8	20.0
2-Methyl-2-propanol	Ave	0.3889	0.3441		221	250	-11.5	50.0
Methyl tert-butyl ether	Ave	4.903	4.815	0.1000	24.6	25.0	-1.8	20.0
trans-1,2-Dichloroethene	Ave	1.660	1.858	0.1000	28.0	25.0	11.9	20.0
Acrylonitrile	Ave	1.677	1.505		224	250	-10.3	20.0
Hexane	Ave	3.896	3.994		25.6	25.0	2.5	20.0
Vinyl acetate	Ave	9.515	8.965		47.1	50.0	-5.8	20.0
1,1-Dichloroethane	Ave	4.069	4.180	0.2000	25.7	25.0	2.7	20.0
2-Butanone (MEK)	Ave	2.372	2.026	0.1000	107	125	-14.6	20.0
2,2-Dichloropropane	Ave	1.960	2.458		31.3	25.0	25.4*	20.0
cis-1,2-Dichloroethene	Ave	1.961	2.043	0.1000	26.0	25.0	4.2	20.0
Chlorobromomethane	Ave	0.8839	1.055		29.8	25.0	19.3	20.0
Tetrahydrofuran	Ave	1.688	1.417		42.0	50.0	-16.0	20.0
Chloroform	Ave	2.754	3.105	0.2000	28.2	25.0	12.7	20.0
1,1,1-Trichloroethane	Ave	2.573	2.807	0.1000	27.3	25.0	9.1	20.0
Cyclohexane	Ave	5.725	5.614	0.1000	24.5	25.0	-1.9	20.0
1,1-Dichloropropene	Ave	2.136	2.257		26.4	25.0	5.6	20.0
Carbon tetrachloride	Ave	2.259	2.509	0.1000	27.8	25.0	11.1	20.0
Isobutyl alcohol	Ave	0.2481	0.2247		566	625	-9.5	50.0
Benzene	Ave	6.306	6.751	0.5000	26.8	25.0	7.1	20.0
1,2-Dichloroethane	Ave	3.477	3.130	0.1000	22.5	25.0	-10.0	20.0
n-Heptane	Ave	4.369	4.537		26.0	25.0	3.8	20.0
Trichloroethene	Ave	1.695	1.900	0.2000	28.0	25.0	12.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Lab Sample ID: CCVIS 480-395765/3 Calibration Date: 01/15/2018 09:33

Instrument ID: HP5973P Calib Start Date: 12/05/2017 13:31

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 12/05/2017 16:27

Lab File ID: 95543P.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	2.258	2.467	0.1000	27.3	25.0	9.3	20.0
1,2-Dichloropropane	Ave	2.344	2.333	0.1000	24.9	25.0	-0.5	20.0
1,4-Dioxane	Ave	0.0068	0.0072		535	500	6.9	50.0
Dibromomethane	Ave	1.130	1.089	0.1000	24.1	25.0	-3.6	20.0
Bromodichloromethane	Ave	2.155	2.345	0.2000	27.2	25.0	8.8	20.0
2-Chloroethyl vinyl ether	Ave	1.627	1.329		20.4	25.0	-18.3	20.0
cis-1,3-Dichloropropene	Ave	2.652	2.699	0.2000	25.4	25.0	1.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	2.211	1.696	0.1000	95.9	125	-23.3*	20.0
Toluene	Ave	1.934	1.818	0.4000	23.5	25.0	-6.0	20.0
Ethyl methacrylate	Ave	0.996	0.7843		19.7	25.0	-21.3*	20.0
trans-1,3-Dichloropropene	Ave	1.150	1.050	0.1000	22.8	25.0	-8.7	20.0
1,1,2-Trichloroethane	Ave	0.5971	0.5307	0.1000	22.2	25.0	-11.1	20.0
Tetrachloroethene	Ave	0.8149	0.8224	0.2000	25.2	25.0	0.9	20.0
2-Hexanone	Ave	1.604	1.223	0.1000	95.3	125	-23.7*	20.0
1,3-Dichloropropane	Ave	1.171	1.009		21.5	25.0	-13.8	20.0
Dibromochloromethane	Ave	0.8495	0.8138	0.1000	23.9	25.0	-4.2	20.0
1,2-Dibromoethane	Ave	0.7609	0.6989		23.0	25.0	-8.2	20.0
Chlorobenzene	Ave	2.275	2.209	0.5000	24.3	25.0	-2.9	20.0
Ethylbenzene	Ave	3.563	3.311	0.1000	23.2	25.0	-7.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7970	0.8329		26.1	25.0	4.5	20.0
m,p-Xylene	Ave	1.397	1.395	0.1000	25.0	25.0	-0.2	20.0
o-Xylene	Ave	1.383	1.382	0.3000	25.0	25.0	-0.0	20.0
Styrene	Ave	2.380	2.218	0.3000	23.3	25.0	-6.8	20.0
Bromoform	Ave	0.6030	0.5585	0.1000	23.2	25.0	-7.4	50.0
Isopropylbenzene	Ave	3.053	2.739	0.1000	22.4	25.0	-10.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8645	0.6927	0.3000	20.0	25.0	-19.9	20.0
N-Propylbenzene	Ave	3.694	3.210		21.7	25.0	-13.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.6284	0.3871		15.4	25.0	-38.4	50.0
Bromobenzene	Ave	0.9505	0.8683		22.8	25.0	-8.6	20.0
1,2,3-Trichloropropane	Ave	0.2807	0.2169		19.3	25.0	-22.7*	20.0
1,3,5-Trimethylbenzene	Ave	2.600	2.296		22.1	25.0	-11.7	20.0
2-Chlorotoluene	Ave	0.7948	0.7504		23.6	25.0	-5.6	20.0
4-Chlorotoluene	Ave	0.8355	0.7888		23.6	25.0	-5.6	20.0
tert-Butylbenzene	Ave	0.5526	0.5278		23.9	25.0	-4.5	20.0
1,2,4-Trimethylbenzene	Ave	2.735	2.486		22.7	25.0	-9.1	20.0
sec-Butylbenzene	Ave	3.096	2.800		22.6	25.0	-9.6	20.0
4-Isopropyltoluene	Ave	2.790	2.646		23.7	25.0	-5.1	20.0
1,3-Dichlorobenzene	Ave	1.667	1.558	0.6000	23.4	25.0	-6.5	20.0
1,4-Dichlorobenzene	Ave	1.710	1.552	0.5000	22.7	25.0	-9.3	20.0
n-Butylbenzene	Ave	2.395	2.124		22.2	25.0	-11.3	20.0
1,2-Dichlorobenzene	Ave	1.640	1.484	0.4000	22.6	25.0	-9.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-395765/3 Calibration Date: 01/15/2018 09:33
 Instrument ID: HP5973P Calib Start Date: 12/05/2017 13:31
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 12/05/2017 16:27
 Lab File ID: 95543P.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	Lin1		0.1320	0.0500	16.5	25.0	-34.1	50.0
1,2,4-Trichlorobenzene	Ave	1.142	1.055	0.2000	23.1	25.0	-7.6	20.0
Hexachlorobutadiene	Ave	0.4007	0.3889		24.3	25.0	-3.0	20.0
Naphthalene	Ave	3.253	2.700		20.7	25.0	-17.0	20.0
1,2,3-Trichlorobenzene	Ave	1.093	0.9630		22.0	25.0	-11.9	20.0
Dibromofluoromethane (Surr)	Ave	1.367	1.510		27.6	25.0	10.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8945	0.8967		25.1	25.0	0.2	20.0
Toluene-d8 (Surr)	Ave	2.327	2.246		24.1	25.0	-3.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8261	0.7787		23.6	25.0	-5.7	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95543P.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 15-Jan-2018 09:33:30 ALS Bottle#: 100 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ccvis
 Misc. Info.: 480-0068571-003
 Operator ID: RB Instrument ID: HP5973P
 Sublist: chrom-P-8260H2O*sub11
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Jan-2018 10:08:22 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK014

First Level Reviewer: baroner

Date: 15-Jan-2018 10:08:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.427	10.427	0.000	97	162549	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.376	14.376	0.000	91	380014	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.338	17.338	0.000	93	447109	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.624	9.624	0.000	93	245490	25.0	27.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.081	10.081	0.000	0	145754	25.0	25.1	
\$ 5 Toluene-d8 (Surr)	98	12.417	12.417	0.000	94	853598	25.0	24.1	
\$ 6 4-Bromofluorobenzene (Surr	174	15.872	15.872	0.000	92	295917	25.0	23.6	
10 Dichlorodifluoromethane	85	4.326	4.326	0.000	97	335409	25.0	28.3	
11 Chloromethane	50	4.745	4.745	0.000	99	1039214	25.0	28.9	
17 Vinyl chloride	62	4.946	4.946	0.000	96	452399	25.0	28.5	
144 Butadiene	54	5.001	5.001	0.000	98	595545	25.0	31.1	
12 Bromomethane	94	5.585	5.585	0.000	91	248074	25.0	29.9	
13 Chloroethane	64	5.713	5.713	0.000	91	268903	25.0	31.3	
19 Dichlorofluoromethane	67	6.017	6.017	0.000	96	615015	25.0	27.7	
14 Trichlorofluoromethane	101	6.065	6.065	0.000	99	499659	25.0	27.7	
20 Ethyl ether	59	6.388	6.388	0.000	84	386210	25.0	23.9	
22 Acrolein	56	6.692	6.692	0.000	98	343337	125.0	117.6	
16 1,1,2-Trichloro-1,2,2-trif	101	6.735	6.735	0.000	92	309148	25.0	29.2	
25 1,1-Dichloroethene	96	6.820	6.820	0.000	89	296868	25.0	27.5	
24 Acetone	43	6.881	6.881	0.000	97	1073768	125.0	109.8	
18 Iodomethane	142	7.124	7.124	0.000	99	577773	25.0	35.2	
27 Carbon disulfide	76	7.227	7.227	0.000	95	1115251	25.0	27.2	
30 Methyl acetate	43	7.246	7.246	0.000	98	1127728	50.0	45.9	
28 3-Chloro-1-propene	41	7.276	7.276	0.000	88	1173094	25.0	25.8	
31 Methylene Chloride	84	7.471	7.471	0.000	84	317534	25.0	25.2	
33 2-Methyl-2-propanol	59	7.489	7.489	0.000	96	559404	250.0	221.3	
32 Methyl tert-butyl ether	73	7.684	7.684	0.000	85	782652	25.0	24.6	
35 trans-1,2-Dichloroethene	96	7.769	7.769	0.000	88	301983	25.0	28.0	
34 Acrylonitrile	53	7.805	7.805	0.000	98	2445786	250.0	224.3	
36 Hexane	57	7.970	7.970	0.000	90	649234	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
38 Vinyl acetate	43	8.268	8.268	0.000	96	2914649	50.0	47.1	
40 1,1-Dichloroethane	63	8.335	8.335	0.000	96	679390	25.0	25.7	
44 2-Butanone (MEK)	43	9.010	9.010	0.000	94	1646392	125.0	106.8	
45 2,2-Dichloropropane	77	9.022	9.022	0.000	80	399465	25.0	31.3	
43 cis-1,2-Dichloroethene	96	9.040	9.040	0.000	90	332128	25.0	26.0	
50 Chlorobromomethane	128	9.381	9.381	0.000	80	171466	25.0	29.8	
51 Tetrahydrofuran	42	9.387	9.387	0.000	90	460750	50.0	42.0	
49 Chloroform	83	9.411	9.411	0.000	93	504645	25.0	28.2	
52 1,1,1-Trichloroethane	97	9.637	9.637	0.000	95	456323	25.0	27.3	
54 Cyclohexane	56	9.691	9.691	0.000	92	912583	25.0	24.5	
56 1,1-Dichloropropene	75	9.819	9.819	0.000	74	366809	25.0	26.4	
55 Carbon tetrachloride	117	9.837	9.837	0.000	57	407911	25.0	27.8	
53 Isobutyl alcohol	43	9.837	9.837	0.000	92	912996	625.0	565.9	
57 Benzene	78	10.117	10.117	0.000	90	1097305	25.0	26.8	
59 n-Heptane	43	10.178	10.178	0.000	91	737492	25.0	26.0	
60 1,2-Dichloroethane	62	10.178	10.178	0.000	91	508813	25.0	22.5	
62 Trichloroethene	95	10.878	10.878	0.000	94	308823	25.0	28.0	
64 Methylcyclohexane	83	11.072	11.072	0.000	87	401012	25.0	27.3	
63 1,2-Dichloropropane	63	11.218	11.218	0.000	87	379166	25.0	24.9	
68 1,4-Dioxane	88	11.328	11.328	0.000	89	54862	500.0	534.6	
69 Dibromomethane	93	11.425	11.425	0.000	92	177001	25.0	24.1	
70 Dichlorobromomethane	83	11.553	11.553	0.000	92	381182	25.0	27.2	
71 2-Chloroethyl vinyl ether	63	11.802	11.802	0.000	77	216064	25.0	20.4	
73 cis-1,3-Dichloropropene	75	12.088	12.088	0.000	77	438717	25.0	25.4	
75 4-Methyl-2-pentanone (MIBK)	43	12.192	12.192	0.000	95	3223324	125.0	95.9	
76 Toluene	92	12.508	12.508	0.000	96	691022	25.0	23.5	
77 Ethyl methacrylate	69	12.727	12.727	0.000	81	298038	25.0	19.7	
78 trans-1,3-Dichloropropene	75	12.800	12.800	0.000	83	399018	25.0	22.8	
79 1,1,2-Trichloroethane	83	13.086	13.086	0.000	94	201679	25.0	22.2	
80 Tetrachloroethene	166	13.232	13.232	0.000	93	312515	25.0	25.2	
83 2-Hexanone	43	13.275	13.275	0.000	95	2324493	125.0	95.3	
82 1,3-Dichloropropane	76	13.323	13.323	0.000	86	383482	25.0	21.5	
81 Chlorodibromomethane	129	13.664	13.664	0.000	89	309246	25.0	23.9	
85 Ethylene Dibromide	107	13.859	13.859	0.000	98	265578	25.0	23.0	
87 Chlorobenzene	112	14.418	14.418	0.000	96	839507	25.0	24.3	
89 Ethylbenzene	91	14.461	14.461	0.000	97	1258160	25.0	23.2	
88 1,1,1,2-Tetrachloroethane	131	14.497	14.497	0.000	94	316529	25.0	26.1	
90 m-Xylene & p-Xylene	106	14.595	14.595	0.000	0	529965	25.0	25.0	
93 o-Xylene	106	15.148	15.148	0.000	96	525361	25.0	25.0	
94 Styrene	104	15.173	15.173	0.000	90	842894	25.0	23.3	
92 Bromoform	173	15.562	15.562	0.000	92	212228	25.0	23.2	
95 Isopropylbenzene	105	15.574	15.574	0.000	96	1224439	25.0	22.4	
97 1,1,2,2-Tetrachloroethane	83	16.043	16.043	0.000	96	309719	25.0	20.0	
98 trans-1,4-Dichloro-2-buten	53	16.097	16.097	0.000	56	173090	25.0	15.4	
99 N-Propylbenzene	91	16.097	16.097	0.000	98	1435242	25.0	21.7	
100 Bromobenzene	156	16.122	16.122	0.000	82	388205	25.0	22.8	
101 1,2,3-Trichloropropane	110	16.140	16.140	0.000	82	96985	25.0	19.3	
102 1,3,5-Trimethylbenzene	105	16.286	16.286	0.000	95	1026707	25.0	22.1	
103 2-Chlorotoluene	126	16.304	16.304	0.000	96	335504	25.0	23.6	
105 4-Chlorotoluene	126	16.438	16.438	0.000	96	352674	25.0	23.6	
106 tert-Butylbenzene	134	16.724	16.724	0.000	96	235981	25.0	23.9	
107 1,2,4-Trimethylbenzene	105	16.791	16.791	0.000	97	1111593	25.0	22.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	16.992	16.992	0.000	95	1251927	25.0	22.6	
112 4-Isopropyltoluene	119	17.138	17.138	0.000	98	1183010	25.0	23.7	
110 1,3-Dichlorobenzene	146	17.259	17.259	0.000	97	696711	25.0	23.4	
111 1,4-Dichlorobenzene	146	17.363	17.363	0.000	94	693762	25.0	22.7	
115 n-Butylbenzene	91	17.655	17.655	0.000	98	949692	25.0	22.2	
116 1,2-Dichlorobenzene	146	17.862	17.862	0.000	97	663337	25.0	22.6	
117 1,2-Dibromo-3-Chloropropan	75	18.914	18.914	0.000	81	59028	25.0	16.5	
119 1,2,4-Trichlorobenzene	180	20.015	20.015	0.000	94	471785	25.0	23.1	
120 Hexachlorobutadiene	225	20.131	20.131	0.000	95	173880	25.0	24.3	
121 Naphthalene	128	20.459	20.459	0.000	97	1207018	25.0	20.7	
122 1,2,3-Trichlorobenzene	180	20.843	20.843	0.000	94	430543	25.0	22.0	

Reagents:

8260 CORP mix_00118	Amount Added: 12.50	Units: uL	
GAS CORP mix_00259	Amount Added: 12.50	Units: uL	
P 8260 IS_00280	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00261	Amount Added: 1.25	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20180115-68571.b\\95543P.D

Injection Date: 15-Jan-2018 09:33:30

Instrument ID: HP5973P

Lims ID: CCVIS

Operator ID: RB

Client ID:

Worklist Smp#: 3

Purge Vol: 5.000 mL

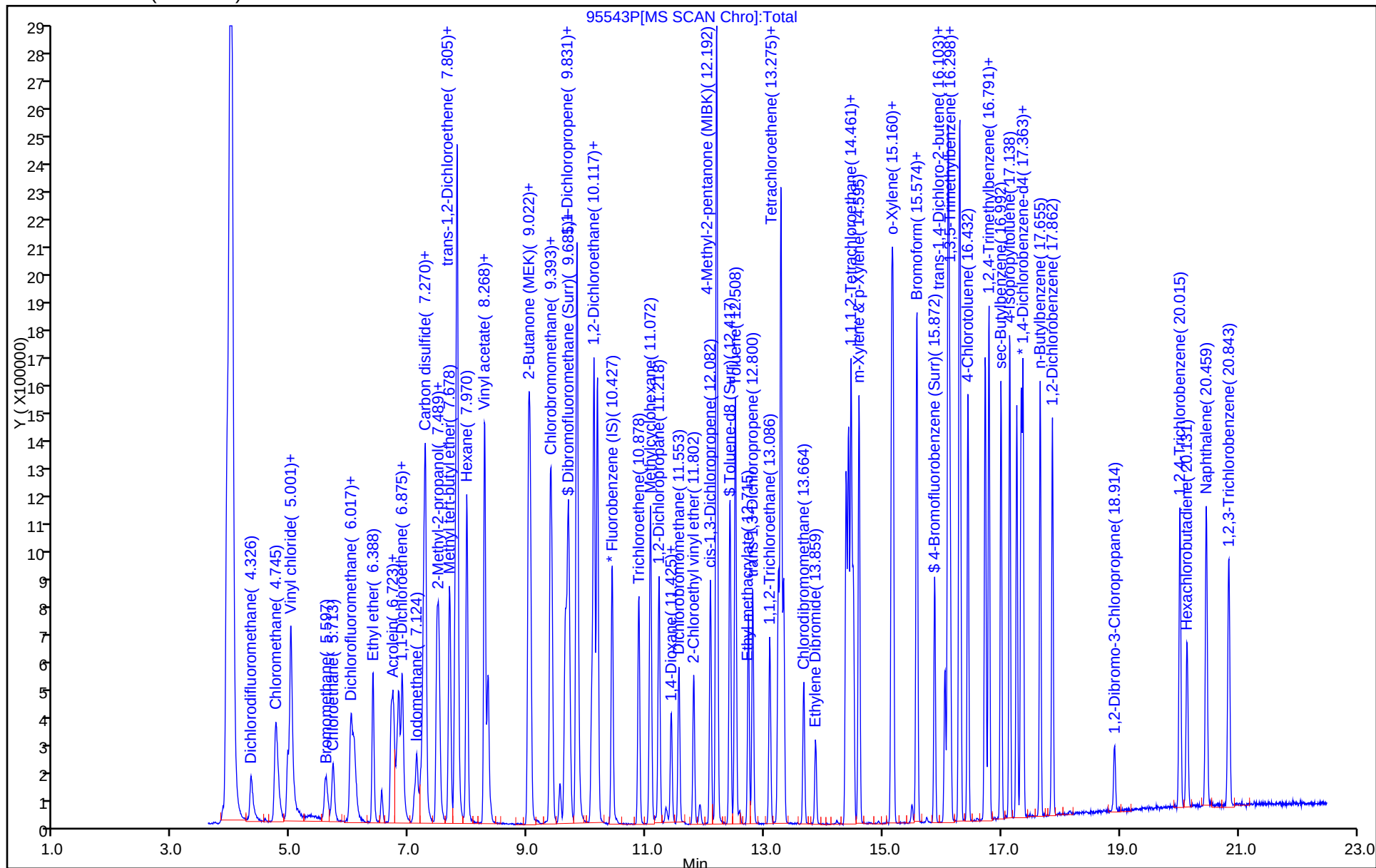
Dil. Factor: 1.0000

ALS Bottle#: 100

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Lab Sample ID: CCVIS 480-395851/3 Calibration Date: 01/15/2018 13:37

Instrument ID: HP5975T Calib Start Date: 01/11/2018 15:11

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 01/11/2018 17:55

Lab File ID: T3832.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	1.730	2.065	0.1000	29.8	25.0	19.3	50.0
Chloromethane	Ave	2.180	2.459	0.1000	28.2	25.0	12.8	20.0
Vinyl chloride	Ave	1.893	2.155	0.1000	28.5	25.0	13.9	20.0
Butadiene	Ave	1.857	2.227		30.0	25.0	19.9	20.0
Bromomethane	Ave	1.076	1.183	0.1000	27.5	25.0	9.9	50.0
Chloroethane	Ave	1.042	1.118	0.1000	26.8	25.0	7.3	50.0
Trichlorofluoromethane	Ave	2.295	2.608	0.1000	28.4	25.0	13.6	20.0
Dichlorofluoromethane	Ave	2.460	2.573		26.1	25.0	4.6	20.0
Ethyl ether	Ave	1.292	1.248		24.2	25.0	-3.4	20.0
Acrolein	Ave	0.2284	0.2255		123	125	-1.3	50.0
1,1-Dichloroethene	Ave	1.173	1.215	0.1000	25.9	25.0	3.6	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.209	1.434	0.1000	29.7	25.0	18.7	20.0
Acetone	Ave	0.4597	0.4499	0.1000	122	125	-2.1	50.0
Iodomethane	Ave	2.293	2.465		26.9	25.0	7.5	20.0
Carbon disulfide	Ave	3.797	4.147	0.1000	27.3	25.0	9.2	20.0
Allyl chloride	Ave	2.780	2.858		25.7	25.0	2.8	20.0
Methyl acetate	Ave	1.071	1.056	0.1000	49.3	50.0	-1.4	50.0
Methylene Chloride	Lin1		1.370	0.1000	24.3	25.0	-2.6	20.0
2-Methyl-2-propanol	Ave	0.1225	0.1415		289	250	15.5	50.0
Methyl tert-butyl ether	Ave	3.729	3.856	0.1000	25.9	25.0	3.4	20.0
trans-1,2-Dichloroethene	Ave	1.336	1.421	0.1000	26.6	25.0	6.4	20.0
Acrylonitrile	Ave	0.4974	0.5313		267	250	6.8	20.0
Hexane	Ave	2.354	2.533		26.9	25.0	7.6	20.0
1,1-Dichloroethane	Ave	2.594	2.676	0.2000	25.8	25.0	3.1	20.0
Vinyl acetate	Ave	3.329	3.564		53.5	50.0	7.0	20.0
2,2-Dichloropropane	Ave	2.160	2.298		26.6	25.0	6.4	20.0
cis-1,2-Dichloroethene	Ave	1.551	1.590	0.1000	25.6	25.0	2.5	20.0
2-Butanone (MEK)	Ave	0.6085	0.6250	0.1000	128	125	2.7	20.0
Chlorobromomethane	Ave	0.7850	0.7863		25.0	25.0	0.2	20.0
Tetrahydrofuran	Ave	0.4472	0.4254		47.6	50.0	-4.9	20.0
Chloroform	Ave	2.527	2.446	0.2000	24.2	25.0	-3.2	20.0
1,1,1-Trichloroethane	Ave	2.167	2.359	0.1000	27.2	25.0	8.9	20.0
Cyclohexane	Ave	2.766	3.082	0.1000	27.9	25.0	11.4	20.0
1,1-Dichloropropene	Ave	1.681	1.855		27.6	25.0	10.3	20.0
Carbon tetrachloride	Ave	2.034	2.287	0.1000	28.1	25.0	12.4	20.0
Benzene	Ave	4.840	5.126	0.5000	26.5	25.0	5.9	20.0
Isobutyl alcohol	Ave	0.0509	0.0577		709	625	13.4	50.0
1,2-Dichloroethane	Ave	2.277	2.236	0.1000	24.6	25.0	-1.8	20.0
n-Heptane	Ave	2.789	2.873		25.8	25.0	3.0	20.0
Trichloroethene	Ave	1.414	1.477	0.2000	26.1	25.0	4.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Lab Sample ID: CCVIS 480-395851/3 Calibration Date: 01/15/2018 13:37

Instrument ID: HP5975T Calib Start Date: 01/11/2018 15:11

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 01/11/2018 17:55

Lab File ID: T3832.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	2.259	2.427	0.1000	26.9	25.0	7.5	20.0
1,2-Dichloropropane	Ave	1.533	1.485	0.1000	24.2	25.0	-3.1	20.0
1,4-Dioxane	Ave	0.0017	0.0023		653	500	30.6	50.0
Dibromomethane	Ave	0.9016	0.8835	0.1000	24.5	25.0	-2.0	20.0
Bromodichloromethane	Ave	1.831	1.925	0.2000	26.3	25.0	5.1	20.0
2-Chloroethyl vinyl ether	Ave	0.9802	0.9450		24.1	25.0	-3.6	20.0
cis-1,3-Dichloropropene	Ave	2.084	2.200	0.2000	26.4	25.0	5.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3444	0.3476	0.1000	126	125	0.9	20.0
Toluene	Ave	0.8207	0.8389	0.4000	25.6	25.0	2.2	20.0
trans-1,3-Dichloropropene	Ave	0.4920	0.5033	0.1000	25.6	25.0	2.3	20.0
Ethyl methacrylate	Ave	0.3836	0.3788		24.7	25.0	-1.2	20.0
1,1,2-Trichloroethane	Ave	0.2360	0.2269	0.1000	24.0	25.0	-3.9	20.0
Tetrachloroethene	Ave	0.3629	0.3833	0.2000	26.4	25.0	5.6	20.0
1,3-Dichloropropane	Ave	0.4766	0.4722		24.8	25.0	-0.9	20.0
2-Hexanone	Ave	0.2446	0.2420	0.1000	124	125	-1.1	20.0
Dibromochloromethane	Ave	0.3627	0.3775	0.1000	26.0	25.0	4.1	20.0
1,2-Dibromoethane	Ave	0.3107	0.3025		24.3	25.0	-2.6	20.0
Chlorobenzene	Ave	0.9466	0.9377	0.5000	24.8	25.0	-1.0	20.0
Ethylbenzene	Ave	1.604	1.644	0.1000	25.6	25.0	2.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3666	0.3741		25.5	25.0	2.0	20.0
m,p-Xylene	Ave	0.6471	0.6446	0.1000	24.9	25.0	-0.4	20.0
o-Xylene	Ave	0.6257	0.6407	0.3000	25.6	25.0	2.4	20.0
Styrene	Ave	1.079	1.090	0.3000	25.2	25.0	1.0	20.0
Bromoform	Ave	0.2156	0.2347	0.1000	27.2	25.0	8.9	50.0
Isopropylbenzene	Ave	3.019	3.105	0.1000	25.7	25.0	2.8	20.0
Bromobenzene	Ave	0.7818	0.7843		25.1	25.0	0.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6501	0.6379	0.3000	24.5	25.0	-1.9	20.0
N-Propylbenzene	Ave	3.485	3.616		25.9	25.0	3.8	20.0
1,2,3-Trichloropropane	Ave	0.2157	0.2170		25.2	25.0	0.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2845	0.2918		25.6	25.0	2.5	50.0
2-Chlorotoluene	Ave	0.7081	0.7390		26.1	25.0	4.4	20.0
1,3,5-Trimethylbenzene	Ave	2.633	2.680		25.4	25.0	1.8	20.0
4-Chlorotoluene	Ave	2.258	2.226		24.6	25.0	-1.5	20.0
tert-Butylbenzene	Ave	0.5827	0.5923		25.4	25.0	1.6	20.0
1,2,4-Trimethylbenzene	Ave	2.738	2.770		25.3	25.0	1.2	20.0
sec-Butylbenzene	Ave	3.245	3.435		26.5	25.0	5.9	20.0
4-Isopropyltoluene	Ave	2.890	3.023		26.1	25.0	4.6	20.0
1,3-Dichlorobenzene	Ave	1.514	1.542	0.6000	25.5	25.0	1.8	20.0
1,4-Dichlorobenzene	Ave	1.557	1.570	0.5000	25.2	25.0	0.9	20.0
n-Butylbenzene	Ave	2.596	2.660		25.6	25.0	2.5	20.0
1,2-Dichlorobenzene	Ave	1.452	1.505	0.4000	25.9	25.0	3.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-395851/3 Calibration Date: 01/15/2018 13:37
 Instrument ID: HP5975T Calib Start Date: 01/11/2018 15:11
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 01/11/2018 17:55
 Lab File ID: T3832.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	0.1272	0.1296	0.0500	25.5	25.0	1.9	50.0
1,2,4-Trichlorobenzene	Ave	1.051	1.056	0.2000	25.1	25.0	0.5	20.0
Hexachlorobutadiene	Ave	0.5118	0.5293		25.9	25.0	3.4	20.0
Naphthalene	Ave	2.499	2.487		24.9	25.0	-0.5	20.0
1,2,3-Trichlorobenzene	Ave	0.9751	0.9816		25.2	25.0	0.7	20.0
Dibromofluoromethane (Surr)	Ave	1.279	1.275		24.9	25.0	-0.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.593	1.593		25.0	25.0	-0.0	20.0
Toluene-d8 (Surr)	Ave	1.130	1.104		24.4	25.0	-2.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3641	0.3601		24.7	25.0	-1.1	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3832.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 15-Jan-2018 13:37:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Operator ID: RR Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 09:32:58 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: reiler

Date: 15-Jan-2018 14:04:19

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	4.869	4.869	0.000	98	143079	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	87	587846	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	97	320160	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.403	4.403	0.000	93	182388	25.0	24.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.652	4.652	0.000	0	227924	25.0	25.0	
\$ 6 Toluene-d8 (Surr)	98	6.040	6.040	0.000	94	649107	25.0	24.4	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.000	88	211684	25.0	24.7	
11 Dichlorodifluoromethane	85	1.232	1.232	0.000	98	295458	25.0	29.8	
13 Chloromethane	50	1.398	1.398	0.000	99	351823	25.0	28.2	
14 Vinyl chloride	62	1.481	1.481	0.000	98	308367	25.0	28.5	
151 Butadiene	54	1.491	1.491	0.000	94	318625	25.0	30.0	
15 Bromomethane	94	1.781	1.781	0.000	93	169240	25.0	27.5	
16 Chloroethane	64	1.843	1.843	0.000	97	159986	25.0	26.8	
17 Trichlorofluoromethane	101	2.051	2.051	0.000	73	373153	25.0	28.4	
18 Dichlorofluoromethane	67	2.061	2.061	0.000	95	368147	25.0	26.1	
19 Ethyl ether	59	2.299	2.299	0.000	97	178555	25.0	24.2	
21 Acrolein	56	2.476	2.476	0.000	99	161285	125.0	123.4	
22 1,1-Dichloroethene	96	2.507	2.507	0.000	94	173840	25.0	25.9	
20 1,1,2-Trichloro-1,2,2-trif	101	2.517	2.517	0.000	94	205218	25.0	29.7	
23 Acetone	43	2.621	2.621	0.000	98	321883	125.0	122.3	
24 Iodomethane	142	2.662	2.662	0.000	98	352740	25.0	26.9	
25 Carbon disulfide	76	2.693	2.693	0.000	99	593312	25.0	27.3	
27 3-Chloro-1-propene	41	2.849	2.849	0.000	87	408964	25.0	25.7	
28 Methyl acetate	43	2.890	2.890	0.000	99	302202	50.0	49.3	
30 Methylene Chloride	84	2.983	2.983	0.000	95	196061	25.0	24.3	
31 2-Methyl-2-propanol	59	3.139	3.139	0.000	97	202509	250.0	288.9	
33 Methyl tert-butyl ether	73	3.170	3.170	0.000	99	551763	25.0	25.9	
32 trans-1,2-Dichloroethene	96	3.180	3.180	0.000	94	203346	25.0	26.6	
34 Acrylonitrile	53	3.242	3.242	0.000	98	760144	250.0	267.0	
35 Hexane	57	3.346	3.346	0.000	95	362454	25.0	26.9	
36 1,1-Dichloroethane	63	3.553	3.553	0.000	97	382847	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
39 Vinyl acetate	43	3.584	3.584	0.000	97	1019854	50.0	53.5	
42 2,2-Dichloropropane	77	3.999	3.999	0.000	90	328759	25.0	26.6	
43 cis-1,2-Dichloroethene	96	4.020	4.020	0.000	86	227544	25.0	25.6	
44 2-Butanone (MEK)	43	4.040	4.040	0.000	99	447141	125.0	128.4	
47 Chlorobromomethane	128	4.217	4.217	0.000	95	112496	25.0	25.0	
48 Tetrahydrofuran	42	4.227	4.227	0.000	92	121721	50.0	47.6	
50 Chloroform	83	4.279	4.279	0.000	96	349959	25.0	24.2	
52 Cyclohexane	56	4.372	4.372	0.000	97	440944	25.0	27.9	
51 1,1,1-Trichloroethane	97	4.372	4.372	0.000	97	337459	25.0	27.2	
53 Carbon tetrachloride	117	4.486	4.486	0.000	97	327171	25.0	28.1	
54 1,1-Dichloropropene	75	4.486	4.486	0.000	86	265343	25.0	27.6	
55 Benzene	78	4.652	4.652	0.000	95	733433	25.0	26.5	
56 Isobutyl alcohol	43	4.662	4.662	0.000	95	206437	625.0	708.6	
57 1,2-Dichloroethane	62	4.714	4.714	0.000	97	319916	25.0	24.6	
59 n-Heptane	43	4.787	4.787	0.000	97	411101	25.0	25.8	
60 Trichloroethene	95	5.139	5.139	0.000	94	211281	25.0	26.1	
62 Methylcyclohexane	83	5.232	5.232	0.000	99	347321	25.0	26.9	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	89	212532	25.0	24.2	
66 1,4-Dioxane	88	5.439	5.439	0.000	88	26475	500.0	653.2	M
65 Dibromomethane	93	5.439	5.439	0.000	94	126403	25.0	24.5	
67 Dichlorobromomethane	83	5.553	5.553	0.000	96	275452	25.0	26.3	
69 2-Chloroethyl vinyl ether	63	5.761	5.761	0.000	93	135209	25.0	24.1	
71 cis-1,3-Dichloropropene	75	5.875	5.875	0.000	89	314814	25.0	26.4	
72 4-Methyl-2-pentanone (MIBK)	43	5.978	5.978	0.000	99	1021652	125.0	126.2	
73 Toluene	92	6.092	6.092	0.000	98	493132	25.0	25.6	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	96	295889	25.0	25.6	
77 Ethyl methacrylate	69	6.331	6.331	0.000	94	222701	25.0	24.7	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	96	133384	25.0	24.0	
79 Tetrachloroethene	166	6.496	6.496	0.000	94	225341	25.0	26.4	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	98	277553	25.0	24.8	
81 2-Hexanone	43	6.621	6.621	0.000	98	711404	125.0	123.7	
82 Chlorodibromomethane	129	6.755	6.755	0.000	90	221889	25.0	26.0	
83 Ethylene Dibromide	107	6.838	6.838	0.000	99	177798	25.0	24.3	
86 Chlorobenzene	112	7.191	7.191	0.000	93	551196	25.0	24.8	
88 Ethylbenzene	91	7.253	7.253	0.000	99	966335	25.0	25.6	
89 1,1,1,2-Tetrachloroethane	131	7.263	7.263	0.000	94	219916	25.0	25.5	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	378920	25.0	24.9	
91 o-Xylene	106	7.667	7.667	0.000	97	376602	25.0	25.6	
92 Styrene	104	7.688	7.688	0.000	96	640542	25.0	25.2	
93 Bromoform	173	7.885	7.885	0.000	96	137976	25.0	27.2	
95 Isopropylbenzene	105	7.947	7.947	0.000	96	994011	25.0	25.7	
97 Bromobenzene	156	8.227	8.227	0.000	92	251085	25.0	25.1	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	95	204221	25.0	24.5	
99 N-Propylbenzene	91	8.279	8.279	0.000	99	1157701	25.0	25.9	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	91	69462	25.0	25.2	
101 trans-1,4-Dichloro-2-buten	53	8.289	8.289	0.000	80	93415	25.0	25.6	
105 2-Chlorotoluene	126	8.372	8.372	0.000	96	236604	25.0	26.1	
104 1,3,5-Trimethylbenzene	105	8.414	8.414	0.000	96	857942	25.0	25.4	
102 4-Chlorotoluene	91	8.455	8.455	0.000	98	712536	25.0	24.6	
106 tert-Butylbenzene	134	8.673	8.673	0.000	94	189625	25.0	25.4	
107 1,2,4-Trimethylbenzene	105	8.724	8.724	0.000	98	886820	25.0	25.3	
109 sec-Butylbenzene	105	8.849	8.849	0.000	95	1099786	25.0	26.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	967884	25.0	26.1	
110 1,3-Dichlorobenzene	146	8.984	8.984	0.000	98	493771	25.0	25.5	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	97	502701	25.0	25.2	
115 n-Butylbenzene	91	9.305	9.305	0.000	98	851665	25.0	25.6	
116 1,2-Dichlorobenzene	146	9.367	9.367	0.000	97	481793	25.0	25.9	
117 1,2-Dibromo-3-Chloropropan	75	10.041	10.041	0.000	81	41501	25.0	25.5	
119 1,2,4-Trichlorobenzene	180	10.693	10.693	0.000	95	338191	25.0	25.1	
120 Hexachlorobutadiene	225	10.787	10.787	0.000	96	169475	25.0	25.9	
121 Naphthalene	128	10.901	10.901	0.000	97	796116	25.0	24.9	
122 1,2,3-Trichlorobenzene	180	11.098	11.098	0.000	96	314275	25.0	25.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00118

Amount Added: 12.50

Units: uL

GAS CORP mix_00260

Amount Added: 12.50

Units: uL

T_8260_IS_00184

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00165

Amount Added: 1.00

Units: uL

Run Reagent

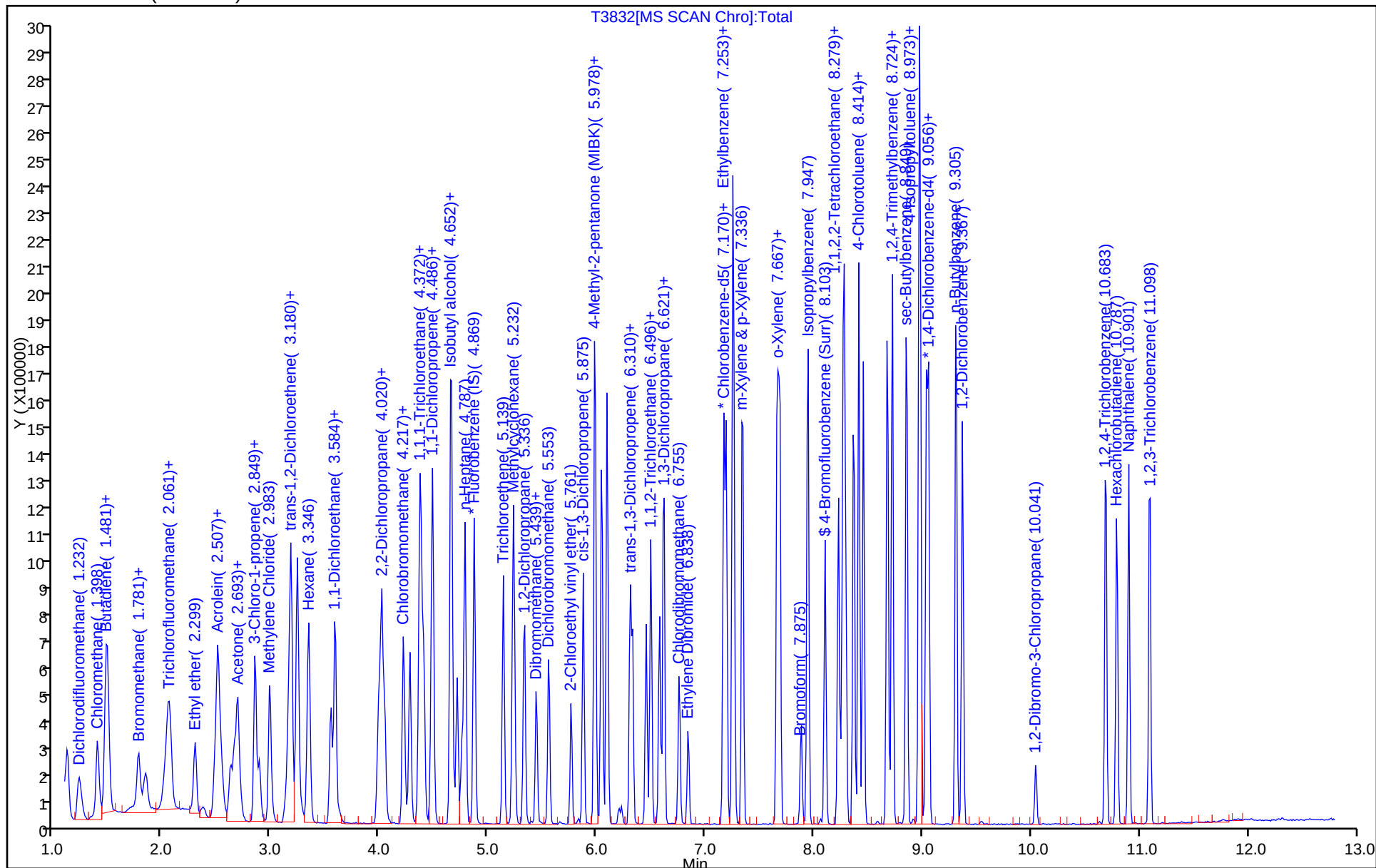
Operator ID: RR

Worklist Smp#: 3

ALS Bottle#: 3

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180115-68583.b\\T3832.D

Injection Date: 15-Jan-2018 13:37:30

Instrument ID: HP5975T

Lims ID: CCVIS

Client ID:

Operator ID: RR

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 (0.25 mm)

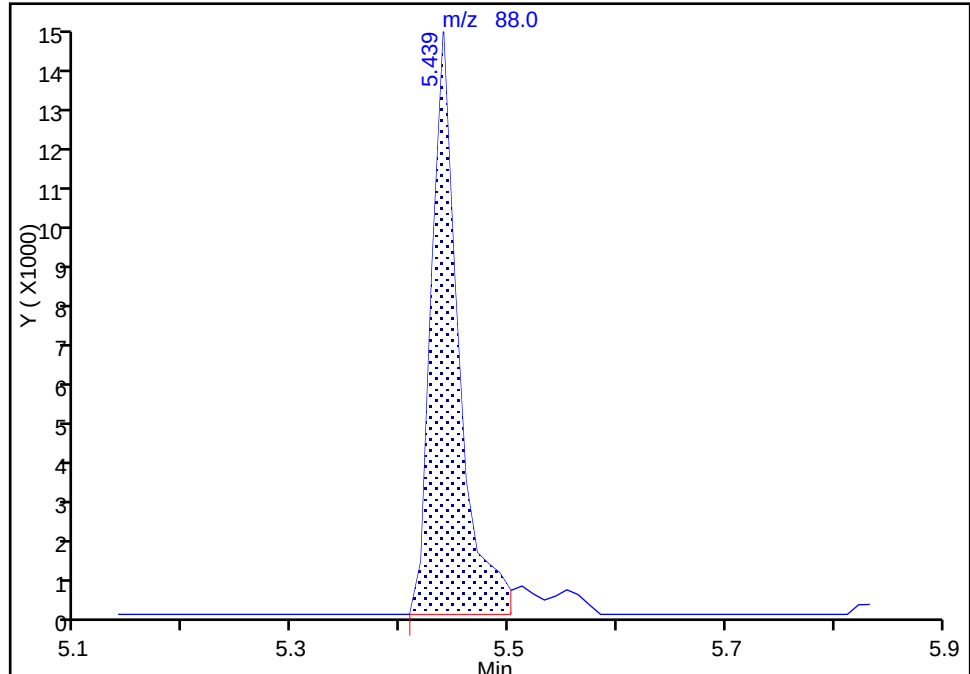
Detector: MS SCAN

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

Signal: 1

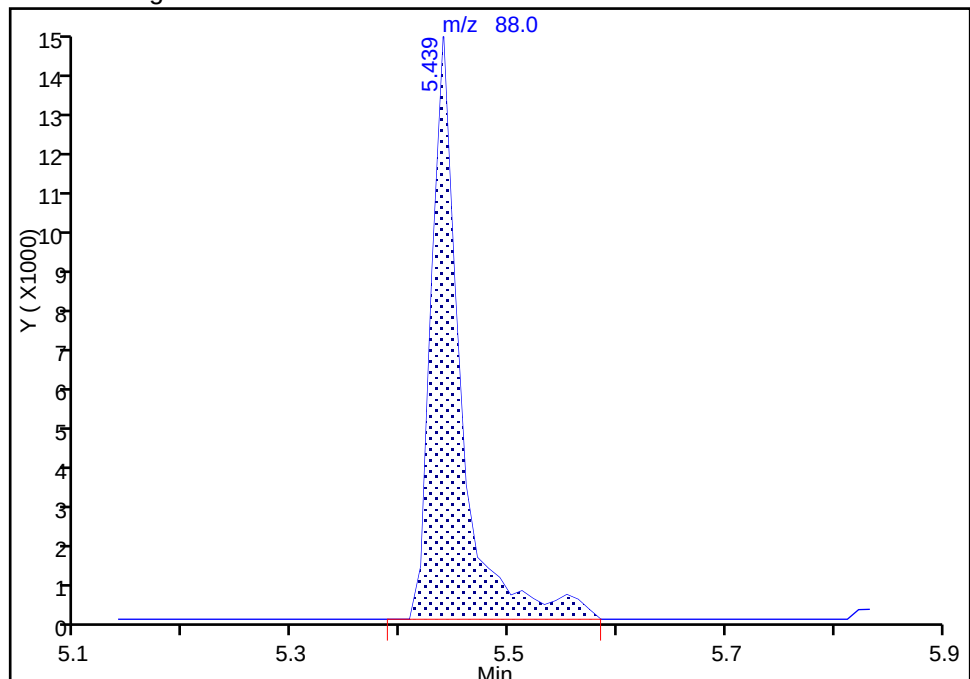
RT: 5.44
Area: 24448
Amount: 603.2340
Amount Units: ug/L

Processing Integration Results



RT: 5.44
Area: 26475
Amount: 653.2485
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 15-Jan-2018 13:57:54

Audit Action: Manually Integrated

Audit Reason: Peak Tail

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-395914/3 Calibration Date: 01/16/2018 08:39
 Instrument ID: HP5975T Calib Start Date: 01/11/2018 15:11
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 01/11/2018 17:55
 Lab File ID: T3861.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	1.730	1.879	0.1000	27.1	25.0	8.6	50.0
Chloromethane	Ave	2.180	2.226	0.1000	25.5	25.0	2.1	20.0
Vinyl chloride	Ave	1.893	1.949	0.1000	25.7	25.0	3.0	20.0
Butadiene	Ave	1.857	1.978		26.6	25.0	6.5	20.0
Bromomethane	Ave	1.076	1.070	0.1000	24.9	25.0	-0.6	50.0
Chloroethane	Ave	1.042	0.9533	0.1000	22.9	25.0	-8.5	50.0
Dichlorofluoromethane	Ave	2.460	2.354		23.9	25.0	-4.3	20.0
Trichlorofluoromethane	Ave	2.295	2.350	0.1000	25.6	25.0	2.4	20.0
Ethyl ether	Ave	1.292	1.237		24.0	25.0	-4.2	20.0
Acrolein	Ave	0.2284	0.2092		115	125	-8.4	50.0
1,1-Dichloroethene	Ave	1.173	1.234	0.1000	26.3	25.0	5.2	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.209	1.426	0.1000	29.5	25.0	18.0	20.0
Acetone	Ave	0.4597	0.4451	0.1000	121	125	-3.2	50.0
Iodomethane	Ave	2.293	2.435		26.6	25.0	6.2	20.0
Carbon disulfide	Ave	3.797	4.087	0.1000	26.9	25.0	7.7	20.0
Allyl chloride	Ave	2.780	2.795		25.1	25.0	0.5	20.0
Methyl acetate	Ave	1.071	1.044	0.1000	48.7	50.0	-2.5	50.0
Methylene Chloride	Lin1		1.326	0.1000	23.5	25.0	-5.9	20.0
2-Methyl-2-propanol	Ave	0.1225	0.1473		301	250	20.2	50.0
Methyl tert-butyl ether	Ave	3.729	3.752	0.1000	25.2	25.0	0.6	20.0
trans-1,2-Dichloroethene	Ave	1.336	1.375	0.1000	25.7	25.0	2.9	20.0
Acrylonitrile	Ave	0.4974	0.5239		263	250	5.3	20.0
Hexane	Ave	2.354	2.535		26.9	25.0	7.7	20.0
1,1-Dichloroethane	Ave	2.594	2.633	0.2000	25.4	25.0	1.5	20.0
Vinyl acetate	Ave	3.329	3.431		51.5	50.0	3.0	20.0
2,2-Dichloropropane	Ave	2.160	2.259		26.1	25.0	4.6	20.0
cis-1,2-Dichloroethene	Ave	1.551	1.537	0.1000	24.8	25.0	-0.9	20.0
2-Butanone (MEK)	Ave	0.6085	0.6171	0.1000	127	125	1.4	20.0
Chlorobromomethane	Ave	0.7850	0.7848		25.0	25.0	-0.0	20.0
Tetrahydrofuran	Ave	0.4472	0.4067		45.5	50.0	-9.1	20.0
Chloroform	Ave	2.527	2.427	0.2000	24.0	25.0	-4.0	20.0
1,1,1-Trichloroethane	Ave	2.167	2.317	0.1000	26.7	25.0	6.9	20.0
Cyclohexane	Ave	2.766	3.041	0.1000	27.5	25.0	9.9	20.0
1,1-Dichloropropene	Ave	1.681	1.855		27.6	25.0	10.4	20.0
Carbon tetrachloride	Ave	2.034	2.211	0.1000	27.2	25.0	8.7	20.0
Benzene	Ave	4.840	5.125	0.5000	26.5	25.0	5.9	20.0
Isobutyl alcohol	Ave	0.0509	0.0595		730	625	16.8	50.0
1,2-Dichloroethane	Ave	2.277	2.218	0.1000	24.4	25.0	-2.6	20.0
n-Heptane	Ave	2.789	2.870		25.7	25.0	2.9	20.0
Trichloroethene	Ave	1.414	1.451	0.2000	25.7	25.0	2.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-395914/3 Calibration Date: 01/16/2018 08:39
 Instrument ID: HP5975T Calib Start Date: 01/11/2018 15:11
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 01/11/2018 17:55
 Lab File ID: T3861.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	2.259	2.430	0.1000	26.9	25.0	7.6	20.0
1,2-Dichloropropane	Ave	1.533	1.472	0.1000	24.0	25.0	-4.0	20.0
1,4-Dioxane	Ave	0.0017	0.0026		767	500	53.4*	50.0
Dibromomethane	Ave	0.9016	0.8971	0.1000	24.9	25.0	-0.5	20.0
Bromodichloromethane	Ave	1.831	1.851	0.2000	25.3	25.0	1.1	20.0
2-Chloroethyl vinyl ether	Ave	0.9802	0.9204		23.5	25.0	-6.1	20.0
cis-1,3-Dichloropropene	Ave	2.084	2.132	0.2000	25.6	25.0	2.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3444	0.3488	0.1000	127	125	1.3	20.0
Toluene	Ave	0.8207	0.8484	0.4000	25.8	25.0	3.4	20.0
trans-1,3-Dichloropropene	Ave	0.4920	0.5065	0.1000	25.7	25.0	2.9	20.0
Ethyl methacrylate	Ave	0.3836	0.3850		25.1	25.0	0.4	20.0
1,1,2-Trichloroethane	Ave	0.2360	0.2333	0.1000	24.7	25.0	-1.1	20.0
Tetrachloroethene	Ave	0.3629	0.4038	0.2000	27.8	25.0	11.3	20.0
1,3-Dichloropropane	Ave	0.4766	0.4810		25.2	25.0	0.9	20.0
2-Hexanone	Ave	0.2446	0.2445	0.1000	125	125	-0.0	20.0
Dibromochloromethane	Ave	0.3627	0.3729	0.1000	25.7	25.0	2.8	20.0
1,2-Dibromoethane	Ave	0.3107	0.3147		25.3	25.0	1.3	20.0
Chlorobenzene	Ave	0.9466	0.9634	0.5000	25.4	25.0	1.8	20.0
Ethylbenzene	Ave	1.604	1.672	0.1000	26.1	25.0	4.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3666	0.3789		25.8	25.0	3.3	20.0
m,p-Xylene	Ave	0.6471	0.6676	0.1000	25.8	25.0	3.2	20.0
o-Xylene	Ave	0.6257	0.6539	0.3000	26.1	25.0	4.5	20.0
Styrene	Ave	1.079	1.118	0.3000	25.9	25.0	3.6	20.0
Bromoform	Ave	0.2156	0.2218	0.1000	25.7	25.0	2.9	50.0
Isopropylbenzene	Ave	3.019	3.225	0.1000	26.7	25.0	6.8	20.0
Bromobenzene	Ave	0.7818	0.8192		26.2	25.0	4.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6501	0.6554	0.3000	25.2	25.0	0.8	20.0
N-Propylbenzene	Ave	3.485	3.720		26.7	25.0	6.8	20.0
1,2,3-Trichloropropane	Ave	0.2157	0.2265		26.3	25.0	5.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2845	0.2902		25.5	25.0	2.0	50.0
2-Chlorotoluene	Ave	0.7081	0.7617		26.9	25.0	7.6	20.0
1,3,5-Trimethylbenzene	Ave	2.633	2.764		26.2	25.0	5.0	20.0
4-Chlorotoluene	Ave	2.258	2.311		25.6	25.0	2.3	20.0
tert-Butylbenzene	Ave	0.5827	0.6176		26.5	25.0	6.0	20.0
1,2,4-Trimethylbenzene	Ave	2.738	2.886		26.3	25.0	5.4	20.0
sec-Butylbenzene	Ave	3.245	3.588		27.6	25.0	10.6	20.0
4-Isopropyltoluene	Ave	2.890	3.133		27.1	25.0	8.4	20.0
1,3-Dichlorobenzene	Ave	1.514	1.604	0.6000	26.5	25.0	5.9	20.0
1,4-Dichlorobenzene	Ave	1.557	1.630	0.5000	26.2	25.0	4.7	20.0
n-Butylbenzene	Ave	2.596	2.750		26.5	25.0	6.0	20.0
1,2-Dichlorobenzene	Ave	1.452	1.540	0.4000	26.5	25.0	6.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-395914/3 Calibration Date: 01/16/2018 08:39
 Instrument ID: HP5975T Calib Start Date: 01/11/2018 15:11
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 01/11/2018 17:55
 Lab File ID: T3861.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	0.1272	0.1354	0.0500	26.6	25.0	6.4	50.0
1,2,4-Trichlorobenzene	Ave	1.051	1.118	0.2000	26.6	25.0	6.4	20.0
Hexachlorobutadiene	Ave	0.5118	0.5588		27.3	25.0	9.2	20.0
Naphthalene	Ave	2.499	2.578		25.8	25.0	3.2	20.0
1,2,3-Trichlorobenzene	Ave	0.9751	1.035		26.5	25.0	6.2	20.0
Dibromofluoromethane (Surr)	Ave	1.279	1.253		24.5	25.0	-2.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.593	1.545		24.2	25.0	-3.0	20.0
Toluene-d8 (Surr)	Ave	1.130	1.123		24.9	25.0	-0.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.3641	0.3620		24.9	25.0	-0.6	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3861.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 16-Jan-2018 08:39:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0068593-003
 Operator ID: RR Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 08:56:48 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: reiler

Date: 16-Jan-2018 08:56:48

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	4.869	0.000	98	148339	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	87	587146	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	96	316552	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.413	0.000	94	185911	25.0	24.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.662	0.000	0	229250	25.0	24.2	
\$ 6 Toluene-d8 (Surr)	98	6.040	6.040	0.000	94	659476	25.0	24.9	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.000	88	212535	25.0	24.9	
11 Dichlorodifluoromethane	85	1.242	1.242	0.000	98	278706	25.0	27.1	
13 Chloromethane	50	1.408	1.408	0.000	99	330135	25.0	25.5	
14 Vinyl chloride	62	1.491	1.491	0.000	97	289109	25.0	25.7	
151 Butadiene	54	1.501	1.501	0.000	93	293386	25.0	26.6	
15 Bromomethane	94	1.792	1.792	0.000	91	158678	25.0	24.9	
16 Chloroethane	64	1.854	1.854	0.000	98	141413	25.0	22.9	
17 Trichlorofluoromethane	101	2.061	2.061	0.000	64	348554	25.0	25.6	
18 Dichlorofluoromethane	67	2.061	2.061	0.000	95	349243	25.0	23.9	
19 Ethyl ether	59	2.310	2.310	0.000	98	183558	25.0	24.0	
21 Acrolein	56	2.486	2.486	0.000	99	155182	125.0	114.5	
22 1,1-Dichloroethene	96	2.517	2.517	0.000	94	183024	25.0	26.3	
20 1,1,2-Trichloro-1,2,2-trif	101	2.527	2.527	0.000	95	211467	25.0	29.5	
23 Acetone	43	2.631	2.631	0.000	98	330089	125.0	121.0	
24 Iodomethane	142	2.672	2.672	0.000	98	361266	25.0	26.6	
25 Carbon disulfide	76	2.704	2.704	0.000	99	606286	25.0	26.9	
27 3-Chloro-1-propene	41	2.859	2.859	0.000	87	414570	25.0	25.1	
28 Methyl acetate	43	2.900	2.900	0.000	99	309603	50.0	48.7	
30 Methylene Chloride	84	2.994	2.994	0.000	95	196705	25.0	23.5	
31 2-Methyl-2-propanol	59	3.149	3.149	0.000	97	218442	250.0	300.5	
33 Methyl tert-butyl ether	73	3.170	3.170	0.000	98	556631	25.0	25.2	
32 trans-1,2-Dichloroethene	96	3.191	3.191	0.000	94	203994	25.0	25.7	
34 Acrylonitrile	53	3.242	3.242	0.000	98	777089	250.0	263.3	
35 Hexane	57	3.346	3.346	0.000	95	375996	25.0	26.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.553	3.553	0.000	97	390627	25.0	25.4	
39 Vinyl acetate	43	3.595	3.595	0.000	97	1017864	50.0	51.5	
42 2,2-Dichloropropane	77	3.999	3.999	0.000	92	335045	25.0	26.1	
43 cis-1,2-Dichloroethene	96	4.020	4.020	0.000	86	227977	25.0	24.8	
44 2-Butanone (MEK)	43	4.051	4.051	0.000	98	457723	125.0	126.8	
47 Chlorobromomethane	128	4.217	4.217	0.000	94	116420	25.0	25.0	
48 Tetrahydrofuran	42	4.227	4.227	0.000	91	120650	50.0	45.5	
50 Chloroform	83	4.279	4.279	0.000	97	359987	25.0	24.0	
51 1,1,1-Trichloroethane	97	4.372	4.372	0.000	97	343739	25.0	26.7	
52 Cyclohexane	56	4.382	4.382	0.000	96	451121	25.0	27.5	
54 1,1-Dichloropropene	75	4.486	4.486	0.000	89	275192	25.0	27.6	
53 Carbon tetrachloride	117	4.486	4.486	0.000	97	328012	25.0	27.2	
55 Benzene	78	4.662	4.662	0.000	95	760176	25.0	26.5	
56 Isobutyl alcohol	43	4.672	4.672	0.000	93	220470	625.0	730.0	
57 1,2-Dichloroethane	62	4.714	4.714	0.000	97	329038	25.0	24.4	
59 n-Heptane	43	4.786	4.786	0.000	96	425678	25.0	25.7	
60 Trichloroethene	95	5.139	5.139	0.000	95	215171	25.0	25.7	
62 Methylcyclohexane	83	5.232	5.232	0.000	98	360466	25.0	26.9	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	89	218327	25.0	24.0	
66 1,4-Dioxane	88	5.439	5.439	0.000	37	31050	500.0	767.0	M
65 Dibromomethane	93	5.439	5.439	0.000	94	133074	25.0	24.9	
67 Dichlorobromomethane	83	5.553	5.553	0.000	96	274527	25.0	25.3	
69 2-Chloroethyl vinyl ether	63	5.761	5.761	0.000	93	136533	25.0	23.5	
71 cis-1,3-Dichloropropene	75	5.875	5.875	0.000	88	316288	25.0	25.6	
72 4-Methyl-2-pentanone (MIBK)	43	5.978	5.978	0.000	99	1024088	125.0	126.6	
73 Toluene	92	6.092	6.092	0.000	98	498155	25.0	25.8	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	96	297362	25.0	25.7	
77 Ethyl methacrylate	69	6.331	6.331	0.000	95	226021	25.0	25.1	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	94	136998	25.0	24.7	
79 Tetrachloroethene	166	6.496	6.496	0.000	95	237103	25.0	27.8	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	97	282399	25.0	25.2	
81 2-Hexanone	43	6.621	6.621	0.000	98	717785	125.0	124.9	
82 Chlorodibromomethane	129	6.755	6.755	0.000	90	218955	25.0	25.7	
83 Ethylene Dibromide	107	6.838	6.838	0.000	98	184800	25.0	25.3	
86 Chlorobenzene	112	7.191	7.191	0.000	93	565669	25.0	25.4	
88 Ethylbenzene	91	7.253	7.253	0.000	98	981634	25.0	26.1	
89 1,1,1,2-Tetrachloroethane	131	7.263	7.263	0.000	94	222444	25.0	25.8	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	391977	25.0	25.8	
91 o-Xylene	106	7.667	7.667	0.000	97	383936	25.0	26.1	
92 Styrene	104	7.688	7.688	0.000	96	656302	25.0	25.9	
93 Bromoform	173	7.885	7.885	0.000	95	130219	25.0	25.7	
95 Isopropylbenzene	105	7.947	7.947	0.000	96	1020884	25.0	26.7	
97 Bromobenzene	156	8.227	8.227	0.000	92	259305	25.0	26.2	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	96	207462	25.0	25.2	
99 N-Propylbenzene	91	8.279	8.279	0.000	98	1177627	25.0	26.7	
101 trans-1,4-Dichloro-2-buten	53	8.289	8.289	0.000	78	91872	25.0	25.5	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	93	71685	25.0	26.3	
105 2-Chlorotoluene	126	8.372	8.372	0.000	96	241129	25.0	26.9	
104 1,3,5-Trimethylbenzene	105	8.414	8.414	0.000	96	874995	25.0	26.2	
102 4-Chlorotoluene	91	8.455	8.455	0.000	98	731634	25.0	25.6	
106 tert-Butylbenzene	134	8.673	8.673	0.000	94	195507	25.0	26.5	
107 1,2,4-Trimethylbenzene	105	8.724	8.724	0.000	98	913413	25.0	26.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.849	8.849	0.000	95	1135868	25.0	27.6	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	991779	25.0	27.1	
110 1,3-Dichlorobenzene	146	8.984	8.984	0.000	98	507809	25.0	26.5	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	94	516027	25.0	26.2	
115 n-Butylbenzene	91	9.305	9.305	0.000	98	870579	25.0	26.5	
116 1,2-Dichlorobenzene	146	9.367	9.367	0.000	97	487613	25.0	26.5	
117 1,2-Dibromo-3-Chloropropan	75	10.041	10.041	0.000	83	42844	25.0	26.6	
119 1,2,4-Trichlorobenzene	180	10.693	10.693	0.000	95	353967	25.0	26.6	
120 Hexachlorobutadiene	225	10.787	10.787	0.000	95	176876	25.0	27.3	
121 Naphthalene	128	10.901	10.901	0.000	97	816037	25.0	25.8	
122 1,2,3-Trichlorobenzene	180	11.098	11.098	0.000	96	327765	25.0	26.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00118	Amount Added: 12.50	Units: uL	
GAS CORP mix_00260	Amount Added: 12.50	Units: uL	
T_8260_IS_00184	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_Surr_00165	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180116-68593.b\\T3861.D

Injection Date: 16-Jan-2018 08:39:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

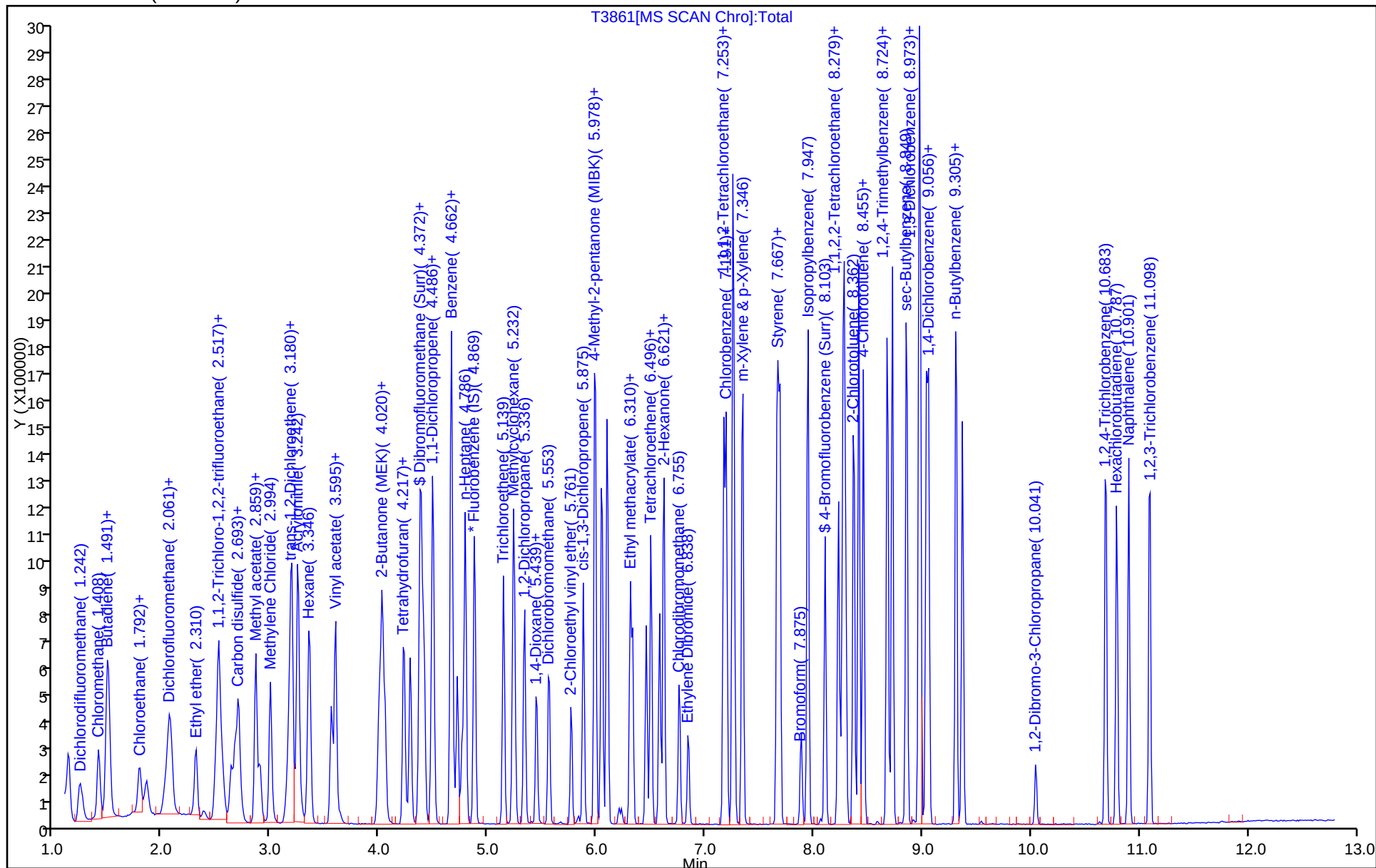
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3861.D

Injection Date: 16-Jan-2018 08:39:30

Instrument ID: HP5975T

Lims ID: CCVIS

Client ID:

Operator ID: RR

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 (0.25 mm)

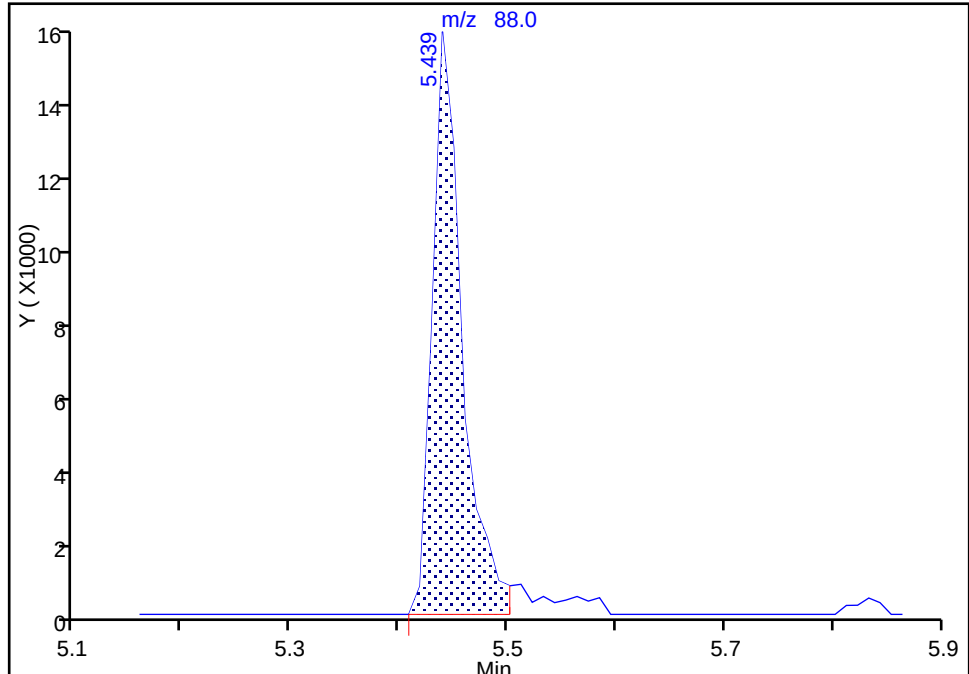
Detector: MS SCAN

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

Signal: 1

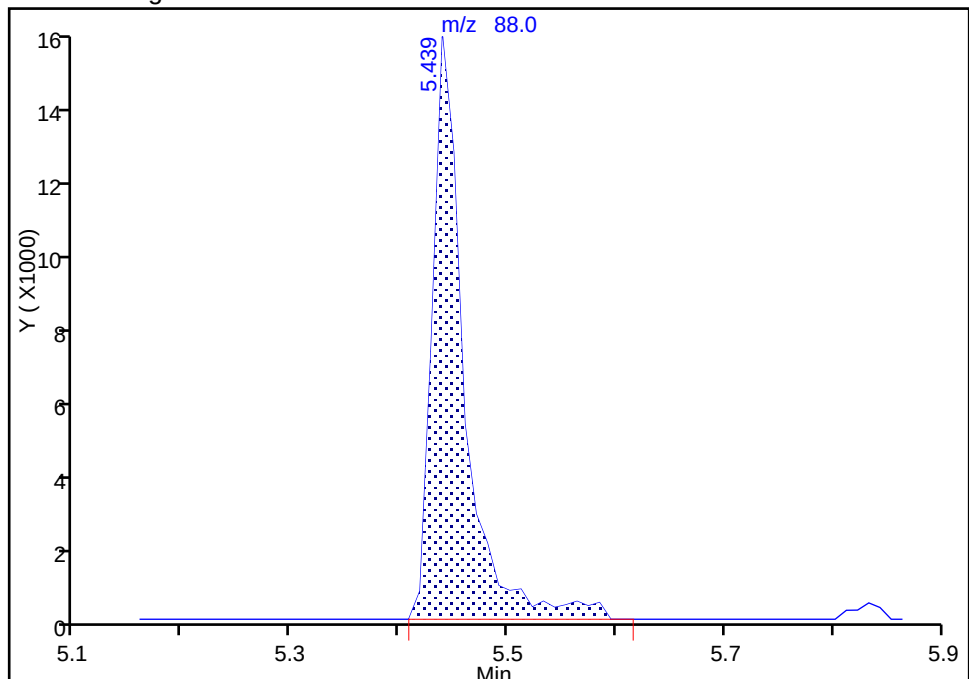
RT: 5.44
Area: 28891
Amount: 713.7112
Amount Units: ug/L

Processing Integration Results



RT: 5.44
Area: 31050
Amount: 767.0462
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 16-Jan-2018 08:56:39

Audit Action: Manually Integrated

Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1649.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 11-Jan-2018 13:46:30 ALS Bottle#: 2 Worklist Smp#: 4
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: bfb
Misc. Info.: 480-0068523-004
Operator ID: RR Instrument ID: HP5973C
Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Jan-2018 13:13:37 Calib Date: 11-Jan-2018 22:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: reiler

Date: 11-Jan-2018 14:01:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags

\$ 61 BFB	95	9.431	9.431	0.000	0	58551	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00067

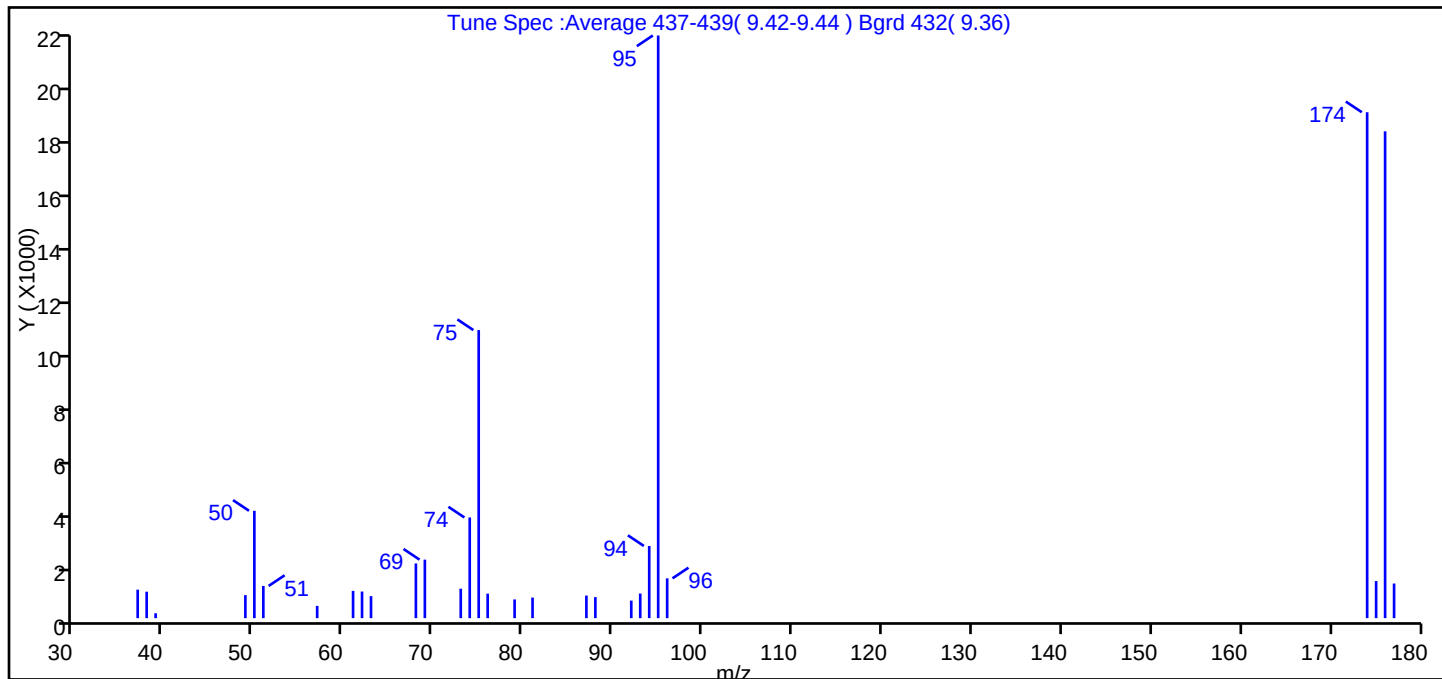
Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1649.D
Injection Date: 11-Jan-2018 13:46:30 Instrument ID: HP5973C
Lims ID: BFB
Client ID:
Operator ID: RR ALS Bottle#: 2 Worklist Smp#: 4
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.4
75	30 to 60% of m/z 95	49.4
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	86.8
175	5 to 9% of m/z 174	6.4 (7.3)
176	Greater than 95% but less than 101% of m/z 174	83.6 (96.2)
177	5 to 9% of m/z 176	5.9 (7.1)

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1649.D\C-8260.rslt\spectra.d
Injection Date: 11-Jan-2018 13:46:30
Spectrum: Tune Spec :Average 437-439(9.42-9.44) Bgrd 432(9.36)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 29

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1063	62.00	993	79.00	699	96.00	1485
38.00	987	63.00	822	81.00	767	174.00	18880
39.00	182	68.00	2041	87.00	842	175.00	1384
49.00	859	69.00	2183	88.00	785	176.00	18168
50.00	4006	73.00	1099	92.00	654	177.00	1292
51.00	1202	74.00	3757	93.00	918		
57.00	458	75.00	10750	94.00	2693		
61.00	1017	76.00	914	95.00	21744		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1711.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 16-Jan-2018 08:49:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: bfb
Misc. Info.: 480-0068592-002
Operator ID: RR Instrument ID: HP5973C
Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Jan-2018 09:05:12 Calib Date: 11-Jan-2018 22:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: reiler

Date: 16-Jan-2018 09:05:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags

\$ 61 BFB	95	9.431	9.431	0.000	0	39949	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00067

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1711.D

Injection Date: 16-Jan-2018 08:49:30

Instrument ID: HP5973C

Lims ID: BFB

Client ID:

Operator ID: RR

ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 uL

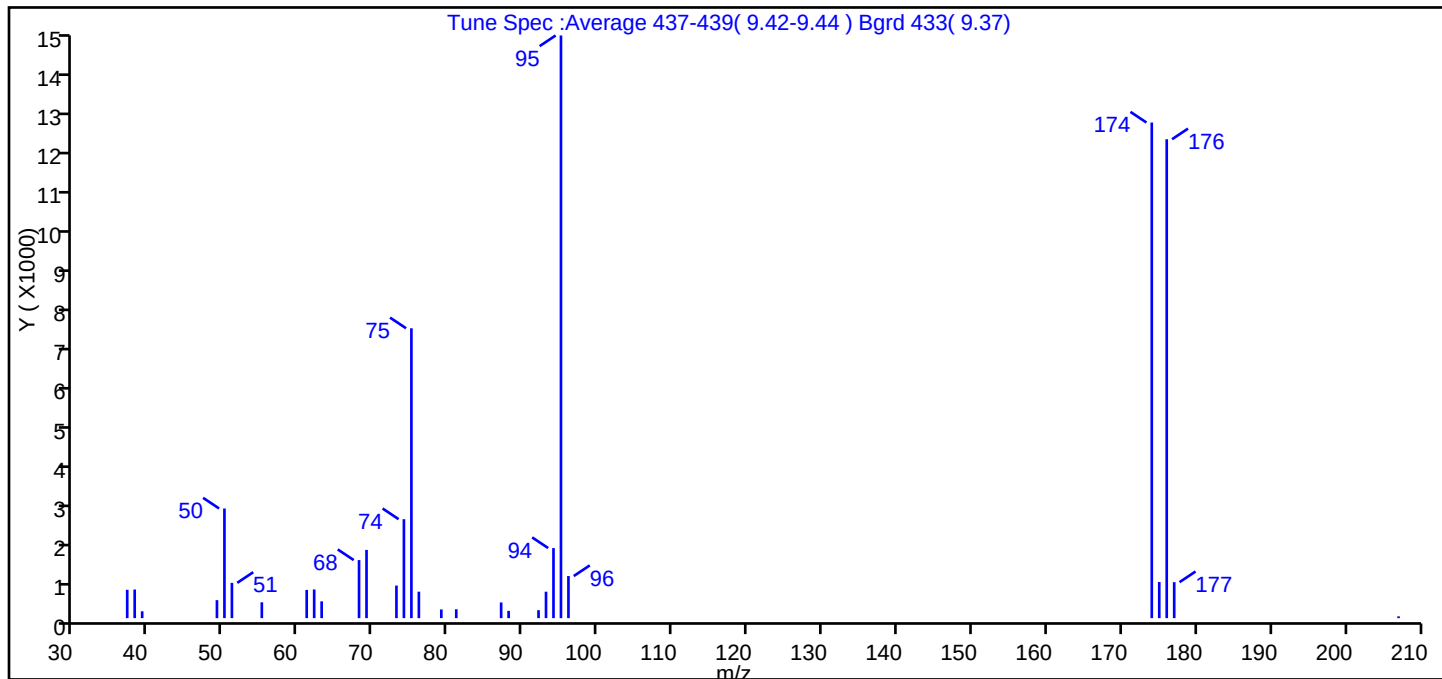
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.8
75	30 to 60% of m/z 95	49.7
96	5 to 9% of m/z 95	7.2
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	85.1
175	5 to 9% of m/z 174	6.2 (7.3)
176	Greater than 95% but less than 101% of m/z 174	82.2 (96.6)
177	5 to 9% of m/z 176	6.2 (7.5)

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1711.D\C-8260.rslt\spectra.d
Injection Date: 16-Jan-2018 08:49:30
Spectrum: Tune Spec :Average 437-439(9.42-9.44) Bgrd 433(9.37)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 30

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	717	62.00	726	79.00	220	96.00	1065
38.00	724	63.00	425	81.00	225	174.00	12538
39.00	173	68.00	1469	87.00	397	175.00	913
49.00	455	69.00	1726	88.00	184	176.00	12115
50.00	2774	73.00	824	92.00	202	177.00	910
51.00	893	74.00	2504	93.00	669	207.00	45
55.00	401	75.00	7333	94.00	1773		
61.00	714	76.00	669	95.00	14740		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1737.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 16-Jan-2018 20:05:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: bfb
Misc. Info.: 480-0068612-001
Operator ID: KN Instrument ID: HP5973C
Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Jan-2018 14:03:01 Calib Date: 11-Jan-2018 22:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: nowakk

Date: 16-Jan-2018 20:19:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags

\$ 61 BFB	95	9.099	9.099	0.000	0	71627	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00067

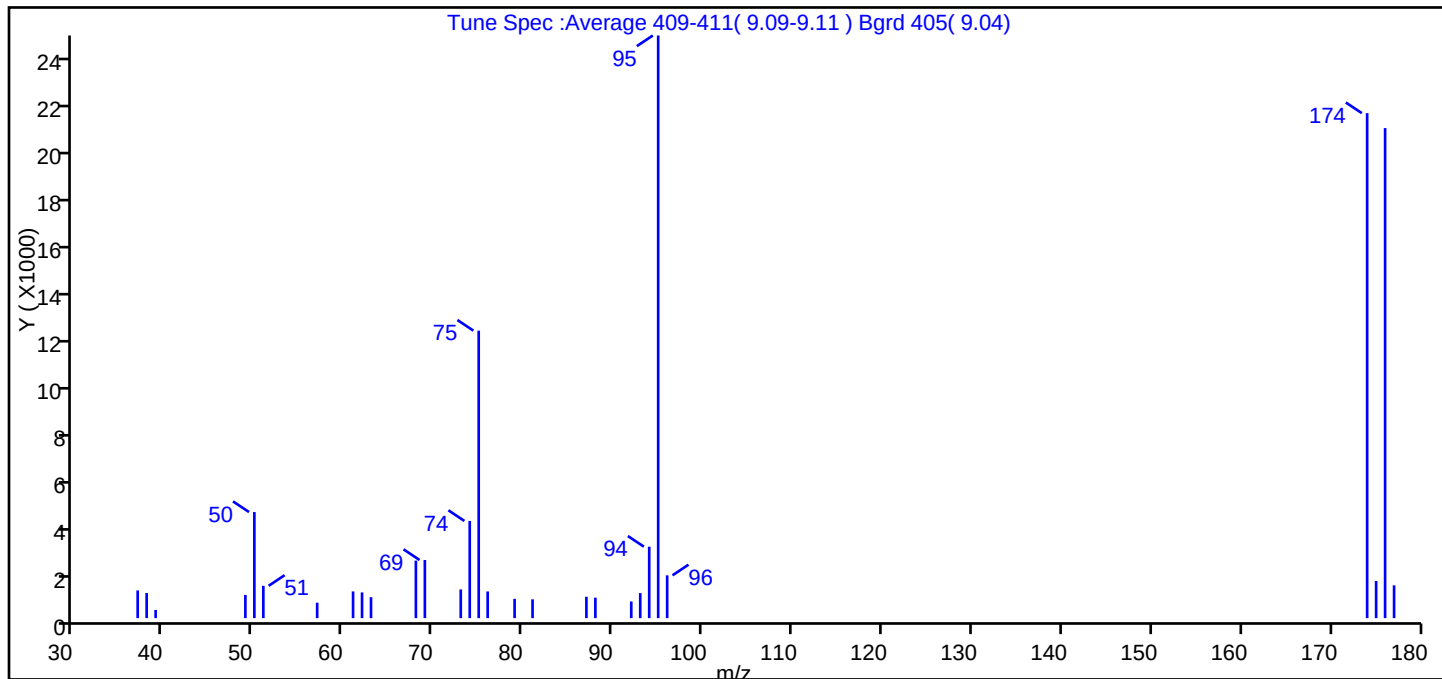
Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1737.D
Injection Date: 16-Jan-2018 20:05:30 Instrument ID: HP5973C
Lims ID: BFB
Client ID:
Operator ID: KN ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.2
75	30 to 60% of m/z 95	49.3
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	86.7
175	5 to 9% of m/z 174	6.4 (7.4)
176	Greater than 95% but less than 101% of m/z 174	84.1 (97.0)
177	5 to 9% of m/z 176	5.6 (6.7)

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1737.D\C-8260.rslt\spectra.d
Injection Date: 16-Jan-2018 20:05:30
Spectrum: Tune Spec :Average 409-411(9.09-9.11) Bgrd 405(9.04)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 29

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1187	62.00	1102	79.00	827	96.00	1834
38.00	1078	63.00	898	81.00	807	174.00	21640
39.00	352	68.00	2466	87.00	916	175.00	1594
49.00	994	69.00	2492	88.00	876	176.00	21000
50.00	4546	73.00	1231	92.00	714	177.00	1406
51.00	1385	74.00	4165	93.00	1075		
57.00	662	75.00	12320	94.00	3062		
61.00	1145	76.00	1143	95.00	24968		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94696P.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 05-Dec-2017 12:30:30 ALS Bottle#: 100 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: bfb
Misc. Info.: 480-0067727-005
Operator ID: RF/RB Instrument ID: HP5973P
Method: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Dec-2017 08:27:36 Calib Date: 05-Dec-2017 20:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK009

First Level Reviewer: baroner

Date: 06-Dec-2017 08:27:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags

\$ 21 BFB	95	7.621	7.621	0.000	0	119087	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00066

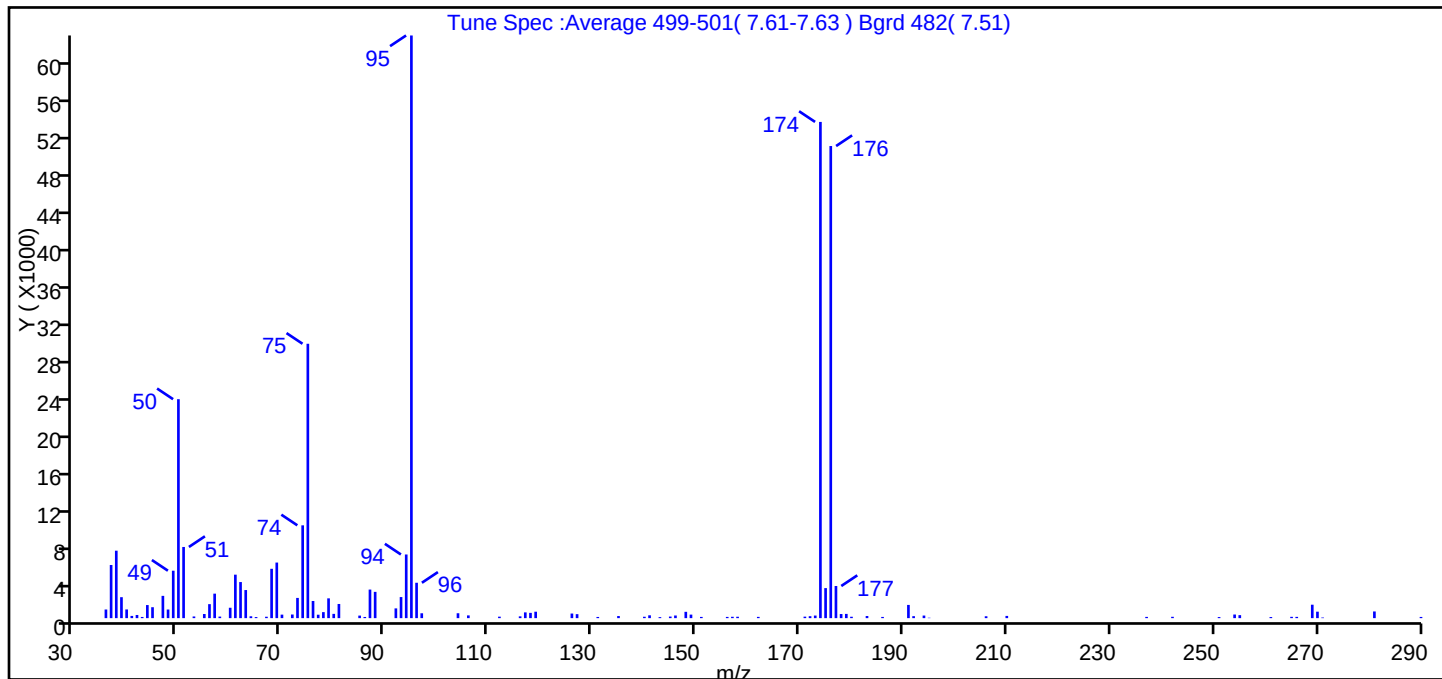
Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94696P.D
Injection Date: 05-Dec-2017 12:30:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: RF/RB ALS Bottle#: 100 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	37.6
75	30 to 60% of m/z 95	47.1
96	5 to 9% of m/z 95	6.1
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	85.2
175	5 to 9% of m/z 174	5.2 (6.1)
176	Greater than 95% but less than 101% of m/z 174	81.0 (95.1)
177	5 to 9% of m/z 176	5.5 (6.8)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94696P.D\P-8260H2O.rslt\spectra.d
Injection Date: 05-Dec-2017 12:30:30
Spectrum: Tune Spec :Average 499-501(7.61-7.63) Bgrd 482(7.51)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 104

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	932	67.00	152	112.00	160	176.00	50904
37.00	5730	68.00	5320	116.00	193	177.00	3466
38.00	7272	69.00	5993	117.00	621	178.00	444
39.00	2260	70.00	379	118.00	569	179.00	457
40.00	938	72.00	392	119.00	694	180.00	151
41.00	240	73.00	2180	126.00	496	183.00	230
42.00	341	74.00	10007	127.00	430	186.00	131
43.00	127	75.00	29584	131.00	128	191.00	1425
44.00	1411	76.00	1848	135.00	227	192.00	213
45.00	1178	77.00	370	140.00	150	194.00	279
47.00	2402	78.00	648	141.00	306	195.00	42
48.00	930	79.00	2134	143.00	109	206.00	203
49.00	5115	80.00	461	145.00	171	210.00	240
50.00	23608	81.00	1527	146.00	285	237.00	135
51.00	7674	85.00	275	148.00	682	242.00	145
53.00	180	86.00	127	149.00	381	251.00	117
55.00	445	87.00	3081	151.00	133	254.00	391
56.00	1509	88.00	2834	156.00	133	255.00	324
57.00	2641	92.00	1052	157.00	147	261.00	118
58.00	167	93.00	2273	158.00	150	265.00	142
60.00	1120	94.00	6864	162.00	136	266.00	137
61.00	4688	95.00	62824	171.00	161	269.00	1449
62.00	3891	96.00	3815	172.00	210	270.00	696
63.00	3029	97.00	525	173.00	279	271.00	67
64.00	200	104.00	528	174.00	53504	281.00	721
65.00	117	106.00	296	175.00	3239	290.00	130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95542P.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 15-Jan-2018 09:05:30 ALS Bottle#: 100 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: bfb
Misc. Info.: 480-0068571-002
Operator ID: RB Instrument ID: HP5973P
Method: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\P-8260H2O.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jan-2018 09:11:07 Calib Date: 05-Dec-2017 20:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: baroner

Date: 15-Jan-2018 09:11:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags

\$ 21 BFB	95	7.621	7.621	0.000	0	111127	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00067

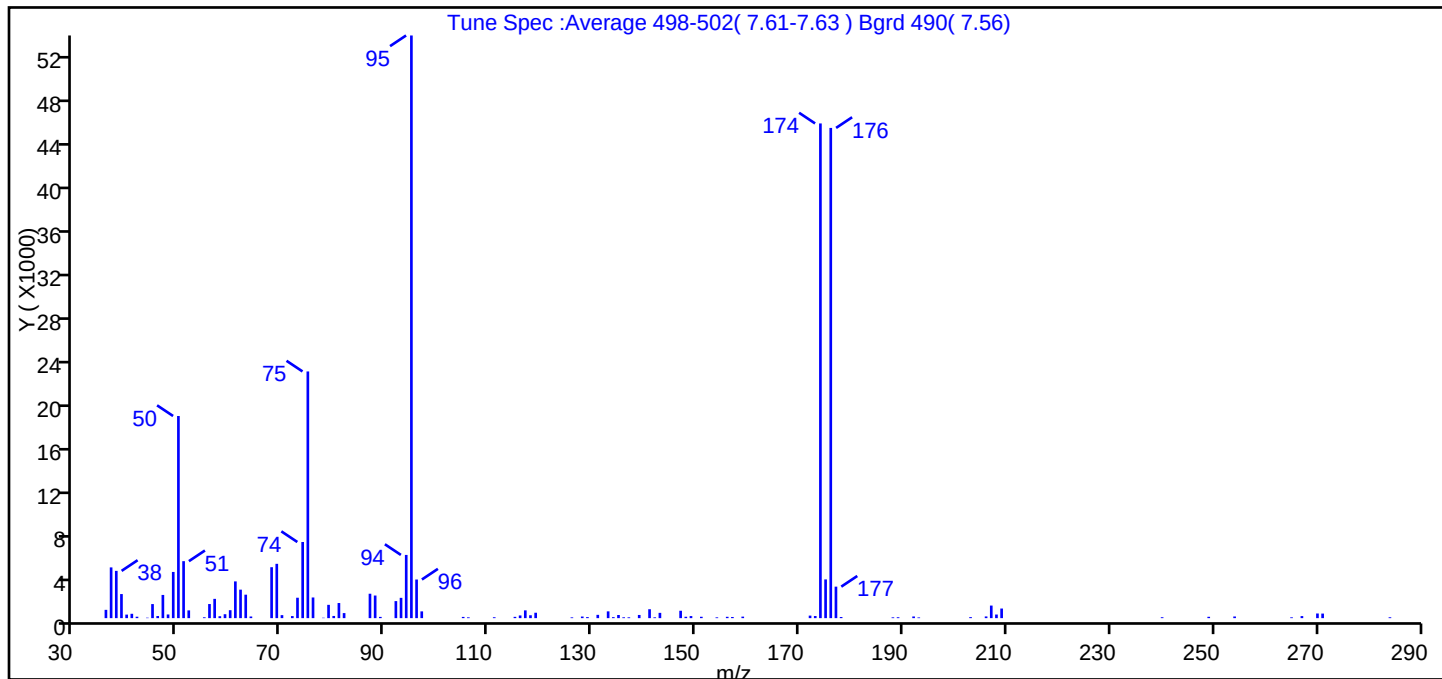
Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95542P.D
Injection Date: 15-Jan-2018 09:05:30 Instrument ID: HP5973P
Lims ID: BFB
Client ID:
Operator ID: RB ALS Bottle#: 100 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: P-8260H2O Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	34.7
75	30 to 60% of m/z 95	42.3
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.4 (0.4)
174	50 to 120% of m/z 95	84.9
175	5 to 9% of m/z 174	6.6 (7.8)
176	Greater than 95% but less than 101% of m/z 174	84.1 (99.1)
177	5 to 9% of m/z 176	5.4 (6.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95542P.D\P-8260H2O.rslt\spectra.d
Injection Date: 15-Jan-2018 09:05:30
Spectrum: Tune Spec :Average 498-502(7.61-7.63) Bgrd 490(7.56)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 101

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	757	68.00	4646	116.00	246	173.00	193
37.00	4629	69.00	4955	117.00	709	174.00	45128
38.00	4312	70.00	275	118.00	263	175.00	3533
39.00	2197	72.00	188	119.00	493	176.00	44720
40.00	323	73.00	1862	126.00	70	177.00	2873
41.00	397	74.00	6945	128.00	146	178.00	102
42.00	130	75.00	22504	129.00	95	188.00	72
44.00	41	76.00	1885	131.00	301	189.00	81
45.00	1283	78.00	37	133.00	619	192.00	152
46.00	192	79.00	1214	134.00	90	193.00	64
47.00	2117	80.00	199	135.00	287	203.00	92
48.00	336	81.00	1379	136.00	77	206.00	155
49.00	4214	82.00	461	137.00	75	207.00	1147
50.00	18440	87.00	2227	139.00	291	208.00	330
51.00	5198	88.00	2063	141.00	813	209.00	877
52.00	708	89.00	114	142.00	74	240.00	83
55.00	78	92.00	1554	143.00	482	249.00	123
56.00	1287	93.00	1852	147.00	674	254.00	151
57.00	1759	94.00	5767	148.00	126	265.00	74
58.00	176	95.00	53152	149.00	189	267.00	188
59.00	358	96.00	3524	151.00	126	270.00	424
60.00	725	97.00	618	154.00	73	271.00	417
61.00	3352	105.00	112	156.00	122	284.00	79
62.00	2599	106.00	73	157.00	104		
63.00	2140	111.00	81	159.00	139		
64.00	150	115.00	118	172.00	231		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3804.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 11-Jan-2018 14:20:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0068520-006
 Operator ID: RR Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Jan-2018 10:08:51 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: reiler

Date: 11-Jan-2018 14:29:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
\$ 5 BFB	95	5.565	5.565	0.000	86	202634	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

BFB_WRK_00067

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3804.D

Injection Date: 11-Jan-2018 14:20:30

Instrument ID: HP5975T

Lims ID: BFB

Client ID:

Operator ID: RR

ALS Bottle#: 6

Worklist Smp#: 6

Injection Vol: 1.0 uL

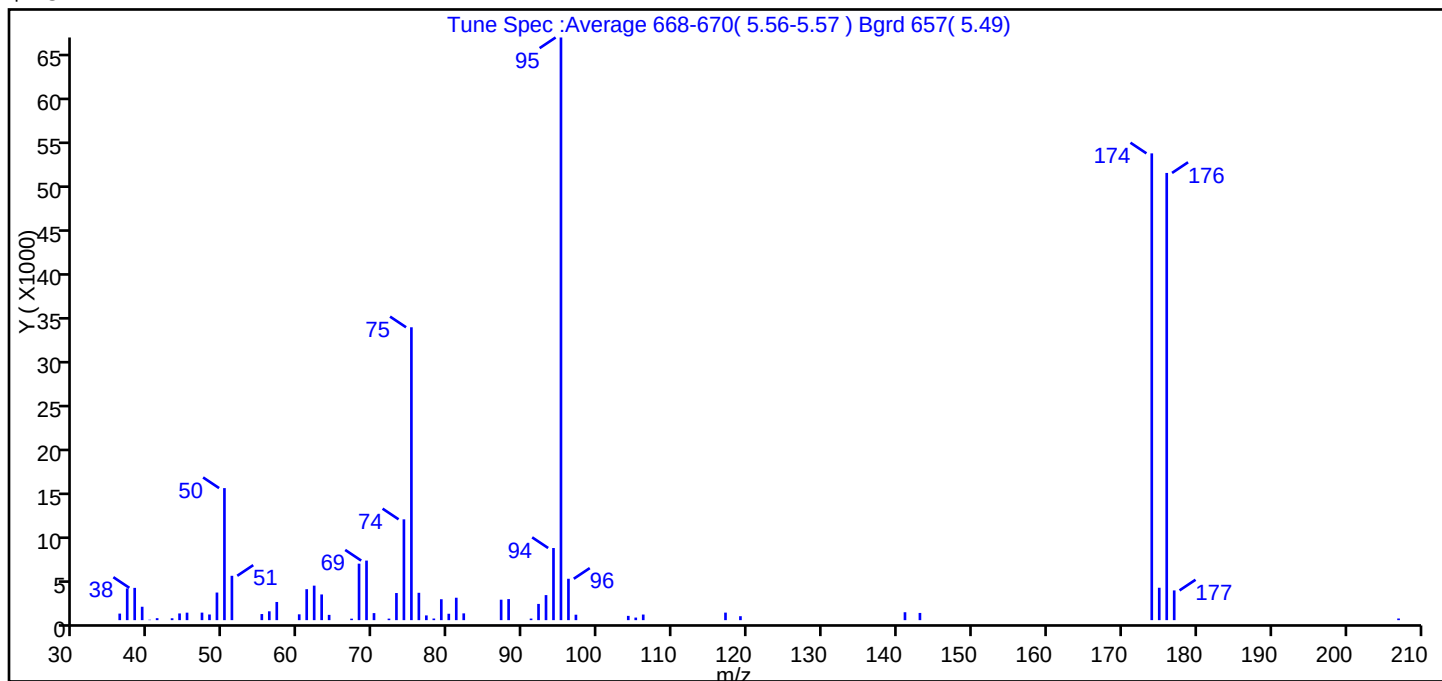
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.7
75	30 to 60% of m/z 95	50.3
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	80.1
175	5 to 9% of m/z 174	5.6 (6.9)
176	Greater than 95% but less than 101% of m/z 174	76.8 (95.8)
177	5 to 9% of m/z 176	5.1 (6.6)

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3804.D\T-8260.rslt\spectra.d
Injection Date: 11-Jan-2018 14:20:30
Spectrum: Tune Spec :Average 668-670(5.56-5.57) Bgrd 657(5.49)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 58

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	750	56.00	1011	76.00	3131	97.00	623
37.00	3629	57.00	2080	77.00	542	104.00	490
38.00	3694	60.00	667	78.00	184	105.00	294
39.00	1533	61.00	3542	79.00	2393	106.00	642
40.00	47	62.00	3949	80.00	732	117.00	861
41.00	225	63.00	2941	81.00	2566	119.00	452
43.00	214	64.00	603	82.00	776	141.00	906
44.00	767	67.00	169	87.00	2340	143.00	825
45.00	856	68.00	6465	88.00	2408	174.00	53424
47.00	862	69.00	6816	91.00	179	175.00	3708
48.00	647	70.00	805	92.00	1858	176.00	51184
49.00	3159	72.00	174	93.00	2866	177.00	3403
50.00	15112	73.00	3103	94.00	8255	207.00	188
51.00	5076	74.00	11539	95.00	66688		
55.00	698	75.00	33520	96.00	4737		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3831.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 15-Jan-2018 13:14:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Operator ID: RR Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 09:31:58 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: reiler

Date: 16-Jan-2018 09:31:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
\$ 5 BFB	95	5.565	5.565	0.000	86	235503	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

BFB_WRK_00067

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3831.D

Injection Date: 15-Jan-2018 13:14:30

Instrument ID: HP5975T

Lims ID: BFB

Client ID:

Operator ID: RR

ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 uL

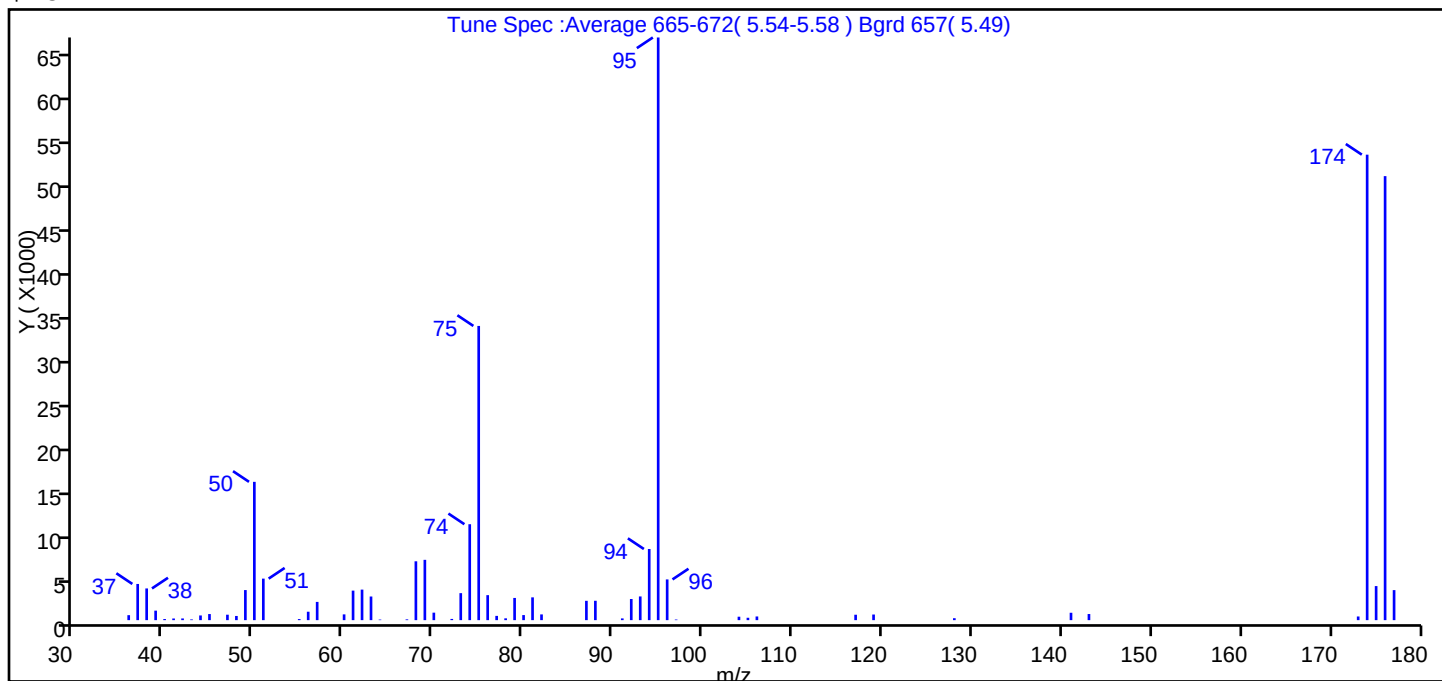
Dil. Factor: 1.0000

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	23.7
75	30 to 60% of m/z 95	50.5
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	0.6 (0.8)
174	50 to 120% of m/z 95	79.9
175	5 to 9% of m/z 174	5.8 (7.3)
176	Greater than 95% but less than 101% of m/z 174	76.2 (95.4)
177	5 to 9% of m/z 176	5.2 (6.8)

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3831.D\T-8260.rslt\spectra.d
Injection Date: 15-Jan-2018 13:14:30
Spectrum: Tune Spec :Average 665-672(5.54-5.58) Bgrd 657(5.49)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	567	55.00	122	75.00	33560	96.00	4645
37.00	4128	56.00	960	76.00	2851	97.00	69
38.00	3616	57.00	2080	77.00	485	104.00	391
39.00	1084	60.00	658	78.00	207	105.00	271
40.00	127	61.00	3368	79.00	2532	106.00	419
41.00	188	62.00	3483	80.00	578	117.00	617
42.00	194	63.00	2696	81.00	2599	119.00	642
43.00	82	64.00	65	82.00	655	128.00	221
44.00	535	67.00	88	87.00	2204	141.00	842
45.00	695	68.00	6713	88.00	2210	143.00	698
47.00	620	69.00	6879	91.00	198	173.00	418
48.00	476	70.00	854	92.00	2409	174.00	53096
49.00	3430	72.00	138	93.00	2703	175.00	3886
50.00	15776	73.00	3080	94.00	8114	176.00	50648
51.00	4736	74.00	10942	95.00	66464	177.00	3425

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3860.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 16-Jan-2018 08:14:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0068593-002
 Operator ID: RR Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 08:24:23 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: reiler

Date: 16-Jan-2018 08:24:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags

\$ 5 BFB	95	5.559	5.559	0.000	86	202274	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

BFB_WRK_00067

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3860.D

Injection Date: 16-Jan-2018 08:14:30

Instrument ID: HP5975T

Lims ID: BFB

Client ID:

Operator ID: RR

ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 uL

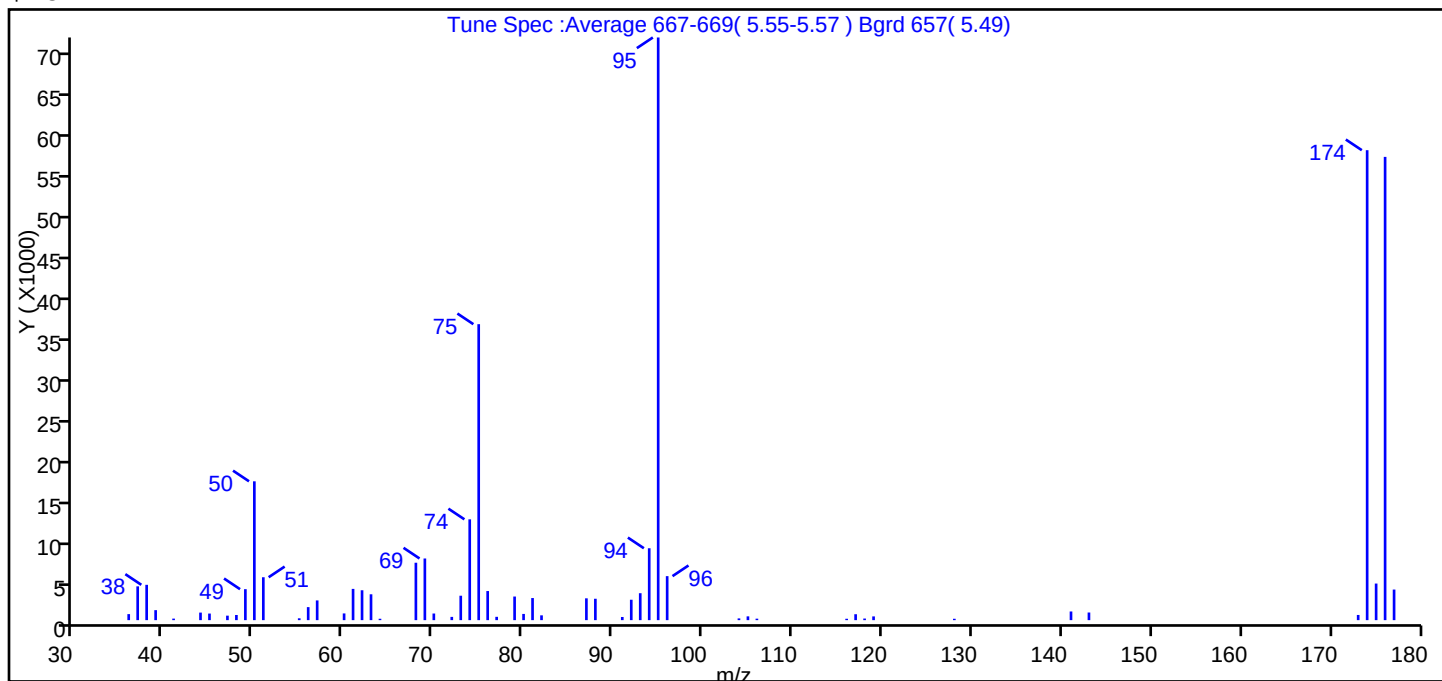
Dil. Factor: 1.0000

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	23.8
75	30 to 60% of m/z 95	50.8
96	5 to 9% of m/z 95	7.6
173	Less than 2% of m/z 174	0.9 (1.1)
174	50 to 120% of m/z 95	80.7
175	5 to 9% of m/z 174	6.3 (7.8)
176	Greater than 95% but less than 101% of m/z 174	79.5 (98.6)
177	5 to 9% of m/z 176	5.2 (6.6)

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3860.D\T-8260.rslt\spectra.d
Injection Date: 16-Jan-2018 08:14:30
Spectrum: Tune Spec :Average 667-669(5.55-5.57) Bgrd 657(5.49)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 56

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	735	57.00	2405	77.00	405	105.00	462
37.00	4121	60.00	818	79.00	2879	106.00	179
38.00	4307	61.00	3811	80.00	758	116.00	168
39.00	1218	62.00	3644	81.00	2694	117.00	722
41.00	187	63.00	3153	82.00	586	118.00	196
44.00	921	64.00	169	87.00	2660	119.00	456
45.00	804	68.00	7001	88.00	2608	128.00	168
47.00	547	69.00	7518	91.00	384	141.00	1057
48.00	628	70.00	808	92.00	2488	143.00	931
49.00	3776	72.00	396	93.00	3285	173.00	632
50.00	16928	73.00	2978	94.00	8766	174.00	57304
51.00	5231	74.00	12292	95.00	71048	175.00	4462
55.00	225	75.00	36088	96.00	5366	176.00	56488
56.00	1588	76.00	3548	104.00	212	177.00	3730

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-395765/7

Matrix: Water Lab File ID: 95547P.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 11:21

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 395765 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-395765/7
 Matrix: Water Lab File ID: 95547P.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 11:21
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 395765 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
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
2037-26-5	Toluene-d8 (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	110		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95547P.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 15-Jan-2018 11:21:30 ALS Bottle#: 100 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: mb
 Misc. Info.: 480-0068571-007
 Operator ID: RB Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Jan-2018 11:39:02 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK014

First Level Reviewer: baroner

Date: 15-Jan-2018 11:39:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.422	10.421	0.001	97	159090	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.376	14.376	0.000	92	395457	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.333	17.332	0.000	95	469252	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.619	9.630	-0.005	91	239622	25.0	27.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.075	10.075	0.000	0	143473	25.0	25.2	
\$ 5 Toluene-d8 (Surr)	98	12.411	12.417	-0.006	95	866948	25.0	23.6	
\$ 6 4-Bromofluorobenzene (Surr	174	15.872	15.872	0.000	92	308606	25.0	23.6	
10 Dichlorodifluoromethane	85		4.326					ND	
15 Chlorodifluoromethane	51		4.362					ND	
17 Vinyl chloride	62		4.946					ND	
144 Butadiene	54		5.001					ND	
12 Bromomethane	94		5.585					ND	
13 Chloroethane	64		5.713					ND	
19 Dichlorofluoromethane	67		6.017					ND	
14 Trichlorofluoromethane	101		6.065					ND	
141 Ethanol	45	6.291	6.307	-0.012	1	1274		5.35	
20 Ethyl ether	59		6.388					ND	
26 Propene oxide	58		6.564					ND	
22 Acrolein	56		6.692					ND	
16 1,1,2-Trichloro-1,2,2-trif	101		6.735					ND	
25 1,1-Dichloroethene	96		6.820					ND	
24 Acetone	43		6.881					ND	
23 Isopropyl alcohol	45		6.990					ND	
18 Iodomethane	142		7.124					ND	
30 Methyl acetate	43		7.246					ND	
29 Acetonitrile	40		7.319					ND	
31 Methylene Chloride	84		7.471					ND	
32 Methyl tert-butyl ether	73		7.684					ND	
35 trans-1,2-Dichloroethene	96		7.769					ND	
34 Acrylonitrile	53		7.805					ND	
36 Hexane	57		7.970					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Isopropyl ether	45		8.195					ND	
38 Vinyl acetate	43		8.268					ND	
39 1,1-Dimethoxyethane	75		8.323					ND	
40 1,1-Dichloroethane	63		8.335					ND	
41 2-Chloro-1,3-butadiene	53		8.402					ND	
42 Tert-butyl ethyl ether	59		8.645					ND	
46 Ethyl acetate	43		8.974					ND	
44 2-Butanone (MEK)	43		9.010					ND	
45 2,2-Dichloropropane	77		9.022					ND	
43 cis-1,2-Dichloroethene	96		9.040					ND	
47 Propionitrile	54		9.180					ND	
48 Methacrylonitrile	41		9.326					ND	
50 Chlorobromomethane	128		9.381					ND	
51 Tetrahydrofuran	42		9.387					ND	
49 Chloroform	83		9.411					ND	
52 1,1,1-Trichloroethane	97		9.637					ND	
66 2-Methylthiophene	97		9.687					ND	
54 Cyclohexane	56		9.691					ND	
56 1,1-Dichloropropene	75		9.819					ND	
55 Carbon tetrachloride	117		9.837					ND	
53 Isobutyl alcohol	43		9.837					ND	
67 3-Methylthiophene	97		9.894					ND	
140 t-Amyl alcohol	59		9.953					ND	
146 Isooctane	57		10.008					ND	
58 Tert-amyl methyl ether	73		10.075					ND	
57 Benzene	78		10.117					ND	
59 n-Heptane	43		10.178					ND	
60 1,2-Dichloroethane	62		10.178					ND	
1 1,4-Difluorobenzene	114		10.494					ND	
61 n-Butanol	56		10.640					ND	
145 Ethyl acrylate	55		10.853					ND	
62 Trichloroethene	95		10.878					ND	
64 Methylcyclohexane	83		11.072					ND	
65 Methyl methacrylate	41		11.158					ND	
63 1,2-Dichloropropane	63		11.218					ND	
68 1,4-Dioxane	88		11.328					ND	
69 Dibromomethane	93		11.425					ND	
70 Dichlorobromomethane	83		11.553					ND	
71 2-Chloroethyl vinyl ether	63		11.802					ND	
72 2-Nitropropane	43		11.857					ND	
74 Epichlorohydrin	57		12.009					ND	
73 cis-1,3-Dichloropropene	75		12.088					ND	
75 4-Methyl-2-pentanone (MIBK)	43		12.192					ND	
76 Toluene	92		12.508					ND	
77 Ethyl methacrylate	69		12.727					ND	
78 trans-1,3-Dichloropropene	75		12.800					ND	
79 1,1,2-Trichloroethane	83		13.086					ND	
80 Tetrachloroethene	166		13.232					ND	
83 2-Hexanone	43		13.275					ND	
82 1,3-Dichloropropane	76		13.323					ND	
149 n-Butyl acetate	43		13.329					ND	
81 Chlorodibromomethane	129		13.664					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
85 Ethylene Dibromide	107		13.859					ND	
84 3-Chlorobenzotrifluoride	180		14.193					ND	
139 1-Chlorohexane	55		14.212					ND	
86 4-Chlorobenzotrifluoride	180		14.266					ND	
87 Chlorobenzene	112		14.418					ND	
89 Ethylbenzene	91		14.461					ND	
88 1,1,1,2-Tetrachloroethane	131		14.497					ND	
90 m-Xylene & p-Xylene	106		14.595					ND	
94 Styrene	104		15.173					ND	
91 2-Chlorobenzotrifluoride	180		15.453					ND	
92 Bromoform	173		15.562					ND	
95 Isopropylbenzene	105		15.574					ND	
96 Cyclohexanone	55		15.884					ND	
97 1,1,2,2-Tetrachloroethane	83		16.043					ND	
98 trans-1,4-Dichloro-2-buten	53		16.097					ND	
99 N-Propylbenzene	91		16.097					ND	
100 Bromobenzene	156		16.122					ND	
101 1,2,3-Trichloropropane	110		16.140					ND	
103 2-Chlorotoluene	126		16.304					ND	
107 1,2,4-Trimethylbenzene	105		16.791					ND	
108 Pentachloroethane	167		16.870					ND	
109 sec-Butylbenzene	105		16.992					ND	
110 1,3-Dichlorobenzene	146		17.259					ND	
111 1,4-Dichlorobenzene	146		17.363					ND	
114 Dicyclopentadiene	66		17.363					ND	
143 Benzyl chloride	126		17.527					ND	
115 n-Butylbenzene	91		17.655					ND	
116 1,2-Dichlorobenzene	146		17.862					ND	
117 1,2-Dibromo-3-Chloropropan	75		18.914					ND	
118 1,3,5-Trichlorobenzene	180		19.084					ND	
120 Hexachlorobutadiene	225		20.131					ND	
121 Naphthalene	128		20.459					ND	
122 1,2,3-Trichlorobenzene	180		20.843					ND	
142 2-Methylnaphthalene	142		22.418					ND	
138 Ethylene oxide TIC	1		0.000					ND	
136 Propene oxide TIC	1		0.000					ND	
137 1-Bromopropane TIC	1		0.000					ND	
135 Pentachloroethane TIC	1		0.000					ND	
134 Halothane	1		0.000					ND	
S 123 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
T 150 1-Chloro-1-fluoroethane TI	47		5.300					ND	
T 131 1-Bromopropane	1		0.000					ND	
T 132 tert-amyl alcohol TIC	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 133 Aziridine TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	201		0.000					ND	
T 130 Bromoethane 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

T 127 Ethanol TIC

45

0.000

ND

Reagents:

P 8260 IS_00280

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr._00261

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95547P.D

Injection Date: 15-Jan-2018 11:21:30

Instrument ID: HP5973P

Operator ID: RB

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

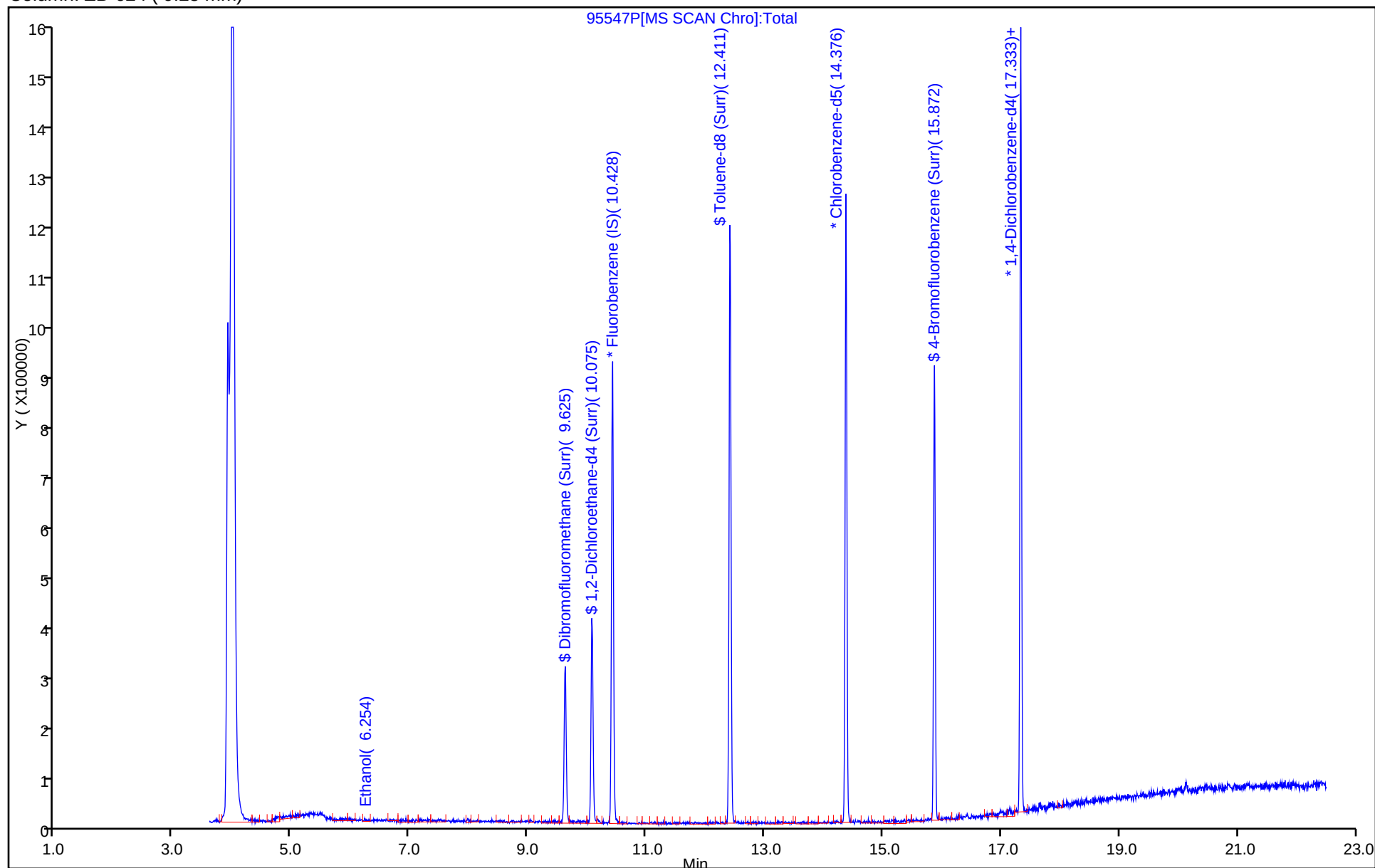
Dil. Factor: 1.0000

ALS Bottle#: 100

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-395851/8

Matrix: Water Lab File ID: T3837.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 15:36

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 395851 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-395851/8
 Matrix: Water Lab File ID: T3837.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 15:36
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 395851 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
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3837.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 15-Jan-2018 15:36:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: mb
 Misc. Info.: 480-0068583-008
 Operator ID: RR Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 09:46:49 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: reiler

Date: 15-Jan-2018 15:58:44

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	4.869	0.000	98	146863	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	88	593260	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	96	327130	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.403	4.403	0.000	92	185758	25.0	24.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.652	0.010	0	230419	25.0	24.6	
\$ 6 Toluene-d8 (Surr)	98	6.040	6.040	0.000	95	666445	25.0	24.9	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.000	88	212767	25.0	24.6	
11 Dichlorodifluoromethane	85		1.232					ND	
12 Chlorodifluoromethane	51		1.253					ND	
13 Chloromethane	50		1.398					ND	
14 Vinyl chloride	62		1.481					ND	
151 Butadiene	54		1.491					ND	
15 Bromomethane	94		1.781					ND	
16 Chloroethane	64		1.843					ND	
17 Trichlorofluoromethane	101		2.051					ND	
18 Dichlorofluoromethane	67		2.061					ND	
19 Ethyl ether	59		2.299					ND	
148 Ethanol	45		2.331					ND	
84 Propene oxide	58		2.393					ND	
21 Acrolein	56		2.476					ND	
22 1,1-Dichloroethene	96		2.507					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.517					ND	
23 Acetone	43		2.621					ND	
24 Iodomethane	142		2.662					ND	
26 Isopropyl alcohol	45		2.807					ND	
27 3-Chloro-1-propene	41		2.849					ND	
28 Methyl acetate	43		2.890					ND	
29 Acetonitrile	40		2.921					ND	
31 2-Methyl-2-propanol	59		3.139					ND	
33 Methyl tert-butyl ether	73		3.170					ND	
32 trans-1,2-Dichloroethene	96		3.180					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Acrylonitrile	53	3.242	3.242	0.000	33	705		0.2413	
35 Hexane	57		3.346					ND	
36 1,1-Dichloroethane	63		3.553					ND	
37 Isopropyl ether	45		3.553					ND	
39 Vinyl acetate	43		3.584					ND	
38 2-Chloro-1,3-butadiene	53		3.595					ND	
139 Halothane	117		3.595					ND	
40 1,1-Dimethoxyethane	75		3.626					ND	
41 Tert-butyl ethyl ether	59		3.844					ND	
42 2,2-Dichloropropane	77		3.999					ND	
43 cis-1,2-Dichloroethene	96		4.020					ND	
44 2-Butanone (MEK)	43		4.040					ND	
45 Ethyl acetate	43		4.072					ND	
46 Propionitrile	54		4.144					ND	
47 Chlorobromomethane	128		4.217					ND	
48 Tetrahydrofuran	42		4.227					ND	
49 Methacrylonitrile	41		4.227					ND	
50 Chloroform	83		4.279					ND	
51 1,1,1-Trichloroethane	97		4.372					ND	
52 Cyclohexane	56		4.372					ND	
54 1,1-Dichloropropene	75		4.486					ND	
53 Carbon tetrachloride	117		4.486					ND	
152 Isooctane	57		4.641					ND	
55 Benzene	78		4.652					ND	
56 Isobutyl alcohol	43		4.662					ND	
57 1,2-Dichloroethane	62		4.714					ND	
58 Tert-amyl methyl ether	73		4.714					ND	
147 t-Amyl alcohol	59		4.714					ND	
59 n-Heptane	43		4.787					ND	
1 1,4-Difluorobenzene	114		4.952					ND	
141 2,4,4-Trimethyl-1-pentene	55		5.046					ND	
60 Trichloroethene	95		5.139					ND	
61 n-Butanol	56		5.160					ND	
62 Methylcyclohexane	83		5.232					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.232					ND	
142 Ethyl acrylate	55		5.232					ND	
63 1,2-Dichloropropane	63		5.336					ND	
64 Methyl methacrylate	41		5.398					ND	
66 1,4-Dioxane	88		5.439					ND	
65 Dibromomethane	93		5.439					ND	
67 Dichlorobromomethane	83		5.553					ND	
68 2-Nitropropane	43		5.750					ND	M
69 2-Chloroethyl vinyl ether	63		5.761					ND	
70 Epichlorohydrin	57		5.844					ND	
71 cis-1,3-Dichloropropene	75		5.875					ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.978					ND	
74 2-Methylthiophene	97		6.206					ND	
75 trans-1,3-Dichloropropene	75		6.310					ND	
77 Ethyl methacrylate	69		6.331					ND	
76 3-Methylthiophene	97		6.331					ND	
78 1,1,2-Trichloroethane	83		6.455					ND	
79 Tetrachloroethene	166		6.496					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 1,3-Dichloropropane	76		6.579					ND	
81 2-Hexanone	43		6.621					ND	
155 n-Butyl acetate	43		6.693					ND	
82 Chlorodibromomethane	129		6.755					ND	
83 Ethylene Dibromide	107		6.838					ND	
146 1-Chlorohexane	55		7.139					ND	
85 3-Chlorobenzotrifluoride	180		7.149					ND	
86 Chlorobenzene	112		7.191					ND	
87 4-Chlorobenzotrifluoride	180		7.201					ND	
88 Ethylbenzene	91		7.253					ND	
89 1,1,1,2-Tetrachloroethane	131		7.263					ND	
90 m-Xylene & p-Xylene	106		7.346					ND	
92 Styrene	104		7.688					ND	
93 Bromoform	173		7.885					ND	
94 2-Chlorobenzotrifluoride	180		7.885					ND	
95 Isopropylbenzene	105		7.947					ND	
96 Cyclohexanone	55		8.092					ND	
97 Bromobenzene	156		8.227					ND	
98 1,1,2,2-Tetrachloroethane	83		8.258					ND	
99 N-Propylbenzene	91		8.279					ND	
101 trans-1,4-Dichloro-2-buten	53		8.289					ND	
100 1,2,3-Trichloropropane	110		8.289					ND	
105 2-Chlorotoluene	126		8.372					ND	
104 1,3,5-Trimethylbenzene	105		8.414					ND	
103 3-Chlorotoluene	126		8.414					ND	
102 4-Chlorotoluene	91		8.455					ND	
106 tert-Butylbenzene	134		8.673					ND	
107 1,2,4-Trimethylbenzene	105		8.724					ND	
108 Pentachloroethane	167		8.735					ND	
109 sec-Butylbenzene	105		8.849					ND	
111 4-Isopropyltoluene	119		8.973					ND	
112 Dicyclopentadiene	66		9.035					ND	M
113 1,4-Dichlorobenzene	146		9.056					ND	
114 1,2,3-Trimethylbenzene	105		9.077					ND	
150 Benzyl chloride	126		9.180					ND	
115 n-Butylbenzene	91		9.305					ND	
116 1,2-Dichlorobenzene	146		9.367					ND	
117 1,2-Dibromo-3-Chloropropan	75		10.041					ND	
118 1,3,5-Trichlorobenzene	180		10.165					ND	
120 Hexachlorobutadiene	225		10.787					ND	
121 Naphthalene	128		10.901					ND	
149 2-Methylnaphthalene	142	11.761	11.761	0.000	93	3204		0.1349	
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 124 1,2-Dichloroethene, Total	1		30.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47		1.500					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 129 Aziridine TIC	1		0.000					ND	
T 131 tert-amyl alcohol TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 10 Ethylene oxide	1		0.000					ND	
T 133 Pentachloroethane TIC	1		0.000					ND	
T 134 1-Bromopropane	1		0.000					ND	
T 132 bis(chloromethyl)ether TIC	1		0.000					ND	
T 127 Ethanol TIC	1		0.000					ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

T_8260_IS_00184	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_Surr_00165	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 16-Jan-2018 09:47:06

Chrom Revision: 2.2 08-Dec-2017 11:41:26

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3837.D

Injection Date: 15-Jan-2018 15:36:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: MB

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

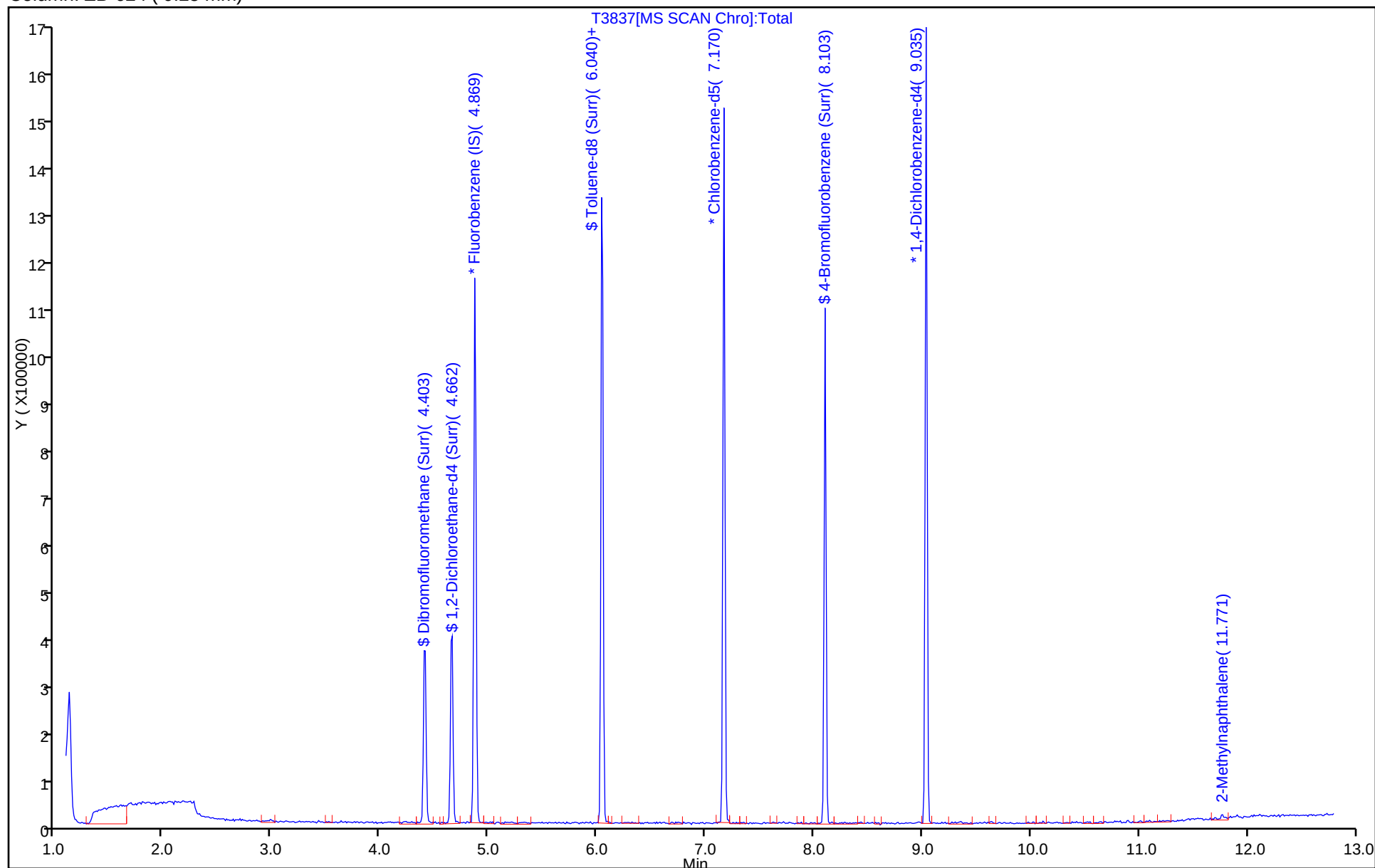
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-395910/8

Matrix: Water Lab File ID: C1716.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 10:58

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 395910 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-395910/8
 Matrix: Water Lab File ID: C1716.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 10:58
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 395910 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
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		77-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
2037-26-5	Toluene-d8 (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	89		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1716.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 16-Jan-2018 10:58:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: mb
 Misc. Info.: 480-0068592-008
 Operator ID: RR Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 12:10:07 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: reiler

Date: 16-Jan-2018 12:10:07

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	9.345	9.345	0.000	99	183734	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.753	11.752	0.001	85	398329	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	95	417576	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	225238	25.0	22.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	98	122950	25.0	21.7	
\$ 5 Toluene-d8 (Surr)	98	10.567	10.579	-0.011	93	862804	25.0	23.2	
\$ 6 4-Bromofluorobenzene (Surr	174	12.690	12.689	0.001	90	366118	25.0	27.1	
10 Dichlorodifluoromethane	85		4.460					ND	
11 Chlorodifluoromethane	51		4.471					ND	
12 Chloromethane	50		4.875					ND	
13 Vinyl chloride	62		5.088					ND	
151 Butadiene	54		5.147					ND	
14 Bromomethane	94		5.693					ND	
15 Chloroethane	64		5.823					ND	
16 Dichlorofluoromethane	67		6.096					ND	
17 Trichlorofluoromethane	101		6.179					ND	
148 Ethanol	45		6.369					ND	
18 Ethyl ether	59		6.464					ND	
19 Propene oxide	58		6.606					ND	
20 Acrolein	56		6.689					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.748					ND	
22 1,1-Dichloroethene	96		6.808					ND	
23 Acetone	43		6.843					ND	
24 Isopropyl alcohol	45		6.938					ND	
25 Iodomethane	142		7.033					ND	
26 Carbon disulfide	76	7.128	7.128	0.000	1	8784		0.1639	M
27 Methyl acetate	43		7.140					ND	
29 Acetonitrile	40		7.163					ND	
28 3-Chloro-1-propene	41		7.163					ND	
30 Methylene Chloride	84		7.306					ND	
31 2-Methyl-2-propanol	59		7.329					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		7.495					ND	
33 Acrylonitrile	53		7.531					ND	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	1	2248		0.1393	M
35 Hexane	57		7.721					ND	
135 Halothane	117		7.839					ND	
36 Isopropyl ether	45		7.863					ND	
37 Vinyl acetate	43		7.887					ND	
38 1,1-Dimethoxyethane	75		7.946					ND	
39 1,1-Dichloroethane	63		7.946					ND	
40 2-Chloro-1,3-butadiene	53		8.005					ND	
41 Tert-butyl ethyl ether	59		8.183					ND	
42 Ethyl acetate	43		8.373					ND	
43 2-Butanone (MEK)	43		8.397					ND	
45 cis-1,2-Dichloroethene	96		8.432					ND	
44 2,2-Dichloropropane	77		8.444					ND	
46 Propionitrile	54		8.491					ND	
47 Methacrylonitrile	41		8.598					ND	
48 Chlorobromomethane	128		8.658					ND	
50 Chloroform	83		8.669					ND	
49 Tetrahydrofuran	42		8.681					ND	
51 1,1,1-Trichloroethane	97		8.859					ND	
52 Cyclohexane	56		8.907					ND	
53 Isobutyl alcohol	43		8.918					ND	
54 1,1-Dichloropropene	75		8.966					ND	
55 Carbon tetrachloride	117		9.001					ND	
147 t-Amyl alcohol	59		9.013					ND	
152 Isooctane	57		9.108					ND	
56 Tert-amyl methyl ether	73		9.132					ND	
58 1,2-Dichloroethane	62		9.167					ND	
59 n-Heptane	43	9.191	9.191	0.000	84	2980		0.1967	
1 1,4-Difluorobenzene	114		9.381					ND	
60 n-Butanol	56		9.428					ND	
141 2,4,4-Trimethyl-1-pentene	55		9.511					ND	
142 Ethyl acrylate	55		9.582					ND	
140 2,4,4-Trimethyl-2-pentene	97		9.665					ND	
63 Methyl methacrylate	41		9.772					ND	
64 Methylcyclohexane	83		9.784					ND	
65 1,2-Dichloropropane	63		9.832					ND	
66 1,4-Dioxane	88		9.903					ND	
67 Dibromomethane	93		9.962					ND	
68 Dichlorobromomethane	83		10.033					ND	
69 2-Chloroethyl vinyl ether	63		10.164					ND	
70 2-Nitropropane	43		10.187					ND	
71 Epichlorohydrin	57		10.282					ND	
72 cis-1,3-Dichloropropene	75		10.353					ND	
73 4-Methyl-2-pentanone (MIBK)	43		10.389					ND	
74 Toluene	92		10.626					ND	
75 Ethyl methacrylate	69		10.697					ND	
76 2-Methylthiophene	97		10.744					ND	
77 trans-1,3-Dichloropropene	75		10.768					ND	
78 3-Methylthiophene	97		10.875					ND	
79 1,1,2-Trichloroethane	83		10.946					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 2-Hexanone	43		11.029					ND	
155 n-Butyl acetate	43		11.053					ND	
81 Tetrachloroethene	166		11.077					ND	
82 1,3-Dichloropropane	76		11.089					ND	
83 Chlorodibromomethane	129		11.314					ND	
84 Ethylene Dibromide	107		11.444					ND	
85 3-Chlorobenzotrifluoride	180		11.598					ND	
146 1-Chlorohexane	55		11.622					ND	
86 4-Chlorobenzotrifluoride	180		11.646					ND	
87 Chlorobenzene	112		11.776					ND	
88 Ethylbenzene	91		11.788					ND	
89 1,1,1,2-Tetrachloroethane	131		11.812					ND	
90 m-Xylene & p-Xylene	106		11.871					ND	
91 o-Xylene	106		12.215					ND	
92 Styrene	104		12.227					ND	
93 2-Chlorobenzotrifluoride	180		12.393					ND	
95 Bromoform	173		12.500					ND	
96 Cyclohexanone	55		12.689					ND	
97 1,1,2,2-Tetrachloroethane	83		12.761					ND	
98 trans-1,4-Dichloro-2-buten	53		12.796					ND	
99 N-Propylbenzene	91		12.844					ND	
100 1,2,3-Trichloropropane	110		12.844					ND	
101 Bromobenzene	156		12.879					ND	
103 2-Chlorotoluene	126		12.998					ND	
104 3-Chlorotoluene	126		13.045					ND	
105 4-Chlorotoluene	126		13.081					ND	
108 Pentachloroethane	167		13.401					ND	
109 sec-Butylbenzene	105	13.484	13.484	0.000	89	7206		0.1000	
112 1,2,3-Trimethylbenzene	105		13.757					ND	
114 Dicyclopentadiene	66		13.816					ND	
150 Benzyl chloride	126		13.899					ND	
115 n-Butylbenzene	91	13.994	13.994	0.000	93	6828		0.1270	
116 1,2-Dichlorobenzene	146		14.196					ND	
117 1,2-Dibromo-3-Chloropropan	75		15.061					ND	
118 1,3,5-Trichlorobenzene	180		15.251					ND	
119 1,2,4-Trichlorobenzene	180		16.105					ND	
120 Hexachlorobutadiene	225	16.223	16.223	0.000	86	4617		0.4480	
121 Naphthalene	128		16.532					ND	
122 1,2,3-Trichlorobenzene	180		16.887					ND	
149 2-Methylnaphthalene	142	18.476	18.464	0.012	83	1898		0.0460	7
137 Nitrobenzene	77		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
136 Hexachloroethane	117		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
139 cis-1,4-Dichloro-2-butene	88		0.000					ND	
138 Methyl acrylate	1		0.000					ND	
S 125 1,2-Dichloroethene, Total	1				0			0.1393	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47		5.500					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
T 127 Ethanol TIC	45		0.000					ND	
T 133 1-Bromopropane	1		0.000					ND	
T 129 Aziridine TIC	1		0.000					ND	
T 132 Pentachloroethane TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 131 Bromoethane TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 134 tert-amyl alcohol TIC	1		0.000					ND	
T 130 bis(chloromethyl)ether TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

C_8260_IS_00105	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00121	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1716.D

Injection Date: 16-Jan-2018 10:58:30

Instrument ID: HP5973C

Operator ID: RR

Lims ID: MB

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

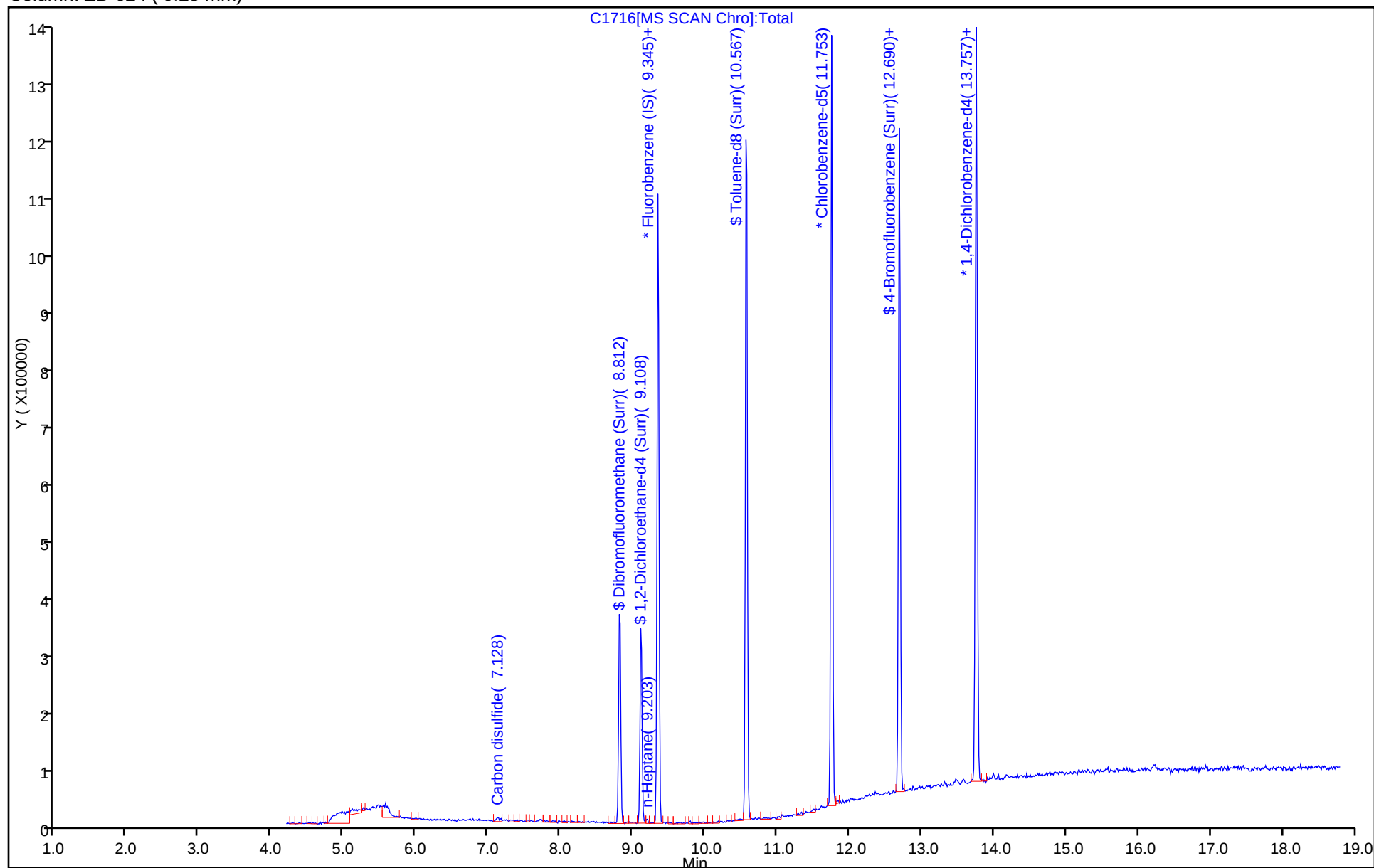
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1716.D

Injection Date: 16-Jan-2018 10:58:30

Instrument ID: HP5973C

Lims ID: MB

Client ID:

Operator ID: RR

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

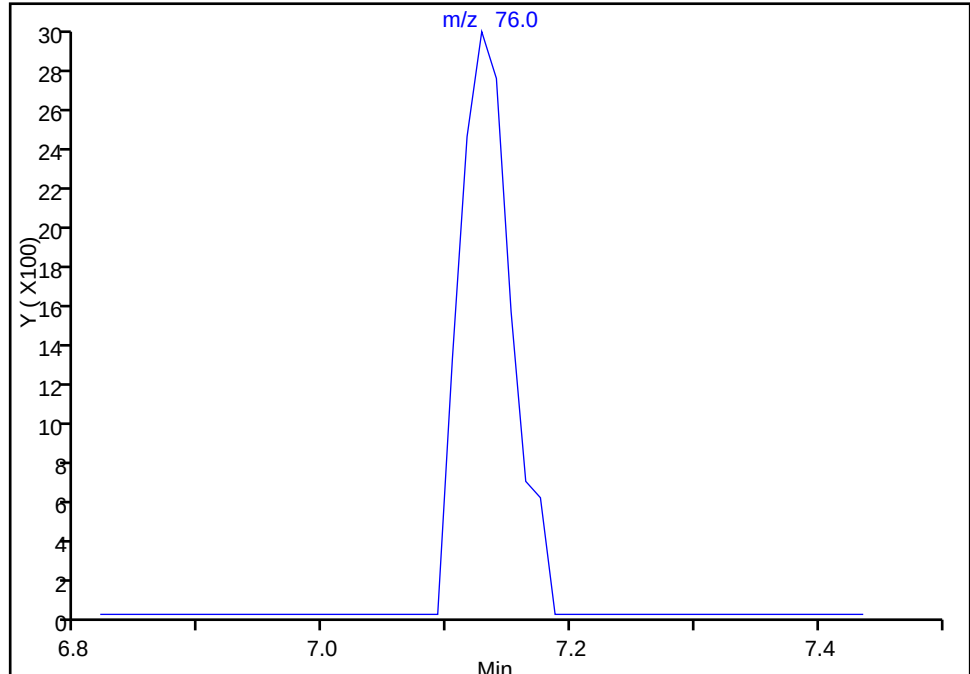
26 Carbon disulfide, CAS: 75-15-0

Signal: 1

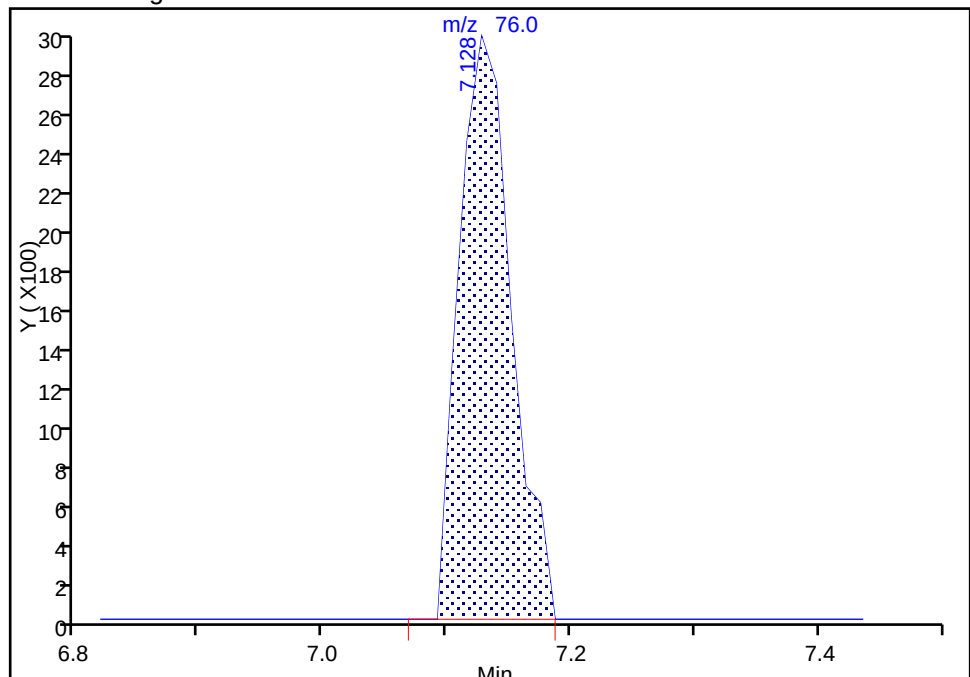
Not Detected

Expected RT: 7.13

Processing Integration Results



Manual Integration Results



RT: 7.13

Area: 8784

Amount: 0.163903

Amount Units: ug/L

Reviewer: reiler, 16-Jan-2018 12:06:39

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1716.D

Injection Date: 16-Jan-2018 10:58:30

Instrument ID: HP5973C

Lims ID: MB

Client ID:

Operator ID: RR

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

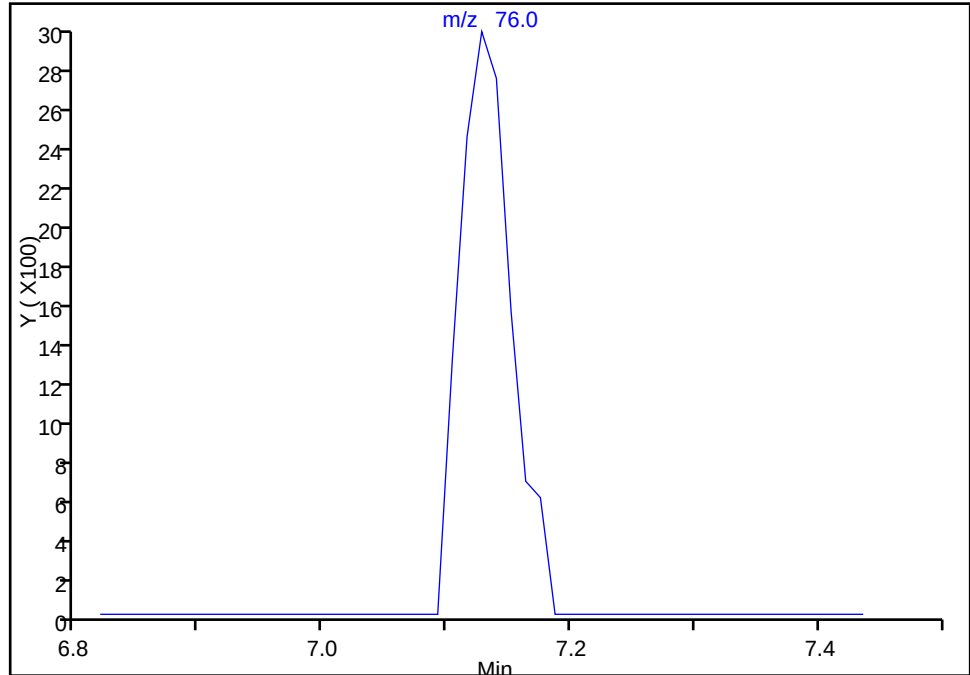
26 Carbon disulfide, CAS: 75-15-0

Signal: 1

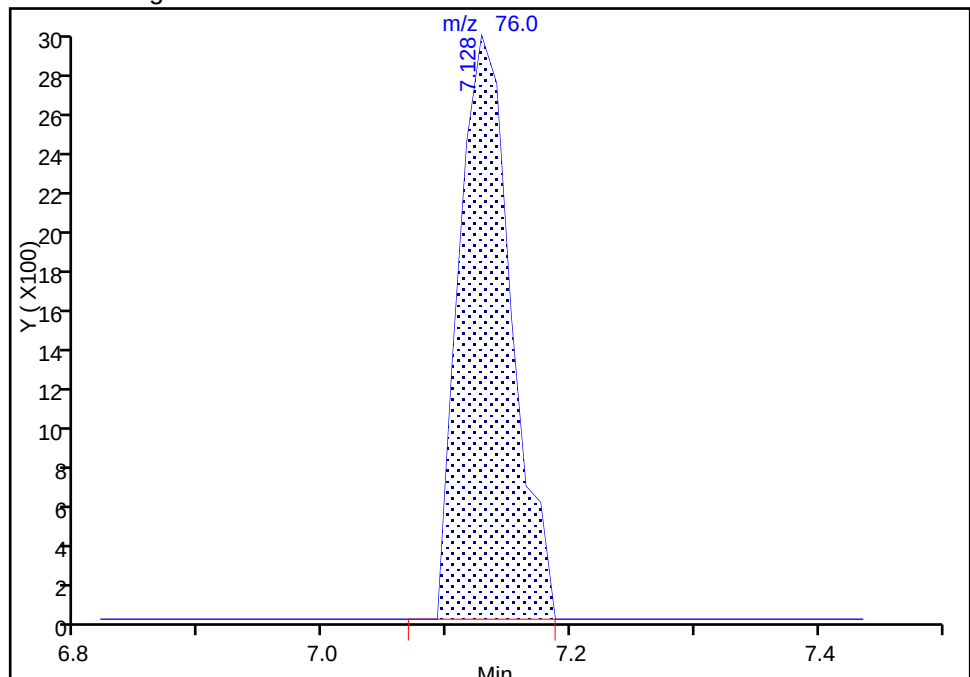
Not Detected

Expected RT: 7.13

Processing Integration Results



Manual Integration Results



RT: 7.13

Area: 8784

Amount: 0.163903

Amount Units: ug/L

Reviewer: reiler, 16-Jan-2018 12:06:43

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1716.D

Injection Date: 16-Jan-2018 10:58:30

Instrument ID: HP5973C

Lims ID: MB

Client ID:

Operator ID: RR

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

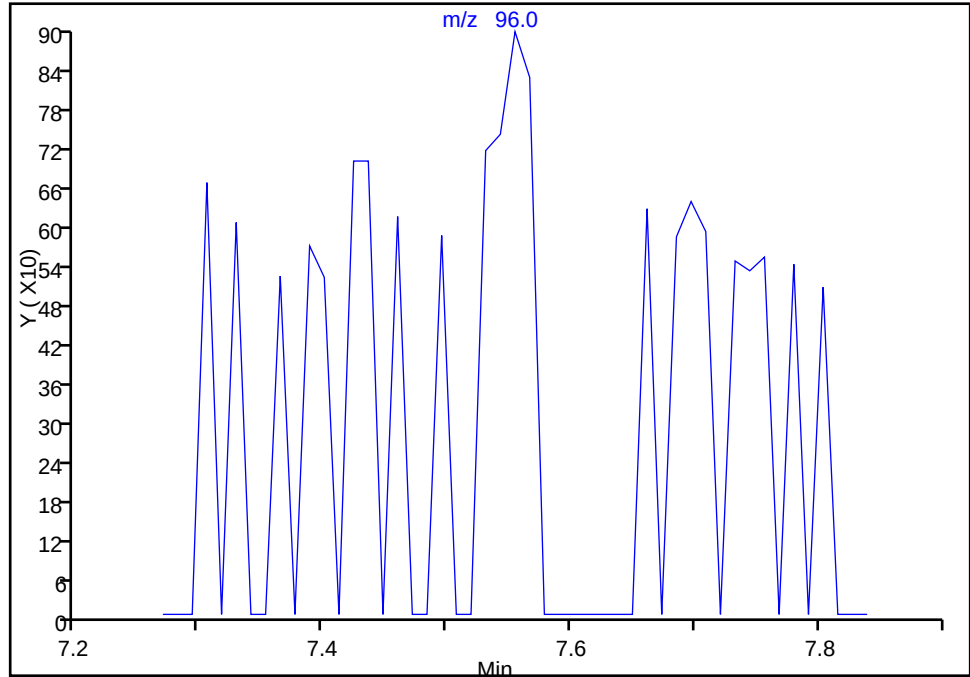
34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

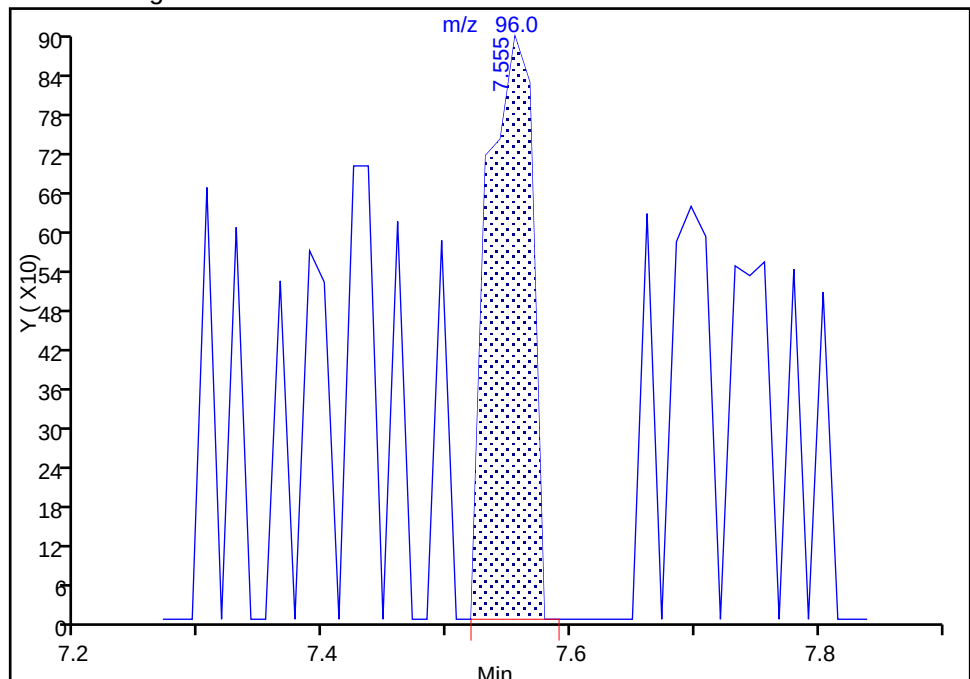
Not Detected

Expected RT: 7.55

Processing Integration Results



Manual Integration Results



RT: 7.55

Area: 2248

Amount: 0.139309

Amount Units: ug/L

Reviewer: reiler, 16-Jan-2018 12:07:06

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1716.D

Injection Date: 16-Jan-2018 10:58:30

Instrument ID: HP5973C

Lims ID: MB

Client ID:

Operator ID: RR

ALS Bottle#:

7

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

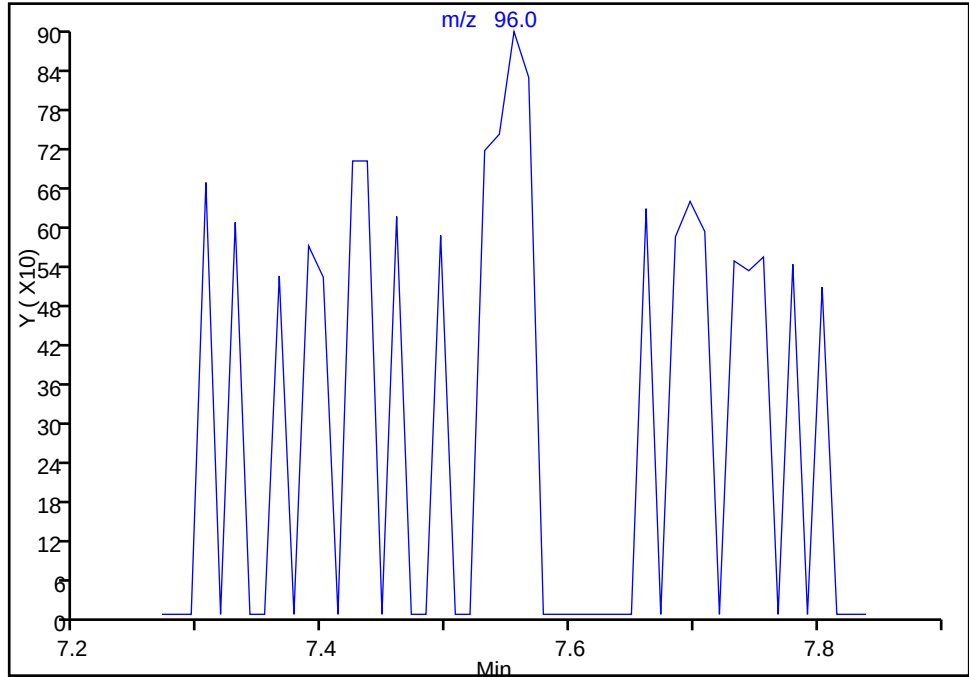
34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

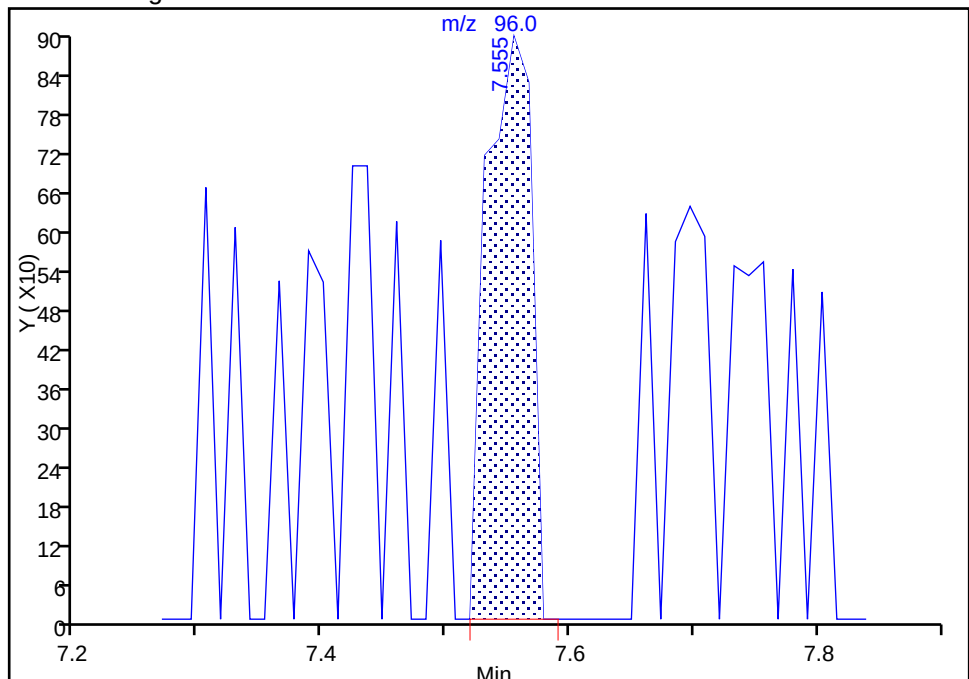
Not Detected

Expected RT: 7.55

Processing Integration Results



Manual Integration Results



RT: 7.55

Area: 2248

Amount: 0.139309

Amount Units: ug/L

Reviewer: reiler, 16-Jan-2018 12:07:07

Audit Action: Manually Integrated

Audit Reason: Missed Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-395914/10

Matrix: Water Lab File ID: T3868.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 11:34

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.: 395914 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-395914/10
 Matrix: Water Lab File ID: T3868.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 11:34
 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.: 395914 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
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3868.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 16-Jan-2018 11:34:30 ALS Bottle#: 10 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: mb
 Misc. Info.: 480-0068593-010
 Operator ID: RR Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 12:06:09 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: reiler

Date: 16-Jan-2018 12:06:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.869	4.869	0.000	98	145095	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	87	586864	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	97	311878	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.403	0.010	93	185314	25.0	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.652	4.652	0.000	0	226450	25.0	24.5	
\$ 6 Toluene-d8 (Surr)	98	6.040	6.040	0.000	94	657832	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.001	87	212775	25.0	24.9	
11 Dichlorodifluoromethane	85		1.242					ND	
12 Chlorodifluoromethane	51		1.253					ND	
13 Chloromethane	50		1.408					ND	
14 Vinyl chloride	62		1.491					ND	
151 Butadiene	54		1.501					ND	
15 Bromomethane	94		1.792					ND	
16 Chloroethane	64		1.854					ND	
17 Trichlorofluoromethane	101		2.061					ND	
18 Dichlorofluoromethane	67		2.061					ND	
19 Ethyl ether	59		2.310					ND	
148 Ethanol	45		2.330					ND	
84 Propene oxide	58		2.392					ND	
21 Acrolein	56		2.486					ND	
22 1,1-Dichloroethene	96		2.517					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.527					ND	
23 Acetone	43		2.631					ND	
24 Iodomethane	142		2.672					ND	
26 Isopropyl alcohol	45		2.797					ND	
27 3-Chloro-1-propene	41		2.859					ND	
28 Methyl acetate	43		2.900					ND	
29 Acetonitrile	40		2.921					ND	
31 2-Methyl-2-propanol	59		3.149					ND	
33 Methyl tert-butyl ether	73		3.170					ND	
32 trans-1,2-Dichloroethene	96		3.191					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Acrylonitrile	53		3.242					ND	
35 Hexane	57		3.346					ND	
37 Isopropyl ether	45		3.553					ND	
36 1,1-Dichloroethane	63		3.553					ND	
139 Halothane	117		3.584					ND	
38 2-Chloro-1,3-butadiene	53		3.595					ND	
39 Vinyl acetate	43		3.595					ND	
40 1,1-Dimethoxyethane	75		3.615					ND	
41 Tert-butyl ethyl ether	59		3.843					ND	
42 2,2-Dichloropropane	77		3.999					ND	
43 cis-1,2-Dichloroethene	96		4.020					ND	
44 2-Butanone (MEK)	43		4.051					ND	
45 Ethyl acetate	43		4.061					ND	
46 Propionitrile	54		4.144					ND	
47 Chlorobromomethane	128		4.217					ND	
49 Methacrylonitrile	41		4.227					ND	
48 Tetrahydrofuran	42		4.227					ND	
51 1,1,1-Trichloroethane	97		4.372					ND	
52 Cyclohexane	56		4.382					ND	
54 1,1-Dichloropropene	75		4.486					ND	
53 Carbon tetrachloride	117		4.486					ND	
152 Isooctane	57		4.641					ND	
56 Isobutyl alcohol	43		4.672					ND	
58 Tert-amyl methyl ether	73		4.714					ND	
147 t-Amyl alcohol	59		4.714					ND	
57 1,2-Dichloroethane	62		4.714					ND	
59 n-Heptane	43		4.786					ND	
1 1,4-Difluorobenzene	114		4.952					ND	
141 2,4,4-Trimethyl-1-pentene	55		5.045					ND	
60 Trichloroethene	95		5.139					ND	
61 n-Butanol	56		5.149					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.222					ND	
142 Ethyl acrylate	55		5.222					ND	
62 Methylcyclohexane	83		5.232					ND	
63 1,2-Dichloropropane	63		5.336					ND	
64 Methyl methacrylate	41		5.398					ND	
66 1,4-Dioxane	88		5.439					ND	
65 Dibromomethane	93		5.439					ND	
67 Dichlorobromomethane	83		5.553					ND	
68 2-Nitropropane	43		5.750					ND	
69 2-Chloroethyl vinyl ether	63		5.761					ND	
70 Epichlorohydrin	57		5.843					ND	
71 cis-1,3-Dichloropropene	75		5.875					ND	
72 4-Methyl-2-pentanone (MIBK)	43		5.978					ND	
73 Toluene	92	6.082	6.082	-0.010	1	1792		0.0930	
74 2-Methylthiophene	97		6.196					ND	
75 trans-1,3-Dichloropropene	75		6.310					ND	
76 3-Methylthiophene	97		6.330					ND	
77 Ethyl methacrylate	69		6.331					ND	
78 1,1,2-Trichloroethane	83		6.455					ND	
79 Tetrachloroethene	166		6.496					ND	
80 1,3-Dichloropropane	76		6.579					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
81 2-Hexanone	43		6.621					ND	
155 n-Butyl acetate	43		6.683					ND	
82 Chlorodibromomethane	129		6.755					ND	
83 Ethylene Dibromide	107		6.838					ND	
146 1-Chlorohexane	55		7.139					ND	
85 3-Chlorobenzotrifluoride	180		7.149					ND	
86 Chlorobenzene	112		7.191					ND	
87 4-Chlorobenzotrifluoride	180		7.201					ND	
88 Ethylbenzene	91		7.253					ND	
89 1,1,1,2-Tetrachloroethane	131		7.263					ND	
90 m-Xylene & p-Xylene	106		7.346					ND	
92 Styrene	104		7.688					ND	
94 2-Chlorobenzotrifluoride	180		7.885					ND	
93 Bromoform	173		7.885					ND	
95 Isopropylbenzene	105		7.947					ND	
97 Bromobenzene	156		8.227					ND	
98 1,1,2,2-Tetrachloroethane	83		8.258					ND	
99 N-Propylbenzene	91		8.279					ND	
100 1,2,3-Trichloropropane	110		8.289					ND	
105 2-Chlorotoluene	126		8.372					ND	
103 3-Chlorotoluene	126		8.413					ND	
104 1,3,5-Trimethylbenzene	105		8.414					ND	
102 4-Chlorotoluene	91		8.455					ND	
106 tert-Butylbenzene	134		8.673					ND	
107 1,2,4-Trimethylbenzene	105		8.724					ND	
108 Pentachloroethane	167		8.735					ND	
109 sec-Butylbenzene	105		8.849					ND	
111 4-Isopropyltoluene	119		8.973					ND	
110 1,3-Dichlorobenzene	146		8.984					ND	
112 Dicyclopentadiene	66		9.035					ND	
114 1,2,3-Trimethylbenzene	105		9.077					ND	
150 Benzyl chloride	126		9.180					ND	
115 n-Butylbenzene	91		9.305					ND	
116 1,2-Dichlorobenzene	146		9.367					ND	
117 1,2-Dibromo-3-Chloropropan	75		10.041					ND	
118 1,3,5-Trichlorobenzene	180		10.165					ND	
119 1,2,4-Trichlorobenzene	180		10.693					ND	
120 Hexachlorobutadiene	225		10.787					ND	
121 Naphthalene	128		10.901					ND	
149 2-Methylnaphthalene	142	11.761	11.761	0.000	86	2351		0.1039	
145 Ethylene oxide TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
S 125 Total BTEX	1				0			0.0930	
S 126 Xylenes, Total	1		30.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47		1.500					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
T 130 Bromoethane TIC	1		0.000					ND	
T 129 Aziridine TIC	1		0.000					ND	
T 131 tert-amyl alcohol TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 10 Ethylene oxide	1		0.000					ND	
T 133 Pentachloroethane TIC	1		0.000					ND	
T 134 1-Bromopropane	1		0.000					ND	
T 132 bis(chloromethyl)ether TIC	1		0.000					ND	
T 127 Ethanol TIC	1		0.000					ND	

Reagents:

T_8260_IS_00184	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_Surr_00165	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3868.D

Injection Date: 16-Jan-2018 11:34:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: MB

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

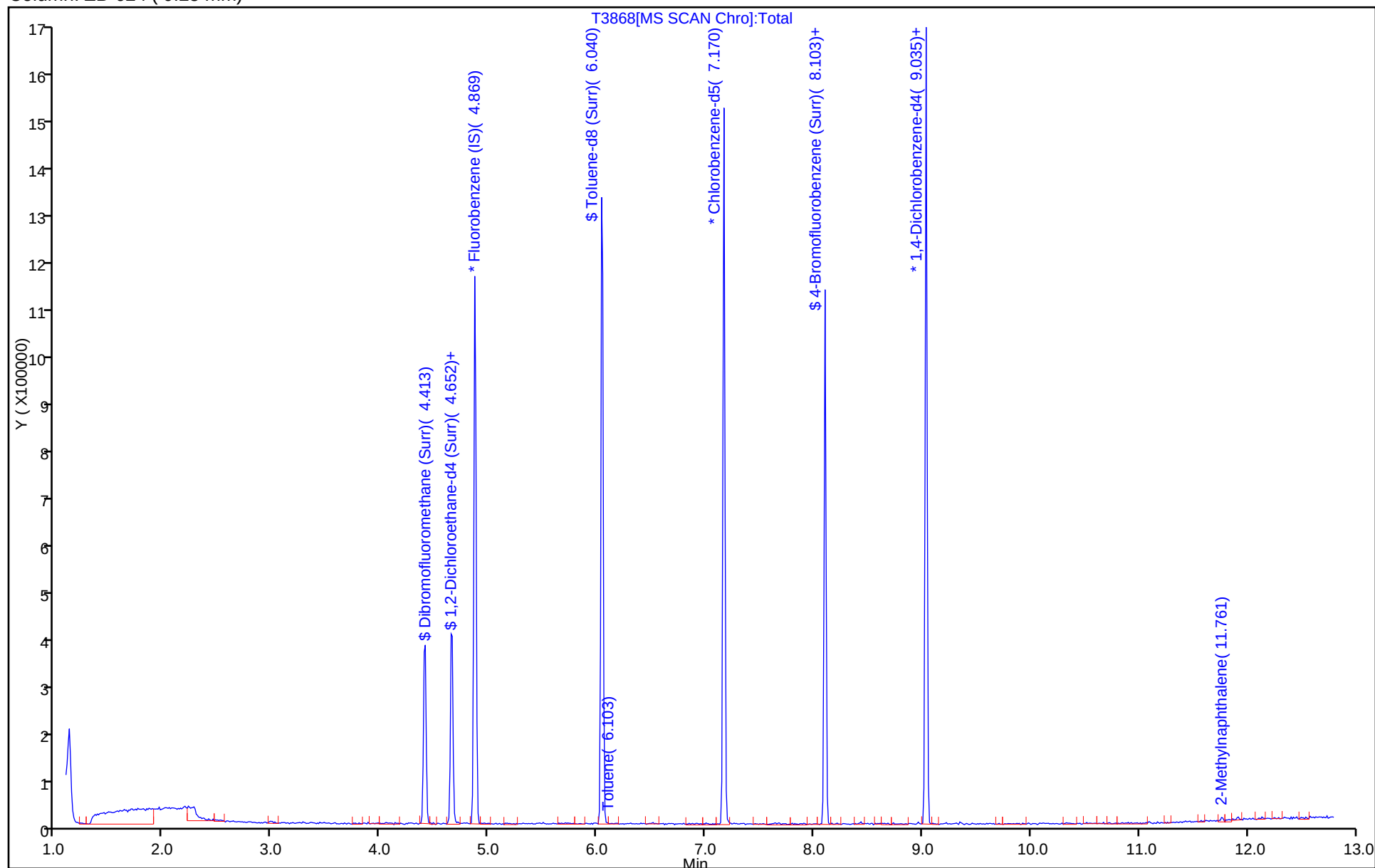
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-396044/6

Matrix: Water Lab File ID: C1742.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 22:36

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 396044 Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-396044/6
 Matrix: Water Lab File ID: C1742.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 22:36
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 396044 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
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
2037-26-5	Toluene-d8 (Surr)	106		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1742.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 16-Jan-2018 22:36:30 ALS Bottle#: 6 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: mb
 Misc. Info.: 480-0068612-006
 Operator ID: KN Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jan-2018 14:12:59 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: nowakk

Date: 16-Jan-2018 23:07:43

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	9.345	9.345	0.000	99	181191	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.753	11.753	0.000	85	399822	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	95	417294	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	272135	25.0	27.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	97	155790	25.0	27.9	
\$ 5 Toluene-d8 (Surr)	98	10.579	10.579	0.000	93	987858	25.0	26.5	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.701	-0.012	91	325032	25.0	23.9	
10 Dichlorodifluoromethane	85		4.460					ND	
11 Chlorodifluoromethane	51		4.483					ND	
12 Chloromethane	50		4.887					ND	
13 Vinyl chloride	62		5.100					ND	
151 Butadiene	54		5.147					ND	
14 Bromomethane	94		5.705					ND	
15 Chloroethane	64		5.835					ND	
16 Dichlorofluoromethane	67		6.108					ND	
17 Trichlorofluoromethane	101		6.179					ND	
148 Ethanol	45		6.369					ND	
18 Ethyl ether	59		6.476					ND	
19 Propene oxide	58		6.606					ND	
20 Acrolein	56		6.689					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.748					ND	
22 1,1-Dichloroethene	96		6.808					ND	
23 Acetone	43		6.843					ND	
24 Isopropyl alcohol	45		6.926					ND	
25 Iodomethane	142		7.033					ND	
26 Carbon disulfide	76	7.128	7.128	0.000	1	7524		0.1424	M
27 Methyl acetate	43		7.140					ND	
29 Acetonitrile	40		7.163					ND	
28 3-Chloro-1-propene	41		7.175					ND	
30 Methylene Chloride	84	7.306	7.306	-0.012	1	1612		0.0937	M
31 2-Methyl-2-propanol	59		7.318					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		7.495					ND	
33 Acrylonitrile	53		7.531					ND	
34 trans-1,2-Dichloroethene	96		7.555					ND	
35 Hexane	57		7.721					ND	
135 Halothane	117		7.839					ND	
36 Isopropyl ether	45		7.863					ND	
37 Vinyl acetate	43		7.887					ND	
38 1,1-Dimethoxyethane	75		7.946					ND	
39 1,1-Dichloroethane	63		7.946					ND	
40 2-Chloro-1,3-butadiene	53		8.005					ND	
41 Tert-butyl ethyl ether	59		8.183					ND	
42 Ethyl acetate	43		8.373					ND	
43 2-Butanone (MEK)	43		8.397					ND	
45 cis-1,2-Dichloroethene	96		8.444					ND	
44 2,2-Dichloropropane	77		8.444					ND	
46 Propionitrile	54		8.491					ND	
47 Methacrylonitrile	41		8.598					ND	
48 Chlorobromomethane	128		8.658					ND	
50 Chloroform	83		8.669					ND	
49 Tetrahydrofuran	42		8.681					ND	
51 1,1,1-Trichloroethane	97		8.859					ND	
52 Cyclohexane	56		8.907					ND	
53 Isobutyl alcohol	43		8.918					ND	
54 1,1-Dichloropropene	75		8.966					ND	
55 Carbon tetrachloride	117		9.001					ND	
147 t-Amyl alcohol	59		9.013					ND	
152 Isooctane	57		9.108					ND	
56 Tert-amyl methyl ether	73		9.132					ND	
58 1,2-Dichloroethane	62		9.167					ND	
59 n-Heptane	43	9.191	9.191	0.000	38	2685		0.1797	
1 1,4-Difluorobenzene	114		9.381					ND	
60 n-Butanol	56		9.416					ND	
141 2,4,4-Trimethyl-1-pentene	55		9.511					ND	
142 Ethyl acrylate	55		9.582					ND	
62 Trichloroethene	95		9.642					ND	
140 2,4,4-Trimethyl-2-pentene	97		9.665					ND	
63 Methyl methacrylate	41		9.772					ND	
64 Methylcyclohexane	83		9.784					ND	
65 1,2-Dichloropropane	63		9.832					ND	
66 1,4-Dioxane	88		9.903					ND	
67 Dibromomethane	93		9.962					ND	
68 Dichlorobromomethane	83		10.033					ND	
69 2-Chloroethyl vinyl ether	63		10.164					ND	
70 2-Nitropropane	43		10.187					ND	
71 Epichlorohydrin	57		10.282					ND	
72 cis-1,3-Dichloropropene	75		10.353					ND	
73 4-Methyl-2-pentanone (MIBK)	43		10.389					ND	
74 Toluene	92		10.626					ND	
75 Ethyl methacrylate	69		10.697					ND	
76 2-Methylthiophene	97		10.745					ND	
77 trans-1,3-Dichloropropene	75		10.768					ND	
78 3-Methylthiophene	97		10.875					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
79 1,1,2-Trichloroethane	83		10.946					ND	
80 2-Hexanone	43		11.029					ND	
155 n-Butyl acetate	43		11.053					ND	
81 Tetrachloroethene	166		11.077					ND	
82 1,3-Dichloropropane	76		11.089					ND	
83 Chlorodibromomethane	129		11.302					ND	
84 Ethylene Dibromide	107		11.444					ND	
85 3-Chlorobenzotrifluoride	180		11.598					ND	
146 1-Chlorohexane	55		11.622					ND	
86 4-Chlorobenzotrifluoride	180		11.646					ND	
87 Chlorobenzene	112		11.776					ND	
88 Ethylbenzene	91		11.788					ND	
89 1,1,1,2-Tetrachloroethane	131		11.812					ND	
90 m-Xylene & p-Xylene	106		11.871					ND	
91 o-Xylene	106		12.215					ND	
92 Styrene	104		12.227					ND	
93 2-Chlorobenzotrifluoride	180		12.393					ND	
95 Bromoform	173		12.488					ND	
94 Isopropylbenzene	105		12.488					ND	M
96 Cyclohexanone	55		12.689					ND	
97 1,1,2,2-Tetrachloroethane	83		12.761					ND	
98 trans-1,4-Dichloro-2-buten	53		12.796					ND	
100 1,2,3-Trichloropropane	110		12.844					ND	
99 N-Propylbenzene	91		12.844					ND	
101 Bromobenzene	156		12.879					ND	
102 1,3,5-Trimethylbenzene	105		12.950					ND	
103 2-Chlorotoluene	126		12.998					ND	
104 3-Chlorotoluene	126		13.045					ND	
105 4-Chlorotoluene	126		13.081					ND	
106 tert-Butylbenzene	134	13.294	13.294	0.012	0	2258		0.1609	
108 Pentachloroethane	167		13.401					ND	
112 1,2,3-Trimethylbenzene	105		13.757					ND	
114 Dicyclopentadiene	66		13.816					ND	
150 Benzyl chloride	126		13.899					ND	
115 n-Butylbenzene	91	13.982	13.994	-0.012	90	5633		0.1048	
116 1,2-Dichlorobenzene	146		14.196					ND	
117 1,2-Dibromo-3-Chloropropan	75		15.061					ND	
119 1,2,4-Trichlorobenzene	180		16.105					ND	
120 Hexachlorobutadiene	225	16.223	16.223	0.000	9	4951		0.4808	
121 Naphthalene	128		16.520					ND	
122 1,2,3-Trichlorobenzene	180		16.887					ND	
149 2-Methylnaphthalene	142	18.465	18.465	0.001	1	2258		0.0547	7
137 Nitrobenzene	77		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
139 cis-1,4-Dichloro-2-butene	88		0.000					ND	
138 Methyl acrylate	1		0.000					ND	
136 Hexachloroethane	117		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47		5.500					ND	
T 131 Bromoethane TIC	1		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 130 bis(chloromethyl)ether TIC	1		0.000					ND	
T 134 tert-amyl alcohol TIC	1		0.000					ND	
T 133 1-Bromopropane	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 129 Aziridine TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 132 Pentachloroethane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

C_8260_IS_00105

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00122

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1742.D

Injection Date: 16-Jan-2018 22:36:30

Instrument ID: HP5973C

Operator ID: KN

Lims ID: MB

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

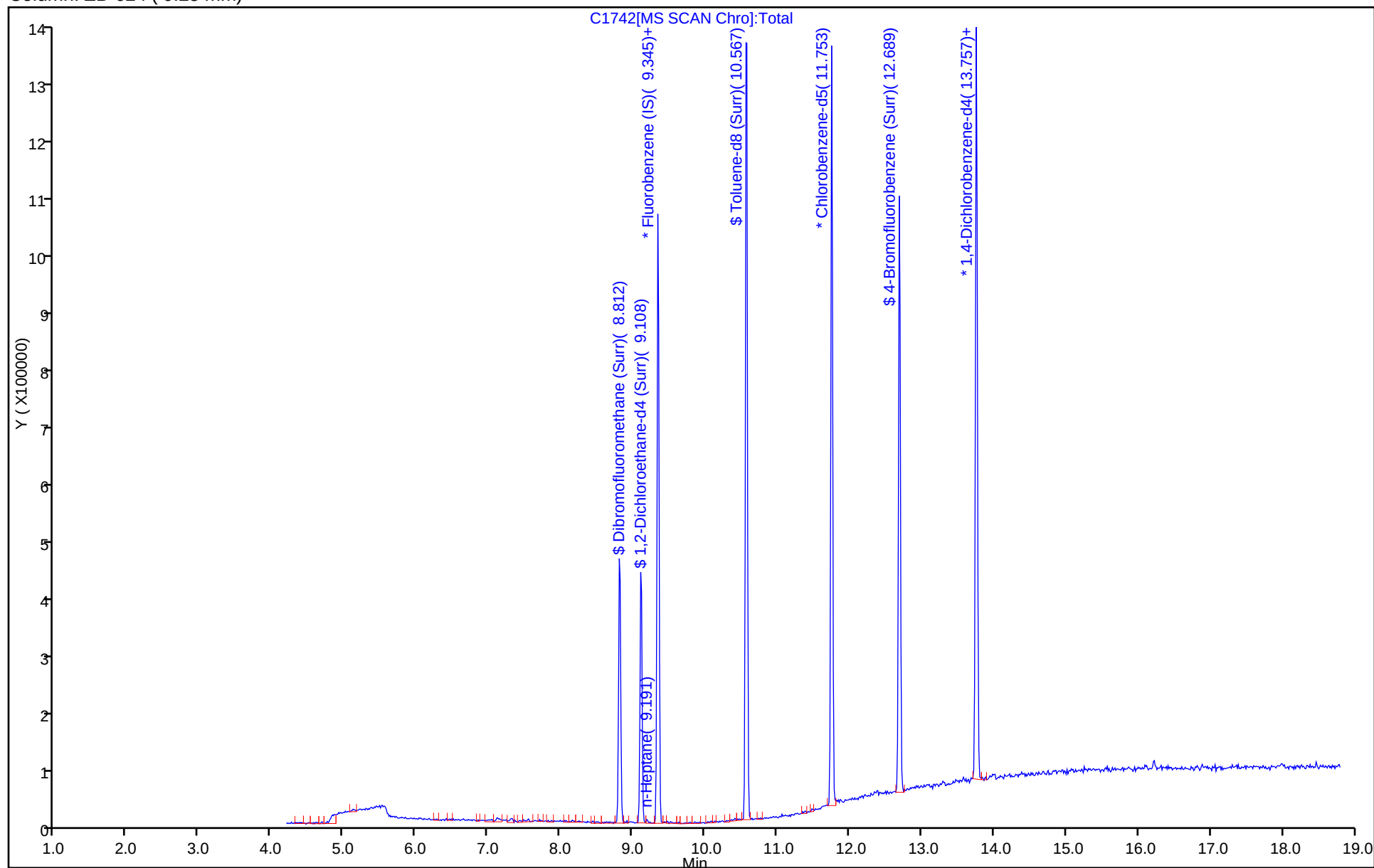
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1742.D

Injection Date: 16-Jan-2018 22:36:30

Instrument ID: HP5973C

Lims ID: MB

Client ID:

Operator ID: KN

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

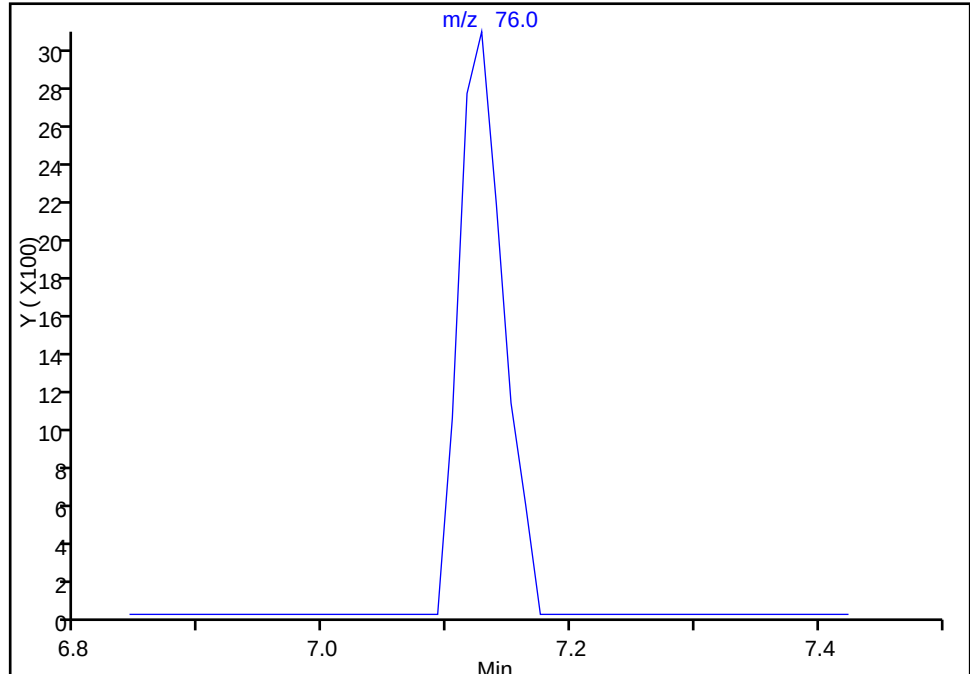
26 Carbon disulfide, CAS: 75-15-0

Signal: 1

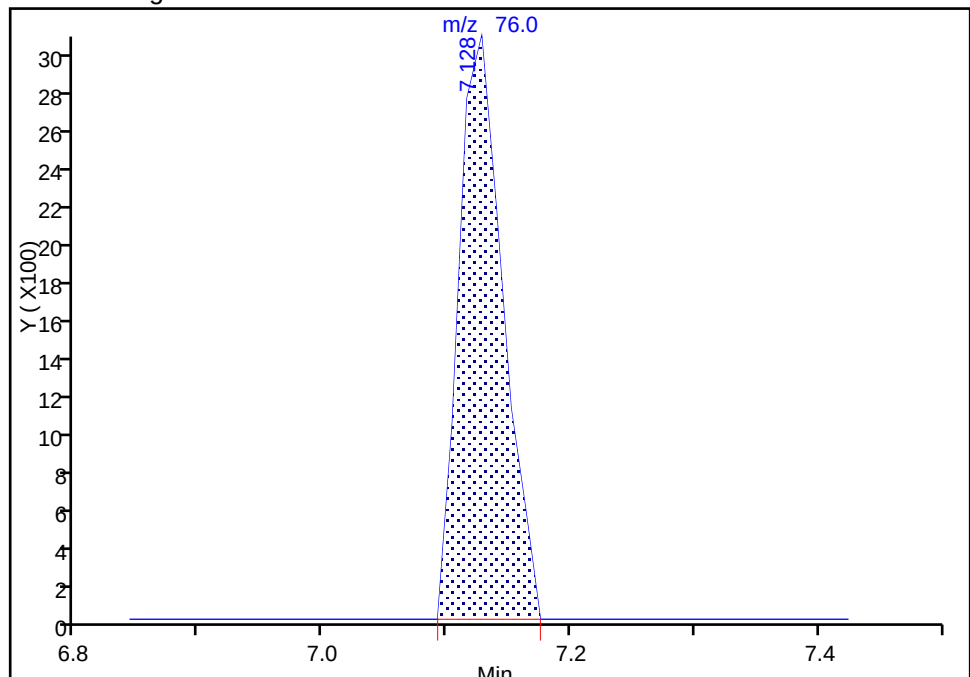
Not Detected

Expected RT: 7.13

Processing Integration Results



Manual Integration Results



RT: 7.13

Area: 7524

Amount: 0.142363

Amount Units: ug/L

Reviewer: reiler, 17-Jan-2018 14:10:35

Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1742.D

Injection Date: 16-Jan-2018 22:36:30

Instrument ID: HP5973C

Lims ID: MB

Client ID:

Operator ID: KN

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

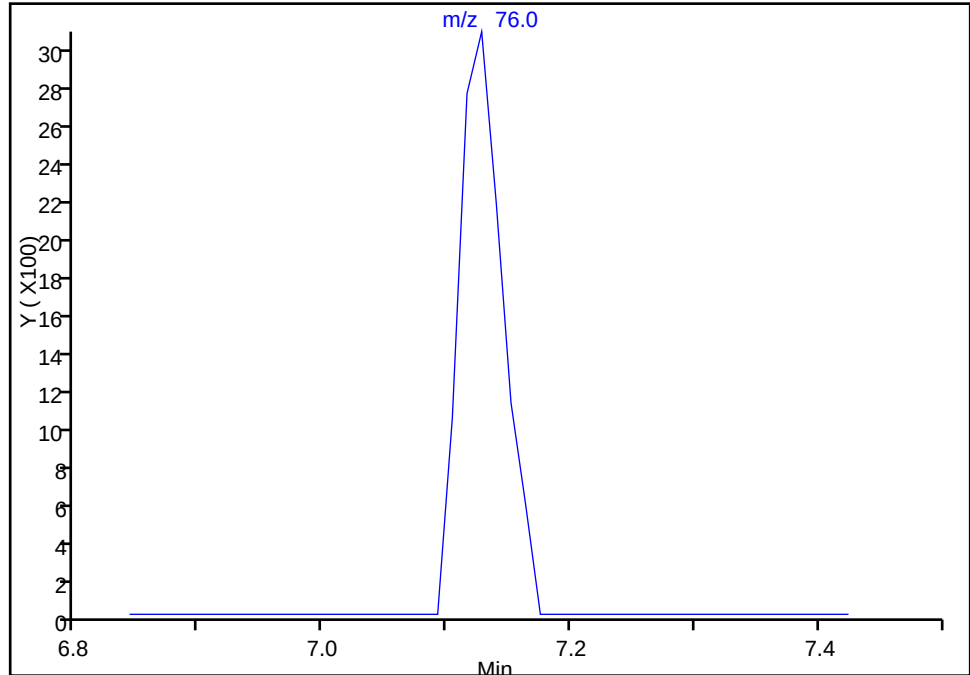
26 Carbon disulfide, CAS: 75-15-0

Signal: 1

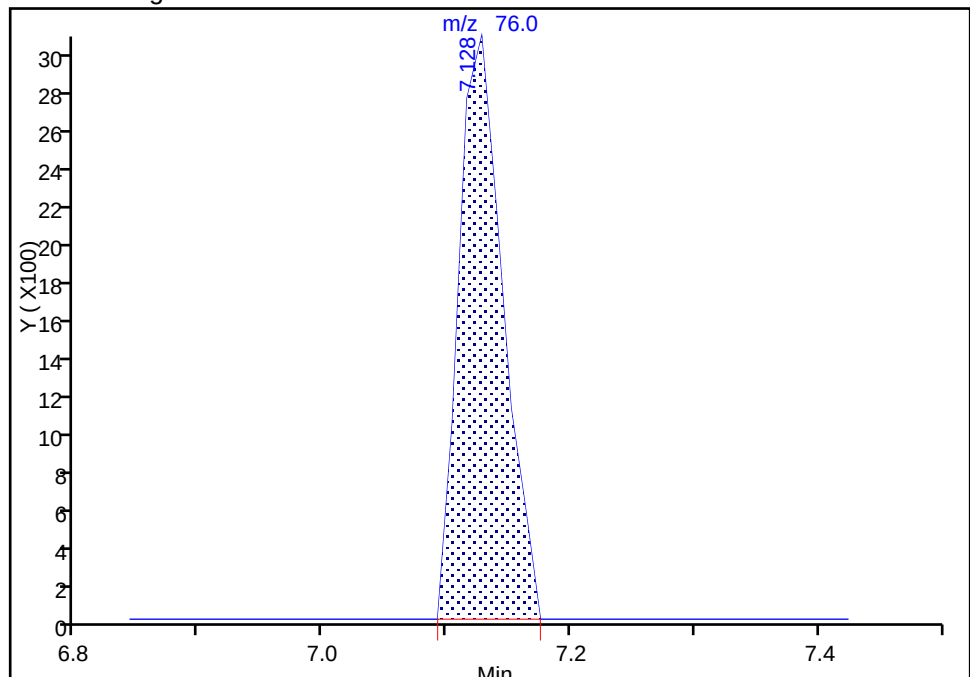
Not Detected

Expected RT: 7.13

Processing Integration Results



Manual Integration Results



RT: 7.13

Area: 7524

Amount: 0.142363

Amount Units: ug/L

Reviewer: reiler, 17-Jan-2018 14:10:39

Audit Action: Manually Integrated

Audit Reason: Missed Peak

TestAmerica Buffalo

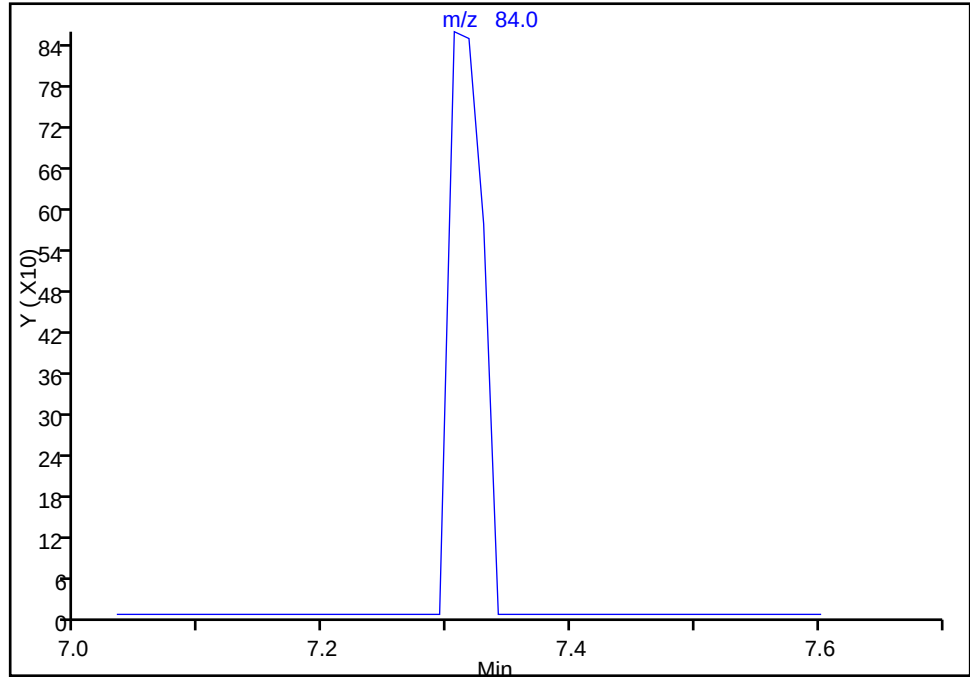
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1742.D
Injection Date: 16-Jan-2018 22:36:30 Instrument ID: HP5973C
Lims ID: MB
Client ID:
Operator ID: KN ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

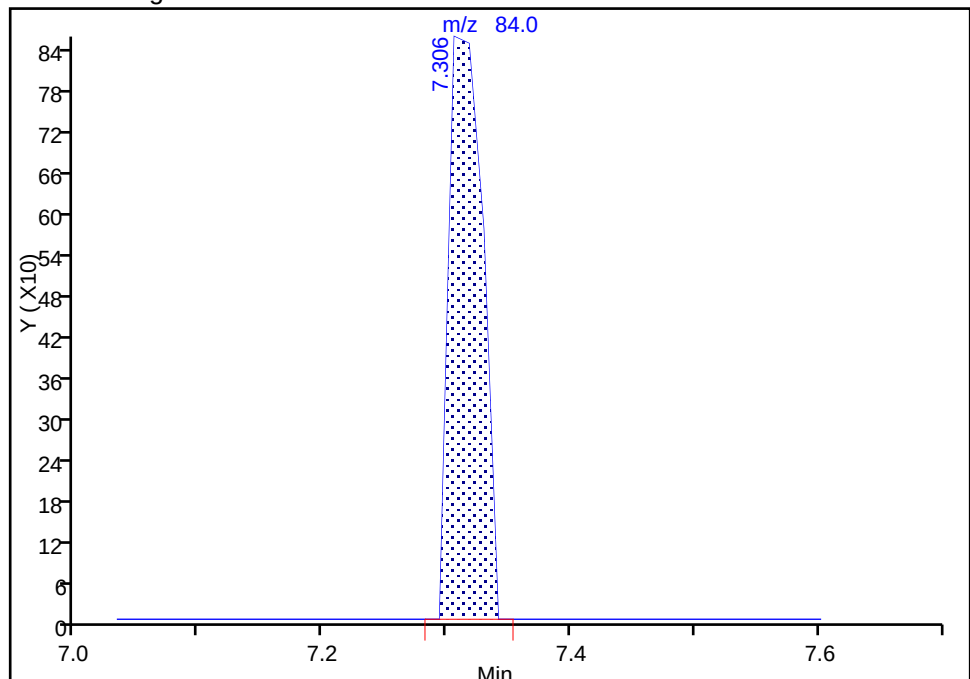
Not Detected
Expected RT: 7.32

Processing Integration Results



RT: 7.31
Area: 1612
Amount: 0.093709
Amount Units: ug/L

Manual Integration Results



Reviewer: reiler, 17-Jan-2018 14:10:50
Audit Action: Assigned Compound ID

Audit Reason: Missed Peak

TestAmerica Buffalo

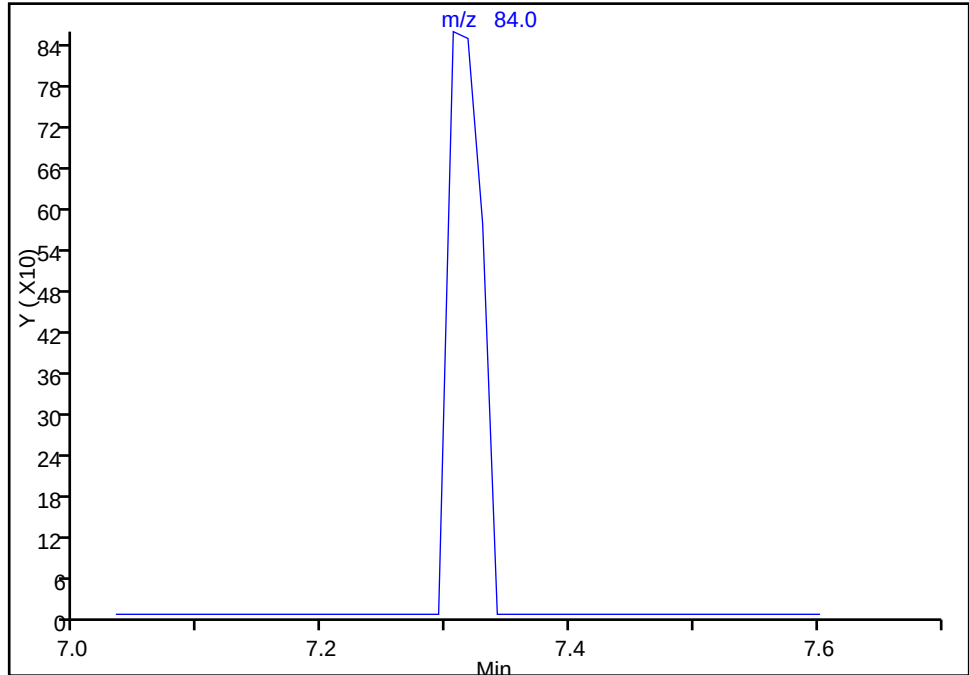
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1742.D
Injection Date: 16-Jan-2018 22:36:30 Instrument ID: HP5973C
Lims ID: MB
Client ID:
Operator ID: KN ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

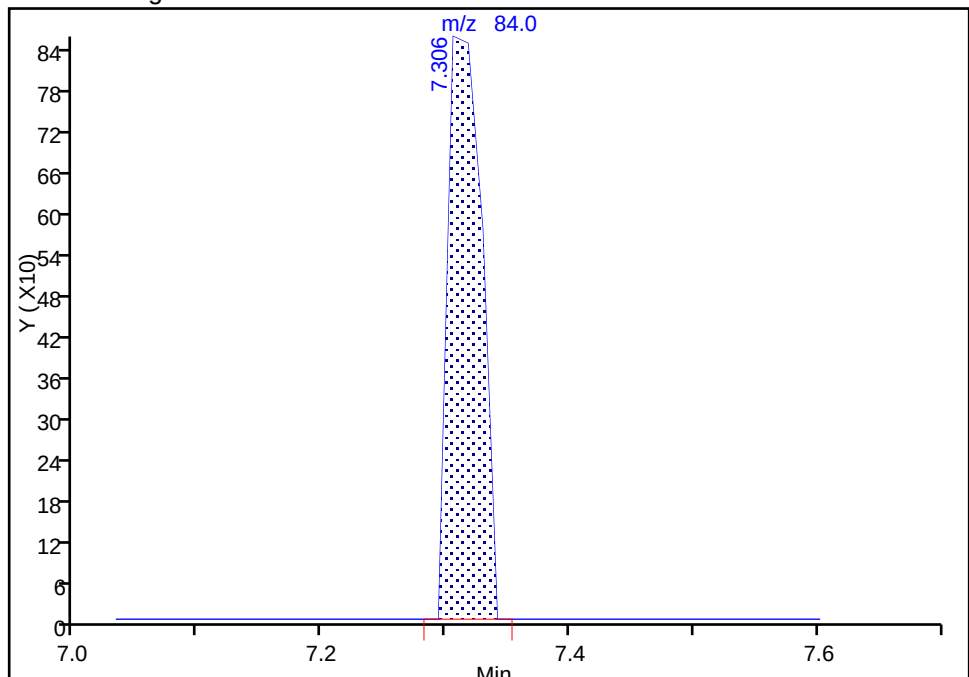
Signal: 1

Not Detected
Expected RT: 7.32

Processing Integration Results



Manual Integration Results



RT: 7.31
Area: 1612
Amount: 0.093709
Amount Units: ug/L

Reviewer: reiler, 17-Jan-2018 14:10:52

Audit Action: Manually Integrated

Audit Reason: Missed Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-395765/5

Matrix: Water Lab File ID: 95545P.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 10:27

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 395765 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	27.0		1.0	0.31
79-00-5	1,1,2-Trichloroethane	23.6		1.0	0.23
75-34-3	1,1-Dichloroethane	25.2		1.0	0.38
75-35-4	1,1-Dichloroethene	27.3		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	21.7		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	17.1		1.0	0.39
106-93-4	1,2-Dibromoethane	24.3		1.0	0.73
95-50-1	1,2-Dichlorobenzene	22.0		1.0	0.79
107-06-2	1,2-Dichloroethane	23.5		1.0	0.21
78-87-5	1,2-Dichloropropane	26.8		1.0	0.72
541-73-1	1,3-Dichlorobenzene	22.2		1.0	0.78
106-46-7	1,4-Dichlorobenzene	22.5		1.0	0.84
78-93-3	2-Butanone (MEK)	117		10	1.3
591-78-6	2-Hexanone	105		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	104		5.0	2.1
67-64-1	Acetone	116		10	3.0
71-43-2	Benzene	26.8		1.0	0.41
75-27-4	Bromodichloromethane	28.6		1.0	0.39
75-25-2	Bromoform	24.1		1.0	0.26
74-83-9	Bromomethane	27.6		1.0	0.69
75-15-0	Carbon disulfide	26.5		1.0	0.19
56-23-5	Carbon tetrachloride	26.8		1.0	0.27
108-90-7	Chlorobenzene	23.9		1.0	0.75
75-00-3	Chloroethane	27.9		1.0	0.32
67-66-3	Chloroform	28.1		1.0	0.34
74-87-3	Chloromethane	28.0		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	27.2		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.5		1.0	0.36
110-82-7	Cyclohexane	23.8		1.0	0.18
124-48-1	Dibromochloromethane	24.5		1.0	0.32
75-71-8	Dichlorodifluoromethane	25.5		1.0	0.68
100-41-4	Ethylbenzene	23.2		1.0	0.74
98-82-8	Isopropylbenzene	21.3		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-395765/5
 Matrix: Water Lab File ID: 95545P.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 10:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 395765 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	47.8		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.9		1.0	0.16
108-87-2	Methylcyclohexane	26.6		1.0	0.16
75-09-2	Methylene Chloride	25.5		1.0	0.44
100-42-5	Styrene	23.5		1.0	0.73
127-18-4	Tetrachloroethene	25.0		1.0	0.36
108-88-3	Toluene	23.1		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	28.4		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	23.3		1.0	0.37
79-01-6	Trichloroethene	28.5		1.0	0.46
75-69-4	Trichlorofluoromethane	26.6		1.0	0.88
75-01-4	Vinyl chloride	26.6		1.0	0.90
1330-20-7	Xylenes, Total	49.9		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
2037-26-5	Toluene-d8 (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	114		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95545P.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 15-Jan-2018 10:27:30 ALS Bottle#: 100 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: lcs
 Misc. Info.: 480-0068571-005
 Operator ID: RB Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Jan-2018 10:44:10 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK014

First Level Reviewer: baroner

Date: 15-Jan-2018 10:44:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.421	10.421	0.000	97	161238	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.376	14.376	0.000	90	398105	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.332	17.332	0.000	93	492313	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.624	9.624	0.000	92	251689	25.0	28.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.081	10.075	0.006	0	149887	25.0	26.0	
\$ 5 Toluene-d8 (Surr)	98	12.417	12.417	0.000	95	897213	25.0	24.2	
\$ 6 4-Bromofluorobenzene (Surr	174	15.872	15.872	0.000	89	316084	25.0	24.0	
10 Dichlorodifluoromethane	85	4.326	4.326	0.000	98	299426	25.0	25.5	
11 Chloromethane	50	4.751	4.745	0.006	99	998523	25.0	28.0	
17 Vinyl chloride	62	4.952	4.946	0.006	97	420040	25.0	26.6	
144 Butadiene	54	5.007	5.001	0.006	97	519500	25.0	27.3	
12 Bromomethane	94	5.591	5.585	0.006	92	227203	25.0	27.6	
13 Chloroethane	64	5.707	5.713	-0.006	90	237292	25.0	27.9	
19 Dichlorofluoromethane	67	6.011	6.017	-0.006	96	579455	25.0	26.3	
14 Trichlorofluoromethane	101	6.065	6.065	0.000	98	475440	25.0	26.6	
20 Ethyl ether	59	6.388	6.388	0.000	85	393350	25.0	24.5	
22 Acrolein	56	6.692	6.692	0.000	98	399904	125.0	138.1	
16 1,1,2-Trichloro-1,2,2-trif	101	6.735	6.735	0.000	93	283090	25.0	27.0	
25 1,1-Dichloroethene	96	6.832	6.820	0.012	89	291426	25.0	27.3	
24 Acetone	43	6.875	6.881	-0.006	97	1121510	125.0	115.6	
18 Iodomethane	142	7.124	7.124	0.000	99	548696	25.0	33.7	
27 Carbon disulfide	76	7.227	7.227	0.000	96	1076226	25.0	26.5	
30 Methyl acetate	43	7.246	7.246	0.000	98	1166083	50.0	47.8	
28 3-Chloro-1-propene	41	7.270	7.276	-0.006	92	1160232	25.0	25.8	
31 Methylene Chloride	84	7.507	7.471	0.036	83	318904	25.0	25.5	
33 2-Methyl-2-propanol	59	7.489	7.489	0.000	96	552397	250.0	220.3	
32 Methyl tert-butyl ether	73	7.684	7.684	0.000	84	788212	25.0	24.9	
35 trans-1,2-Dichloroethene	96	7.769	7.769	0.000	87	303523	25.0	28.4	
34 Acrylonitrile	53	7.805	7.805	0.000	98	2536869	250.0	234.6	
36 Hexane	57	7.970	7.970	0.000	92	633906	25.0	25.2	
38 Vinyl acetate	43	8.268	8.268	0.000	96	3052373	50.0	49.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
40 1,1-Dichloroethane	63	8.322	8.335	-0.013	96	662568	25.0	25.2	
44 2-Butanone (MEK)	43	9.010	9.010	0.000	95	1789402	125.0	117.0	
45 2,2-Dichloropropane	77	9.028	9.022	0.006	77	360388	25.0	28.5	
43 cis-1,2-Dichloroethene	96	9.046	9.040	0.006	89	343625	25.0	27.2	
50 Chlorobromomethane	128	9.375	9.381	-0.006	79	168342	25.0	29.5	
51 Tetrahydrofuran	42	9.387	9.387	0.000	91	482621	50.0	44.3	
49 Chloroform	83	9.411	9.411	0.000	91	499469	25.0	28.1	
52 1,1,1-Trichloroethane	97	9.643	9.637	0.006	94	448292	25.0	27.0	
54 Cyclohexane	56	9.685	9.691	-0.006	92	877183	25.0	23.8	
56 1,1-Dichloropropene	75	9.819	9.819	0.000	82	362627	25.0	26.3	
53 Isobutyl alcohol	43	9.831	9.837	-0.006	93	912833	625.0	570.4	
55 Carbon tetrachloride	117	9.837	9.837	0.000	92	390817	25.0	26.8	
57 Benzene	78	10.117	10.117	0.000	91	1089629	25.0	26.8	
60 1,2-Dichloroethane	62	10.172	10.178	-0.006	79	527585	25.0	23.5	
59 n-Heptane	43	10.178	10.178	0.000	89	717158	25.0	25.5	
62 Trichloroethene	95	10.872	10.878	-0.006	93	311937	25.0	28.5	
64 Methylcyclohexane	83	11.072	11.072	0.000	87	387962	25.0	26.6	
63 1,2-Dichloropropane	63	11.218	11.218	0.000	87	404998	25.0	26.8	
68 1,4-Dioxane	88	11.334	11.328	0.006	87	40927	500.0	380.7	
69 Dibromomethane	93	11.425	11.425	0.000	93	189380	25.0	26.0	
70 Dichlorobromomethane	83	11.553	11.553	0.000	93	396837	25.0	28.6	
71 2-Chloroethyl vinyl ether	63	11.802	11.802	0.000	78	246510	25.0	23.5	
73 cis-1,3-Dichloropropene	75	12.082	12.088	-0.006	79	453399	25.0	26.5	
75 4-Methyl-2-pentanone (MIBK)	43	12.192	12.192	0.000	95	3663351	125.0	104.1	
76 Toluene	92	12.508	12.508	0.000	96	712248	25.0	23.1	
77 Ethyl methacrylate	69	12.727	12.727	0.000	81	338503	25.0	21.3	
78 trans-1,3-Dichloropropene	75	12.800	12.800	0.000	84	426623	25.0	23.3	
79 1,1,2-Trichloroethane	83	13.086	13.086	0.000	94	224828	25.0	23.6	
80 Tetrachloroethene	166	13.238	13.232	0.006	94	324897	25.0	25.0	
83 2-Hexanone	43	13.275	13.274	0.000	96	2693610	125.0	105.5	
82 1,3-Dichloropropane	76	13.317	13.323	-0.006	85	416394	25.0	22.3	
81 Chlorodibromomethane	129	13.658	13.664	-0.006	89	331934	25.0	24.5	
85 Ethylene Dibromide	107	13.859	13.858	0.000	100	294455	25.0	24.3	
87 Chlorobenzene	112	14.418	14.418	0.000	96	865975	25.0	23.9	
89 Ethylbenzene	91	14.461	14.461	0.000	97	1315832	25.0	23.2	
88 1,1,1,2-Tetrachloroethane	131	14.497	14.497	0.000	94	318486	25.0	25.1	
90 m-Xylene & p-Xylene	106	14.595	14.595	0.000	0	558694	25.0	25.1	
93 o-Xylene	106	15.142	15.148	-0.006	96	545333	25.0	24.8	
94 Styrene	104	15.173	15.172	0.000	90	890334	25.0	23.5	
92 Bromoform	173	15.556	15.562	-0.006	95	231568	25.0	24.1	
95 Isopropylbenzene	105	15.574	15.574	0.000	95	1279083	25.0	21.3	
97 1,1,2,2-Tetrachloroethane	83	16.043	16.042	0.000	96	359065	25.0	21.1	
99 N-Propylbenzene	91	16.097	16.097	0.000	98	1498764	25.0	20.6	
98 trans-1,4-Dichloro-2-buten	53	16.091	16.097	-0.006	42	188996	25.0	15.3	
100 Bromobenzene	156	16.122	16.122	0.000	82	406714	25.0	21.7	
101 1,2,3-Trichloropropane	110	16.140	16.140	0.000	83	108469	25.0	19.6	
102 1,3,5-Trimethylbenzene	105	16.286	16.286	0.000	95	1088933	25.0	21.3	
103 2-Chlorotoluene	126	16.310	16.304	0.006	96	351303	25.0	22.4	
105 4-Chlorotoluene	126	16.438	16.438	0.000	97	361860	25.0	22.0	
106 tert-Butylbenzene	134	16.724	16.724	0.000	95	247609	25.0	22.8	
107 1,2,4-Trimethylbenzene	105	16.791	16.791	0.000	96	1164328	25.0	21.6	
109 sec-Butylbenzene	105	16.992	16.991	0.000	95	1292345	25.0	21.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
112 4-Isopropyltoluene	119	17.144	17.138	0.006	98	1231789	25.0	22.4	
110 1,3-Dichlorobenzene	146	17.259	17.259	0.000	98	728763	25.0	22.2	
111 1,4-Dichlorobenzene	146	17.363	17.363	0.000	94	756330	25.0	22.5	
115 n-Butylbenzene	91	17.655	17.655	0.000	97	963164	25.0	20.4	
116 1,2-Dichlorobenzene	146	17.862	17.861	0.000	97	709088	25.0	22.0	
117 1,2-Dibromo-3-Chloropropan	75	18.908	18.914	-0.006	81	67297	25.0	17.1	
119 1,2,4-Trichlorobenzene	180	20.015	20.015	0.000	94	487131	25.0	21.7	
120 Hexachlorobutadiene	225	20.131	20.131	0.000	96	175357	25.0	22.2	
121 Naphthalene	128	20.459	20.459	0.000	97	1286607	25.0	20.1	
122 1,2,3-Trichlorobenzene	180	20.836	20.843	-0.006	96	452850	25.0	21.0	

Reagents:

GAS CORP mix_00259	Amount Added: 12.50	Units: uL	
8260 CORP mix_00118	Amount Added: 12.50	Units: uL	
P 8260 IS_00280	Amount Added: 1.25	Units: uL	Run Reagent
P 8260 Surr._00261	Amount Added: 1.25	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95545P.D

Injection Date: 15-Jan-2018 10:27:30

Instrument ID: HP5973P

Lims ID: LCS

Operator ID: RB

Client ID:

Worklist Smp#: 5

Purge Vol: 5.000 mL

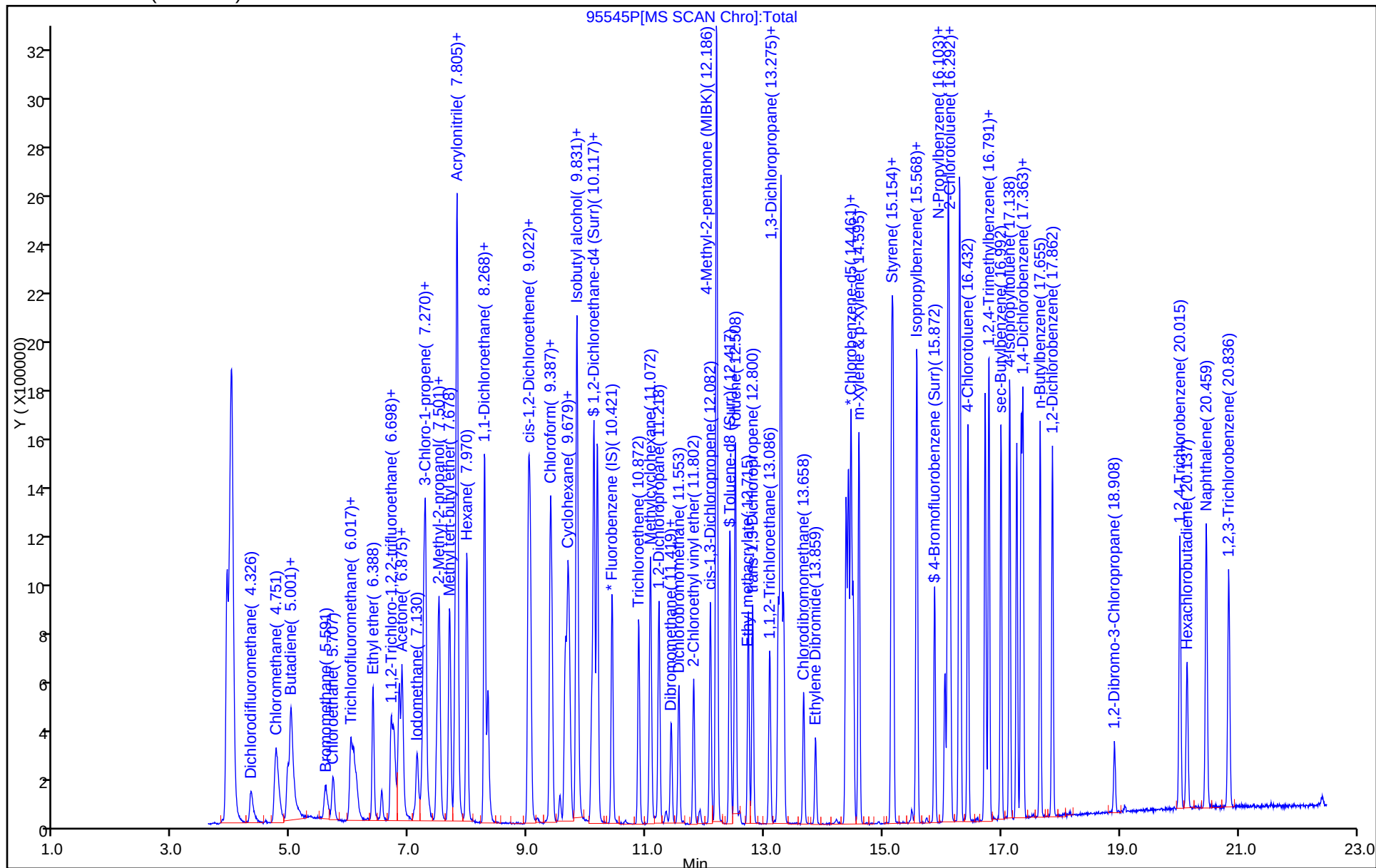
Dil. Factor: 1.0000

ALS Bottle#: 100

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-395851/5

Matrix: Water Lab File ID: T3834.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 14:25

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.: 395851 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	26.7		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	26.0		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	28.5		1.0	0.31
79-00-5	1,1,2-Trichloroethane	25.7		1.0	0.23
75-34-3	1,1-Dichloroethane	26.6		1.0	0.38
75-35-4	1,1-Dichloroethene	25.3		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.1		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	26.4		1.0	0.39
106-93-4	1,2-Dibromoethane	26.0		1.0	0.73
95-50-1	1,2-Dichlorobenzene	26.3		1.0	0.79
107-06-2	1,2-Dichloroethane	24.6		1.0	0.21
78-87-5	1,2-Dichloropropane	24.2		1.0	0.72
541-73-1	1,3-Dichlorobenzene	26.3		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.7		1.0	0.84
78-93-3	2-Butanone (MEK)	246		10	1.3
591-78-6	2-Hexanone	127		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	130		5.0	2.1
67-64-1	Acetone	126		10	3.0
71-43-2	Benzene	26.3		1.0	0.41
75-27-4	Bromodichloromethane	25.8		1.0	0.39
75-25-2	Bromoform	27.1		1.0	0.26
74-83-9	Bromomethane	24.1		1.0	0.69
75-15-0	Carbon disulfide	26.5		1.0	0.19
56-23-5	Carbon tetrachloride	26.9		1.0	0.27
108-90-7	Chlorobenzene	25.7		1.0	0.75
75-00-3	Chloroethane	23.0		1.0	0.32
67-66-3	Chloroform	23.6		1.0	0.34
74-87-3	Chloromethane	25.2		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.3		1.0	0.36
110-82-7	Cyclohexane	26.6		1.0	0.18
124-48-1	Dibromochloromethane	26.8		1.0	0.32
75-71-8	Dichlorodifluoromethane	25.9		1.0	0.68
100-41-4	Ethylbenzene	25.4		1.0	0.74
98-82-8	Isopropylbenzene	25.6		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-395851/5

Matrix: Water Lab File ID: T3834.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 14:25

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.: 395851 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	49.8		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.9		1.0	0.16
108-87-2	Methylcyclohexane	26.0		1.0	0.16
75-09-2	Methylene Chloride	24.3		1.0	0.44
100-42-5	Styrene	25.5		1.0	0.73
127-18-4	Tetrachloroethene	27.7		1.0	0.36
108-88-3	Toluene	25.6		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.5		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.7		1.0	0.37
79-01-6	Trichloroethene	25.3		1.0	0.46
75-69-4	Trichlorofluoromethane	24.7		1.0	0.88
75-01-4	Vinyl chloride	24.6		1.0	0.90
1330-20-7	Xylenes, Total	51.2		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T3834.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 15-Jan-2018 14:25:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: lcs
 Misc. Info.: 480-0068583-005
 Operator ID: RR Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180115-68583.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 09:42:17 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: reiler

Date: 15-Jan-2018 15:23:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.869	4.869	0.000	98	145690	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	87	582281	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	70	316934	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.413	4.403	0.010	93	185129	25.0	24.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.662	4.652	0.010	0	227054	25.0	24.5	
\$ 6 Toluene-d8 (Surr)	98	6.051	6.040	0.011	94	655258	25.0	24.9	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.000	87	211416	25.0	24.9	
11 Dichlorodifluoromethane	85	1.242	1.232	0.010	99	260696	25.0	25.9	
12 Chlorodifluoromethane	51	1.263	1.253	0.010	97	316310	25.0	26.0	
13 Chloromethane	50	1.418	1.398	0.020	99	320369	25.0	25.2	
14 Vinyl chloride	62	1.491	1.481	0.010	97	270917	25.0	24.6	
151 Butadiene	54	1.501	1.491	0.010	93	273150	25.0	25.2	
15 Bromomethane	94	1.791	1.781	0.010	93	151334	25.0	24.1	
16 Chloroethane	64	1.854	1.843	0.011	98	139672	25.0	23.0	
17 Trichlorofluoromethane	101	2.061	2.051	0.010	97	330272	25.0	24.7	
18 Dichlorofluoromethane	67	2.071	2.061	0.010	96	341899	25.0	23.8	
19 Ethyl ether	59	2.310	2.310	0.011	96	186922	25.0	24.8	M
148 Ethanol	45	2.310	2.331	-0.020	71	210944	1000.0	5582.2	E
84 Propene oxide	58	2.403	2.393	0.010	95	251676	NC	NC	
21 Acrolein	56	2.486	2.476	0.010	99	156238	125.0	117.4	
22 1,1-Dichloroethene	96	2.517	2.507	0.010	95	172962	25.0	25.3	
20 1,1,2-Trichloro-1,2,2-trif	101	2.527	2.517	0.010	95	200527	25.0	28.5	
23 Acetone	43	2.631	2.621	0.010	98	338262	125.0	126.3	
24 Iodomethane	142	2.672	2.662	0.010	99	351414	25.0	26.3	
25 Carbon disulfide	76	2.703	2.693	0.010	99	586172	25.0	26.5	
26 Isopropyl alcohol	45	2.807	2.807	0.000	98	97163	250.0	259.3	
27 3-Chloro-1-propene	41	2.859	2.849	0.010	86	382481	25.0	23.6	
28 Methyl acetate	43	2.900	2.890	0.010	99	310449	50.0	49.8	
29 Acetonitrile	40	2.921	2.921	0.000	98	136448	250.0	265.9	M
30 Methylene Chloride	84	2.994	2.983	0.011	96	199636	25.0	24.3	
31 2-Methyl-2-propanol	59	3.149	3.139	0.010	96	194665	250.0	272.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Methyl tert-butyl ether	73	3.180	3.170	0.010	98	561907	25.0	25.9	
32 trans-1,2-Dichloroethene	96	3.190	3.180	0.010	94	198405	25.0	25.5	
34 Acrylonitrile	53	3.253	3.242	0.011	98	769236	250.0	265.4	
35 Hexane	57	3.346	3.346	0.000	94	352677	25.0	25.7	
36 1,1-Dichloroethane	63	3.553	3.553	0.000	97	401549	25.0	26.6	
37 Isopropyl ether	45	3.564	3.553	0.011	93	864808	25.0	26.0	
39 Vinyl acetate	43	3.595	3.584	0.011	97	1595932	50.0	82.3	
38 2-Chloro-1,3-butadiene	53	3.605	3.595	0.010	97	418429	25.0	25.5	
139 Halothane	117	3.595	3.595	0.000	59	155427	25.0	26.1	
40 1,1-Dimethoxyethane	75	3.626	3.626	0.000	94	183967	125.0	128.5	
41 Tert-butyl ethyl ether	59	3.843	3.844	-0.001	99	806162	25.0	26.5	
42 2,2-Dichloropropane	77	3.999	3.999	0.000	91	318208	25.0	25.3	
43 cis-1,2-Dichloroethene	96	4.020	4.020	0.000	86	226828	25.0	25.1	
44 2-Butanone (MEK)	43	4.061	4.040	0.021	94	873006	125.0	246.2	
45 Ethyl acetate	43	4.061	4.072	-0.011	99	873893	50.0	104.3	
46 Propionitrile	54	4.144	4.144	0.000	99	288397	250.0	268.5	
47 Chlorobromomethane	128	4.216	4.217	-0.001	86	115642	25.0	25.3	
48 Tetrahydrofuran	42	4.227	4.227	0.000	35	169124	50.0	64.9	
49 Methacrylonitrile	41	4.227	4.227	0.000	97	1464931	250.0	270.7	
50 Chloroform	83	4.279	4.279	0.000	95	347747	25.0	23.6	
51 1,1,1-Trichloroethane	97	4.372	4.372	0.000	97	336867	25.0	26.7	
52 Cyclohexane	56	4.382	4.372	0.010	97	428904	25.0	26.6	
54 1,1-Dichloropropene	75	4.496	4.486	0.010	90	263397	25.0	26.9	
53 Carbon tetrachloride	117	4.486	4.486	0.000	97	318501	25.0	26.9	
152 Isooctane	57	4.652	4.641	0.011	96	930029	25.0	29.3	
55 Benzene	78	4.662	4.652	0.010	94	742539	25.0	26.3	
56 Isobutyl alcohol	43	4.662	4.662	0.000	70	386351	625.0	1302.5	
57 1,2-Dichloroethane	62	4.714	4.714	0.000	77	326646	25.0	24.6	
58 Tert-amyl methyl ether	73	4.714	4.714	0.000	92	687154	25.0	26.7	
147 t-Amyl alcohol	59	4.714	4.714	0.000	55	184821	250.0	278.3	
59 n-Heptane	43	4.786	4.787	0.000	96	404248	25.0	24.9	
1 1,4-Difluorobenzene	114	4.963	4.952	0.011	96	598369	25.0	26.2	
141 2,4,4-Trimethyl-1-pentene	55	5.045	5.046	-0.001	98	191191	NC	NC	
60 Trichloroethene	95	5.139	5.139	0.000	95	208816	25.0	25.3	
61 n-Butanol	56	5.159	5.160	-0.001	91	122178	625.0	725.7	
62 Methylcyclohexane	83	5.232	5.232	0.000	72	342550	25.0	26.0	
140 2,4,4-Trimethyl-2-pentene	97	5.232	5.232	0.000	88	425607	NC	NC	
142 Ethyl acrylate	55	5.232	5.232	0.000	95	1141045	25.0	37.3	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	89	215977	25.0	24.2	
64 Methyl methacrylate	41	5.398	5.398	0.000	92	423990	50.0	51.4	
66 1,4-Dioxane	88	5.439	5.439	0.000	94	24859	500.0	619.2	M
65 Dibromomethane	93	5.439	5.439	0.000	94	131179	25.0	25.0	
67 Dichlorobromomethane	83	5.564	5.553	0.011	95	275348	25.0	25.8	
68 2-Nitropropane	43	5.761	5.750	0.011	99	273542	50.0	87.9	
69 2-Chloroethyl vinyl ether	63	5.761	5.761	0.000	92	140977	25.0	24.7	
70 Epichlorohydrin	57	5.843	5.844	-0.001	98	210731	250.0	271.3	
71 cis-1,3-Dichloropropene	75	5.875	5.875	0.000	90	319118	25.0	26.3	
72 4-Methyl-2-pentanone (MIBK)	43	5.978	5.978	0.000	99	1040133	125.0	129.7	
73 Toluene	92	6.092	6.092	0.000	97	488661	25.0	25.6	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	98	305730	25.0	26.7	
77 Ethyl methacrylate	69	6.330	6.331	-0.001	95	233900	25.0	26.2	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	93	141085	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
79 Tetrachloroethene	166	6.496	6.496	0.000	94	234086	25.0	27.7	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	97	288657	25.0	26.0	
81 2-Hexanone	43	6.621	6.621	0.000	98	722096	125.0	126.7	
155 n-Butyl acetate	43	6.693	6.693	0.000	99	353870	25.0	25.3	
82 Chlorodibromomethane	129	6.755	6.755	0.000	90	226418	25.0	26.8	
83 Ethylene Dibromide	107	6.838	6.838	0.000	98	188024	25.0	26.0	
146 1-Chlorohexane	55	7.139	7.139	0.000	88	268489	25.0	26.4	
85 3-Chlorobenzotrifluoride	180	7.149	7.149	0.000	91	323603	25.0	27.5	
86 Chlorobenzene	112	7.191	7.191	0.000	93	566924	25.0	25.7	
87 4-Chlorobenzotrifluoride	180	7.201	7.201	0.000	97	293133	25.0	27.7	
88 Ethylbenzene	91	7.253	7.253	0.000	98	948191	25.0	25.4	
89 1,1,1,2-Tetrachloroethane	131	7.263	7.263	0.000	94	223826	25.0	26.2	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	381401	25.0	25.3	
91 o-Xylene	106	7.667	7.667	0.000	97	377195	25.0	25.9	
92 Styrene	104	7.688	7.688	0.000	95	640241	25.0	25.5	
93 Bromoform	173	7.885	7.885	0.000	94	136178	25.0	27.1	
94 2-Chlorobenzotrifluoride	180	7.885	7.885	0.000	94	315850	25.0	27.3	
95 Isopropylbenzene	105	7.947	7.947	0.000	97	978289	25.0	25.6	
96 Cyclohexanone	55	8.092	8.092	0.000	96	63672	250.0	309.0	
97 Bromobenzene	156	8.227	8.227	0.000	91	261470	25.0	26.4	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	95	213945	25.0	26.0	
99 N-Propylbenzene	91	8.279	8.279	0.000	99	1154614	25.0	26.1	
101 trans-1,4-Dichloro-2-buten	53	8.289	8.289	0.000	78	90199	25.0	25.0	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	91	68127	25.0	24.9	
105 2-Chlorotoluene	126	8.362	8.372	-0.010	96	237777	25.0	26.5	
104 1,3,5-Trimethylbenzene	105	8.413	8.414	-0.001	92	859441	25.0	25.7	
103 3-Chlorotoluene	126	8.413	8.414	-0.001	97	256792	25.0	26.6	M
102 4-Chlorotoluene	91	8.455	8.455	0.000	98	772077	25.0	27.0	
106 tert-Butylbenzene	134	8.673	8.673	0.000	94	193395	25.0	26.2	
107 1,2,4-Trimethylbenzene	105	8.724	8.724	0.000	98	890229	25.0	25.6	
108 Pentachloroethane	167	8.735	8.735	0.000	91	156982	25.0	50.5	
109 sec-Butylbenzene	105	8.849	8.849	0.000	95	1080297	25.0	26.3	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	983634	25.0	26.8	
110 1,3-Dichlorobenzene	146	8.983	8.984	-0.001	98	504970	25.0	26.3	
112 Dicyclopentadiene	66	9.035	9.035	0.000	96	1083486	25.0	25.4	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	95	508099	25.0	25.7	
114 1,2,3-Trimethylbenzene	105	9.077	9.077	0.000	99	943115	25.0	26.6	
150 Benzyl chloride	126	9.180	9.180	0.000	99	112450	25.0	32.3	
115 n-Butylbenzene	91	9.305	9.305	0.000	98	842163	25.0	25.6	
116 1,2-Dichlorobenzene	146	9.367	9.367	0.000	97	483573	25.0	26.3	
117 1,2-Dibromo-3-Chloropropan	75	10.040	10.041	-0.001	82	42579	25.0	26.4	
118 1,3,5-Trichlorobenzene	180	10.165	10.165	0.000	97	385283	25.0	27.7	
119 1,2,4-Trichlorobenzene	180	10.683	10.693	-0.010	95	347746	25.0	26.1	
120 Hexachlorobutadiene	225	10.787	10.787	0.000	96	173687	25.0	26.8	
121 Naphthalene	128	10.901	10.901	0.000	98	826944	25.0	26.1	
122 1,2,3-Trichlorobenzene	180	11.097	11.098	-0.001	96	326031	25.0	26.4	
149 2-Methylnaphthalene	142	11.761	11.761	0.000	92	611092	25.0	26.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00118	Amount Added: 12.50	Units: uL	
GAS CORP mix_00260	Amount Added: 12.50	Units: uL	
3_MCP_Add_WRK_00154	Amount Added: 12.50	Units: uL	
ADD CORP mix_00067	Amount Added: 12.50	Units: uL	
T_8260_IS_00184	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_Surr_00165	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180115-68583.b\\T3834.D

Injection Date: 15-Jan-2018 14:25:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

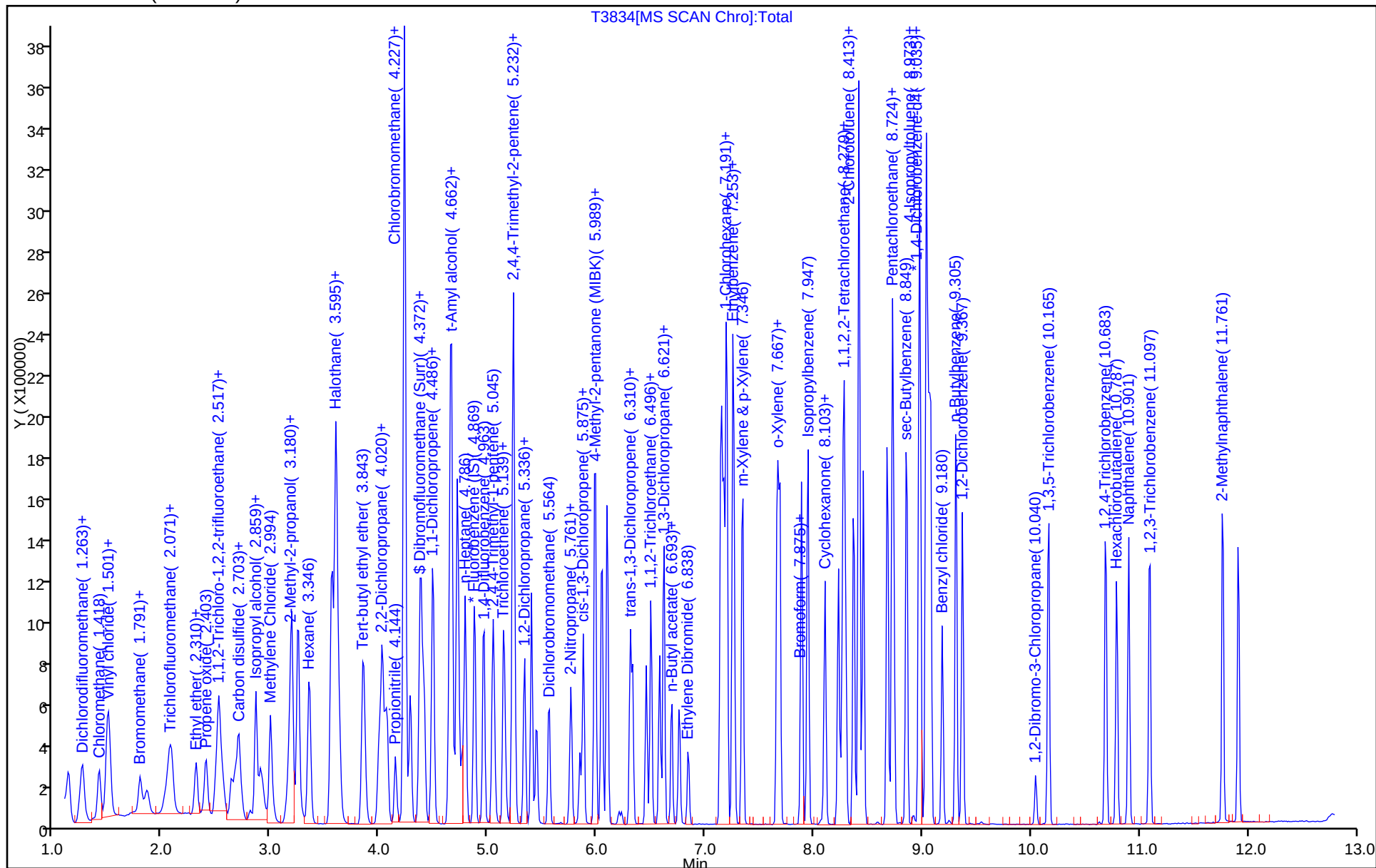
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-395910/5

Matrix: Water Lab File ID: C1714.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 10:08

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 395910 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	26.1		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.7		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26.5		1.0	0.31
79-00-5	1,1,2-Trichloroethane	25.8		1.0	0.23
75-34-3	1,1-Dichloroethane	25.4		1.0	0.38
75-35-4	1,1-Dichloroethene	24.8		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	24.1		1.0	0.39
106-93-4	1,2-Dibromoethane	25.9		1.0	0.73
95-50-1	1,2-Dichlorobenzene	25.3		1.0	0.79
107-06-2	1,2-Dichloroethane	25.2		1.0	0.21
78-87-5	1,2-Dichloropropane	25.7		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.3		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.6		1.0	0.84
78-93-3	2-Butanone (MEK)	131		10	1.3
591-78-6	2-Hexanone	132		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	132		5.0	2.1
67-64-1	Acetone	135		10	3.0
71-43-2	Benzene	25.4		1.0	0.41
75-27-4	Bromodichloromethane	25.5		1.0	0.39
75-25-2	Bromoform	26.3		1.0	0.26
74-83-9	Bromomethane	25.5		1.0	0.69
75-15-0	Carbon disulfide	25.2		1.0	0.19
56-23-5	Carbon tetrachloride	26.6		1.0	0.27
108-90-7	Chlorobenzene	25.2		1.0	0.75
75-00-3	Chloroethane	25.9		1.0	0.32
67-66-3	Chloroform	24.8		1.0	0.34
74-87-3	Chloromethane	27.2		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.0		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.6		1.0	0.36
110-82-7	Cyclohexane	26.7		1.0	0.18
124-48-1	Dibromochloromethane	25.8		1.0	0.32
75-71-8	Dichlorodifluoromethane	30.4		1.0	0.68
100-41-4	Ethylbenzene	25.7		1.0	0.74
98-82-8	Isopropylbenzene	25.8		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-395910/5
 Matrix: Water Lab File ID: C1714.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 10:08
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 395910 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	51.6		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.3		1.0	0.16
108-87-2	Methylcyclohexane	27.3		1.0	0.16
75-09-2	Methylene Chloride	22.6		1.0	0.44
100-42-5	Styrene	26.2		1.0	0.73
127-18-4	Tetrachloroethene	25.9		1.0	0.36
108-88-3	Toluene	25.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.0		1.0	0.37
79-01-6	Trichloroethene	25.2		1.0	0.46
75-69-4	Trichlorofluoromethane	26.9		1.0	0.88
75-01-4	Vinyl chloride	26.1		1.0	0.90
1330-20-7	Xylenes, Total	51.5		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
2037-26-5	Toluene-d8 (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	90		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C1714.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 16-Jan-2018 10:08:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: lcs
 Misc. Info.: 480-0068592-005
 Operator ID: RR Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68592.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 10:39:24 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: reiler

Date: 16-Jan-2018 10:39:24

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	9.345	9.345	0.000	99	183433	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.753	11.752	0.001	84	404486	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	94	428043	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	227341	25.0	22.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	96	121277	25.0	21.5	
\$ 5 Toluene-d8 (Surr)	98	10.579	10.579	0.001	93	860510	25.0	22.8	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.689	0.000	90	368679	25.0	26.9	
10 Dichlorodifluoromethane	85	4.460	4.460	0.000	99	554165	25.0	30.4	
12 Chloromethane	50	4.875	4.875	0.000	99	472851	25.0	27.2	
13 Vinyl chloride	62	5.100	5.088	0.012	98	481100	25.0	26.1	
151 Butadiene	54	5.147	5.147	0.000	96	431301	25.0	27.0	
14 Bromomethane	94	5.705	5.693	0.012	92	378546	25.0	25.5	
15 Chloroethane	64	5.823	5.823	0.000	99	292279	25.0	25.9	
16 Dichlorofluoromethane	67	6.096	6.096	0.000	97	757664	25.0	25.4	
17 Trichlorofluoromethane	101	6.179	6.179	0.000	97	782901	25.0	26.9	
18 Ethyl ether	59	6.476	6.464	0.012	90	284865	25.0	26.3	
20 Acrolein	56	6.689	6.689	0.000	99	233373	125.0	122.7	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	377520	25.0	26.5	
22 1,1-Dichloroethene	96	6.808	6.808	0.000	98	352451	25.0	24.8	
23 Acetone	43	6.843	6.843	0.000	98	619023	125.0	134.6	
25 Iodomethane	142	7.033	7.033	0.000	100	709067	25.0	25.5	
26 Carbon disulfide	76	7.128	7.128	0.000	100	1350315	25.0	25.2	
27 Methyl acetate	43	7.140	7.140	0.000	98	474916	50.0	51.6	
28 3-Chloro-1-propene	41	7.175	7.163	0.012	80	550646	25.0	25.5	
30 Methylene Chloride	84	7.317	7.306	0.011	91	394140	25.0	22.6	
31 2-Methyl-2-propanol	59	7.329	7.329	0.000	98	415779	250.0	272.0	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	96	1150115	25.0	25.3	
33 Acrylonitrile	53	7.543	7.531	0.012	98	1170612	250.0	258.9	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	98	391225	25.0	24.3	
35 Hexane	57	7.721	7.721	0.000	94	438100	25.0	26.2	
37 Vinyl acetate	43	7.899	7.887	0.012	97	1445680	50.0	53.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	7.946	7.946	0.000	96	650398	25.0	25.4	
43 2-Butanone (MEK)	43	8.397	8.397	0.000	100	808209	125.0	130.7	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.012	70	452700	25.0	25.0	
44 2,2-Dichloropropane	77	8.444	8.444	0.000	72	631494	25.0	25.8	
48 Chlorobromomethane	128	8.657	8.658	-0.001	90	231897	25.0	25.3	
50 Chloroform	83	8.681	8.669	0.012	93	709121	25.0	24.8	
49 Tetrahydrofuran	42	8.681	8.681	0.000	83	200347	50.0	51.0	
51 1,1,1-Trichloroethane	97	8.859	8.859	0.000	98	652626	25.0	26.1	
52 Cyclohexane	56	8.907	8.907	-0.001	87	608991	25.0	26.7	
53 Isobutyl alcohol	43	8.918	8.918	0.000	88	460734	625.0	696.2	
54 1,1-Dichloropropene	75	8.966	8.966	0.000	96	520745	25.0	25.6	
55 Carbon tetrachloride	117	9.001	9.001	0.000	97	601977	25.0	26.6	
57 Benzene	78	9.167	9.167	0.000	96	1506519	25.0	25.4	
58 1,2-Dichloroethane	62	9.179	9.167	0.012	98	573177	25.0	25.2	
59 n-Heptane	43	9.203	9.191	0.012	90	388572	25.0	25.7	
62 Trichloroethene	95	9.642	9.630	0.012	96	414860	25.0	25.2	
64 Methylcyclohexane	83	9.796	9.784	0.012	88	602480	25.0	27.3	
65 1,2-Dichloropropane	63	9.843	9.843	0.011	90	368898	25.0	25.7	
66 1,4-Dioxane	88	9.903	9.903	0.000	93	83401	500.0	660.8	
67 Dibromomethane	93	9.962	9.962	0.000	94	269954	25.0	26.2	
68 Dichlorobromomethane	83	10.033	10.033	0.000	98	560444	25.0	25.5	
69 2-Chloroethyl vinyl ether	63	10.164	10.164	0.000	94	227268	25.0	26.8	
72 cis-1,3-Dichloropropene	75	10.353	10.353	0.000	98	628837	25.0	25.6	
73 4-Methyl-2-pentanone (MIBK)	43	10.389	10.389	0.000	97	1654822	125.0	131.5	
74 Toluene	92	10.626	10.626	0.000	98	980253	25.0	25.3	
75 Ethyl methacrylate	69	10.697	10.697	0.000	88	449706	25.0	27.4	
77 trans-1,3-Dichloropropene	75	10.768	10.768	0.000	95	612144	25.0	26.0	
79 1,1,2-Trichloroethane	83	10.946	10.946	0.000	91	285731	25.0	25.8	
80 2-Hexanone	43	11.029	11.029	0.000	96	1219901	125.0	132.3	
81 Tetrachloroethene	166	11.077	11.077	0.000	96	469599	25.0	25.9	
82 1,3-Dichloropropane	76	11.088	11.089	-0.001	91	587295	25.0	25.7	
83 Chlorodibromomethane	129	11.314	11.314	0.000	90	456296	25.0	25.8	
84 Ethylene Dibromide	107	11.444	11.444	0.000	99	369910	25.0	25.9	
87 Chlorobenzene	112	11.776	11.776	0.000	98	1170385	25.0	25.2	
88 Ethylbenzene	91	11.788	11.788	0.000	98	1850576	25.0	25.7	
89 1,1,1,2-Tetrachloroethane	131	11.812	11.812	0.000	94	449719	25.0	25.5	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	97	749278	25.0	25.8	
91 o-Xylene	106	12.215	12.215	0.000	96	733543	25.0	25.7	
92 Styrene	104	12.227	12.227	0.000	93	1217252	25.0	26.2	
94 Isopropylbenzene	105	12.488	12.488	0.000	97	1878313	25.0	25.8	
95 Bromoform	173	12.500	12.500	0.000	97	293908	25.0	26.3	
97 1,1,2,2-Tetrachloroethane	83	12.761	12.761	0.000	96	442146	25.0	25.7	
98 trans-1,4-Dichloro-2-buten	53	12.796	12.796	0.000	94	137316	25.0	27.4	
99 N-Propylbenzene	91	12.844	12.844	0.000	99	2135766	25.0	25.7	
100 1,2,3-Trichloropropane	110	12.844	12.844	0.000	83	151708	25.0	26.5	
101 Bromobenzene	156	12.879	12.879	0.000	88	536443	25.0	25.3	
102 1,3,5-Trimethylbenzene	105	12.950	12.950	0.000	94	1586925	25.0	25.6	
103 2-Chlorotoluene	126	12.998	12.998	0.000	97	476670	25.0	25.2	
105 4-Chlorotoluene	126	13.081	13.081	0.000	98	498922	25.0	25.3	
106 tert-Butylbenzene	134	13.282	13.282	0.000	92	360556	25.0	25.0	
107 1,2,4-Trimethylbenzene	105	13.330	13.318	0.012	97	1668953	25.0	25.4	
109 sec-Butylbenzene	105	13.484	13.484	0.000	94	1884459	25.0	25.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	13.579	13.579	0.000	97	1679787	25.0	25.8	
111 1,3-Dichlorobenzene	146	13.709	13.709	0.000	98	1005925	25.0	25.3	
113 1,4-Dichlorobenzene	146	13.780	13.781	0.000	95	1029701	25.0	25.6	
115 n-Butylbenzene	91	13.994	13.994	0.000	97	1397937	25.0	25.4	
116 1,2-Dichlorobenzene	146	14.195	14.196	-0.001	98	973283	25.0	25.3	
117 1,2-Dibromo-3-Chloropropan	75	15.061	15.061	0.000	87	91229	25.0	24.1	
119 1,2,4-Trichlorobenzene	180	16.105	16.105	0.000	94	699506	25.0	26.0	
120 Hexachlorobutadiene	225	16.223	16.223	0.000	98	256149	25.0	24.2	
121 Naphthalene	128	16.520	16.532	-0.012	97	1713534	25.0	25.9	
122 1,2,3-Trichlorobenzene	180	16.887	16.887	0.000	95	655252	25.0	25.7	

Reagents:

8260 CORP mix_00118	Amount Added: 12.50	Units: uL	
GAS CORP mix_00260	Amount Added: 12.50	Units: uL	
C_8260_IS_00105	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00121	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180116-68592.b\\C1714.D

Injection Date: 16-Jan-2018 10:08:30

Instrument ID: HP5973C

Operator ID: RR

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

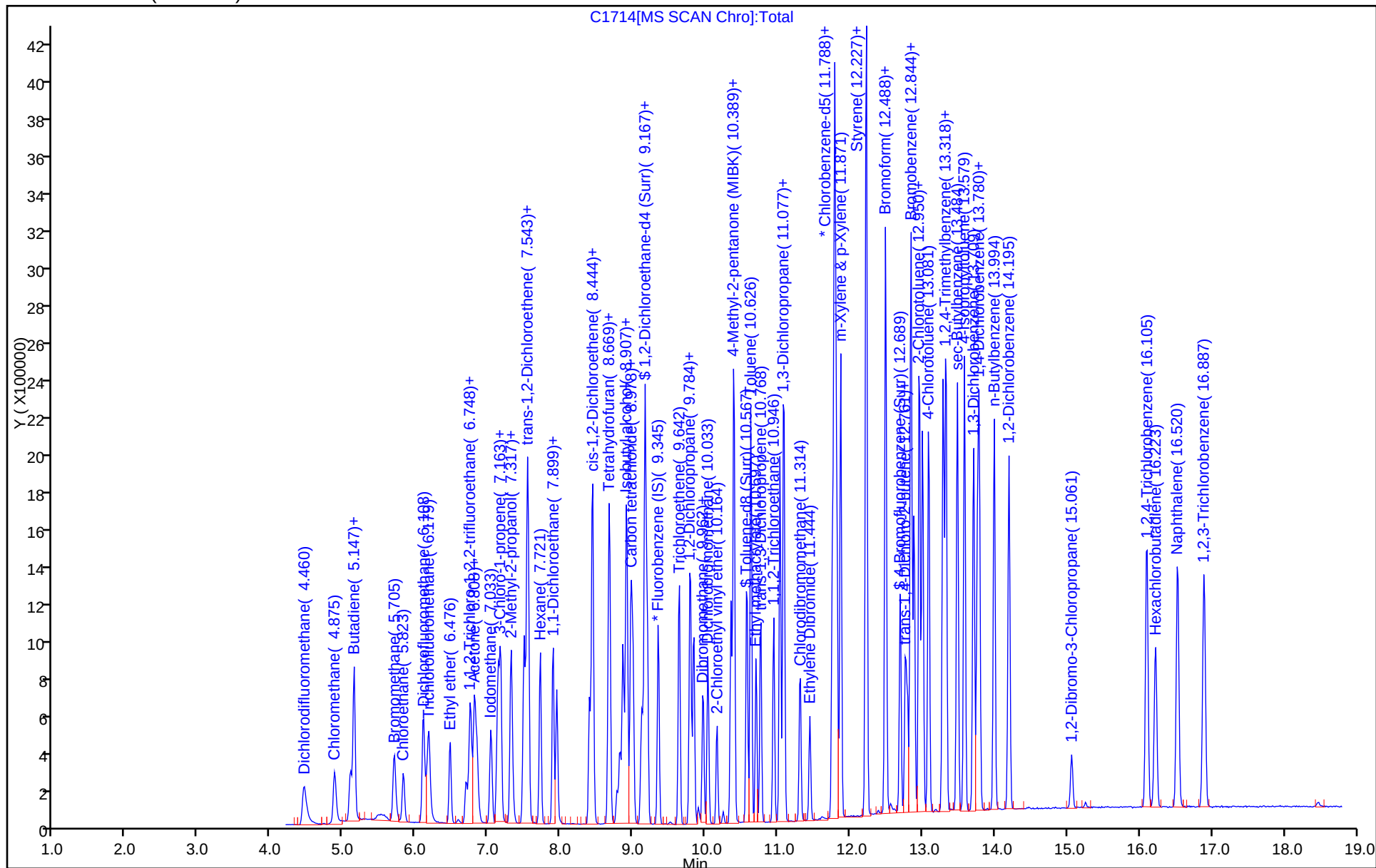
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-395914/5

Matrix: Water Lab File ID: T3863.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 09:35

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.: 395914 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.7		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.9		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	27.5		1.0	0.31
79-00-5	1,1,2-Trichloroethane	24.3		1.0	0.23
75-34-3	1,1-Dichloroethane	25.7		1.0	0.38
75-35-4	1,1-Dichloroethene	25.1		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	26.9		1.0	0.39
106-93-4	1,2-Dibromoethane	25.0		1.0	0.73
95-50-1	1,2-Dichlorobenzene	25.7		1.0	0.79
107-06-2	1,2-Dichloroethane	24.5		1.0	0.21
78-87-5	1,2-Dichloropropane	23.8		1.0	0.72
541-73-1	1,3-Dichlorobenzene	26.0		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.7		1.0	0.84
78-93-3	2-Butanone (MEK)	247		10	1.3
591-78-6	2-Hexanone	125		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	126		5.0	2.1
67-64-1	Acetone	128		10	3.0
71-43-2	Benzene	25.1		1.0	0.41
75-27-4	Bromodichloromethane	25.4		1.0	0.39
75-25-2	Bromoform	25.7		1.0	0.26
74-83-9	Bromomethane	22.9		1.0	0.69
75-15-0	Carbon disulfide	25.6		1.0	0.19
56-23-5	Carbon tetrachloride	26.1		1.0	0.27
108-90-7	Chlorobenzene	24.8		1.0	0.75
75-00-3	Chloroethane	22.0		1.0	0.32
67-66-3	Chloroform	23.4		1.0	0.34
74-87-3	Chloromethane	24.6		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.5		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.5		1.0	0.36
110-82-7	Cyclohexane	26.3		1.0	0.18
124-48-1	Dibromochloromethane	25.7		1.0	0.32
75-71-8	Dichlorodifluoromethane	26.0		1.0	0.68
100-41-4	Ethylbenzene	24.7		1.0	0.74
98-82-8	Isopropylbenzene	25.6		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-395914/5

Matrix: Water Lab File ID: T3863.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 09:35

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.: 395914 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	52.0		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.7		1.0	0.16
108-87-2	Methylcyclohexane	25.8		1.0	0.16
75-09-2	Methylene Chloride	23.8		1.0	0.44
100-42-5	Styrene	25.3		1.0	0.73
127-18-4	Tetrachloroethene	26.7		1.0	0.36
108-88-3	Toluene	24.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.7		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.7		1.0	0.37
79-01-6	Trichloroethene	24.5		1.0	0.46
75-69-4	Trichlorofluoromethane	25.0		1.0	0.88
75-01-4	Vinyl chloride	24.1		1.0	0.90
1330-20-7	Xylenes, Total	49.1		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3863.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 16-Jan-2018 09:35:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: lcs
 Misc. Info.: 480-0068593-005
 Operator ID: RR Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 09:55:57 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: reiler

Date: 16-Jan-2018 09:55:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.869	4.869	0.000	98	140480	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	88	571689	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	71	307053	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.414	4.403	0.011	94	185230	25.0	25.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.652	4.652	0.000	0	226727	25.0	25.3	
\$ 6 Toluene-d8 (Surr)	98	6.041	6.040	0.000	94	641071	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.001	88	213230	25.0	25.6	
11 Dichlorodifluoromethane	85	1.242	1.242	0.000	98	252799	25.0	26.0	
12 Chlorodifluoromethane	51	1.253	1.253	0.000	98	302851	25.0	25.8	
13 Chloromethane	50	1.408	1.408	0.000	98	301251	25.0	24.6	
14 Vinyl chloride	62	1.491	1.491	0.000	98	256642	25.0	24.1	
151 Butadiene	54	1.501	1.501	0.000	94	264528	25.0	25.3	
15 Bromomethane	94	1.792	1.792	0.000	93	138612	25.0	22.9	
16 Chloroethane	64	1.854	1.854	0.000	98	128859	25.0	22.0	
17 Trichlorofluoromethane	101	2.061	2.061	0.000	97	322550	25.0	25.0	
18 Dichlorofluoromethane	67	2.061	2.061	0.000	97	322722	25.0	23.3	
19 Ethyl ether	59	2.310	2.310	0.000	95	174647	25.0	24.1	M
148 Ethanol	45	2.310	2.310	-0.020	71	212741	1000.0	5838.6	E
84 Propene oxide	58	2.393	2.392	0.001	95	243347	NC	NC	
21 Acrolein	56	2.486	2.486	0.000	99	145828	125.0	113.6	
22 1,1-Dichloroethene	96	2.517	2.517	0.000	94	165311	25.0	25.1	
20 1,1,2-Trichloro-1,2,2-trif	101	2.527	2.527	0.000	93	186680	25.0	27.5	
23 Acetone	43	2.631	2.631	0.000	98	329767	125.0	127.7	
24 Iodomethane	142	2.673	2.672	0.001	99	328904	25.0	25.5	
25 Carbon disulfide	76	2.693	2.704	-0.011	99	545091	25.0	25.6	
26 Isopropyl alcohol	45	2.807	2.797	0.010	99	104695	250.0	289.8	
27 3-Chloro-1-propene	41	2.859	2.859	0.000	87	374657	25.0	24.0	
28 Methyl acetate	43	2.901	2.900	0.000	100	312710	50.0	52.0	
29 Acetonitrile	40	2.921	2.921	0.000	98	140455	250.0	283.9	M
30 Methylene Chloride	84	2.994	2.994	0.000	96	188085	25.0	23.8	
31 2-Methyl-2-propanol	59	3.149	3.149	0.000	97	210555	250.0	305.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Methyl tert-butyl ether	73	3.170	3.170	0.000	98	538503	25.0	25.7	
32 trans-1,2-Dichloroethene	96	3.191	3.191	0.000	93	185191	25.0	24.7	
34 Acrylonitrile	53	3.242	3.242	0.000	98	743643	250.0	266.0	
35 Hexane	57	3.346	3.346	0.000	95	328676	25.0	24.8	
37 Isopropyl ether	45	3.553	3.553	0.000	95	830032	25.0	25.9	
36 1,1-Dichloroethane	63	3.553	3.553	0.000	97	375348	25.0	25.7	
139 Halothane	117	3.595	3.584	0.011	58	146529	25.0	25.5	
38 2-Chloro-1,3-butadiene	53	3.595	3.595	0.000	96	417669	25.0	26.4	
39 Vinyl acetate	43	3.595	3.595	0.000	97	1310007	50.0	70.0	M
40 1,1-Dimethoxyethane	75	3.626	3.615	0.011	95	182457	125.0	132.2	
41 Tert-butyl ethyl ether	59	3.844	3.843	0.001	99	772783	25.0	26.3	
42 2,2-Dichloropropane	77	3.999	3.999	0.000	93	303821	25.0	25.0	
43 cis-1,2-Dichloroethene	96	4.020	4.020	0.000	86	213574	25.0	24.5	
44 2-Butanone (MEK)	43	4.061	4.051	0.010	94	843506	125.0	246.7	
45 Ethyl acetate	43	4.061	4.061	0.000	97	841016	50.0	104.1	
46 Propionitrile	54	4.144	4.144	0.000	98	288459	250.0	278.5	
47 Chlorobromomethane	128	4.217	4.217	0.001	84	109636	25.0	24.9	
49 Methacrylonitrile	41	4.227	4.227	0.000	96	1403406	250.0	268.9	
48 Tetrahydrofuran	42	4.227	4.227	0.000	34	162144	50.0	64.5	
50 Chloroform	83	4.279	4.279	0.000	96	332898	25.0	23.4	
51 1,1,1-Trichloroethane	97	4.372	4.372	0.000	98	313357	25.0	25.7	
52 Cyclohexane	56	4.372	4.382	-0.010	96	408271	25.0	26.3	
54 1,1-Dichloropropene	75	4.486	4.486	0.000	88	242858	25.0	25.7	
53 Carbon tetrachloride	117	4.486	4.486	0.000	97	298330	25.0	26.1	
152 Isooctane	57	4.641	4.641	0.000	97	919425	25.0	30.0	
55 Benzene	78	4.662	4.662	0.000	94	683823	25.0	25.1	
56 Isobutyl alcohol	43	4.662	4.672	-0.010	83	386066	625.0	1349.8	
58 Tert-amyl methyl ether	73	4.714	4.714	0.000	94	670965	25.0	27.1	
147 t-Amyl alcohol	59	4.714	4.714	0.000	56	199053	250.0	310.8	
57 1,2-Dichloroethane	62	4.714	4.714	0.000	80	313027	25.0	24.5	
59 n-Heptane	43	4.787	4.786	0.001	96	386500	25.0	24.7	
1 1,4-Difluorobenzene	114	4.952	4.952	0.000	96	579445	25.0	26.3	
141 2,4,4-Trimethyl-1-pentene	55	5.046	5.046	0.001	98	180673	NC	NC	
60 Trichloroethene	95	5.139	5.139	0.000	94	194312	25.0	24.5	
61 n-Butanol	56	5.160	5.149	0.011	91	135850	625.0	836.8	
140 2,4,4-Trimethyl-2-pentene	97	5.232	5.222	0.010	88	412521	NC	NC	
142 Ethyl acrylate	55	5.232	5.222	0.010	95	1093626	25.0	37.0	
62 Methylcyclohexane	83	5.232	5.232	0.000	73	327663	25.0	25.8	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	89	204697	25.0	23.8	
64 Methyl methacrylate	41	5.398	5.398	0.000	91	411242	50.0	51.7	
66 1,4-Dioxane	88	5.439	5.439	0.000	37	29866	500.0	757.7	M
65 Dibromomethane	93	5.439	5.440	0.000	95	126808	25.0	25.0	
67 Dichlorobromomethane	83	5.553	5.554	0.000	95	261357	25.0	25.4	
68 2-Nitropropane	43	5.761	5.750	0.011	98	256506	50.0	85.1	
69 2-Chloroethyl vinyl ether	63	5.761	5.761	0.000	92	134149	25.0	24.4	
70 Epichlorohydrin	57	5.844	5.844	0.001	99	213462	250.0	285.0	
71 cis-1,3-Dichloropropene	75	5.875	5.875	0.000	90	299161	25.0	25.5	
72 4-Methyl-2-pentanone (MIBK)	43	5.978	5.978	0.000	99	992546	125.0	126.0	
73 Toluene	92	6.092	6.092	0.000	97	466094	25.0	24.8	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	96	277813	25.0	24.7	
77 Ethyl methacrylate	69	6.331	6.331	0.000	94	224164	25.0	25.6	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	95	131082	25.0	24.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
79 Tetrachloroethene	166	6.496	6.497	0.000	95	221902	25.0	26.7	
80 1,3-Dichloropropane	76	6.579	6.579	0.000	98	270287	25.0	24.8	
81 2-Hexanone	43	6.621	6.621	0.000	98	696964	125.0	124.6	
155 n-Butyl acetate	43	6.693	6.683	0.010	99	346539	25.0	25.2	
82 Chlorodibromomethane	129	6.756	6.756	0.001	90	212940	25.0	25.7	
83 Ethylene Dibromide	107	6.838	6.839	0.000	98	177811	25.0	25.0	
146 1-Chlorohexane	55	7.139	7.139	0.000	89	265140	25.0	26.5	
85 3-Chlorobenzotrifluoride	180	7.149	7.149	0.000	91	320086	25.0	28.1	
86 Chlorobenzene	112	7.191	7.191	0.000	92	537196	25.0	24.8	
87 4-Chlorobenzotrifluoride	180	7.201	7.201	0.000	96	286113	25.0	27.9	
88 Ethylbenzene	91	7.253	7.253	0.000	98	905664	25.0	24.7	
89 1,1,1,2-Tetrachloroethane	131	7.263	7.263	0.000	94	212659	25.0	25.4	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	360724	25.0	24.4	
91 o-Xylene	106	7.668	7.668	0.001	97	353556	25.0	24.7	
92 Styrene	104	7.688	7.688	0.000	96	624407	25.0	25.3	
94 2-Chlorobenzotrifluoride	180	7.885	7.885	0.000	94	309889	25.0	27.6	
93 Bromoform	173	7.885	7.885	0.000	94	126935	25.0	25.7	
95 Isopropylbenzene	105	7.947	7.947	0.000	96	951066	25.0	25.6	
96 Cyclohexanone	55	8.092	8.092	0.000	95	72954	250.0	367.3	
97 Bromobenzene	156	8.227	8.227	0.000	91	243613	25.0	25.4	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	97	198954	25.0	24.9	
99 N-Propylbenzene	91	8.279	8.279	0.000	98	1096921	25.0	25.6	
101 trans-1,4-Dichloro-2-buten	53	8.289	8.289	0.000	78	88111	25.0	25.2	
100 1,2,3-Trichloropropane	110	8.289	8.289	0.000	91	68053	25.0	25.7	
105 2-Chlorotoluene	126	8.362	8.372	-0.010	96	228664	25.0	26.3	
103 3-Chlorotoluene	126	8.414	8.414	0.001	97	246540	25.0	26.4	M
104 1,3,5-Trimethylbenzene	105	8.414	8.414	0.000	95	812171	25.0	25.1	
102 4-Chlorotoluene	91	8.455	8.455	0.000	98	733375	25.0	26.4	
106 tert-Butylbenzene	134	8.673	8.673	0.000	94	181346	25.0	25.3	
107 1,2,4-Trimethylbenzene	105	8.725	8.725	0.001	97	843128	25.0	25.1	
108 Pentachloroethane	167	8.735	8.735	0.000	91	142965	25.0	47.5	
109 sec-Butylbenzene	105	8.849	8.849	0.000	95	1037846	25.0	26.0	
111 4-Isopropyltoluene	119	8.973	8.973	0.000	97	930536	25.0	26.2	
110 1,3-Dichlorobenzene	146	8.984	8.984	0.000	99	482838	25.0	26.0	
112 Dicyclopentadiene	66	9.035	9.035	0.000	96	1052784	25.0	25.5	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	94	491259	25.0	25.7	
114 1,2,3-Trimethylbenzene	105	9.077	9.077	0.000	99	923448	25.0	26.9	
150 Benzyl chloride	126	9.181	9.181	0.000	99	103408	25.0	30.3	
115 n-Butylbenzene	91	9.305	9.305	0.000	98	810734	25.0	25.4	
116 1,2-Dichlorobenzene	146	9.367	9.367	0.000	97	459221	25.0	25.7	
117 1,2-Dibromo-3-Chloropropan	75	10.041	10.041	0.000	83	42040	25.0	26.9	
118 1,3,5-Trichlorobenzene	180	10.165	10.165	0.000	98	374004	25.0	27.7	
119 1,2,4-Trichlorobenzene	180	10.694	10.694	0.001	94	336049	25.0	26.0	
120 Hexachlorobutadiene	225	10.787	10.787	0.000	96	163544	25.0	26.0	
121 Naphthalene	128	10.901	10.901	0.000	97	806979	25.0	26.3	
122 1,2,3-Trichlorobenzene	180	11.098	11.098	0.000	96	322124	25.0	26.9	
149 2-Methylnaphthalene	142	11.761	11.761	0.000	93	603879	25.0	27.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00118	Amount Added: 12.50	Units: uL	
GAS CORP mix_00260	Amount Added: 12.50	Units: uL	
3_MCP_Add_WRK_00154	Amount Added: 12.50	Units: uL	
ADD CORP mix_00067	Amount Added: 12.50	Units: uL	
T_8260_IS_00184	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_Surr_00165	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180116-68593.b\\T3863.D

Injection Date: 16-Jan-2018 09:35:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

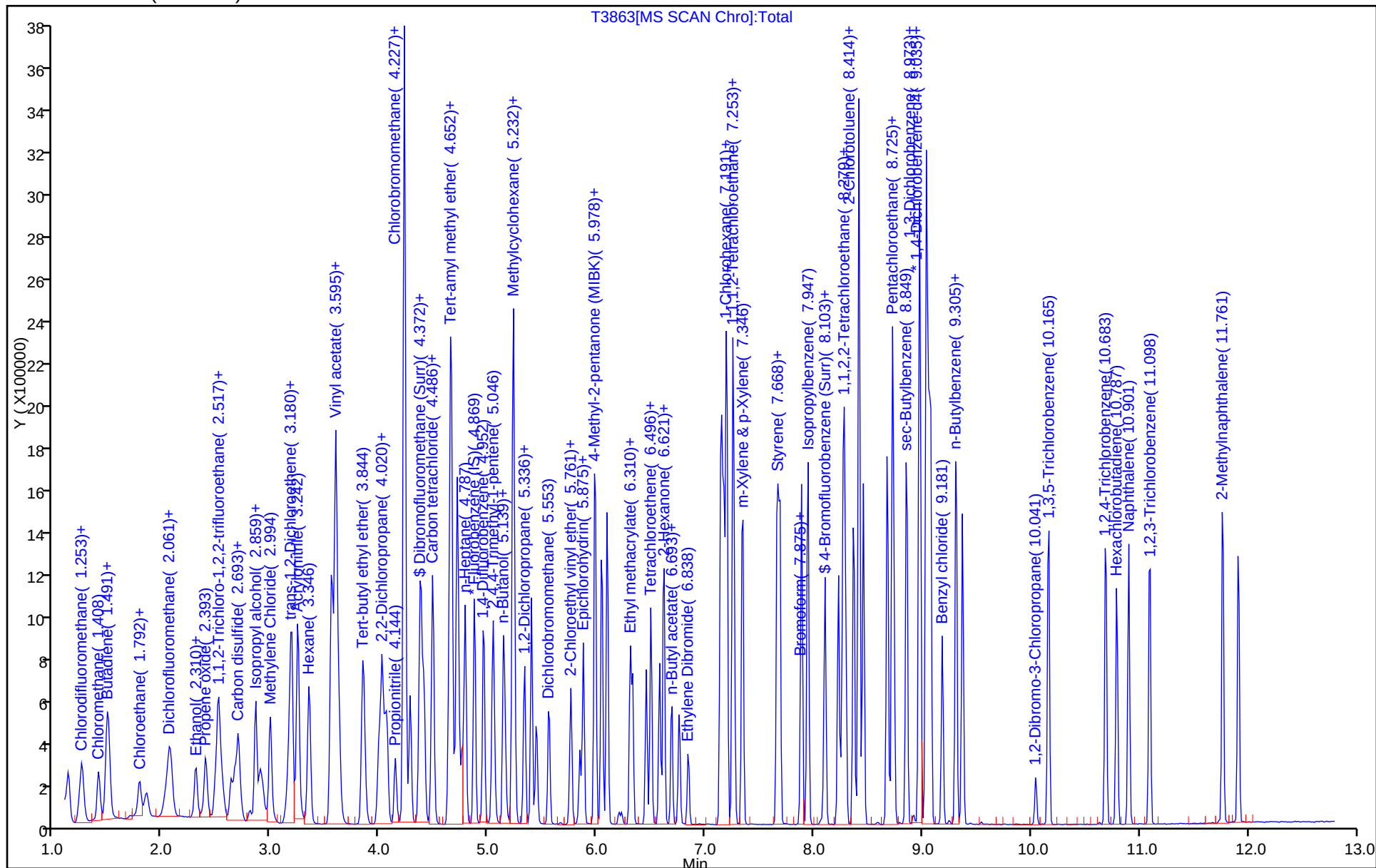
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-396044/4

Matrix: Water Lab File ID: C1740.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 21:25

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 396044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24.7		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.9		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	23.5		1.0	0.31
79-00-5	1,1,2-Trichloroethane	24.5		1.0	0.23
75-34-3	1,1-Dichloroethane	24.0		1.0	0.38
75-35-4	1,1-Dichloroethene	22.5		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	24.5		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	22.4		1.0	0.39
106-93-4	1,2-Dibromoethane	24.7		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.2		1.0	0.79
107-06-2	1,2-Dichloroethane	24.3		1.0	0.21
78-87-5	1,2-Dichloropropane	24.9		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.3		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.5		1.0	0.84
78-93-3	2-Butanone (MEK)	124		10	1.3
591-78-6	2-Hexanone	126		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	124		5.0	2.1
67-64-1	Acetone	129		10	3.0
71-43-2	Benzene	24.4		1.0	0.41
75-27-4	Bromodichloromethane	24.5		1.0	0.39
75-25-2	Bromoform	25.4		1.0	0.26
74-83-9	Bromomethane	23.2		1.0	0.69
75-15-0	Carbon disulfide	23.3		1.0	0.19
56-23-5	Carbon tetrachloride	24.9		1.0	0.27
108-90-7	Chlorobenzene	23.9		1.0	0.75
75-00-3	Chloroethane	23.4		1.0	0.32
67-66-3	Chloroform	23.9		1.0	0.34
74-87-3	Chloromethane	24.6		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	23.9		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.1		1.0	0.36
110-82-7	Cyclohexane	24.0		1.0	0.18
124-48-1	Dibromochloromethane	24.4		1.0	0.32
75-71-8	Dichlorodifluoromethane	24.4		1.0	0.68
100-41-4	Ethylbenzene	24.6		1.0	0.74
98-82-8	Isopropylbenzene	24.5		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-396044/4
 Matrix: Water Lab File ID: C1740.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 21:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 396044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	49.4		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.1		1.0	0.16
108-87-2	Methylcyclohexane	24.6		1.0	0.16
75-09-2	Methylene Chloride	22.6		1.0	0.44
100-42-5	Styrene	25.0		1.0	0.73
127-18-4	Tetrachloroethene	24.2		1.0	0.36
108-88-3	Toluene	24.0		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.4		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.3		1.0	0.37
79-01-6	Trichloroethene	24.4		1.0	0.46
75-69-4	Trichlorofluoromethane	22.2		1.0	0.88
75-01-4	Vinyl chloride	22.4		1.0	0.90
1330-20-7	Xylenes, Total	48.9		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		77-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
2037-26-5	Toluene-d8 (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	87		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1740.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 16-Jan-2018 21:25:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: lcs
 Misc. Info.: 480-0068612-004
 Operator ID: KN Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jan-2018 14:09:20 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: nowakk

Date: 16-Jan-2018 21:53:32

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	9.345	9.345	0.000	99	183405	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.752	11.753	-0.001	85	410080	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	94	431780	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	219709	25.0	21.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.120	9.108	0.012	95	116177	25.0	20.6	
\$ 5 Toluene-d8 (Surr)	98	10.578	10.579	-0.001	93	856354	25.0	22.4	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.701	-0.012	91	375890	25.0	27.0	
10 Dichlorodifluoromethane	85	4.460	4.460	0.000	99	444532	25.0	24.4	
12 Chloromethane	50	4.875	4.887	-0.012	99	427518	25.0	24.6	
13 Vinyl chloride	62	5.100	5.100	0.000	98	414128	25.0	22.4	
151 Butadiene	54	5.147	5.147	0.000	95	361119	25.0	22.6	
14 Bromomethane	94	5.705	5.705	0.000	92	344573	25.0	23.2	
15 Chloroethane	64	5.823	5.835	-0.012	99	264133	25.0	23.4	
16 Dichlorofluoromethane	67	6.096	6.108	-0.012	97	687214	25.0	23.1	
17 Trichlorofluoromethane	101	6.179	6.179	0.000	98	645744	25.0	22.2	
18 Ethyl ether	59	6.475	6.476	-0.001	91	274035	25.0	25.3	
20 Acrolein	56	6.689	6.689	0.000	99	225277	125.0	118.4	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	334127	25.0	23.5	
22 1,1-Dichloroethene	96	6.807	6.808	-0.001	98	319439	25.0	22.5	
23 Acetone	43	6.843	6.843	0.000	99	594132	125.0	129.2	
25 Iodomethane	142	7.033	7.033	0.000	100	671297	25.0	24.1	
26 Carbon disulfide	76	7.128	7.128	0.000	100	1248418	25.0	23.3	
27 Methyl acetate	43	7.140	7.140	0.000	98	454906	50.0	49.4	
28 3-Chloro-1-propene	41	7.175	7.175	0.000	83	521701	25.0	24.1	
30 Methylene Chloride	84	7.317	7.318	-0.001	91	393268	25.0	22.6	
31 2-Methyl-2-propanol	59	7.329	7.318	0.011	98	398642	250.0	260.8	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	95	1098838	25.0	24.1	
33 Acrylonitrile	53	7.543	7.531	0.012	98	1118314	250.0	247.4	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	98	376157	25.0	23.4	
35 Hexane	57	7.721	7.721	0.000	94	387713	25.0	23.2	
37 Vinyl acetate	43	7.898	7.887	0.011	97	1401471	50.0	52.3	

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	7.946	7.946	0.000	96	615722	25.0	24.0	
43 2-Butanone (MEK)	43	8.397	8.397	0.000	100	764817	125.0	123.7	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.000	82	432893	25.0	23.9	
44 2,2-Dichloropropane	77	8.444	8.444	0.000	72	605043	25.0	24.8	
48 Chlorobromomethane	128	8.657	8.658	-0.001	91	228362	25.0	24.9	
50 Chloroform	83	8.681	8.669	0.012	93	682462	25.0	23.9	
49 Tetrahydrofuran	42	8.681	8.681	0.000	85	190715	50.0	48.6	
51 1,1,1-Trichloroethane	97	8.859	8.859	0.000	98	617222	25.0	24.7	
52 Cyclohexane	56	8.906	8.907	-0.001	87	547062	25.0	24.0	
53 Isobutyl alcohol	43	8.918	8.918	0.000	91	431573	625.0	652.3	
54 1,1-Dichloropropene	75	8.966	8.966	0.000	95	499233	25.0	24.5	
55 Carbon tetrachloride	117	9.001	9.001	0.000	96	565010	25.0	24.9	
58 1,2-Dichloroethane	62	9.179	9.167	0.012	98	553585	25.0	24.3	
57 Benzene	78	9.167	9.167	0.000	96	1451707	25.0	24.4	
59 n-Heptane	43	9.203	9.191	0.012	88	357473	25.0	23.6	
62 Trichloroethene	95	9.642	9.642	0.000	96	402354	25.0	24.4	
64 Methylcyclohexane	83	9.796	9.784	0.012	88	542505	25.0	24.6	
65 1,2-Dichloropropane	63	9.843	9.832	0.011	89	357274	25.0	24.9	
66 1,4-Dioxane	88	9.903	9.903	0.000	93	79302	500.0	619.7	
67 Dibromomethane	93	9.962	9.962	0.000	93	256703	25.0	25.0	
68 Dichlorobromomethane	83	10.033	10.033	0.000	99	538486	25.0	24.5	
69 2-Chloroethyl vinyl ether	63	10.163	10.164	-0.001	94	218549	25.0	25.7	
72 cis-1,3-Dichloropropene	75	10.353	10.353	0.000	98	615831	25.0	25.1	
73 4-Methyl-2-pentanone (MIBK)	43	10.389	10.389	0.000	98	1584436	125.0	124.2	
74 Toluene	92	10.626	10.626	0.000	98	944812	25.0	24.0	
75 Ethyl methacrylate	69	10.697	10.697	0.000	88	426345	25.0	25.6	
77 trans-1,3-Dichloropropene	75	10.768	10.768	0.000	95	582020	25.0	24.3	
79 1,1,2-Trichloroethane	83	10.946	10.946	0.000	92	274858	25.0	24.5	
80 2-Hexanone	43	11.029	11.029	0.000	97	1177727	125.0	126.0	
81 Tetrachloroethene	166	11.077	11.077	0.000	96	445667	25.0	24.2	
82 1,3-Dichloropropane	76	11.088	11.089	-0.001	91	563221	25.0	24.3	
83 Chlorodibromomethane	129	11.314	11.302	0.012	89	436944	25.0	24.4	
84 Ethylene Dibromide	107	11.444	11.444	0.000	99	358166	25.0	24.7	
87 Chlorobenzene	112	11.776	11.776	0.000	97	1125814	25.0	23.9	
88 Ethylbenzene	91	11.788	11.788	0.000	98	1795481	25.0	24.6	
89 1,1,1,2-Tetrachloroethane	131	11.824	11.812	0.012	94	437605	25.0	24.5	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	97	722942	25.0	24.5	
91 o-Xylene	106	12.215	12.215	0.000	96	704672	25.0	24.4	
92 Styrene	104	12.227	12.227	0.000	93	1176256	25.0	25.0	
95 Bromoform	173	12.500	12.488	0.012	98	286991	25.0	25.4	
94 Isopropylbenzene	105	12.488	12.488	0.000	96	1801793	25.0	24.5	
97 1,1,2,2-Tetrachloroethane	83	12.760	12.761	-0.001	96	413870	25.0	23.9	
98 trans-1,4-Dichloro-2-buten	53	12.796	12.796	0.000	95	125225	25.0	24.7	
100 1,2,3-Trichloropropane	110	12.843	12.844	-0.001	82	147715	25.0	25.6	
99 N-Propylbenzene	91	12.843	12.844	-0.001	99	2055978	25.0	24.5	
101 Bromobenzene	156	12.891	12.879	0.012	87	520077	25.0	24.3	
102 1,3,5-Trimethylbenzene	105	12.950	12.950	0.000	94	1529817	25.0	24.5	
103 2-Chlorotoluene	126	12.998	12.998	0.000	97	465376	25.0	24.4	
105 4-Chlorotoluene	126	13.081	13.081	0.000	98	493743	25.0	24.9	
106 tert-Butylbenzene	134	13.282	13.282	0.000	92	344788	25.0	23.7	
107 1,2,4-Trimethylbenzene	105	13.330	13.318	0.012	97	1619113	25.0	24.5	
109 sec-Butylbenzene	105	13.484	13.484	0.000	94	1814627	25.0	24.3	

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	13.579	13.579	0.000	97	1635090	25.0	24.9	
111 1,3-Dichlorobenzene	146	13.709	13.709	0.000	98	977789	25.0	24.3	
113 1,4-Dichlorobenzene	146	13.780	13.780	0.000	95	993035	25.0	24.5	
115 n-Butylbenzene	91	13.994	13.994	0.000	98	1345717	25.0	24.2	
116 1,2-Dichlorobenzene	146	14.195	14.196	-0.001	98	936340	25.0	24.2	
117 1,2-Dibromo-3-Chloropropan	75	15.061	15.061	0.000	87	85745	25.0	22.4	
119 1,2,4-Trichlorobenzene	180	16.105	16.105	0.000	95	666510	25.0	24.5	
120 Hexachlorobutadiene	225	16.223	16.223	0.000	98	250899	25.0	23.5	
121 Naphthalene	128	16.531	16.520	0.011	97	1633100	25.0	24.5	
122 1,2,3-Trichlorobenzene	180	16.887	16.887	0.000	96	642735	25.0	24.9	

Reagents:

8260 CORP mix_00118	Amount Added: 12.50	Units: uL	
GAS CORP mix_00260	Amount Added: 12.50	Units: uL	
C_8260_IS_00105	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00122	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180116-68612.b\\C1740.D

Injection Date: 16-Jan-2018 21:25:30

Instrument ID: HP5973C

Operator ID: KN

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

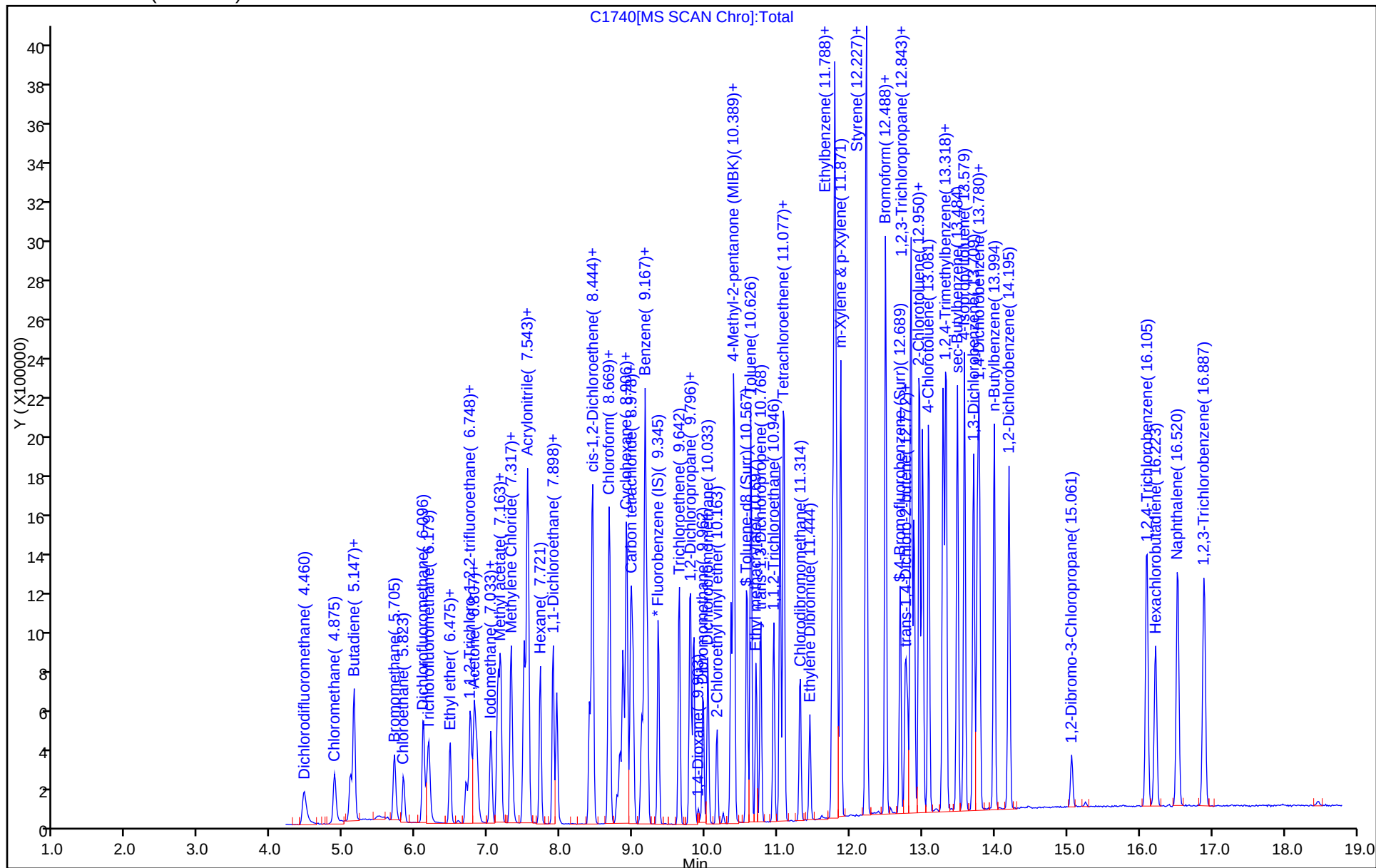
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-4 MS</u>	Lab Sample ID: <u>480-129995-3 MS</u>
Matrix: <u>Water</u>	Lab File ID: <u>95564P.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/08/2018 12:25</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/15/2018 19:25</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>5</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395765</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	139		5.0	4.1
79-34-5	1,1,2,2-Tetrachloroethane	113		5.0	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	136		5.0	1.6
79-00-5	1,1,2-Trichloroethane	111		5.0	1.2
75-34-3	1,1-Dichloroethane	136		5.0	1.9
75-35-4	1,1-Dichloroethene	140		5.0	1.5
120-82-1	1,2,4-Trichlorobenzene	109		5.0	2.1
96-12-8	1,2-Dibromo-3-Chloropropane	93.4		5.0	2.0
106-93-4	1,2-Dibromoethane	120		5.0	3.7
95-50-1	1,2-Dichlorobenzene	115		5.0	4.0
107-06-2	1,2-Dichloroethane	119		5.0	1.1
78-87-5	1,2-Dichloropropane	132		5.0	3.6
541-73-1	1,3-Dichlorobenzene	112		5.0	3.9
106-46-7	1,4-Dichlorobenzene	114		5.0	4.2
78-93-3	2-Butanone (MEK)	791		50	6.6
591-78-6	2-Hexanone	546		25	6.2
108-10-1	4-Methyl-2-pentanone (MIBK)	545		25	11
67-64-1	Acetone	572		50	15
71-43-2	Benzene	138		5.0	2.1
75-27-4	Bromodichloromethane	140		5.0	2.0
75-25-2	Bromoform	115		5.0	1.3
74-83-9	Bromomethane	142		5.0	3.5
75-15-0	Carbon disulfide	137		5.0	0.95
56-23-5	Carbon tetrachloride	136		5.0	1.4
108-90-7	Chlorobenzene	117		5.0	3.8
75-00-3	Chloroethane	697		5.0	1.6
67-66-3	Chloroform	139		5.0	1.7
74-87-3	Chloromethane	143		5.0	1.8
156-59-2	cis-1,2-Dichloroethene	135		5.0	4.1
10061-01-5	cis-1,3-Dichloropropene	126		5.0	1.8
110-82-7	Cyclohexane	122		5.0	0.90
124-48-1	Dibromochloromethane	118		5.0	1.6
75-71-8	Dichlorodifluoromethane	130		5.0	3.4
100-41-4	Ethylbenzene	114		5.0	3.7
98-82-8	Isopropylbenzene	110		5.0	4.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: MW-4 MS Lab Sample ID: 480-129995-3 MS
 Matrix: Water Lab File ID: 95564P.D
 Analysis Method: 8260C Date Collected: 01/08/2018 12:25
 Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 19:25
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 395765 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	232		13	6.5
1634-04-4	Methyl tert-butyl ether	126		5.0	0.80
108-87-2	Methylcyclohexane	132		5.0	0.80
75-09-2	Methylene Chloride	128		5.0	2.2
100-42-5	Styrene	117		5.0	3.7
127-18-4	Tetrachloroethene	120		5.0	1.8
108-88-3	Toluene	125		5.0	2.6
156-60-5	trans-1,2-Dichloroethene	153		5.0	4.5
10061-02-6	trans-1,3-Dichloropropene	109		5.0	1.9
79-01-6	Trichloroethene	140		5.0	2.3
75-69-4	Trichlorofluoromethane	136		5.0	4.4
75-01-4	Vinyl chloride	184		5.0	4.5
1330-20-7	Xylenes, Total	247		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
2037-26-5	Toluene-d8 (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95564P.D
 Lims ID: 480-129995-A-3 MS
 Client ID:
 Sample Type: MS
 Inject. Date: 15-Jan-2018 19:25:30 ALS Bottle#: 100 Worklist Smp#: 27
 Purge Vol: 5.000 mL Dil. Factor: 5.0000
 Sample Info: 480-129995-a-3 ms
 Misc. Info.: 480-0068571-027
 Operator ID: RB Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 10:57:45 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: baroner

Date: 16-Jan-2018 10:58:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.428	10.421	0.007	97	164058	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.376	14.376	0.000	90	410249	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.332	17.332	0.000	93	477648	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.625	9.630	0.001	93	244355	25.0	27.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.081	10.075	0.006	0	148525	25.0	25.3	
\$ 5 Toluene-d8 (Surr)	98	12.411	12.417	-0.006	95	911493	25.0	23.9	
\$ 6 4-Bromofluorobenzene (Surr	174	15.872	15.872	0.000	91	319966	25.0	23.6	
10 Dichlorodifluoromethane	85	4.320	4.326	-0.006	98	309653	25.0	25.9	
11 Chloromethane	50	4.746	4.745	0.001	99	1035816	25.0	28.5	
17 Vinyl chloride	62	4.946	4.970	0.000	97	589161	25.0	36.7	
12 Bromomethane	94	5.579	5.585	-0.006	91	238622	25.0	28.5	
13 Chloroethane	64	5.707	5.713	-0.006	91	1206914	25.0	139.4	E
14 Trichlorofluoromethane	101	6.060	6.065	-0.005	97	492940	25.0	27.1	
16 1,1,2-Trichloro-1,2,2-trif	101	6.729	6.735	-0.006	92	290662	25.0	27.2	
25 1,1-Dichloroethene	96	6.826	6.820	0.006	89	305148	25.0	28.1	
24 Acetone	43	6.881	6.869	0.000	97	1128683	125.0	114.3	
27 Carbon disulfide	76	7.222	7.240	-0.005	96	1131637	25.0	27.4	
30 Methyl acetate	43	7.246	7.252	0.000	98	1152375	50.0	46.4	
31 Methylene Chloride	84	7.501	7.471	0.030	85	324677	25.0	25.5	
32 Methyl tert-butyl ether	73	7.678	7.684	-0.006	86	811403	25.0	25.2	
35 trans-1,2-Dichloroethene	96	7.775	7.775	0.006	88	334198	25.0	30.7	
40 1,1-Dichloroethane	63	8.329	8.335	-0.006	96	728215	25.0	27.3	
44 2-Butanone (MEK)	43	9.010	9.010	0.000	94	2461038	125.0	158.1	
43 cis-1,2-Dichloroethene	96	9.047	9.053	0.007	90	347829	25.0	27.0	
49 Chloroform	83	9.406	9.411	-0.005	92	503200	25.0	27.8	
52 1,1,1-Trichloroethane	97	9.643	9.637	0.006	95	470932	25.0	27.9	
54 Cyclohexane	56	9.685	9.673	-0.006	92	918348	25.0	24.4	
55 Carbon tetrachloride	117	9.837	9.837	0.000	52	404403	25.0	27.3	
57 Benzene	78	10.117	10.117	0.000	91	1144003	25.0	27.6	
60 1,2-Dichloroethane	62	10.172	10.178	-0.006	83	544516	25.0	23.9	
62 Trichloroethene	95	10.872	10.859	-0.006	93	311199	25.0	28.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	11.072	11.072	0.000	88	391223	25.0	26.4	
63 1,2-Dichloropropane	63	11.212	11.218	-0.006	88	406979	25.0	26.5	
70 Dichlorobromomethane	83	11.553	11.553	0.000	93	395565	25.0	28.0	
73 cis-1,3-Dichloropropene	75	12.082	12.088	-0.006	78	438700	25.0	25.2	
75 4-Methyl-2-pentanone (MIBK)	43	12.186	12.204	-0.006	95	3950453	125.0	108.9	
76 Toluene	92	12.508	12.508	0.000	96	795180	25.0	25.1	
78 trans-1,3-Dichloropropene	75	12.800	12.800	0.000	84	412141	25.0	21.8	
79 1,1,2-Trichloroethane	83	13.086	13.086	0.000	94	216795	25.0	22.1	
80 Tetrachloroethene	166	13.232	13.226	0.000	95	322200	25.0	24.1	
83 2-Hexanone	43	13.275	13.275	0.000	96	2873280	125.0	109.2	
81 Chlorodibromomethane	129	13.658	13.664	-0.006	88	329767	25.0	23.7	
85 Ethylene Dibromide	107	13.859	13.859	0.000	99	299951	25.0	24.0	
87 Chlorobenzene	112	14.418	14.418	0.000	96	870674	25.0	23.3	
89 Ethylbenzene	91	14.461	14.461	0.000	96	1339029	25.0	22.9	
90 m-Xylene & p-Xylene	106	14.595	14.595	0.000	0	569424		24.8	
93 o-Xylene	106	15.148	15.142	0.000	96	556553		24.5	
94 Styrene	104	15.173	15.173	0.000	90	917536	25.0	23.5	
92 Bromoform	173	15.556	15.562	-0.006	96	227879	25.0	23.0	
95 Isopropylbenzene	105	15.574	15.574	0.000	96	1288904	25.0	22.1	
97 1,1,2,2-Tetrachloroethane	83	16.043	15.988	0.000	95	372783	25.0	22.6	
110 1,3-Dichlorobenzene	146	17.259	17.253	0.000	97	712779	25.0	22.4	
111 1,4-Dichlorobenzene	146	17.363	17.375	0.000	94	744691	25.0	22.8	
116 1,2-Dichlorobenzene	146	17.862	17.862	0.000	97	720242	25.0	23.0	
117 1,2-Dibromo-3-Chloropropan	75	18.908	18.914	-0.006	82	71309	25.0	18.7	
119 1,2,4-Trichlorobenzene	180	20.015	20.027	0.000	94	473629	25.0	21.7	
S 126 Xylenes, Total	1				0			49.4	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

8260 CORP mix_00118

Amount Added: 12.50

Units: uL

GAS CORP mix_00259

Amount Added: 12.50

Units: uL

P 8260 IS_00280

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr_00261

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95564P.D

Injection Date: 15-Jan-2018 19:25:30

Instrument ID: HP5973P

Operator ID: RB

Lims ID: 480-129995-A-3 MS

Worklist Smp#: 27

Client ID:

Purge Vol: 5.000 mL

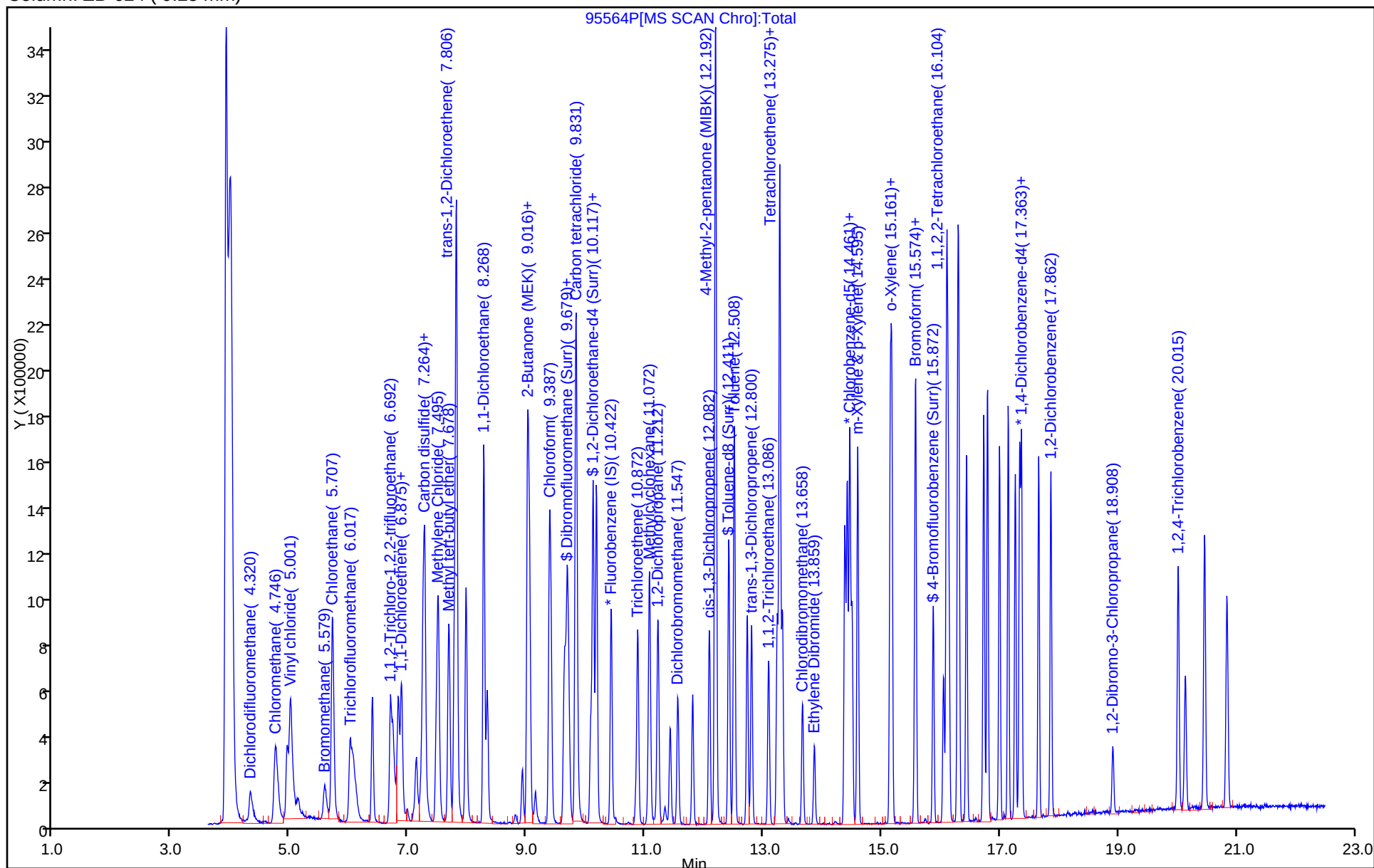
Dil. Factor: 5.0000

ALS Bottle#: 100

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: MW-16S MS Lab Sample ID: 480-129995-7 MS

Matrix: Water Lab File ID: T3885.D

Analysis Method: 8260C Date Collected: 01/09/2018 13:25

Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 18:19

Soil Aliquot Vol: _____ Dilution Factor: 1000

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

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

Analysis Batch No.: 395914 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	28800		1000	820
79-34-5	1,1,2,2-Tetrachloroethane	25700		1000	210
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	31000		1000	310
79-00-5	1,1,2-Trichloroethane	25400		1000	230
75-34-3	1,1-Dichloroethane	27300		1000	380
75-35-4	1,1-Dichloroethene	27600		1000	290
120-82-1	1,2,4-Trichlorobenzene	27200		1000	410
96-12-8	1,2-Dibromo-3-Chloropropane	26500		1000	390
106-93-4	1,2-Dibromoethane	26300		1000	730
95-50-1	1,2-Dichlorobenzene	27100		1000	790
107-06-2	1,2-Dichloroethane	25700		1000	210
78-87-5	1,2-Dichloropropane	25000		1000	720
541-73-1	1,3-Dichlorobenzene	27900		1000	780
106-46-7	1,4-Dichlorobenzene	27100		1000	840
78-93-3	2-Butanone (MEK)	138000		10000	1300
591-78-6	2-Hexanone	132000		5000	1200
108-10-1	4-Methyl-2-pentanone (MIBK)	130000		5000	2100
67-64-1	Acetone	138000		10000	3000
71-43-2	Benzene	28000		1000	410
75-27-4	Bromodichloromethane	27000		1000	390
75-25-2	Bromoform	26400		1000	260
74-83-9	Bromomethane	25100		1000	690
75-15-0	Carbon disulfide	28800		1000	190
56-23-5	Carbon tetrachloride	29200		1000	270
108-90-7	Chlorobenzene	26800		1000	750
75-00-3	Chloroethane	27100		1000	320
67-66-3	Chloroform	25200		1000	340
74-87-3	Chloromethane	26500		1000	350
156-59-2	cis-1,2-Dichloroethene	36900		1000	810
10061-01-5	cis-1,3-Dichloropropene	27000		1000	360
110-82-7	Cyclohexane	29100		1000	180
124-48-1	Dibromochloromethane	26200		1000	320
75-71-8	Dichlorodifluoromethane	28100		1000	680
100-41-4	Ethylbenzene	27200		1000	740
98-82-8	Isopropylbenzene	27600		1000	790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: MW-16S MS Lab Sample ID: 480-129995-7 MS
 Matrix: Water Lab File ID: T3885.D
 Analysis Method: 8260C Date Collected: 01/09/2018 13:25
 Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 18:19
 Soil Aliquot Vol: _____ Dilution Factor: 1000
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 395914 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	50100		2500	1300
1634-04-4	Methyl tert-butyl ether	26400		1000	160
108-87-2	Methylcyclohexane	28100		1000	160
75-09-2	Methylene Chloride	29200		1000	440
100-42-5	Styrene	26700		1000	730
127-18-4	Tetrachloroethene	29200		1000	360
108-88-3	Toluene	27500		1000	510
156-60-5	trans-1,2-Dichloroethene	28000		1000	900
10061-02-6	trans-1,3-Dichloropropene	26200		1000	370
79-01-6	Trichloroethene	27700		1000	460
75-69-4	Trichlorofluoromethane	27900		1000	880
75-01-4	Vinyl chloride	88100		1000	900
1330-20-7	Xylenes, Total	54400		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3885.D
 Lims ID: 480-129995-B-7 MS
 Client ID:
 Sample Type: MS
 Inject. Date: 16-Jan-2018 18:19:30 ALS Bottle#: 27 Worklist Smp#: 35
 Purge Vol: 5.000 mL Dil. Factor: 1000.0000
 Sample Info: 480-129995-b-7 ms
 Misc. Info.: 480-0068593-035
 Operator ID: RR Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 16:33:46 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK031

First Level Reviewer: nowakk

Date: 16-Jan-2018 18:42:18

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	4.869	4.869	0.000	98	143019	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	87	574896	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	95	316399	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.403	4.403	0.000	93	182047	25.0	24.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.652	4.652	0.000	0	224080	25.0	24.6	
\$ 6 Toluene-d8 (Surr)	98	6.040	6.040	0.000	94	643668	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.001	88	210454	25.0	25.1	
11 Dichlorodifluoromethane	85	1.232	1.242	-0.010	98	278245	25.0	28.1	
13 Chloromethane	50	1.408	1.408	0.000	99	330791	25.0	26.5	
14 Vinyl chloride	62	1.481	1.491	-0.010	98	954161	25.0	88.1	
15 Bromomethane	94	1.781	1.792	-0.011	91	154497	25.0	25.1	
16 Chloroethane	64	1.843	1.854	-0.011	98	161474	25.0	27.1	
17 Trichlorofluoromethane	101	2.051	2.061	-0.010	98	365647	25.0	27.9	
22 1,1-Dichloroethene	96	2.507	2.517	-0.010	94	185418	25.0	27.6	
20 1,1,2-Trichloro-1,2,2-trif	101	2.517	2.527	-0.010	94	214216	25.0	31.0	
23 Acetone	43	2.621	2.631	-0.010	98	363260	125.0	138.1	
25 Carbon disulfide	76	2.693	2.704	-0.011	99	625109	25.0	28.8	
28 Methyl acetate	43	2.890	2.900	-0.010	99	307077	50.0	50.1	
30 Methylene Chloride	84	2.983	2.994	-0.011	96	233496	25.0	29.2	
33 Methyl tert-butyl ether	73	3.170	3.170	0.000	98	563115	25.0	26.4	
32 trans-1,2-Dichloroethene	96	3.180	3.191	-0.011	94	214069	25.0	28.0	
36 1,1-Dichloroethane	63	3.553	3.553	0.000	97	405111	25.0	27.3	
43 cis-1,2-Dichloroethene	96	4.020	4.020	0.000	85	327154	25.0	36.9	
44 2-Butanone (MEK)	43	4.040	4.051	-0.011	98	480750	125.0	138.1	
50 Chloroform	83	4.279	4.279	0.000	96	364840	25.0	25.2	
51 1,1,1-Trichloroethane	97	4.372	4.372	0.000	89	356786	25.0	28.8	
52 Cyclohexane	56	4.372	4.382	-0.010	95	461225	25.0	29.1	
53 Carbon tetrachloride	117	4.486	4.486	0.000	97	339678	25.0	29.2	
55 Benzene	78	4.652	4.662	-0.010	95	774799	25.0	28.0	
57 1,2-Dichloroethane	62	4.714	4.714	0.000	97	334103	25.0	25.7	
60 Trichloroethene	95	5.139	5.139	0.000	94	224090	25.0	27.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83	5.232	5.232	0.000	98	363658	25.0	28.1	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	88	219441	25.0	25.0	
67 Dichlorobromomethane	83	5.553	5.553	0.000	96	283157	25.0	27.0	
71 cis-1,3-Dichloropropene	75	5.875	5.875	0.000	88	321465	25.0	27.0	
72 4-Methyl-2-pentanone (MIBK)	43	5.978	5.978	0.000	99	1028547	125.0	129.9	
73 Toluene	92	6.092	6.092	0.000	97	518740	25.0	27.5	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	97	296950	25.0	26.2	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	93	138084	25.0	25.4	
79 Tetrachloroethene	166	6.496	6.496	0.000	95	243476	25.0	29.2	
81 2-Hexanone	43	6.621	6.621	0.000	98	741250	125.0	131.8	
82 Chlorodibromomethane	129	6.755	6.756	0.000	91	218304	25.0	26.2	
83 Ethylene Dibromide	107	6.838	6.838	0.000	97	188095	25.0	26.3	
86 Chlorobenzene	112	7.191	7.191	0.000	93	582565	25.0	26.8	
88 Ethylbenzene	91	7.253	7.253	0.000	98	1003096	25.0	27.2	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	403308		27.1	
91 o-Xylene	106	7.657	7.668	-0.010	98	392341		27.3	
92 Styrene	104	7.688	7.688	0.000	95	661217	25.0	26.7	
93 Bromoform	173	7.885	7.885	0.000	96	130929	25.0	26.4	
95 Isopropylbenzene	105	7.947	7.947	0.000	96	1052881	25.0	27.6	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	96	211687	25.0	25.7	
110 1,3-Dichlorobenzene	146	8.983	8.984	-0.001	98	534166	25.0	27.9	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	96	533568	25.0	27.1	
116 1,2-Dichlorobenzene	146	9.367	9.367	0.000	97	497953	25.0	27.1	
117 1,2-Dibromo-3-Chloropropan	75	10.041	10.041	-0.001	81	42714	25.0	26.5	
119 1,2,4-Trichlorobenzene	180	10.693	10.694	0.000	96	361354	25.0	27.2	
S 126 Xylenes, Total	1				0			54.4	

Reagents:

8260 CORP mix_00118

Amount Added: 12.50

Units: uL

GAS CORP mix_00260

Amount Added: 12.50

Units: uL

T_8260_IS_00184

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00165

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180116-68593.b\\T3885.D

Injection Date: 16-Jan-2018 18:19:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: 480-129995-B-7 MS

Worklist Smp#: 35

Client ID:

Purge Vol: 5.000 mL

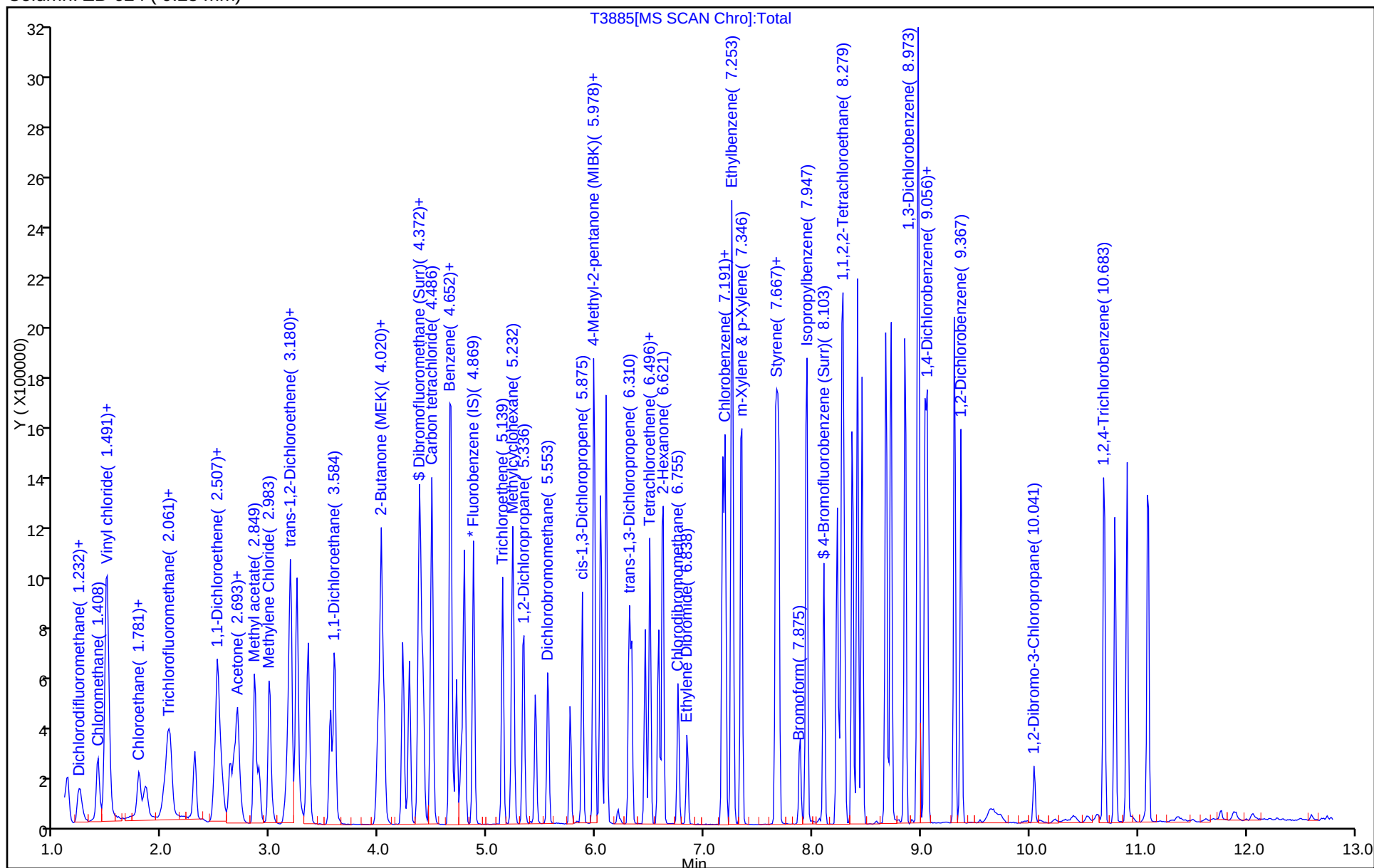
Dil. Factor: 1000.0000

ALS Bottle#: 27

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>DPT-8 MS</u>	Lab Sample ID: <u>480-129995-19 MS</u>
Matrix: <u>Water</u>	Lab File ID: <u>C1760.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/10/2018 11:40</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/17/2018 06:25</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>20</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>396044</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	584		20	16
79-34-5	1,1,2,2-Tetrachloroethane	529		20	4.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	523		20	6.2
79-00-5	1,1,2-Trichloroethane	544		20	4.6
75-34-3	1,1-Dichloroethane	597		20	7.6
75-35-4	1,1-Dichloroethene	530		20	5.8
120-82-1	1,2,4-Trichlorobenzene	526		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	471		20	7.8
106-93-4	1,2-Dibromoethane	541		20	15
95-50-1	1,2-Dichlorobenzene	534		20	16
107-06-2	1,2-Dichloroethane	539		20	4.2
78-87-5	1,2-Dichloropropane	562		20	14
541-73-1	1,3-Dichlorobenzene	525		20	16
106-46-7	1,4-Dichlorobenzene	535		20	17
78-93-3	2-Butanone (MEK)	2510		200	26
591-78-6	2-Hexanone	2530		100	25
108-10-1	4-Methyl-2-pentanone (MIBK)	2690		100	42
67-64-1	Acetone	2210		200	60
71-43-2	Benzene	554		20	8.2
75-27-4	Bromodichloromethane	548		20	7.8
75-25-2	Bromoform	539		20	5.2
74-83-9	Bromomethane	512		20	14
75-15-0	Carbon disulfide	540		20	3.8
56-23-5	Carbon tetrachloride	574		20	5.4
108-90-7	Chlorobenzene	538		20	15
75-00-3	Chloroethane	559		20	6.4
67-66-3	Chloroform	540		20	6.8
74-87-3	Chloromethane	562		20	7.0
156-59-2	cis-1,2-Dichloroethene	977		20	16
10061-01-5	cis-1,3-Dichloropropene	533		20	7.2
110-82-7	Cyclohexane	535		20	3.6
124-48-1	Dibromochloromethane	535		20	6.4
75-71-8	Dichlorodifluoromethane	523		20	14
100-41-4	Ethylbenzene	553		20	15
98-82-8	Isopropylbenzene	547		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: DPT-8 MS Lab Sample ID: 480-129995-19 MS

Matrix: Water Lab File ID: C1760.D

Analysis Method: 8260C Date Collected: 01/10/2018 11:40

Sample wt/vol: 5 (mL) Date Analyzed: 01/17/2018 06:25

Soil Aliquot Vol: _____ Dilution Factor: 20

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 396044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	1090		50	26
1634-04-4	Methyl tert-butyl ether	531		20	3.2
108-87-2	Methylcyclohexane	535		20	3.2
75-09-2	Methylene Chloride	498		20	8.8
100-42-5	Styrene	559		20	15
127-18-4	Tetrachloroethene	549		20	7.2
108-88-3	Toluene	541		20	10
156-60-5	trans-1,2-Dichloroethene	534		20	18
10061-02-6	trans-1,3-Dichloropropene	525		20	7.4
79-01-6	Trichloroethene	566		20	9.2
75-69-4	Trichlorofluoromethane	500		20	18
75-01-4	Vinyl chloride	848		20	18
1330-20-7	Xylenes, Total	1100		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	104		80-120
1868-53-7	Dibromofluoromethane (Surr)	108		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1760.D
 Lims ID: 480-129995-B-19 MS
 Client ID:
 Sample Type: MS
 Inject. Date: 17-Jan-2018 06:25:30 ALS Bottle#: 24 Worklist Smp#: 25
 Purge Vol: 5.000 mL Dil. Factor: 20.0000
 Sample Info: 480-129995-b-19 ms
 Misc. Info.: 480-0068612-025
 Operator ID: KN Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jan-2018 14:27:49 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: reiler

Date: 17-Jan-2018 14:27:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.345	9.345	0.000	99	176220	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.753	11.753	0.000	85	394181	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	95	421071	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	264004	25.0	27.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	97	147344	25.0	27.2	
\$ 5 Toluene-d8 (Surr)	98	10.567	10.579	-0.012	93	955195	25.0	26.0	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.701	-0.012	91	330838	25.0	24.7	
10 Dichlorodifluoromethane	85	4.448	4.460	-0.012	99	458154	25.0	26.2	
12 Chloromethane	50	4.875	4.887	-0.012	99	469895	25.0	28.1	
13 Vinyl chloride	62	5.088	5.100	-0.012	98	752442	25.0	42.4	
14 Bromomethane	94	5.705	5.705	0.000	91	364735	25.0	25.6	
15 Chloroethane	64	5.823	5.835	-0.012	99	303443	25.0	28.0	
17 Trichlorofluoromethane	101	6.179	6.179	0.000	98	698667	25.0	25.0	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	357684	25.0	26.2	
22 1,1-Dichloroethene	96	6.808	6.808	0.000	99	361521	25.0	26.5	
23 Acetone	43	6.843	6.843	0.000	99	488156	125.0	110.5	
26 Carbon disulfide	76	7.128	7.128	0.000	100	1388485	25.0	27.0	
27 Methyl acetate	43	7.140	7.140	0.000	97	480269	50.0	54.3	
30 Methylene Chloride	84	7.318	7.317	0.000	91	416709	25.0	24.9	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	95	1161562	25.0	26.6	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	98	413268	25.0	26.7	
39 1,1-Dichloroethane	63	7.946	7.946	0.000	96	735438	25.0	29.8	
43 2-Butanone (MEK)	43	8.397	8.397	0.000	100	745010	125.0	125.5	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.000	81	848563	25.0	48.8	
50 Chloroform	83	8.681	8.669	0.012	93	740269	25.0	27.0	
51 1,1,1-Trichloroethane	97	8.859	8.859	0.000	98	700533	25.0	29.2	
52 Cyclohexane	56	8.907	8.907	0.000	87	586555	25.0	26.8	
55 Carbon tetrachloride	117	9.001	9.001	0.000	96	625384	25.0	28.7	
58 1,2-Dichloroethane	62	9.179	9.167	0.012	98	588977	25.0	26.9	
57 Benzene	78	9.167	9.156	0.000	96	1581288	25.0	27.7	
62 Trichloroethene	95	9.642	9.642	0.000	96	448220	25.0	28.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	9.796	9.784	0.012	88	567426	25.0	26.8	
65 1,2-Dichloropropane	63	9.843	9.832	0.011	94	386854	25.0	28.1	
68 Dichlorobromomethane	83	10.033	10.033	0.000	98	577912	25.0	27.4	
72 cis-1,3-Dichloropropene	75	10.353	10.353	0.000	98	627964	25.0	26.6	
73 4-Methyl-2-pentanone (MIBK)	43	10.389	10.389	0.000	97	1648789	125.0	134.5	
74 Toluene	92	10.626	10.626	0.000	98	1021930	25.0	27.1	
77 trans-1,3-Dichloropropene	75	10.768	10.768	0.000	95	603442	25.0	26.3	
79 1,1,2-Trichloroethane	83	10.946	10.946	0.000	92	293031	25.0	27.2	
80 2-Hexanone	43	11.029	11.029	0.000	97	1138559	125.0	126.7	
81 Tetrachloroethene	166	11.077	11.077	0.000	96	485196	25.0	27.4	
83 Chlorodibromomethane	129	11.314	11.302	0.012	90	460656	25.0	26.7	
84 Ethylene Dibromide	107	11.444	11.444	0.000	100	376373	25.0	27.0	
87 Chlorobenzene	112	11.776	11.776	0.000	97	1220174	25.0	26.9	
88 Ethylbenzene	91	11.788	11.788	0.000	98	1939310	25.0	27.7	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	97	770107		27.2	
91 o-Xylene	106	12.215	12.215	0.000	94	775152		27.9	
92 Styrene	104	12.227	12.227	0.000	91	1265316	25.0	27.9	
95 Bromoform	173	12.500	12.488	0.012	96	292863	25.0	26.9	
94 Isopropylbenzene	105	12.488	12.488	0.000	97	1962833	25.0	27.4	
97 1,1,2,2-Tetrachloroethane	83	12.761	12.761	0.000	96	446493	25.0	26.4	
111 1,3-Dichlorobenzene	146	13.709	13.709	0.000	98	1028277	25.0	26.3	
113 1,4-Dichlorobenzene	146	13.780	13.780	0.000	95	1057685	25.0	26.7	
116 1,2-Dichlorobenzene	146	14.195	14.196	-0.001	98	1007766	25.0	26.7	
117 1,2-Dibromo-3-Chloropropan	75	15.061	15.061	0.000	86	87935	25.0	23.6	
119 1,2,4-Trichlorobenzene	180	16.105	16.105	0.000	95	696860	25.0	26.3	
S 124 Xylenes, Total	1				0			55.1	

Reagents:

8260 CORP mix_00118

Amount Added: 12.50

Units: uL

GAS CORP mix_00260

Amount Added: 12.50

Units: uL

C_8260_IS_00105

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00122

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20180116-68612.b\\C1760.D

Injection Date: 17-Jan-2018 06:25:30

Instrument ID: HP5973C

Operator ID: KN

Lims ID: 480-129995-B-19 MS

Worklist Smp#: 25

Client ID:

Purge Vol: 5.000 mL

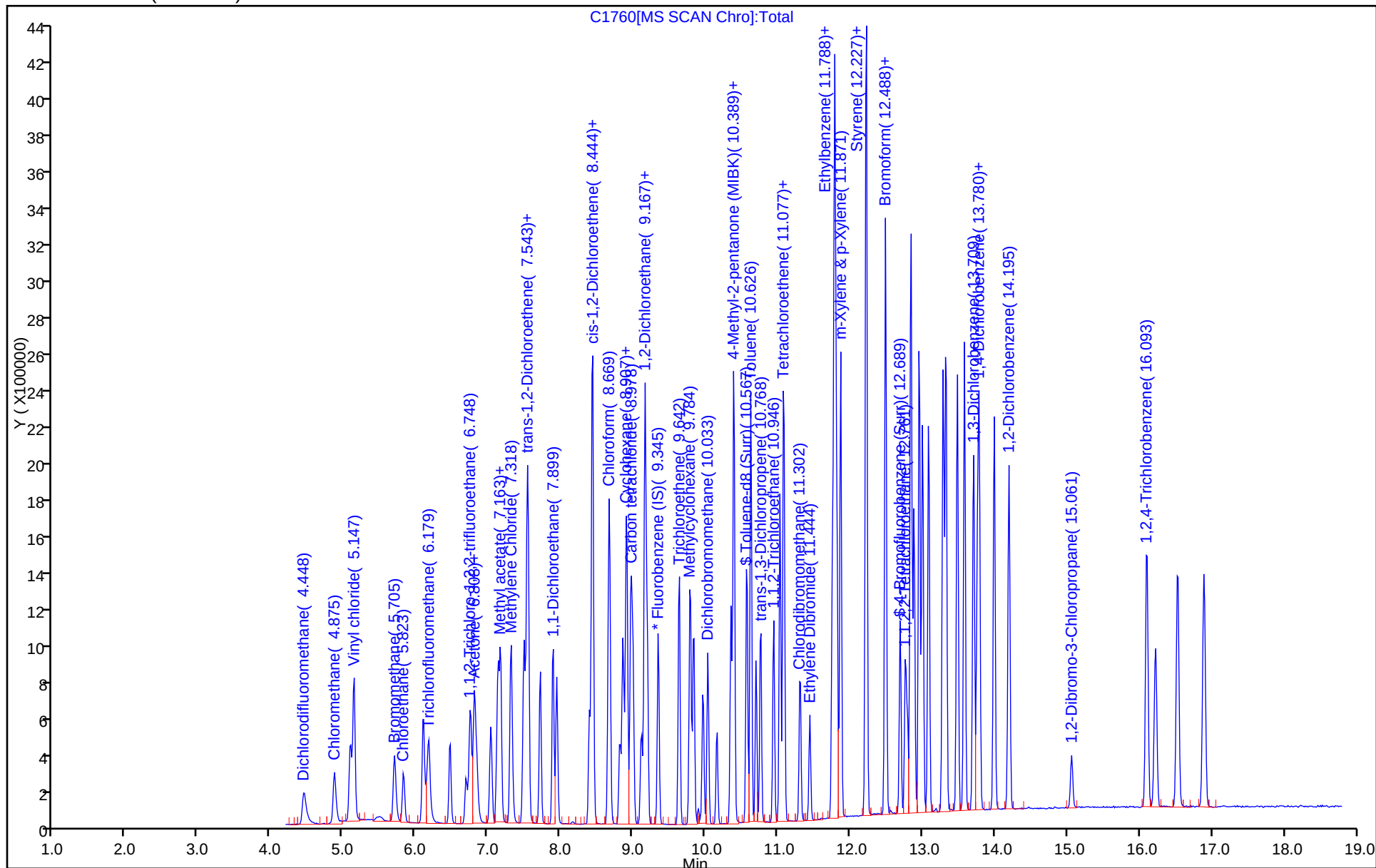
Dil. Factor: 20.0000

ALS Bottle#: 24

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-4 MSD</u>	Lab Sample ID: <u>480-129995-3 MSD</u>
Matrix: <u>Water</u>	Lab File ID: <u>95565P.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/08/2018 12:25</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/15/2018 19:52</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>5</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>395765</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	139		5.0	4.1
79-34-5	1,1,2,2-Tetrachloroethane	109		5.0	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	138		5.0	1.6
79-00-5	1,1,2-Trichloroethane	114		5.0	1.2
75-34-3	1,1-Dichloroethane	136		5.0	1.9
75-35-4	1,1-Dichloroethene	136		5.0	1.5
120-82-1	1,2,4-Trichlorobenzene	108		5.0	2.1
96-12-8	1,2-Dibromo-3-Chloropropane	86.4		5.0	2.0
106-93-4	1,2-Dibromoethane	121		5.0	3.7
95-50-1	1,2-Dichlorobenzene	115		5.0	4.0
107-06-2	1,2-Dichloroethane	120		5.0	1.1
78-87-5	1,2-Dichloropropane	134		5.0	3.6
541-73-1	1,3-Dichlorobenzene	113		5.0	3.9
106-46-7	1,4-Dichlorobenzene	112		5.0	4.2
78-93-3	2-Butanone (MEK)	731		50	6.6
591-78-6	2-Hexanone	493		25	6.2
108-10-1	4-Methyl-2-pentanone (MIBK)	507		25	11
67-64-1	Acetone	526		50	15
71-43-2	Benzene	138		5.0	2.1
75-27-4	Bromodichloromethane	142		5.0	2.0
75-25-2	Bromoform	118		5.0	1.3
74-83-9	Bromomethane	142		5.0	3.5
75-15-0	Carbon disulfide	139		5.0	0.95
56-23-5	Carbon tetrachloride	138		5.0	1.4
108-90-7	Chlorobenzene	118		5.0	3.8
75-00-3	Chloroethane	727		5.0	1.6
67-66-3	Chloroform	140		5.0	1.7
74-87-3	Chloromethane	142		5.0	1.8
156-59-2	cis-1,2-Dichloroethene	138		5.0	4.1
10061-01-5	cis-1,3-Dichloropropene	130		5.0	1.8
110-82-7	Cyclohexane	123		5.0	0.90
124-48-1	Dibromochloromethane	123		5.0	1.6
75-71-8	Dichlorodifluoromethane	131		5.0	3.4
100-41-4	Ethylbenzene	114		5.0	3.7
98-82-8	Isopropylbenzene	111		5.0	4.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: MW-4 MSD Lab Sample ID: 480-129995-3 MSD

Matrix: Water Lab File ID: 95565P.D

Analysis Method: 8260C Date Collected: 01/08/2018 12:25

Sample wt/vol: 5 (mL) Date Analyzed: 01/15/2018 19:52

Soil Aliquot Vol: _____ Dilution Factor: 5

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 395765 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	220		13	6.5
1634-04-4	Methyl tert-butyl ether	126		5.0	0.80
108-87-2	Methylcyclohexane	136		5.0	0.80
75-09-2	Methylene Chloride	133		5.0	2.2
100-42-5	Styrene	117		5.0	3.7
127-18-4	Tetrachloroethene	118		5.0	1.8
108-88-3	Toluene	126		5.0	2.6
156-60-5	trans-1,2-Dichloroethene	157		5.0	4.5
10061-02-6	trans-1,3-Dichloropropene	110		5.0	1.9
79-01-6	Trichloroethene	138		5.0	2.3
75-69-4	Trichlorofluoromethane	137		5.0	4.4
75-01-4	Vinyl chloride	187		5.0	4.5
1330-20-7	Xylenes, Total	248		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	113		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\95565P.D
 Lims ID: 480-129995-A-3 MSD
 Client ID:
 Sample Type: MSD
 Inject. Date: 15-Jan-2018 19:52:30 ALS Bottle#: 100 Worklist Smp#: 28
 Purge Vol: 5.000 mL Dil. Factor: 5.0000
 Sample Info: 480-129995-a-3 msd
 Misc. Info.: 480-0068571-028
 Operator ID: RB Instrument ID: HP5973P
 Method: \\ChromNA\Buffalo\ChromData\HP5973P\20180115-68571.b\P-8260H2O.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 10:57:45 Calib Date: 05-Dec-2017 20:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973P\20171205-67727.b\94712P.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: baroner

Date: 16-Jan-2018 10:59:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	10.421	10.421	0.000	97	161188	25.0	25.0	
* 2 Chlorobenzene-d5	82	14.376	14.376	0.000	91	401606	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	17.332	17.332	0.000	94	474227	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	9.625	9.630	0.000	93	248676	25.0	28.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	10.081	10.075	0.006	0	148651	25.0	25.8	
\$ 5 Toluene-d8 (Surr)	98	12.417	12.417	0.000	95	899721	25.0	24.1	
\$ 6 4-Bromofluorobenzene (Surr	174	15.872	15.872	0.000	91	326955	25.0	24.6	
10 Dichlorodifluoromethane	85	4.326	4.326	0.000	96	308416	25.0	26.3	
11 Chloromethane	50	4.758	4.745	0.013	99	1012215	25.0	28.4	
17 Vinyl chloride	62	4.952	4.970	0.006	97	590103	25.0	37.4	
12 Bromomethane	94	5.585	5.585	0.000	91	234173	25.0	28.4	
13 Chloroethane	64	5.713	5.713	0.000	92	1236229	25.0	145.3	E
14 Trichlorofluoromethane	101	6.072	6.065	0.007	98	487731	25.0	27.3	
16 1,1,2-Trichloro-1,2,2-trif	101	6.735	6.735	0.000	91	290268	25.0	27.7	
25 1,1-Dichloroethene	96	6.826	6.820	0.006	89	291221	25.0	27.3	
24 Acetone	43	6.875	6.869	-0.006	97	1020643	125.0	105.2	
27 Carbon disulfide	76	7.240	7.240	0.013	63	1124826	25.0	27.7	
30 Methyl acetate	43	7.246	7.252	0.000	98	1070864	50.0	43.9	
31 Methylene Chloride	84	7.507	7.471	0.036	84	331778	25.0	26.6	
32 Methyl tert-butyl ether	73	7.678	7.684	-0.006	84	793927	25.0	25.1	
35 trans-1,2-Dichloroethene	96	7.775	7.775	0.006	88	336923	25.0	31.5	
40 1,1-Dichloroethane	63	8.329	8.335	-0.006	96	713856	25.0	27.2	
44 2-Butanone (MEK)	43	9.010	9.010	0.000	94	2236882	125.0	146.3	
43 cis-1,2-Dichloroethene	96	9.040	9.053	0.000	90	347932	25.0	27.5	
49 Chloroform	83	9.412	9.411	0.001	92	499028	25.0	28.1	
52 1,1,1-Trichloroethane	97	9.643	9.637	0.006	95	462609	25.0	27.9	
54 Cyclohexane	56	9.685	9.673	-0.006	92	908755	25.0	24.6	
55 Carbon tetrachloride	117	9.844	9.837	0.007	55	403109	25.0	27.7	
57 Benzene	78	10.117	10.117	0.000	91	1118230	25.0	27.5	
60 1,2-Dichloroethane	62	10.172	10.178	-0.006	86	538506	25.0	24.0	
62 Trichloroethene	95	10.872	10.859	-0.006	92	302229	25.0	27.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	11.072	11.072	0.000	88	395440	25.0	27.2	
63 1,2-Dichloropropane	63	11.218	11.218	0.000	87	404478	25.0	26.8	
70 Dichlorobromomethane	83	11.553	11.553	0.000	93	395199	25.0	28.4	
73 cis-1,3-Dichloropropene	75	12.082	12.088	-0.006	79	445114	25.0	26.0	
75 4-Methyl-2-pentanone (MIBK)	43	12.192	12.204	0.000	95	3601695	125.0	101.4	
76 Toluene	92	12.508	12.508	0.000	96	779681	25.0	25.1	
78 trans-1,3-Dichloropropene	75	12.800	12.800	0.000	84	407704	25.0	22.1	
79 1,1,2-Trichloroethane	83	13.086	13.086	0.000	93	217845	25.0	22.7	
80 Tetrachloroethene	166	13.232	13.226	0.000	94	310203	25.0	23.7	
83 2-Hexanone	43	13.275	13.275	0.000	95	2540553	125.0	98.6	
81 Chlorodibromomethane	129	13.664	13.664	0.000	87	335430	25.0	24.6	
85 Ethylene Dibromide	107	13.859	13.859	0.000	96	295147	25.0	24.1	
87 Chlorobenzene	112	14.418	14.418	0.000	95	862093	25.0	23.6	
89 Ethylbenzene	91	14.461	14.461	0.000	96	1307736	25.0	22.8	
90 m-Xylene & p-Xylene	106	14.595	14.595	0.000	0	557815		24.9	
93 o-Xylene	106	15.148	15.142	0.000	96	550054		24.8	
94 Styrene	104	15.173	15.173	0.000	91	894275	25.0	23.4	
92 Bromoform	173	15.556	15.562	-0.006	93	228535	25.0	23.6	
95 Isopropylbenzene	105	15.574	15.574	0.000	96	1291172	25.0	22.3	
97 1,1,2,2-Tetrachloroethane	83	16.043	15.988	0.000	96	357830	25.0	21.8	
110 1,3-Dichlorobenzene	146	17.259	17.253	0.000	98	714283	25.0	22.6	
111 1,4-Dichlorobenzene	146	17.363	17.375	0.000	93	726312	25.0	22.4	
116 1,2-Dichlorobenzene	146	17.862	17.862	0.000	97	713441	25.0	22.9	
117 1,2-Dibromo-3-Chloropropan	75	18.908	18.914	-0.006	83	65617	25.0	17.3	
119 1,2,4-Trichlorobenzene	180	20.015	20.027	0.000	95	466902	25.0	21.6	
S 126 Xylenes, Total	1				0			49.6	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

8260 CORP mix_00118

Amount Added: 12.50

Units: uL

GAS CORP mix_00259

Amount Added: 12.50

Units: uL

P 8260 IS_00280

Amount Added: 1.25

Units: uL

Run Reagent

P 8260 Surr_00261

Amount Added: 1.25

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973P\\20180115-68571.b\\95565P.D

Injection Date: 15-Jan-2018 19:52:30

Instrument ID: HP5973P

Operator ID: RB

Lims ID: 480-129995-A-3 MSD

Worklist Smp#: 28

Client ID:

Purge Vol: 5.000 mL

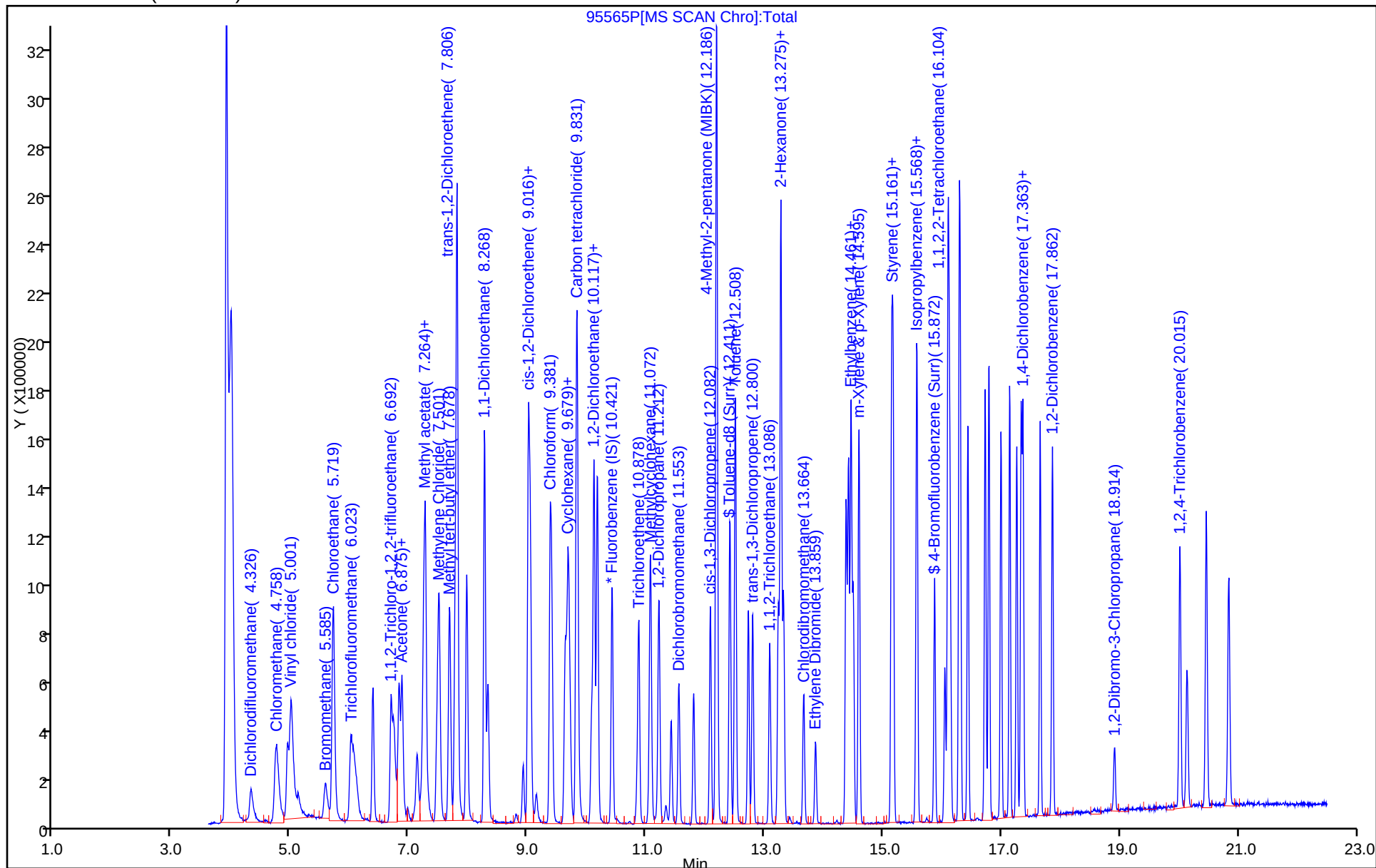
Dil. Factor: 5.0000

ALS Bottle#: 100

Method: P-8260H2O

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Client Sample ID: MW-16S MSD Lab Sample ID: 480-129995-7 MSD

Matrix: Water Lab File ID: T3886.D

Analysis Method: 8260C Date Collected: 01/09/2018 13:25

Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 18:43

Soil Aliquot Vol: _____ Dilution Factor: 1000

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

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

Analysis Batch No.: 395914 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27500		1000	820
79-34-5	1,1,2,2-Tetrachloroethane	25700		1000	210
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	29000		1000	310
79-00-5	1,1,2-Trichloroethane	25700		1000	230
75-34-3	1,1-Dichloroethane	26200		1000	380
75-35-4	1,1-Dichloroethene	27300		1000	290
120-82-1	1,2,4-Trichlorobenzene	26500		1000	410
96-12-8	1,2-Dibromo-3-Chloropropane	25700		1000	390
106-93-4	1,2-Dibromoethane	25900		1000	730
95-50-1	1,2-Dichlorobenzene	26700		1000	790
107-06-2	1,2-Dichloroethane	25500		1000	210
78-87-5	1,2-Dichloropropane	24800		1000	720
541-73-1	1,3-Dichlorobenzene	26300		1000	780
106-46-7	1,4-Dichlorobenzene	25800		1000	840
78-93-3	2-Butanone (MEK)	136000		10000	1300
591-78-6	2-Hexanone	131000		5000	1200
108-10-1	4-Methyl-2-pentanone (MIBK)	129000		5000	2100
67-64-1	Acetone	138000		10000	3000
71-43-2	Benzene	27200		1000	410
75-27-4	Bromodichloromethane	26600		1000	390
75-25-2	Bromoform	26400		1000	260
74-83-9	Bromomethane	24600		1000	690
75-15-0	Carbon disulfide	27200		1000	190
56-23-5	Carbon tetrachloride	27700		1000	270
108-90-7	Chlorobenzene	25900		1000	750
75-00-3	Chloroethane	25600		1000	320
67-66-3	Chloroform	24500		1000	340
74-87-3	Chloromethane	25300		1000	350
156-59-2	cis-1,2-Dichloroethene	36500		1000	810
10061-01-5	cis-1,3-Dichloropropene	26900		1000	360
110-82-7	Cyclohexane	28000		1000	180
124-48-1	Dibromochloromethane	26700		1000	320
75-71-8	Dichlorodifluoromethane	26900		1000	680
100-41-4	Ethylbenzene	26400		1000	740
98-82-8	Isopropylbenzene	26500		1000	790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: MW-16S MSD Lab Sample ID: 480-129995-7 MSD
 Matrix: Water Lab File ID: T3886.D
 Analysis Method: 8260C Date Collected: 01/09/2018 13:25
 Sample wt/vol: 5 (mL) Date Analyzed: 01/16/2018 18:43
 Soil Aliquot Vol: _____ Dilution Factor: 1000
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 395914 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	51000		2500	1300
1634-04-4	Methyl tert-butyl ether	26600		1000	160
108-87-2	Methylcyclohexane	26700		1000	160
75-09-2	Methylene Chloride	29700		1000	440
100-42-5	Styrene	26300		1000	730
127-18-4	Tetrachloroethene	27800		1000	360
108-88-3	Toluene	26700		1000	510
156-60-5	trans-1,2-Dichloroethene	26700		1000	900
10061-02-6	trans-1,3-Dichloropropene	25400		1000	370
79-01-6	Trichloroethene	26400		1000	460
75-69-4	Trichlorofluoromethane	26500		1000	880
75-01-4	Vinyl chloride	83700		1000	900
1330-20-7	Xylenes, Total	52300		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T3886.D
 Lims ID: 480-129995-B-7 MSD
 Client ID:
 Sample Type: MSD
 Inject. Date: 16-Jan-2018 18:43:30 ALS Bottle#: 28 Worklist Smp#: 36
 Purge Vol: 5.000 mL Dil. Factor: 1000.0000
 Sample Info: 480-129995-b-7 msd
 Misc. Info.: 480-0068593-036
 Operator ID: RR Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20180116-68593.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jan-2018 16:57:23 Calib Date: 11-Jan-2018 22:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20180111-68520.b\T3824.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK031

First Level Reviewer: nowakk

Date: 16-Jan-2018 18:59:18

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	4.869	4.869	0.000	98	141464	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.170	7.170	0.000	87	574101	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.035	9.035	0.000	96	315833	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.403	4.403	0.000	92	187871	25.0	26.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.652	4.652	0.000	0	222970	25.0	24.7	
\$ 6 Toluene-d8 (Surr)	98	6.040	6.040	0.000	94	641634	25.0	24.7	
\$ 7 4-Bromofluorobenzene (Surr	174	8.103	8.103	0.001	88	212136	25.0	25.4	
11 Dichlorodifluoromethane	85	1.232	1.242	-0.010	98	263872	25.0	26.9	
13 Chloromethane	50	1.398	1.408	-0.010	99	312308	25.0	25.3	
14 Vinyl chloride	62	1.481	1.491	-0.010	98	896040	25.0	83.7	
15 Bromomethane	94	1.781	1.792	-0.011	94	149917	25.0	24.6	
16 Chloroethane	64	1.843	1.854	-0.011	98	151080	25.0	25.6	
17 Trichlorofluoromethane	101	2.051	2.061	-0.010	73	343838	25.0	26.5	
22 1,1-Dichloroethene	96	2.507	2.517	-0.010	95	180987	25.0	27.3	
20 1,1,2-Trichloro-1,2,2-trif	101	2.517	2.527	-0.010	93	198627	25.0	29.0	
23 Acetone	43	2.621	2.631	-0.010	98	358172	125.0	137.7	
25 Carbon disulfide	76	2.693	2.704	-0.011	99	583953	25.0	27.2	
28 Methyl acetate	43	2.890	2.900	-0.010	99	308933	50.0	51.0	
30 Methylene Chloride	84	2.983	2.994	-0.011	96	234816	25.0	29.7	
33 Methyl tert-butyl ether	73	3.170	3.170	0.000	98	562013	25.0	26.6	
32 trans-1,2-Dichloroethene	96	3.180	3.191	-0.011	94	201483	25.0	26.7	
36 1,1-Dichloroethane	63	3.553	3.553	0.000	97	384665	25.0	26.2	
43 cis-1,2-Dichloroethene	96	4.020	4.020	0.000	85	320746	25.0	36.5	
44 2-Butanone (MEK)	43	4.040	4.051	-0.011	98	467845	125.0	135.9	
50 Chloroform	83	4.279	4.279	0.000	96	350304	25.0	24.5	
51 1,1,1-Trichloroethane	97	4.372	4.372	0.000	97	336991	25.0	27.5	
52 Cyclohexane	56	4.372	4.382	-0.010	95	438136	25.0	28.0	
53 Carbon tetrachloride	117	4.476	4.486	-0.010	97	318850	25.0	27.7	
55 Benzene	78	4.652	4.662	-0.010	95	744879	25.0	27.2	
57 1,2-Dichloroethane	62	4.714	4.714	0.000	97	329109	25.0	25.5	
60 Trichloroethene	95	5.139	5.139	0.000	94	211455	25.0	26.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83	5.232	5.232	0.000	98	340994	25.0	26.7	
63 1,2-Dichloropropane	63	5.336	5.336	0.000	89	215452	25.0	24.8	
67 Dichlorobromomethane	83	5.553	5.553	0.000	96	275414	25.0	26.6	
71 cis-1,3-Dichloropropene	75	5.875	5.875	0.000	89	317189	25.0	26.9	
72 4-Methyl-2-pentanone (MIBK)	43	5.978	5.978	0.000	99	1022857	125.0	129.3	
73 Toluene	92	6.092	6.092	0.000	98	503016	25.0	26.7	
75 trans-1,3-Dichloropropene	75	6.310	6.310	0.000	96	286706	25.0	25.4	
78 1,1,2-Trichloroethane	83	6.455	6.455	0.000	95	139089	25.0	25.7	
79 Tetrachloroethene	166	6.496	6.496	0.000	95	231415	25.0	27.8	
81 2-Hexanone	43	6.621	6.621	0.000	99	736547	125.0	131.1	
82 Chlorodibromomethane	129	6.755	6.756	0.000	89	222360	25.0	26.7	
83 Ethylene Dibromide	107	6.838	6.838	0.000	98	184994	25.0	25.9	
86 Chlorobenzene	112	7.191	7.191	0.000	93	563648	25.0	25.9	
88 Ethylbenzene	91	7.253	7.253	0.000	98	972827	25.0	26.4	
90 m-Xylene & p-Xylene	106	7.346	7.346	0.000	0	386707		26.0	
91 o-Xylene	106	7.667	7.668	0.000	97	377395		26.3	
92 Styrene	104	7.688	7.688	0.000	96	651803	25.0	26.3	
93 Bromoform	173	7.885	7.885	0.000	96	130800	25.0	26.4	
95 Isopropylbenzene	105	7.947	7.947	0.000	96	1012503	25.0	26.5	
98 1,1,2,2-Tetrachloroethane	83	8.258	8.258	0.000	96	211105	25.0	25.7	
110 1,3-Dichlorobenzene	146	8.983	8.984	-0.001	99	503444	25.0	26.3	
113 1,4-Dichlorobenzene	146	9.056	9.056	0.000	95	506716	25.0	25.8	
116 1,2-Dichlorobenzene	146	9.367	9.367	0.000	97	489992	25.0	26.7	
117 1,2-Dibromo-3-Chloropropan	75	10.041	10.041	0.000	82	41349	25.0	25.7	
119 1,2,4-Trichlorobenzene	180	10.683	10.694	-0.010	95	351320	25.0	26.5	
S 126 Xylenes, Total	1				0			52.3	

Reagents:

GAS CORP mix_00260

Amount Added: 12.50

Units: uL

8260 CORP mix_00118

Amount Added: 12.50

Units: uL

T_8260_IS_00184

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00165

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20180116-68593.b\\T3886.D

Injection Date: 16-Jan-2018 18:43:30

Instrument ID: HP5975T

Operator ID: RR

Lims ID: 480-129995-B-7 MSD

Worklist Smp#: 36

Client ID:

Purge Vol: 5.000 mL

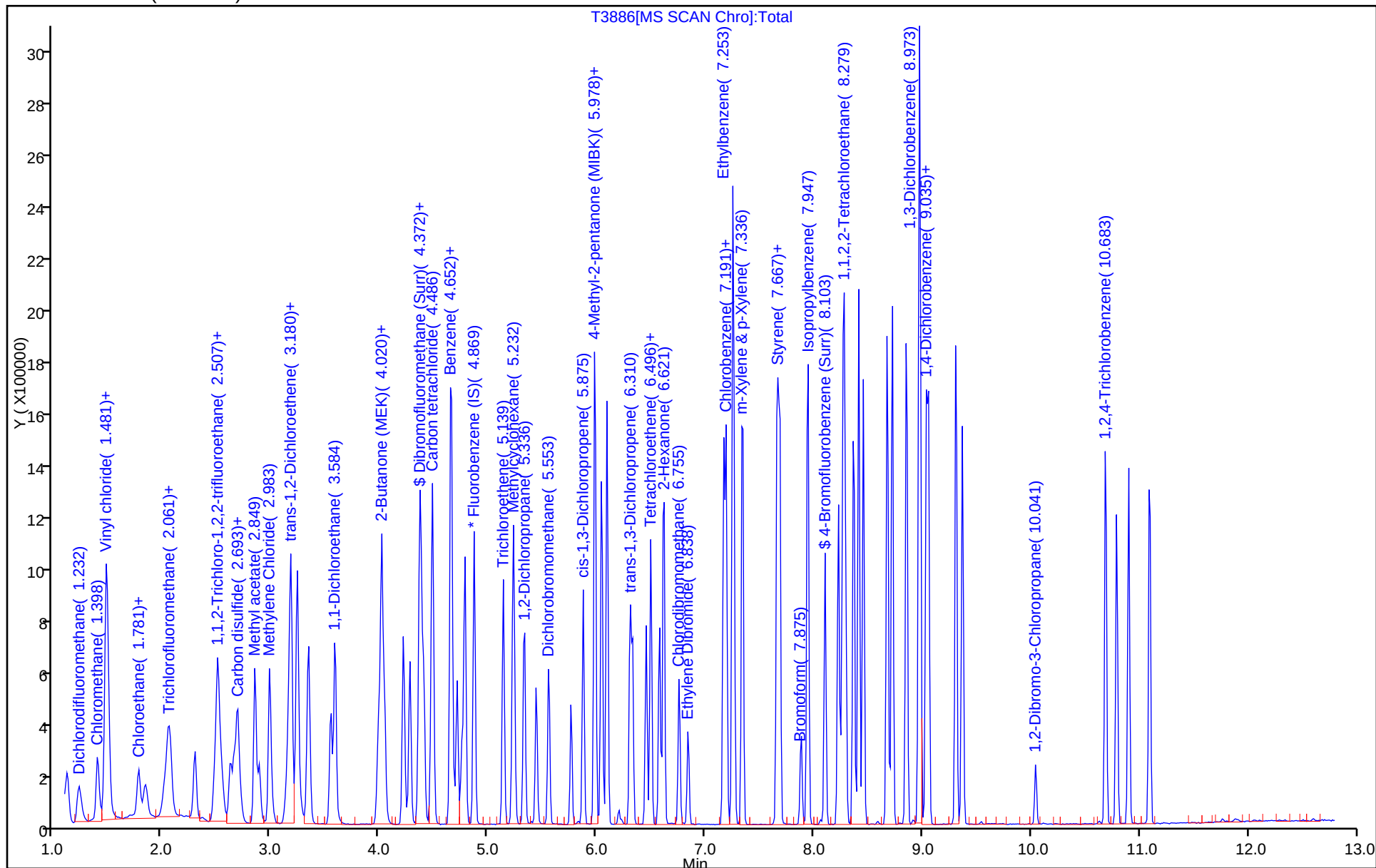
Dil. Factor: 1000.0000

ALS Bottle#: 28

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-129995-1</u>
SDG No.: _____	
Client Sample ID: <u>DPT-8 MSD</u>	Lab Sample ID: <u>480-129995-19 MSD</u>
Matrix: <u>Water</u>	Lab File ID: <u>C1761.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/10/2018 11:40</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/17/2018 06:50</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>20</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>396044</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	562		20	16
79-34-5	1,1,2,2-Tetrachloroethane	526		20	4.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	517		20	6.2
79-00-5	1,1,2-Trichloroethane	525		20	4.6
75-34-3	1,1-Dichloroethane	571		20	7.6
75-35-4	1,1-Dichloroethene	510		20	5.8
120-82-1	1,2,4-Trichlorobenzene	517		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	486		20	7.8
106-93-4	1,2-Dibromoethane	532		20	15
95-50-1	1,2-Dichlorobenzene	517		20	16
107-06-2	1,2-Dichloroethane	522		20	4.2
78-87-5	1,2-Dichloropropane	539		20	14
541-73-1	1,3-Dichlorobenzene	512		20	16
106-46-7	1,4-Dichlorobenzene	525		20	17
78-93-3	2-Butanone (MEK)	2480		200	26
591-78-6	2-Hexanone	2530		100	25
108-10-1	4-Methyl-2-pentanone (MIBK)	2670		100	42
67-64-1	Acetone	2200		200	60
71-43-2	Benzene	537		20	8.2
75-27-4	Bromodichloromethane	535		20	7.8
75-25-2	Bromoform	526		20	5.2
74-83-9	Bromomethane	495		20	14
75-15-0	Carbon disulfide	520		20	3.8
56-23-5	Carbon tetrachloride	549		20	5.4
108-90-7	Chlorobenzene	521		20	15
75-00-3	Chloroethane	532		20	6.4
67-66-3	Chloroform	517		20	6.8
74-87-3	Chloromethane	537		20	7.0
156-59-2	cis-1,2-Dichloroethene	945		20	16
10061-01-5	cis-1,3-Dichloropropene	529		20	7.2
110-82-7	Cyclohexane	540		20	3.6
124-48-1	Dibromochloromethane	530		20	6.4
75-71-8	Dichlorodifluoromethane	522		20	14
100-41-4	Ethylbenzene	534		20	15
98-82-8	Isopropylbenzene	534		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1
 SDG No.: _____
 Client Sample ID: DPT-8 MSD Lab Sample ID: 480-129995-19 MSD
 Matrix: Water Lab File ID: C1761.D
 Analysis Method: 8260C Date Collected: 01/10/2018 11:40
 Sample wt/vol: 5 (mL) Date Analyzed: 01/17/2018 06:50
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 396044 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	1070		50	26
1634-04-4	Methyl tert-butyl ether	521		20	3.2
108-87-2	Methylcyclohexane	534		20	3.2
75-09-2	Methylene Chloride	485		20	8.8
100-42-5	Styrene	541		20	15
127-18-4	Tetrachloroethene	521		20	7.2
108-88-3	Toluene	527		20	10
156-60-5	trans-1,2-Dichloroethene	516		20	18
10061-02-6	trans-1,3-Dichloropropene	511		20	7.4
79-01-6	Trichloroethene	539		20	9.2
75-69-4	Trichlorofluoromethane	494		20	18
75-01-4	Vinyl chloride	812		20	18
1330-20-7	Xylenes, Total	1050		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	104		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1761.D
 Lims ID: 480-129995-B-19 MSD
 Client ID:
 Sample Type: MSD
 Inject. Date: 17-Jan-2018 06:50:30 ALS Bottle#: 25 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 20.0000
 Sample Info: 480-129995-b-19 msd
 Misc. Info.: 480-0068612-026
 Operator ID: KN Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jan-2018 14:27:49 Calib Date: 11-Jan-2018 22:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20180111-68523.b\C1669.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: reiler

Date: 17-Jan-2018 14:28:08

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	9.345	9.345	0.000	99	180488	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.753	11.753	0.000	86	406702	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.757	13.757	0.000	94	428834	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.812	8.812	0.000	93	271175	25.0	27.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.108	9.108	0.000	96	152472	25.0	27.4	
\$ 5 Toluene-d8 (Surr)	98	10.567	10.579	-0.012	94	984902	25.0	26.0	
\$ 6 4-Bromofluorobenzene (Surr	174	12.689	12.701	-0.012	91	340609	25.0	24.7	
10 Dichlorodifluoromethane	85	4.448	4.460	-0.012	99	468102	25.0	26.1	
12 Chloromethane	50	4.875	4.887	-0.012	99	459867	25.0	26.9	
13 Vinyl chloride	62	5.088	5.100	-0.012	98	737882	25.0	40.6	
14 Bromomethane	94	5.705	5.705	0.000	92	361487	25.0	24.8	
15 Chloroethane	64	5.823	5.835	-0.012	100	295566	25.0	26.6	
17 Trichlorofluoromethane	101	6.167	6.179	-0.012	98	706670	25.0	24.7	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	362033	25.0	25.9	
22 1,1-Dichloroethene	96	6.808	6.808	0.000	98	356151	25.0	25.5	
23 Acetone	43	6.843	6.843	0.000	99	497139	125.0	109.9	
26 Carbon disulfide	76	7.128	7.128	0.000	100	1367822	25.0	26.0	
27 Methyl acetate	43	7.140	7.140	0.000	98	486422	50.0	53.7	
30 Methylene Chloride	84	7.306	7.317	-0.012	91	415881	25.0	24.3	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	95	1167205	25.0	26.1	
34 trans-1,2-Dichloroethene	96	7.555	7.555	0.000	98	408934	25.0	25.8	
39 1,1-Dichloroethane	63	7.946	7.946	0.000	96	721035	25.0	28.6	
43 2-Butanone (MEK)	43	8.397	8.397	0.000	100	755363	125.0	124.2	
45 cis-1,2-Dichloroethene	96	8.444	8.444	0.000	80	840666	25.0	47.2	
50 Chloroform	83	8.669	8.669	0.000	94	726532	25.0	25.9	
51 1,1,1-Trichloroethane	97	8.859	8.859	0.000	98	690811	25.0	28.1	
52 Cyclohexane	56	8.907	8.907	0.000	87	606214	25.0	27.0	
55 Carbon tetrachloride	117	9.001	9.001	0.000	97	612014	25.0	27.4	
58 1,2-Dichloroethane	62	9.167	9.167	0.000	99	584698	25.0	26.1	
57 Benzene	78	9.167	9.156	0.000	96	1569246	25.0	26.9	
62 Trichloroethene	95	9.642	9.642	0.000	96	436943	25.0	26.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	9.784	9.784	0.000	91	579569	25.0	26.7	
65 1,2-Dichloropropane	63	9.843	9.832	0.011	94	380123	25.0	26.9	
68 Dichlorobromomethane	83	10.033	10.033	0.000	99	577759	25.0	26.7	
72 cis-1,3-Dichloropropene	75	10.353	10.353	0.000	98	638911	25.0	26.5	
73 4-Methyl-2-pentanone (MIBK)	43	10.389	10.389	0.000	97	1688012	125.0	133.4	
74 Toluene	92	10.626	10.626	0.000	98	1027280	25.0	26.4	
77 trans-1,3-Dichloropropene	75	10.768	10.768	0.000	95	605266	25.0	25.5	
79 1,1,2-Trichloroethane	83	10.946	10.946	0.000	92	291854	25.0	26.2	
80 2-Hexanone	43	11.029	11.029	0.000	97	1170854	125.0	126.3	
81 Tetrachloroethene	166	11.077	11.077	0.000	96	475783	25.0	26.1	
83 Chlorodibromomethane	129	11.314	11.302	0.012	89	471187	25.0	26.5	
84 Ethylene Dibromide	107	11.444	11.444	0.000	99	381853	25.0	26.6	
87 Chlorobenzene	112	11.776	11.776	0.000	98	1218247	25.0	26.0	
88 Ethylbenzene	91	11.788	11.788	0.000	98	1932547	25.0	26.7	
90 m-Xylene & p-Xylene	106	11.871	11.871	0.000	97	764750		26.2	
91 o-Xylene	106	12.215	12.215	0.000	95	755237		26.3	
92 Styrene	104	12.227	12.227	0.000	92	1263389	25.0	27.0	
95 Bromoform	173	12.500	12.488	0.012	97	294809	25.0	26.3	
94 Isopropylbenzene	105	12.488	12.488	0.000	97	1951976	25.0	26.7	
97 1,1,2,2-Tetrachloroethane	83	12.761	12.761	0.000	96	452222	25.0	26.3	
111 1,3-Dichlorobenzene	146	13.709	13.709	0.000	97	1021943	25.0	25.6	
113 1,4-Dichlorobenzene	146	13.780	13.780	0.000	95	1056854	25.0	26.2	
116 1,2-Dichlorobenzene	146	14.195	14.196	-0.001	98	993677	25.0	25.8	
117 1,2-Dibromo-3-Chloropropan	75	15.061	15.061	0.000	85	92300	25.0	24.3	
119 1,2,4-Trichlorobenzene	180	16.105	16.105	0.000	95	697567	25.0	25.8	
S 124 Xylenes, Total	1				0			52.5	

Reagents:

8260 CORP mix_00118

Amount Added: 12.50

Units: uL

GAS CORP mix_00260

Amount Added: 12.50

Units: uL

C_8260_IS_00105

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00122

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20180116-68612.b\C1761.D

Injection Date: 17-Jan-2018 06:50:30

Instrument ID: HP5973C

Operator ID: KN

Lims ID: 480-129995-B-19 MSD

Worklist Smp#: 26

Client ID:

Purge Vol: 5.000 mL

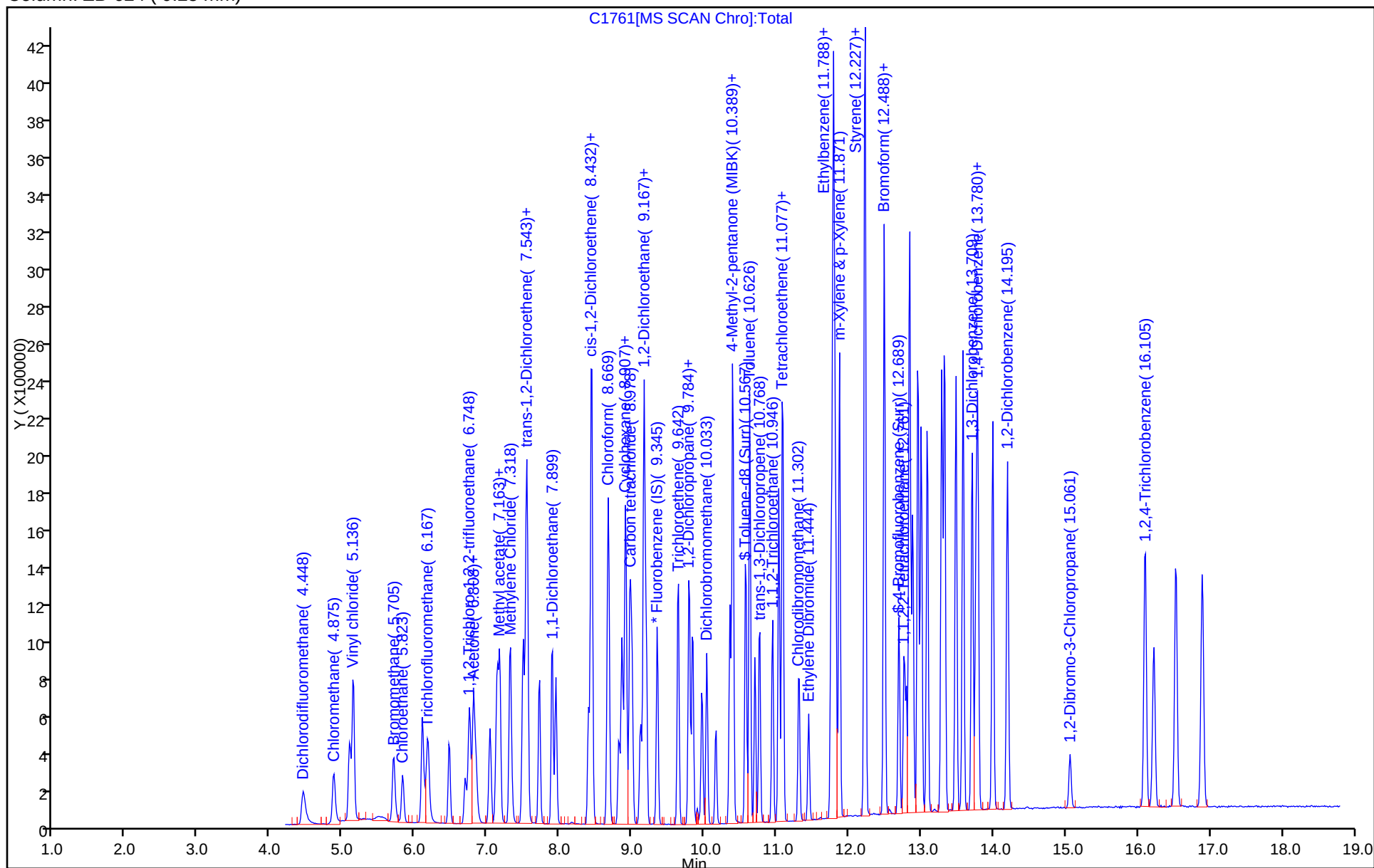
Dil. Factor: 20.0000

ALS Bottle#: 25

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-129995-1

SDG No.: _____

Instrument ID: HP5973CStart Date: 01/11/2018 13:46Analysis Batch Number: 395463End Date: 01/11/2018 23:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-395463/4		01/11/2018 13:46	1	C1649.D	ZB-624 (60) 0.25 (mm)
IC 480-395463/6		01/11/2018 14:41	1	C1651.D	ZB-624 (60) 0.25 (mm)
IC 480-395463/7		01/11/2018 15:07	1	C1652.D	ZB-624 (60) 0.25 (mm)
IC 480-395463/8		01/11/2018 15:32	1	C1653.D	ZB-624 (60) 0.25 (mm)
IC 480-395463/9		01/11/2018 15:57	1	C1654.D	ZB-624 (60) 0.25 (mm)
IC 480-395463/10		01/11/2018 16:22	1	C1655.D	ZB-624 (60) 0.25 (mm)
ICIS 480-395463/11		01/11/2018 16:47	1	C1656.D	ZB-624 (60) 0.25 (mm)
IC 480-395463/12		01/11/2018 17:12	1	C1657.D	ZB-624 (60) 0.25 (mm)
IC 480-395463/13		01/11/2018 17:38	1	C1658.D	ZB-624 (60) 0.25 (mm)
MDLV 480-395463/15		01/11/2018 18:29	1		ZB-624 (60) 0.25 (mm)
MDLV 480-395463/16		01/11/2018 18:55	1		ZB-624 (60) 0.25 (mm)
IC 480-395463/18		01/11/2018 19:46	1		ZB-624 (60) 0.25 (mm)
IC 480-395463/19		01/11/2018 20:11	1		ZB-624 (60) 0.25 (mm)
IC 480-395463/20		01/11/2018 20:37	1		ZB-624 (60) 0.25 (mm)
IC 480-395463/21		01/11/2018 21:02	1		ZB-624 (60) 0.25 (mm)
IC 480-395463/22		01/11/2018 21:27	1		ZB-624 (60) 0.25 (mm)
IC 480-395463/23		01/11/2018 21:53	1		ZB-624 (60) 0.25 (mm)
IC 480-395463/24		01/11/2018 22:18	1		ZB-624 (60) 0.25 (mm)
MDLV 480-395463/26		01/11/2018 23:08	1		ZB-624 (60) 0.25 (mm)
ICV 480-395463/27		01/11/2018 23:33	1		ZB-624 (60) 0.25 (mm)
ICV 480-395463/28		01/11/2018 23:59	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-129995-1

SDG No.: _____

Instrument ID: HP5973CStart Date: 01/16/2018 08:49Analysis Batch Number: 395910End Date: 01/16/2018 19:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-395910/2		01/16/2018 08:49	1	C1711.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-395910/3		01/16/2018 09:17	1	C1712.D	ZB-624 (60) 0.25 (mm)
CCV 480-395910/4		01/16/2018 09:42	1		ZB-624 (60) 0.25 (mm)
LCS 480-395910/5		01/16/2018 10:08	1	C1714.D	ZB-624 (60) 0.25 (mm)
MB 480-395910/8		01/16/2018 10:58	1	C1716.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		01/16/2018 11:36	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/16/2018 12:01	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/16/2018 12:26	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/16/2018 12:51	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/16/2018 13:17	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/16/2018 13:42	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/16/2018 14:07	2		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/16/2018 14:32	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/16/2018 14:57	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/16/2018 15:22	2		ZB-624 (60) 0.25 (mm)
480-129995-2		01/16/2018 15:47	1	C1727.D	ZB-624 (60) 0.25 (mm)
480-129995-9		01/16/2018 16:12	1	C1728.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		01/16/2018 16:37	20		ZB-624 (60) 0.25 (mm)
480-129995-15		01/16/2018 17:02	1	C1730.D	ZB-624 (60) 0.25 (mm)
480-129995-16		01/16/2018 17:27	50	C1731.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		01/16/2018 17:52	500		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/16/2018 18:17	20		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/16/2018 18:42	100		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/16/2018 19:08	100		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/16/2018 19:33	100		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-129995-1

SDG No.: _____

Instrument ID: HP5973CStart Date: 01/16/2018 20:05Analysis Batch Number: 396044End Date: 01/17/2018 06:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-396044/1		01/16/2018 20:05	1	C1737.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-396044/2		01/16/2018 20:35	1	C1738.D	ZB-624 (60) 0.25 (mm)
CCV 480-396044/3		01/16/2018 21:00	1		ZB-624 (60) 0.25 (mm)
LCS 480-396044/4		01/16/2018 21:25	1	C1740.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		01/16/2018 22:11	1		ZB-624 (60) 0.25 (mm)
MB 480-396044/6		01/16/2018 22:36	1	C1742.D	ZB-624 (60) 0.25 (mm)
480-129995-14		01/16/2018 23:17	1	C1743.D	ZB-624 (60) 0.25 (mm)
480-129995-17		01/16/2018 23:43	10	C1744.D	ZB-624 (60) 0.25 (mm)
480-129995-18		01/17/2018 00:08	10	C1745.D	ZB-624 (60) 0.25 (mm)
480-129995-19		01/17/2018 00:33	20	C1746.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		01/17/2018 00:58	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/17/2018 01:24	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/17/2018 01:49	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/17/2018 02:14	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/17/2018 02:39	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/17/2018 03:04	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/17/2018 03:29	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/17/2018 03:54	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/17/2018 04:19	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/17/2018 04:44	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/17/2018 05:09	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/17/2018 05:35	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/17/2018 05:59	1		ZB-624 (60) 0.25 (mm)
480-129995-19 MS		01/17/2018 06:25	20	C1760.D	ZB-624 (60) 0.25 (mm)
480-129995-19 MSD		01/17/2018 06:50	20	C1761.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-129995-1

SDG No.: _____

Instrument ID: HP5973PStart Date: 12/05/2017 12:30Analysis Batch Number: 390433End Date: 12/06/2017 08:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-390433/5		12/05/2017 12:30	1	94696P.D	ZB-624 (60) 0.25 (mm)
IC 480-390433/7		12/05/2017 13:31	1	94698P.D	ZB-624 (60) 0.25 (mm)
IC 480-390433/8		12/05/2017 13:59	1	94699P.D	ZB-624 (60) 0.25 (mm)
IC 480-390433/9		12/05/2017 14:27	1	94700P.D	ZB-624 (60) 0.25 (mm)
IC 480-390433/10		12/05/2017 14:54	1	94701P.D	ZB-624 (60) 0.25 (mm)
ICIS 480-390433/11		12/05/2017 15:21	1	94702P.D	ZB-624 (60) 0.25 (mm)
IC 480-390433/12		12/05/2017 16:00	1	94703P.D	ZB-624 (60) 0.25 (mm)
IC 480-390433/13		12/05/2017 16:27	1	94704P.D	ZB-624 (60) 0.25 (mm)
IC 480-390433/15		12/05/2017 17:22	1		ZB-624 (60) 0.25 (mm)
IC 480-390433/16		12/05/2017 17:49	1		ZB-624 (60) 0.25 (mm)
IC 480-390433/17		12/05/2017 18:16	1		ZB-624 (60) 0.25 (mm)
IC 480-390433/18		12/05/2017 18:44	1		ZB-624 (60) 0.25 (mm)
IC 480-390433/19		12/05/2017 19:11	1		ZB-624 (60) 0.25 (mm)
IC 480-390433/20		12/05/2017 19:38	1		ZB-624 (60) 0.25 (mm)
IC 480-390433/21		12/05/2017 20:06	1		ZB-624 (60) 0.25 (mm)
MDLV 480-390433/23		12/05/2017 21:01	1		ZB-624 (60) 0.25 (mm)
MDLV 480-390433/24		12/05/2017 21:28	1		ZB-624 (60) 0.25 (mm)
ICV 480-390433/25		12/06/2017 08:04	1		ZB-624 (60) 0.25 (mm)
ICV 480-390433/26		12/06/2017 08:32	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-129995-1

SDG No.: _____

Instrument ID: HP5973PStart Date: 01/15/2018 09:05Analysis Batch Number: 395765End Date: 01/15/2018 19:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-395765/2		01/15/2018 09:05	1	95542P.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-395765/3		01/15/2018 09:33	1	95543P.D	ZB-624 (60) 0.25 (mm)
LCS 480-395765/5		01/15/2018 10:27	1	95545P.D	ZB-624 (60) 0.25 (mm)
RL 480-395765/6		01/15/2018 10:54	1		ZB-624 (60) 0.25 (mm)
MB 480-395765/7		01/15/2018 11:21	1	95547P.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		01/15/2018 12:09	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/15/2018 12:36	2		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/15/2018 13:03	2		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/15/2018 13:31	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/15/2018 13:58	1		ZB-624 (60) 0.25 (mm)
480-129995-1		01/15/2018 14:25	1	95553P.D	ZB-624 (60) 0.25 (mm)
480-129995-3		01/15/2018 14:52	5	95554P.D	ZB-624 (60) 0.25 (mm)
480-129995-4		01/15/2018 15:20	1	95555P.D	ZB-624 (60) 0.25 (mm)
480-129995-5		01/15/2018 15:47	1	95556P.D	ZB-624 (60) 0.25 (mm)
480-129995-6		01/15/2018 16:14	1	95557P.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		01/15/2018 16:42	500		ZB-624 (60) 0.25 (mm)
480-129995-10		01/15/2018 17:09	1	95559P.D	ZB-624 (60) 0.25 (mm)
480-129995-13		01/15/2018 17:36	1	95560P.D	ZB-624 (60) 0.25 (mm)
480-129995-20		01/15/2018 18:03	1	95561P.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		01/15/2018 18:31	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/15/2018 18:58	1		ZB-624 (60) 0.25 (mm)
480-129995-3 MS		01/15/2018 19:25	5	95564P.D	ZB-624 (60) 0.25 (mm)
480-129995-3 MSD		01/15/2018 19:52	5	95565P.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-129995-1

SDG No.: _____

Instrument ID: HP5975TStart Date: 01/11/2018 14:20Analysis Batch Number: 395447End Date: 01/11/2018 23:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-395447/6		01/11/2018 14:20	1	T3804.D	ZB-624 (20) 0.18 (mm)
IC 480-395447/8		01/11/2018 15:11	1	T3806.D	ZB-624 (20) 0.18 (mm)
IC 480-395447/9		01/11/2018 15:34	1	T3807.D	ZB-624 (20) 0.18 (mm)
IC 480-395447/10		01/11/2018 15:58	1	T3808.D	ZB-624 (20) 0.18 (mm)
IC 480-395447/11		01/11/2018 16:21	1	T3809.D	ZB-624 (20) 0.18 (mm)
IC 480-395447/12		01/11/2018 16:45	1	T3810.D	ZB-624 (20) 0.18 (mm)
ICIS 480-395447/13		01/11/2018 17:08	1	T3811.D	ZB-624 (20) 0.18 (mm)
IC 480-395447/14		01/11/2018 17:32	1	T3812.D	ZB-624 (20) 0.18 (mm)
IC 480-395447/15		01/11/2018 17:55	1	T3813.D	ZB-624 (20) 0.18 (mm)
MDLV 480-395447/17		01/11/2018 18:42	1		ZB-624 (20) 0.18 (mm)
MDLV 480-395447/18		01/11/2018 19:06	1		ZB-624 (20) 0.18 (mm)
IC 480-395447/20		01/11/2018 19:53	1		ZB-624 (20) 0.18 (mm)
IC 480-395447/21		01/11/2018 20:17	1		ZB-624 (20) 0.18 (mm)
IC 480-395447/22		01/11/2018 20:41	1		ZB-624 (20) 0.18 (mm)
IC 480-395447/23		01/11/2018 21:04	1		ZB-624 (20) 0.18 (mm)
IC 480-395447/24		01/11/2018 21:28	1		ZB-624 (20) 0.18 (mm)
IC 480-395447/25		01/11/2018 21:52	1		ZB-624 (20) 0.18 (mm)
IC 480-395447/26		01/11/2018 22:15	1		ZB-624 (20) 0.18 (mm)
MDLV 480-395447/28		01/11/2018 23:03	1		ZB-624 (20) 0.18 (mm)
ICV 480-395447/29		01/11/2018 23:26	1		ZB-624 (20) 0.18 (mm)
ICV 480-395447/30		01/11/2018 23:50	1		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-129995-1

SDG No.: _____

Instrument ID: HP5975TStart Date: 01/15/2018 13:14Analysis Batch Number: 395851End Date: 01/15/2018 23:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-395851/2		01/15/2018 13:14	1	T3831.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-395851/3		01/15/2018 13:37	1	T3832.D	ZB-624 (20) 0.18 (mm)
CCV 480-395851/4		01/15/2018 14:01	1		ZB-624 (20) 0.18 (mm)
LCS 480-395851/5		01/15/2018 14:25	1	T3834.D	ZB-624 (20) 0.18 (mm)
MB 480-395851/8		01/15/2018 15:36	1	T3837.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		01/15/2018 16:08	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		01/15/2018 16:32	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		01/15/2018 16:56	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		01/15/2018 17:19	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		01/15/2018 17:43	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		01/15/2018 18:07	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		01/15/2018 18:30	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		01/15/2018 20:52	4000		ZB-624 (20) 0.18 (mm)
ZZZZZ		01/15/2018 21:15	100		ZB-624 (20) 0.18 (mm)
480-129995-12		01/15/2018 21:39	1	T3852.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		01/15/2018 22:02	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		01/15/2018 22:26	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		01/15/2018 22:49	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		01/15/2018 23:13	100		ZB-624 (20) 0.18 (mm)
ZZZZZ		01/15/2018 23:36	100		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Instrument ID: HP5975T Start Date: 01/16/2018 08:14Analysis Batch Number: 395914 End Date: 01/16/2018 18:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-395914/2		01/16/2018 08:14	1	T3860.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-395914/3		01/16/2018 08:39	1	T3861.D	ZB-624 (20) 0.18 (mm)
CCV 480-395914/4		01/16/2018 09:07	1		ZB-624 (20) 0.18 (mm)
LCS 480-395914/5		01/16/2018 09:35	1	T3863.D	ZB-624 (20) 0.18 (mm)
MB 480-395914/10		01/16/2018 11:34	1	T3868.D	ZB-624 (20) 0.18 (mm)
480-129995-3 DL		01/16/2018 12:22	10	T3870.D	ZB-624 (20) 0.18 (mm)
480-129995-7		01/16/2018 12:45	1000	T3871.D	ZB-624 (20) 0.18 (mm)
480-129995-8		01/16/2018 13:09	1	T3872.D	ZB-624 (20) 0.18 (mm)
480-129995-10 DL		01/16/2018 13:33	4	T3873.D	ZB-624 (20) 0.18 (mm)
480-129995-11		01/16/2018 13:57	40	T3874.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		01/16/2018 14:45	1		ZB-624 (20) 0.18 (mm)
480-129995-7 MS		01/16/2018 18:19	1000	T3885.D	ZB-624 (20) 0.18 (mm)
480-129995-7 MSD		01/16/2018 18:43	1000	T3886.D	ZB-624 (20) 0.18 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Batch Number: 395765 Batch Start Date: 01/15/18 09:05 Batch Analyst: Barone, Rachel LBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00118	BFB_WRK 00067	GAS CORP mix 00259
BFB 480-395765/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-395765/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-395765/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-395765/7		8260C		5 mL	5 mL				
480-129995-A-1	MW-2	8260C	T	5 mL	5 mL	<2 SU			
480-129995-A-3	MW-4	8260C	T	5 mL	5 mL	<2 SU			
480-129995-A-4	MW-6	8260C	T	5 mL	5 mL	<2 SU			
480-129995-A-5	MW-10	8260C	T	5 mL	5 mL	<2 SU			
480-129995-A-6	MW-11	8260C	T	5 mL	5 mL	<2 SU			
480-129995-A-10	MW-16D	8260C	T	5 mL	5 mL	<2 SU			
480-129995-A-13	GWCT	8260C	T	5 mL	5 mL	<2 SU			
480-129995-A-20	Trip Blank	8260C	T	5 mL	5 mL	<2 SU			
480-129995-A-3 MS	MW-4	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-129995-A-3 MSD	MW-4	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	P 8260 IS 00280	P 8260 Surr. 00261	AnalysisComment			
BFB 480-395765/2		8260C							
CCVIS 480-395765/3		8260C		1.25 uL	1.25 uL				
LCS 480-395765/5		8260C		1.25 uL	1.25 uL				
MB 480-395765/7		8260C		1.25 uL	1.25 uL				
480-129995-A-1	MW-2	8260C	T	1.25 uL	1.25 uL				
480-129995-A-3	MW-4	8260C	T	1.25 uL	1.25 uL	Rerun higher 10x DL			
480-129995-A-4	MW-6	8260C	T	1.25 uL	1.25 uL				
480-129995-A-5	MW-10	8260C	T	1.25 uL	1.25 uL				
480-129995-A-6	MW-11	8260C	T	1.25 uL	1.25 uL				

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Batch Number: 395765 Batch Start Date: 01/15/18 09:05 Batch Analyst: Barone, Rachel LBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	P 8260 IS 00280	P 8260 Surr. 00261	AnalysisComment			
480-129995-A-10	MW-16D	8260C	T	1.25 uL	1.25 uL	Rerun higher 4x DL			
480-129995-A-13	GWCT	8260C	T	1.25 uL	1.25 uL				
480-129995-A-20	Trip Blank	8260C	T	1.25 uL	1.25 uL				
480-129995-A-3 MS	MW-4	8260C	T	1.25 uL	1.25 uL				
480-129995-A-3 MSD	MW-4	8260C	T	1.25 uL	1.25 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Batch Number: 395851 Batch Start Date: 01/15/18 13:14 Batch Analyst: Reile, Rebecca SBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	3_MCP_Add_WRK 00154	8260 CORP mix 00118	ADD CORP mix 00067
BFB 480-395851/2		8260C		1 uL	1 uL				
CCVIS 480-395851/3		8260C		5 mL	5 mL			12.5 uL	
LCS 480-395851/5		8260C		5 mL	5 mL		12.5 uL	12.5 uL	12.5 uL
MB 480-395851/8		8260C		5 mL	5 mL				
480-129995-A-12	MW-13D	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	BFB_WRK 00067	GAS CORP mix 00260	T_8260_IS 00184	T_8260_Surr 00165		
BFB 480-395851/2		8260C		1 uL					
CCVIS 480-395851/3		8260C			12.5 uL	1 uL	1 uL		
LCS 480-395851/5		8260C			12.5 uL	1 uL	1 uL		
MB 480-395851/8		8260C				1 uL	1 uL		
480-129995-A-12	MW-13D	8260C	T			1 uL	1 uL		

Batch Notes	

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Batch Number: 395910 Batch Start Date: 01/16/18 08:49 Batch Analyst: Nowak, Kate-Lynn MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00118	BFB_WRK 00067	C_8260_IS 00105
BFB 480-395910/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-395910/3		8260C		5 mL	5 mL		12.5 uL		1 uL
LCS 480-395910/5		8260C		5 mL	5 mL		12.5 uL		1 uL
MB 480-395910/8		8260C		5 mL	5 mL				1 uL
480-129995-A-2	MW-3	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-129995-A-9	Rinse Blank	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-129995-A-15	DPT-2	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-129995-A-16	DPT-4	8260C	T	5 mL	5 mL	<2 SU			1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	C_8260_Surr 00121	GAS CORP mix 00260				
BFB 480-395910/2		8260C							
CCVIS 480-395910/3		8260C		1 uL	12.5 uL				
LCS 480-395910/5		8260C		1 uL	12.5 uL				
MB 480-395910/8		8260C		1 uL					
480-129995-A-2	MW-3	8260C	T	1 uL					
480-129995-A-9	Rinse Blank	8260C	T	1 uL					
480-129995-A-15	DPT-2	8260C	T	1 uL					
480-129995-A-16	DPT-4	8260C	T	1 uL					

Batch Notes	

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Batch Number: 395914 Batch Start Date: 01/16/18 08:14 Batch Analyst: Nowak, Kate-Lynn MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	3_MCP_Add_WRK 00154	8260 CORP mix 00118	ADD CORP mix 00067
BFB 480-395914/2		8260C		1 uL	1 uL				
CCVIS 480-395914/3		8260C		5 mL	5 mL			12.5 uL	
LCS 480-395914/5		8260C		5 mL	5 mL		12.5 uL	12.5 uL	12.5 uL
MB 480-395914/10		8260C		5 mL	5 mL				
480-129995-B-3	MW-4	8260C	T	5 mL	5 mL	<2 SU			
480-129995-B-7	MW-16S	8260C	T	5 mL	5 mL	<2 SU			
480-129995-C-8	Duplicate	8260C	T	5 mL	5 mL	<2 SU			
480-129995-B-10	MW-16D	8260C	T	5 mL	5 mL	<2 SU			
480-129995-B-11	MW-13S	8260C	T	5 mL	5 mL	<2 SU			
480-129995-B-7 MS	MW-16S	8260C	T	5 mL	5 mL	<2 SU		12.5 uL	
480-129995-B-7 MSD	MW-16S	8260C	T	5 mL	5 mL	<2 SU		12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	BFB_WRK 00067	GAS CORP mix 00260	T_8260_IS 00184	T_8260_Surr 00165		
BFB 480-395914/2		8260C		1 uL					
CCVIS 480-395914/3		8260C			12.5 uL	1 uL	1 uL		
LCS 480-395914/5		8260C			12.5 uL	1 uL	1 uL		
MB 480-395914/10		8260C				1 uL	1 uL		
480-129995-B-3	MW-4	8260C	T			1 uL	1 uL		
480-129995-B-7	MW-16S	8260C	T			1 uL	1 uL		
480-129995-C-8	Duplicate	8260C	T			1 uL	1 uL		
480-129995-B-10	MW-16D	8260C	T			1 uL	1 uL		
480-129995-B-11	MW-13S	8260C	T			1 uL	1 uL		
480-129995-B-7 MS	MW-16S	8260C	T		12.5 uL	1 uL	1 uL		
480-129995-B-7 MSD	MW-16S	8260C	T		12.5 uL	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.

8260C

Page 1 of 2

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Batch Number: 395914 Batch Start Date: 01/16/18 08:14 Batch Analyst: Nowak, Kate-Lynn MBatch Method: 8260C Batch End Date: _____

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: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Batch Number: 396044 Batch Start Date: 01/16/18 20:05 Batch Analyst: Reile, Rebecca SBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00118	BFB_WRK 00067	C_8260_IS 00105
BFB 480-396044/1		8260C		1 uL	1 uL			1 uL	
CCVIS 480-396044/2		8260C		5 mL	5 mL		12.5 uL		1 uL
LCS 480-396044/4		8260C		5 mL	5 mL		12.5 uL		1 uL
MB 480-396044/6		8260C		5 mL	5 mL				1 uL
480-129995-B-14	DPT-1	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-129995-B-17	DPT-5	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-129995-B-18	DPT-7	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-129995-B-19	DPT-8	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-129995-B-19 MS	DPT-8	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		1 uL
480-129995-B-19 MSD	DPT-8	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	C_8260_Surr 00122	GAS CORP mix 00260				
BFB 480-396044/1		8260C							
CCVIS 480-396044/2		8260C		1 uL	12.5 uL				
LCS 480-396044/4		8260C		1 uL	12.5 uL				
MB 480-396044/6		8260C		1 uL					
480-129995-B-14	DPT-1	8260C	T	1 uL					
480-129995-B-17	DPT-5	8260C	T	1 uL					
480-129995-B-18	DPT-7	8260C	T	1 uL					
480-129995-B-19	DPT-8	8260C	T	1 uL					
480-129995-B-19 MS	DPT-8	8260C	T	1 uL	12.5 uL				
480-129995-B-19 MSD	DPT-8	8260C	T	1 uL	12.5 uL				

Batch Notes	

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-129995-1

SDG No.: _____

Batch Number: 396044 Batch Start Date: 01/16/18 20:05 Batch Analyst: Reile, Rebecca SBatch Method: 8260C Batch End Date: _____

Basis	Basis Description
T	Total/NA

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

Shipping and Receiving Documents



Chain of Custody Record

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Client Information		Sampler: <u>Sam Connelly</u>		Lab PM: <u>Fischer, Brian J</u>		Carrier Tra	
Client Contact:		Phone: <u>716 866 8222</u>		E-Mail: <u>brian.fischer@testamericainc.com</u>			
Company: <u>AECOM, Inc.</u>		Due Date Requested:		Analysis Requested		XOC No: <u>180-106255-3450.1</u>	
Address: <u>257 West Genesee Street Suite 400</u>		TAT Requested (days): <u>Per PO</u>				Page: <u>129995</u>	
City: <u>Buffalo</u>		PO #: <u>716 866 8222</u>				Job #: <u>129995</u>	
State, Zip: <u>NY, 14202-2657</u>		Purchase Order not requir				Preservation Codes:	
Phone: <u>716 866 8222</u>		WO #:				A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anichlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Email: <u>dino.zack@aecom.com</u>		Project #:				M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecalhydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Project Name: <u>Scott Aviation site</u>		SSOW#:					
Site: <u>New York</u>							
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
Matrix (W=water, S=solid, O=oil, B=BT-tissue, A=Air)		Preservation Code:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
MW-2		11/21/18		1115		G	
MW-3		11/10/18		1015		G	
MW-4		11/8/18		1225		G	
MW-6		11/8/18		0935		G	
MW-10		11/8/18		1105		G	
MW-11		11/8/18		1550		G	
MW-16S		11/9/18		1325		G	
Duplicate		11/8/18		0715		G	
Rinse		11/11/18		0830		G	
MW-16D		11/8/18		1235		G	
Possible Hazard Identification		☒ Non-Hazard ☐ Flammable ☐ Skin Irritant		☐ Poison B ☐ Unknown ☐ Radiological			
Deliverable Requested: I, II, III, IV, Other (specify)							
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: <u>Dino Zack</u>		11/11/18		0930		Company: <u>AECOM</u>	
Relinquished by:		Date/Time:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Date/Time:		Company:	
Custody Seal Intact: <u>Yes</u>		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <u>#1 2.1</u>		Company:	

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

Client Information Client Contact: <u>Mr. Dino Zack</u> Company: <u>AECOM, Inc.</u> Address: <u>257 West Genesee Street Suite 400</u> City: <u>Buffalo</u> State, Zip: <u>NY, 14202-2657</u> Phone: <u>716 866 8222</u> Email: <u>dino.zack@aecom.com</u> Project Name: <u>Scott Aviation site</u> Site: <u>New York</u>		Lab PM: <u>Fischer, Brian J</u> E-Mail: <u>brian.fischer@testamericainc.com</u> Sampler: <u>Senn Connelly</u> Phone: <u>716 866 8222</u>		Carrier Tracking No(s): COC No: <u>480-106255-3450.2</u> Page: <u>Page 2 of 3</u> Job #:	
Date Requested: TAT Requested (days): <u>Per PO</u> PO #: <u>Per PO</u> Purchase Order not requir WO #: <u>716 866 8222</u> Project #: <u>48002539</u> SSOW#:		Analysis Requested			
Sample Identification MW-13S MW-13D GWCT Trip DPT-1 DPT-2 DPT-4 DPT-5 DPT-7		Sample Date <u>1/9/18</u> <u>1/9/18</u> <u>1/8/18</u> <u>1/8/18</u> <u>1/10/18</u> <u>1/10/18</u> <u>1/10/18</u> <u>1/10/18</u> <u>1/10/18</u>		Sample Time <u>1525</u> <u>1410</u> <u>1130</u> <u>0700</u> <u>1230</u> <u>1050</u> <u>1115</u> <u>1200</u> <u>1125</u>	
Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) Water Water Water Water Water Water Water Water Water		Sample Type (C=Comp, G=grab) G G G G G G G G G		Preservation Code: A X X X X X X X X X	
Field Filtered Sample (Yes or No) X X X X X X X X X X		Perform MS/MSD (Yes or No) X X X X X X X X X X		Total Number of Containers X X X X X X X X X X	
Special Instructions/Note: Sample not collected Sample not collected		Special Instructions/Note: Sample not collected Sample not collected			

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by: <u>Dino Zack</u> Date: <u>1/18/18</u> Time: <u>0930</u>		Relinquished by: <u>Dino Zack</u> Date/Time: <u>1/18/18 0930</u>		Relinquished by: <u>Dino Zack</u> Date/Time: <u>1/18/18 0930</u>	
Relinquished by: <u>Dino Zack</u> Date/Time: <u>1/18/18 0930</u>		Relinquished by: <u>Dino Zack</u> Date/Time: <u>1/18/18 0930</u>		Relinquished by: <u>Dino Zack</u> Date/Time: <u>1/18/18 0930</u>	
Relinquished by: <u>Dino Zack</u> Date/Time: <u>1/18/18 0930</u>		Relinquished by: <u>Dino Zack</u> Date/Time: <u>1/18/18 0930</u>		Relinquished by: <u>Dino Zack</u> Date/Time: <u>1/18/18 0930</u>	
Custody Seals Intact: <u>Yes</u> ☒ No ☐		Custody Seal No.: <u>21</u>		Cooler Temperature(s) °C and Other Remarks: <u>#121</u>	

Client Information Client Contact: Mr. Dino Zack Company: AECOM, Inc. Address: 257 West Genesee Street Suite 400 City: Buffalo State, Zip: NY, 14202-2657 Phone: 716 866 8222 Email: dino.zack@aecom.com Project Name: Scott Aviation site Site: New York		Lab PM: Fischer, Brian J E-Mail: brian.fischer@testamericainc.com Carrier Tracking No(s): 480-106255-3450.3 Page: Page 3 of 3 Job #:		Analysis Requested Due Date Requested: TAT Requested (days): PO #: Purchase Order not requir WO #: Project #: 48002539 SSOV#:	
Sample Identification DPT-8		Sample Date: 1/10/18 Sample Time: 1140 Sample Type (C=Comp, G=grab): Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air): Water		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8260C - TCL list OL M04.2	
Total Number of containers		Special Instructions/Note:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months		Special Instructions/QC Requirements:			
Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by:			
Relinquished by:		Date/Time: 1/11/18 0930		Company: AECOM	
Relinquished by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:	
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-129995-1

Login Number: 129995

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kinecki, Kenneth P

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	AECOM
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



APPENDIX D

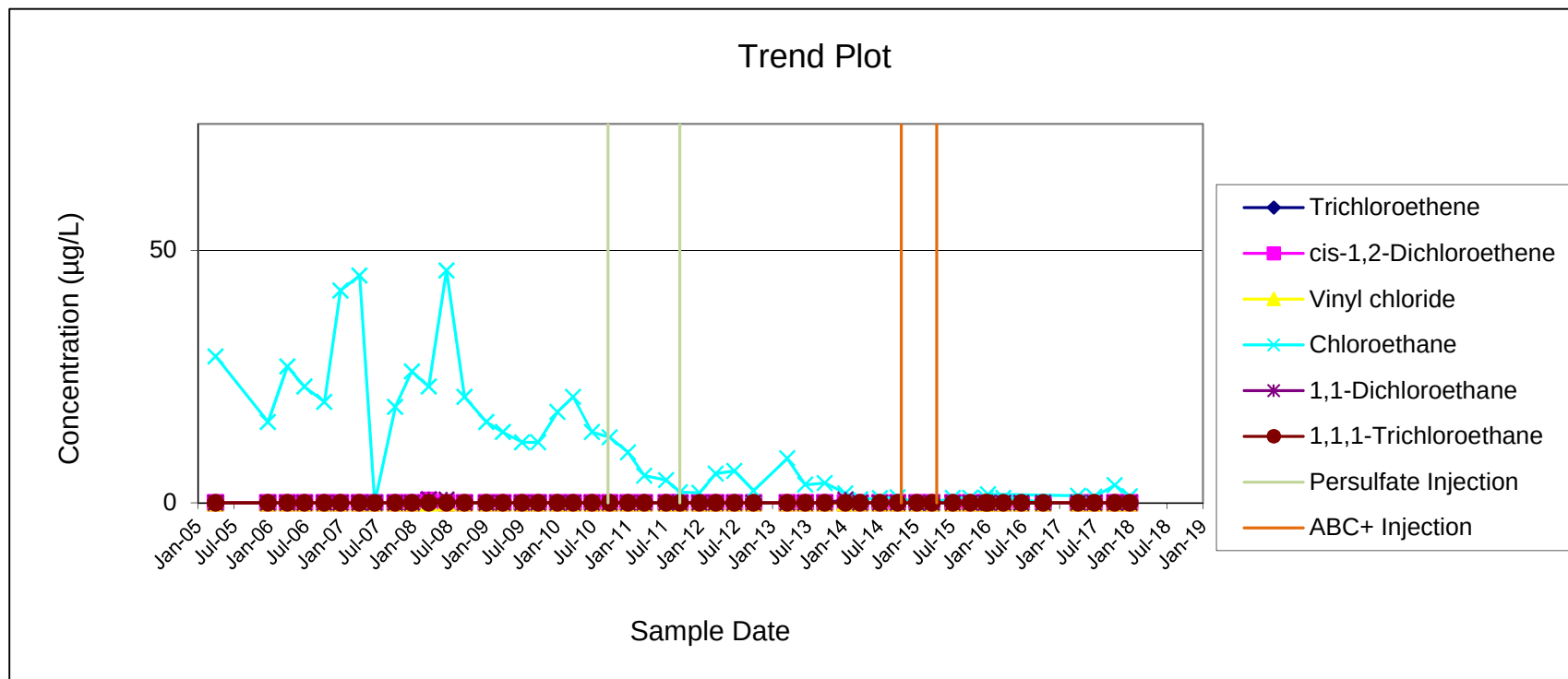
Historical and Current Summary of VOCs in Groundwater

**MONITORING WELL MW-2
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 10	< 10	29	< 10	<10
1/5/2006	< 25	< 25	< 25	16	< 25	< 25
4/14/2006	< 25	< 25	< 25	27	< 25	< 25
7/10/2006	< 25	< 25	< 25	23	< 25	< 25
10/19/2006	< 5	< 5	< 5	20	< 5	< 5
1/9/2007	< 5	< 5	< 5	42	< 5	< 5
4/16/2007	< 20	< 20	< 20	45	< 20	< 20
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/15/2007	< 5	< 5	< 5	19	< 5	< 5
1/8/2008	< 5	< 5	< 5	26	< 5	< 5
4/2/2008	< 5	0.48	< 5	23	1	< 5
7/1/2008	< 5	< 5	< 5	46	0.65	< 5
10/1/2008	< 5	< 5	< 5	21	<5	< 5
1/20/2009	< 5	< 5	< 5	16	<5	< 5
4/15/2009	< 5	< 5	< 5	14	<5	< 5
7/22/2009	< 5	< 5	< 5	12	<5	< 5
10/12/2009	< 5	< 5	< 5	12	<5	< 5
1/18/2010	< 25	< 25	< 25	18	< 25	< 25
4/7/2010	< 25	< 25	< 25	21	< 25	< 25
7/12/2010	< 25	< 25	< 25	14	< 25	< 25
10/11/2010	< 25	< 25	< 25	13	< 25	< 25
1/12/2011	<1	<1	<1	10	<1	<1
4/4/2011	<1	<1	<1	5.4	<1	<1
7/25/2011	<1	<1	<1	4.5	<1	<1
10/3/2011	<1	<1	<1	2.1	<1	<1
1/11/2012	<1	<1	<1	2	<1	<1
4/2/2012	<1	<1	<1	5.8	<1	<1
7/5/2012	<1	<1	<1	6.3	<1	<1
10/11/2012	<1	<1	<1	2.4	<1	<1
4/1/2013	<1	<1	<1	8.8	<1	<1
7/1/2013	<1	<1	<1	3.6	<1	<1
10/9/2013	<1	<1	<1	3.9	<1	<1
1/21/2014	<1	<1	<1	1.9	0.67	<1
4/7/2014	<1	<1	<1	0.68	<1	<1
7/16/2014	<1	<1	<1	0.94	<1	<1
10/14/2014	<1	<1	<1	1.1	<1	<1
1/20/2015	<5	<5	<5	<5	<5	<5
4/7/2015	<5	<5	<5	<5	<5	<5
7/22/2015	<1	<1	<1	1	<1	<1
10/19/2015	<1	<1	<1	1	<1	<1
1/5/2016	<1	<1	<1	1	<1	<1
4/4/2016	<1	<1	<1	1	<1	<1
7/5/2016	<1	<1	<1	<1	<1	<1
10/24/2016	<1	<1	<1	<1	<1	<1
1/17/2016	<1	<1	<1	1.7	<1	<1
4/20/2017	<1	<1	<1	1.4	<1	<1
7/12/2017	<1	<1	<1	1.2	<1	<1
10/23/2017	<1	<1	<1	3.5	<1	<1
1/8/2018	<1	<1	<1	1.3	<1	<1

Note TCE data from 10/11/10 was reported in error as 350 µg/L and cis-1,2-DCE was 25 µg/L.

MONITORING WELL MW-2
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

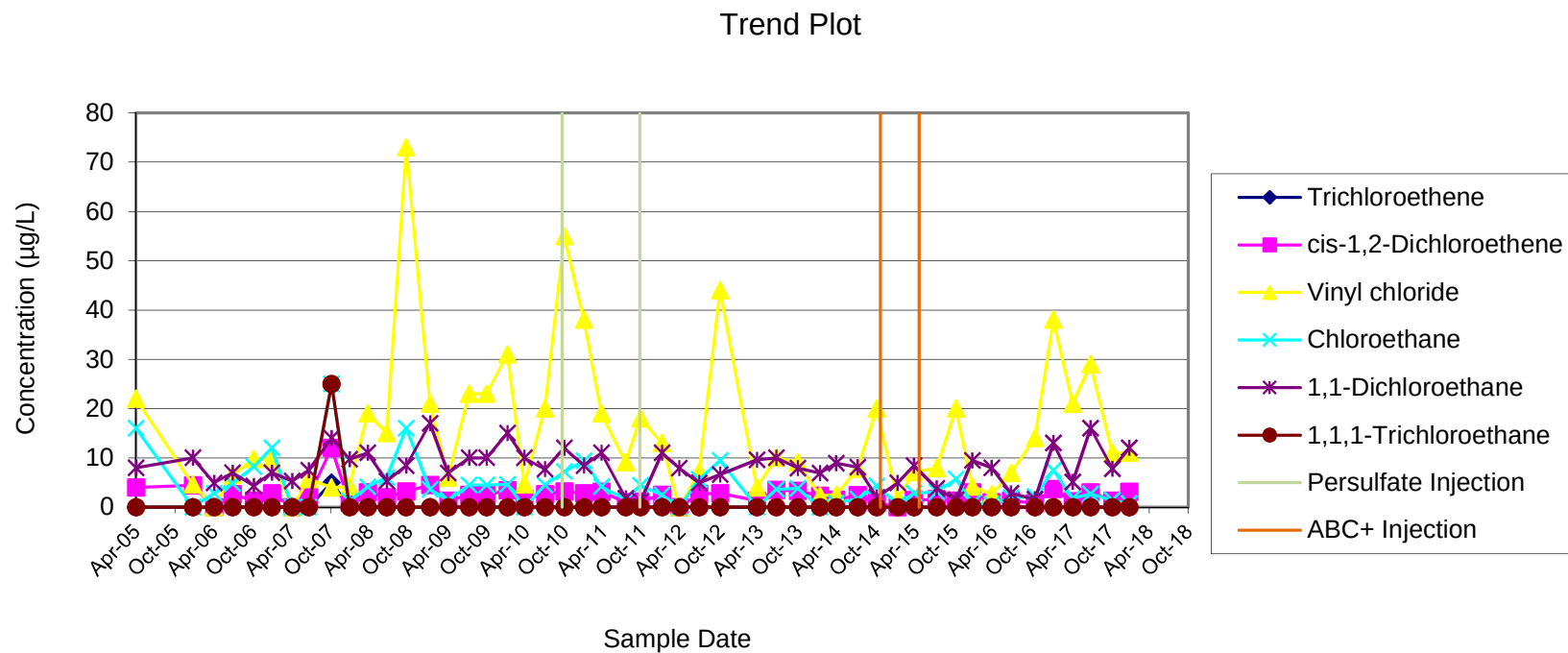


Note TCE data from 10/11/10 was reported in error as 350 µg/L and cis-1,2-DCE was reported as 25 µg/L.

MONITORING WELL MW-3
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	4	22	16	8	<10
1/5/2006	< 25	4.4	4.6	< 25	10	< 25
4/14/2006	< 25	< 25	< 25	2.8	4.9	< 25
7/10/2006	< 25	2.6	6.5	4.8	7	< 25
10/18/2006	< 5	1.3	9.8	8.2	4.3	< 5
1/10/2007	< 5	2.8	9.8	12	7	< 5
4/16/2007	< 20	< 20	< 20	< 20	5.3	< 20
7/2/2007	< 5	2	5.7	< 5	7.5	< 5
10/17/2007	5	12	4	25	14	25
1/9/2008	< 5	0.9	4.2	1.2	9.7	<5
4/3/2008	<5	3	19	4.1	11	<5
7/1/2008	<5	2	15	6	5.3	<5
10/1/2008	<5	3.2	73	16	8.4	<5
1/21/2009	<5	4.5	21	3.6	17	<5
4/15/2009	<5	1.3	6	1.4	6.9	<5
7/22/2009	<5	2.5	23	4.5	10	<5
10/12/2009	<5	2.5	23	4.5	10	<5
1/18/2010	<5	3.4	31	4.6	15	<5
4/7/2010	<5	1.7	4.6	<5	10	<5
7/13/2010	<5	2.6	20	4.5	7.7	<5
10/11/2010	<5	3.2	55	7.2	12	<5
1/12/2011	<1	2.8	38	9.4	8.4	<1
4/4/2011	<1	3.1	19	4.2	11	<1
7/26/2011	<1	0.98	9.1	1.5	1.8	<1
10/3/2011	<1	1.1	18	4.4	1.2	<1
1/13/2012	<1	2.5	13	2.5	11	<1
4/2/2012	<1	<1	<1	<1	7.9	<1
7/5/2012	<1	2.7	7.2	5.6	4.9	<1
10/11/2012	<1	2.8	44	9.5	6.6	<1
4/1/2013	<1	1.3	4	<1	9.6	<1
7/1/2013	<1	3.5	10	3.6	10	<1
10/10/2013	<1	3.3	9.1	3.8	7.9	<1
1/21/2014	<1	2.3	2.3	<1	6.9	<1
4/7/2014	<1	1.5	2.5	0.82	8.9	<1
7/17/2014	<1	2.4	7.8	1.7	8.1	<1
10/14/2014	<1	0.93	20	4.3	2	<1
1/20/2015	<1	<1	1.5	0.64	4.9	<1
4/7/2015	<1	1.4	7.1	2.8	8.4	<1
7/22/2015	<1	1.6	7.9	3.1	3.8	<1
10/21/2015	<1	1.3	20	5.7	1.5	<1
1/6/2016	<1	3	4.2	0.83	9.5	<1
4/5/2016	<1	0.98	2.6	0.58	8	<1
7/5/2016	<1	1.3	6.9	1.9	2.8	<1
10/25/2016	<1	0.81	14	2.2	1.6	<1
1/19/2017	<1	3.7	38	7.5	13	<1
4/20/2017	<1	1.2	21	1.8	5.1	<1
7/12/2017	<1	3	29	2.7	16	<1
10/23/2017	<1	1.3	11	1.4	7.8	<1
1/10/2018	<1	3.1	11	0.72	12	<1

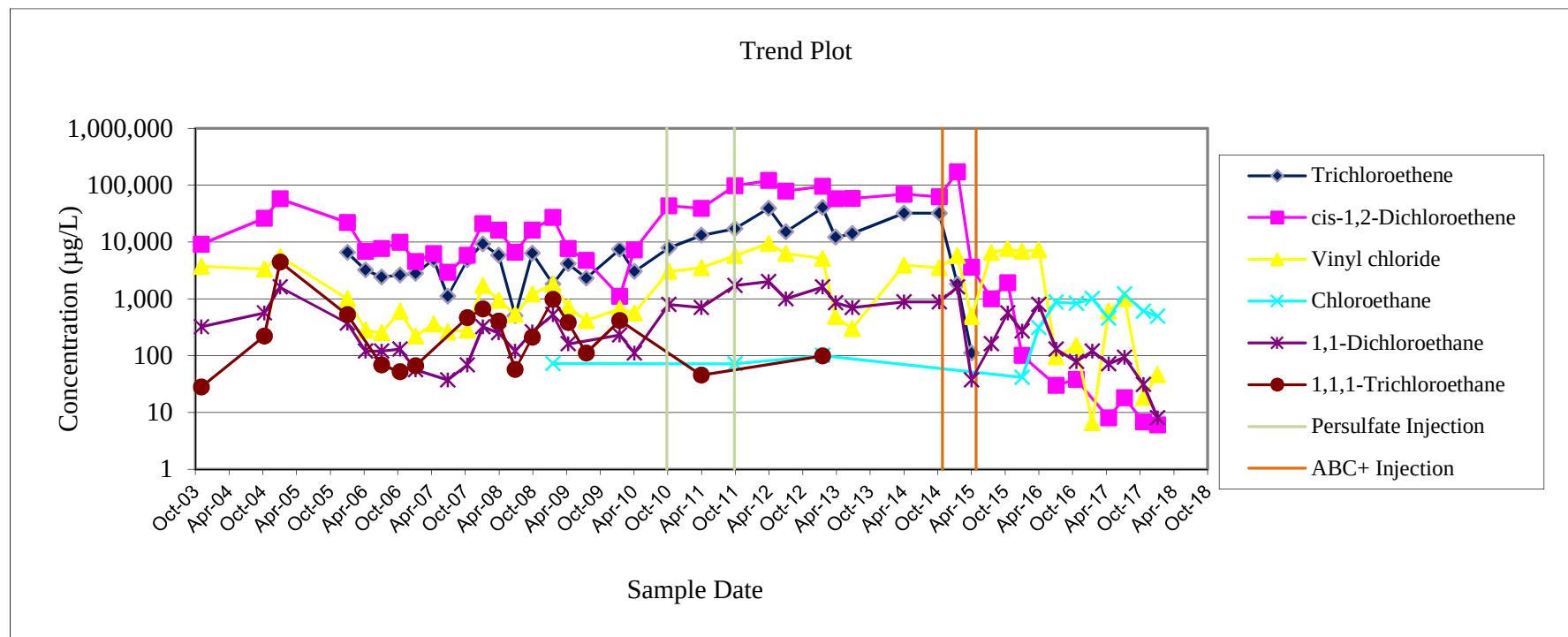
MONITORING WELL MW-3
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-4
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	270	9,100	3,700	< 10	320	28
10/13/2004	8,100	26,000	3,300	< 1000	560	220
1/7/2005	20,000	57,000	5,500	< 2000	1,600	4,400
1/6/2006	6,500	22,000	1,000	< 2000	370	520
4/14/2006	3,200	6,800	280	<500	120	<500
7/10/2006	2,400	7,600	250	<500	120	68
10/18/2006	2,600	9,800	600	<5	130	52
1/10/2007	2,800	4,500	220	<400	56	66
4/17/2007	4,900	6,200	360	<500	<500	<500
7/3/2007	1,100	2,900	260	<200	37	<200
10/17/2007	4,800	5,800	280	<500	68	460
1/9/2008	9,200	21,000	1,700	<500	320	660
4/3/2008	5,800	16,000	940	<1200	250	400
7/2/2008	500	6,600	530	<500	120	57
10/2/2008	6,300	16,000	1,200	<500	260	210
1/22/2009	1,800	27,000	1,800	72	520	970
4/15/2009	4,100	7,600	710	<200	160	380
7/22/2009	2,300	4,700	410	<250	<250	110
1/19/2010	7,400	1,100	670	<1000	230	410
4/8/2010	3,000	7,200	560	<500	110	<500
10/11/2010	7,800	43,000	3,000	<4,000	790	<4,000
4/6/2011	13,000	39,000	3,500	<40	700	45
10/4/2011	17,000	97,000	5,700	71	1700	<1
4/3/2012	39,000	120,000	9,400	<200	2000	<200
7/6/2012	15,000	78,000	6,200	<1000	990	<1000
1/21/2013	40,000	95,000	5,100	100	1600	98
4/2/2013	12,000	57,000	480	<40	850	<40
7/1/2013	14,000	58,000	300	<100	700	<100
4/7/2014	32,000	69,000	3,900	<1000	880	<1000
10/14/2014	32,000	62,000	3,500	<1000	880	<1000
1/21/2015	1,800	170,000	5,700	<1000	1,600	<1000
4/7/2015	110	3,600	480	<80	37	<80
7/23/2015	<100	990	6,500	<100	160	<100
10/20/2015	<100	1,900	7,600	<100	560	<100
1/6/2016	<100	100	6,800	41	270	<100
4/6/2016	<100	<100	7,200	310	790	<100
7/8/2016	<20	30	95	870	130	<20
10/25/2016	<20	38	150	830	78	<20
1/19/2017	<20	<20	7	1,000	120	<20
4/18/2017	<5	8	610	450	71	<5
7/13/2017	<20	18	1,000	1,200	93	<20
10/23/2017	<20	7	18	600	31	<20
1/8/2018	<5	6	46	490	8	<5

MONITORING WELL MW-4
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



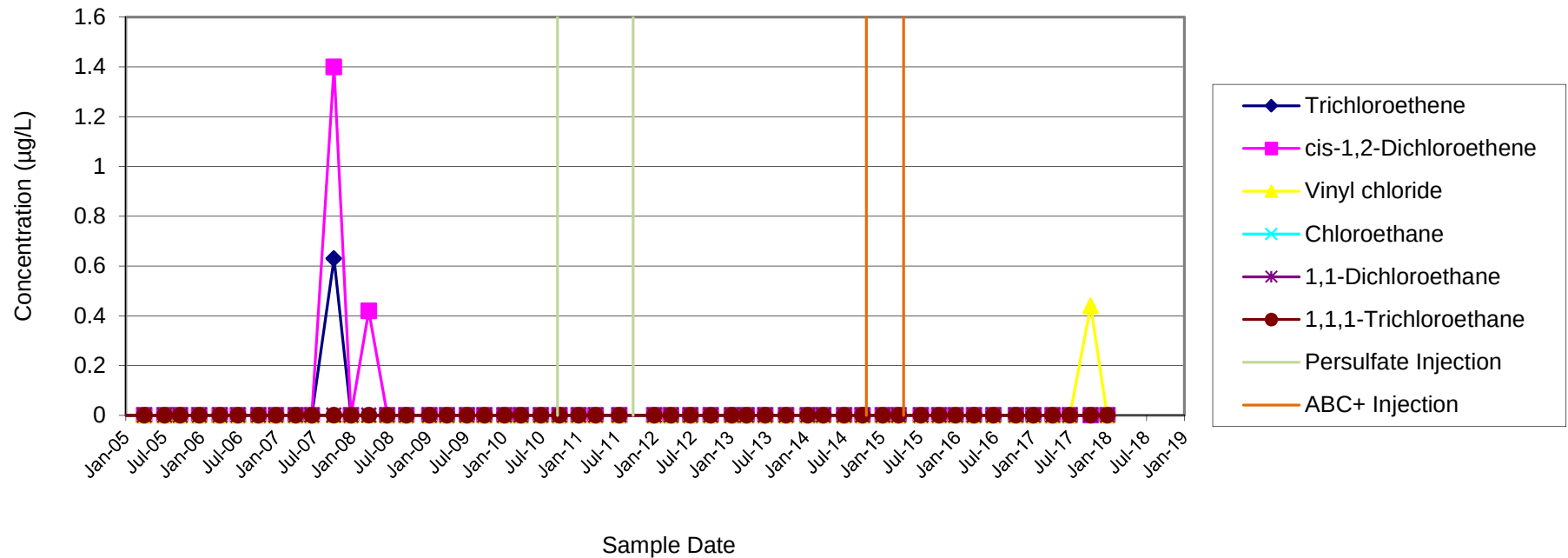
Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

**MONITORING WELL MW-6
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	< 10	< 10	< 10	< 10	< 10	< 6
10/12/2004	< 10	< 10	< 10	< 10	< 10	< 10
1/6/2005	< 10	< 10	< 10	< 10	< 10	< 10
4/14/2005	< 10	< 10	< 10	< 10	< 10	< 10
7/21/2005	< 5	< 5	< 5	< 5	< 5	< 5
10/4/2005	< 5	< 5	< 5	< 5	< 5	< 5
1/5/2006	< 5	< 5	< 5	< 5	< 5	< 5
4/14/2006	< 5	< 5	< 5	< 5	< 5	< 5
7/10/2006	< 5	< 5	< 5	< 5	< 5	< 5
10/18/2006	< 5	< 5	< 5	< 5	< 5	< 5
1/10/2007	< 5	< 5	< 5	< 5	< 5	< 5
4/16/2007	< 5	< 5	< 5	< 5	< 5	< 5
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/17/2007	0.63	1.4	< 5	< 5	< 5	< 5
1/8/2008	<5	<5	<5	< 5	< 5	< 5
4/3/2008	<5	0.42	<5	<5	<5	<5
7/1/2008	<5	<5	<5	<5	<5	<5
10/1/2008	<5	<5	<5	<5	<5	<5
1/20/2009	<5	<5	<5	<5	<5	<5
4/15/2009	<5	<5	<5	<5	<5	<5
7/21/2009	<5	<5	<5	<5	<5	<5
10/13/2009	<5	<5	<5	<5	<5	<5
1/18/2010	<5	<5	<5	<5	<5	<5
4/7/2010	<5	<5	<5	<5	<5	<5
7/13/2010	<5	<5	<5	<5	<5	<5
10/11/2010	<5	<5	<5	<5	<5	<5
1/12/2011	<1	<1	<1	<1	<1	<1
4/4/2011	<1	<1	<1	<1	<1	<1
7/26/2011	<1	<1	<1	<1	<1	<1
1/12/2012	<1	<1	<1	<1	<1	<1
4/2/2012	<1	<1	<1	<1	<1	<1
7/5/2012	<1	<1	<1	<1	<1	<1
10/11/2012	<1	<1	<1	<1	<1	<1
1/21/2013	<1	<1	<1	<1	<1	<1
4/1/2013	<1	<1	<1	<1	<1	<1
7/1/2013	<1	<1	<1	<1	<1	<1
10/10/2013	<1	<1	<1	<1	<1	<1
1/22/2014	<1	<1	<1	<1	<1	<1
4/7/2014	<1	<1	<1	<1	<1	<1
7/17/2014	<1	<1	<1	<1	<1	<1
10/14/2014	<1	<1	<1	<1	<1	<1
1/20/2015	<1	<1	<1	<1	<1	<1
4/6/2015	<1	<1	<1	<1	<1	<1
7/23/2015	<1	<1	<1	<1	<1	<1
10/19/2015	<1	<1	<1	<1	<1	<1
1/6/2016	<1	<1	<1	<1	<1	<1
4/4/2016	<1	<1	<1	<1	<1	<1
7/7/2016	<1	<1	<1	<1	<1	<1
10/24/2016	<1	<1	<1	<1	<1	<1
1/17/2017	<1	<1	<1	<1	<1	<1
4/19/2017	<1	<1	<1	<1	<1	<1
7/12/2017	<1	<1	<1	<1	<1	<1
10/20/2017	<1	<1	0.44	<1	<1	<1
1/8/2018	<1	<1	<1	<1	<1	<1

MONITORING WELL MW-6
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

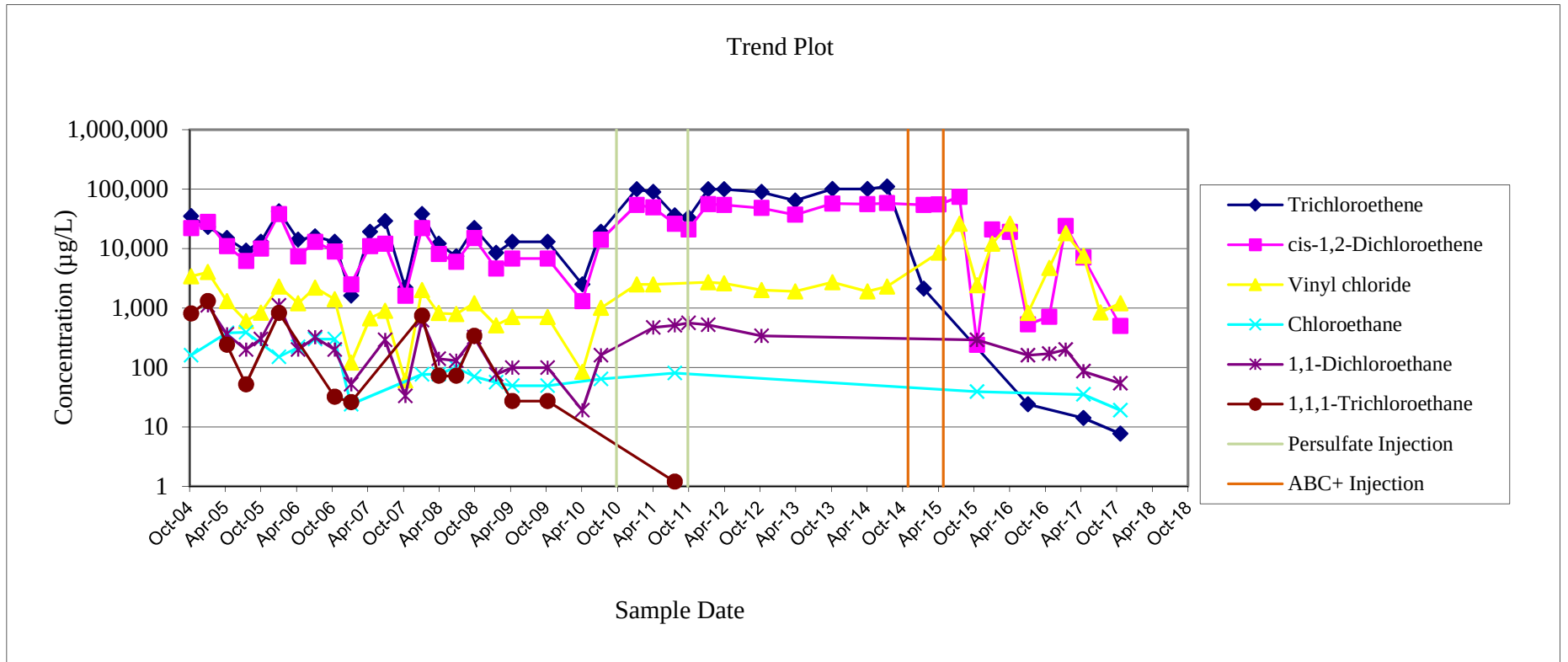


MONITORING WELL MW-8R
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
10/13/2004	35,000	22,000	3,400	160	< 5,000	810
1/7/2005	23,000	28,000	4,000	< 2,000	1,100	1,300
4/14/2005	15,000	11,000	1,300	380	360	240
7/21/2005	9,200	6,200	600	390	200	52
10/5/2005	13,000	10,000	830	< 1,000	300	<1,000
1/6/2006	42,000	38,000	2,300	150	1100	820
4/14/2006	14,000	7,400	1,200	220	200	< 1,000
7/10/2006	16,000	13,000	2,200	300	320	< 1,000
10/18/2006	13,000	8,900	1,400	300	200	32
1/10/2007	1,600	2,500	120	24	52	26
4/17/2007	19,000	11,000	670	< 1,000	< 1,000	< 1,000
7/3/2007	29,000	12,000	890	< 1,000	290	< 1,000
10/15/2007	2,200	1,600	60	< 200	33	< 200
1/8/2008	38,000	22,000	2,000	76	620	740
4/3/2008	12,000	8,100	820	77	140	72
7/2/2008	7,400	6,000	790	100	130	72
10/2/2008	22,000	15,000	1,200	70	320	340
1/22/2009	8,400	4,600	510	56	76	<100
4/15/2009	13,000	6,800	700	49	99	27
10/13/2009	13,000	6,800	700	49	99	27
4/8/2010	2,500	1,300	84	<100	19	<100
7/12/2010	19,000	14,000	1,000	64	160	<100
1/12/2011	99,000	54,000	2,500	<2000	<2000	<2000
4/6/2011	89,000	49,000	2,500	<800	470	<800
7/26/2011	36,000	26,000	<800	80	510	1.2
10/4/2011	33,000	21,000	<400	<400	560	<400
1/13/2012	99,000	56,000	2,700	<800	520	<800
4/3/2012	99,000	54,000	2,600	<2000	<2000	<2000
10/12/2012	89,000	48,000	2,000	<800	340	<800
4/2/2013	64,000	37,000	1,900	<1000	<1000	<1000
10/10/2013	100,000	57,000	2,700	<1000	<1000	<1000
4/7/2014	100,000	56,000	1,900	<1000	<1000	<1000
7/17/2014	110,000	58,000	2,300	<1000	<1000	<1000
1/21/2015	2,100	54,000	<2000	<2000	<2000	<2000
4/6/2015	<2000	55,000	8,500	<2000	<2000	<2000
7/23/2015	<200	74,000	26,000	<200	<200	<200
10/21/2015	<25	240	2,400	39	290	<25
1/6/2016	<1,000	21,000	12,000	<1,000	<1,000	<1,000
4/6/2016	<1,000	19,000	26,000	<1,000	<1,000	<1,000
7/8/2016	24	530	820	<20	160	<20
10/25/2016	<100	710	4,700	<100	170	<100
1/17/2017	<100	24,000	18,000	<100	200	<100
4/18/2017	14	7,100	7,500	35	86	<50
7/13/2017	<400	<400	840	<400	<400	<400
10/24/2017	7.7	500	1,200	19	54	<10
1/1/2018	NA	NA	NA	NA	NA	NA

Note well was not accessible during the January 2018 sampling event.

MONITORING WELL MW-8R
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



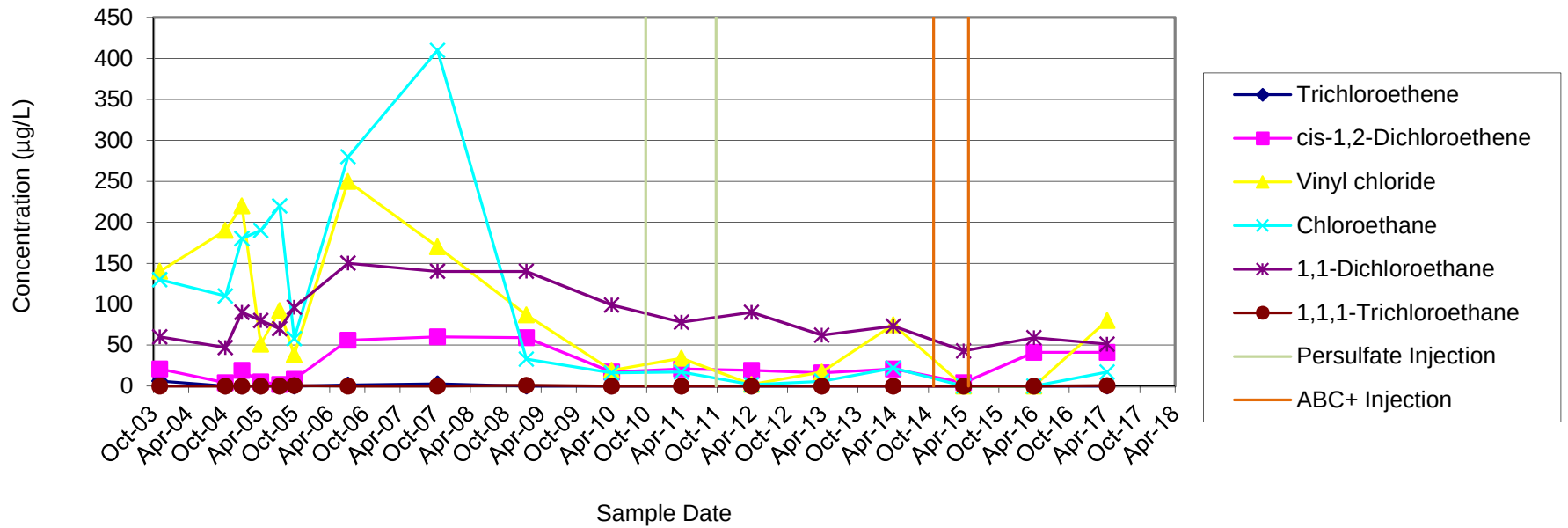
Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

MONITORING WELL MW-9
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	6	21	140	130	60	< 10
10/13/2004	< 10	4	190	110	47	< 10
1/6/2005	< 10	19	220	180	90	< 10
4/14/2005	< 10	5	51	190	80	< 10
7/21/2005	< 5	2	92	220	70	< 5
10/5/2005	< 5	8	38	58	96	0.68
7/10/2006	1.3	56	250	280	150	< 5
10/17/2007	2.6	60	170	410	140	< 25
1/21/2009	<5	59	87	33	140	0.81
4/7/2010	<5	17	19	16	99	< 5
4/4/2011	<1	21	34	17	78	<1
4/2/2012	<1	19	1.8	1.5	90	<1
4/1/2013	<1	16	17	5.9	62	<1
4/7/2014	<1	21	75	22	73	<1
4/7/2015	<1	4.1	<1	<1	43	<1
4/5/2016	<1	41	<1	<1	59	<1
4/20/2017	<1	41	80	17	51	0.6

**MONITORING WELL MW-9
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**

Trend Plot



MONITORING WELL MW-10
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 10	< 10	< 10	< 10	<10
1/5/2006	< 5	< 5	< 5	< 5	< 5	< 5
4/14/2006	< 5	< 5	< 5	< 5	< 5	< 5
7/10/2006	< 5	< 5	< 5	< 5	< 5	< 5
10/18/2006	< 5	< 5	< 5	< 5	< 5	< 5
1/9/2007	< 5	< 5	< 5	< 5	< 5	< 5
4/16/2007	< 5	< 5	< 5	< 5	< 5	< 5
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/17/2007	< 5	< 5	< 5	< 5	< 5	< 5
1/9/2008	< 5	< 5	< 5	< 5	< 5	< 5
4/3/2008	< 5	< 5	< 5	< 5	< 5	< 5
7/1/2008	< 5	< 5	< 5	< 5	< 5	< 5
10/1/2008	< 5	< 5	< 5	< 5	< 5	< 5
1/20/2008	< 5	< 5	< 5	< 5	< 5	< 5
4/15/2009	< 5	< 5	< 5	< 5	< 5	< 5
7/21/2009	< 5	< 5	< 5	< 5	< 5	< 5
10/13/2009	< 5	< 5	< 5	< 5	< 5	< 5
1/18/2010	< 5	< 5	< 5	< 5	< 5	< 5
4/7/2010	< 5	< 5	< 5	< 5	< 5	< 5
7/13/2010	< 5	< 5	< 5	< 5	< 5	< 5
10/11/2010	< 5	< 5	< 5	< 5	< 5	< 5
1/12/2011	<1	<1	<1	<1	<1	<1
4/4/2011	<1	<1	<1	<1	<1	<1
7/26/2011	<1	<1	<1	<1	<1	<1
10/3/2011	<1	<1	<1	<1	<1	<1
1/12/2012	<1	<1	<1	<1	<1	<1
4/2/2012	<1	<1	<1	<1	<1	<1
7/5/2012	<1	<1	<1	<1	<1	<1
10/11/2012	<1	<1	<1	<1	<1	<1
4/1/2013	<1	<1	<1	<1	<1	<1
7/1/2013	<1	<1	<1	<1	<1	<1
10/10/2013	<1	<1	<1	<1	<1	<1
1/22/2014	<1	<1	<1	<1	<1	<1
4/7/2014	<1	<1	<1	<1	<1	<1
7/17/2014	<1	<1	<1	<1	<1	<1
10/14/2014	<1	<1	<1	<1	<1	<1
1/20/2015	<1	<1	<1	<1	<1	<1
4/6/2015	<1	<1	<1	<1	<1	<1
7/23/2015	<1	<1	<1	<1	<1	<1
10/19/2015	<1	<1	<1	<1	<1	<1
1/6/2016	<1	<1	<1	<1	<1	<1
4/4/2016	<1	<1	<1	<1	<1	<1
7/7/2016	<1	<1	<1	<1	<1	<1
10/24/2016	<1	<1	<1	<1	<1	<1
1/17/2017	<1	<1	<1	<1	<1	<1
4/19/2017	<1	<1	<1	<1	<1	<1
7/12/2017	<1	<1	<1	<1	<1	<1
10/20/2017	<1	<1	<1	<1	<1	<1
1/8/2018	<1	<1	<1	<1	<1	<1

Lancaster, New York

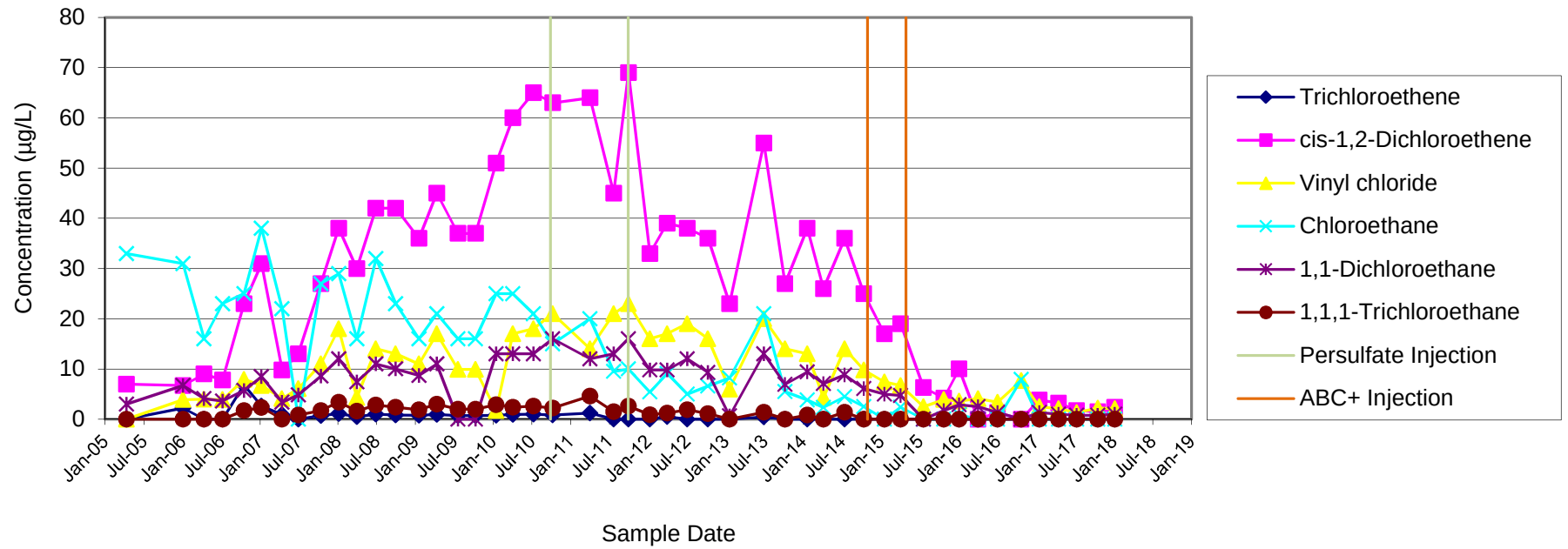


MONITORING WELL MW-11
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	7	< 10	33	3	< 10
1/5/2006	2.2	6.7	3.9	31	6.7	<20
4/14/2006	< 20	9	4	16	4.1	< 20
7/10/2006	< 20	7.8	3.9	23	3.6	< 20
10/19/2006	6.8	23	7.9	25	5.7	1.7
1/9/2007	2.6	31	6.7	38	8.5	2.3
4/16/2007	0.89	9.8	4.1	22	3.4	<5
7/2/2007	< 5	13	6.1	< 5	4.8	0.84
10/16/2007	0.71	27	11	27	8.6	1.7
1/8/2008	1.1	38	18	29	12	3.4
4/2/2008	0.49	30	4.3	16	7.4	1.6
7/1/2008	1	42	14	32	11	2.8
10/2/2008	0.81	42	13	23	10	2.4
1/20/2009	0.77	36	11	16	8.7	1.9
4/14/2009	0.95	45	17	21	11	3
7/22/2009	0.69	37	9.9	16	<5	2
10/13/2009	0.69	37	9.9	16	<5	2
1/18/2010	0.77	51	1.7	25	13	2.9
4/7/2010	0.95	60	17	25	13	2.4
7/12/2010	1	65	18	21	13	2.6
10/11/2010	0.8	63	21	15	16	2.2
4/5/2011	1.2	64	14	20	12	4.6
7/25/2011	<1	45	21	9.5	13	1.5
10/3/2011	<1	69	23	10	16	2.6
1/12/2012	<1	33	16	5.4	9.8	0.88
4/2/2012	0.51	39	17	9.1	9.8	1.2
7/5/2012	<1	38	19	5	12	1.9
10/11/2012	<1	36	16	6.6	9.3	1.1
1/21/2013	<1	23	6	8.2	0.64	<1
7/1/2013	0.46	55	20	21	13	1.4
10/9/2013	<1	27	14	5.5	6.9	<1
1/21/2014	<1	38	13	3.8	9.4	0.85
4/7/2014	<1	26	4.3	2.3	7.1	<1
7/16/2014	<1	36	14	4.5	8.8	1.4
10/14/2014	<1	25	9.8	2.5	6.1	<1
1/20/2015	<5	17	7.4	<5	5.0	<5
4/6/2015	<2	19	6.7	2.4	4.7	<2
7/22/2015	<1	6.3	2.5	<1	<1	<1
10/26/2015	<1	4.2	3.9	<1	1.7	<1
1/6/2016	<1	10	3.6	0.89	2.9	<1
4/4/2016	<1	<1	4.1	<1	2.5	<1
7/5/2016	<1	1.3	3.4	<1	1.3	<1
10/24/2016	<1	<1	7.7	7.9	<1	<1
1/17/2017	<1	3.8	2.5	<1	1.3	<1
4/18/2017	<1	3.2	2.1	<1	1	<1
7/12/2017	<1	1.7	1.3	<1	0.78	<1
10/20/2017	<1	1.5	2.2	<1	0.79	<1
1/8/2018	<1	2.4	2.1	<1	0.99	<1

MONITORING WELL MW-11
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot



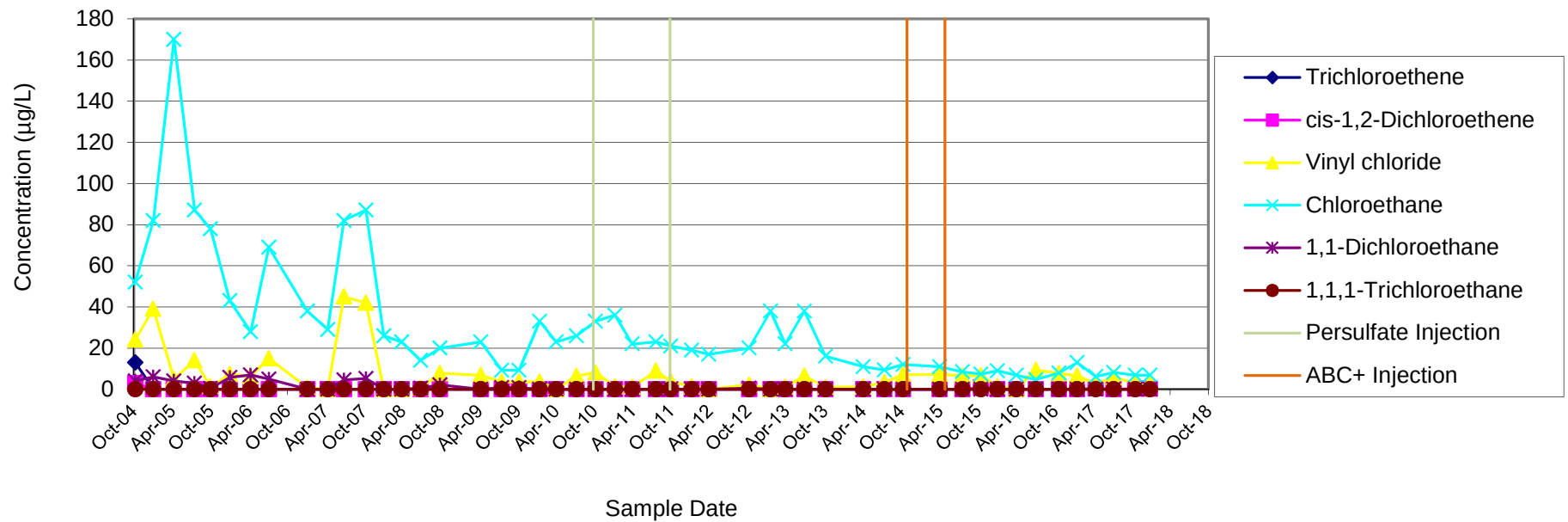
MONITORING WELL MW-12
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
10/12/2004	13	3	24	52	4	< 10
1/6/2005	< 10	< 10	39	82	6	< 10
4/14/2005	< 10	< 10	5	170	4	< 10
7/21/2005	< 5	< 5	14	87	3	<
10/5/2005	< 5	< 5	1.2	78	0.43	< 5
1/5/2006	< 25	< 25	7.2	43	5.8	< 25
4/14/2006	< 25	< 25	6.3	28	6.9	< 25
7/10/2006	< 25	< 25	15	69	5	< 25
1/9/2007	< 5	< 5	0.83	38	< 5	< 5
4/16/2007	< 20	< 20	< 20	29	< 20	< 20
7/2/2007	< 5	< 5	45	82	4.6	< 5
10/15/2007	< 5	< 5	42	87	5.2	< 5
1/8/2008	< 5	< 5	< 5	26	< 5	< 5
4/2/2008	< 5	< 5	< 5	23	< 5	< 5
7/1/2008	< 5	< 5	0.64	14	0.55	< 5
10/1/2008	< 5	< 5	7.8	20	2.1	< 5
4/14/2009	<5	<5	6.8	23	<5	<5
7/22/2009	<5	<5	3.6	9.2	0.79	<5
10/12/2009	<5	<5	3.6	9.2	0.79	<5
1/18/2010	<5	<5	3.6	33	<5	<5
4/7/2010	<5	<5	< 5	23	<5	<5
7/13/2010	<5	<5	6.4	26	<5	<5
10/11/2010	<5	<5	8.1	33	<5	<5
1/12/2011	<1	<1	1.3	36	<1	<1
4/4/2011	<1	<1	1.1	22	<1	<1
7/26/2011	<1	<1	8.9	23	<1	<1
10/4/2011	<1	<1	3.9	21	<1	<1
1/12/2012	<1	<1	1.4	19	<1	<1
4/2/2012	<1	<1	<1	17	<1	<1
10/11/2012	<1	<1	2.1	20	0.49	<1
1/21/2013	<1	<1	<1	38	<1	<1
4/1/2013	<1	<1	1.1	22	<1	<1
7/1/2013	<1	<1	6.6	38	<1	<1
10/10/2013	<1	<1	0.95	16	<1	<1
4/7/2014	<1	<1	1.2	11	<1	<1
7/17/2014	<1	<1	3.3	9.4	<1	<1
10/14/2014	<1	<1	7.1	12	<1	<1
4/6/2015	<1	<1	7.2	11	<1	<1
7/23/2015	<1	<1	6.6	8.5	<1	<1
10/19/2015	<1	0.88	6.7	7.4	<1	<1
1/6/2016	<1	<1	1.5	9	<1	<1
4/5/2016	<5	<5	< 5	6.8	<5	<5
7/6/2016	<5	<5	9.4	4.7	<5	<5
10/24/2016	<1	<1	7.7	7.9	<1	<1
1/19/2017	<1	<1	6.5	13	<1	<1
4/18/2017	<1	0.36	2.6	6.2	<1	<1
7/12/2017	<1	<1	5.8	8.1	<1	<1
10/23/2017	<1	0.24	2.9	6.8	<1	<1
1/1/2018	<1	0.24	2.9	6.8	<1	<1

Note well was not accessible during the January 2018 sampling event.

MONITORING WELL MW-12
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

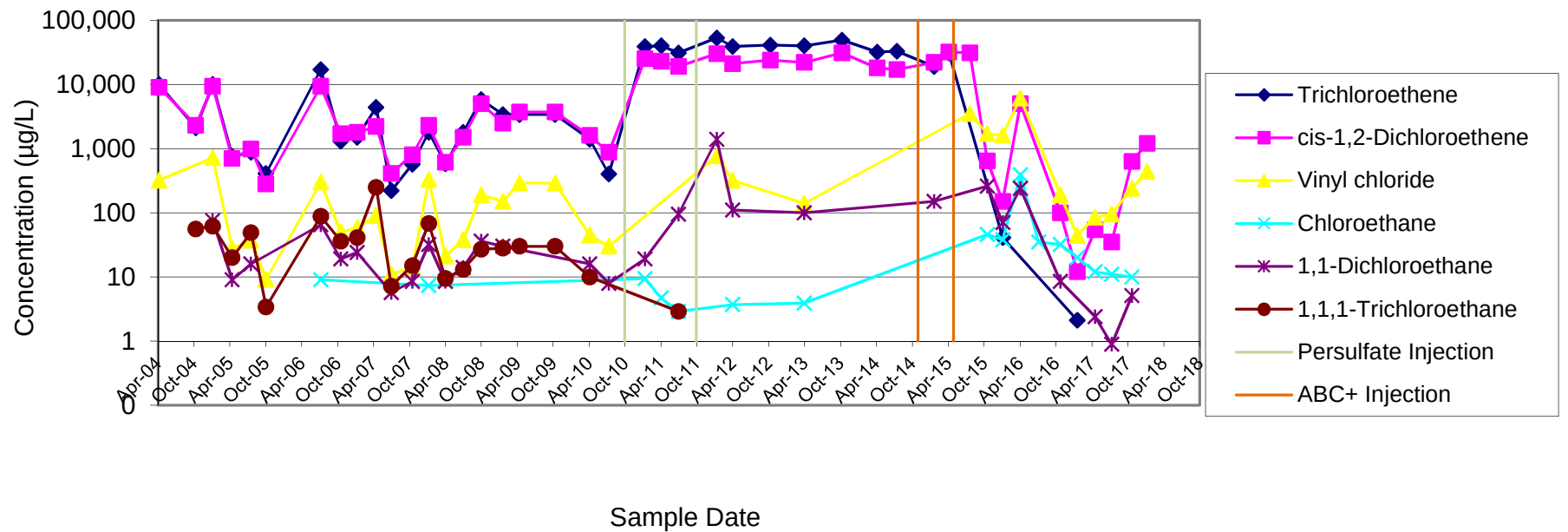


PIEZOMETER MW-13S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	10,000	9,000	320	< 100	< 100	< 100
10/12/2004	2,100	2,300	< 200	< 200	< 200	56
1/6/2005	10,000	9,400	720	< 200	75	62
4/15/2005	760	700	28	< 50	9	20
7/20/2005	870	990	37	< 40	16	49
10/4/2005	410	280	9.1	< 40	< 40	3.4
7/10/2006	17,000	9,400	300	9	65	88
10/19/2006	1,300	1,700	50	<100	19	36
1/10/2007	1,500	1,800	58	<100	24	41
4/17/2007	4,400	2,200	90	< 250	< 250	250
7/3/2007	220	410	11	< 25	5.7	7.2
10/18/2007	570	800	14	< 25	8.5	15
1/9/2008	1800	2300	330	7.3	32	68
4/3/2008	580	610	21	<50	8.5	9.5
7/2/2008	1,800	1,500	38	<120	14	13
10/2/2008	5,800	5,000	190	<120	36	27
1/20/2009	3,400	2,500	150	<10	30	28
4/15/2009	3,400	3,700	290	<40	<40	30
10/13/2009	3,400	3,700	290	<40	<40	30
4/7/2010	1,400	1,600	45	<50	16	10
7/13/2010	400	870	30	<50	7.9	<50
1/12/2011	39,000	25,000	<500	9.4	19	<1
4/6/2011	40,000	23,000	<800	4.7	<800	<800
7/2/2011	31,000	19,000	<800	2.9	95	2.9
1/13/2012	53,000	30,000	770	<800	1400	<800
4/3/2012	39,000	21,000	320	3.7	110	<1
10/12/2012	41,000	24,000	<800	<800	<800	<800
4/2/2013	40,000	22,000	140	3.9	100	<1
10/10/2013	49,000	31,000	<1	<1	<1	<1
4/7/2014	32,000	18,000	<500	<500	<500	<500
7/17/2014	33,000	17,000	<500	<500	<500	<500
1/21/2015	19,000	22,000	<500	<500	150	<500
4/7/2015	31,000	32,000	<500	<500	<500	<500
7/23/2015	<500	31,000	3,500	<500	<500	<500
10/20/2015	<10	640	1,700	46	260	<10
1/6/2016	41	150	1,600	38	70	<25
4/5/2016	<100	5,000	6,100	390	240	<100
7/6/2016	<4	<4	<4	35	<4	<4
10/25/2016	<2	100	190	32	8.5	<2
1/19/2017	2.1	12	44	20	<2	<2
4/19/2017	<1	54	85	12	2.4	<1
7/13/2017	<2	35	95	11	0.89	<2
10/24/2017	<5	630	240	10	5.1	<5
1/9/2018	<40	1200	440	<40	<40	<40

MONITORING WELL MW-13S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

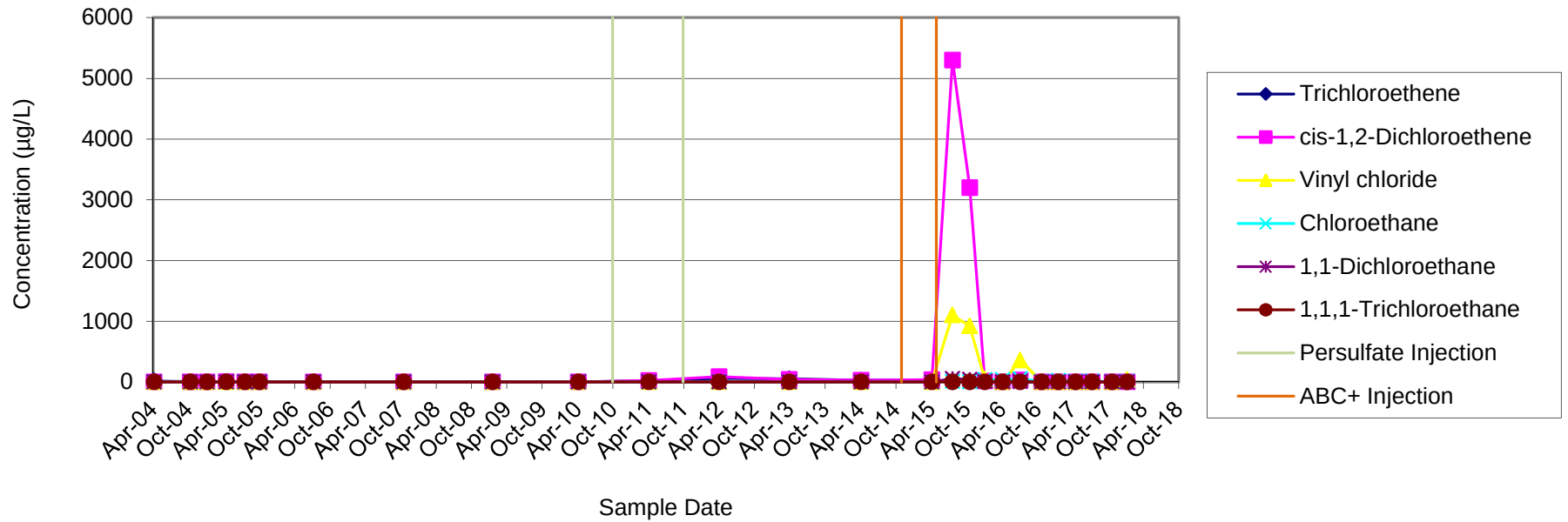


PIEZOMETER MW-13D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	17	2	< 10	< 10	< 10	< 10
10/12/2004	7	2	< 10	< 10	< 10	< 10
1/6/2005	< 10	< 10	< 10	< 10	< 10	< 10
4/15/2005	8	4	< 10	< 10	< 10	< 10
7/20/2005	1	2	< 5	< 5	< 5	< 5
10/4/2005	1.4	1.5	< 5	< 5	< 5	< 5
7/10/2006	2	1.6	2.6	< 5	< 5	< 5
10/18/2007	<5	0.55	1.1	< 5	< 5	< 5
1/20/2009	<5	<5	<5	<5	<5	<5
4/7/2010	<5	<5	<5	<5	<5	<5
4/6/2011	22	23	<1	<1	<1	<1
4/3/2012	62	89	2.3	<1	<1	<1
4/1/2013	53	44	2.9	<1	<1	<1
4/7/2014	30	28	1.9	<1	<1	<1
4/7/2015	40	37	<1	<1	<1	<1
7/23/2015	2	5300	1100	11	56	<1
10/20/2015	<100	3200	920	<100	42	<100
1/6/2016	<10	15	47	38	12	<10
4/6/2016	<10	<10	<10	36	<10	<10
7/6/2016	<10	34	360	51	7.8	<10
10/25/2016	0.47	1	<1	12	<1	<1
1/19/2017	<1	<1	<1	25	<1	<1
4/19/2017	<1	0.87	<1	9	<1	<1
7/13/2017	<1	<1	<1	13	<1	<1
10/24/2017	<1	<1	<1	6.9	<1	<1
1/9/2018	<1	1.1	39	9.9	0.73	<1

PIEZOMETER MW-13D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

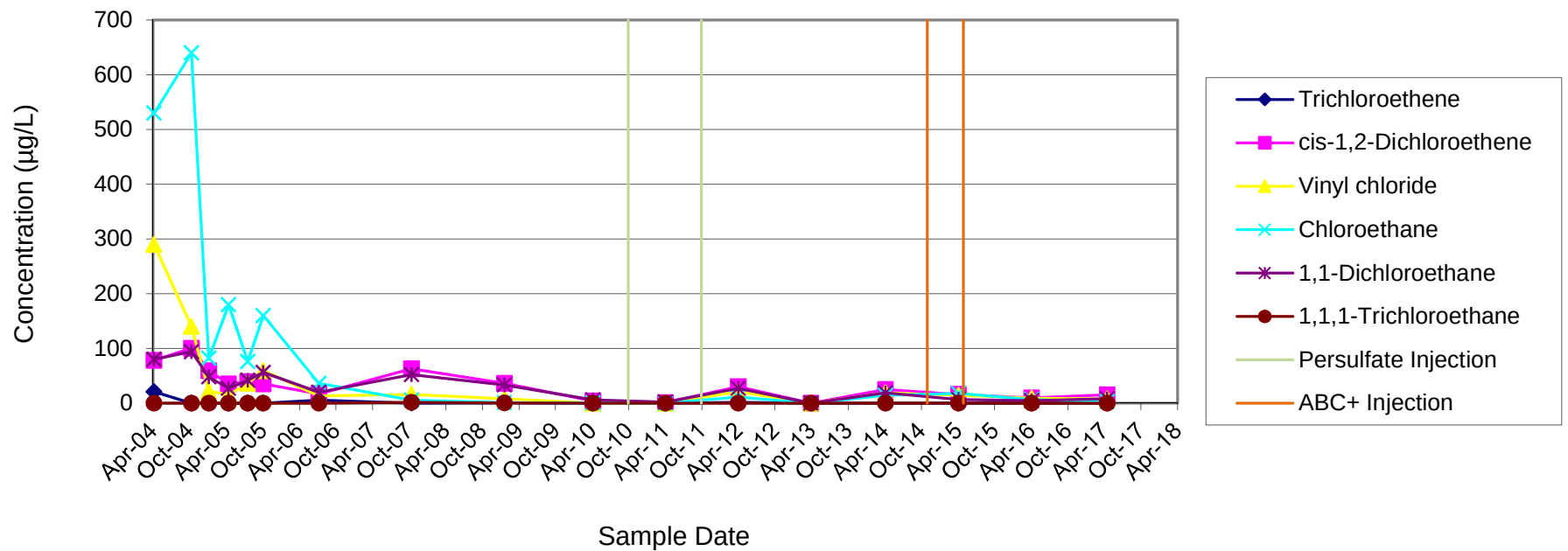


PIEZOMETER MW-14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	21	78	290	530	80	< 20
10/12/2004	< 10	100	140	640	94	< 10
1/6/2005	< 10	59	22	82	48	< 10
4/15/2005	< 10	35	15	180	27	< 10
7/20/2005	< 5	39	36	76	42	< 5
10/5/2005	< 5	35	59	160	56	< 5
7/10/2006	5.7	17	13	36	20	< 25
10/15/2007	< 5	63	16	5.7	52	1.3
1/21/2009	0.38	36	7.9	0.87	33	0.63
4/8/2010	< 5	4	< 5	0.62	5.9	< 5
4/5/2011	< 1	1.1	< 1	< 1	1.9	< 1
4/2/2012	1.3	30	21	11	27	< 1
4/1/2013	< 1	< 1	< 1	< 1	< 1	< 1
4/7/2014	< 1	25	19	14	19	< 1
4/7/2015	< 1	16	14	18	6.8	< 1
4/5/2016	< 1	9.6	8.9	6.3	4.4	< 1
4/18/2017	< 1	15	7.8	2.8	8.1	< 1

PIEZOMETER MW-14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

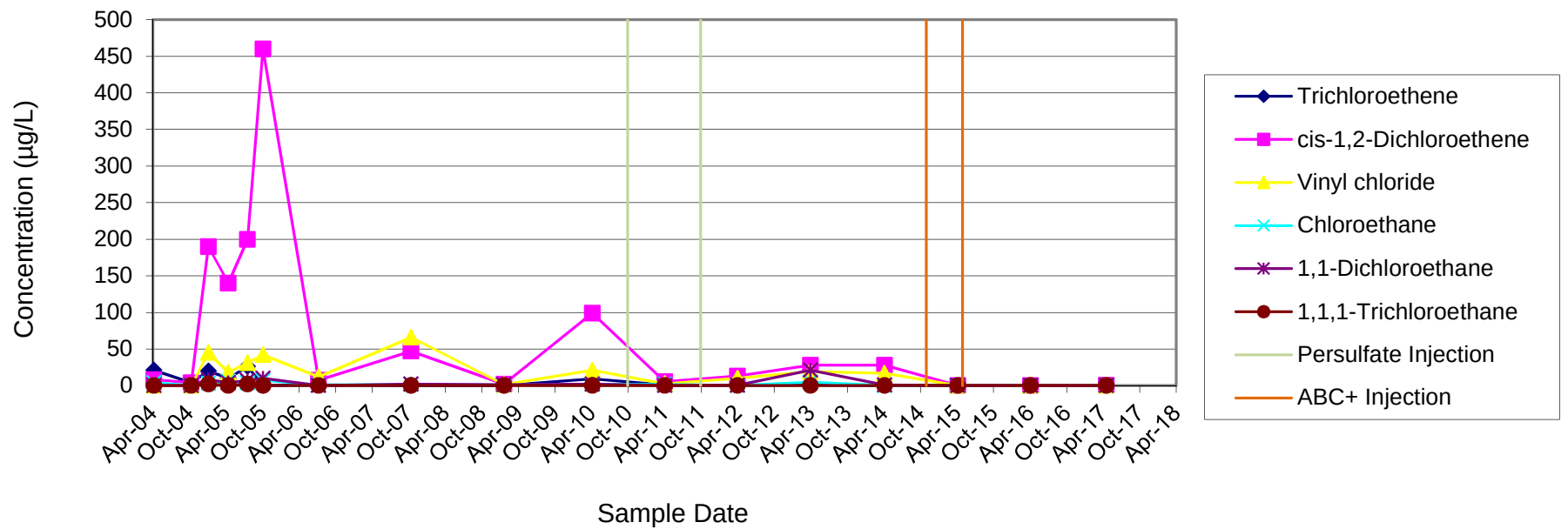


PIEZOMETER MW-14D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	21	8	< 10	4	< 10	< 10
10/12/2004	4	4	< 10	< 10	< 10	< 10
1/6/2005	20	190	45	3	8	2
4/15/2005	10	140	18	6	4	< 10
7/20/2005	26	200	31	4	7	2
10/5/2005	< 10	460	42	7.2	9.9	<10
7/10/2006	0.96	7.2	12	0.82	< 5	< 5
10/15/2007	< 5	47	66	1.8	2.2	< 5
1/21/2009	<5	2	1.4	0.91	1.3	<5
4/8/2010	9.4	99	21	1.5	2	<5
4/5/2011	0.97	5.6	2.6	1.5	<1	<1
4/2/2012	0.64	13	9.9	<1	0.44	<1
4/1/2013	0.99	28	19	4.6	21	<1
4/7/2014	<1	28	17	<1	0.82	<1
4/7/2015	<1	<1	<1	<1	<1	<1
4/5/2016	<1	<1	<1	<1	<1	<1
4/18/2017	<1	0.65	<1	<1	<1	<1

PIEZOMETER MW-14D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

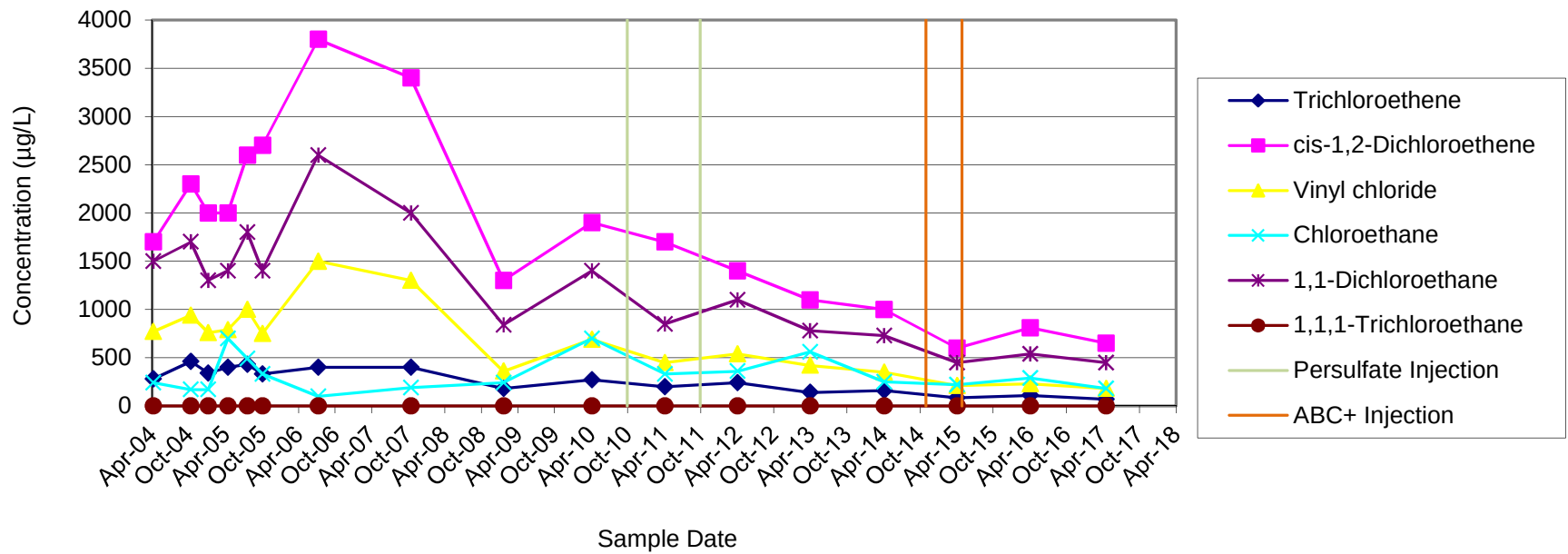


PIEZOMETER MW-15S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	280	1,700	770	240	1,500	< 250
10/12/2004	460	2,300	940	170	1,700	< 250
1/7/2005	340	2,000	760	170	1,300	< 250
4/15/2005	400	2,000	790	700	1,400	< 200
7/21/2005	430	2,600	1,000	490	1,800	< 120
10/5/2005	330	2,700	750	330	1,400	<100
7/10/2006	400	3,800	1,500	100	2,600	< 25
10/16/2007	400	3400	1300	190	2000	< 200
1/21/2009	180	1300	360	240	840	<5
4/8/2010	270	1900	690	700	1400	<10
4/7/2011	200	1700	450	330	850	<1
4/3/2012	240	1400	540	360	1100	<1
4/1/2013	140	1100	420	560	780	<20
4/7/2014	160	1000	350	250	730	<20
4/6/2015	85	600	210	220	450	<20
4/6/2016	110	810	230	290	540	<20
4/19/2017	70	650	180	180	450	<5

**PIEZOMETER MW-15S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**

Trend Plot

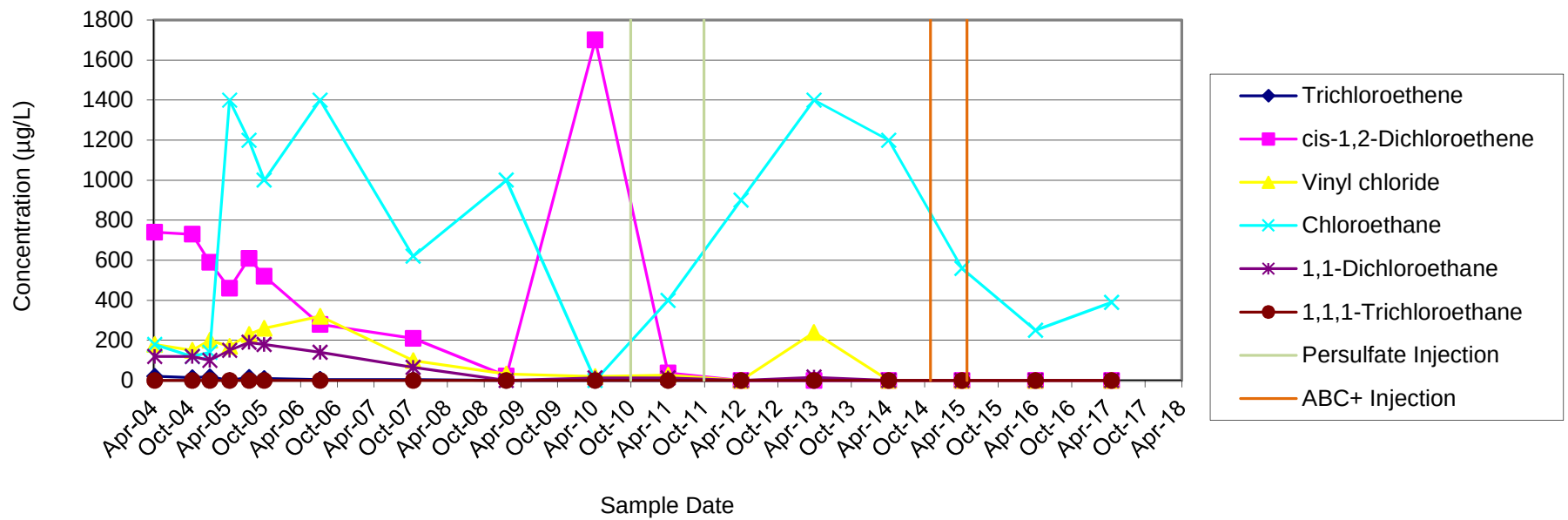


PIEZOMETER MW-15D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	21	740	180	180	120	< 10
10/12/2004	14	730	150	120	120	< 50
1/7/2005	18	590	200	140	100	< 50
4/15/2005	< 50	460	170	1,400	150	< 50
7/21/2005	15	610	230	1,200	190	< 25
10/5/2005	10	520	260	1,000	180	<50
7/10/2006	4.9	280	320	1,400	140	< 5
10/16/2007	3.6	210	99	620	66	< 5
1/21/2009	<25	22	32	1000	<25	<25
4/8/2010	<5	1700	19	<5	12	<5
4/5/2011	<8	38	26	400	13	<8
4/3/2012	<10	<10	<10	900	<10	<10
4/1/2013	<8	<8	240	1400	16	<8
4/7/2014	<20	<20	<20	1200	<20	<20
4/6/2015	<20	<20	<20	560	<20	<20
4/6/2016	<5	<5	<5	250	<5	<5
4/19/2017	<1	<1	<1	390	0.35	<1

PIEZOMETER MW-15D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

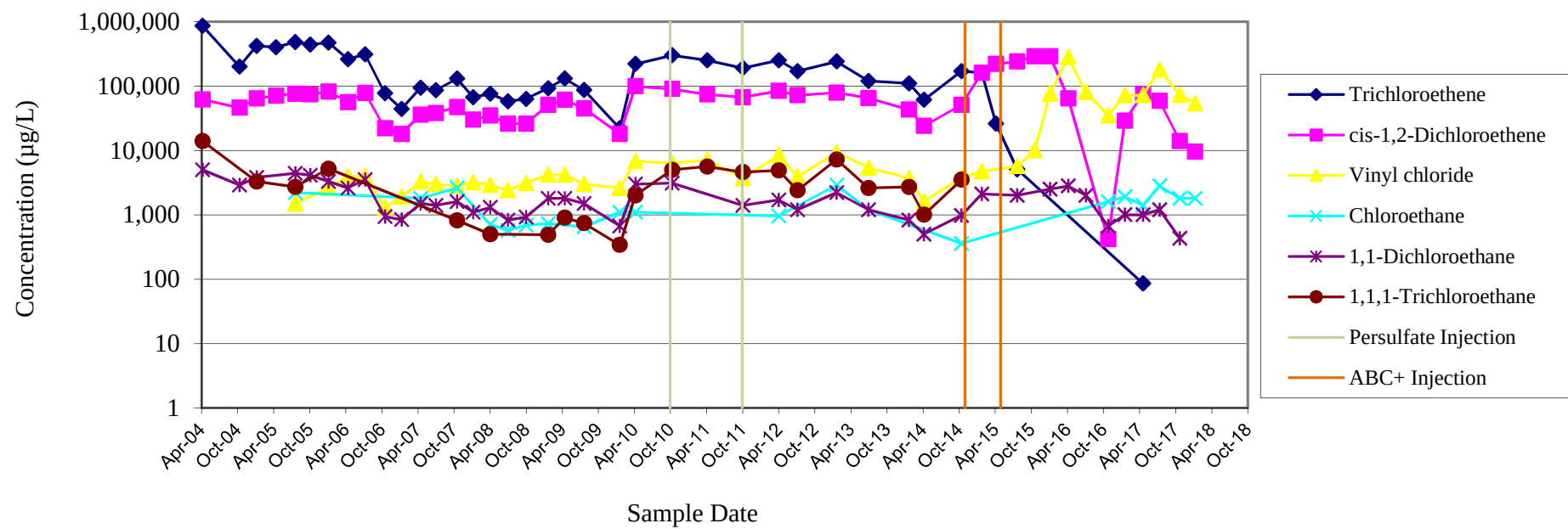


PIEZOMETER MW-16S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	860,000	62,000	< 20,000	< 20,000	5,000	14,000
10/12/2004	200,000	46,000	< 10,000	< 10,000	2,900	< 10,000
1/7/2005	420,000	64,000	< 10,000	< 10,000	3,800	3,300
4/15/2005	400,000	71,000	< 25,000	< 25,000	< 25,000	< 25,000
7/21/2005	480,000	76,000	1,500	2,200	4,400	2,700
10/5/2005	440,000	74,000	< 25,000	< 25,000	4,100	< 25,000
1/6/2006	470,000	82,000	2,600	< 20,000	3,300	5,200
4/14/2006	260,000	56,000	3,900	< 20,000	2,600	< 20,000
7/10/2006	310,000	78,000	4,000	< 20,000	3,500	< 20,000
10/19/2006	77,000	22,000	1,300	< 5,000	940	< 5,000
1/10/2007	44,000	18,000	1,900	< 2,500	840	< 2,500
4/17/2007	94,000	36,000	3,300	1,800	1,500	< 5,000
7/3/2007	86,000	38,000	3,000	< 5,000	1,400	< 5,000
10/18/2007	130000	47000	2800	2600	1600	820
1/8/2008	67000	30000	3200	< 5000	1100	< 5000
4/3/2008	76,000	35,000	2,900	710	1,300	500
7/2/2008	58,000	26,000	2,400	570	830	<5000
10/2/2008	63,000	26,000	3,100	690	920	<5000
1/22/2009	92,000	51,000	4,200	730	1,800	490
4/15/2009	130,000	61,000	4,200	<2000	1,800	900
7/22/2009	87,000	45,000	3,000	650	1,500	740
1/19/2010	22,000	18,000	2,600	1,100	670	340
4/8/2010	220,000	99,000	6,800	1,100	3,000	2,000
10/11/2010	300,000	90,000	6,300	<20,000	3,100	5,000
4/7/2011	250,000	74,000	7,100	<4,000	<4,000	5,600
10/4/2011	190,000	67,000	3,700	<800	1,400	4,600
4/3/2012	250,000	84,000	8,400	960	1,700	4,900
7/6/2012	170,000	72,000	3,900	<2000	1,200	2,400
1/21/2013	240,000	79,000	9,300	2,900	2,200	7,200
7/1/2013	120,000	65,000	5,400	1,200	1,200	2,600
1/22/2014	110,000	43,000	3,700	<2,000	830	2,700
4/7/2014	61,000	24,000	1,600	<1000	500	1,000
10/14/2014	170,000	51,000	3,800	360	980	3,500
1/26/2015	160,000	160,000	4,700	<4,000	2,100	<4,000
4/7/2015	26,000	220,000	<4,000	<4,000	<4,000	<4,000
7/24/2015	5,100	240,000	5,700	<4,000	2,000	<4,000
10/20/2015	<4,000	290,000	10,000	<4,000	<4,000	<4,000
1/6/2016	<4,000	290,000	76,000	<4,000	2,500	<4,000
4/7/2016	<4,000	64,000	280,000	<4,000	2,800	<4,000
7/5/2016	<2,000	<2,000	80,000	<2,000	2,000	<2,000
10/26/2016	<500	420	35,000	1,600	670	<500
1/19/2017	<500	29,000	72,000	1,900	1,000	<500
4/20/2017	86	75,000	72,000	1,400	1,000	<200
7/13/2017	<1,000	59,000	180,000	2,800	1,200	<200
10/24/2017	<500	14,000	73,000	1,800	430	<500
1/9/2018	<1000	9,600	54,000	1,800	<1000	<1000

MONITORING WELL MW-16S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot



PIEZOMETER MW-16D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	6,900	490	< 500	< 500	< 500	< 500
10/12/2004	12,000	1,000	< 500	< 500	91	< 500
1/6/2005	9	27	39	22	15	< 10
4/15/2005	32	36	17	100	10	< 10
7/21/2005	25	12	4	84	2	< 10
10/5/2005	1.3	16	10	41	5	<5
7/10/2006	6.1	27	21	1,000	9.7	< 5
10/18/2007	6	48	39	250	16	< 20
1/22/2009	52	92	39	90	21	1.9
4/8/2010	12	6.9	3.6	240	8.7	< 10
4/7/2011	22	59	33	59	27	1.2
4/3/2012	42	66	46	110	35	<1
4/1/2013	57	2900	1100	190	260	<1
4/7/2014	<25	1700	390	110	99	<25
4/7/2015	<25	650	380	170	94	<25
7/23/2015	<25	<25	41	340	56	<25
10/20/2015	<10	24	9.2	<10	15	<10
1/6/2016	<5	<5	9.2	140	2.9	<5
4/7/2016	<10	<10	50	370	<10	<10
7/5/2016	<10	<10	13	320	33	<10
10/26/2016	<10	31	13	310	16	<10
1/19/2017	<10	<10	23	290	<10	<10
4/20/2017	<1	24	27	350	37	<1
7/13/2017	<5	57	140	130	30	<5
10/24/2017	<1	9.6	24	98	6	<1
1/8/2018	<1	4.1	9	110	4.1	<1

PIEZOMETER MW-16D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

