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Mr. Glenn May
New York State Department of Environmental Conservation, Region 9
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**Subject: Fiscal Third Quarter 2018 Groundwater Monitoring Report (4/18/18 – 7/13/18)
July 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 Third 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 20, 2017 through April 18, 2018), dated May 31, 2018, 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 July 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 responsible for the remediation of the subject site during that contractual period. 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 has been, as of that correspondence, required for the site each calendar year, and is to include four quarters of groundwater sampling based on the current version of **Table 1**. **Table 1** is updated quarterly; the attached **Table 1** presents the groundwater monitoring schedule for the site from October 2018 through July 2019.

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. The twelfth year of combined DPE groundwater remediation system operation was summarized in a PRR (April 7, 2016 through April 20, 2017) and submitted to NYSDEC on May 30, 2017. During the past year, the thirteenth PRR (April 20, 2017 through April 18, 2018) was completed and submitted to NYSDEC on May 31, 2018. An IC/EC certification was included with each PRR with the exception of the four most recent PRRs; NYSDEC informed AECOM via email that an IC/EC certification form was not auto-generated by the NYSDEC and therefore each PRR was to be submitted without an IC/EC certification.

Quarterly Groundwater Monitoring Activities – July 2018

AECOM personnel collected quarterly groundwater samples on July 12-13, 2018, and vapor samples on July 12, 2018, in accordance with the procedures outlined in the NYSDEC-approved November 2003 RDWP and the August 2010 letter. July 2018 groundwater samples were collected from monitoring wells MW-2, MW-3, MW-4, MW-8R, MW-10, MW-11, MW-12, MW-13S, MW-13D, MW-16S, MW-16D, the GWCT, and the DPE wells (**Figure 2**). Note: MW-6 was damaged during snow removal activities prior to the January 2018 sampling activity and was not sampled. 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 July 12, 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-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 July 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 July 12, 2018 ranged from 686.82 feet above mean sea level (AMSL) at MW-15S to 667.51 feet AMSL at MW-8R. The average groundwater surface elevation across the site was 2.3 feet lower when compared to the prior round of groundwater elevation measurements collected in April 2018. The drop in groundwater elevations may be attributable to both seasonal fluctuations and the DPE well system scale abatement activity performed in April 2018. Based on the July 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 – July 2018

Tables 3, 4 and 5 summarize VOC data for groundwater samples collected in July 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 July 2018

VOCs Detected in Groundwater	Concentration Range (micrograms per liter)	Number of Detections	RAO/NYCRR Exceedances
Vinyl Chloride	1.6 – 91,000	8	7
1,1-Dichloroethane	0.68 – 880	7	4
cis-1,2-Dichloroethene	1.6 – 93,000	7	4
Chloroethane	1.2 – 47	4	3
Acetone	3.2 – 34	4	0
Toluene	16 – 33	2	2
2-Butanone	24 – 80	2	1
1,1-Dichloroethene	560	1	1
trans-1,2-Dichloroethene	18	1	1
Benzene	3.7	1	1
Carbon Disulfide	0.22	1	0

Eleven VOCs were detected in groundwater from monitoring wells and piezometers sampled above their associated detection limit during the monitoring period. Nine of the eleven 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 four and two of the 11 samples, respectively. The occurrences of constituents of potential concern were detected primarily in the vicinity of the former on-site source area, with VOC concentrations decreasing significantly in the vicinity of the perimeter monitoring wells.

An electronic copy of the analytical laboratory data package for the July 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) degradation products cis-1,2-dichloroethene (cis-1,2-DCE) and vinyl chloride (VC), and of 1,1,1-trichloroethane (1,1,1-TCA) degradation 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 degradation 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 chlorinated VOCs including 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 nine of the 11 monitoring wells and piezometers sampled in July 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 July 2018 groundwater data, there were no detections of TCE above the RAO at the wells monitored. It is important to note that the November 2014 injections were centered on MW-4 and MW-8R, while the April/May 2015 injections were in an expanded area that 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 – July 2018

AECOM personnel collected vapor effluent samples from the combined groundwater remediation system vapor discharge stacks on July 12, 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 – July 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**. Four VOCs were detected in the AS unit effluent and three VOCs were detected in the DPE vacuum pump effluent. The total VOCs discharged were 922 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 0.00021 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 May 17, 2018, AECOM and its subcontractor Matrix Environmental Technologies, Inc. replaced a damaged DPE bag filter vessel, repaired damaged effluent lines from DPE-7 and DPE-8, and restarted DPE-3.

Based on a system operational period from April 18, 2018 (Second Quarter groundwater sampling event) to July 13, 2018, the total combined DPE system runtime was approximately 95% percent (note the system was down for a couple of days to service the bag filter vessel). During this operational period, the estimated total volume of groundwater treated and discharged by the AS unit to the local sanitary sewer was 16,387 gallons, at an average flow rate of 0.13 gallons per minute.

Summary

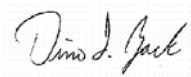
The DPE system and GWCT were fully operational during Third Quarter 2018 groundwater sampling and monitoring activities that occurred on July 12-13, 2018 (note vapor samples were collected on 7/12/18). TCE was not detected above its RAO in site perimeter monitoring wells MW-2, MW-3, MW-10, MW-11, and MW-12. Since 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 degradation products continue to decrease; between the April 2018 sampling event and the July 2018 sampling event, the concentrations of cis-1,2-DCE and VC continued to decrease.

Based on the results of the July 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 Third Quarter 2018 were far less than the NYSDEC discharge guidance value of 0.5 lb/hr.

The next monitoring event is planned for October 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

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AECOM Project 60538931 File (Electronic Copy)

Tables

Table 1

**Groundwater Monitoring Schedule - October 2018 through July 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			
October 2018 (Quarterly)	19	MW-2 MW-10 MW-13D DPE-2 DPE-7	MW-3 MW-11 MW-16S DPE-3 DPE-8	MW-4 MW-12 MW-16D DPE-4 GWCT	MW-8R MW-13S DPE-1 DPE-5
January 2019 (Quarterly)	19	MW-2 MW-10 MW-13D DPE-2 DPE-7	MW-3 MW-11 MW-16S DPE-3 DPE-8	MW-4 MW-12 MW-16D DPE-4 GWCT	MW-8R MW-13S DPE-1 DPE-5
April 2019 (Annual)	24	MW-2 MW-9 MW-13S MW-15S DPE-1 DPE-5	MW-3 MW-10 MW-13D MW-15D DPE-2 DPE-7	MW-4 MW-11 MW-14S MW-16S DPE-3 DPE-8	MW-8R MW-12 MW-14D MW-16D DPE-4 GWCT
July 2019 (Quarterly)	19	MW-2 MW-10 MW-13D DPE-2 DPE-7	MW-3 MW-11 MW-16S DPE-3 DPE-8	MW-4 MW-12 MW-16D DPE-4 GWCT	MW-8R MW-13S DPE-1 DPE-5

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 - July 12, 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	6.71	680.29
MW-3	687.05	10.98	676.07
MW-4	686.50	11.57	674.93
MW-6	686.46	NA	NA
MW-8R	686.29	18.78	667.51
MW-9	689.57	14.49	675.08
MW-10	687.70	8.40	679.30
MW-11	688.61	13.21	675.40
MW-12	686.19	6.74	679.45
Nested Piezometers			
MW-13S	686.65	7.02	679.63
MW-13D	686.78	10.91	675.87
MW-14S	685.74	7.25	678.49
MW-14D	685.88	16.90	668.98
MW-15S	687.17	0.35	686.82
MW-15D	687.87	14.19	673.68
MW-16S	688.15	8.99	679.16
MW-16D	688.16	14.20	673.96
Remedial System			
GWCT Manhole (rim)	687.22	21.30	665.92
DPE Wells			
DPE-1	687.17	14.50	672.67
DPE-2	685.32	15.94	669.38
DPE-3	685.98	3.58	682.40
DPE-4	686.00	10.65	675.35
DPE-5	686.00	11.71	674.29
DPE-6	687.53	1.53	686.00
DPE-7	685.92	10.34	675.58
DPE-8	686.03	4.24	681.79

Notes:

TOC - Top of Casing

AMSL - Above Mean Sea Level

NA - Not Available (MW-6 was previously destroyed during snow removal activities)

GWCT - Groundwater Collection Trench

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

Locations re-surveyed on February 23, 2016

Table 3

**Summary of July 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-8R	MW-10	MW-11
Date Collected	RAO/NYCRR	07/13/18	07/13/18	07/13/18	07/13/18	07/13/18	07/12/18
Lab Sample ID	Objective	480-138931-1	480-138931-2	480-138931-3	480-138931-10	480-138931-5	480-138931-12
Volatile Organic Compounds by Method 8260 (µg/L)							
1,1-Dichloroethane	5*	< 1.0 U	11	2.5 J	9.8 J	< 1.0 U	0.68 J
1,1-Dichloroethene	5	< 1.0 U	< 1.0 U	< 5.0 U	< 10 U	< 1.0 U	< 1.0 U
2-Butanone (MEK)	50	< 10 U	< 10 U	80	24	< 10 U	< 10 U
Acetone	50	< 10 U	< 10 U	18 J	34	< 10 U	3.2 J
Benzene	1	< 1.0 U	< 1.0 U	3.7 J	< 10 U	< 1.0 U	< 1.0 U
Carbon Disulfide	60	< 1.0 U	< 1.0 U	< 5.0 U	< 10 U	< 1.0 U	< 1.0 U
Chloroethane	5*	1.2	< 1.0 U	< 5.0 U	47	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene	5*	< 1.0 U	2.2	490	30	< 1.0 U	1.6
Toluene	5*	< 1.0 U	< 1.0 U	16	33	< 1.0 U	< 1.0 U
Trichloroethene	5*	< 1.0 U	< 1.0 U	< 5.0 U	< 10 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	5	< 1.0 U	< 1.0 U	18	< 10 U	< 1.0 U	< 1.0 U
Vinyl chloride	5*	< 1.0 U	28	37	190	< 1.0 U	1.6
Total Volatile Organic Compounds	NL	1.2	41	658	368	0.0	7.1

Table 3

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

Sample ID	Groundwater	MW-12	MW-13S	MW-13D	MW-16S	MW-16D
Date Collected	RAO/NYCRR	07/13/18	07/13/18	07/13/18	07/13/18	01/08/18
Lab Sample ID	Objective	480-138931-7	480-138931-6	480-138931-12	480-138931-8	480-129995-10
Volatile Organic Compounds by Method 8260 (µg/L)						
1,1-Dichloroethane	5*	< 5.0 U	15 J	< 1.0 U	880 J	2.0
1,1-Dichloroethene	5	< 1.0 U	< 40 U	< 1.0 U	560 J	< 1.0 U
2-Butanone (MEK)	50	< 50 U	< 400 U	< 5.0 U	< 10,000 U	< 5.0 U
Acetone	50	< 50 U	< 400 U	4.4 J	< 10,000 U	< 5.0 U
Benzene	1	< 5.0 U	< 40 U	< 1.0 U	< 1,000 U	< 1.0 U
Carbon Disulfide	60	< 5.0 U	< 40 U	< 1.0 U	< 1,000 U	0.22 J
Chloroethane	5*	9.1	< 40 U	5.5	< 1,000 U	< 1.0 U
cis-1,2-Dichloroethene	5*	< 5.0 U	1,500	< 1.0 U	93,000	3.3
Toluene	5*	< 5.0 U	< 40 U	< 1.0 U	< 1,000 U	< 1.0 U
Trichloroethene	5*	< 5.0 U	< 40 U	< 1.0 U	< 1,000 U	< 1.0 U
trans-1,2-Dichloroethene	5	< 5.0 U	< 40 U	< 1.0 U	< 1,000 U	< 1.0 U
Vinyl chloride	5*	6.1	880	< 1.0 U	91,000	22
Total Volatile Organic Compounds	NL	15.2	2,395	9.9	185,440	24

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)

Site-specific RAO Trichloroethene, Xylene, Ethylbenzene, and 1,1,1-Trichloroethane were not detected above the reporting limit.

J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit. Concentrations within this range are estimated.

U - Not detected at or above reporting limit.

NL - Not listed

MW-6 was not sampled as the well was previously destroyed during snow removal activities.

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	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	04/13/18	07/12/18
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	480-134234-1	480-138781-6
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	10 U	10 U
1,1-Dichloroethane	5*	69	130	10 U	21	20	5.0 U	2.8	2.4	67	5.8 J	10 U
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	10 U	10 U
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	10 U	10 U
2-Butanone (MEK)	50	140	200 U	100 U	24 J	200 U	50 U	10	33 J	58	50 J	50 U
2-Hexanone	50	50 U	100 U	50 U	25 U	100 U	25 U	5.0 U	5.0 U	2.6 J	50 U	50 U
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	50 U	50 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	10 U	10 U
Acetone	50	310	200 U	100 U	64	65 J	50 U	36	84	160	210	59 J
Benzene	1	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	1.0 U	1.6	10 U	10 U
Carbon Disulfide	60	10 U	20 U	10 U	5.0 U	20 U	5.0 U	1.0 U	5.7	1.0	10 U	10 U
Chloroethane	5*	15	20 U	10 U	9.2	15 J	24	4.1	7.6	20	5.7 J	10 U
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	10 U	10 U
cis-1,2-Dichloroethene	5*	71	130	10 U	25	16 J	12	2.4	5.3	58	10 U	10 U
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	10 U	10 U
Toluene	5*	18	29	10 U	5.7	20 U	3.8 J	0.74 J	3.6	14	10 U	10 U
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	10 U	10 U
Trichloroethene	5*	23	18 J	10 U	4.7 J	20 U	1.3 J	1.0 U	1.0 U	10	10 U	10 U
Vinyl chloride	5*	15	31	10 U	6.8	20 U	5.0 U	5.0 U	1.1	15	10 U	10 U
Xylenes, Total	5	20 U	40 U	20 U	10 U	40 U	10 U	2.0 U	2.0 U	6.9	10 U	10 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-2	DPE-2	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	04/13/18	07/12/18
Lab Sample ID	Objective	480-58303-6	480-97989-11	480-102662-8	480-112334-11	480-116720-18	480-121042-16	480-126420-7	480-129995-15	480-134234-2	480-138781-7
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	1.0 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	1.0 U	0.49 J
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	1.0 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	1.0 U	1.0 U
2-Butanone (MEK)	50	5.0 U	5.0 U	5.0 U	3.2 J	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	50	25 U	25 U	25 U	5.0 U	25 U	5.0 U	5.0 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	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	1.0 U	1.0 U
Acetone	50	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	6.0 J	3.4 J	1.0 U	1.0 U	1.0 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	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	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	1.0 U	2.7
Chloromethane	5	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	1.7	3.2 J	11	1.0 U	1.0 U
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	1.0 U	1.1
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	1.0 U	1.0 U
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	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	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	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	1.0 U	9.9
Xylenes, Total	5*	5.0 U	5.0 U	1.0 U	2.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3
Date Collected	RAO/ NYCRR	04/17/14	07/24/15	10/21/15	04/06/16	07/07/16	10/27/16	01/16/17	04/18/17	07/11/17	10/24/17	01/10/18	04/13/18	07/12/18
Lab Sample ID	Objective	480-58303-2	480-84562-16	480-89674-15	480-97989-12	480-102824-3	480-108538-4	480-112334-12	480-116720-19	480-121042-19	480-126420-15	NS	480-134234-2	480-138781-8
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	25 U	10 U
1,1-Dichloroethane	5*	42	24	20 U	5.0 U	10 U	5.0 U	20 U	14	92	34	NS	25 U	15
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	25 U	3.5 J
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	25 U	10 U
2-Butanone (MEK)	50	100 U	610	220	50 U	100 U	50 U	200 U	10	200 U	1,000 U	NS	250 U	100 U
2-Hexanone	50	50 U	50 U	100 U	25 U	50 U	25 U	100 U	5 U	100 U	100 U	NS	125 U	50 U
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	125 U	50 U
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	25 U	10 U
Acetone	50	50 U	110	110 J	50 U	100 U	50 U	200 U	28	200 U	500 U	NS	250 U	100 U
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	25 U	10 U
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	25 U	10 U
Chloroethane	5*	10 U	23	20 U	5.0 U	10 U	5.0 U	20 U	5.5	20 U	14 J	NS	25 U	10 U
Chloromethane	5	10 U	10 U	20 U	5.0 U	10 U	6	20 U	1.0 U	20 U	20 U	NS	25 U	10 U
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	78	740
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	25 U	10 U
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	25 U	10 U
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	25 U	10 U
Trichloroethene	5*	6,500	10 U	20 U	5.0 U	10 U	3.1 J	20 U	190	69	430	NS	25 U	31
Vinyl chloride	5*	120	240	20 U	12	43	10	45	480	10,000	430	NS	35	360
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	50 U	50 U

Notes:

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Table 4

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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	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	04/13/18	07/12/18
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	480-134234-4	480-138781-9
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	10 U	10 U
1,1-Dichloroethane	5*	8.1	130	450	400 U	2.5	100 U	20	NS	22 J	50 U	10 U	8.4 J
1,1-Dichloroethene	5	10 U	30	460	400 U	1.0 U	100 U	17 J	NS	34 J	50 U	10 U	7.0 J
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	10 U	10 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	100 U	100 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	50 U	50 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	50 U	50 U
Ethylbenzene	5	10 U	10 U	100 U	400 U	1.0 U	100 U	20 U	NS	50 U	50 U	10 U	10 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	100 U	100 U
Benzene	1	10 U	10 U	100 U	400 U	1.0 U	100 U	20 U	NS	50 U	50 U	10 U	10 U
Carbon Disulfide	60	10 U	3.4 J	100 U	400 U	2.1	100 U	20 U	NS	50 U	50 U	10 U	10 U
Chloroethane	5*	10 U	49	110	400 U	4.6	100 U	8 J	NS	50 U	50 U	10 U	10 U
Chloromethane	5	10 U	10 U	230	400 U	1.0 U	100 U	20 U	NS	50 U	50 U	10 U	10 U
cis-1,2-Dichloroethene	5*	510	30,000	130,000	25,000	130	4,300	4,400	NS	6,000	2,100	320	2,600
Methylene Chloride	5	10 U	8.1 J	100 U	260 J	5.7 J	81 J	20 U	NS	250 U	320	10 U	10 U
Toluene	5*	10 U	28	140	400 U	1.0 U	100 U	7 J	NS	50 U	50 U	10 U	10 U
trans-1,2-Dichloroethene	5	10 U	36	100 U	400 U	1.0 U	100 U	76	NS	50 U	50 U	10 U	10 U
Trichloroethene	5*	630	93	120	400	1.4	100 U	120	NS	13 J	47 J	10 U	34
Vinyl chloride	5*	31	4,700	37,000	12,000	44	1,100	1,400	NS	3,700	430	62	810
Xylenes, Total	5	50 U	50 U	500 U	200 U	5 U	500 U	100 U	NS	150 U	100 U	20 U	20 U

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Table 4

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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	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	04/13/18	07/12/18
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	480-134234-5	480-138781-10
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	40 U	50 U
1,1-Dichloroethane	5*	160	30	59	17	110	150	44	45	100	66	140	87
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	15 J	50 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	40 U	50 U
2-Butanone (MEK)	50	26 J	330	660	78 J	100 U	500 U	200 U	80 U	240	21 J	400 U	500 U
2-Hexanone	50	50 U	50 U	50 U	50 U	50 U	50 U	100 U	40 U	5.0 U	50 U	200 U	250 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	200 U	250 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	40 U	50 U
Acetone	50	120	240	340	120	180	160 J	200 U	200	25 U	90 J	120 J	500 U
Benzene	1	10 U	10 U	10 U	10 U	10 U	50 U	20 U	8.0 U	0.52 J	10 J	40 J	50 U
Carbon Disulfide	60	10 U	10 U	10 U	10 U	10 U	50 U	20 U	12	3.0	3.1 J	40 J	50 U
Chloroethane	5*	46	51	81	87	120	130	38	60	84	80	150	100
Chloromethane	5	10 U	10 U	10 U	10 U	10 U	10 U	20 U	8.0 U	1.0 U	10 U	40 U	50 U
cis-1,2-Dichloroethene	5*	320	410	610	120	2,800	33,000	2,000	290	1,400	480	3,500	2,100
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	40 U	50 U
Toluene	5*	30	11	9.2	10 U	12	37 J	7.8 J	8.0 U	5.7	9.6 J	20 J	50 U
trans-1,2-Dichloroethene	5	10 U	11	20	10 U	10 U	10 U	24	8.0 U	22	10	40 U	50 U
Trichloroethene	5*	160	10 U	10 U	10 U	14	250	5.5 J	8.0 U	1.0 U	6.7 J	40 U	50 U
Vinyl chloride	5*	71	180	170	71	1,600	6,400	570	190	1,600	250	2,200	1,700
Xylenes, Total	5	50 U	50 U	50 U	50 U	50 U	50 U	100 U	40 U	2.3 J	20 U	80 U	80 U

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Former Scott Aviation Facility - West of Plant 2
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID	Groundwater	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7
Date Collected	RAO/ NYCRR	04/17/14	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	04/13/18	07/12/18
Lab Sample ID	Objective	480-58303-5	480-84562-19	480-89674-18	480-102824-4	480-108538-7	480-112334-15	480-116720-23	480-121042-22	480-126420-5	480-129995-18	480-134234-6	480-138781-11
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	20 U	10 U
1,1-Dichloroethane	5*	460	250	390	63	20 U	91	120	45	67	10 U	65	28
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	20 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	20 U	10 U
2-Butanone (MEK)	50	50 U	150 J	940	530	210	270	280	120 J	67	100 U	130 J	50 J
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	100 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	100 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	20 U	10 U
Acetone	50	50 U	1,100	530	230	130 J	140 J	150	130 J	30	100 U	81 J	37 J
Benzene	1	10 U	20 U	20 U	20 U	20 U	20 U	1.0	20 U	0.66 J	10 U	20 U	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	20 U	10 U
Chloroethane	5*	11	27	260	260	110	530	360	450	340	340	390	320
Chloromethane	5	10 U	20 U	20 U	20 U	20 U	20 U	1.0 U	20 U	1.0 U	10 U	20 U	10 U
cis-1,2-Dichloroethene	5*	11,000	820	680	26	27	20 U	67	20 U	1.3	10	20 U	10 U
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	25	10 U
Toluene	5*	10 U	20 U	20 U	20 U	20 U	20 U	5.8	20 U	2.0	10 U	20 U	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	20 U	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	20 U	10 U
Vinyl chloride	5*	580	470	780	300	20 U	50	270	110	25	10 U	59	130
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	40 U	20 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.

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-8	DPE-8	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	04/13/18	07/12/18
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	480-134234-7	480-138781-3
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	75	30
1,1-Dichloroethane	5*	140	590	58	22	130	50 U	310	4.4	50	71	28
1,1-Dichloroethene	5	50 U	20	5.0 U	4.0 J	27 J	50 U	100 U	1.6	8.2 J	6.5 J	20 U
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 U	20 U	20 U
2-Butanone (MEK)	50	540	260	50 U	50 U	400 U	500 U	1,000 U	50 U	200 U	200 U	200 U
2-Hexanone	50	250 U	100 U	25 U	25 U	200 U	250 U	500 U	5 U	100 U	100 U	100 U
4-Methyl-2-pentanone (MIBK)	NL	250 U	100 U	25 U	25 U	200 U	250 U	500 U	5 U	100 U	100 U	100 U
Ethylbenzene	5	50 U	20 U	5.0 U	5.0 U	40 U	50 U	100 U	1.0 U	20 U	20 U	20 U
Acetone	50	890	220	50 U	50 U	400 U	500 U	1,000 U	25 U	200 U	200 U	200 U
Benzene	1	50 U	20 U	5.0 U	5.0 U	40 U	50 U	100 U	1.0 U	20 U	20 U	20 U
Carbon Disulfide	60	50 U	11	5.0 U	5.0 U	40 U	50 U	51 J	1.0 U	20 U	20 U	20 U
Chloroethane	5*	50 U	54	44	12	40 U	50 U	100 U	1.8	22	30	20 U
Chloromethane	5	50 U	20 U	5.0 U	5.0 U	40 U	50 U	100 U	1.0 U	20 U	20 U	20 U
cis-1,2-Dichloroethene	5*	1,500	2,300	5.0 U	850	4,100	4,800	8,500	110	540	1,600	1,000
Methylene Chloride	5	23 J	20 U	5.0 U	5.0 U	40 U	50 U	100 U	5.0 U	20 U	20 U	20 U
Toluene	5*	50 U	20 U	5.0 U	5.0 U	40 U	50 U	100 U	1.0 U	20 U	20 U	20 U
trans-1,2-Dichloroethene	5	50 U	55	8.1	5.0 U	40 U	57	100 U	0.99	20 U	20 U	20 U
Trichloroethene	5*	230	92	5.4	8.4	98	36 J	100 U	6.6	11 J	65 J	40
Vinyl chloride	5*	1,400	1,700	110	140	920	480	2,300	1.0 U	410	480	120
Xylenes, Total	5	250 U	100 U	25 U	25 U	200 U	250 U	500 U	5.0 U	40 U	40 U	40 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.

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 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
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
2-Butanone (MEK)	50	2.4 J	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U
Acetone	50	7.0 J	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	5*	< 1.0 U	< 1.0 U	62	44	70	34	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
Ethylbenzene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 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
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
Xylenes, Total	5*	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Total Volatile Organic Compounds	NA	12.8	0.7	63	44	70	34	45

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 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	GWCT Manhole 04/13/18 480-134234-8	GWCT Manhole 07/12/18 480-138781-4
Volatile Organic Compounds by Method 8260 (µg/L)							
1,1-Dichloroethane	5*	0.74 J	< 1.0 U	< 1.0 U	< 1.0 U	0.52 J	< 1.0 U
2-Butanone (MEK)	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Acetone	50	< 10 U	< 10 U	< 10 U	< 10 U	10 J	< 10 U
Chloroethane	5*	26	65	45	64	53	49
cis-1,2-Dichloroethene	5*	0.74 J	< 1.0 U	< 1.0 U	5.1	< 1.0 U	< 1.0 U
Ethylbenzene	5	< 1.0 U	< 1.0 U	0.19 J	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	5*	< 1.0 U	< 1.0 U	0.25 J	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	5	< 1.0 U	< 1.0 U	0.34 J	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes, Total	5*	< 2.0 U	< 2.0 U	0.67 J	< 2.0 U	< 2.0 U	< 2.0 U
Total Volatile Organic Compounds	NA	27	65	45	69	64	49

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 - July 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	Apr 2018	Jul 2018	TCE Reduction - Previous Sampling	TCE Reduction - Baseline Sampling
MW-2	<1	<5	<1	<1	<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	<1	<1	ND	ND
MW-4	18,000	110	<100	<100	<100	<100	<20	<20	<20	<5	<20	<20	<5	<20	<5	ND	>99%
MW-6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NS	NS	NA	NA
MW-8R	2,100	<2,000	200	<25	<1,000	<1,000	24	<100	<100	14	<400	7.7	NS	13	<10	ND	>99%
MW-10	<1	<1	<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	<2	<1	ND	ND
MW-12	NS	<1	<1	<1	<1	<5	<5	<1	<4	<1	<1	<1	<1	<4	<5	ND	ND
MW-13S	19,000	31,000	<500	<10	41	<100	<4	<2	2.1	0.26	<2	<5	<40	<40	<40	ND	>99%
MW-16S	160,000	26,000	5,100	<4,000	<4,000	<4,000	<2,000	<500	<500	86	<1,000	<500	<1,000	<1,000	<1,000	ND	>99%

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

	LRP Effluent 3Q18 7/12/2018	AS Effluent 3Q18 7/12/2018
<u>VOCs by Method TO-15 (µg/m³)</u>		
1,2-Dichloroethene, Total	590	U
1,3-Dichlorobenzene	U	14
Chloroethane	U	57
Toluene	U	10
Trichlorofluoromethane	U	11
Vinyl chloride	240	U
Total Detected VOCs (µg/m ³)	830	92
Vacuum (inches Hg)	23	5.5
Air Flow Rate (acfm)	47	190
VOC discharge loading (lb/hr)	0.00015	0.00007
Total VOC discharge loading (lb/hr)	0.00021	
Notes: 1. µg/m ³ = 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).		



APPENDIX A

Field Forms



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) 7/13/2018
Field Personnel ELA
Site Name Former Scott Aviation Site - Lancaster, NY
Job # 60538931
Well ID # MW-2
 Upgradient Downgradient
Weather Conditions Partly Cloudy
Air Temperature 75 ° F
Total Depth (TWD) Below Top of Casing = 16.4 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 8.6 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 7.8 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 1.3 gal
3 Casing Volumes = 3.8 gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 2.3 gal

Casing Diameter 2 inches
Casing Material PVC
Measuring Point Elevation 690.35 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)
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)

300	300	200	200	200	200	200	200
8:05	8:10	8:15	8:20	8:25	8:30	8:35	8:40
9.30	10.20	10.47	10.90	11.20	11.60	11.9	12.2
-0.70	-0.90	-0.27	-0.43	-0.30	-0.40	-0.30	-0.30
6.97	6.93	6.94	6.95	6.98	6.96	6.88	6.82
0.948	0.936	0.881	0.843	0.799	0.750	0.755	0.786
14.8	4.82	3.12	7.42	11.56	9.18	6.00	4.1
2.17	0.53	0.4	0.95	0.48	0.37	0.38	0.36
15.59	14.79	15.37	15.67	15.82	16.12	16.33	16.47
-100.5	-88.4	-80.4	-77.7	-68.1	-62.4	-52.8	-52.8

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 8:45 hrs.



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) <u>7/13/2018</u>		Casing Diameter <u>2</u> inches
Field Personnel <u>ELA</u>		Casing Material <u>PVC</u>
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>687.05</u> 1/100 ft
Job # <u>60538931</u>		Height of Riser (above land surface) <u>1.15</u> 1/100 ft
Well ID # <u>MW-3</u>		Land Surface Elevation <u>685.9</u> 1/100 ft
☐ Upgradient ☐ Downgradient		Screened Interval (below land surface) <u>7.5 - 27.5</u> 1/100 ft
Weather Conditions <u>Partly Cloudy</u>		
Air Temperature <u>75</u> ° F		
Total Depth (TWD) Below Top of Casing = <u>28</u> 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing = <u>11.2</u> 1/100 ft		
Length of Water Column (LWC) = TWD - DGW = <u>16.8</u> 1/100 ft		
1 Casing Volume (OCV) = LWC x <u>0.163</u> = <u>2.7</u> gal		
3 Casing Volumes = <u>9.0</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>1.1</u> gal		

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

FIELD ANALYSES

	175	175	175	175	175		
Flow Rate (ml/min)	8:50	8:55	9:00	9:05	9:10		
Time (Military)							
Depth to Groundwater Below Top of Casing (ft)	11.78	12.40	13.00	13.30	13.55		
Drawdown (ft)	-0.58	-0.62	-0.60	-0.30	-0.25		
pH (S.U.)	7.35	7.34	7.33	7.33	7.31		
Sp. Cond. (mS/cm)	1.151	1.148	1.151	1.156	1.156		
Turbidity (NTUs)	32.80	9.14	3.63	1.02	1.01		
Dissolved Oxygen (mg/L)	2.70	0.88	0.48	0.46	0.41		
Water Temperature (°C)	13.91	13.15	13.06	12.77	12.75		
ORP (mV)	-54.6	-65.8	-65.4	-64.1	-64.6		

Physical appearance at start	Color <u>clear w/ little iron</u> bacteria	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 Sample time at 9:15 hrs.



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) 7/13/2018
Field Personnel ELA
Site Name Former Scott Aviation Site - Lancaster, NY
Job # 60538931
Well ID # MW-4
 Upgradient Downgradient
Weather Conditions Sunny
Air Temperature 85 ° F
Total Depth (TWD) Below Top of Casing = 26 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 12.63 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 13.37 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = 2.18 gal
3 Casing Volumes = 6.5 gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 2.0 gal

Casing Diameter 2 inches
Casing Material PVC
Measuring Point Elevation 686.5 1/100 ft
Height of Riser (above land surface) -0.39 1/100 ft
Land Surface Elevation 686.89 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)
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)

225	225	225	225	225	225	225	
12:35	12:40	12:45	12:50	12:55	13:00	13:05	
13.91	15.39	17.60	17.60*	17.60*	18.8	19.2	
-1.28	-1.48	-2.21	0.00	0.00	-1.20	-0.40	
7.6	7.56	7.59	7.59	7.6	7.61	7.61	
3.649	3.653	3.636	3.642	3.657	3.647	3.641	
12.44	5.32	4.93	4.46	4.59	5.91	4.95	
0.51	0.42	0.18	0.19	0.14	0.08	0.08	
14.05	13.98	15.59	14.75	14.85	15.09	15.08	
-123.3	-126	-122.6	-122.6	-125.9	-135.9	-136.9	

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 13:05 hrs. Duplicate sample collected (recorded sample collection at 12:30 hrs).

*water level may be off.



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) <u>7/13/2018</u>		Casing Diameter <u>4</u> inches
Field Personnel <u>ELA</u>		Casing Material <u>PVC</u>
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>686.29</u> 1/100 ft
Job # <u>60538931</u>		Height of Riser (above land surface) <u>-0.29</u> 1/100 ft
Well ID # <u>MW-8R</u>		Land Surface Elevation <u>686.58</u> 1/100 ft
☐ Upgradient ☐ Downgradient		Screened Interval (below land surface) <u>14 - 24</u> 1/100 ft
Weather Conditions <u>Sunny</u>		
Air Temperature <u>85</u> ° F		
Total Depth (TWD) Below Top of Casing = <u>27.5</u> 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing = <u>12.68</u> 1/100 ft		
Length of Water Column (LWC) = TWD - DGW = <u>14.82</u> 1/100 ft		
1 Casing Volume (OCV) = LWC x <u>0.163</u> = <u>2.4</u> gal		
3 Casing Volumes = <u>7.2</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>3.2</u> gal		

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

FIELD ANALYSES

	225	225	225	225	225	225	225
Flow Rate (ml/min)	13:23	13:28	13:33	13:38	13:43	13:48	13:58
Time (Military)	13.25	14.05	14.93	16.05	16.21	16.05	16.15
Depth to Groundwater Below Top of Casing (ft)	-0.57	-0.80	-0.88	-1.12	-0.16	0.16	0.04
Drawdown (ft)	7.85	7.81	7.77	8	7.94	7.83	7.75
pH (S.U.)	1.892	1.852	1.844	1.782	1.724	1.67	1.657
Sp. Cond. (S/cm)	37.6	15.1	11.6	13.8	19.4	20.6	22.9
Turbidity (NTUs)	0.93	0.21	0.26	0.21	0.18	0.31	0.32
Dissolved Oxygen (g/L)	15.73	15.02	14.8	14.94	15.23	15.52	16.01
Water Temperature (°C)	-188.5	-189	-158.1	-170.2	-193.6	-166.2	-169.7
ORP (mV)							
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 Sample time at 14:15 hrs.



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) <u>7/13/2018</u>		Casing Diameter <u>4</u> inches
Field Personnel <u>ELA</u>		Casing Material <u>PVC</u>
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>686.29</u> 1/100 ft
Job # <u>60538931</u>		Height of Riser (above land surface) <u>-0.29</u> 1/100 ft
Well ID # <u>MW-8R</u>		Land Surface Elevation <u>686.58</u> 1/100 ft
<u> </u> Upgradient <u> </u> Downgradient		Screened Interval (below land surface) <u>14 - 24</u> 1/100 ft
Weather Conditions <u>Sunny</u>		
Air Temperature <u>85</u> ° F		
Total Depth (TWD) Below Top of Casing = <u>27.5</u> 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing = <u>12.68</u> 1/100 ft		
Length of Water Column (LWC) = TWD - DGW = <u>14.82</u> 1/100 ft		
1 Casing Volume (OCV) = LWC x <u>0.163</u> = <u>2.4</u> gal		
3 Casing Volumes = <u>7.2</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>3.2</u> gal		

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

FIELD ANALYSES

	225	225	225				
Flow Rate (ml/min)	225	225	225				
Time (Military)	14:03	14:08	14:13				
Depth to Groundwater Below Top of Casing (ft)	16.15	16.15	16.25				
Drawdown (ft)	0.00	0.00	-0.10				
pH (S.U.)	7.75	7.77	7.79				
Sp. Cond. (S/cm)	1.763	1.795	1.834				
Turbidity (NTUs)	22.9	20.8	17.7				
Dissolved Oxygen (g/L)	0.26	0.27	0.16				
Water Temperature (°C)	16.1	16.44	16.63				
ORP (mV)	-190.7	-204.8	-209.9				

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 Sample time at 14:15 hrs.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) _____	7/13/2018	Casing Diameter _____	2	inches
Field Personnel _____	ELA	Casing Material _____	PVC	
Site Name _____	Former Scott Aviation Site - Lancaster, NY	Measuring Point Elevation _____	687.7	1/100 ft
Job # _____	60538931	Height of Riser (above land surface) _____	-0.08	1/100 ft
Well ID # _____	MW-10	Land Surface Elevation _____	687.78	1/100 ft
_____ Upgradient _____ Downgradient		Screened Interval (below land surface) _____	3.5 - 23.5	1/100 ft
Weather Conditions _____	Sunny			
Air Temperature _____	80	° F		
Total Depth (TWD) Below Top of Casing = _____	24.0	1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing = _____	8.56	1/100 ft		
Length of Water Column (LWC) = TWD - DGW = _____	15.44	1/100 ft		
1 Casing Volume (OCV) = LWC x _____	0.163	= _____ 2.5 gal		
3 Casing Volumes = _____	7.6	gal		
Method of Well Evacuation _____	Peristaltic Pump			
Method of Sample Collection _____	Peristaltic Pump/Poly Tubing			
Total Volume of Water Removed _____	2.0	gal		

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	
VOA 40 mL glass	TCL VOCs (8260C)	3	HCL, 4°C	Dup at 08:00hr

FIELD ANALYSES							
Flow Rate (ml/min)	225	225	225	225	225	225	
Time (Military)	10:05	10:10	10:15	10:20	10:25	10:30	
Depth to Groundwater Below Top of Casing (ft)	9.30	9.8	10.15	10.5	10.85	11.15	
Drawdown (ft)	-0.74	-0.50	-0.35	-0.35	-0.35	-0.30	
pH (S.U.)	7.00	7.01	6.99	6.97	6.97	6.97	
Sp. Cond. (mS/cm)	1.852	1.838	1.834	1.834	1.832	1.807	
Turbidity (NTUs)	1124.0	72.2	41.2	17.8	17.6	15.1	
Dissolved Oxygen (mg/L)	5.71	0.77	0.42	0.43	0.35	0.20	
Water Temperature (°C)	16.53	14.01	14.55	14.61	14.58	14.83	
ORP (mV)	-7.8	0.4	4.2	5.4	5.7	6.1	

Physical appearance at start _____ Color _____ <u>clear w/ little iron bacteria</u> Odor _____ <u>no</u> Sheen/Free Product _____ <u>no</u>	Physical appearance at sampling _____ Color _____ <u>clear</u> Odor _____ <u>no</u> Sheen/Free Product _____ <u>no</u>

COMMENTS/OBSERVATIONS _____	Sample time at 10:35 hrs.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	7/12/2018		Casing Diameter	2		inches
Field Personnel	ELA		Casing Material	PVC		
Site Name	Former Scott Aviation Site - Lancaster, NY		Measuring Point Elevation	688.61		1/100 ft
Job #	60538931		Height of Riser (above land surface)	-0.26		1/100 ft
Well ID #	MW-11		Land Surface Elevation	688.87		1/100 ft
	Upgradient	Downgradient	Screened Interval (below land surface)	8.5 - 28.5		1/100 ft
Weather Conditions	Sunny					
Air Temperature	80					
Total Depth (TWD) Below Top of Casing =	28.5	1/100 ft				
Depth to Groundwater (DGW) Below Top of Casing =	13.32	1/100 ft				
Length of Water Column (LWC) = TWD - DGW =	15.18	1/100 ft				
1 Casing Volume (OCV) = LWC x	0.163	=	2.5	gal		
3 Casing Volumes =	7	gal				
Method of Well Evacuation	Peristaltic Pump					
Method of Sample Collection	Peristaltic Pump/Poly Tubing					
Total Volume of Water Removed	1.6		gal			

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

	200	200	200	200	200			
Flow Rate (ml/min)	200	200	200	200	200			
Time (Military)	14:25	14:30	14:35	14:40	14:45			
Depth to Groundwater Below Top of Casing (ft)	13.70	13.85	13.98	14.08	14.17			
Drawdown (ft)	-0.38	-0.15	-0.13	-0.10	-0.09			
pH (S.U.)	7.01	6.94	6.92	6.92	6.90			
Sp. Cond. (mS/cm)	4.511	4.522	4.525	4.539	4.539			
Turbidity (NTUs)	5.56	6.42	3.11	3.04	3.01			
Dissolved Oxygen (mg/L)	0.42	1.27	0.57	0.39	0.31			
Water Temperature (°C)	14.47	14.44	14.27	14.07	14.11			
ORP (mV)	-66.4	-65.5	-63.5	-64.0	-61.2			

Physical appearance at start Color <u>clear</u> Odor <u>no</u> Sheen/Free Product <u>no</u>	Physical appearance at sampling Color <u>clear</u> Odor <u>no</u> Sheen/Free Product <u>no</u>

COMMENTS/OBSERVATIONS Sample time at 14:45 hrs.



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) <u>7/13/2018</u>		Casing Diameter <u>4</u> inches
Field Personnel <u>ELA</u>		Casing Material <u>PVC</u>
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>686.19</u> 1/100 ft
Job # <u>60538931</u>		Height of Riser (above land surface) <u>-0.36</u> 1/100 ft
Well ID # <u>MW-12</u>		Land Surface Elevation <u>686.55</u> 1/100 ft
<u> </u> Upgradient <u> </u> Downgradient		Screened Interval (below land surface) <u>7 - 27</u> 1/100 ft
Weather Conditions <u>Sunny</u>		
Air Temperature <u>75</u> ° F		
Total Depth (TWD) Below Top of Casing = <u>27.5</u> 1/100 ft		
Depth to Groundwater (DGW) Below Top of Casing = <u>6.80</u> 1/100 ft		
Length of Water Column (LWC) = TWD - DGW = <u>20.70</u> 1/100 ft		
1 Casing Volume (OCV) = LWC x <u>0.163</u> = <u>3.4</u> gal		
3 Casing Volumes = <u>10.1</u> gal		
Method of Well Evacuation <u>Peristaltic Pump</u>		
Method of Sample Collection <u>Peristaltic Pump/Teflon Tubing</u>		
Total Volume of Water Removed <u>2.3</u> gal		

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

FIELD ANALYSES

	300	300	300	300	300	300		
VOLUME PURGED (ml)	300	300	300	300	300	300		
TIME (Military)	9:23	9:28	9:33	9:38	9:43	9:48		
Depth to Groundwater Below Top of Casing (ft)	7.65	8.40	8.95	9.33	9.70	10		
Drawdown (ft)	-0.85	-0.75	-0.55	-0.38	-0.37	-0.30		
pH (S.U.)	7.00	6.94	6.93	6.94	6.94	6.93		
Sp. Cond. (mS/cm)	1.636	1.638	1.640	1.642	1.641	1.640		
Turbidity (NTUs)	60.7	54.0	29.6	18.7	13.6	7.39		
Dissolved Oxygen (mg/L)	3.5	2.42	0.75	0.59	0.52	0.47		
Water Temperature (°C)	14.68	14.6	14.31	14.17	14.36	14.45		
ORP (mV)	-71.6	-80.2	-77.7	-77.7	-78.7	-78.4		

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 Sample time at 9:50 hrs.



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) 7/13/2018
Field Personnel ELA
Site Name Former Scott Aviation Site - Lancaster, NY
Job # 60538931
Well ID # MW-13S
 Upgradient Downgradient
Weather Conditions Sunny
Air Temperature 80 ° F
Total Depth (TWD) Below Top of Casing = 16.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 7.25 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 9.25 1/100 ft
1 Casing Volume (OCV) = LWC x 0.041 = 0.4 gal
3 Casing Volumes = 1.13775 gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 2.0 gal

Casing Diameter 1 inches
Casing Material PVC
Measuring Point Elevation 685.74 1/100 ft
Height of Riser (above land surface) -0.50 1/100 ft
Land Surface Elevation 686.24 1/100 ft
Screened Interval (below land surface) 8.5-16.5 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)
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)

150	150	150	150	150	150	150	150
10:50	10:55	11:00	11:05	11:10	11:15	11:20	11:25
8.70	9.12	9.65	10.15	11.1	12	12.75	13.4
-1.45	-0.42	-0.53	-0.50	-0.95	-0.90	-0.75	-0.65
7.53	7.53	7.48	7.44	7.37	7.39	7.46	7.55
1.392	1.363	1.357	1.349	1.348	1	1.353	1.34
53.0	54.6	19.1	13.8	14.9	22.2	39.6	47.0
2.00	0.21	0.15	0.21	0.27	0.20	0.18	0.13
14.89	13.89	14.03	14.02	14.01	14.00	13.95	13.82
-112.2	-123.7	-110.7	-107.8	-108.0	-103.0	-115.9	-127.2

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 Dry at 11:35. Let recharge. Grab sample time at 12:20 hrs.



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) <u>7/13/2018</u>		Casing Diameter <u>1</u> inches																																														
Field Personnel <u>ELA</u>		Casing Material <u>PVC</u>																																														
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>		Measuring Point Elevation <u>685.74</u> 1/100 ft																																														
Job # <u>60538931</u>		Height of Riser (above land surface) <u>-0.50</u> 1/100 ft																																														
Well ID # <u>MW-13S</u>		Land Surface Elevation <u>686.24</u> 1/100 ft																																														
<u> </u> Upgradient <u> </u> Downgradient		Screened Interval (below land surface) <u>8.5-16.5</u> 1/100 ft																																														
Weather Conditions <u>Sunny</u>																																																
Air Temperature <u>80</u> ° F																																																
Total Depth (TWD) Below Top of Casing = <u>16.5</u> 1/100 ft																																																
Depth to Groundwater (DGW) Below Top of Casing = <u>7.25</u> 1/100 ft																																																
Length of Water Column (LWC) = TWD - DGW = <u>9.25</u> 1/100 ft																																																
1 Casing Volume (OCV) = LWC x <u>0.041</u> = <u>0.4</u> gal																																																
3 Casing Volumes = <u>1.13775</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>2.0</u> gal																																																
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>Container</th><th>Analysis (Method)</th><th># Bottles</th><th>Preservative</th><th>Dup - MS/MSD</th></tr></thead><tbody><tr><td>VOA 40 mL glass</td><td>TCL VOCs (8260B)</td><td>3</td><td>HCL, 4°C</td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>				Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD	VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C																																				
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)	<u>150</u>	<u>150</u>																																														
Time (Military)	<u>11:30</u>	<u>11:35</u>																																														
Depth to Groundwater Below Top of Casing (ft)	<u>14.90</u>	<u>dry</u>																																														
Drawdown (ft)	<u>-1.50</u>	<u>#VALUE!</u>																																														
pH (S.U.)	<u>7.62</u>	<u>7.70</u>																																														
Sp. Cond. (mS/cm)	<u>1.337</u>	<u>1.353</u>																																														
Turbidity (NTUs)	<u>68.0</u>	<u>81.0</u>																																														
Dissolved Oxygen (mg/L)	<u>0.10</u>	<u>0.10</u>																																														
Water Temperature (°C)	<u>13.85</u>	<u>14.60</u>																																														
ORP (mV)	<u>-143.7</u>	<u>-169.1</u>																																														
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>Dry at 11:35. Let recharge. Grab sample time at 12:20 hrs.</u>																																																

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	7/13/2018	
Field Personnel	ELA	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60538931	
Well ID #	MW-13D	
	Upgradient	Downgradient
Weather Conditions _____		
Air Temperature	° F _____	
Total Depth (TWD) Below Top of Casing =	23.5	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =		
Length of Water Column (LWC) = TWD - DGW =	23.5	1/100 ft
1 Casing Volume (OCV) = LWC x	0.041	= 1.0 gal
3 Casing Volumes =	2.9	gal
Method of Well Evacuation	Peristaltic Pump	
Method of Sample Collection	Peristaltic Pump/Poly Tubing	
Total Volume of Water Removed	1.6	gal

Casing Diameter	1	inches
Casing Material	PVC	
Measuring Point Elevation	685.88	1/100 ft
Height of Riser (above land surface)	-0.36	1/100 ft
Land Surface Elevation	686.24	1/100 ft
Screened Interval (below land surface)	19.5-23.5	1/100 ft

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

Flow Rate (ml/min)	175	175	175	175	175	175	175
Time (Military)	11:40	11:45	11:50	11:55	12:00	12:05	12:10
Depth to Groundwater Below Top of Casing (ft)	14.00	14.30	16.34	18.97	19.82	20.11	20.25
Drawdown (ft)	-14.00	-0.30	-2.04	-2.63	-0.85	-0.29	-0.14
pH (S.U.)	7.27	7.25	7.26	7.24	7.22	7.22	7.22
Sp. Cond. (mS/cm)	1.600	1.571	1.538	1.530	1.532	1.535	1.531
Turbidity (NTUs)	32.5	20.3	11.72	9.43	16.2	15.1	15.0
Dissolved Oxygen (mg/L)	0.63	0.53	0.28	0.27	0.22	0.2	0.17
Water Temperature (°C)	14.39	14.06	14.63	15.14	16.11	16.43	16.42
ORP (mV)	-90.2	-81.5	-81.7	-83.2	-84.1	-85.5	-89.4

Physical appearance at start Color <u>clear</u> Odor <u>no</u> Sheen/Free Product <u>no</u>	Physical appearance at sampling Color <u>clear</u> Odor <u>no</u> Sheen/Free Product <u>no</u>

COMMENTS/OBSERVATIONS Sample time at 12:15 hrs.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	7/12/2018			Casing Diameter	1			inches
Field Personnel	ELA			Casing Material	PVC			
Site Name	Former Scott Aviation Site - Lancaster, NY			Measuring Point Elevation	688.15			1/100 ft
Job #	60538931			Height of Riser (above land surface)	2.46			1/100 ft
Well ID #	MW-16S			Land Surface Elevation	685.69			1/100 ft
	Upgradient		Downgradient	Screened Interval (below land surface)	12 - 18			1/100 ft
Weather Conditions	Sunny							
Air Temperature	80 ° F							
Total Depth (TWD) Below Top of Casing =	15.4		1/100 ft					
Depth to Groundwater (DGW) Below Top of Casing =	8.90		1/100 ft					
Length of Water Column (LWC) = TWD - DGW =	6.71		1/100 ft					
1 Casing Volume (OCV) = LWC x	0.041	=	0.3 gal					
3 Casing Volumes =	0.8		gal					
Method of Well Evacuation	Peristaltic Pump							
Method of Sample Collection	Peristaltic Pump/Poly Tubing							
Total Volume of Water Removed	0.8		gal					

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

	200	200						
Flow Rate (ml/min)	200	200						
Time (Military)	15:10	15:15						
Depth to Groundwater Below Top of Casing (ft)	10.95	13.00						
Drawdown (ft)	-2.05	-2.05						
pH (S.U.)	7.41	7.16						
Sp. Cond. (mS/cm)	2.365	2.216						
Turbidity (NTUs)	29.3	22						
Dissolved Oxygen (mg/L)	2.95	0.85						
Water Temperature (°C)	14.93	14.15						
ORP (mV)	-102.4	-100.1						

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

COMMENTS/OBSERVATIONS Dry at 15:17 hrs on 7/12/2018. Let recharge. Return on 12/13/2018. Grab sample time at 14:20 hrs. Water level recharged to 10.2 ft btic.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) _____	7/13/2018	
Field Personnel _____	ELA	
Site Name _____	Former Scott Aviation Site - Lancaster, NY	
Job # _____	60538931	
Well ID # _____	MW-16D	
_____ Upgradient	_____ Downgradient	
Weather Conditions _____	Sunny	
Air Temperature _____	85	° F
Total Depth (TWD) Below Top of Casing = _____	24	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = _____	14.6	1/100 ft
Length of Water Column (LWC) = TWD - DGW = _____	9.4	1/100 ft
1 Casing Volume (OCV) = LWC x _____	0.041	= _____ 0.4 gal
3 Casing Volumes = _____	1.2	gal
Method of Well Evacuation _____	Peristaltic Pump	
Method of Sample Collection _____	Peristaltic Pump/Poly Tubing	
Total Volume of Water Removed _____	0.8	gal

Casing Diameter _____	1	inches
Casing Material _____	PVC	
Measuring Point Elevation _____	688.16	1/100 ft
Height of Riser (above land surface) _____	2.47	1/100 ft
Land Surface Elevation _____	685.69	1/100 ft
Screened Interval (below land surface) _____	20-24	1/100 ft

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

	100	100	100	100	100	100	100
Flow Rate (ml/min)	100	100	100	100	100	100	100
Time (Military)	14:40	14:45	14:50	14:55	15:00	15:05	15:10
Depth to Groundwater Below Top of Casing (ft)	17.2	18	18.8	19.3	19.65	19.9	20.1
Drawdown (ft)	NA	-3.40	-0.80	-0.50	-0.35	-0.25	-0.20
pH (S.U.)	7.95	7.89	7.83	7.88	7.90	7.90	7.85
Sp. Cond. (mS/cm)	1.517	1.501	1.497	1.505	1.493	1.507	1.508
Turbidity (NTUs)	16.70	11.54	11.18	7.65	7.44	4.83	6.68
Dissolved Oxygen (g/L)	1.26	0.90	0.71	0.55	0.35	0.32	0.28
Water Temperature (°C)	14.77	15.56	16.37	16.46	16.64	17.29	17.26
ORP (mV)	-148.10	-149.3	-150.6	-159.4	-157.8	-161.6	-159.0

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 at 15:15 hrs.



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
4/11/2018	5.12	681.88
7/12/2018	6.71	680.29

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.

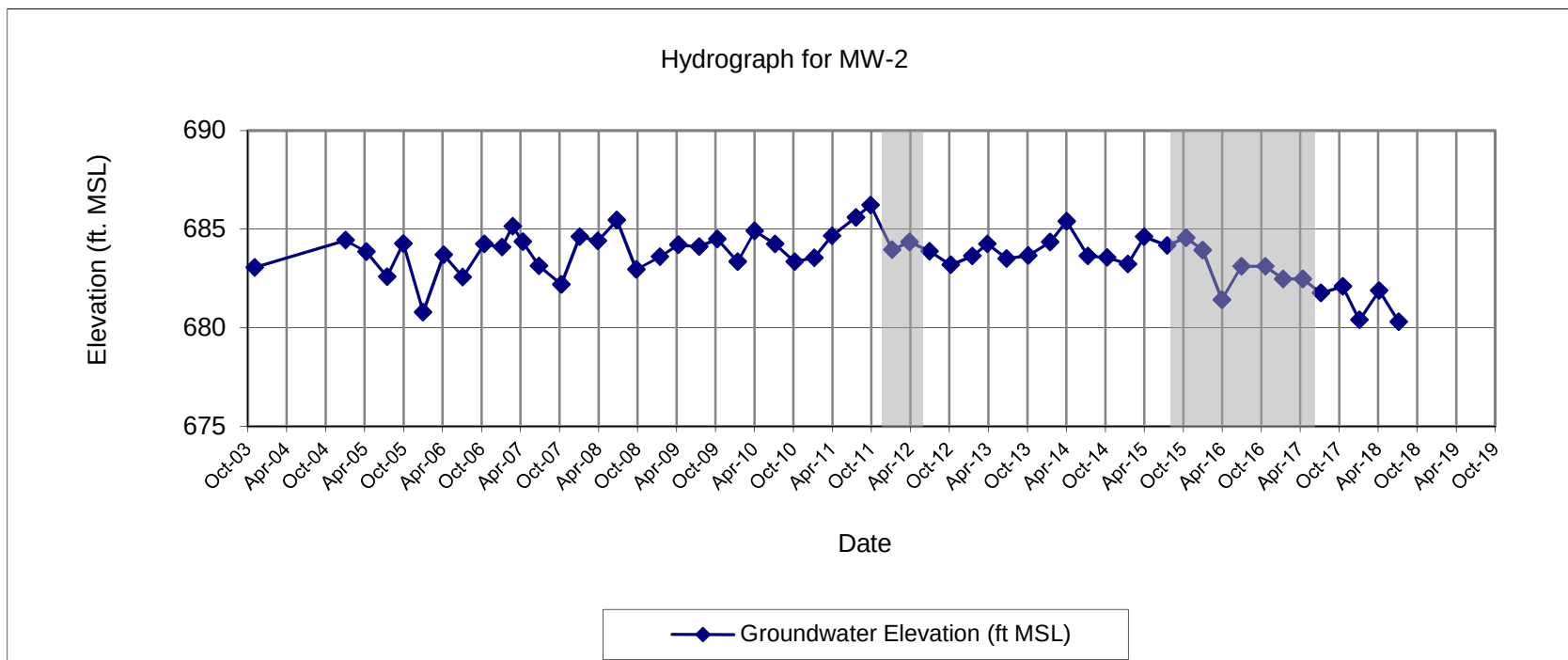
DPE off line for repairs in October 2013.

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	674.76
7/11/2017	12.65	674.40
10/23/2017	11.80	675.25
1/8/2018	10.12	676.93
4/11/2018	9.58	677.47
7/12/2018	10.98	676.07

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.

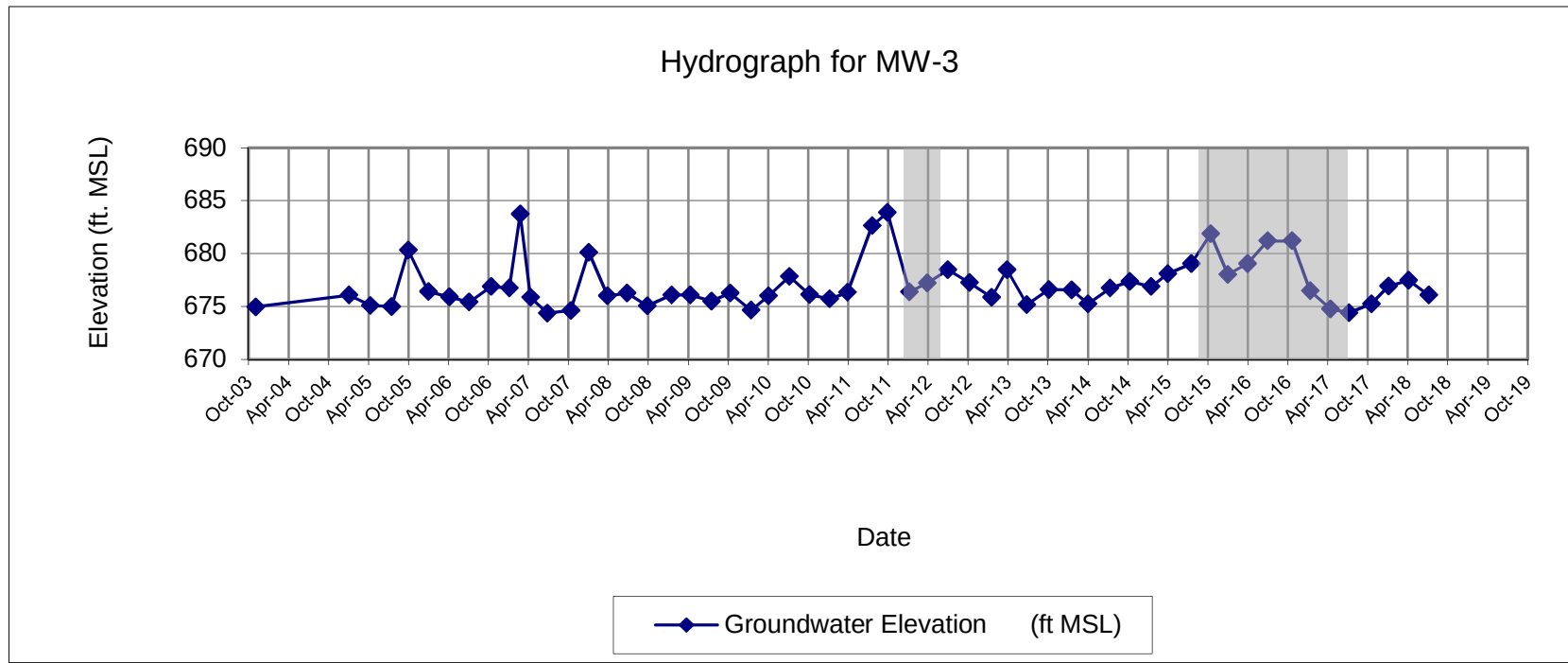
DPE off line for repairs in October 2013.

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



**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
4/11/2018	10.55	675.95
7/12/2018	11.57	674.93

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.

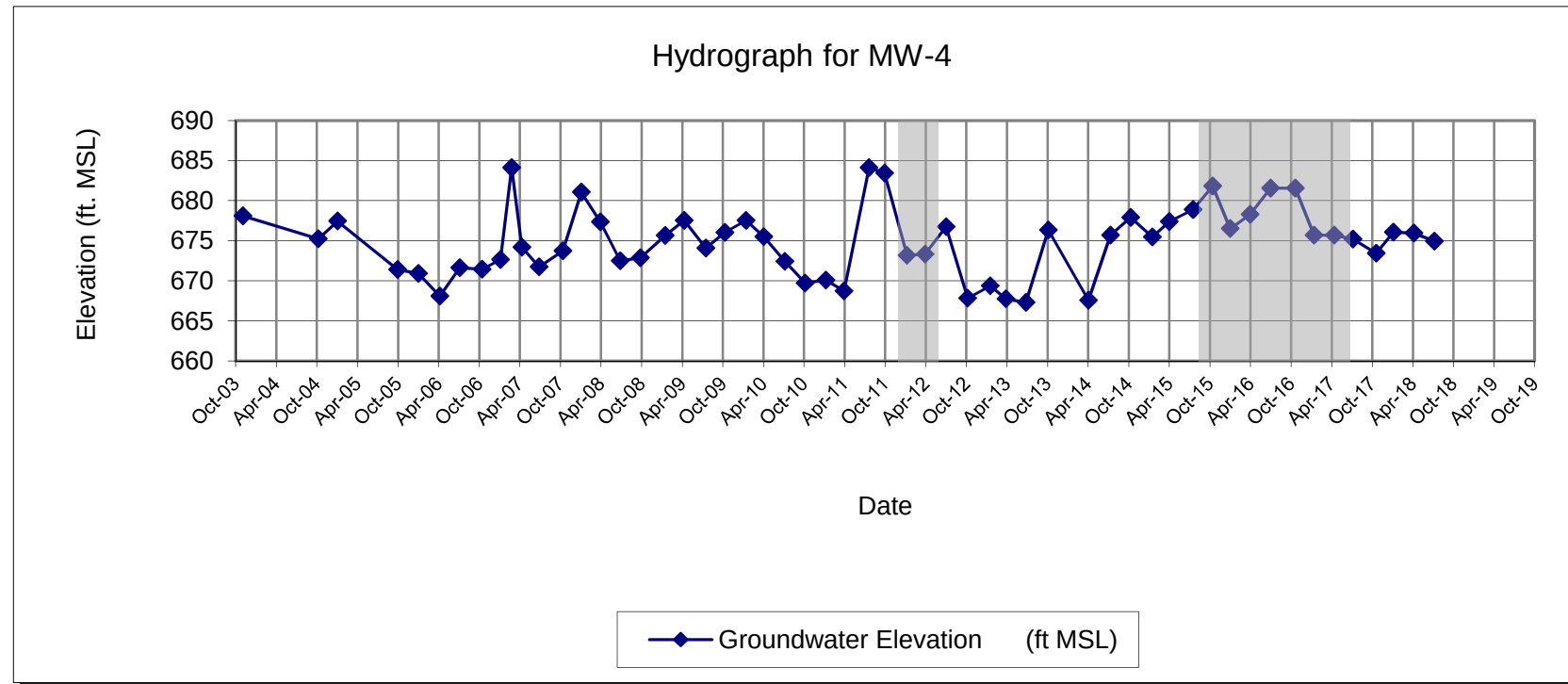
DPE off line for repairs in October 2013.

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



**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.

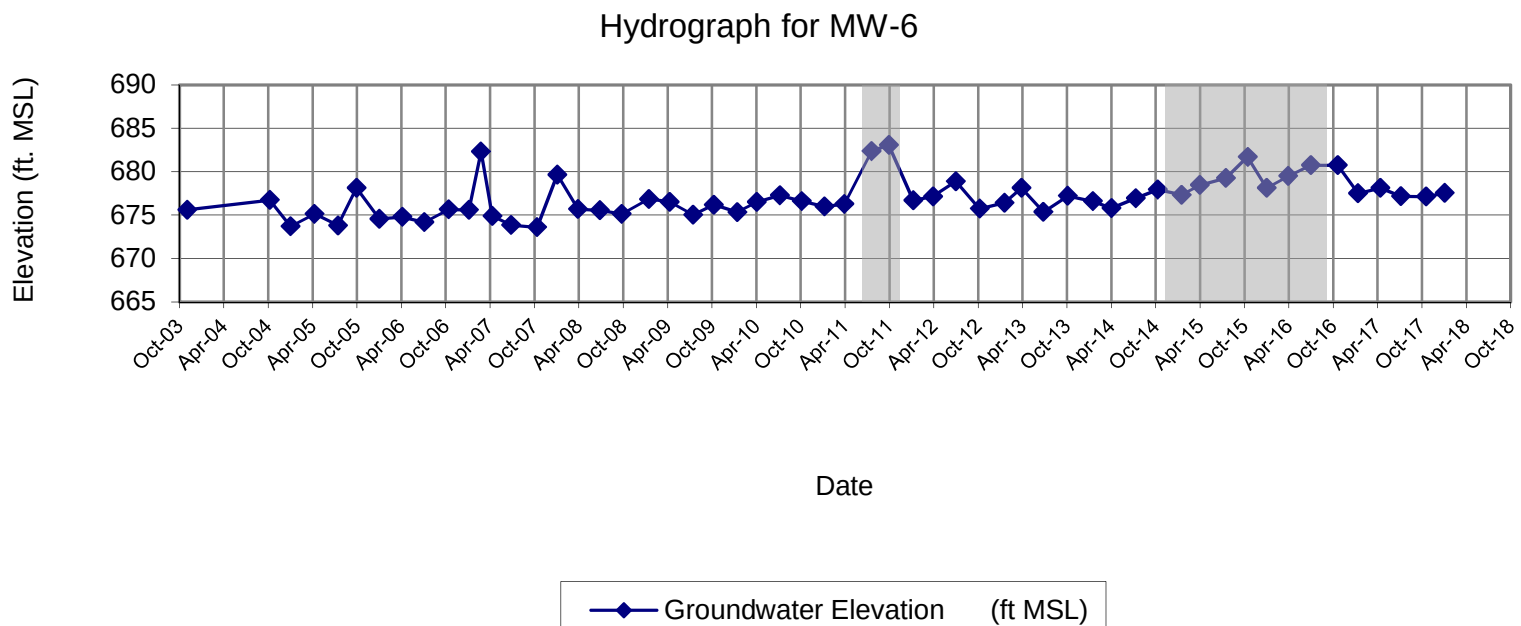
TOC Elevation re-measured on June 13, 2008 at 686.53.

DPE system off line between June 2011 and November 2011 to accommodate the second phase of

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 was destroyed by snow plow 3/2018.

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	
4/11/2018	10.05	676.16
7/12/2018	18.78	667.43

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.

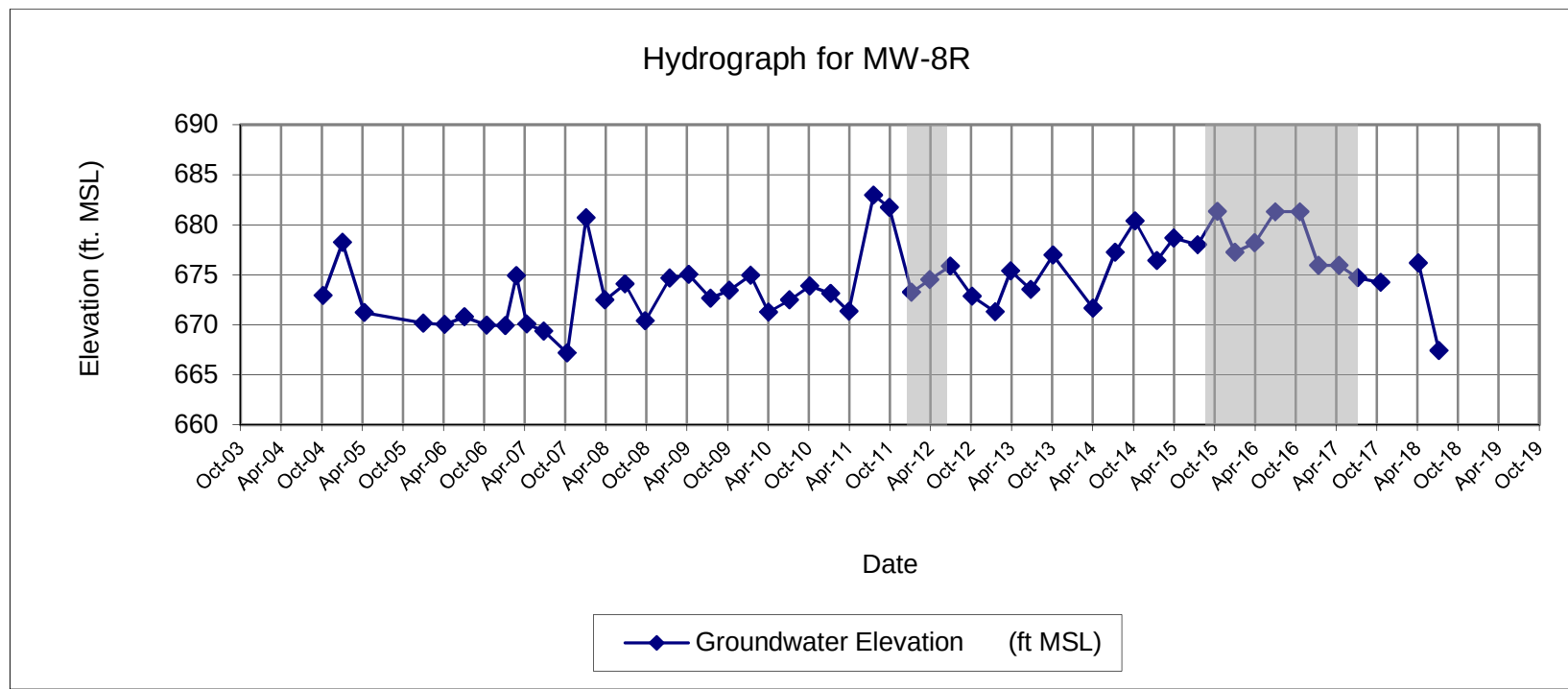
DPE off line for repairs in October 2013.

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



**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
4/11/2018	13.20	676.37
7/12/2018	14.49	675.08

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.

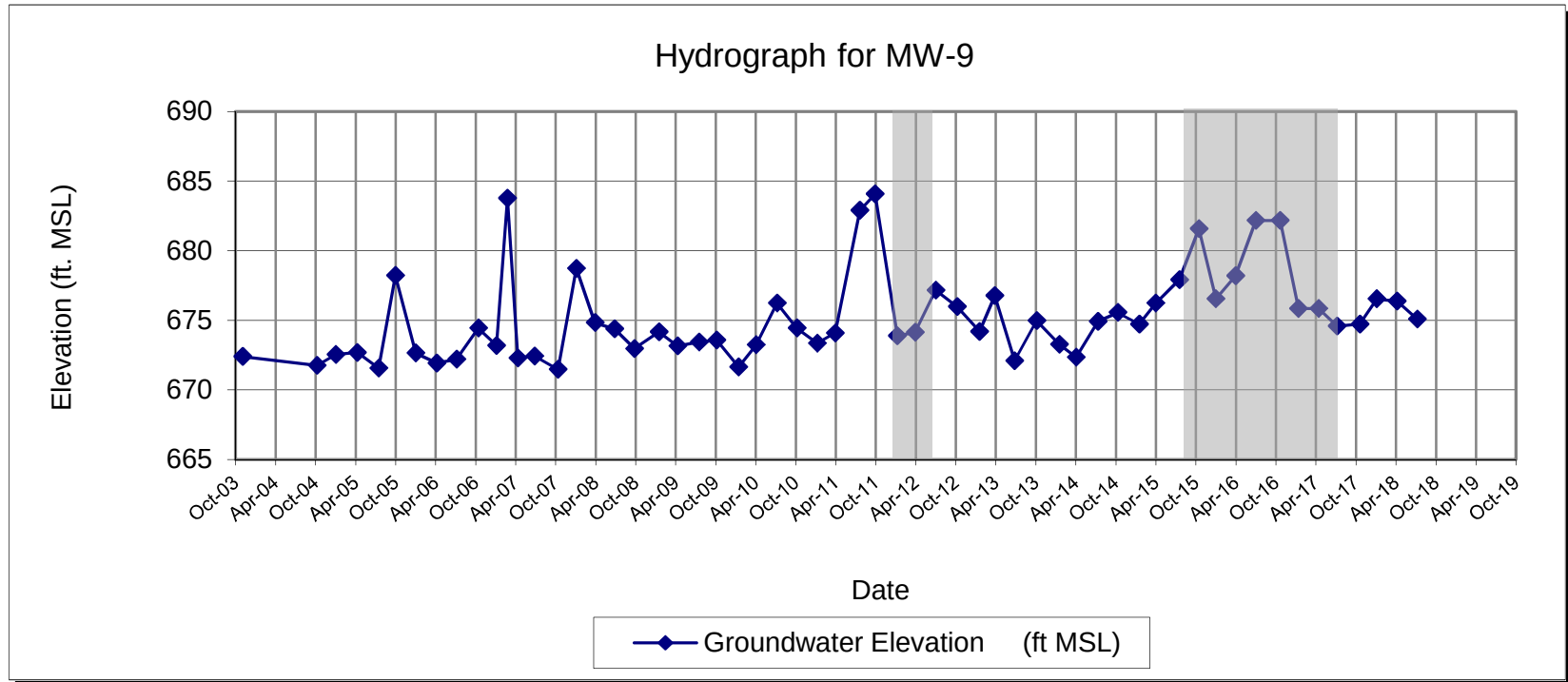
DPE off line for repairs in October 2013.

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



**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
4/11/2018	7.00	680.70
7/12/2018	8.40	679.30

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.

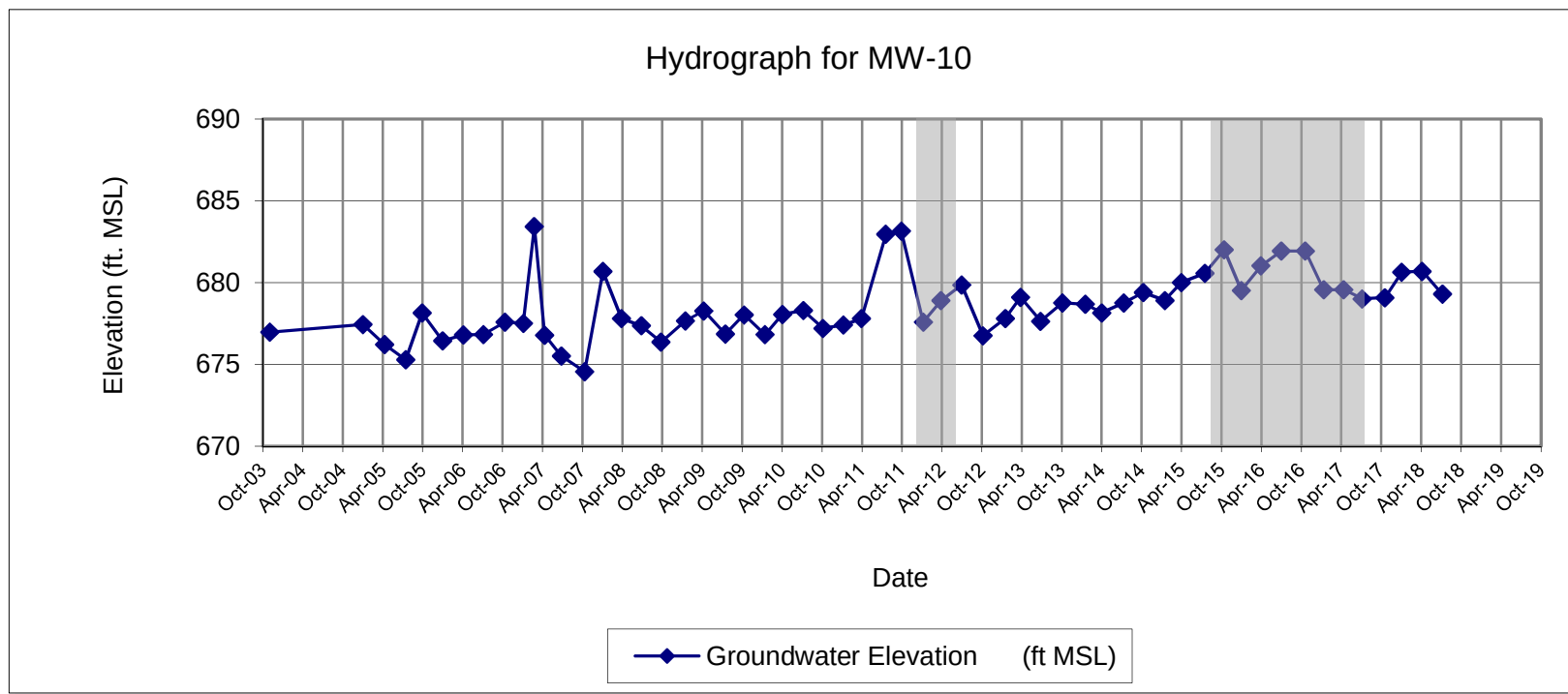
DPE off line for repairs in October 2013.

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
4/11/2018	10.75	677.86
7/12/2018	13.21	675.40

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.

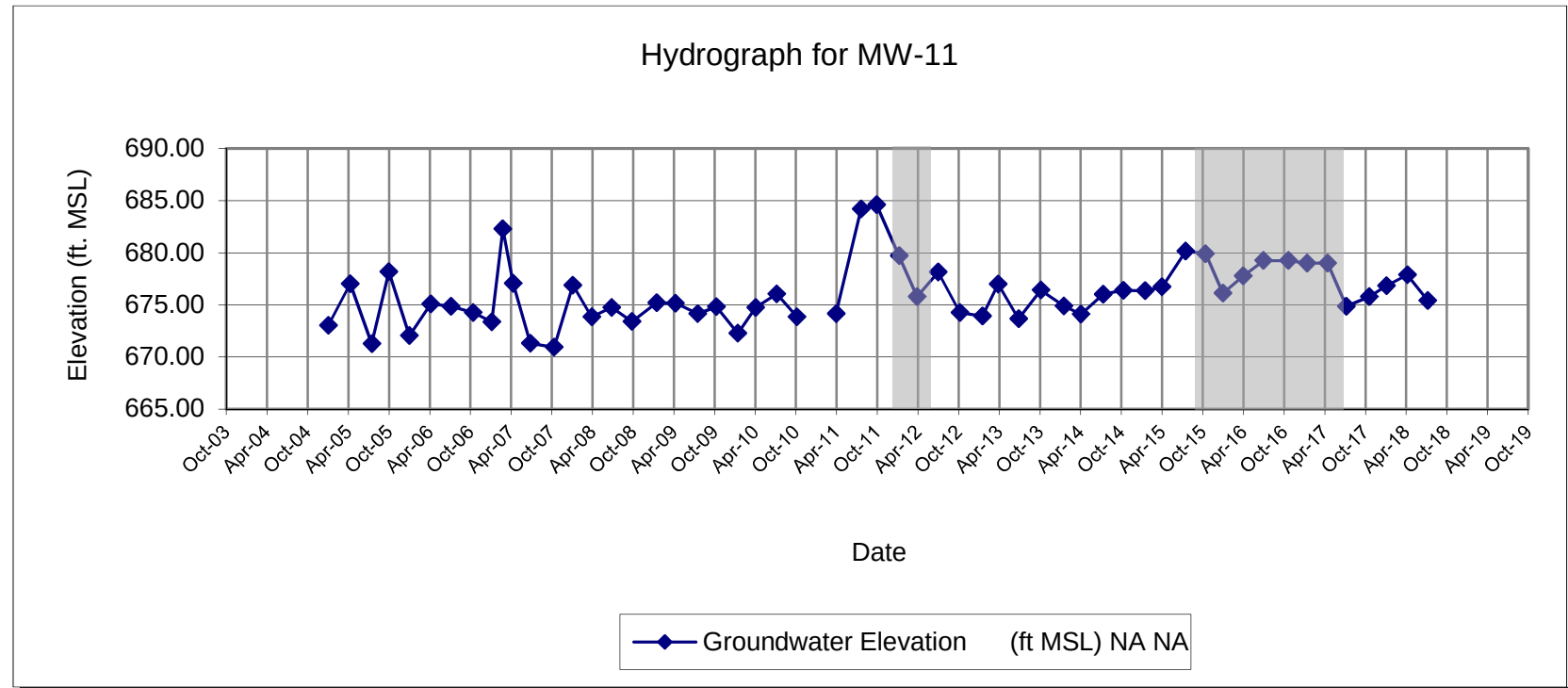
DPE off line for repairs in October 2013.

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



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	681.60
7/11/2017	6.98	679.21
10/23/2017	6.21	679.98
1/8/2018	NM	
4/11/2018	3.84	682.35
7/12/2018	6.74	679.45

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.

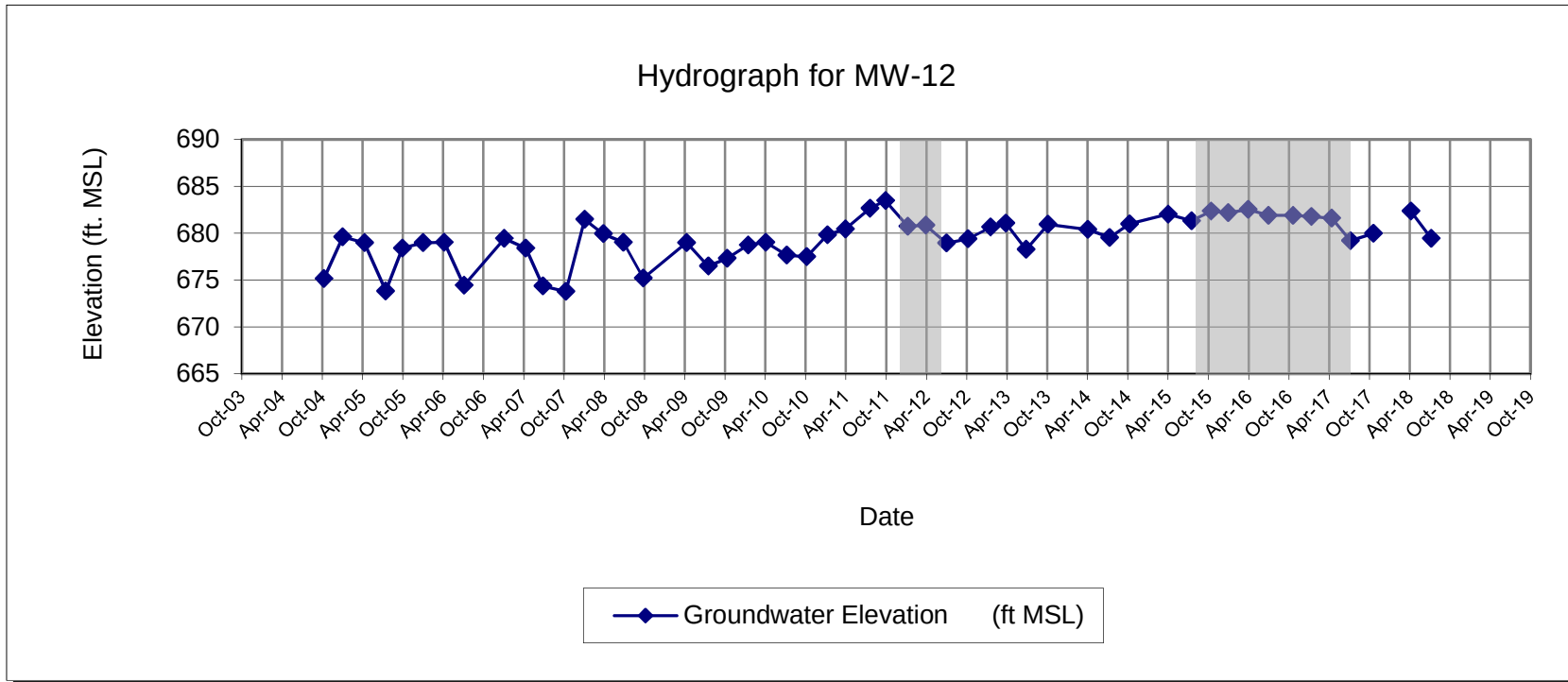
DPE off line for repairs in October 2013.

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
4/11/2018	4.20	682.45
7/12/2018	7.02	679.63

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.

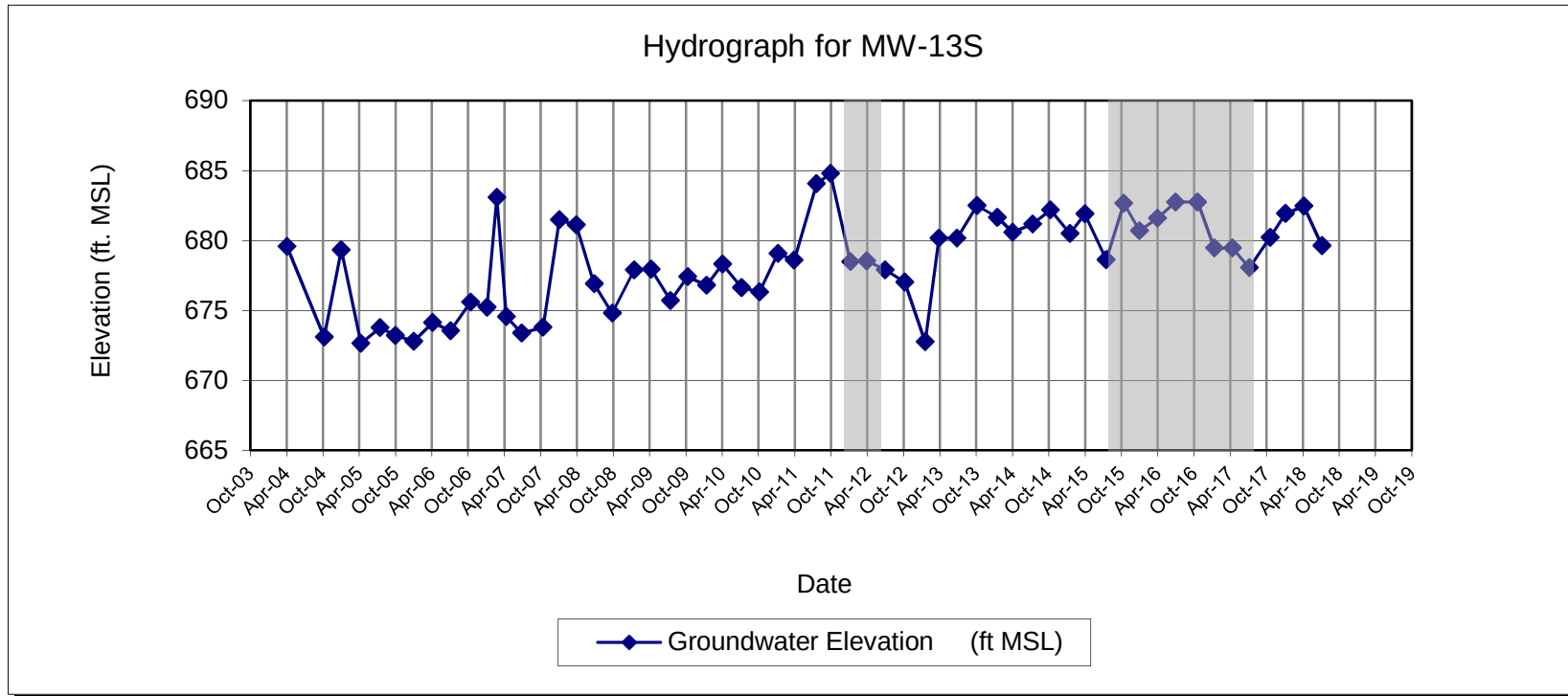
DPE off line for repairs in October 2013.

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
4/11/2018	8.70	678.08
7/12/2018	10.91	675.87

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.

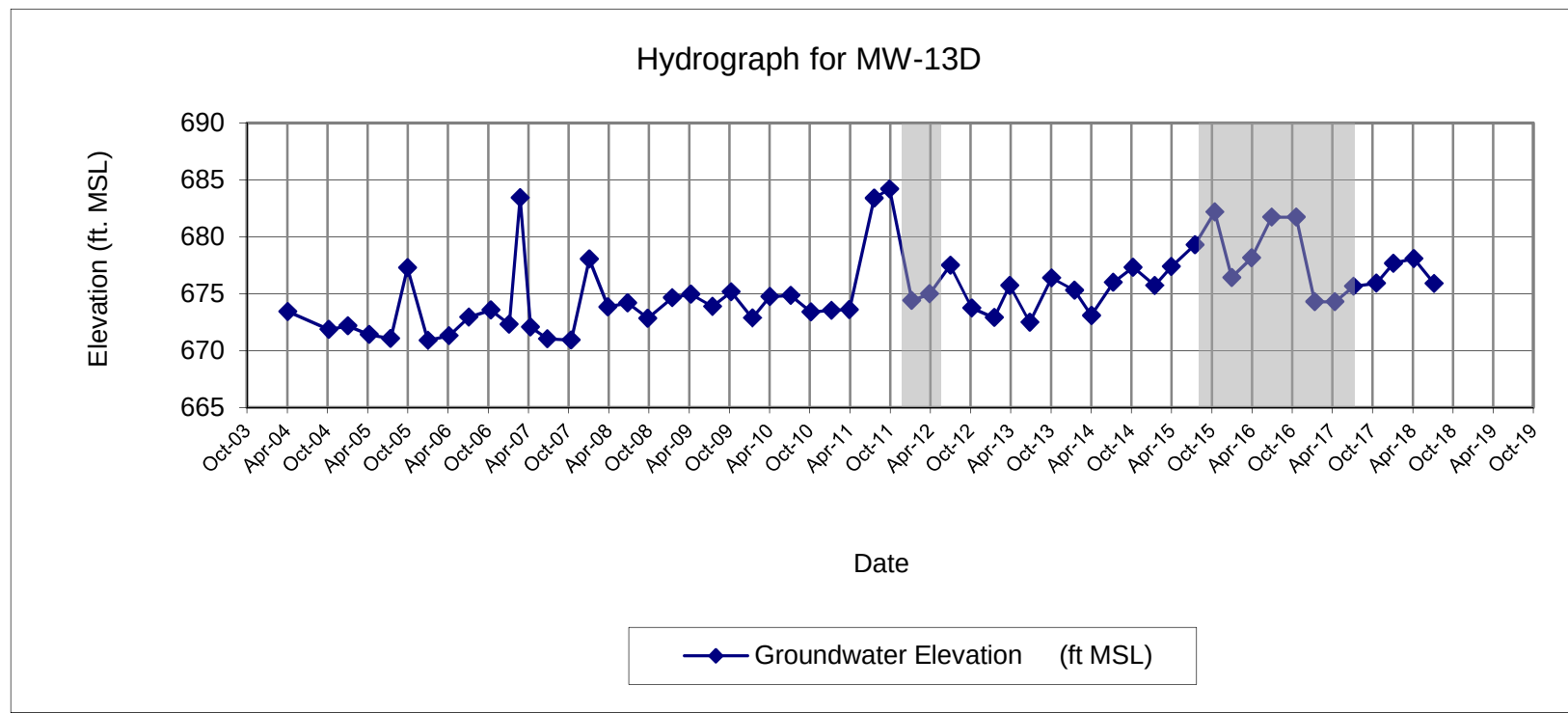
DPE off line for repairs in October 2013.

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
4/11/2018	5.14	680.60
7/12/2018	7.25	678.49

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.

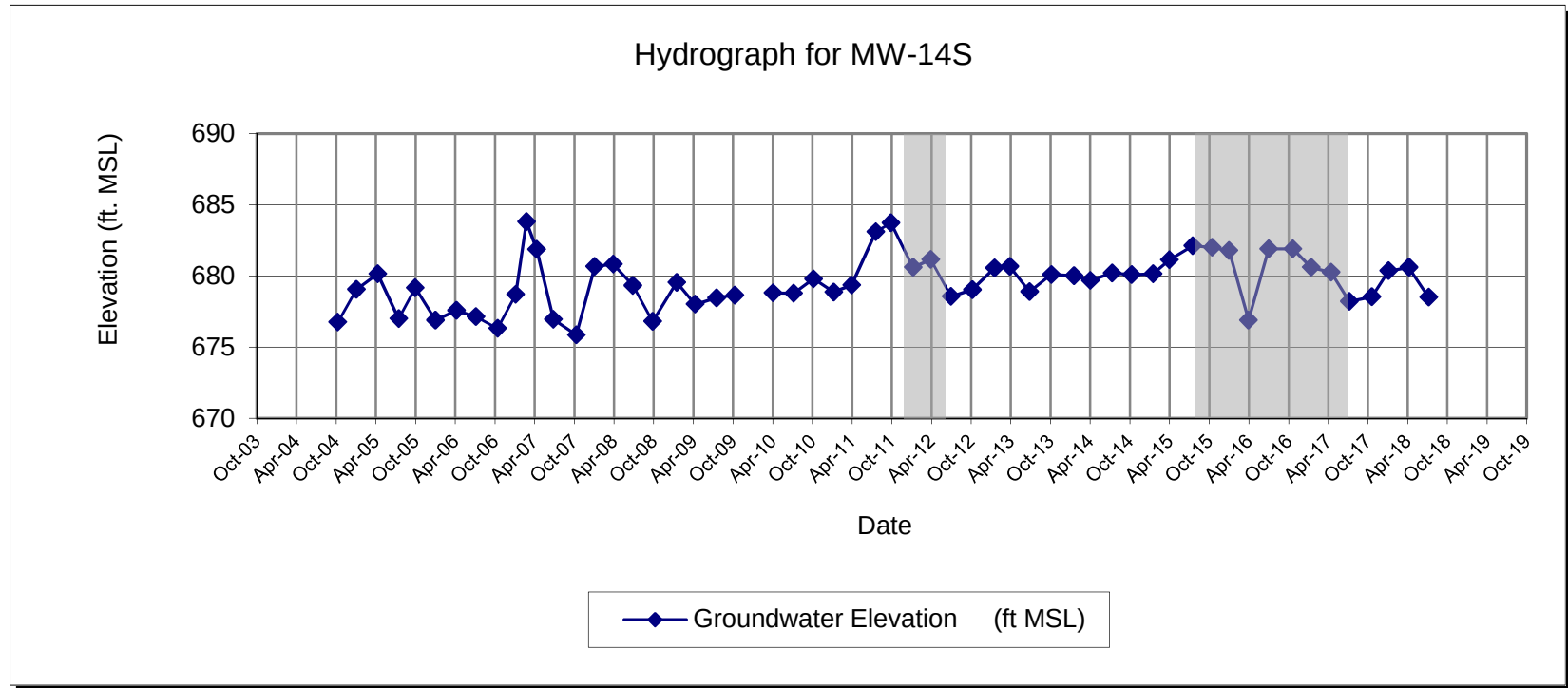
DPE off line for repairs in October 2013.

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



**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
4/11/2018	15.95	669.93
7/12/2018	16.90	668.98

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.

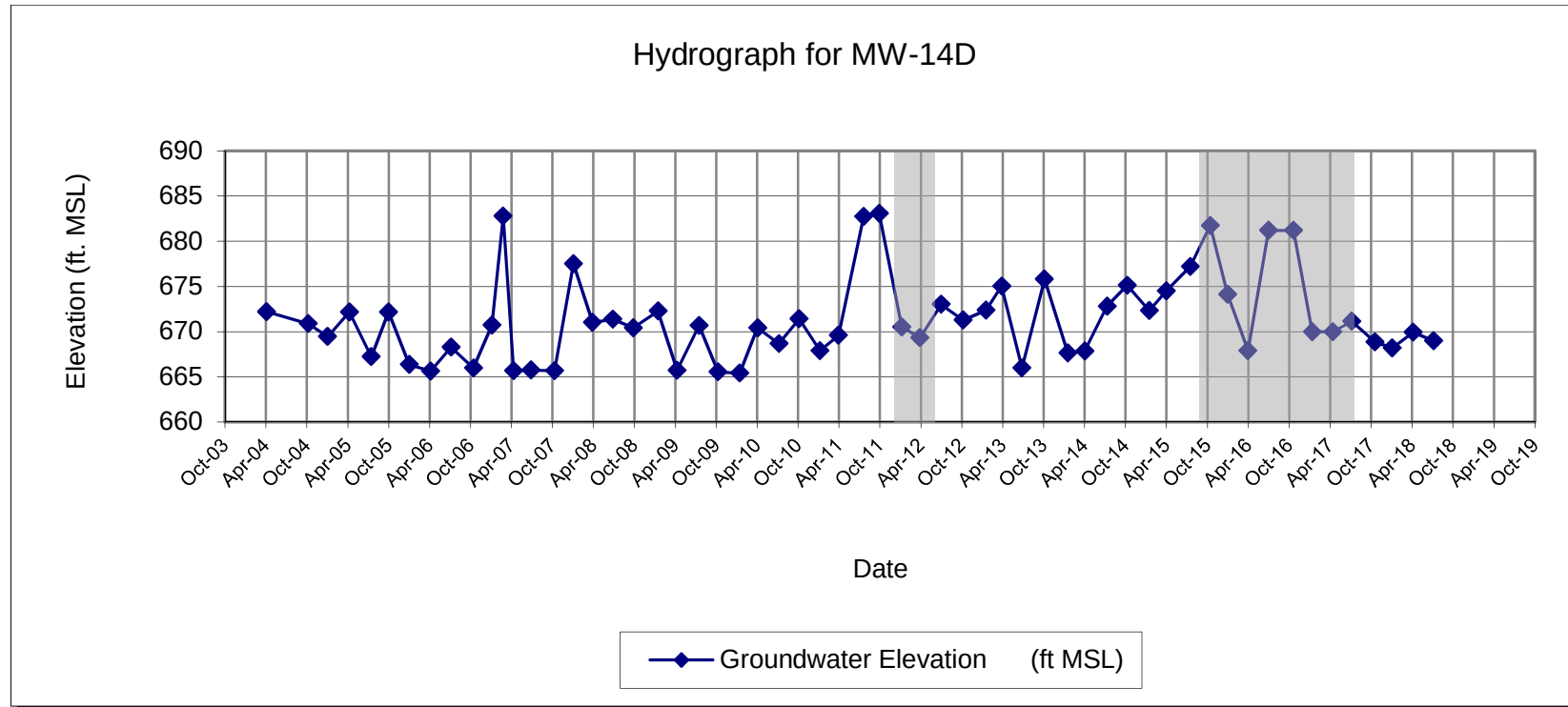
DPE off line for repairs in October 2013.

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



**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
4/11/2018	0.00	687.17
7/12/2018	0.35	686.82

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.

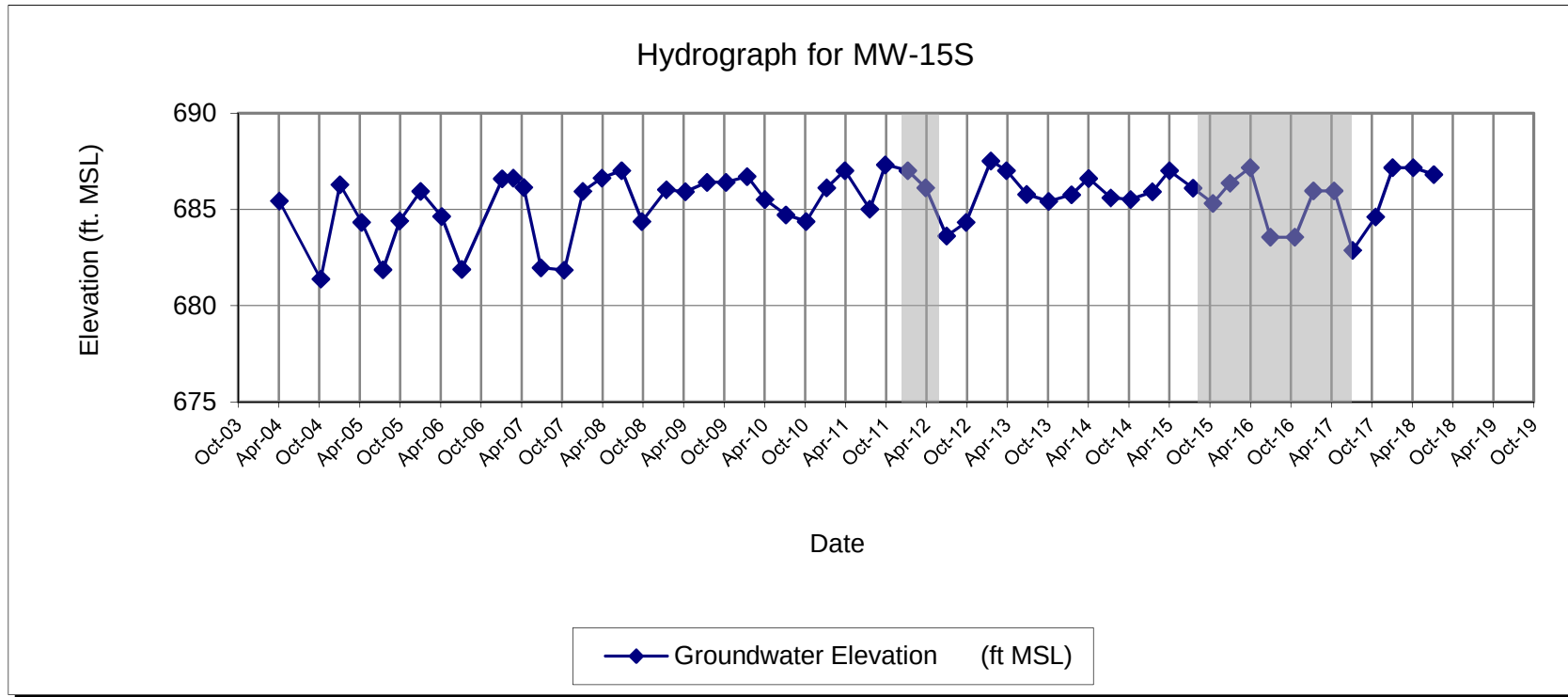
Measured from ground surface on April 4, 2016 at 687.87.

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	11.70	676.17
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	673.97
7/11/2017	14.06	673.31
10/23/2017	14.21	673.16
1/8/2018	13.08	674.79
4/11/2018	11.70	676.17
7/12/2018	14.19	673.68

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.

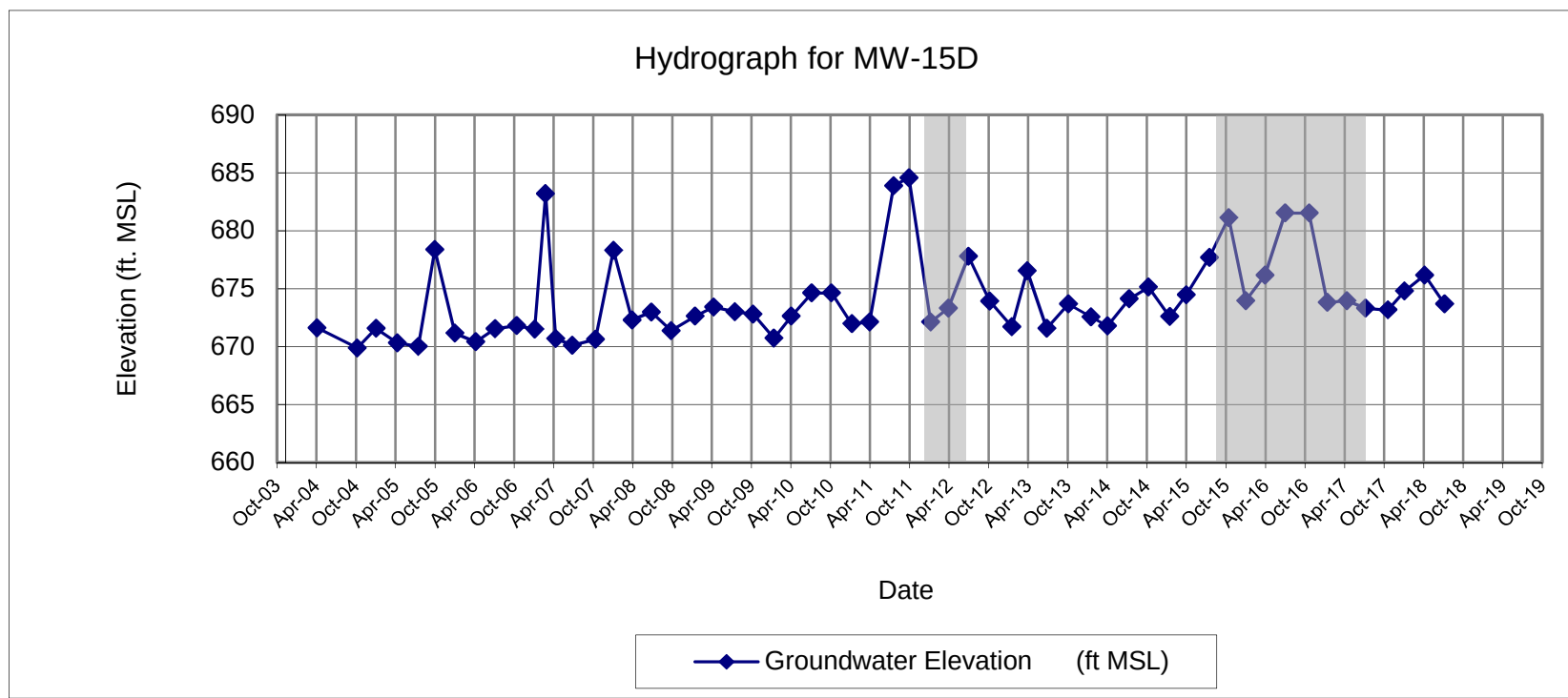
TOC Elevation re-measured on June 13, 2008 at 687.62.

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
4/11/2018	6.71	681.44
7/12/2018	8.99	679.16

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.

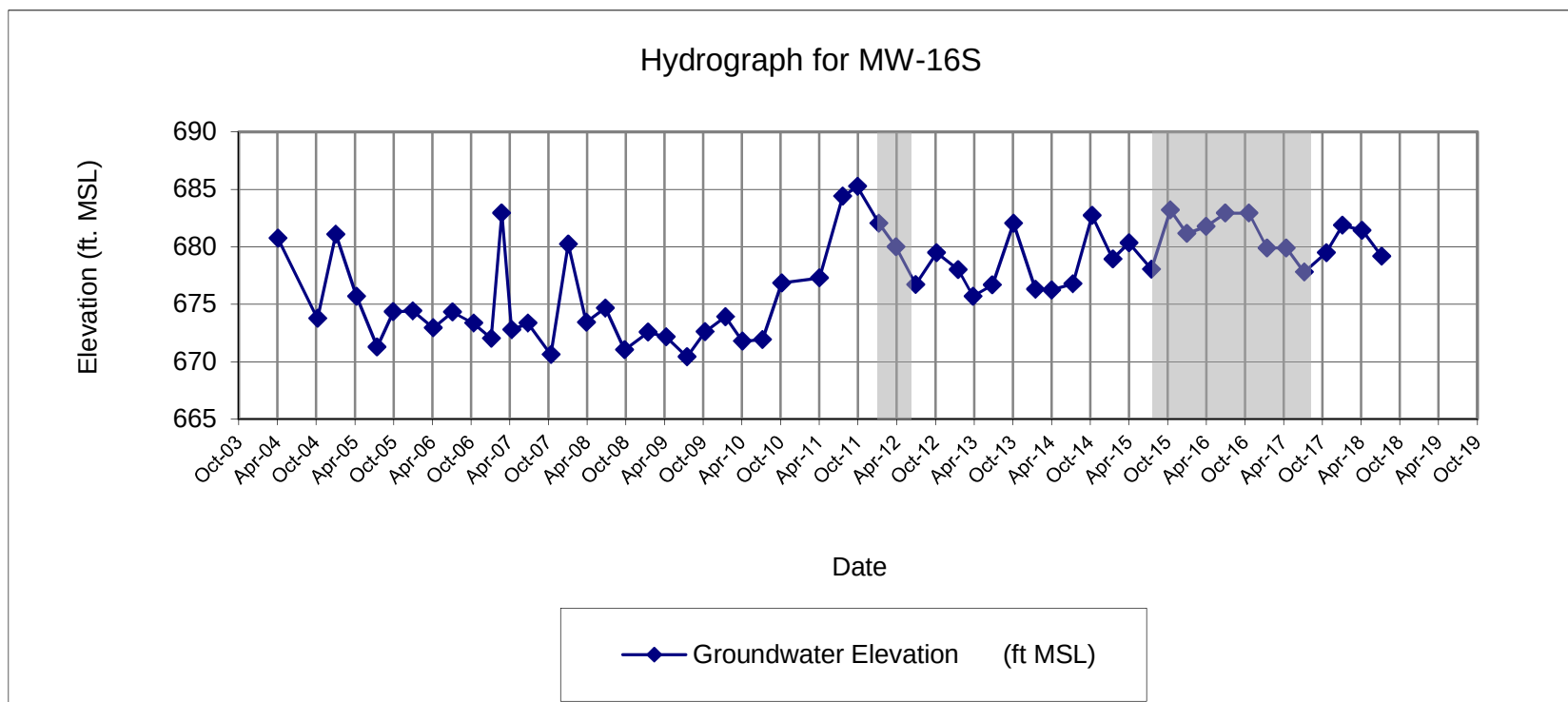
TOC Elevation re-measured on June 1, 2015 at 688.19.

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



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
4/11/2018	11.67	676.49
7/12/2018	14.20	673.96

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.

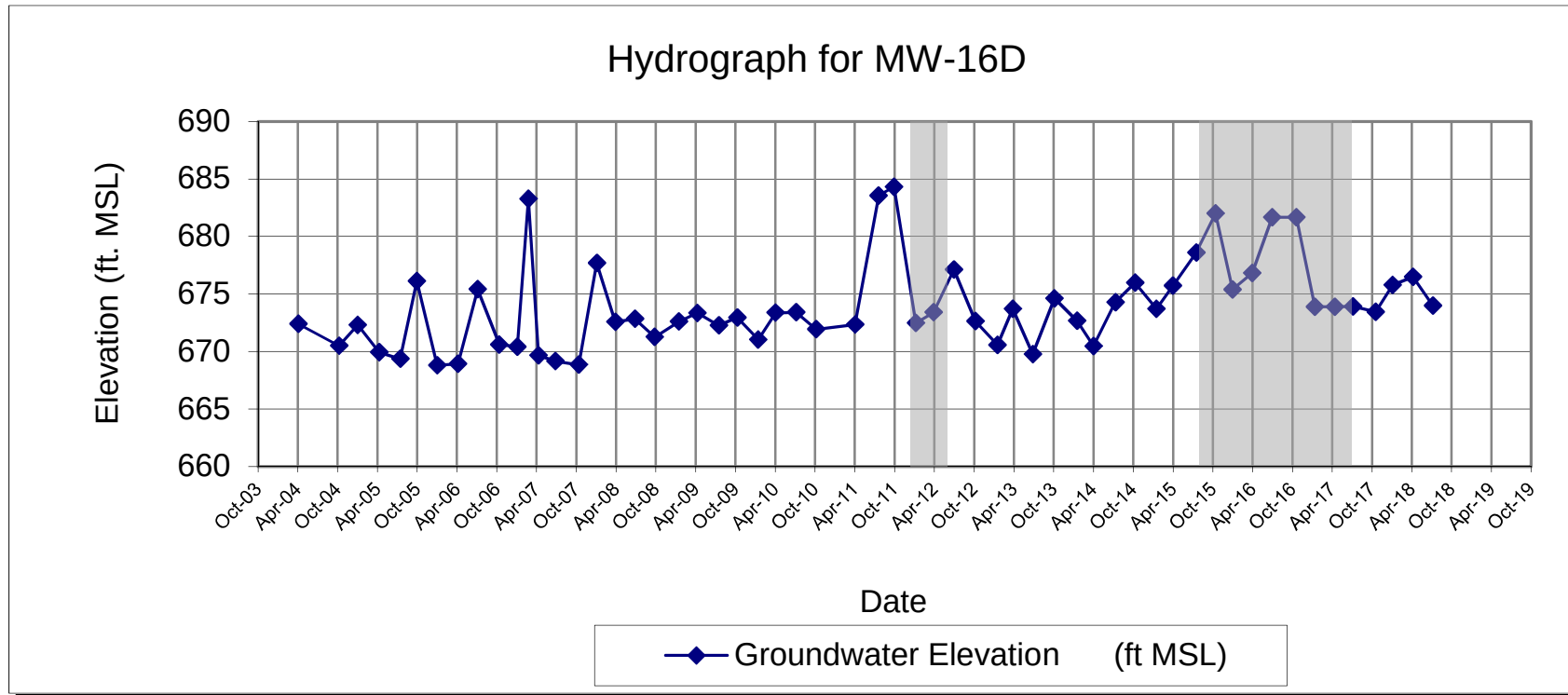
TOC Elevation re-measured on June 1, 2015 at 688.39.

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





APPENDIX C

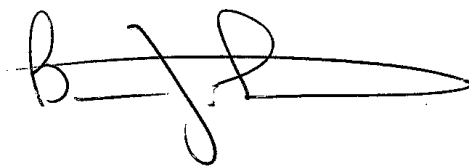
Analytical Laboratory Data
(Full data reports contained on attached CD ROM)

ANALYTICAL REPORT

Job Number: 480-138781-1

Job Description: Scott Figgie West of Plant 2

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



Approved for release.
Brian J Fischer
Manager of Project Management
7/30/2018 3:54 PM

Brian J Fischer, Manager of Project Management
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9835
brian.fischer@testamericainc.com
07/30/2018

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

Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Sample Summary	6
Detection Summary	7
Method Summary	11
Client Sample Results	12
Surrogate Summary	62
QC Sample Results	64
Definitions	87
QC Association	88
Chronicle	90
Certification Summary	94
Organic Sample Data	95
GC/MS VOA	95
Method 8260C	95
Method 8260C QC Summary	96
Method 8260C Sample Data	150
Standards Data	456
Method 8260C ICAL Data	456
Method 8260C CCAL Data	854
Raw QC Data	920
Method 8260C Tune Data	920
Method 8260C Blank Data	958
Method 8260C LCS/LCSD Data	1028
Method 8260C MS/MSD Data	1078

Table of Contents

Method 8260C Run Logs	1088
Method 8260C Prep Data	1100
Shipping and Receiving Documents	1109
Client Chain of Custody	1110
Sample Receipt Checklist	1114

Job Narrative
480-138781-1

Comments

No additional comments.

Receipt

The samples were received on 7/12/2018 4:15 PM and 7/13/2018 4:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.8° C and 3.9° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-424504 recovered above the upper control limit for 2-Hexanone, Acetone and 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: Rinse Blank (480-138781-1) and DPE-8 (480-138781-3).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-424504 recovered outside control limits for the following analytes: 2-Hexanone, Acetone and 2-Butanone (MEK). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: Rinse Blank (480-138781-1) and DPE-8 (480-138781-3).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: DPE-8 (480-138781-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-424528 recovered above the upper control limit for Chloromethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: DPE-2 (480-138781-7).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-424528 recovered above the upper control limit for 2-Butanone (MEK), 2-Hexanone, 4-Methyl-2-pentanone (MIBK) and Acetone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: DPE-2 (480-138781-7).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-424528 recovered outside control limits for the following analyte: Chloromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The following sample is impacted: DPE-2 (480-138781-7).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-424528 recovered outside control limits for the following analytes: 2-Butanone (MEK), 2-Hexanone and Acetone. These analytes were biased high in the LCS and were not detected in the associated sample; therefore, the data have been reported. The following sample is impacted: DPE-2 (480-138781-7).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-424720 recovered above the upper control limit for Vinyl chloride, 2-Hexanone, Cyclohexane, Acetone, Chloromethane, 4-Methyl-2-pentanone (MIBK), Trichlorofluoromethane and 2-Butanone (MEK). The samples associated with this CCV were non-detects above the reporting limit (RL) for the affected analytes; therefore, the data have been reported. The following samples are impacted: Trip-0712-18 (480-138781-5) and DPE-1 (480-138781-6).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-424720 recovered outside control limits for the following analytes: 2-Hexanone, Acetone, Chloroethane, chloromethane and 2-Butanone (MEK). These analytes were biased high in the LCS and were not detected above the reporting limit (RL) in the associated samples; therefore, the data have been reported. The following samples are impacted: Trip-0712-18 (480-138781-5) and DPE-1 (480-138781-6).

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: DPE-1 (480-138781-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-424746 recovered above the upper control limit for 2-Hexanone, Acetone, Chloromethane and 2-Butanone (MEK). The samples associated with this CCV were non-detects above the reporting limit (RL) for the affected analytes; therefore, the data have been reported. The following samples are impacted: DPE-3 (480-138781-8), DPE-4 (480-138781-9), DPE-7 (480-138781-11) and MW-11 (480-138781-12).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-424746 recovered outside control limits for the following analytes: 2-Hexanone, Acetone and 2-Butanone (MEK). These analytes were biased high in the LCS and were not detected above the reporting limit (RL) in the associated samples; therefore, the data have been reported. The following samples are impacted: DPE-3 (480-138781-8), DPE-4 (480-138781-9), DPE-7 (480-138781-11) and MW-11 (480-138781-12).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: DPE-3 (480-138781-8), DPE-4 (480-138781-9) and DPE-7 (480-138781-11). 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: DPE-4 (480-138781-9) and DPE-5 (480-138781-10). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis:

MW-12 (480-138931-7). 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: MW-4 (480-138931-3), MW-13S (480-138931-6) and MW-16S (480-138931-8). 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: Duplicate (480-138931-9). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-8R (480-138931-10), (480-138931-B-10 MS) and (480-138931-B-10 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 480-425707 was outside control limits.

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

Sample Summary

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-138781-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-138781-1	Rinse Blank	Water	07/12/18 13:40	07/12/18 16:15
480-138781-2	DPE-6	Water	07/12/18 13:10	07/12/18 16:15
480-138781-3	DPE-8	Water	07/12/18 12:55	07/12/18 16:15
480-138781-4	GWCT	Water	07/12/18 11:55	07/12/18 16:15
480-138781-5	Trip-0712-18	Water	07/12/18 00:00	07/12/18 16:15
480-138781-6	DPE-1	Water	07/12/18 12:15	07/12/18 16:15
480-138781-7	DPE-2	Water	07/12/18 12:40	07/12/18 16:15
480-138781-8	DPE-3	Water	07/12/18 12:45	07/12/18 16:15
480-138781-9	DPE-4	Water	07/12/18 12:30	07/12/18 16:15
480-138781-10	DPE-5	Water	07/12/18 12:25	07/12/18 16:15
480-138781-11	DPE-7	Water	07/12/18 12:50	07/12/18 16:15
480-138781-12	MW-11	Water	07/12/18 14:55	07/12/18 16:15
480-138931-1	MW-2	Water	07/13/18 08:45	07/13/18 16:15
480-138931-2	MW-3	Water	07/13/18 09:15	07/13/18 16:15
480-138931-3	MW-4	Water	07/13/18 13:05	07/13/18 16:15
480-138931-4	Trip Blank - 071318	Water	07/13/18 00:00	07/13/18 16:15
480-138931-5	MW-10	Water	07/13/18 10:35	07/13/18 16:15
480-138931-6	MW-13S	Water	07/13/18 12:20	07/13/18 16:15
480-138931-7	MW-12	Water	07/13/18 09:50	07/13/18 16:15
480-138931-8	MW-16S	Water	07/13/18 14:20	07/13/18 16:15
480-138931-9	Duplicate	Water	07/13/18 12:30	07/13/18 16:15
480-138931-10	MW-8R	Water	07/13/18 14:15	07/13/18 16:15
480-138931-11	MW-16D	Water	07/13/18 15:15	07/13/18 16:15
480-138931-12	MW-13D	Water	07/13/18 12:15	07/13/18 16:15

Detection Summary

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: Rinse Blank

Lab Sample ID: 480-138781-1

No Detections.

Client Sample ID: DPE-6

Lab Sample ID: 480-138781-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	62		1.0	0.38	ug/L	1			8260C	Total/NA
1,1-Dichloroethene	0.94	J	1.0	0.29	ug/L	1			8260C	Total/NA
Acetone	9.5	J	10	3.0	ug/L	1			8260C	Total/NA
cis-1,2-Dichloroethene	54		1.0	0.81	ug/L	1			8260C	Total/NA
Toluene	1.0		1.0	0.51	ug/L	1			8260C	Total/NA
Trichloroethene	16		1.0	0.46	ug/L	1			8260C	Total/NA
Vinyl chloride	33		1.0	0.90	ug/L	1			8260C	Total/NA

Client Sample ID: DPE-8

Lab Sample ID: 480-138781-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1,1-Trichloroethane	30		20	16	ug/L	20			8260C	Total/NA
1,1-Dichloroethane	28		20	7.6	ug/L	20			8260C	Total/NA
cis-1,2-Dichloroethene	1000		20	16	ug/L	20			8260C	Total/NA
Trichloroethene	40		20	9.2	ug/L	20			8260C	Total/NA
Vinyl chloride	120		20	18	ug/L	20			8260C	Total/NA

Client Sample ID: GWCT

Lab Sample ID: 480-138781-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroethane	49		1.0	0.32	ug/L	1			8260C	Total/NA

Client Sample ID: Trip-0712-18

Lab Sample ID: 480-138781-5

No Detections.

Client Sample ID: DPE-1

Lab Sample ID: 480-138781-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	59	J *	100	30	ug/L	10			8260C	Total/NA

Client Sample ID: DPE-2

Lab Sample ID: 480-138781-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	0.49	J	1.0	0.38	ug/L	1			8260C	Total/NA
Chloroethane	2.7		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
Vinyl chloride	9.9		1.0	0.90	ug/L	1			8260C	Total/NA

Client Sample ID: DPE-3

Lab Sample ID: 480-138781-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	15		10	3.8	ug/L	10			8260C	Total/NA
1,1-Dichloroethene	3.5	J	10	2.9	ug/L	10			8260C	Total/NA
cis-1,2-Dichloroethene	740		10	8.1	ug/L	10			8260C	Total/NA
Trichloroethene	31		10	4.6	ug/L	10			8260C	Total/NA
Vinyl chloride	360		10	9.0	ug/L	10			8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-4

Lab Sample ID: 480-138781-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	8.4	J	10	3.8	ug/L	10		8260C	Total/NA
1,1-Dichloroethene	7.0	J	10	2.9	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	2400	E	10	8.1	ug/L	10		8260C	Total/NA
Trichloroethene	34		10	4.6	ug/L	10		8260C	Total/NA
Vinyl chloride	810		10	9.0	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene - DL	2600		50	41	ug/L	50		8260C	Total/NA
Trichloroethene - DL	31	J	50	23	ug/L	50		8260C	Total/NA
Vinyl chloride - DL	760		50	45	ug/L	50		8260C	Total/NA

Client Sample ID: DPE-5

Lab Sample ID: 480-138781-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	87		50	19	ug/L	50		8260C	Total/NA
Chloroethane	100		50	16	ug/L	50		8260C	Total/NA
cis-1,2-Dichloroethene	2100		50	41	ug/L	50		8260C	Total/NA
Vinyl chloride	1700		50	45	ug/L	50		8260C	Total/NA

Client Sample ID: DPE-7

Lab Sample ID: 480-138781-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	28		10	3.8	ug/L	10		8260C	Total/NA
2-Butanone (MEK)	50	J *	100	13	ug/L	10		8260C	Total/NA
Acetone	37	J *	100	30	ug/L	10		8260C	Total/NA
Chloroethane	320		10	3.2	ug/L	10		8260C	Total/NA
Vinyl chloride	130		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: MW-11

Lab Sample ID: 480-138781-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.68	J	1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	3.2	J *	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.6		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	1.6		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW-2

Lab Sample ID: 480-138931-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	1.2		1.0	0.32	ug/L	1		8260C	Total/NA

Client Sample ID: MW-3

Lab Sample ID: 480-138931-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	11		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.2		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	28		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW-4

Lab Sample ID: 480-138931-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.5	J	5.0	1.9	ug/L	5		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-4 (Continued)

Lab Sample ID: 480-138931-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	80		50	6.6	ug/L	5		8260C	Total/NA
Acetone	18	J	50	15	ug/L	5		8260C	Total/NA
Benzene	3.7	J	5.0	2.1	ug/L	5		8260C	Total/NA
Chloroethane	490		5.0	1.6	ug/L	5		8260C	Total/NA
Toluene	16		5.0	2.6	ug/L	5		8260C	Total/NA
trans-1,2-Dichloroethene	18		5.0	4.5	ug/L	5		8260C	Total/NA
Vinyl chloride	37		5.0	4.5	ug/L	5		8260C	Total/NA

Client Sample ID: Trip Blank - 071318

Lab Sample ID: 480-138931-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromodichloromethane	0.51	J	1.0	0.39	ug/L	1		8260C	Total/NA
Chloroform	4.7		1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: MW-10

Lab Sample ID: 480-138931-5

No Detections.

Client Sample ID: MW-13S

Lab Sample ID: 480-138931-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	15	J	40	15	ug/L	40		8260C	Total/NA
cis-1,2-Dichloroethene	1500		40	32	ug/L	40		8260C	Total/NA
Vinyl chloride	880		40	36	ug/L	40		8260C	Total/NA

Client Sample ID: MW-12

Lab Sample ID: 480-138931-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	9.1		5.0	1.6	ug/L	5		8260C	Total/NA
Vinyl chloride	6.1		5.0	4.5	ug/L	5		8260C	Total/NA

Client Sample ID: MW-16S

Lab Sample ID: 480-138931-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	880	J	1000	380	ug/L	1000		8260C	Total/NA
1,1-Dichloroethene	560	J	1000	290	ug/L	1000		8260C	Total/NA
cis-1,2-Dichloroethene	93000		1000	810	ug/L	1000		8260C	Total/NA
Vinyl chloride	91000		1000	900	ug/L	1000		8260C	Total/NA

Client Sample ID: Duplicate

Lab Sample ID: 480-138931-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.4		1.0	0.38	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.44	J	1.0	0.21	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	99		10	1.3	ug/L	1		8260C	Total/NA
2-Hexanone	1.2	J	5.0	1.2	ug/L	1		8260C	Total/NA
Acetone	35		10	3.0	ug/L	1		8260C	Total/NA
Benzene	3.7		1.0	0.41	ug/L	1		8260C	Total/NA
Chloroethane	530	E	1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.2		1.0	0.81	ug/L	1		8260C	Total/NA
Toluene	16		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
Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-138781-1

Client Sample ID: Duplicate (Continued)

Lab Sample ID: 480-138931-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	18		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	1.0		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	36		1.0	0.90	ug/L	1		8260C	Total/NA
2-Butanone (MEK) - DL	110		100	13	ug/L	10		8260C	Total/NA
Acetone - DL	44	J	100	30	ug/L	10		8260C	Total/NA
Benzene - DL	4.2	J	10	4.1	ug/L	10		8260C	Total/NA
Chloroethane - DL	630		10	3.2	ug/L	10		8260C	Total/NA
Toluene - DL	18		10	5.1	ug/L	10		8260C	Total/NA
trans-1,2-Dichloroethene - DL	21		10	9.0	ug/L	10		8260C	Total/NA
Vinyl chloride - DL	39		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: MW-8R

Lab Sample ID: 480-138931-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	9.8	J F2 F1	10	3.8	ug/L	10		8260C	Total/NA
2-Butanone (MEK)	24	J F2	100	13	ug/L	10		8260C	Total/NA
Acetone	34	J F2	100	30	ug/L	10		8260C	Total/NA
Chloroethane	47		10	3.2	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	30	F2	10	8.1	ug/L	10		8260C	Total/NA
Toluene	33	F2 F1	10	5.1	ug/L	10		8260C	Total/NA
Vinyl chloride	190		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: MW-16D

Lab Sample ID: 480-138931-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.0		1.0	0.38	ug/L	1		8260C	Total/NA
Carbon disulfide	0.22	J	1.0	0.19	ug/L	1		8260C	Total/NA
Chloroethane	53		1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.3		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	22		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW-13D

Lab Sample ID: 480-138931-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.4	J	10	3.0	ug/L	1		8260C	Total/NA
Chloroethane	5.5		1.0	0.32	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Method Summary

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-138781-1

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

Protocol References:

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

Laboratory References:

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

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: Rinse Blank

Date Collected: 07/12/18 13:40

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-1

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			07/15/18 11:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/15/18 11:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/15/18 11:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/15/18 11:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/15/18 11:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/15/18 11:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/15/18 11:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/15/18 11:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/15/18 11:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/15/18 11:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/15/18 11:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/15/18 11:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/15/18 11:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/15/18 11:27	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			07/15/18 11:27	1
2-Hexanone	ND	*	5.0	1.2	ug/L			07/15/18 11:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/15/18 11:27	1
Acetone	ND	*	10	3.0	ug/L			07/15/18 11:27	1
Benzene	ND		1.0	0.41	ug/L			07/15/18 11:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/15/18 11:27	1
Bromoform	ND		1.0	0.26	ug/L			07/15/18 11:27	1
Bromomethane	ND		1.0	0.69	ug/L			07/15/18 11:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/15/18 11:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/15/18 11:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/15/18 11:27	1
Chloroethane	ND		1.0	0.32	ug/L			07/15/18 11:27	1
Chloroform	ND		1.0	0.34	ug/L			07/15/18 11:27	1
Chloromethane	ND		1.0	0.35	ug/L			07/15/18 11:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/15/18 11:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/15/18 11:27	1
Cyclohexane	ND		1.0	0.18	ug/L			07/15/18 11:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/15/18 11:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/15/18 11:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/15/18 11:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/15/18 11:27	1
Methyl acetate	ND		2.5	1.3	ug/L			07/15/18 11:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/15/18 11:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/15/18 11:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/15/18 11:27	1
Styrene	ND		1.0	0.73	ug/L			07/15/18 11:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/15/18 11:27	1
Toluene	ND		1.0	0.51	ug/L			07/15/18 11:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/15/18 11:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/15/18 11:27	1
Trichloroethene	ND		1.0	0.46	ug/L			07/15/18 11:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/15/18 11:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/15/18 11:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/15/18 11:27	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-138781-1

Client Sample ID: Rinse Blank

Date Collected: 07/12/18 13:40

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-1

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)	108		77 - 120		07/15/18 11:27	1
4-Bromofluorobenzene (Surr)	106		73 - 120		07/15/18 11:27	1
Toluene-d8 (Surr)	94		80 - 120		07/15/18 11:27	1
Dibromofluoromethane (Surr)	97		75 - 123		07/15/18 11:27	1

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-6

Date Collected: 07/12/18 13:10

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-2

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			07/19/18 02:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/19/18 02:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/19/18 02:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/19/18 02:42	1
1,1-Dichloroethane	62		1.0	0.38	ug/L			07/19/18 02:42	1
1,1-Dichloroethene	0.94	J	1.0	0.29	ug/L			07/19/18 02:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/19/18 02:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/19/18 02:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/19/18 02:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/19/18 02:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/19/18 02:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/19/18 02:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/19/18 02:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/19/18 02:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/19/18 02:42	1
2-Hexanone	ND		5.0	1.2	ug/L			07/19/18 02:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/19/18 02:42	1
Acetone	9.5	J	10	3.0	ug/L			07/19/18 02:42	1
Benzene	ND		1.0	0.41	ug/L			07/19/18 02:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/19/18 02:42	1
Bromoform	ND		1.0	0.26	ug/L			07/19/18 02:42	1
Bromomethane	ND		1.0	0.69	ug/L			07/19/18 02:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/19/18 02:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/19/18 02:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/19/18 02:42	1
Chloroethane	ND		1.0	0.32	ug/L			07/19/18 02:42	1
Chloroform	ND		1.0	0.34	ug/L			07/19/18 02:42	1
Chloromethane	ND		1.0	0.35	ug/L			07/19/18 02:42	1
cis-1,2-Dichloroethene	54		1.0	0.81	ug/L			07/19/18 02:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/19/18 02:42	1
Cyclohexane	ND		1.0	0.18	ug/L			07/19/18 02:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/19/18 02:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/19/18 02:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/19/18 02:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/19/18 02:42	1
Methyl acetate	ND		2.5	1.3	ug/L			07/19/18 02:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/19/18 02:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/19/18 02:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/19/18 02:42	1
Styrene	ND		1.0	0.73	ug/L			07/19/18 02:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/19/18 02:42	1
Toluene	1.0		1.0	0.51	ug/L			07/19/18 02:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/19/18 02:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/19/18 02:42	1
Trichloroethene	16		1.0	0.46	ug/L			07/19/18 02:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/19/18 02:42	1
Vinyl chloride	33		1.0	0.90	ug/L			07/19/18 02:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/19/18 02:42	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-6

Date Collected: 07/12/18 13:10

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-2

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)	95		77 - 120		07/19/18 02:42	1
4-Bromofluorobenzene (Surr)	98		73 - 120		07/19/18 02:42	1
Toluene-d8 (Surr)	92		80 - 120		07/19/18 02:42	1
Dibromofluoromethane (Surr)	100		75 - 123		07/19/18 02:42	1

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-8

Date Collected: 07/12/18 12:55

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-3

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	30		20	16	ug/L			07/15/18 11:54	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			07/15/18 11:54	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			07/15/18 11:54	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			07/15/18 11:54	20
1,1-Dichloroethane	28		20	7.6	ug/L			07/15/18 11:54	20
1,1-Dichloroethene	ND		20	5.8	ug/L			07/15/18 11:54	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			07/15/18 11:54	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			07/15/18 11:54	20
1,2-Dibromoethane	ND		20	15	ug/L			07/15/18 11:54	20
1,2-Dichlorobenzene	ND		20	16	ug/L			07/15/18 11:54	20
1,2-Dichloroethane	ND		20	4.2	ug/L			07/15/18 11:54	20
1,2-Dichloropropane	ND		20	14	ug/L			07/15/18 11:54	20
1,3-Dichlorobenzene	ND		20	16	ug/L			07/15/18 11:54	20
1,4-Dichlorobenzene	ND		20	17	ug/L			07/15/18 11:54	20
2-Butanone (MEK)	ND	*	200	26	ug/L			07/15/18 11:54	20
2-Hexanone	ND	*	100	25	ug/L			07/15/18 11:54	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			07/15/18 11:54	20
Acetone	ND	*	200	60	ug/L			07/15/18 11:54	20
Benzene	ND		20	8.2	ug/L			07/15/18 11:54	20
Bromodichloromethane	ND		20	7.8	ug/L			07/15/18 11:54	20
Bromoform	ND		20	5.2	ug/L			07/15/18 11:54	20
Bromomethane	ND		20	14	ug/L			07/15/18 11:54	20
Carbon disulfide	ND		20	3.8	ug/L			07/15/18 11:54	20
Carbon tetrachloride	ND		20	5.4	ug/L			07/15/18 11:54	20
Chlorobenzene	ND		20	15	ug/L			07/15/18 11:54	20
Chloroethane	ND		20	6.4	ug/L			07/15/18 11:54	20
Chloroform	ND		20	6.8	ug/L			07/15/18 11:54	20
Chloromethane	ND		20	7.0	ug/L			07/15/18 11:54	20
cis-1,2-Dichloroethene	1000		20	16	ug/L			07/15/18 11:54	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			07/15/18 11:54	20
Cyclohexane	ND		20	3.6	ug/L			07/15/18 11:54	20
Dibromochloromethane	ND		20	6.4	ug/L			07/15/18 11:54	20
Dichlorodifluoromethane	ND		20	14	ug/L			07/15/18 11:54	20
Ethylbenzene	ND		20	15	ug/L			07/15/18 11:54	20
Isopropylbenzene	ND		20	16	ug/L			07/15/18 11:54	20
Methyl acetate	ND		50	26	ug/L			07/15/18 11:54	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			07/15/18 11:54	20
Methylcyclohexane	ND		20	3.2	ug/L			07/15/18 11:54	20
Methylene Chloride	ND		20	8.8	ug/L			07/15/18 11:54	20
Styrene	ND		20	15	ug/L			07/15/18 11:54	20
Tetrachloroethene	ND		20	7.2	ug/L			07/15/18 11:54	20
Toluene	ND		20	10	ug/L			07/15/18 11:54	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			07/15/18 11:54	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			07/15/18 11:54	20
Trichloroethene	40		20	9.2	ug/L			07/15/18 11:54	20
Trichlorofluoromethane	ND		20	18	ug/L			07/15/18 11:54	20
Vinyl chloride	120		20	18	ug/L			07/15/18 11:54	20
Xylenes, Total	ND		40	13	ug/L			07/15/18 11:54	20

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-8
Date Collected: 07/12/18 12:55
Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-3
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		07/15/18 11:54	20
4-Bromofluorobenzene (Surr)	103		73 - 120		07/15/18 11:54	20
Toluene-d8 (Surr)	95		80 - 120		07/15/18 11:54	20
Dibromofluoromethane (Surr)	98		75 - 123		07/15/18 11:54	20

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: GWCT

Date Collected: 07/12/18 11:55

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-4

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			07/19/18 03:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/19/18 03:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/19/18 03:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/19/18 03:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/19/18 03:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/19/18 03:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/19/18 03:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/19/18 03:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/19/18 03:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/19/18 03:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/19/18 03:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/19/18 03:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/19/18 03:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/19/18 03:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/19/18 03:05	1
2-Hexanone	ND		5.0	1.2	ug/L			07/19/18 03:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/19/18 03:05	1
Acetone	ND		10	3.0	ug/L			07/19/18 03:05	1
Benzene	ND		1.0	0.41	ug/L			07/19/18 03:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/19/18 03:05	1
Bromoform	ND		1.0	0.26	ug/L			07/19/18 03:05	1
Bromomethane	ND		1.0	0.69	ug/L			07/19/18 03:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/19/18 03:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/19/18 03:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/19/18 03:05	1
Chloroethane	49		1.0	0.32	ug/L			07/19/18 03:05	1
Chloroform	ND		1.0	0.34	ug/L			07/19/18 03:05	1
Chloromethane	ND		1.0	0.35	ug/L			07/19/18 03:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/19/18 03:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/19/18 03:05	1
Cyclohexane	ND		1.0	0.18	ug/L			07/19/18 03:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/19/18 03:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/19/18 03:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/19/18 03:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/19/18 03:05	1
Methyl acetate	ND		2.5	1.3	ug/L			07/19/18 03:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/19/18 03:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/19/18 03:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/19/18 03:05	1
Styrene	ND		1.0	0.73	ug/L			07/19/18 03:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/19/18 03:05	1
Toluene	ND		1.0	0.51	ug/L			07/19/18 03:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/19/18 03:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/19/18 03:05	1
Trichloroethene	ND		1.0	0.46	ug/L			07/19/18 03:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/19/18 03:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/19/18 03:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/19/18 03:05	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: GWCT
Date Collected: 07/12/18 11:55
Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-4
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)	96		77 - 120		07/19/18 03:05	1
4-Bromofluorobenzene (Surr)	99		73 - 120		07/19/18 03:05	1
Toluene-d8 (Surr)	93		80 - 120		07/19/18 03:05	1
Dibromofluoromethane (Surr)	105		75 - 123		07/19/18 03:05	1

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: Trip-0712-18

Date Collected: 07/12/18 00:00

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-5

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			07/17/18 04:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/18 04:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/17/18 04:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/17/18 04:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/17/18 04:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/17/18 04:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/17/18 04:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/17/18 04:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/17/18 04:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/17/18 04:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/17/18 04:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/17/18 04:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/17/18 04:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/17/18 04:58	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			07/17/18 04:58	1
2-Hexanone	ND	*	5.0	1.2	ug/L			07/17/18 04:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/17/18 04:58	1
Acetone	ND	*	10	3.0	ug/L			07/17/18 04:58	1
Benzene	ND		1.0	0.41	ug/L			07/17/18 04:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/17/18 04:58	1
Bromoform	ND		1.0	0.26	ug/L			07/17/18 04:58	1
Bromomethane	ND		1.0	0.69	ug/L			07/17/18 04:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/17/18 04:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/17/18 04:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/17/18 04:58	1
Chloroethane	ND	*	1.0	0.32	ug/L			07/17/18 04:58	1
Chloroform	ND		1.0	0.34	ug/L			07/17/18 04:58	1
Chloromethane	ND	*	1.0	0.35	ug/L			07/17/18 04:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/17/18 04:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/17/18 04:58	1
Cyclohexane	ND		1.0	0.18	ug/L			07/17/18 04:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/17/18 04:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/17/18 04:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/17/18 04:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/17/18 04:58	1
Methyl acetate	ND		2.5	1.3	ug/L			07/17/18 04:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/17/18 04:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/17/18 04:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/17/18 04:58	1
Styrene	ND		1.0	0.73	ug/L			07/17/18 04:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/17/18 04:58	1
Toluene	ND		1.0	0.51	ug/L			07/17/18 04:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/17/18 04:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/17/18 04:58	1
Trichloroethene	ND		1.0	0.46	ug/L			07/17/18 04:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/17/18 04:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/17/18 04:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/17/18 04:58	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: Trip-0712-18

Date Collected: 07/12/18 00:00

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-5

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)	111		77 - 120		07/17/18 04:58	1
4-Bromofluorobenzene (Surr)	105		73 - 120		07/17/18 04:58	1
Toluene-d8 (Surr)	97		80 - 120		07/17/18 04:58	1
Dibromofluoromethane (Surr)	105		75 - 123		07/17/18 04:58	1

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-1

Date Collected: 07/12/18 12:15

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-6

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		10	8.2	ug/L			07/17/18 05:26	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			07/17/18 05:26	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			07/17/18 05:26	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			07/17/18 05:26	10
1,1-Dichloroethane	ND		10	3.8	ug/L			07/17/18 05:26	10
1,1-Dichloroethene	ND		10	2.9	ug/L			07/17/18 05:26	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			07/17/18 05:26	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			07/17/18 05:26	10
1,2-Dibromoethane	ND		10	7.3	ug/L			07/17/18 05:26	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			07/17/18 05:26	10
1,2-Dichloroethane	ND		10	2.1	ug/L			07/17/18 05:26	10
1,2-Dichloropropane	ND		10	7.2	ug/L			07/17/18 05:26	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			07/17/18 05:26	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			07/17/18 05:26	10
2-Butanone (MEK)	ND	*	100	13	ug/L			07/17/18 05:26	10
2-Hexanone	ND	*	50	12	ug/L			07/17/18 05:26	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			07/17/18 05:26	10
Acetone	59	J *	100	30	ug/L			07/17/18 05:26	10
Benzene	ND		10	4.1	ug/L			07/17/18 05:26	10
Bromodichloromethane	ND		10	3.9	ug/L			07/17/18 05:26	10
Bromoform	ND		10	2.6	ug/L			07/17/18 05:26	10
Bromomethane	ND		10	6.9	ug/L			07/17/18 05:26	10
Carbon disulfide	ND		10	1.9	ug/L			07/17/18 05:26	10
Carbon tetrachloride	ND		10	2.7	ug/L			07/17/18 05:26	10
Chlorobenzene	ND		10	7.5	ug/L			07/17/18 05:26	10
Chloroethane	ND	*	10	3.2	ug/L			07/17/18 05:26	10
Chloroform	ND		10	3.4	ug/L			07/17/18 05:26	10
Chloromethane	ND	*	10	3.5	ug/L			07/17/18 05:26	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			07/17/18 05:26	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			07/17/18 05:26	10
Cyclohexane	ND		10	1.8	ug/L			07/17/18 05:26	10
Dibromochloromethane	ND		10	3.2	ug/L			07/17/18 05:26	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			07/17/18 05:26	10
Ethylbenzene	ND		10	7.4	ug/L			07/17/18 05:26	10
Isopropylbenzene	ND		10	7.9	ug/L			07/17/18 05:26	10
Methyl acetate	ND		25	13	ug/L			07/17/18 05:26	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			07/17/18 05:26	10
Methylcyclohexane	ND		10	1.6	ug/L			07/17/18 05:26	10
Methylene Chloride	ND		10	4.4	ug/L			07/17/18 05:26	10
Styrene	ND		10	7.3	ug/L			07/17/18 05:26	10
Tetrachloroethene	ND		10	3.6	ug/L			07/17/18 05:26	10
Toluene	ND		10	5.1	ug/L			07/17/18 05:26	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			07/17/18 05:26	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			07/17/18 05:26	10
Trichloroethene	ND		10	4.6	ug/L			07/17/18 05:26	10
Trichlorofluoromethane	ND		10	8.8	ug/L			07/17/18 05:26	10
Vinyl chloride	ND		10	9.0	ug/L			07/17/18 05:26	10
Xylenes, Total	ND		20	6.6	ug/L			07/17/18 05:26	10

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-1

Date Collected: 07/12/18 12:15

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-6

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)	114		77 - 120		07/17/18 05:26	10
4-Bromofluorobenzene (Surr)	101		73 - 120		07/17/18 05:26	10
Toluene-d8 (Surr)	95		80 - 120		07/17/18 05:26	10
Dibromofluoromethane (Surr)	105		75 - 123		07/17/18 05:26	10

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-2

Date Collected: 07/12/18 12:40

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-7

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		1.0	0.82	ug/L			07/16/18 10:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/16/18 10:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/16/18 10:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/16/18 10:53	1
1,1-Dichloroethane	0.49	J	1.0	0.38	ug/L			07/16/18 10:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/16/18 10:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/16/18 10:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/16/18 10:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/16/18 10:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/16/18 10:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/16/18 10:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/16/18 10:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/16/18 10:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/16/18 10:53	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			07/16/18 10:53	1
2-Hexanone	ND	*	5.0	1.2	ug/L			07/16/18 10:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/16/18 10:53	1
Acetone	ND	*	10	3.0	ug/L			07/16/18 10:53	1
Benzene	ND		1.0	0.41	ug/L			07/16/18 10:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/16/18 10:53	1
Bromoform	ND		1.0	0.26	ug/L			07/16/18 10:53	1
Bromomethane	ND		1.0	0.69	ug/L			07/16/18 10:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/16/18 10:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/16/18 10:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/16/18 10:53	1
Chloroethane	2.7		1.0	0.32	ug/L			07/16/18 10:53	1
Chloroform	ND		1.0	0.34	ug/L			07/16/18 10:53	1
Chloromethane	ND	*	1.0	0.35	ug/L			07/16/18 10:53	1
cis-1,2-Dichloroethene	1.1		1.0	0.81	ug/L			07/16/18 10:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/16/18 10:53	1
Cyclohexane	ND		1.0	0.18	ug/L			07/16/18 10:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/16/18 10:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/16/18 10:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/16/18 10:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/16/18 10:53	1
Methyl acetate	ND		2.5	1.3	ug/L			07/16/18 10:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/16/18 10:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/16/18 10:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/16/18 10:53	1
Styrene	ND		1.0	0.73	ug/L			07/16/18 10:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/16/18 10:53	1
Toluene	ND		1.0	0.51	ug/L			07/16/18 10:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/16/18 10:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/16/18 10:53	1
Trichloroethene	ND		1.0	0.46	ug/L			07/16/18 10:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/16/18 10:53	1
Vinyl chloride	9.9		1.0	0.90	ug/L			07/16/18 10:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/16/18 10:53	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-2

Date Collected: 07/12/18 12:40

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-7

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)	117		77 - 120		07/16/18 10:53	1
4-Bromofluorobenzene (Surr)	102		73 - 120		07/16/18 10:53	1
Toluene-d8 (Surr)	92		80 - 120		07/16/18 10:53	1
Dibromofluoromethane (Surr)	105		75 - 123		07/16/18 10:53	1

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-3

Date Collected: 07/12/18 12:45

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-8

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		10	8.2	ug/L			07/17/18 11:57	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			07/17/18 11:57	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			07/17/18 11:57	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			07/17/18 11:57	10
1,1-Dichloroethane	15		10	3.8	ug/L			07/17/18 11:57	10
1,1-Dichloroethene	3.5	J	10	2.9	ug/L			07/17/18 11:57	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			07/17/18 11:57	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			07/17/18 11:57	10
1,2-Dibromoethane	ND		10	7.3	ug/L			07/17/18 11:57	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			07/17/18 11:57	10
1,2-Dichloroethane	ND		10	2.1	ug/L			07/17/18 11:57	10
1,2-Dichloropropane	ND		10	7.2	ug/L			07/17/18 11:57	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			07/17/18 11:57	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			07/17/18 11:57	10
2-Butanone (MEK)	ND	*	100	13	ug/L			07/17/18 11:57	10
2-Hexanone	ND	*	50	12	ug/L			07/17/18 11:57	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			07/17/18 11:57	10
Acetone	ND	*	100	30	ug/L			07/17/18 11:57	10
Benzene	ND		10	4.1	ug/L			07/17/18 11:57	10
Bromodichloromethane	ND		10	3.9	ug/L			07/17/18 11:57	10
Bromoform	ND		10	2.6	ug/L			07/17/18 11:57	10
Bromomethane	ND		10	6.9	ug/L			07/17/18 11:57	10
Carbon disulfide	ND		10	1.9	ug/L			07/17/18 11:57	10
Carbon tetrachloride	ND		10	2.7	ug/L			07/17/18 11:57	10
Chlorobenzene	ND		10	7.5	ug/L			07/17/18 11:57	10
Chloroethane	ND		10	3.2	ug/L			07/17/18 11:57	10
Chloroform	ND		10	3.4	ug/L			07/17/18 11:57	10
Chloromethane	ND		10	3.5	ug/L			07/17/18 11:57	10
cis-1,2-Dichloroethene	740		10	8.1	ug/L			07/17/18 11:57	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			07/17/18 11:57	10
Cyclohexane	ND		10	1.8	ug/L			07/17/18 11:57	10
Dibromochloromethane	ND		10	3.2	ug/L			07/17/18 11:57	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			07/17/18 11:57	10
Ethylbenzene	ND		10	7.4	ug/L			07/17/18 11:57	10
Isopropylbenzene	ND		10	7.9	ug/L			07/17/18 11:57	10
Methyl acetate	ND		25	13	ug/L			07/17/18 11:57	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			07/17/18 11:57	10
Methylcyclohexane	ND		10	1.6	ug/L			07/17/18 11:57	10
Methylene Chloride	ND		10	4.4	ug/L			07/17/18 11:57	10
Styrene	ND		10	7.3	ug/L			07/17/18 11:57	10
Tetrachloroethene	ND		10	3.6	ug/L			07/17/18 11:57	10
Toluene	ND		10	5.1	ug/L			07/17/18 11:57	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			07/17/18 11:57	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			07/17/18 11:57	10
Trichloroethene	31		10	4.6	ug/L			07/17/18 11:57	10
Trichlorofluoromethane	ND		10	8.8	ug/L			07/17/18 11:57	10
Vinyl chloride	360		10	9.0	ug/L			07/17/18 11:57	10
Xylenes, Total	ND		20	6.6	ug/L			07/17/18 11:57	10

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-3

Date Collected: 07/12/18 12:45

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-8

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)	112		77 - 120		07/17/18 11:57	10
4-Bromofluorobenzene (Surr)	103		73 - 120		07/17/18 11:57	10
Toluene-d8 (Surr)	97		80 - 120		07/17/18 11:57	10
Dibromofluoromethane (Surr)	102		75 - 123		07/17/18 11:57	10

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-4

Date Collected: 07/12/18 12:30

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-9

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		10	8.2	ug/L			07/17/18 12:24	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			07/17/18 12:24	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			07/17/18 12:24	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			07/17/18 12:24	10
1,1-Dichloroethane	8.4	J	10	3.8	ug/L			07/17/18 12:24	10
1,1-Dichloroethene	7.0	J	10	2.9	ug/L			07/17/18 12:24	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			07/17/18 12:24	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			07/17/18 12:24	10
1,2-Dibromoethane	ND		10	7.3	ug/L			07/17/18 12:24	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			07/17/18 12:24	10
1,2-Dichloroethane	ND		10	2.1	ug/L			07/17/18 12:24	10
1,2-Dichloropropane	ND		10	7.2	ug/L			07/17/18 12:24	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			07/17/18 12:24	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			07/17/18 12:24	10
2-Butanone (MEK)	ND	*	100	13	ug/L			07/17/18 12:24	10
2-Hexanone	ND	*	50	12	ug/L			07/17/18 12:24	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			07/17/18 12:24	10
Acetone	ND	*	100	30	ug/L			07/17/18 12:24	10
Benzene	ND		10	4.1	ug/L			07/17/18 12:24	10
Bromodichloromethane	ND		10	3.9	ug/L			07/17/18 12:24	10
Bromoform	ND		10	2.6	ug/L			07/17/18 12:24	10
Bromomethane	ND		10	6.9	ug/L			07/17/18 12:24	10
Carbon disulfide	ND		10	1.9	ug/L			07/17/18 12:24	10
Carbon tetrachloride	ND		10	2.7	ug/L			07/17/18 12:24	10
Chlorobenzene	ND		10	7.5	ug/L			07/17/18 12:24	10
Chloroethane	ND		10	3.2	ug/L			07/17/18 12:24	10
Chloroform	ND		10	3.4	ug/L			07/17/18 12:24	10
Chloromethane	ND		10	3.5	ug/L			07/17/18 12:24	10
cis-1,2-Dichloroethene	2400	E	10	8.1	ug/L			07/17/18 12:24	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			07/17/18 12:24	10
Cyclohexane	ND		10	1.8	ug/L			07/17/18 12:24	10
Dibromochloromethane	ND		10	3.2	ug/L			07/17/18 12:24	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			07/17/18 12:24	10
Ethylbenzene	ND		10	7.4	ug/L			07/17/18 12:24	10
Isopropylbenzene	ND		10	7.9	ug/L			07/17/18 12:24	10
Methyl acetate	ND		25	13	ug/L			07/17/18 12:24	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			07/17/18 12:24	10
Methylcyclohexane	ND		10	1.6	ug/L			07/17/18 12:24	10
Methylene Chloride	ND		10	4.4	ug/L			07/17/18 12:24	10
Styrene	ND		10	7.3	ug/L			07/17/18 12:24	10
Tetrachloroethene	ND		10	3.6	ug/L			07/17/18 12:24	10
Toluene	ND		10	5.1	ug/L			07/17/18 12:24	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			07/17/18 12:24	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			07/17/18 12:24	10
Trichloroethene	34		10	4.6	ug/L			07/17/18 12:24	10
Trichlorofluoromethane	ND		10	8.8	ug/L			07/17/18 12:24	10
Vinyl chloride	810		10	9.0	ug/L			07/17/18 12:24	10
Xylenes, Total	ND		20	6.6	ug/L			07/17/18 12:24	10

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-4

Date Collected: 07/12/18 12:30

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-9

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		07/17/18 12:24	10
4-Bromofluorobenzene (Surr)	103		73 - 120		07/17/18 12:24	10
Toluene-d8 (Surr)	96		80 - 120		07/17/18 12:24	10
Dibromofluoromethane (Surr)	101		75 - 123		07/17/18 12:24	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			07/18/18 13:44	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			07/18/18 13:44	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			07/18/18 13:44	50
1,1,2-Trichloroethane	ND		50	12	ug/L			07/18/18 13:44	50
1,1-Dichloroethane	ND		50	19	ug/L			07/18/18 13:44	50
1,1-Dichloroethene	ND		50	15	ug/L			07/18/18 13:44	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			07/18/18 13:44	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			07/18/18 13:44	50
1,2-Dibromoethane	ND		50	37	ug/L			07/18/18 13:44	50
1,2-Dichlorobenzene	ND		50	40	ug/L			07/18/18 13:44	50
1,2-Dichloroethane	ND		50	11	ug/L			07/18/18 13:44	50
1,2-Dichloropropane	ND		50	36	ug/L			07/18/18 13:44	50
1,3-Dichlorobenzene	ND		50	39	ug/L			07/18/18 13:44	50
1,4-Dichlorobenzene	ND		50	42	ug/L			07/18/18 13:44	50
2-Butanone (MEK)	ND		500	66	ug/L			07/18/18 13:44	50
2-Hexanone	ND		250	62	ug/L			07/18/18 13:44	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			07/18/18 13:44	50
Acetone	ND		500	150	ug/L			07/18/18 13:44	50
Benzene	ND		50	21	ug/L			07/18/18 13:44	50
Bromodichloromethane	ND		50	20	ug/L			07/18/18 13:44	50
Bromoform	ND		50	13	ug/L			07/18/18 13:44	50
Bromomethane	ND		50	35	ug/L			07/18/18 13:44	50
Carbon disulfide	ND		50	9.5	ug/L			07/18/18 13:44	50
Carbon tetrachloride	ND		50	14	ug/L			07/18/18 13:44	50
Chlorobenzene	ND		50	38	ug/L			07/18/18 13:44	50
Chloroethane	ND		50	16	ug/L			07/18/18 13:44	50
Chloroform	ND		50	17	ug/L			07/18/18 13:44	50
Chloromethane	ND		50	18	ug/L			07/18/18 13:44	50
cis-1,2-Dichloroethene	2600		50	41	ug/L			07/18/18 13:44	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			07/18/18 13:44	50
Cyclohexane	ND		50	9.0	ug/L			07/18/18 13:44	50
Dibromochloromethane	ND		50	16	ug/L			07/18/18 13:44	50
Dichlorodifluoromethane	ND		50	34	ug/L			07/18/18 13:44	50
Ethylbenzene	ND		50	37	ug/L			07/18/18 13:44	50
Isopropylbenzene	ND		50	40	ug/L			07/18/18 13:44	50
Methyl acetate	ND		130	65	ug/L			07/18/18 13:44	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			07/18/18 13:44	50
Methylcyclohexane	ND		50	8.0	ug/L			07/18/18 13:44	50
Methylene Chloride	ND		50	22	ug/L			07/18/18 13:44	50
Styrene	ND		50	37	ug/L			07/18/18 13:44	50
Tetrachloroethene	ND		50	18	ug/L			07/18/18 13:44	50
Toluene	ND		50	26	ug/L			07/18/18 13:44	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			07/18/18 13:44	50

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-4

Date Collected: 07/12/18 12:30

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-9

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		50	19	ug/L			07/18/18 13:44	50
Trichloroethene	31	J	50	23	ug/L			07/18/18 13:44	50
Trichlorofluoromethane	ND		50	44	ug/L			07/18/18 13:44	50
Vinyl chloride	760		50	45	ug/L			07/18/18 13:44	50
Xylenes, Total	ND		100	33	ug/L			07/18/18 13:44	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		07/18/18 13:44	50
4-Bromofluorobenzene (Surr)	100		73 - 120		07/18/18 13:44	50
Toluene-d8 (Surr)	91		80 - 120		07/18/18 13:44	50
Dibromofluoromethane (Surr)	100		75 - 123		07/18/18 13:44	50

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-5

Date Collected: 07/12/18 12:25

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-10

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			07/18/18 14:08	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			07/18/18 14:08	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			07/18/18 14:08	50
1,1,2-Trichloroethane	ND		50	12	ug/L			07/18/18 14:08	50
1,1-Dichloroethane	87		50	19	ug/L			07/18/18 14:08	50
1,1-Dichloroethene	ND		50	15	ug/L			07/18/18 14:08	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			07/18/18 14:08	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			07/18/18 14:08	50
1,2-Dibromoethane	ND		50	37	ug/L			07/18/18 14:08	50
1,2-Dichlorobenzene	ND		50	40	ug/L			07/18/18 14:08	50
1,2-Dichloroethane	ND		50	11	ug/L			07/18/18 14:08	50
1,2-Dichloropropane	ND		50	36	ug/L			07/18/18 14:08	50
1,3-Dichlorobenzene	ND		50	39	ug/L			07/18/18 14:08	50
1,4-Dichlorobenzene	ND		50	42	ug/L			07/18/18 14:08	50
2-Butanone (MEK)	ND		500	66	ug/L			07/18/18 14:08	50
2-Hexanone	ND		250	62	ug/L			07/18/18 14:08	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			07/18/18 14:08	50
Acetone	ND		500	150	ug/L			07/18/18 14:08	50
Benzene	ND		50	21	ug/L			07/18/18 14:08	50
Bromodichloromethane	ND		50	20	ug/L			07/18/18 14:08	50
Bromoform	ND		50	13	ug/L			07/18/18 14:08	50
Bromomethane	ND		50	35	ug/L			07/18/18 14:08	50
Carbon disulfide	ND		50	9.5	ug/L			07/18/18 14:08	50
Carbon tetrachloride	ND		50	14	ug/L			07/18/18 14:08	50
Chlorobenzene	ND		50	38	ug/L			07/18/18 14:08	50
Chloroethane	100		50	16	ug/L			07/18/18 14:08	50
Chloroform	ND		50	17	ug/L			07/18/18 14:08	50
Chloromethane	ND		50	18	ug/L			07/18/18 14:08	50
cis-1,2-Dichloroethene	2100		50	41	ug/L			07/18/18 14:08	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			07/18/18 14:08	50
Cyclohexane	ND		50	9.0	ug/L			07/18/18 14:08	50
Dibromochloromethane	ND		50	16	ug/L			07/18/18 14:08	50
Dichlorodifluoromethane	ND		50	34	ug/L			07/18/18 14:08	50
Ethylbenzene	ND		50	37	ug/L			07/18/18 14:08	50
Isopropylbenzene	ND		50	40	ug/L			07/18/18 14:08	50
Methyl acetate	ND		130	65	ug/L			07/18/18 14:08	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			07/18/18 14:08	50
Methylcyclohexane	ND		50	8.0	ug/L			07/18/18 14:08	50
Methylene Chloride	ND		50	22	ug/L			07/18/18 14:08	50
Styrene	ND		50	37	ug/L			07/18/18 14:08	50
Tetrachloroethene	ND		50	18	ug/L			07/18/18 14:08	50
Toluene	ND		50	26	ug/L			07/18/18 14:08	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			07/18/18 14:08	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			07/18/18 14:08	50
Trichloroethene	ND		50	23	ug/L			07/18/18 14:08	50
Trichlorofluoromethane	ND		50	44	ug/L			07/18/18 14:08	50
Vinyl chloride	1700		50	45	ug/L			07/18/18 14:08	50
Xylenes, Total	ND		100	33	ug/L			07/18/18 14:08	50

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-5

Date Collected: 07/12/18 12:25

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-10

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		07/18/18 14:08	50
4-Bromofluorobenzene (Surr)	96		73 - 120		07/18/18 14:08	50
Toluene-d8 (Surr)	90		80 - 120		07/18/18 14:08	50
Dibromofluoromethane (Surr)	102		75 - 123		07/18/18 14:08	50

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-7

Date Collected: 07/12/18 12:50

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-11

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			07/17/18 13:19	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			07/17/18 13:19	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			07/17/18 13:19	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			07/17/18 13:19	10
1,1-Dichloroethane	28		10	3.8	ug/L			07/17/18 13:19	10
1,1-Dichloroethene	ND		10	2.9	ug/L			07/17/18 13:19	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			07/17/18 13:19	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			07/17/18 13:19	10
1,2-Dibromoethane	ND		10	7.3	ug/L			07/17/18 13:19	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			07/17/18 13:19	10
1,2-Dichloroethane	ND		10	2.1	ug/L			07/17/18 13:19	10
1,2-Dichloropropane	ND		10	7.2	ug/L			07/17/18 13:19	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			07/17/18 13:19	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			07/17/18 13:19	10
2-Butanone (MEK)	50	J *	100	13	ug/L			07/17/18 13:19	10
2-Hexanone	ND	*	50	12	ug/L			07/17/18 13:19	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			07/17/18 13:19	10
Acetone	37	J *	100	30	ug/L			07/17/18 13:19	10
Benzene	ND		10	4.1	ug/L			07/17/18 13:19	10
Bromodichloromethane	ND		10	3.9	ug/L			07/17/18 13:19	10
Bromoform	ND		10	2.6	ug/L			07/17/18 13:19	10
Bromomethane	ND		10	6.9	ug/L			07/17/18 13:19	10
Carbon disulfide	ND		10	1.9	ug/L			07/17/18 13:19	10
Carbon tetrachloride	ND		10	2.7	ug/L			07/17/18 13:19	10
Chlorobenzene	ND		10	7.5	ug/L			07/17/18 13:19	10
Chloroethane	320		10	3.2	ug/L			07/17/18 13:19	10
Chloroform	ND		10	3.4	ug/L			07/17/18 13:19	10
Chloromethane	ND		10	3.5	ug/L			07/17/18 13:19	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			07/17/18 13:19	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			07/17/18 13:19	10
Cyclohexane	ND		10	1.8	ug/L			07/17/18 13:19	10
Dibromochloromethane	ND		10	3.2	ug/L			07/17/18 13:19	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			07/17/18 13:19	10
Ethylbenzene	ND		10	7.4	ug/L			07/17/18 13:19	10
Isopropylbenzene	ND		10	7.9	ug/L			07/17/18 13:19	10
Methyl acetate	ND		25	13	ug/L			07/17/18 13:19	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			07/17/18 13:19	10
Methylcyclohexane	ND		10	1.6	ug/L			07/17/18 13:19	10
Methylene Chloride	ND		10	4.4	ug/L			07/17/18 13:19	10
Styrene	ND		10	7.3	ug/L			07/17/18 13:19	10
Tetrachloroethene	ND		10	3.6	ug/L			07/17/18 13:19	10
Toluene	ND		10	5.1	ug/L			07/17/18 13:19	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			07/17/18 13:19	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			07/17/18 13:19	10
Trichloroethene	ND		10	4.6	ug/L			07/17/18 13:19	10
Trichlorofluoromethane	ND		10	8.8	ug/L			07/17/18 13:19	10
Vinyl chloride	130		10	9.0	ug/L			07/17/18 13:19	10
Xylenes, Total	ND		20	6.6	ug/L			07/17/18 13:19	10

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-7

Date Collected: 07/12/18 12:50

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-11

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		07/17/18 13:19	10
4-Bromofluorobenzene (Surr)	105		73 - 120		07/17/18 13:19	10
Toluene-d8 (Surr)	91		80 - 120		07/17/18 13:19	10
Dibromofluoromethane (Surr)	103		75 - 123		07/17/18 13:19	10

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-11

Date Collected: 07/12/18 14:55

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-12

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			07/17/18 13:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/18 13:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/17/18 13:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/17/18 13:46	1
1,1-Dichloroethane	0.68	J	1.0	0.38	ug/L			07/17/18 13:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/17/18 13:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/17/18 13:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/17/18 13:46	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/17/18 13:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/17/18 13:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/17/18 13:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/17/18 13:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/17/18 13:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/17/18 13:46	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			07/17/18 13:46	1
2-Hexanone	ND	*	5.0	1.2	ug/L			07/17/18 13:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/17/18 13:46	1
Acetone	3.2	J *	10	3.0	ug/L			07/17/18 13:46	1
Benzene	ND		1.0	0.41	ug/L			07/17/18 13:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/17/18 13:46	1
Bromoform	ND		1.0	0.26	ug/L			07/17/18 13:46	1
Bromomethane	ND		1.0	0.69	ug/L			07/17/18 13:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/17/18 13:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/17/18 13:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/17/18 13:46	1
Chloroethane	ND		1.0	0.32	ug/L			07/17/18 13:46	1
Chloroform	ND		1.0	0.34	ug/L			07/17/18 13:46	1
Chloromethane	ND		1.0	0.35	ug/L			07/17/18 13:46	1
cis-1,2-Dichloroethene	1.6		1.0	0.81	ug/L			07/17/18 13:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/17/18 13:46	1
Cyclohexane	ND		1.0	0.18	ug/L			07/17/18 13:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/17/18 13:46	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/17/18 13:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/17/18 13:46	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/17/18 13:46	1
Methyl acetate	ND		2.5	1.3	ug/L			07/17/18 13:46	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/17/18 13:46	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/17/18 13:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/17/18 13:46	1
Styrene	ND		1.0	0.73	ug/L			07/17/18 13:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/17/18 13:46	1
Toluene	ND		1.0	0.51	ug/L			07/17/18 13:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/17/18 13:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/17/18 13:46	1
Trichloroethene	ND		1.0	0.46	ug/L			07/17/18 13:46	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/17/18 13:46	1
Vinyl chloride	1.6		1.0	0.90	ug/L			07/17/18 13:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/17/18 13:46	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-11

Date Collected: 07/12/18 14:55

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-12

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)	115		77 - 120		07/17/18 13:46	1
4-Bromofluorobenzene (Surr)	104		73 - 120		07/17/18 13:46	1
Toluene-d8 (Surr)	93		80 - 120		07/17/18 13:46	1
Dibromofluoromethane (Surr)	108		75 - 123		07/17/18 13:46	1

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-2

Date Collected: 07/13/18 08:45

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-1

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			07/22/18 01:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/18 01:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/18 01:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/18 01:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/22/18 01:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/18 01:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/18 01:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/18 01:31	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/18 01:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/18 01:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/22/18 01:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/18 01:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/18 01:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/18 01:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/18 01:31	1
2-Hexanone	ND		5.0	1.2	ug/L			07/22/18 01:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/18 01:31	1
Acetone	ND		10	3.0	ug/L			07/22/18 01:31	1
Benzene	ND		1.0	0.41	ug/L			07/22/18 01:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/22/18 01:31	1
Bromoform	ND		1.0	0.26	ug/L			07/22/18 01:31	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/18 01:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/22/18 01:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/18 01:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/18 01:31	1
Chloroethane	1.2		1.0	0.32	ug/L			07/22/18 01:31	1
Chloroform	ND		1.0	0.34	ug/L			07/22/18 01:31	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/18 01:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/22/18 01:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/18 01:31	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/18 01:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/18 01:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/18 01:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/18 01:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/18 01:31	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/18 01:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/22/18 01:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/18 01:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/22/18 01:31	1
Styrene	ND		1.0	0.73	ug/L			07/22/18 01:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/18 01:31	1
Toluene	ND		1.0	0.51	ug/L			07/22/18 01:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/22/18 01:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/18 01:31	1
Trichloroethene	ND		1.0	0.46	ug/L			07/22/18 01:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/18 01:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/22/18 01:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/18 01:31	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-2
Date Collected: 07/13/18 08:45
Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-1
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)	103		77 - 120		07/22/18 01:31	1
4-Bromofluorobenzene (Surr)	100		73 - 120		07/22/18 01:31	1
Toluene-d8 (Surr)	99		80 - 120		07/22/18 01:31	1
Dibromofluoromethane (Surr)	100		75 - 123		07/22/18 01:31	1

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-3
Date Collected: 07/13/18 09:15
Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-2
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			07/22/18 01:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/18 01:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/18 01:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/18 01:58	1
1,1-Dichloroethane	11		1.0	0.38	ug/L			07/22/18 01:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/18 01:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/18 01:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/18 01:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/18 01:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/18 01:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/22/18 01:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/18 01:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/18 01:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/18 01:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/18 01:58	1
2-Hexanone	ND		5.0	1.2	ug/L			07/22/18 01:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/18 01:58	1
Acetone	ND		10	3.0	ug/L			07/22/18 01:58	1
Benzene	ND		1.0	0.41	ug/L			07/22/18 01:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/22/18 01:58	1
Bromoform	ND		1.0	0.26	ug/L			07/22/18 01:58	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/18 01:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/22/18 01:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/18 01:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/18 01:58	1
Chloroethane	ND		1.0	0.32	ug/L			07/22/18 01:58	1
Chloroform	ND		1.0	0.34	ug/L			07/22/18 01:58	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/18 01:58	1
cis-1,2-Dichloroethene	2.2		1.0	0.81	ug/L			07/22/18 01:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/18 01:58	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/18 01:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/18 01:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/18 01:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/18 01:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/18 01:58	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/18 01:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/22/18 01:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/18 01:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/22/18 01:58	1
Styrene	ND		1.0	0.73	ug/L			07/22/18 01:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/18 01:58	1
Toluene	ND		1.0	0.51	ug/L			07/22/18 01:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/22/18 01:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/18 01:58	1
Trichloroethene	ND		1.0	0.46	ug/L			07/22/18 01:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/18 01:58	1
Vinyl chloride	28		1.0	0.90	ug/L			07/22/18 01:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/18 01:58	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-3
Date Collected: 07/13/18 09:15
Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-2
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)	103		77 - 120		07/22/18 01:58	1
4-Bromofluorobenzene (Surr)	103		73 - 120		07/22/18 01:58	1
Toluene-d8 (Surr)	99		80 - 120		07/22/18 01:58	1
Dibromofluoromethane (Surr)	100		75 - 123		07/22/18 01:58	1

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-4
Date Collected: 07/13/18 13:05
Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-3
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			07/22/18 02:25	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			07/22/18 02:25	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			07/22/18 02:25	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/22/18 02:25	5
1,1-Dichloroethane	2.5	J	5.0	1.9	ug/L			07/22/18 02:25	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			07/22/18 02:25	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			07/22/18 02:25	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			07/22/18 02:25	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			07/22/18 02:25	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			07/22/18 02:25	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			07/22/18 02:25	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			07/22/18 02:25	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			07/22/18 02:25	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			07/22/18 02:25	5
2-Butanone (MEK)	80		50	6.6	ug/L			07/22/18 02:25	5
2-Hexanone	ND		25	6.2	ug/L			07/22/18 02:25	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			07/22/18 02:25	5
Acetone	18	J	50	15	ug/L			07/22/18 02:25	5
Benzene	3.7	J	5.0	2.1	ug/L			07/22/18 02:25	5
Bromodichloromethane	ND		5.0	2.0	ug/L			07/22/18 02:25	5
Bromoform	ND		5.0	1.3	ug/L			07/22/18 02:25	5
Bromomethane	ND		5.0	3.5	ug/L			07/22/18 02:25	5
Carbon disulfide	ND		5.0	0.95	ug/L			07/22/18 02:25	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			07/22/18 02:25	5
Chlorobenzene	ND		5.0	3.8	ug/L			07/22/18 02:25	5
Chloroethane	490		5.0	1.6	ug/L			07/22/18 02:25	5
Chloroform	ND		5.0	1.7	ug/L			07/22/18 02:25	5
Chloromethane	ND		5.0	1.8	ug/L			07/22/18 02:25	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			07/22/18 02:25	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			07/22/18 02:25	5
Cyclohexane	ND		5.0	0.90	ug/L			07/22/18 02:25	5
Dibromochloromethane	ND		5.0	1.6	ug/L			07/22/18 02:25	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			07/22/18 02:25	5
Ethylbenzene	ND		5.0	3.7	ug/L			07/22/18 02:25	5
Isopropylbenzene	ND		5.0	4.0	ug/L			07/22/18 02:25	5
Methyl acetate	ND		13	6.5	ug/L			07/22/18 02:25	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			07/22/18 02:25	5
Methylcyclohexane	ND		5.0	0.80	ug/L			07/22/18 02:25	5
Methylene Chloride	ND		5.0	2.2	ug/L			07/22/18 02:25	5
Styrene	ND		5.0	3.7	ug/L			07/22/18 02:25	5
Tetrachloroethene	ND		5.0	1.8	ug/L			07/22/18 02:25	5
Toluene	16		5.0	2.6	ug/L			07/22/18 02:25	5
trans-1,2-Dichloroethene	18		5.0	4.5	ug/L			07/22/18 02:25	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			07/22/18 02:25	5
Trichloroethene	ND		5.0	2.3	ug/L			07/22/18 02:25	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			07/22/18 02:25	5
Vinyl chloride	37		5.0	4.5	ug/L			07/22/18 02:25	5
Xylenes, Total	ND		10	3.3	ug/L			07/22/18 02:25	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-4
Date Collected: 07/13/18 13:05
Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-3
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		07/22/18 02:25	5
4-Bromofluorobenzene (Surr)	103		73 - 120		07/22/18 02:25	5
Toluene-d8 (Surr)	103		80 - 120		07/22/18 02:25	5
Dibromofluoromethane (Surr)	94		75 - 123		07/22/18 02:25	5

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: Trip Blank - 071318

Lab Sample ID: 480-138931-4

Date Collected: 07/13/18 00:00

Matrix: Water

Date Received: 07/13/18 16:15

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			07/22/18 02:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/18 02:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/18 02:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/18 02:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/22/18 02:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/18 02:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/18 02:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/18 02:52	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/18 02:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/18 02:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/22/18 02:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/18 02:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/18 02:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/18 02:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/18 02:52	1
2-Hexanone	ND		5.0	1.2	ug/L			07/22/18 02:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/18 02:52	1
Acetone	ND		10	3.0	ug/L			07/22/18 02:52	1
Benzene	ND		1.0	0.41	ug/L			07/22/18 02:52	1
Bromodichloromethane	0.51	J	1.0	0.39	ug/L			07/22/18 02:52	1
Bromoform	ND		1.0	0.26	ug/L			07/22/18 02:52	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/18 02:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/22/18 02:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/18 02:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/18 02:52	1
Chloroethane	ND		1.0	0.32	ug/L			07/22/18 02:52	1
Chloroform	4.7		1.0	0.34	ug/L			07/22/18 02:52	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/18 02:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/22/18 02:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/18 02:52	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/18 02:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/18 02:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/18 02:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/18 02:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/18 02:52	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/18 02:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/22/18 02:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/18 02:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/22/18 02:52	1
Styrene	ND		1.0	0.73	ug/L			07/22/18 02:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/18 02:52	1
Toluene	ND		1.0	0.51	ug/L			07/22/18 02:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/22/18 02:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/18 02:52	1
Trichloroethene	ND		1.0	0.46	ug/L			07/22/18 02:52	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/18 02:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/22/18 02:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/18 02:52	1

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-138781-1

Client Sample ID: Trip Blank - 071318

Date Collected: 07/13/18 00:00

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-4

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)	107		77 - 120		07/22/18 02:52	1
4-Bromofluorobenzene (Surr)	102		73 - 120		07/22/18 02:52	1
Toluene-d8 (Surr)	101		80 - 120		07/22/18 02:52	1
Dibromofluoromethane (Surr)	105		75 - 123		07/22/18 02:52	1

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-10

Date Collected: 07/13/18 10:35

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-5

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			07/22/18 03:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/18 03:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/18 03:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/18 03:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/22/18 03:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/18 03:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/18 03:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/18 03:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/18 03:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/18 03:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/22/18 03:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/18 03:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/18 03:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/18 03:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/18 03:20	1
2-Hexanone	ND		5.0	1.2	ug/L			07/22/18 03:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/18 03:20	1
Acetone	ND		10	3.0	ug/L			07/22/18 03:20	1
Benzene	ND		1.0	0.41	ug/L			07/22/18 03:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/22/18 03:20	1
Bromoform	ND		1.0	0.26	ug/L			07/22/18 03:20	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/18 03:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/22/18 03:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/18 03:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/18 03:20	1
Chloroethane	ND		1.0	0.32	ug/L			07/22/18 03:20	1
Chloroform	ND		1.0	0.34	ug/L			07/22/18 03:20	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/18 03:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/22/18 03:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/18 03:20	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/18 03:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/18 03:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/18 03:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/18 03:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/18 03:20	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/18 03:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/22/18 03:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/18 03:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/22/18 03:20	1
Styrene	ND		1.0	0.73	ug/L			07/22/18 03:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/18 03:20	1
Toluene	ND		1.0	0.51	ug/L			07/22/18 03:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/22/18 03:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/18 03:20	1
Trichloroethene	ND		1.0	0.46	ug/L			07/22/18 03:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/18 03:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/22/18 03:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/18 03:20	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-10

Date Collected: 07/13/18 10:35

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-5

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)	104		77 - 120		07/22/18 03:20	1
4-Bromofluorobenzene (Surr)	100		73 - 120		07/22/18 03:20	1
Toluene-d8 (Surr)	101		80 - 120		07/22/18 03:20	1
Dibromofluoromethane (Surr)	95		75 - 123		07/22/18 03:20	1

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-13S

Date Collected: 07/13/18 12:20

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-6

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		40	33	ug/L			07/22/18 03:47	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			07/22/18 03:47	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			07/22/18 03:47	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			07/22/18 03:47	40
1,1-Dichloroethane	15	J	40	15	ug/L			07/22/18 03:47	40
1,1-Dichloroethene	ND		40	12	ug/L			07/22/18 03:47	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			07/22/18 03:47	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			07/22/18 03:47	40
1,2-Dibromoethane	ND		40	29	ug/L			07/22/18 03:47	40
1,2-Dichlorobenzene	ND		40	32	ug/L			07/22/18 03:47	40
1,2-Dichloroethane	ND		40	8.4	ug/L			07/22/18 03:47	40
1,2-Dichloropropane	ND		40	29	ug/L			07/22/18 03:47	40
1,3-Dichlorobenzene	ND		40	31	ug/L			07/22/18 03:47	40
1,4-Dichlorobenzene	ND		40	34	ug/L			07/22/18 03:47	40
2-Butanone (MEK)	ND		400	53	ug/L			07/22/18 03:47	40
2-Hexanone	ND		200	50	ug/L			07/22/18 03:47	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			07/22/18 03:47	40
Acetone	ND		400	120	ug/L			07/22/18 03:47	40
Benzene	ND		40	16	ug/L			07/22/18 03:47	40
Bromodichloromethane	ND		40	16	ug/L			07/22/18 03:47	40
Bromoform	ND		40	10	ug/L			07/22/18 03:47	40
Bromomethane	ND		40	28	ug/L			07/22/18 03:47	40
Carbon disulfide	ND		40	7.6	ug/L			07/22/18 03:47	40
Carbon tetrachloride	ND		40	11	ug/L			07/22/18 03:47	40
Chlorobenzene	ND		40	30	ug/L			07/22/18 03:47	40
Chloroethane	ND		40	13	ug/L			07/22/18 03:47	40
Chloroform	ND		40	14	ug/L			07/22/18 03:47	40
Chloromethane	ND		40	14	ug/L			07/22/18 03:47	40
cis-1,2-Dichloroethene	1500		40	32	ug/L			07/22/18 03:47	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			07/22/18 03:47	40
Cyclohexane	ND		40	7.2	ug/L			07/22/18 03:47	40
Dibromochloromethane	ND		40	13	ug/L			07/22/18 03:47	40
Dichlorodifluoromethane	ND		40	27	ug/L			07/22/18 03:47	40
Ethylbenzene	ND		40	30	ug/L			07/22/18 03:47	40
Isopropylbenzene	ND		40	32	ug/L			07/22/18 03:47	40
Methyl acetate	ND		100	52	ug/L			07/22/18 03:47	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			07/22/18 03:47	40
Methylcyclohexane	ND		40	6.4	ug/L			07/22/18 03:47	40
Methylene Chloride	ND		40	18	ug/L			07/22/18 03:47	40
Styrene	ND		40	29	ug/L			07/22/18 03:47	40
Tetrachloroethene	ND		40	14	ug/L			07/22/18 03:47	40
Toluene	ND		40	20	ug/L			07/22/18 03:47	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			07/22/18 03:47	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			07/22/18 03:47	40
Trichloroethene	ND		40	18	ug/L			07/22/18 03:47	40
Trichlorofluoromethane	ND		40	35	ug/L			07/22/18 03:47	40
Vinyl chloride	880		40	36	ug/L			07/22/18 03:47	40
Xylenes, Total	ND		80	26	ug/L			07/22/18 03:47	40

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-13S

Date Collected: 07/13/18 12:20

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-6

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)	107		77 - 120		07/22/18 03:47	40
4-Bromofluorobenzene (Surr)	102		73 - 120		07/22/18 03:47	40
Toluene-d8 (Surr)	101		80 - 120		07/22/18 03:47	40
Dibromofluoromethane (Surr)	99		75 - 123		07/22/18 03:47	40

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-12

Date Collected: 07/13/18 09:50

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-7

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		5.0	4.1	ug/L			07/22/18 04:14	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			07/22/18 04:14	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			07/22/18 04:14	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			07/22/18 04:14	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			07/22/18 04:14	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			07/22/18 04:14	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			07/22/18 04:14	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			07/22/18 04:14	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			07/22/18 04:14	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			07/22/18 04:14	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			07/22/18 04:14	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			07/22/18 04:14	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			07/22/18 04:14	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			07/22/18 04:14	5
2-Butanone (MEK)	ND		50	6.6	ug/L			07/22/18 04:14	5
2-Hexanone	ND		25	6.2	ug/L			07/22/18 04:14	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			07/22/18 04:14	5
Acetone	ND		50	15	ug/L			07/22/18 04:14	5
Benzene	ND		5.0	2.1	ug/L			07/22/18 04:14	5
Bromodichloromethane	ND		5.0	2.0	ug/L			07/22/18 04:14	5
Bromoform	ND		5.0	1.3	ug/L			07/22/18 04:14	5
Bromomethane	ND		5.0	3.5	ug/L			07/22/18 04:14	5
Carbon disulfide	ND		5.0	0.95	ug/L			07/22/18 04:14	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			07/22/18 04:14	5
Chlorobenzene	ND		5.0	3.8	ug/L			07/22/18 04:14	5
Chloroethane	9.1		5.0	1.6	ug/L			07/22/18 04:14	5
Chloroform	ND		5.0	1.7	ug/L			07/22/18 04:14	5
Chloromethane	ND		5.0	1.8	ug/L			07/22/18 04:14	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			07/22/18 04:14	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			07/22/18 04:14	5
Cyclohexane	ND		5.0	0.90	ug/L			07/22/18 04:14	5
Dibromochloromethane	ND		5.0	1.6	ug/L			07/22/18 04:14	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			07/22/18 04:14	5
Ethylbenzene	ND		5.0	3.7	ug/L			07/22/18 04:14	5
Isopropylbenzene	ND		5.0	4.0	ug/L			07/22/18 04:14	5
Methyl acetate	ND		13	6.5	ug/L			07/22/18 04:14	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			07/22/18 04:14	5
Methylcyclohexane	ND		5.0	0.80	ug/L			07/22/18 04:14	5
Methylene Chloride	ND		5.0	2.2	ug/L			07/22/18 04:14	5
Styrene	ND		5.0	3.7	ug/L			07/22/18 04:14	5
Tetrachloroethene	ND		5.0	1.8	ug/L			07/22/18 04:14	5
Toluene	ND		5.0	2.6	ug/L			07/22/18 04:14	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			07/22/18 04:14	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			07/22/18 04:14	5
Trichloroethene	ND		5.0	2.3	ug/L			07/22/18 04:14	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			07/22/18 04:14	5
Vinyl chloride	6.1		5.0	4.5	ug/L			07/22/18 04:14	5
Xylenes, Total	ND		10	3.3	ug/L			07/22/18 04:14	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-12

Date Collected: 07/13/18 09:50

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-7

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)	107		77 - 120		07/22/18 04:14	5
4-Bromofluorobenzene (Surr)	103		73 - 120		07/22/18 04:14	5
Toluene-d8 (Surr)	103		80 - 120		07/22/18 04:14	5
Dibromofluoromethane (Surr)	103		75 - 123		07/22/18 04:14	5

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-16S

Date Collected: 07/13/18 14:20

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-8

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		1000	820	ug/L			07/22/18 04:42	1000
1,1,2,2-Tetrachloroethane	ND		1000	210	ug/L			07/22/18 04:42	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310	ug/L			07/22/18 04:42	1000
1,1,2-Trichloroethane	ND		1000	230	ug/L			07/22/18 04:42	1000
1,1-Dichloroethane	880	J	1000	380	ug/L			07/22/18 04:42	1000
1,1-Dichloroethene	560	J	1000	290	ug/L			07/22/18 04:42	1000
1,2,4-Trichlorobenzene	ND		1000	410	ug/L			07/22/18 04:42	1000
1,2-Dibromo-3-Chloropropane	ND		1000	390	ug/L			07/22/18 04:42	1000
1,2-Dibromoethane	ND		1000	730	ug/L			07/22/18 04:42	1000
1,2-Dichlorobenzene	ND		1000	790	ug/L			07/22/18 04:42	1000
1,2-Dichloroethane	ND		1000	210	ug/L			07/22/18 04:42	1000
1,2-Dichloropropane	ND		1000	720	ug/L			07/22/18 04:42	1000
1,3-Dichlorobenzene	ND		1000	780	ug/L			07/22/18 04:42	1000
1,4-Dichlorobenzene	ND		1000	840	ug/L			07/22/18 04:42	1000
2-Butanone (MEK)	ND		10000	1300	ug/L			07/22/18 04:42	1000
2-Hexanone	ND		5000	1200	ug/L			07/22/18 04:42	1000
4-Methyl-2-pentanone (MIBK)	ND		5000	2100	ug/L			07/22/18 04:42	1000
Acetone	ND		10000	3000	ug/L			07/22/18 04:42	1000
Benzene	ND		1000	410	ug/L			07/22/18 04:42	1000
Bromodichloromethane	ND		1000	390	ug/L			07/22/18 04:42	1000
Bromoform	ND		1000	260	ug/L			07/22/18 04:42	1000
Bromomethane	ND		1000	690	ug/L			07/22/18 04:42	1000
Carbon disulfide	ND		1000	190	ug/L			07/22/18 04:42	1000
Carbon tetrachloride	ND		1000	270	ug/L			07/22/18 04:42	1000
Chlorobenzene	ND		1000	750	ug/L			07/22/18 04:42	1000
Chloroethane	ND		1000	320	ug/L			07/22/18 04:42	1000
Chloroform	ND		1000	340	ug/L			07/22/18 04:42	1000
Chloromethane	ND		1000	350	ug/L			07/22/18 04:42	1000
cis-1,2-Dichloroethene	93000		1000	810	ug/L			07/22/18 04:42	1000
cis-1,3-Dichloropropene	ND		1000	360	ug/L			07/22/18 04:42	1000
Cyclohexane	ND		1000	180	ug/L			07/22/18 04:42	1000
Dibromochloromethane	ND		1000	320	ug/L			07/22/18 04:42	1000
Dichlorodifluoromethane	ND		1000	680	ug/L			07/22/18 04:42	1000
Ethylbenzene	ND		1000	740	ug/L			07/22/18 04:42	1000
Isopropylbenzene	ND		1000	790	ug/L			07/22/18 04:42	1000
Methyl acetate	ND		2500	1300	ug/L			07/22/18 04:42	1000
Methyl tert-butyl ether	ND		1000	160	ug/L			07/22/18 04:42	1000
Methylcyclohexane	ND		1000	160	ug/L			07/22/18 04:42	1000
Methylene Chloride	ND		1000	440	ug/L			07/22/18 04:42	1000
Styrene	ND		1000	730	ug/L			07/22/18 04:42	1000
Tetrachloroethene	ND		1000	360	ug/L			07/22/18 04:42	1000
Toluene	ND		1000	510	ug/L			07/22/18 04:42	1000
trans-1,2-Dichloroethene	ND		1000	900	ug/L			07/22/18 04:42	1000
trans-1,3-Dichloropropene	ND		1000	370	ug/L			07/22/18 04:42	1000
Trichloroethene	ND		1000	460	ug/L			07/22/18 04:42	1000
Trichlorofluoromethane	ND		1000	880	ug/L			07/22/18 04:42	1000
Vinyl chloride	91000		1000	900	ug/L			07/22/18 04:42	1000
Xylenes, Total	ND		2000	660	ug/L			07/22/18 04:42	1000

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-16S

Date Collected: 07/13/18 14:20

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-8

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)	107		77 - 120		07/22/18 04:42	1000
4-Bromofluorobenzene (Surr)	103		73 - 120		07/22/18 04:42	1000
Toluene-d8 (Surr)	99		80 - 120		07/22/18 04:42	1000
Dibromofluoromethane (Surr)	102		75 - 123		07/22/18 04:42	1000

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: Duplicate

Date Collected: 07/13/18 12:30

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-9

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			07/22/18 05:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/18 05:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/18 05:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/18 05:09	1
1,1-Dichloroethane	2.4		1.0	0.38	ug/L			07/22/18 05:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/18 05:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/18 05:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/18 05:09	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/18 05:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/18 05:09	1
1,2-Dichloroethane	0.44	J	1.0	0.21	ug/L			07/22/18 05:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/18 05:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/18 05:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/18 05:09	1
2-Butanone (MEK)	99		10	1.3	ug/L			07/22/18 05:09	1
2-Hexanone	1.2	J	5.0	1.2	ug/L			07/22/18 05:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/18 05:09	1
Acetone	35		10	3.0	ug/L			07/22/18 05:09	1
Benzene	3.7		1.0	0.41	ug/L			07/22/18 05:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/22/18 05:09	1
Bromoform	ND		1.0	0.26	ug/L			07/22/18 05:09	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/18 05:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/22/18 05:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/18 05:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/18 05:09	1
Chloroethane	530	E	1.0	0.32	ug/L			07/22/18 05:09	1
Chloroform	ND		1.0	0.34	ug/L			07/22/18 05:09	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/18 05:09	1
cis-1,2-Dichloroethene	2.2		1.0	0.81	ug/L			07/22/18 05:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/18 05:09	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/18 05:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/18 05:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/18 05:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/18 05:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/18 05:09	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/18 05:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/22/18 05:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/18 05:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/22/18 05:09	1
Styrene	ND		1.0	0.73	ug/L			07/22/18 05:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/18 05:09	1
Toluene	16		1.0	0.51	ug/L			07/22/18 05:09	1
trans-1,2-Dichloroethene	18		1.0	0.90	ug/L			07/22/18 05:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/18 05:09	1
Trichloroethene	1.0		1.0	0.46	ug/L			07/22/18 05:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/18 05:09	1
Vinyl chloride	36		1.0	0.90	ug/L			07/22/18 05:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/18 05:09	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: Duplicate

Date Collected: 07/13/18 12:30

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-9

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		07/22/18 05:09	1
4-Bromofluorobenzene (Surr)	103		73 - 120		07/22/18 05:09	1
Toluene-d8 (Surr)	101		80 - 120		07/22/18 05:09	1
Dibromofluoromethane (Surr)	105		75 - 123		07/22/18 05:09	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		10	8.2	ug/L			07/22/18 11:23	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			07/22/18 11:23	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			07/22/18 11:23	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			07/22/18 11:23	10
1,1-Dichloroethane	ND		10	3.8	ug/L			07/22/18 11:23	10
1,1-Dichloroethene	ND		10	2.9	ug/L			07/22/18 11:23	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			07/22/18 11:23	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			07/22/18 11:23	10
1,2-Dibromoethane	ND		10	7.3	ug/L			07/22/18 11:23	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			07/22/18 11:23	10
1,2-Dichloroethane	ND		10	2.1	ug/L			07/22/18 11:23	10
1,2-Dichloropropane	ND		10	7.2	ug/L			07/22/18 11:23	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			07/22/18 11:23	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			07/22/18 11:23	10
2-Butanone (MEK)	110		100	13	ug/L			07/22/18 11:23	10
2-Hexanone	ND		50	12	ug/L			07/22/18 11:23	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			07/22/18 11:23	10
Acetone	44	J	100	30	ug/L			07/22/18 11:23	10
Benzene	4.2	J	10	4.1	ug/L			07/22/18 11:23	10
Bromodichloromethane	ND		10	3.9	ug/L			07/22/18 11:23	10
Bromoform	ND		10	2.6	ug/L			07/22/18 11:23	10
Bromomethane	ND		10	6.9	ug/L			07/22/18 11:23	10
Carbon disulfide	ND		10	1.9	ug/L			07/22/18 11:23	10
Carbon tetrachloride	ND		10	2.7	ug/L			07/22/18 11:23	10
Chlorobenzene	ND		10	7.5	ug/L			07/22/18 11:23	10
Chloroethane	630		10	3.2	ug/L			07/22/18 11:23	10
Chloroform	ND		10	3.4	ug/L			07/22/18 11:23	10
Chloromethane	ND		10	3.5	ug/L			07/22/18 11:23	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			07/22/18 11:23	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			07/22/18 11:23	10
Cyclohexane	ND		10	1.8	ug/L			07/22/18 11:23	10
Dibromochloromethane	ND		10	3.2	ug/L			07/22/18 11:23	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			07/22/18 11:23	10
Ethylbenzene	ND		10	7.4	ug/L			07/22/18 11:23	10
Isopropylbenzene	ND		10	7.9	ug/L			07/22/18 11:23	10
Methyl acetate	ND		25	13	ug/L			07/22/18 11:23	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			07/22/18 11:23	10
Methylcyclohexane	ND		10	1.6	ug/L			07/22/18 11:23	10
Methylene Chloride	ND		10	4.4	ug/L			07/22/18 11:23	10
Styrene	ND		10	7.3	ug/L			07/22/18 11:23	10
Tetrachloroethene	ND		10	3.6	ug/L			07/22/18 11:23	10
Toluene	18		10	5.1	ug/L			07/22/18 11:23	10
trans-1,2-Dichloroethene	21		10	9.0	ug/L			07/22/18 11:23	10

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: Duplicate

Date Collected: 07/13/18 12:30

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-9

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			07/22/18 11:23	10
Trichloroethene	ND		10	4.6	ug/L			07/22/18 11:23	10
Trichlorofluoromethane	ND		10	8.8	ug/L			07/22/18 11:23	10
Vinyl chloride	39		10	9.0	ug/L			07/22/18 11:23	10
Xylenes, Total	ND		20	6.6	ug/L			07/22/18 11:23	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		07/22/18 11:23	10
4-Bromofluorobenzene (Surr)	96		73 - 120		07/22/18 11:23	10
Toluene-d8 (Surr)	100		80 - 120		07/22/18 11:23	10
Dibromofluoromethane (Surr)	100		75 - 123		07/22/18 11:23	10

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-8R

Date Collected: 07/13/18 14:15

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-10

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	F2	10	8.2	ug/L			07/22/18 11:46	10
1,1,2,2-Tetrachloroethane	ND	F2 F1	10	2.1	ug/L			07/22/18 11:46	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			07/22/18 11:46	10
1,1,2-Trichloroethane	ND	F2	10	2.3	ug/L			07/22/18 11:46	10
1,1-Dichloroethane	9.8	J F2 F1	10	3.8	ug/L			07/22/18 11:46	10
1,1-Dichloroethene	ND	F2	10	2.9	ug/L			07/22/18 11:46	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			07/22/18 11:46	10
1,2-Dibromo-3-Chloropropane	ND	F2	10	3.9	ug/L			07/22/18 11:46	10
1,2-Dibromoethane	ND	F2 F1	10	7.3	ug/L			07/22/18 11:46	10
1,2-Dichlorobenzene	ND	F2 F1	10	7.9	ug/L			07/22/18 11:46	10
1,2-Dichloroethane	ND	F2 F1	10	2.1	ug/L			07/22/18 11:46	10
1,2-Dichloropropane	ND	F2	10	7.2	ug/L			07/22/18 11:46	10
1,3-Dichlorobenzene	ND	F2	10	7.8	ug/L			07/22/18 11:46	10
1,4-Dichlorobenzene	ND	F2 F1	10	8.4	ug/L			07/22/18 11:46	10
2-Butanone (MEK)	24	J F2	100	13	ug/L			07/22/18 11:46	10
2-Hexanone	ND	F2	50	12	ug/L			07/22/18 11:46	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			07/22/18 11:46	10
Acetone	34	J F2	100	30	ug/L			07/22/18 11:46	10
Benzene	ND	F2	10	4.1	ug/L			07/22/18 11:46	10
Bromodichloromethane	ND	F2 F1	10	3.9	ug/L			07/22/18 11:46	10
Bromoform	ND	F2	10	2.6	ug/L			07/22/18 11:46	10
Bromomethane	ND		10	6.9	ug/L			07/22/18 11:46	10
Carbon disulfide	ND	F2	10	1.9	ug/L			07/22/18 11:46	10
Carbon tetrachloride	ND	F2	10	2.7	ug/L			07/22/18 11:46	10
Chlorobenzene	ND	F1	10	7.5	ug/L			07/22/18 11:46	10
Chloroethane	47		10	3.2	ug/L			07/22/18 11:46	10
Chloroform	ND	F2	10	3.4	ug/L			07/22/18 11:46	10
Chloromethane	ND	F2	10	3.5	ug/L			07/22/18 11:46	10
cis-1,2-Dichloroethene	30	F2	10	8.1	ug/L			07/22/18 11:46	10
cis-1,3-Dichloropropene	ND	F2	10	3.6	ug/L			07/22/18 11:46	10
Cyclohexane	ND		10	1.8	ug/L			07/22/18 11:46	10
Dibromochloromethane	ND	F2	10	3.2	ug/L			07/22/18 11:46	10
Dichlorodifluoromethane	ND	F2	10	6.8	ug/L			07/22/18 11:46	10
Ethylbenzene	ND	F2	10	7.4	ug/L			07/22/18 11:46	10
Isopropylbenzene	ND	F2	10	7.9	ug/L			07/22/18 11:46	10
Methyl acetate	ND	F2 F1	25	13	ug/L			07/22/18 11:46	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			07/22/18 11:46	10
Methylcyclohexane	ND	F2	10	1.6	ug/L			07/22/18 11:46	10
Methylene Chloride	ND	F2 F1	10	4.4	ug/L			07/22/18 11:46	10
Styrene	ND	F2	10	7.3	ug/L			07/22/18 11:46	10
Tetrachloroethene	ND		10	3.6	ug/L			07/22/18 11:46	10
Toluene	33	F2 F1	10	5.1	ug/L			07/22/18 11:46	10
trans-1,2-Dichloroethene	ND	F2	10	9.0	ug/L			07/22/18 11:46	10
trans-1,3-Dichloropropene	ND	F2 F1	10	3.7	ug/L			07/22/18 11:46	10
Trichloroethene	ND	F2	10	4.6	ug/L			07/22/18 11:46	10
Trichlorofluoromethane	ND	F2	10	8.8	ug/L			07/22/18 11:46	10
Vinyl chloride	190		10	9.0	ug/L			07/22/18 11:46	10
Xylenes, Total	ND	F2	20	6.6	ug/L			07/22/18 11:46	10

TestAmerica Buffalo

Client Sample Results

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-8R

Date Collected: 07/13/18 14:15

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-10

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		07/22/18 11:46	10
4-Bromofluorobenzene (Surr)	97		73 - 120		07/22/18 11:46	10
Toluene-d8 (Surr)	97		80 - 120		07/22/18 11:46	10
Dibromofluoromethane (Surr)	100		75 - 123		07/22/18 11:46	10

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-16D

Date Collected: 07/13/18 15:15

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-11

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			07/22/18 06:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/18 06:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/18 06:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/18 06:03	1
1,1-Dichloroethane	2.0		1.0	0.38	ug/L			07/22/18 06:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/18 06:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/18 06:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/18 06:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/18 06:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/18 06:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/22/18 06:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/18 06:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/18 06:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/18 06:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/18 06:03	1
2-Hexanone	ND		5.0	1.2	ug/L			07/22/18 06:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/18 06:03	1
Acetone	ND		10	3.0	ug/L			07/22/18 06:03	1
Benzene	ND		1.0	0.41	ug/L			07/22/18 06:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/22/18 06:03	1
Bromoform	ND		1.0	0.26	ug/L			07/22/18 06:03	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/18 06:03	1
Carbon disulfide	0.22	J	1.0	0.19	ug/L			07/22/18 06:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/18 06:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/18 06:03	1
Chloroethane	53		1.0	0.32	ug/L			07/22/18 06:03	1
Chloroform	ND		1.0	0.34	ug/L			07/22/18 06:03	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/18 06:03	1
cis-1,2-Dichloroethene	3.3		1.0	0.81	ug/L			07/22/18 06:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/18 06:03	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/18 06:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/18 06:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/18 06:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/18 06:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/18 06:03	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/18 06:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/22/18 06:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/18 06:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/22/18 06:03	1
Styrene	ND		1.0	0.73	ug/L			07/22/18 06:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/18 06:03	1
Toluene	ND		1.0	0.51	ug/L			07/22/18 06:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/22/18 06:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/18 06:03	1
Trichloroethene	ND		1.0	0.46	ug/L			07/22/18 06:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/18 06:03	1
Vinyl chloride	22		1.0	0.90	ug/L			07/22/18 06:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/18 06:03	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-16D

Date Collected: 07/13/18 15:15

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-11

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)	106		77 - 120		07/22/18 06:03	1
4-Bromofluorobenzene (Surr)	102		73 - 120		07/22/18 06:03	1
Toluene-d8 (Surr)	100		80 - 120		07/22/18 06:03	1
Dibromofluoromethane (Surr)	106		75 - 123		07/22/18 06:03	1

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-13D

Date Collected: 07/13/18 12:15

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-12

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			07/22/18 06:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/18 06:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/18 06:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/18 06:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/22/18 06:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/18 06:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/18 06:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/18 06:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/18 06:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/18 06:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/22/18 06:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/18 06:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/18 06:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/18 06:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/18 06:30	1
2-Hexanone	ND		5.0	1.2	ug/L			07/22/18 06:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/18 06:30	1
Acetone	4.4	J	10	3.0	ug/L			07/22/18 06:30	1
Benzene	ND		1.0	0.41	ug/L			07/22/18 06:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/22/18 06:30	1
Bromoform	ND		1.0	0.26	ug/L			07/22/18 06:30	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/18 06:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/22/18 06:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/18 06:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/18 06:30	1
Chloroethane	5.5		1.0	0.32	ug/L			07/22/18 06:30	1
Chloroform	ND		1.0	0.34	ug/L			07/22/18 06:30	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/18 06:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/22/18 06:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/18 06:30	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/18 06:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/18 06:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/18 06:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/18 06:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/18 06:30	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/18 06:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/22/18 06:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/18 06:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/22/18 06:30	1
Styrene	ND		1.0	0.73	ug/L			07/22/18 06:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/18 06:30	1
Toluene	ND		1.0	0.51	ug/L			07/22/18 06:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/22/18 06:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/18 06:30	1
Trichloroethene	ND		1.0	0.46	ug/L			07/22/18 06:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/18 06:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/22/18 06:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/18 06:30	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-13D

Date Collected: 07/13/18 12:15

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-12

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		07/22/18 06:30	1
4-Bromofluorobenzene (Surr)	101		73 - 120		07/22/18 06:30	1
Toluene-d8 (Surr)	98		80 - 120		07/22/18 06:30	1
Dibromofluoromethane (Surr)	99		75 - 123		07/22/18 06:30	1

Surrogate Summary

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

TestAmerica Job ID: 480-138781-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-138781-1	Rinse Blank	108	106	94	97
480-138781-2	DPE-6	95	98	92	100
480-138781-3	DPE-8	112	103	95	98
480-138781-4	GWCT	96	99	93	105
480-138781-5	Trip-0712-18	111	105	97	105
480-138781-6	DPE-1	114	101	95	105
480-138781-7	DPE-2	117	102	92	105
480-138781-8	DPE-3	112	103	97	102
480-138781-9	DPE-4	110	103	96	101
480-138781-9 - DL	DPE-4	99	100	91	100
480-138781-10	DPE-5	97	96	90	102
480-138781-11	DPE-7	113	105	91	103
480-138781-12	MW-11	115	104	93	108
480-138931-1	MW-2	103	100	99	100
480-138931-2	MW-3	103	103	99	100
480-138931-3	MW-4	100	103	103	94
480-138931-4	Trip Blank - 071318	107	102	101	105
480-138931-5	MW-10	104	100	101	95
480-138931-6	MW-13S	107	102	101	99
480-138931-7	MW-12	107	103	103	103
480-138931-8	MW-16S	107	103	99	102
480-138931-9	Duplicate	106	103	101	105
480-138931-9 - DL	Duplicate	98	96	100	100
480-138931-10	MW-8R	97	97	97	100
480-138931-10 MS	MW-8R	100	100	102	104
480-138931-10 MSD	MW-8R	109	102	101	104
480-138931-11	MW-16D	106	102	100	106
480-138931-12	MW-13D	104	101	98	99
LCS 480-424504/5	Lab Control Sample	109	105	94	96
LCS 480-424528/5	Lab Control Sample	111	108	94	100
LCS 480-424720/8	Lab Control Sample	113	108	96	103
LCS 480-424746/5	Lab Control Sample	105	107	94	97
LCS 480-424950/5	Lab Control Sample	98	99	93	104
LCS 480-425155/5	Lab Control Sample	100	102	95	105
LCS 480-425702/26	Lab Control Sample	99	101	100	102
LCS 480-425707/5	Lab Control Sample	102	99	99	105
MB 480-424504/7	Method Blank	110	102	94	98
MB 480-424528/7	Method Blank	118	106	95	102
MB 480-424720/9	Method Blank	115	105	98	100
MB 480-424746/7	Method Blank	114	103	95	105
MB 480-424950/9	Method Blank	96	95	91	95
MB 480-425155/7	Method Blank	99	100	92	100
MB 480-425702/27	Method Blank	99	102	99	97
MB 480-425707/7	Method Blank	100	99	99	102

Surrogate Legend

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

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 480-138781-1

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: MB 480-424504/7

Matrix: Water

Analysis Batch: 424504

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			07/15/18 10:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/15/18 10:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/15/18 10:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/15/18 10:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/15/18 10:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/15/18 10:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/15/18 10:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/15/18 10:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/15/18 10:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/15/18 10:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/15/18 10:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/15/18 10:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/15/18 10:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/15/18 10:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/15/18 10:50	1
2-Hexanone	ND		5.0	1.2	ug/L			07/15/18 10:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/15/18 10:50	1
Acetone	ND		10	3.0	ug/L			07/15/18 10:50	1
Benzene	ND		1.0	0.41	ug/L			07/15/18 10:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/15/18 10:50	1
Bromoform	ND		1.0	0.26	ug/L			07/15/18 10:50	1
Bromomethane	ND		1.0	0.69	ug/L			07/15/18 10:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/15/18 10:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/15/18 10:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/15/18 10:50	1
Chloroethane	ND		1.0	0.32	ug/L			07/15/18 10:50	1
Chloroform	ND		1.0	0.34	ug/L			07/15/18 10:50	1
Chloromethane	ND		1.0	0.35	ug/L			07/15/18 10:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/15/18 10:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/15/18 10:50	1
Cyclohexane	ND		1.0	0.18	ug/L			07/15/18 10:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/15/18 10:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/15/18 10:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/15/18 10:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/15/18 10:50	1
Methyl acetate	ND		2.5	1.3	ug/L			07/15/18 10:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/15/18 10:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/15/18 10:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/15/18 10:50	1
Styrene	ND		1.0	0.73	ug/L			07/15/18 10:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/15/18 10:50	1
Toluene	ND		1.0	0.51	ug/L			07/15/18 10:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/15/18 10:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/15/18 10:50	1
Trichloroethene	ND		1.0	0.46	ug/L			07/15/18 10:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/15/18 10:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/15/18 10:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/15/18 10:50	1

TestAmerica Buffalo

QC Sample Results

Client: AECOM

TestAmerica Job ID: 480-138781-1

Project/Site: Scott Figgie West of Plant 2

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		07/15/18 10:50	1
4-Bromofluorobenzene (Surr)	102		73 - 120		07/15/18 10:50	1
Toluene-d8 (Surr)	94		80 - 120		07/15/18 10:50	1
Dibromofluoromethane (Surr)	98		75 - 123		07/15/18 10:50	1

Lab Sample ID: LCS 480-424504/5

Matrix: Water

Analysis Batch: 424504

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	24.0		ug/L		96	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.9		ug/L		91	61 - 148
1,1,2-Trichloroethane	25.0	25.4		ug/L		102	76 - 122
1,1-Dichloroethane	25.0	24.6		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	22.3		ug/L		89	66 - 127
1,2,4-Trichlorobenzene	25.0	23.1		ug/L		92	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.9		ug/L		87	56 - 134
1,2-Dibromoethane	25.0	24.6		ug/L		98	77 - 120
1,2-Dichlorobenzene	25.0	24.0		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	26.1		ug/L		104	75 - 120
1,2-Dichloropropane	25.0	24.9		ug/L		100	76 - 120
1,3-Dichlorobenzene	25.0	24.1		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 120
2-Butanone (MEK)	125	181	*	ug/L		145	57 - 140
2-Hexanone	125	176	*	ug/L		140	65 - 127
4-Methyl-2-pentanone (MIBK)	125	152		ug/L		122	71 - 125
Acetone	125	194	*	ug/L		155	56 - 142
Benzene	25.0	23.7		ug/L		95	71 - 124
Bromodichloromethane	25.0	24.7		ug/L		99	80 - 122
Bromoform	25.0	24.5		ug/L		98	61 - 132
Bromomethane	25.0	25.0		ug/L		100	55 - 144
Carbon disulfide	25.0	21.2		ug/L		85	59 - 134
Carbon tetrachloride	25.0	25.2		ug/L		101	72 - 134
Chlorobenzene	25.0	23.6		ug/L		94	80 - 120
Chloroethane	25.0	28.1		ug/L		112	69 - 136
Chloroform	25.0	23.4		ug/L		94	73 - 127
Chloromethane	25.0	26.6		ug/L		106	68 - 124
cis-1,2-Dichloroethene	25.0	22.2		ug/L		89	74 - 124
cis-1,3-Dichloropropene	25.0	23.5		ug/L		94	74 - 124
Cyclohexane	25.0	26.5		ug/L		106	59 - 135
Dibromochloromethane	25.0	23.5		ug/L		94	75 - 125
Dichlorodifluoromethane	25.0	20.1		ug/L		80	59 - 135
Ethylbenzene	25.0	23.6		ug/L		94	77 - 123
Isopropylbenzene	25.0	23.3		ug/L		93	77 - 122
Methyl acetate	50.0	60.5		ug/L		121	74 - 133
Methyl tert-butyl ether	25.0	23.0		ug/L		92	77 - 120
Methylcyclohexane	25.0	25.3		ug/L		101	68 - 134
Methylene Chloride	25.0	19.7		ug/L		79	75 - 124
Styrene	25.0	24.8		ug/L		99	80 - 120
Tetrachloroethene	25.0	26.0		ug/L		104	74 - 122
Toluene	25.0	23.3		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	22.3		ug/L		89	73 - 127

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: LCS 480-424504/5

Matrix: Water

Analysis Batch: 424504

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	24.4		ug/L		97	80 - 120
Trichloroethene	25.0	24.1		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	26.1		ug/L		104	62 - 150
Vinyl chloride	25.0	23.9		ug/L		95	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		77 - 120
4-Bromofluorobenzene (Surr)	105		73 - 120
Toluene-d8 (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	96		75 - 123

Lab Sample ID: MB 480-424528/7

Matrix: Water

Analysis Batch: 424528

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			07/16/18 10:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/16/18 10:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/16/18 10:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/16/18 10:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/16/18 10:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/16/18 10:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/16/18 10:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/16/18 10:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/16/18 10:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/16/18 10:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/16/18 10:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/16/18 10:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/16/18 10:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/16/18 10:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/16/18 10:13	1
2-Hexanone	ND		5.0	1.2	ug/L			07/16/18 10:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/16/18 10:13	1
Acetone	ND		10	3.0	ug/L			07/16/18 10:13	1
Benzene	ND		1.0	0.41	ug/L			07/16/18 10:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/16/18 10:13	1
Bromoform	ND		1.0	0.26	ug/L			07/16/18 10:13	1
Bromomethane	ND		1.0	0.69	ug/L			07/16/18 10:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/16/18 10:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/16/18 10:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/16/18 10:13	1
Chloroethane	ND		1.0	0.32	ug/L			07/16/18 10:13	1
Chloroform	ND		1.0	0.34	ug/L			07/16/18 10:13	1
Chloromethane	ND		1.0	0.35	ug/L			07/16/18 10:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/16/18 10:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/16/18 10:13	1
Cyclohexane	ND		1.0	0.18	ug/L			07/16/18 10:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/16/18 10:13	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: MB 480-424528/7

Matrix: Water

Analysis Batch: 424528

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/16/18 10:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/16/18 10:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/16/18 10:13	1
Methyl acetate	ND		2.5	1.3	ug/L			07/16/18 10:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/16/18 10:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/16/18 10:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/16/18 10:13	1
Styrene	ND		1.0	0.73	ug/L			07/16/18 10:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/16/18 10:13	1
Toluene	ND		1.0	0.51	ug/L			07/16/18 10:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/16/18 10:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/16/18 10:13	1
Trichloroethene	ND		1.0	0.46	ug/L			07/16/18 10:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/16/18 10:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/16/18 10:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/16/18 10:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		77 - 120		07/16/18 10:13	1
4-Bromofluorobenzene (Surr)	106		73 - 120		07/16/18 10:13	1
Toluene-d8 (Surr)	95		80 - 120		07/16/18 10:13	1
Dibromofluoromethane (Surr)	102		75 - 123		07/16/18 10:13	1

Lab Sample ID: LCS 480-424528/5

Matrix: Water

Analysis Batch: 424528

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	26.2		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.1		ug/L		96	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.5		ug/L		110	61 - 148
1,1,2-Trichloroethane	25.0	24.9		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	27.1		ug/L		108	77 - 120
1,1-Dichloroethene	25.0	23.3		ug/L		93	66 - 127
1,2,4-Trichlorobenzene	25.0	25.5		ug/L		102	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.8		ug/L		99	56 - 134
1,2-Dibromoethane	25.0	25.7		ug/L		103	77 - 120
1,2-Dichlorobenzene	25.0	25.4		ug/L		102	80 - 124
1,2-Dichloroethane	25.0	27.8		ug/L		111	75 - 120
1,2-Dichloropropane	25.0	25.0		ug/L		100	76 - 120
1,3-Dichlorobenzene	25.0	24.8		ug/L		99	77 - 120
1,4-Dichlorobenzene	25.0	25.4		ug/L		102	80 - 120
2-Butanone (MEK)	125	181	*	ug/L		144	57 - 140
2-Hexanone	125	168	*	ug/L		134	65 - 127
4-Methyl-2-pentanone (MIBK)	125	150		ug/L		120	71 - 125
Acetone	125	198	*	ug/L		159	56 - 142
Benzene	25.0	24.9		ug/L		99	71 - 124

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: LCS 480-424528/5

Matrix: Water

Analysis Batch: 424528

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	25.0	25.8		ug/L		103	80 - 122
Bromoform	25.0	26.2		ug/L		105	61 - 132
Bromomethane	25.0	28.1		ug/L		112	55 - 144
Carbon disulfide	25.0	23.9		ug/L		96	59 - 134
Carbon tetrachloride	25.0	28.6		ug/L		115	72 - 134
Chlorobenzene	25.0	24.9		ug/L		100	80 - 120
Chloroethane	25.0	33.1		ug/L		133	69 - 136
Chloroform	25.0	24.8		ug/L		99	73 - 127
Chloromethane	25.0	33.3	*	ug/L		133	68 - 124
cis-1,2-Dichloroethene	25.0	25.1		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	23.5		ug/L		94	74 - 124
Cyclohexane	25.0	28.4		ug/L		114	59 - 135
Dibromochloromethane	25.0	24.4		ug/L		97	75 - 125
Dichlorodifluoromethane	25.0	31.1		ug/L		125	59 - 135
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
Isopropylbenzene	25.0	24.2		ug/L		97	77 - 122
Methyl acetate	50.0	62.6		ug/L		125	74 - 133
Methyl tert-butyl ether	25.0	25.0		ug/L		100	77 - 120
Methylcyclohexane	25.0	26.7		ug/L		107	68 - 134
Methylene Chloride	25.0	24.3		ug/L		97	75 - 124
Styrene	25.0	25.2		ug/L		101	80 - 120
Tetrachloroethene	25.0	27.1		ug/L		108	74 - 122
Toluene	25.0	24.4		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	24.2		ug/L		97	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	31.4		ug/L		126	62 - 150
Vinyl chloride	25.0	29.1		ug/L		116	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		77 - 120
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: MB 480-424720/9

Matrix: Water

Analysis Batch: 424720

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			07/16/18 22:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/16/18 22:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/16/18 22:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/16/18 22:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/16/18 22:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/16/18 22:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/16/18 22:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/16/18 22:51	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: MB 480-424720/9

Matrix: Water

Analysis Batch: 424720

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			07/16/18 22:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/16/18 22:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/16/18 22:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/16/18 22:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/16/18 22:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/16/18 22:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/16/18 22:51	1
2-Hexanone	ND		5.0	1.2	ug/L			07/16/18 22:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/16/18 22:51	1
Acetone	ND		10	3.0	ug/L			07/16/18 22:51	1
Benzene	ND		1.0	0.41	ug/L			07/16/18 22:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/16/18 22:51	1
Bromoform	ND		1.0	0.26	ug/L			07/16/18 22:51	1
Bromomethane	ND		1.0	0.69	ug/L			07/16/18 22:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/16/18 22:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/16/18 22:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/16/18 22:51	1
Chloroethane	ND		1.0	0.32	ug/L			07/16/18 22:51	1
Chloroform	ND		1.0	0.34	ug/L			07/16/18 22:51	1
Chloromethane	ND		1.0	0.35	ug/L			07/16/18 22:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/16/18 22:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/16/18 22:51	1
Cyclohexane	ND		1.0	0.18	ug/L			07/16/18 22:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/16/18 22:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/16/18 22:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/16/18 22:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/16/18 22:51	1
Methyl acetate	ND		2.5	1.3	ug/L			07/16/18 22:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/16/18 22:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/16/18 22:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/16/18 22:51	1
Styrene	ND		1.0	0.73	ug/L			07/16/18 22:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/16/18 22:51	1
Toluene	ND		1.0	0.51	ug/L			07/16/18 22:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/16/18 22:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/16/18 22:51	1
Trichloroethene	ND		1.0	0.46	ug/L			07/16/18 22:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/16/18 22:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/16/18 22:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/16/18 22:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		07/16/18 22:51	1
4-Bromofluorobenzene (Surr)	105		73 - 120		07/16/18 22:51	1
Toluene-d8 (Surr)	98		80 - 120		07/16/18 22:51	1
Dibromofluoromethane (Surr)	100		75 - 123		07/16/18 22:51	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: LCS 480-424720/8

Matrix: Water

Analysis Batch: 424720

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	26.4		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.9		ug/L		99	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.7		ug/L		111	61 - 148
1,1,2-Trichloroethane	25.0	25.5		ug/L		102	76 - 122
1,1-Dichloroethane	25.0	27.6		ug/L		111	77 - 120
1,1-Dichloroethene	25.0	24.6		ug/L		99	66 - 127
1,2,4-Trichlorobenzene	25.0	26.1		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.5		ug/L		94	56 - 134
1,2-Dibromoethane	25.0	26.8		ug/L		107	77 - 120
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	28.4		ug/L		114	75 - 120
1,2-Dichloropropane	25.0	27.2		ug/L		109	76 - 120
1,3-Dichlorobenzene	25.0	26.2		ug/L		105	77 - 120
1,4-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 120
2-Butanone (MEK)	125	184	*	ug/L		147	57 - 140
2-Hexanone	125	171	*	ug/L		137	65 - 127
4-Methyl-2-pentanone (MIBK)	125	151		ug/L		121	71 - 125
Acetone	125	199	*	ug/L		159	56 - 142
Benzene	25.0	25.9		ug/L		103	71 - 124
Bromodichloromethane	25.0	26.4		ug/L		106	80 - 122
Bromoform	25.0	24.9		ug/L		100	61 - 132
Bromomethane	25.0	30.4		ug/L		121	55 - 144
Carbon disulfide	25.0	25.4		ug/L		102	59 - 134
Carbon tetrachloride	25.0	29.8		ug/L		119	72 - 134
Chlorobenzene	25.0	25.5		ug/L		102	80 - 120
Chloroethane	25.0	34.7	*	ug/L		139	69 - 136
Chloroform	25.0	26.3		ug/L		105	73 - 127
Chloromethane	25.0	33.7	*	ug/L		135	68 - 124
cis-1,2-Dichloroethene	25.0	26.4		ug/L		106	74 - 124
cis-1,3-Dichloropropene	25.0	25.3		ug/L		101	74 - 124
Cyclohexane	25.0	29.4		ug/L		118	59 - 135
Dibromochloromethane	25.0	24.6		ug/L		98	75 - 125
Dichlorodifluoromethane	25.0	32.9		ug/L		131	59 - 135
Ethylbenzene	25.0	25.1		ug/L		100	77 - 123
Isopropylbenzene	25.0	25.4		ug/L		102	77 - 122
Methyl acetate	50.0	64.1		ug/L		128	74 - 133
Methyl tert-butyl ether	25.0	24.5		ug/L		98	77 - 120
Methylcyclohexane	25.0	28.0		ug/L		112	68 - 134
Methylene Chloride	25.0	24.5		ug/L		98	75 - 124
Styrene	25.0	26.5		ug/L		106	80 - 120
Tetrachloroethene	25.0	28.5		ug/L		114	74 - 122
Toluene	25.0	25.0		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	25.1		ug/L		101	73 - 127
trans-1,3-Dichloropropene	25.0	24.6		ug/L		98	80 - 120
Trichloroethene	25.0	26.3		ug/L		105	74 - 123
Trichlorofluoromethane	25.0	35.2		ug/L		141	62 - 150
Vinyl chloride	25.0	32.3		ug/L		129	65 - 133

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: LCS 480-424720/8

Matrix: Water

Analysis Batch: 424720

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	113		77 - 120
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	103		75 - 123

Lab Sample ID: MB 480-424746/7

Matrix: Water

Analysis Batch: 424746

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			07/17/18 10:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/17/18 10:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/17/18 10:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/17/18 10:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/17/18 10:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/17/18 10:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/17/18 10:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/17/18 10:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/17/18 10:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/17/18 10:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/17/18 10:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/17/18 10:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/17/18 10:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/17/18 10:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/17/18 10:48	1
2-Hexanone	ND		5.0	1.2	ug/L			07/17/18 10:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/17/18 10:48	1
Acetone	ND		10	3.0	ug/L			07/17/18 10:48	1
Benzene	ND		1.0	0.41	ug/L			07/17/18 10:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/17/18 10:48	1
Bromoform	ND		1.0	0.26	ug/L			07/17/18 10:48	1
Bromomethane	ND		1.0	0.69	ug/L			07/17/18 10:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/17/18 10:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/17/18 10:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/17/18 10:48	1
Chloroethane	ND		1.0	0.32	ug/L			07/17/18 10:48	1
Chloroform	ND		1.0	0.34	ug/L			07/17/18 10:48	1
Chloromethane	ND		1.0	0.35	ug/L			07/17/18 10:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/17/18 10:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/17/18 10:48	1
Cyclohexane	ND		1.0	0.18	ug/L			07/17/18 10:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/17/18 10:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/17/18 10:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/17/18 10:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/17/18 10:48	1
Methyl acetate	ND		2.5	1.3	ug/L			07/17/18 10:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/17/18 10:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/17/18 10:48	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: MB 480-424746/7

Matrix: Water

Analysis Batch: 424746

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			07/17/18 10:48	1
Styrene	ND		1.0	0.73	ug/L			07/17/18 10:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/17/18 10:48	1
Toluene	ND		1.0	0.51	ug/L			07/17/18 10:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/17/18 10:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/17/18 10:48	1
Trichloroethene	ND		1.0	0.46	ug/L			07/17/18 10:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/17/18 10:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/17/18 10:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/17/18 10:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		07/17/18 10:48	1
4-Bromofluorobenzene (Surr)	103		73 - 120		07/17/18 10:48	1
Toluene-d8 (Surr)	95		80 - 120		07/17/18 10:48	1
Dibromofluoromethane (Surr)	105		75 - 123		07/17/18 10:48	1

Lab Sample ID: LCS 480-424746/5

Matrix: Water

Analysis Batch: 424746

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	22.1		ug/L		88	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.1		ug/L		92	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.0		ug/L		96	61 - 148
1,1,2-Trichloroethane	25.0	24.5		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	23.6		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	19.6		ug/L		78	66 - 127
1,2,4-Trichlorobenzene	25.0	24.7		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.2		ug/L		89	56 - 134
1,2-Dibromoethane	25.0	24.3		ug/L		97	77 - 120
1,2-Dichlorobenzene	25.0	24.4		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	24.6		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	25.0		ug/L		100	76 - 120
1,3-Dichlorobenzene	25.0	24.7		ug/L		99	77 - 120
1,4-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 120
2-Butanone (MEK)	125	177	*	ug/L		141	57 - 140
2-Hexanone	125	168	*	ug/L		134	65 - 127
4-Methyl-2-pentanone (MIBK)	125	143		ug/L		114	71 - 125
Acetone	125	208	*	ug/L		167	56 - 142
Benzene	25.0	22.8		ug/L		91	71 - 124
Bromodichloromethane	25.0	22.7		ug/L		91	80 - 122
Bromoform	25.0	23.1		ug/L		93	61 - 132
Bromomethane	25.0	25.1		ug/L		100	55 - 144
Carbon disulfide	25.0	20.8		ug/L		83	59 - 134
Carbon tetrachloride	25.0	24.0		ug/L		96	72 - 134
Chlorobenzene	25.0	23.7		ug/L		95	80 - 120

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: LCS 480-424746/5

Matrix: Water

Analysis Batch: 424746

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	28.3		ug/L		113	69 - 136
Chloroform	25.0	22.3		ug/L		89	73 - 127
Chloromethane	25.0	28.8		ug/L		115	68 - 124
cis-1,2-Dichloroethene	25.0	22.1		ug/L		88	74 - 124
cis-1,3-Dichloropropene	25.0	22.0		ug/L		88	74 - 124
Cyclohexane	25.0	23.9		ug/L		95	59 - 135
Dibromochloromethane	25.0	23.1		ug/L		92	75 - 125
Dichlorodifluoromethane	25.0	24.2		ug/L		97	59 - 135
Ethylbenzene	25.0	23.2		ug/L		93	77 - 123
Isopropylbenzene	25.0	22.9		ug/L		92	77 - 122
Methyl acetate	50.0	57.7		ug/L		115	74 - 133
Methyl tert-butyl ether	25.0	21.9		ug/L		88	77 - 120
Methylcyclohexane	25.0	23.3		ug/L		93	68 - 134
Methylene Chloride	25.0	20.2		ug/L		81	75 - 124
Styrene	25.0	24.0		ug/L		96	80 - 120
Tetrachloroethene	25.0	25.4		ug/L		102	74 - 122
Toluene	25.0	23.4		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	20.8		ug/L		83	73 - 127
trans-1,3-Dichloropropene	25.0	22.3		ug/L		89	80 - 120
Trichloroethene	25.0	22.7		ug/L		91	74 - 123
Trichlorofluoromethane	25.0	25.4		ug/L		102	62 - 150
Vinyl chloride	25.0	24.5		ug/L		98	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	107		73 - 120
Toluene-d8 (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	97		75 - 123

Lab Sample ID: MB 480-424950/9

Matrix: Water

Analysis Batch: 424950

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			07/18/18 12:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/18/18 12:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/18/18 12:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/18/18 12:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/18/18 12:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/18/18 12:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/18/18 12:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/18/18 12:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/18/18 12:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/18/18 12:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/18/18 12:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/18/18 12:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/18/18 12:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/18/18 12:35	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: MB 480-424950/9

Matrix: Water

Analysis Batch: 424950

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			07/18/18 12:35	1
2-Hexanone	ND		5.0	1.2	ug/L			07/18/18 12:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/18/18 12:35	1
Acetone	ND		10	3.0	ug/L			07/18/18 12:35	1
Benzene	ND		1.0	0.41	ug/L			07/18/18 12:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/18/18 12:35	1
Bromoform	ND		1.0	0.26	ug/L			07/18/18 12:35	1
Bromomethane	ND		1.0	0.69	ug/L			07/18/18 12:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/18/18 12:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/18/18 12:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/18/18 12:35	1
Chloroethane	ND		1.0	0.32	ug/L			07/18/18 12:35	1
Chloroform	ND		1.0	0.34	ug/L			07/18/18 12:35	1
Chloromethane	ND		1.0	0.35	ug/L			07/18/18 12:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/18/18 12:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/18/18 12:35	1
Cyclohexane	ND		1.0	0.18	ug/L			07/18/18 12:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/18/18 12:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/18/18 12:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/18/18 12:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/18/18 12:35	1
Methyl acetate	ND		2.5	1.3	ug/L			07/18/18 12:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/18/18 12:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/18/18 12:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/18/18 12:35	1
Styrene	ND		1.0	0.73	ug/L			07/18/18 12:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/18/18 12:35	1
Toluene	ND		1.0	0.51	ug/L			07/18/18 12:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/18/18 12:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/18/18 12:35	1
Trichloroethene	ND		1.0	0.46	ug/L			07/18/18 12:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/18/18 12:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/18/18 12:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/18/18 12:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		07/18/18 12:35	1
4-Bromofluorobenzene (Surr)	95		73 - 120		07/18/18 12:35	1
Toluene-d8 (Surr)	91		80 - 120		07/18/18 12:35	1
Dibromofluoromethane (Surr)	95		75 - 123		07/18/18 12:35	1

Lab Sample ID: LCS 480-424950/5

Matrix: Water

Analysis Batch: 424950

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	25.8		ug/L		103	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.9		ug/L		104	76 - 120

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: LCS 480-424950/5

Matrix: Water

Analysis Batch: 424950

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	23.9		ug/L		96	61 - 148
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	76 - 122
1,1-Dichloroethane	25.0	25.8		ug/L		103	77 - 120
1,1-Dichloroethene	25.0	24.0		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	25.0	25.1		ug/L		101	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.3		ug/L		93	56 - 134
1,2-Dibromoethane	25.0	25.1		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	24.9		ug/L		100	76 - 120
1,3-Dichlorobenzene	25.0	24.9		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	25.1		ug/L		100	80 - 120
2-Butanone (MEK)	125	144		ug/L		115	57 - 140
2-Hexanone	125	126		ug/L		101	65 - 127
4-Methyl-2-pentanone (MIBK)	125	125		ug/L		100	71 - 125
Acetone	125	151		ug/L		121	56 - 142
Benzene	25.0	25.9		ug/L		104	71 - 124
Bromodichloromethane	25.0	26.9		ug/L		108	80 - 122
Bromoform	25.0	27.1		ug/L		108	61 - 132
Bromomethane	25.0	25.4		ug/L		102	55 - 144
Carbon disulfide	25.0	26.1		ug/L		104	59 - 134
Carbon tetrachloride	25.0	26.1		ug/L		105	72 - 134
Chlorobenzene	25.0	25.4		ug/L		102	80 - 120
Chloroethane	25.0	25.9		ug/L		103	69 - 136
Chloroform	25.0	24.4		ug/L		98	73 - 127
Chloromethane	25.0	28.0		ug/L		112	68 - 124
cis-1,2-Dichloroethene	25.0	26.5		ug/L		106	74 - 124
cis-1,3-Dichloropropene	25.0	25.4		ug/L		101	74 - 124
Cyclohexane	25.0	26.9		ug/L		108	59 - 135
Dibromochloromethane	25.0	26.4		ug/L		105	75 - 125
Dichlorodifluoromethane	25.0	32.6		ug/L		131	59 - 135
Ethylbenzene	25.0	25.4		ug/L		102	77 - 123
Isopropylbenzene	25.0	24.9		ug/L		99	77 - 122
Methyl acetate	50.0	51.8		ug/L		104	74 - 133
Methyl tert-butyl ether	25.0	25.2		ug/L		101	77 - 120
Methylcyclohexane	25.0	28.1		ug/L		112	68 - 134
Methylene Chloride	25.0	25.2		ug/L		101	75 - 124
Styrene	25.0	25.7		ug/L		103	80 - 120
Tetrachloroethene	25.0	25.1		ug/L		100	74 - 122
Toluene	25.0	25.2		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	27.3		ug/L		109	73 - 127
trans-1,3-Dichloropropene	25.0	24.3		ug/L		97	80 - 120
Trichloroethene	25.0	25.3		ug/L		101	74 - 123
Trichlorofluoromethane	25.0	29.1		ug/L		116	62 - 150
Vinyl chloride	25.0	27.5		ug/L		110	65 - 133

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: LCS 480-424950/5

Matrix: Water

Analysis Batch: 424950

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)	99		73 - 120
Toluene-d8 (Surr)	93		80 - 120
Dibromofluoromethane (Surr)	104		75 - 123

Lab Sample ID: MB 480-425155/7

Matrix: Water

Analysis Batch: 425155

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			07/18/18 20:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/18/18 20:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/18/18 20:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/18/18 20:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/18/18 20:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/18/18 20:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/18/18 20:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/18/18 20:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/18/18 20:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/18/18 20:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/18/18 20:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/18/18 20:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/18/18 20:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/18/18 20:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/18/18 20:57	1
2-Hexanone	ND		5.0	1.2	ug/L			07/18/18 20:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/18/18 20:57	1
Acetone	ND		10	3.0	ug/L			07/18/18 20:57	1
Benzene	ND		1.0	0.41	ug/L			07/18/18 20:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/18/18 20:57	1
Bromoform	ND		1.0	0.26	ug/L			07/18/18 20:57	1
Bromomethane	ND		1.0	0.69	ug/L			07/18/18 20:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/18/18 20:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/18/18 20:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/18/18 20:57	1
Chloroethane	ND		1.0	0.32	ug/L			07/18/18 20:57	1
Chloroform	ND		1.0	0.34	ug/L			07/18/18 20:57	1
Chloromethane	ND		1.0	0.35	ug/L			07/18/18 20:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/18/18 20:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/18/18 20:57	1
Cyclohexane	ND		1.0	0.18	ug/L			07/18/18 20:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/18/18 20:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/18/18 20:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/18/18 20:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/18/18 20:57	1
Methyl acetate	ND		2.5	1.3	ug/L			07/18/18 20:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/18/18 20:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/18/18 20:57	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: MB 480-425155/7

Matrix: Water

Analysis Batch: 425155

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			07/18/18 20:57	1
Styrene	ND		1.0	0.73	ug/L			07/18/18 20:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/18/18 20:57	1
Toluene	ND		1.0	0.51	ug/L			07/18/18 20:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/18/18 20:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/18/18 20:57	1
Trichloroethene	ND		1.0	0.46	ug/L			07/18/18 20:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/18/18 20:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/18/18 20:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/18/18 20:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		07/18/18 20:57	1
4-Bromofluorobenzene (Surr)	100		73 - 120		07/18/18 20:57	1
Toluene-d8 (Surr)	92		80 - 120		07/18/18 20:57	1
Dibromofluoromethane (Surr)	100		75 - 123		07/18/18 20:57	1

Lab Sample ID: LCS 480-425155/5

Matrix: Water

Analysis Batch: 425155

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	21.5		ug/L		86	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.6		ug/L		94	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	16.5		ug/L		66	61 - 148
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	76 - 122
1,1-Dichloroethane	25.0	23.6		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	22.2		ug/L		89	66 - 127
1,2,4-Trichlorobenzene	25.0	23.5		ug/L		94	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.1		ug/L		84	56 - 134
1,2-Dibromoethane	25.0	24.2		ug/L		97	77 - 120
1,2-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 124
1,2-Dichloroethane	25.0	24.4		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	23.5		ug/L		94	76 - 120
1,3-Dichlorobenzene	25.0	22.7		ug/L		91	77 - 120
1,4-Dichlorobenzene	25.0	23.0		ug/L		92	80 - 120
2-Butanone (MEK)	125	124		ug/L		99	57 - 140
2-Hexanone	125	113		ug/L		90	65 - 127
4-Methyl-2-pentanone (MIBK)	125	114		ug/L		91	71 - 125
Acetone	125	120		ug/L		96	56 - 142
Benzene	25.0	23.3		ug/L		93	71 - 124
Bromodichloromethane	25.0	24.5		ug/L		98	80 - 122
Bromoform	25.0	25.4		ug/L		102	61 - 132
Bromomethane	25.0	23.9		ug/L		95	55 - 144
Carbon disulfide	25.0	20.7		ug/L		83	59 - 134
Carbon tetrachloride	25.0	21.9		ug/L		88	72 - 134
Chlorobenzene	25.0	23.9		ug/L		96	80 - 120

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: LCS 480-425155/5

Matrix: Water

Analysis Batch: 425155

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	25.4		ug/L		102	69 - 136
Chloroform	25.0	23.1		ug/L		92	73 - 127
Chloromethane	25.0	25.8		ug/L		103	68 - 124
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	24.2		ug/L		97	74 - 124
Cyclohexane	25.0	16.9		ug/L		68	59 - 135
Dibromochloromethane	25.0	24.9		ug/L		100	75 - 125
Dichlorodifluoromethane	25.0	21.9		ug/L		88	59 - 135
Ethylbenzene	25.0	23.0		ug/L		92	77 - 123
Isopropylbenzene	25.0	21.9		ug/L		88	77 - 122
Methyl acetate	50.0	50.4		ug/L		101	74 - 133
Methyl tert-butyl ether	25.0	23.1		ug/L		93	77 - 120
Methylcyclohexane	25.0	19.0		ug/L		76	68 - 134
Methylene Chloride	25.0	22.0		ug/L		88	75 - 124
Styrene	25.0	23.5		ug/L		94	80 - 120
Tetrachloroethene	25.0	23.1		ug/L		92	74 - 122
Toluene	25.0	23.1		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	24.6		ug/L		98	73 - 127
trans-1,3-Dichloropropene	25.0	23.5		ug/L		94	80 - 120
Trichloroethene	25.0	22.5		ug/L		90	74 - 123
Trichlorofluoromethane	25.0	22.1		ug/L		88	62 - 150
Vinyl chloride	25.0	24.3		ug/L		97	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	105		75 - 123

Lab Sample ID: MB 480-425702/27

Matrix: Water

Analysis Batch: 425702

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			07/22/18 00:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/18 00:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/18 00:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/18 00:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/22/18 00:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/18 00:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/18 00:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/18 00:07	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/18 00:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/18 00:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/22/18 00:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/18 00:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/18 00:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/18 00:07	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: MB 480-425702/27

Matrix: Water

Analysis Batch: 425702

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			07/22/18 00:07	1
2-Hexanone	ND		5.0	1.2	ug/L			07/22/18 00:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/18 00:07	1
Acetone	ND		10	3.0	ug/L			07/22/18 00:07	1
Benzene	ND		1.0	0.41	ug/L			07/22/18 00:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/22/18 00:07	1
Bromoform	ND		1.0	0.26	ug/L			07/22/18 00:07	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/18 00:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/22/18 00:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/18 00:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/18 00:07	1
Chloroethane	ND		1.0	0.32	ug/L			07/22/18 00:07	1
Chloroform	ND		1.0	0.34	ug/L			07/22/18 00:07	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/18 00:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/22/18 00:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/18 00:07	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/18 00:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/18 00:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/18 00:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/18 00:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/18 00:07	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/18 00:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/22/18 00:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/18 00:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/22/18 00:07	1
Styrene	ND		1.0	0.73	ug/L			07/22/18 00:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/18 00:07	1
Toluene	ND		1.0	0.51	ug/L			07/22/18 00:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/22/18 00:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/18 00:07	1
Trichloroethene	ND		1.0	0.46	ug/L			07/22/18 00:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/18 00:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/22/18 00:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/18 00:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		07/22/18 00:07	1
4-Bromofluorobenzene (Surr)	102		73 - 120		07/22/18 00:07	1
Toluene-d8 (Surr)	99		80 - 120		07/22/18 00:07	1
Dibromofluoromethane (Surr)	97		75 - 123		07/22/18 00:07	1

Lab Sample ID: LCS 480-425702/26

Matrix: Water

Analysis Batch: 425702

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	25.8		ug/L		103	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	76 - 120

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: LCS 480-425702/26

Matrix: Water

Analysis Batch: 425702

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	24.5		ug/L		98	61 - 148
1,1,2-Trichloroethane	25.0	23.0		ug/L		92	76 - 122
1,1-Dichloroethane	25.0	24.4		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	26.1		ug/L		105	66 - 127
1,2,4-Trichlorobenzene	25.0	25.5		ug/L		102	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.7		ug/L		103	56 - 134
1,2-Dibromoethane	25.0	23.6		ug/L		95	77 - 120
1,2-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	23.2		ug/L		93	75 - 120
1,2-Dichloropropane	25.0	23.0		ug/L		92	76 - 120
1,3-Dichlorobenzene	25.0	24.4		ug/L		98	77 - 120
1,4-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 120
2-Butanone (MEK)	125	116		ug/L		93	57 - 140
2-Hexanone	125	129		ug/L		103	65 - 127
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	71 - 125
Acetone	125	129		ug/L		103	56 - 142
Benzene	25.0	23.7		ug/L		95	71 - 124
Bromodichloromethane	25.0	24.1		ug/L		96	80 - 122
Bromoform	25.0	25.5		ug/L		102	61 - 132
Bromomethane	25.0	24.4		ug/L		97	55 - 144
Carbon disulfide	25.0	26.1		ug/L		104	59 - 134
Carbon tetrachloride	25.0	25.1		ug/L		100	72 - 134
Chlorobenzene	25.0	23.7		ug/L		95	80 - 120
Chloroethane	25.0	23.4		ug/L		93	69 - 136
Chloroform	25.0	23.8		ug/L		95	73 - 127
Chloromethane	25.0	22.8		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	23.5		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	25.1		ug/L		100	74 - 124
Cyclohexane	25.0	23.8		ug/L		95	59 - 135
Dibromochloromethane	25.0	26.1		ug/L		104	75 - 125
Dichlorodifluoromethane	25.0	23.1		ug/L		93	59 - 135
Ethylbenzene	25.0	26.0		ug/L		104	77 - 123
Isopropylbenzene	25.0	25.6		ug/L		103	77 - 122
Methyl acetate	50.0	45.8		ug/L		92	74 - 133
Methyl tert-butyl ether	25.0	25.5		ug/L		102	77 - 120
Methylcyclohexane	25.0	25.2		ug/L		101	68 - 134
Methylene Chloride	25.0	21.6		ug/L		87	75 - 124
Styrene	25.0	25.7		ug/L		103	80 - 120
Tetrachloroethene	25.0	24.9		ug/L		100	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	26.8		ug/L		107	80 - 120
Trichloroethene	25.0	24.7		ug/L		99	74 - 123
Trichlorofluoromethane	25.0	25.1		ug/L		100	62 - 150
Vinyl chloride	25.0	24.7		ug/L		99	65 - 133

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: LCS 480-425702/26
Matrix: Water
Analysis Batch: 425702

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	102		75 - 123

Lab Sample ID: MB 480-425707/7
Matrix: Water
Analysis Batch: 425707

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			07/22/18 10:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/22/18 10:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/22/18 10:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/22/18 10:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/22/18 10:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/22/18 10:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/22/18 10:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/22/18 10:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/22/18 10:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/22/18 10:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/22/18 10:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/22/18 10:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/22/18 10:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/22/18 10:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/22/18 10:48	1
2-Hexanone	ND		5.0	1.2	ug/L			07/22/18 10:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/22/18 10:48	1
Acetone	ND		10	3.0	ug/L			07/22/18 10:48	1
Benzene	ND		1.0	0.41	ug/L			07/22/18 10:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/22/18 10:48	1
Bromoform	ND		1.0	0.26	ug/L			07/22/18 10:48	1
Bromomethane	ND		1.0	0.69	ug/L			07/22/18 10:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/22/18 10:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/22/18 10:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/22/18 10:48	1
Chloroethane	ND		1.0	0.32	ug/L			07/22/18 10:48	1
Chloroform	ND		1.0	0.34	ug/L			07/22/18 10:48	1
Chloromethane	ND		1.0	0.35	ug/L			07/22/18 10:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/22/18 10:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/22/18 10:48	1
Cyclohexane	ND		1.0	0.18	ug/L			07/22/18 10:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/22/18 10:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/22/18 10:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/22/18 10:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/22/18 10:48	1
Methyl acetate	ND		2.5	1.3	ug/L			07/22/18 10:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/22/18 10:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/22/18 10:48	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: MB 480-425707/7

Matrix: Water

Analysis Batch: 425707

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			07/22/18 10:48	1
Styrene	ND		1.0	0.73	ug/L			07/22/18 10:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/22/18 10:48	1
Toluene	ND		1.0	0.51	ug/L			07/22/18 10:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/22/18 10:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/22/18 10:48	1
Trichloroethene	ND		1.0	0.46	ug/L			07/22/18 10:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/22/18 10:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/22/18 10:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/22/18 10:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		07/22/18 10:48	1
4-Bromofluorobenzene (Surr)	99		73 - 120		07/22/18 10:48	1
Toluene-d8 (Surr)	99		80 - 120		07/22/18 10:48	1
Dibromofluoromethane (Surr)	102		75 - 123		07/22/18 10:48	1

Lab Sample ID: LCS 480-425707/5

Matrix: Water

Analysis Batch: 425707

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	24.6		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.2		ug/L		93	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	20.2		ug/L		81	61 - 148
1,1,2-Trichloroethane	25.0	24.1		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	23.7		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	22.4		ug/L		89	66 - 127
1,2,4-Trichlorobenzene	25.0	25.7		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.5		ug/L		102	56 - 134
1,2-Dibromoethane	25.0	22.6		ug/L		90	77 - 120
1,2-Dichlorobenzene	25.0	24.6		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	22.7		ug/L		91	75 - 120
1,2-Dichloropropane	25.0	23.9		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	25.1		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	24.1		ug/L		96	80 - 120
2-Butanone (MEK)	125	121		ug/L		96	57 - 140
2-Hexanone	125	120		ug/L		96	65 - 127
4-Methyl-2-pentanone (MIBK)	125	120		ug/L		96	71 - 125
Acetone	125	107		ug/L		86	56 - 142
Benzene	25.0	24.0		ug/L		96	71 - 124
Bromodichloromethane	25.0	24.1		ug/L		96	80 - 122
Bromoform	25.0	23.2		ug/L		93	61 - 132
Bromomethane	25.0	22.6		ug/L		90	55 - 144
Carbon disulfide	25.0	24.3		ug/L		97	59 - 134
Carbon tetrachloride	25.0	22.8		ug/L		91	72 - 134
Chlorobenzene	25.0	23.9		ug/L		95	80 - 120

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: LCS 480-425707/5

Matrix: Water

Analysis Batch: 425707

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	24.3		ug/L		97	69 - 136
Chloroform	25.0	23.4		ug/L		94	73 - 127
Chloromethane	25.0	22.4		ug/L		90	68 - 124
cis-1,2-Dichloroethene	25.0	24.3		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	26.0		ug/L		104	74 - 124
Cyclohexane	25.0	23.7		ug/L		95	59 - 135
Dibromochloromethane	25.0	25.6		ug/L		102	75 - 125
Dichlorodifluoromethane	25.0	23.8		ug/L		95	59 - 135
Ethylbenzene	25.0	25.0		ug/L		100	77 - 123
Isopropylbenzene	25.0	25.5		ug/L		102	77 - 122
Methyl acetate	50.0	44.6		ug/L		89	74 - 133
Methyl tert-butyl ether	25.0	24.7		ug/L		99	77 - 120
Methylcyclohexane	25.0	23.0		ug/L		92	68 - 134
Methylene Chloride	25.0	23.1		ug/L		92	75 - 124
Styrene	25.0	25.2		ug/L		101	80 - 120
Tetrachloroethene	25.0	23.7		ug/L		95	74 - 122
Toluene	25.0	24.1		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	23.7		ug/L		95	73 - 127
trans-1,3-Dichloropropene	25.0	25.3		ug/L		101	80 - 120
Trichloroethene	25.0	23.9		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	23.4		ug/L		94	62 - 150
Vinyl chloride	25.0	22.2		ug/L		89	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	105		75 - 123

Lab Sample ID: 480-138931-10 MS

Matrix: Water

Analysis Batch: 425707

Client Sample ID: MW-8R

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	F2	250	249		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	ND	F2 F1	250	228		ug/L		91	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	180		ug/L		72	61 - 148
1,1,2-Trichloroethane	ND	F2	250	241		ug/L		96	76 - 122
1,1-Dichloroethane	9.8	J F2 F1	250	250		ug/L		96	77 - 120
1,1-Dichloroethene	ND	F2	250	243		ug/L		97	66 - 127
1,2,4-Trichlorobenzene	ND		250	239		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	ND	F2	250	240		ug/L		96	56 - 134
1,2-Dibromoethane	ND	F2 F1	250	236		ug/L		94	77 - 120
1,2-Dichlorobenzene	ND	F2 F1	250	237		ug/L		95	80 - 124
1,2-Dichloroethane	ND	F2 F1	250	233		ug/L		93	75 - 120
1,2-Dichloropropane	ND	F2	250	244		ug/L		98	76 - 120
1,3-Dichlorobenzene	ND	F2	250	244		ug/L		98	77 - 120

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: 480-138931-10 MS

Matrix: Water

Analysis Batch: 425707

Client Sample ID: MW-8R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	ND	F2 F1	250	237		ug/L		95	78 - 124
2-Butanone (MEK)	24	J F2	1250	1220		ug/L		95	57 - 140
2-Hexanone	ND	F2	1250	1150		ug/L		92	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		1250	1180		ug/L		95	71 - 125
Acetone	34	J F2	1250	1240		ug/L		97	56 - 142
Benzene	ND	F2	250	243		ug/L		97	71 - 124
Bromodichloromethane	ND	F2 F1	250	240		ug/L		96	80 - 122
Bromoform	ND	F2	250	203		ug/L		81	61 - 132
Bromomethane	ND		250	212		ug/L		85	55 - 144
Carbon disulfide	ND	F2	250	234		ug/L		94	59 - 134
Carbon tetrachloride	ND	F2	250	244		ug/L		98	72 - 134
Chlorobenzene	ND	F1	250	238		ug/L		95	80 - 120
Chloroethane	47		250	302		ug/L		102	69 - 136
Chloroform	ND	F2	250	235		ug/L		94	73 - 127
Chloromethane	ND	F2	250	239		ug/L		96	68 - 124
cis-1,2-Dichloroethene	30	F2	250	273		ug/L		97	74 - 124
cis-1,3-Dichloropropene	ND	F2	250	252		ug/L		101	74 - 124
Cyclohexane	ND		250	219		ug/L		88	59 - 135
Dibromochloromethane	ND	F2	250	238		ug/L		95	75 - 125
Dichlorodifluoromethane	ND	F2	250	276		ug/L		111	59 - 135
Ethylbenzene	ND	F2	250	247		ug/L		99	77 - 123
Isopropylbenzene	ND	F2	250	250		ug/L		100	77 - 122
Methyl acetate	ND	F2 F1	500	458		ug/L		92	74 - 133
Methyl tert-butyl ether	ND		250	246		ug/L		98	77 - 120
Methylcyclohexane	ND	F2	250	233		ug/L		93	68 - 134
Methylene Chloride	ND	F2 F1	250	243		ug/L		97	75 - 124
Styrene	ND	F2	250	254		ug/L		102	80 - 120
Tetrachloroethene	ND		250	237		ug/L		95	74 - 122
Toluene	33	F2 F1	250	265		ug/L		93	80 - 122
trans-1,2-Dichloroethene	ND	F2	250	242		ug/L		97	73 - 127
trans-1,3-Dichloropropene	ND	F2 F1	250	246		ug/L		99	80 - 120
Trichloroethene	ND	F2	250	243		ug/L		97	74 - 123
Trichlorofluoromethane	ND	F2	250	279		ug/L		112	62 - 150
Vinyl chloride	190		250	405		ug/L		87	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	104		75 - 123

Lab Sample ID: 480-138931-10 MSD

Matrix: Water

Analysis Batch: 425707

Client Sample ID: MW-8R

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	F2	250	194	F2	ug/L		78	73 - 126	25	15
1,1,2,2-Tetrachloroethane	ND	F2 F1	250	181	F1 F2	ug/L		72	76 - 120	23	15

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: 480-138931-10 MSD

Matrix: Water

Analysis Batch: 425707

Client Sample ID: MW-8R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	181		ug/L		72	61 - 148	1	20
1,1,2-Trichloroethane	ND	F2	250	191	F2	ug/L		76	76 - 122	23	15
1,1-Dichloroethane	9.8	J F2 F1	250	197	F1 F2	ug/L		75	77 - 120	24	20
1,1-Dichloroethene	ND	F2	250	188	F2	ug/L		75	66 - 127	26	16
1,2,4-Trichlorobenzene	ND		250	202		ug/L		81	79 - 122	17	20
1,2-Dibromo-3-Chloropropane	ND	F2	250	189	F2	ug/L		76	56 - 134	24	15
1,2-Dibromoethane	ND	F2 F1	250	184	F1 F2	ug/L		73	77 - 120	25	15
1,2-Dichlorobenzene	ND	F2 F1	250	191	F1 F2	ug/L		76	80 - 124	22	20
1,2-Dichloroethane	ND	F2 F1	250	182	F1 F2	ug/L		73	75 - 120	24	20
1,2-Dichloropropane	ND	F2	250	190	F2	ug/L		76	76 - 120	25	20
1,3-Dichlorobenzene	ND	F2	250	198	F2	ug/L		79	77 - 120	21	20
1,4-Dichlorobenzene	ND	F2 F1	250	191	F1 F2	ug/L		76	78 - 124	22	20
2-Butanone (MEK)	24	J F2	1250	912	F2	ug/L		71	57 - 140	29	20
2-Hexanone	ND	F2	1250	905	F2	ug/L		72	65 - 127	24	15
4-Methyl-2-pentanone (MIBK)	ND		1250	933		ug/L		75	71 - 125	24	35
Acetone	34	J F2	1250	965	F2	ug/L		74	56 - 142	25	15
Benzene	ND	F2	250	198	F2	ug/L		79	71 - 124	20	13
Bromodichloromethane	ND	F2 F1	250	191	F1 F2	ug/L		76	80 - 122	23	15
Bromoform	ND	F2	250	155	F2	ug/L		62	61 - 132	27	15
Bromomethane	ND		250	186		ug/L		75	55 - 144	13	15
Carbon disulfide	ND	F2	250	187	F2	ug/L		75	59 - 134	22	15
Carbon tetrachloride	ND	F2	250	195	F2	ug/L		78	72 - 134	22	15
Chlorobenzene	ND	F1	250	193	F1	ug/L		77	80 - 120	21	25
Chloroethane	47		250	264		ug/L		87	69 - 136	13	15
Chloroform	ND	F2	250	189	F2	ug/L		75	73 - 127	22	20
Chloromethane	ND	F2	250	194	F2	ug/L		78	68 - 124	21	15
cis-1,2-Dichloroethene	30	F2	250	223	F2	ug/L		77	74 - 124	20	15
cis-1,3-Dichloropropene	ND	F2	250	192	F2	ug/L		77	74 - 124	27	15
Cyclohexane	ND		250	193		ug/L		77	59 - 135	13	20
Dibromochloromethane	ND	F2	250	190	F2	ug/L		76	75 - 125	22	15
Dichlorodifluoromethane	ND	F2	250	213	F2	ug/L		85	59 - 135	26	20
Ethylbenzene	ND	F2	250	200	F2	ug/L		80	77 - 123	21	15
Isopropylbenzene	ND	F2	250	201	F2	ug/L		80	77 - 122	22	20
Methyl acetate	ND	F2 F1	500	334	F1 F2	ug/L		67	74 - 133	31	20
Methyl tert-butyl ether	ND		250	196		ug/L		78	77 - 120	23	37
Methylcyclohexane	ND	F2	250	185	F2	ug/L		74	68 - 134	23	20
Methylene Chloride	ND	F2 F1	250	181	F1 F2	ug/L		72	75 - 124	30	15
Styrene	ND	F2	250	203	F2	ug/L		81	80 - 120	23	20
Tetrachloroethene	ND		250	193		ug/L		77	74 - 122	20	20
Toluene	33	F2 F1	250	217	F1 F2	ug/L		73	80 - 122	20	15
trans-1,2-Dichloroethene	ND	F2	250	192	F2	ug/L		77	73 - 127	23	20
trans-1,3-Dichloropropene	ND	F2 F1	250	192	F1 F2	ug/L		77	80 - 120	25	15
Trichloroethene	ND	F2	250	188	F2	ug/L		75	74 - 123	26	16
Trichlorofluoromethane	ND	F2	250	223	F2	ug/L		89	62 - 150	22	20
Vinyl chloride	190		250	365		ug/L		71	65 - 133	10	15

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-138781-1

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

Lab Sample ID: 480-138931-10 MSD

Matrix: Water

Analysis Batch: 425707

Client Sample ID: MW-8R

Prep Type: Total/NA

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	109		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	104		75 - 123

Definitions/Glossary

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

TestAmerica Job ID: 480-138781-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
F2	MS/MSD RPD exceeds control limits
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)

QC Association Summary

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

TestAmerica Job ID: 480-138781-1

GC/MS VOA

Analysis Batch: 424504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-138781-1	Rinse Blank	Total/NA	Water	8260C	
480-138781-3	DPE-8	Total/NA	Water	8260C	
MB 480-424504/7	Method Blank	Total/NA	Water	8260C	
LCS 480-424504/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 424528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-138781-7	DPE-2	Total/NA	Water	8260C	
MB 480-424528/7	Method Blank	Total/NA	Water	8260C	
LCS 480-424528/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 424720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-138781-5	Trip-0712-18	Total/NA	Water	8260C	
480-138781-6	DPE-1	Total/NA	Water	8260C	
MB 480-424720/9	Method Blank	Total/NA	Water	8260C	
LCS 480-424720/8	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 424746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-138781-8	DPE-3	Total/NA	Water	8260C	
480-138781-9	DPE-4	Total/NA	Water	8260C	
480-138781-11	DPE-7	Total/NA	Water	8260C	
480-138781-12	MW-11	Total/NA	Water	8260C	
MB 480-424746/7	Method Blank	Total/NA	Water	8260C	
LCS 480-424746/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 424950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-138781-9 - DL	DPE-4	Total/NA	Water	8260C	
480-138781-10	DPE-5	Total/NA	Water	8260C	
MB 480-424950/9	Method Blank	Total/NA	Water	8260C	
LCS 480-424950/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 425155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-138781-2	DPE-6	Total/NA	Water	8260C	
480-138781-4	GWCT	Total/NA	Water	8260C	
MB 480-425155/7	Method Blank	Total/NA	Water	8260C	
LCS 480-425155/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 425702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-138931-1	MW-2	Total/NA	Water	8260C	
480-138931-2	MW-3	Total/NA	Water	8260C	
480-138931-3	MW-4	Total/NA	Water	8260C	
480-138931-4	Trip Blank - 071318	Total/NA	Water	8260C	
480-138931-5	MW-10	Total/NA	Water	8260C	
480-138931-6	MW-13S	Total/NA	Water	8260C	
480-138931-7	MW-12	Total/NA	Water	8260C	
480-138931-8	MW-16S	Total/NA	Water	8260C	

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-138781-1

GC/MS VOA (Continued)

Analysis Batch: 425702 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-138931-9	Duplicate	Total/NA	Water	8260C	
480-138931-11	MW-16D	Total/NA	Water	8260C	
480-138931-12	MW-13D	Total/NA	Water	8260C	
MB 480-425702/27	Method Blank	Total/NA	Water	8260C	
LCS 480-425702/26	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 425707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-138931-9 - DL	Duplicate	Total/NA	Water	8260C	
480-138931-10	MW-8R	Total/NA	Water	8260C	
MB 480-425707/7	Method Blank	Total/NA	Water	8260C	
LCS 480-425707/5	Lab Control Sample	Total/NA	Water	8260C	
480-138931-10 MS	MW-8R	Total/NA	Water	8260C	
480-138931-10 MSD	MW-8R	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: Rinse Blank

Date Collected: 07/12/18 13:40

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	424504	07/15/18 11:27	AMM	TAL BUF

Client Sample ID: DPE-6

Date Collected: 07/12/18 13:10

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	425155	07/19/18 02:42	LCH	TAL BUF

Client Sample ID: DPE-8

Date Collected: 07/12/18 12:55

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	424504	07/15/18 11:54	AMM	TAL BUF

Client Sample ID: GWCT

Date Collected: 07/12/18 11:55

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	425155	07/19/18 03:05	LCH	TAL BUF

Client Sample ID: Trip-0712-18

Date Collected: 07/12/18 00:00

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	424720	07/17/18 04:58	AMM	TAL BUF

Client Sample ID: DPE-1

Date Collected: 07/12/18 12:15

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	424720	07/17/18 05:26	AMM	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: DPE-2

Date Collected: 07/12/18 12:40

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	424528	07/16/18 10:53	AEM	TAL BUF

Client Sample ID: DPE-3

Date Collected: 07/12/18 12:45

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	424746	07/17/18 11:57	AMM	TAL BUF

Client Sample ID: DPE-4

Date Collected: 07/12/18 12:30

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	424746	07/17/18 12:24	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	50	424950	07/18/18 13:44	NMC	TAL BUF

Client Sample ID: DPE-5

Date Collected: 07/12/18 12:25

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	424950	07/18/18 14:08	NMC	TAL BUF

Client Sample ID: DPE-7

Date Collected: 07/12/18 12:50

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	424746	07/17/18 13:19	AMM	TAL BUF

Client Sample ID: MW-11

Date Collected: 07/12/18 14:55

Date Received: 07/12/18 16:15

Lab Sample ID: 480-138781-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	424746	07/17/18 13:46	AMM	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-2

Date Collected: 07/13/18 08:45

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	425702	07/22/18 01:31	AMM	TAL BUF

Client Sample ID: MW-3

Date Collected: 07/13/18 09:15

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	425702	07/22/18 01:58	AMM	TAL BUF

Client Sample ID: MW-4

Date Collected: 07/13/18 13:05

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	425702	07/22/18 02:25	AMM	TAL BUF

Client Sample ID: Trip Blank - 071318

Date Collected: 07/13/18 00:00

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	425702	07/22/18 02:52	AMM	TAL BUF

Client Sample ID: MW-10

Date Collected: 07/13/18 10:35

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	425702	07/22/18 03:20	AMM	TAL BUF

Client Sample ID: MW-13S

Date Collected: 07/13/18 12:20

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	425702	07/22/18 03:47	AMM	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-138781-1

Client Sample ID: MW-12

Date Collected: 07/13/18 09:50

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	425702	07/22/18 04:14	AMM	TAL BUF

Client Sample ID: MW-16S

Date Collected: 07/13/18 14:20

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1000	425702	07/22/18 04:42	AMM	TAL BUF

Client Sample ID: Duplicate

Date Collected: 07/13/18 12:30

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	425702	07/22/18 05:09	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	10	425707	07/22/18 11:23	S1V	TAL BUF

Client Sample ID: MW-8R

Date Collected: 07/13/18 14:15

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	425707	07/22/18 11:46	S1V	TAL BUF

Client Sample ID: MW-16D

Date Collected: 07/13/18 15:15

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	425702	07/22/18 06:03	AMM	TAL BUF

Client Sample ID: MW-13D

Date Collected: 07/13/18 12:15

Date Received: 07/13/18 16:15

Lab Sample ID: 480-138931-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	425702	07/22/18 06:30	AMM	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: AECOM

TestAmerica Job ID: 480-138781-1

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	03-31-19

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo

Job No.: 480-138781-1

SDG No.: _____

Matrix: Water

Level: Low

GC Column (1): ZB-624 (20) ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
Rinse Blank	480-138781-1	97	108	94	106
DPE-6	480-138781-2	100	95	92	98
DPE-8	480-138781-3	98	112	95	103
GWCT	480-138781-4	105	96	93	99
Trip-0712-18	480-138781-5	105	111	97	105
DPE-1	480-138781-6	105	114	95	101
DPE-2	480-138781-7	105	117	92	102
DPE-3	480-138781-8	102	112	97	103
DPE-4	480-138781-9	101	110	96	103
DPE-4 DL	480-138781-9 DL	100	99	91	100
DPE-5	480-138781-10	102	97	90	96
DPE-7	480-138781-11	103	113	91	105
MW-11	480-138781-12	108	115	93	104
MW-2	480-138931-1	100	103	99	100
MW-3	480-138931-2	100	103	99	103
MW-4	480-138931-3	94	100	103	103
Trip Blank - 071318	480-138931-4	105	107	101	102
MW-10	480-138931-5	95	104	101	100
MW-13S	480-138931-6	99	107	101	102
MW-12	480-138931-7	103	107	103	103
MW-16S	480-138931-8	102	107	99	103
Duplicate	480-138931-9	105	106	101	103
Duplicate DL	480-138931-9 DL	100	98	100	96
MW-8R	480-138931-10	100	97	97	97
MW-16D	480-138931-11	106	106	100	102
MW-13D	480-138931-12	99	104	98	101
	MB 480-424504/7	98	110	94	102
	MB 480-424528/7	102	118	95	106
	MB 480-424720/9	100	115	98	105
	MB 480-424746/7	105	114	95	103
	MB 480-424950/9	95	96	91	95
	MB 480-425155/7	100	99	92	100
	MB 480-425702/27	97	99	99	102
	MB 480-425707/7	102	100	99	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.: 480-138781-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): ZB-624 (20) ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	LCS 480-424504/5	96	109	94	105
	LCS 480-424528/5	100	111	94	108
	LCS 480-424720/8	103	113	96	108
	LCS 480-424746/5	97	105	94	107
	LCS 480-424950/5	104	98	93	99
	LCS 480-425155/5	105	100	95	102
	LCS 480-425702/26	102	99	100	101
	LCS 480-425707/5	105	102	99	99
MW-8R MS	480-138931-10 MS	104	100	102	100
MW-8R MSD	480-138931-10 MSD	104	109	101	102

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

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N1476.D
 Lab ID: LCS 480-424504/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	24.0	96	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.5	94	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.9	91	61-148	
1,1,2-Trichloroethane	25.0	25.4	102	76-122	
1,1-Dichloroethane	25.0	24.6	99	77-120	
1,1-Dichloroethene	25.0	22.3	89	66-127	
1,2,4-Trichlorobenzene	25.0	23.1	92	79-122	
1,2-Dibromo-3-Chloropropane	25.0	21.9	87	56-134	
1,2-Dibromoethane	25.0	24.6	98	77-120	
1,2-Dichlorobenzene	25.0	24.0	96	80-124	
1,2-Dichloroethane	25.0	26.1	104	75-120	
1,2-Dichloropropane	25.0	24.9	100	76-120	
1,3-Dichlorobenzene	25.0	24.1	97	77-120	
1,4-Dichlorobenzene	25.0	24.5	98	80-120	
2-Butanone (MEK)	125	181	145	57-140	*
2-Hexanone	125	176	140	65-127	*
4-Methyl-2-pentanone (MIBK)	125	152	122	71-125	
Acetone	125	194	155	56-142	*
Benzene	25.0	23.7	95	71-124	
Bromodichloromethane	25.0	24.7	99	80-122	
Bromoform	25.0	24.5	98	61-132	
Bromomethane	25.0	25.0	100	55-144	
Carbon disulfide	25.0	21.2	85	59-134	
Carbon tetrachloride	25.0	25.2	101	72-134	
Chlorobenzene	25.0	23.6	94	80-120	
Chloroethane	25.0	28.1	112	69-136	
Chloroform	25.0	23.4	94	73-127	
Chloromethane	25.0	26.6	106	68-124	
cis-1,2-Dichloroethene	25.0	22.2	89	74-124	
cis-1,3-Dichloropropene	25.0	23.5	94	74-124	
Cyclohexane	25.0	26.5	106	59-135	
Dibromochloromethane	25.0	23.5	94	75-125	
Dichlorodifluoromethane	25.0	20.1	80	59-135	
Ethylbenzene	25.0	23.6	94	77-123	
Isopropylbenzene	25.0	23.3	93	77-122	
Methyl acetate	50.0	60.5	121	74-133	
Methyl tert-butyl ether	25.0	23.0	92	77-120	
Methylcyclohexane	25.0	25.3	101	68-134	
Methylene Chloride	25.0	19.7	79	75-124	
Styrene	25.0	24.8	99	80-120	
Tetrachloroethene	25.0	26.0	104	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.: 480-138781-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: N1476.D
Lab ID: LCS 480-424504/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	23.3	93	80-122	
trans-1,2-Dichloroethene	25.0	22.3	89	73-127	
trans-1,3-Dichloropropene	25.0	24.4	97	80-120	
Trichloroethene	25.0	24.1	96	74-123	
Trichlorofluoromethane	25.0	26.1	104	62-150	
Vinyl chloride	25.0	23.9	95	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.: 480-138781-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N1503.D
 Lab ID: LCS 480-424528/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	26.2	105	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.1	96	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.5	110	61-148	
1,1,2-Trichloroethane	25.0	24.9	100	76-122	
1,1-Dichloroethane	25.0	27.1	108	77-120	
1,1-Dichloroethene	25.0	23.3	93	66-127	
1,2,4-Trichlorobenzene	25.0	25.5	102	79-122	
1,2-Dibromo-3-Chloropropane	25.0	24.8	99	56-134	
1,2-Dibromoethane	25.0	25.7	103	77-120	
1,2-Dichlorobenzene	25.0	25.4	102	80-124	
1,2-Dichloroethane	25.0	27.8	111	75-120	
1,2-Dichloropropane	25.0	25.0	100	76-120	
1,3-Dichlorobenzene	25.0	24.8	99	77-120	
1,4-Dichlorobenzene	25.0	25.4	102	80-120	
2-Butanone (MEK)	125	181	144	57-140	*
2-Hexanone	125	168	134	65-127	*
4-Methyl-2-pentanone (MIBK)	125	150	120	71-125	
Acetone	125	198	159	56-142	*
Benzene	25.0	24.9	99	71-124	
Bromodichloromethane	25.0	25.8	103	80-122	
Bromoform	25.0	26.2	105	61-132	
Bromomethane	25.0	28.1	112	55-144	
Carbon disulfide	25.0	23.9	96	59-134	
Carbon tetrachloride	25.0	28.6	115	72-134	
Chlorobenzene	25.0	24.9	100	80-120	
Chloroethane	25.0	33.1	133	69-136	
Chloroform	25.0	24.8	99	73-127	
Chloromethane	25.0	33.3	133	68-124	*
cis-1,2-Dichloroethene	25.0	25.1	100	74-124	
cis-1,3-Dichloropropene	25.0	23.5	94	74-124	
Cyclohexane	25.0	28.4	114	59-135	
Dibromochloromethane	25.0	24.4	97	75-125	
Dichlorodifluoromethane	25.0	31.1	125	59-135	
Ethylbenzene	25.0	24.8	99	77-123	
Isopropylbenzene	25.0	24.2	97	77-122	
Methyl acetate	50.0	62.6	125	74-133	
Methyl tert-butyl ether	25.0	25.0	100	77-120	
Methylcyclohexane	25.0	26.7	107	68-134	
Methylene Chloride	25.0	24.3	97	75-124	
Styrene	25.0	25.2	101	80-120	
Tetrachloroethene	25.0	27.1	108	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.: 480-138781-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: N1503.D
Lab ID: LCS 480-424528/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	24.4	97	80-122	
trans-1,2-Dichloroethene	25.0	24.2	97	73-127	
trans-1,3-Dichloropropene	25.0	24.7	99	80-120	
Trichloroethene	25.0	24.5	98	74-123	
Trichlorofluoromethane	25.0	31.4	126	62-150	
Vinyl chloride	25.0	29.1	116	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.: 480-138781-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N1530.D
 Lab ID: LCS 480-424720/8 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	26.4	106	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.9	99	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.7	111	61-148	
1,1,2-Trichloroethane	25.0	25.5	102	76-122	
1,1-Dichloroethane	25.0	27.6	111	77-120	
1,1-Dichloroethene	25.0	24.6	99	66-127	
1,2,4-Trichlorobenzene	25.0	26.1	104	79-122	
1,2-Dibromo-3-Chloropropane	25.0	23.5	94	56-134	
1,2-Dibromoethane	25.0	26.8	107	77-120	
1,2-Dichlorobenzene	25.0	26.2	105	80-124	
1,2-Dichloroethane	25.0	28.4	114	75-120	
1,2-Dichloropropane	25.0	27.2	109	76-120	
1,3-Dichlorobenzene	25.0	26.2	105	77-120	
1,4-Dichlorobenzene	25.0	25.7	103	80-120	
2-Butanone (MEK)	125	184	147	57-140	*
2-Hexanone	125	171	137	65-127	*
4-Methyl-2-pentanone (MIBK)	125	151	121	71-125	
Acetone	125	199	159	56-142	*
Benzene	25.0	25.9	103	71-124	
Bromodichloromethane	25.0	26.4	106	80-122	
Bromoform	25.0	24.9	100	61-132	
Bromomethane	25.0	30.4	121	55-144	
Carbon disulfide	25.0	25.4	102	59-134	
Carbon tetrachloride	25.0	29.8	119	72-134	
Chlorobenzene	25.0	25.5	102	80-120	
Chloroethane	25.0	34.7	139	69-136	*
Chloroform	25.0	26.3	105	73-127	
Chloromethane	25.0	33.7	135	68-124	*
cis-1,2-Dichloroethene	25.0	26.4	106	74-124	
cis-1,3-Dichloropropene	25.0	25.3	101	74-124	
Cyclohexane	25.0	29.4	118	59-135	
Dibromochloromethane	25.0	24.6	98	75-125	
Dichlorodifluoromethane	25.0	32.9	131	59-135	
Ethylbenzene	25.0	25.1	100	77-123	
Isopropylbenzene	25.0	25.4	102	77-122	
Methyl acetate	50.0	64.1	128	74-133	
Methyl tert-butyl ether	25.0	24.5	98	77-120	
Methylcyclohexane	25.0	28.0	112	68-134	
Methylene Chloride	25.0	24.5	98	75-124	
Styrene	25.0	26.5	106	80-120	
Tetrachloroethene	25.0	28.5	114	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.: 480-138781-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: N1530.D
Lab ID: LCS 480-424720/8 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	25.0	100	80-122	
trans-1,2-Dichloroethene	25.0	25.1	101	73-127	
trans-1,3-Dichloropropene	25.0	24.6	98	80-120	
Trichloroethene	25.0	26.3	105	74-123	
Trichlorofluoromethane	25.0	35.2	141	62-150	
Vinyl chloride	25.0	32.3	129	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.: 480-138781-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N1557.D
 Lab ID: LCS 480-424746/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	22.1	88	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.1	92	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.0	96	61-148	
1,1,2-Trichloroethane	25.0	24.5	98	76-122	
1,1-Dichloroethane	25.0	23.6	95	77-120	
1,1-Dichloroethene	25.0	19.6	78	66-127	
1,2,4-Trichlorobenzene	25.0	24.7	99	79-122	
1,2-Dibromo-3-Chloropropane	25.0	22.2	89	56-134	
1,2-Dibromoethane	25.0	24.3	97	77-120	
1,2-Dichlorobenzene	25.0	24.4	98	80-124	
1,2-Dichloroethane	25.0	24.6	98	75-120	
1,2-Dichloropropane	25.0	25.0	100	76-120	
1,3-Dichlorobenzene	25.0	24.7	99	77-120	
1,4-Dichlorobenzene	25.0	24.7	99	80-120	
2-Butanone (MEK)	125	177	141	57-140	*
2-Hexanone	125	168	134	65-127	*
4-Methyl-2-pentanone (MIBK)	125	143	114	71-125	
Acetone	125	208	167	56-142	*
Benzene	25.0	22.8	91	71-124	
Bromodichloromethane	25.0	22.7	91	80-122	
Bromoform	25.0	23.1	93	61-132	
Bromomethane	25.0	25.1	100	55-144	
Carbon disulfide	25.0	20.8	83	59-134	
Carbon tetrachloride	25.0	24.0	96	72-134	
Chlorobenzene	25.0	23.7	95	80-120	
Chloroethane	25.0	28.3	113	69-136	
Chloroform	25.0	22.3	89	73-127	
Chloromethane	25.0	28.8	115	68-124	
cis-1,2-Dichloroethene	25.0	22.1	88	74-124	
cis-1,3-Dichloropropene	25.0	22.0	88	74-124	
Cyclohexane	25.0	23.9	95	59-135	
Dibromochloromethane	25.0	23.1	92	75-125	
Dichlorodifluoromethane	25.0	24.2	97	59-135	
Ethylbenzene	25.0	23.2	93	77-123	
Isopropylbenzene	25.0	22.9	92	77-122	
Methyl acetate	50.0	57.7	115	74-133	
Methyl tert-butyl ether	25.0	21.9	88	77-120	
Methylcyclohexane	25.0	23.3	93	68-134	
Methylene Chloride	25.0	20.2	81	75-124	
Styrene	25.0	24.0	96	80-120	
Tetrachloroethene	25.0	25.4	102	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.: 480-138781-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: N1557.D
Lab ID: LCS 480-424746/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	23.4	93	80-122	
trans-1,2-Dichloroethene	25.0	20.8	83	73-127	
trans-1,3-Dichloropropene	25.0	22.3	89	80-120	
Trichloroethene	25.0	22.7	91	74-123	
Trichlorofluoromethane	25.0	25.4	102	62-150	
Vinyl chloride	25.0	24.5	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.: 480-138781-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S3644.D
 Lab ID: LCS 480-424950/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.8	103	73-126	
1,1,2,2-Tetrachloroethane	25.0	25.9	104	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.9	96	61-148	
1,1,2-Trichloroethane	25.0	24.8	99	76-122	
1,1-Dichloroethane	25.0	25.8	103	77-120	
1,1-Dichloroethene	25.0	24.0	96	66-127	
1,2,4-Trichlorobenzene	25.0	25.1	101	79-122	
1,2-Dibromo-3-Chloropropane	25.0	23.3	93	56-134	
1,2-Dibromoethane	25.0	25.1	100	77-120	
1,2-Dichlorobenzene	25.0	24.7	99	80-124	
1,2-Dichloroethane	25.0	25.2	101	75-120	
1,2-Dichloropropane	25.0	24.9	100	76-120	
1,3-Dichlorobenzene	25.0	24.9	100	77-120	
1,4-Dichlorobenzene	25.0	25.1	100	80-120	
2-Butanone (MEK)	125	144	115	57-140	
2-Hexanone	125	126	101	65-127	
4-Methyl-2-pentanone (MIBK)	125	125	100	71-125	
Acetone	125	151	121	56-142	
Benzene	25.0	25.9	104	71-124	
Bromodichloromethane	25.0	26.9	108	80-122	
Bromoform	25.0	27.1	108	61-132	
Bromomethane	25.0	25.4	102	55-144	
Carbon disulfide	25.0	26.1	104	59-134	
Carbon tetrachloride	25.0	26.1	105	72-134	
Chlorobenzene	25.0	25.4	102	80-120	
Chloroethane	25.0	25.9	103	69-136	
Chloroform	25.0	24.4	98	73-127	
Chloromethane	25.0	28.0	112	68-124	
cis-1,2-Dichloroethene	25.0	26.5	106	74-124	
cis-1,3-Dichloropropene	25.0	25.4	101	74-124	
Cyclohexane	25.0	26.9	108	59-135	
Dibromochloromethane	25.0	26.4	105	75-125	
Dichlorodifluoromethane	25.0	32.6	131	59-135	
Ethylbenzene	25.0	25.4	102	77-123	
Isopropylbenzene	25.0	24.9	99	77-122	
Methyl acetate	50.0	51.8	104	74-133	
Methyl tert-butyl ether	25.0	25.2	101	77-120	
Methylcyclohexane	25.0	28.1	112	68-134	
Methylene Chloride	25.0	25.2	101	75-124	
Styrene	25.0	25.7	103	80-120	
Tetrachloroethene	25.0	25.1	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.: 480-138781-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: S3644.D
Lab ID: LCS 480-424950/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	25.2	101	80-122	
trans-1,2-Dichloroethene	25.0	27.3	109	73-127	
trans-1,3-Dichloropropene	25.0	24.3	97	80-120	
Trichloroethene	25.0	25.3	101	74-123	
Trichlorofluoromethane	25.0	29.1	116	62-150	
Vinyl chloride	25.0	27.5	110	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.: 480-138781-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S3669.D
 Lab ID: LCS 480-425155/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	21.5	86	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.6	94	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	16.5	66	61-148	
1,1,2-Trichloroethane	25.0	24.8	99	76-122	
1,1-Dichloroethane	25.0	23.6	94	77-120	
1,1-Dichloroethene	25.0	22.2	89	66-127	
1,2,4-Trichlorobenzene	25.0	23.5	94	79-122	
1,2-Dibromo-3-Chloropropane	25.0	21.1	84	56-134	
1,2-Dibromoethane	25.0	24.2	97	77-120	
1,2-Dichlorobenzene	25.0	22.7	91	80-124	
1,2-Dichloroethane	25.0	24.4	98	75-120	
1,2-Dichloropropane	25.0	23.5	94	76-120	
1,3-Dichlorobenzene	25.0	22.7	91	77-120	
1,4-Dichlorobenzene	25.0	23.0	92	80-120	
2-Butanone (MEK)	125	124	99	57-140	
2-Hexanone	125	113	90	65-127	
4-Methyl-2-pentanone (MIBK)	125	114	91	71-125	
Acetone	125	120	96	56-142	
Benzene	25.0	23.3	93	71-124	
Bromodichloromethane	25.0	24.5	98	80-122	
Bromoform	25.0	25.4	102	61-132	
Bromomethane	25.0	23.9	95	55-144	
Carbon disulfide	25.0	20.7	83	59-134	
Carbon tetrachloride	25.0	21.9	88	72-134	
Chlorobenzene	25.0	23.9	96	80-120	
Chloroethane	25.0	25.4	102	69-136	
Chloroform	25.0	23.1	92	73-127	
Chloromethane	25.0	25.8	103	68-124	
cis-1,2-Dichloroethene	25.0	25.3	101	74-124	
cis-1,3-Dichloropropene	25.0	24.2	97	74-124	
Cyclohexane	25.0	16.9	68	59-135	
Dibromochloromethane	25.0	24.9	100	75-125	
Dichlorodifluoromethane	25.0	21.9	88	59-135	
Ethylbenzene	25.0	23.0	92	77-123	
Isopropylbenzene	25.0	21.9	88	77-122	
Methyl acetate	50.0	50.4	101	74-133	
Methyl tert-butyl ether	25.0	23.1	93	77-120	
Methylcyclohexane	25.0	19.0	76	68-134	
Methylene Chloride	25.0	22.0	88	75-124	
Styrene	25.0	23.5	94	80-120	
Tetrachloroethene	25.0	23.1	92	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.: 480-138781-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: S3669.D
Lab ID: LCS 480-425155/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	23.1	92	80-122	
trans-1,2-Dichloroethene	25.0	24.6	98	73-127	
trans-1,3-Dichloropropene	25.0	23.5	94	80-120	
Trichloroethene	25.0	22.5	90	74-123	
Trichlorofluoromethane	25.0	22.1	88	62-150	
Vinyl chloride	25.0	24.3	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.: 480-138781-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N1704.D
 Lab ID: LCS 480-425702/26 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.8	103	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.0	92	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.5	98	61-148	
1,1,2-Trichloroethane	25.0	23.0	92	76-122	
1,1-Dichloroethane	25.0	24.4	98	77-120	
1,1-Dichloroethene	25.0	26.1	105	66-127	
1,2,4-Trichlorobenzene	25.0	25.5	102	79-122	
1,2-Dibromo-3-Chloropropane	25.0	25.7	103	56-134	
1,2-Dibromoethane	25.0	23.6	95	77-120	
1,2-Dichlorobenzene	25.0	24.3	97	80-124	
1,2-Dichloroethane	25.0	23.2	93	75-120	
1,2-Dichloropropane	25.0	23.0	92	76-120	
1,3-Dichlorobenzene	25.0	24.4	98	77-120	
1,4-Dichlorobenzene	25.0	24.3	97	80-120	
2-Butanone (MEK)	125	116	93	57-140	
2-Hexanone	125	129	103	65-127	
4-Methyl-2-pentanone (MIBK)	125	130	104	71-125	
Acetone	125	129	103	56-142	
Benzene	25.0	23.7	95	71-124	
Bromodichloromethane	25.0	24.1	96	80-122	
Bromoform	25.0	25.5	102	61-132	
Bromomethane	25.0	24.4	97	55-144	
Carbon disulfide	25.0	26.1	104	59-134	
Carbon tetrachloride	25.0	25.1	100	72-134	
Chlorobenzene	25.0	23.7	95	80-120	
Chloroethane	25.0	23.4	93	69-136	
Chloroform	25.0	23.8	95	73-127	
Chloromethane	25.0	22.8	91	68-124	
cis-1,2-Dichloroethene	25.0	23.5	94	74-124	
cis-1,3-Dichloropropene	25.0	25.1	100	74-124	
Cyclohexane	25.0	23.8	95	59-135	
Dibromochloromethane	25.0	26.1	104	75-125	
Dichlorodifluoromethane	25.0	23.1	93	59-135	
Ethylbenzene	25.0	26.0	104	77-123	
Isopropylbenzene	25.0	25.6	103	77-122	
Methyl acetate	50.0	45.8	92	74-133	
Methyl tert-butyl ether	25.0	25.5	102	77-120	
Methylcyclohexane	25.0	25.2	101	68-134	
Methylene Chloride	25.0	21.6	87	75-124	
Styrene	25.0	25.7	103	80-120	
Tetrachloroethene	25.0	24.9	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.: 480-138781-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: N1704.D
Lab ID: LCS 480-425702/26 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	23.6	94	73-127	
trans-1,3-Dichloropropene	25.0	26.8	107	80-120	
Trichloroethene	25.0	24.7	99	74-123	
Trichlorofluoromethane	25.0	25.1	100	62-150	
Vinyl chloride	25.0	24.7	99	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.: 480-138781-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S3762.D
 Lab ID: LCS 480-425707/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	24.6	98	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.2	93	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	20.2	81	61-148	
1,1,2-Trichloroethane	25.0	24.1	96	76-122	
1,1-Dichloroethane	25.0	23.7	95	77-120	
1,1-Dichloroethene	25.0	22.4	89	66-127	
1,2,4-Trichlorobenzene	25.0	25.7	103	79-122	
1,2-Dibromo-3-Chloropropane	25.0	25.5	102	56-134	
1,2-Dibromoethane	25.0	22.6	90	77-120	
1,2-Dichlorobenzene	25.0	24.6	99	80-124	
1,2-Dichloroethane	25.0	22.7	91	75-120	
1,2-Dichloropropane	25.0	23.9	96	76-120	
1,3-Dichlorobenzene	25.0	25.1	101	77-120	
1,4-Dichlorobenzene	25.0	24.1	96	80-120	
2-Butanone (MEK)	125	121	96	57-140	
2-Hexanone	125	120	96	65-127	
4-Methyl-2-pentanone (MIBK)	125	120	96	71-125	
Acetone	125	107	86	56-142	
Benzene	25.0	24.0	96	71-124	
Bromodichloromethane	25.0	24.1	96	80-122	
Bromoform	25.0	23.2	93	61-132	
Bromomethane	25.0	22.6	90	55-144	
Carbon disulfide	25.0	24.3	97	59-134	
Carbon tetrachloride	25.0	22.8	91	72-134	
Chlorobenzene	25.0	23.9	95	80-120	
Chloroethane	25.0	24.3	97	69-136	
Chloroform	25.0	23.4	94	73-127	
Chloromethane	25.0	22.4	90	68-124	
cis-1,2-Dichloroethene	25.0	24.3	97	74-124	
cis-1,3-Dichloropropene	25.0	26.0	104	74-124	
Cyclohexane	25.0	23.7	95	59-135	
Dibromochloromethane	25.0	25.6	102	75-125	
Dichlorodifluoromethane	25.0	23.8	95	59-135	
Ethylbenzene	25.0	25.0	100	77-123	
Isopropylbenzene	25.0	25.5	102	77-122	
Methyl acetate	50.0	44.6	89	74-133	
Methyl tert-butyl ether	25.0	24.7	99	77-120	
Methylcyclohexane	25.0	23.0	92	68-134	
Methylene Chloride	25.0	23.1	92	75-124	
Styrene	25.0	25.2	101	80-120	
Tetrachloroethene	25.0	23.7	95	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.: 480-138781-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: S3762.D
Lab ID: LCS 480-425707/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	24.1	96	80-122	
trans-1,2-Dichloroethene	25.0	23.7	95	73-127	
trans-1,3-Dichloropropene	25.0	25.3	101	80-120	
Trichloroethene	25.0	23.9	95	74-123	
Trichlorofluoromethane	25.0	23.4	94	62-150	
Vinyl chloride	25.0	22.2	89	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.: 480-138781-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S3783.D
 Lab ID: 480-138931-10 MS Client ID: MW-8R MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	250	ND	249	100	73-126	
1,1,2,2-Tetrachloroethane	250	ND	228	91	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	250	ND	180	72	61-148	
1,1,2-Trichloroethane	250	ND	241	96	76-122	
1,1-Dichloroethane	250	9.8 J	250	96	77-120	
1,1-Dichloroethene	250	ND	243	97	66-127	
1,2,4-Trichlorobenzene	250	ND	239	95	79-122	
1,2-Dibromo-3-Chloropropane	250	ND	240	96	56-134	
1,2-Dibromoethane	250	ND	236	94	77-120	
1,2-Dichlorobenzene	250	ND	237	95	80-124	
1,2-Dichloroethane	250	ND	233	93	75-120	
1,2-Dichloropropane	250	ND	244	98	76-120	
1,3-Dichlorobenzene	250	ND	244	98	77-120	
1,4-Dichlorobenzene	250	ND	237	95	78-124	
2-Butanone (MEK)	1250	24 J	1220	95	57-140	
2-Hexanone	1250	ND	1150	92	65-127	
4-Methyl-2-pentanone (MIBK)	1250	ND	1180	95	71-125	
Acetone	1250	34 J	1240	97	56-142	
Benzene	250	ND	243	97	71-124	
Bromodichloromethane	250	ND	240	96	80-122	
Bromoform	250	ND	203	81	61-132	
Bromomethane	250	ND	212	85	55-144	
Carbon disulfide	250	ND	234	94	59-134	
Carbon tetrachloride	250	ND	244	98	72-134	
Chlorobenzene	250	ND	238	95	80-120	
Chloroethane	250	47	302	102	69-136	
Chloroform	250	ND	235	94	73-127	
Chloromethane	250	ND	239	96	68-124	
cis-1,2-Dichloroethene	250	30	273	97	74-124	
cis-1,3-Dichloropropene	250	ND	252	101	74-124	
Cyclohexane	250	ND	219	88	59-135	
Dibromochloromethane	250	ND	238	95	75-125	
Dichlorodifluoromethane	250	ND	276	111	59-135	
Ethylbenzene	250	ND	247	99	77-123	
Isopropylbenzene	250	ND	250	100	77-122	
Methyl acetate	500	ND	458	92	74-133	
Methyl tert-butyl ether	250	ND	246	98	77-120	
Methylcyclohexane	250	ND	233	93	68-134	
Methylene Chloride	250	ND	243	97	75-124	
Styrene	250	ND	254	102	80-120	
Tetrachloroethene	250	ND	237	95	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.: 480-138781-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: S3783.D
Lab ID: 480-138931-10 MS Client ID: MW-8R MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	250	33	265	93	80-122	
trans-1,2-Dichloroethene	250	ND	242	97	73-127	
trans-1,3-Dichloropropene	250	ND	246	99	80-120	
Trichloroethene	250	ND	243	97	74-123	
Trichlorofluoromethane	250	ND	279	112	62-150	
Vinyl chloride	250	190	405	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.: 480-138781-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S3784.D
 Lab ID: 480-138931-10 MSD Client ID: MW-8R MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	250	194	78	25	15	73-126	F2
1,1,2,2-Tetrachloroethane	250	181	72	23	15	76-120	F1 F2
1,1,2-Trichloro-1,2,2-trifluoroethane	250	181	72	1	20	61-148	
1,1,2-Trichloroethane	250	191	76	23	15	76-122	F2
1,1-Dichloroethane	250	197	75	24	20	77-120	F1 F2
1,1-Dichloroethene	250	188	75	26	16	66-127	F2
1,2,4-Trichlorobenzene	250	202	81	17	20	79-122	
1,2-Dibromo-3-Chloropropane	250	189	76	24	15	56-134	F2
1,2-Dibromoethane	250	184	73	25	15	77-120	F1 F2
1,2-Dichlorobenzene	250	191	76	22	20	80-124	F1 F2
1,2-Dichloroethane	250	182	73	24	20	75-120	F1 F2
1,2-Dichloropropane	250	190	76	25	20	76-120	F2
1,3-Dichlorobenzene	250	198	79	21	20	77-120	F2
1,4-Dichlorobenzene	250	191	76	22	20	78-124	F1 F2
2-Butanone (MEK)	1250	912	71	29	20	57-140	F2
2-Hexanone	1250	905	72	24	15	65-127	F2
4-Methyl-2-pentanone (MIBK)	1250	933	75	24	35	71-125	
Acetone	1250	965	74	25	15	56-142	F2
Benzene	250	198	79	20	13	71-124	F2
Bromodichloromethane	250	191	76	23	15	80-122	F1 F2
Bromoform	250	155	62	27	15	61-132	F2
Bromomethane	250	186	75	13	15	55-144	
Carbon disulfide	250	187	75	22	15	59-134	F2
Carbon tetrachloride	250	195	78	22	15	72-134	F2
Chlorobenzene	250	193	77	21	25	80-120	F1
Chloroethane	250	264	87	13	15	69-136	
Chloroform	250	189	75	22	20	73-127	F2
Chloromethane	250	194	78	21	15	68-124	F2
cis-1,2-Dichloroethene	250	223	77	20	15	74-124	F2
cis-1,3-Dichloropropene	250	192	77	27	15	74-124	F2
Cyclohexane	250	193	77	13	20	59-135	
Dibromochloromethane	250	190	76	22	15	75-125	F2
Dichlorodifluoromethane	250	213	85	26	20	59-135	F2
Ethylbenzene	250	200	80	21	15	77-123	F2
Isopropylbenzene	250	201	80	22	20	77-122	F2
Methyl acetate	500	334	67	31	20	74-133	F1 F2
Methyl tert-butyl ether	250	196	78	23	37	77-120	
Methylcyclohexane	250	185	74	23	20	68-134	F2
Methylene Chloride	250	181	72	30	15	75-124	F1 F2
Styrene	250	203	81	23	20	80-120	F2
Tetrachloroethene	250	193	77	20	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.: 480-138781-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S3784.D
 Lab ID: 480-138931-10 MSD Client ID: MW-8R MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Toluene	250	217	73	20	15	80-122	F1 F2
trans-1,2-Dichloroethene	250	192	77	23	20	73-127	F2
trans-1,3-Dichloropropene	250	192	77	25	15	80-120	F1 F2
Trichloroethene	250	188	75	26	16	74-123	F2
Trichlorofluoromethane	250	223	89	22	20	62-150	F2
Vinyl chloride	250	365	71	10	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.: 480-138781-1
SDG No.: _____
Lab File ID: N1478.D Lab Sample ID: MB 480-424504/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973N Date Analyzed: 07/15/2018 10:50
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 480-424504/5	N1476.D	07/15/2018 09:56
Rinse Blank	480-138781-1	N1479.D	07/15/2018 11:27
DPE-8	480-138781-3	N1480.D	07/15/2018 11:54

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
SDG No.: _____
Lab File ID: N1505.D Lab Sample ID: MB 480-424528/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973N Date Analyzed: 07/16/2018 10:13
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 480-424528/5	N1503.D	07/16/2018 09:19
DPE-2	480-138781-7	N1506.D	07/16/2018 10:53

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
SDG No.: _____
Lab File ID: N1532.D Lab Sample ID: MB 480-424720/9
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973N Date Analyzed: 07/16/2018 22:51
GC Column: ZB-624 (20) ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-424720/8	N1530.D	07/16/2018 21:42
Trip-0712-18	480-138781-5	N1545.D	07/17/2018 04:58
DPE-1	480-138781-6	N1546.D	07/17/2018 05:26

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
SDG No.: _____
Lab File ID: N1559.D Lab Sample ID: MB 480-424746/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973N Date Analyzed: 07/17/2018 10:48
GC Column: ZB-624 (20) ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-424746/5	N1557.D	07/17/2018 09:53
DPE-3	480-138781-8	N1561.D	07/17/2018 11:57
DPE-4	480-138781-9	N1562.D	07/17/2018 12:24
DPE-7	480-138781-11	N1564.D	07/17/2018 13:19
MW-11	480-138781-12	N1565.D	07/17/2018 13:46

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
SDG No.: _____
Lab File ID: S3650.D Lab Sample ID: MB 480-424950/9
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973S Date Analyzed: 07/18/2018 12:35
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 480-424950/5	S3644.D	07/18/2018 10:05
DPE-4 DL	480-138781-9 DL	S3653.D	07/18/2018 13:44
DPE-5	480-138781-10	S3654.D	07/18/2018 14:08

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
SDG No.: _____
Lab File ID: S3671.D Lab Sample ID: MB 480-425155/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973S Date Analyzed: 07/18/2018 20:57
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 480-425155/5	S3669.D	07/18/2018 20:11
DPE-6	480-138781-2	S3684.D	07/19/2018 02:42
GWCT	480-138781-4	S3685.D	07/19/2018 03:05

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
SDG No.: _____
Lab File ID: N1706.D Lab Sample ID: MB 480-425702/27
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973N Date Analyzed: 07/22/2018 00:07
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 480-425702/26	N1704.D	07/21/2018 23:13
MW-2	480-138931-1	N1709.D	07/22/2018 01:31
MW-3	480-138931-2	N1710.D	07/22/2018 01:58
MW-4	480-138931-3	N1711.D	07/22/2018 02:25
Trip Blank - 071318	480-138931-4	N1712.D	07/22/2018 02:52
MW-10	480-138931-5	N1713.D	07/22/2018 03:20
MW-13S	480-138931-6	N1714.D	07/22/2018 03:47
MW-12	480-138931-7	N1715.D	07/22/2018 04:14
MW-16S	480-138931-8	N1716.D	07/22/2018 04:42
Duplicate	480-138931-9	N1717.D	07/22/2018 05:09
MW-16D	480-138931-11	N1719.D	07/22/2018 06:03
MW-13D	480-138931-12	N1720.D	07/22/2018 06:30

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
SDG No.: _____
Lab File ID: S3764.D Lab Sample ID: MB 480-425707/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973S Date Analyzed: 07/22/2018 10:48
GC Column: ZB-624 (20) ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-425707/5	S3762.D	07/22/2018 10:01
Duplicate DL	480-138931-9 DL	S3765.D	07/22/2018 11:23
MW-8R	480-138931-10	S3766.D	07/22/2018 11:46
MW-8R MS	480-138931-10 MS	S3783.D	07/22/2018 18:21
MW-8R MSD	480-138931-10 MSD	S3784.D	07/22/2018 18:45

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab File ID: N0607.D BFB Injection Date: 06/15/2018
 Instrument ID: HP5973N BFB Injection Time: 12:58
 Analysis Batch No.: 419847

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	28.0
75	30.0 - 60.0 % of mass 95	52.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	90.4
175	5.0 - 9.0 % of mass 174	7.6 (8.4) 1
176	95.0 - 101.0 % of mass 174	88.3 (97.7) 1
177	5.0 - 9.0 % of mass 176	6.0 (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 480-419847/7	N0609.D	06/15/2018	13:52
	IC 480-419847/8	N0610.D	06/15/2018	14:19
	IC 480-419847/9	N0611.D	06/15/2018	14:46
	IC 480-419847/10	N0612.D	06/15/2018	15:13
	IC 480-419847/11	N0613.D	06/15/2018	15:40
	ICIS 480-419847/12	N0614.D	06/15/2018	16:07
	IC 480-419847/13	N0615.D	06/15/2018	16:34
	IC 480-419847/14	N0616.D	06/15/2018	17:01

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab File ID: N1473.D BFB Injection Date: 07/15/2018
 Instrument ID: HP5973N BFB Injection Time: 08:38
 Analysis Batch No.: 424504

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	30.3
75	30.0 - 60.0 % of mass 95	45.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.6 (0.6) 1
174	50.0 - 120.00 % of mass 95	98.3
175	5.0 - 9.0 % of mass 174	7.9 (8.1) 1
176	95.0 - 101.0 % of mass 174	95.6 (97.2) 1
177	5.0 - 9.0 % of mass 176	6.3 (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 480-424504/3	N1474.D	07/15/2018	09:02
	LCS 480-424504/5	N1476.D	07/15/2018	09:56
	MB 480-424504/7	N1478.D	07/15/2018	10:50
Rinse Blank	480-138781-1	N1479.D	07/15/2018	11:27
DPE-8	480-138781-3	N1480.D	07/15/2018	11:54

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab File ID: N1500.D BFB Injection Date: 07/16/2018
 Instrument ID: HP5973N BFB Injection Time: 07:59
 Analysis Batch No.: 424528

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	28.9
75	30.0 - 60.0 % of mass 95	45.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.3
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	103.8
175	5.0 - 9.0 % of mass 174	7.8 (7.5) 1
176	95.0 - 101.0 % of mass 174	101.9 (98.2) 1
177	5.0 - 9.0 % of mass 176	6.7 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-424528/3	N1501.D	07/16/2018	08:25
	LCS 480-424528/5	N1503.D	07/16/2018	09:19
	MB 480-424528/7	N1505.D	07/16/2018	10:13
DPE-2	480-138781-7	N1506.D	07/16/2018	10:53

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab File ID: N1527.D BFB Injection Date: 07/16/2018
 Instrument ID: HP5973N BFB Injection Time: 20:00
 Analysis Batch No.: 424720

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	28.1
75	30.0 - 60.0 % of mass 95	44.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	103.3
175	5.0 - 9.0 % of mass 174	7.0 (6.8) 1
176	95.0 - 101.0 % of mass 174	98.7 (95.5) 1
177	5.0 - 9.0 % of mass 176	6.9 (7.0) 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 480-424720/3	N1528.D	07/16/2018	20:39
	LCS 480-424720/8	N1530.D	07/16/2018	21:42
	MB 480-424720/9	N1532.D	07/16/2018	22:51
Trip-0712-18	480-138781-5	N1545.D	07/17/2018	04:58
DPE-1	480-138781-6	N1546.D	07/17/2018	05:26

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab File ID: N1554.D BFB Injection Date: 07/17/2018
 Instrument ID: HP5973N BFB Injection Time: 08:32
 Analysis Batch No.: 424746

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	30.0
75	30.0 - 60.0 % of mass 95	47.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.2 (0.2) 1
174	50.0 - 120.00 % of mass 95	101.7
175	5.0 - 9.0 % of mass 174	8.0 (7.8) 1
176	95.0 - 101.0 % of mass 174	100.9 (99.1) 1
177	5.0 - 9.0 % of mass 176	6.4 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-424746/3	N1555.D	07/17/2018	08:59
	LCS 480-424746/5	N1557.D	07/17/2018	09:53
	MB 480-424746/7	N1559.D	07/17/2018	10:48
DPE-3	480-138781-8	N1561.D	07/17/2018	11:57
DPE-4	480-138781-9	N1562.D	07/17/2018	12:24
DPE-7	480-138781-11	N1564.D	07/17/2018	13:19
MW-11	480-138781-12	N1565.D	07/17/2018	13:46

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab File ID: N1646.D BFB Injection Date: 07/19/2018
 Instrument ID: HP5973N BFB Injection Time: 14:30
 Analysis Batch No.: 425324

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	29.5
75	30.0 - 60.0 % of mass 95	47.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.5
173	Less than 2.0 % of mass 174	0.3 (0.3) 1
174	50.0 - 120.00 % of mass 95	92.9
175	5.0 - 9.0 % of mass 174	7.0 (7.6) 1
176	95.0 - 101.0 % of mass 174	90.6 (97.5) 1
177	5.0 - 9.0 % of mass 176	5.8 (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 480-425324/7	N1648.D	07/19/2018	15:25
	IC 480-425324/8	N1649.D	07/19/2018	15:53
	IC 480-425324/9	N1650.D	07/19/2018	16:20
	IC 480-425324/10	N1651.D	07/19/2018	16:47
	IC 480-425324/11	N1652.D	07/19/2018	17:14
	ICIS 480-425324/12	N1653.D	07/19/2018	17:42
	IC 480-425324/13	N1654.D	07/19/2018	18:08
	IC 480-425324/14	N1655.D	07/19/2018	18:36

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
SDG No.: _____
Lab File ID: N1701.D BFB Injection Date: 07/21/2018
Instrument ID: HP5973N BFB Injection Time: 21:33
Analysis Batch No.: 425702

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	32.1
75	30.0 - 60.0 % of mass 95	51.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	103.0
175	5.0 - 9.0 % of mass 174	7.5 (7.2) 1
176	95.0 - 101.0 % of mass 174	99.2 (96.3) 1
177	5.0 - 9.0 % of mass 176	6.9 (7.0) 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 480-425702/5	N1702.D	07/21/2018	22:00
	LCS 480-425702/26	N1704.D	07/21/2018	23:13
	MB 480-425702/27	N1706.D	07/22/2018	00:07
MW-2	480-138931-1	N1709.D	07/22/2018	01:31
MW-3	480-138931-2	N1710.D	07/22/2018	01:58
MW-4	480-138931-3	N1711.D	07/22/2018	02:25
Trip Blank - 071318	480-138931-4	N1712.D	07/22/2018	02:52
MW-10	480-138931-5	N1713.D	07/22/2018	03:20
MW-13S	480-138931-6	N1714.D	07/22/2018	03:47
MW-12	480-138931-7	N1715.D	07/22/2018	04:14
MW-16S	480-138931-8	N1716.D	07/22/2018	04:42
Duplicate	480-138931-9	N1717.D	07/22/2018	05:09
MW-16D	480-138931-11	N1719.D	07/22/2018	06:03
MW-13D	480-138931-12	N1720.D	07/22/2018	06:30

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab File ID: S2504.D BFB Injection Date: 06/20/2018
 Instrument ID: HP5973S BFB Injection Time: 12:54
 Analysis Batch No.: 420621

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.0
75	30.0 - 60.0 % of mass 95	47.5
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	0.3 (0.4) 1
174	50.0 - 120.00 % of mass 95	79.8
175	5.0 - 9.0 % of mass 174	6.2 (7.7) 1
176	95.0 - 101.0 % of mass 174	77.9 (97.6) 1
177	5.0 - 9.0 % of mass 176	4.6 (5.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-420621/5	S2506.D	06/20/2018	13:51
	IC 480-420621/6	S2507.D	06/20/2018	14:14
	IC 480-420621/7	S2508.D	06/20/2018	14:38
	IC 480-420621/8	S2509.D	06/20/2018	15:01
	IC 480-420621/9	S2510.D	06/20/2018	15:24
	ICIS 480-420621/10	S2511.D	06/20/2018	15:48
	IC 480-420621/11	S2512.D	06/20/2018	16:11
	IC 480-420621/12	S2513.D	06/20/2018	16:34

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab File ID: S3640.D BFB Injection Date: 07/18/2018
 Instrument ID: HP5973S BFB Injection Time: 08:19
 Analysis Batch No.: 424950

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.1
75	30.0 - 60.0 % of mass 95	49.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.7
173	Less than 2.0 % of mass 174	0.5 (0.6) 1
174	50.0 - 120.00 % of mass 95	84.5
175	5.0 - 9.0 % of mass 174	6.5 (7.7) 1
176	95.0 - 101.0 % of mass 174	84.4 (99.8) 1
177	5.0 - 9.0 % of mass 176	5.3 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-424950/15	S3643.D	07/18/2018	09:32
	LCS 480-424950/5	S3644.D	07/18/2018	10:05
	MB 480-424950/9	S3650.D	07/18/2018	12:35
DPE-4 DL	480-138781-9 DL	S3653.D	07/18/2018	13:44
DPE-5	480-138781-10	S3654.D	07/18/2018	14:08

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab File ID: S3666.D BFB Injection Date: 07/18/2018
 Instrument ID: HP5973S BFB Injection Time: 18:48
 Analysis Batch No.: 425155

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	20.3
75	30.0 - 60.0 % of mass 95	46.9
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	1.2 (1.4) 1
174	50.0 - 120.00 % of mass 95	85.1
175	5.0 - 9.0 % of mass 174	7.4 (8.7) 1
176	95.0 - 101.0 % of mass 174	85.0 (99.9) 1
177	5.0 - 9.0 % of mass 176	5.9 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-425155/3	S3667.D	07/18/2018	19:14
	LCS 480-425155/5	S3669.D	07/18/2018	20:11
	MB 480-425155/7	S3671.D	07/18/2018	20:57
DPE-6	480-138781-2	S3684.D	07/19/2018	02:42
GWCT	480-138781-4	S3685.D	07/19/2018	03:05

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab File ID: S3705.D BFB Injection Date: 07/19/2018
 Instrument ID: HP5973S BFB Injection Time: 16:14
 Analysis Batch No.: 425337

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.2
75	30.0 - 60.0 % of mass 95	47.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	75.8
175	5.0 - 9.0 % of mass 174	5.1 (6.7) 1
176	95.0 - 101.0 % of mass 174	75.0 (99.0) 1
177	5.0 - 9.0 % of mass 176	6.1 (8.1) 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 480-425337/6	S3707.D	07/19/2018	17:02
	IC 480-425337/7	S3708.D	07/19/2018	17:25
	IC 480-425337/8	S3709.D	07/19/2018	17:49
	IC 480-425337/9	S3710.D	07/19/2018	18:12
	IC 480-425337/10	S3711.D	07/19/2018	18:35
	ICIS 480-425337/11	S3712.D	07/19/2018	18:58
	IC 480-425337/12	S3713.D	07/19/2018	19:22
	IC 480-425337/13	S3714.D	07/19/2018	19:45

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab File ID: S3758.D BFB Injection Date: 07/22/2018
 Instrument ID: HP5973S BFB Injection Time: 08:16
 Analysis Batch No.: 425707

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	20.6
75	30.0 - 60.0 % of mass 95	46.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.4
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	79.3
175	5.0 - 9.0 % of mass 174	5.7 (7.2) 1
176	95.0 - 101.0 % of mass 174	76.4 (96.4) 1
177	5.0 - 9.0 % of mass 176	5.5 (7.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-425707/9	S3761.D	07/22/2018	09:29
	LCS 480-425707/5	S3762.D	07/22/2018	10:01
	MB 480-425707/7	S3764.D	07/22/2018	10:48
Duplicate DL	480-138931-9 DL	S3765.D	07/22/2018	11:23
MW-8R	480-138931-10	S3766.D	07/22/2018	11:46
MW-8R MS	480-138931-10 MS	S3783.D	07/22/2018	18:21
MW-8R MSD	480-138931-10 MSD	S3784.D	07/22/2018	18:45

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Sample No.: ICIS 480-419847/12 Date Analyzed: 06/15/2018 16:07
 Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): N0614.D Heated Purge: (Y/N) N
 Calibration ID: 34080

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	209234	5.36	783991	8.34	399830	10.74	
UPPER LIMIT	418468	5.86	1567982	8.84	799660	11.24	
LOWER LIMIT	104617	4.86	391996	7.84	199915	10.24	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-424504/3		233733	5.36	927332	8.34	508313	10.74
CCVIS 480-424528/3		228252	5.36	918666	8.34	482000	10.74
CCVIS 480-424720/3		219933	5.36	874632	8.35	472989	10.74
CCVIS 480-424746/3		225903	5.36	878944	8.35	469589	10.74

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.: 480-138781-1
 SDG No.: _____
 Sample No.: CCVIS 480-424504/3 Date Analyzed: 07/15/2018 09:02
 Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): N1474.D Heated Purge: (Y/N) N
 Calibration ID: 34082

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	233733	5.36	927332	8.34	508313	10.74	
UPPER LIMIT	467466	5.86	1854664	8.84	1016626	11.24	
LOWER LIMIT	116867	4.86	463666	7.84	254157	10.24	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-424504/5		230498	5.36	919844	8.34	476465	10.74
MB 480-424504/7		216348	5.36	841433	8.34	416101	10.74
480-138781-1	Rinse Blank	211032	5.36	801372	8.34	428703	10.74
480-138781-3	DPE-8	203342	5.36	826604	8.34	413103	10.74

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.: 480-138781-1
 SDG No.: _____
 Sample No.: CCVIS 480-424528/3 Date Analyzed: 07/16/2018 08:25
 Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): N1501.D Heated Purge: (Y/N) N
 Calibration ID: 34082

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	228252	5.36	918666	8.34	482000	10.74	
UPPER LIMIT	456504	5.86	1837332	8.84	964000	11.24	
LOWER LIMIT	114126	4.86	459333	7.84	241000	10.24	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-424528/5		216453	5.36	837285	8.34	448254	10.74
MB 480-424528/7		205031	5.36	807963	8.34	426123	10.74
480-138781-7	DPE-2	203005	5.36	863010	8.34	418586	10.74

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.: 480-138781-1
 SDG No.: _____
 Sample No.: CCVIS 480-424720/3 Date Analyzed: 07/16/2018 20:39
 Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): N1528.D Heated Purge: (Y/N) N
 Calibration ID: 34082

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	219933	5.36	874632	8.35	472989	10.74	
UPPER LIMIT	439866	5.86	1749264	8.85	945978	11.24	
LOWER LIMIT	109967	4.86	437316	7.85	236495	10.24	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-424720/8		214949	5.36	858303	8.34	442681	10.74
MB 480-424720/9		208300	5.36	823181	8.34	434231	10.74
480-138781-5	Trip-0712-18	195097	5.36	746969	8.34	380659	10.74
480-138781-6	DPE-1	193947	5.36	801103	8.35	400540	10.74

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.: 480-138781-1
 SDG No.: _____
 Sample No.: CCVIS 480-424746/3 Date Analyzed: 07/17/2018 08:59
 Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): N1555.D Heated Purge: (Y/N) N
 Calibration ID: 34082

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		225903	5.36	878944	8.35	469589	10.74
UPPER LIMIT		451806	5.86	1757888	8.85	939178	11.24
LOWER LIMIT		112952	4.86	439472	7.85	234795	10.24
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 480-424746/5		233899	5.36	903129	8.34	462196	10.74
MB 480-424746/7		203674	5.36	847002	8.34	430084	10.74
480-138781-8	DPE-3	197422	5.36	799244	8.34	399972	10.74
480-138781-9	DPE-4	201818	5.36	798260	8.34	387170	10.74
480-138781-11	DPE-7	200948	5.36	838453	8.34	414899	10.74
480-138781-12	MW-11	195898	5.36	813736	8.34	399459	10.74

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.: 480-138781-1
SDG No.: _____
Sample No.: ICIS 480-425324/12 Date Analyzed: 07/19/2018 17:42
Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm)
Lab File ID (Standard): N1653.D Heated Purge: (Y/N) N
Calibration ID: 34380

	FB		CBNZd5		DCBd4	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	205403	5.36	755561	8.34	407034	10.74
UPPER LIMIT	410806	5.86	1511122	8.84	814068	11.24
LOWER LIMIT	102702	4.86	377781	7.84	203517	10.24
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCVIS 480-425702/5		210199	5.36	757073	8.34	435202 10.74

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.: 480-138781-1
 SDG No.: _____
 Sample No.: CCVIS 480-425702/5 Date Analyzed: 07/21/2018 22:00
 Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): N1702.D Heated Purge: (Y/N) N
 Calibration ID: 34382

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		210199	5.36	757073	8.34	435202	10.74
UPPER LIMIT		420398	5.86	1514146	8.84	870404	11.24
LOWER LIMIT		105100	4.86	378537	7.84	217601	10.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-425702/26		203313	5.36	721788	8.34	409969	10.74
MB 480-425702/27		204610	5.36	709871	8.34	392988	10.74
480-138931-1	MW-2	200923	5.36	732167	8.34	397350	10.74
480-138931-2	MW-3	192135	5.36	674865	8.34	374398	10.74
480-138931-3	MW-4	202195	5.36	669926	8.35	386680	10.74
480-138931-4	Trip Blank - 071318	184695	5.36	668926	8.35	360102	10.74
480-138931-5	MW-10	197186	5.36	715198	8.34	386090	10.74
480-138931-6	MW-13S	191225	5.36	711396	8.34	381355	10.74
480-138931-7	MW-12	185694	5.36	659887	8.34	365216	10.74
480-138931-8	MW-16S	181755	5.36	673069	8.34	360072	10.74
480-138931-9	Duplicate	186546	5.36	674859	8.34	384185	10.74
480-138931-11	MW-16D	183200	5.36	653657	8.34	364586	10.74
480-138931-12	MW-13D	187261	5.36	692502	8.34	372872	10.74

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.: 480-138781-1
 SDG No.: _____
 Sample No.: ICIS 480-420621/10 Date Analyzed: 06/20/2018 15:48
 Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): S2511.D Heated Purge: (Y/N) N
 Calibration ID: 34116

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		197139	5.51	406209	8.51	365129	10.89
UPPER LIMIT		394278	6.01	812418	9.01	730258	11.39
LOWER LIMIT		98570	5.01	203105	8.01	182565	10.39
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCVIS 480-424950/15		133882	5.51	271021	8.51	263463	10.89
CCVIS 480-425155/3		132804	5.51	268091	8.51	254364	10.89

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.: 480-138781-1
 SDG No.: _____
 Sample No.: CCVIS 480-424950/15 Date Analyzed: 07/18/2018 09:32
 Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): S3643.D Heated Purge: (Y/N) N
 Calibration ID: 34119

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	133882	5.51	271021	8.51	263463	10.89	
UPPER LIMIT	267764	6.01	542042	9.01	526926	11.39	
LOWER LIMIT	66941	5.01	135511	8.01	131732	10.39	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-424950/5		132522	5.51	277869	8.51	260229	10.89
MB 480-424950/9		135840	5.51	271499	8.51	254922	10.89
480-138781-9 DL	DPE-4 DL	131881	5.51	263507	8.51	246812	10.89
480-138781-10	DPE-5	128353	5.51	275580	8.51	253050	10.89

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.: 480-138781-1
 SDG No.: _____
 Sample No.: CCVIS 480-425155/3 Date Analyzed: 07/18/2018 19:14
 Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): S3667.D Heated Purge: (Y/N) N
 Calibration ID: 34119

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	132804	5.51	268091	8.51	254364	10.89	
UPPER LIMIT	265608	6.01	536182	9.01	508728	11.39	
LOWER LIMIT	66402	5.01	134046	8.01	127182	10.39	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-425155/5		129639	5.51	268537	8.51	261767	10.89
MB 480-425155/7		124147	5.51	258243	8.51	239457	10.89
480-138781-2	DPE-6	125154	5.51	257239	8.51	238095	10.89
480-138781-4	GWCT	123802	5.51	252423	8.51	227624	10.89

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.: 480-138781-1
SDG No.: _____
Sample No.: ICIS 480-425337/11 Date Analyzed: 07/19/2018 18:58
Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm)
Lab File ID (Standard): S3712.D Heated Purge: (Y/N) N
Calibration ID: 34374

	FB		CBNZd5		DCBd4	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	200271	5.51	412937	8.51	372607	10.89
UPPER LIMIT	400542	6.01	825874	9.01	745214	11.39
LOWER LIMIT	100136	5.01	206469	8.01	186304	10.39
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCVIS 480-425707/9		220200	5.51	464207	8.51	433206 10.89

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.: 480-138781-1
 SDG No.: _____
 Sample No.: CCVIS 480-425707/9 Date Analyzed: 07/22/2018 09:29
 Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): S3761.D Heated Purge: (Y/N) N
 Calibration ID: 34377

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		220200	5.51	464207	8.51	433206	10.89
UPPER LIMIT		440400	6.01	928414	9.01	866412	11.39
LOWER LIMIT		110100	5.01	232104	8.01	216603	10.39
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 480-425707/5		222771	5.51	458747	8.51	420015	10.89
MB 480-425707/7		210168	5.51	437961	8.51	395196	10.89
480-138931-9 DL	Duplicate DL	216638	5.51	445241	8.52	397792	10.89
480-138931-10	MW-8R	214710	5.52	450772	8.51	386175	10.89
480-138931-10 MS	MW-8R MS	211019	5.51	436570	8.51	405508	10.89
480-138931-10 MSD	MW-8R MSD	213809	5.51	443824	8.51	414309	10.89

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>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>Rinse Blank</u>	Lab Sample ID: <u>480-138781-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>N1479.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/12/2018 13:40</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/15/2018 11:27</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>424504</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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: Rinse Blank Lab Sample ID: 480-138781-1
 Matrix: Water Lab File ID: N1479.D
 Analysis Method: 8260C Date Collected: 07/12/2018 13:40
 Sample wt/vol: 5 (mL) Date Analyzed: 07/15/2018 11:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 424504 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)	108		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
2037-26-5	Toluene-d8 (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1479.D
 Lims ID: 480-138781-A-1
 Client ID: Rinse Blank
 Sample Type: Client
 Inject. Date: 15-Jul-2018 11:27:30 ALS Bottle#: 1 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138781-A-1
 Misc. Info.: 480-0073087-009
 Operator ID: AM Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Jul-2018 12:33:17 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK006

First Level Reviewer: moffata

Date: 15-Jul-2018 12:33:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	211032	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.338	0.001	90	801372	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	96	428703	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.768	4.767	0.001	92	293102	24.3	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	406847	27.1	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	993228	23.5	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.598	0.000	94	351198	26.6	
11 Dichlorodifluoromethane	85		1.300				ND	
13 Chloromethane	50		1.470				ND	
14 Vinyl chloride	62		1.543				ND	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64		1.939				ND	
18 Trichlorofluoromethane	101		2.145				ND	
22 1,1-Dichloroethene	96		2.632				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43		2.736				ND	U
25 Carbon disulfide	76		2.827				ND	
28 Methyl acetate	43		3.034				ND	
30 Methylene Chloride	84		3.125				ND	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96		3.362				ND	
36 1,1-Dichloroethane	63		3.764				ND	
43 cis-1,2-Dichloroethene	96		4.311				ND	
44 2-Butanone (MEK)	43		4.335				ND	
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.767				ND	
53 Carbon tetrachloride	117		4.883				ND	
55 Benzene	78		5.090				ND	
57 1,2-Dichloroethane	62		5.139				ND	
60 Trichloroethene	95		5.704				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.844				ND	
63 1,2-Dichloropropane	63		5.929				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	
73 Toluene	92		6.933				ND	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.475				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.779				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.275				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.786				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.113				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00330

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00116

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1479.D

Injection Date: 15-Jul-2018 11:27:30

Instrument ID: HP5973N

Operator ID: AM

Lims ID: 480-138781-A-1

Lab Sample ID: 480-138781-1

Worklist Smp#: 9

Client ID: Rinse Blank

Purge Vol: 5.000 mL

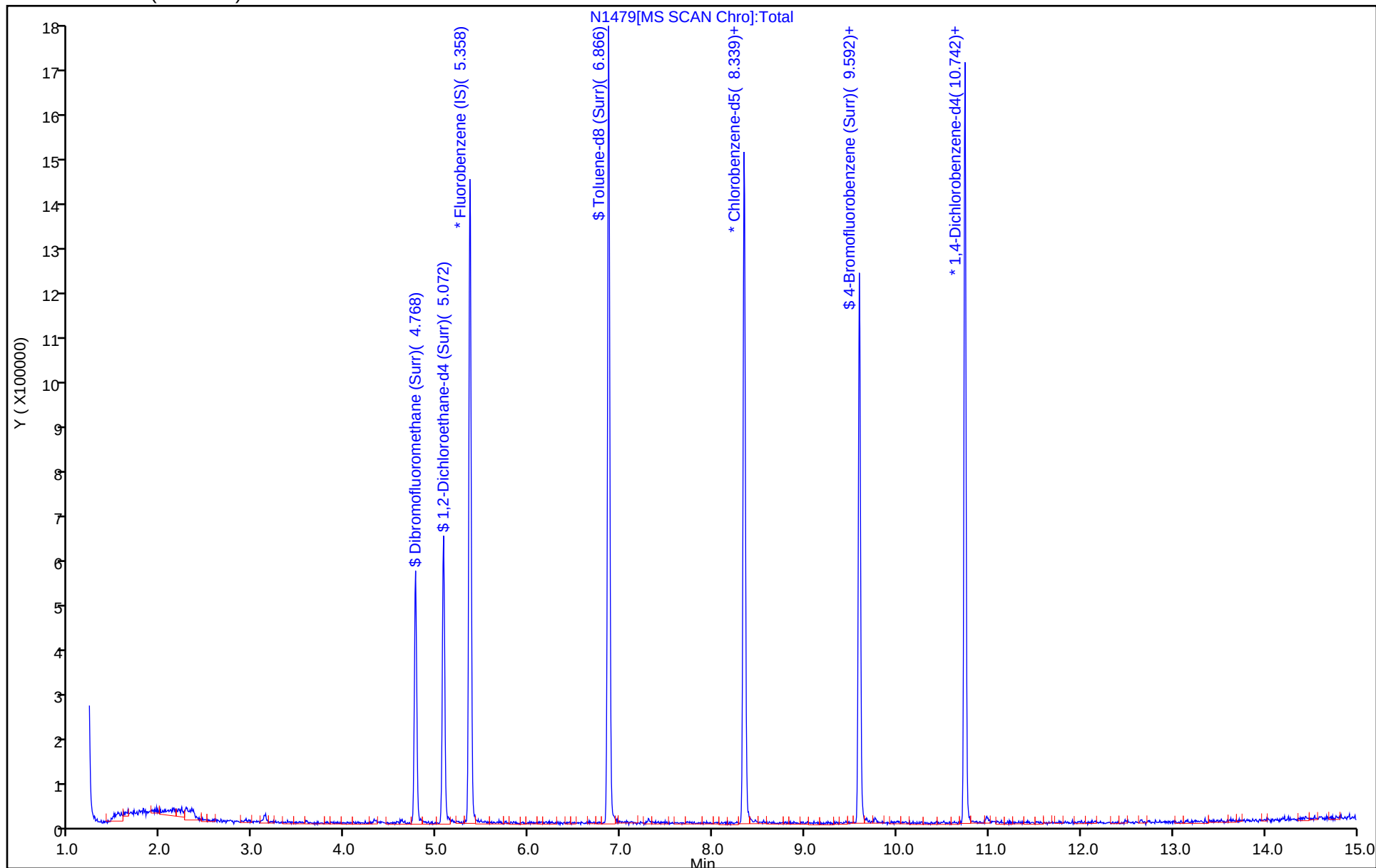
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1479.D

Injection Date: 15-Jul-2018 11:27:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-1

Lab Sample ID: 480-138781-1

Client ID: Rinse Blank

Operator ID: AM

ALS Bottle#: 1 Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

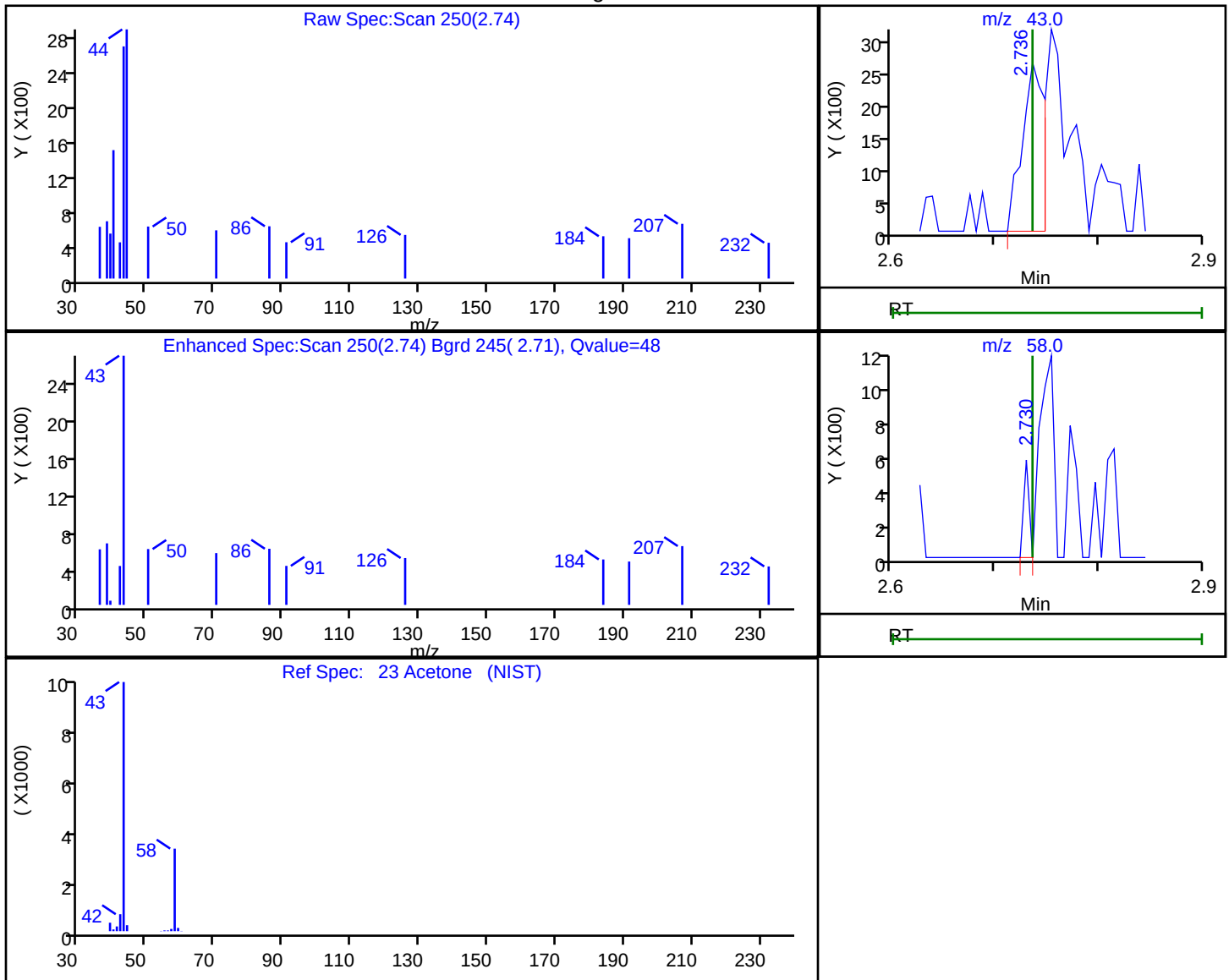
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.74	43.00	3930	0.928626
2.73	58.00	204	

Reviewer: moffata, 15-Jul-2018 12:33:08

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>DPE-6</u>	Lab Sample ID: <u>480-138781-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3684.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/12/2018 13:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/19/2018 02:42</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>425155</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	62		1.0	0.38
75-35-4	1,1-Dichloroethene	0.94	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)	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	9.5	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	54		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: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>DPE-6</u>	Lab Sample ID: <u>480-138781-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3684.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/12/2018 13:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/19/2018 02:42</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>425155</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	1.0		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	16		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	33		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)	95		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
2037-26-5	Toluene-d8 (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3684.D
 Lims ID: 480-138781-C-2
 Client ID: DPE-6
 Sample Type: Client
 Inject. Date: 19-Jul-2018 02:42:30 ALS Bottle#: 19 Worklist Smp#: 21
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138781-C-2
 Misc. Info.: 480-0073194-021
 Operator ID: NC Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 19-Jul-2018 10:19:28 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK034

First Level Reviewer: HillL

Date: 19-Jul-2018 10:19:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	125154	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	257239	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	96	238095	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	59	150404	25.1	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	98	93299	23.8	
\$ 5 Toluene-d8 (Surr)	98	7.024	7.025	-0.001	92	575924	23.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	93	187545	24.4	
10 Dichlorodifluoromethane	85		1.282				ND	
12 Chloromethane	50		1.470				ND	
13 Vinyl chloride	62	1.549	1.549	0.000	98	284968	33.5	
14 Bromomethane	94		1.872				ND	
15 Chloroethane	64		1.975				ND	
17 Trichlorofluoromethane	101		2.194				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.699				ND	
22 1,1-Dichloroethene	96	2.723	2.723	0.000	27	5177	0.9365	
23 Acetone	43	2.845	2.851	-0.006	67	22826	9.48	
26 Carbon disulfide	76		2.918				ND	U
27 Methyl acetate	43		3.149				ND	
30 Methylene Chloride	84		3.253				ND	
32 Methyl tert-butyl ether	73		3.454				ND	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	46	2992	0.4729	
39 1,1-Dichloroethane	63	3.898	3.898	0.000	96	830070	62.3	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	83	391493	53.8	
43 2-Butanone (MEK)	43		4.494				ND	
50 Chloroform	83		4.774				ND	
52 Cyclohexane	56		4.883				ND	
51 1,1,1-Trichloroethane	97		4.883				ND	
55 Carbon tetrachloride	117		5.017				ND	
57 Benzene	78		5.236				ND	
58 1,2-Dichloroethane	62		5.309				ND	
62 Trichloroethene	95	5.850	5.850	0.000	96	106943	15.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.960				ND	
65 1,2-Dichloropropane	63		6.094				ND	
68 Dichlorobromomethane	83		6.386				ND	
72 cis-1,3-Dichloropropene	75		6.806				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.952				ND	
74 Toluene	92	7.085	7.079	0.000	67	17914	1.05	
77 trans-1,3-Dichloropropene	75		7.371				ND	
79 1,1,2-Trichloroethane	83		7.566				ND	
81 Tetrachloroethene	166		7.615				ND	
80 2-Hexanone	43		7.791				ND	
83 Chlorodibromomethane	129		7.961				ND	
84 Ethylene Dibromide	107		8.065				ND	
87 Chlorobenzene	112		8.539				ND	
88 Ethylbenzene	91		8.631				ND	
90 m-Xylene & p-Xylene	106		8.746				ND	
91 o-Xylene	106		9.178				ND	
92 Styrene	104		9.209				ND	
95 Bromoform	173		9.464				ND	
94 Isopropylbenzene	105		9.561				ND	
97 1,1,2,2-Tetrachloroethane	83		9.969				ND	
111 1,3-Dichlorobenzene	146		10.821				ND	
113 1,4-Dichlorobenzene	146		10.912				ND	
116 1,2-Dichlorobenzene	146		11.265				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995				ND	
119 1,2,4-Trichlorobenzene	180		12.664				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3684.D

Injection Date: 19-Jul-2018 02:42:30

Instrument ID: HP5973S

Operator ID: NC

Lims ID: 480-138781-C-2

Lab Sample ID: 480-138781-2

Worklist Smp#: 21

Client ID: DPE-6

Purge Vol: 5.000 mL

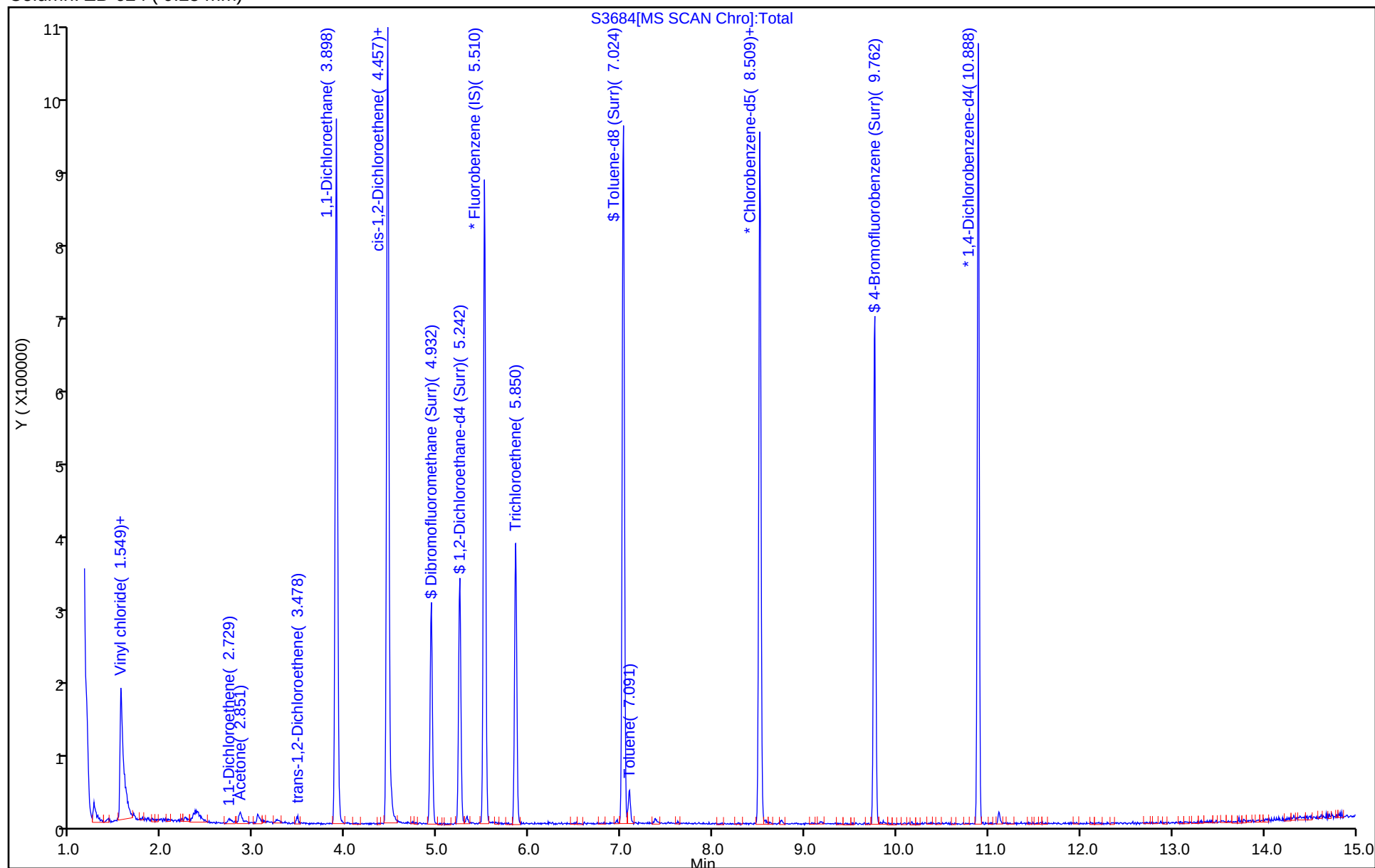
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3684.D

Injection Date: 19-Jul-2018 02:42:30

Instrument ID: HP5973S

Lims ID: 480-138781-C-2

Lab Sample ID: 480-138781-2

Client ID: DPE-6

Operator ID: NC

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 5.000 mL

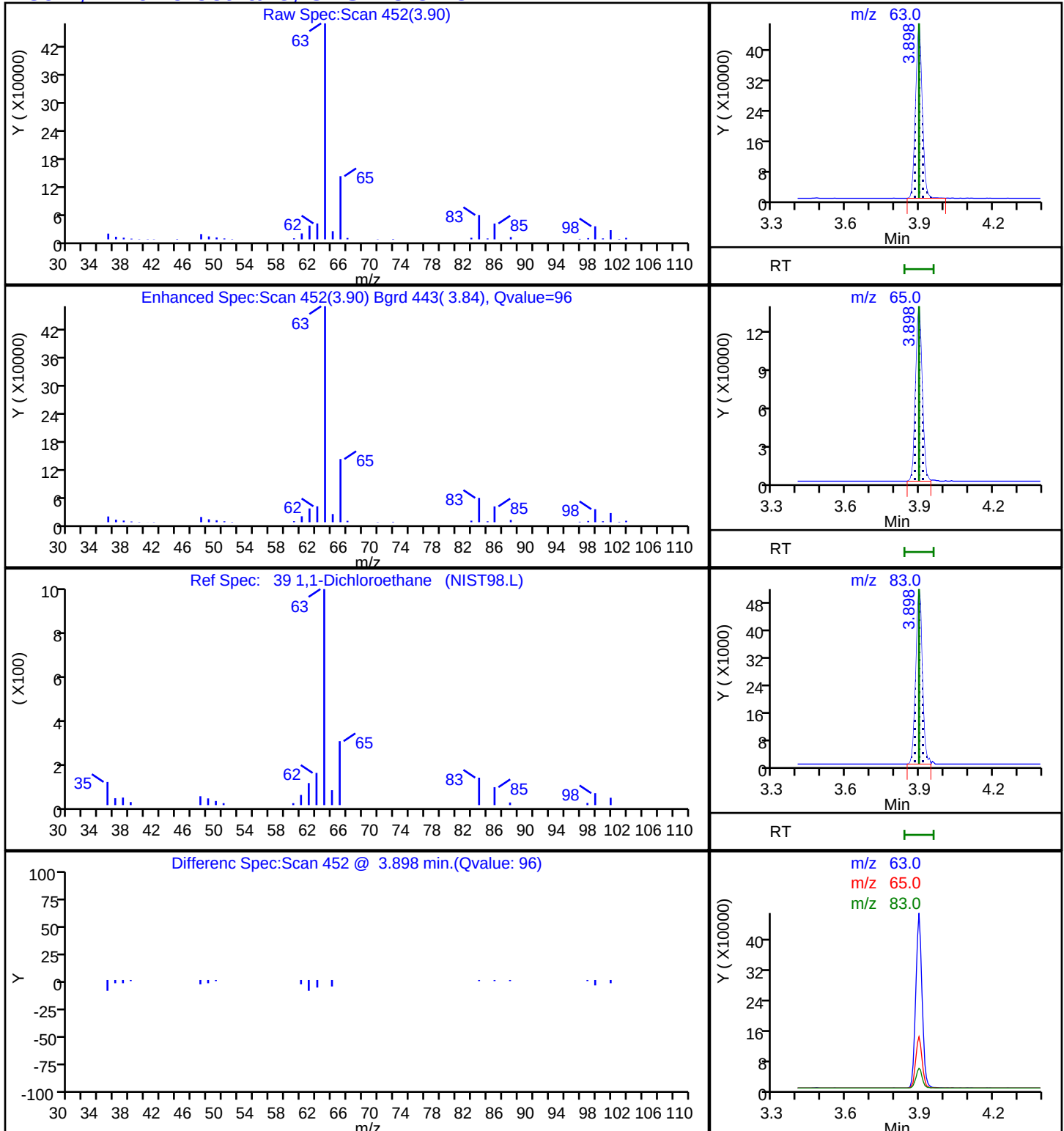
Dil. Factor: 1.0000

Method: S-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\HP5973S\20180718-73194.b\S3684.D

Injection Date: 19-Jul-2018 02:42:30

Instrument ID: HP5973S

Lims ID: 480-138781-C-2

Lab Sample ID: 480-138781-2

Client ID: DPE-6

Operator ID: NC

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 5.000 mL

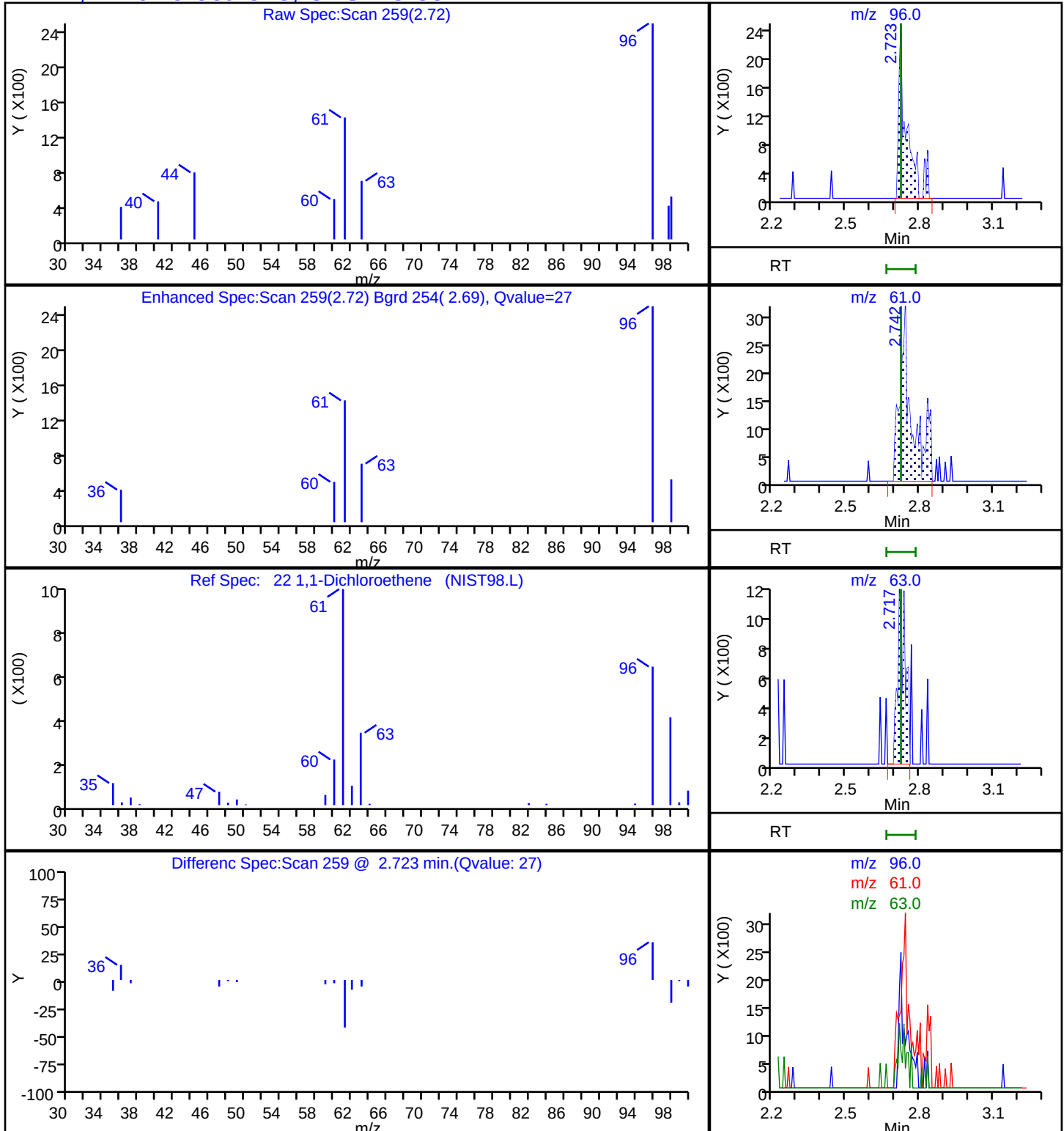
Dil. Factor: 1.0000

Method: S-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\HP5973S\20180718-73194.b\S3684.D

Injection Date: 19-Jul-2018 02:42:30

Instrument ID: HP5973S

Lims ID: 480-138781-C-2

Lab Sample ID: 480-138781-2

Client ID: DPE-6

Operator ID: NC

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 5.000 mL

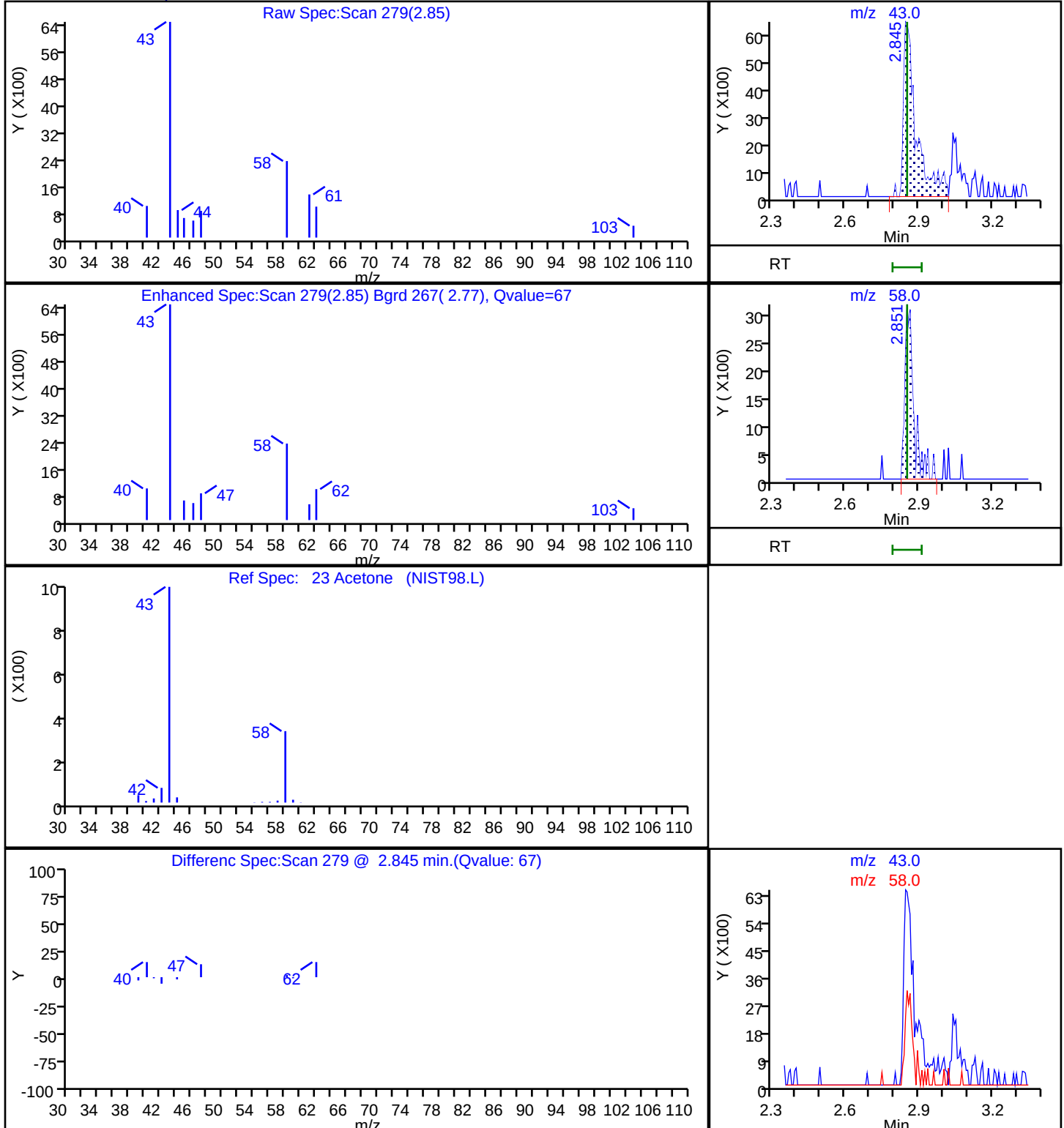
Dil. Factor: 1.0000

Method: S-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\HP5973S\20180718-73194.b\S3684.D

Injection Date: 19-Jul-2018 02:42:30

Instrument ID: HP5973S

Lims ID: 480-138781-C-2

Lab Sample ID: 480-138781-2

Client ID: DPE-6

Operator ID: NC

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 5.000 mL

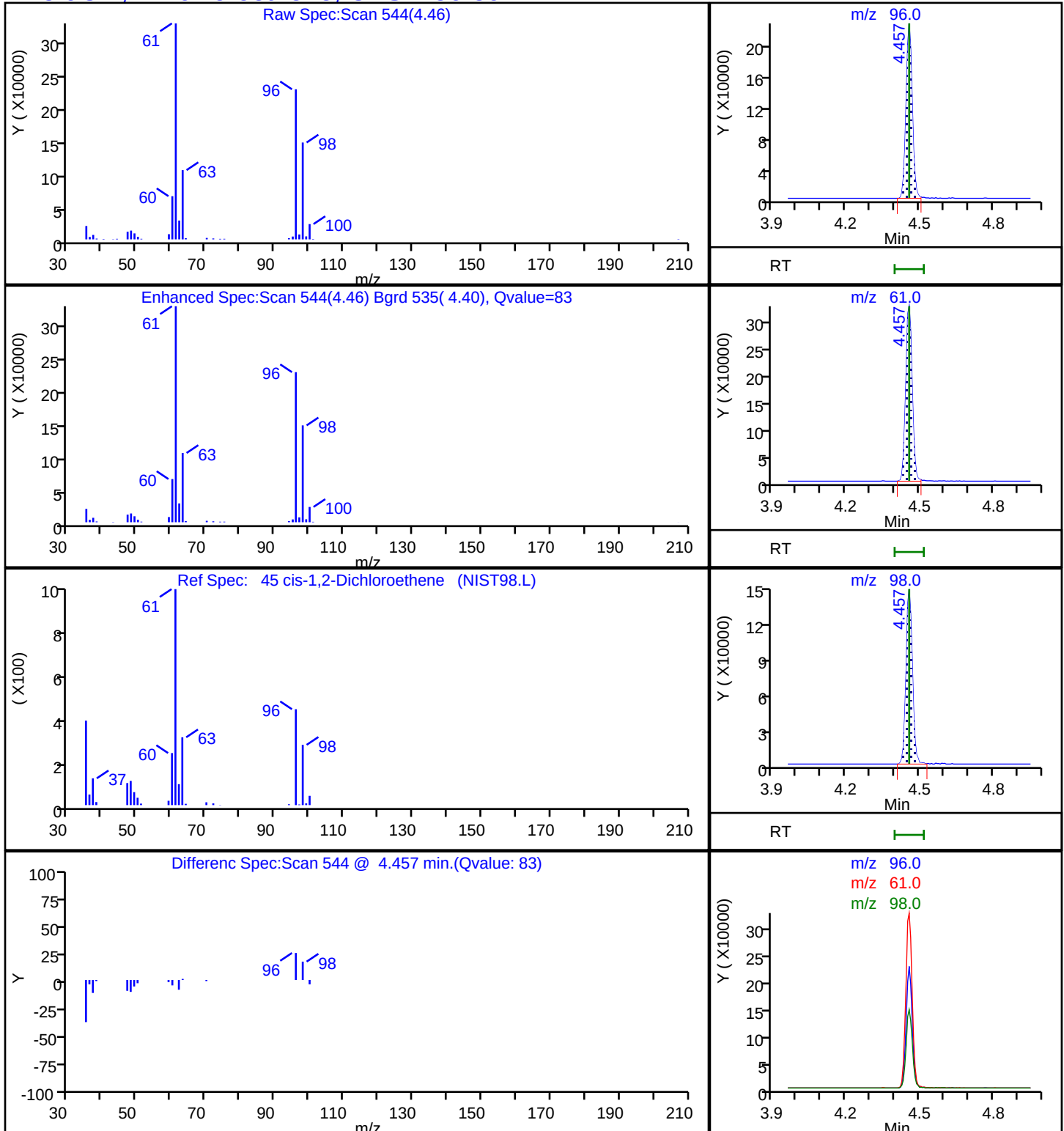
Dil. Factor: 1.0000

Method: S-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\HP5973S\20180718-73194.b\S3684.D

Injection Date: 19-Jul-2018 02:42:30

Instrument ID: HP5973S

Lims ID: 480-138781-C-2

Lab Sample ID: 480-138781-2

Client ID: DPE-6

Operator ID: NC

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 5.000 mL

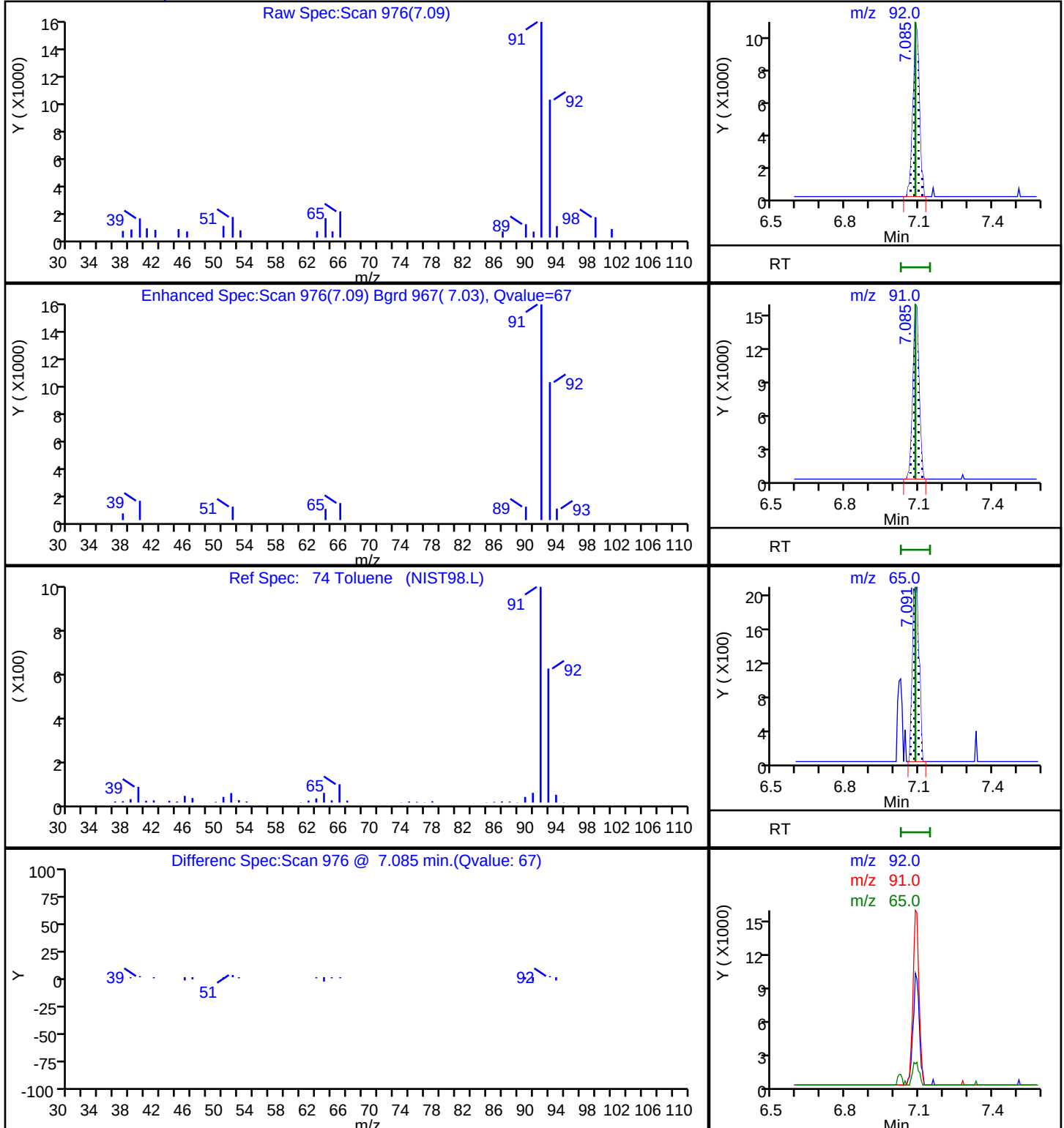
Dil. Factor: 1.0000

Method: S-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\HP5973S\20180718-73194.b\S3684.D

Injection Date: 19-Jul-2018 02:42:30

Instrument ID: HP5973S

Lims ID: 480-138781-C-2

Lab Sample ID: 480-138781-2

Client ID: DPE-6

Operator ID: NC

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 5.000 mL

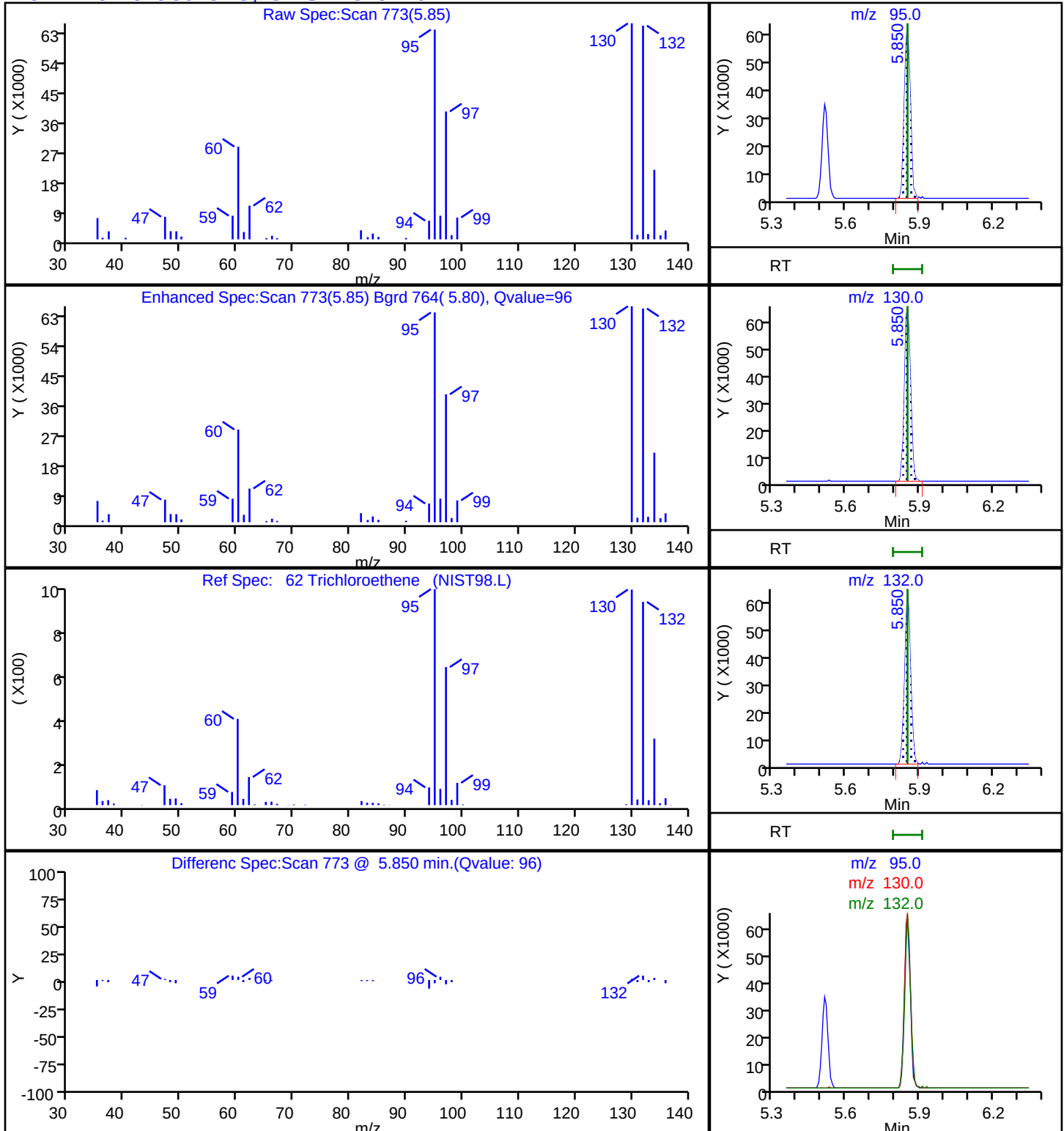
Dil. Factor: 1.0000

Method: S-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\HP5973S\20180718-73194.b\S3684.D

Injection Date: 19-Jul-2018 02:42:30

Instrument ID: HP5973S

Lims ID: 480-138781-C-2

Lab Sample ID: 480-138781-2

Client ID: DPE-6

Operator ID: NC

ALS Bottle#: 19

Worklist Smp#: 21

Purge Vol: 5.000 mL

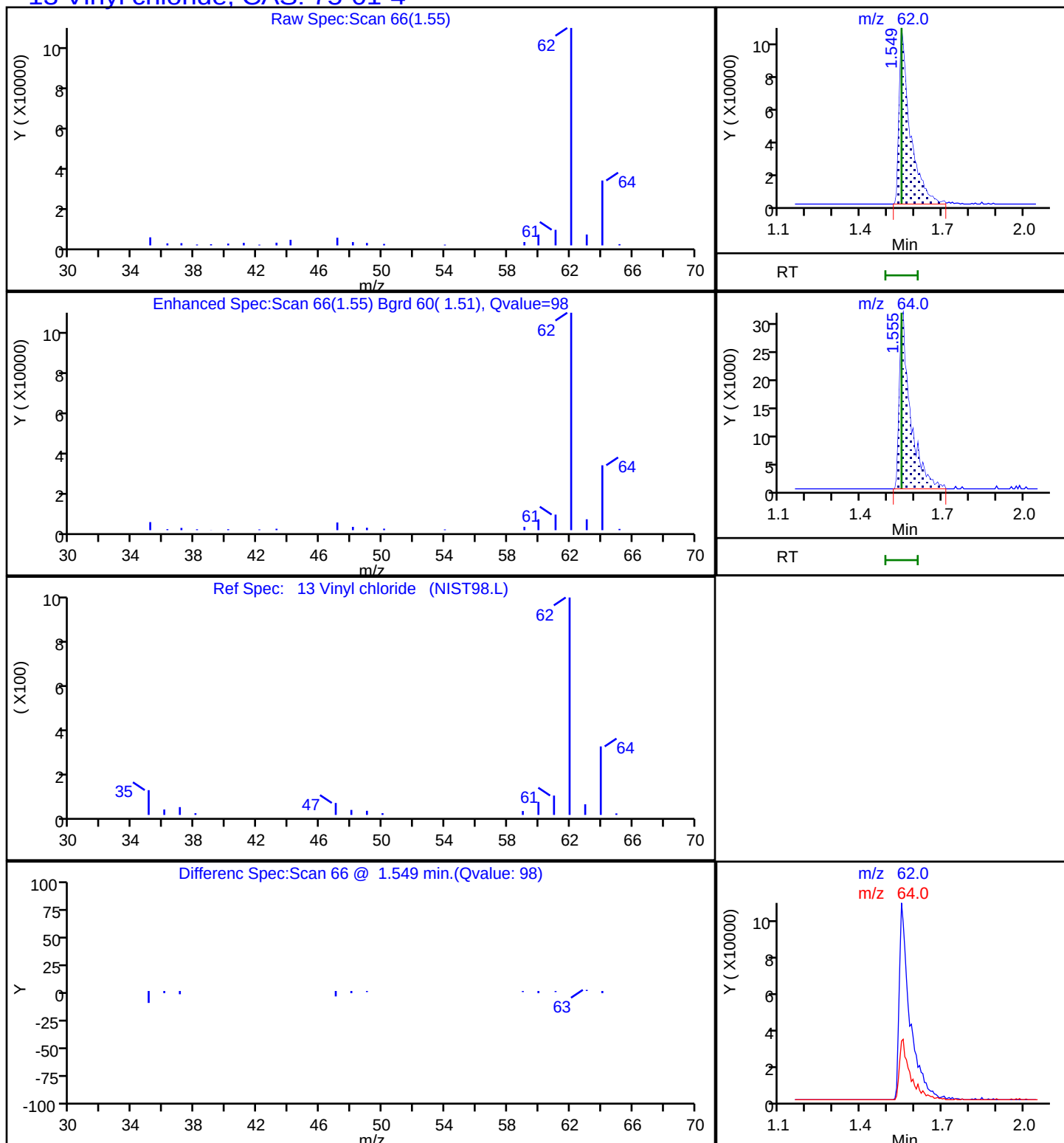
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

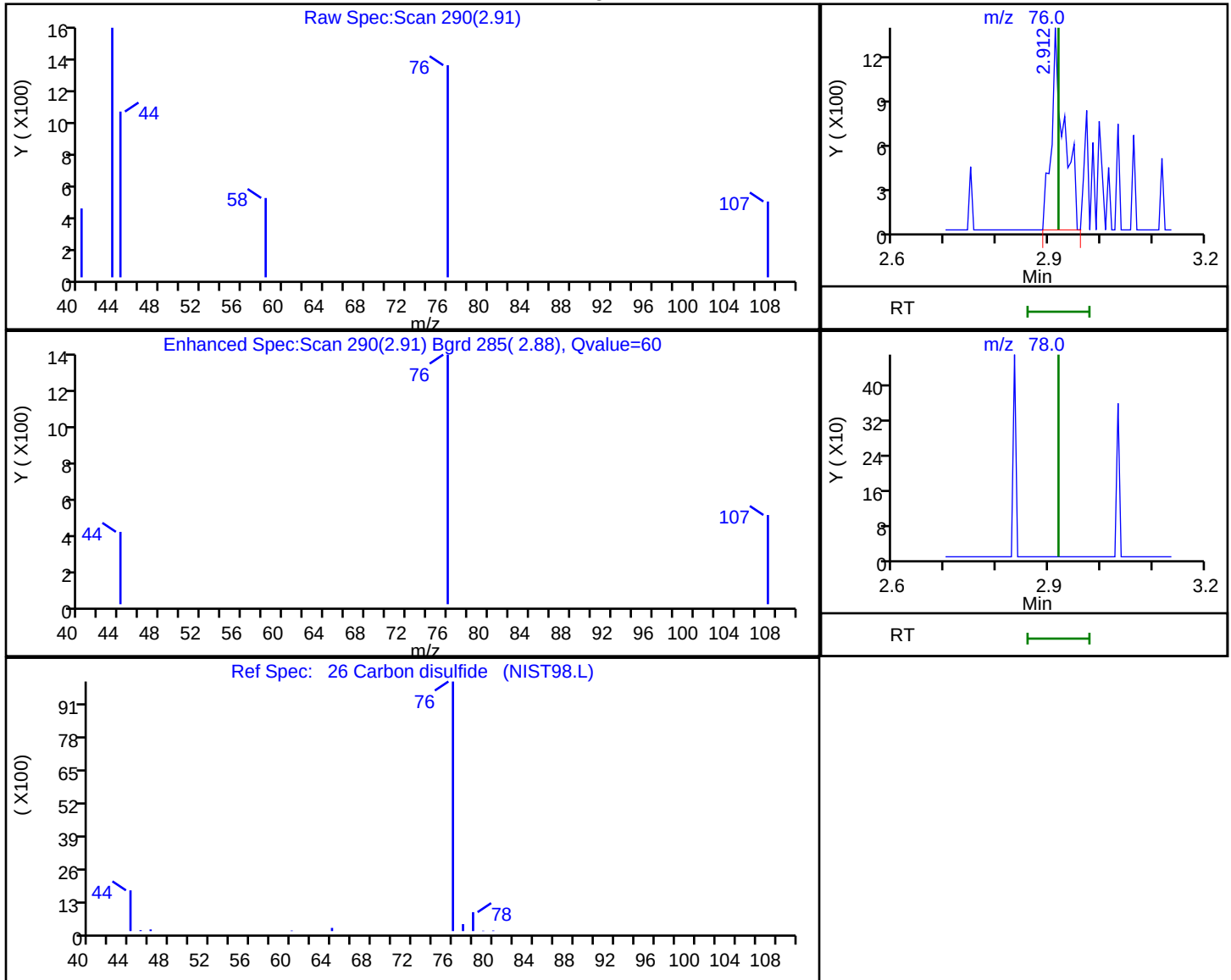
13 Vinyl chloride, CAS: 75-01-4

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3684.D
Injection Date: 19-Jul-2018 02:42:30 Instrument ID: HP5973S
Lims ID: 480-138781-C-2 Lab Sample ID: 480-138781-2
Client ID: DPE-6
Operator ID: NC ALS Bottle#: 19 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.91	76.00	2244	0.127328
2.92	78.00	0	

Reviewer: HillL, 19-Jul-2018 10:19:15

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>DPE-8</u>	Lab Sample ID: <u>480-138781-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>N1480.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/12/2018 12:55</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/15/2018 11:54</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>20</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>424504</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	30		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	28		20	7.6
75-35-4	1,1-Dichloroethene	ND		20	5.8
120-82-1	1,2,4-Trichlorobenzene	ND		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND		20	7.8
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	ND		20	6.4
67-66-3	Chloroform	ND		20	6.8
74-87-3	Chloromethane	ND		20	7.0
156-59-2	cis-1,2-Dichloroethene	1000		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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: DPE-8 Lab Sample ID: 480-138781-3
 Matrix: Water Lab File ID: N1480.D
 Analysis Method: 8260C Date Collected: 07/12/2018 12:55
 Sample wt/vol: 5 (mL) Date Analyzed: 07/15/2018 11:54
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 424504 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	40		20	9.2
75-69-4	Trichlorofluoromethane	ND		20	18
75-01-4	Vinyl chloride	120		20	18
1330-20-7	Xylenes, Total	ND		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
2037-26-5	Toluene-d8 (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1480.D
 Lims ID: 480-138781-A-3
 Client ID: DPE-8
 Sample Type: Client
 Inject. Date: 15-Jul-2018 11:54:30 ALS Bottle#: 2 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 20.0000
 Sample Info: 480-138781-A-3
 Misc. Info.: 480-0073087-010
 Operator ID: AM Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Jul-2018 12:39:06 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK006

First Level Reviewer: moffata

Date: 15-Jul-2018 12:39:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.357	5.358	-0.001	98	203342	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.338	0.000	89	826604	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.742	-0.001	96	413103	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	0.000	92	286075	24.6	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	404363	27.9	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	1035781	23.8	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.598	-0.006	93	349813	25.7	
11 Dichlorodifluoromethane	85		1.300				ND	
13 Chloromethane	50		1.470				ND	
14 Vinyl chloride	62	1.537	1.543	-0.006	98	88019	6.22	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64		1.939				ND	U
18 Trichlorofluoromethane	101		2.145				ND	
22 1,1-Dichloroethene	96		2.632				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43		2.736				ND	U
25 Carbon disulfide	76		2.827				ND	
28 Methyl acetate	43		3.034				ND	
30 Methylene Chloride	84		3.125				ND	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96	3.374	3.362	0.012	39	3334	0.2668	
36 1,1-Dichloroethane	63	3.770	3.764	0.006	96	32518	1.38	
43 cis-1,2-Dichloroethene	96	4.305	4.311	-0.006	85	717975	52.4	
44 2-Butanone (MEK)	43		4.335				ND	
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97	4.749	4.743	0.006	96	27595	1.52	
52 Cyclohexane	56		4.767				ND	
53 Carbon tetrachloride	117		4.883				ND	
55 Benzene	78		5.090				ND	
57 1,2-Dichloroethane	62		5.139				ND	
60 Trichloroethene	95	5.704	5.704	0.000	91	25384	2.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.844				ND	
63 1,2-Dichloropropane	63		5.929				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	U
73 Toluene	92		6.933				ND	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.475				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.779				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.275				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.786				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.113				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00330

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00116

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1480.D

Injection Date: 15-Jul-2018 11:54:30

Instrument ID: HP5973N

Operator ID: AM

Lims ID: 480-138781-A-3

Lab Sample ID: 480-138781-3

Worklist Smp#: 10

Client ID: DPE-8

Purge Vol: 5.000 mL

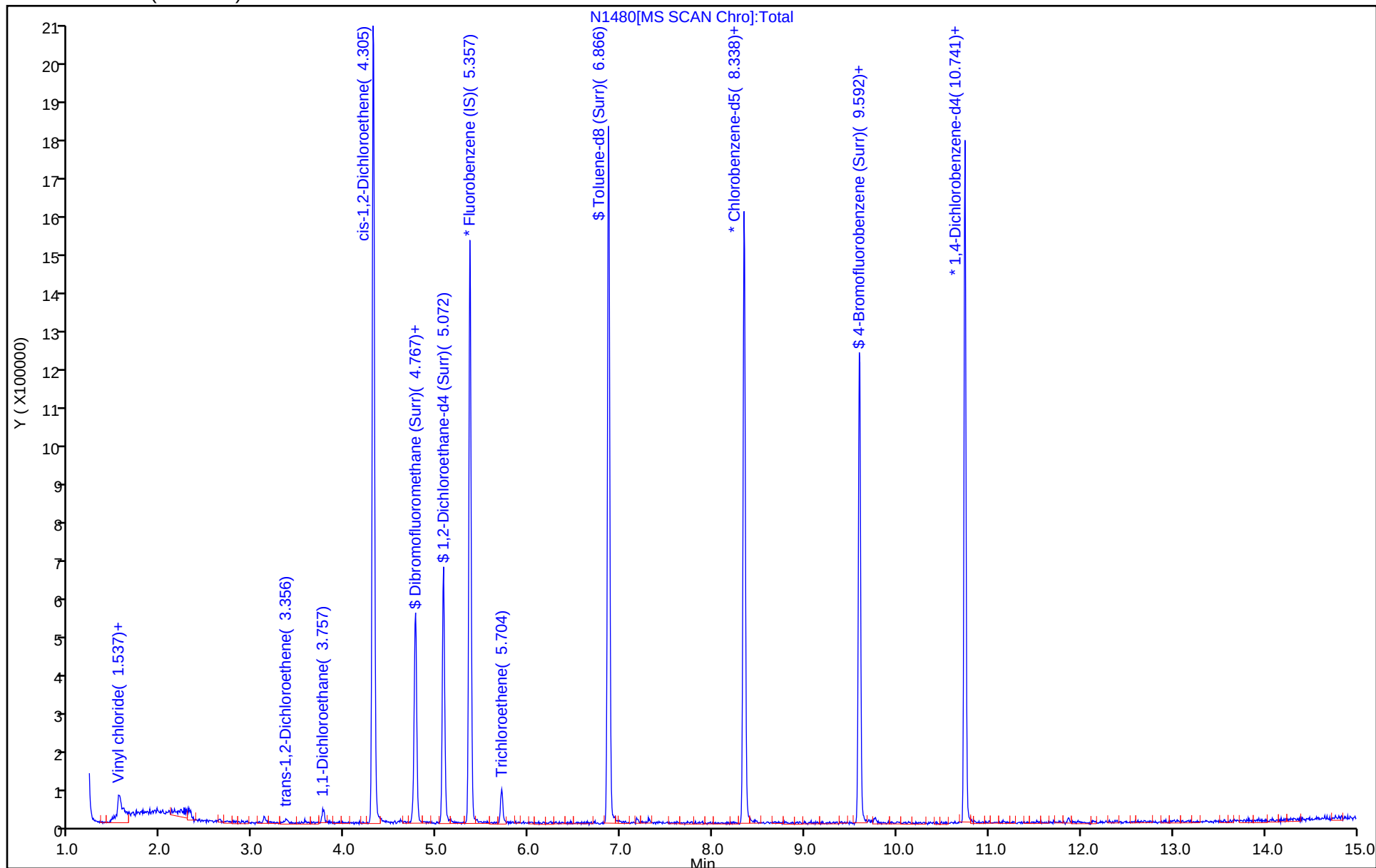
Dil. Factor: 20.0000

ALS Bottle#: 2

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1480.D

Injection Date: 15-Jul-2018 11:54:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-3

Lab Sample ID: 480-138781-3

Client ID: DPE-8

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 10

Purge Vol: 5.000 mL

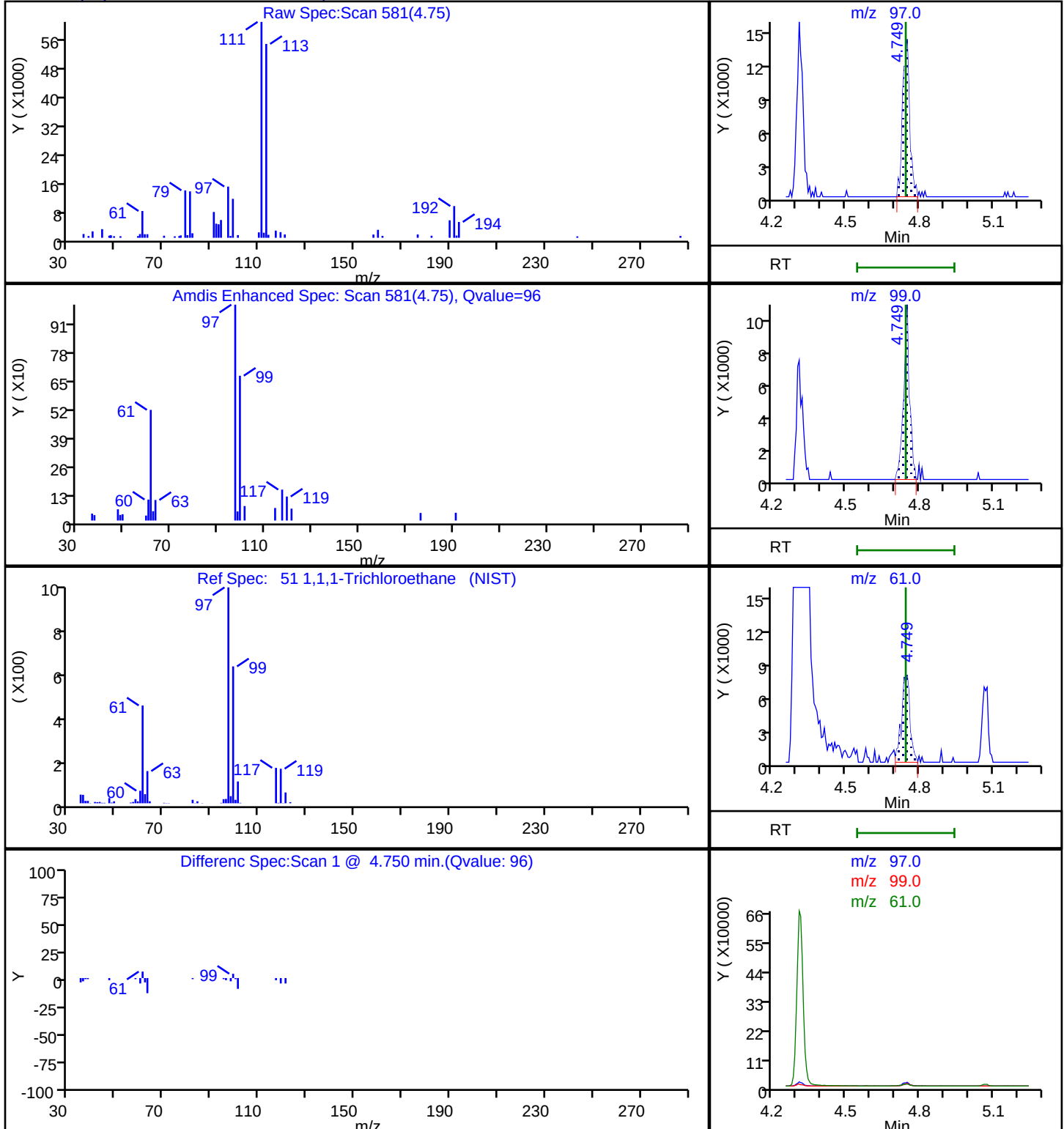
Dil. Factor: 20.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1480.D

Injection Date: 15-Jul-2018 11:54:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-3

Lab Sample ID: 480-138781-3

Client ID: DPE-8

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 10

Purge Vol: 5.000 mL

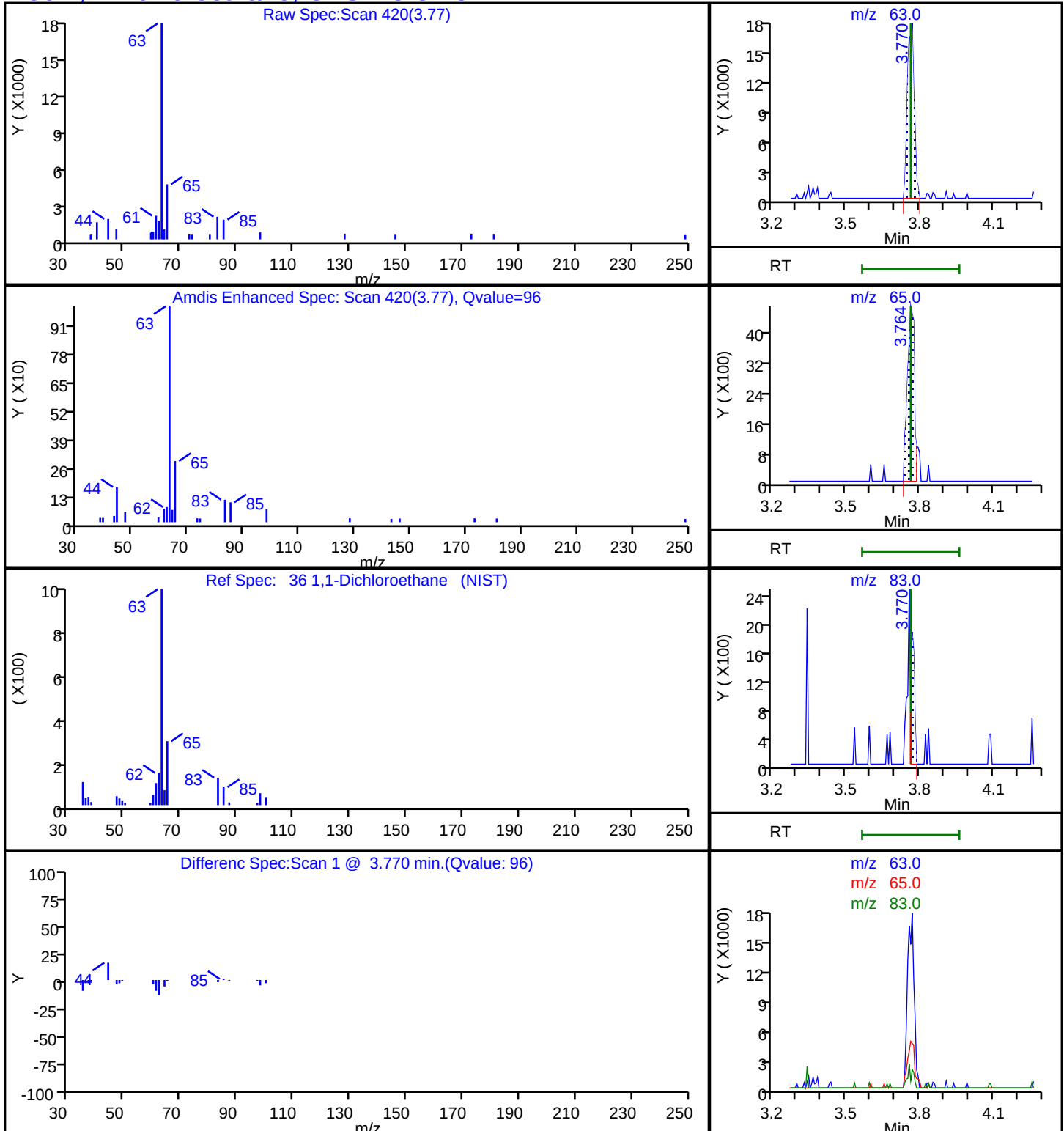
Dil. Factor: 20.0000

Method: N-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\HP5973N\20180715-73087.b\N1480.D

Injection Date: 15-Jul-2018 11:54:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-3

Lab Sample ID: 480-138781-3

Client ID: DPE-8

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 10

Purge Vol: 5.000 mL

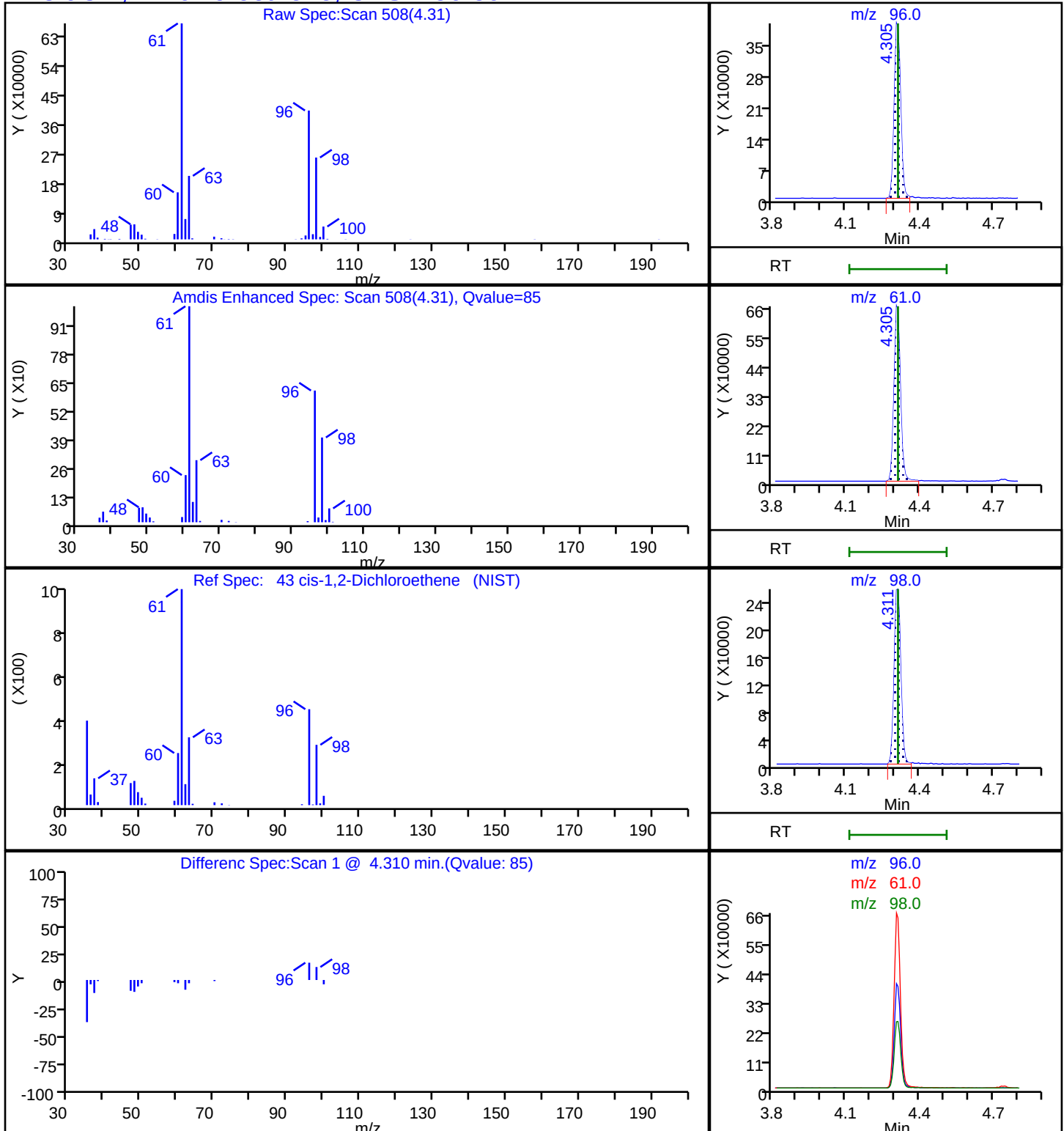
Dil. Factor: 20.0000

Method: N-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\HP5973N\20180715-73087.b\N1480.D

Injection Date: 15-Jul-2018 11:54:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-3

Lab Sample ID: 480-138781-3

Client ID: DPE-8

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 10

Purge Vol: 5.000 mL

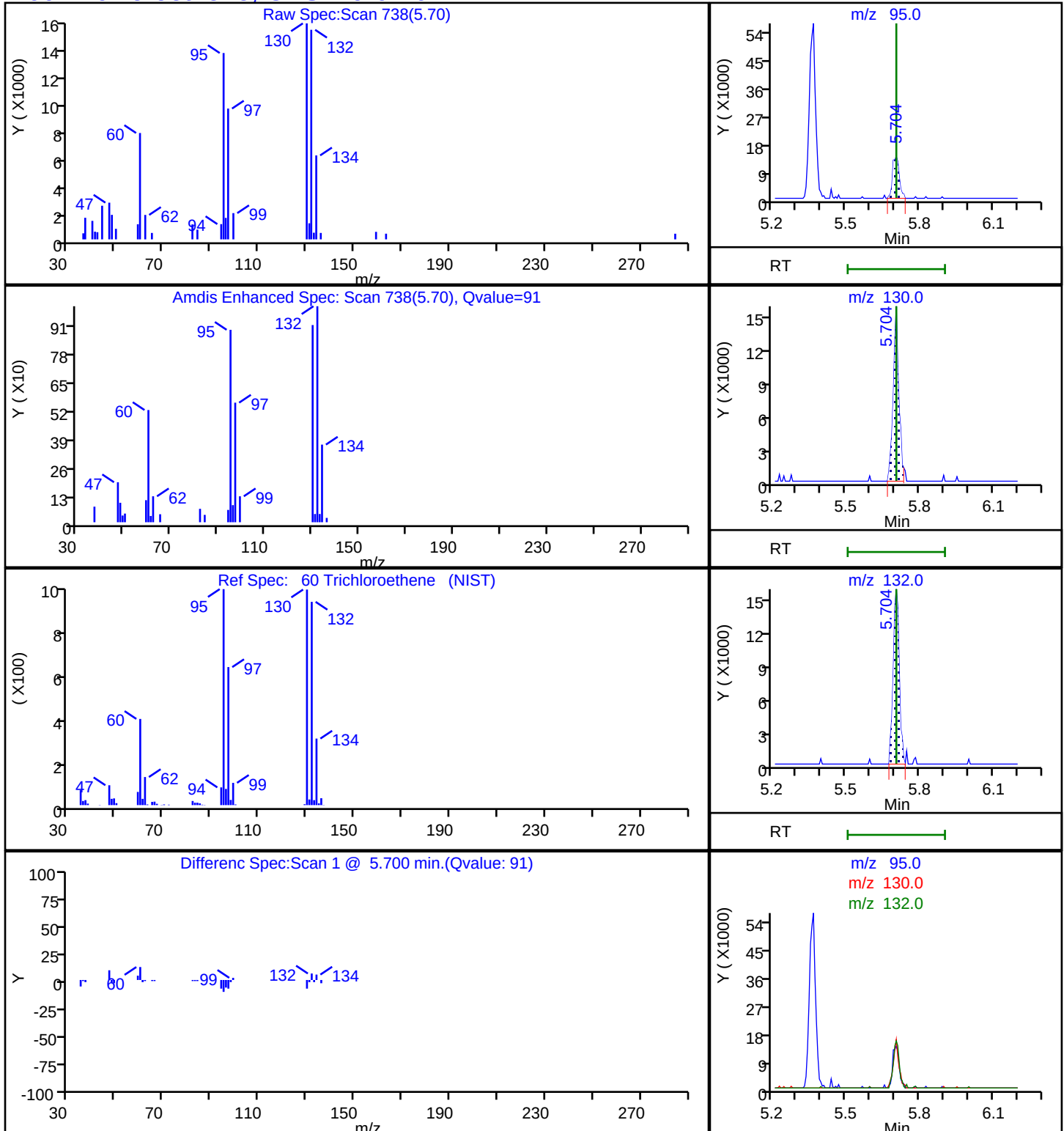
Dil. Factor: 20.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1480.D

Injection Date: 15-Jul-2018 11:54:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-3

Lab Sample ID: 480-138781-3

Client ID: DPE-8

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 10

Purge Vol: 5.000 mL

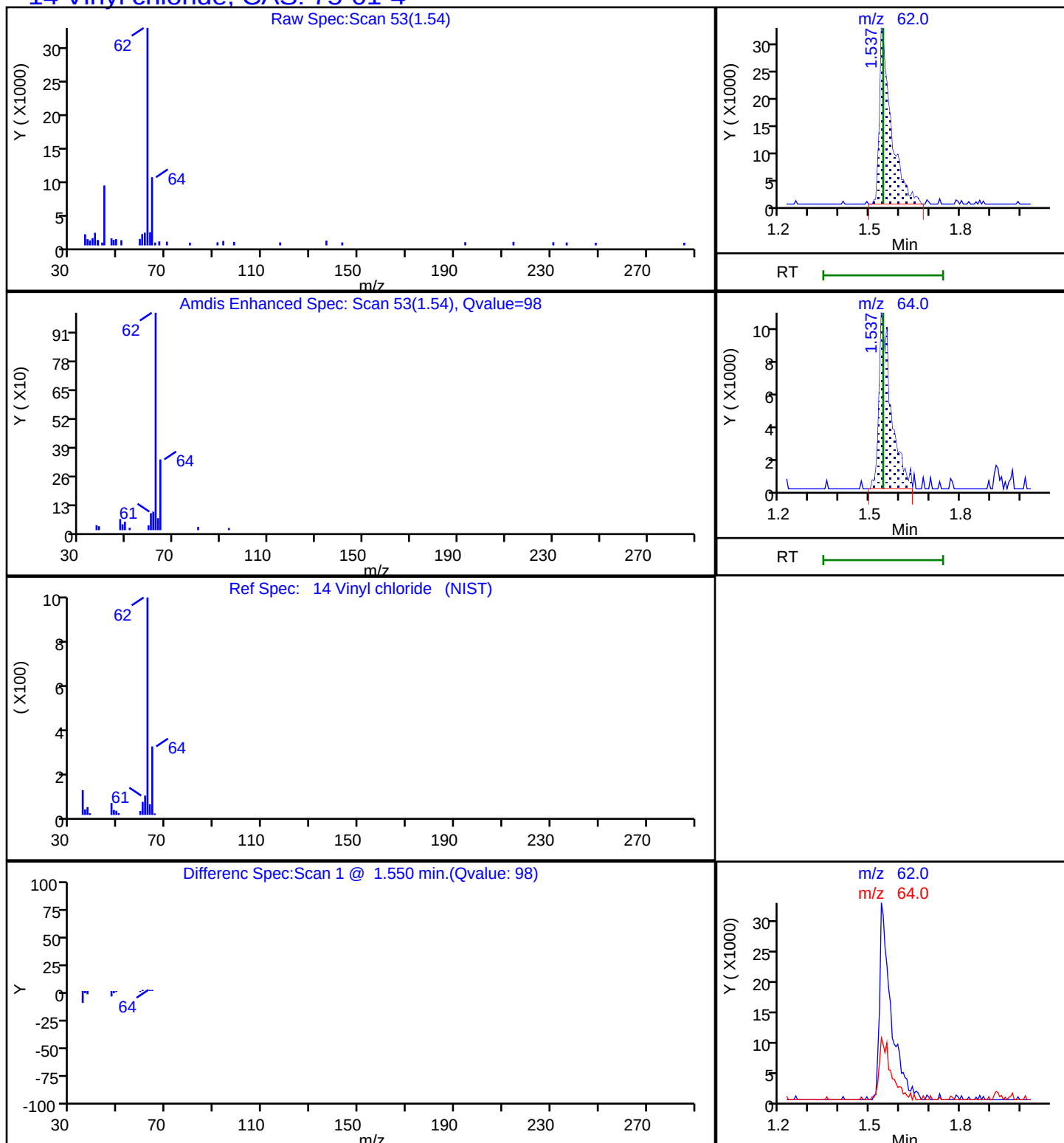
Dil. Factor: 20.0000

Method: N-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\HP5973N\20180715-73087.b\N1480.D

Injection Date: 15-Jul-2018 11:54:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-3

Lab Sample ID: 480-138781-3

Client ID: DPE-8

Operator ID: AM

ALS Bottle#:

2

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 20.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

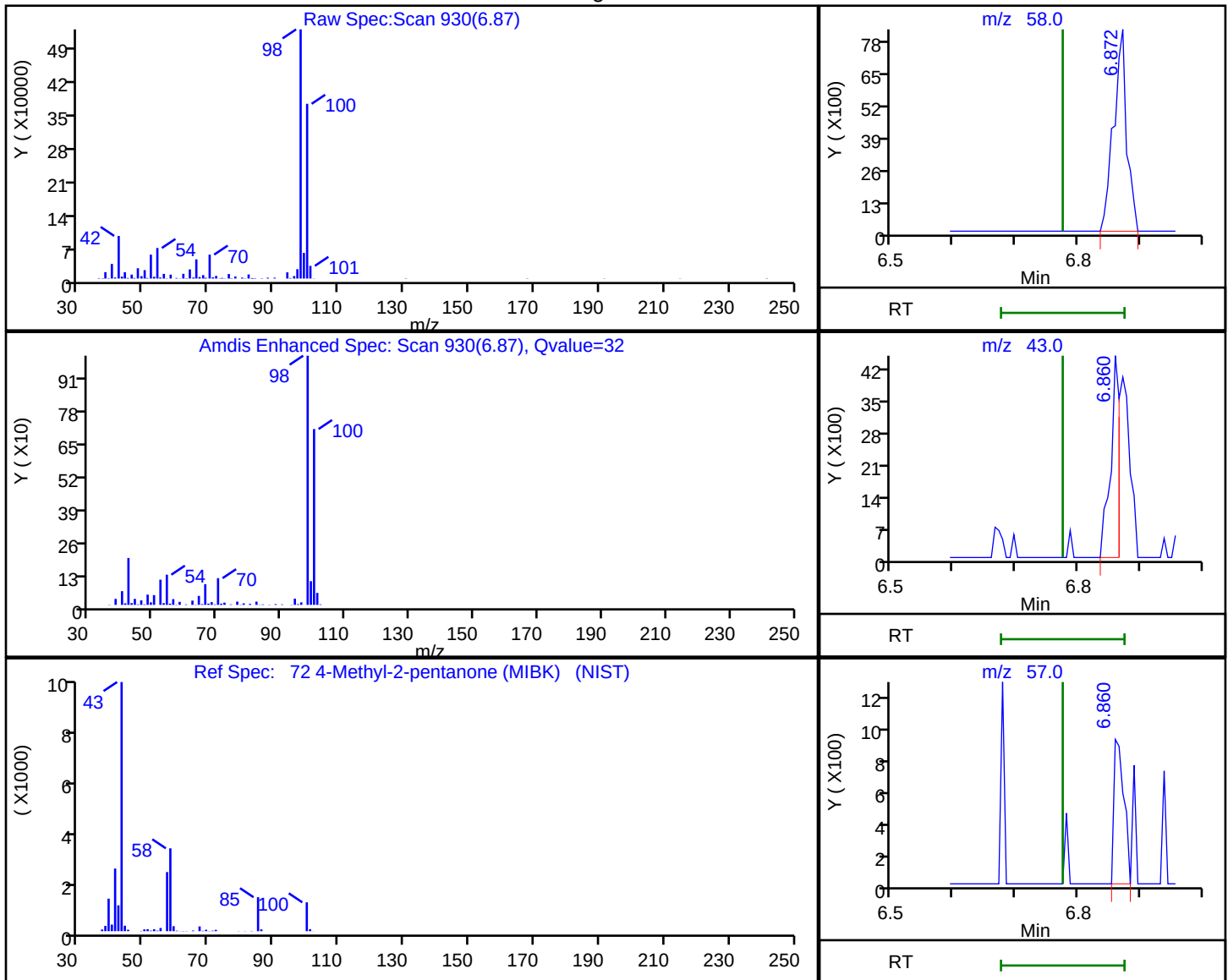
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.87	58.00	12122	1.835287
6.86	43.00	4486	
6.86	57.00	994	

Reviewer: moffata, 15-Jul-2018 12:38:36

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1480.D

Injection Date: 15-Jul-2018 11:54:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-3

Lab Sample ID: 480-138781-3

Client ID: DPE-8

Operator ID: AM

ALS Bottle#: 2 Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 20.0000

Method: N-8260

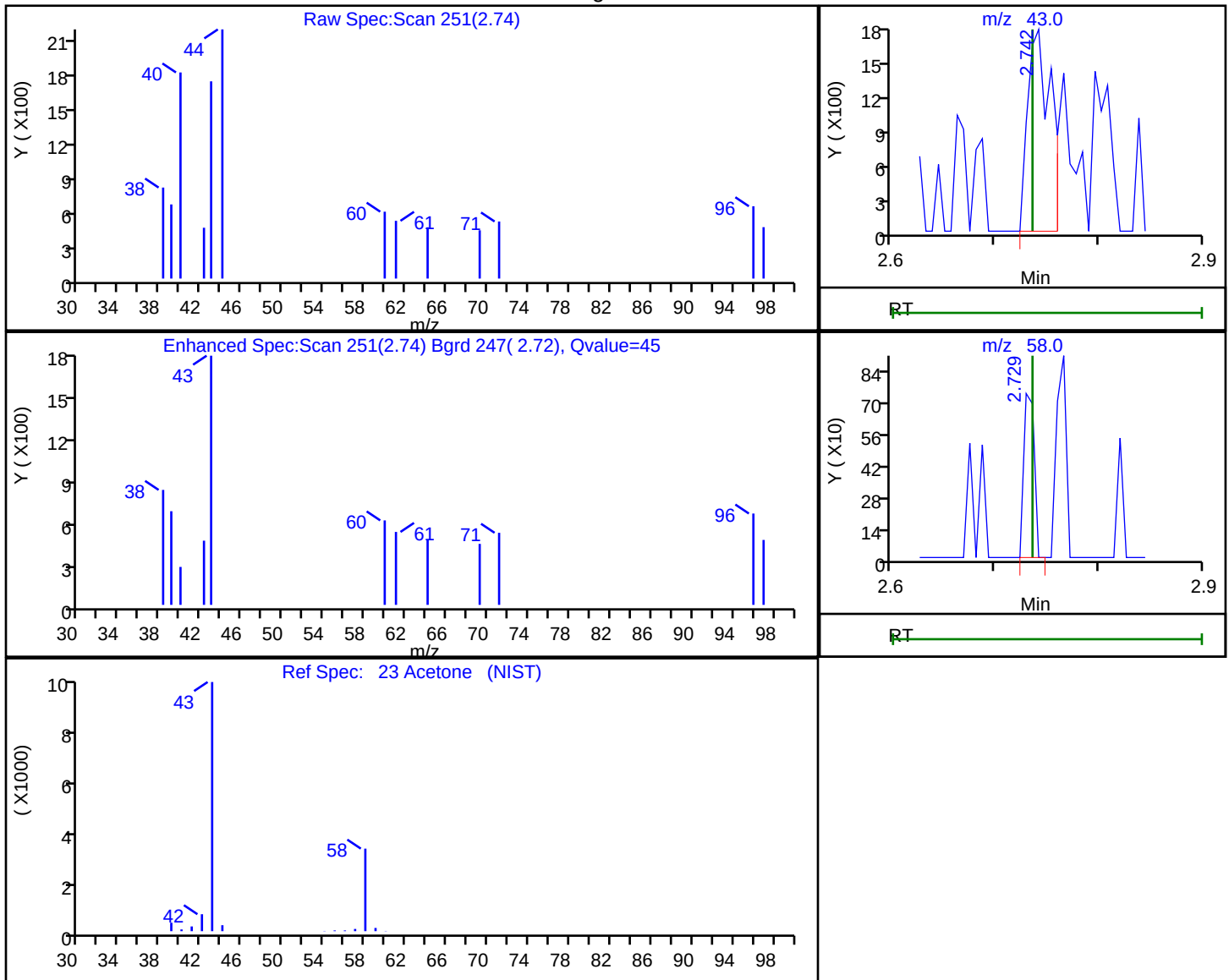
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.74	43.00	2677	0.656475
2.73	58.00	518	

Reviewer: moffata, 15-Jul-2018 12:38:44

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1480.D

Injection Date: 15-Jul-2018 11:54:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-3

Lab Sample ID: 480-138781-3

Client ID: DPE-8

Operator ID: AM

ALS Bottle#: 2 Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 20.0000

Method: N-8260

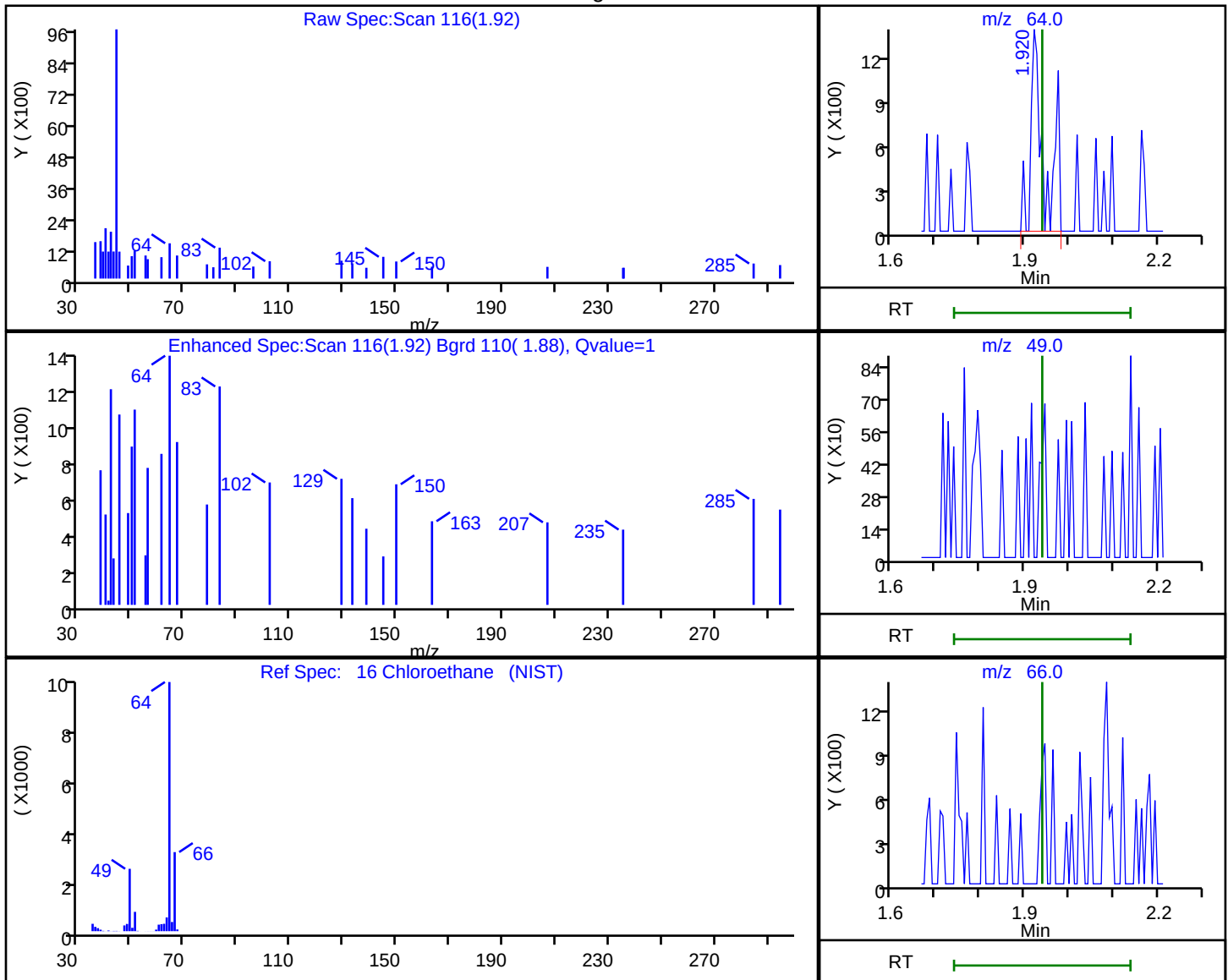
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.92	64.00	2770	0.387975
1.94	49.00	0	
1.94	66.00	0	

Reviewer: moffata, 15-Jul-2018 12:38:42

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>GWCT</u>	Lab Sample ID: <u>480-138781-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3685.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/12/2018 11:55</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/19/2018 03:05</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>425155</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	49		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.: 480-138781-1

SDG No.: _____

Client Sample ID: GWCT Lab Sample ID: 480-138781-4

Matrix: Water Lab File ID: S3685.D

Analysis Method: 8260C Date Collected: 07/12/2018 11:55

Sample wt/vol: 5 (mL) Date Analyzed: 07/19/2018 03:05

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 425155 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)	96		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3685.D
 Lims ID: 480-138781-C-4
 Client ID: GWCT
 Sample Type: Client
 Inject. Date: 19-Jul-2018 03:05:30 ALS Bottle#: 20 Worklist Smp#: 22
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138781-C-4
 Misc. Info.: 480-0073194-022
 Operator ID: NC Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 19-Jul-2018 10:19:55 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK034

First Level Reviewer: HillL

Date: 19-Jul-2018 10:19:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	123802	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	252423	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	96	227624	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	57	156185	26.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	98	92703	23.9	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	94	569652	23.2	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	89	185942	24.6	
10 Dichlorodifluoromethane	85		1.282				ND	
12 Chloromethane	50		1.470				ND	
13 Vinyl chloride	62	1.549	1.549	0.000	20	3824	0.4540	
14 Bromomethane	94		1.872				ND	
15 Chloroethane	64	1.975	1.975	0.000	99	251077	49.3	
17 Trichlorofluoromethane	101		2.194				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.699				ND	
22 1,1-Dichloroethene	96		2.723				ND	
23 Acetone	43		2.851				ND	
26 Carbon disulfide	76		2.918				ND	U
27 Methyl acetate	43		3.149				ND	
30 Methylene Chloride	84		3.253				ND	
32 Methyl tert-butyl ether	73		3.454				ND	
34 trans-1,2-Dichloroethene	96		3.472				ND	
39 1,1-Dichloroethane	63		3.898				ND	
45 cis-1,2-Dichloroethene	96		4.457				ND	
43 2-Butanone (MEK)	43		4.494				ND	
50 Chloroform	83		4.774				ND	
52 Cyclohexane	56		4.883				ND	
51 1,1,1-Trichloroethane	97		4.883				ND	
55 Carbon tetrachloride	117		5.017				ND	
57 Benzene	78		5.236				ND	
58 1,2-Dichloroethane	62		5.309				ND	
62 Trichloroethene	95		5.850				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.960				ND	
65 1,2-Dichloropropane	63		6.094				ND	
68 Dichlorobromomethane	83		6.386				ND	
72 cis-1,3-Dichloropropene	75		6.806				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.952				ND	
74 Toluene	92		7.085				ND	
77 trans-1,3-Dichloropropene	75		7.371				ND	
79 1,1,2-Trichloroethane	83		7.566				ND	
81 Tetrachloroethene	166		7.615				ND	
80 2-Hexanone	43		7.791				ND	
83 Chlorodibromomethane	129		7.961				ND	
84 Ethylene Dibromide	107		8.065				ND	
87 Chlorobenzene	112		8.539				ND	
88 Ethylbenzene	91	8.631	8.631	0.000	15	4806	0.1589	
90 m-Xylene & p-Xylene	106		8.746				ND	
91 o-Xylene	106	9.178	9.178	0.000	1	2187	0.1873	
92 Styrene	104		9.209				ND	
95 Bromoform	173		9.464				ND	
94 Isopropylbenzene	105		9.561				ND	
97 1,1,2,2-Tetrachloroethane	83		9.969				ND	
111 1,3-Dichlorobenzene	146		10.821				ND	
113 1,4-Dichlorobenzene	146		10.912				ND	
116 1,2-Dichlorobenzene	146		11.265				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995				ND	
119 1,2,4-Trichlorobenzene	180		12.664				ND	
S 124 Xylenes, Total	1				0		0.1873	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3685.D

Injection Date: 19-Jul-2018 03:05:30

Instrument ID: HP5973S

Operator ID: NC

Lims ID: 480-138781-C-4

Lab Sample ID: 480-138781-4

Worklist Smp#: 22

Client ID: GWCT

Purge Vol: 5.000 mL

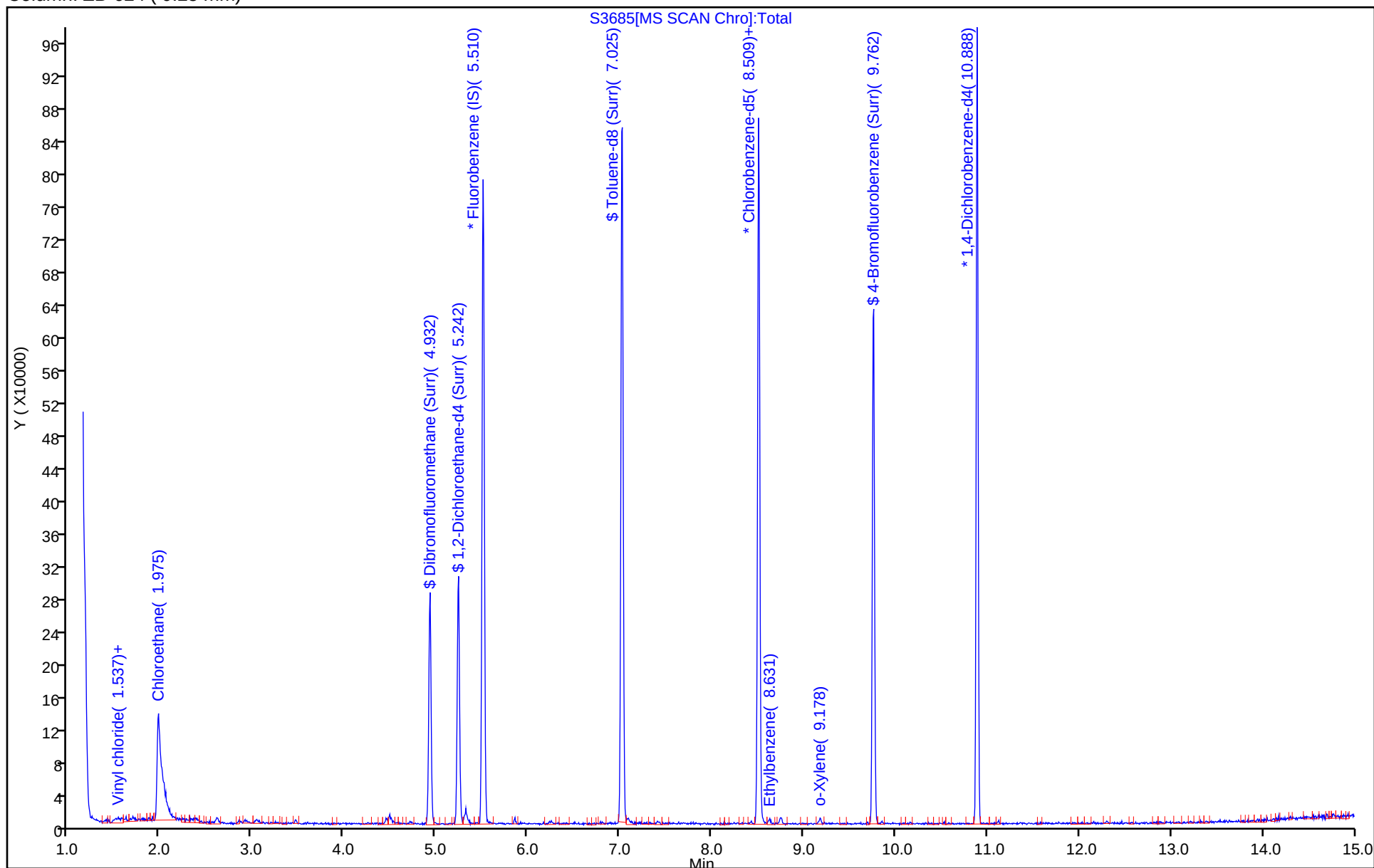
Dil. Factor: 1.0000

ALS Bottle#: 20

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3685.D

Injection Date: 19-Jul-2018 03:05:30

Instrument ID: HP5973S

Lims ID: 480-138781-C-4

Lab Sample ID: 480-138781-4

Client ID: GWCT

Operator ID: NC

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 5.000 mL

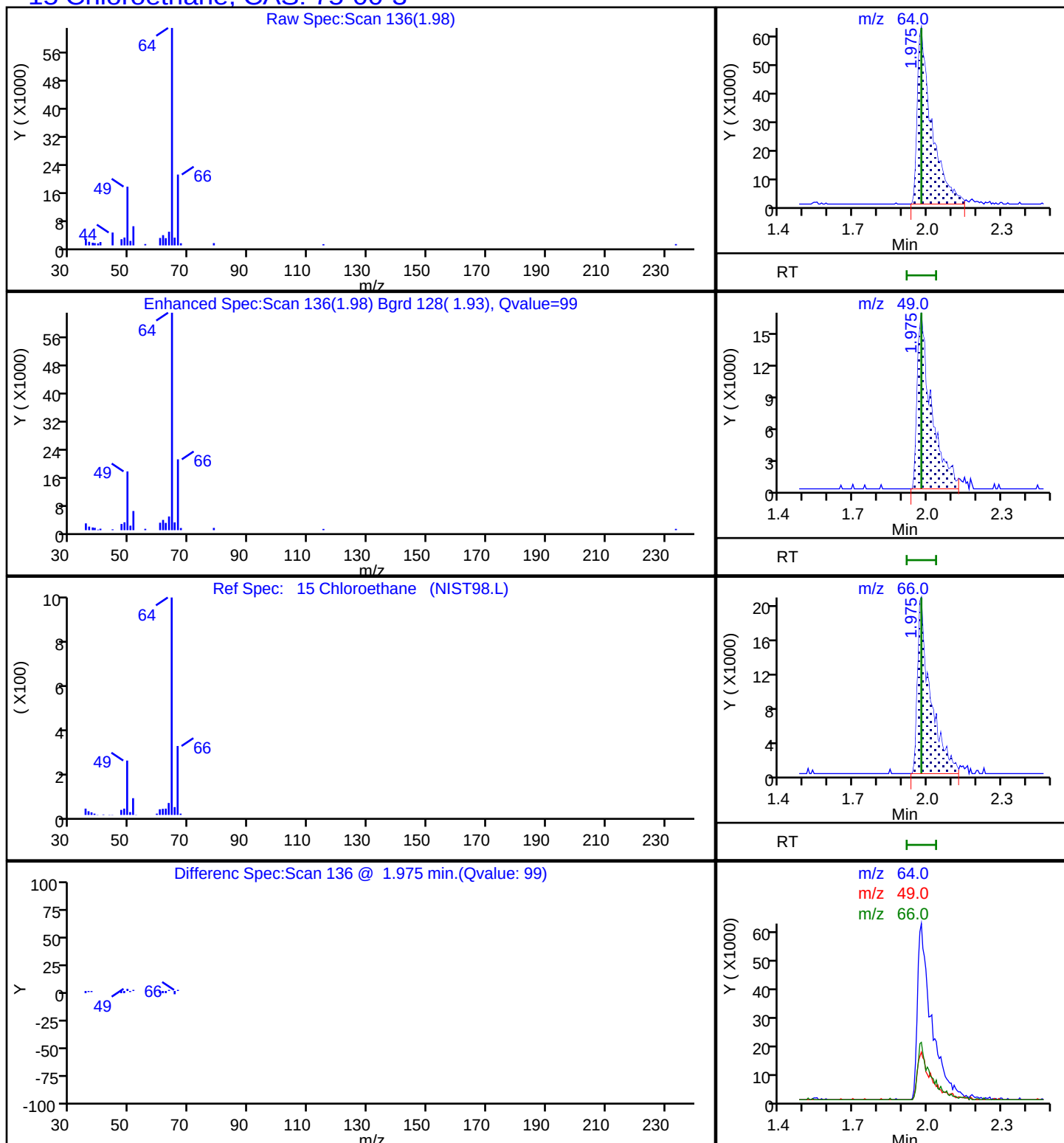
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

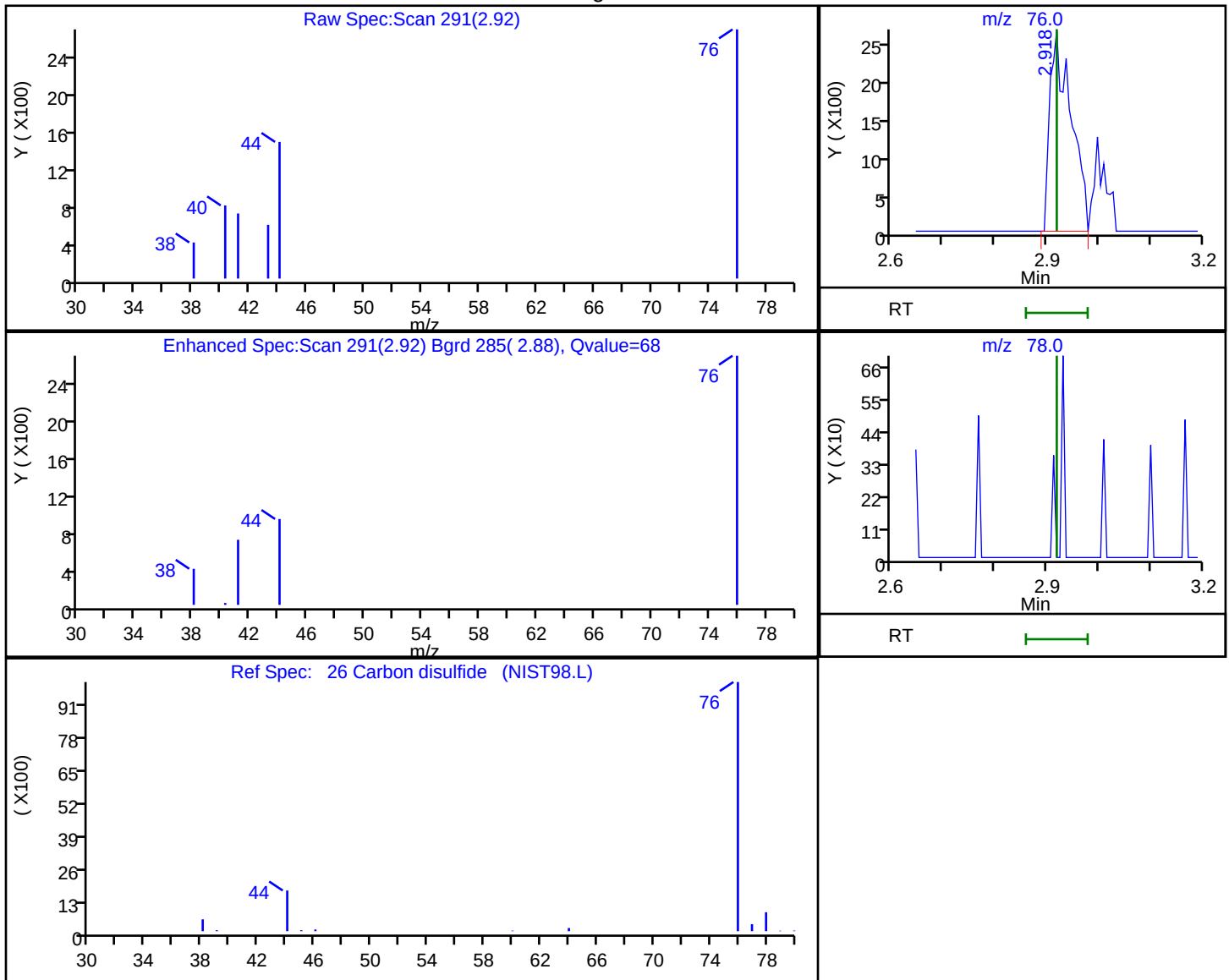
15 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3685.D
Injection Date: 19-Jul-2018 03:05:30 Instrument ID: HP5973S
Lims ID: 480-138781-C-4 Lab Sample ID: 480-138781-4
Client ID: GWCT
Operator ID: NC ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.92	76.00	7545	0.432790
2.92	78.00	0	

Reviewer: HillL, 19-Jul-2018 10:19:43

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>Trip-0712-18</u>	Lab Sample ID: <u>480-138781-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>N1545.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/12/2018 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/17/2018 04:58</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>424720</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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: Trip-0712-18 Lab Sample ID: 480-138781-5
 Matrix: Water Lab File ID: N1545.D
 Analysis Method: 8260C Date Collected: 07/12/2018 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 07/17/2018 04:58
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 424720 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)	111		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
2037-26-5	Toluene-d8 (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N1545.D
 Lims ID: 480-138781-A-5
 Client ID: Trip-0712-18
 Sample Type: Client
 Inject. Date: 17-Jul-2018 04:58:30 ALS Bottle#: 20 Worklist Smp#: 22
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138781-A-5
 Misc. Info.: 480-0073127-022
 Operator ID: AEM Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jul-2018 12:17:57 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: moffata

Date: 17-Jul-2018 12:17:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.357	5.358	-0.001	97	195097	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.345	-0.007	89	746969	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.742	-0.001	96	380659	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.768	-0.001	93	292636	26.2	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	384602	27.7	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	953162	24.2	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.598	0.000	93	323874	26.3	
11 Dichlorodifluoromethane	85		1.300				ND	
13 Chloromethane	50		1.470				ND	
14 Vinyl chloride	62		1.549				ND	
15 Bromomethane	94		1.860				ND	
16 Chloroethane	64		1.939				ND	
18 Trichlorofluoromethane	101		2.152				ND	
22 1,1-Dichloroethene	96		2.638				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.650				ND	
23 Acetone	43		2.736				ND	U
25 Carbon disulfide	76		2.833				ND	
28 Methyl acetate	43		3.034				ND	
30 Methylene Chloride	84		3.125				ND	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96		3.362				ND	
36 1,1-Dichloroethane	63		3.764				ND	
43 cis-1,2-Dichloroethene	96		4.305				ND	
44 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.768				ND	
53 Carbon tetrachloride	117		4.889				ND	
55 Benzene	78		5.096				ND	
57 1,2-Dichloroethane	62		5.145				ND	
60 Trichloroethene	95		5.704				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.838				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.635				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	U
73 Toluene	92		6.933				ND	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.469				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.779				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.275				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.787				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.113				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N1545.D

Injection Date: 17-Jul-2018 04:58:30

Instrument ID: HP5973N

Operator ID: AEM

Lims ID: 480-138781-A-5

Lab Sample ID: 480-138781-5

Worklist Smp#: 22

Client ID: Trip-0712-18

Purge Vol: 5.000 mL

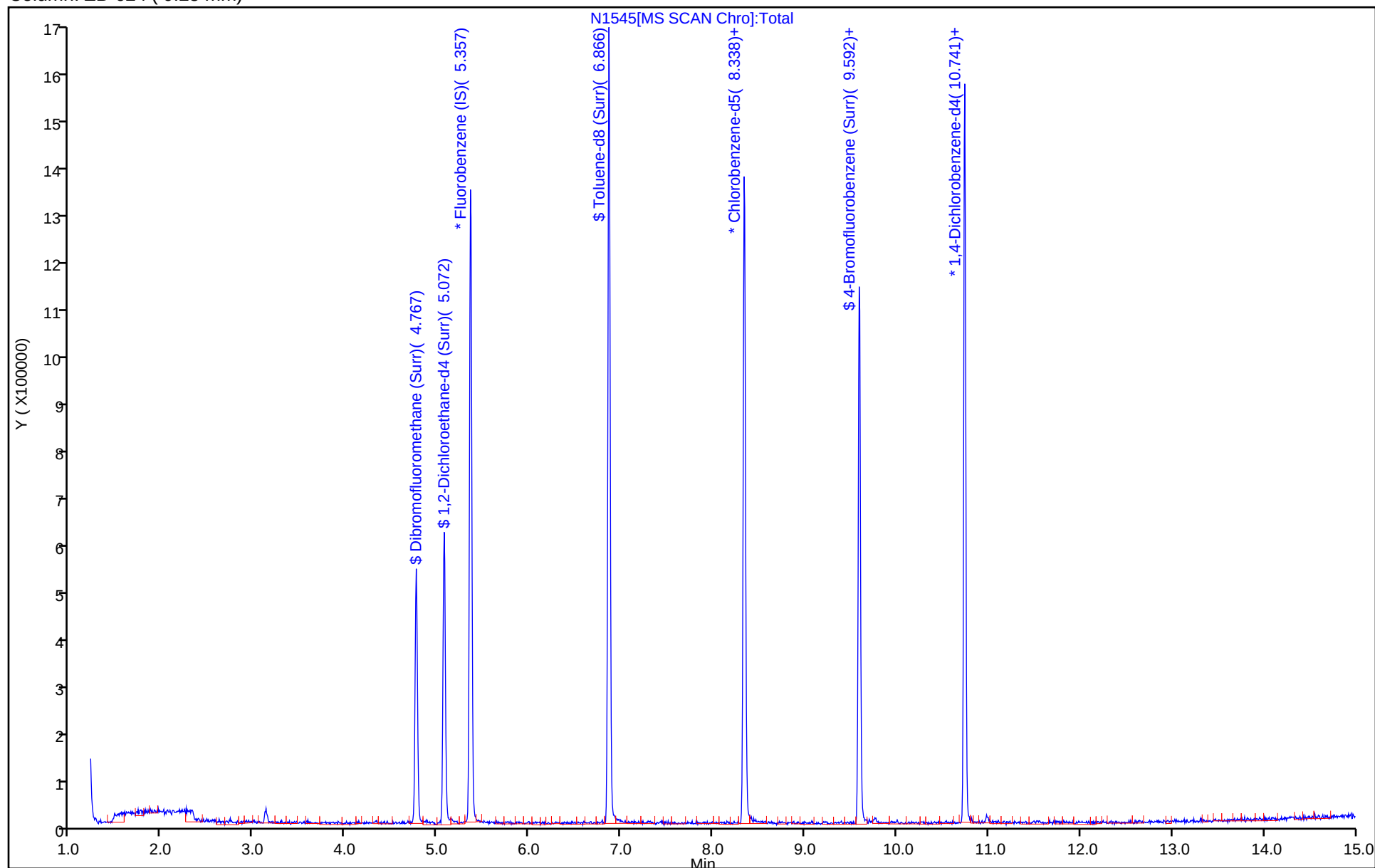
Dil. Factor: 1.0000

ALS Bottle#: 20

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N1545.D

Injection Date: 17-Jul-2018 04:58:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-5

Lab Sample ID: 480-138781-5

Client ID: Trip-0712-18

Operator ID: AEM

ALS Bottle#:

20

Worklist Smp#: 22

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

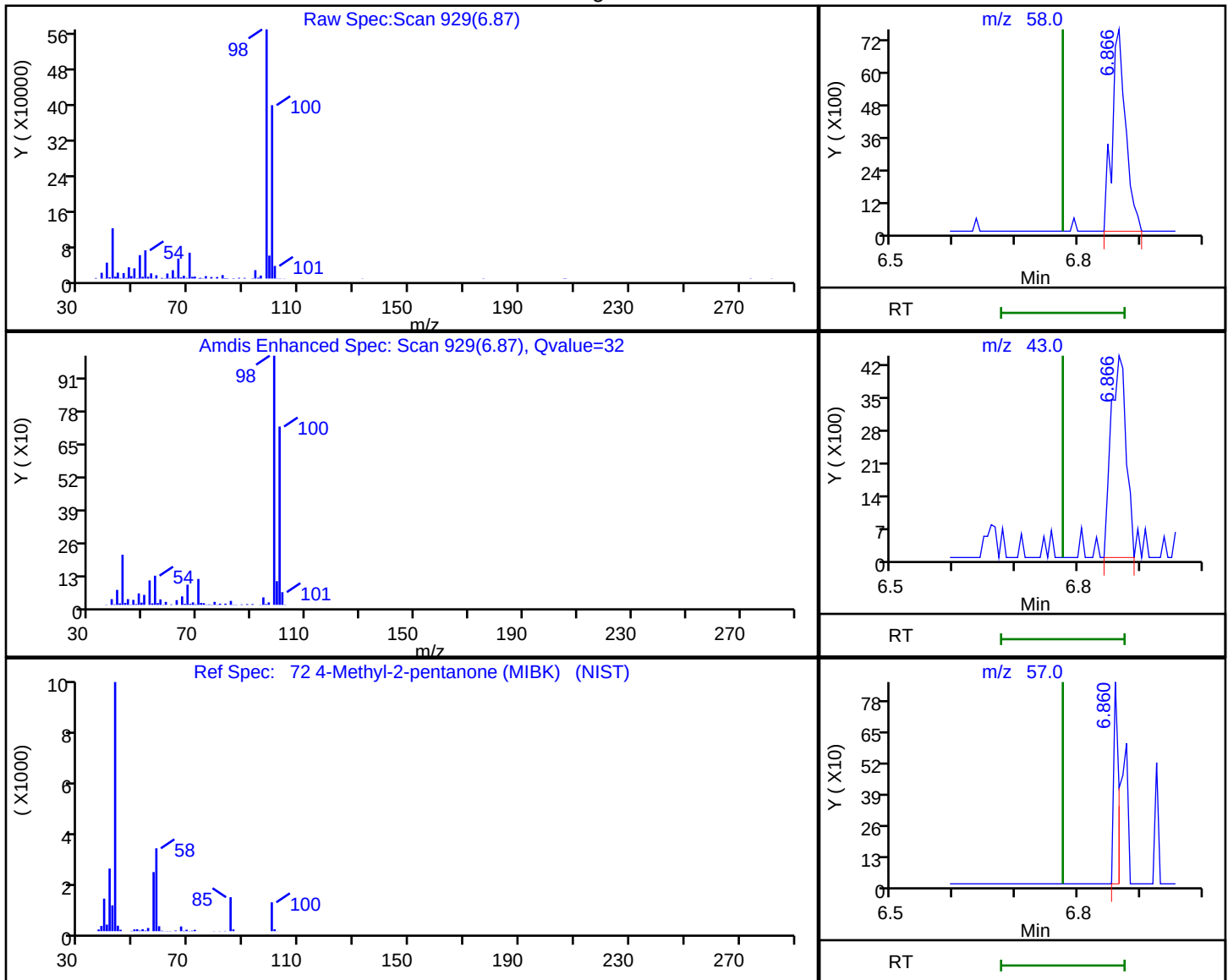
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.87	58.00	11452	1.918695
6.87	43.00	7404	
6.86	57.00	462	

Reviewer: moffata, 17-Jul-2018 12:17:50

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N1545.D

Injection Date: 17-Jul-2018 04:58:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-5

Lab Sample ID: 480-138781-5

Client ID: Trip-0712-18

Operator ID: AEM

ALS Bottle#: 20 Worklist Smp#: 22

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

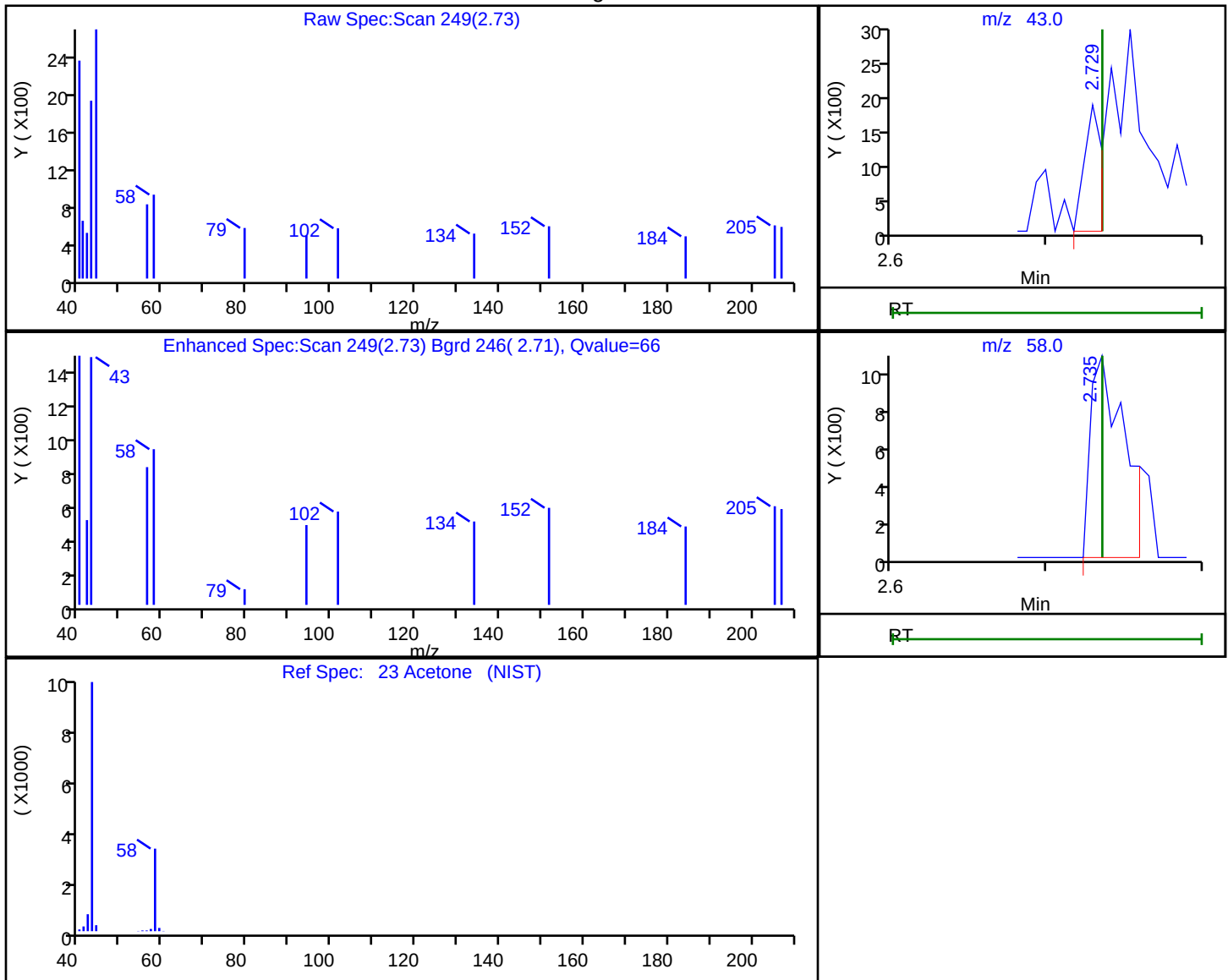
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.73	43.00	1456	0.372141
2.74	58.00	1553	

Reviewer: moffata, 17-Jul-2018 12:17:41

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: DPE-1 Lab Sample ID: 480-138781-6

Matrix: Water Lab File ID: N1546.D

Analysis Method: 8260C Date Collected: 07/12/2018 12:15

Sample wt/vol: 5 (mL) Date Analyzed: 07/17/2018 05:26

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.: 424720 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	59	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	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
75-00-3	Chloroethane	ND	*	10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND	*	10	3.5
156-59-2	cis-1,2-Dichloroethene	ND		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
124-48-1	Dibromochloromethane	ND		10	3.2
75-71-8	Dichlorodifluoromethane	ND		10	6.8
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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: DPE-1 Lab Sample ID: 480-138781-6
 Matrix: Water Lab File ID: N1546.D
 Analysis Method: 8260C Date Collected: 07/12/2018 12:15
 Sample wt/vol: 5 (mL) Date Analyzed: 07/17/2018 05:26
 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.: 424720 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)	114		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N1546.D
 Lims ID: 480-138781-B-6
 Client ID: DPE-1
 Sample Type: Client
 Inject. Date: 17-Jul-2018 05:26:30 ALS Bottle#: 21 Worklist Smp#: 23
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-138781-B-6
 Misc. Info.: 480-0073127-023
 Operator ID: AEM Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jul-2018 12:18:25 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: moffata

Date: 17-Jul-2018 12:18:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	193947	25.0	
* 2 Chlorobenzene-d5	117	8.345	8.345	0.000	89	801103	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	96	400540	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.768	4.768	0.000	93	291597	26.3	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	392347	28.4	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	1000154	23.7	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.598	0.000	95	333454	25.3	
11 Dichlorodifluoromethane	85		1.300				ND	
13 Chloromethane	50		1.470				ND	
14 Vinyl chloride	62		1.549				ND	
15 Bromomethane	94		1.860				ND	
16 Chloroethane	64		1.939				ND	U
18 Trichlorofluoromethane	101		2.152				ND	
22 1,1-Dichloroethene	96		2.638				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.650				ND	
23 Acetone	43	2.742	2.736	0.006	97	22801	5.86	
25 Carbon disulfide	76		2.833				ND	
28 Methyl acetate	43		3.034				ND	
30 Methylene Chloride	84	3.131	3.125	0.006	91	10405	0.0116	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96		3.362				ND	
36 1,1-Dichloroethane	63	3.758	3.764	-0.006	10	6517	0.2908	
43 cis-1,2-Dichloroethene	96	4.311	4.305	0.006	19	2991	0.2288	
44 2-Butanone (MEK)	43		4.336				ND	U
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.768				ND	
53 Carbon tetrachloride	117		4.889				ND	
55 Benzene	78		5.096				ND	
57 1,2-Dichloroethane	62		5.145				ND	
60 Trichloroethene	95		5.704				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.838				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.635				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	U
73 Toluene	92		6.933				ND	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.469				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.779				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.275				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.787				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.113				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N1546.D

Injection Date: 17-Jul-2018 05:26:30

Instrument ID: HP5973N

Operator ID: AEM

Lims ID: 480-138781-B-6

Lab Sample ID: 480-138781-6

Worklist Smp#: 23

Client ID: DPE-1

Purge Vol: 5.000 mL

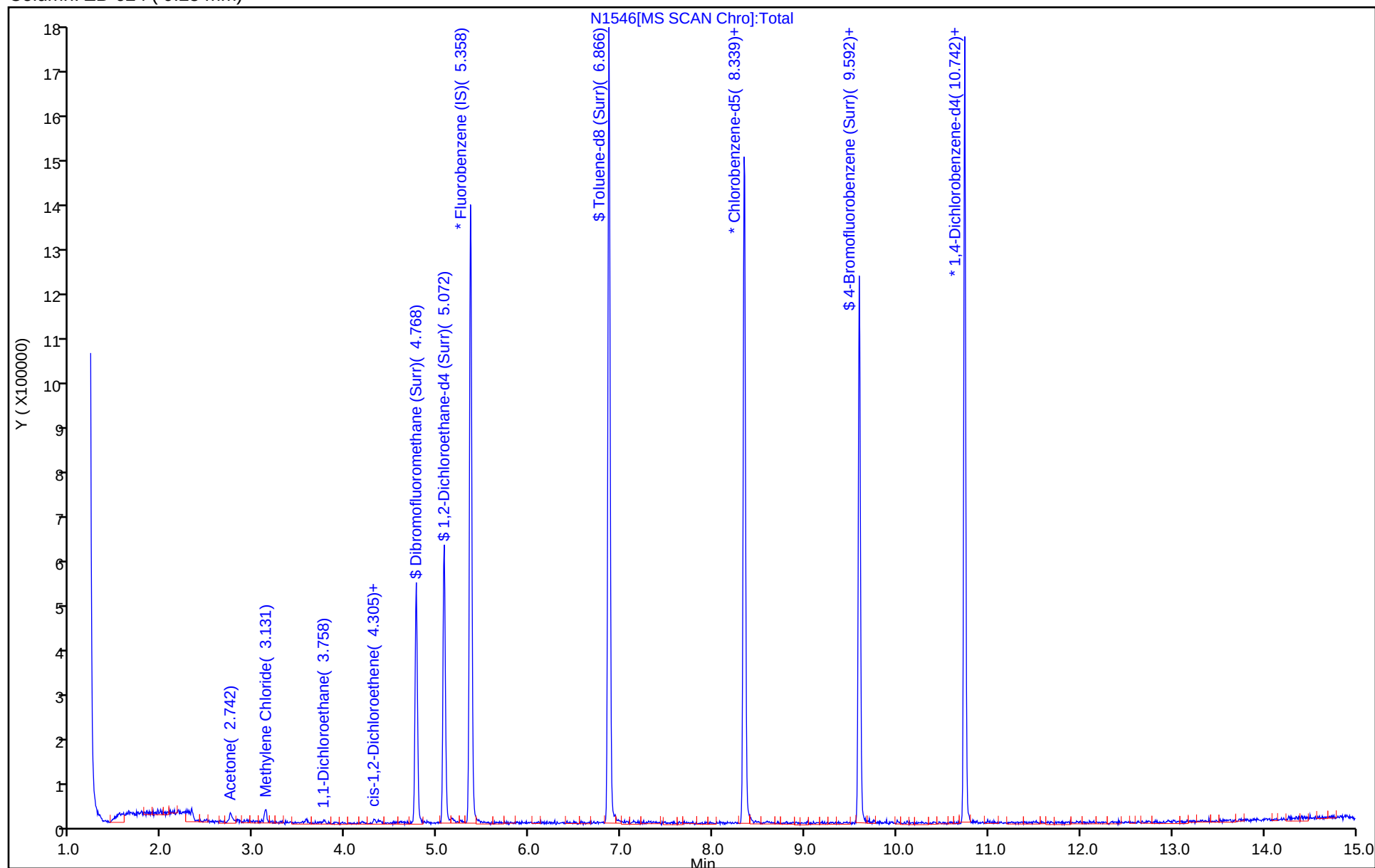
Dil. Factor: 10.0000

ALS Bottle#: 21

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N1546.D

Injection Date: 17-Jul-2018 05:26:30

Instrument ID: HP5973N

Lims ID: 480-138781-B-6

Lab Sample ID: 480-138781-6

Client ID: DPE-1

Operator ID: AEM

ALS Bottle#: 21

Worklist Smp#: 23

Purge Vol: 5.000 mL

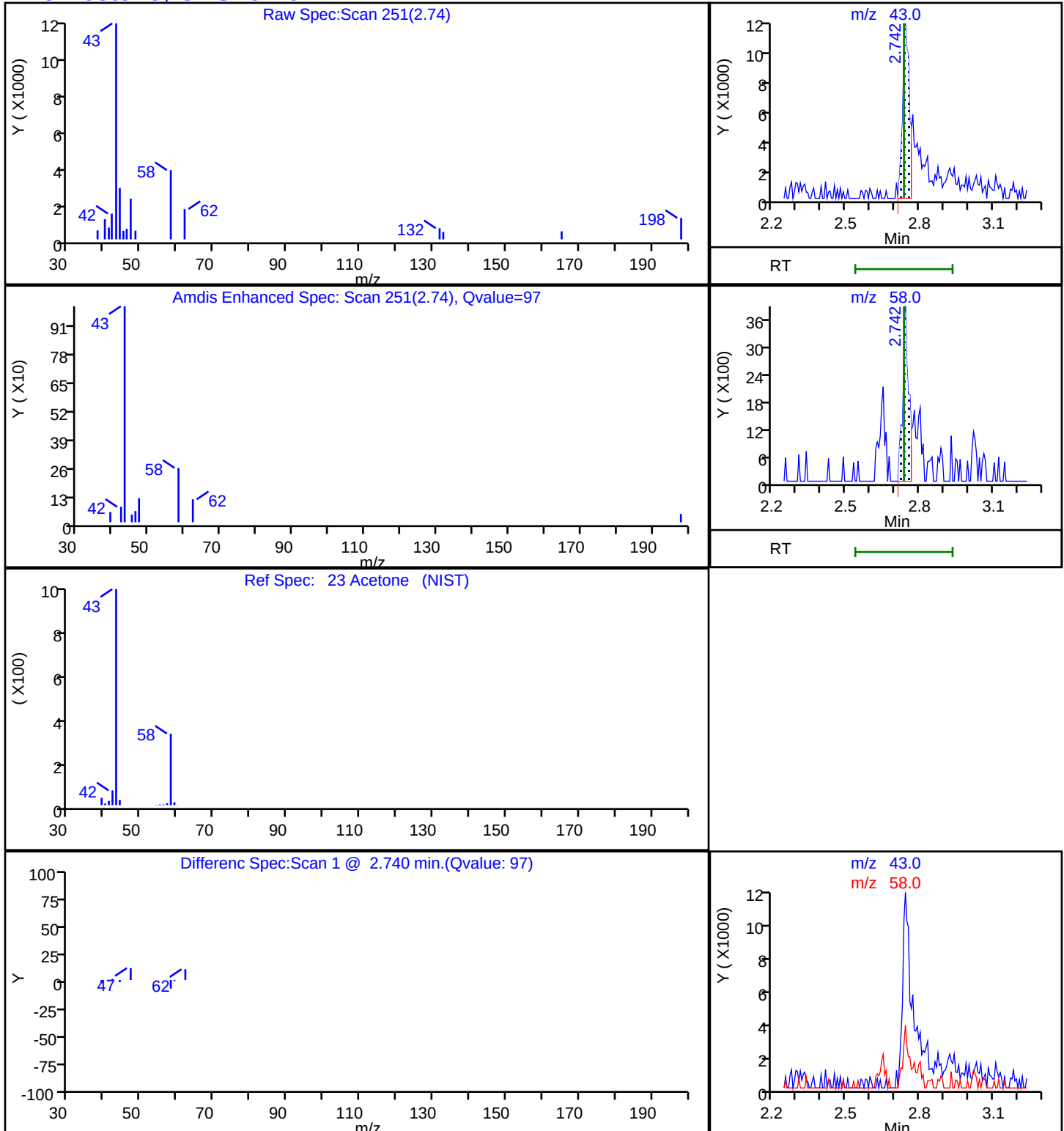
Dil. Factor: 10.0000

Method: N-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\HP5973N\20180716-73127.b\N1546.D

Injection Date: 17-Jul-2018 05:26:30

Instrument ID: HP5973N

Lims ID: 480-138781-B-6

Lab Sample ID: 480-138781-6

Client ID: DPE-1

Operator ID: AEM

ALS Bottle#: 21 Worklist Smp#: 23

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

Method: N-8260

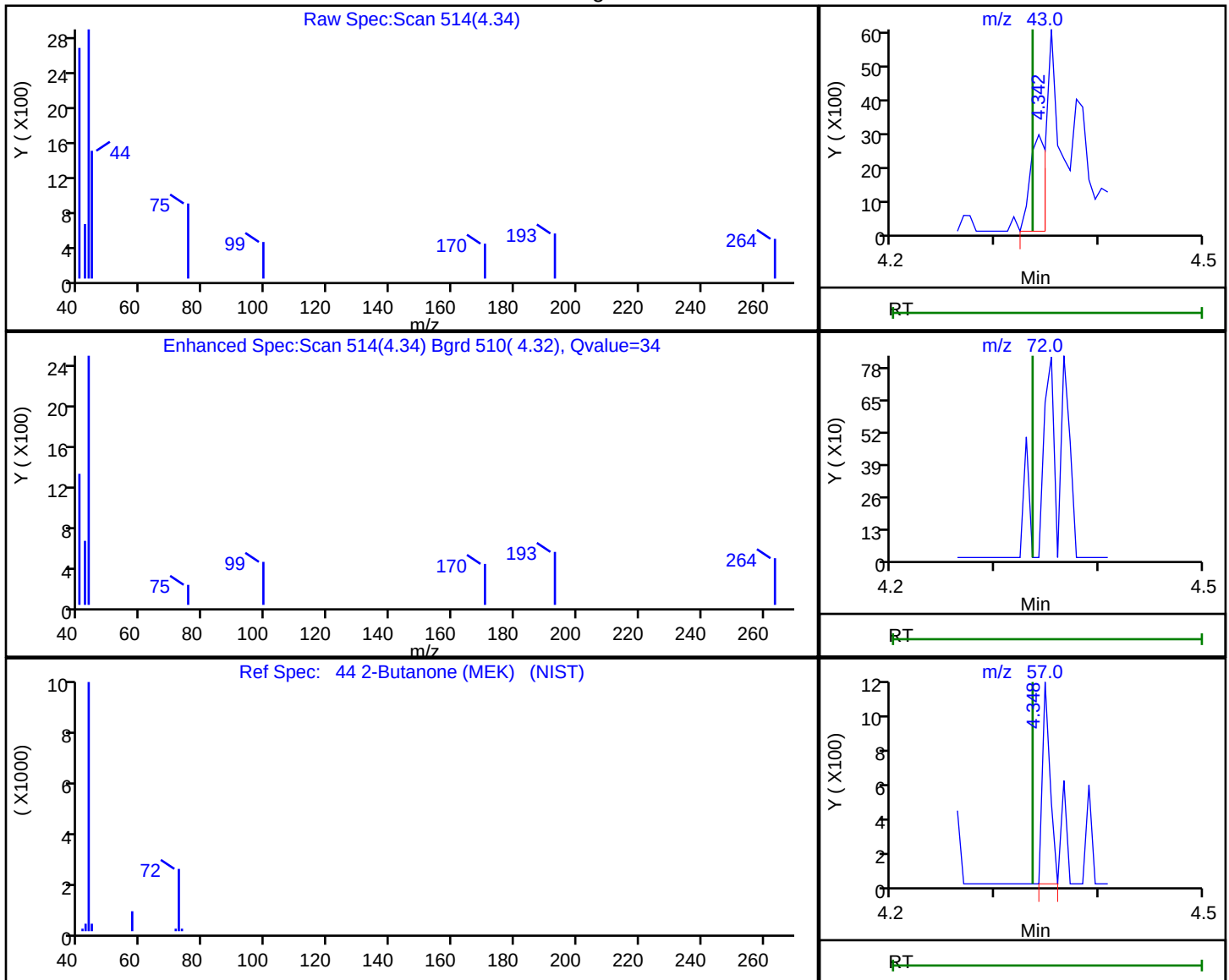
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
4.34	43.00	3085	0.432709
4.35	57.00	594	
4.34	72.00	0	

Reviewer: moffata, 17-Jul-2018 12:18:12

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N1546.D

Injection Date: 17-Jul-2018 05:26:30

Instrument ID: HP5973N

Lims ID: 480-138781-B-6

Lab Sample ID: 480-138781-6

Client ID: DPE-1

Operator ID: AEM

ALS Bottle#:

21

Worklist Smp#: 23

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

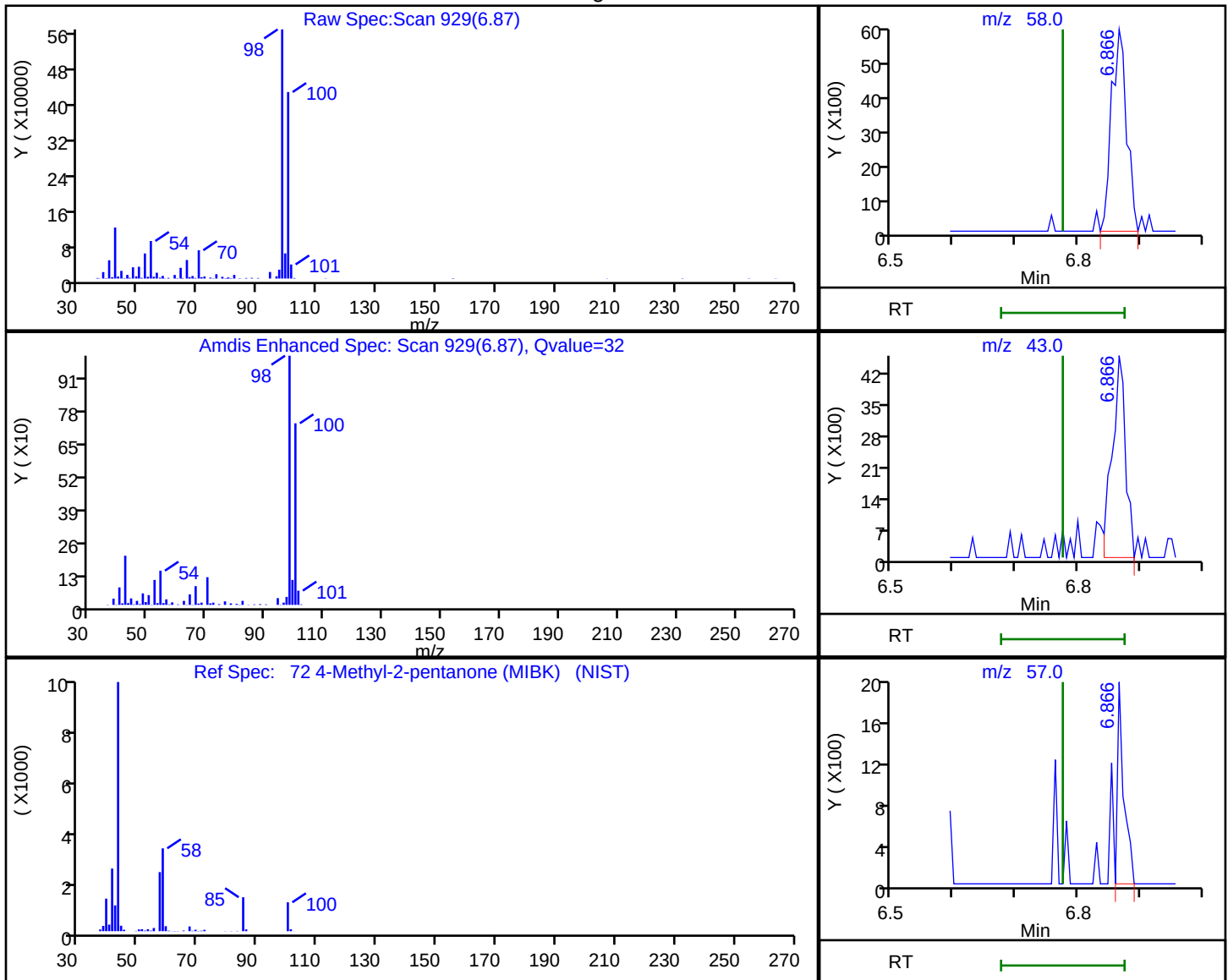
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.87	58.00	10079	1.574550
6.87	43.00	6804	
6.87	57.00	1389	

Reviewer: moffata, 17-Jul-2018 12:18:18

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N1546.D

Injection Date: 17-Jul-2018 05:26:30

Instrument ID: HP5973N

Lims ID: 480-138781-B-6

Lab Sample ID: 480-138781-6

Client ID: DPE-1

Operator ID: AEM

ALS Bottle#: 21 Worklist Smp#: 23

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

Method: N-8260

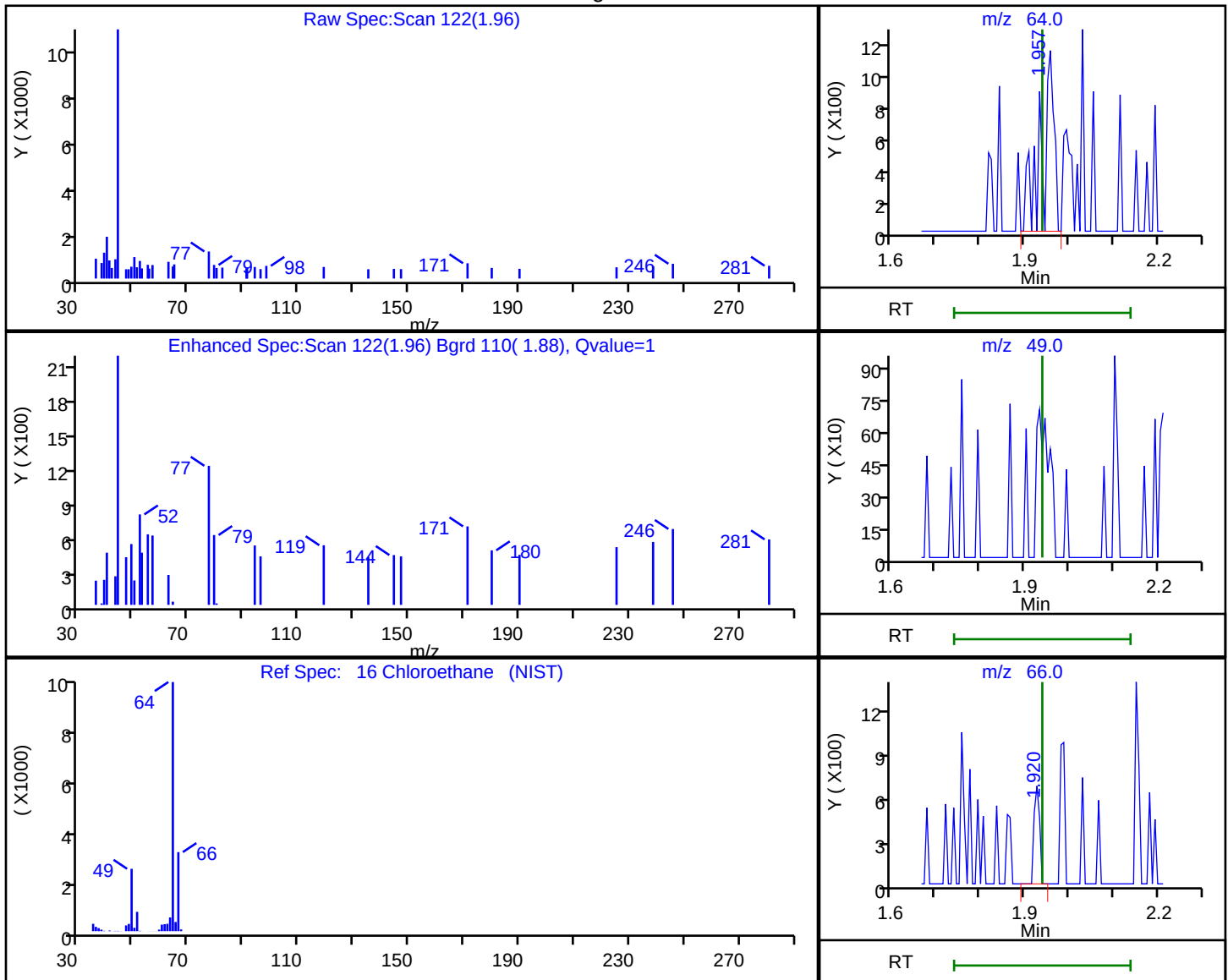
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.96	64.00	2239	0.328793
1.92	66.00	566	
1.94	49.00	0	

Reviewer: moffata, 17-Jul-2018 12:18:05

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>DPE-2</u>	Lab Sample ID: <u>480-138781-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>N1506.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/12/2018 12:40</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/16/2018 10:53</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>424528</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	0.49	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	2.7		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.: 480-138781-1

SDG No.: _____

Client Sample ID: DPE-2 Lab Sample ID: 480-138781-7

Matrix: Water Lab File ID: N1506.D

Analysis Method: 8260C Date Collected: 07/12/2018 12:40

Sample wt/vol: 5 (mL) Date Analyzed: 07/16/2018 10:53

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.: 424528 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	9.9		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N1506.D
 Lims ID: 480-138781-B-7
 Client ID: DPE-2
 Sample Type: Client
 Inject. Date: 16-Jul-2018 10:53:30 ALS Bottle#: 1 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138781-B-7
 Misc. Info.: 480-0073094-009
 Operator ID: AM Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jul-2018 17:31:01 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK007

First Level Reviewer: milligana

Date: 16-Jul-2018 17:31:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	203005	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.339	0.000	88	863010	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	96	418586	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.768	-0.001	92	305967	26.4	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	422509	29.2	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	1043239	22.9	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.592	0.006	95	360659	25.4	
11 Dichlorodifluoromethane	85		1.294				ND	
13 Chloromethane	50		1.476				ND	
14 Vinyl chloride	62	1.543	1.543	0.000	97	139469	9.87	
15 Bromomethane	94		1.841				ND	
16 Chloroethane	64	1.945	1.933	0.012	68	19454	2.73	
18 Trichlorofluoromethane	101		2.145				ND	
22 1,1-Dichloroethene	96		2.638				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43	2.742	2.736	0.006	90	5637	1.38	
25 Carbon disulfide	76	2.827	2.833	-0.006	41	4934	0.1513	
28 Methyl acetate	43		3.034				ND	
30 Methylene Chloride	84		3.125				ND	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96		3.362				ND	
36 1,1-Dichloroethane	63	3.764	3.764	0.000	93	11571	0.4933	
43 cis-1,2-Dichloroethene	96	4.305	4.305	0.000	85	15240	1.11	
44 2-Butanone (MEK)	43		4.336				ND	U
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.768				ND	
53 Carbon tetrachloride	117		4.889				ND	
55 Benzene	78		5.090				ND	Ua
57 1,2-Dichloroethane	62		5.145				ND	
60 Trichloroethene	95		5.704				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.838				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	U
73 Toluene	92		6.933				ND	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.469				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.779				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.269				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.780				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.113				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N1506.D

Injection Date: 16-Jul-2018 10:53:30

Instrument ID: HP5973N

Operator ID: AM

Lims ID: 480-138781-B-7

Lab Sample ID: 480-138781-7

Worklist Smp#: 9

Client ID: DPE-2

Purge Vol: 5.000 mL

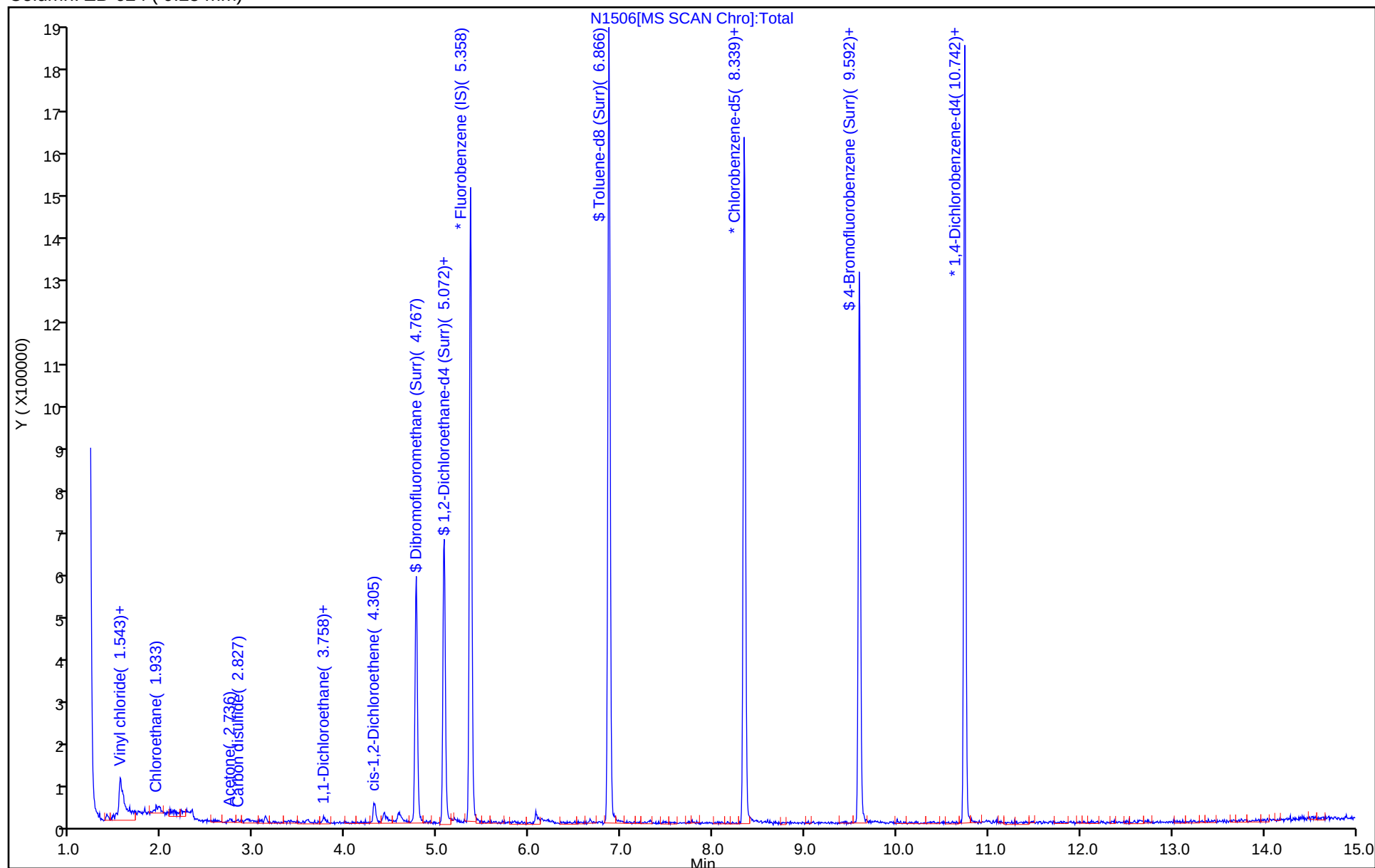
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N1506.D

Injection Date: 16-Jul-2018 10:53:30

Instrument ID: HP5973N

Lims ID: 480-138781-B-7

Lab Sample ID: 480-138781-7

Client ID: DPE-2

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 9

Purge Vol: 5.000 mL

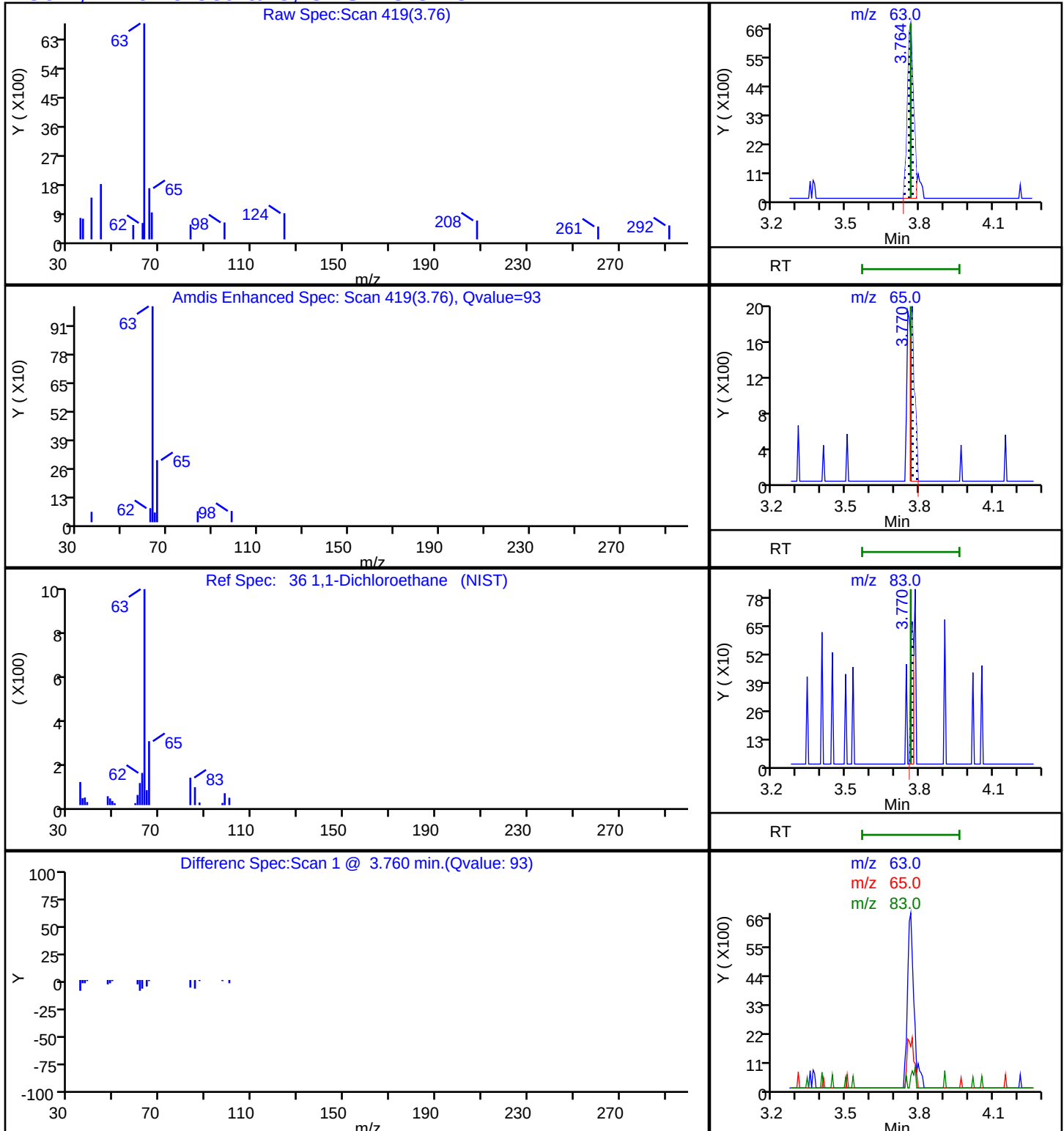
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180716-73094.b\N1506.D

Injection Date: 16-Jul-2018 10:53:30

Instrument ID: HP5973N

Lims ID: 480-138781-B-7

Lab Sample ID: 480-138781-7

Client ID: DPE-2

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 9

Purge Vol: 5.000 mL

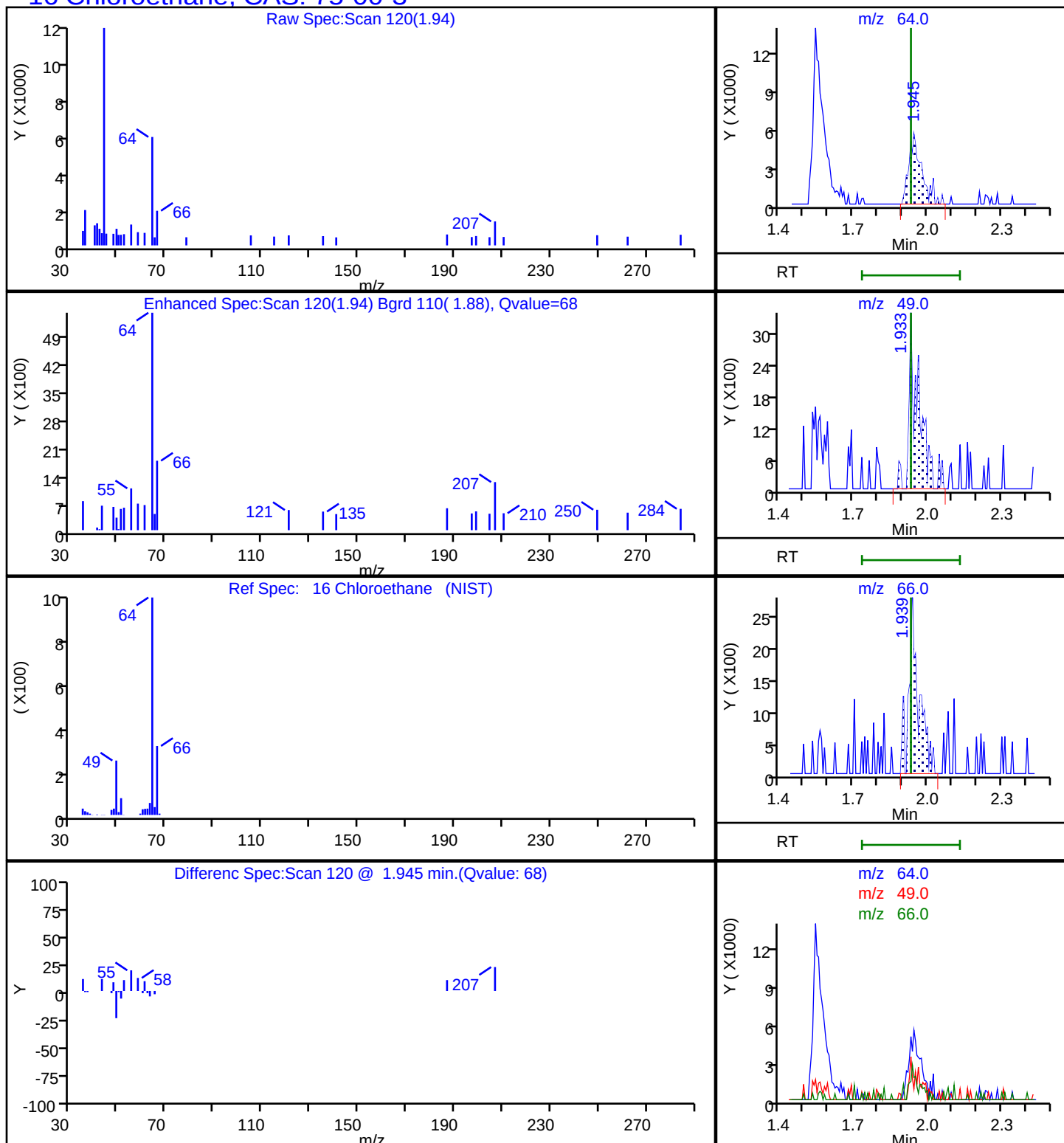
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180716-73094.b\N1506.D

Injection Date: 16-Jul-2018 10:53:30

Instrument ID: HP5973N

Lims ID: 480-138781-B-7

Lab Sample ID: 480-138781-7

Client ID: DPE-2

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 9

Purge Vol: 5.000 mL

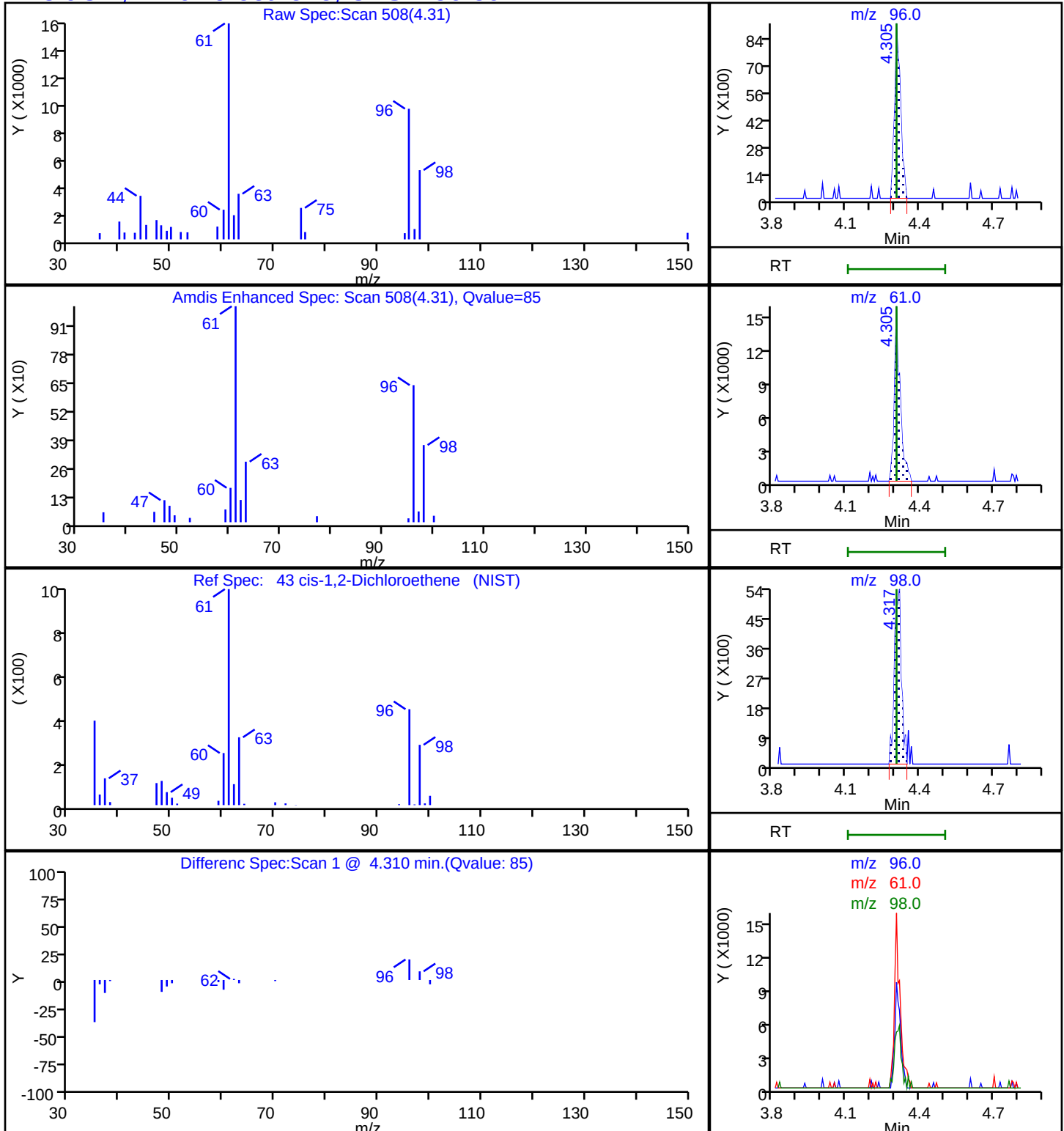
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180716-73094.b\N1506.D

Injection Date: 16-Jul-2018 10:53:30

Instrument ID: HP5973N

Lims ID: 480-138781-B-7

Lab Sample ID: 480-138781-7

Client ID: DPE-2

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 9

Purge Vol: 5.000 mL

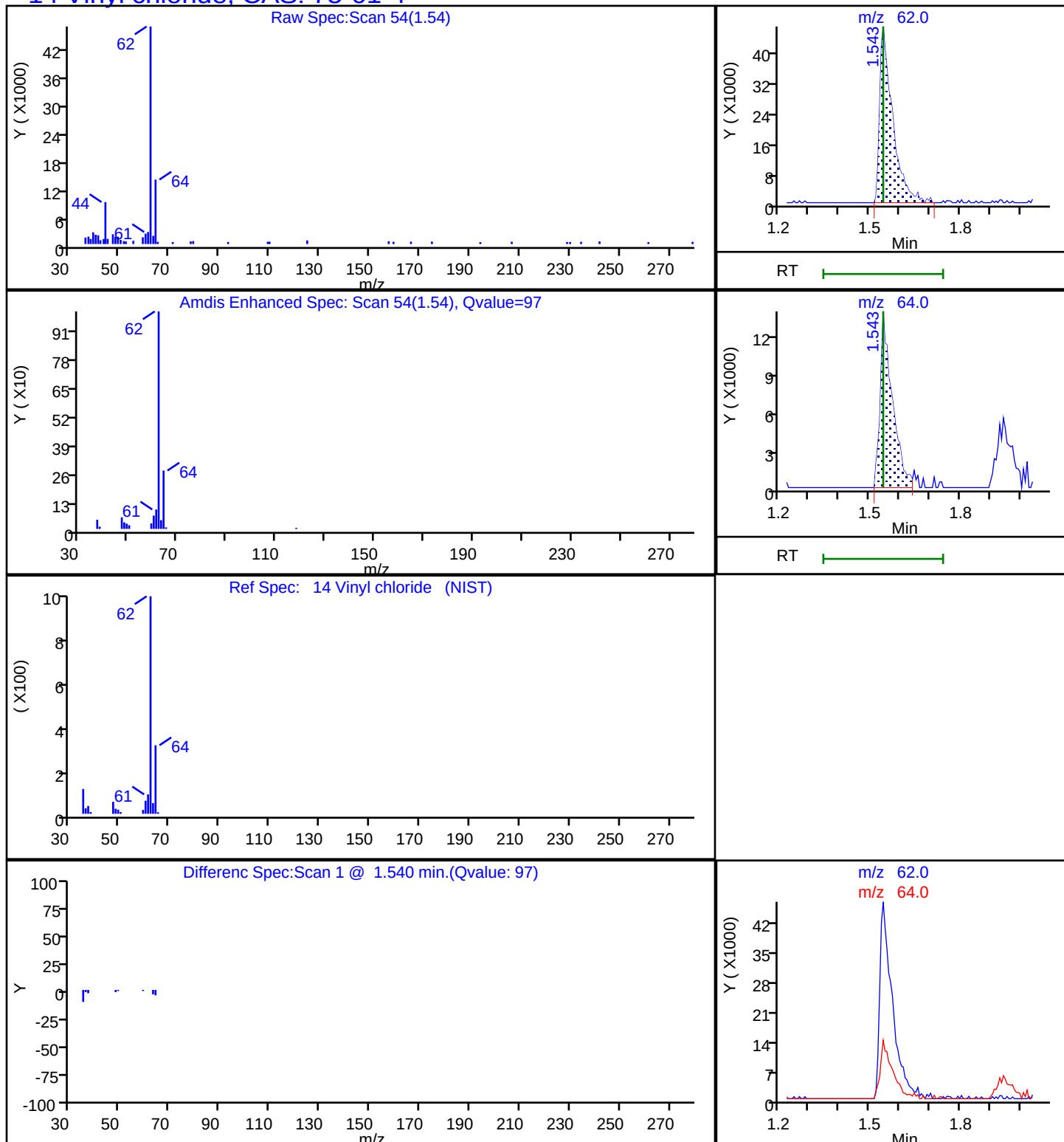
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180716-73094.b\N1506.D

Injection Date: 16-Jul-2018 10:53:30

Instrument ID: HP5973N

Lims ID: 480-138781-B-7

Lab Sample ID: 480-138781-7

Client ID: DPE-2

Operator ID: AM

ALS Bottle#: 1 Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

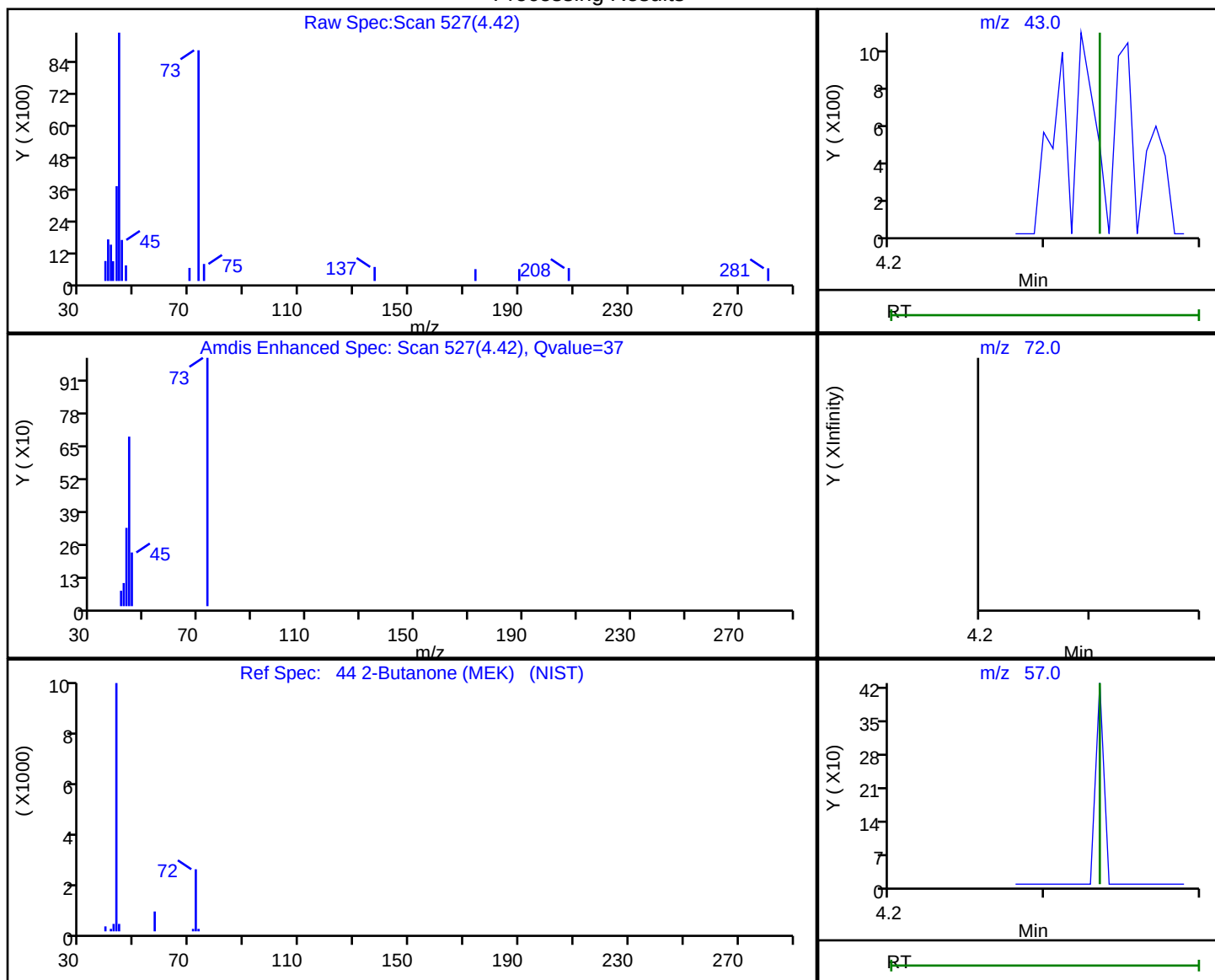
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
4.42	43.00	3420	0.458293
4.34	72.00	0	
4.34	57.00	0	

Reviewer: milligana, 16-Jul-2018 17:30:37

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N1506.D

Injection Date: 16-Jul-2018 10:53:30

Instrument ID: HP5973N

Lims ID: 480-138781-B-7

Lab Sample ID: 480-138781-7

Client ID: DPE-2

Operator ID: AM

ALS Bottle#: 1 Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

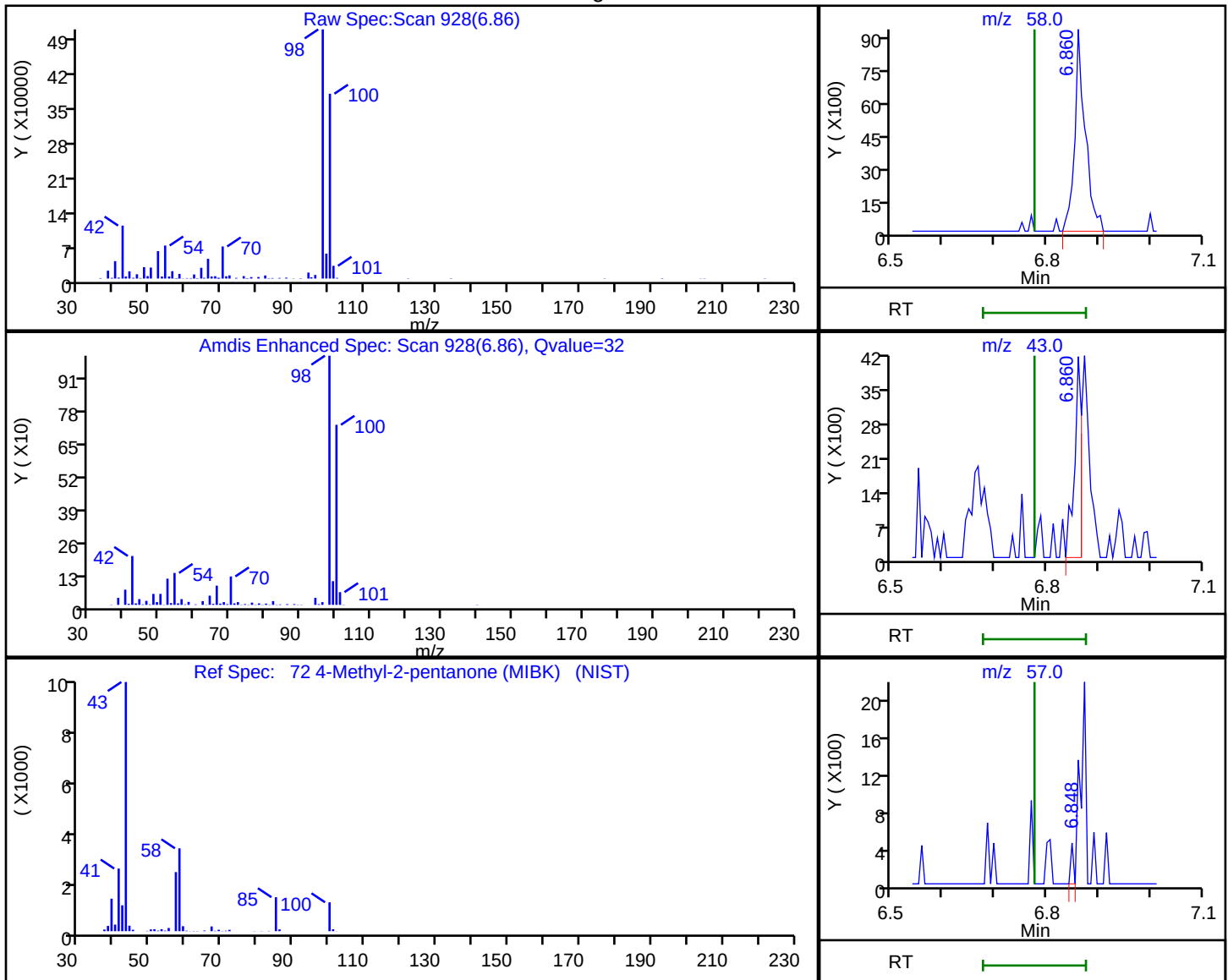
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.86	58.00	13309	1.929998
6.86	43.00	3973	
6.85	57.00	155	

Reviewer: milligana, 16-Jul-2018 17:30:50

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>DPE-3</u>	Lab Sample ID: <u>480-138781-8</u>
Matrix: <u>Water</u>	Lab File ID: <u>N1561.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/12/2018 12:45</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/17/2018 11:57</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>424746</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	15		10	3.8
75-35-4	1,1-Dichloroethene	3.5	J	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	ND		10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	740		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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: DPE-3 Lab Sample ID: 480-138781-8
 Matrix: Water Lab File ID: N1561.D
 Analysis Method: 8260C Date Collected: 07/12/2018 12:45
 Sample wt/vol: 5 (mL) Date Analyzed: 07/17/2018 11:57
 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.: 424746 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	31		10	4.6
75-69-4	Trichlorofluoromethane	ND		10	8.8
75-01-4	Vinyl chloride	360		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)	112		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
2037-26-5	Toluene-d8 (Surr)	97		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1561.D
 Lims ID: 480-138781-A-8
 Client ID: DPE-3
 Sample Type: Client
 Inject. Date: 17-Jul-2018 11:57:30 ALS Bottle#: 2 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-138781-A-8
 Misc. Info.: 480-0073134-010
 Operator ID: AM Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jul-2018 10:23:24 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK008

First Level Reviewer: moffata

Date: 18-Jul-2018 10:23:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	197422	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.345	-0.006	90	799244	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	96	399972	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	0.000	93	289081	25.6	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	394178	28.0	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.861	0.000	94	1021596	24.2	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.591	0.000	93	338381	25.7	
11 Dichlorodifluoromethane	85	1.385	1.300	0.085	1	371	0.0313	
13 Chloromethane	50		1.470				ND	
14 Vinyl chloride	62	1.543	1.549	-0.006	98	499169	36.3	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64		1.939				ND	U
18 Trichlorofluoromethane	101		2.152				ND	
22 1,1-Dichloroethene	96	2.638	2.638	0.000	57	3573	0.3475	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43	2.742	2.748	0.006	54	4914	1.24	
25 Carbon disulfide	76	2.827	2.833	-0.006	73	5594	0.1763	
28 Methyl acetate	43		3.034				ND	
30 Methylene Chloride	84		3.125				ND	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	82	4172	0.3438	
36 1,1-Dichloroethane	63	3.764	3.764	0.000	96	34478	1.51	
43 cis-1,2-Dichloroethene	96	4.305	4.311	-0.006	86	988968	74.3	
44 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	U
52 Cyclohexane	56		4.767				ND	
53 Carbon tetrachloride	117		4.889				ND	
55 Benzene	78		5.096				ND	
57 1,2-Dichloroethane	62		5.145				ND	
60 Trichloroethene	95	5.704	5.704	0.000	92	37381	3.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.844				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	
73 Toluene	92	6.927	6.928	-0.006	38	4823	0.1566	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.469				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.773				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.275				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.780				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.113				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180717-73134.b\\N1561.D

Injection Date: 17-Jul-2018 11:57:30

Instrument ID: HP5973N

Operator ID: AM

Lims ID: 480-138781-A-8

Lab Sample ID: 480-138781-8

Worklist Smp#: 10

Client ID: DPE-3

Purge Vol: 5.000 mL

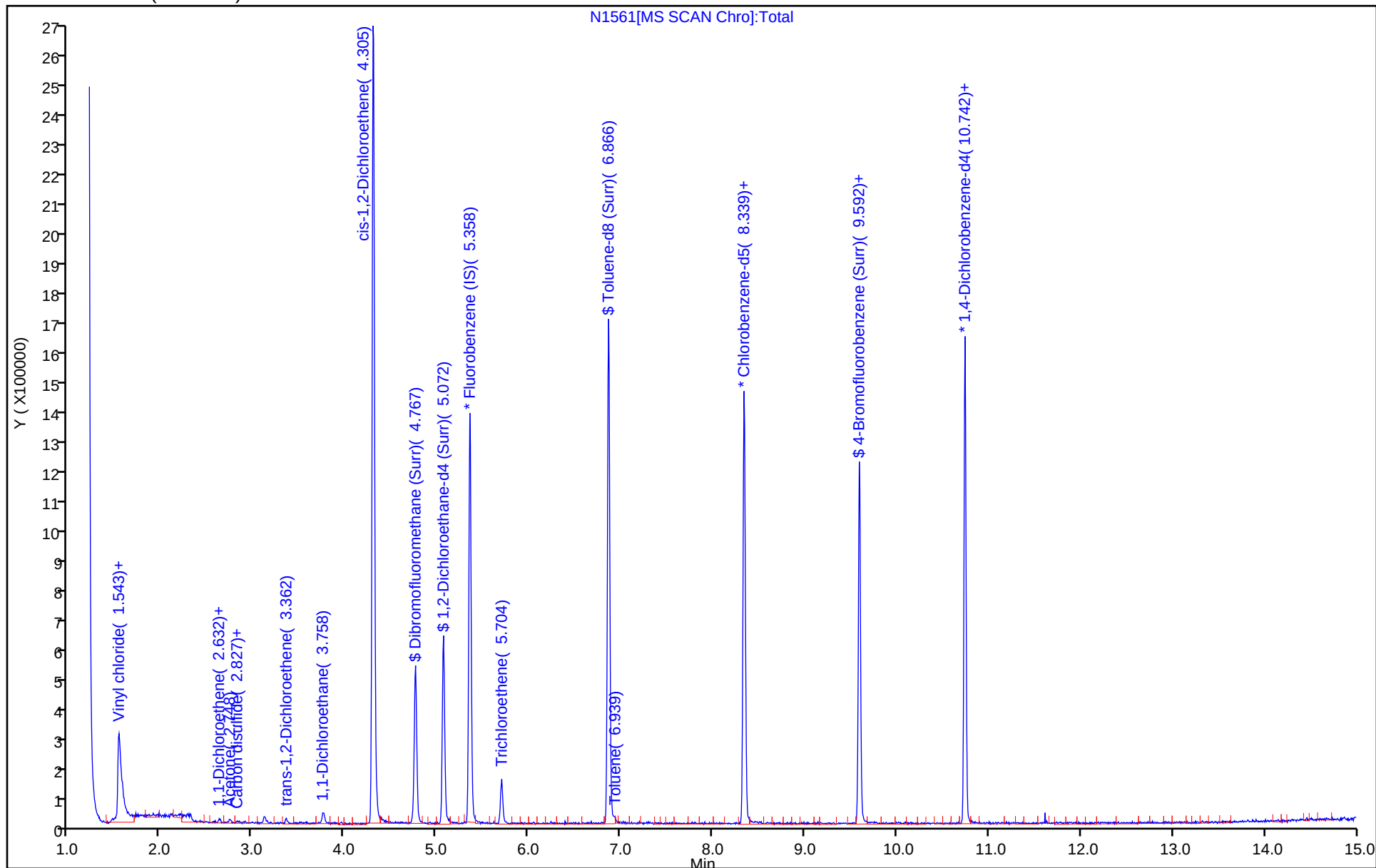
Dil. Factor: 10.0000

ALS Bottle#: 2

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1561.D

Injection Date: 17-Jul-2018 11:57:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-8

Lab Sample ID: 480-138781-8

Client ID: DPE-3

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 10

Purge Vol: 5.000 mL

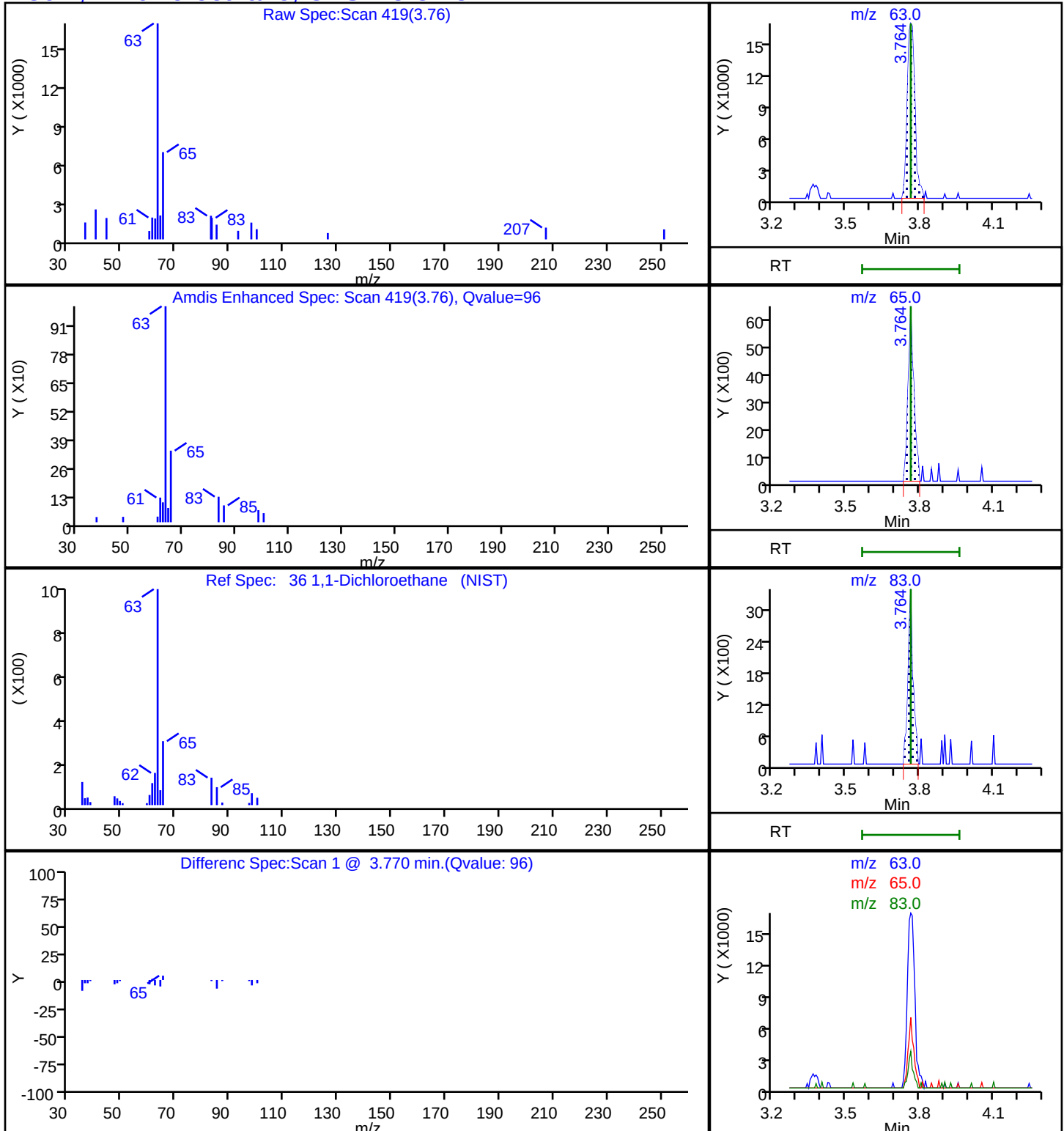
Dil. Factor: 10.0000

Method: N-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\HP5973N\20180717-73134.b\N1561.D

Injection Date: 17-Jul-2018 11:57:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-8

Lab Sample ID: 480-138781-8

Client ID: DPE-3

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 10

Purge Vol: 5.000 mL

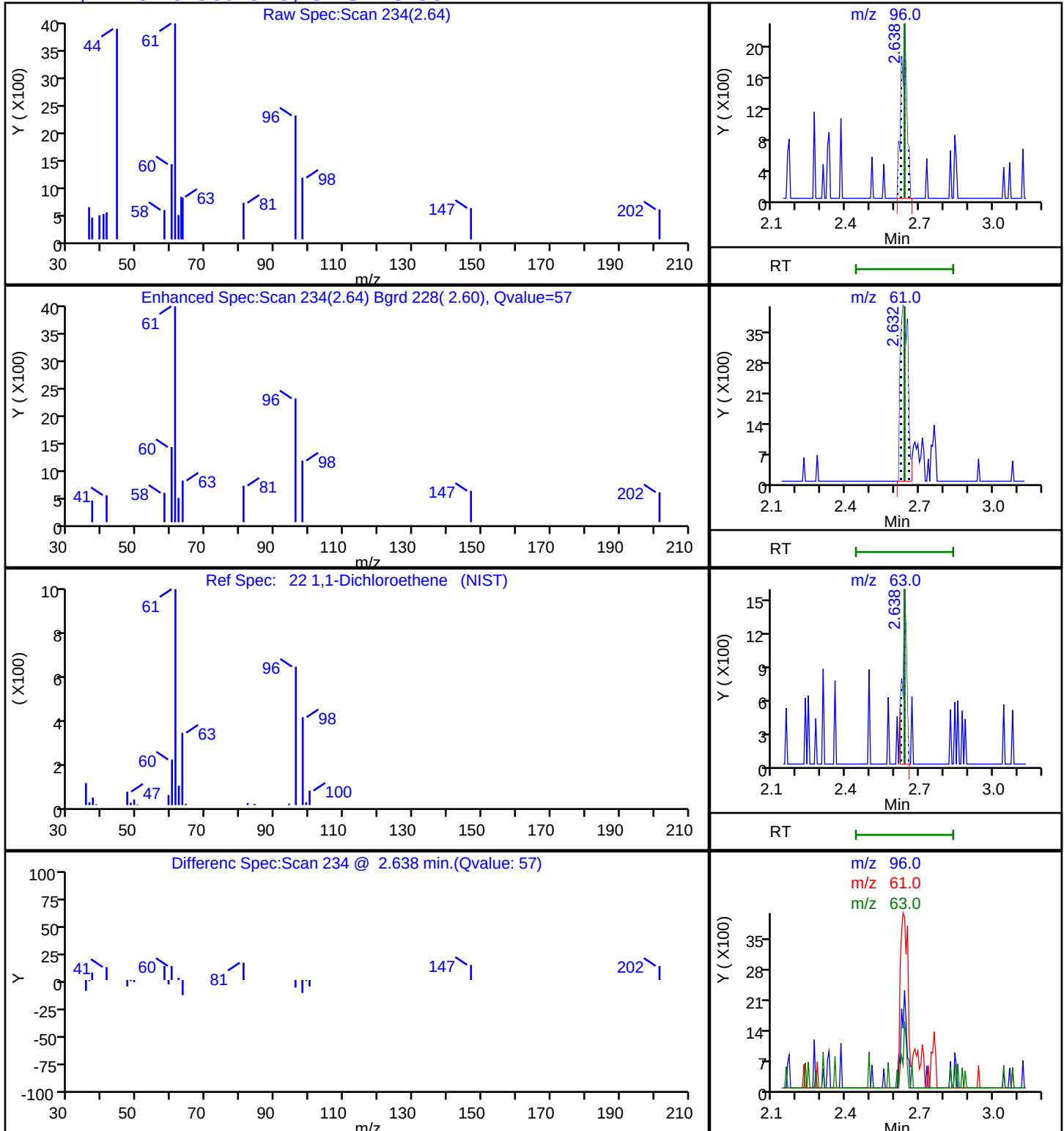
Dil. Factor: 10.0000

Method: N-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\HP5973N\20180717-73134.b\N1561.D

Injection Date: 17-Jul-2018 11:57:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-8

Lab Sample ID: 480-138781-8

Client ID: DPE-3

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 10

Purge Vol: 5.000 mL

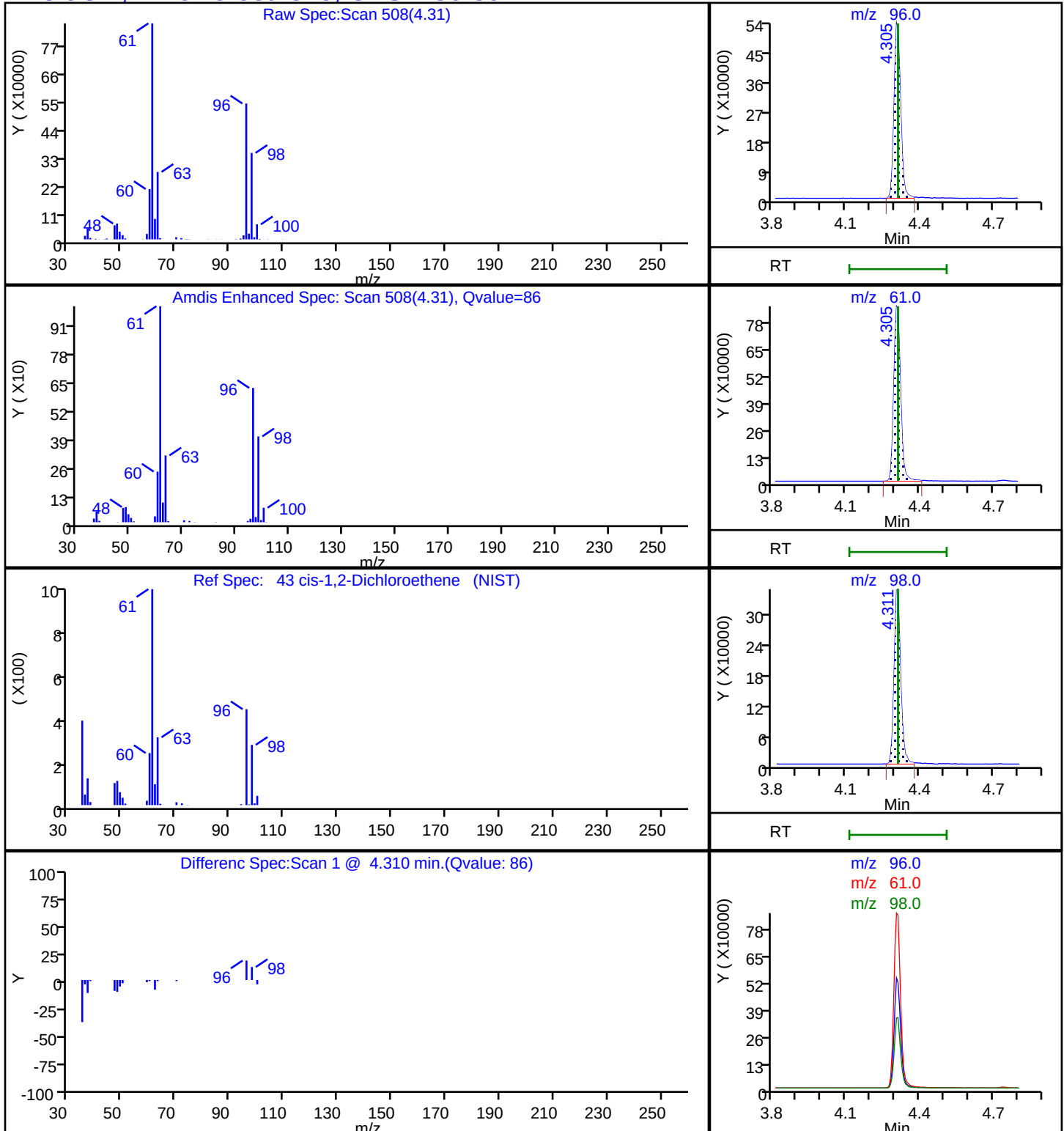
Dil. Factor: 10.0000

Method: N-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\HP5973N\20180717-73134.b\N1561.D

Injection Date: 17-Jul-2018 11:57:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-8

Lab Sample ID: 480-138781-8

Client ID: DPE-3

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 10

Purge Vol: 5.000 mL

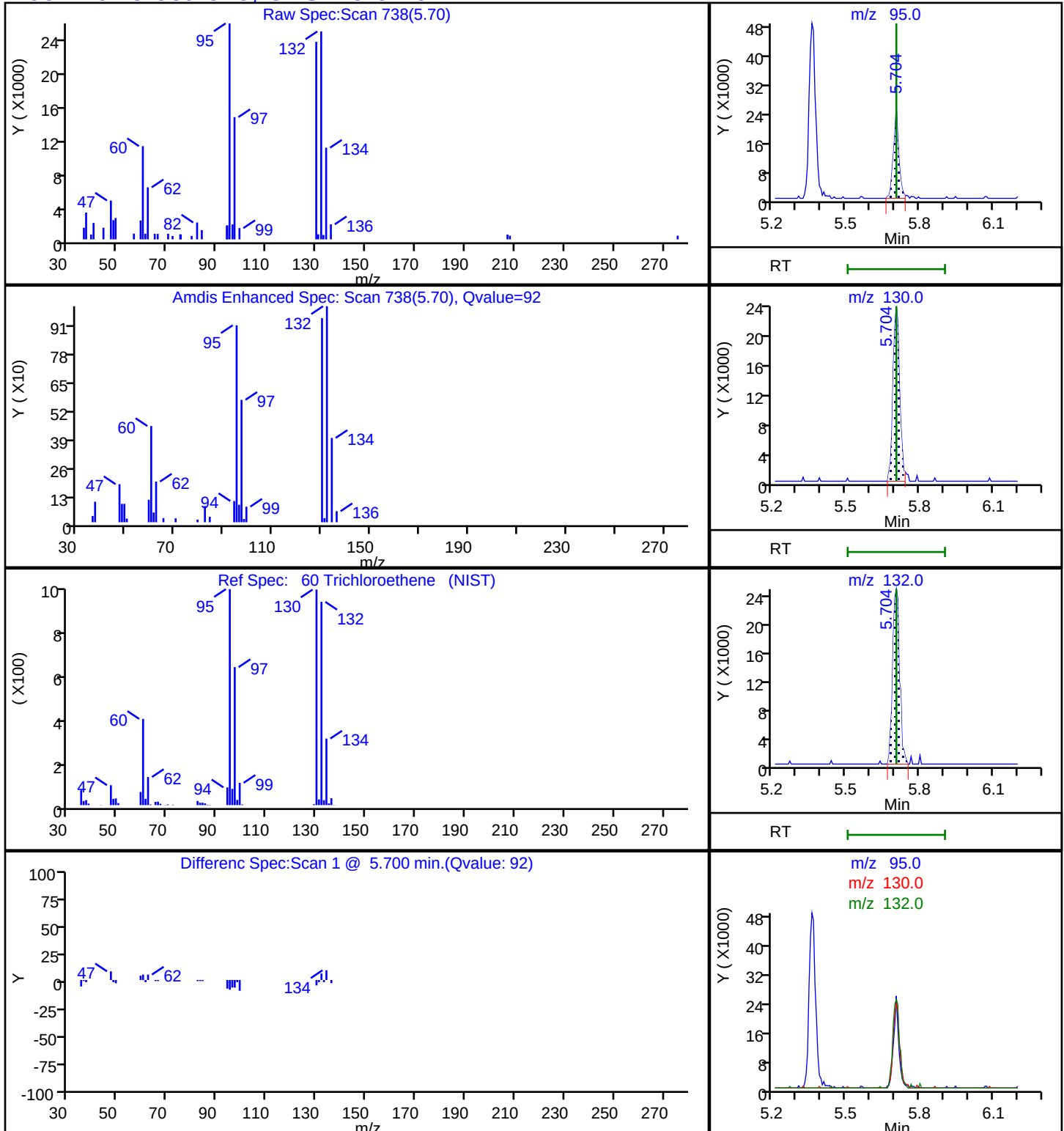
Dil. Factor: 10.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1561.D

Injection Date: 17-Jul-2018 11:57:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-8

Lab Sample ID: 480-138781-8

Client ID: DPE-3

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 10

Purge Vol: 5.000 mL

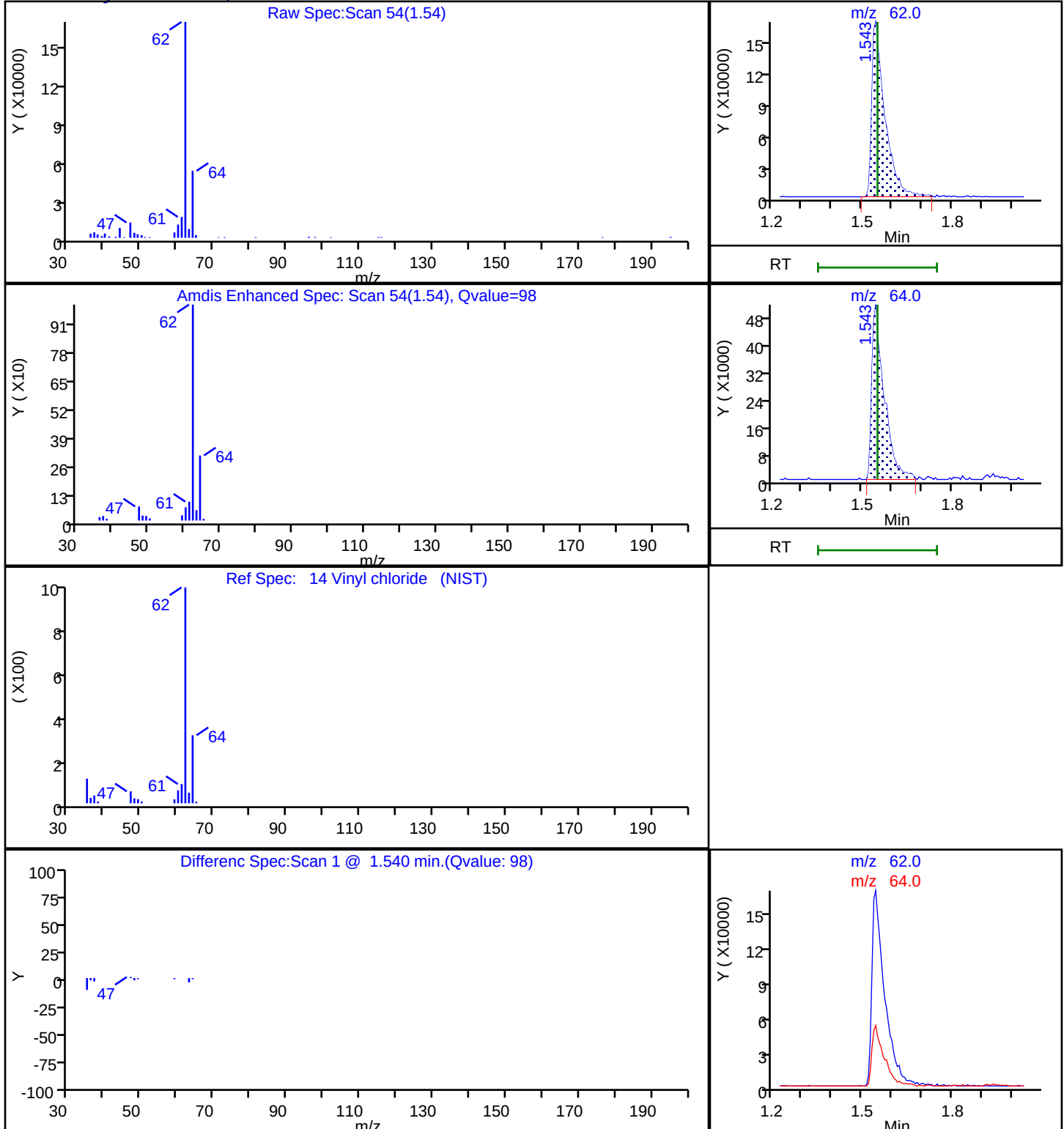
Dil. Factor: 10.0000

Method: N-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\HP5973N\20180717-73134.b\N1561.D

Injection Date: 17-Jul-2018 11:57:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-8

Lab Sample ID: 480-138781-8

Client ID: DPE-3

Operator ID: AM

ALS Bottle#: 2 Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

Method: N-8260

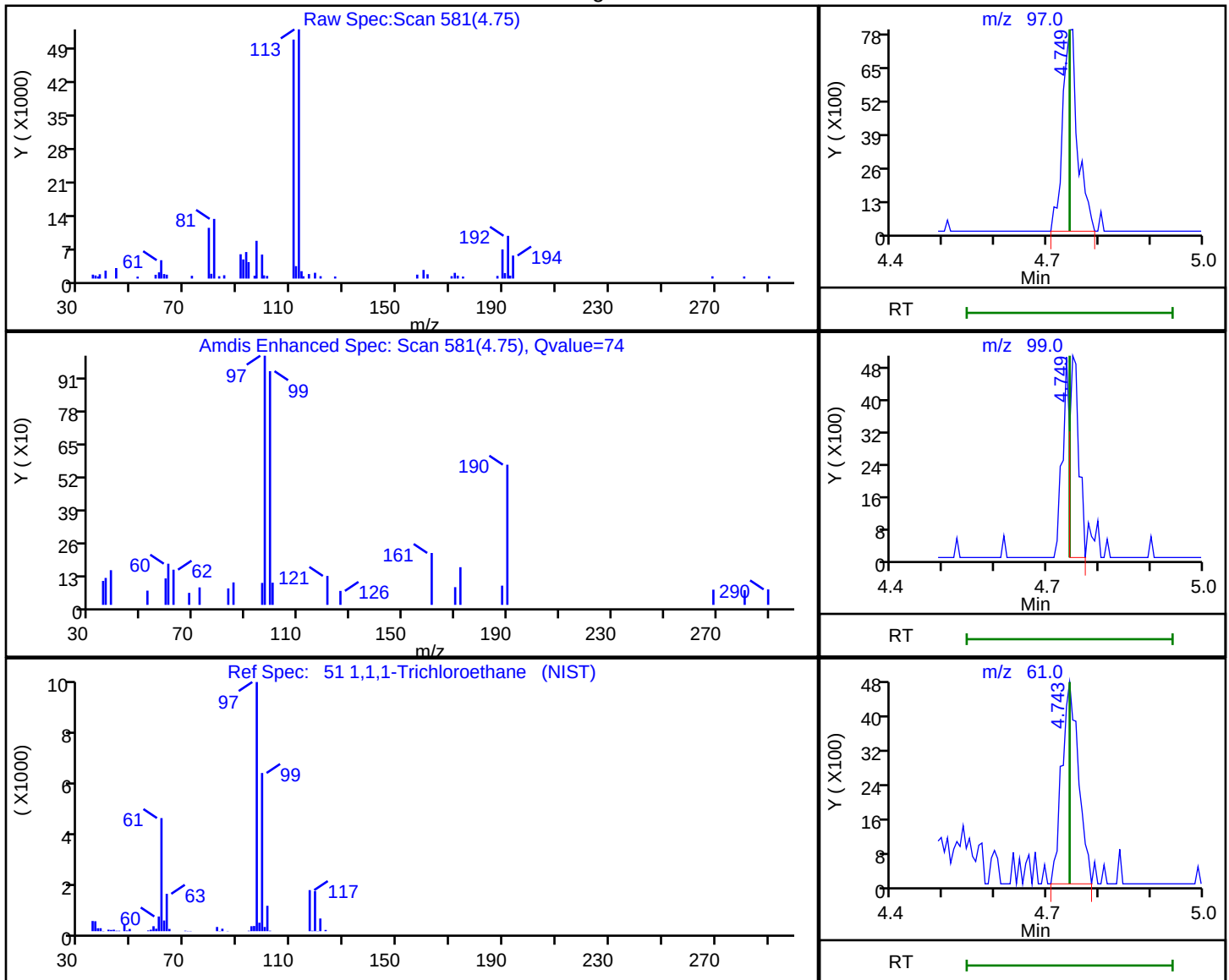
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
4.75	97.00	16021	0.909487
4.75	99.00	6221	
4.74	61.00	10627	

Reviewer: moffata, 18-Jul-2018 10:23:04

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1561.D

Injection Date: 17-Jul-2018 11:57:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-8

Lab Sample ID: 480-138781-8

Client ID: DPE-3

Operator ID: AM

ALS Bottle#:

2

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

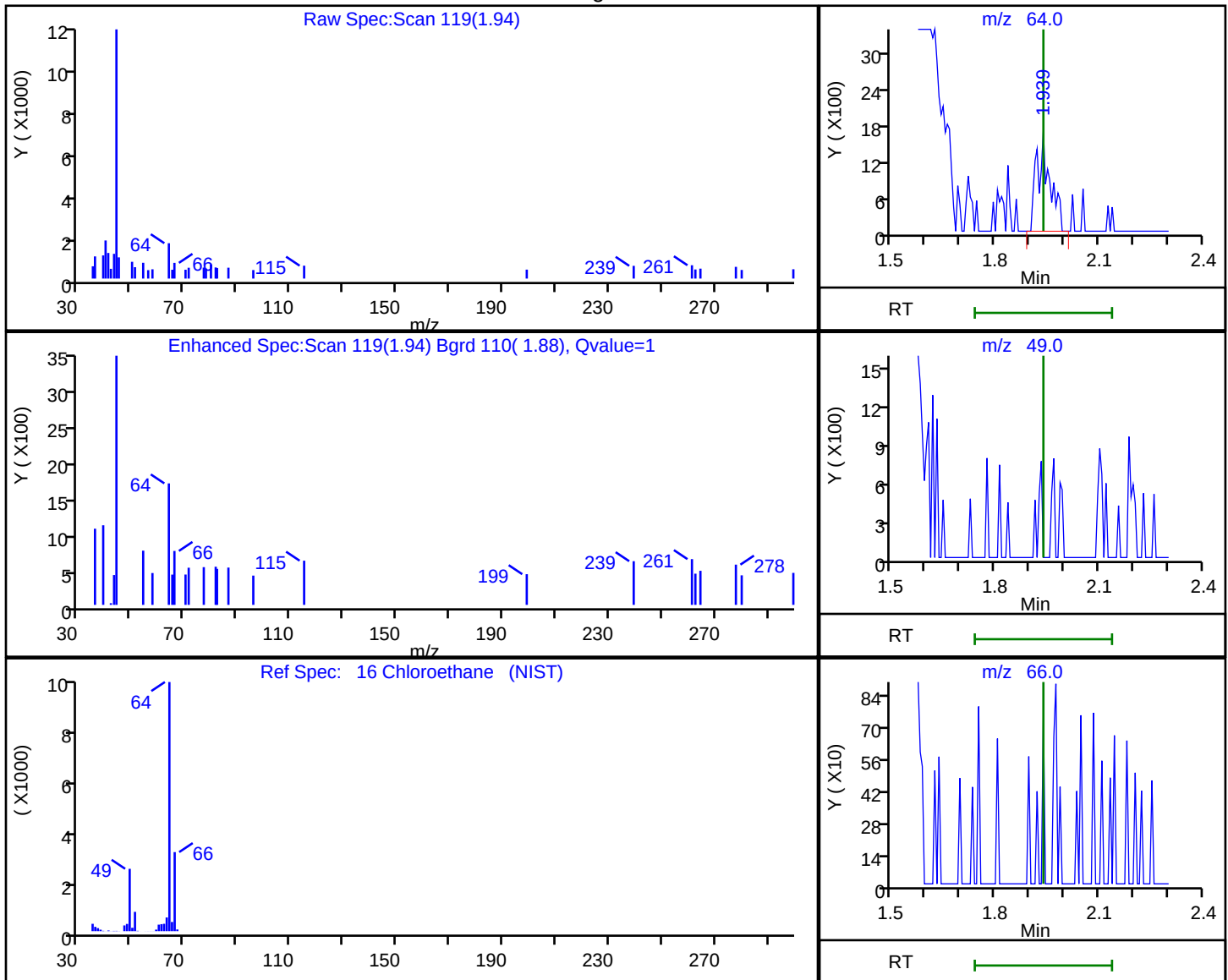
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.94	64.00	4424	0.638221
1.94	49.00	0	
1.94	66.00	0	

Reviewer: moffata, 18-Jul-2018 10:22:52

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>DPE-4</u>	Lab Sample ID: <u>480-138781-9</u>
Matrix: <u>Water</u>	Lab File ID: <u>N1562.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/12/2018 12:30</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/17/2018 12:24</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>424746</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	8.4	J	10	3.8
75-35-4	1,1-Dichloroethene	7.0	J	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	ND		10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	2400	E	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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: DPE-4 Lab Sample ID: 480-138781-9
 Matrix: Water Lab File ID: N1562.D
 Analysis Method: 8260C Date Collected: 07/12/2018 12:30
 Sample wt/vol: 5 (mL) Date Analyzed: 07/17/2018 12:24
 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.: 424746 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	34		10	4.6
75-69-4	Trichlorofluoromethane	ND		10	8.8
75-01-4	Vinyl chloride	810		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)	110		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
2037-26-5	Toluene-d8 (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1562.D
 Lims ID: 480-138781-A-9
 Client ID: DPE-4
 Sample Type: Client
 Inject. Date: 17-Jul-2018 12:24:30 ALS Bottle#: 3 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-138781-A-9
 Misc. Info.: 480-0073134-011
 Operator ID: AM Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jul-2018 10:24:04 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK008

First Level Reviewer: moffata

Date: 18-Jul-2018 10:24:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.357	5.358	-0.001	98	201818	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.345	-0.007	89	798260	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.742	-0.001	96	387170	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	0.000	93	291306	25.3	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	394907	27.5	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.861	0.000	95	1007236	23.9	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.591	-0.006	93	339411	25.8	
11 Dichlorodifluoromethane	85		1.300				ND	
13 Chloromethane	50		1.470				ND	
14 Vinyl chloride	62	1.543	1.549	-0.006	97	1139807	81.1	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64		1.939				ND	U
18 Trichlorofluoromethane	101		2.152				ND	
22 1,1-Dichloroethene	96	2.626	2.638	-0.012	80	7350	0.6993	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43	2.748	2.748	0.012	65	6208	1.53	
25 Carbon disulfide	76	2.833	2.833	0.000	35	5686	0.1753	
28 Methyl acetate	43		3.034				ND	
30 Methylene Chloride	84		3.125				ND	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	88	3929	0.3167	
36 1,1-Dichloroethane	63	3.764	3.764	0.000	95	19642	0.8423	
43 cis-1,2-Dichloroethene	96	4.311	4.311	0.000	86	3268018	240.2	E
44 2-Butanone (MEK)	43		4.336				ND	U
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.767				ND	
53 Carbon tetrachloride	117		4.889				ND	
55 Benzene	78		5.096				ND	
57 1,2-Dichloroethane	62		5.145				ND	
60 Trichloroethene	95	5.704	5.704	0.000	89	42971	3.44	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.844				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	
73 Toluene	92	6.933	6.928	0.000	88	5684	0.1848	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.469				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.773				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.275				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.780				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.113				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1562.D

Injection Date: 17-Jul-2018 12:24:30

Instrument ID: HP5973N

Operator ID: AM

Lims ID: 480-138781-A-9

Lab Sample ID: 480-138781-9

Worklist Smp#: 11

Client ID: DPE-4

Purge Vol: 5.000 mL

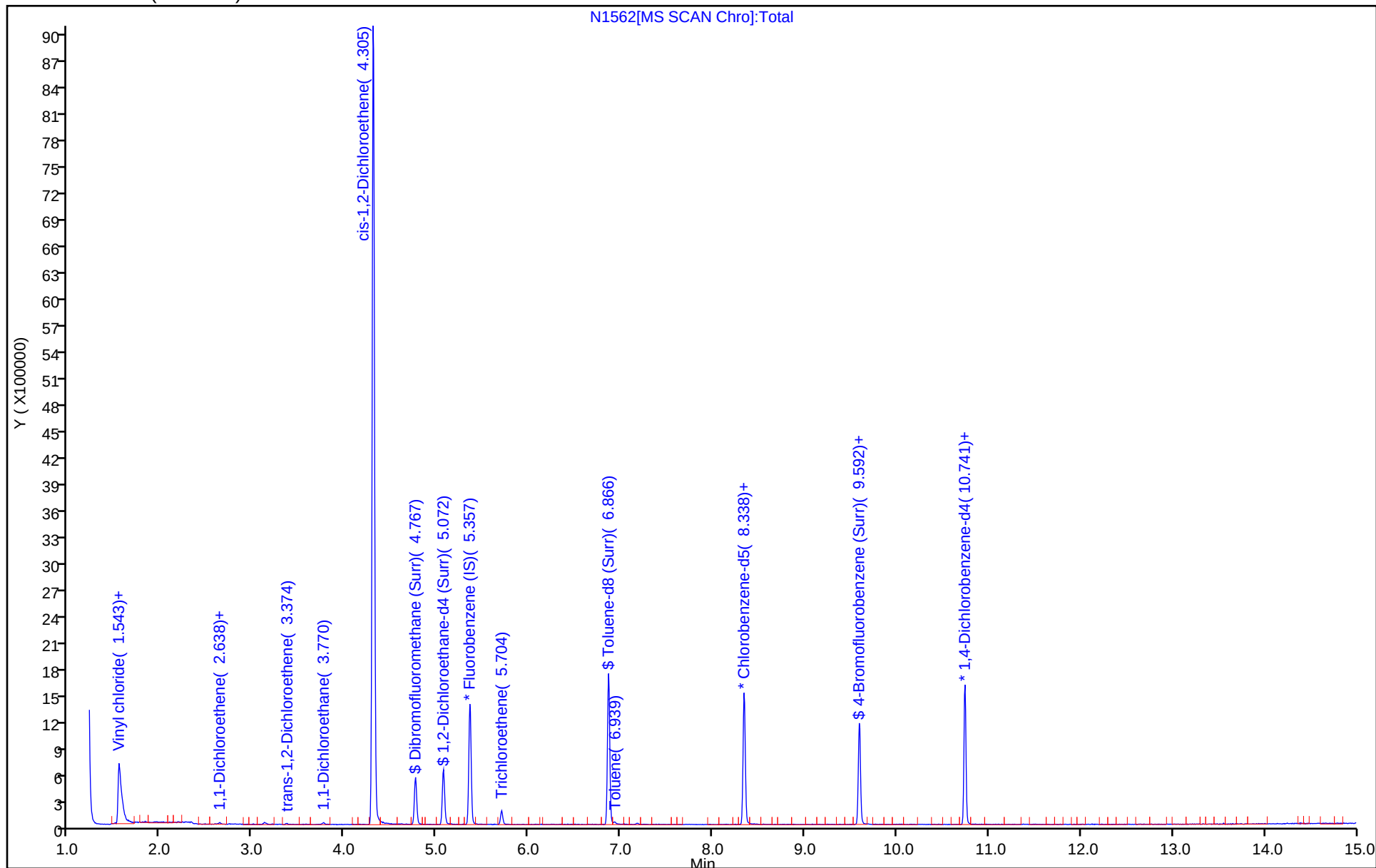
Dil. Factor: 10.0000

ALS Bottle#: 3

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1562.D

Injection Date: 17-Jul-2018 12:24:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-9

Lab Sample ID: 480-138781-9

Client ID: DPE-4

Operator ID: AM

ALS Bottle#: 3

Worklist Smp#: 11

Purge Vol: 5.000 mL

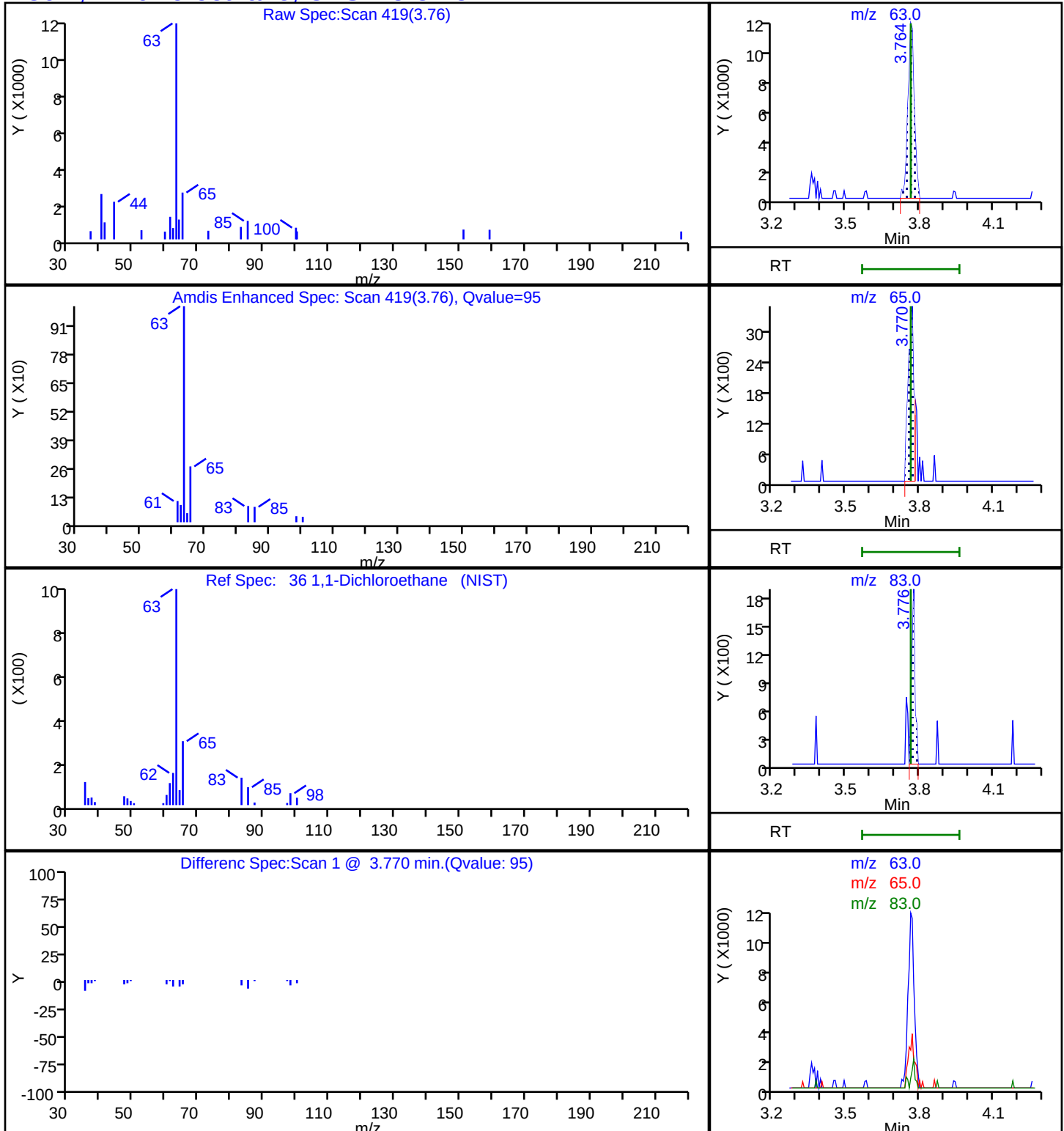
Dil. Factor: 10.0000

Method: N-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\HP5973N\20180717-73134.b\N1562.D

Injection Date: 17-Jul-2018 12:24:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-9

Lab Sample ID: 480-138781-9

Client ID: DPE-4

Operator ID: AM

ALS Bottle#: 3

Worklist Smp#: 11

Purge Vol: 5.000 mL

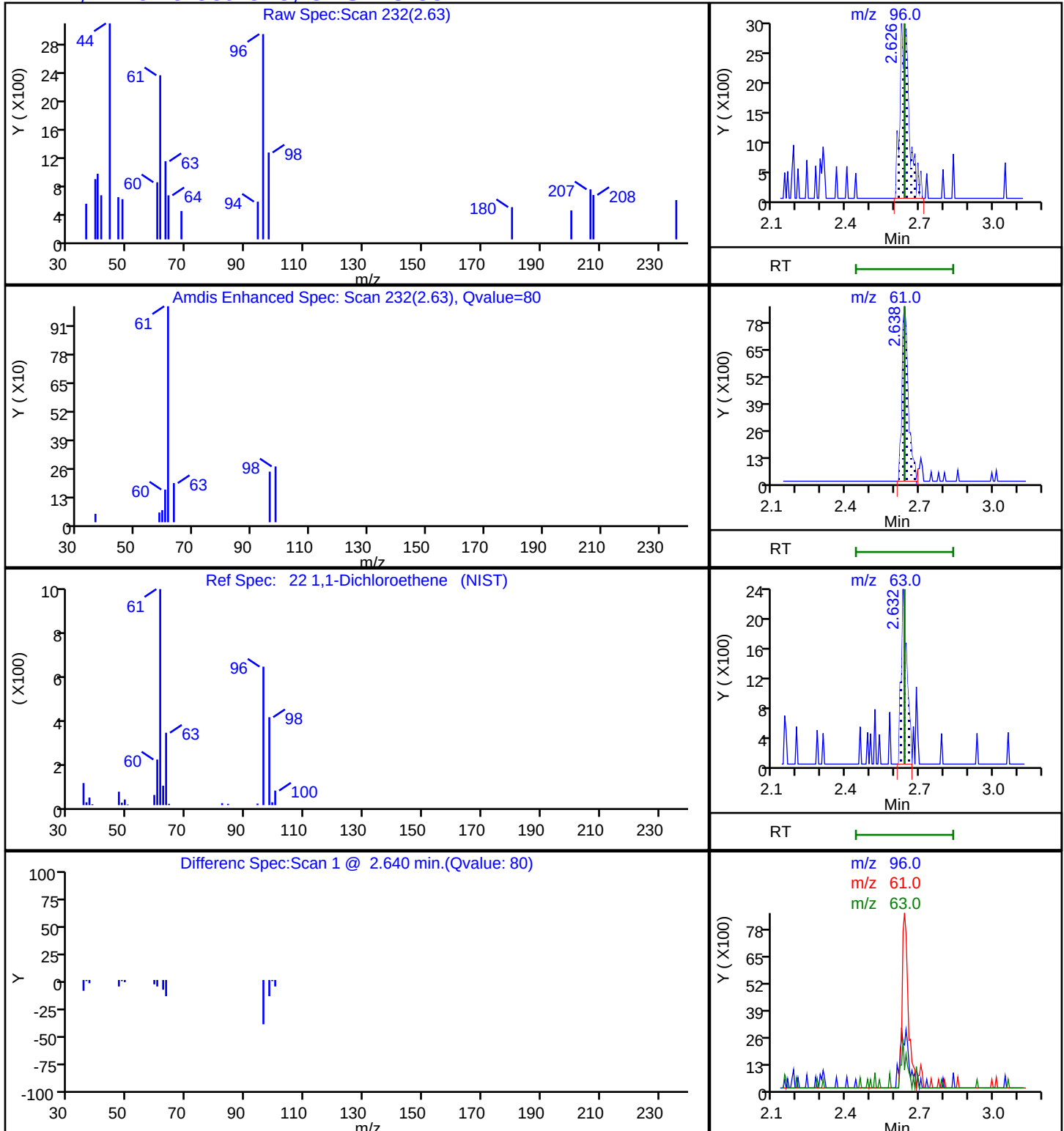
Dil. Factor: 10.0000

Method: N-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\HP5973N\20180717-73134.b\N1562.D

Injection Date: 17-Jul-2018 12:24:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-9

Lab Sample ID: 480-138781-9

Client ID: DPE-4

Operator ID: AM

ALS Bottle#: 3

Worklist Smp#: 11

Purge Vol: 5.000 mL

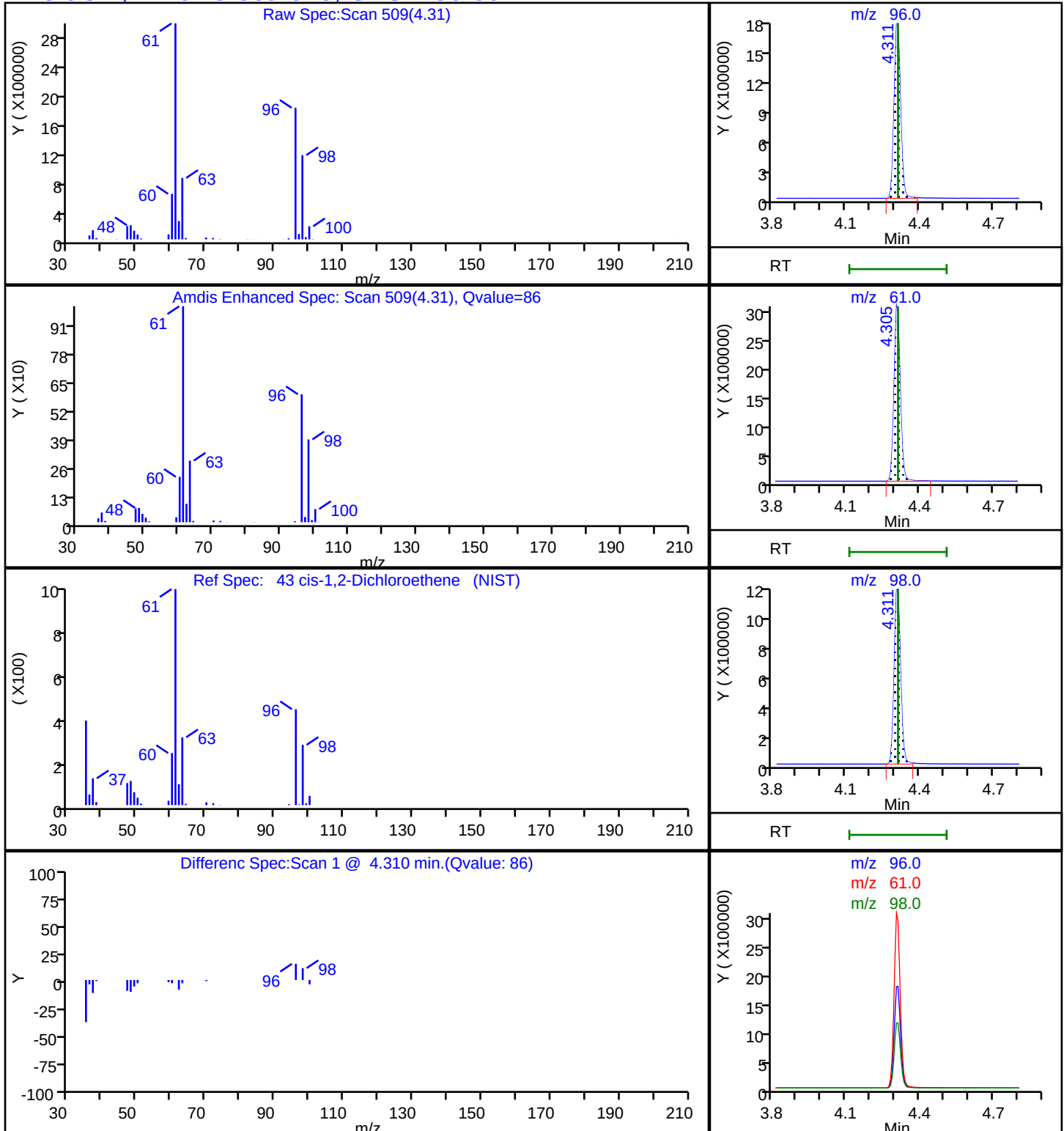
Dil. Factor: 10.0000

Method: N-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\HP5973N\20180717-73134.b\N1562.D

Injection Date: 17-Jul-2018 12:24:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-9

Lab Sample ID: 480-138781-9

Client ID: DPE-4

Operator ID: AM

ALS Bottle#: 3

Worklist Smp#: 11

Purge Vol: 5.000 mL

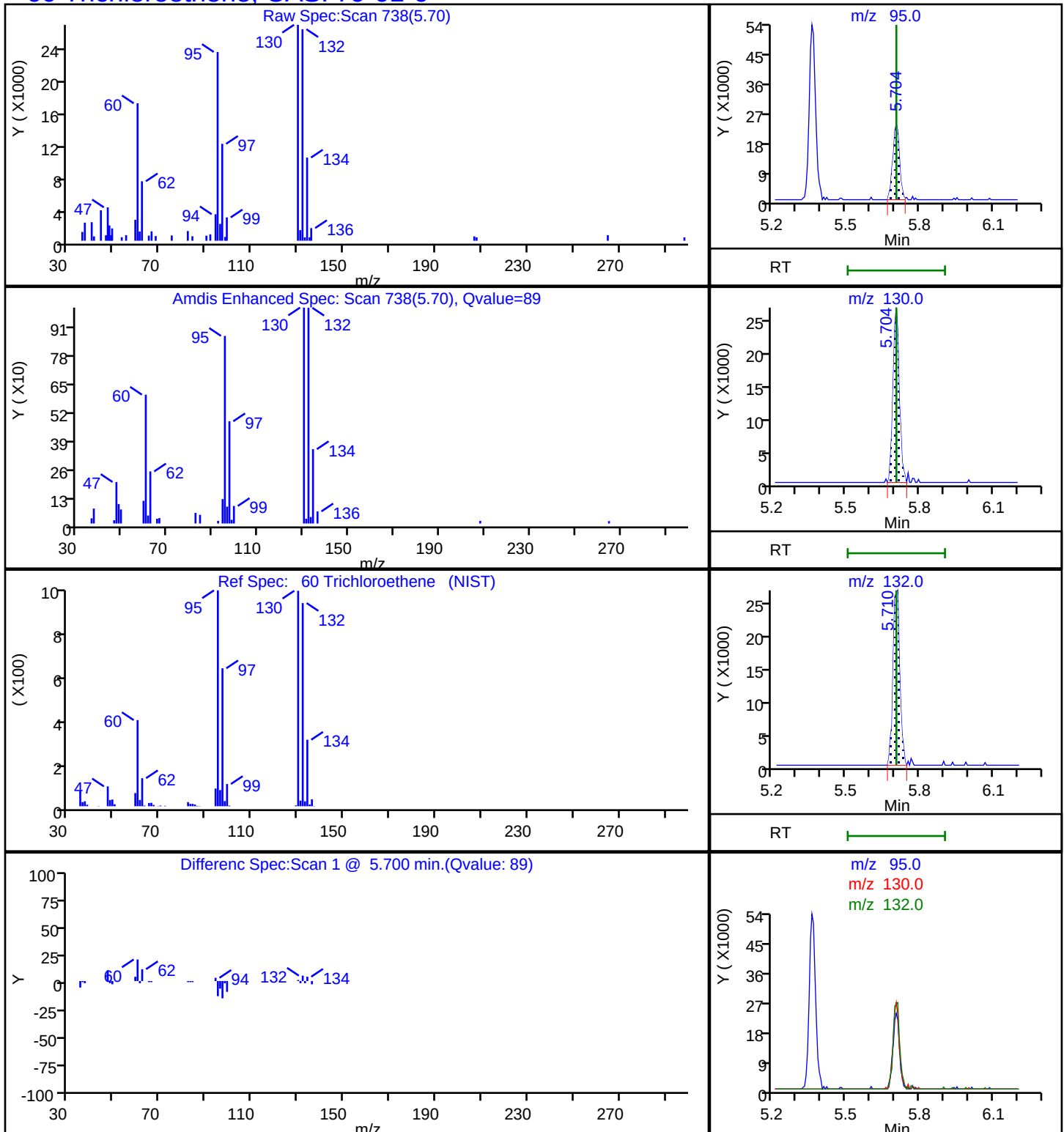
Dil. Factor: 10.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1562.D

Injection Date: 17-Jul-2018 12:24:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-9

Lab Sample ID: 480-138781-9

Client ID: DPE-4

Operator ID: AM

ALS Bottle#: 3

Worklist Smp#: 11

Purge Vol: 5.000 mL

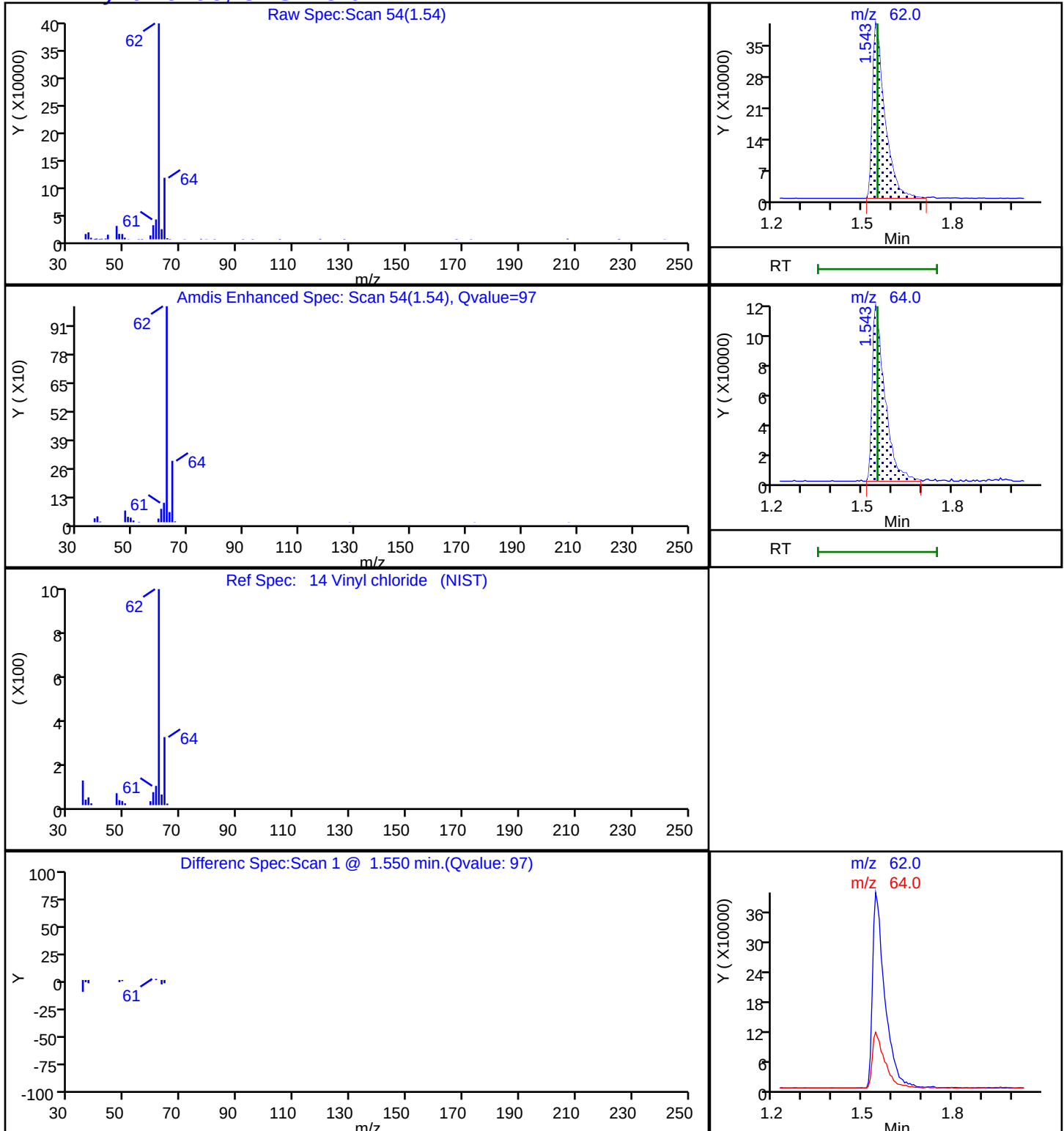
Dil. Factor: 10.0000

Method: N-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\HP5973N\20180717-73134.b\N1562.D

Injection Date: 17-Jul-2018 12:24:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-9

Lab Sample ID: 480-138781-9

Client ID: DPE-4

Operator ID: AM

ALS Bottle#:

3

Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

Method: N-8260

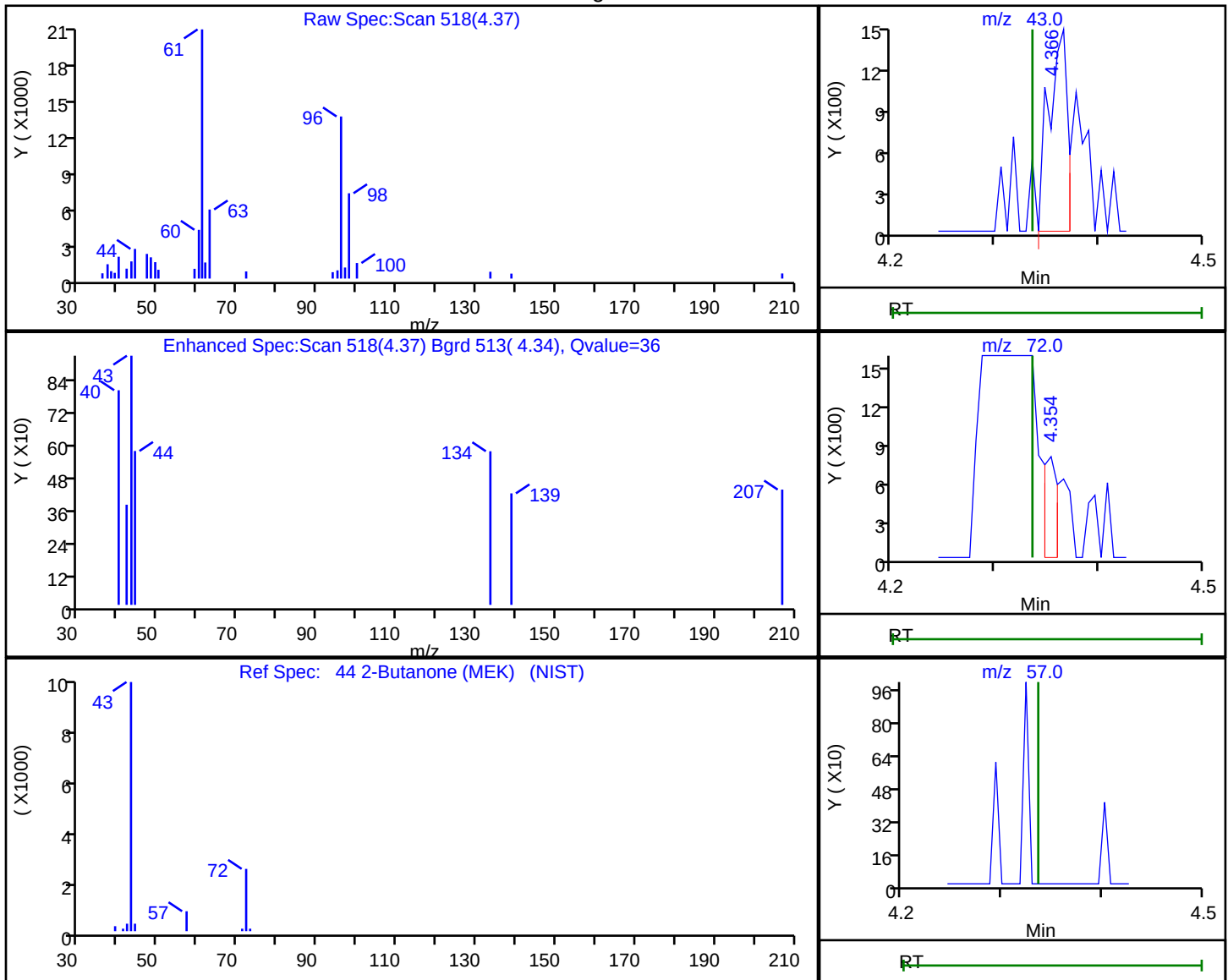
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
4.37	43.00	1828	0.246400
4.35	72.00	741	
4.34	57.00	0	

Reviewer: moffata, 18-Jul-2018 10:23:51

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1562.D

Injection Date: 17-Jul-2018 12:24:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-9

Lab Sample ID: 480-138781-9

Client ID: DPE-4

Operator ID: AM

ALS Bottle#:

3

Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

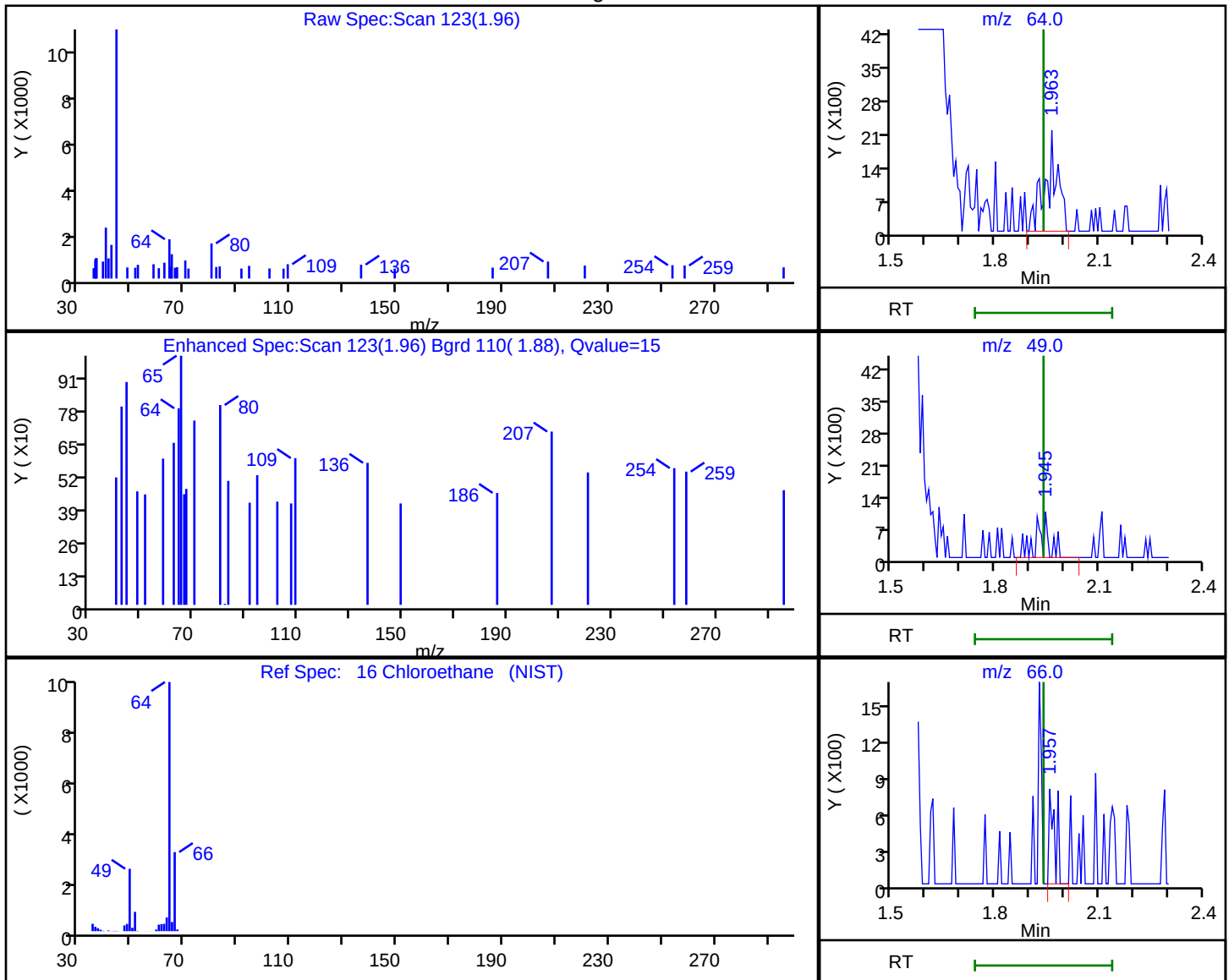
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.96	64.00	5229	0.737922
1.94	49.00	2154	
1.96	66.00	941	

Reviewer: moffata, 18-Jul-2018 10:23:40

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: DPE-4 DL Lab Sample ID: 480-138781-9 DL

Matrix: Water Lab File ID: S3653.D

Analysis Method: 8260C Date Collected: 07/12/2018 12:30

Sample wt/vol: 5 (mL) Date Analyzed: 07/18/2018 13:44

Soil Aliquot Vol: _____ Dilution Factor: 50

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

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

Analysis Batch No.: 424950 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	ND		500	150
71-43-2	Benzene	ND		50	21
75-27-4	Bromodichloromethane	ND		50	20
75-25-2	Bromoform	ND		50	13
74-83-9	Bromomethane	ND		50	35
75-15-0	Carbon disulfide	ND		50	9.5
56-23-5	Carbon tetrachloride	ND		50	14
108-90-7	Chlorobenzene	ND		50	38
75-00-3	Chloroethane	ND		50	16
67-66-3	Chloroform	ND		50	17
74-87-3	Chloromethane	ND		50	18
156-59-2	cis-1,2-Dichloroethene	2600		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.: 480-138781-1

SDG No.: _____

Client Sample ID: DPE-4 DL Lab Sample ID: 480-138781-9 DL

Matrix: Water Lab File ID: S3653.D

Analysis Method: 8260C Date Collected: 07/12/2018 12:30

Sample wt/vol: 5 (mL) Date Analyzed: 07/18/2018 13:44

Soil Aliquot Vol: _____ Dilution Factor: 50

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

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

Analysis Batch No.: 424950 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	ND		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	31	J	50	23
75-69-4	Trichlorofluoromethane	ND		50	44
75-01-4	Vinyl chloride	760		50	45
1330-20-7	Xylenes, Total	ND		100	33

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
2037-26-5	Toluene-d8 (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S3653.D
 Lims ID: 480-138781-B-9
 Client ID: DPE-4
 Sample Type: Client
 Inject. Date: 18-Jul-2018 13:44:30 ALS Bottle#: 1 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 50.0000
 Sample Info: 480-138781-B-9
 Misc. Info.: 480-0073166-018
 Operator ID: AM Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jul-2018 16:53:29 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: carrolln

Date: 18-Jul-2018 16:56:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	131881	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	263507	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.894	-0.006	95	246812	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	57	157043	24.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.236	5.242	-0.006	99	101776	24.6	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.001	93	586641	22.9	
\$ 6 4-Bromofluorobenzene (Surr	174	9.756	9.762	-0.006	89	196623	24.9	
10 Dichlorodifluoromethane	85		1.282				ND	
12 Chloromethane	50		1.470				ND	
13 Vinyl chloride	62	1.550	1.555	-0.005	93	136811	15.2	
14 Bromomethane	94		1.872				ND	
15 Chloroethane	64		1.969				ND	
17 Trichlorofluoromethane	101		2.200				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.699				ND	
22 1,1-Dichloroethene	96		2.723				ND	
23 Acetone	43		2.851				ND	
26 Carbon disulfide	76		2.924				ND	
27 Methyl acetate	43		3.149				ND	
30 Methylene Chloride	84		3.259				ND	
32 Methyl tert-butyl ether	73		3.453				ND	
34 trans-1,2-Dichloroethene	96		3.472				ND	
39 1,1-Dichloroethane	63		3.898				ND	
45 cis-1,2-Dichloroethene	96	4.451	4.457	-0.006	84	393283	51.3	
43 2-Butanone (MEK)	43		4.500				ND	
50 Chloroform	83	4.768	4.774	-0.006	1	1695	0.1383	
52 Cyclohexane	56		4.877				ND	
51 1,1,1-Trichloroethane	97		4.883				ND	
55 Carbon tetrachloride	117		5.017				ND	
57 Benzene	78		5.242				ND	
58 1,2-Dichloroethane	62		5.315				ND	
62 Trichloroethene	95	5.857	5.850	0.007	61	4527	0.6272	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.960				ND	
65 1,2-Dichloropropane	63		6.094				ND	
68 Dichlorobromomethane	83		6.386				ND	
72 cis-1,3-Dichloropropene	75		6.805				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.951				ND	
74 Toluene	92		7.091				ND	
77 trans-1,3-Dichloropropene	75		7.371				ND	
79 1,1,2-Trichloroethane	83		7.566				ND	
81 Tetrachloroethene	166		7.615				ND	
80 2-Hexanone	43		7.791				ND	
83 Chlorodibromomethane	129		7.961				ND	
84 Ethylene Dibromide	107		8.065				ND	
87 Chlorobenzene	112		8.539				ND	
88 Ethylbenzene	91		8.631				ND	
90 m-Xylene & p-Xylene	106		8.752				ND	
91 o-Xylene	106		9.178				ND	
92 Styrene	104		9.208				ND	
95 Bromoform	173		9.464				ND	
94 Isopropylbenzene	105		9.561				ND	
97 1,1,2,2-Tetrachloroethane	83		9.969				ND	
111 1,3-Dichlorobenzene	146		10.827				ND	
113 1,4-Dichlorobenzene	146		10.912				ND	
116 1,2-Dichlorobenzene	146		11.265				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995				ND	
119 1,2,4-Trichlorobenzene	180		12.664				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180718-73166.b\\S3653.D

Injection Date: 18-Jul-2018 13:44:30

Instrument ID: HP5973S

Operator ID: AM

Lims ID: 480-138781-B-9

Lab Sample ID: 480-138781-9

Worklist Smp#: 18

Client ID: DPE-4

Purge Vol: 5.000 mL

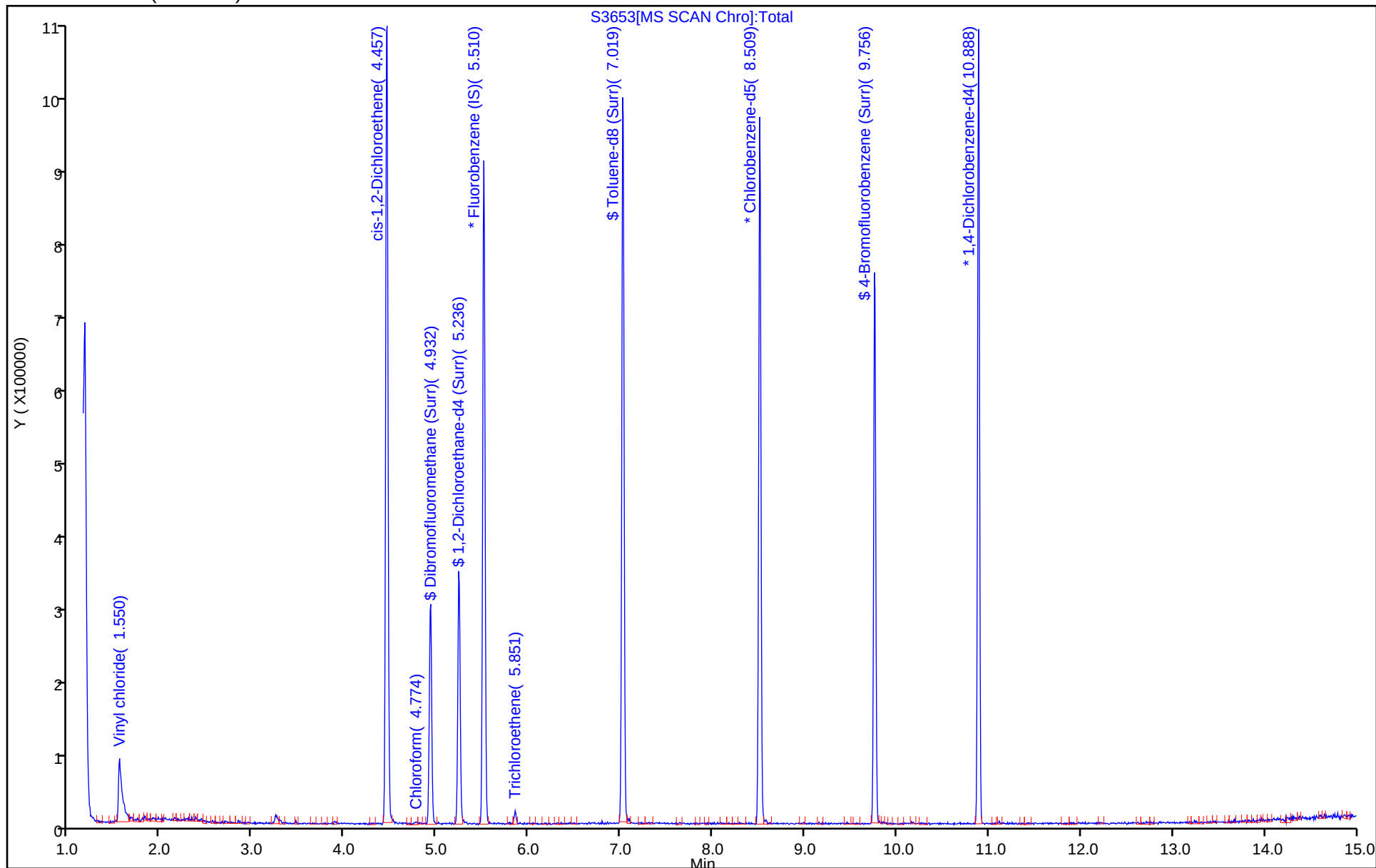
Dil. Factor: 50.0000

ALS Bottle#: 1

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S3653.D

Injection Date: 18-Jul-2018 13:44:30

Instrument ID: HP5973S

Lims ID: 480-138781-B-9

Lab Sample ID: 480-138781-9

Client ID: DPE-4

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 18

Purge Vol: 5.000 mL

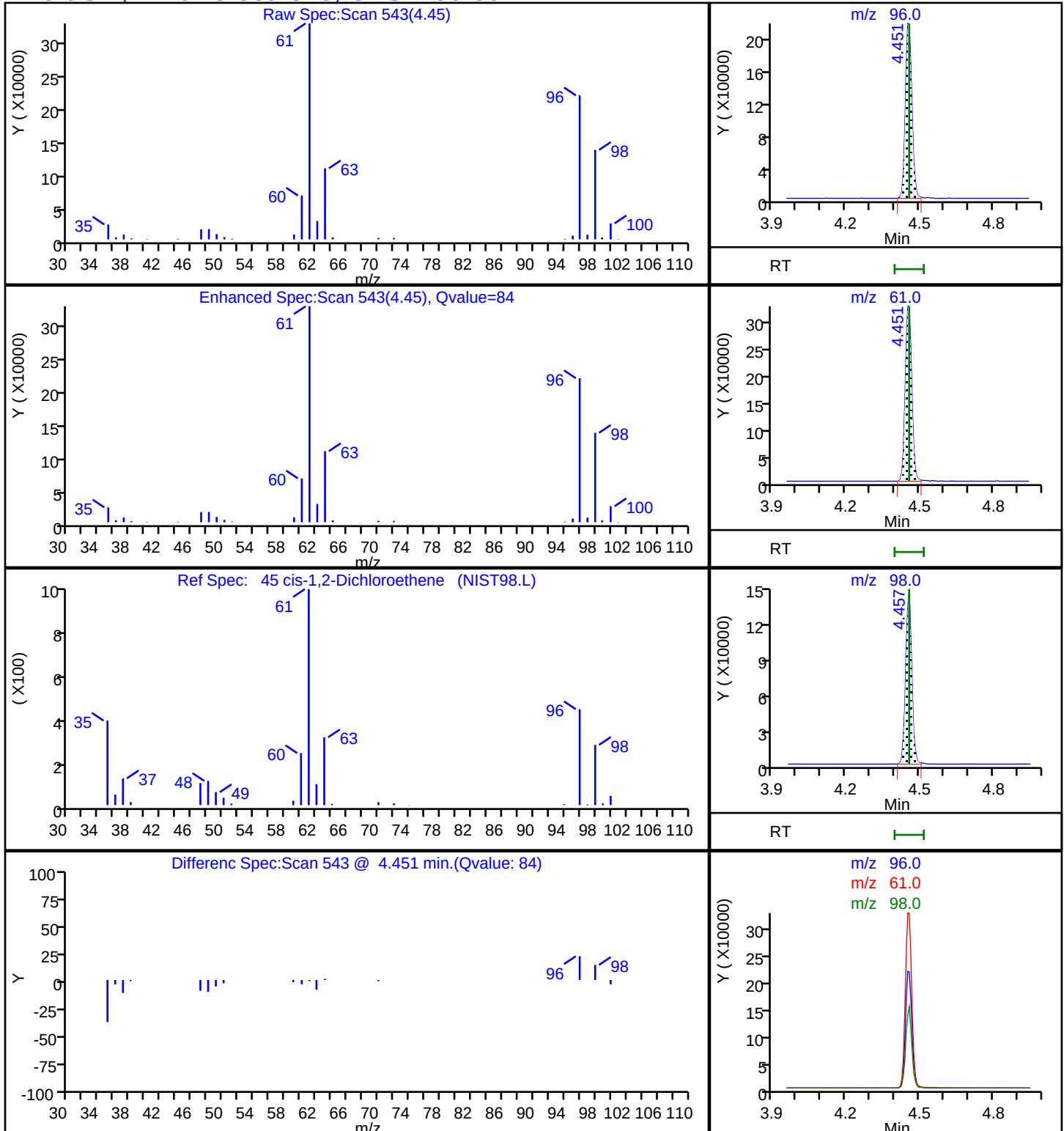
Dil. Factor: 50.0000

Method: S-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\HP5973S\20180718-73166.b\S3653.D

Injection Date: 18-Jul-2018 13:44:30

Instrument ID: HP5973S

Lims ID: 480-138781-B-9

Lab Sample ID: 480-138781-9

Client ID: DPE-4

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 18

Purge Vol: 5.000 mL

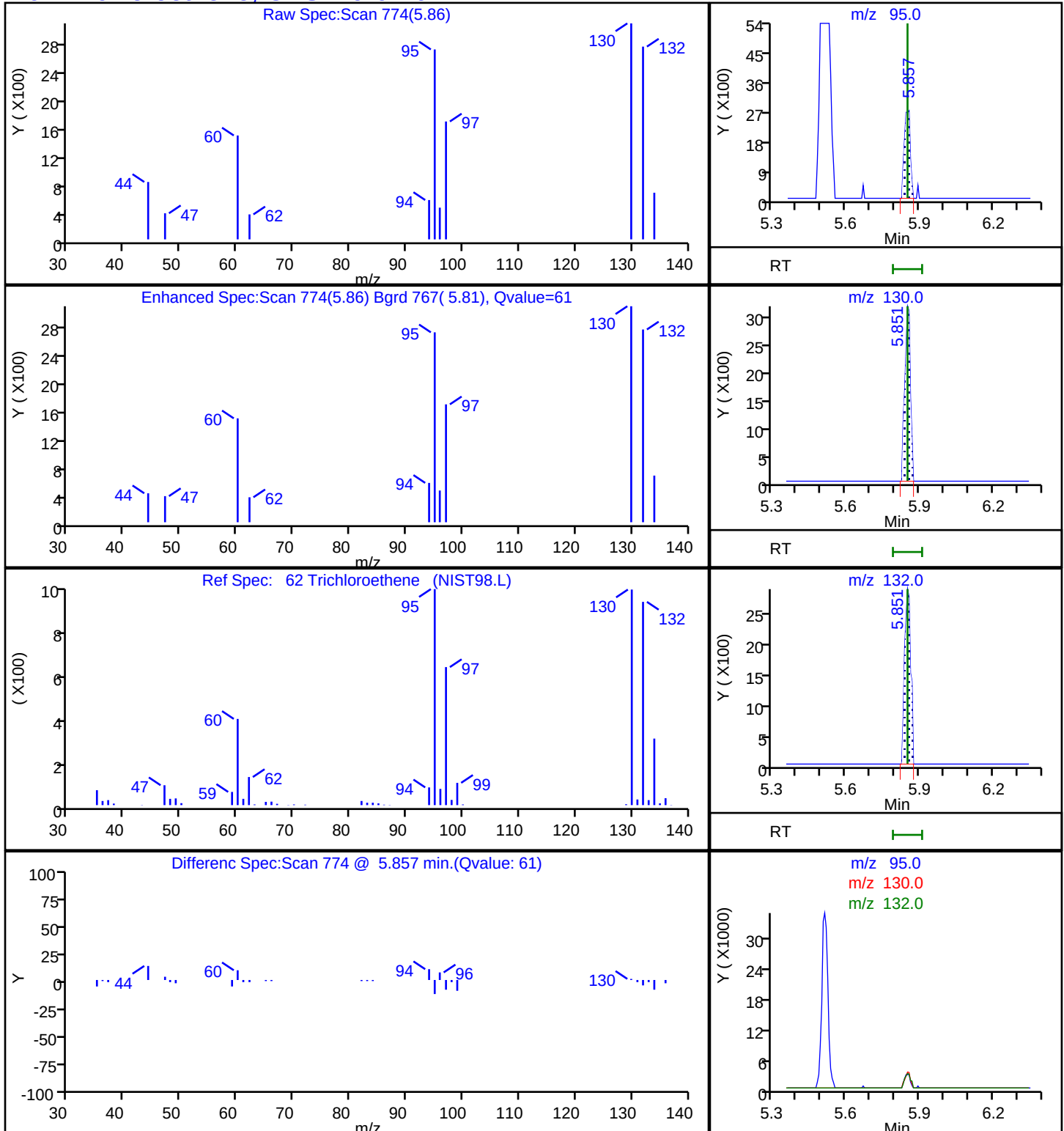
Dil. Factor: 50.0000

Method: S-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\HP5973S\20180718-73166.b\S3653.D

Injection Date: 18-Jul-2018 13:44:30

Instrument ID: HP5973S

Lims ID: 480-138781-B-9

Lab Sample ID: 480-138781-9

Client ID: DPE-4

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 18

Purge Vol: 5.000 mL

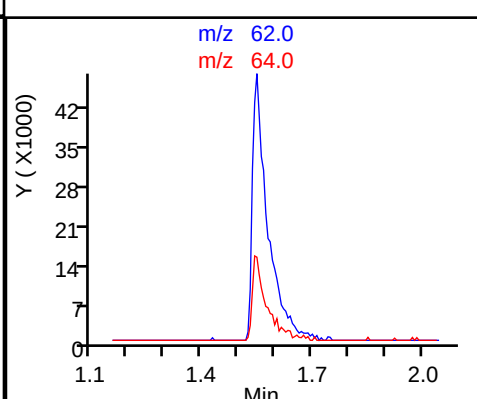
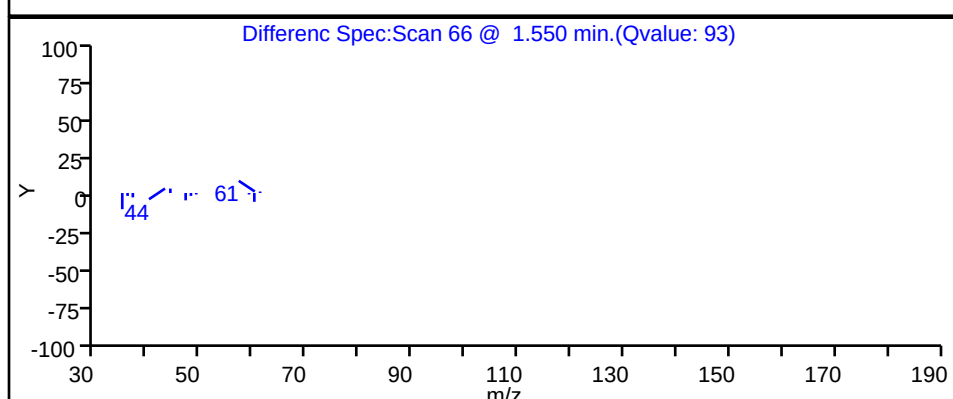
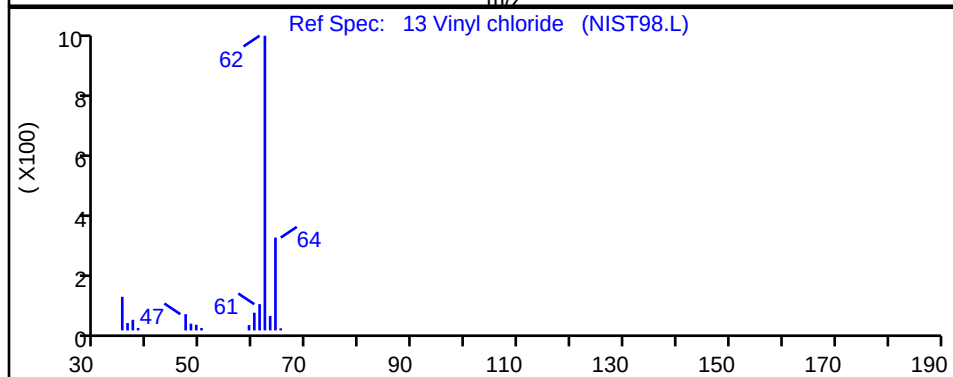
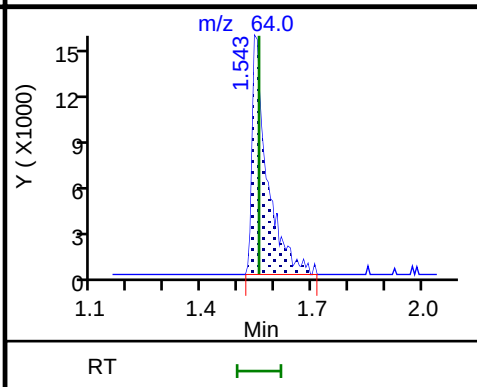
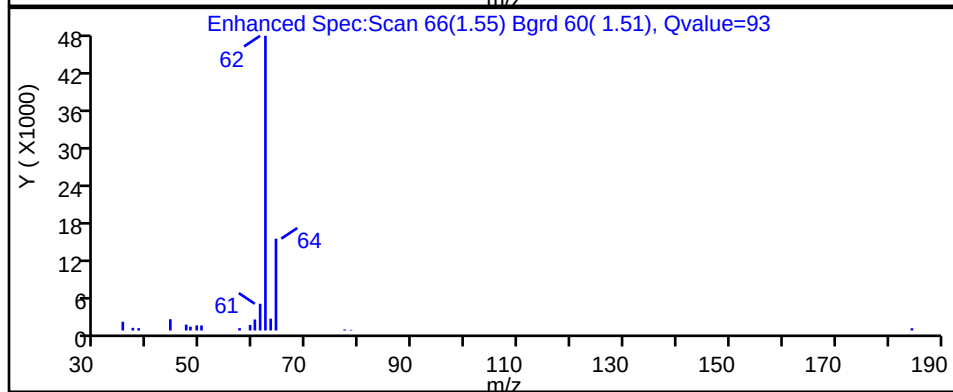
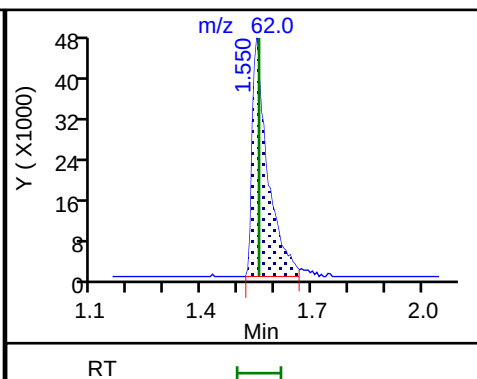
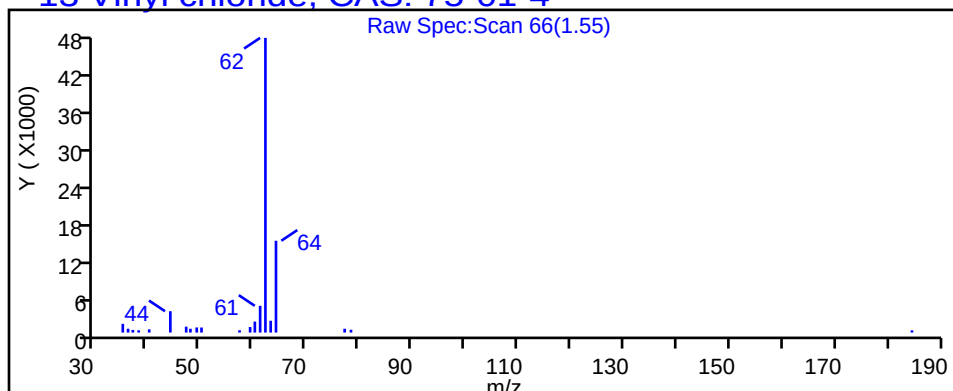
Dil. Factor: 50.0000

Method: S-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>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>DPE-5</u>	Lab Sample ID: <u>480-138781-10</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3654.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/12/2018 12:25</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/18/2018 14:08</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>50</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>424950</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		50	41
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16
79-00-5	1,1,2-Trichloroethane	ND		50	12
75-34-3	1,1-Dichloroethane	87		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	ND		500	150
71-43-2	Benzene	ND		50	21
75-27-4	Bromodichloromethane	ND		50	20
75-25-2	Bromoform	ND		50	13
74-83-9	Bromomethane	ND		50	35
75-15-0	Carbon disulfide	ND		50	9.5
56-23-5	Carbon tetrachloride	ND		50	14
108-90-7	Chlorobenzene	ND		50	38
75-00-3	Chloroethane	100		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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: DPE-5 Lab Sample ID: 480-138781-10
 Matrix: Water Lab File ID: S3654.D
 Analysis Method: 8260C Date Collected: 07/12/2018 12:25
 Sample wt/vol: 5 (mL) Date Analyzed: 07/18/2018 14:08
 Soil Aliquot Vol: _____ Dilution Factor: 50
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 424950 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	ND		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	ND		50	23
75-69-4	Trichlorofluoromethane	ND		50	44
75-01-4	Vinyl chloride	1700		50	45
1330-20-7	Xylenes, Total	ND		100	33

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
2037-26-5	Toluene-d8 (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S3654.D
 Lims ID: 480-138781-B-10
 Client ID: DPE-5
 Sample Type: Client
 Inject. Date: 18-Jul-2018 14:08:30 ALS Bottle#: 2 Worklist Smp#: 19
 Purge Vol: 5.000 mL Dil. Factor: 50.0000
 Sample Info: 480-138781-B-10
 Misc. Info.: 480-0073166-019
 Operator ID: AM Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jul-2018 16:53:29 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: carrolln

Date: 18-Jul-2018 16:58:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	128353	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	87	275580	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.894	-0.006	94	253050	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	59	156307	25.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	98	97801	24.3	
\$ 5 Toluene-d8 (Surr)	98	7.024	7.025	0.000	93	602879	22.5	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	89	197072	23.9	
10 Dichlorodifluoromethane	85		1.282				ND	
12 Chloromethane	50		1.470				ND	
13 Vinyl chloride	62	1.549	1.555	-0.006	98	292679	33.5	
14 Bromomethane	94		1.872				ND	
15 Chloroethane	64	1.969	1.969	0.000	23	10614	2.01	
17 Trichlorofluoromethane	101		2.200				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.699				ND	
22 1,1-Dichloroethene	96		2.723				ND	
23 Acetone	43		2.851				ND	
26 Carbon disulfide	76		2.924				ND	
27 Methyl acetate	43		3.149				ND	
30 Methylene Chloride	84		3.259				ND	
32 Methyl tert-butyl ether	73		3.453				ND	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	46	1497	0.2307	
39 1,1-Dichloroethane	63	3.898	3.898	0.000	60	23872	1.75	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	84	309220	41.5	
43 2-Butanone (MEK)	43		4.500				ND	
50 Chloroform	83		4.774				ND	
52 Cyclohexane	56		4.877				ND	
51 1,1,1-Trichloroethane	97		4.883				ND	
55 Carbon tetrachloride	117		5.017				ND	
57 Benzene	78		5.242				ND	
58 1,2-Dichloroethane	62		5.315				ND	
62 Trichloroethene	95		5.850				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.960				ND	
65 1,2-Dichloropropane	63		6.094				ND	
68 Dichlorobromomethane	83		6.386				ND	
72 cis-1,3-Dichloropropene	75		6.805				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.951				ND	
74 Toluene	92		7.091				ND	
77 trans-1,3-Dichloropropene	75		7.371				ND	
79 1,1,2-Trichloroethane	83		7.566				ND	
81 Tetrachloroethene	166		7.615				ND	
80 2-Hexanone	43		7.791				ND	
83 Chlorodibromomethane	129		7.961				ND	
84 Ethylene Dibromide	107		8.065				ND	
87 Chlorobenzene	112		8.539				ND	
88 Ethylbenzene	91		8.631				ND	
90 m-Xylene & p-Xylene	106		8.752				ND	
91 o-Xylene	106		9.178				ND	
92 Styrene	104		9.208				ND	
95 Bromoform	173		9.464				ND	
94 Isopropylbenzene	105		9.561				ND	
97 1,1,2,2-Tetrachloroethane	83		9.969				ND	
111 1,3-Dichlorobenzene	146		10.827				ND	
113 1,4-Dichlorobenzene	146		10.912				ND	
116 1,2-Dichlorobenzene	146		11.265				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995				ND	
119 1,2,4-Trichlorobenzene	180		12.664				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00294	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00276	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180718-73166.b\\S3654.D

Injection Date: 18-Jul-2018 14:08:30

Instrument ID: HP5973S

Operator ID: AM

Lims ID: 480-138781-B-10

Lab Sample ID: 480-138781-10

Worklist Smp#: 19

Client ID: DPE-5

Purge Vol: 5.000 mL

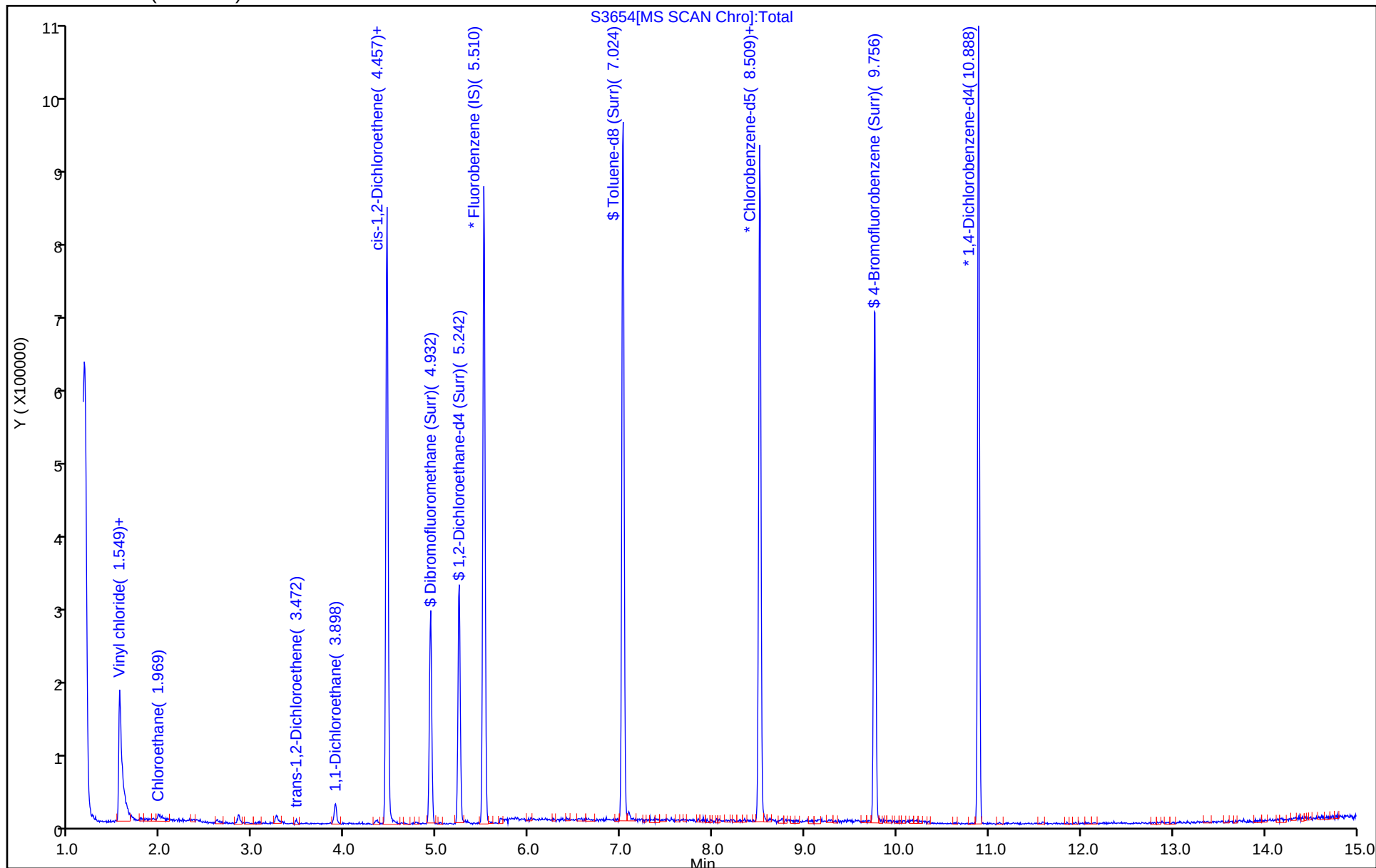
Dil. Factor: 50.0000

ALS Bottle#: 2

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S3654.D

Injection Date: 18-Jul-2018 14:08:30

Instrument ID: HP5973S

Lims ID: 480-138781-B-10

Lab Sample ID: 480-138781-10

Client ID: DPE-5

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 19

Purge Vol: 5.000 mL

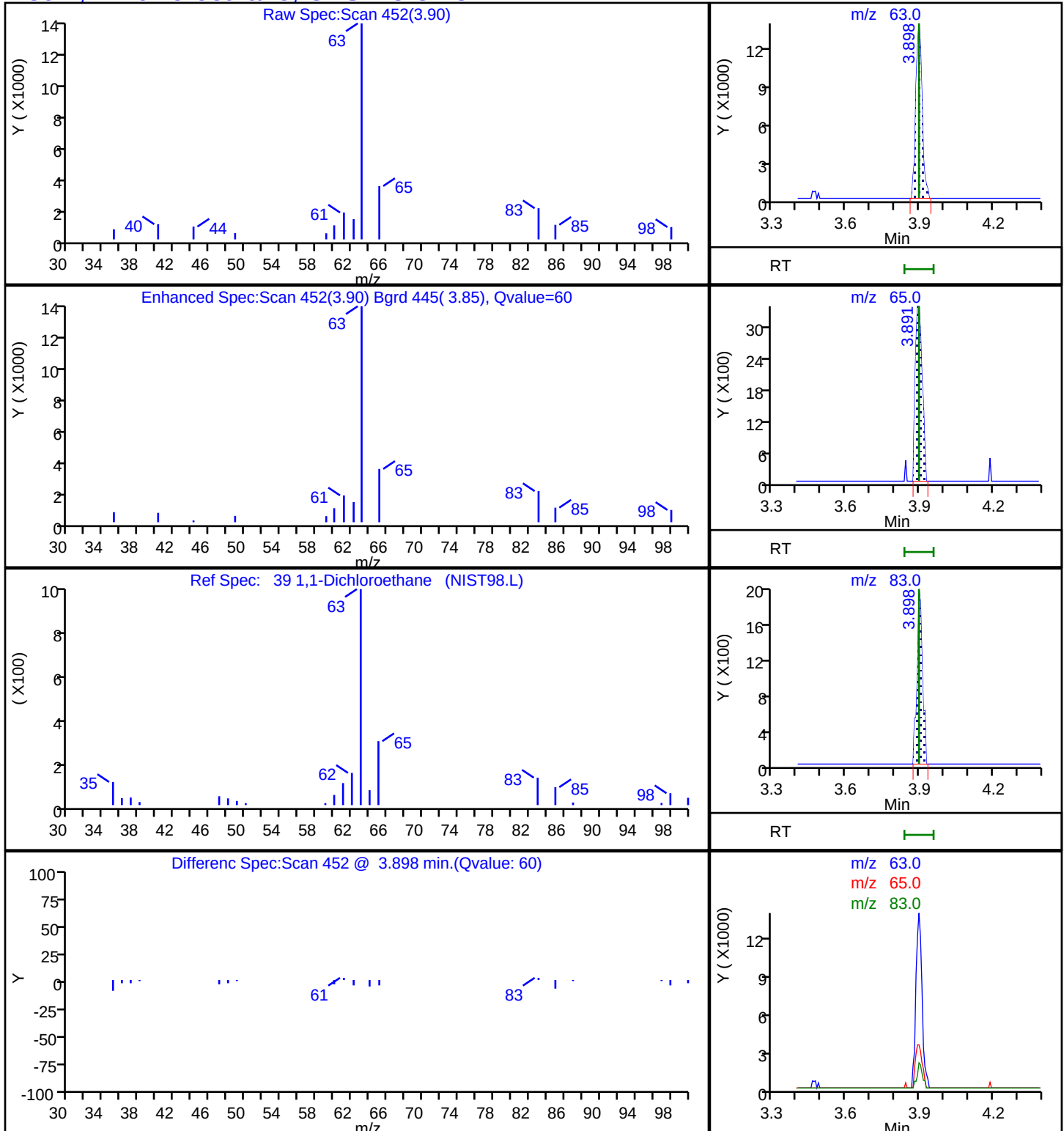
Dil. Factor: 50.0000

Method: S-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\HP5973S\20180718-73166.b\S3654.D

Injection Date: 18-Jul-2018 14:08:30

Instrument ID: HP5973S

Lims ID: 480-138781-B-10

Lab Sample ID: 480-138781-10

Client ID: DPE-5

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 19

Purge Vol: 5.000 mL

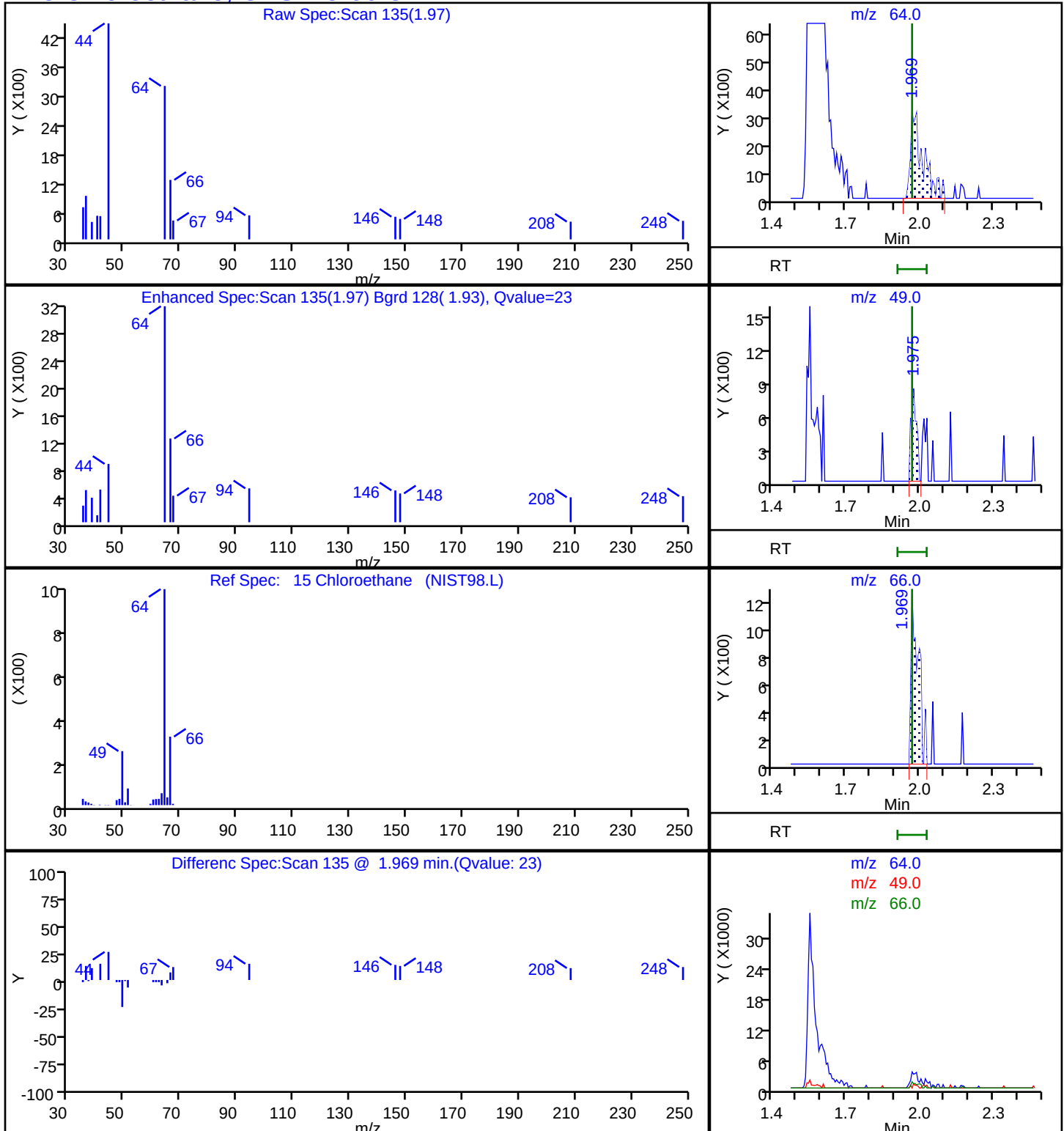
Dil. Factor: 50.0000

Method: S-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\HP5973S\20180718-73166.b\S3654.D

Injection Date: 18-Jul-2018 14:08:30

Instrument ID: HP5973S

Lims ID: 480-138781-B-10

Lab Sample ID: 480-138781-10

Client ID: DPE-5

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 19

Purge Vol: 5.000 mL

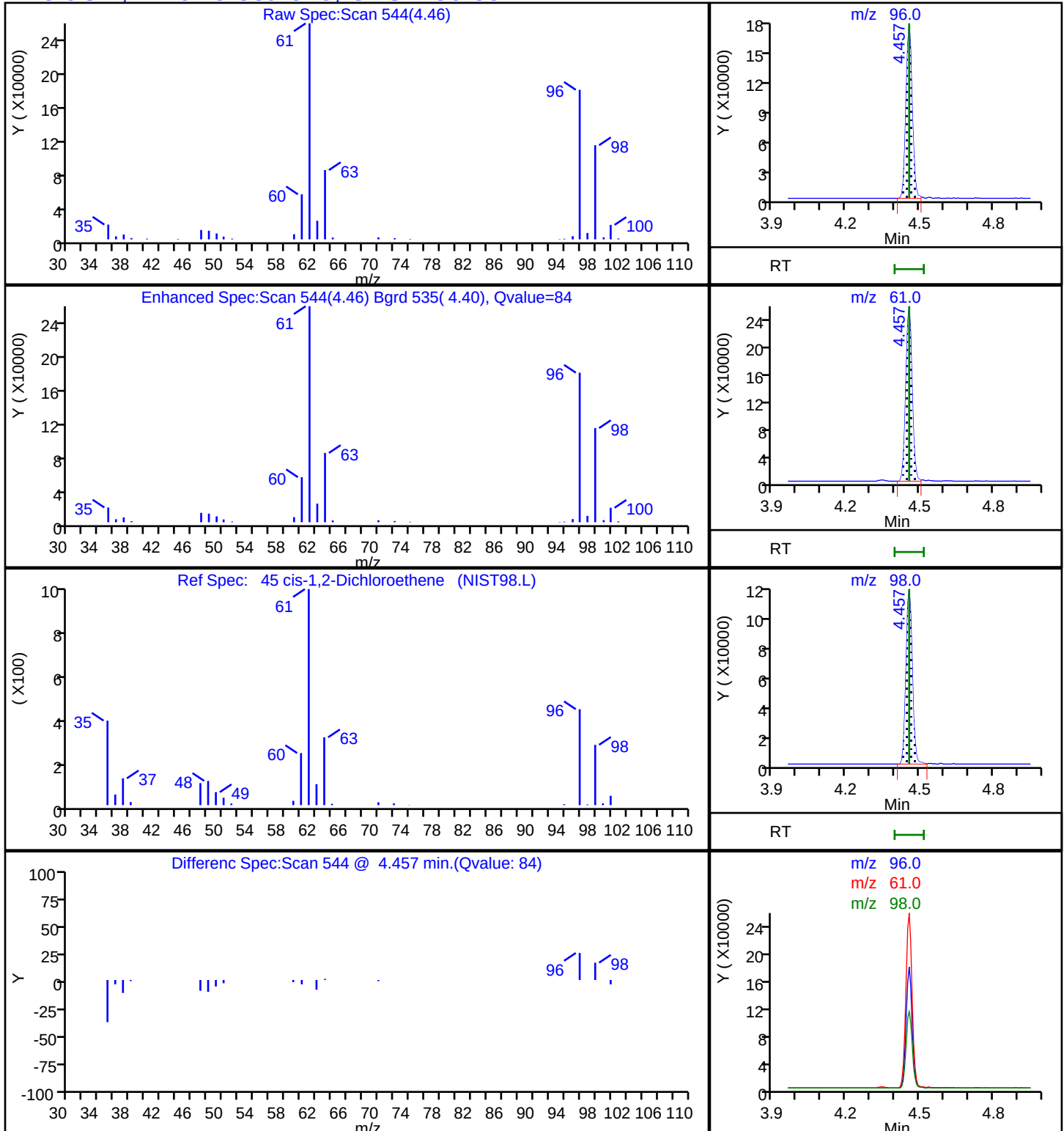
Dil. Factor: 50.0000

Method: S-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\HP5973S\20180718-73166.b\S3654.D

Injection Date: 18-Jul-2018 14:08:30

Instrument ID: HP5973S

Lims ID: 480-138781-B-10

Lab Sample ID: 480-138781-10

Client ID: DPE-5

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 19

Purge Vol: 5.000 mL

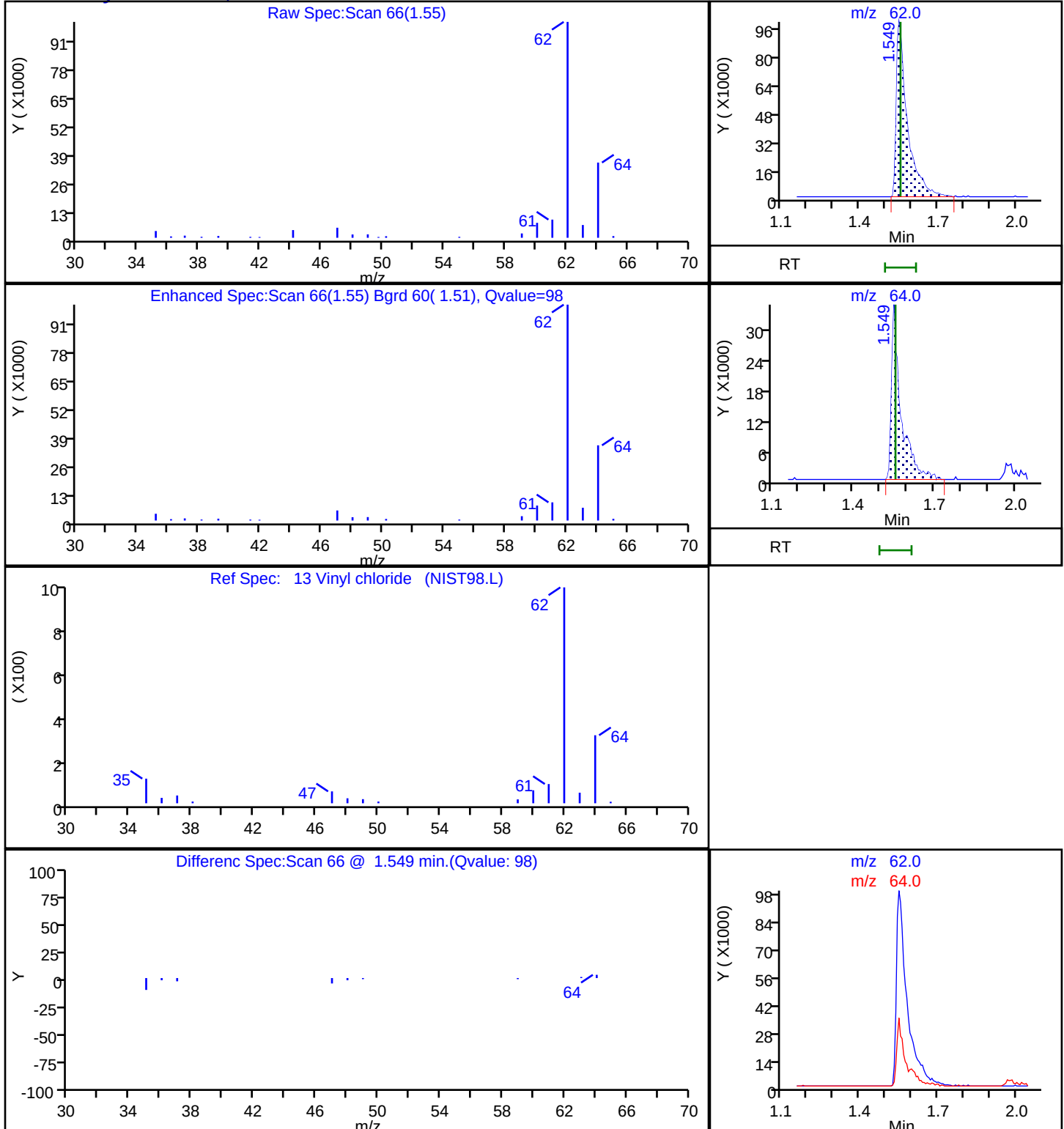
Dil. Factor: 50.0000

Method: S-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>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>DPE-7</u>	Lab Sample ID: <u>480-138781-11</u>
Matrix: <u>Water</u>	Lab File ID: <u>N1564.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/12/2018 12:50</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/17/2018 13:19</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>424746</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	28		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)	50	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	37	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	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	320		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.: 480-138781-1

SDG No.: _____

Client Sample ID: DPE-7 Lab Sample ID: 480-138781-11

Matrix: Water Lab File ID: N1564.D

Analysis Method: 8260C Date Collected: 07/12/2018 12:50

Sample wt/vol: 5 (mL) Date Analyzed: 07/17/2018 13:19

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.: 424746 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	130		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)	105		73-120
2037-26-5	Toluene-d8 (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1564.D
 Lims ID: 480-138781-A-11
 Client ID: DPE-7
 Sample Type: Client
 Inject. Date: 17-Jul-2018 13:19:30 ALS Bottle#: 5 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-138781-A-11
 Misc. Info.: 480-0073134-013
 Operator ID: AM Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jul-2018 10:25:22 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK008

First Level Reviewer: moffata

Date: 18-Jul-2018 10:25:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	200948	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.345	-0.007	89	838453	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.742	-0.001	96	414899	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	0.000	93	297098	25.9	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	405788	28.4	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.861	0.000	95	1003440	22.7	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.591	0.000	95	362027	26.2	
11 Dichlorodifluoromethane	85		1.300				ND	
13 Chloromethane	50		1.470				ND	
14 Vinyl chloride	62	1.549	1.549	0.000	98	177226	12.7	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64	1.945	1.939	0.006	95	226696	32.1	
18 Trichlorofluoromethane	101		2.152				ND	
22 1,1-Dichloroethene	96		2.638				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43	2.742	2.748	0.006	77	14996	3.72	
25 Carbon disulfide	76		2.833				ND	
28 Methyl acetate	43		3.034				ND	
30 Methylene Chloride	84		3.125				ND	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96		3.362				ND	
36 1,1-Dichloroethane	63	3.764	3.764	0.000	96	66085	2.85	
43 cis-1,2-Dichloroethene	96	4.311	4.311	0.000	86	7693	0.5679	
44 2-Butanone (MEK)	43	4.354	4.336	0.018	96	37078	5.02	
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.767				ND	
53 Carbon tetrachloride	117		4.889				ND	
55 Benzene	78		5.096				ND	
57 1,2-Dichloroethane	62		5.145				ND	
60 Trichloroethene	95		5.704				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.844				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	U
73 Toluene	92		6.933				ND	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.469				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.773				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.275				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.780				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.113				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180717-73134.b\\N1564.D

Injection Date: 17-Jul-2018 13:19:30

Instrument ID: HP5973N

Operator ID: AM

Lims ID: 480-138781-A-11

Lab Sample ID: 480-138781-11

Worklist Smp#: 13

Client ID: DPE-7

Purge Vol: 5.000 mL

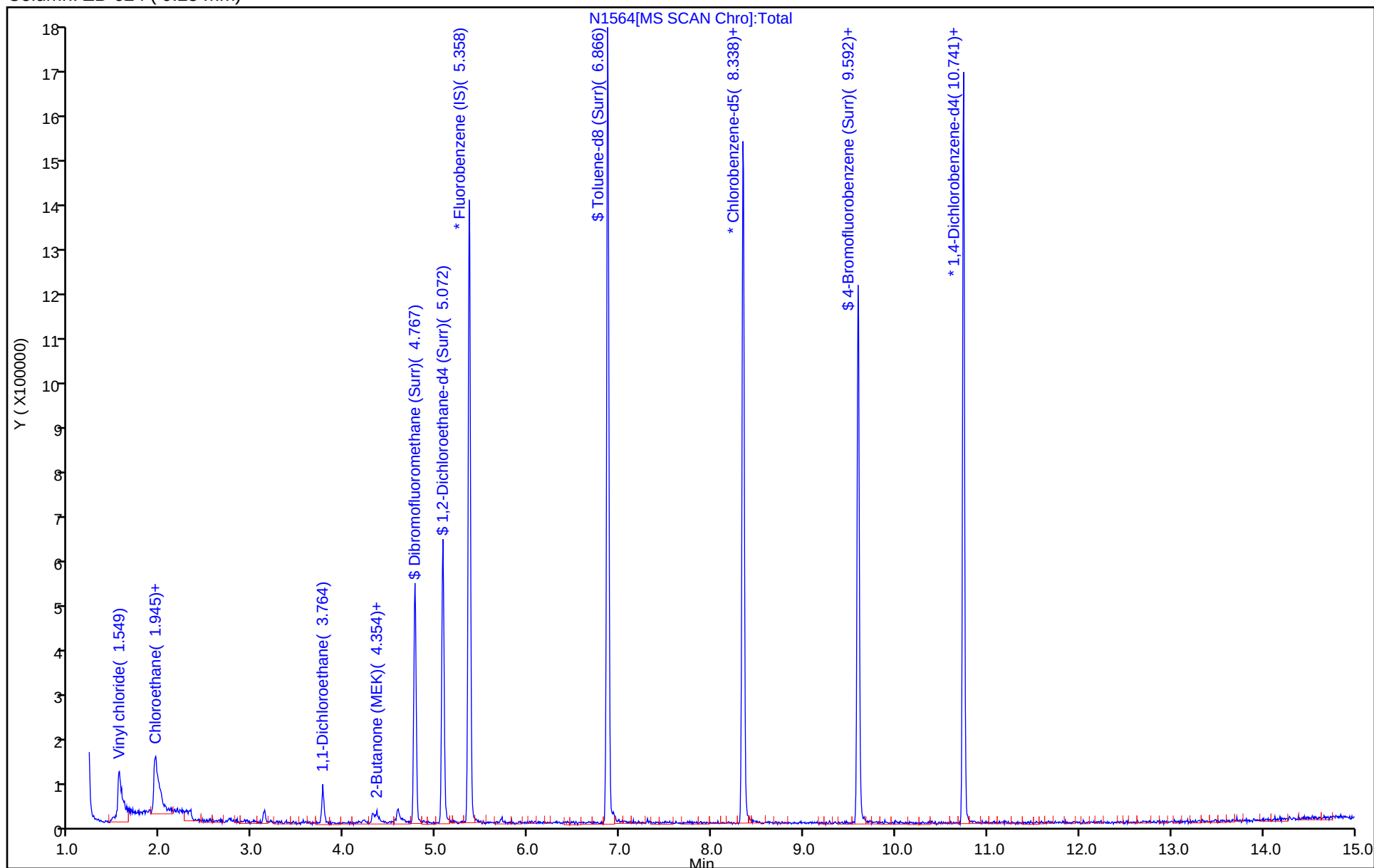
Dil. Factor: 10.0000

ALS Bottle#: 5

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1564.D

Injection Date: 17-Jul-2018 13:19:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-11

Lab Sample ID: 480-138781-11

Client ID: DPE-7

Operator ID: AM

ALS Bottle#: 5

Worklist Smp#: 13

Purge Vol: 5.000 mL

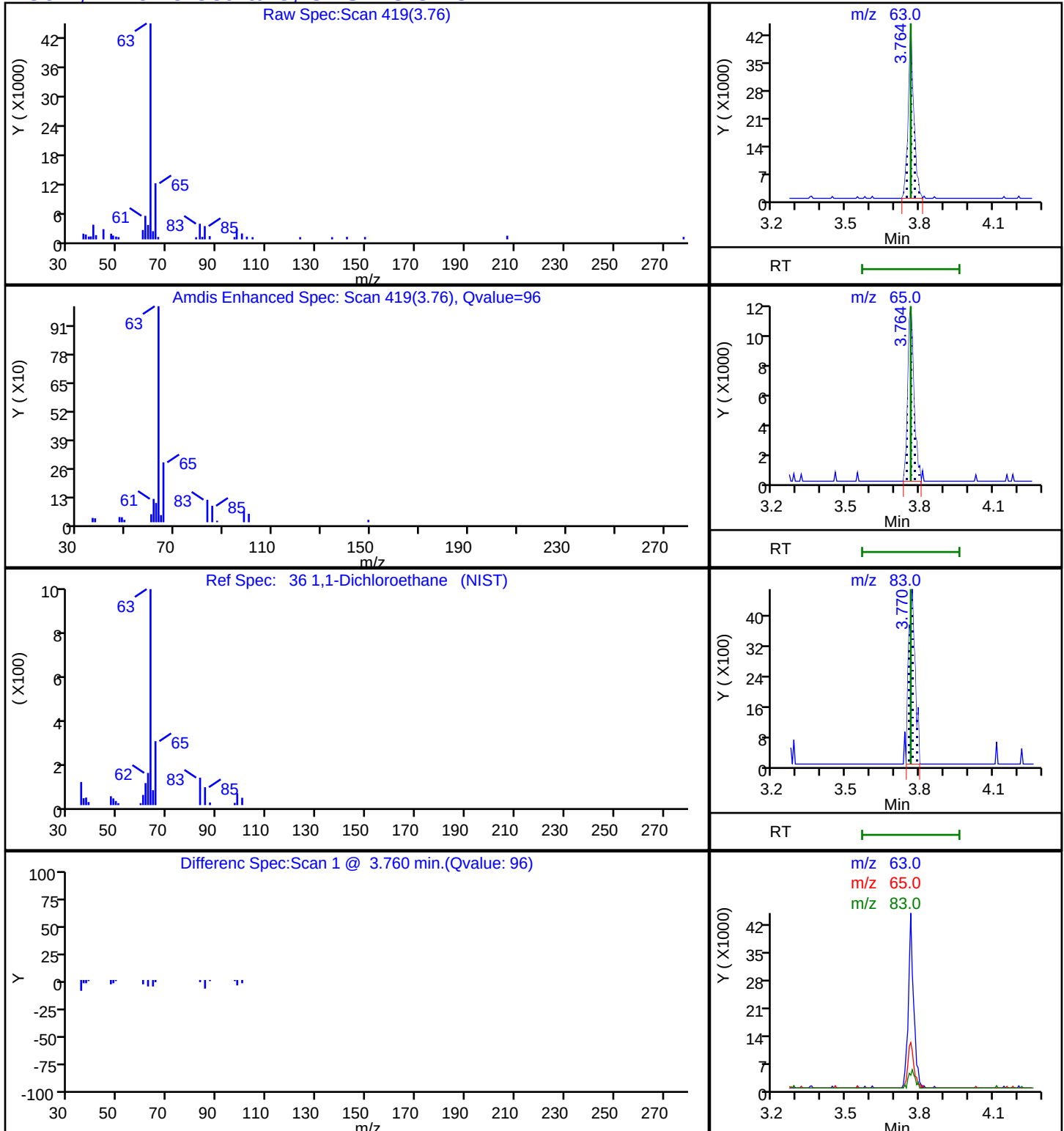
Dil. Factor: 10.0000

Method: N-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\HP5973N\20180717-73134.b\N1564.D

Injection Date: 17-Jul-2018 13:19:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-11

Lab Sample ID: 480-138781-11

Client ID: DPE-7

Operator ID: AM

ALS Bottle#: 5

Worklist Smp#: 13

Purge Vol: 5.000 mL

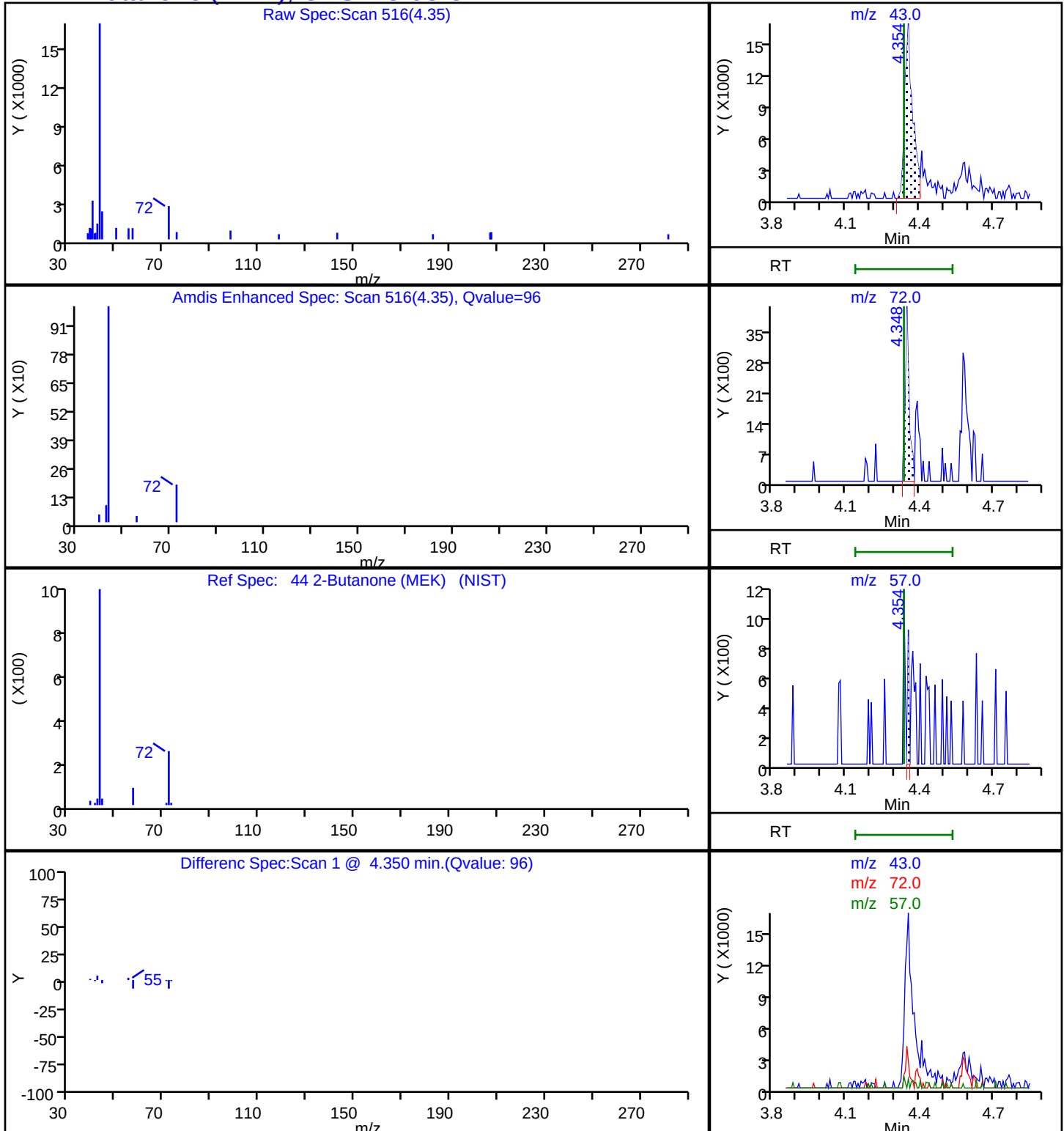
Dil. Factor: 10.0000

Method: N-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\HP5973N\20180717-73134.b\N1564.D

Injection Date: 17-Jul-2018 13:19:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-11

Lab Sample ID: 480-138781-11

Client ID: DPE-7

Operator ID: AM

ALS Bottle#: 5

Worklist Smp#: 13

Purge Vol: 5.000 mL

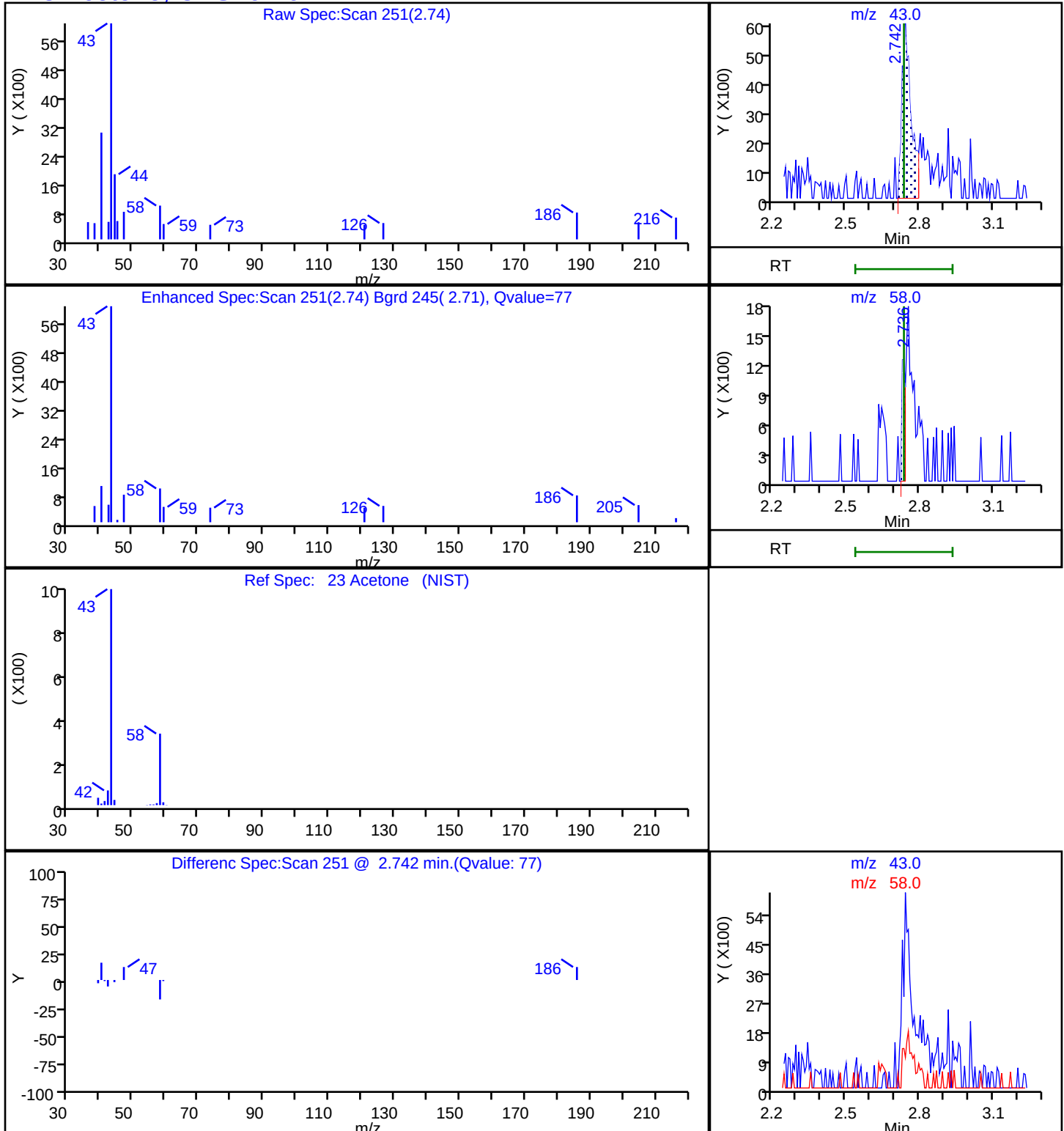
Dil. Factor: 10.0000

Method: N-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\HP5973N\20180717-73134.b\N1564.D

Injection Date: 17-Jul-2018 13:19:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-11

Lab Sample ID: 480-138781-11

Client ID: DPE-7

Operator ID: AM

ALS Bottle#:

5

Worklist Smp#: 13

Purge Vol: 5.000 mL

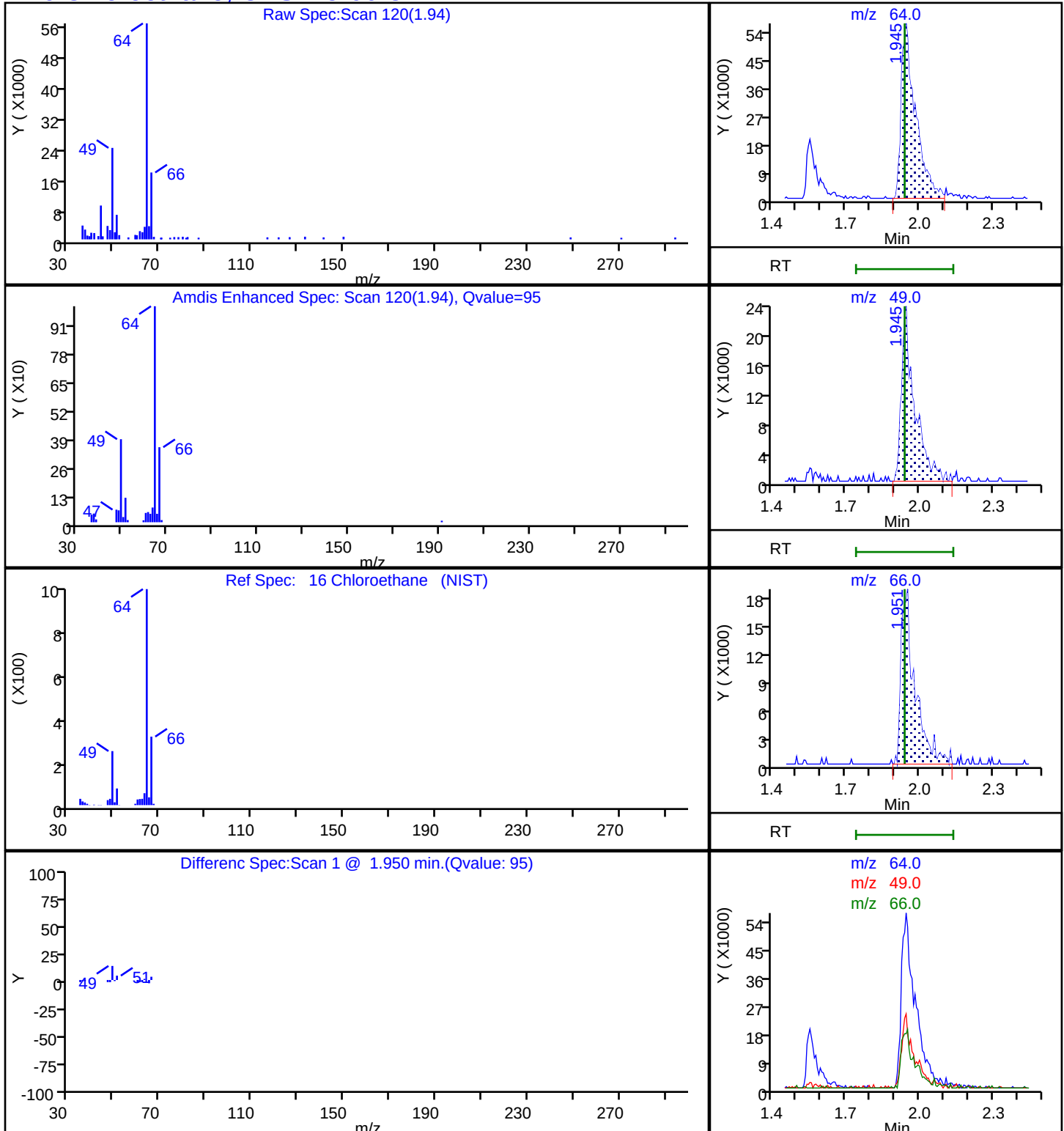
Dil. Factor: 10.0000

Method: N-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\HP5973N\20180717-73134.b\N1564.D

Injection Date: 17-Jul-2018 13:19:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-11

Lab Sample ID: 480-138781-11

Client ID: DPE-7

Operator ID: AM

ALS Bottle#: 5

Worklist Smp#: 13

Purge Vol: 5.000 mL

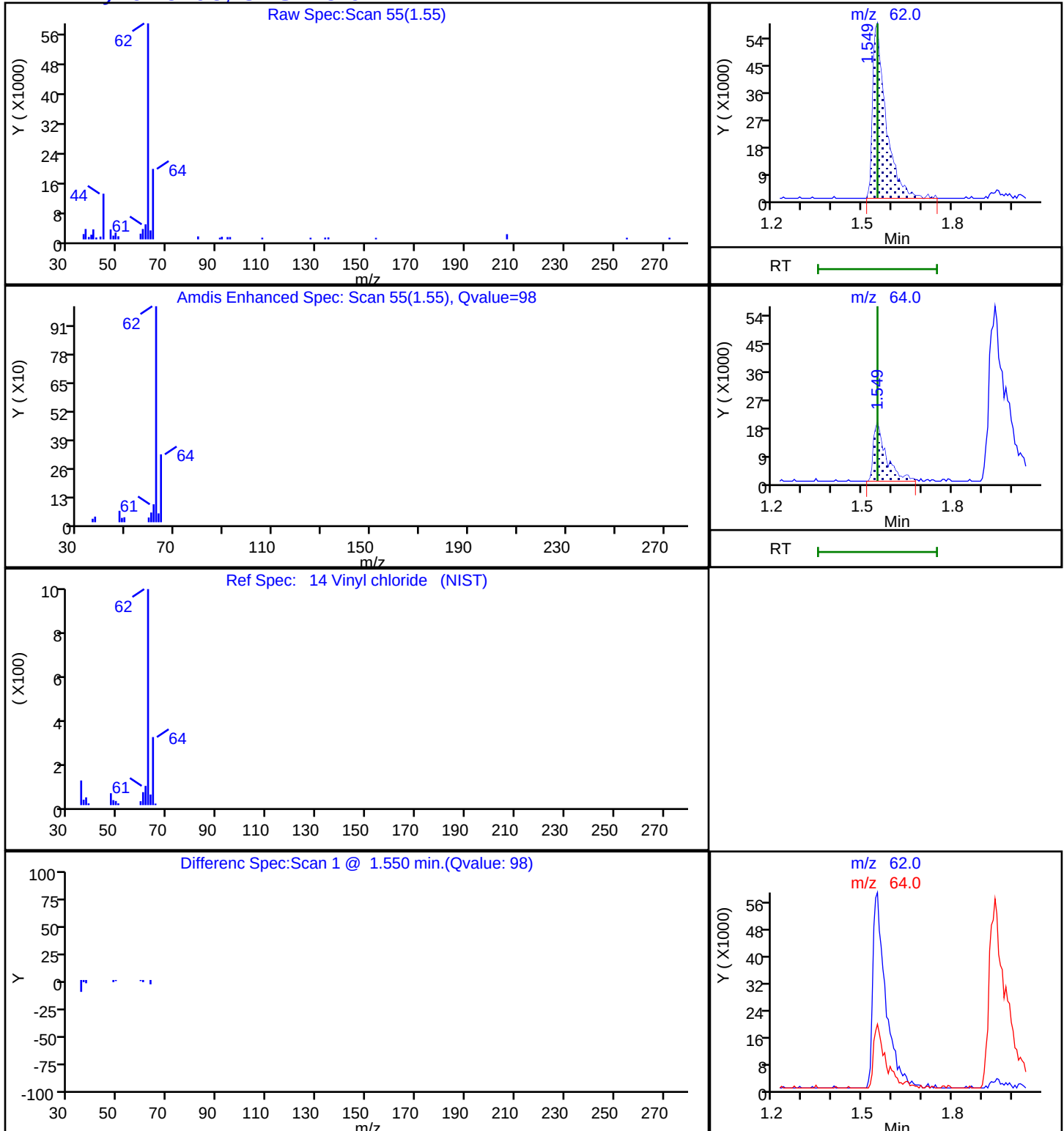
Dil. Factor: 10.0000

Method: N-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\HP5973N\20180717-73134.b\N1564.D

Injection Date: 17-Jul-2018 13:19:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-11

Lab Sample ID: 480-138781-11

Client ID: DPE-7

Operator ID: AM

ALS Bottle#:

5

Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

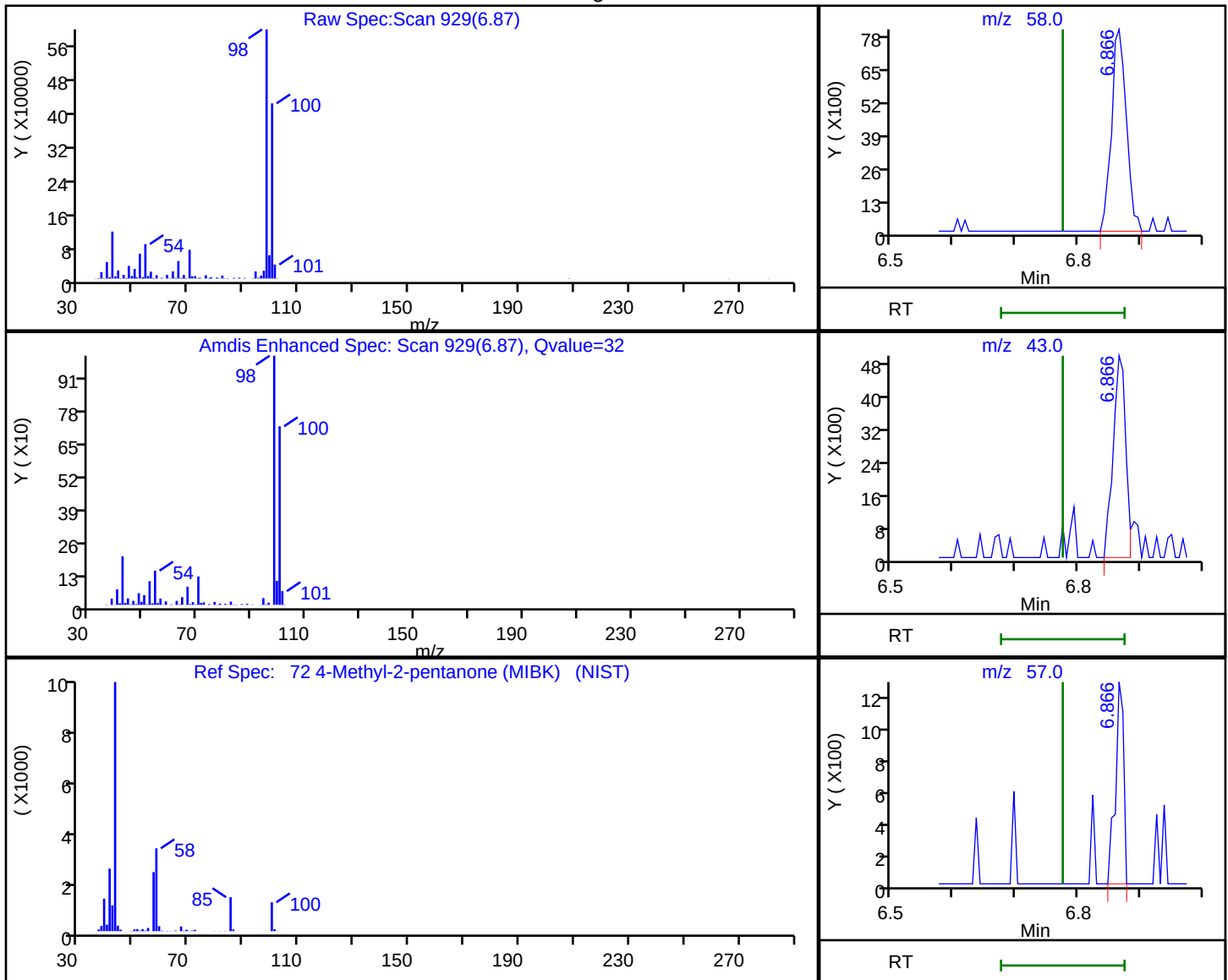
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.87	58.00	13464	2.009660
6.87	43.00	7029	
6.87	57.00	1138	

Reviewer: moffata, 18-Jul-2018 10:25:13

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-11</u>	Lab Sample ID: <u>480-138781-12</u>
Matrix: <u>Water</u>	Lab File ID: <u>N1565.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/12/2018 14:55</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/17/2018 13:46</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>424746</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	0.68	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	3.2	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	1.6		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.: 480-138781-1

SDG No.: _____

Client Sample ID: MW-11 Lab Sample ID: 480-138781-12

Matrix: Water Lab File ID: N1565.D

Analysis Method: 8260C Date Collected: 07/12/2018 14:55

Sample wt/vol: 5 (mL) Date Analyzed: 07/17/2018 13:46

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 424746 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	1.6		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)	115		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
2037-26-5	Toluene-d8 (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	108		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1565.D
 Lims ID: 480-138781-A-12
 Client ID: MW-11
 Sample Type: Client
 Inject. Date: 17-Jul-2018 13:46:30 ALS Bottle#: 6 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138781-A-12
 Misc. Info.: 480-0073134-014
 Operator ID: AM Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jul-2018 10:25:43 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK008

First Level Reviewer: moffata

Date: 18-Jul-2018 10:25:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.357	5.358	-0.001	98	195898	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.345	-0.007	89	813736	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.742	-0.001	96	399459	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	0.000	93	303561	27.1	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	400788	28.7	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.861	0.000	95	995512	23.2	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.591	-0.006	94	349558	26.1	
11 Dichlorodifluoromethane	85		1.300				ND	
13 Chloromethane	50		1.470				ND	
14 Vinyl chloride	62	1.543	1.549	-0.006	96	21175	1.55	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64		1.939				ND	U
18 Trichlorofluoromethane	101		2.152				ND	
22 1,1-Dichloroethene	96		2.638				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43	2.742	2.748	0.006	71	12697	3.23	
25 Carbon disulfide	76		2.833				ND	
28 Methyl acetate	43		3.034				ND	
30 Methylene Chloride	84		3.125				ND	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96		3.362				ND	
36 1,1-Dichloroethane	63	3.764	3.764	0.000	94	15317	0.6767	
43 cis-1,2-Dichloroethene	96	4.311	4.311	0.000	87	20969	1.59	
44 2-Butanone (MEK)	43		4.336				ND	
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.767				ND	
53 Carbon tetrachloride	117		4.889				ND	
55 Benzene	78		5.096				ND	
57 1,2-Dichloroethane	62		5.145				ND	
60 Trichloroethene	95		5.704				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.844				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	
73 Toluene	92		6.933				ND	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.469				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.773				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.275				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.780				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.113				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180717-73134.b\\N1565.D

Injection Date: 17-Jul-2018 13:46:30

Instrument ID: HP5973N

Operator ID: AM

Lims ID: 480-138781-A-12

Lab Sample ID: 480-138781-12

Worklist Smp#: 14

Client ID: MW-11

Purge Vol: 5.000 mL

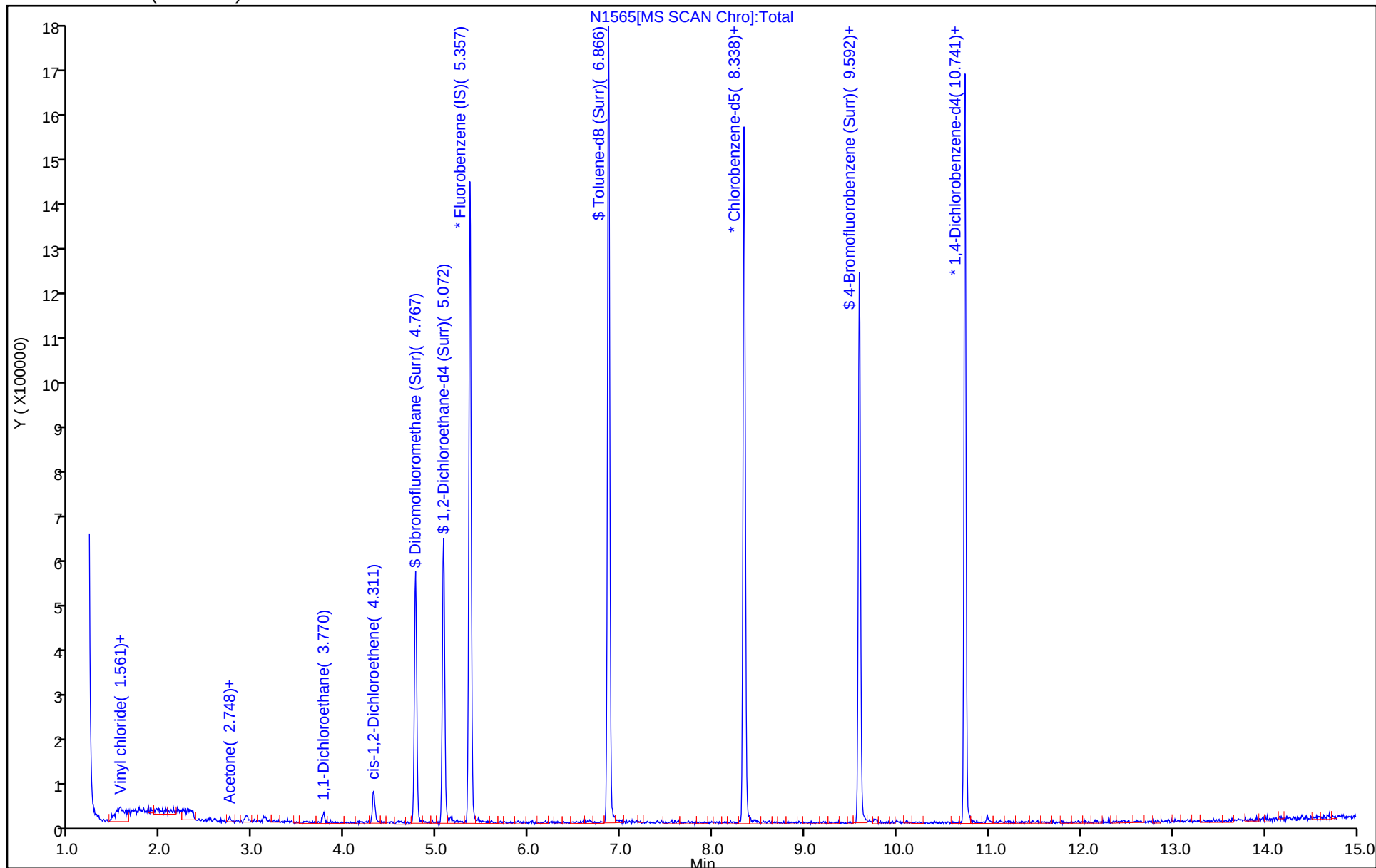
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Detector MS SCAN

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1565.D

Injection Date: 17-Jul-2018 13:46:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-12

Lab Sample ID: 480-138781-12

Client ID: MW-11

Operator ID: AM

ALS Bottle#: 6

Worklist Smp#: 14

Purge Vol: 5.000 mL

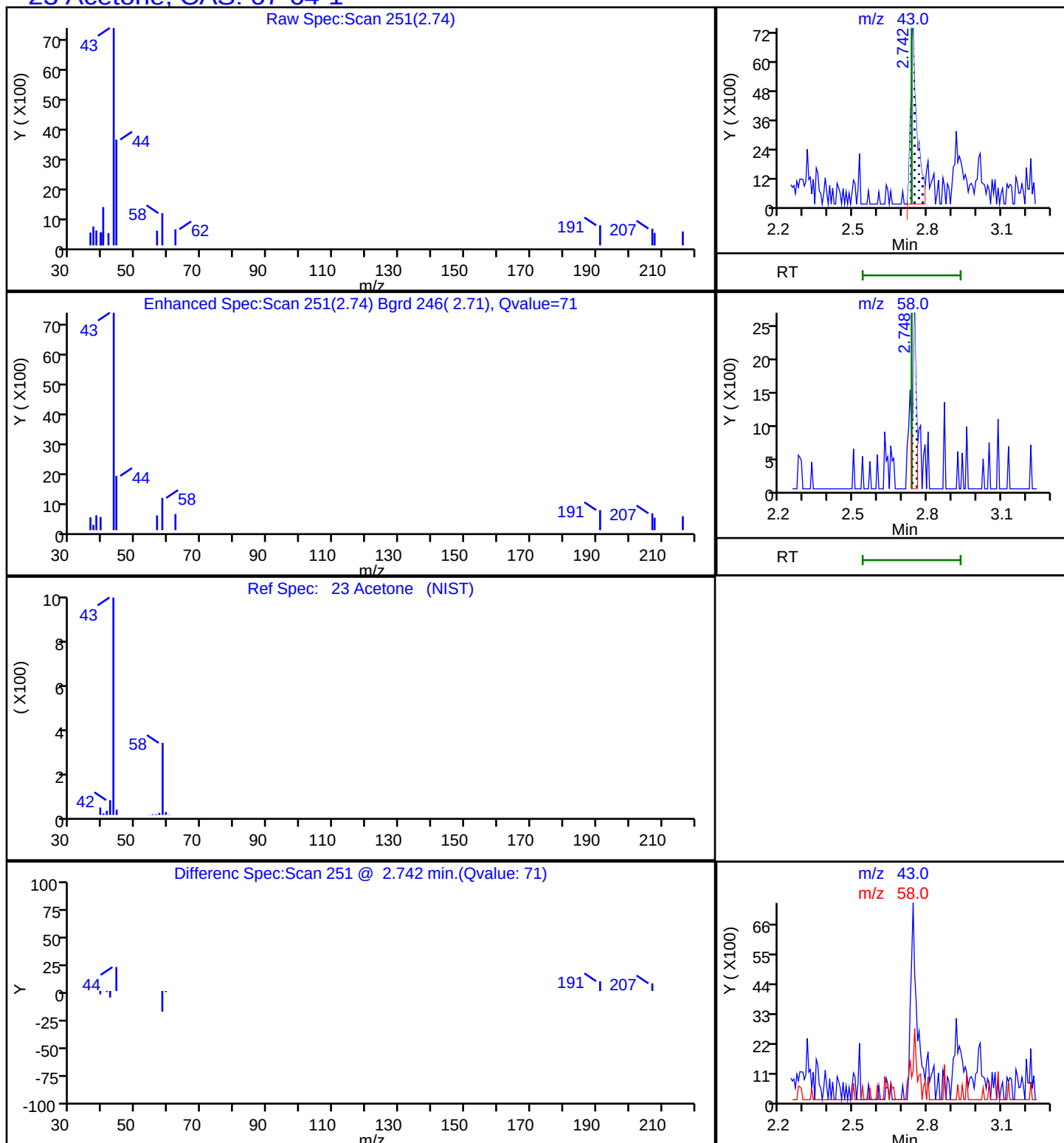
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180717-73134.b\N1565.D

Injection Date: 17-Jul-2018 13:46:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-12

Lab Sample ID: 480-138781-12

Client ID: MW-11

Operator ID: AM

ALS Bottle#: 6

Worklist Smp#: 14

Purge Vol: 5.000 mL

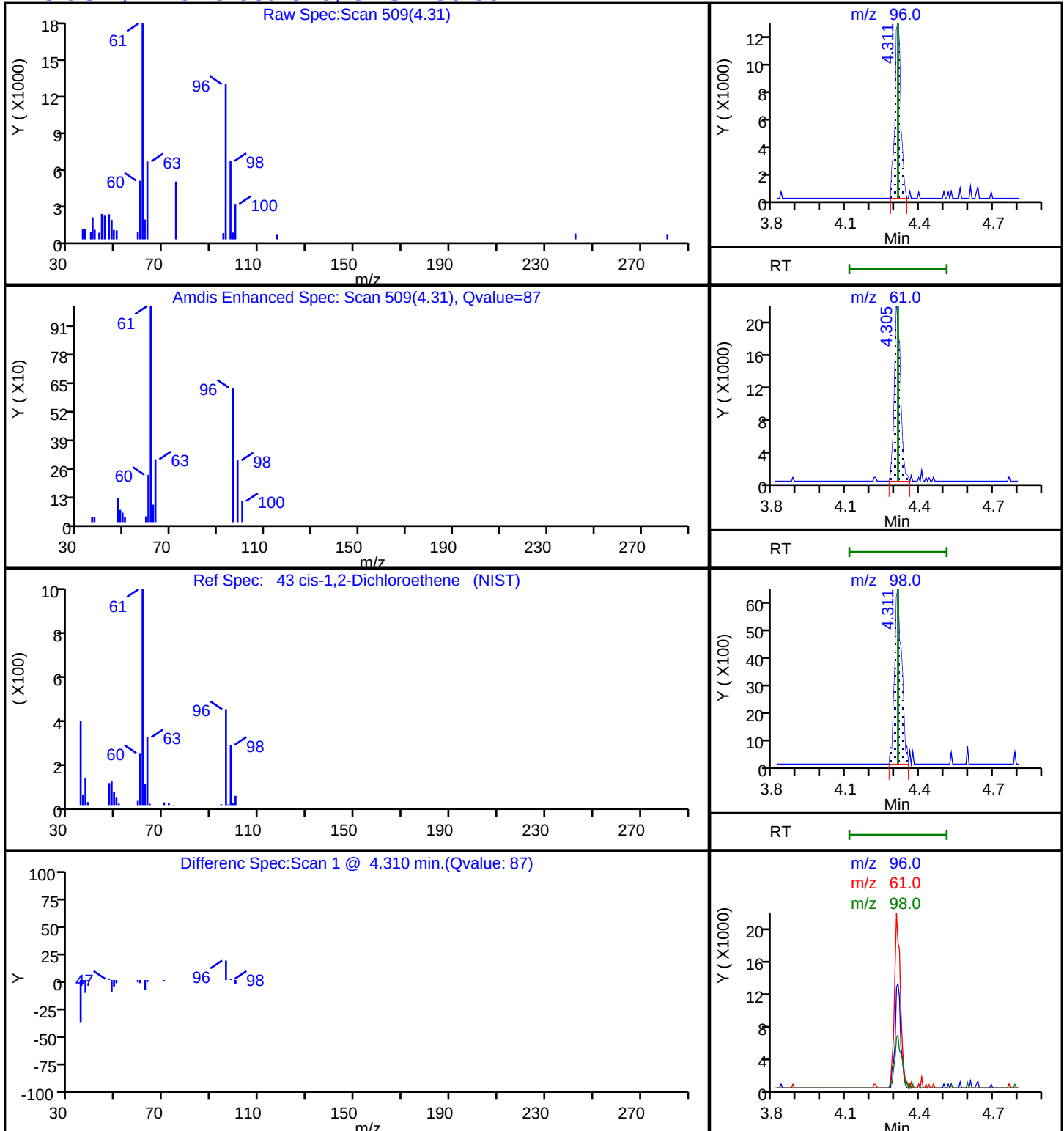
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180717-73134.b\N1565.D

Injection Date: 17-Jul-2018 13:46:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-12

Lab Sample ID: 480-138781-12

Client ID: MW-11

Operator ID: AM

ALS Bottle#: 6

Worklist Smp#: 14

Purge Vol: 5.000 mL

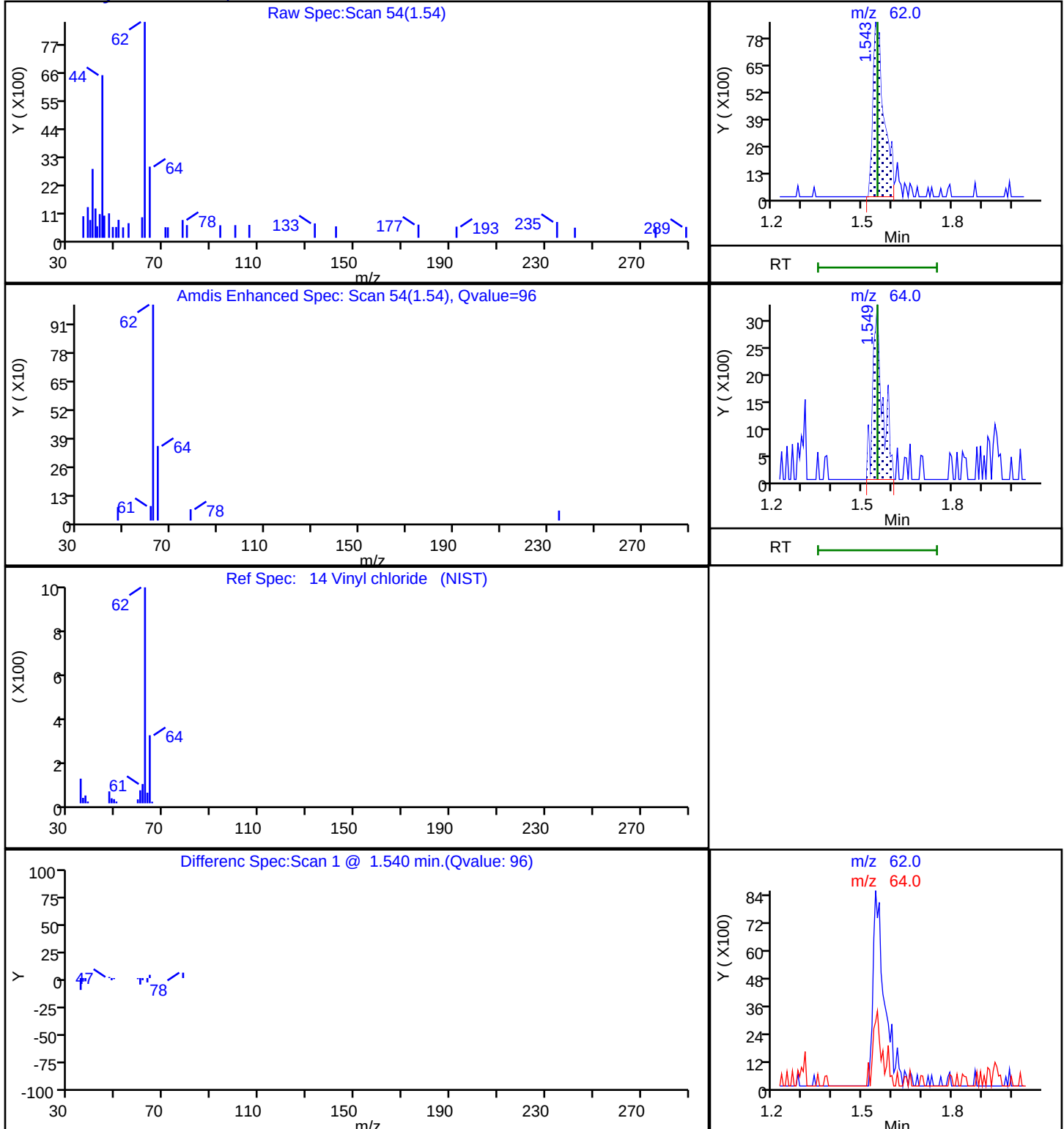
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180717-73134.b\N1565.D

Injection Date: 17-Jul-2018 13:46:30

Instrument ID: HP5973N

Lims ID: 480-138781-A-12

Lab Sample ID: 480-138781-12

Client ID: MW-11

Operator ID: AM

ALS Bottle#: 6 Worklist Smp#: 14

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

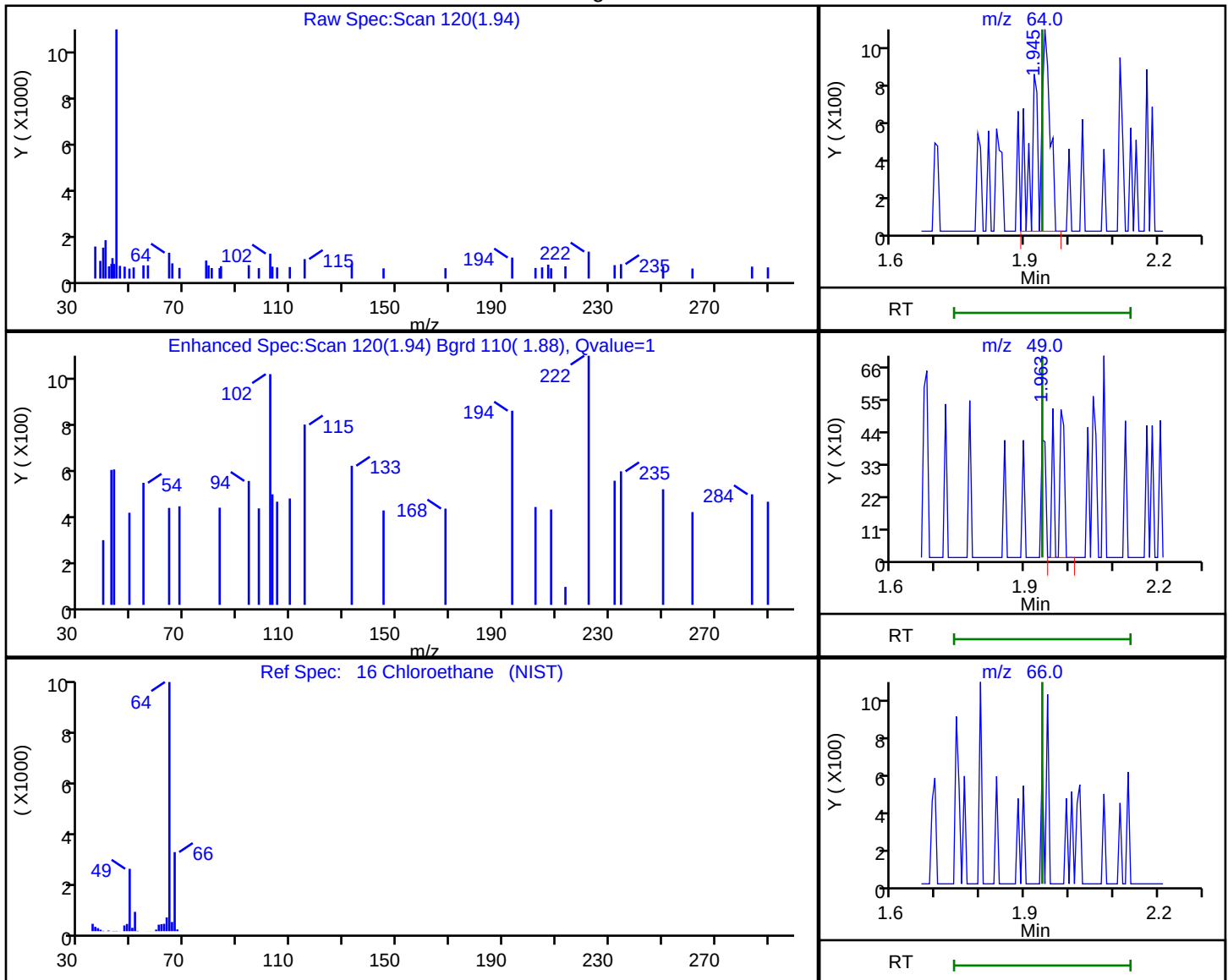
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.94	64.00	2214	0.321884
1.96	49.00	541	
1.94	66.00	0	

Reviewer: moffata, 18-Jul-2018 10:25:30

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-2</u>	Lab Sample ID: <u>480-138931-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>N1709.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/13/2018 08:45</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/22/2018 01:31</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>425702</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	1.2		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.: 480-138781-1

SDG No.: _____

Client Sample ID: MW-2 Lab Sample ID: 480-138931-1

Matrix: Water Lab File ID: N1709.D

Analysis Method: 8260C Date Collected: 07/13/2018 08:45

Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 01:31

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 425702 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)	103		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\HP5973N\20180721-73271.b\N1709.D
 Lims ID: 480-138931-A-1
 Client ID: MW-2
 Sample Type: Client
 Inject. Date: 22-Jul-2018 01:31:30 ALS Bottle#: 10 Worklist Smp#: 30
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138931-A-1
 Misc. Info.: 480-0073271-030
 Operator ID: LH Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Jul-2018 13:43:59 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: moffata

Date: 22-Jul-2018 13:43:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	200923	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.339	-0.001	90	732167	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	95	397350	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	-0.001	94	256976	25.1	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	349152	25.6	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	966689	24.8	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	92	327732	25.0	
11 Dichlorodifluoromethane	85		1.294				ND	
13 Chloromethane	50		1.464				ND	
14 Vinyl chloride	62	1.543	1.543	0.000	32	3162	0.1799	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64	1.951	1.939	0.012	61	11976	1.20	
18 Trichlorofluoromethane	101		2.145				ND	
22 1,1-Dichloroethene	96		2.632				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43	2.742	2.742	0.006	83	12023	2.10	
25 Carbon disulfide	76		2.827				ND	U
28 Methyl acetate	43		3.040				ND	
30 Methylene Chloride	84	3.131	3.125	0.006	51	1120	0.0827	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96		3.362				ND	
36 1,1-Dichloroethane	63		3.764				ND	
43 cis-1,2-Dichloroethene	96		4.305				ND	
44 2-Butanone (MEK)	43		4.335				ND	
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.767				ND	U
53 Carbon tetrachloride	117		4.883				ND	
55 Benzene	78		5.090				ND	
57 1,2-Dichloroethane	62		5.145				ND	
60 Trichloroethene	95		5.704				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.838				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	U
73 Toluene	92		6.933				ND	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.475				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.779				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.269				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.786				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.119				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1709.D

Injection Date: 22-Jul-2018 01:31:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-138931-A-1

Lab Sample ID: 480-138931-1

Worklist Smp#: 30

Client ID: MW-2

Purge Vol: 5.000 mL

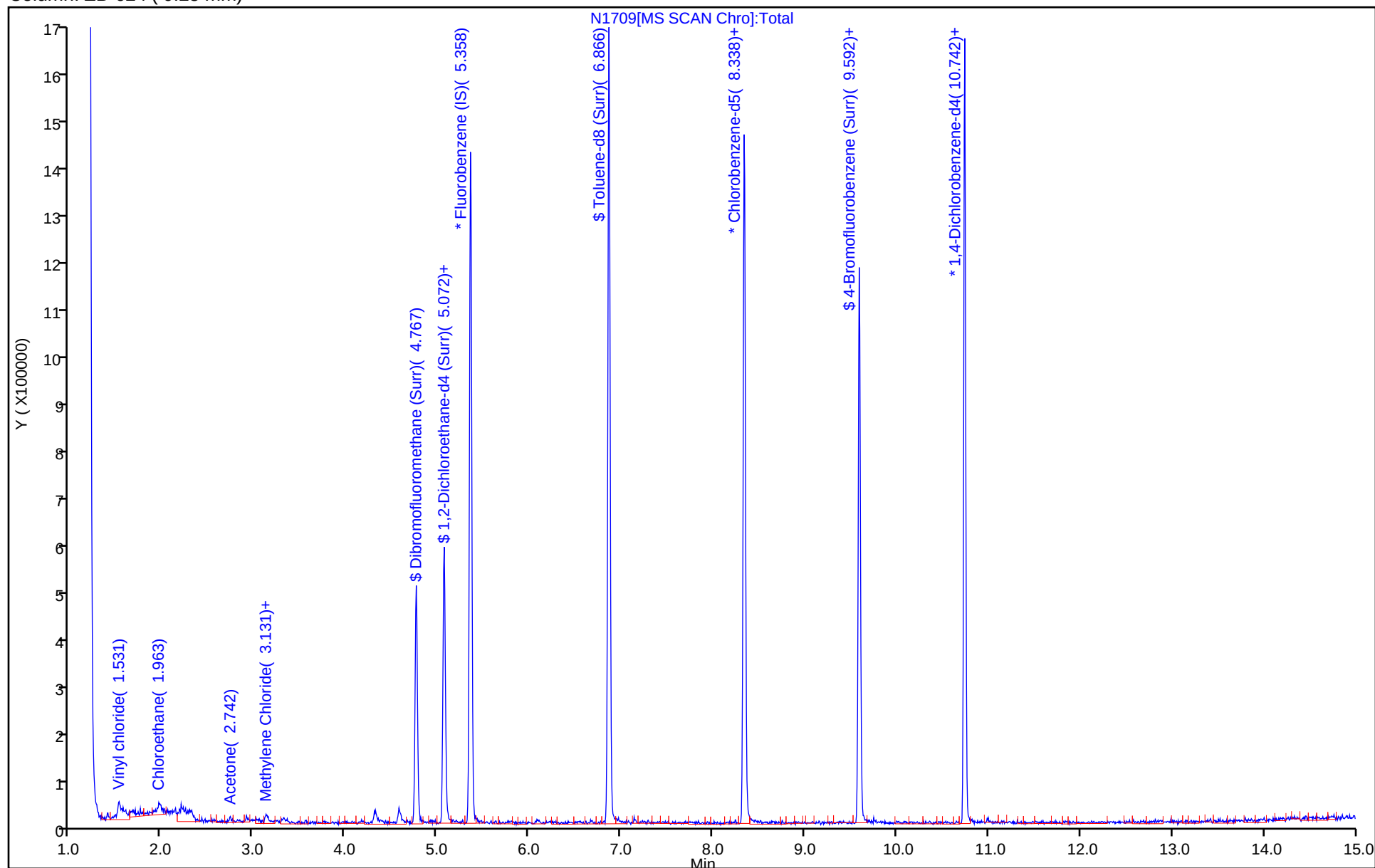
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1709.D

Injection Date: 22-Jul-2018 01:31:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-1

Lab Sample ID: 480-138931-1

Client ID: MW-2

Operator ID: LH

ALS Bottle#: 10

Worklist Smp#: 30

Purge Vol: 5.000 mL

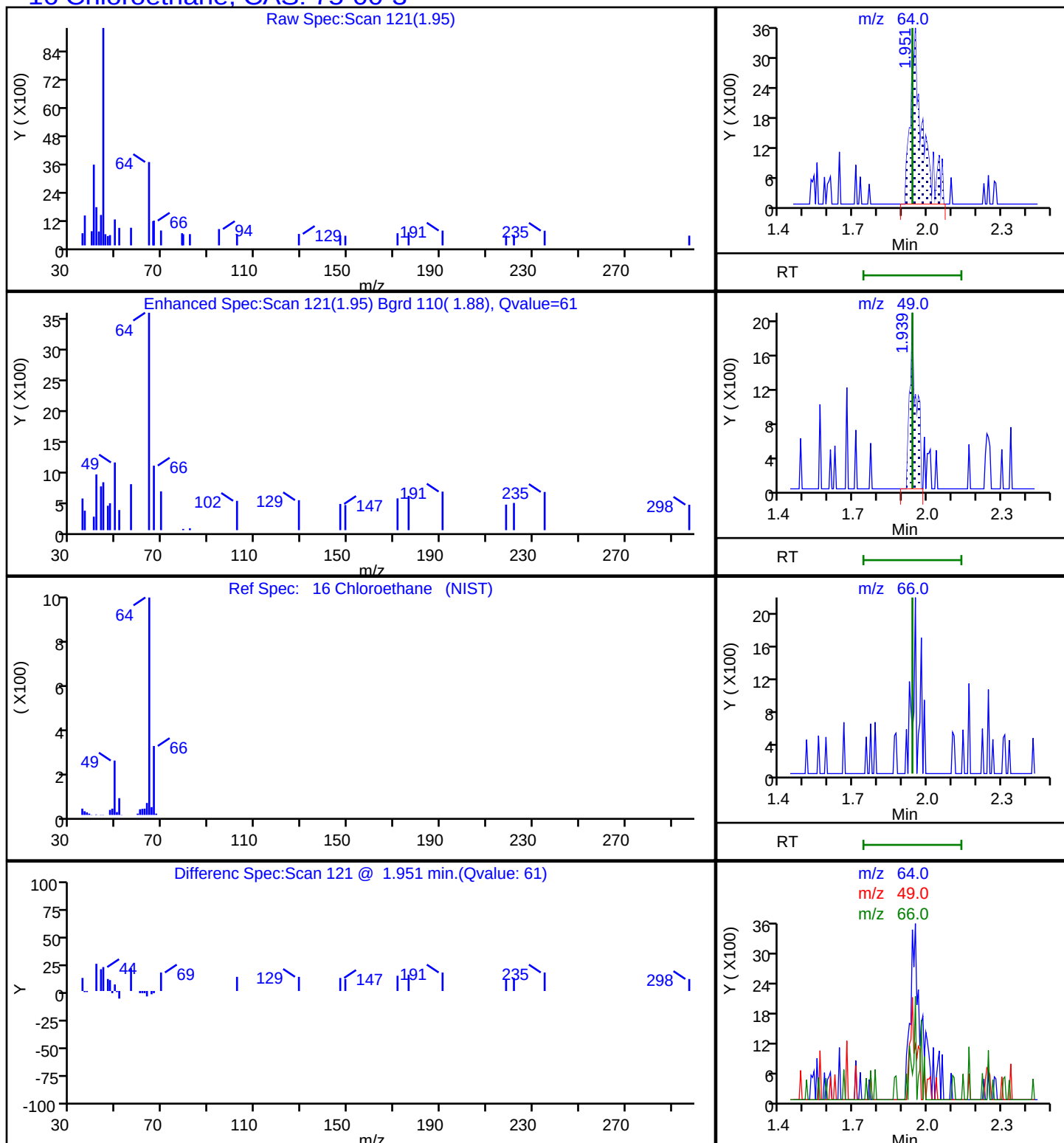
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180721-73271.b\N1709.D

Injection Date: 22-Jul-2018 01:31:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-1

Lab Sample ID: 480-138931-1

Client ID: MW-2

Operator ID: LH

ALS Bottle#: 10 Worklist Smp#: 30

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

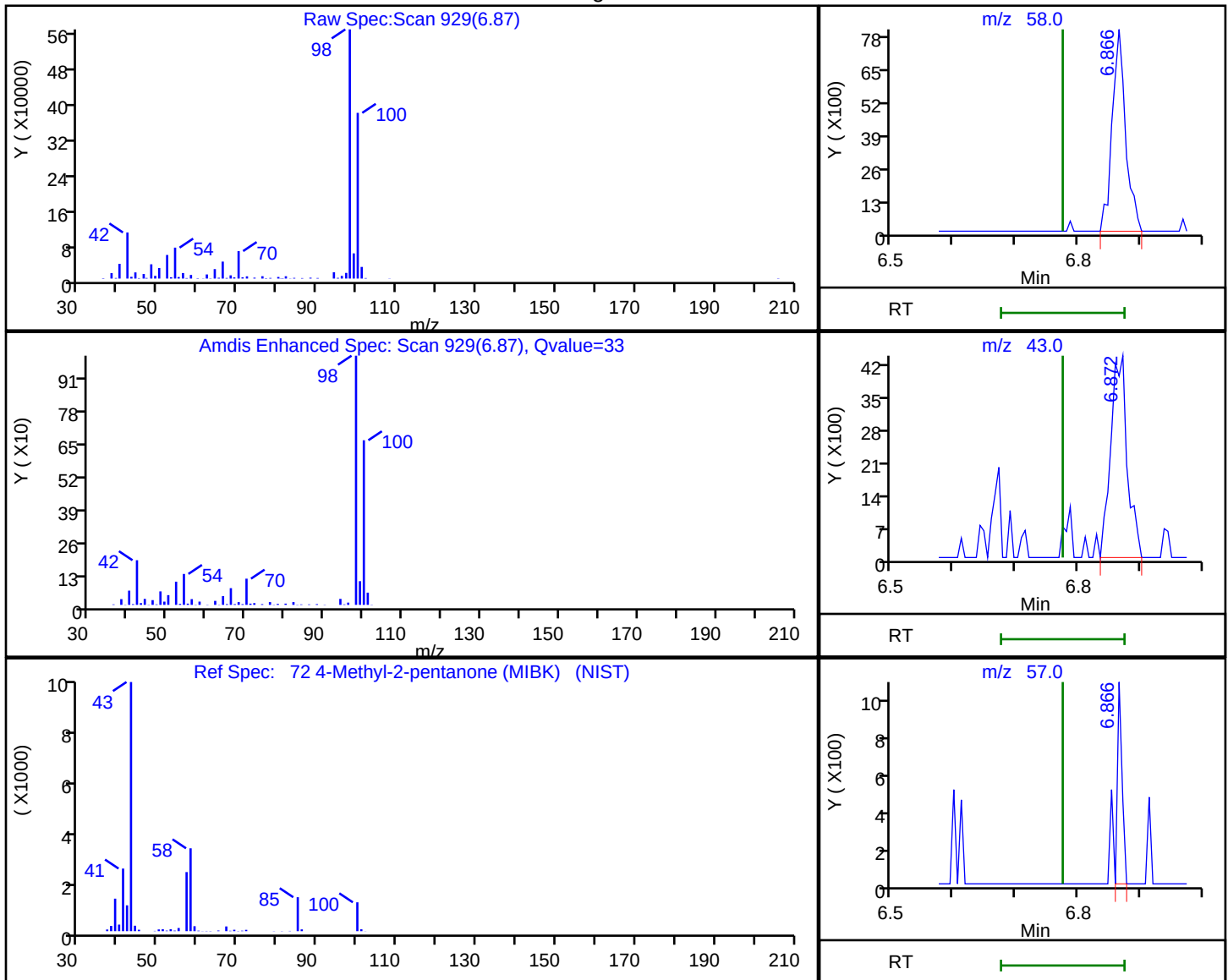
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.87	58.00	12149	1.635950
6.87	43.00	7988	
6.87	57.00	552	

Reviewer: moffata, 22-Jul-2018 13:43:54

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1709.D

Injection Date: 22-Jul-2018 01:31:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-1

Lab Sample ID: 480-138931-1

Client ID: MW-2

Operator ID: LH

ALS Bottle#: 10 Worklist Smp#: 30

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

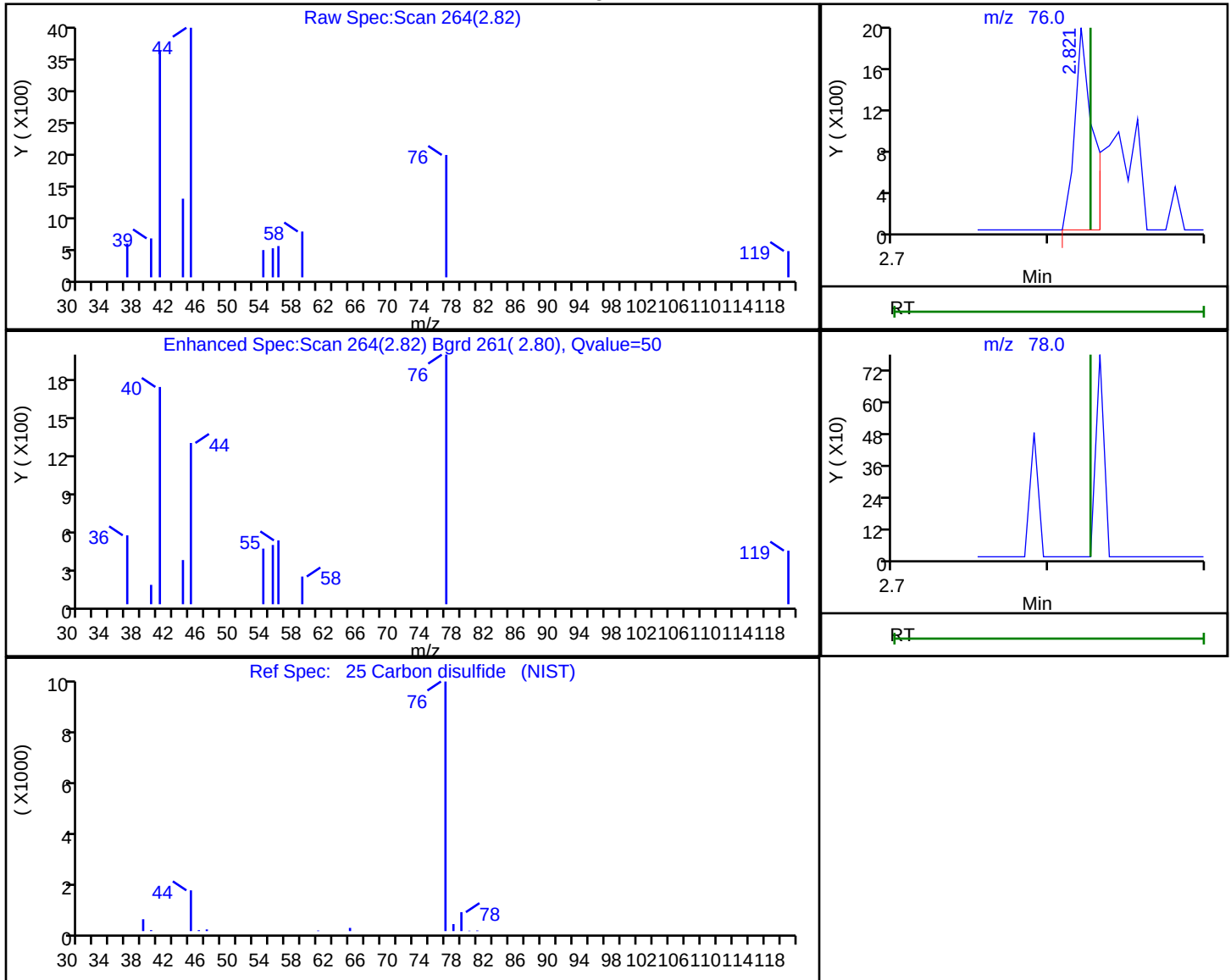
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.82	76.00	1543	0.050420
2.83	78.00	0	

Reviewer: moffata, 22-Jul-2018 13:43:37

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1709.D

Injection Date: 22-Jul-2018 01:31:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-1

Lab Sample ID: 480-138931-1

Client ID: MW-2

Operator ID: LH

ALS Bottle#: 10 Worklist Smp#: 30

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

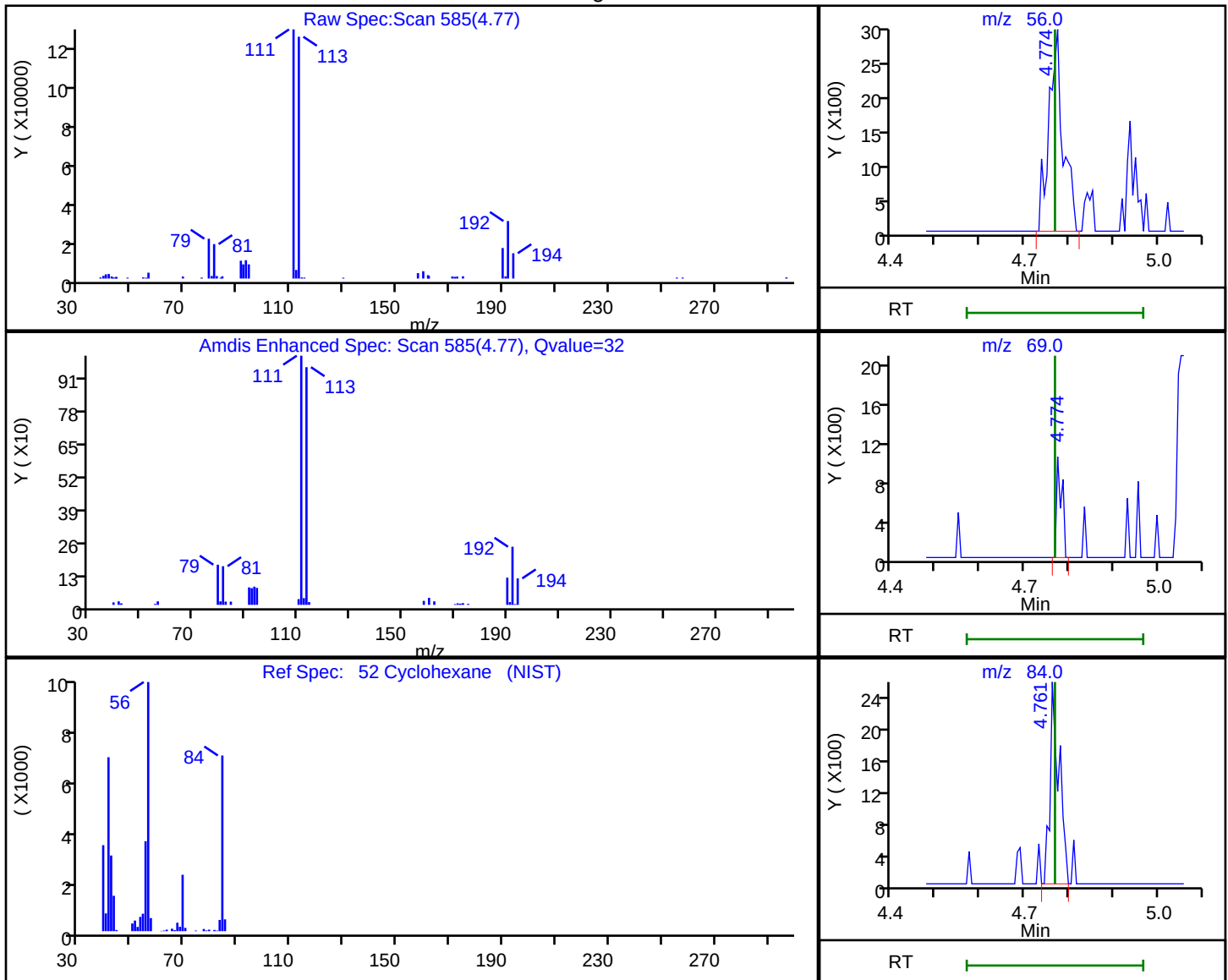
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

52 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
4.77	56.00	6635	0.462121
4.77	69.00	857	
4.76	84.00	3630	

Reviewer: moffata, 22-Jul-2018 13:43:49

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-3</u>	Lab Sample ID: <u>480-138931-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>N1710.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/13/2018 09:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/22/2018 01:58</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>425702</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	11		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	2.2		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: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-3</u>	Lab Sample ID: <u>480-138931-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>N1710.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/13/2018 09:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/22/2018 01:58</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>425702</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	28		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		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\HP5973N\20180721-73271.b\N1710.D
 Lims ID: 480-138931-A-2
 Client ID: MW-3
 Sample Type: Client
 Inject. Date: 22-Jul-2018 01:58:30 ALS Bottle#: 11 Worklist Smp#: 31
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138931-A-2
 Misc. Info.: 480-0073271-031
 Operator ID: LH Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Jul-2018 13:44:30 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: moffata

Date: 22-Jul-2018 13:44:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	192135	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.339	0.000	89	674865	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	95	374398	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.768	4.767	0.000	92	244881	25.0	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	336312	25.8	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	886152	24.7	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.592	0.006	95	311373	25.8	
11 Dichlorodifluoromethane	85		1.294				ND	
13 Chloromethane	50		1.464				ND	
14 Vinyl chloride	62	1.549	1.543	0.006	97	477682	28.4	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64		1.939				ND	U
18 Trichlorofluoromethane	101		2.145				ND	
22 1,1-Dichloroethene	96		2.632				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43	2.742	2.742	0.006	81	8091	1.48	
25 Carbon disulfide	76		2.827				ND	U
28 Methyl acetate	43		3.040				ND	
30 Methylene Chloride	84	3.131	3.125	0.006	36	2291	0.1770	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96	3.368	3.362	0.006	49	3031	0.2600	
36 1,1-Dichloroethane	63	3.764	3.764	0.000	96	274442	11.3	
43 cis-1,2-Dichloroethene	96	4.305	4.305	0.000	87	29963	2.25	
44 2-Butanone (MEK)	43		4.335				ND	U
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.767				ND	
53 Carbon tetrachloride	117		4.883				ND	
55 Benzene	78		5.090				ND	
57 1,2-Dichloroethane	62		5.145				ND	
60 Trichloroethene	95		5.704				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.838				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	U
73 Toluene	92		6.933				ND	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.475				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.779				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.269				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.786				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.119				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	U
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1710.D

Injection Date: 22-Jul-2018 01:58:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-138931-A-2

Lab Sample ID: 480-138931-2

Worklist Smp#: 31

Client ID: MW-3

Purge Vol: 5.000 mL

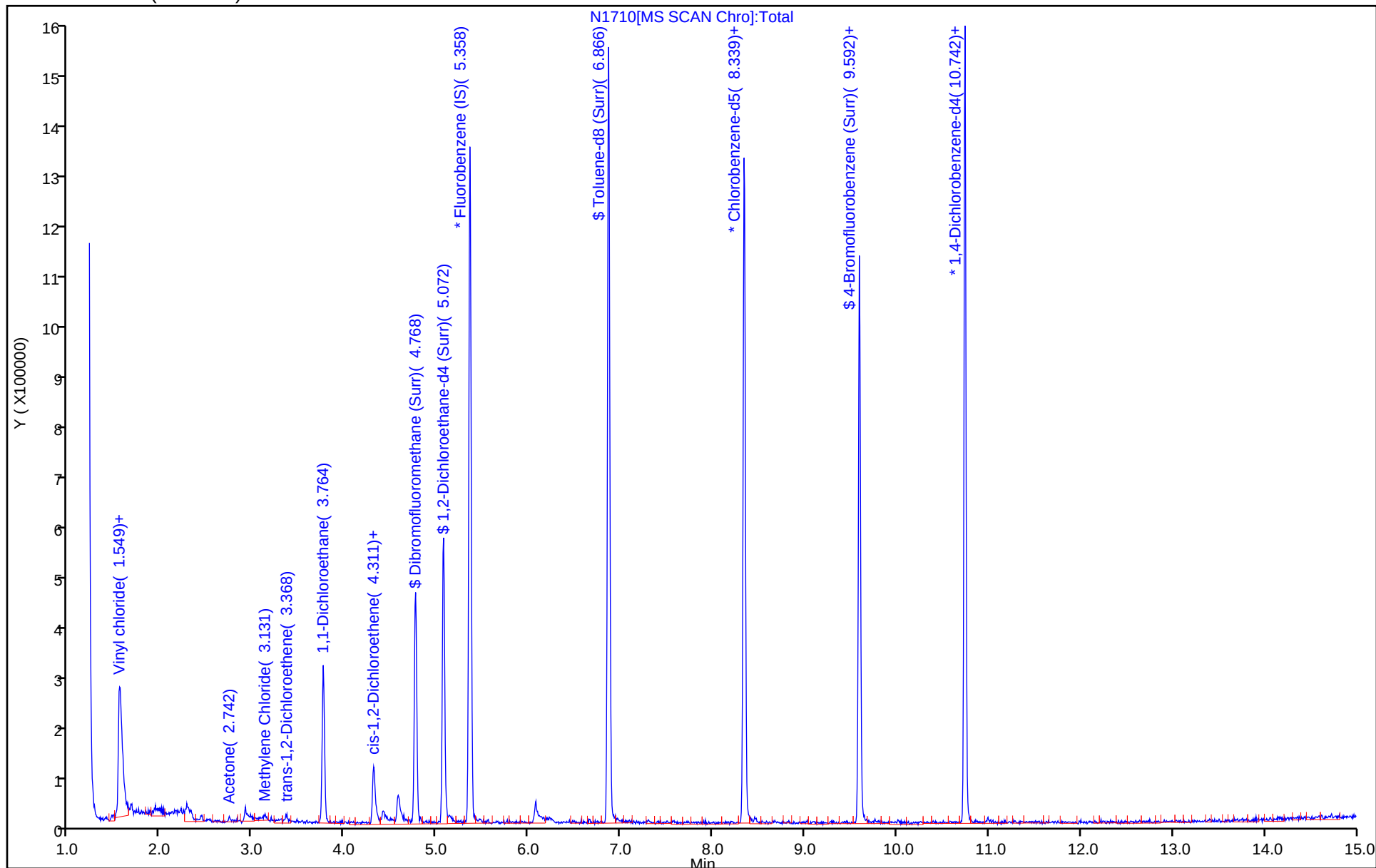
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1710.D

Injection Date: 22-Jul-2018 01:58:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-2

Lab Sample ID: 480-138931-2

Client ID: MW-3

Operator ID: LH

ALS Bottle#: 11

Worklist Smp#: 31

Purge Vol: 5.000 mL

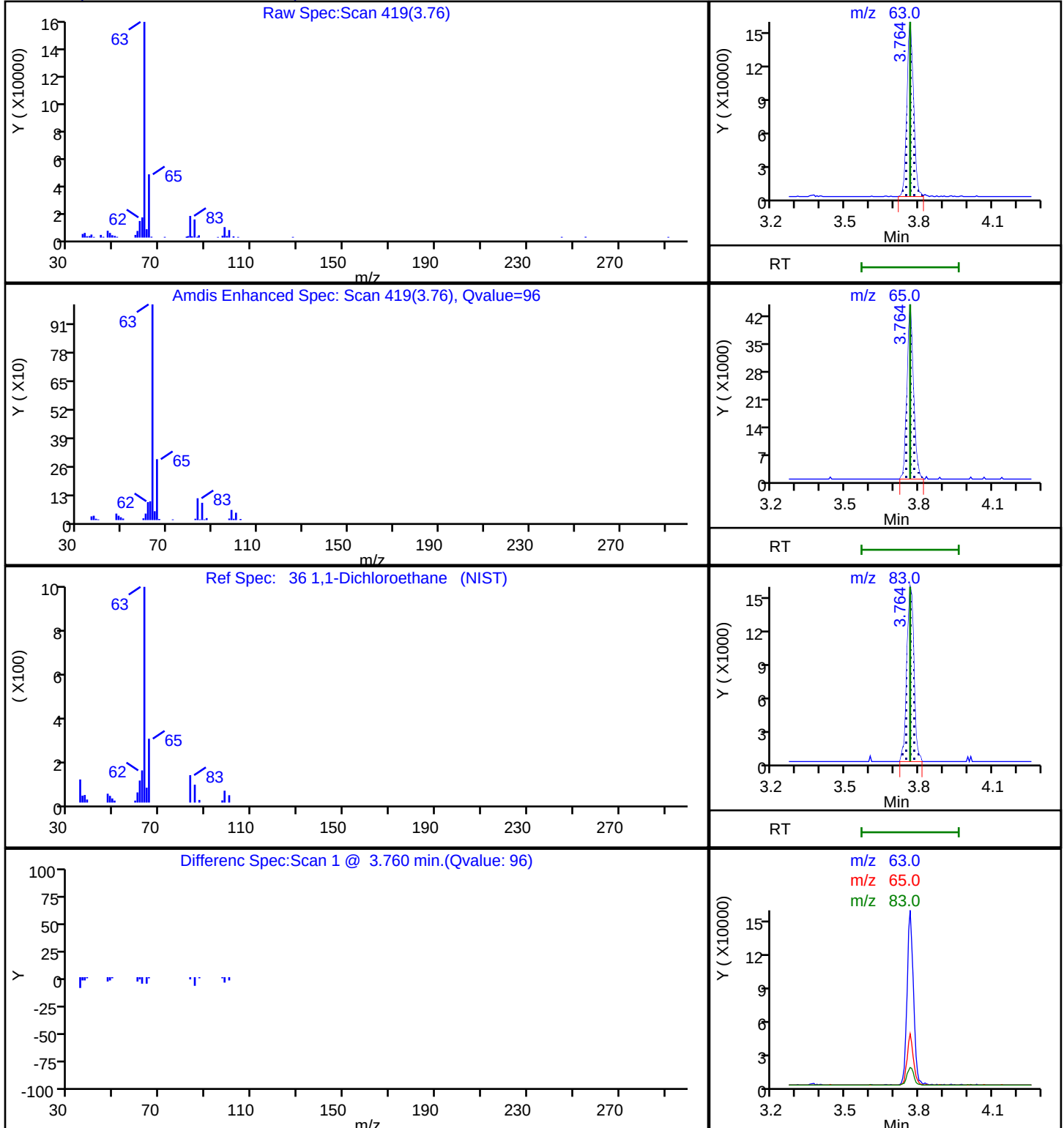
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180721-73271.b\N1710.D

Injection Date: 22-Jul-2018 01:58:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-2

Lab Sample ID: 480-138931-2

Client ID: MW-3

Operator ID: LH

ALS Bottle#: 11

Worklist Smp#: 31

Purge Vol: 5.000 mL

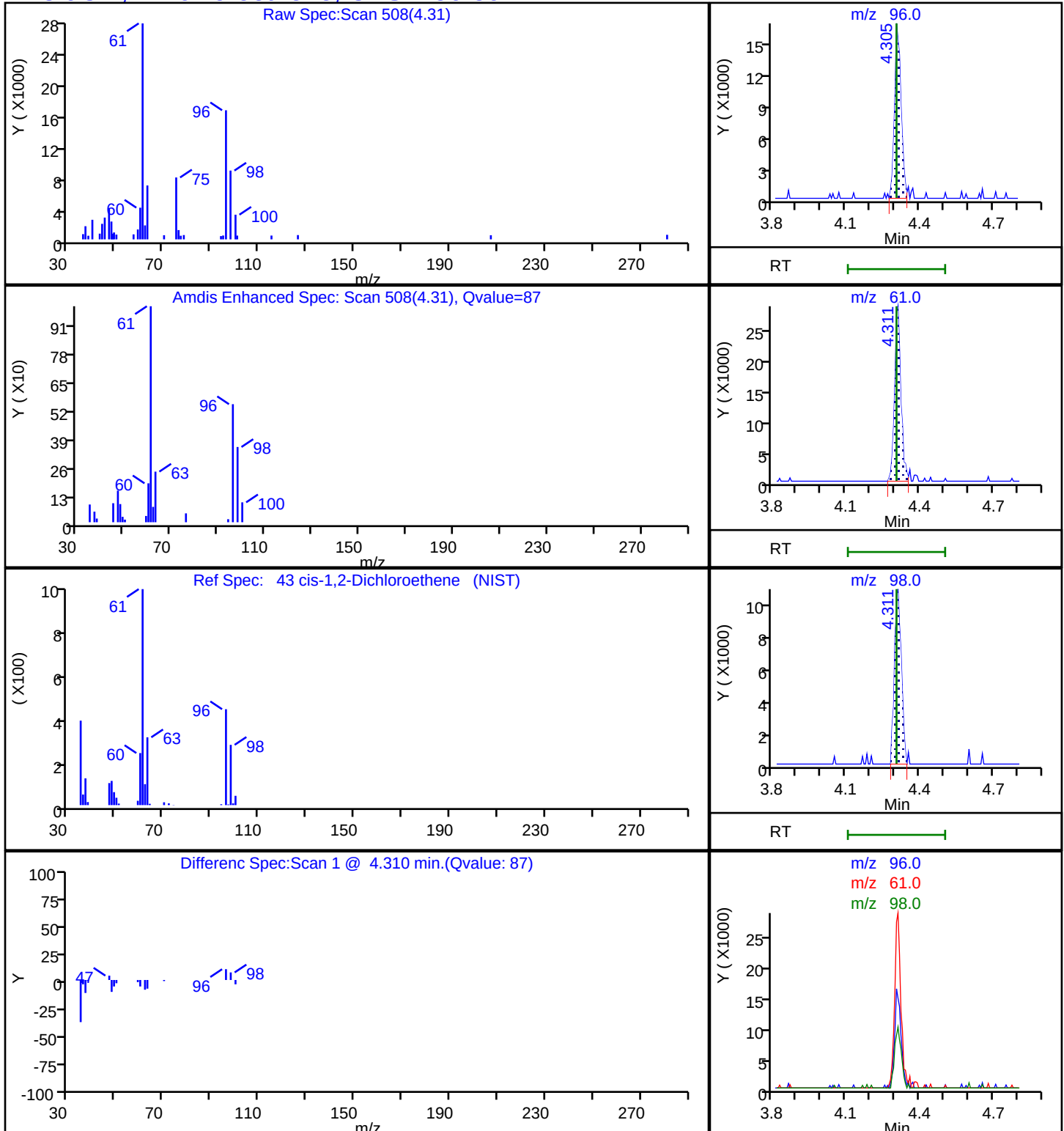
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180721-73271.b\N1710.D

Injection Date: 22-Jul-2018 01:58:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-2

Lab Sample ID: 480-138931-2

Client ID: MW-3

Operator ID: LH

ALS Bottle#: 11

Worklist Smp#: 31

Purge Vol: 5.000 mL

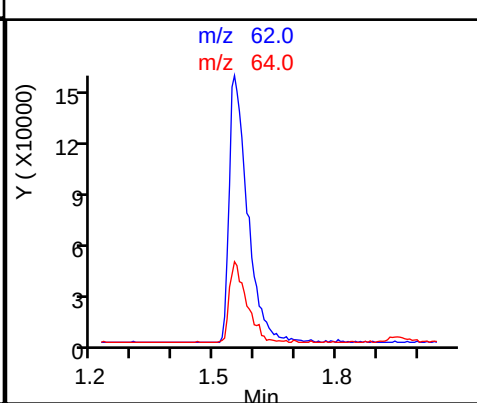
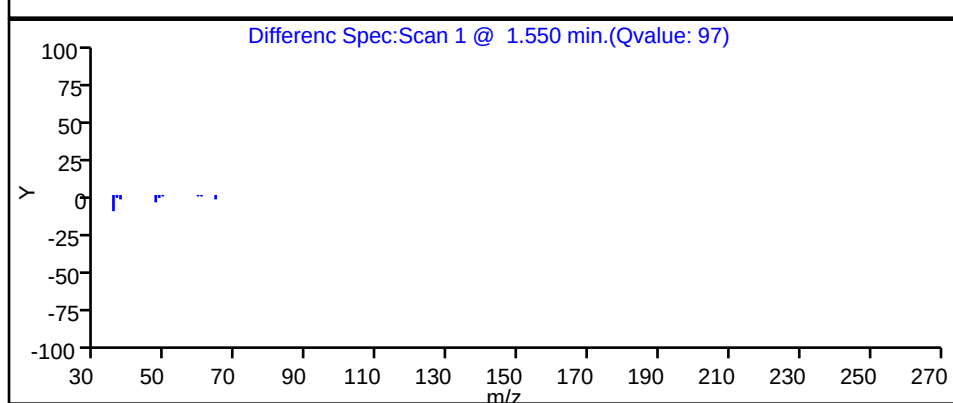
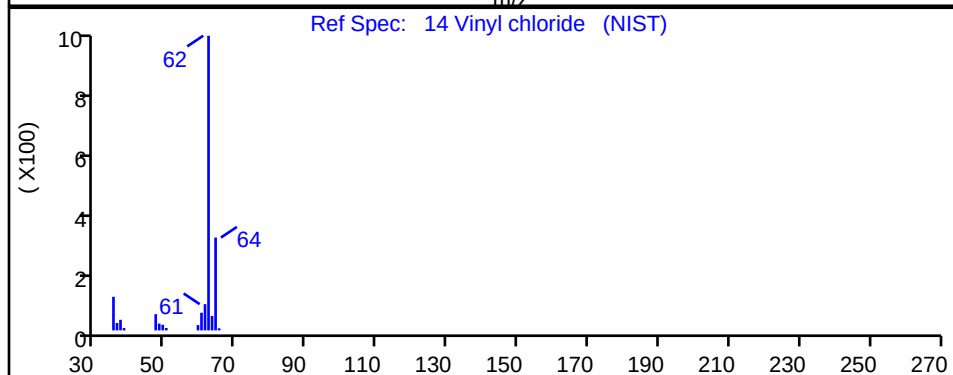
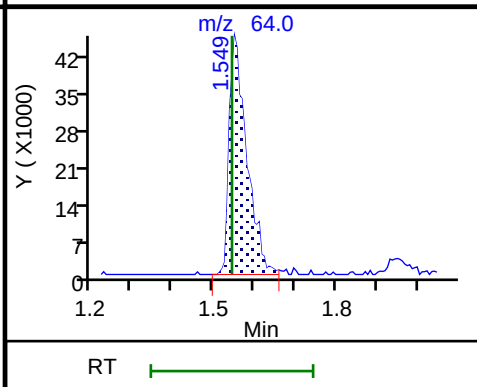
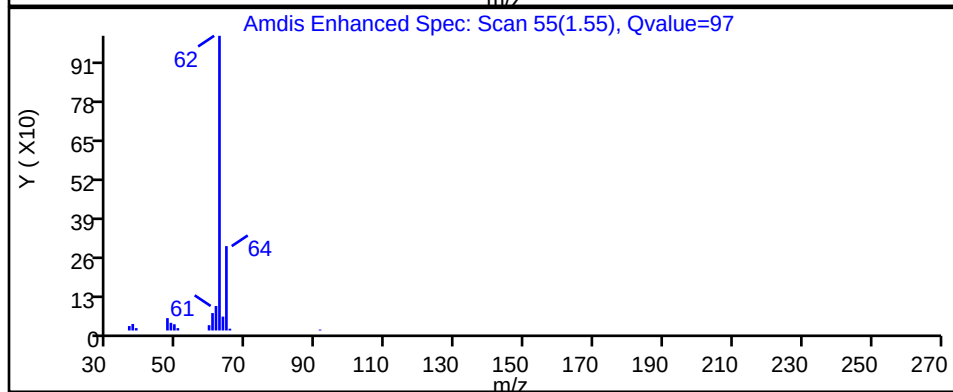
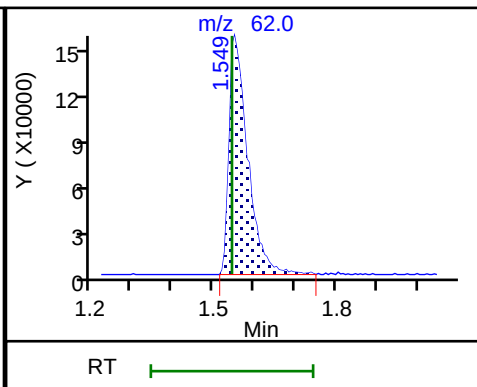
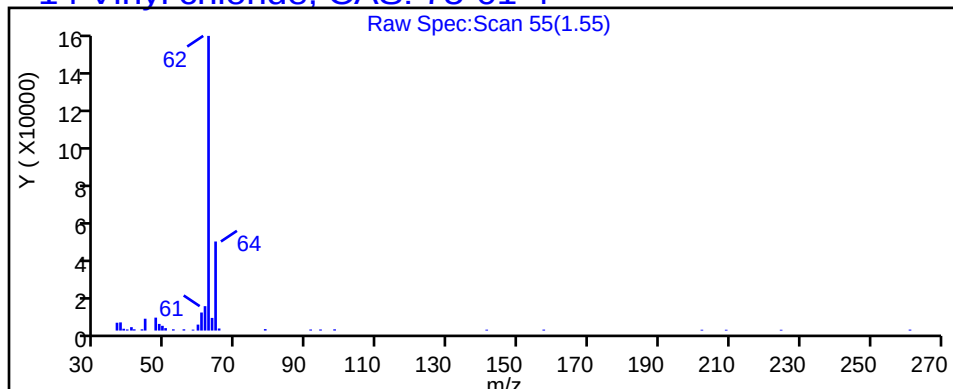
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180721-73271.b\N1710.D

Injection Date: 22-Jul-2018 01:58:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-2

Lab Sample ID: 480-138931-2

Client ID: MW-3

Operator ID: LH

ALS Bottle#: 11 Worklist Smp#: 31

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

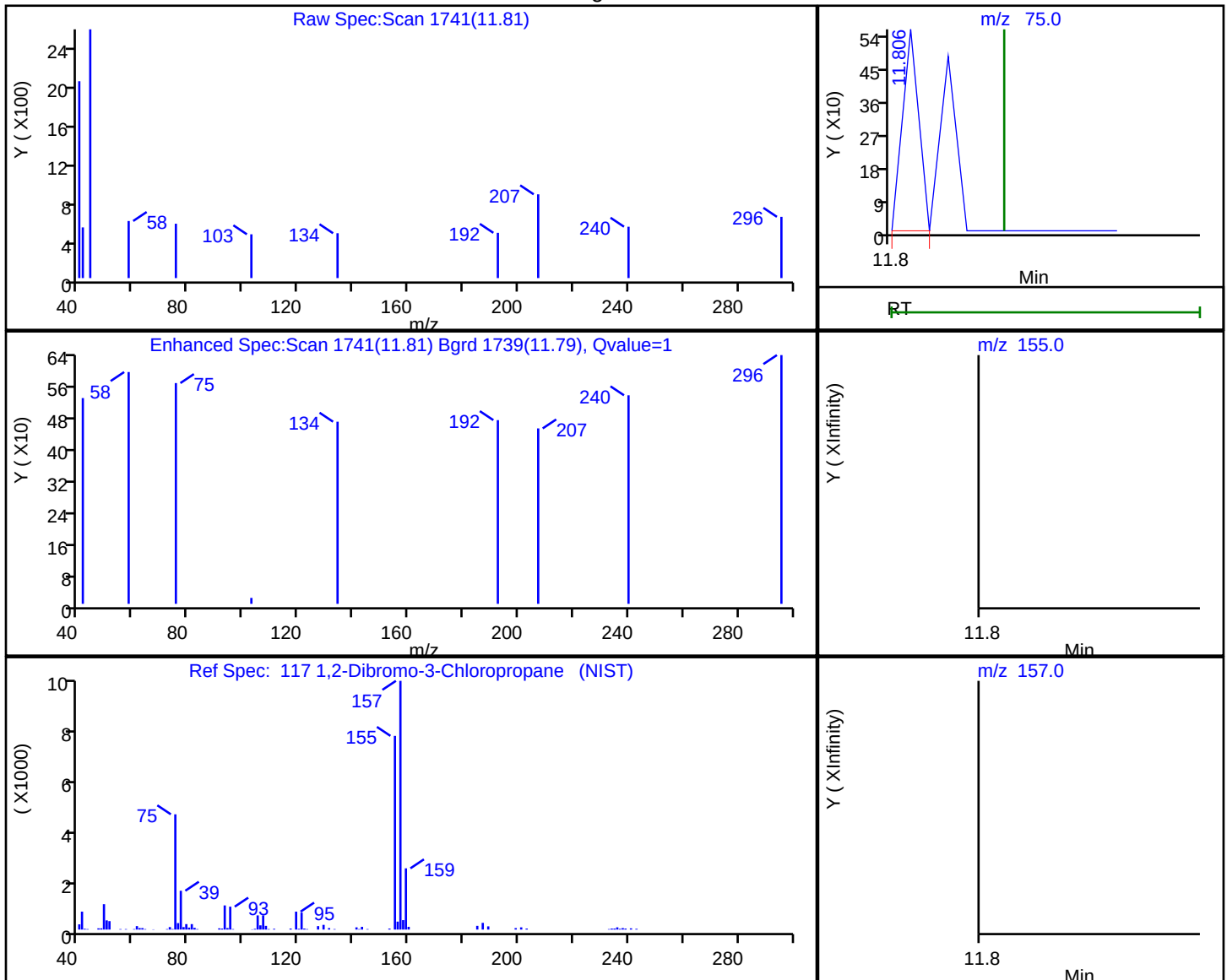
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector MS SCAN

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

Processing Results



RT	Mass	Response	Amount
11.81	75.00	204	0.090193
11.84	155.00	0	
11.84	157.00	0	

Reviewer: moffata, 22-Jul-2018 13:44:27

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1710.D

Injection Date: 22-Jul-2018 01:58:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-2

Lab Sample ID: 480-138931-2

Client ID: MW-3

Operator ID: LH

ALS Bottle#: 11 Worklist Smp#: 31

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

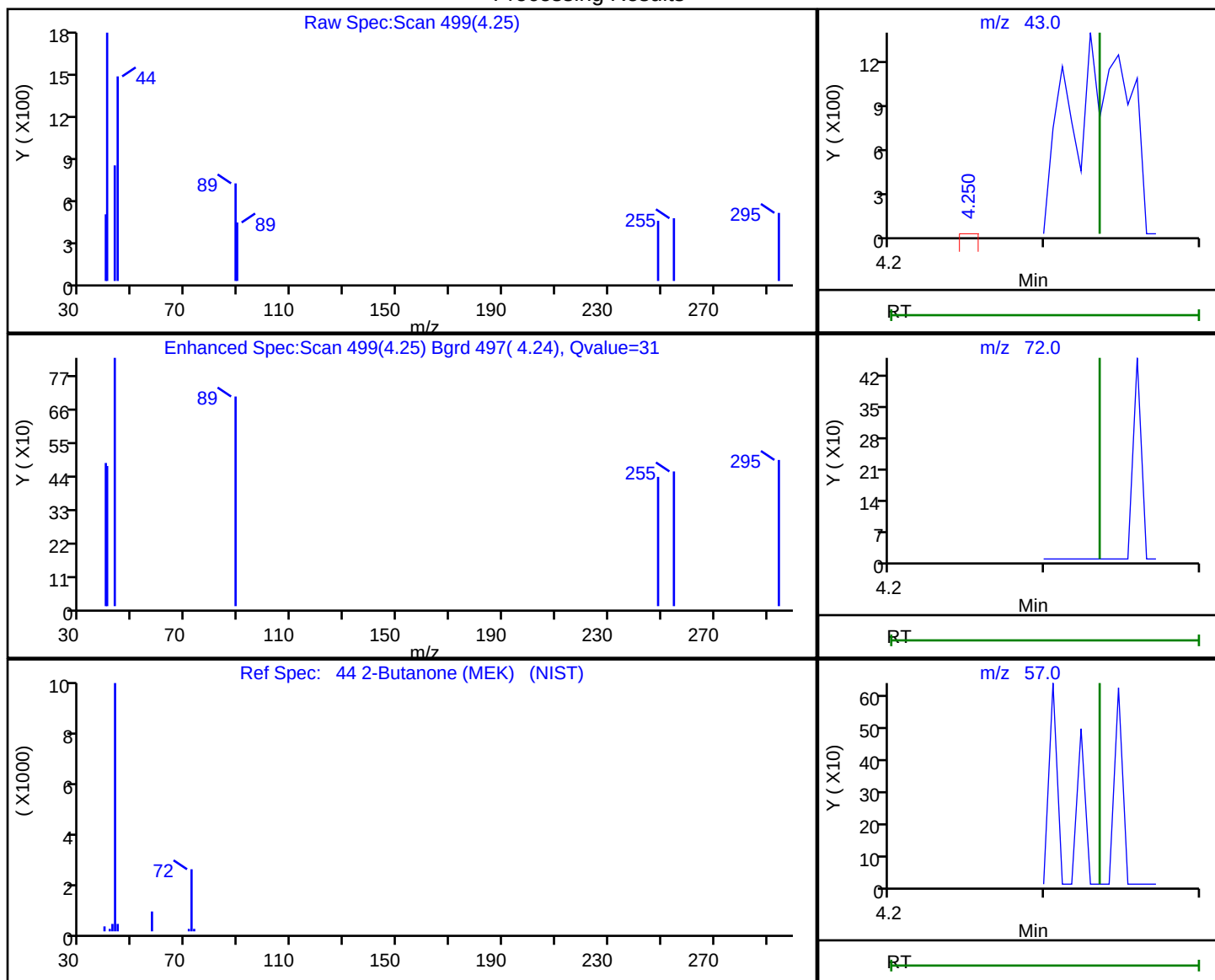
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
4.25	43.00	300	0.029186
4.34	72.00	0	
4.34	57.00	0	

Reviewer: moffata, 22-Jul-2018 13:44:17

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1710.D

Injection Date: 22-Jul-2018 01:58:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-2

Lab Sample ID: 480-138931-2

Client ID: MW-3

Operator ID: LH

ALS Bottle#: 11 Worklist Smp#: 31

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

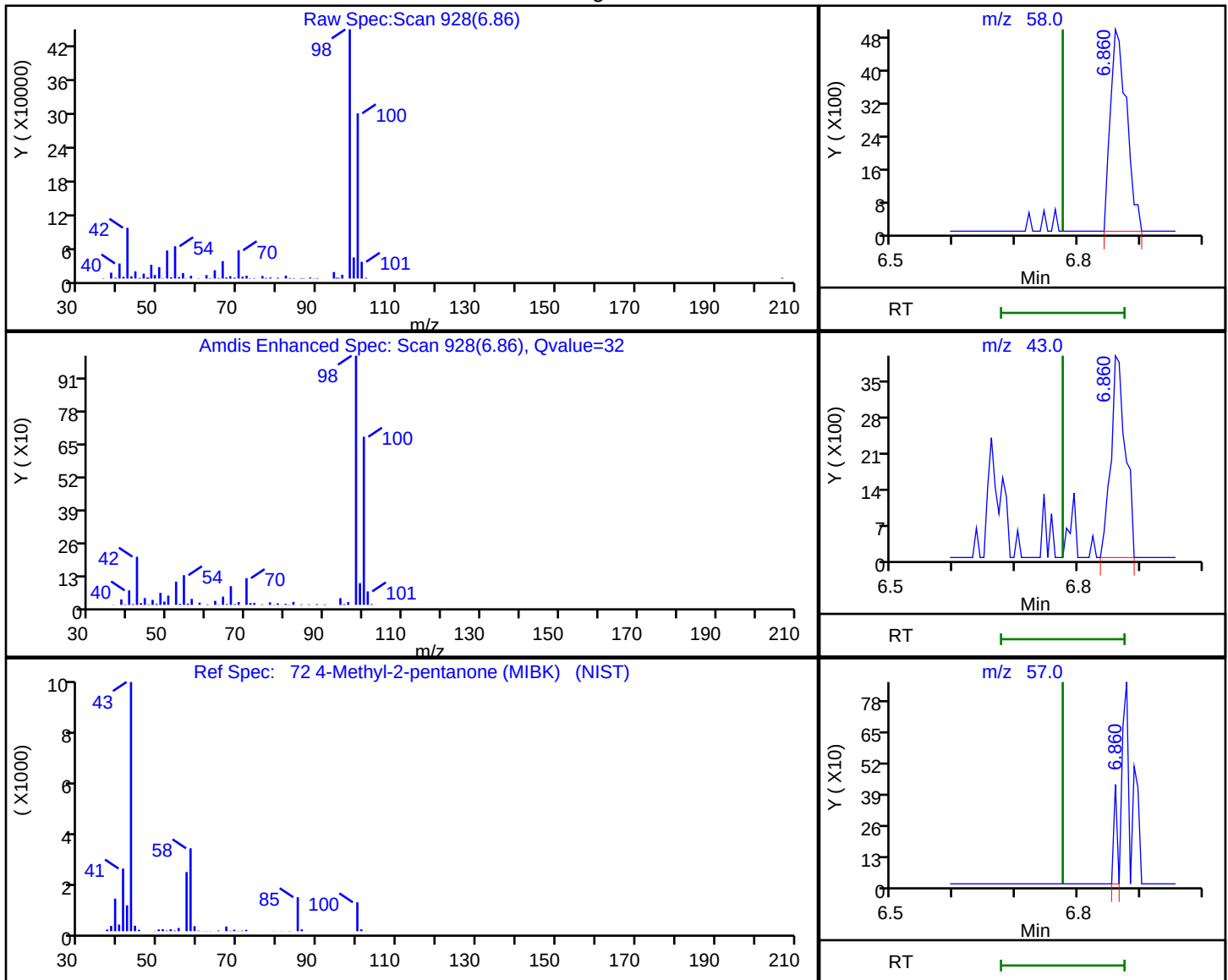
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.86	58.00	8937	1.305613
6.86	43.00	6417	
6.86	57.00	153	

Reviewer: moffata, 22-Jul-2018 13:44:22

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1710.D

Injection Date: 22-Jul-2018 01:58:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-2

Lab Sample ID: 480-138931-2

Client ID: MW-3

Operator ID: LH

ALS Bottle#: 11 Worklist Smp#: 31

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

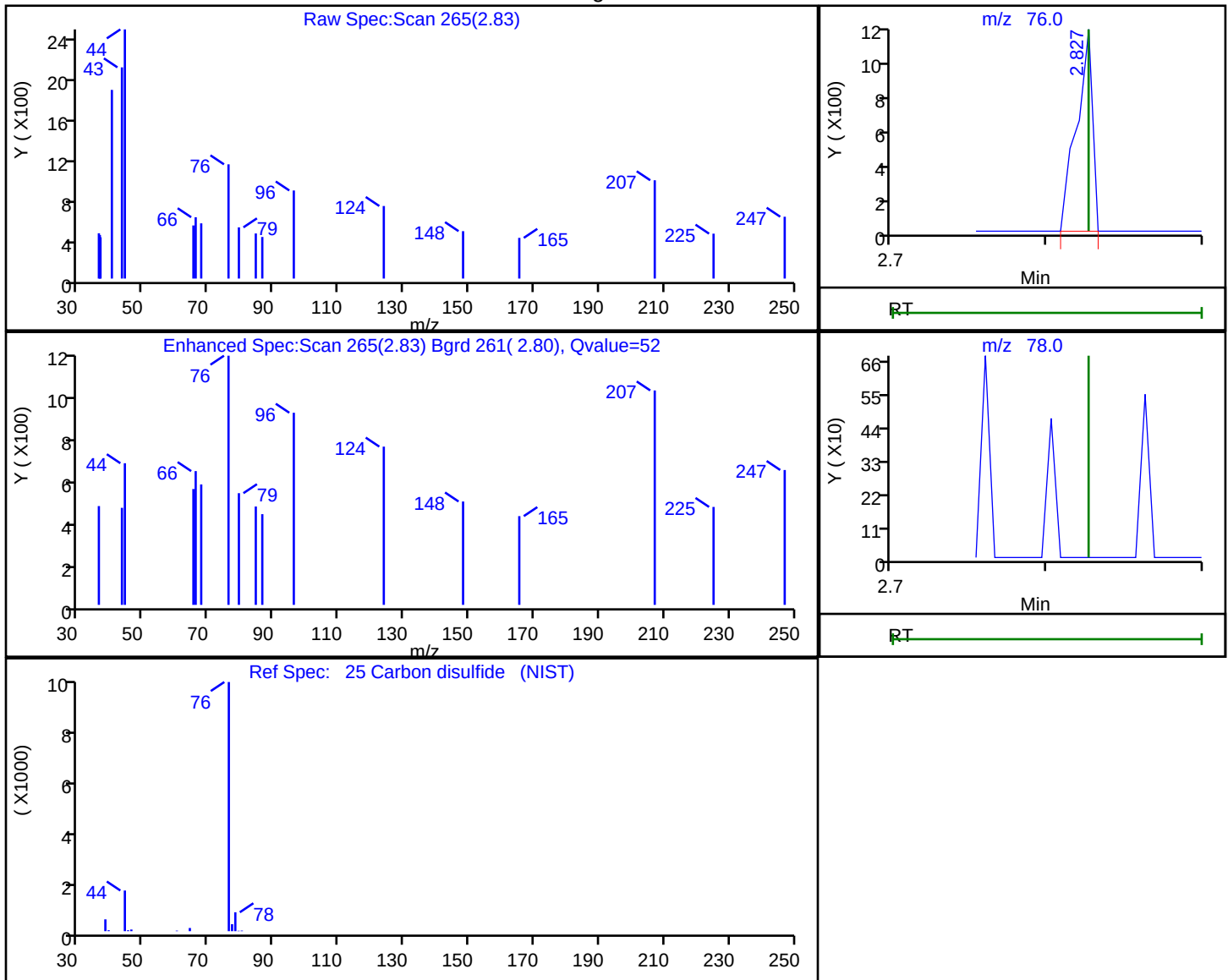
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.83	76.00	815	0.027850
2.83	78.00	0	

Reviewer: moffata, 22-Jul-2018 13:44:10

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1710.D

Injection Date: 22-Jul-2018 01:58:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-2

Lab Sample ID: 480-138931-2

Client ID: MW-3

Operator ID: LH

ALS Bottle#: 11 Worklist Smp#: 31

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

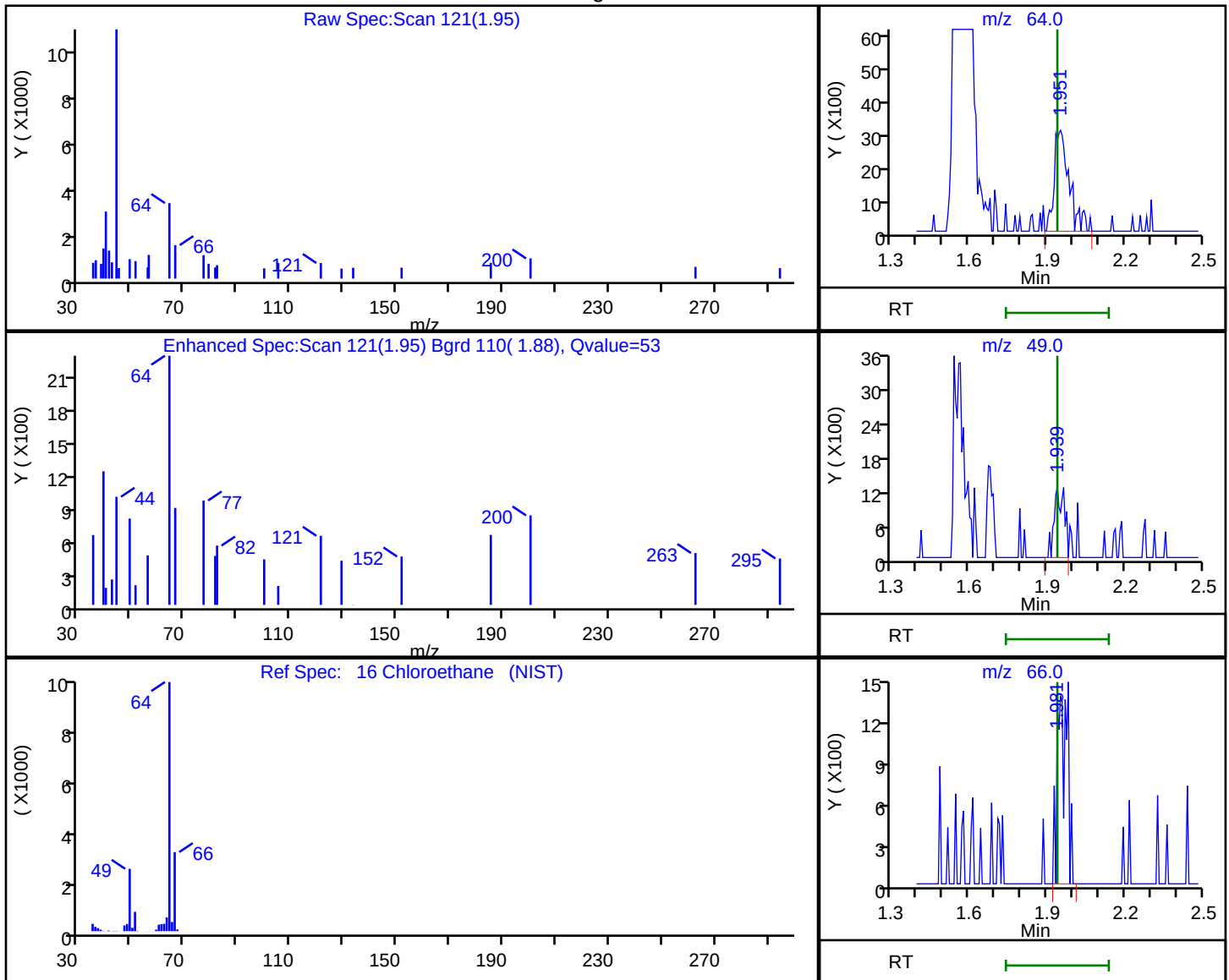
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.95	64.00	12487	1.304399
1.94	49.00	3357	
1.98	66.00	3901	

Reviewer: moffata, 22-Jul-2018 13:44:07

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: MW-4 Lab Sample ID: 480-138931-3

Matrix: Water Lab File ID: N1711.D

Analysis Method: 8260C Date Collected: 07/13/2018 13:05

Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 02:25

Soil Aliquot Vol: _____ Dilution Factor: 5

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

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

Analysis Batch No.: 425702 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	1.1
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	2.5	J	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)	80		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	18	J	50	15
71-43-2	Benzene	3.7	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	490		5.0	1.6
67-66-3	Chloroform	ND		5.0	1.7
74-87-3	Chloromethane	ND		5.0	1.8
156-59-2	cis-1,2-Dichloroethene	ND		5.0	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	1.8
110-82-7	Cyclohexane	ND		5.0	0.90
124-48-1	Dibromochloromethane	ND		5.0	1.6
75-71-8	Dichlorodifluoromethane	ND		5.0	3.4
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.: 480-138781-1

SDG No.: _____

Client Sample ID: MW-4 Lab Sample ID: 480-138931-3

Matrix: Water Lab File ID: N1711.D

Analysis Method: 8260C Date Collected: 07/13/2018 13:05

Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 02:25

Soil Aliquot Vol: _____ Dilution Factor: 5

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

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

Analysis Batch No.: 425702 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	16		5.0	2.6
156-60-5	trans-1,2-Dichloroethene	18		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	37		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)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
2037-26-5	Toluene-d8 (Surr)	103		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1711.D
 Lims ID: 480-138931-A-3
 Client ID: MW-4
 Sample Type: Client
 Inject. Date: 22-Jul-2018 02:25:30 ALS Bottle#: 12 Worklist Smp#: 32
 Purge Vol: 5.000 mL Dil. Factor: 5.0000
 Sample Info: 480-138931-A-3
 Misc. Info.: 480-0073271-032
 Operator ID: LH Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Jul-2018 13:45:11 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: moffata

Date: 22-Jul-2018 13:45:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.357	5.358	-0.001	97	202195	25.0	
* 2 Chlorobenzene-d5	117	8.345	8.339	0.005	90	669926	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.742	-0.001	95	386680	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	-0.001	93	242791	23.5	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	343733	25.1	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	96	913494	25.7	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	91	308580	25.7	
11 Dichlorodifluoromethane	85		1.294				ND	
13 Chloromethane	50		1.464				ND	
14 Vinyl chloride	62	1.549	1.543	0.006	97	130182	7.36	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64	1.945	1.939	0.006	96	994502	98.7	
18 Trichlorofluoromethane	101		2.145				ND	
22 1,1-Dichloroethene	96		2.632				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43	2.735	2.742	-0.001	76	21091	3.67	
25 Carbon disulfide	76		2.827				ND	U
28 Methyl acetate	43		3.040				ND	
30 Methylene Chloride	84	3.131	3.125	0.006	60	3011	0.2210	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	92	43367	3.53	
36 1,1-Dichloroethane	63	3.764	3.764	0.000	92	12616	0.4942	
43 cis-1,2-Dichloroethene	96	4.305	4.305	0.000	51	5990	0.4273	M
44 2-Butanone (MEK)	43	4.342	4.335	0.007	97	173275	16.0	
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.767				ND	
53 Carbon tetrachloride	117		4.883				ND	
55 Benzene	78	5.096	5.090	0.006	82	36220	0.7475	
57 1,2-Dichloroethane	62		5.145				ND	
60 Trichloroethene	95		5.704				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.838				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58	6.769	6.775	-0.006	43	1748	0.2572	
73 Toluene	92	6.933	6.933	0.000	97	81450	3.19	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.475				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.779				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	U
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.269				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.786				ND	U
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.119				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1711.D

Injection Date: 22-Jul-2018 02:25:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-138931-A-3

Lab Sample ID: 480-138931-3

Worklist Smp#: 32

Client ID: MW-4

Purge Vol: 5.000 mL

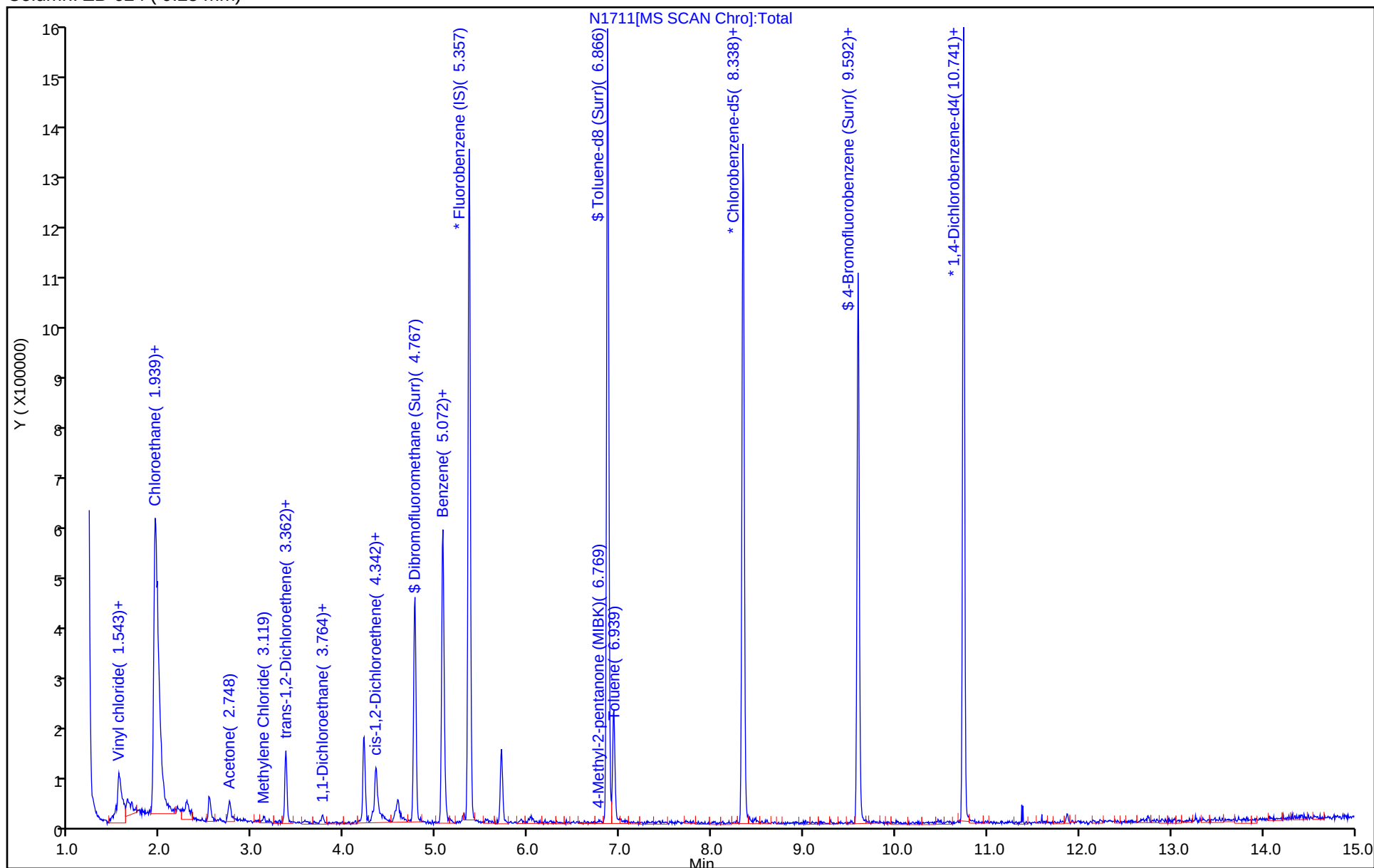
Dil. Factor: 5.0000

ALS Bottle#: 12

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1711.D

Injection Date: 22-Jul-2018 02:25:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-3

Lab Sample ID: 480-138931-3

Client ID: MW-4

Operator ID: LH

ALS Bottle#: 12

Worklist Smp#: 32

Purge Vol: 5.000 mL

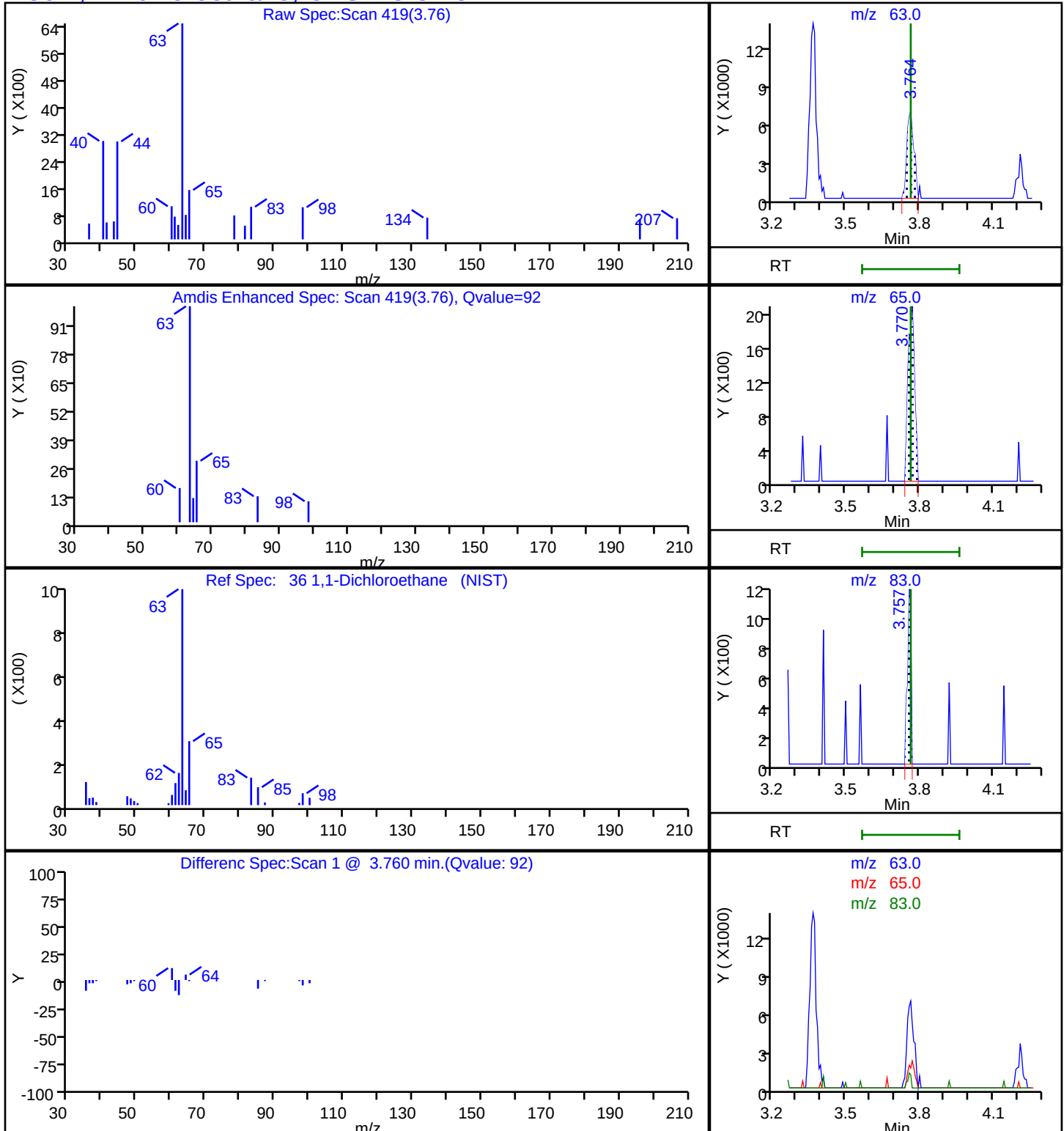
Dil. Factor: 5.0000

Method: N-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\HP5973N\20180721-73271.b\N1711.D

Injection Date: 22-Jul-2018 02:25:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-3

Lab Sample ID: 480-138931-3

Client ID: MW-4

Operator ID: LH

ALS Bottle#: 12

Worklist Smp#: 32

Purge Vol: 5.000 mL

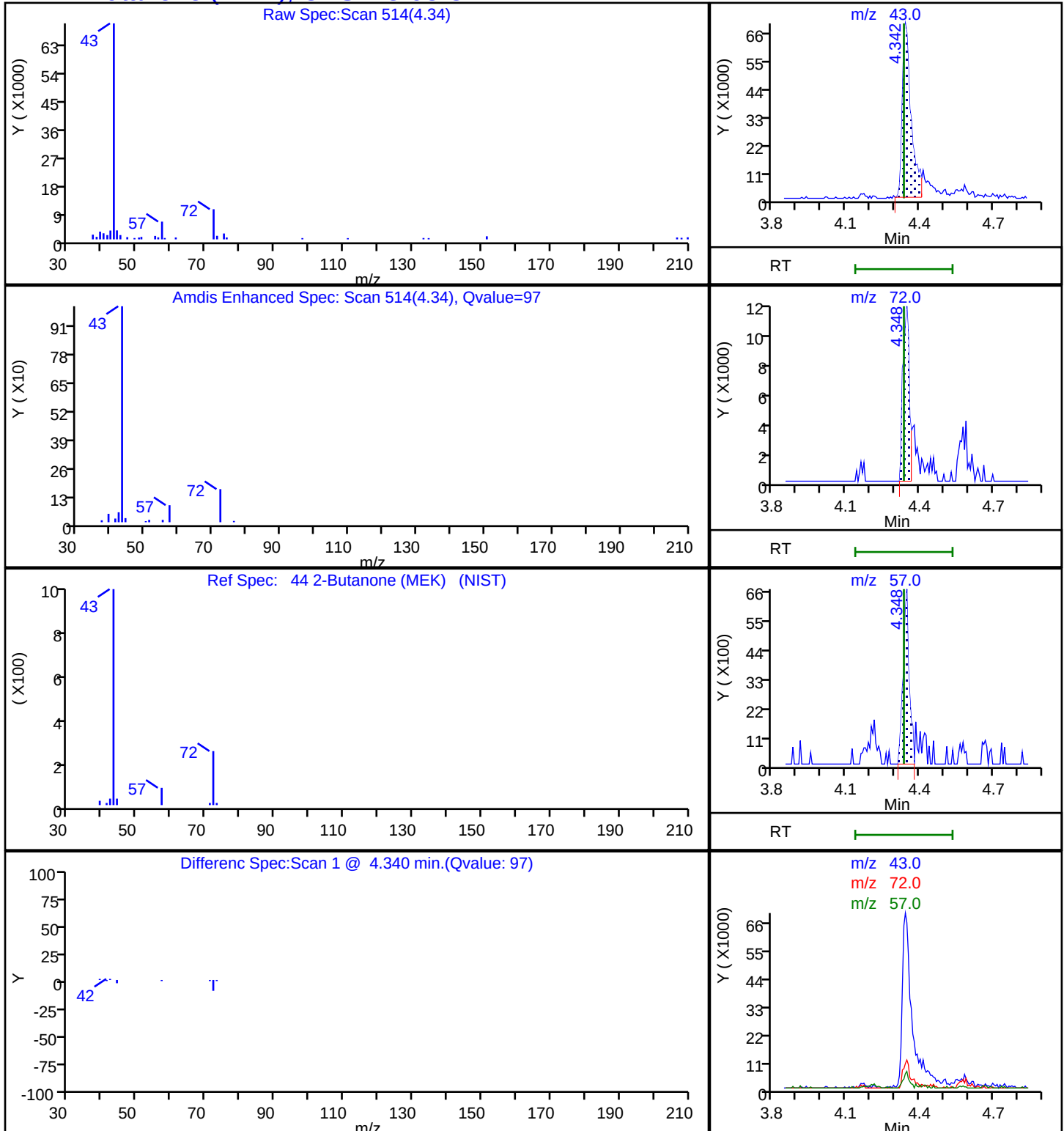
Dil. Factor: 5.0000

Method: N-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\HP5973N\20180721-73271.b\N1711.D

Injection Date: 22-Jul-2018 02:25:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-3

Lab Sample ID: 480-138931-3

Client ID: MW-4

Operator ID: LH

ALS Bottle#: 12

Worklist Smp#: 32

Purge Vol: 5.000 mL

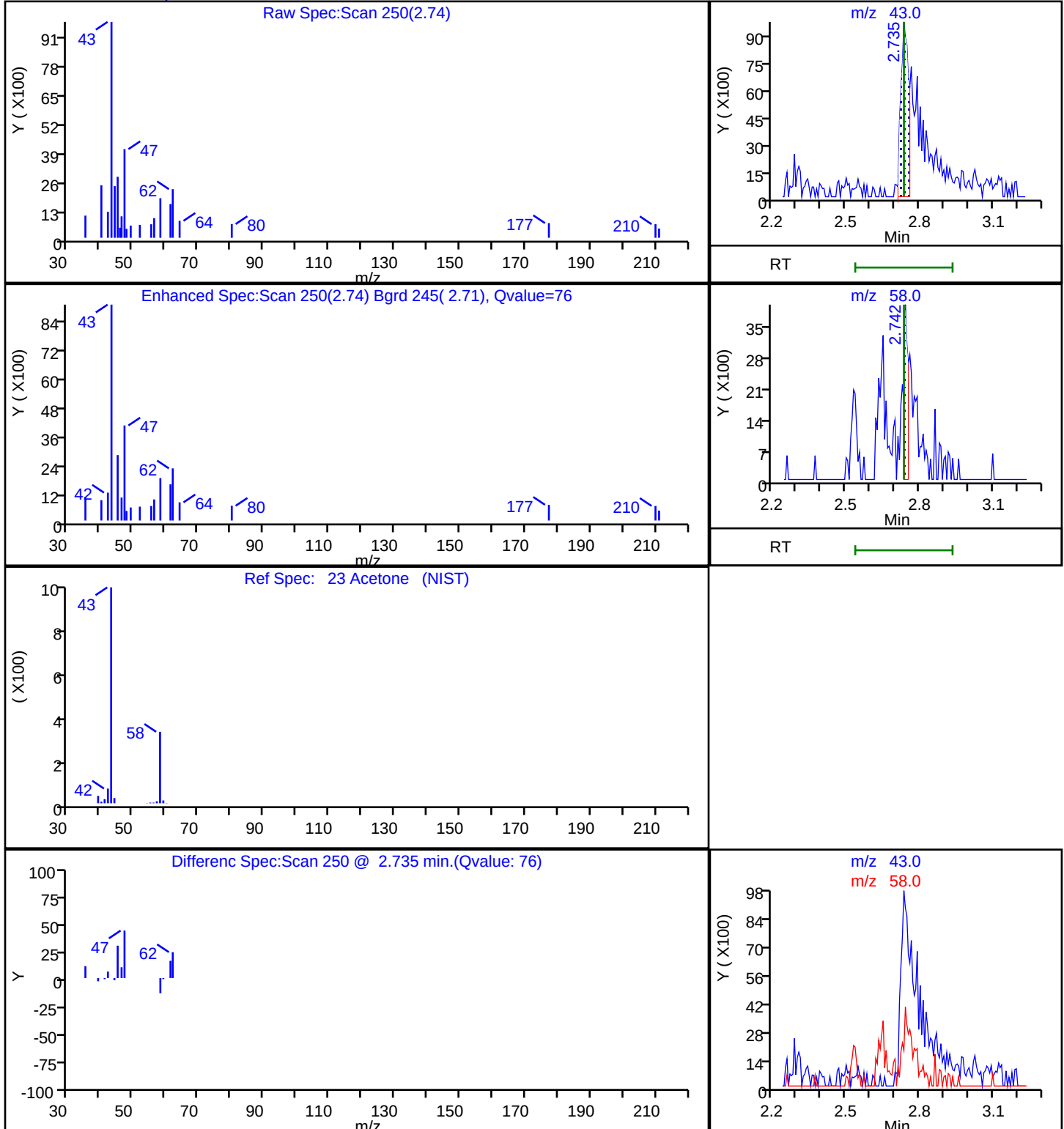
Dil. Factor: 5.0000

Method: N-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\HP5973N\20180721-73271.b\N1711.D

Injection Date: 22-Jul-2018 02:25:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-3

Lab Sample ID: 480-138931-3

Client ID: MW-4

Operator ID: LH

ALS Bottle#: 12

Worklist Smp#: 32

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

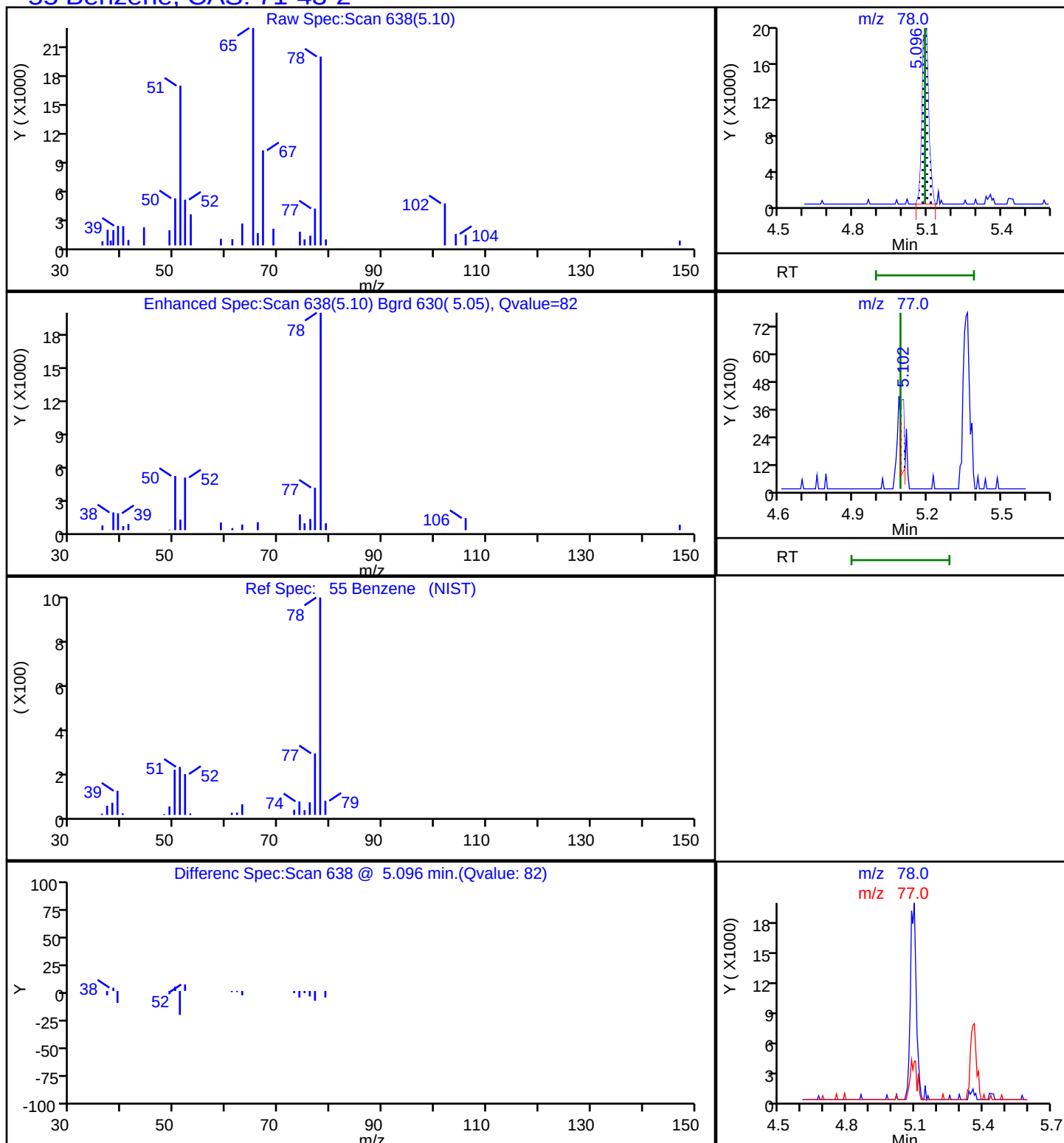
Method: N-8260

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\HP5973N\20180721-73271.b\N1711.D

Injection Date: 22-Jul-2018 02:25:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-3

Lab Sample ID: 480-138931-3

Client ID: MW-4

Operator ID: LH

ALS Bottle#: 12

Worklist Smp#: 32

Purge Vol: 5.000 mL

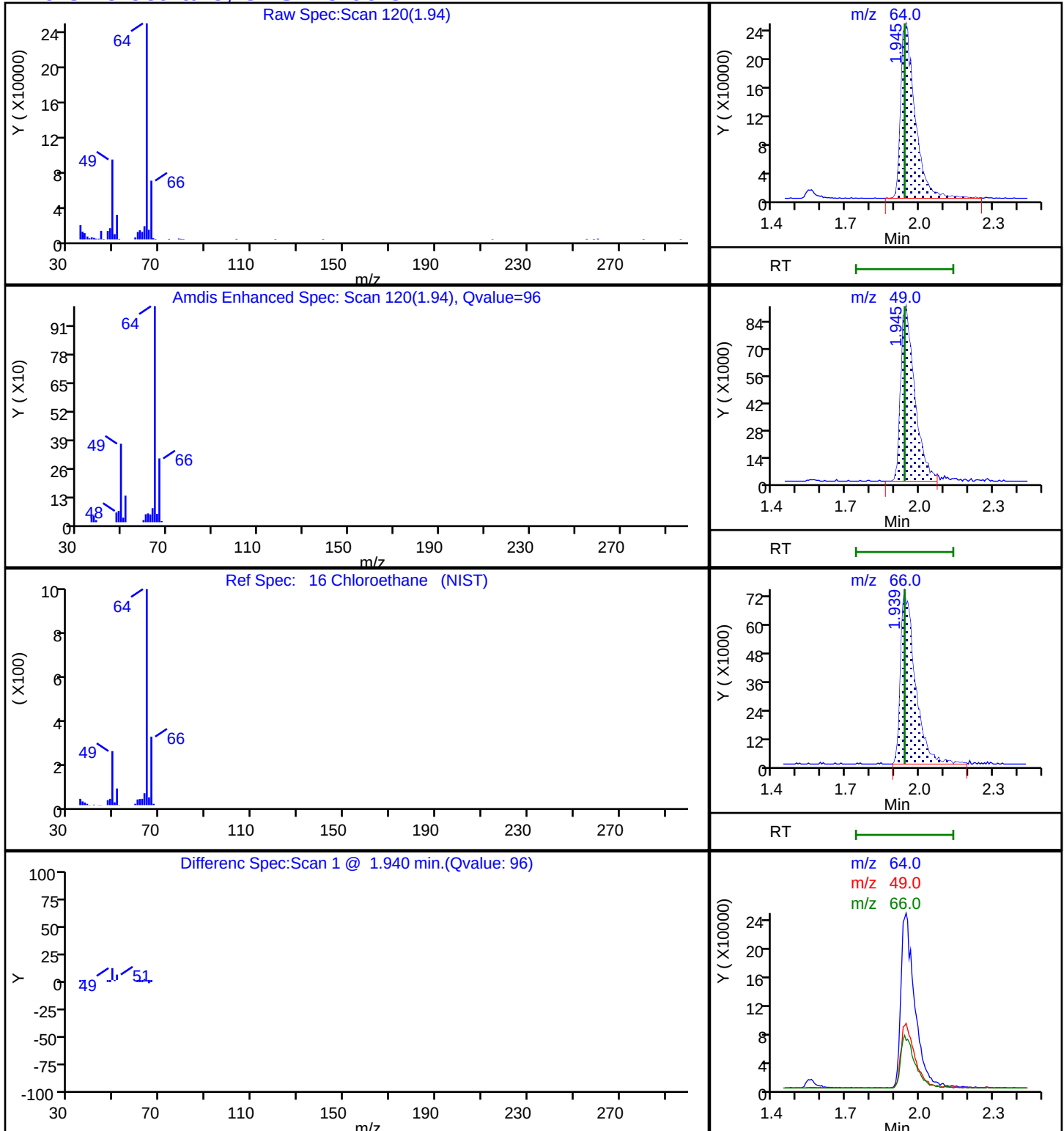
Dil. Factor: 5.0000

Method: N-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\HP5973N\20180721-73271.b\N1711.D

Injection Date: 22-Jul-2018 02:25:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-3

Lab Sample ID: 480-138931-3

Client ID: MW-4

Operator ID: LH

ALS Bottle#: 12

Worklist Smp#: 32

Purge Vol: 5.000 mL

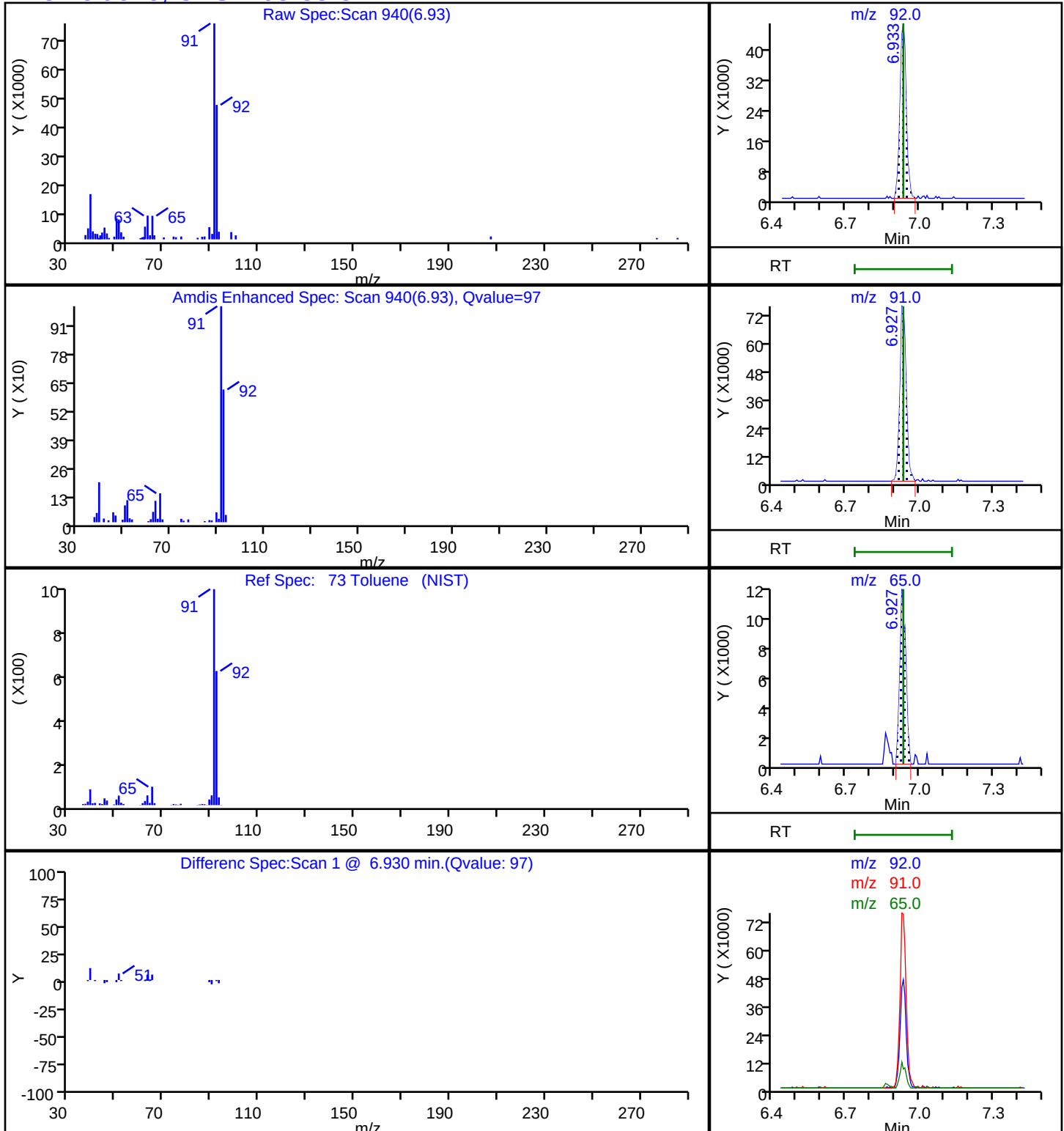
Dil. Factor: 5.0000

Method: N-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\HP5973N\20180721-73271.b\N1711.D

Injection Date: 22-Jul-2018 02:25:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-3

Lab Sample ID: 480-138931-3

Client ID: MW-4

Operator ID: LH

ALS Bottle#: 12

Worklist Smp#: 32

Purge Vol: 5.000 mL

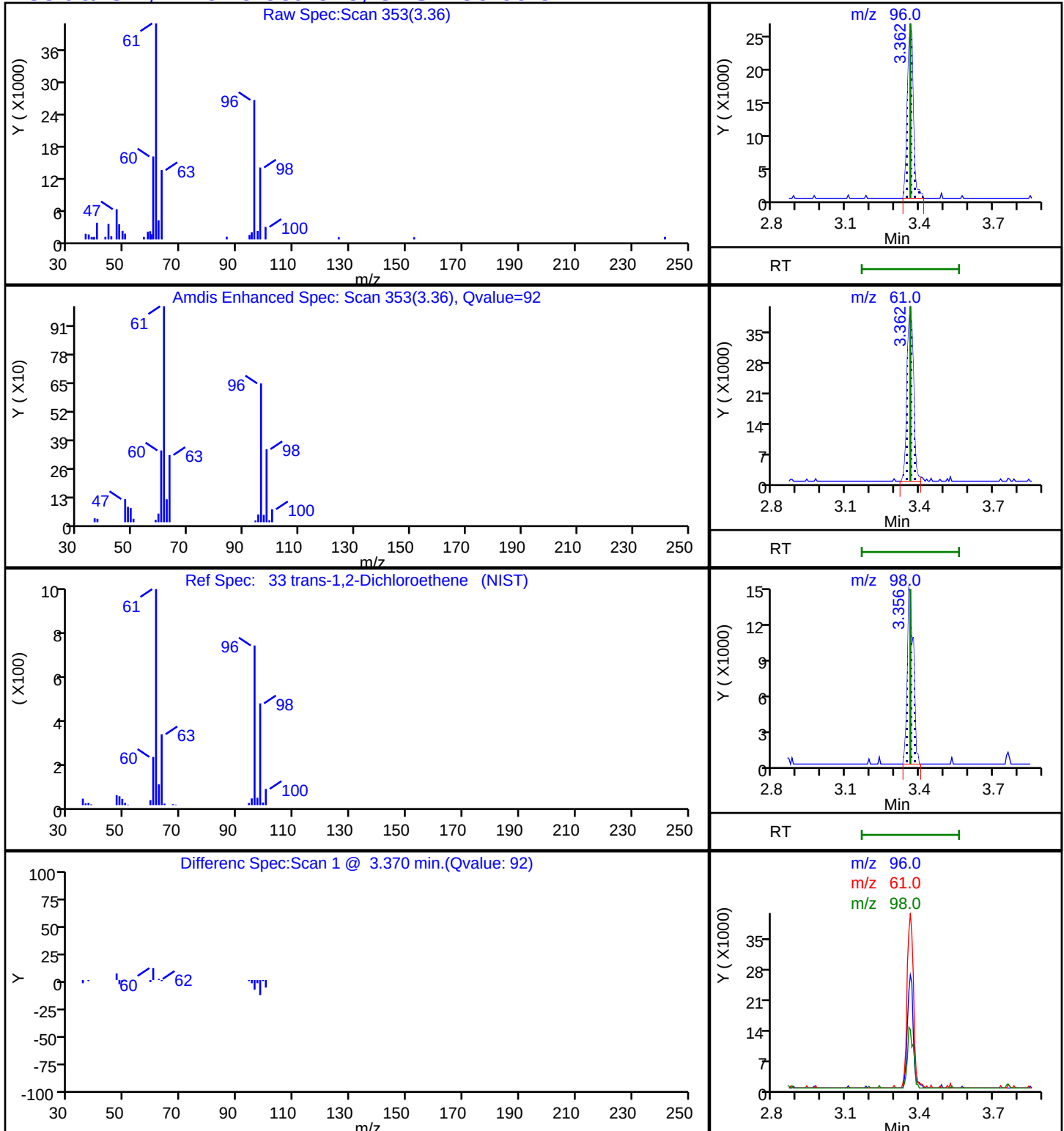
Dil. Factor: 5.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1711.D

Injection Date: 22-Jul-2018 02:25:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-3

Lab Sample ID: 480-138931-3

Client ID: MW-4

Operator ID: LH

ALS Bottle#: 12

Worklist Smp#: 32

Purge Vol: 5.000 mL

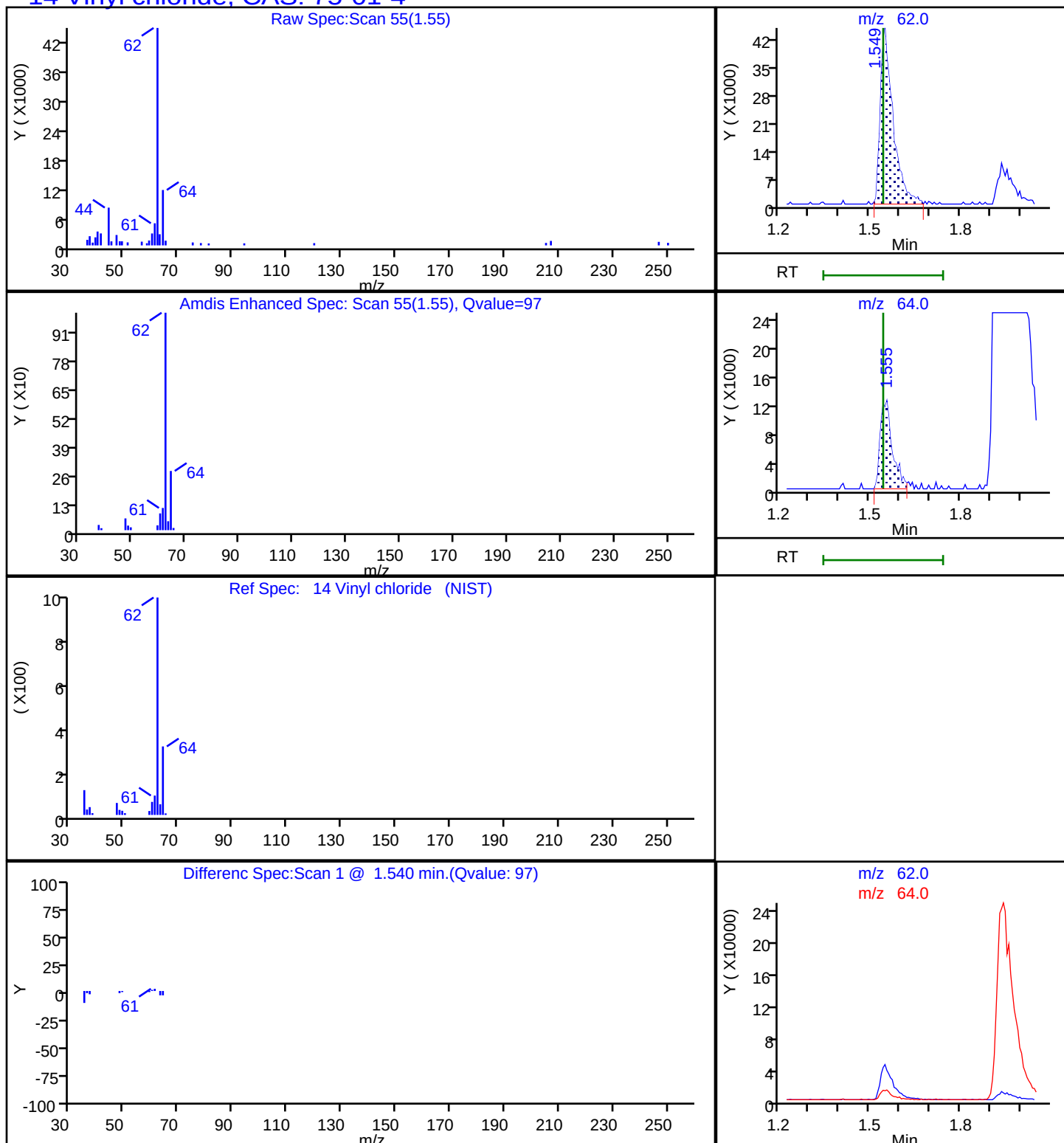
Dil. Factor: 5.0000

Method: N-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\HP5973N\20180721-73271.b\N1711.D

Injection Date: 22-Jul-2018 02:25:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-3

Lab Sample ID: 480-138931-3

Client ID: MW-4

Operator ID: LH

ALS Bottle#: 12 Worklist Smp#: 32

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

Method: N-8260

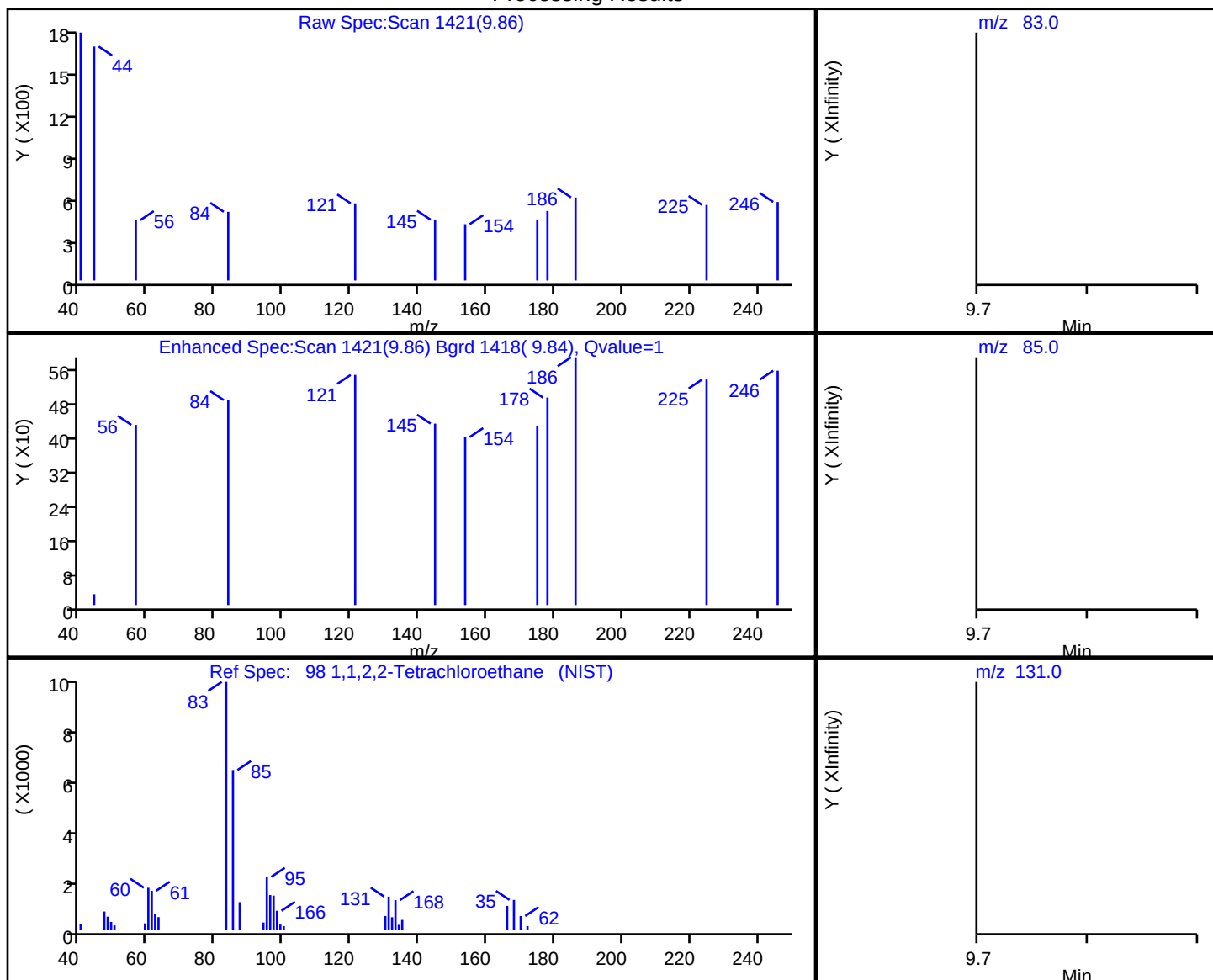
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

98 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
9.86	83.00	340	0.022992
9.79	85.00	0	
9.79	131.00	0	

Reviewer: moffata, 22-Jul-2018 13:45:08

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1711.D

Injection Date: 22-Jul-2018 02:25:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-3

Lab Sample ID: 480-138931-3

Client ID: MW-4

Operator ID: LH

ALS Bottle#: 12 Worklist Smp#: 32

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

Method: N-8260

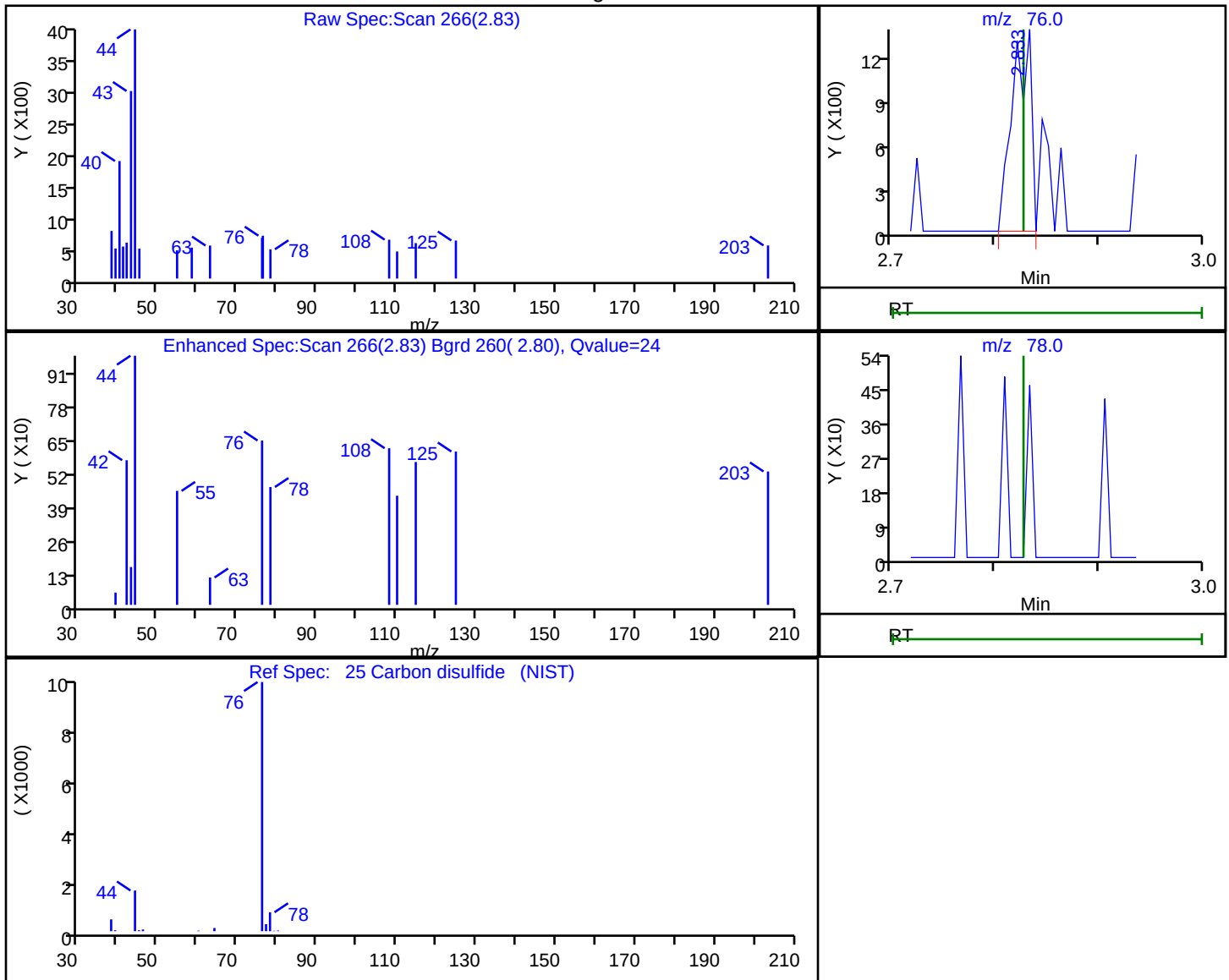
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.83	76.00	1653	0.053675
2.83	78.00	0	

Reviewer: moffata, 22-Jul-2018 13:44:40

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

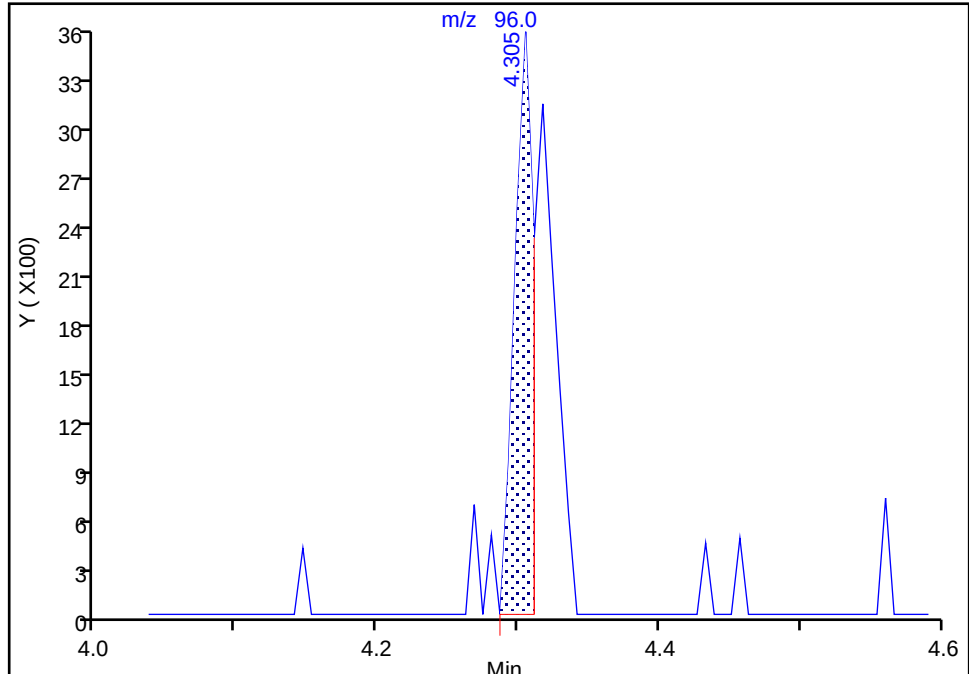
Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1711.D				
Injection Date:	22-Jul-2018 02:25:30	Instrument ID:	HP5973N		
Lims ID:	480-138931-A-3	Lab Sample ID:	480-138931-3		
Client ID:	MW-4				
Operator ID:	LH	ALS Bottle#:	12	Worklist Smp#:	32
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Method:	N-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

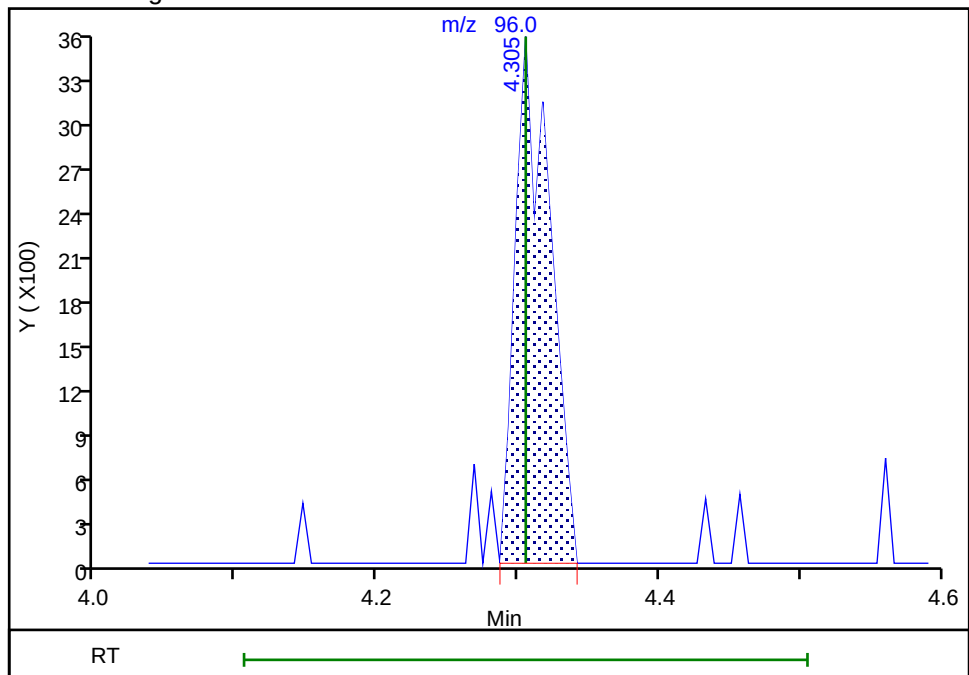
RT: 4.31
Area: 3340
Amount: 0.238263
Amount Units: ug/L

Processing Integration Results



RT: 4.31
Area: 5990
Amount: 0.427304
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 22-Jul-2018 13:44:54

Audit Action: Manually Integrated

Audit Reason: Wrong peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1711.D

Injection Date: 22-Jul-2018 02:25:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-3

Lab Sample ID: 480-138931-3

Client ID: MW-4

Operator ID: LH

ALS Bottle#: 12 Worklist Smp#: 32

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

Method: N-8260

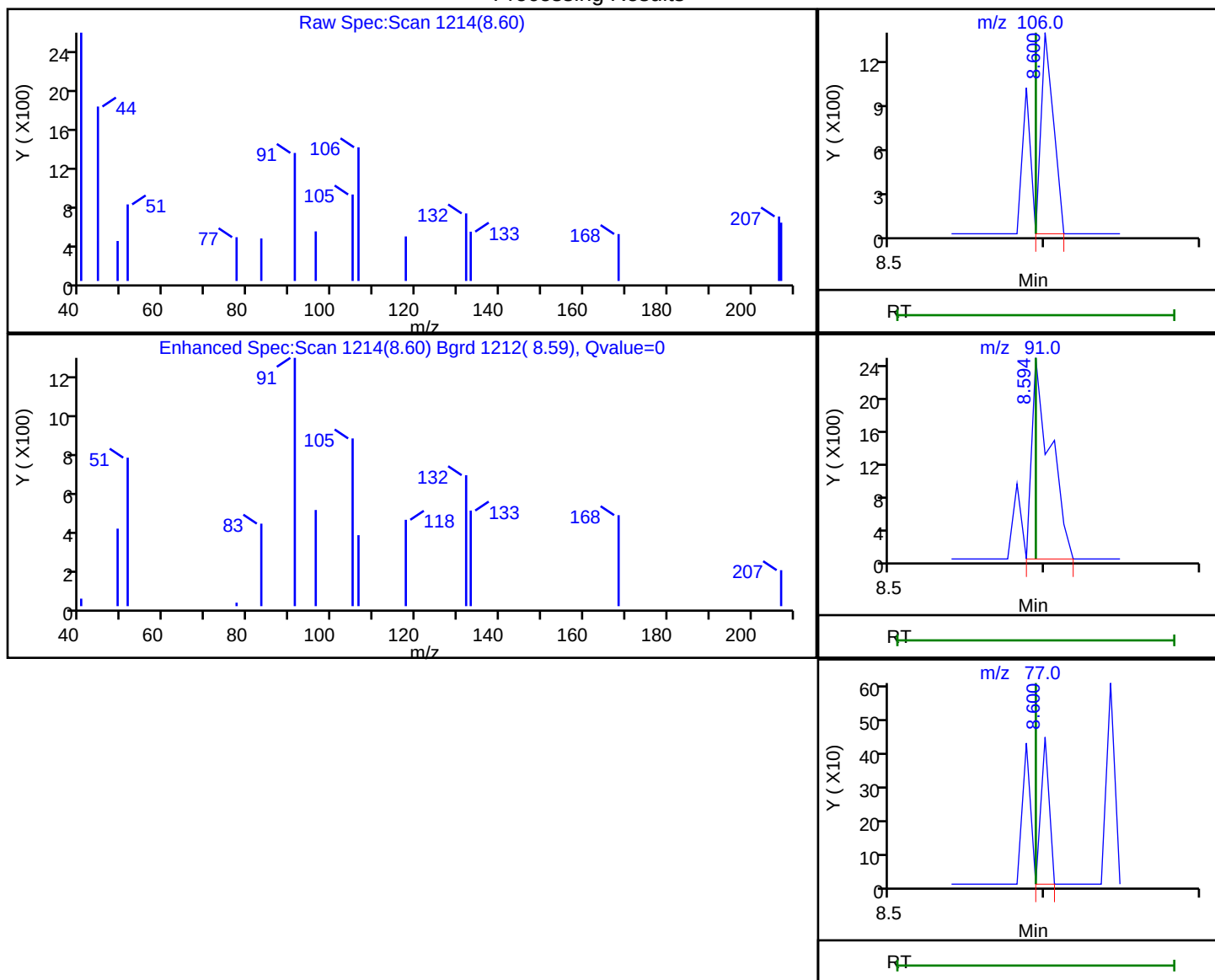
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
8.60	106.00	744	0.040400
8.59	91.00	2071	
8.60	77.00	161	

Reviewer: moffata, 22-Jul-2018 13:45:05

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: Trip Blank - 071318 Lab Sample ID: 480-138931-4

Matrix: Water Lab File ID: N1712.D

Analysis Method: 8260C Date Collected: 07/13/2018 00:00

Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 02:52

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.: 425702 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	0.51	J	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	4.7		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: Trip Blank - 071318 Lab Sample ID: 480-138931-4
 Matrix: Water Lab File ID: N1712.D
 Analysis Method: 8260C Date Collected: 07/13/2018 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 02:52
 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.: 425702 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)	107		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1712.D
 Lims ID: 480-138931-A-4
 Client ID: Trip Blank - 071318
 Sample Type: Client
 Inject. Date: 22-Jul-2018 02:52:30 ALS Bottle#: 13 Worklist Smp#: 33
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138931-A-4
 Misc. Info.: 480-0073271-033
 Operator ID: LH Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Jul-2018 13:45:59 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: moffata

Date: 22-Jul-2018 13:45:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	184695	25.0	
* 2 Chlorobenzene-d5	117	8.345	8.339	0.006	91	668926	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	95	360102	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	-0.001	93	247460	26.3	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.066	5.072	-0.006	0	333981	26.7	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	897838	25.3	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	93	306252	25.6	
11 Dichlorodifluoromethane	85		1.294				ND	
13 Chloromethane	50		1.464				ND	
14 Vinyl chloride	62		1.543				ND	
15 Bromomethane	94		1.847				ND	U
16 Chloroethane	64		1.939				ND	U
18 Trichlorofluoromethane	101		2.145				ND	
22 1,1-Dichloroethene	96		2.632				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43	2.754	2.742	0.018	73	8938	1.70	
25 Carbon disulfide	76		2.827				ND	U
28 Methyl acetate	43		3.040				ND	
30 Methylene Chloride	84	3.131	3.125	0.006	86	3411	0.2741	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96		3.362				ND	
36 1,1-Dichloroethane	63		3.764				ND	
43 cis-1,2-Dichloroethene	96		4.305				ND	
44 2-Butanone (MEK)	43		4.335				ND	
50 Chloroform	83	4.609	4.615	-0.006	96	93122	4.65	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.767				ND	
53 Carbon tetrachloride	117		4.883				ND	
55 Benzene	78		5.090				ND	
57 1,2-Dichloroethane	62		5.145				ND	
60 Trichloroethene	95		5.704				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.838				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83	6.209	6.209	0.000	36	7011	0.5107	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	U
73 Toluene	92		6.933				ND	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.475				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.779				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.269				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.786				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.119				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1712.D

Injection Date: 22-Jul-2018 02:52:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-138931-A-4

Lab Sample ID: 480-138931-4

Worklist Smp#: 33

Client ID: Trip Blank - 071318

Purge Vol: 5.000 mL

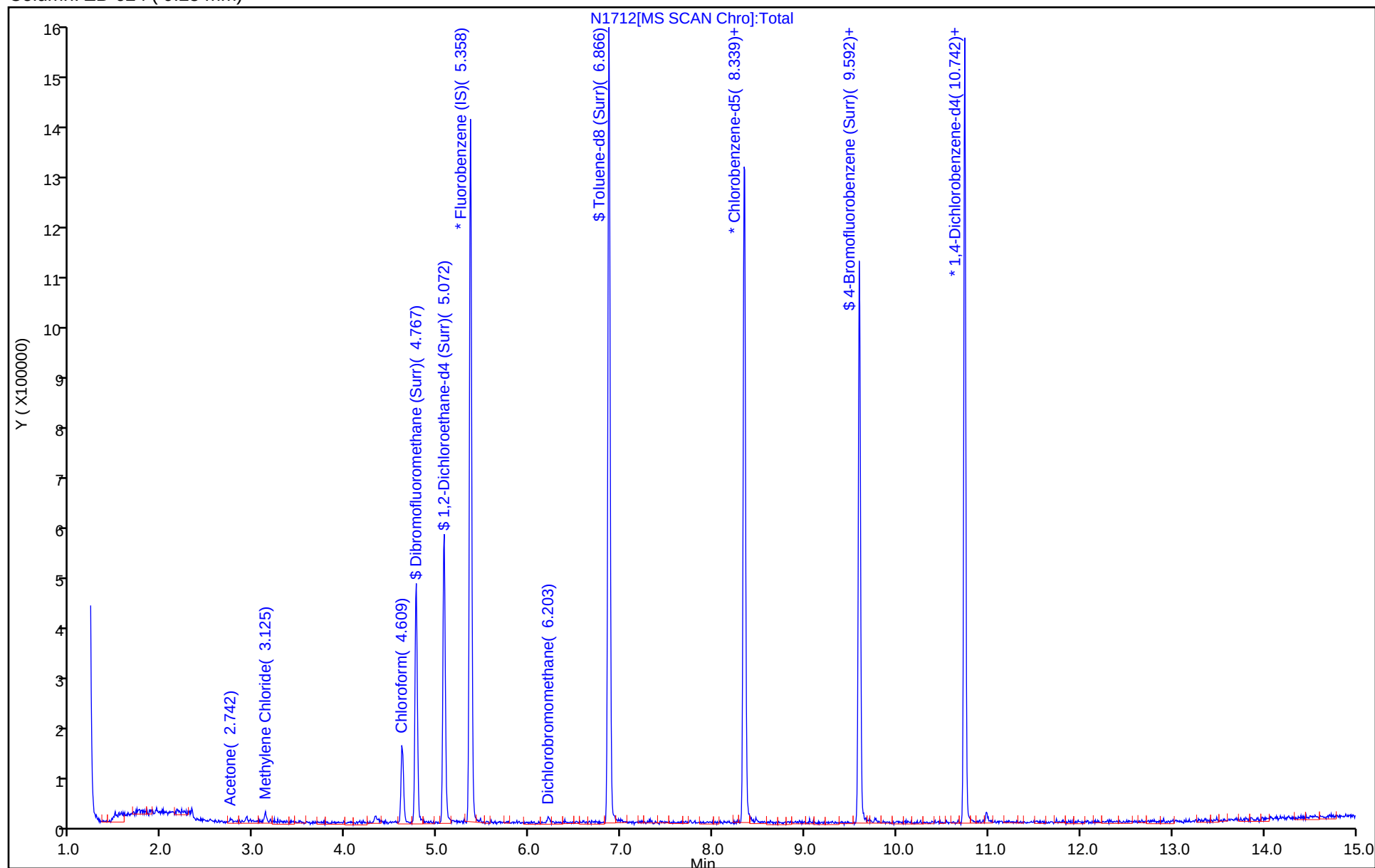
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1712.D

Injection Date: 22-Jul-2018 02:52:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-4

Lab Sample ID: 480-138931-4

Client ID: Trip Blank - 071318

Operator ID: LH

ALS Bottle#: 13

Worklist Smp#: 33

Purge Vol: 5.000 mL

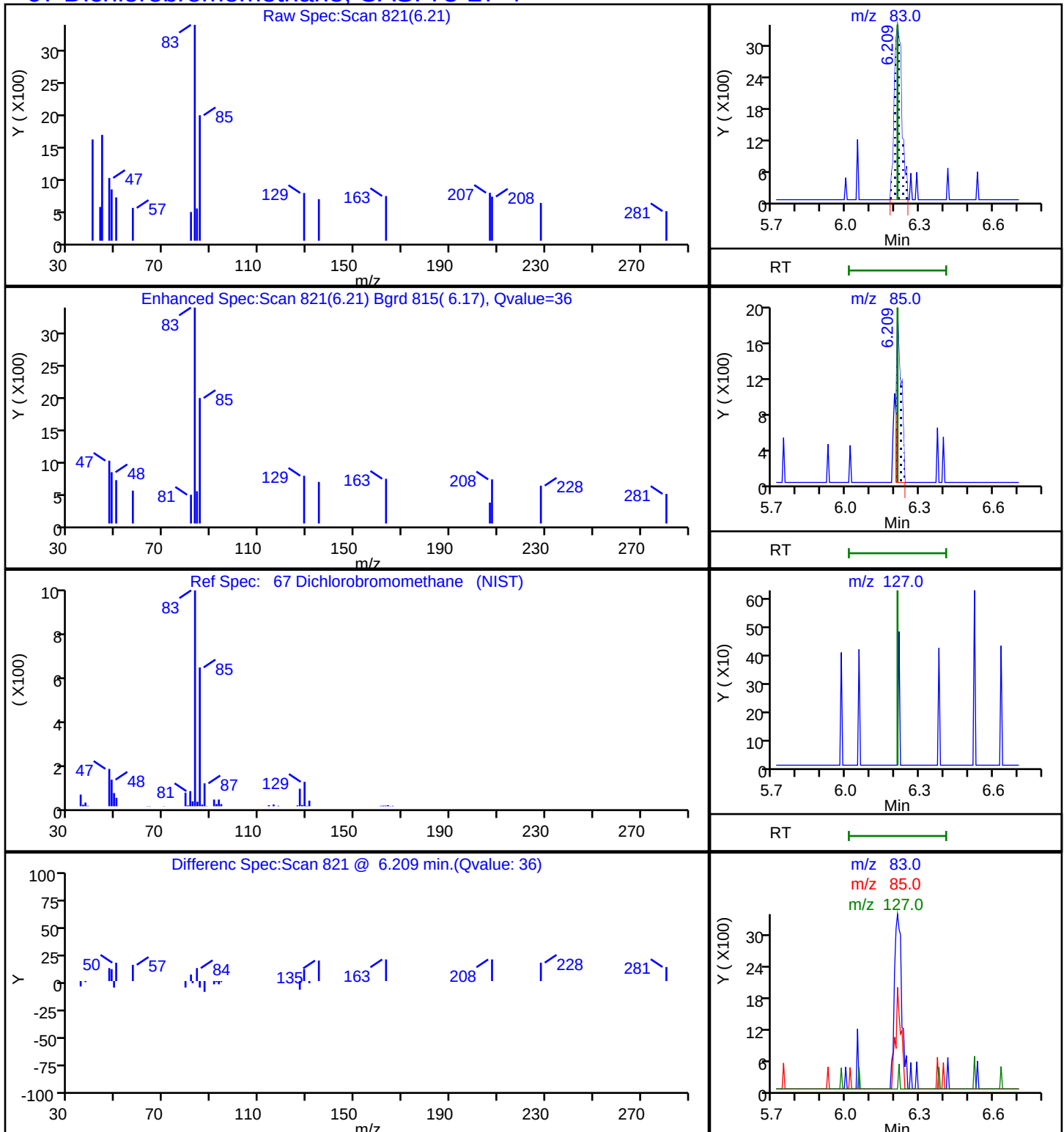
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

67 Dichlorobromomethane, CAS: 75-27-4

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1712.D

Injection Date: 22-Jul-2018 02:52:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-4

Lab Sample ID: 480-138931-4

Client ID: Trip Blank - 071318

Operator ID: LH

ALS Bottle#: 13

Worklist Smp#: 33

Purge Vol: 5.000 mL

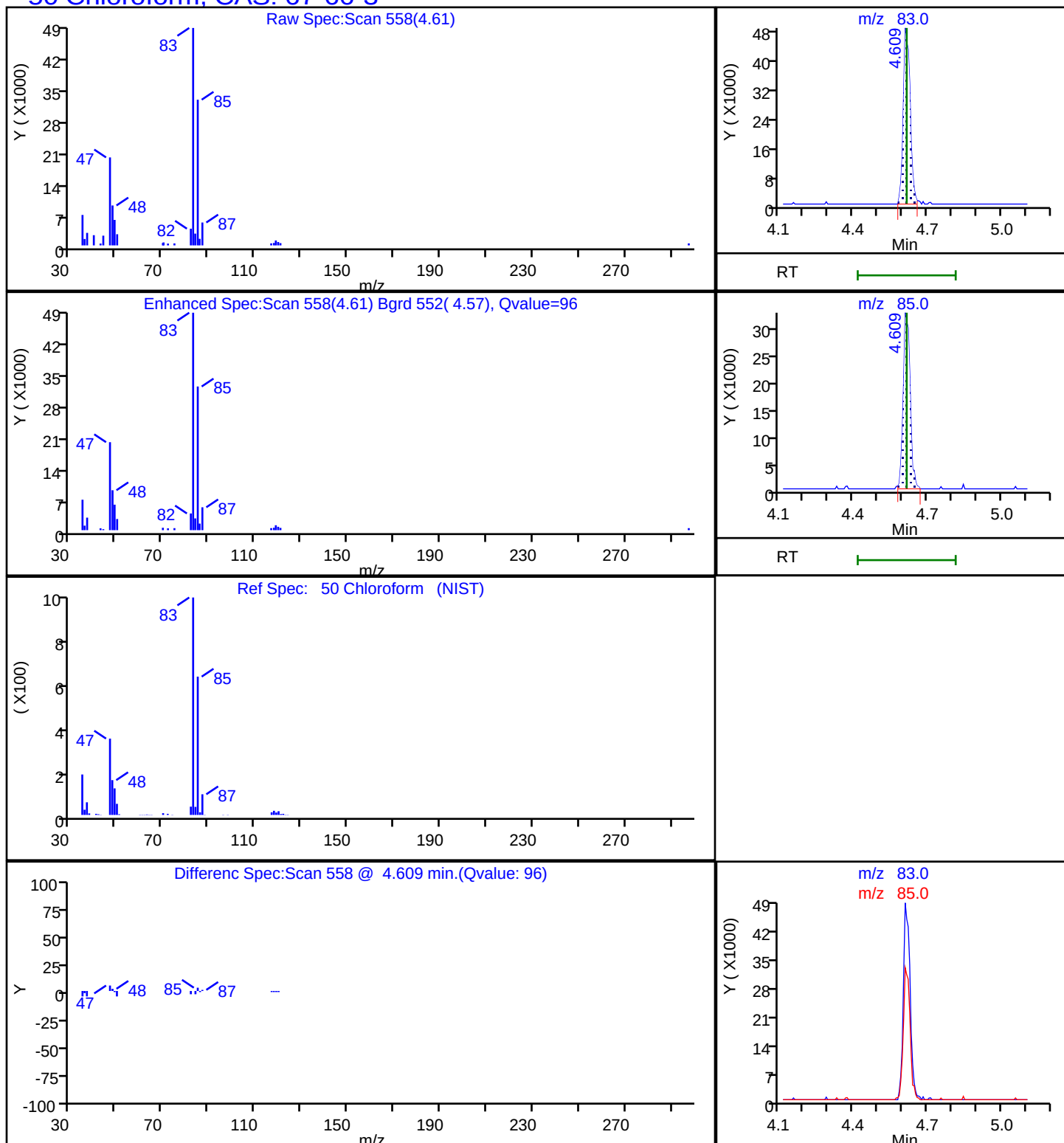
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

50 Chloroform, CAS: 67-66-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1712.D

Injection Date: 22-Jul-2018 02:52:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-4

Lab Sample ID: 480-138931-4

Client ID: Trip Blank - 071318

Operator ID: LH

ALS Bottle#:

13

Worklist Smp#: 33

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

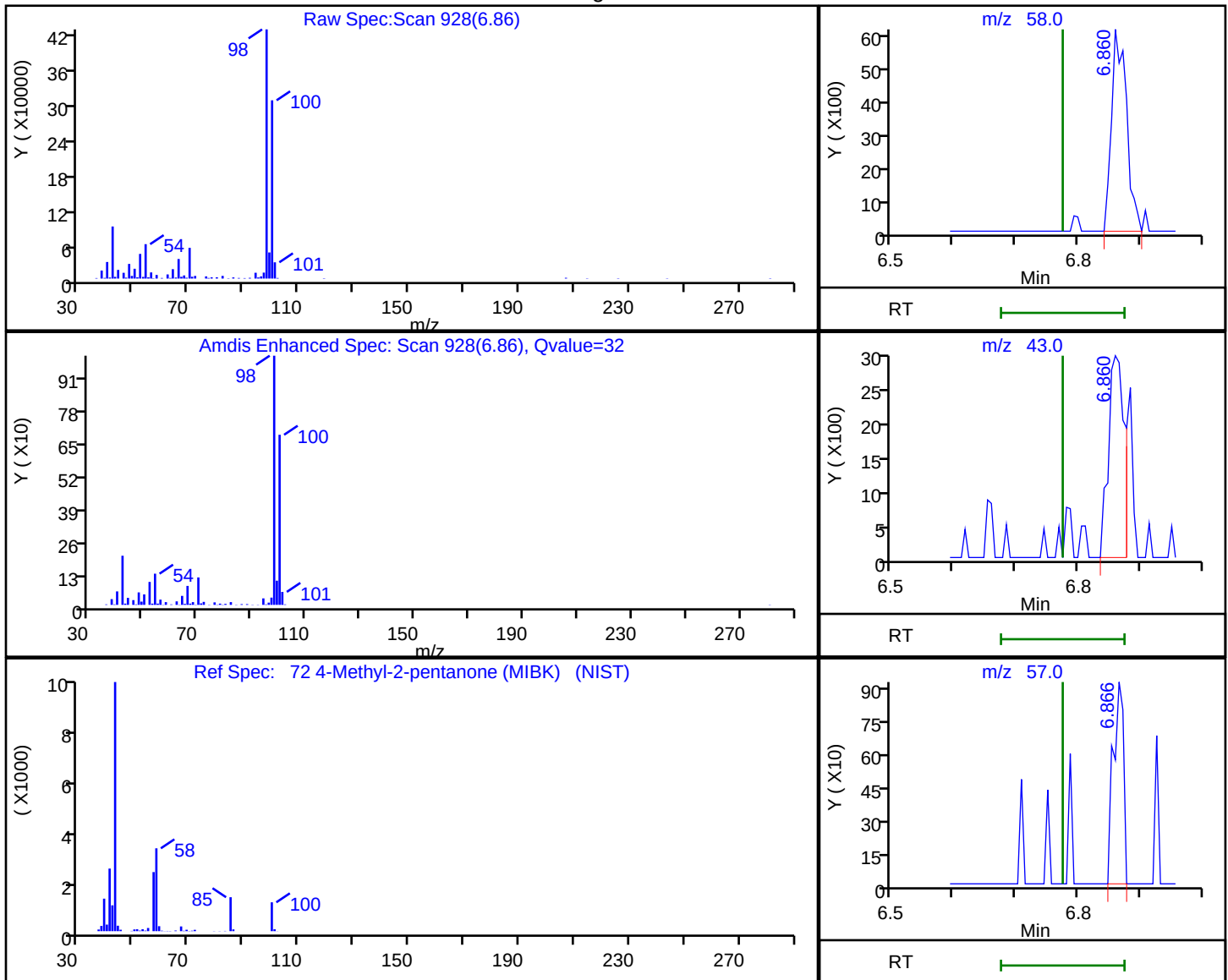
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.86	58.00	10427	1.536813
6.86	43.00	5256	
6.87	57.00	1065	

Reviewer: moffata, 22-Jul-2018 13:45:50

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1712.D

Injection Date: 22-Jul-2018 02:52:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-4

Lab Sample ID: 480-138931-4

Client ID: Trip Blank - 071318

Operator ID: LH

ALS Bottle#:

13

Worklist Smp#: 33

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

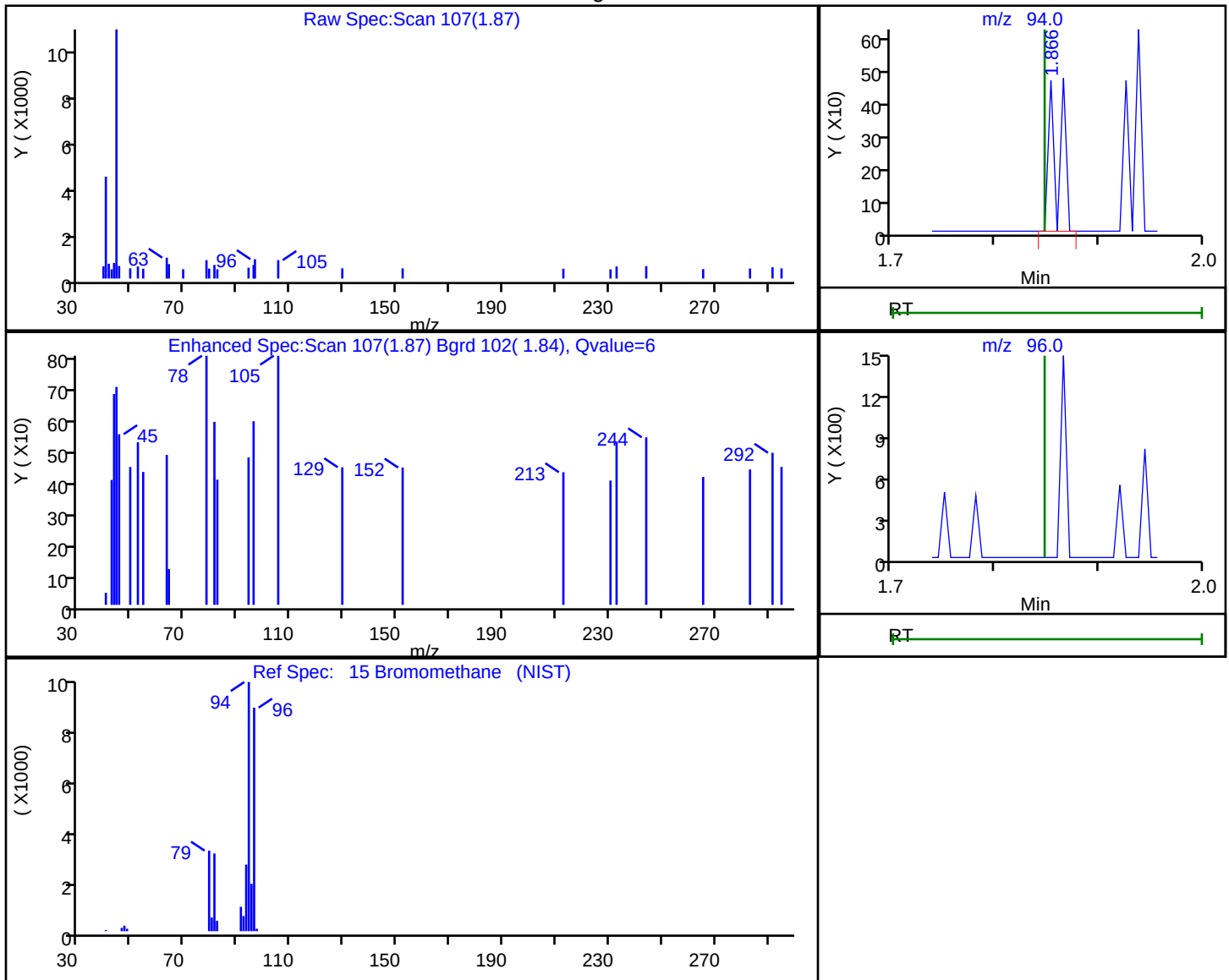
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

15 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.87	94.00	346	0.042380
1.85	96.00	0	

Reviewer: moffata, 22-Jul-2018 13:45:24

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1712.D

Injection Date: 22-Jul-2018 02:52:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-4

Lab Sample ID: 480-138931-4

Client ID: Trip Blank - 071318

Operator ID: LH

ALS Bottle#: 13 Worklist Smp#: 33

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

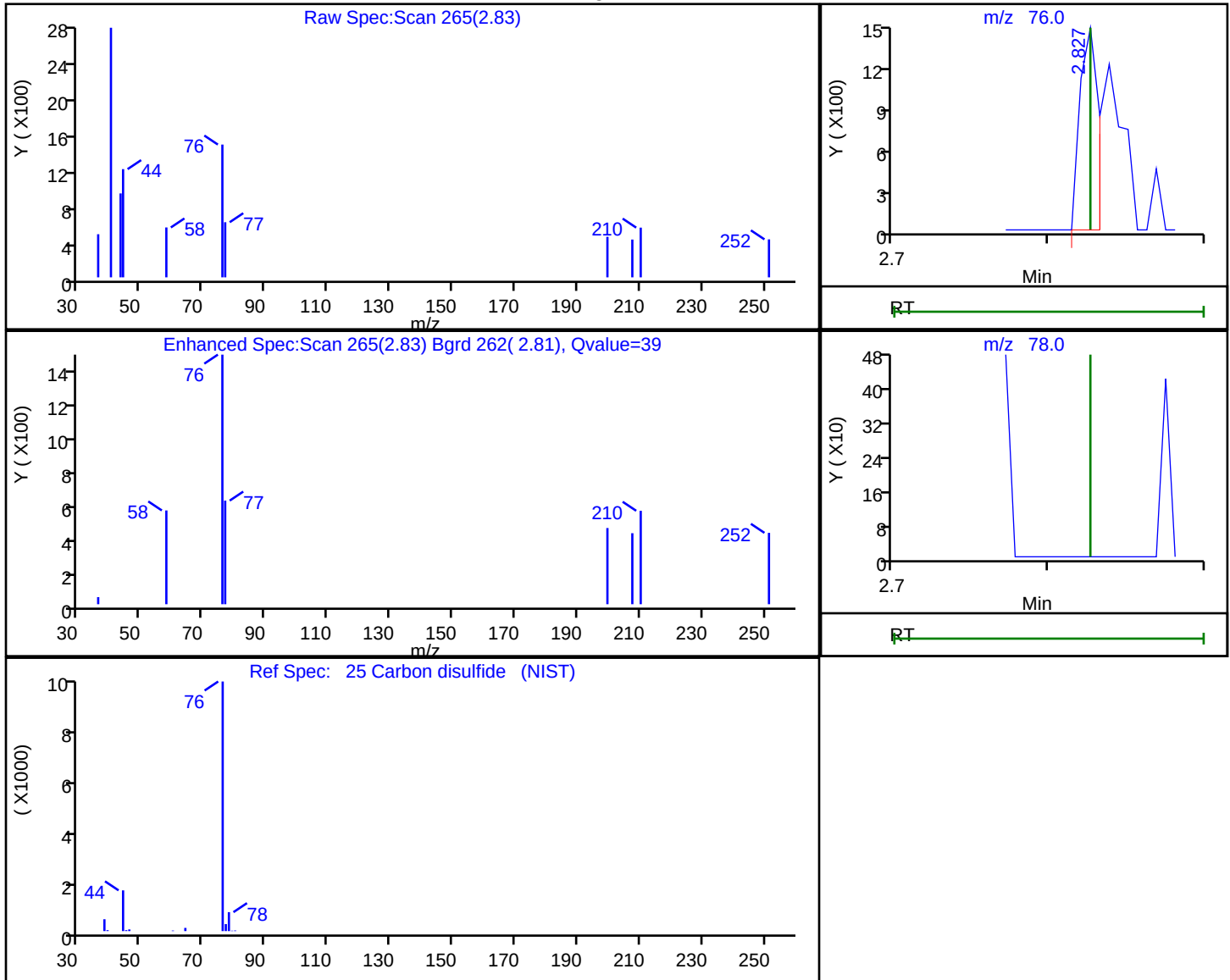
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.83	76.00	1223	0.043475
2.83	78.00	0	

Reviewer: moffata, 22-Jul-2018 13:45:27

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1712.D

Injection Date: 22-Jul-2018 02:52:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-4

Lab Sample ID: 480-138931-4

Client ID: Trip Blank - 071318

Operator ID: LH

ALS Bottle#: 13

Worklist Smp#: 33

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

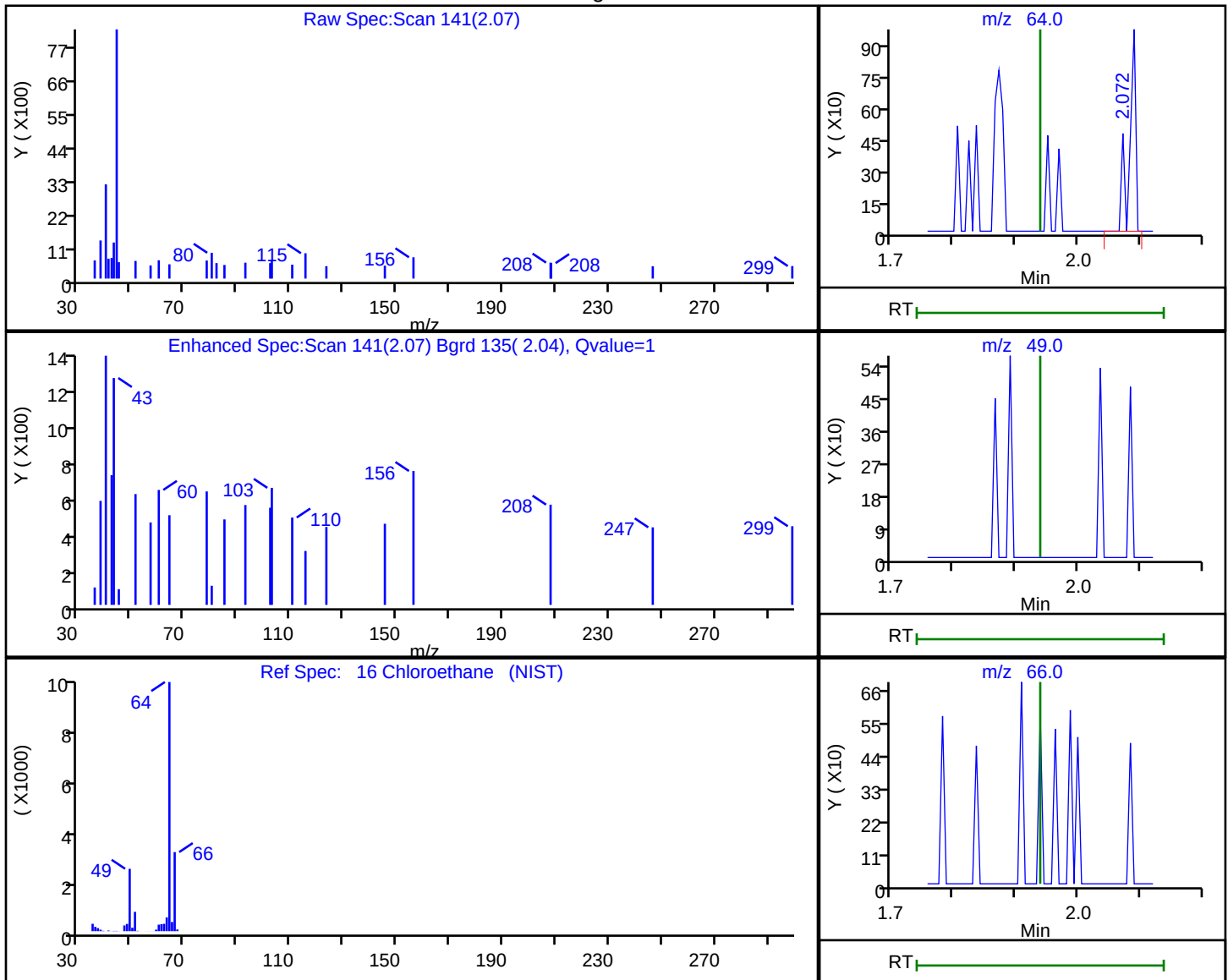
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.07	64.00	702	0.076285
1.94	49.00	0	
1.94	66.00	0	

Reviewer: moffata, 22-Jul-2018 13:45:23

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-10</u>	Lab Sample ID: <u>480-138931-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>N1713.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/13/2018 10:35</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/22/2018 03:20</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>425702</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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: MW-10 Lab Sample ID: 480-138931-5
 Matrix: Water Lab File ID: N1713.D
 Analysis Method: 8260C Date Collected: 07/13/2018 10:35
 Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 03:20
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 425702 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)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1713.D
 Lims ID: 480-138931-A-5
 Client ID: MW-10
 Sample Type: Client
 Inject. Date: 22-Jul-2018 03:20:30 ALS Bottle#: 14 Worklist Smp#: 34
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138931-A-5
 Misc. Info.: 480-0073271-034
 Operator ID: LH Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Jul-2018 13:47:11 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: moffata

Date: 22-Jul-2018 13:47:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	197186	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.339	-0.001	90	715198	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	95	386090	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.774	4.767	0.006	92	238430	23.7	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	348540	26.1	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	956700	25.2	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.592	0.006	95	319795	25.0	
11 Dichlorodifluoromethane	85		1.294				ND	
13 Chloromethane	50		1.464				ND	
14 Vinyl chloride	62		1.543				ND	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64		1.939				ND	
18 Trichlorofluoromethane	101		2.145				ND	U
22 1,1-Dichloroethene	96		2.632				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43	2.736	2.742	0.000	37	5319	0.9479	
25 Carbon disulfide	76		2.827				ND	
28 Methyl acetate	43		3.040				ND	
30 Methylene Chloride	84		3.125				ND	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96		3.362				ND	
36 1,1-Dichloroethane	63		3.764				ND	
43 cis-1,2-Dichloroethene	96		4.305				ND	
44 2-Butanone (MEK)	43		4.335				ND	U
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.767				ND	
53 Carbon tetrachloride	117		4.883				ND	
55 Benzene	78		5.090				ND	
57 1,2-Dichloroethane	62		5.145				ND	
60 Trichloroethene	95		5.704				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.838				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	
73 Toluene	92		6.933				ND	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.475				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.779				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.269				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.786				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.119				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1713.D

Injection Date: 22-Jul-2018 03:20:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-138931-A-5

Lab Sample ID: 480-138931-5

Worklist Smp#: 34

Client ID: MW-10

Purge Vol: 5.000 mL

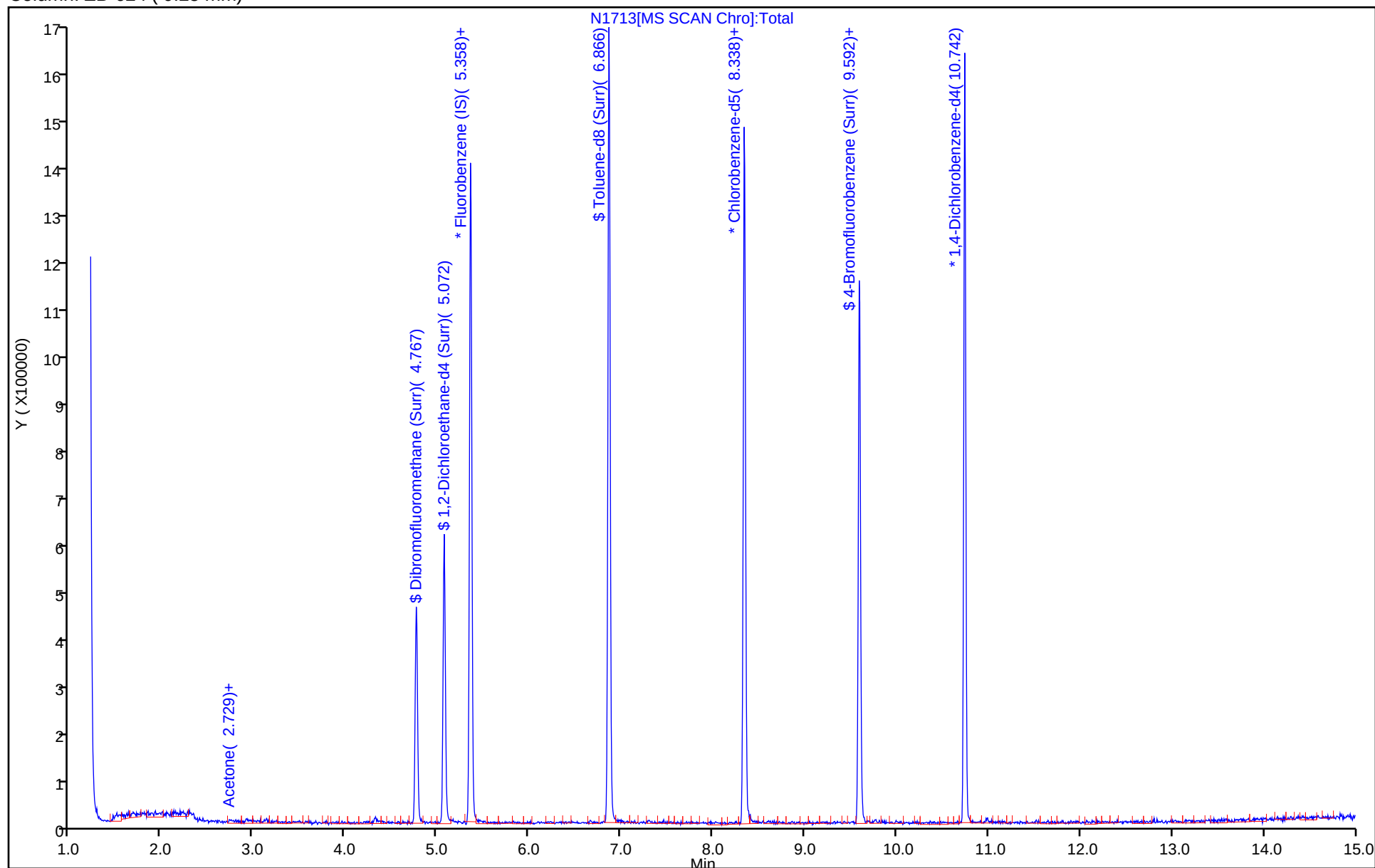
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1713.D

Injection Date: 22-Jul-2018 03:20:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-5

Lab Sample ID: 480-138931-5

Client ID: MW-10

Operator ID: LH

ALS Bottle#: 14 Worklist Smp#: 34

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

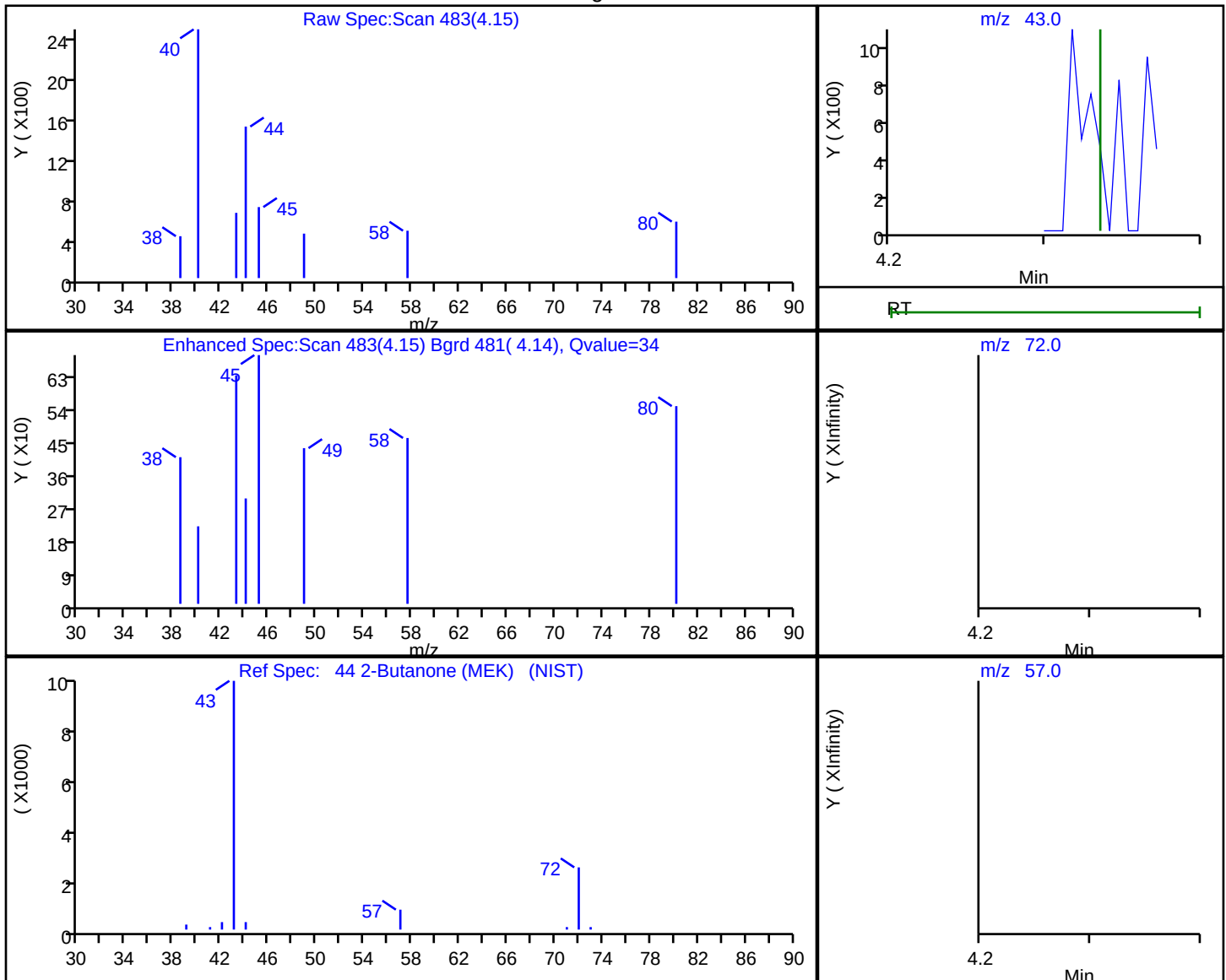
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
4.15	43.00	230	0.021803
4.16	57.00	398	
4.34	72.00	0	

Reviewer: moffata, 22-Jul-2018 13:46:18

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1713.D

Injection Date: 22-Jul-2018 03:20:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-5

Lab Sample ID: 480-138931-5

Client ID: MW-10

Operator ID: LH

ALS Bottle#: 14 Worklist Smp#: 34

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

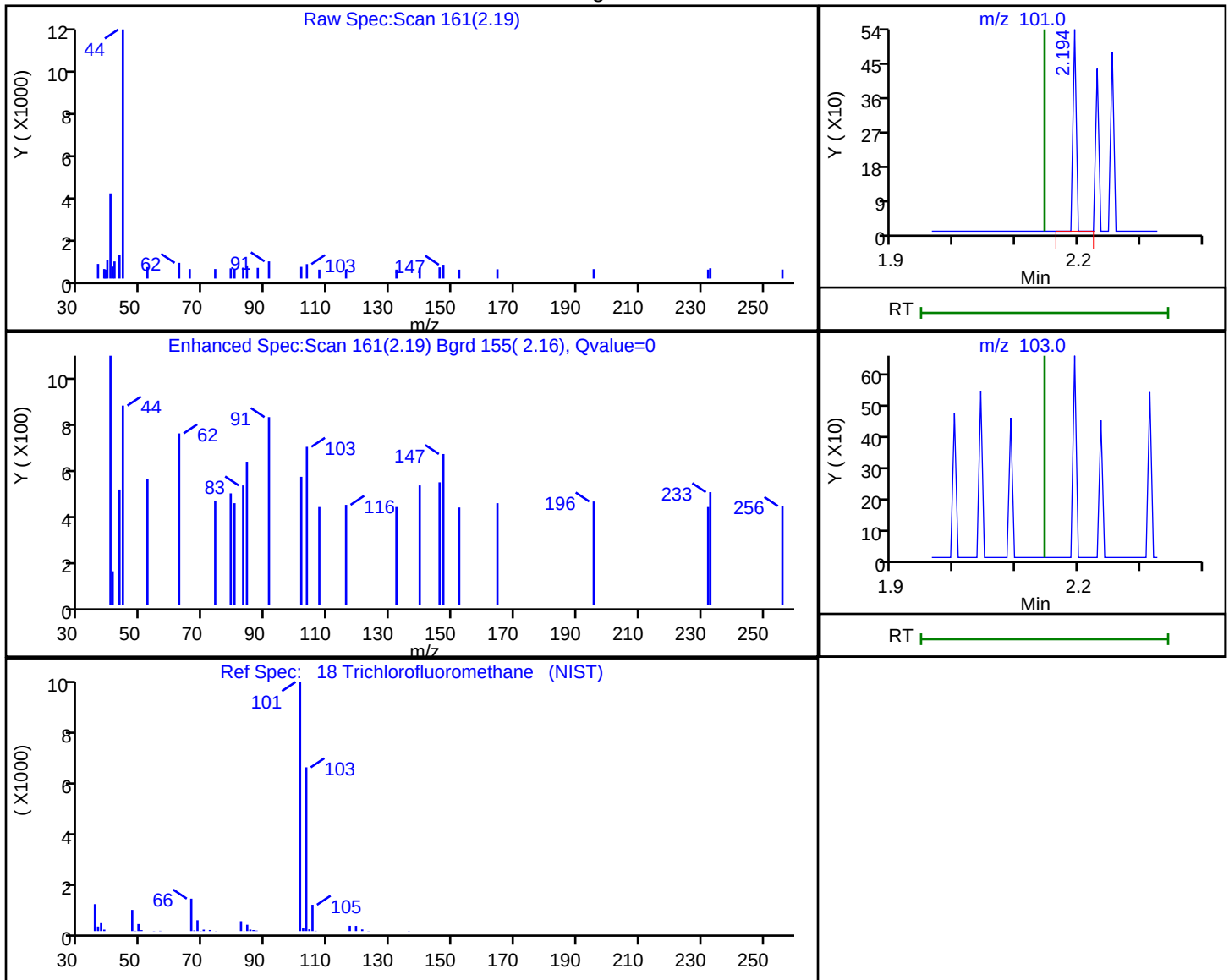
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

18 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
2.19	101.00	195	0.012129
2.15	103.00	0	

Reviewer: moffata, 22-Jul-2018 13:46:11

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-13S</u>	Lab Sample ID: <u>480-138931-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>N1714.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/13/2018 12:20</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/22/2018 03:47</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>425702</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	15	J	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	ND		400	120
71-43-2	Benzene	ND		40	16
75-27-4	Bromodichloromethane	ND		40	16
75-25-2	Bromoform	ND		40	10
74-83-9	Bromomethane	ND		40	28
75-15-0	Carbon disulfide	ND		40	7.6
56-23-5	Carbon tetrachloride	ND		40	11
108-90-7	Chlorobenzene	ND		40	30
75-00-3	Chloroethane	ND		40	13
67-66-3	Chloroform	ND		40	14
74-87-3	Chloromethane	ND		40	14
156-59-2	cis-1,2-Dichloroethene	1500		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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: MW-13S Lab Sample ID: 480-138931-6
 Matrix: Water Lab File ID: N1714.D
 Analysis Method: 8260C Date Collected: 07/13/2018 12:20
 Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 03:47
 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.: 425702 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	ND		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	880		40	36
1330-20-7	Xylenes, Total	ND		80	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1714.D
 Lims ID: 480-138931-A-6
 Client ID: MW-13S
 Sample Type: Client
 Inject. Date: 22-Jul-2018 03:47:30 ALS Bottle#: 15 Worklist Smp#: 35
 Purge Vol: 5.000 mL Dil. Factor: 40.0000
 Sample Info: 480-138931-A-6
 Misc. Info.: 480-0073271-035
 Operator ID: LH Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Jul-2018 13:49:09 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: moffata

Date: 22-Jul-2018 13:49:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.357	5.358	-0.001	98	191225	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.339	-0.001	90	711396	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.742	-0.001	95	381355	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	-0.001	93	241585	24.8	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	347770	26.8	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	955458	25.3	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.592	0.006	91	323055	25.4	
11 Dichlorodifluoromethane	85		1.294				ND	
13 Chloromethane	50		1.464				ND	
14 Vinyl chloride	62	1.543	1.543	0.000	98	368288	22.0	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64		1.939				ND	U
18 Trichlorofluoromethane	101		2.145				ND	
22 1,1-Dichloroethene	96	2.638	2.632	0.006	16	2192	0.2278	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43		2.736				ND	U
25 Carbon disulfide	76		2.827				ND	U
28 Methyl acetate	43		3.040				ND	
30 Methylene Chloride	84	3.131	3.125	0.006	56	2911	0.2259	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96		3.362				ND	U
36 1,1-Dichloroethane	63	3.757	3.757	-0.007	21	8985	0.3722	M
43 cis-1,2-Dichloroethene	96	4.311	4.305	0.006	85	510414	38.5	
44 2-Butanone (MEK)	43		4.335				ND	
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.767				ND	
53 Carbon tetrachloride	117		4.883				ND	
55 Benzene	78		5.090				ND	
57 1,2-Dichloroethane	62		5.145				ND	
60 Trichloroethene	95		5.704				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.838				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	U
73 Toluene	92		6.933				ND	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.475				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.779				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.269				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.786				ND	U
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.119				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180721-73271.b\\N1714.D

Injection Date: 22-Jul-2018 03:47:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-138931-A-6

Lab Sample ID: 480-138931-6

Worklist Smp#: 35

Client ID: MW-13S

Purge Vol: 5.000 mL

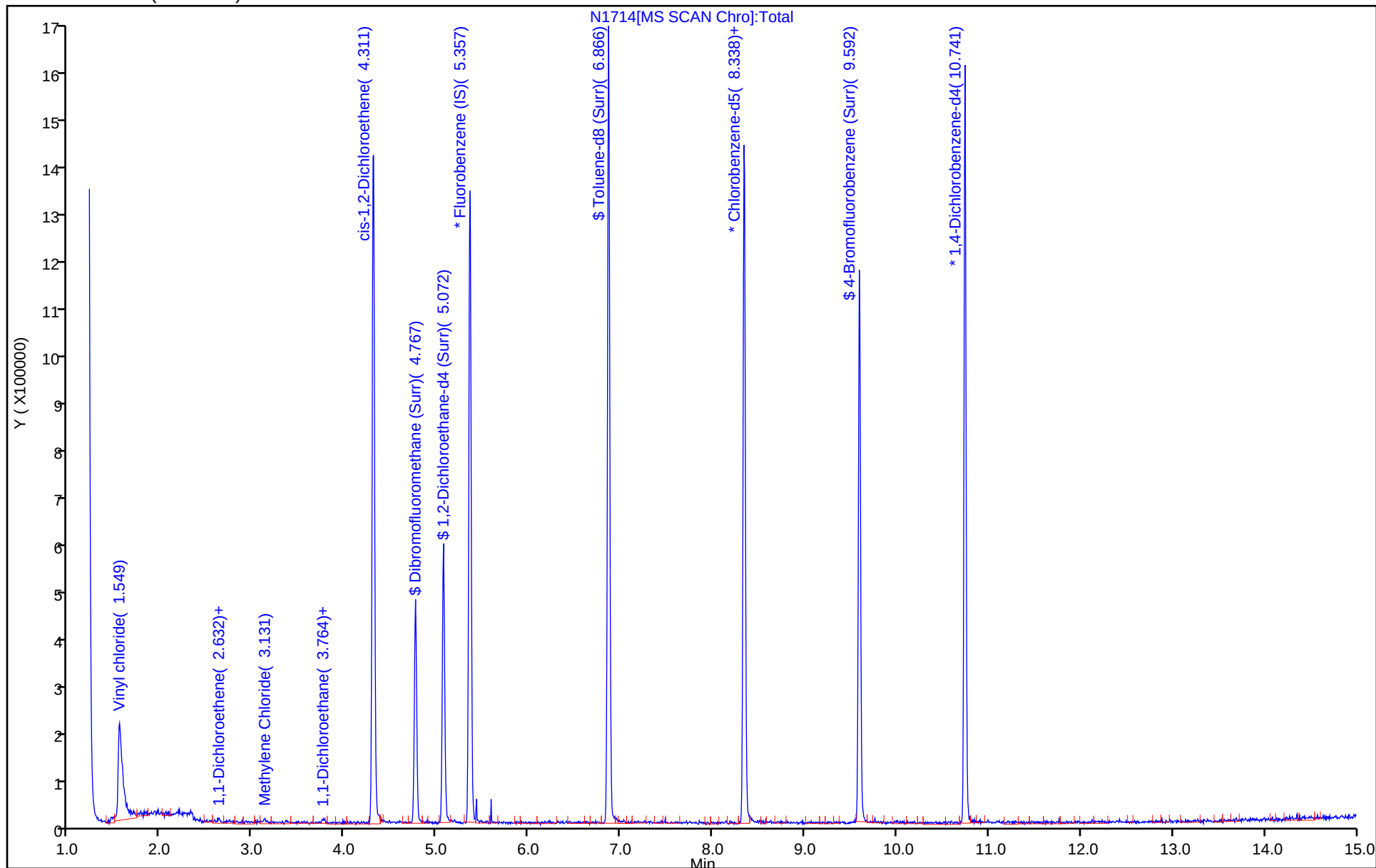
Dil. Factor: 40.0000

ALS Bottle#: 15

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1714.D

Injection Date: 22-Jul-2018 03:47:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-6

Lab Sample ID: 480-138931-6

Client ID: MW-13S

Operator ID: LH

ALS Bottle#: 15

Worklist Smp#: 35

Purge Vol: 5.000 mL

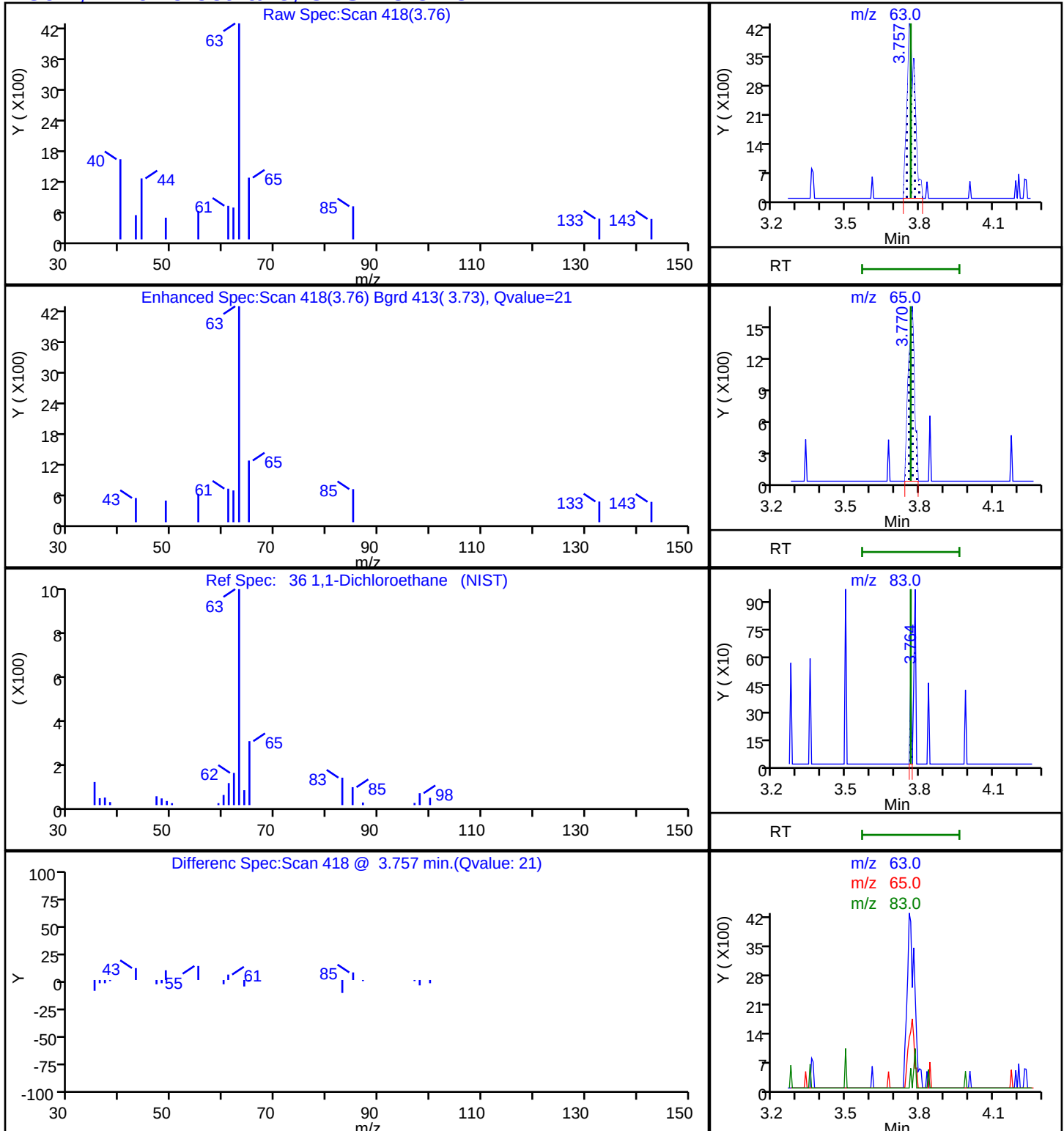
Dil. Factor: 40.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Detector MS SCAN

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1714.D

Injection Date: 22-Jul-2018 03:47:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-6

Lab Sample ID: 480-138931-6

Client ID: MW-13S

Operator ID: LH

ALS Bottle#: 15

Worklist Smp#: 35

Purge Vol: 5.000 mL

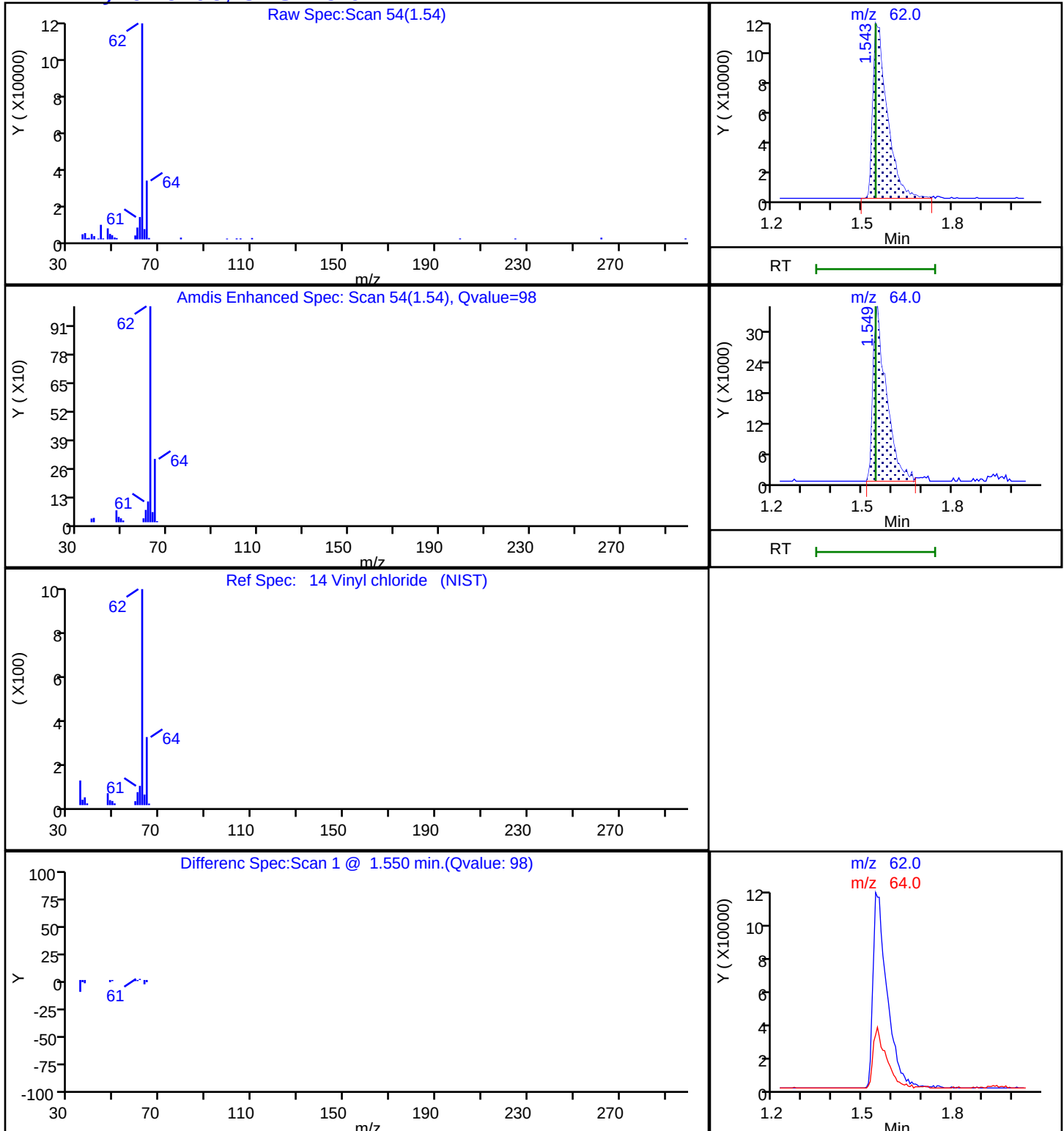
Dil. Factor: 40.0000

Method: N-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\HP5973N\20180721-73271.b\N1714.D

Injection Date: 22-Jul-2018 03:47:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-6

Lab Sample ID: 480-138931-6

Client ID: MW-13S

Operator ID: LH

ALS Bottle#: 15 Worklist Smp#: 35

Purge Vol: 5.000 mL

Dil. Factor: 40.0000

Method: N-8260

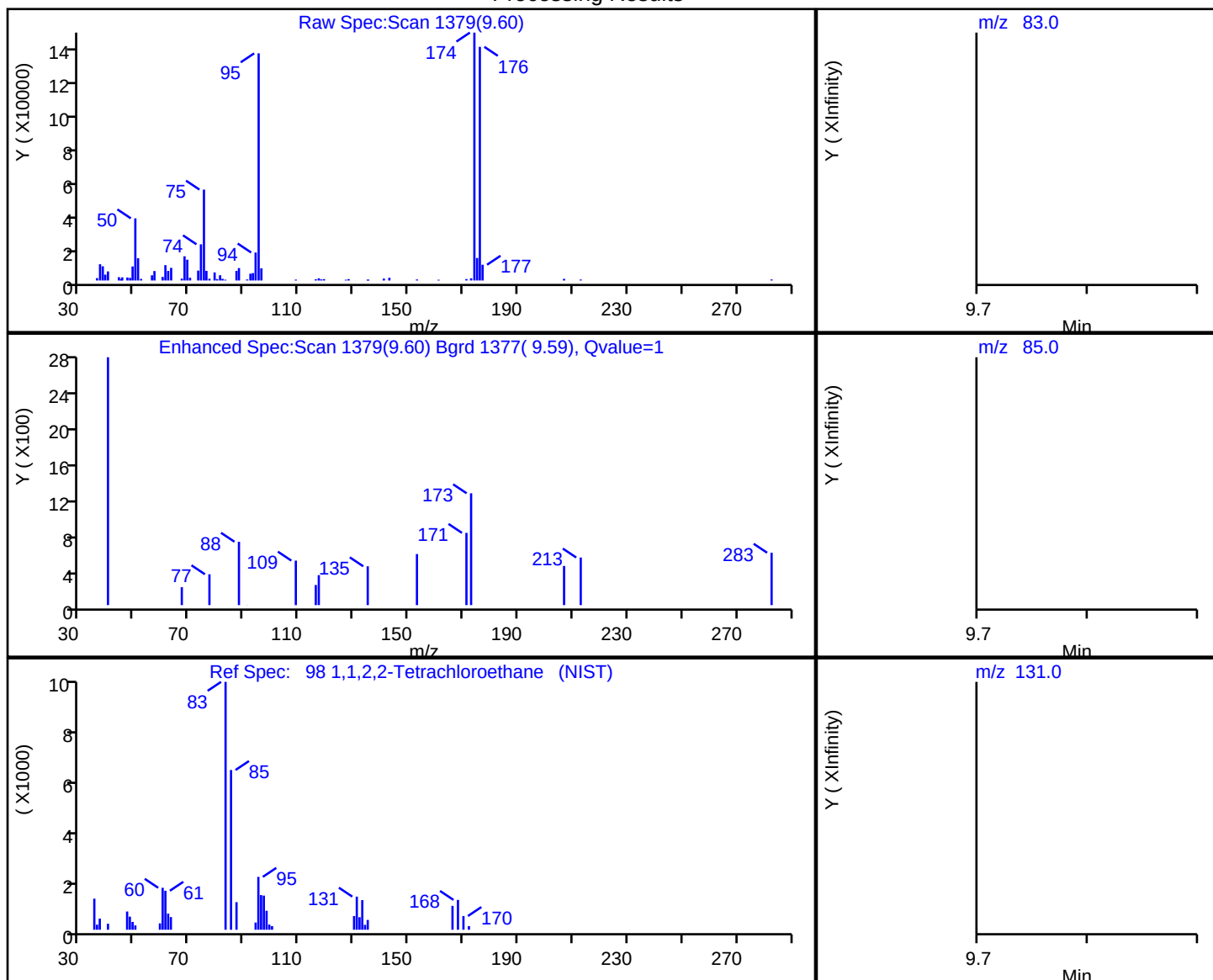
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

98 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
9.60	83.00	166	0.011382
9.79	85.00	0	
9.79	131.00	0	

Reviewer: moffata, 22-Jul-2018 13:49:06

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

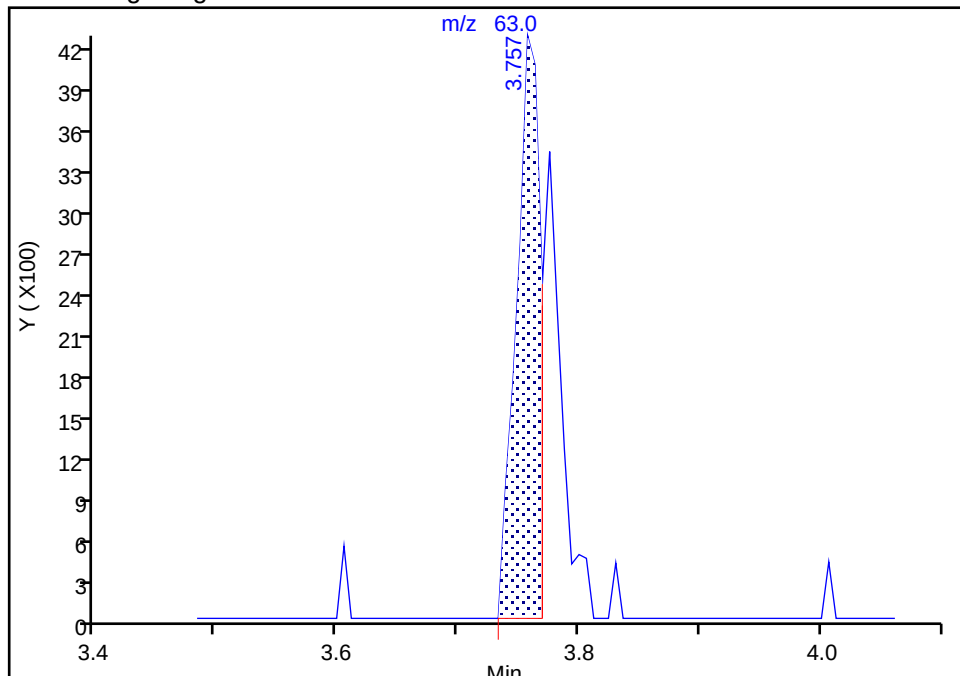
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1714.D
Injection Date: 22-Jul-2018 03:47:30 Instrument ID: HP5973N
Lims ID: 480-138931-A-6 Lab Sample ID: 480-138931-6
Client ID: MW-13S
Operator ID: LH ALS Bottle#: 15 Worklist Smp#: 35
Purge Vol: 5.000 mL Dil. Factor: 40.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

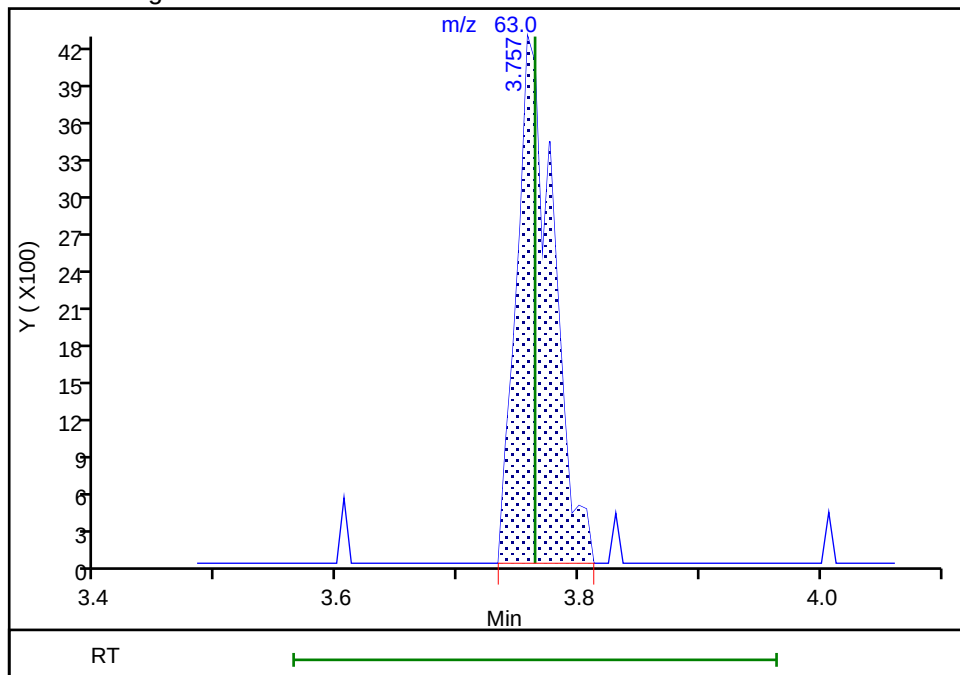
RT: 3.76
Area: 5954
Amount: 0.246621
Amount Units: ug/L

Processing Integration Results



RT: 3.76
Area: 8985
Amount: 0.372169
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 22-Jul-2018 13:48:08

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1714.D

Injection Date: 22-Jul-2018 03:47:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-6

Lab Sample ID: 480-138931-6

Client ID: MW-13S

Operator ID: LH

ALS Bottle#: 15 Worklist Smp#: 35

Purge Vol: 5.000 mL

Dil. Factor: 40.0000

Method: N-8260

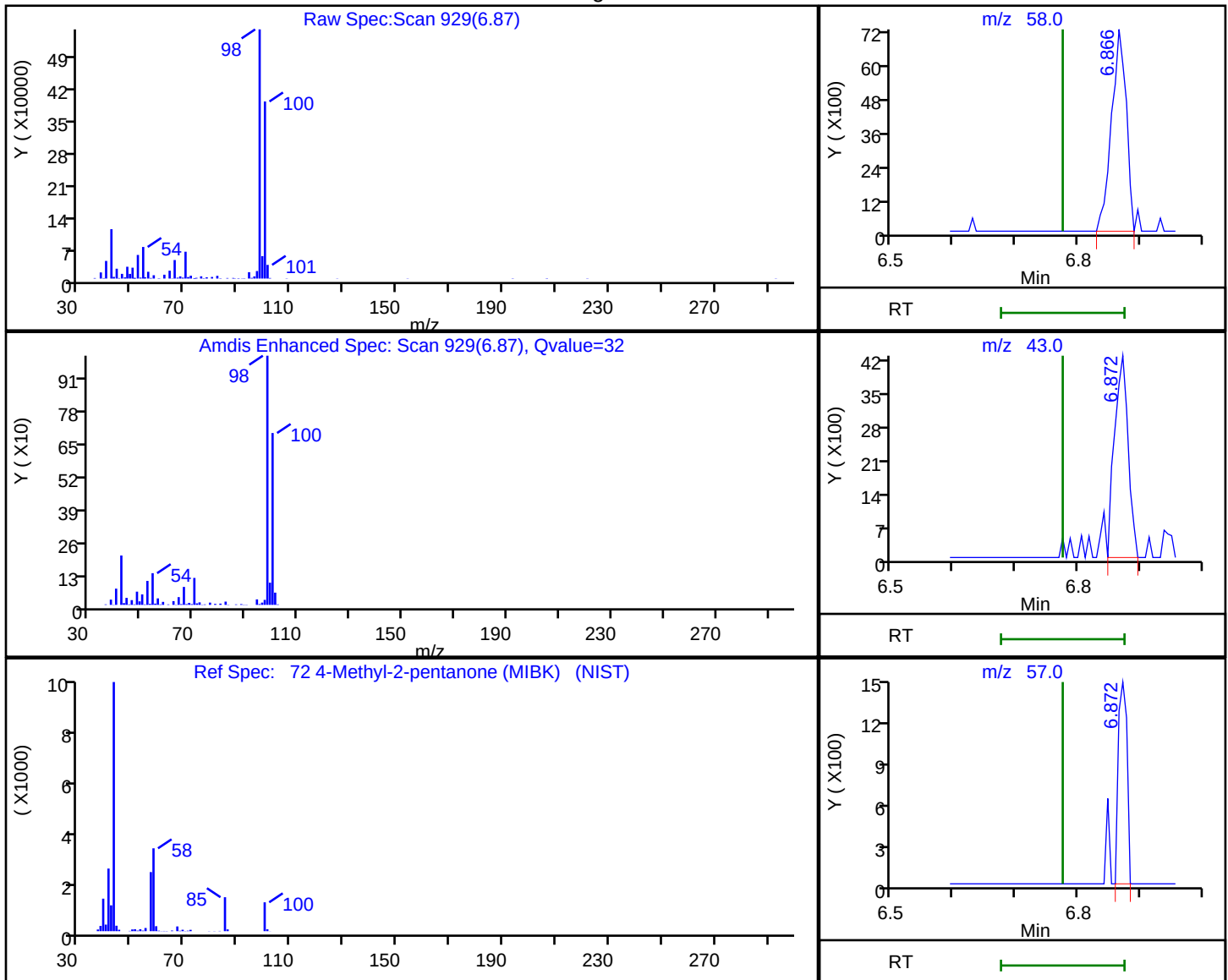
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.87	58.00	11950	1.656137
6.87	43.00	6482	
6.87	57.00	1371	

Reviewer: moffata, 22-Jul-2018 13:49:02

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1714.D

Injection Date: 22-Jul-2018 03:47:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-6

Lab Sample ID: 480-138931-6

Client ID: MW-13S

Operator ID: LH

ALS Bottle#: 15 Worklist Smp#: 35

Purge Vol: 5.000 mL

Dil. Factor: 40.0000

Method: N-8260

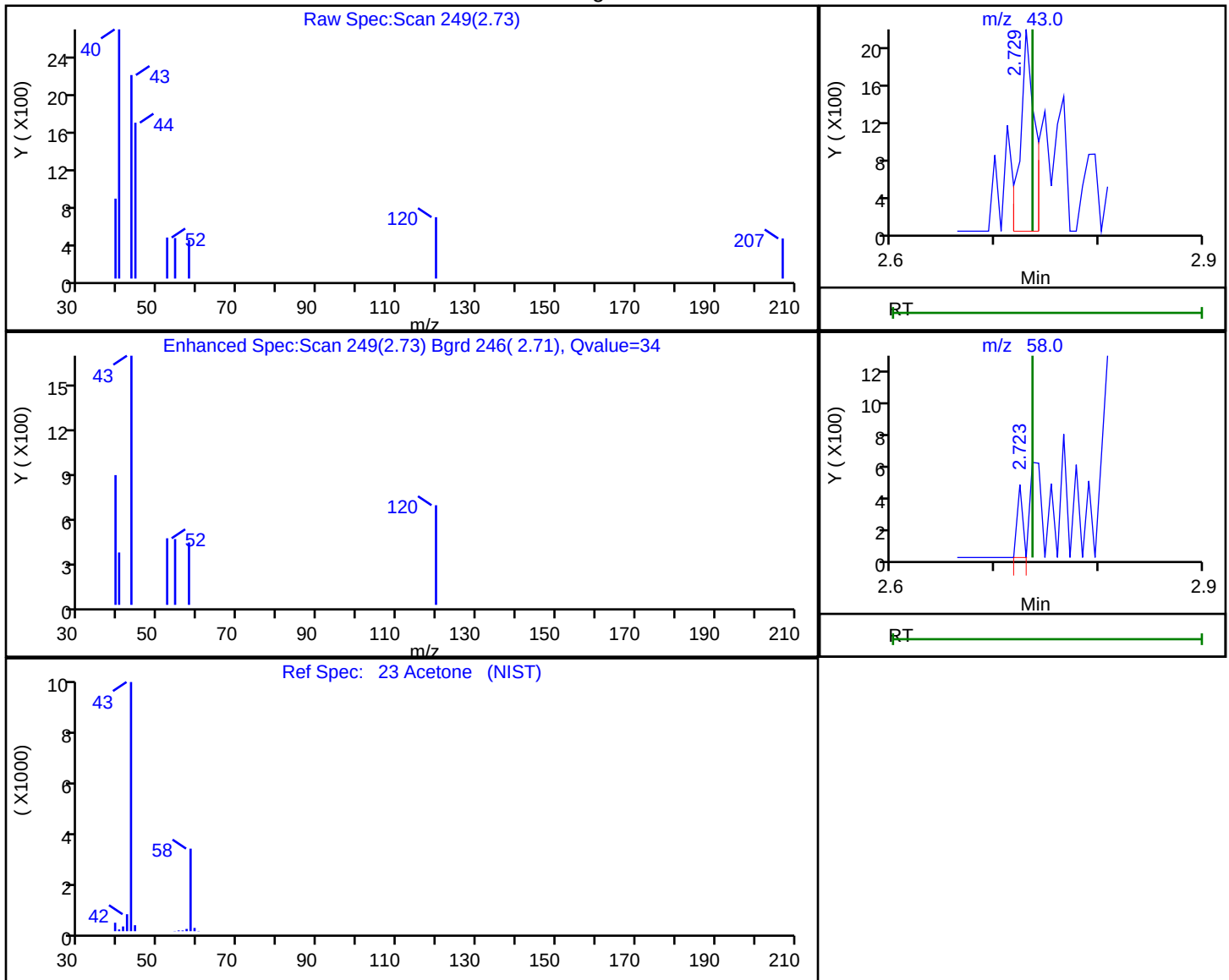
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.73	43.00	2053	0.377272
2.72	58.00	161	

Reviewer: moffata, 22-Jul-2018 13:47:55

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1714.D

Injection Date: 22-Jul-2018 03:47:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-6

Lab Sample ID: 480-138931-6

Client ID: MW-13S

Operator ID: LH

ALS Bottle#: 15 Worklist Smp#: 35

Purge Vol: 5.000 mL

Dil. Factor: 40.0000

Method: N-8260

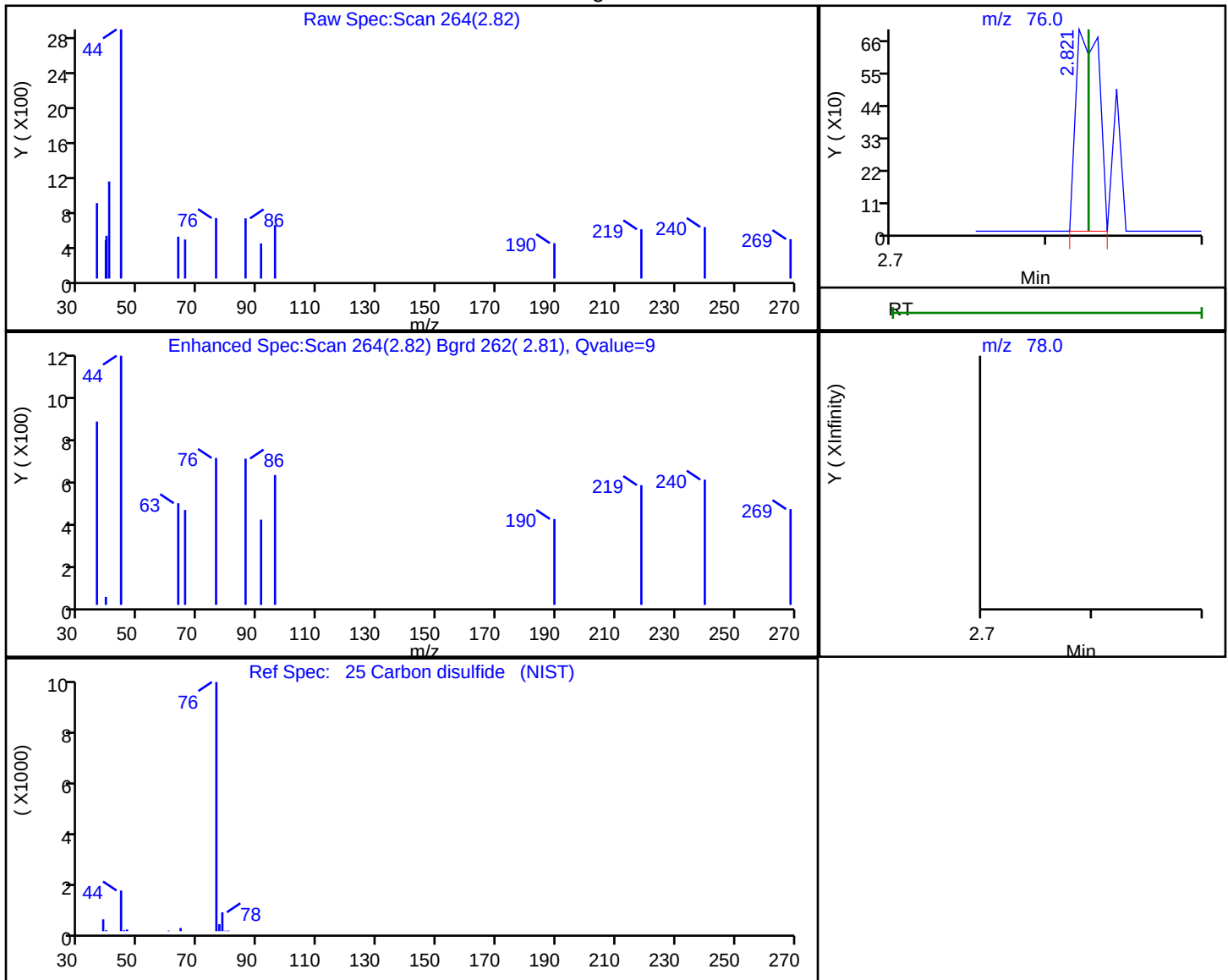
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.82	76.00	723	0.024824
2.83	78.00	0	

Reviewer: moffata, 22-Jul-2018 13:47:56

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1714.D

Injection Date: 22-Jul-2018 03:47:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-6

Lab Sample ID: 480-138931-6

Client ID: MW-13S

Operator ID: LH

ALS Bottle#: 15 Worklist Smp#: 35

Purge Vol: 5.000 mL

Dil. Factor: 40.0000

Method: N-8260

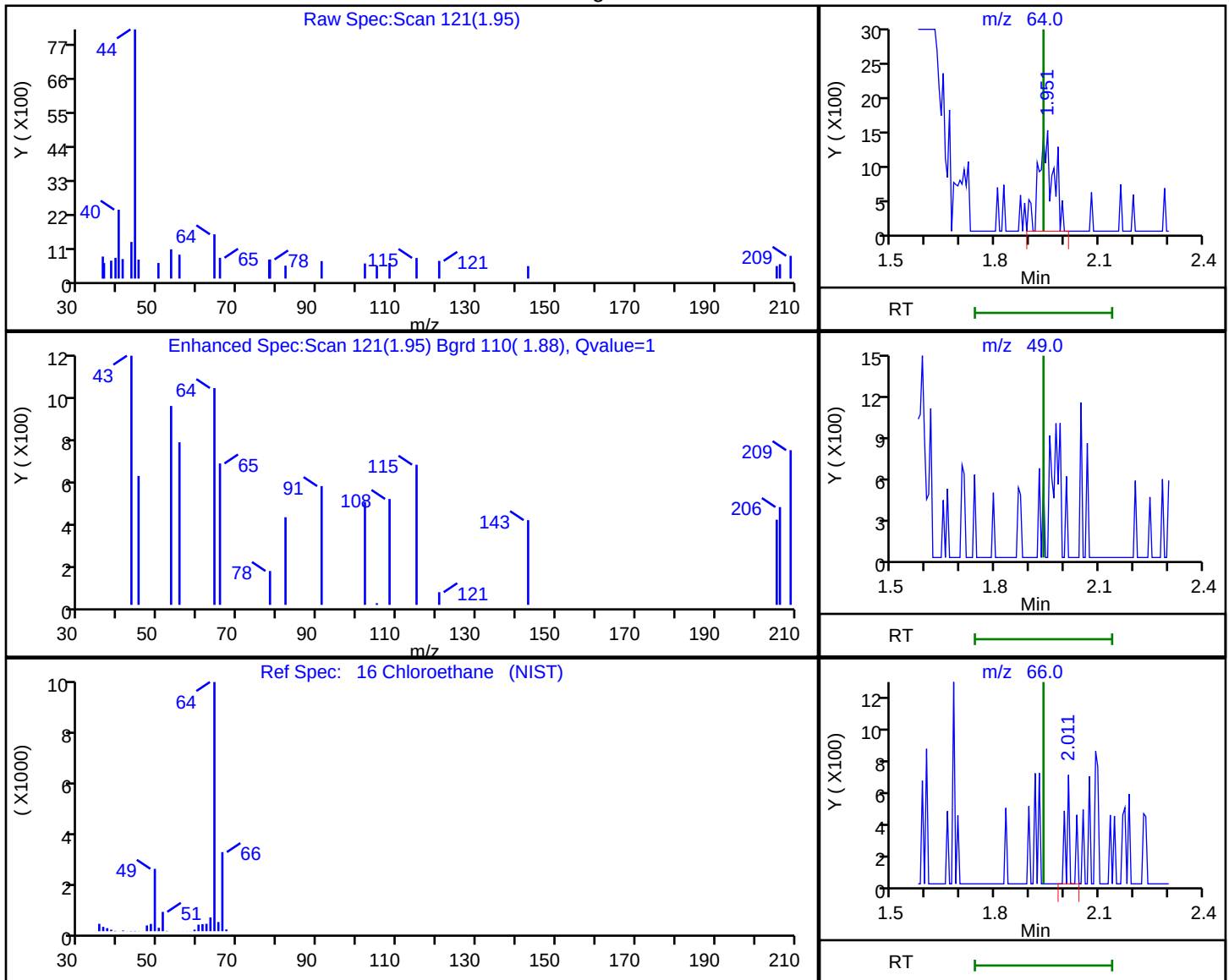
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.95	64.00	4260	0.447120
2.01	66.00	547	
1.94	49.00	0	

Reviewer: moffata, 22-Jul-2018 13:47:52

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1714.D

Injection Date: 22-Jul-2018 03:47:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-6

Lab Sample ID: 480-138931-6

Client ID: MW-13S

Operator ID: LH

ALS Bottle#: 15 Worklist Smp#: 35

Purge Vol: 5.000 mL

Dil. Factor: 40.0000

Method: N-8260

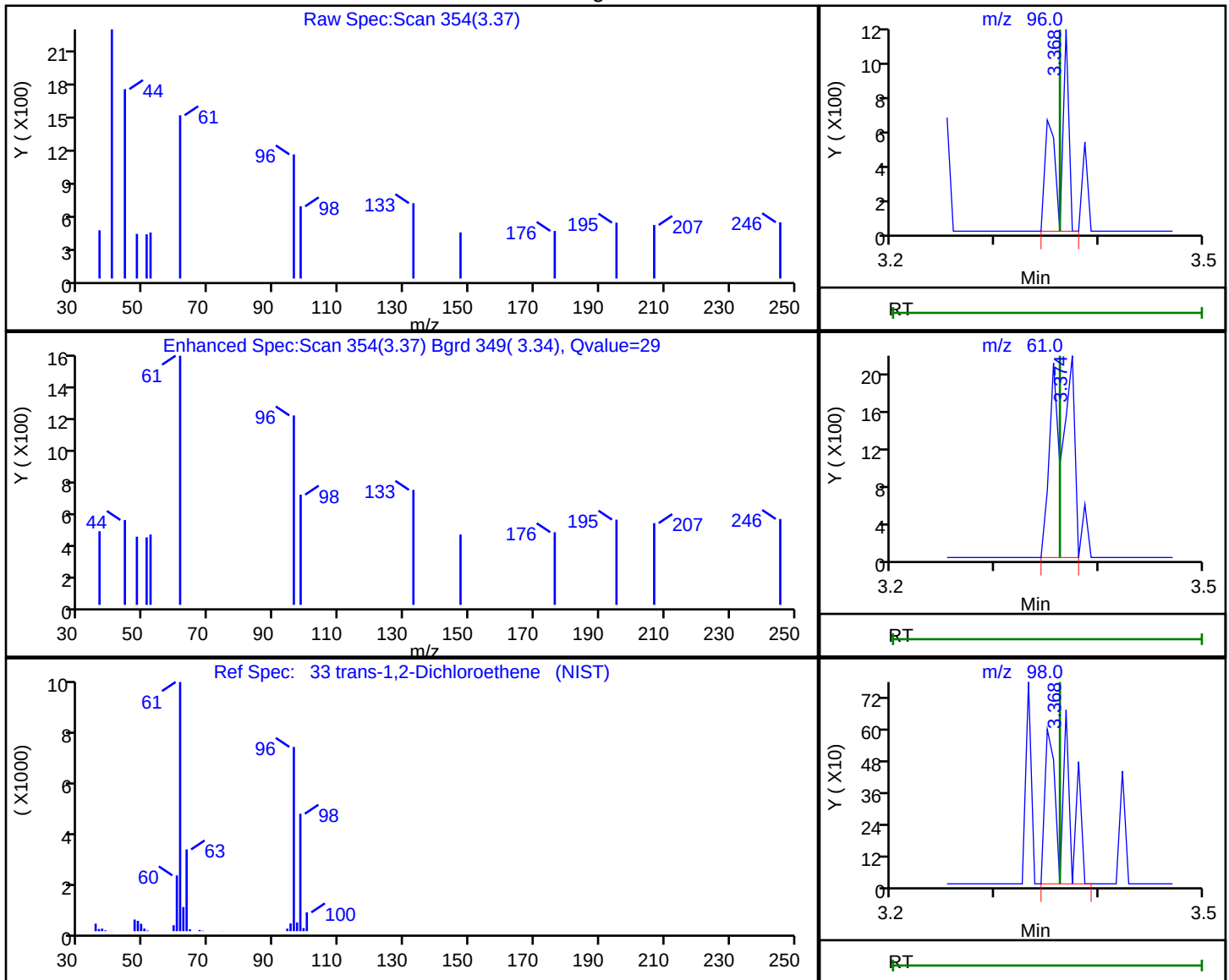
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
3.37	96.00	842	0.072563
3.37	61.00	2728	
3.37	98.00	803	

Reviewer: moffata, 22-Jul-2018 13:47:59

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: MW-12 Lab Sample ID: 480-138931-7

Matrix: Water Lab File ID: N1715.D

Analysis Method: 8260C Date Collected: 07/13/2018 09:50

Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 04:14

Soil Aliquot Vol: _____ Dilution Factor: 5

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

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

Analysis Batch No.: 425702 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6
79-00-5	1,1,2-Trichloroethane	ND		5.0	1.2
75-34-3	1,1-Dichloroethane	ND		5.0	1.9
75-35-4	1,1-Dichloroethene	ND		5.0	1.5
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	2.1
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)	ND		50	6.6
591-78-6	2-Hexanone	ND		25	6.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	11
67-64-1	Acetone	ND		50	15
71-43-2	Benzene	ND		5.0	2.1
75-27-4	Bromodichloromethane	ND		5.0	2.0
75-25-2	Bromoform	ND		5.0	1.3
74-83-9	Bromomethane	ND		5.0	3.5
75-15-0	Carbon disulfide	ND		5.0	0.95
56-23-5	Carbon tetrachloride	ND		5.0	1.4
108-90-7	Chlorobenzene	ND		5.0	3.8
75-00-3	Chloroethane	9.1		5.0	1.6
67-66-3	Chloroform	ND		5.0	1.7
74-87-3	Chloromethane	ND		5.0	1.8
156-59-2	cis-1,2-Dichloroethene	ND		5.0	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	1.8
110-82-7	Cyclohexane	ND		5.0	0.90
124-48-1	Dibromochloromethane	ND		5.0	1.6
75-71-8	Dichlorodifluoromethane	ND		5.0	3.4
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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: MW-12 Lab Sample ID: 480-138931-7
 Matrix: Water Lab File ID: N1715.D
 Analysis Method: 8260C Date Collected: 07/13/2018 09:50
 Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 04:14
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 425702 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	ND		5.0	2.6
156-60-5	trans-1,2-Dichloroethene	ND		5.0	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	1.9
79-01-6	Trichloroethene	ND		5.0	2.3
75-69-4	Trichlorofluoromethane	ND		5.0	4.4
75-01-4	Vinyl chloride	6.1		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)	107		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
2037-26-5	Toluene-d8 (Surr)	103		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1715.D
 Lims ID: 480-138931-A-7
 Client ID: MW-12
 Sample Type: Client
 Inject. Date: 22-Jul-2018 04:14:30 ALS Bottle#: 16 Worklist Smp#: 36
 Purge Vol: 5.000 mL Dil. Factor: 5.0000
 Sample Info: 480-138931-A-7
 Misc. Info.: 480-0073271-036
 Operator ID: LH Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Jul-2018 13:49:48 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: moffata

Date: 22-Jul-2018 13:50:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	185694	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.339	0.000	92	659887	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	95	365216	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.768	4.767	0.000	94	243666	25.7	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	335850	26.7	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	96	903904	25.8	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	94	303429	25.7	
11 Dichlorodifluoromethane	85		1.294				ND	
13 Chloromethane	50		1.464				ND	
14 Vinyl chloride	62	1.549	1.543	0.006	95	19740	1.22	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64	1.951	1.939	0.012	74	16867	1.82	
18 Trichlorofluoromethane	101		2.145				ND	
22 1,1-Dichloroethene	96		2.632				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43		2.736				ND	U
25 Carbon disulfide	76		2.827				ND	U
28 Methyl acetate	43		3.040				ND	
30 Methylene Chloride	84	3.125	3.125	0.000	84	3203	0.2560	M
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96		3.362				ND	
36 1,1-Dichloroethane	63		3.764				ND	
43 cis-1,2-Dichloroethene	96		4.305				ND	
44 2-Butanone (MEK)	43		4.335				ND	U
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.767				ND	
53 Carbon tetrachloride	117		4.883				ND	
55 Benzene	78		5.090				ND	
57 1,2-Dichloroethane	62		5.145				ND	
60 Trichloroethene	95		5.704				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.838				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	U
73 Toluene	92		6.933				ND	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.475				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.779				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.269				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.786				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.119				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1715.D

Injection Date: 22-Jul-2018 04:14:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-138931-A-7

Lab Sample ID: 480-138931-7

Worklist Smp#: 36

Client ID: MW-12

Purge Vol: 5.000 mL

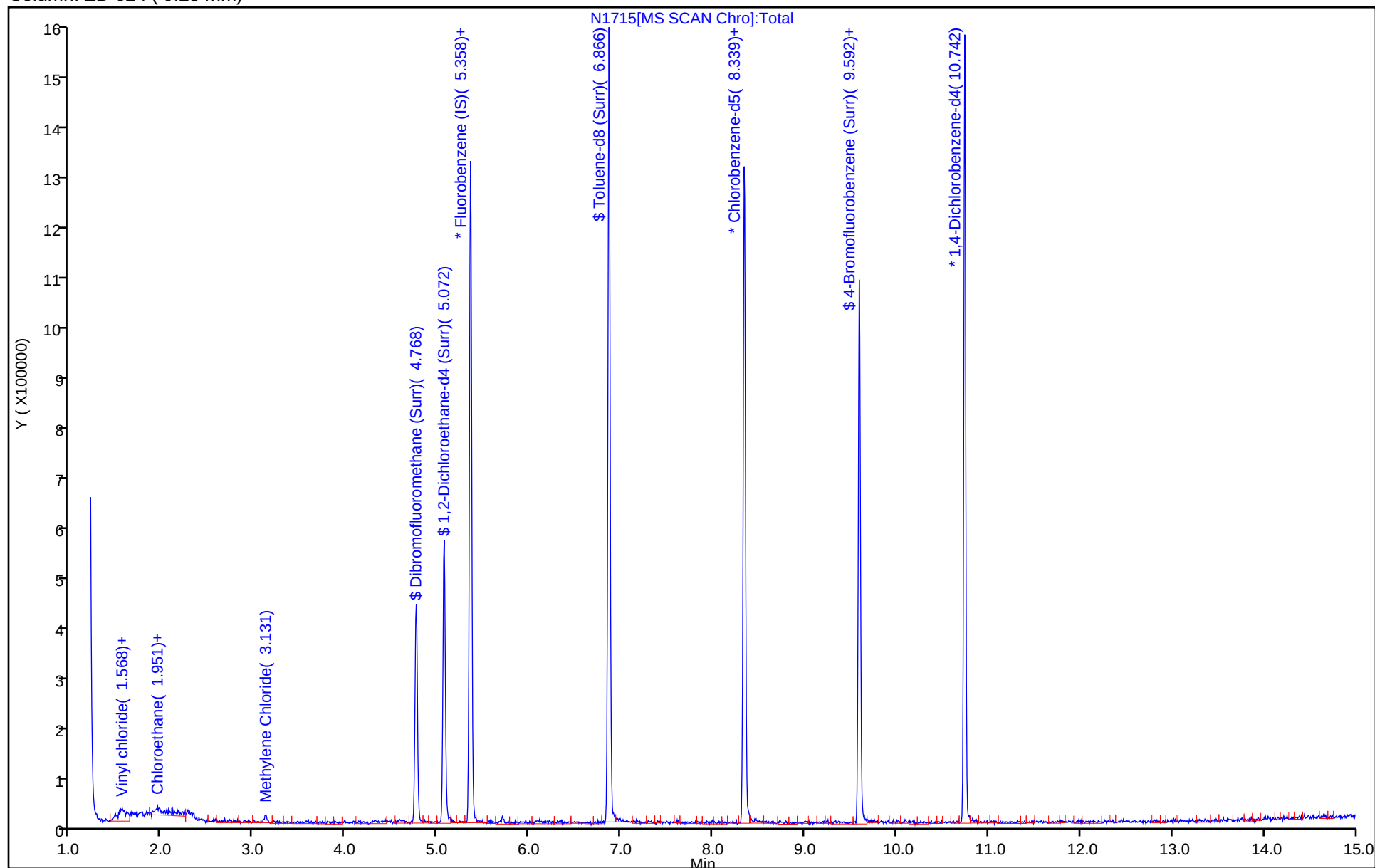
Dil. Factor: 5.0000

ALS Bottle#: 16

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1715.D

Injection Date: 22-Jul-2018 04:14:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-7

Lab Sample ID: 480-138931-7

Client ID: MW-12

Operator ID: LH

ALS Bottle#: 16

Worklist Smp#: 36

Purge Vol: 5.000 mL

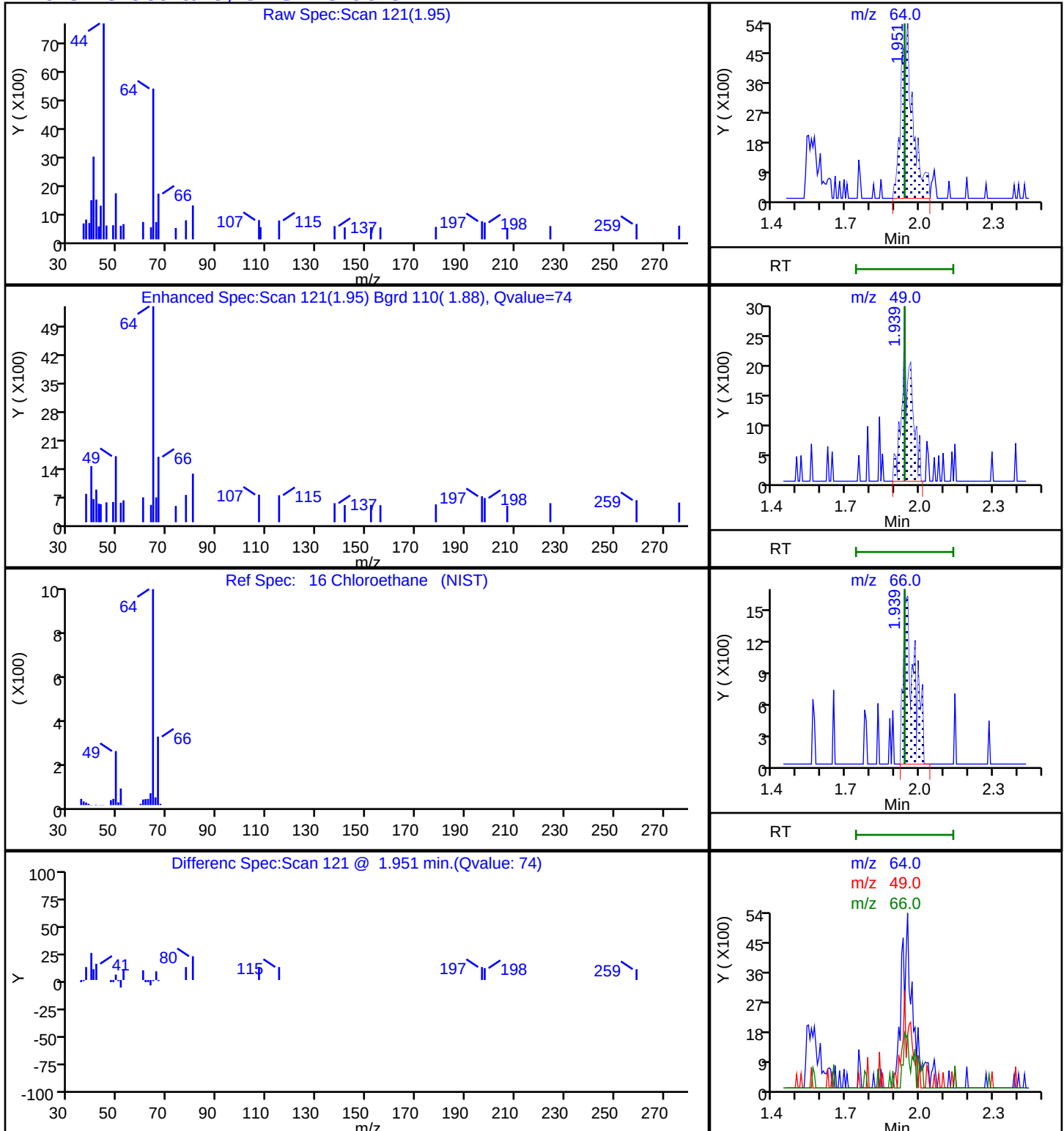
Dil. Factor: 5.0000

Method: N-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\HP5973N\20180721-73271.b\N1715.D

Injection Date: 22-Jul-2018 04:14:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-7

Lab Sample ID: 480-138931-7

Client ID: MW-12

Operator ID: LH

ALS Bottle#: 16

Worklist Smp#: 36

Purge Vol: 5.000 mL

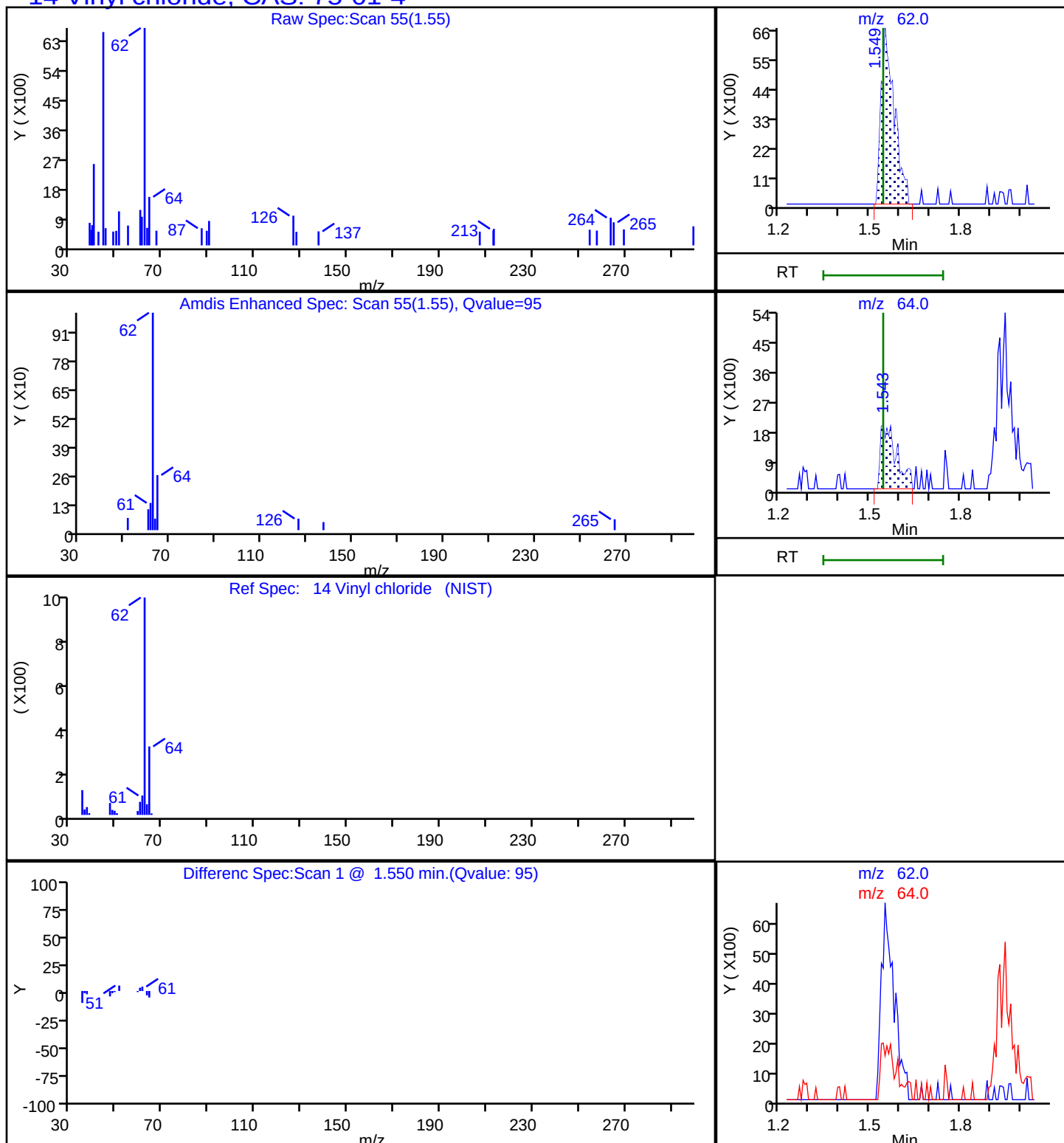
Dil. Factor: 5.0000

Method: N-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\HP5973N\20180721-73271.b\N1715.D

Injection Date: 22-Jul-2018 04:14:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-7

Lab Sample ID: 480-138931-7

Client ID: MW-12

Operator ID: LH

ALS Bottle#: 16 Worklist Smp#: 36

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

Method: N-8260

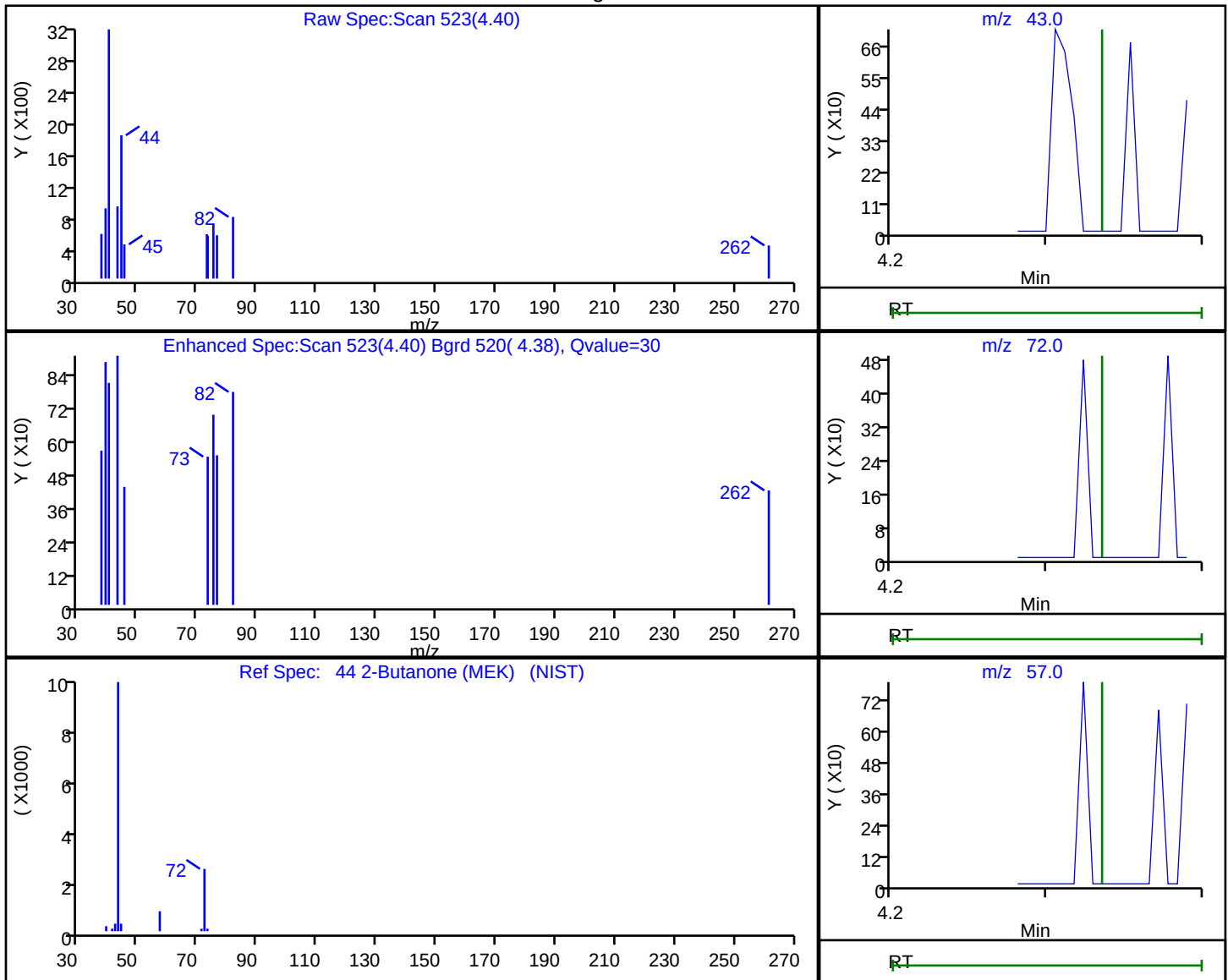
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
4.40	43.00	500	0.050331
4.34	72.00	0	
4.34	57.00	0	

Reviewer: moffata, 22-Jul-2018 13:49:37

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1715.D

Injection Date: 22-Jul-2018 04:14:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-7

Lab Sample ID: 480-138931-7

Client ID: MW-12

Operator ID: LH

ALS Bottle#: 16 Worklist Smp#: 36

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

Method: N-8260

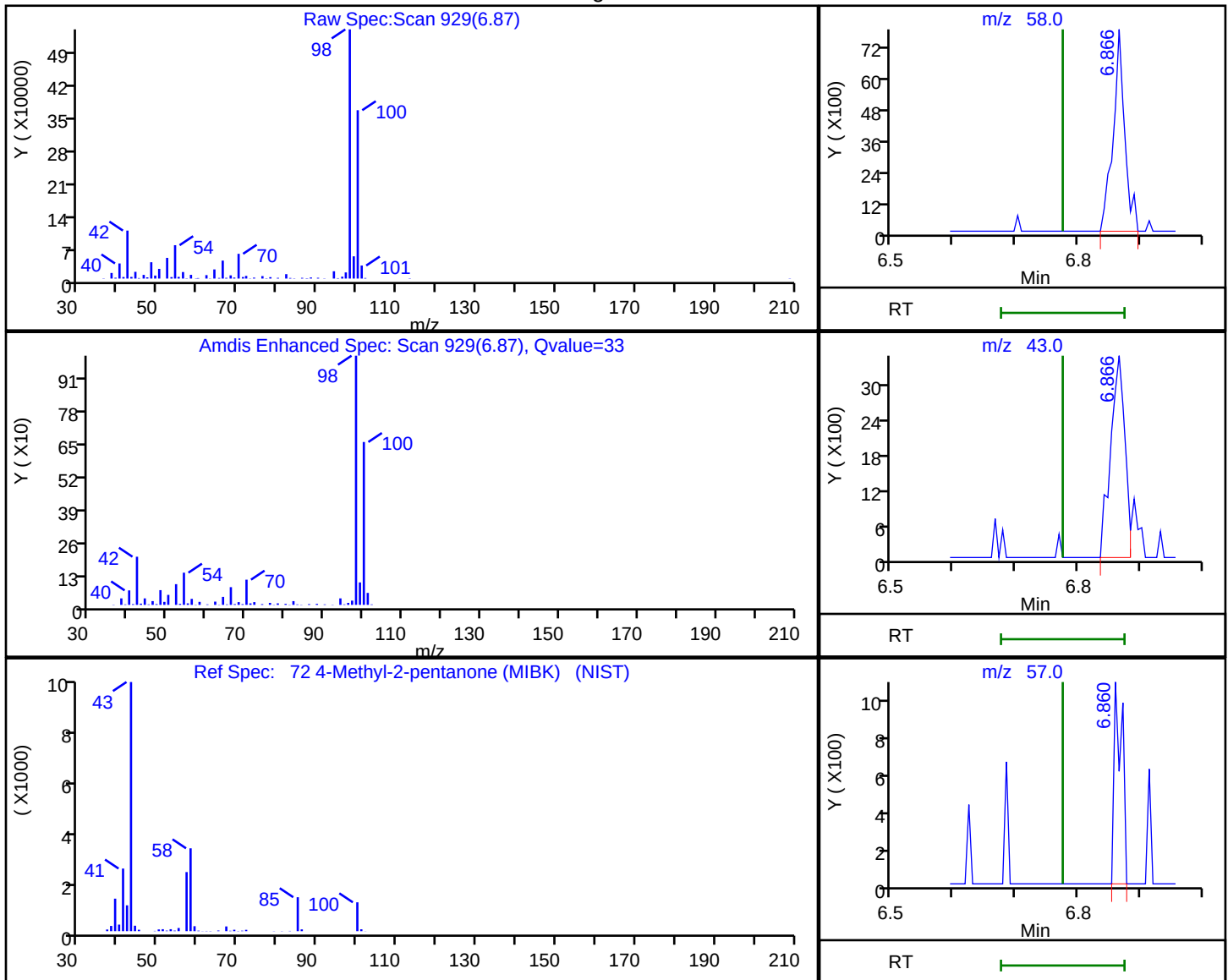
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.87	58.00	10361	1.548003
6.87	43.00	5586	
6.86	57.00	950	

Reviewer: moffata, 22-Jul-2018 13:49:42

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1715.D

Injection Date: 22-Jul-2018 04:14:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-7

Lab Sample ID: 480-138931-7

Client ID: MW-12

Operator ID: LH

ALS Bottle#: 16 Worklist Smp#: 36

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

Method: N-8260

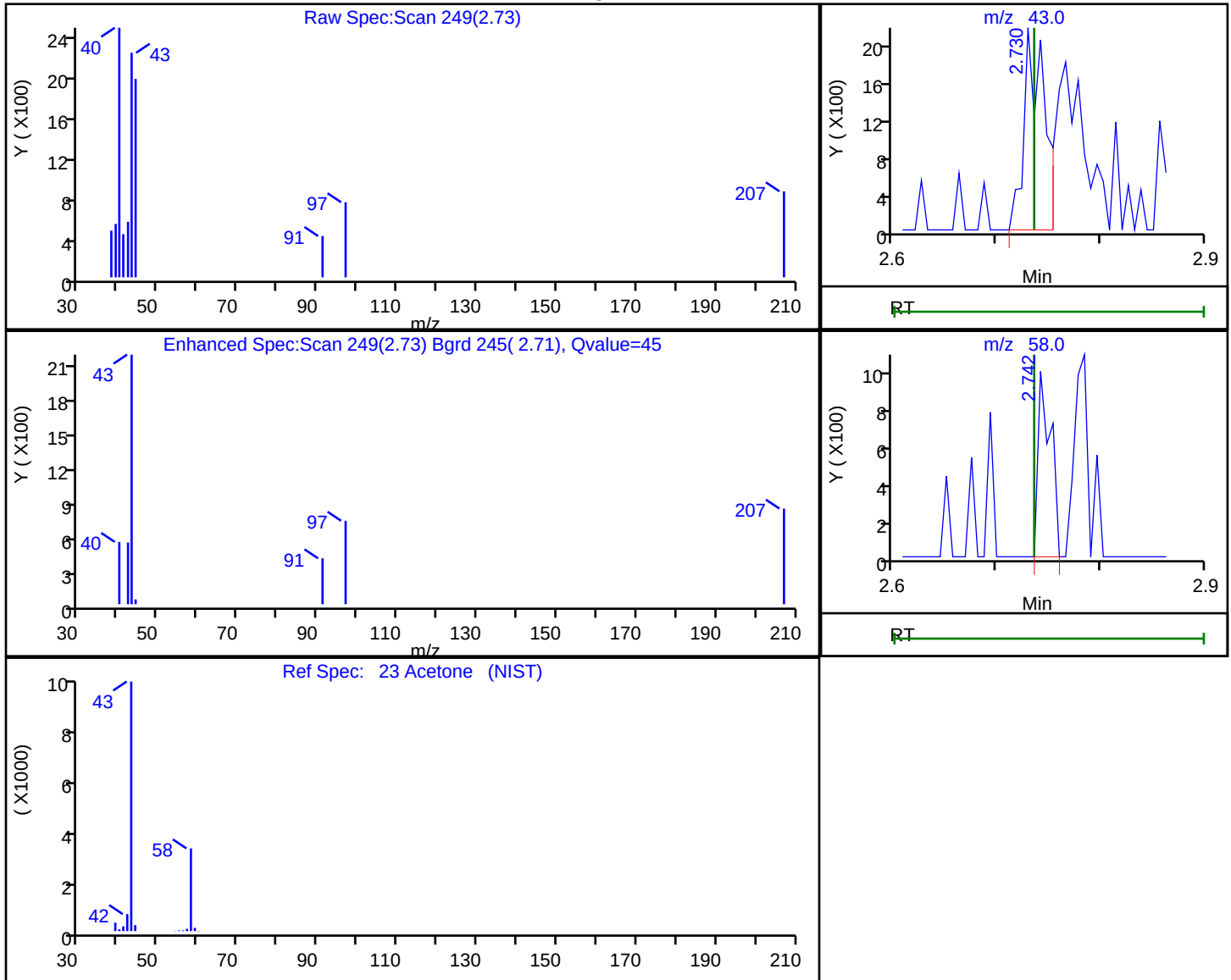
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.73	43.00	3008	0.569233
2.74	58.00	842	

Reviewer: moffata, 22-Jul-2018 13:49:25

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1715.D

Injection Date: 22-Jul-2018 04:14:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-7

Lab Sample ID: 480-138931-7

Client ID: MW-12

Operator ID: LH

ALS Bottle#: 16

Worklist Smp#: 36

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

Method: N-8260

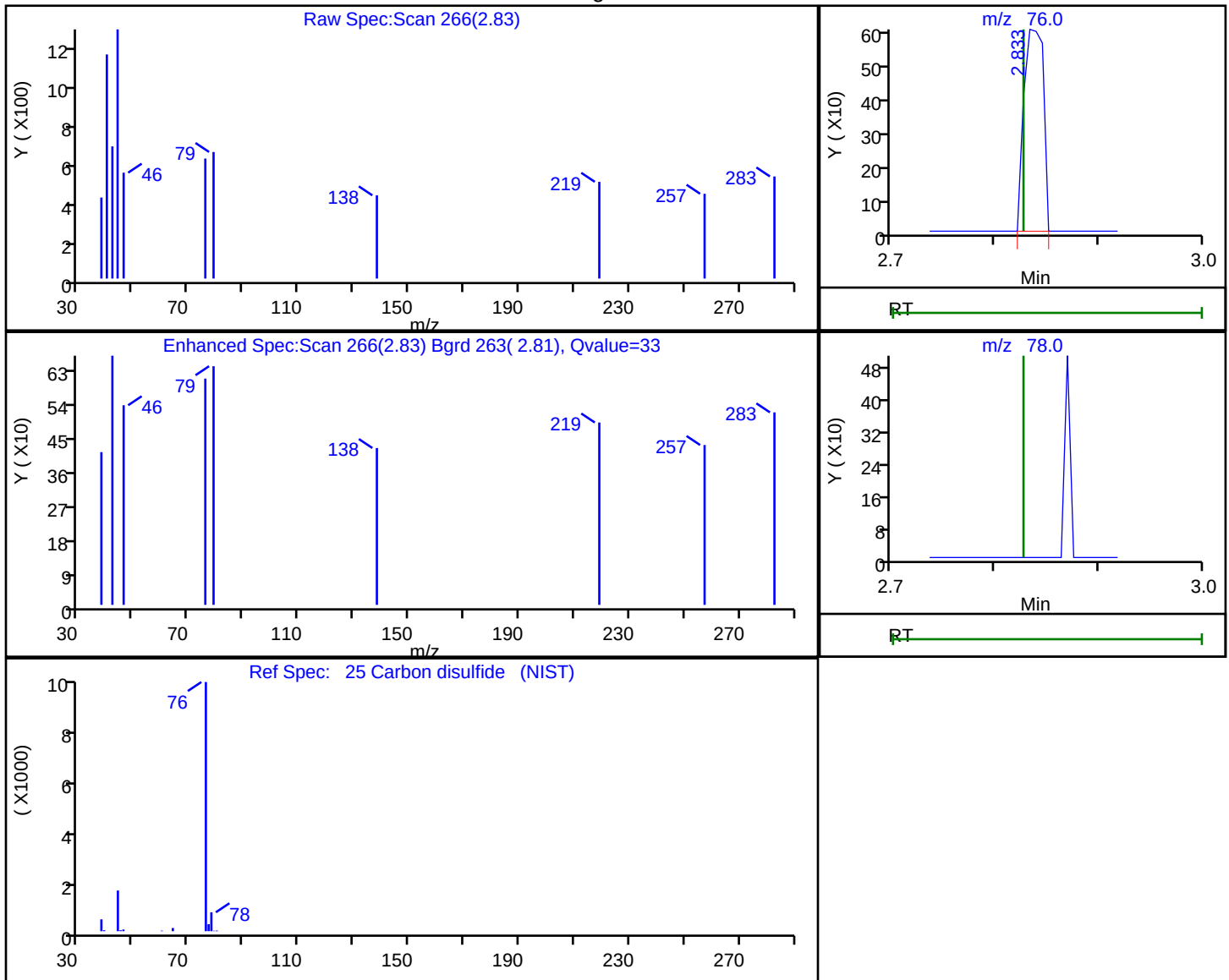
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.83	76.00	792	0.028003
2.83	78.00	0	

Reviewer: moffata, 22-Jul-2018 13:49:26

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

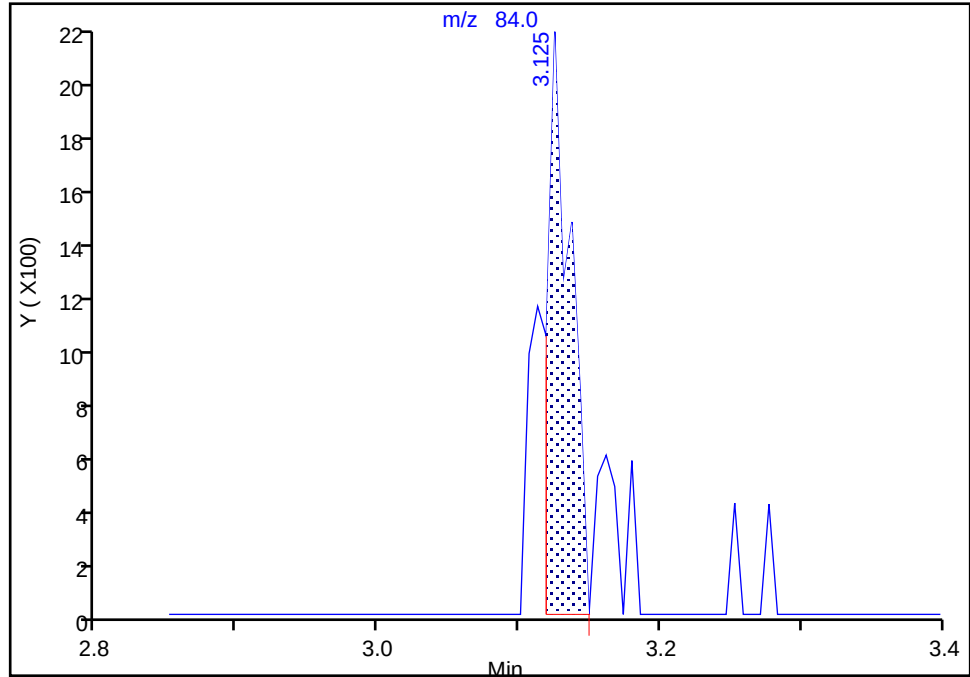
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1715.D
Injection Date: 22-Jul-2018 04:14:30 Instrument ID: HP5973N
Lims ID: 480-138931-A-7 Lab Sample ID: 480-138931-7
Client ID: MW-12
Operator ID: LH ALS Bottle#: 16 Worklist Smp#: 36
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

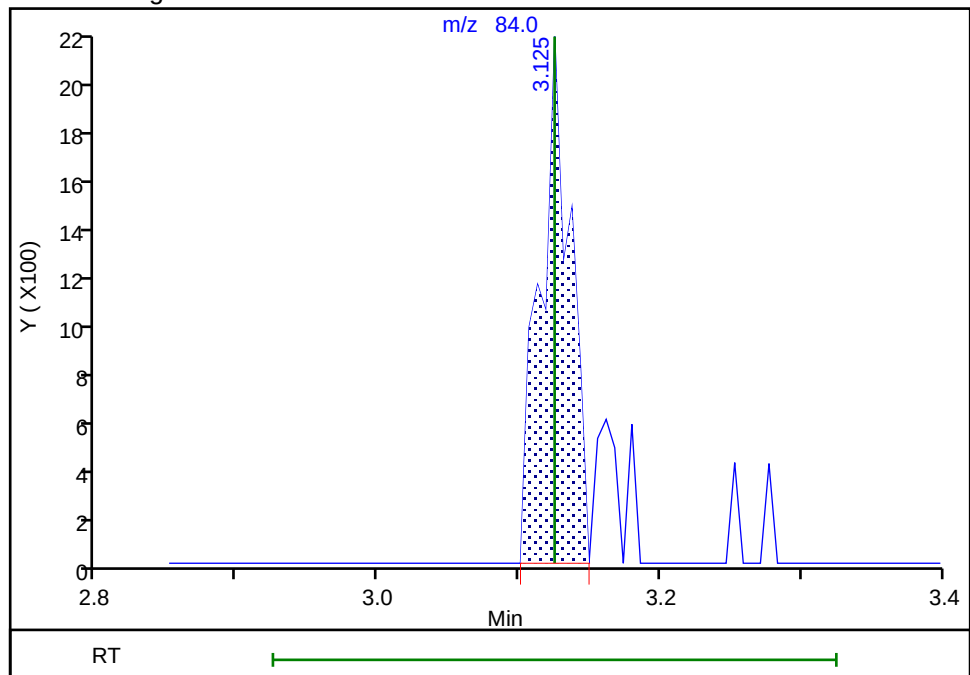
RT: 3.12
Area: 2435
Amount: 0.194596
Amount Units: ug/L

Processing Integration Results



RT: 3.12
Area: 3203
Amount: 0.255972
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 22-Jul-2018 13:49:34
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>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-16S</u>	Lab Sample ID: <u>480-138931-8</u>
Matrix: <u>Water</u>	Lab File ID: <u>N1716.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/13/2018 14:20</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/22/2018 04:42</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>425702</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	880	J	1000	380
75-35-4	1,1-Dichloroethene	560	J	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	ND		1000	320
67-66-3	Chloroform	ND		1000	340
74-87-3	Chloromethane	ND		1000	350
156-59-2	cis-1,2-Dichloroethene	93000		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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: MW-16S Lab Sample ID: 480-138931-8
 Matrix: Water Lab File ID: N1716.D
 Analysis Method: 8260C Date Collected: 07/13/2018 14:20
 Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 04:42
 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.: 425702 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	ND		1000	440
100-42-5	Styrene	ND		1000	730
127-18-4	Tetrachloroethene	ND		1000	360
108-88-3	Toluene	ND		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	91000		1000	900
1330-20-7	Xylenes, Total	ND		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1716.D
 Lims ID: 480-138931-A-8
 Client ID: MW-16S
 Sample Type: Client
 Inject. Date: 22-Jul-2018 04:42:30 ALS Bottle#: 17 Worklist Smp#: 37
 Purge Vol: 5.000 mL Dil. Factor: 1000.0000
 Sample Info: 480-138931-A-8
 Misc. Info.: 480-0073271-037
 Operator ID: LH Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Jul-2018 13:50:44 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: moffata

Date: 22-Jul-2018 13:50:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	181755	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.339	-0.001	90	673069	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.742	-0.001	96	360072	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	-0.001	92	236266	25.5	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	328868	26.7	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	96	887634	24.8	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.592	0.006	94	309300	25.7	
11 Dichlorodifluoromethane	85		1.294				ND	
13 Chloromethane	50		1.464				ND	
14 Vinyl chloride	62	1.549	1.543	0.006	98	1446050	91.0	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64		1.939				ND	U
18 Trichlorofluoromethane	101		2.145				ND	
22 1,1-Dichloroethene	96	2.632	2.632	0.000	82	5125	0.5605	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43		2.736				ND	
25 Carbon disulfide	76		2.827				ND	U
28 Methyl acetate	43		3.040				ND	
30 Methylene Chloride	84	3.125	3.125	0.000	49	2275	0.1857	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	43	2404	0.2180	
36 1,1-Dichloroethane	63	3.764	3.757	0.000	97	20245	0.8823	
43 cis-1,2-Dichloroethene	96	4.305	4.305	0.000	86	1170399	92.9	
44 2-Butanone (MEK)	43		4.335				ND	
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.767				ND	
53 Carbon tetrachloride	117		4.883				ND	
55 Benzene	78		5.090				ND	
57 1,2-Dichloroethane	62		5.145				ND	
60 Trichloroethene	95		5.704				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.838				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	U
73 Toluene	92	6.933	6.933	0.000	76	11109	0.4329	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.475				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.779				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.269				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.786				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.119				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1716.D

Injection Date: 22-Jul-2018 04:42:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-138931-A-8

Lab Sample ID: 480-138931-8

Worklist Smp#: 37

Client ID: MW-16S

Purge Vol: 5.000 mL

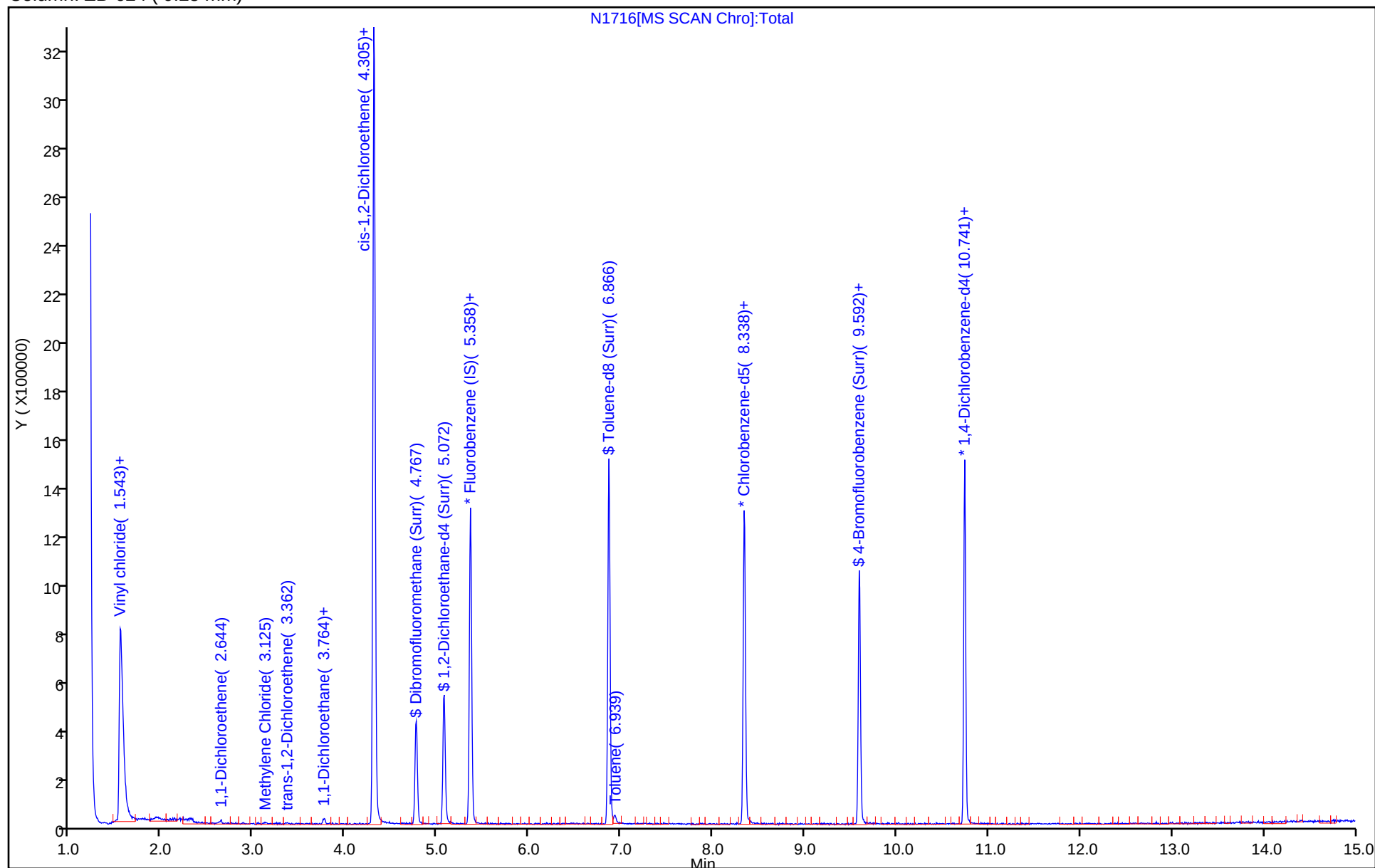
Dil. Factor: 1000.0000

ALS Bottle#: 17

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1716.D

Injection Date: 22-Jul-2018 04:42:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-8

Lab Sample ID: 480-138931-8

Client ID: MW-16S

Operator ID: LH

ALS Bottle#: 17

Worklist Smp#: 37

Purge Vol: 5.000 mL

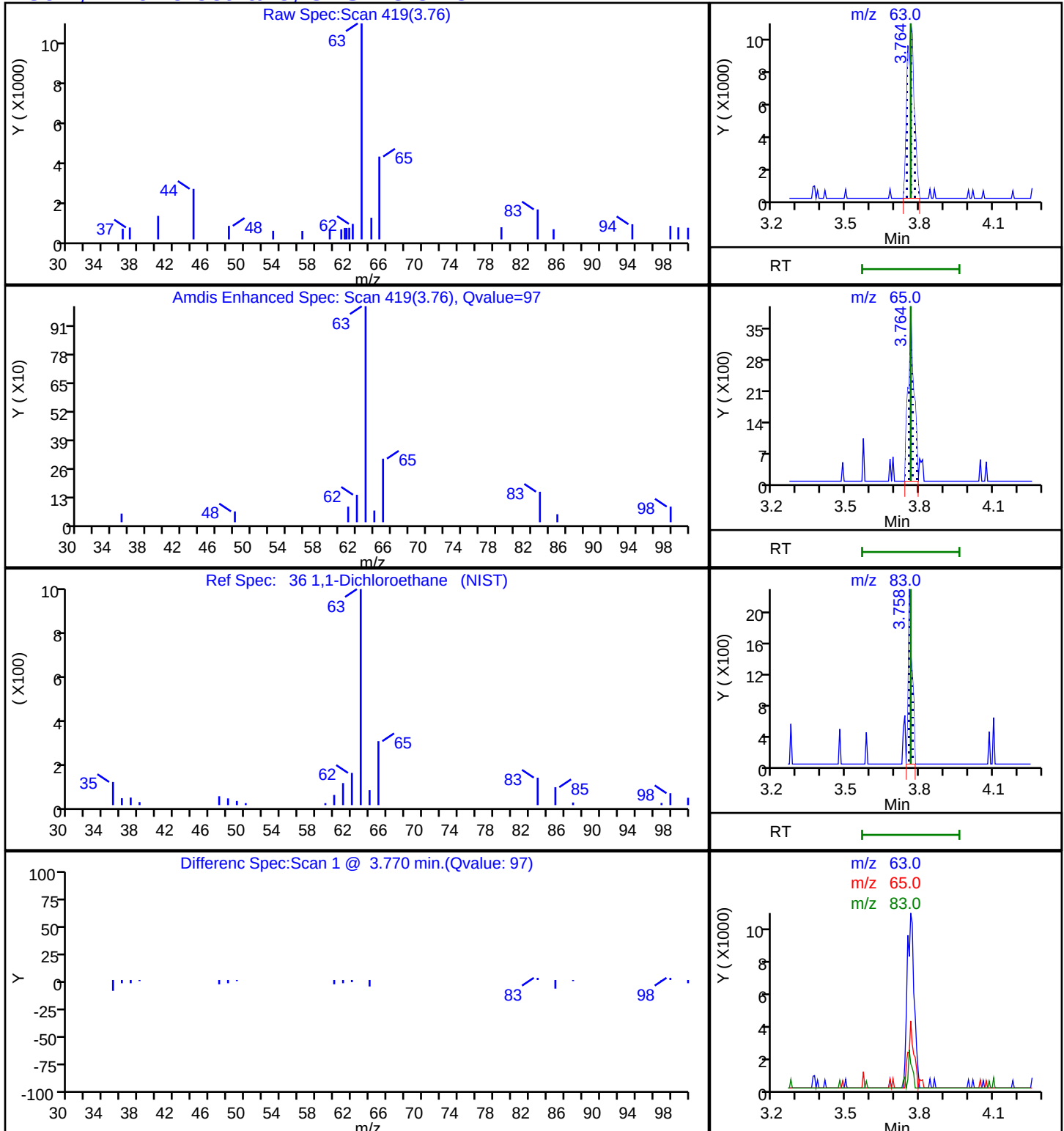
Dil. Factor: 1000.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Detector MS SCAN

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1716.D

Injection Date: 22-Jul-2018 04:42:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-8

Lab Sample ID: 480-138931-8

Client ID: MW-16S

Operator ID: LH

ALS Bottle#: 17

Worklist Smp#: 37

Purge Vol: 5.000 mL

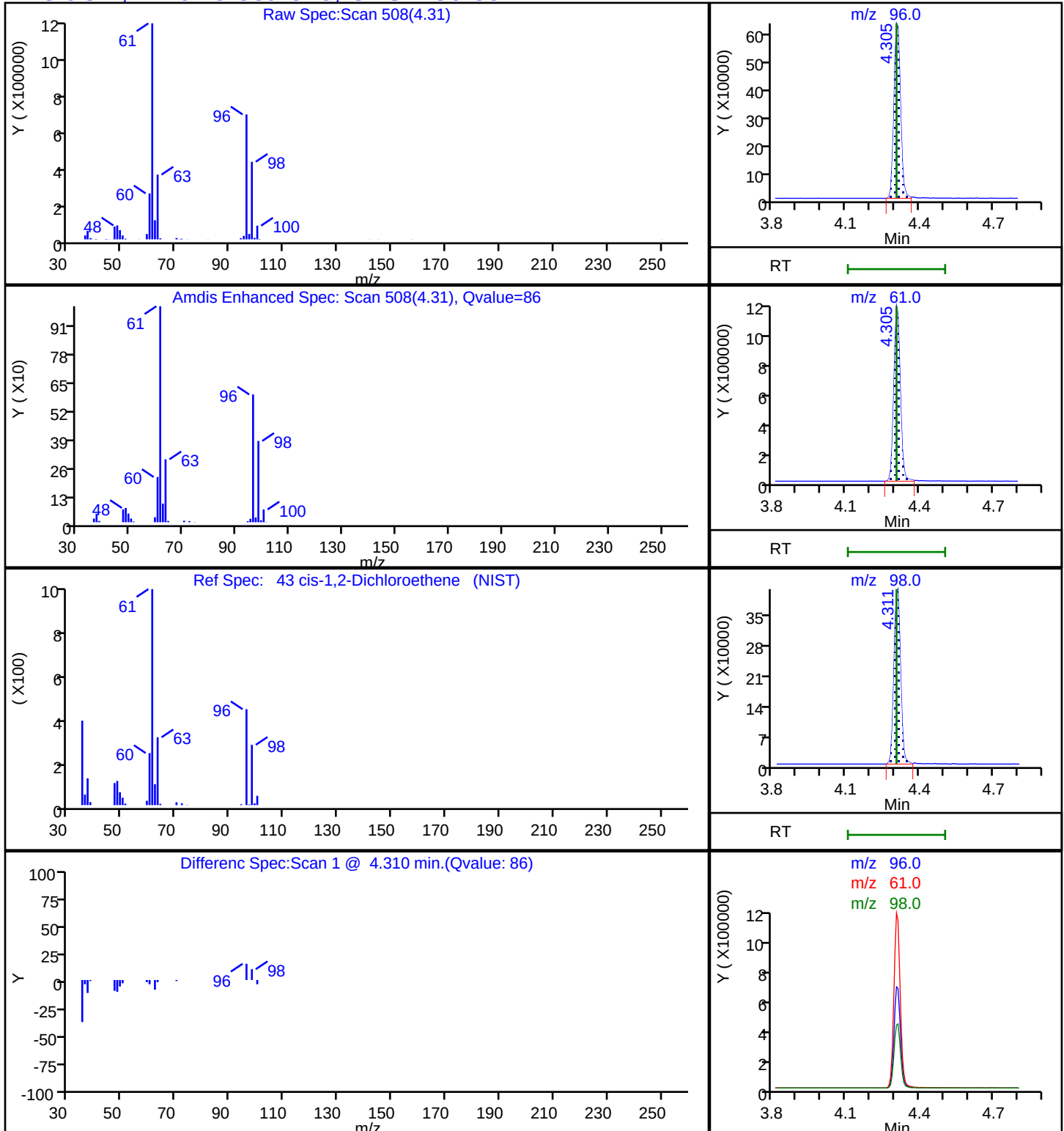
Dil. Factor: 1000.0000

Method: N-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\HP5973N\20180721-73271.b\N1716.D

Injection Date: 22-Jul-2018 04:42:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-8

Lab Sample ID: 480-138931-8

Client ID: MW-16S

Operator ID: LH

ALS Bottle#: 17

Worklist Smp#: 37

Purge Vol: 5.000 mL

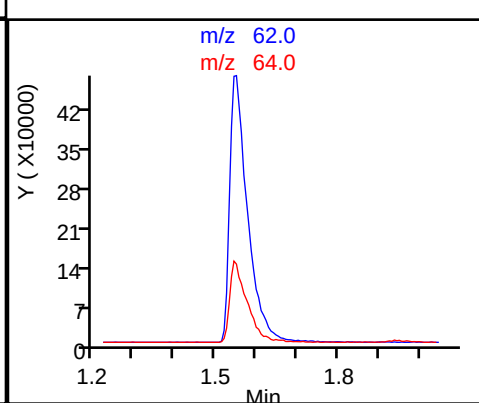
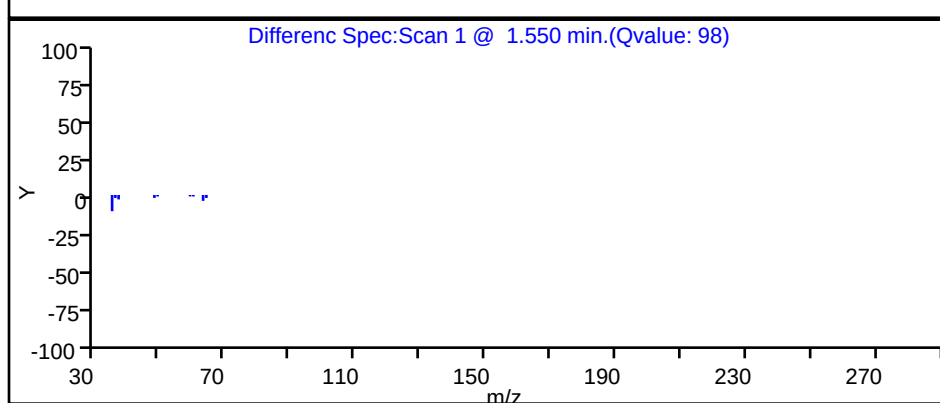
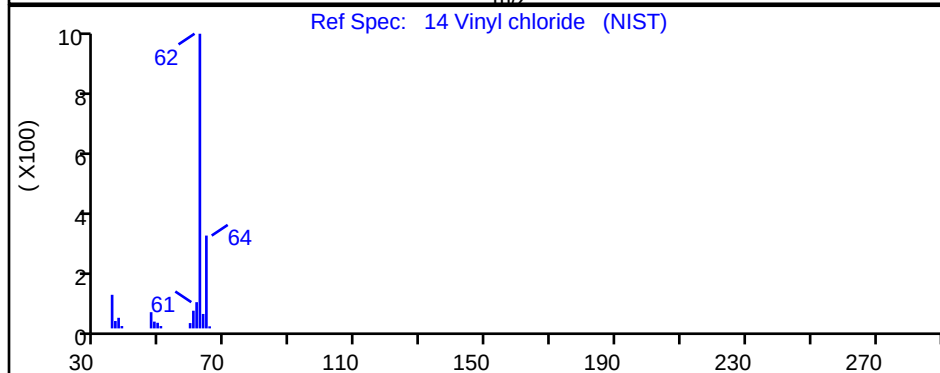
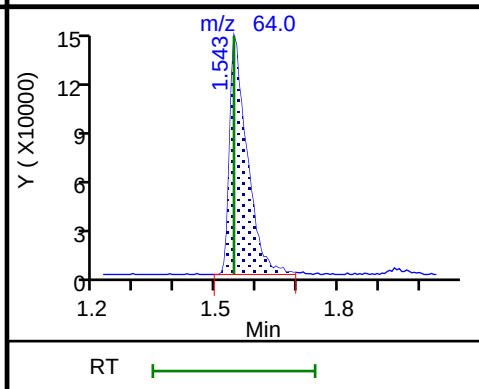
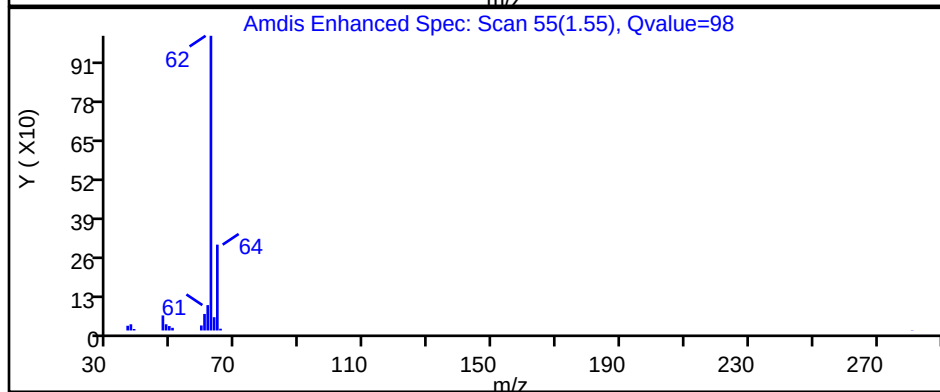
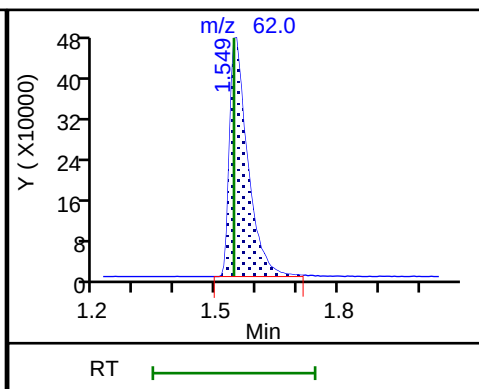
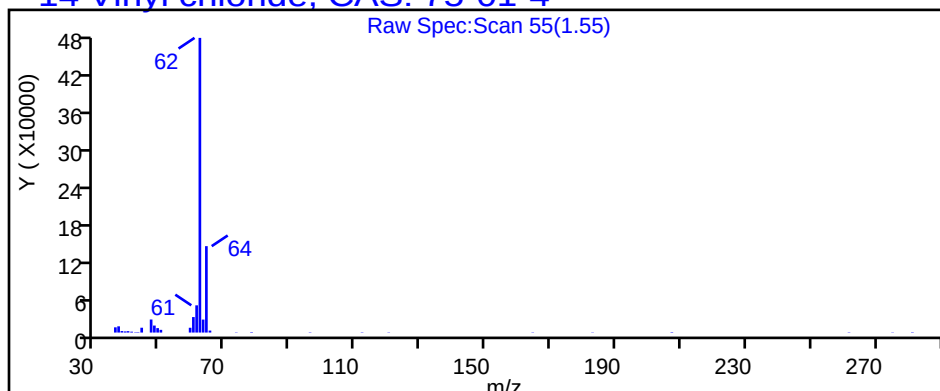
Dil. Factor: 1000.0000

Method: N-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\HP5973N\20180721-73271.b\N1716.D

Injection Date: 22-Jul-2018 04:42:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-8

Lab Sample ID: 480-138931-8

Client ID: MW-16S

Operator ID: LH

ALS Bottle#: 17 Worklist Smp#: 37

Purge Vol: 5.000 mL

Dil. Factor: 1000.0000

Method: N-8260

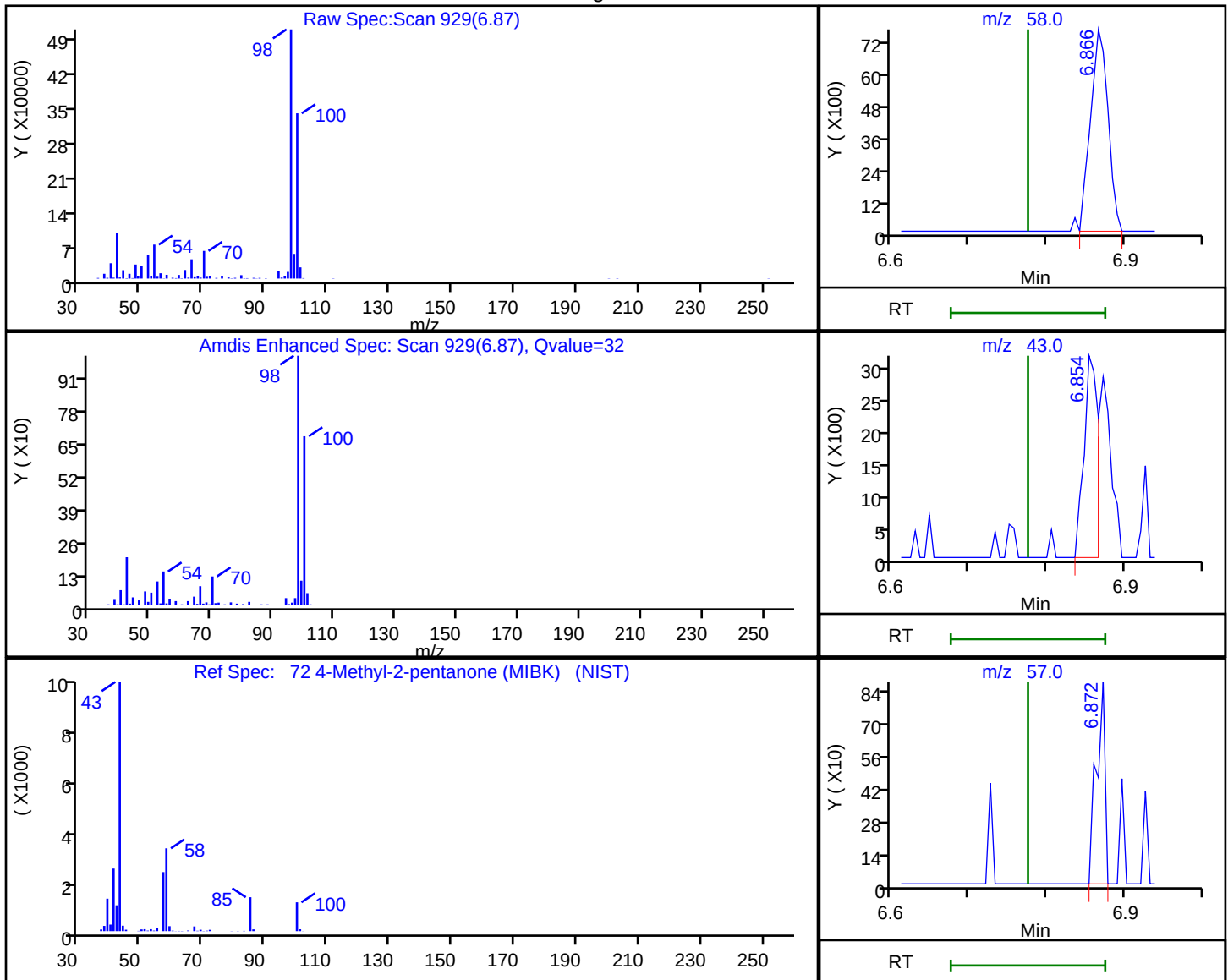
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.87	58.00	12096	1.771829
6.85	43.00	3918	
6.87	57.00	678	

Reviewer: moffata, 22-Jul-2018 13:50:38

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1716.D

Injection Date: 22-Jul-2018 04:42:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-8

Lab Sample ID: 480-138931-8

Client ID: MW-16S

Operator ID: LH

ALS Bottle#: 17 Worklist Smp#: 37

Purge Vol: 5.000 mL

Dil. Factor: 1000.0000

Method: N-8260

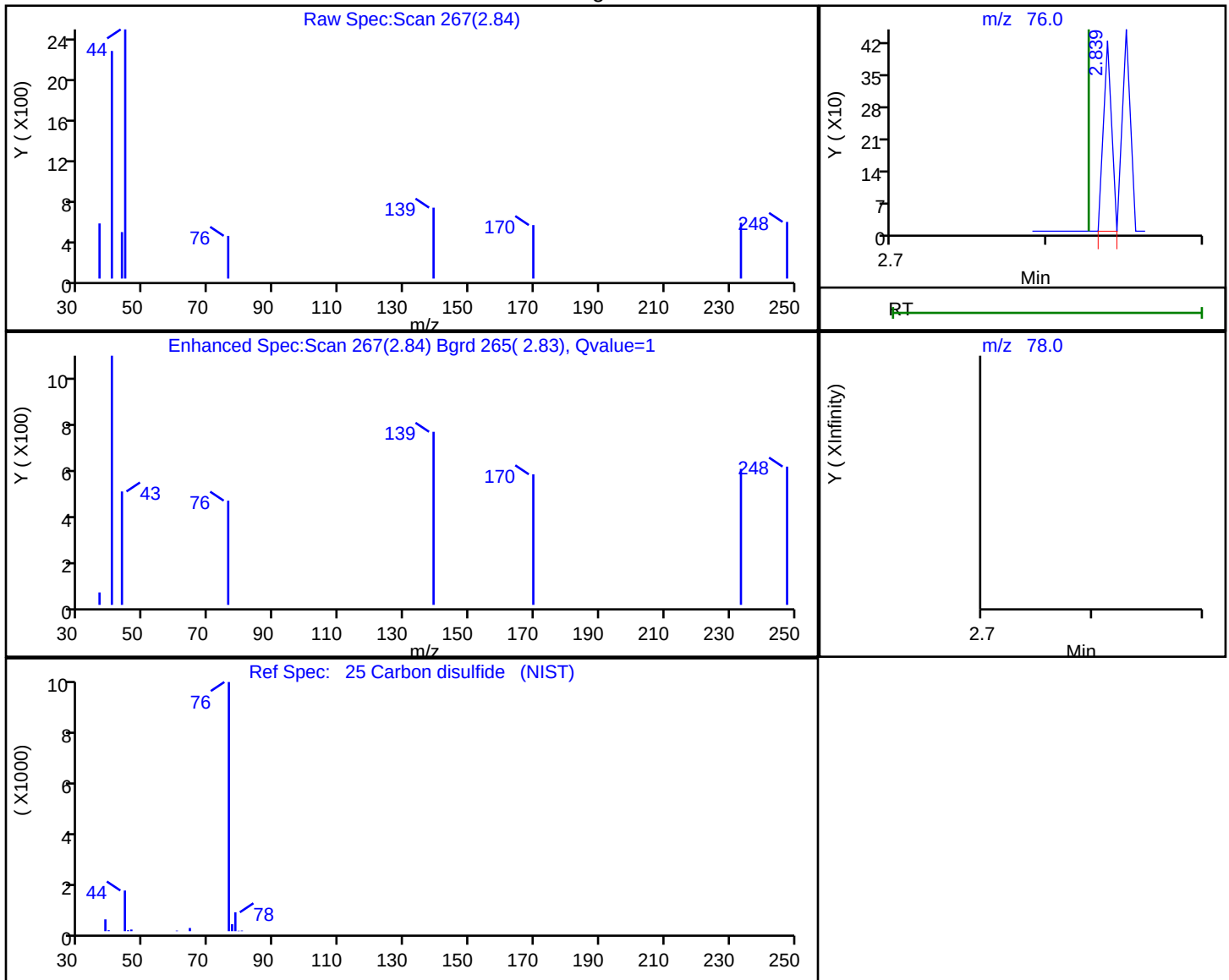
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.84	76.00	153	0.005527
2.83	78.00	0	

Reviewer: moffata, 22-Jul-2018 13:50:25

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1716.D

Injection Date: 22-Jul-2018 04:42:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-8

Lab Sample ID: 480-138931-8

Client ID: MW-16S

Operator ID: LH

ALS Bottle#: 17 Worklist Smp#: 37

Purge Vol: 5.000 mL

Dil. Factor: 1000.0000

Method: N-8260

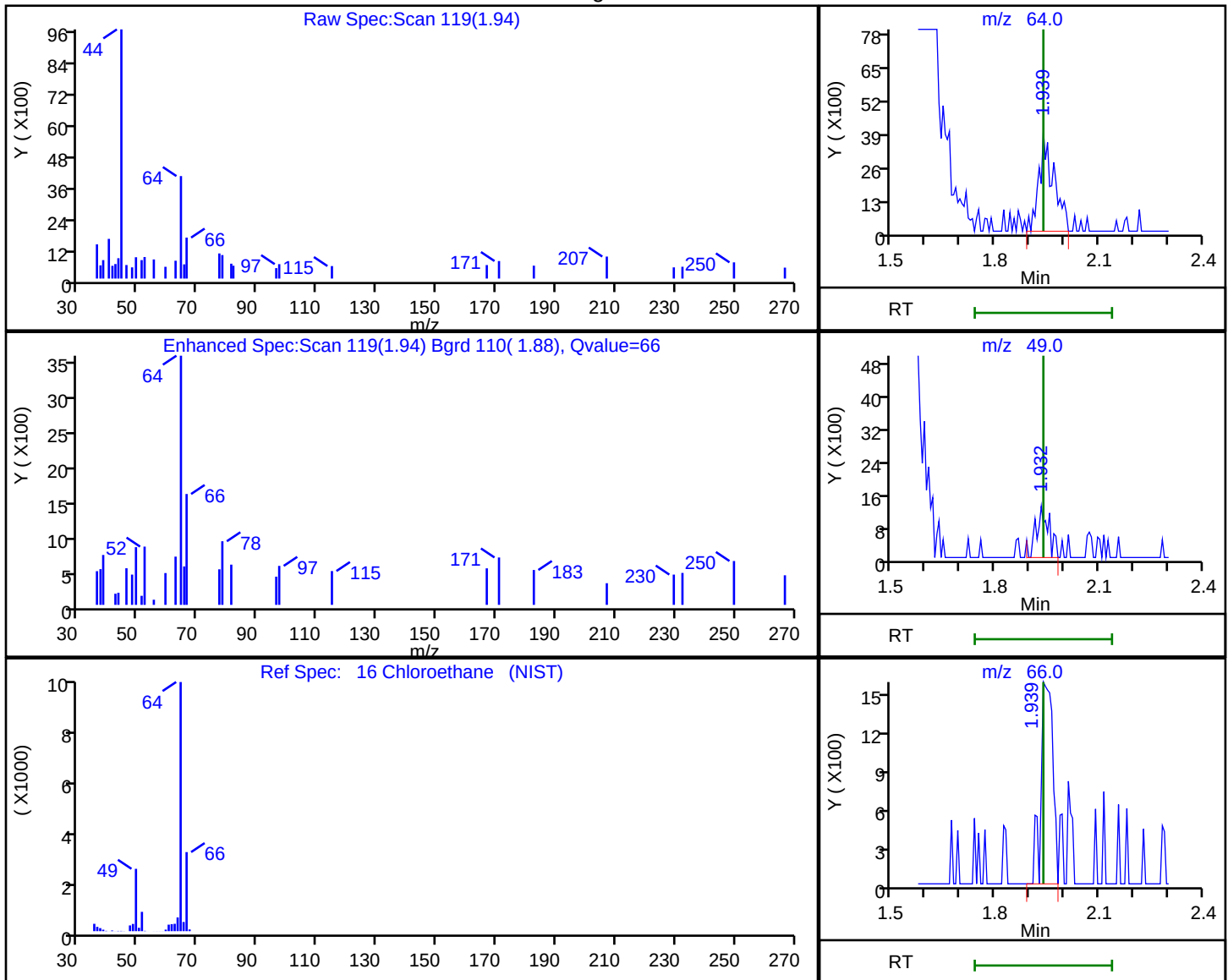
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.94	64.00	11603	1.281277
1.93	49.00	3217	
1.94	66.00	3889	

Reviewer: moffata, 22-Jul-2018 13:50:22

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>Duplicate</u>	Lab Sample ID: <u>480-138931-9</u>
Matrix: <u>Water</u>	Lab File ID: <u>N1717.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/13/2018 12:30</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/22/2018 05:09</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>425702</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	2.4		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	0.44	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)	99		10	1.3
591-78-6	2-Hexanone	1.2	J	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	35		10	3.0
71-43-2	Benzene	3.7		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	530	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	2.2		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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: Duplicate Lab Sample ID: 480-138931-9
 Matrix: Water Lab File ID: N1717.D
 Analysis Method: 8260C Date Collected: 07/13/2018 12:30
 Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 05:09
 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.: 425702 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	16		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	18		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	1.0		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	36		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)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1717.D
 Lims ID: 480-138931-A-9
 Client ID: Duplicate
 Sample Type: Client
 Inject. Date: 22-Jul-2018 05:09:30 ALS Bottle#: 18 Worklist Smp#: 38
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138931-A-9
 Misc. Info.: 480-0073271-038
 Operator ID: LH Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Jul-2018 13:51:48 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: moffata

Date: 22-Jul-2018 13:51:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.357	5.358	-0.001	98	186546	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.339	-0.001	90	674859	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.742	-0.001	95	384185	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	-0.001	92	250385	26.3	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.065	5.072	-0.007	0	335031	26.5	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	903254	25.2	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	92	311374	25.8	
11 Dichlorodifluoromethane	85		1.294				ND	
13 Chloromethane	50		1.464				ND	
14 Vinyl chloride	62	1.549	1.543	0.006	98	589068	36.1	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64	1.945	1.939	0.006	96	4908610	528.1	E
18 Trichlorofluoromethane	101		2.145				ND	
22 1,1-Dichloroethene	96		2.632				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43	2.742	2.742	0.006	99	185068	34.9	
25 Carbon disulfide	76		2.827				ND	U
28 Methyl acetate	43		3.040				ND	
30 Methylene Chloride	84	3.113	3.113	-0.012	80	3363	0.2675	M
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	90	201149	17.8	
36 1,1-Dichloroethane	63	3.764	3.757	0.000	96	56626	2.40	
43 cis-1,2-Dichloroethene	96	4.311	4.305	0.006	83	28496	2.20	
44 2-Butanone (MEK)	43	4.335	4.335	0.000	96	991240	99.3	
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.767				ND	U
53 Carbon tetrachloride	117		4.883				ND	
55 Benzene	78	5.090	5.090	0.000	94	167204	3.74	
57 1,2-Dichloroethane	62	5.145	5.145	0.000	39	8915	0.4390	
60 Trichloroethene	95	5.698	5.698	-0.006	22	11283	1.01	a

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.838				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	70	5942	0.8681	
73 Toluene	92	6.933	6.933	0.000	97	424267	16.5	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.475				ND	
82 2-Hexanone	43	7.621	7.614	0.006	81	16055	1.17	
83 Chlorodibromomethane	129		7.779				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91	8.472	8.472	0.000	98	25023	0.5348	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	4017	0.2165	
91 o-Xylene	106	9.020	9.020	0.000	90	3620	0.1976	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.269				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.786				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.119				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1				0		0.4142	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180721-73271.b\\N1717.D

Injection Date: 22-Jul-2018 05:09:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-138931-A-9

Lab Sample ID: 480-138931-9

Worklist Smp#: 38

Client ID: Duplicate

Purge Vol: 5.000 mL

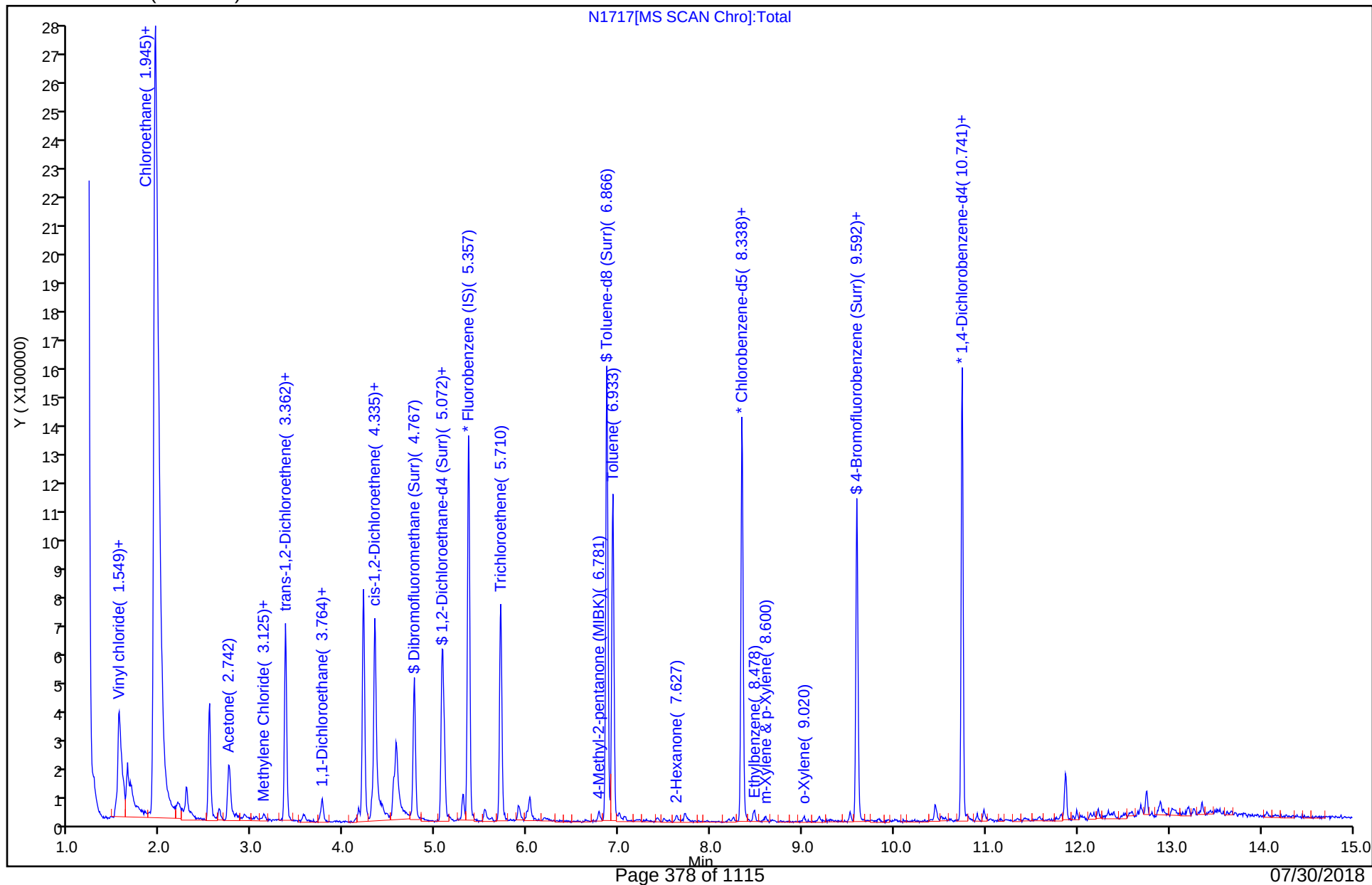
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1717.D

Injection Date: 22-Jul-2018 05:09:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 18

Worklist Smp#: 38

Purge Vol: 5.000 mL

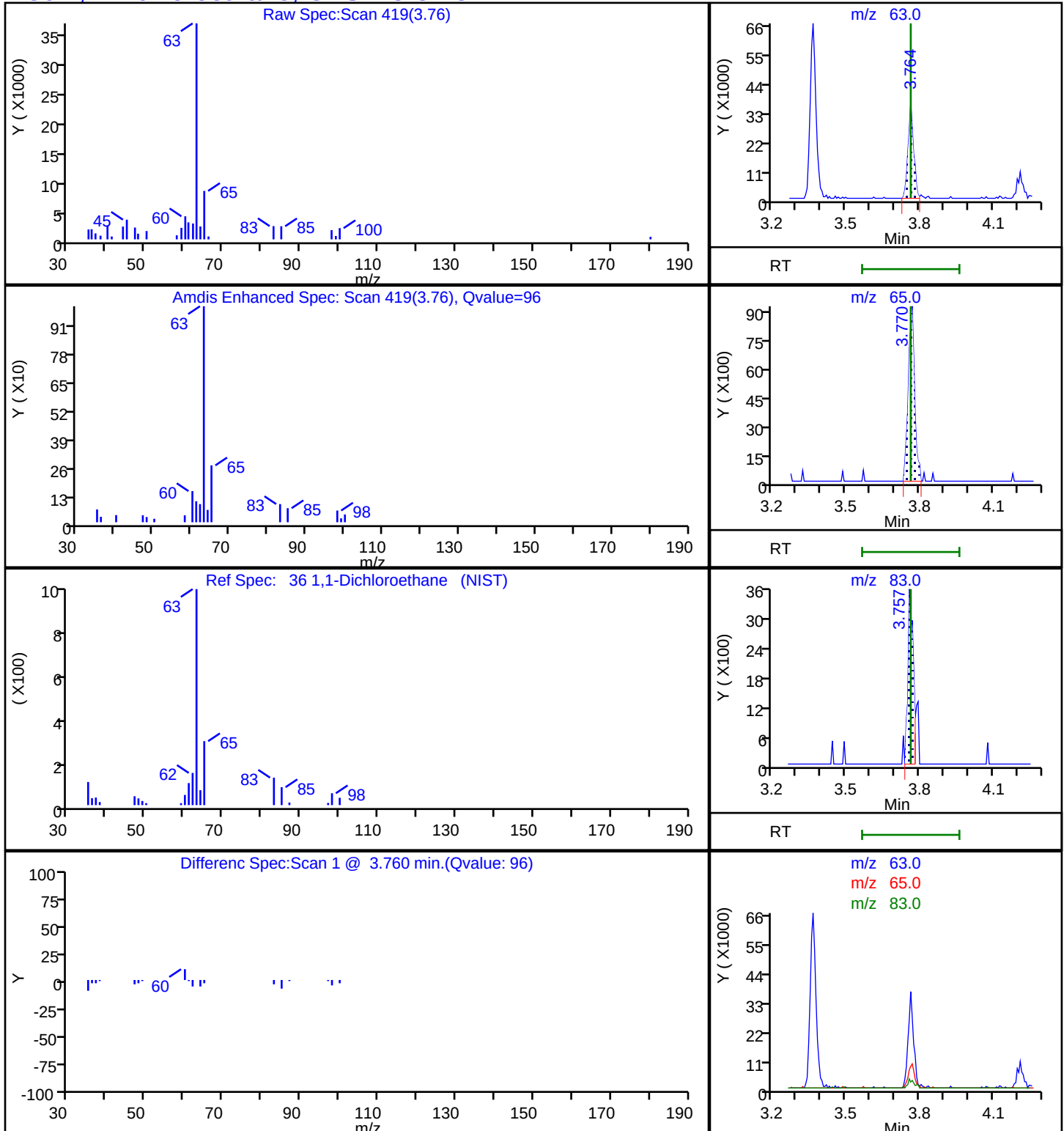
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180721-73271.b\N1717.D

Injection Date: 22-Jul-2018 05:09:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 18

Worklist Smp#: 38

Purge Vol: 5.000 mL

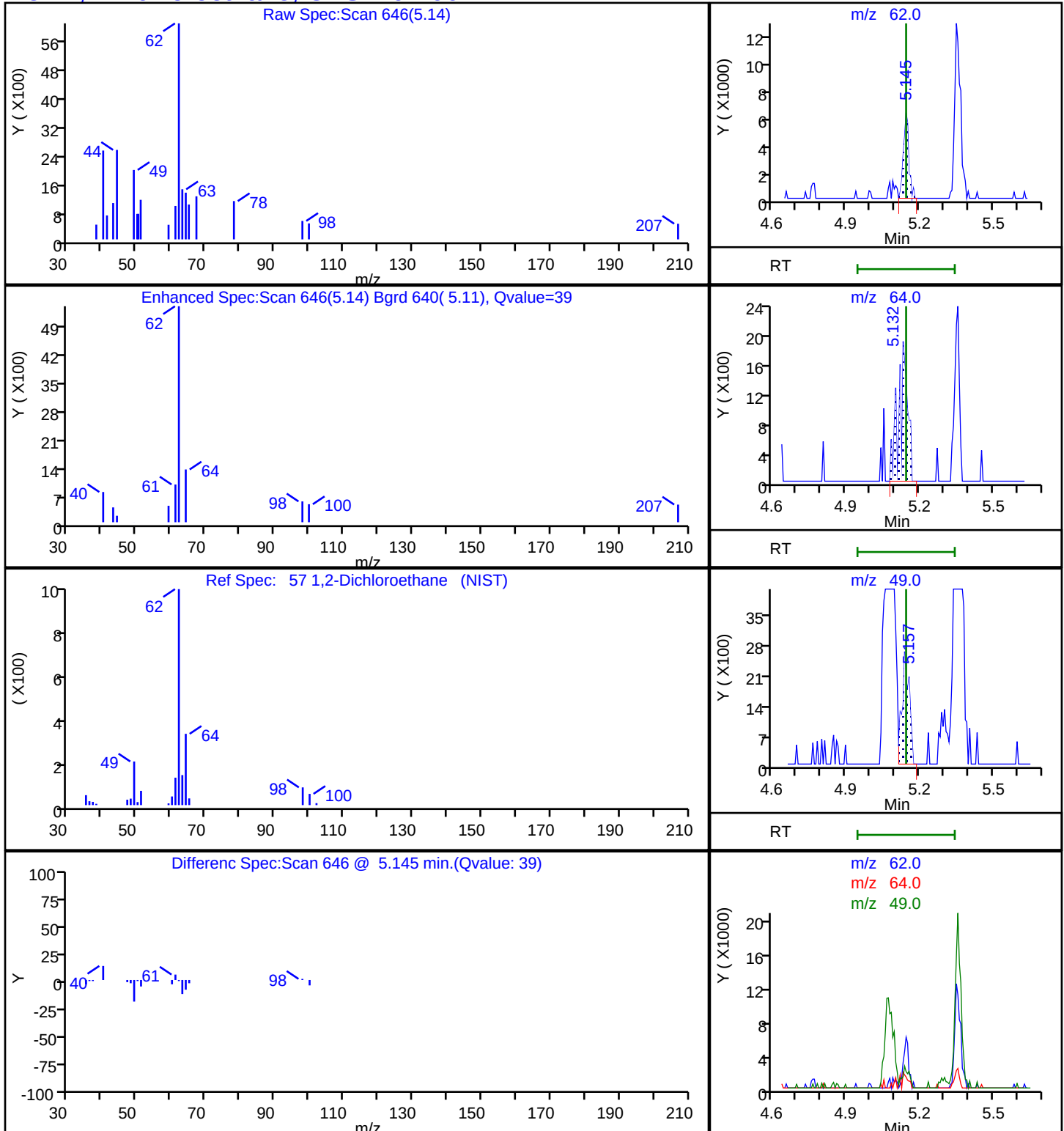
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1717.D

Injection Date: 22-Jul-2018 05:09:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 18

Worklist Smp#: 38

Purge Vol: 5.000 mL

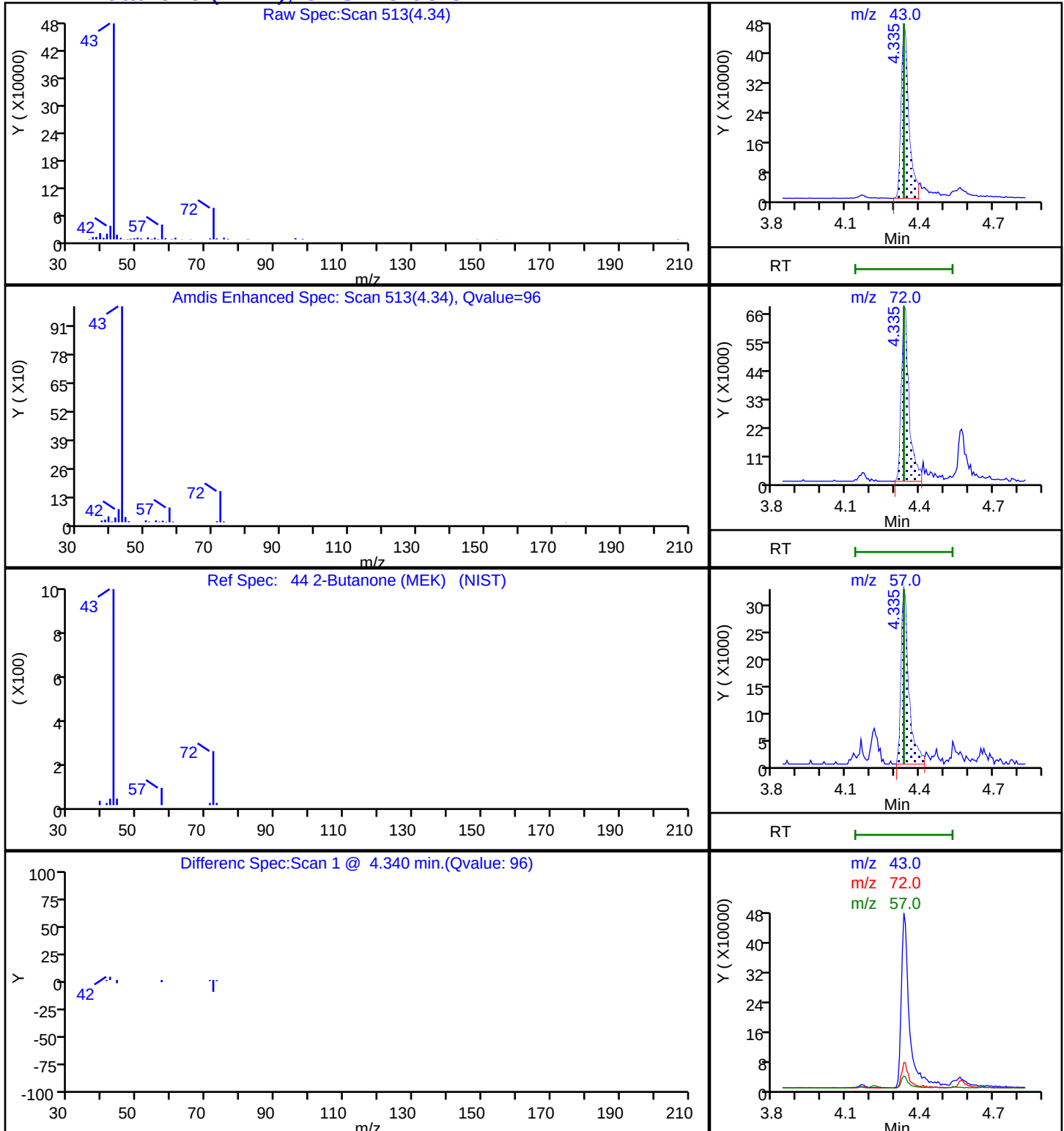
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180721-73271.b\N1717.D

Injection Date: 22-Jul-2018 05:09:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 18

Worklist Smp#: 38

Purge Vol: 5.000 mL

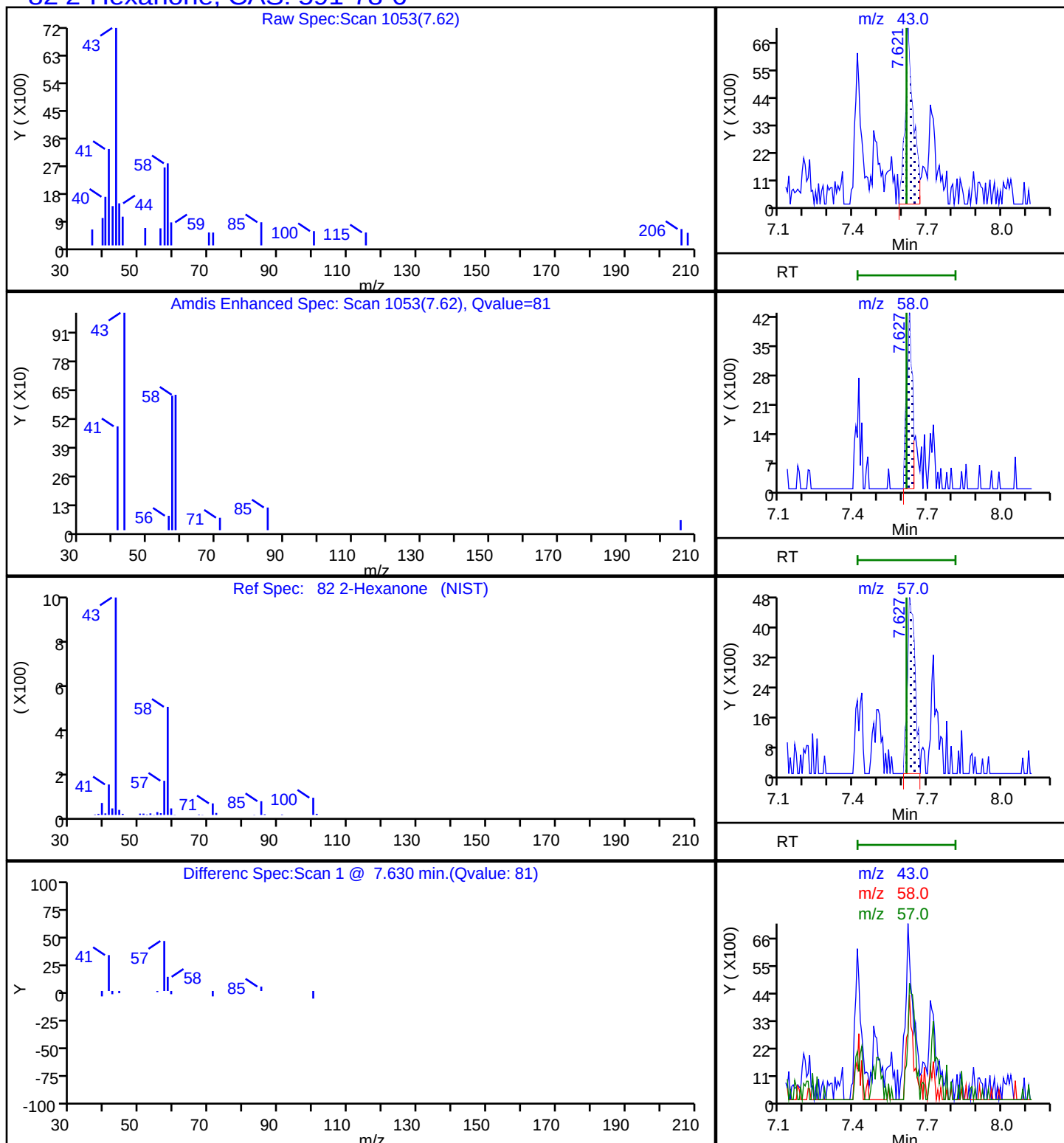
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

82 2-Hexanone, CAS: 591-78-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1717.D

Injection Date: 22-Jul-2018 05:09:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 18

Worklist Smp#: 38

Purge Vol: 5.000 mL

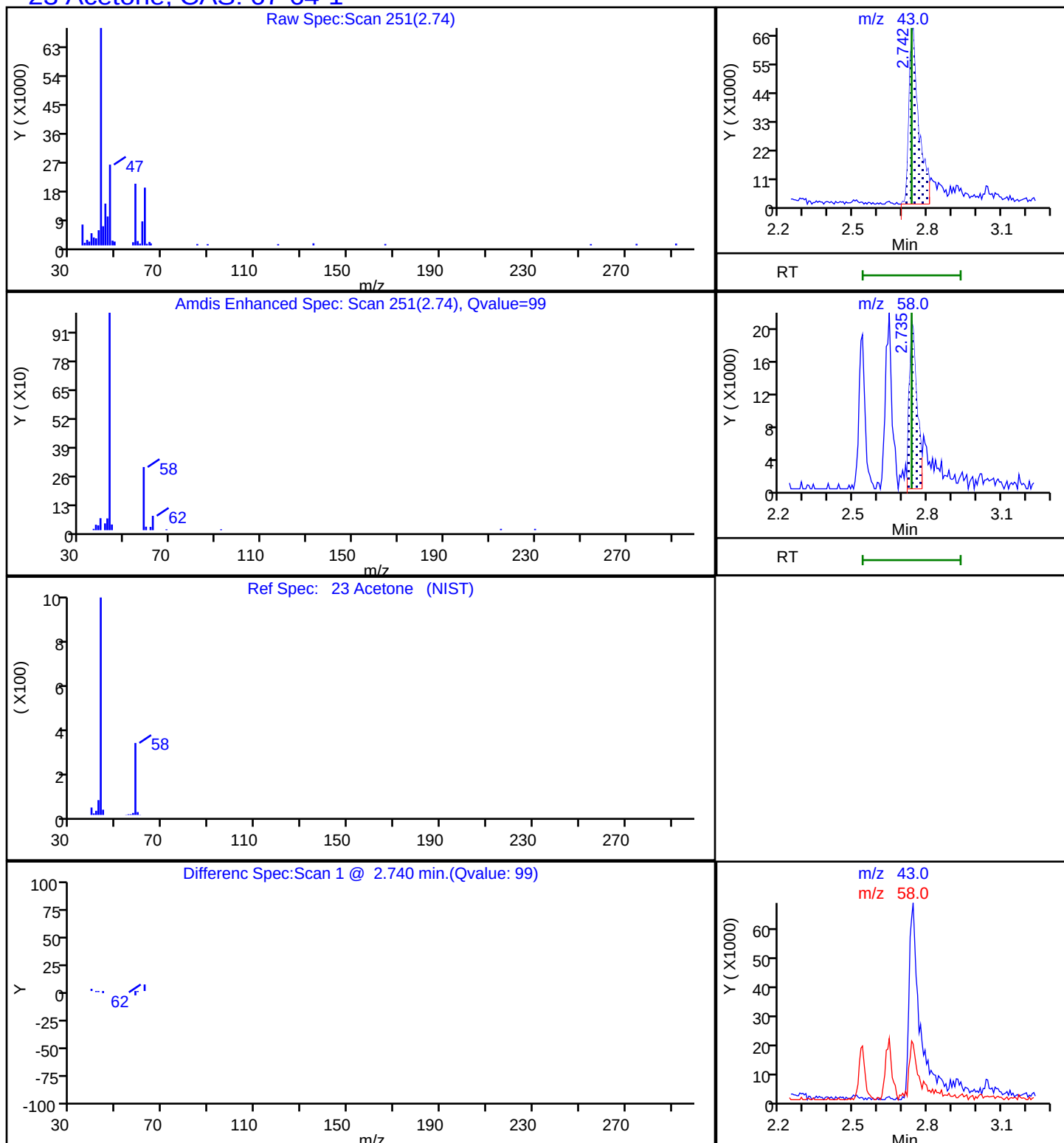
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180721-73271.b\N1717.D

Injection Date: 22-Jul-2018 05:09:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 18

Worklist Smp#: 38

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

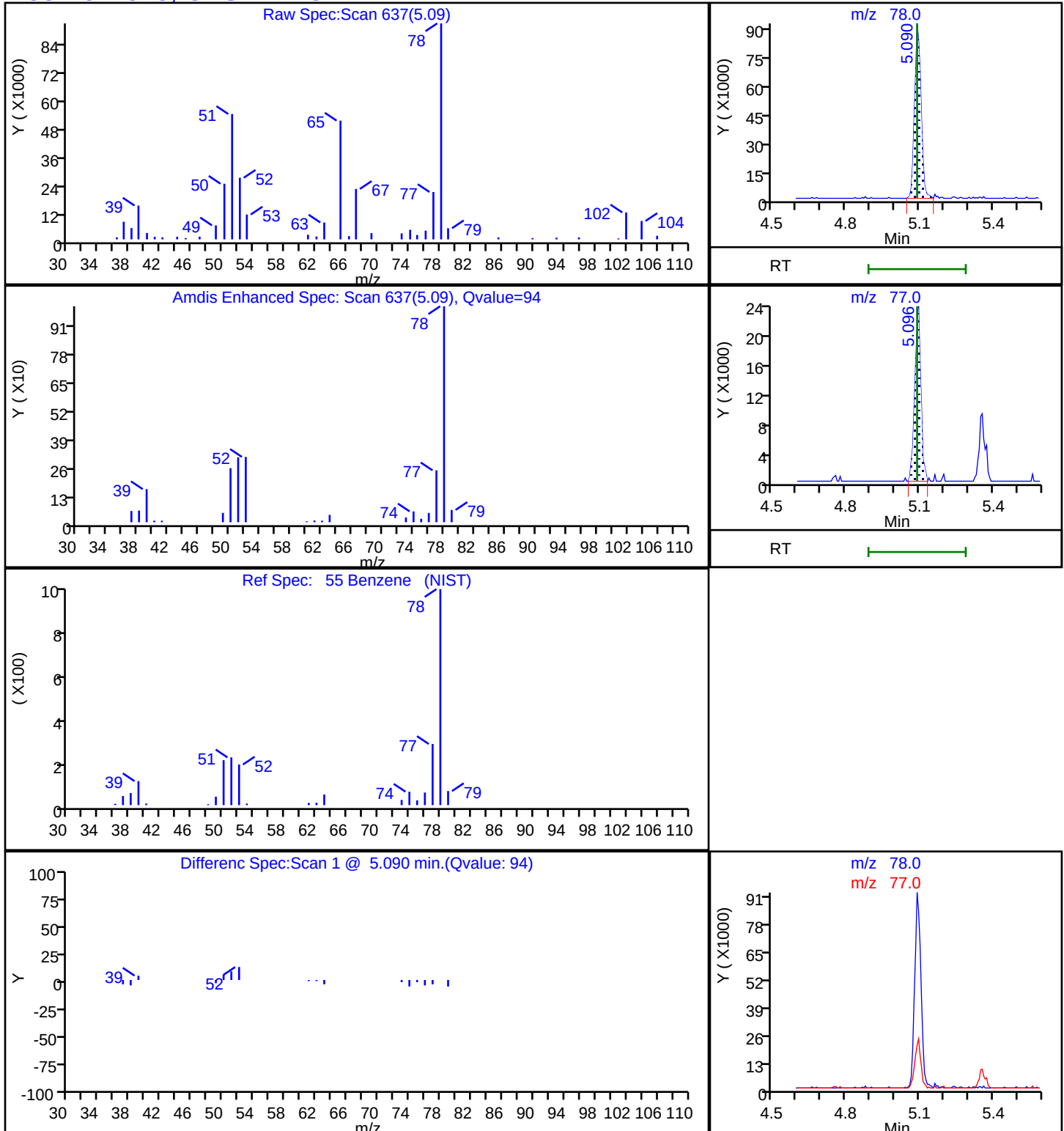
Method: N-8260

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\HP5973N\20180721-73271.b\N1717.D

Injection Date: 22-Jul-2018 05:09:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 18

Worklist Smp#: 38

Purge Vol: 5.000 mL

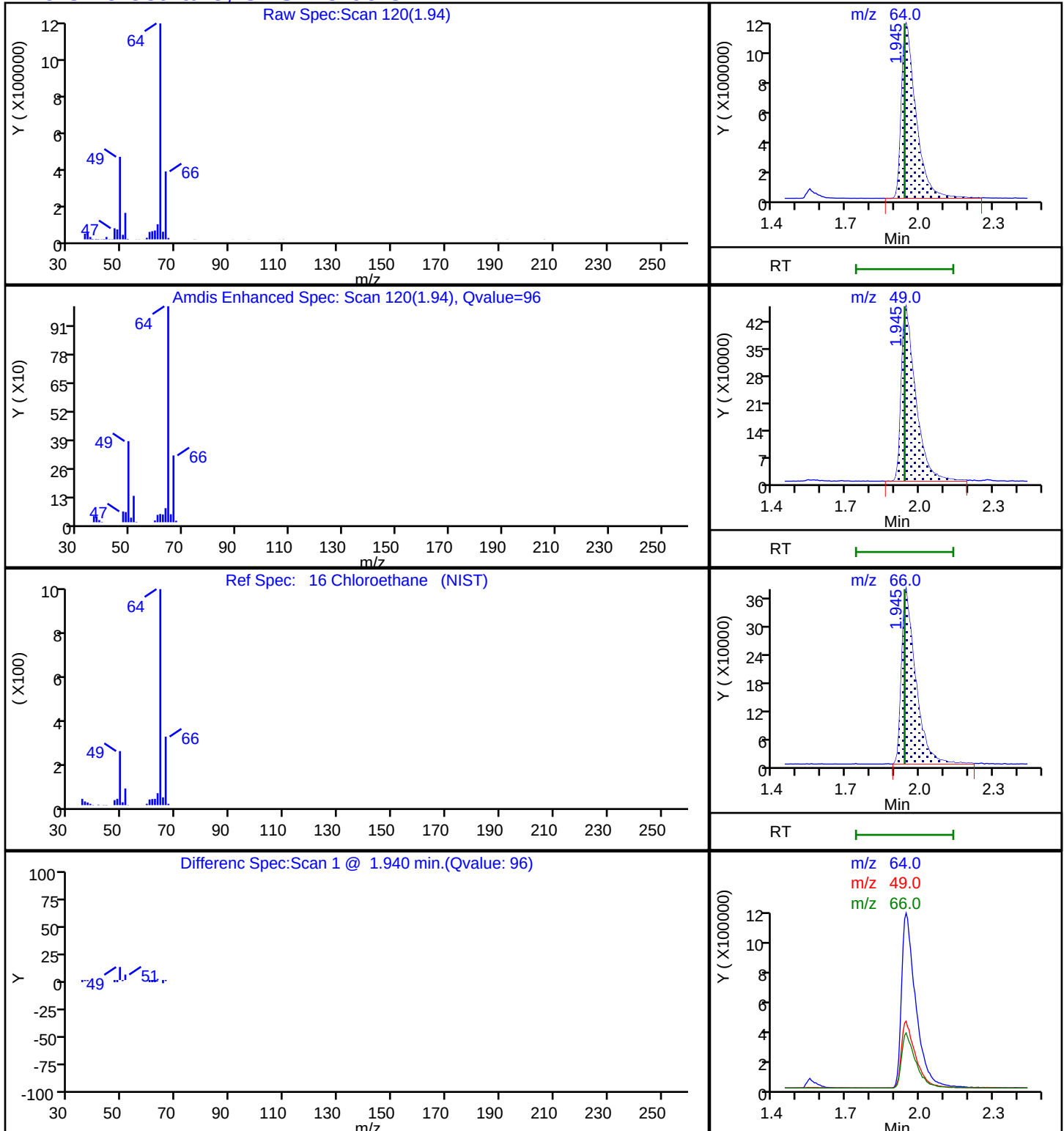
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180721-73271.b\N1717.D

Injection Date: 22-Jul-2018 05:09:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 18

Worklist Smp#: 38

Purge Vol: 5.000 mL

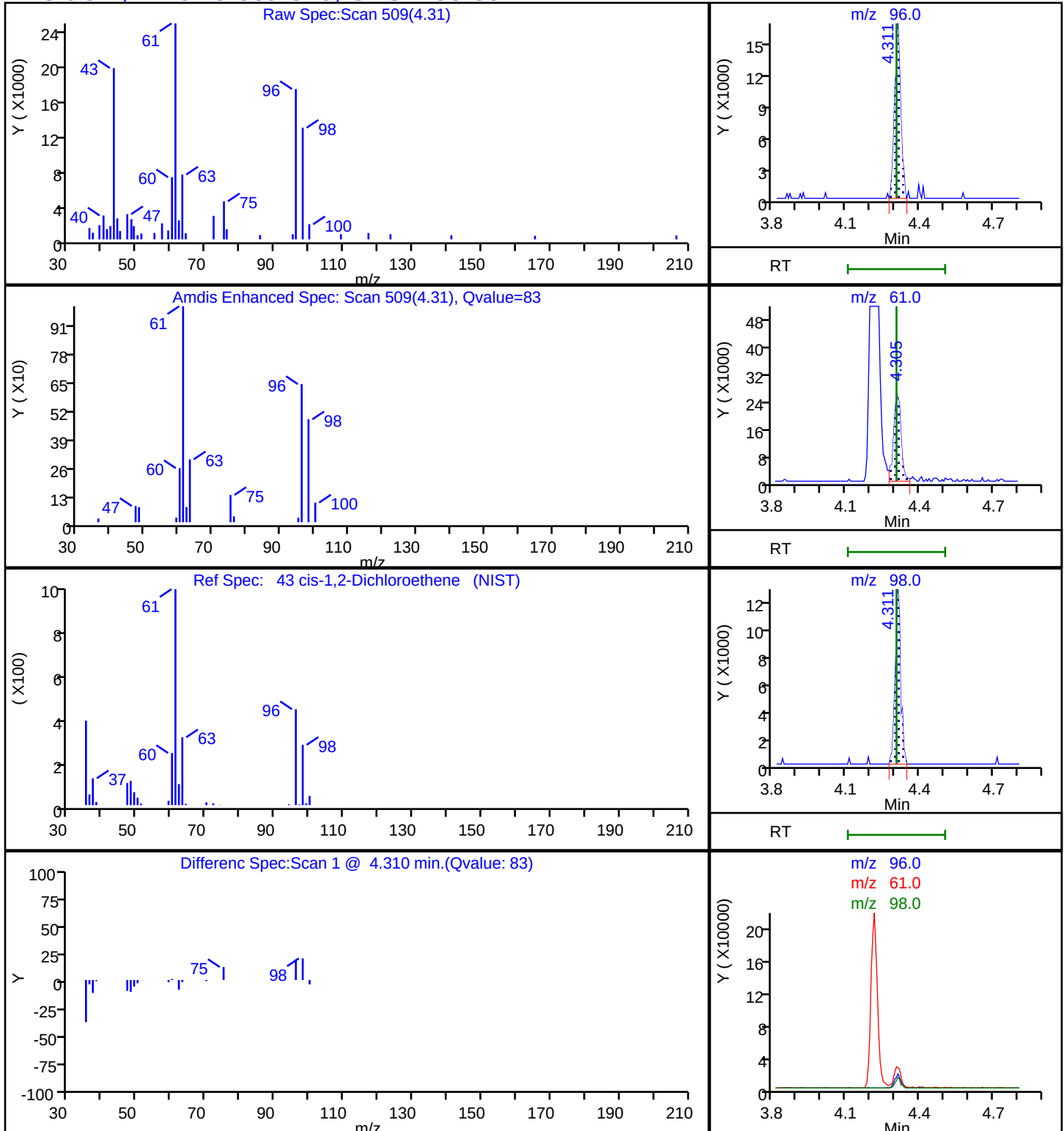
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180721-73271.b\N1717.D

Injection Date: 22-Jul-2018 05:09:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 18

Worklist Smp#: 38

Purge Vol: 5.000 mL

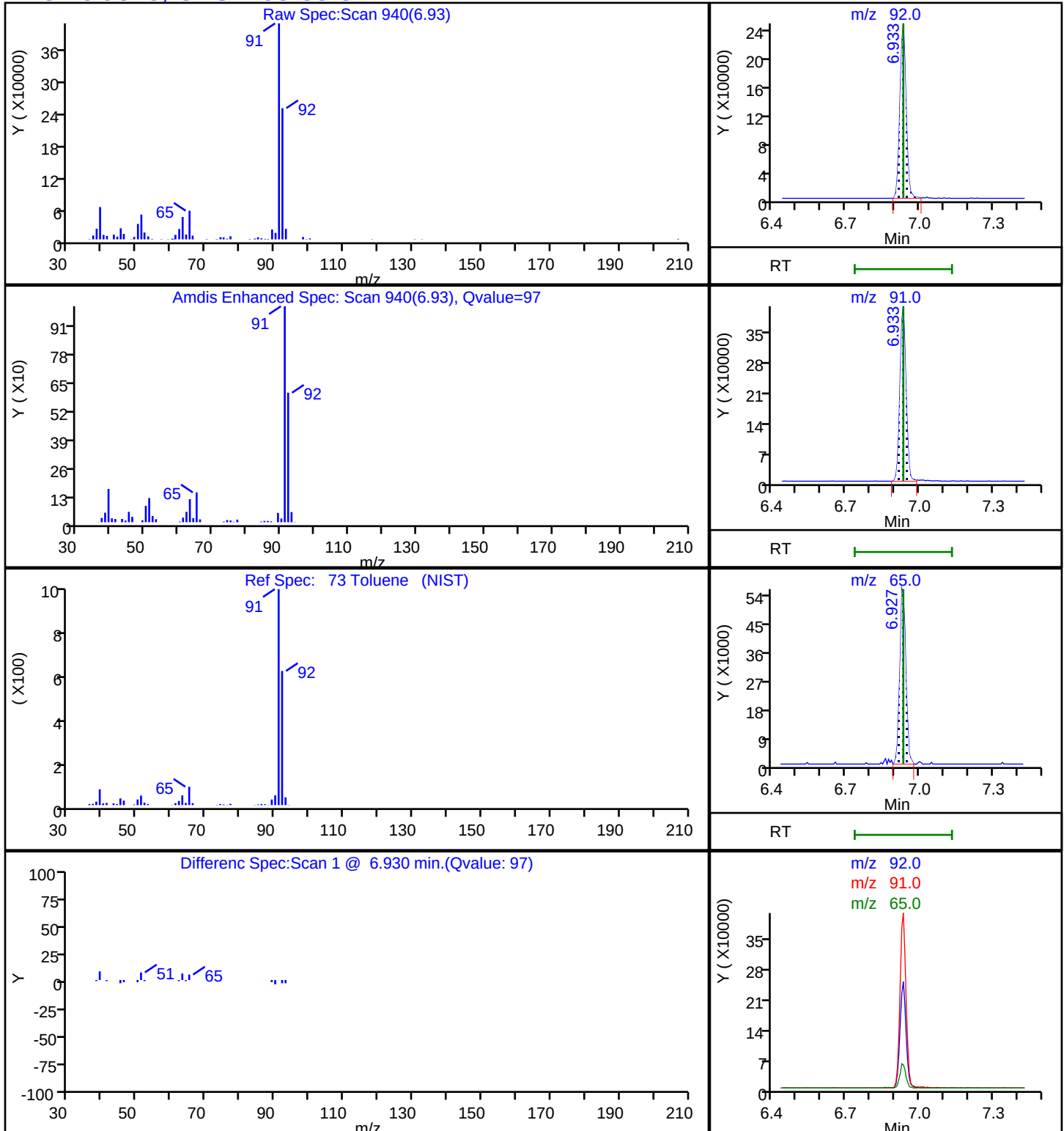
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180721-73271.b\N1717.D

Injection Date: 22-Jul-2018 05:09:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 18

Worklist Smp#: 38

Purge Vol: 5.000 mL

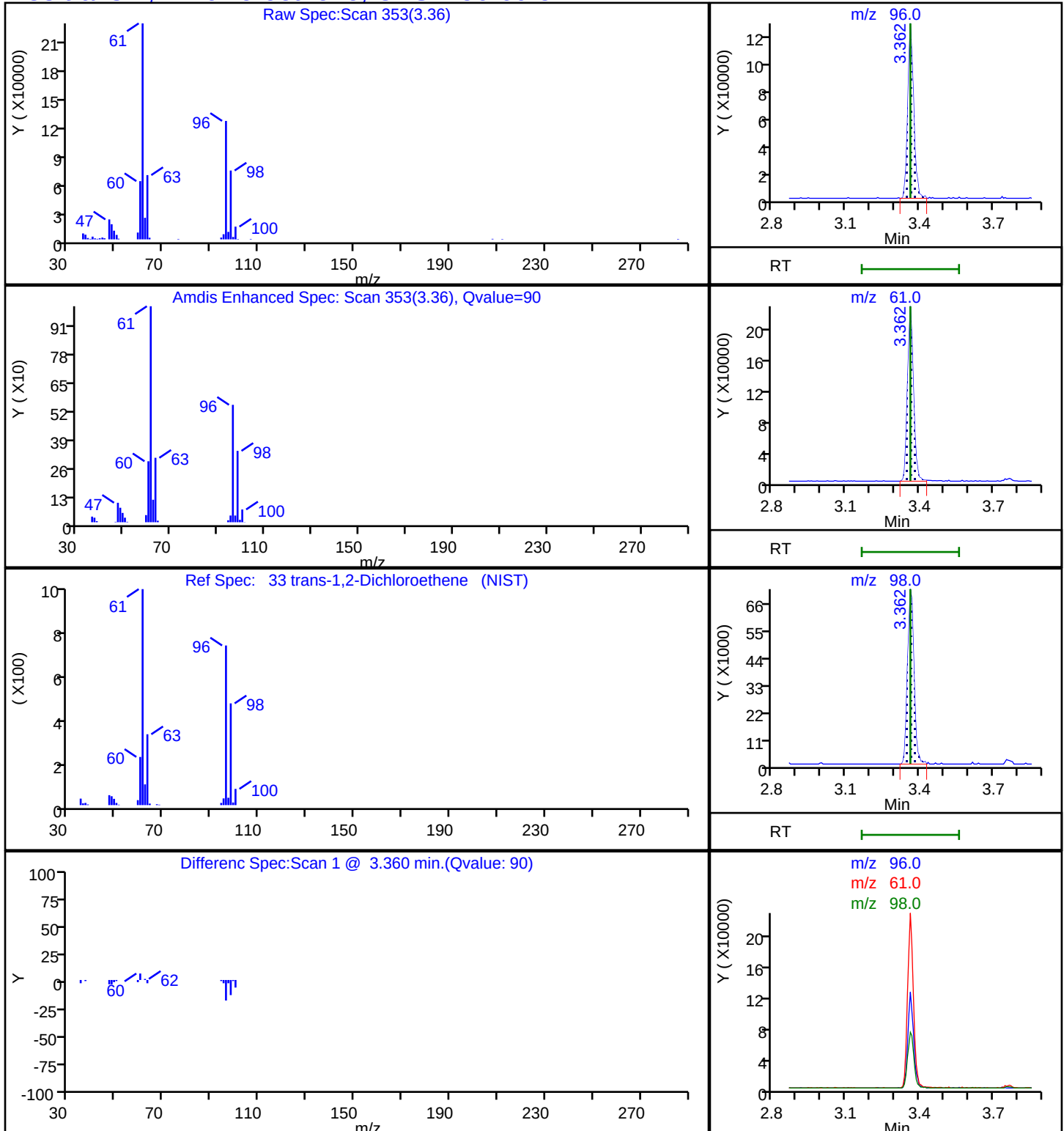
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1717.D

Injection Date: 22-Jul-2018 05:09:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 18

Worklist Smp#: 38

Purge Vol: 5.000 mL

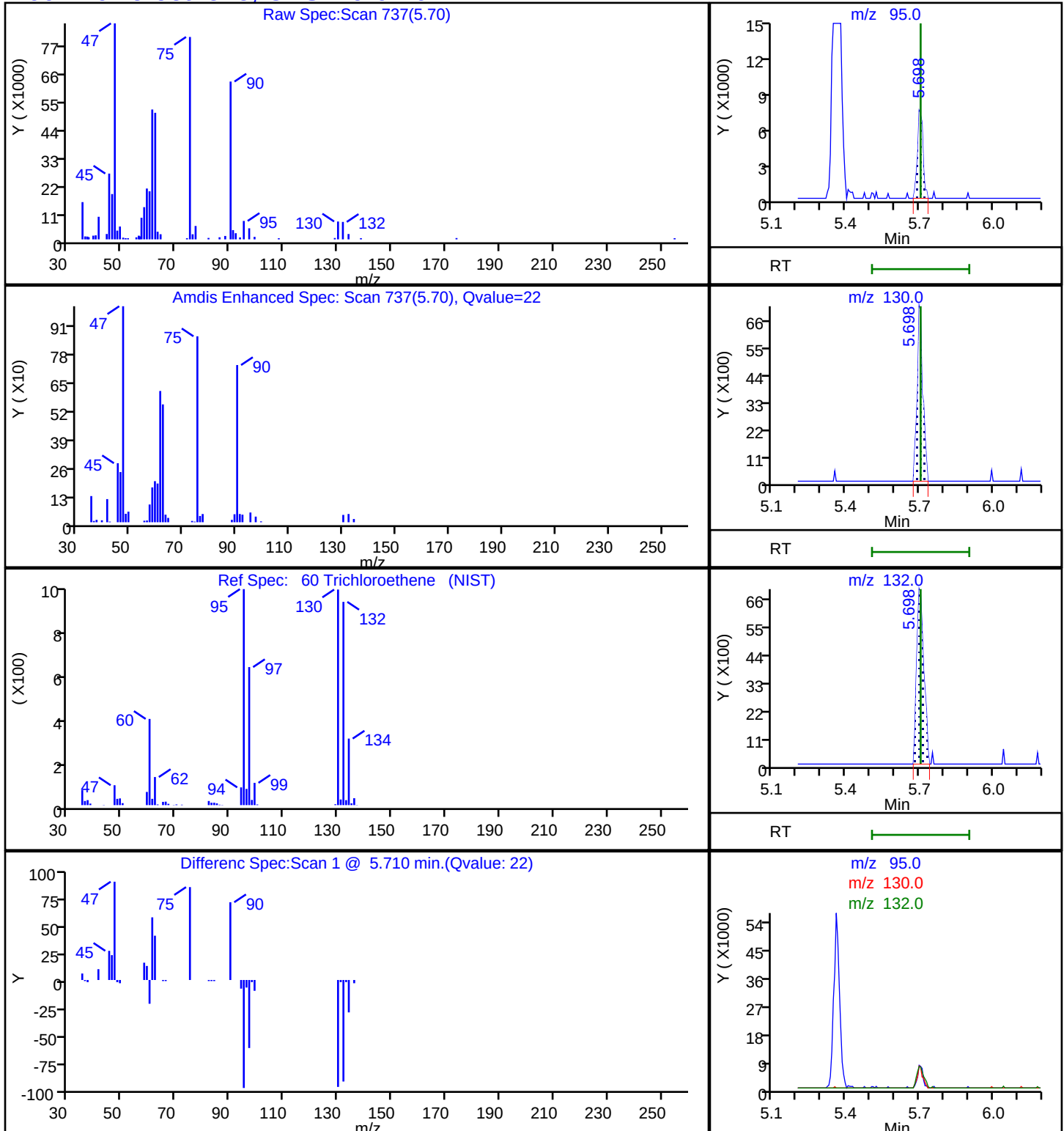
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180721-73271.b\\N1717.D

Injection Date: 22-Jul-2018 05:09:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 18

Worklist Smp#: 38

Purge Vol: 5.000 mL

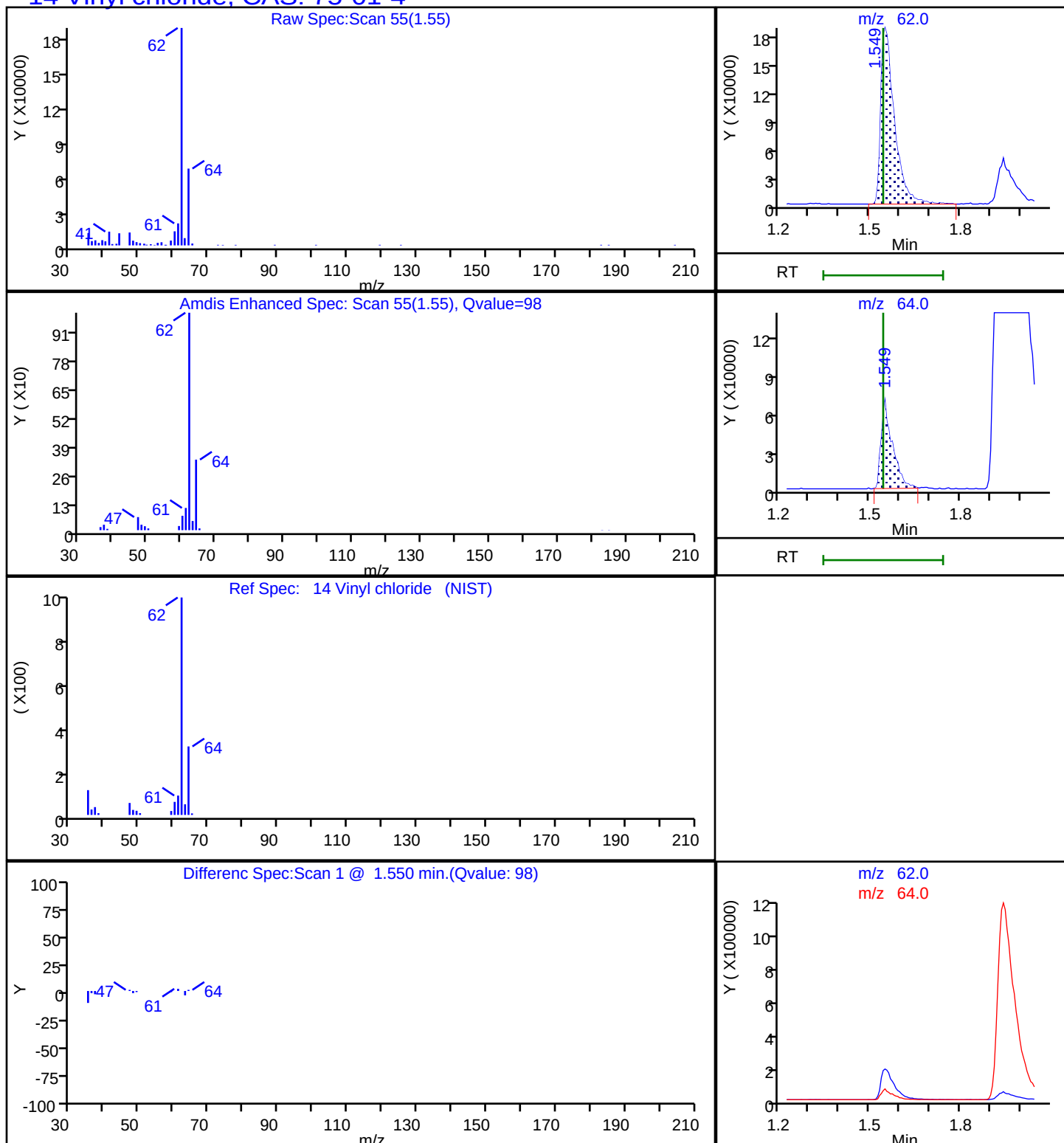
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180721-73271.b\N1717.D

Injection Date: 22-Jul-2018 05:09:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 18 Worklist Smp#: 38

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

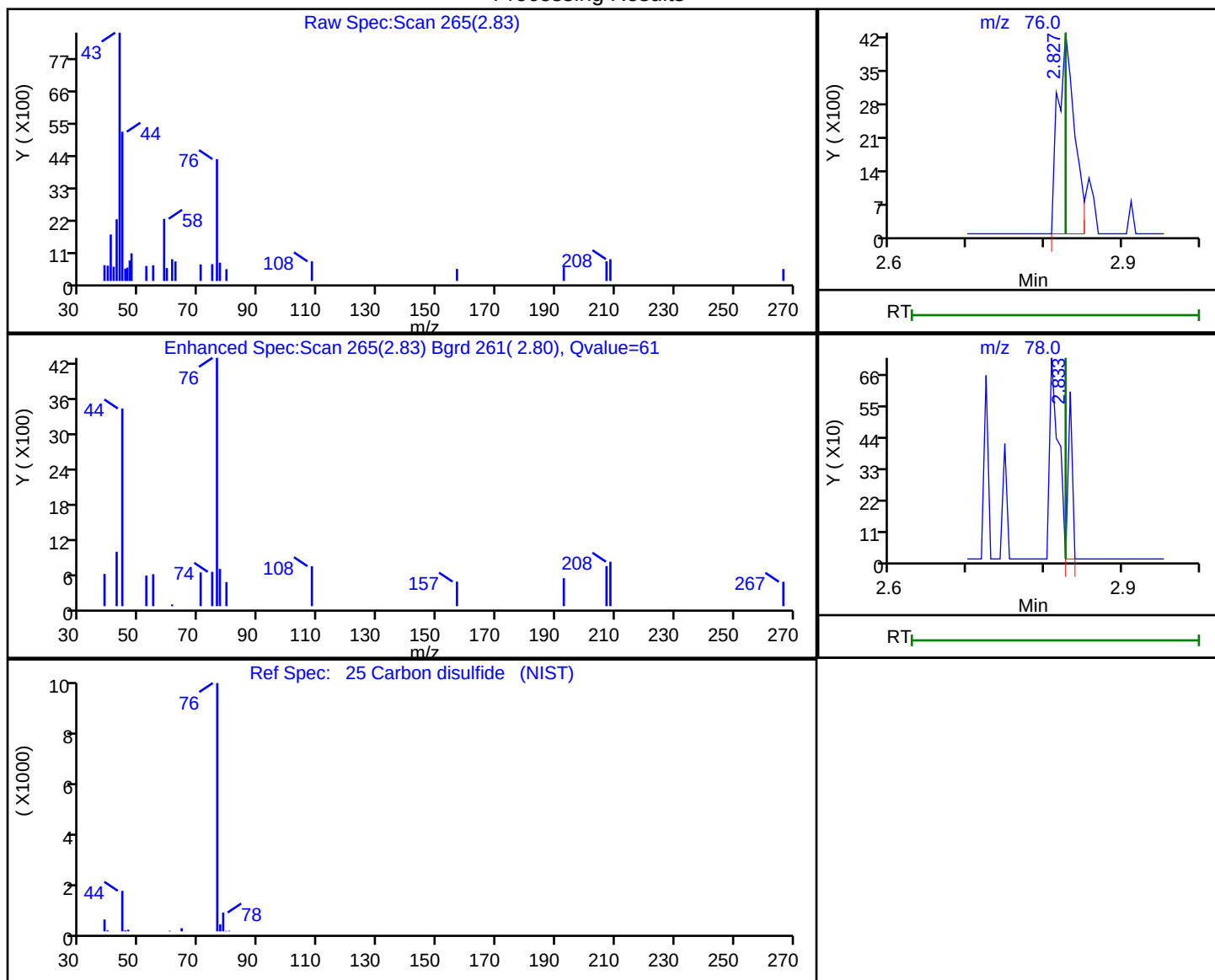
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 Carbon disulfide, CAS: 75-15-0

Processing Results



Reviewer: moffata, 22-Jul-2018 13:51:02

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1717.D

Injection Date: 22-Jul-2018 05:09:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 18 Worklist Smp#: 38

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

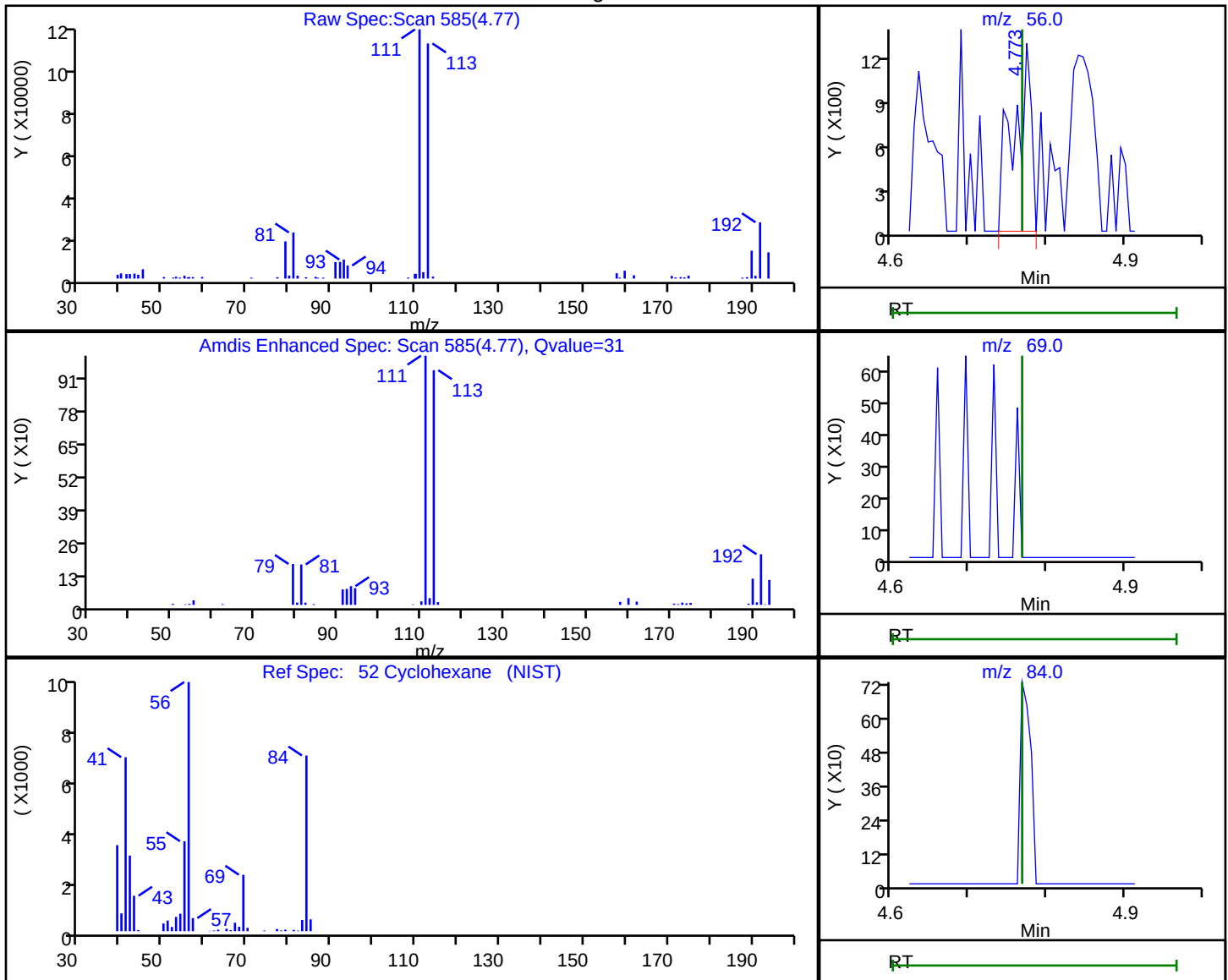
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

52 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
4.77	56.00	1934	0.302640
4.77	69.00	0	
4.77	84.00	0	

Reviewer: moffata, 22-Jul-2018 13:51:17

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1717.D

Injection Date: 22-Jul-2018 05:09:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 18 Worklist Smp#: 38

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

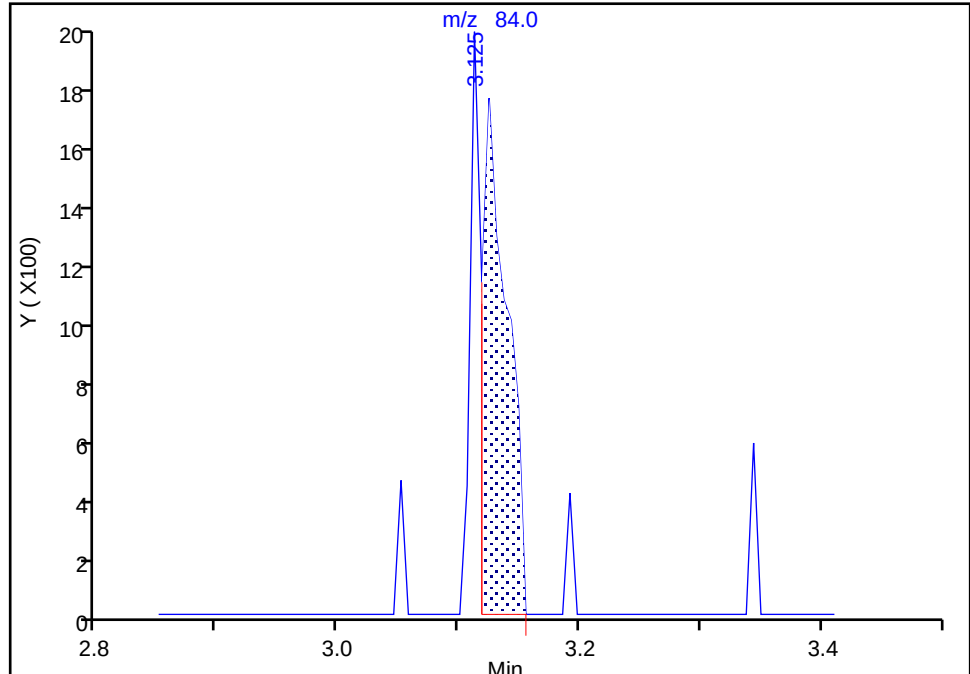
Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

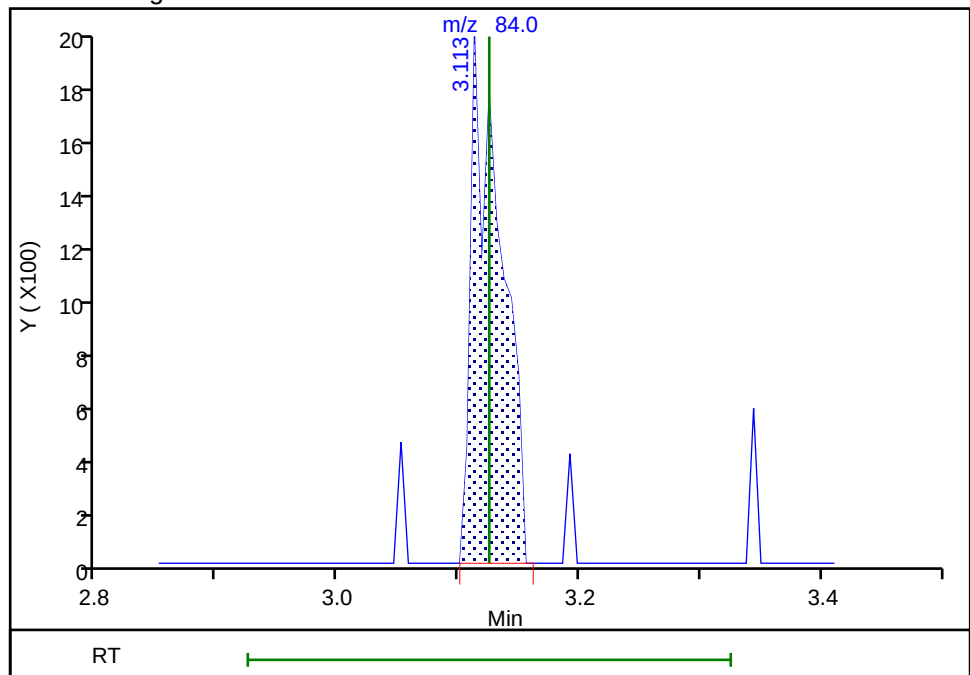
RT: 3.12
Area: 2495
Amount: 0.198481
Amount Units: ug/L

Processing Integration Results



RT: 3.11
Area: 3363
Amount: 0.267531
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 22-Jul-2018 13:51:12

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

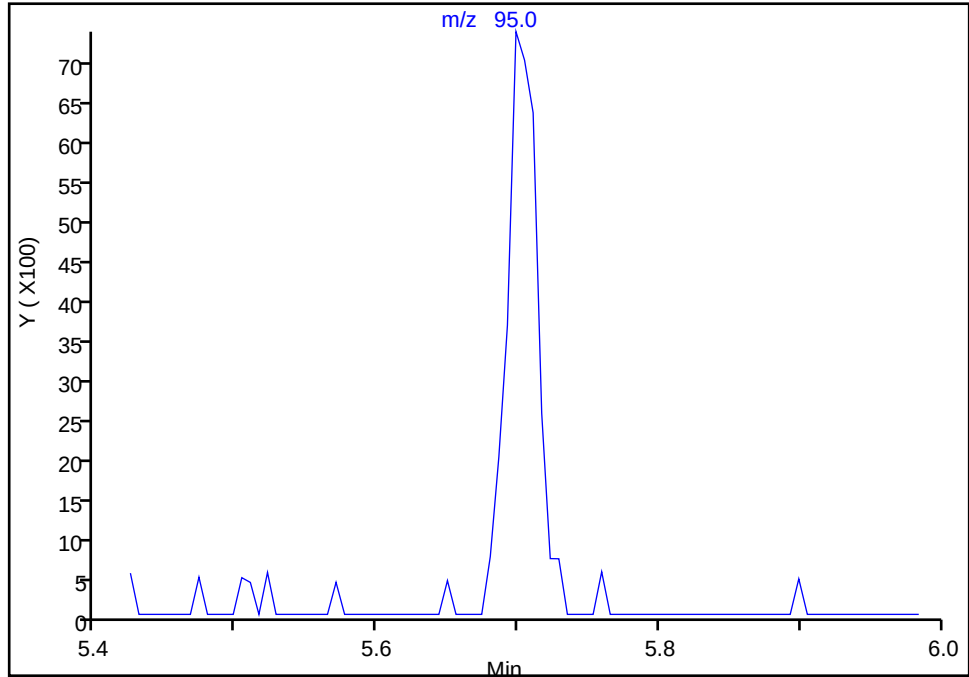
Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1717.D		
Injection Date:	22-Jul-2018 05:09:30	Instrument ID:	HP5973N
Lims ID:	480-138931-A-9	Lab Sample ID:	480-138931-9
Client ID:	Duplicate		
Operator ID:	LH	ALS Bottle#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	N-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	38

60 Trichloroethene, CAS: 79-01-6

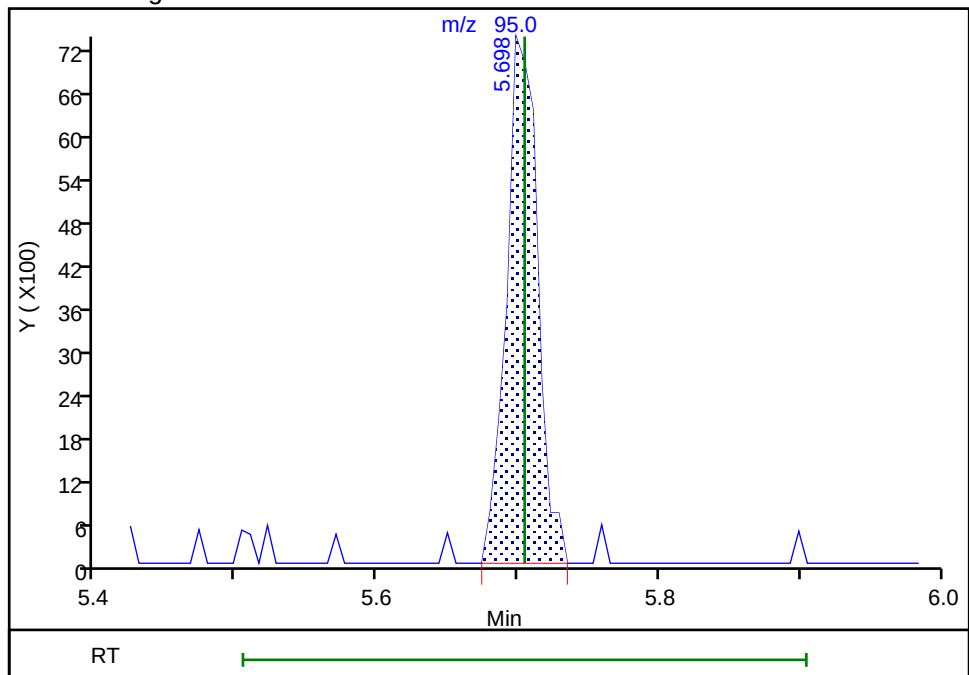
Signal: 1

Not Detected
Expected RT: 5.70

Processing Integration Results



Manual Integration Results

Reviewer: moffata, 22-Jul-2018 13:51:36
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>Duplicate DL</u>	Lab Sample ID: <u>480-138931-9 DL</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3765.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/13/2018 12:30</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/22/2018 11:23</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>425707</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	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)	110		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	44	J	100	30
71-43-2	Benzene	4.2	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	630		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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: Duplicate DL Lab Sample ID: 480-138931-9 DL
 Matrix: Water Lab File ID: S3765.D
 Analysis Method: 8260C Date Collected: 07/13/2018 12:30
 Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 11:23
 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.: 425707 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	18		10	5.1
156-60-5	trans-1,2-Dichloroethene	21		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	39		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)	96		73-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3765.D
 Lims ID: 480-138931-B-9
 Client ID: Duplicate
 Sample Type: Client
 Inject. Date: 22-Jul-2018 11:23:30 ALS Bottle#: 1 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-138931-B-9
 Misc. Info.: 480-0073273-010
 Operator ID: AM Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Jul-2018 13:51:33 Calib Date: 20-Jul-2018 00:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3725.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX0307

First Level Reviewer: velickovics

Date: 23-Jul-2018 13:51:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	216638	25.0	
* 2 Chlorobenzene-d5	82	8.515	8.509	0.006	84	445241	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.894	10.894	0.000	95	397792	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.937	0.000	58	256182	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	91	160912	24.6	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.030	0.000	93	989681	25.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.769	0.000	87	287104	23.9	
10 Dichlorodifluoromethane	85		1.288				ND	
12 Chloromethane	50		1.464				ND	
13 Vinyl chloride	62	1.549	1.549	0.000	96	57351	3.93	
14 Bromomethane	94		1.884				ND	
15 Chloroethane	64	1.975	1.981	-0.006	95	513027	62.8	
17 Trichlorofluoromethane	101		2.194				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.693				ND	
22 1,1-Dichloroethene	96		2.723				ND	
23 Acetone	43	2.851	2.851	0.000	72	20823	4.37	
26 Carbon disulfide	76		2.930				ND	U
27 Methyl acetate	43		3.149				ND	
30 Methylene Chloride	84		3.259				ND	MUa
32 Methyl tert-butyl ether	73		3.454				ND	
34 trans-1,2-Dichloroethene	96	3.466	3.472	-0.006	94	22144	2.07	
39 1,1-Dichloroethane	63	3.904	3.898	0.006	37	6702	0.3078	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	18	3833	0.3039	Ma
43 2-Butanone (MEK)	43	4.506	4.494	0.012	99	83441	10.9	
50 Chloroform	83		4.774				ND	
52 Cyclohexane	56		4.883				ND	
51 1,1,1-Trichloroethane	97		4.883				ND	
55 Carbon tetrachloride	117		5.017				ND	
57 Benzene	78	5.248	5.242	0.006	24	18932	0.4198	
58 1,2-Dichloroethane	62		5.315				ND	Ua
62 Trichloroethene	95	5.850	5.850	0.000	1	1130	0.0983	Ma

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.966				ND	
65 1,2-Dichloropropane	63		6.094				ND	
68 Dichlorobromomethane	83		6.386				ND	
72 cis-1,3-Dichloropropene	75		6.806				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.952				ND	
74 Toluene	92	7.091	7.097	0.000	77	51490	1.77	
77 trans-1,3-Dichloropropene	75		7.377				ND	
79 1,1,2-Trichloroethane	83		7.566				ND	
81 Tetrachloroethene	166		7.621				ND	
80 2-Hexanone	43		7.791				ND	
83 Chlorodibromomethane	129		7.968				ND	
84 Ethylene Dibromide	107		8.071				ND	
87 Chlorobenzene	112		8.539				ND	
88 Ethylbenzene	91		8.631				ND	MUa
90 m-Xylene & p-Xylene	106		8.752				ND	
91 o-Xylene	106		9.178				ND	
92 Styrene	104		9.209				ND	
95 Bromoform	173		9.470				ND	
94 Isopropylbenzene	105		9.561				ND	
97 1,1,2,2-Tetrachloroethane	83		9.969				ND	
111 1,3-Dichlorobenzene	146		10.827				ND	
113 1,4-Dichlorobenzene	146		10.912				ND	
116 1,2-Dichlorobenzene	146		11.265				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995				ND	
119 1,2,4-Trichlorobenzene	180		12.664				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3765.D

Injection Date: 22-Jul-2018 11:23:30

Instrument ID: HP5973S

Operator ID: AM

Lims ID: 480-138931-B-9

Lab Sample ID: 480-138931-9

Worklist Smp#: 10

Client ID: Duplicate

Purge Vol: 5.000 mL

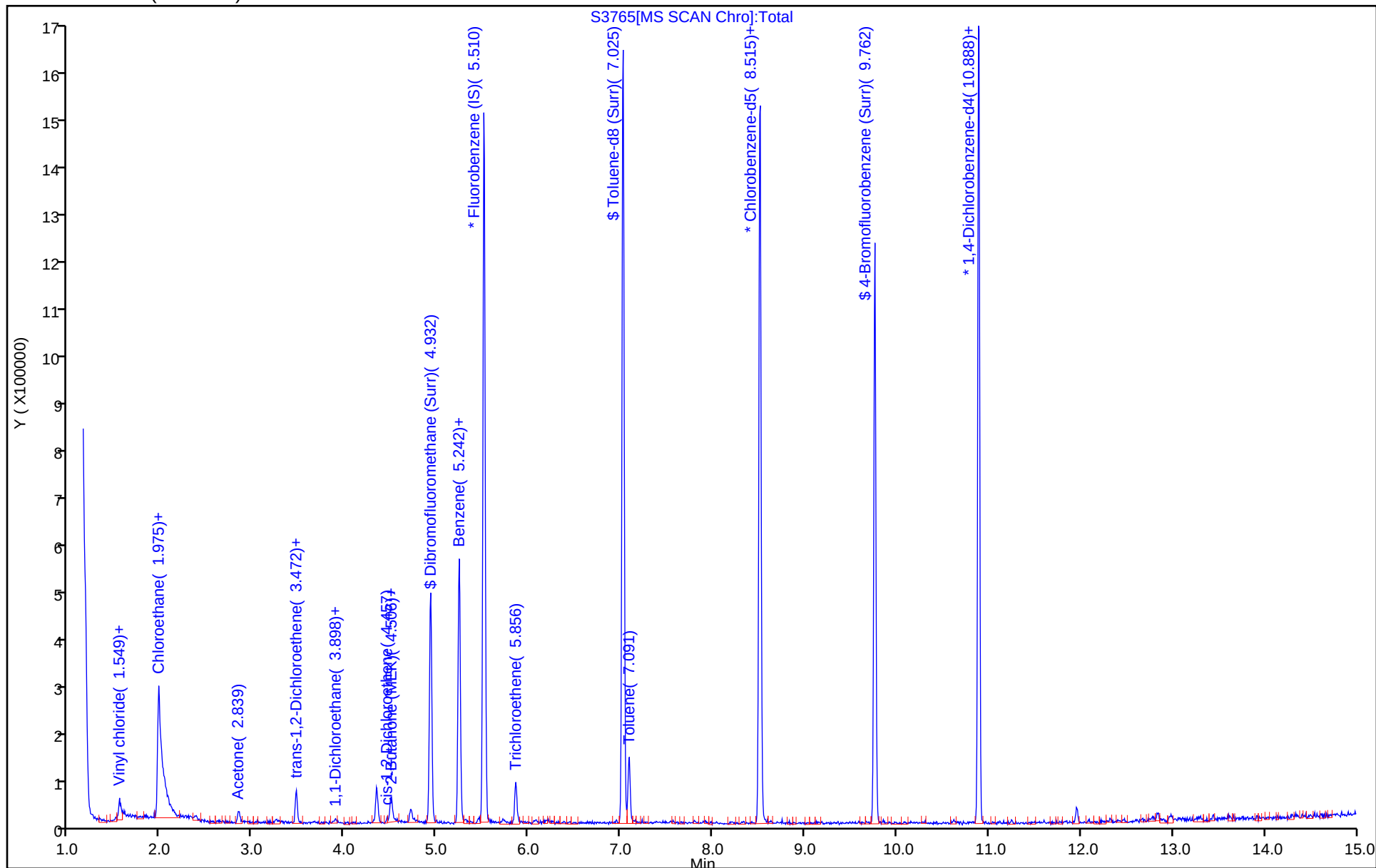
Dil. Factor: 10.0000

ALS Bottle#: 1

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3765.D

Injection Date: 22-Jul-2018 11:23:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 10

Purge Vol: 5.000 mL

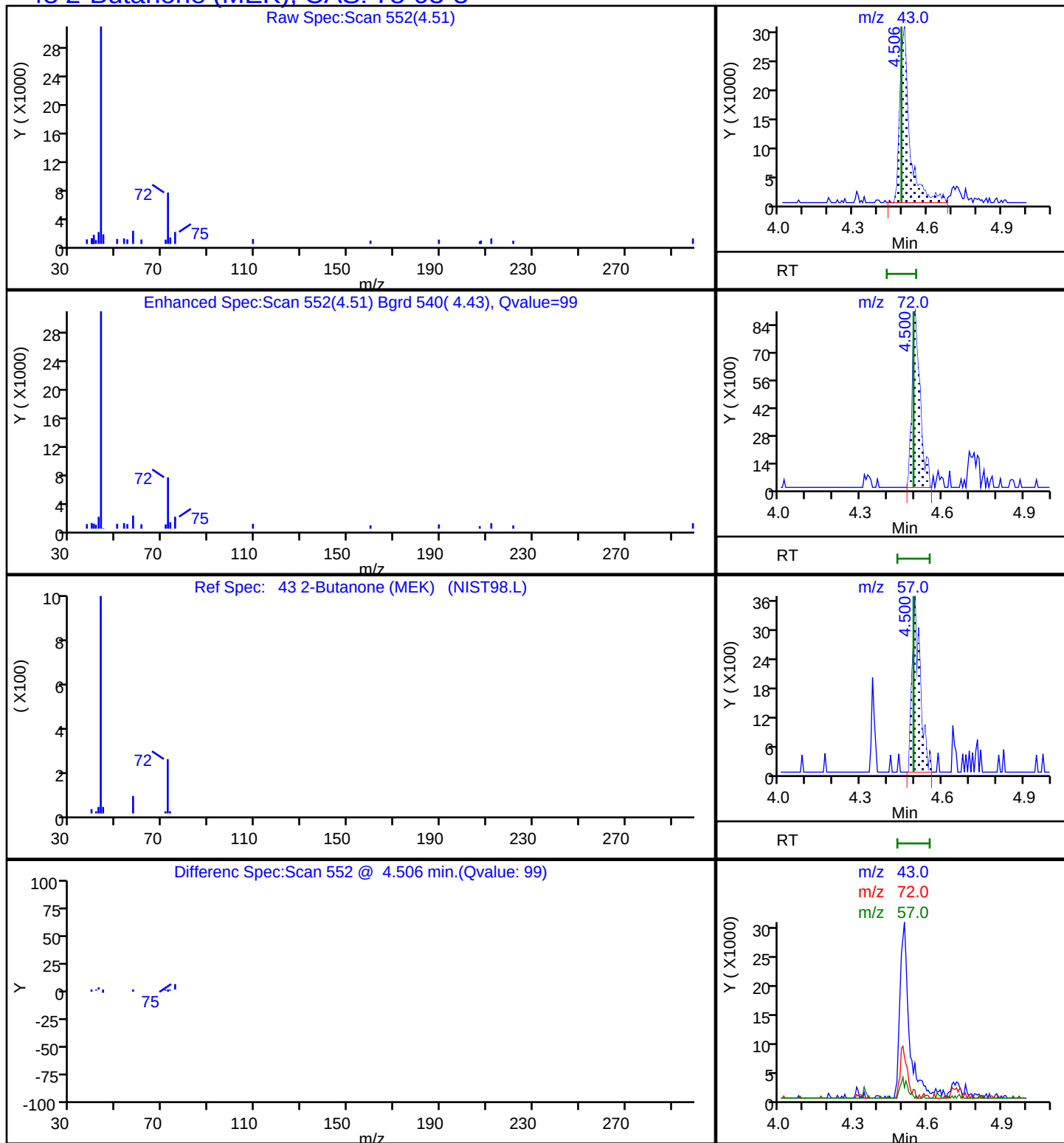
Dil. Factor: 10.0000

Method: S-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\HP5973S\20180722-73273.b\S3765.D

Injection Date: 22-Jul-2018 11:23:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 10

Purge Vol: 5.000 mL

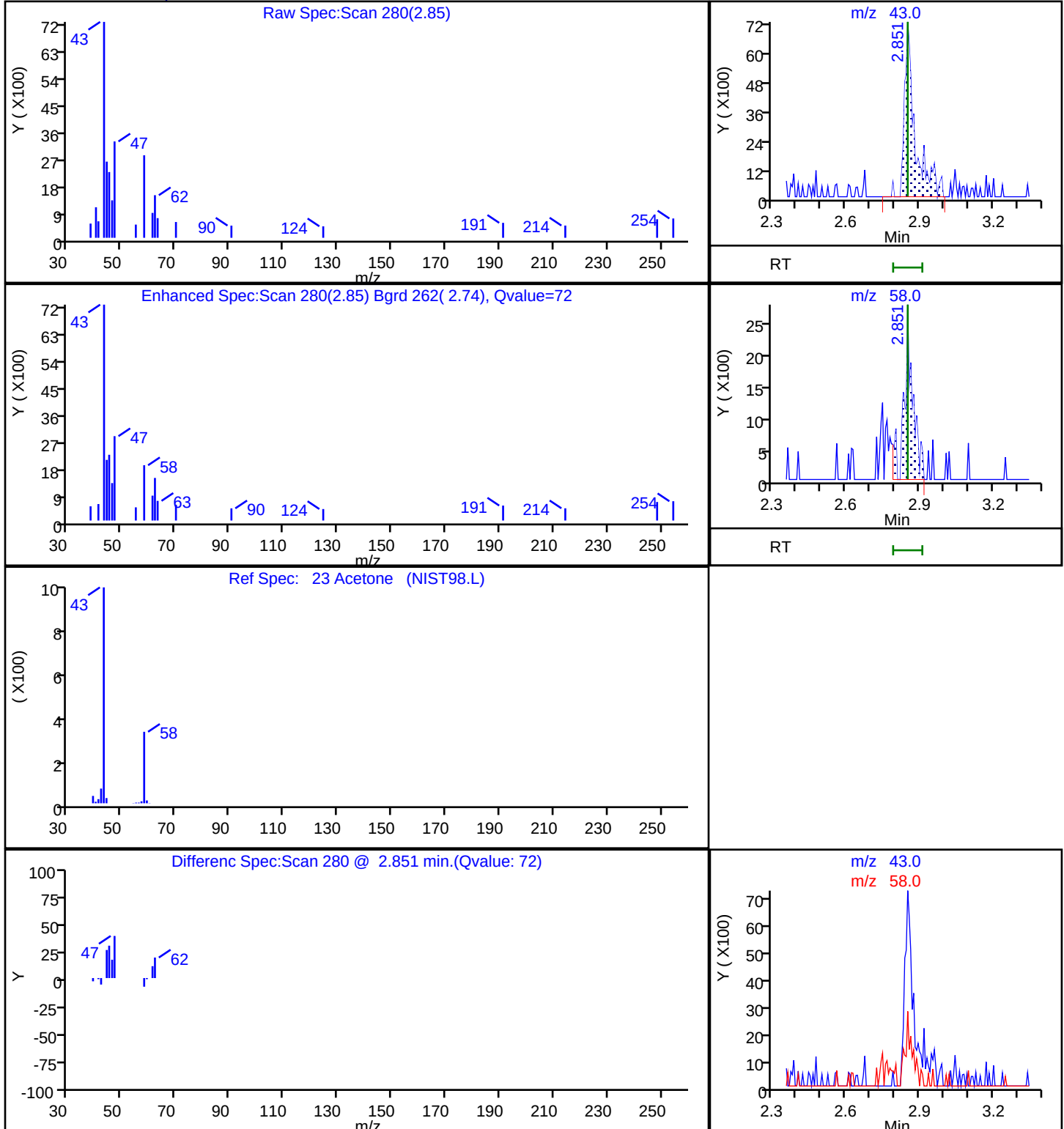
Dil. Factor: 10.0000

Method: S-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\HP5973S\20180722-73273.b\S3765.D

Injection Date: 22-Jul-2018 11:23:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 10

Purge Vol: 5.000 mL

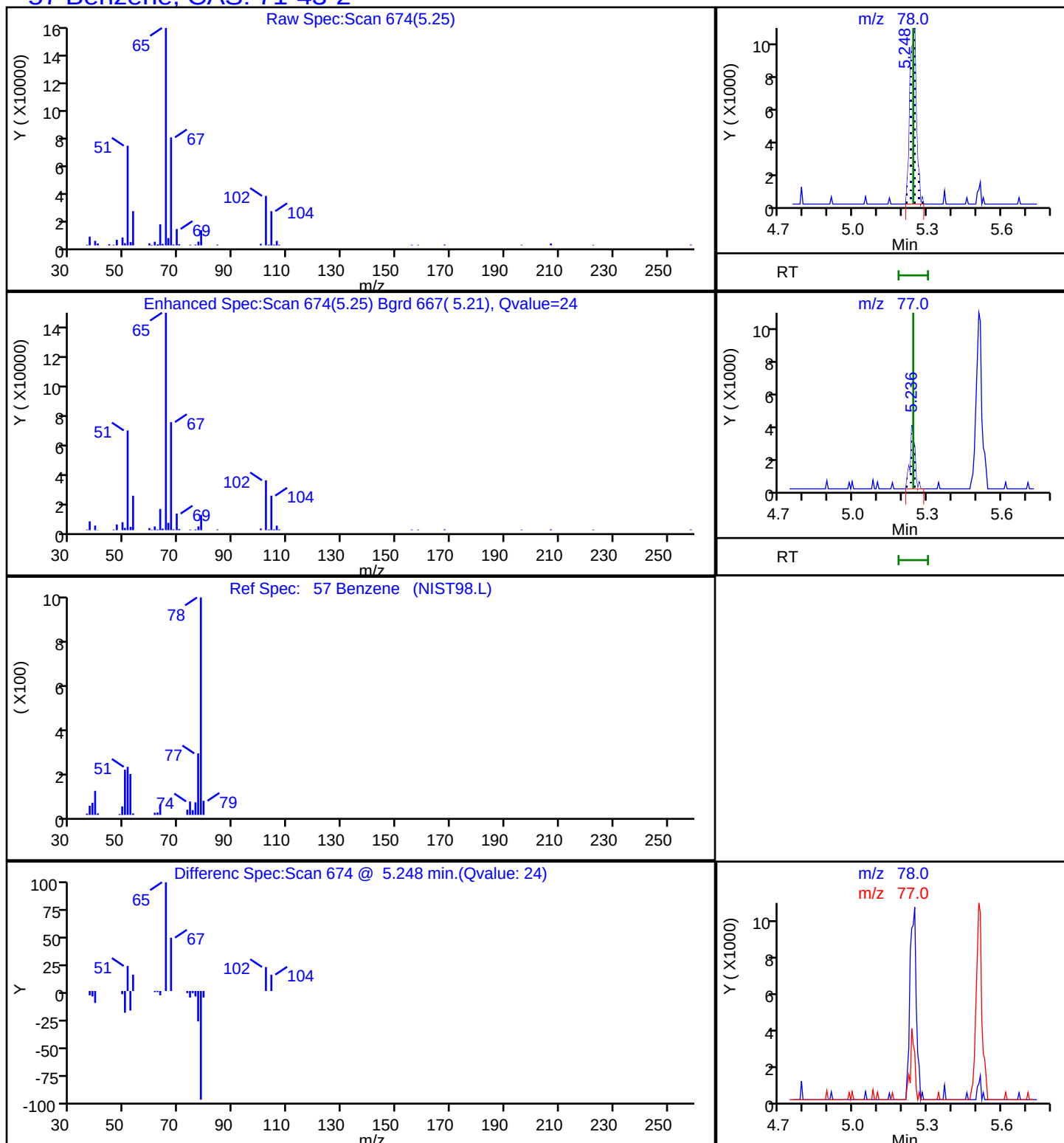
Dil. Factor: 10.0000

Method: S-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\HP5973S\20180722-73273.b\S3765.D

Injection Date: 22-Jul-2018 11:23:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 10

Purge Vol: 5.000 mL

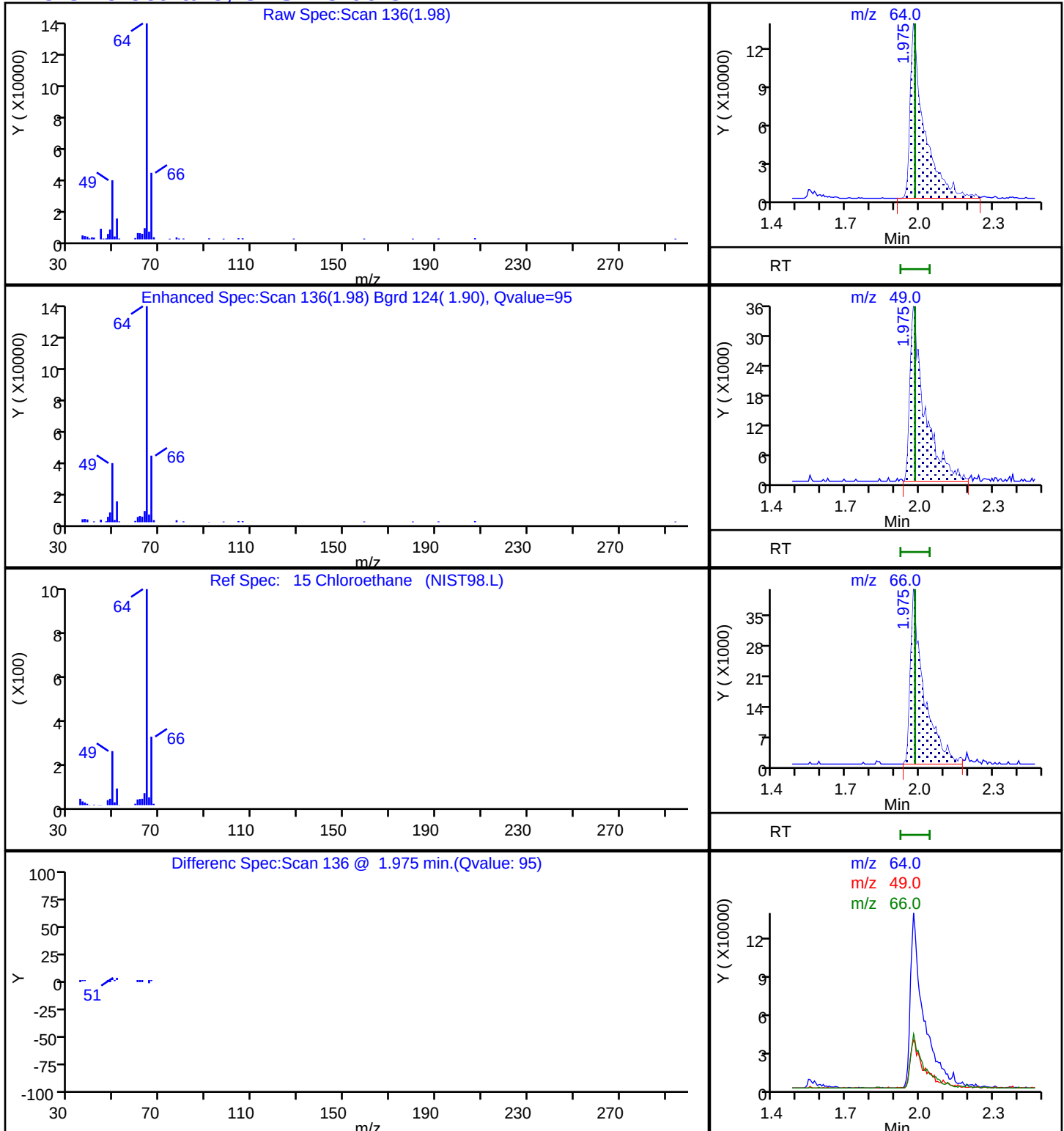
Dil. Factor: 10.0000

Method: S-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\HP5973S\20180722-73273.b\S3765.D

Injection Date: 22-Jul-2018 11:23:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

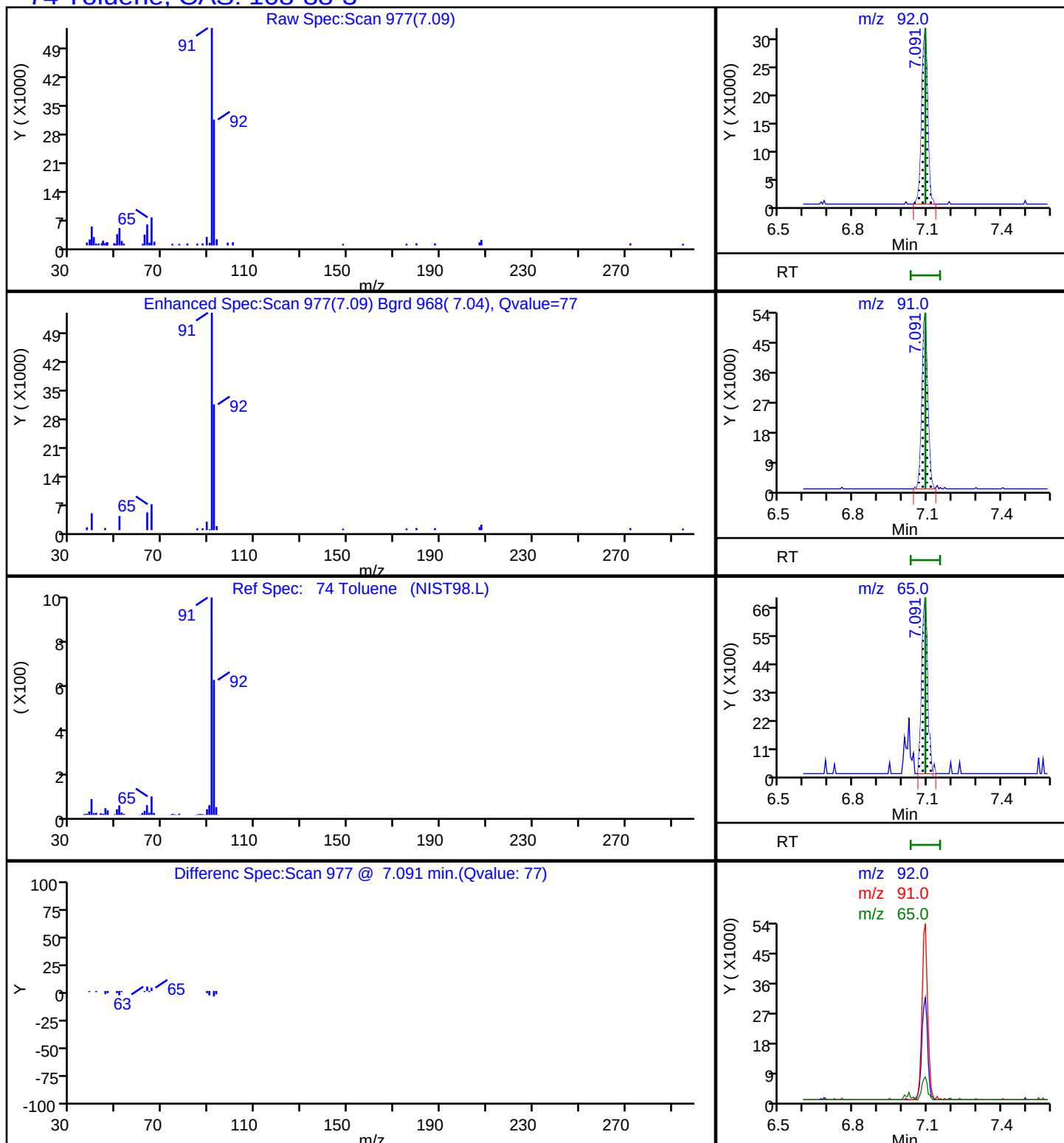
Method: S-8260

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\\HP5973S\\20180722-73273.b\\S3765.D

Injection Date: 22-Jul-2018 11:23:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 10

Purge Vol: 5.000 mL

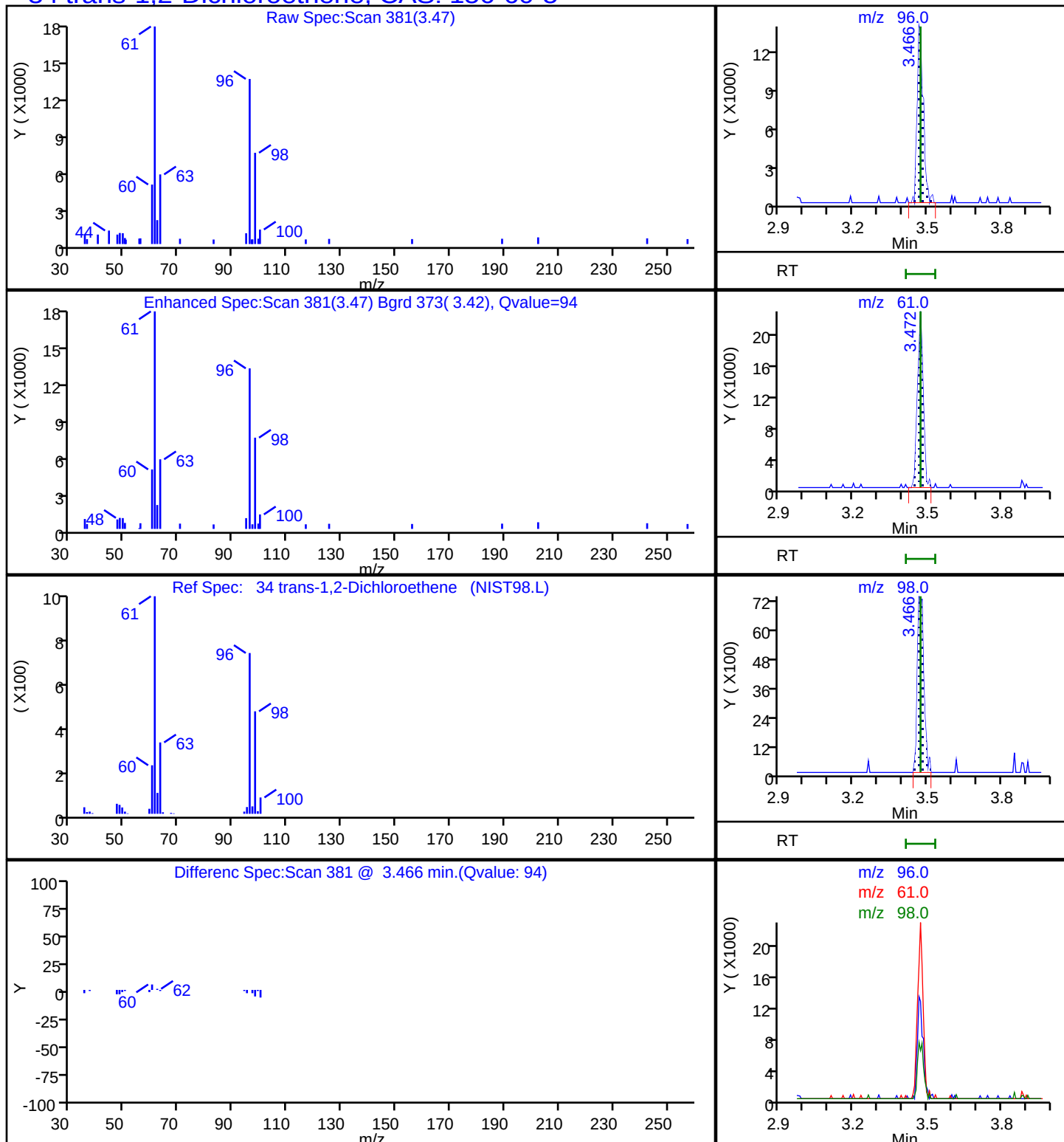
Dil. Factor: 10.0000

Method: S-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\HP5973S\20180722-73273.b\S3765.D

Injection Date: 22-Jul-2018 11:23:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: AM

ALS Bottle#: 1

Worklist Smp#: 10

Purge Vol: 5.000 mL

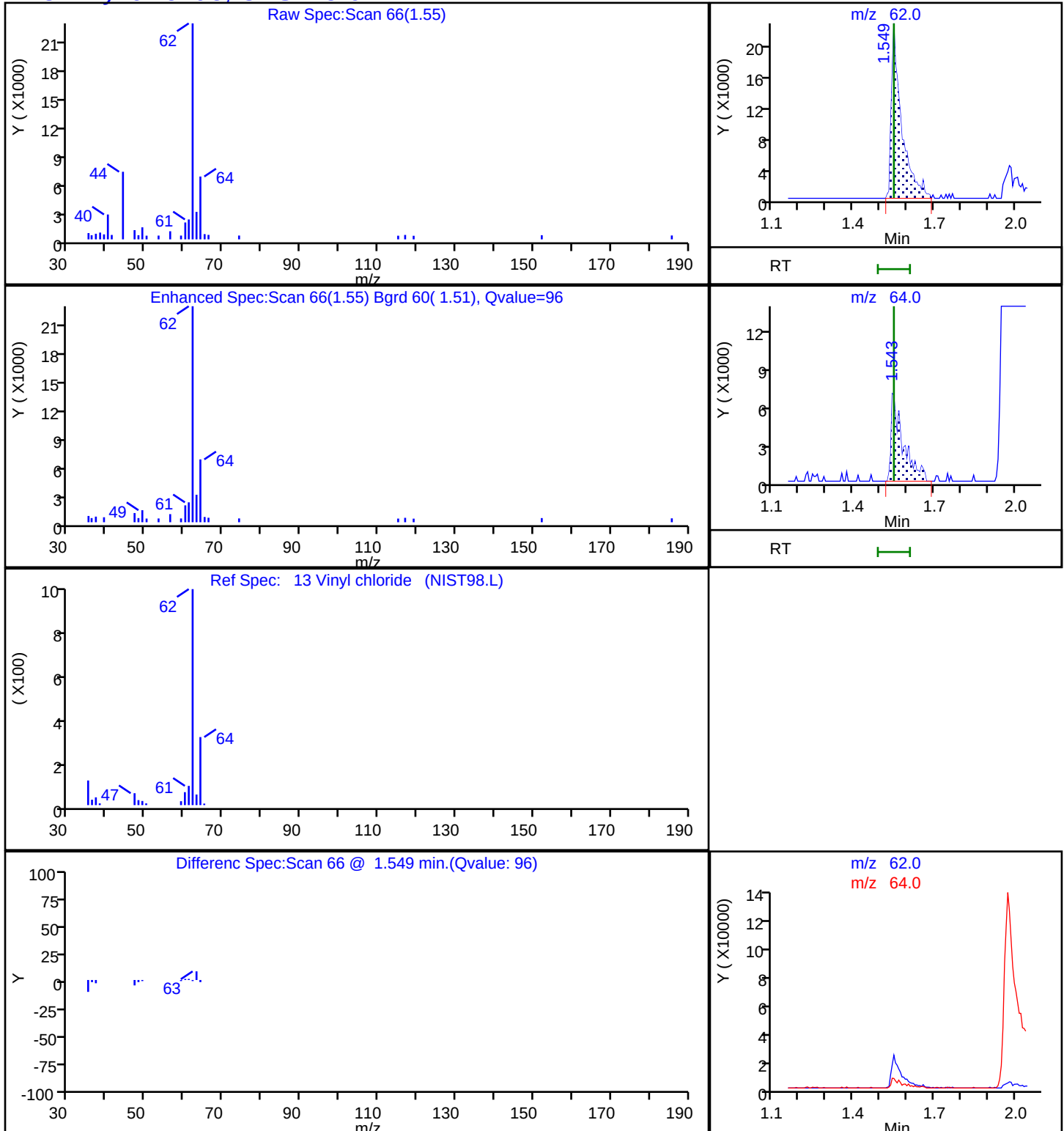
Dil. Factor: 10.0000

Method: S-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\HP5973S\20180722-73273.b\S3765.D

Injection Date: 22-Jul-2018 11:23:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: AM

ALS Bottle#: 1 Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

Method: S-8260

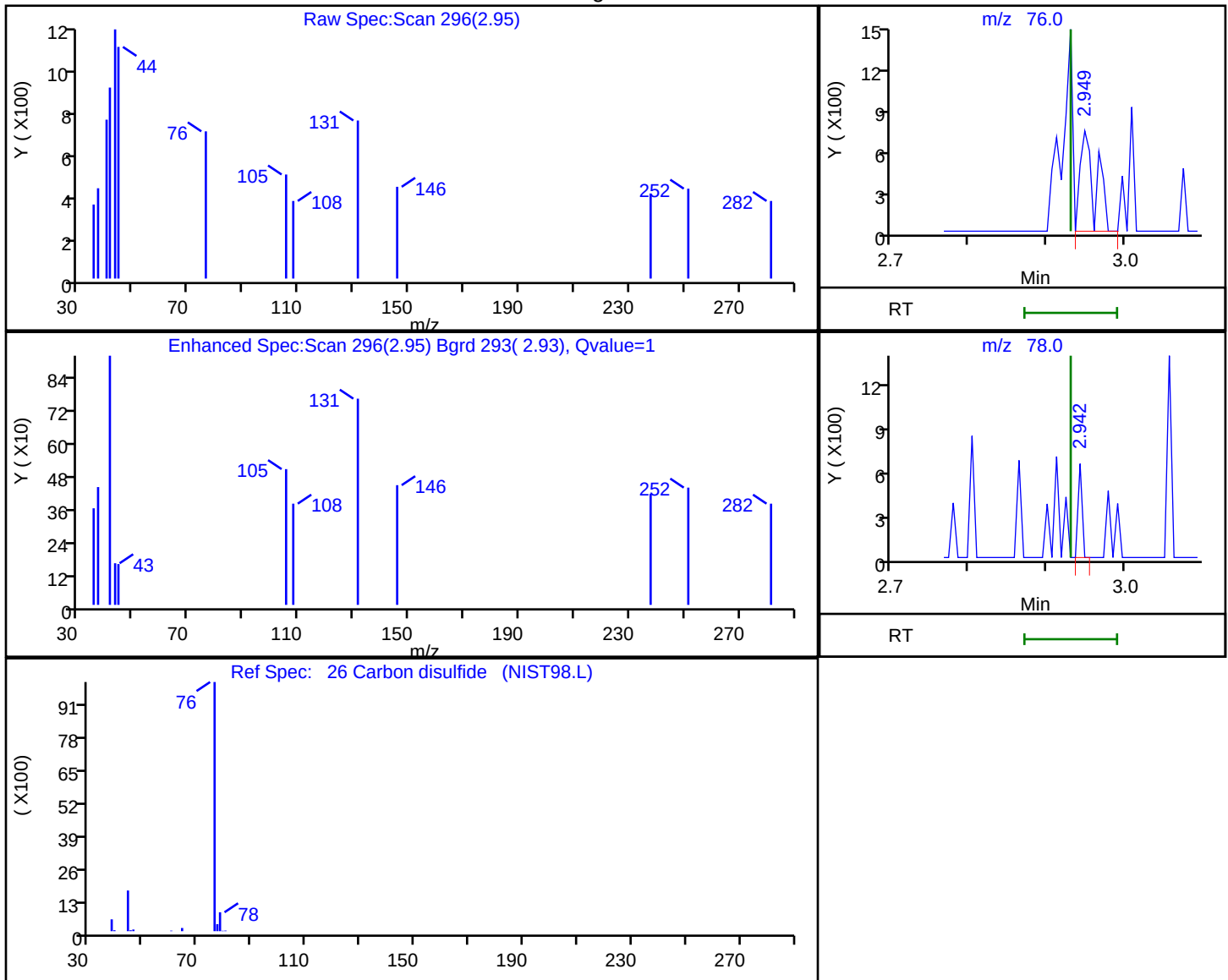
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.95	76.00	971	0.033293
2.94	78.00	223	

Reviewer: velickovics, 23-Jul-2018 13:46:20

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

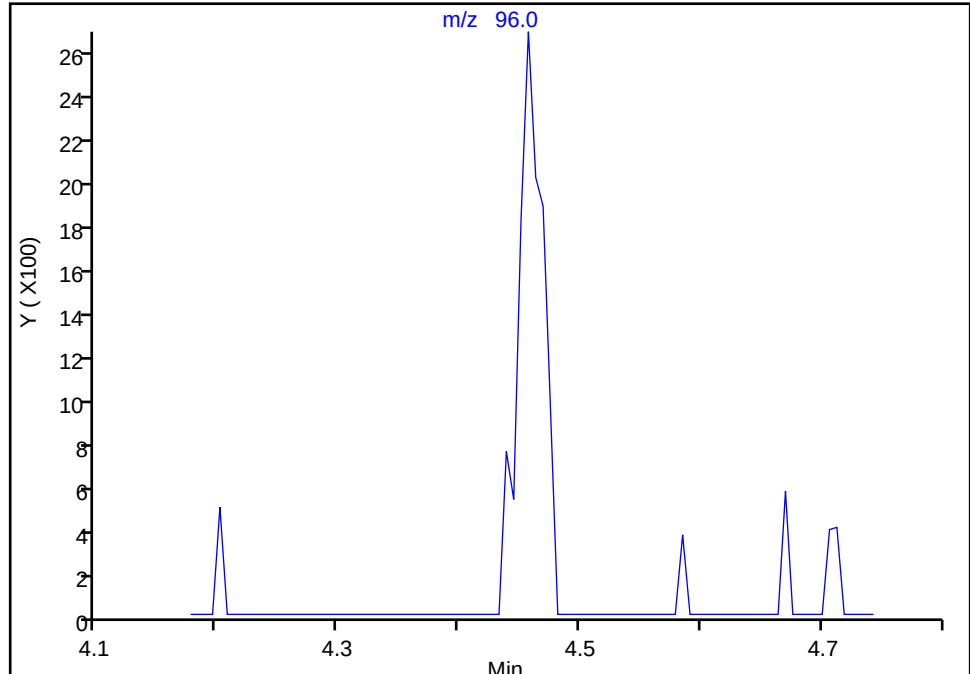
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3765.D
Injection Date: 22-Jul-2018 11:23:30 Instrument ID: HP5973S
Lims ID: 480-138931-B-9 Lab Sample ID: 480-138931-9
Client ID: Duplicate
Operator ID: AM ALS Bottle#: 1 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: S-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

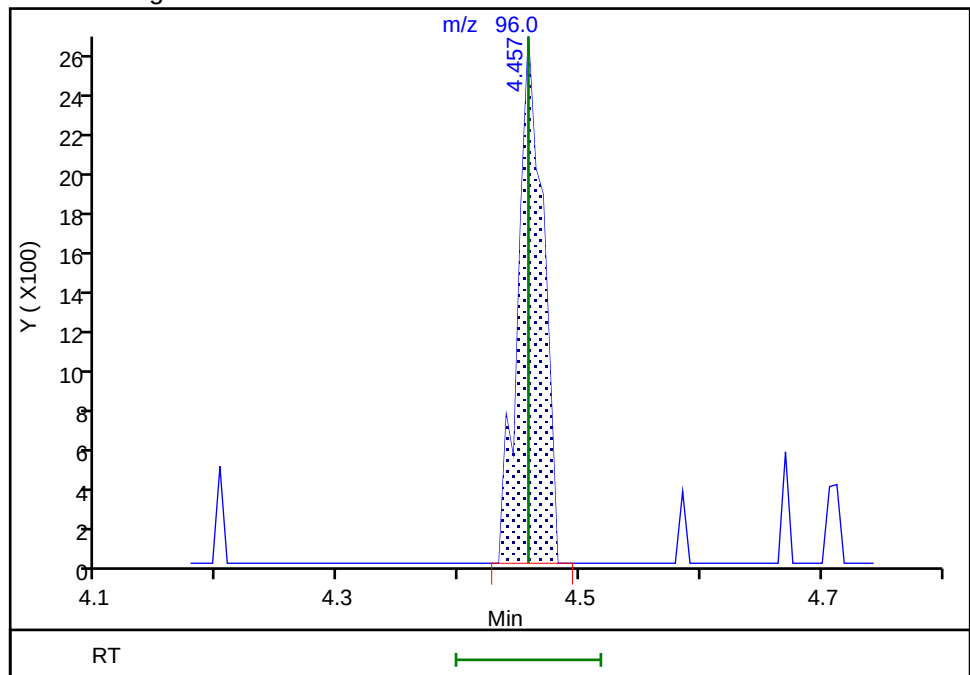
Not Detected
Expected RT: 4.46

Processing Integration Results



RT: 4.46
Area: 3833
Amount: 0.303885
Amount Units: ug/L

Manual Integration Results



Reviewer: velickovics, 23-Jul-2018 13:48:42
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3765.D

Injection Date: 22-Jul-2018 11:23:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-9

Lab Sample ID: 480-138931-9

Client ID: Duplicate

Operator ID: AM

ALS Bottle#: 1 Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

Method: S-8260

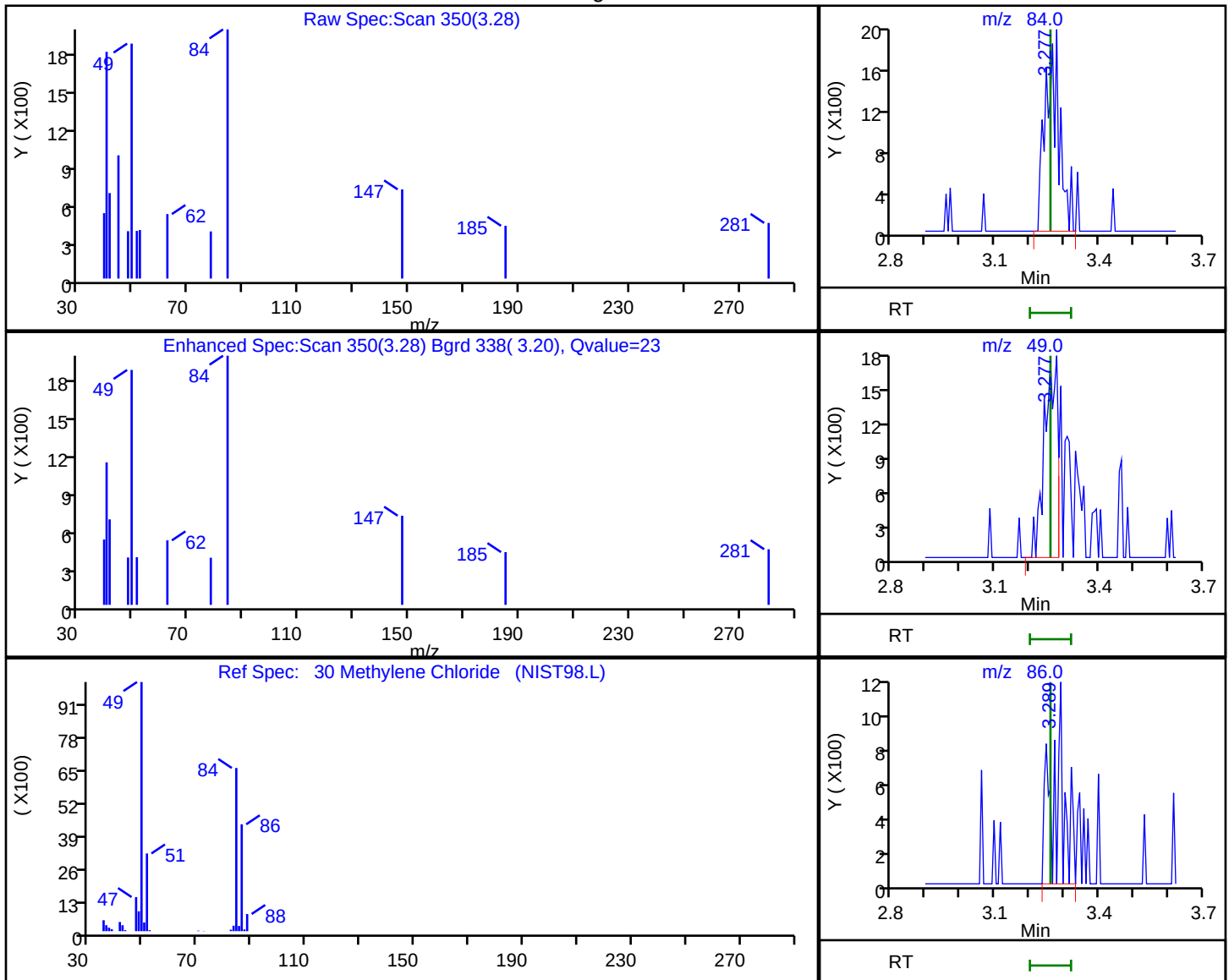
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
3.28	84.00	5168	-0.262748
3.28	49.00	4722	
3.29	86.00	2567	

Reviewer: velickovics, 23-Jul-2018 13:48:18

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

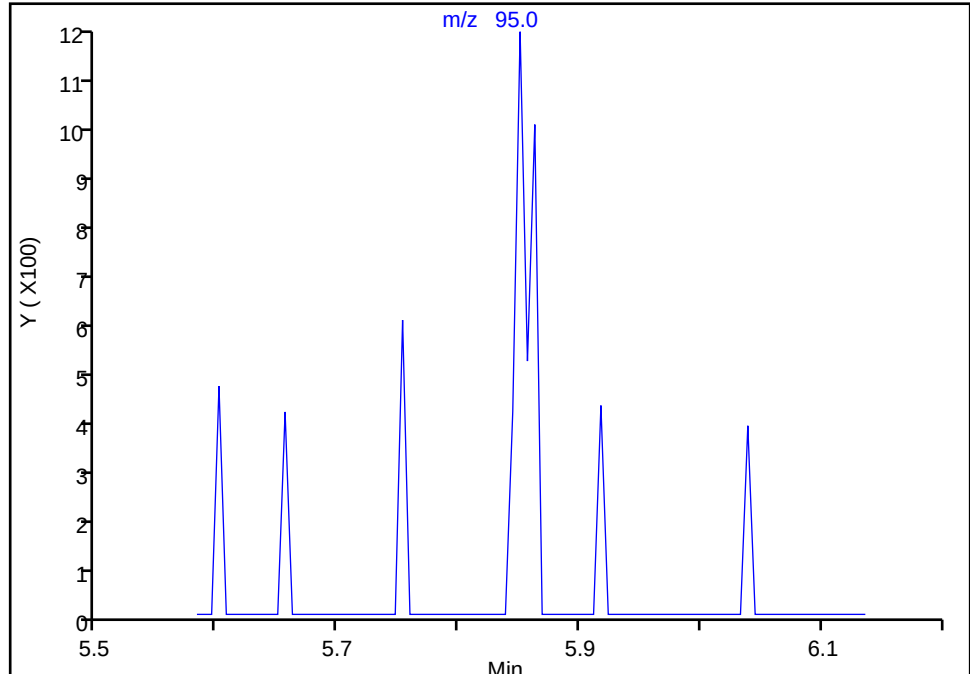
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3765.D
Injection Date: 22-Jul-2018 11:23:30 Instrument ID: HP5973S
Lims ID: 480-138931-B-9 Lab Sample ID: 480-138931-9
Client ID: Duplicate
Operator ID: AM ALS Bottle#: 1 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

62 Trichloroethene, CAS: 79-01-6

Signal: 1

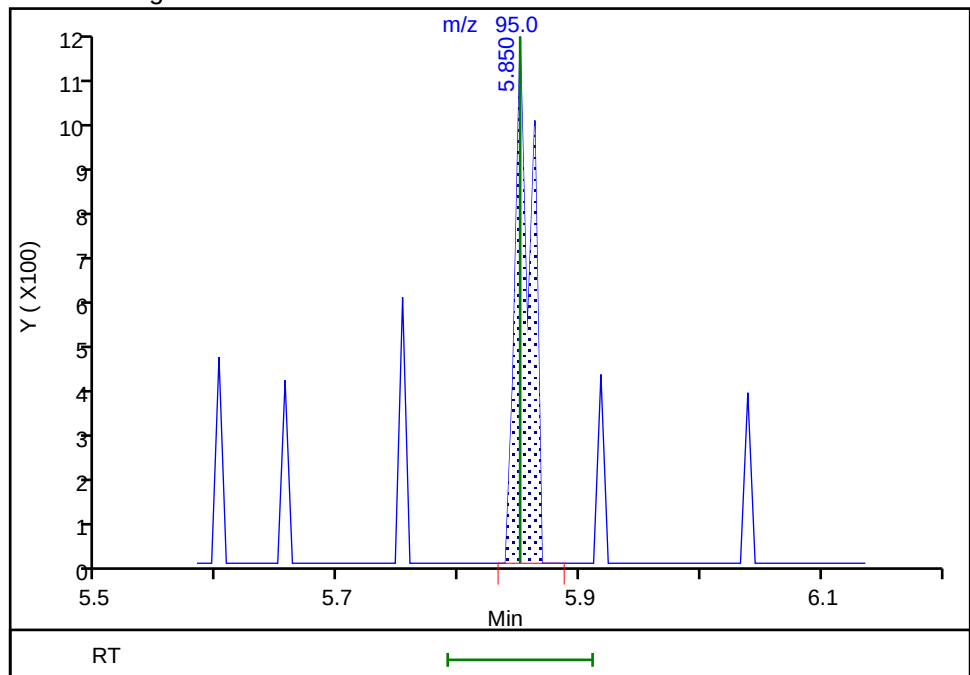
Not Detected
Expected RT: 5.85

Processing Integration Results



Manual Integration Results

RT: 5.85
Area: 1130
Amount: 0.098279
Amount Units: ug/L



Reviewer: velickovics, 23-Jul-2018 13:49:44
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>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-8R</u>	Lab Sample ID: <u>480-138931-10</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3766.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/13/2018 14:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/22/2018 11:46</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>425707</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND	F2	10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	F2 F1	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	F2	10	2.3
75-34-3	1,1-Dichloroethane	9.8	J F2 F1	10	3.8
75-35-4	1,1-Dichloroethene	ND	F2	10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND	F2	10	3.9
106-93-4	1,2-Dibromoethane	ND	F2 F1	10	7.3
95-50-1	1,2-Dichlorobenzene	ND	F2 F1	10	7.9
107-06-2	1,2-Dichloroethane	ND	F2 F1	10	2.1
78-87-5	1,2-Dichloropropane	ND	F2	10	7.2
541-73-1	1,3-Dichlorobenzene	ND	F2	10	7.8
106-46-7	1,4-Dichlorobenzene	ND	F2 F1	10	8.4
78-93-3	2-Butanone (MEK)	24	J F2	100	13
591-78-6	2-Hexanone	ND	F2	50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	34	J F2	100	30
71-43-2	Benzene	ND	F2	10	4.1
75-27-4	Bromodichloromethane	ND	F2 F1	10	3.9
75-25-2	Bromoform	ND	F2	10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	ND	F2	10	1.9
56-23-5	Carbon tetrachloride	ND	F2	10	2.7
108-90-7	Chlorobenzene	ND	F1	10	7.5
75-00-3	Chloroethane	47		10	3.2
67-66-3	Chloroform	ND	F2	10	3.4
74-87-3	Chloromethane	ND	F2	10	3.5
156-59-2	cis-1,2-Dichloroethene	30	F2	10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND	F2	10	3.6
110-82-7	Cyclohexane	ND		10	1.8
124-48-1	Dibromochloromethane	ND	F2	10	3.2
75-71-8	Dichlorodifluoromethane	ND	F2	10	6.8
100-41-4	Ethylbenzene	ND	F2	10	7.4
98-82-8	Isopropylbenzene	ND	F2	10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: MW-8R Lab Sample ID: 480-138931-10

Matrix: Water Lab File ID: S3766.D

Analysis Method: 8260C Date Collected: 07/13/2018 14:15

Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 11:46

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.: 425707 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND	F2 F1	25	13
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND	F2	10	1.6
75-09-2	Methylene Chloride	ND	F2 F1	10	4.4
100-42-5	Styrene	ND	F2	10	7.3
127-18-4	Tetrachloroethene	ND		10	3.6
108-88-3	Toluene	33	F2 F1	10	5.1
156-60-5	trans-1,2-Dichloroethene	ND	F2	10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND	F2 F1	10	3.7
79-01-6	Trichloroethene	ND	F2	10	4.6
75-69-4	Trichlorofluoromethane	ND	F2	10	8.8
75-01-4	Vinyl chloride	190		10	9.0
1330-20-7	Xylenes, Total	ND	F2	20	6.6

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3766.D
 Lims ID: 480-138931-B-10
 Client ID: MW-8R
 Sample Type: Client
 Inject. Date: 22-Jul-2018 11:46:30 ALS Bottle#: 2 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-138931-B-10
 Misc. Info.: 480-0073273-011
 Operator ID: AM Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Jul-2018 14:00:37 Calib Date: 20-Jul-2018 00:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3725.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX0307

First Level Reviewer: velickovics

Date: 23-Jul-2018 14:00:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.516	5.510	0.006	99	214710	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	450772	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.894	-0.006	96	386175	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.937	0.000	62	253788	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	92	156833	24.2	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.030	0.000	94	973696	24.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.769	0.000	88	295092	24.2	
10 Dichlorodifluoromethane	85		1.288				ND	
12 Chloromethane	50		1.464				ND	U
13 Vinyl chloride	62	1.549	1.549	0.000	78	270255	18.7	
14 Bromomethane	94		1.884				ND	
15 Chloroethane	64	1.981	1.981	0.000	83	37721	4.66	
17 Trichlorofluoromethane	101		2.194				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.693				ND	
22 1,1-Dichloroethene	96		2.723				ND	
23 Acetone	43	2.851	2.851	0.000	81	16101	3.41	Ma
26 Carbon disulfide	76		2.930				ND	MU
27 Methyl acetate	43		3.149				ND	
30 Methylene Chloride	84		3.259				ND	MU
32 Methyl tert-butyl ether	73		3.454				ND	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	25	654	0.0615	Ma
39 1,1-Dichloroethane	63	3.904	3.898	0.006	47	21135	0.9793	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	80	38041	3.04	
43 2-Butanone (MEK)	43	4.500	4.500	0.006	84	18257	2.41	Ma
50 Chloroform	83		4.774				ND	
52 Cyclohexane	56		4.883				ND	
51 1,1,1-Trichloroethane	97		4.883				ND	
55 Carbon tetrachloride	117		5.017				ND	
57 Benzene	78		5.242				ND	
58 1,2-Dichloroethane	62		5.315				ND	
62 Trichloroethene	95	5.850	5.850	0.000	8	2257	0.1981	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.966				ND	
65 1,2-Dichloropropane	63		6.094				ND	
68 Dichlorobromomethane	83		6.386				ND	
72 cis-1,3-Dichloropropene	75		6.806				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.952				ND	
74 Toluene	92	7.091	7.097	0.000	82	98457	3.35	
77 trans-1,3-Dichloropropene	75		7.377				ND	
79 1,1,2-Trichloroethane	83		7.566				ND	
81 Tetrachloroethene	166		7.621				ND	
80 2-Hexanone	43		7.791				ND	
83 Chlorodibromomethane	129		7.968				ND	
84 Ethylene Dibromide	107		8.071				ND	
87 Chlorobenzene	112		8.539				ND	
88 Ethylbenzene	91		8.631				ND	
90 m-Xylene & p-Xylene	106		8.752				ND	MUa
91 o-Xylene	106		9.178				ND	
92 Styrene	104		9.209				ND	
95 Bromoform	173		9.470				ND	
94 Isopropylbenzene	105		9.561				ND	
97 1,1,2,2-Tetrachloroethane	83		9.969				ND	
111 1,3-Dichlorobenzene	146		10.827				ND	
113 1,4-Dichlorobenzene	146		10.912				ND	
116 1,2-Dichlorobenzene	146		11.265				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995				ND	
119 1,2,4-Trichlorobenzene	180		12.664				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180722-73273.b\\S3766.D

Injection Date: 22-Jul-2018 11:46:30

Instrument ID: HP5973S

Operator ID: AM

Lims ID: 480-138931-B-10

Lab Sample ID: 480-138931-10

Worklist Smp#: 11

Client ID: MW-8R

Purge Vol: 5.000 mL

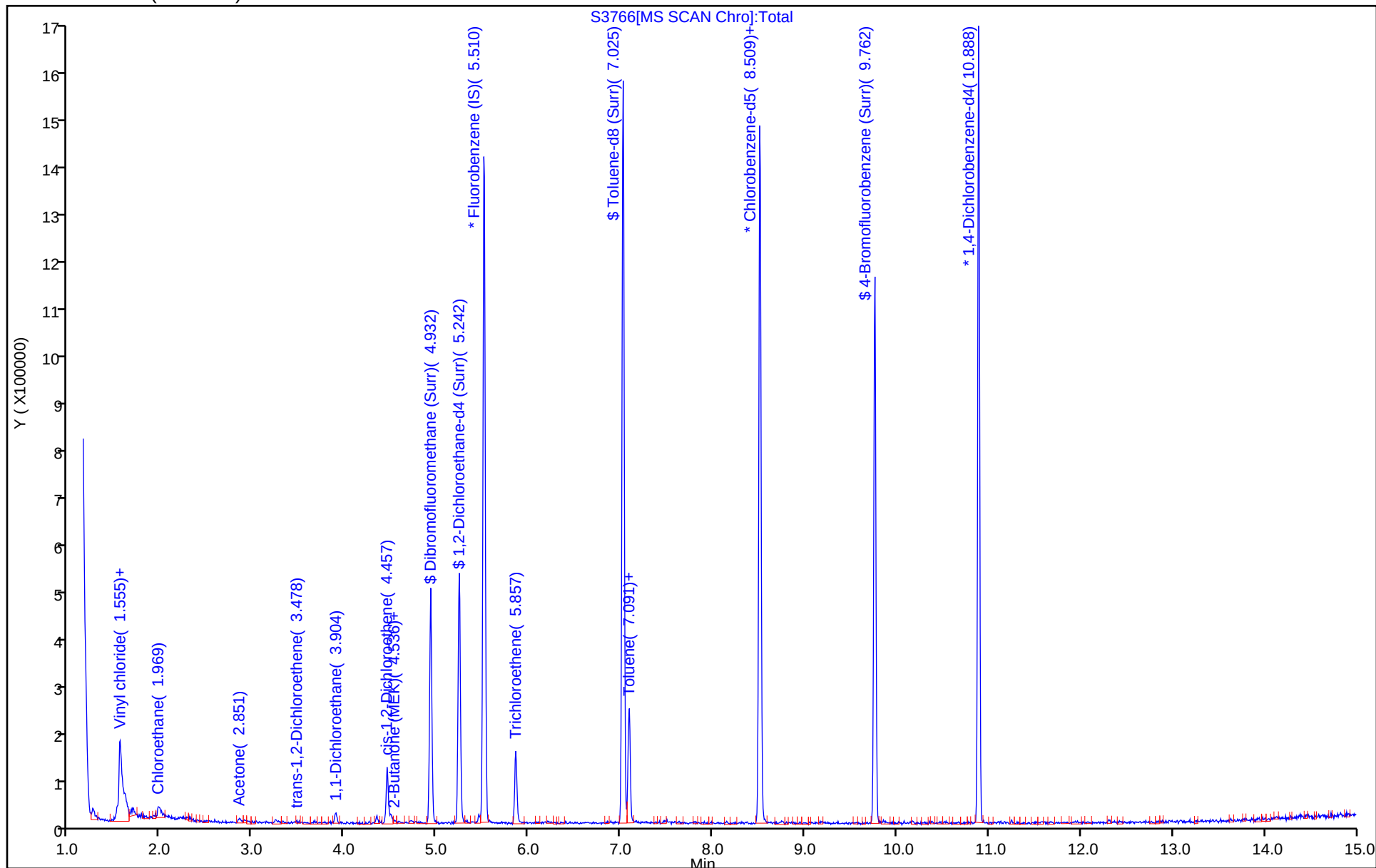
Dil. Factor: 10.0000

ALS Bottle#: 2

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3766.D

Injection Date: 22-Jul-2018 11:46:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-10

Lab Sample ID: 480-138931-10

Client ID: MW-8R

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 11

Purge Vol: 5.000 mL

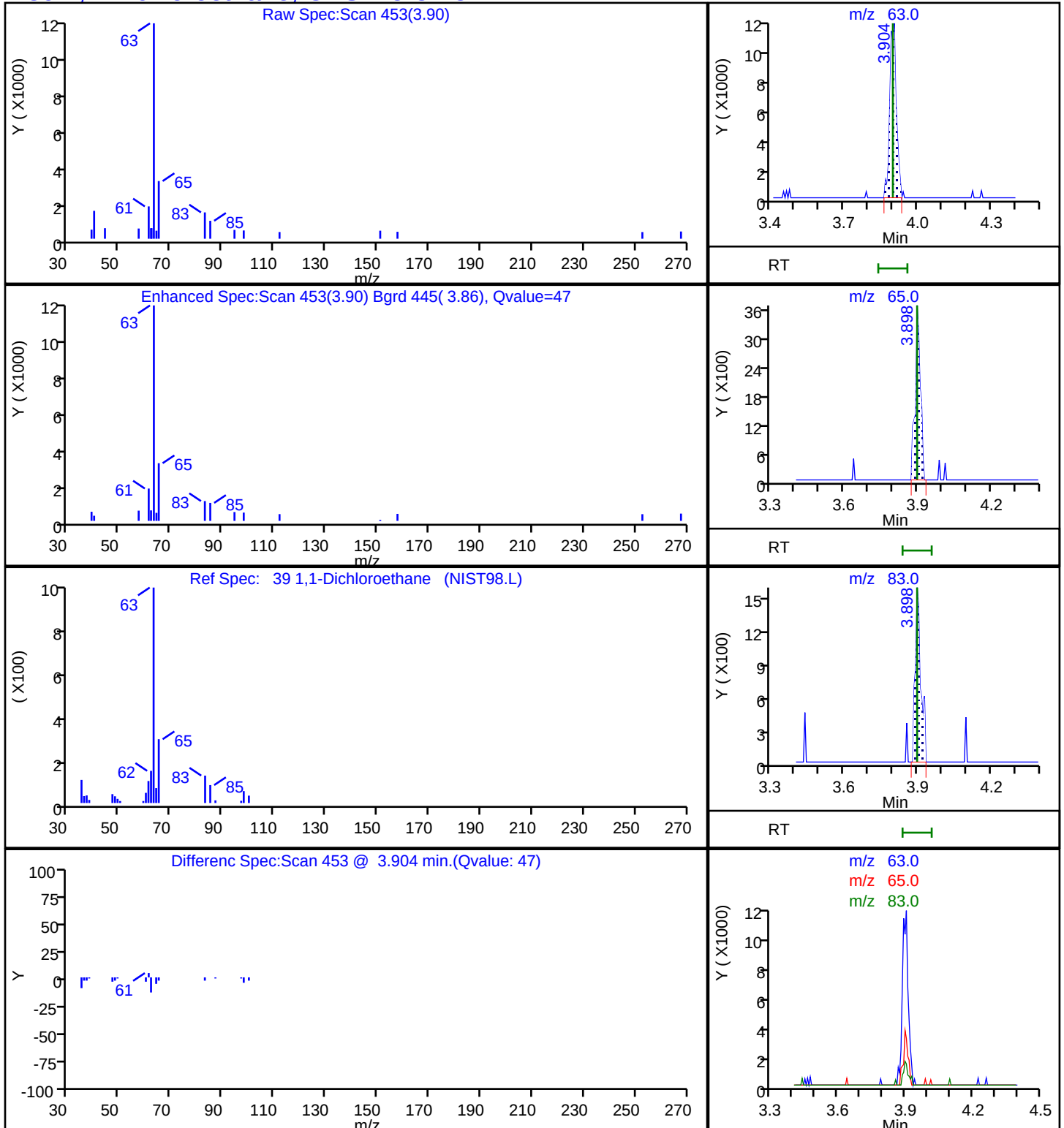
Dil. Factor: 10.0000

Method: S-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\HP5973S\20180722-73273.b\S3766.D

Injection Date: 22-Jul-2018 11:46:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-10

Lab Sample ID: 480-138931-10

Client ID: MW-8R

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 11

Purge Vol: 5.000 mL

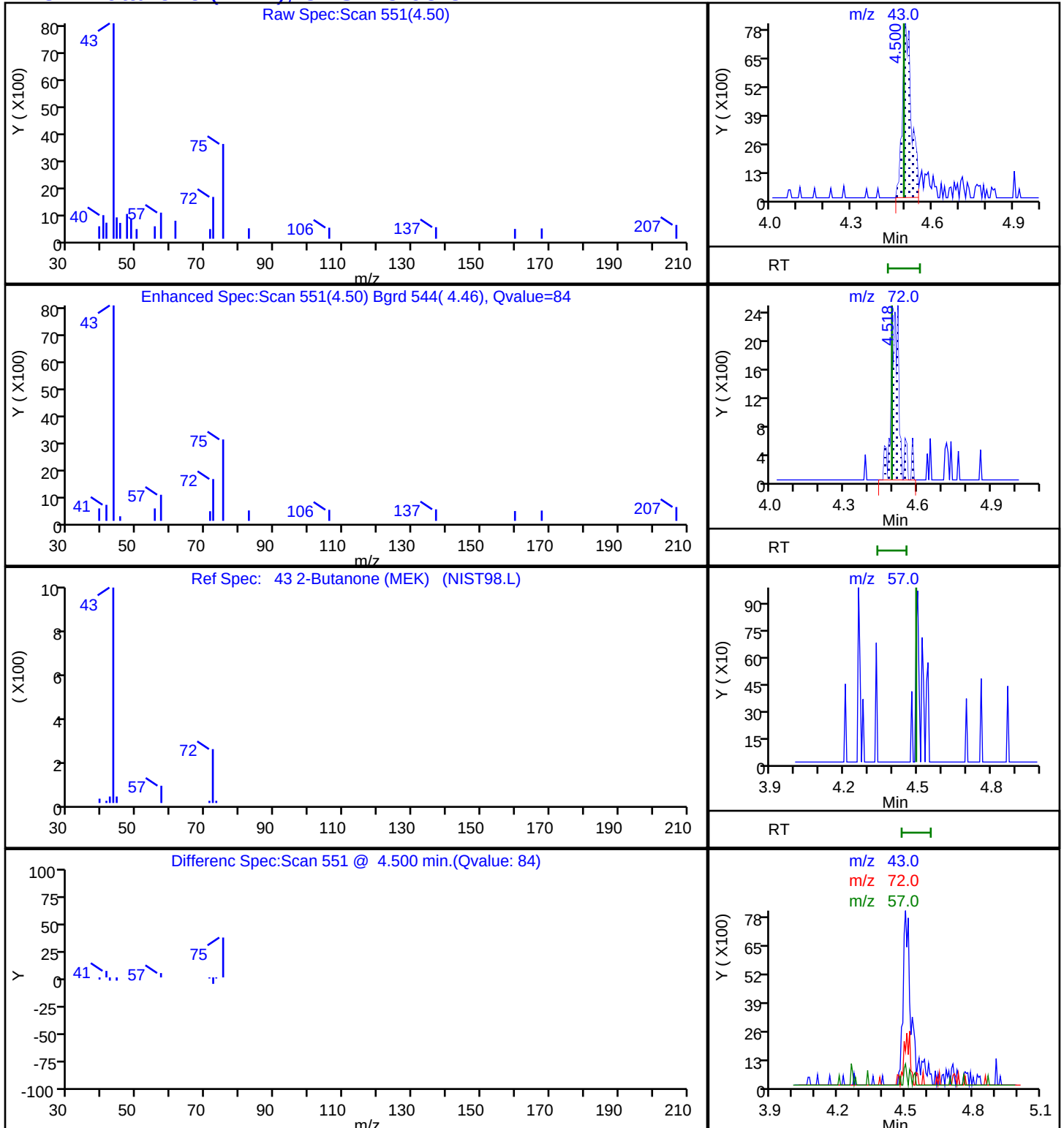
Dil. Factor: 10.0000

Method: S-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\HP5973S\20180722-73273.b\S3766.D

Injection Date: 22-Jul-2018 11:46:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-10

Lab Sample ID: 480-138931-10

Client ID: MW-8R

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 11

Purge Vol: 5.000 mL

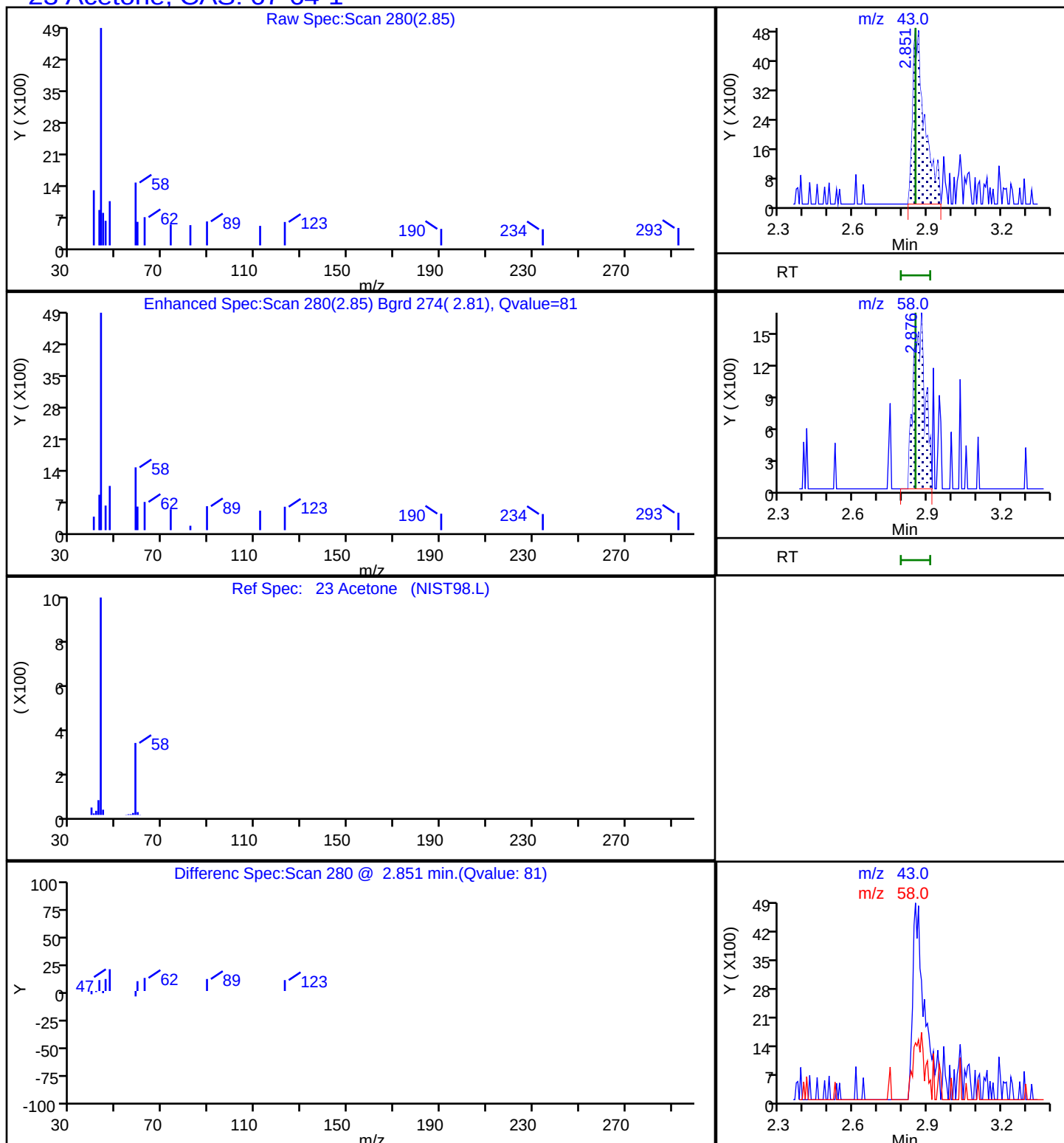
Dil. Factor: 10.0000

Method: S-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\HP5973S\20180722-73273.b\S3766.D

Injection Date: 22-Jul-2018 11:46:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-10

Lab Sample ID: 480-138931-10

Client ID: MW-8R

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 11

Purge Vol: 5.000 mL

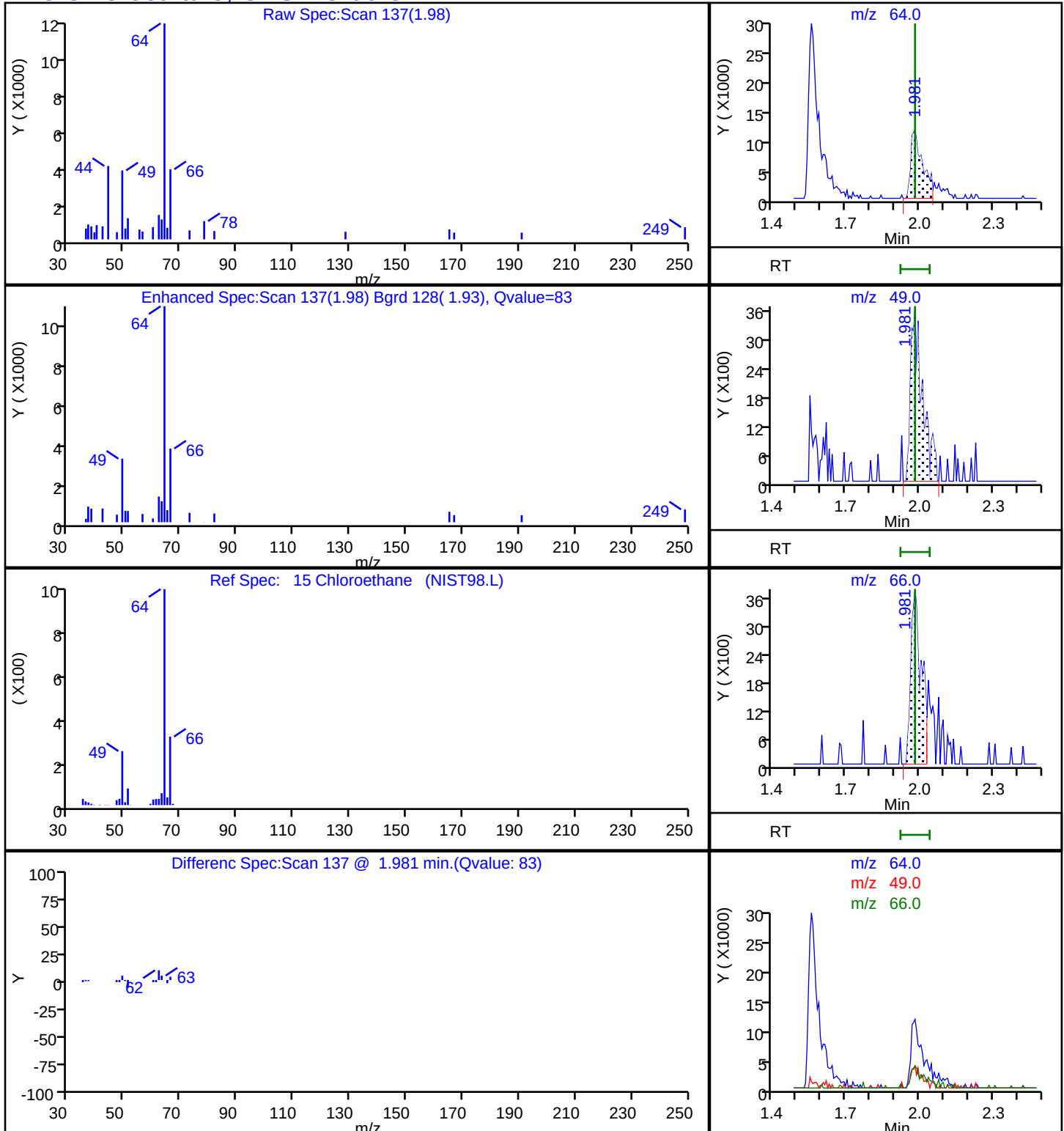
Dil. Factor: 10.0000

Method: S-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\HP5973S\20180722-73273.b\S3766.D

Injection Date: 22-Jul-2018 11:46:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-10

Lab Sample ID: 480-138931-10

Client ID: MW-8R

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 11

Purge Vol: 5.000 mL

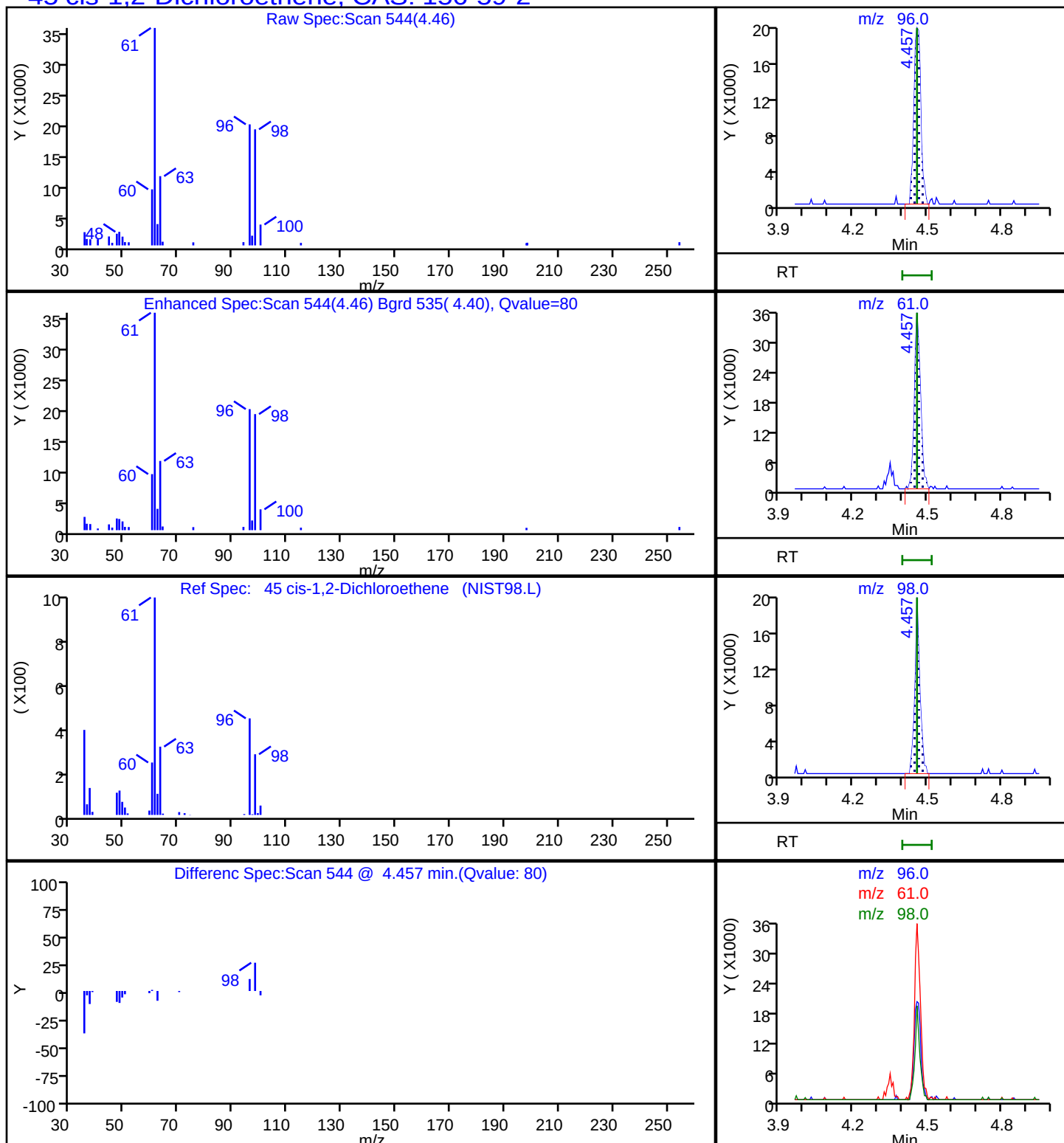
Dil. Factor: 10.0000

Method: S-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\HP5973S\20180722-73273.b\S3766.D

Injection Date: 22-Jul-2018 11:46:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-10

Lab Sample ID: 480-138931-10

Client ID: MW-8R

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 11

Purge Vol: 5.000 mL

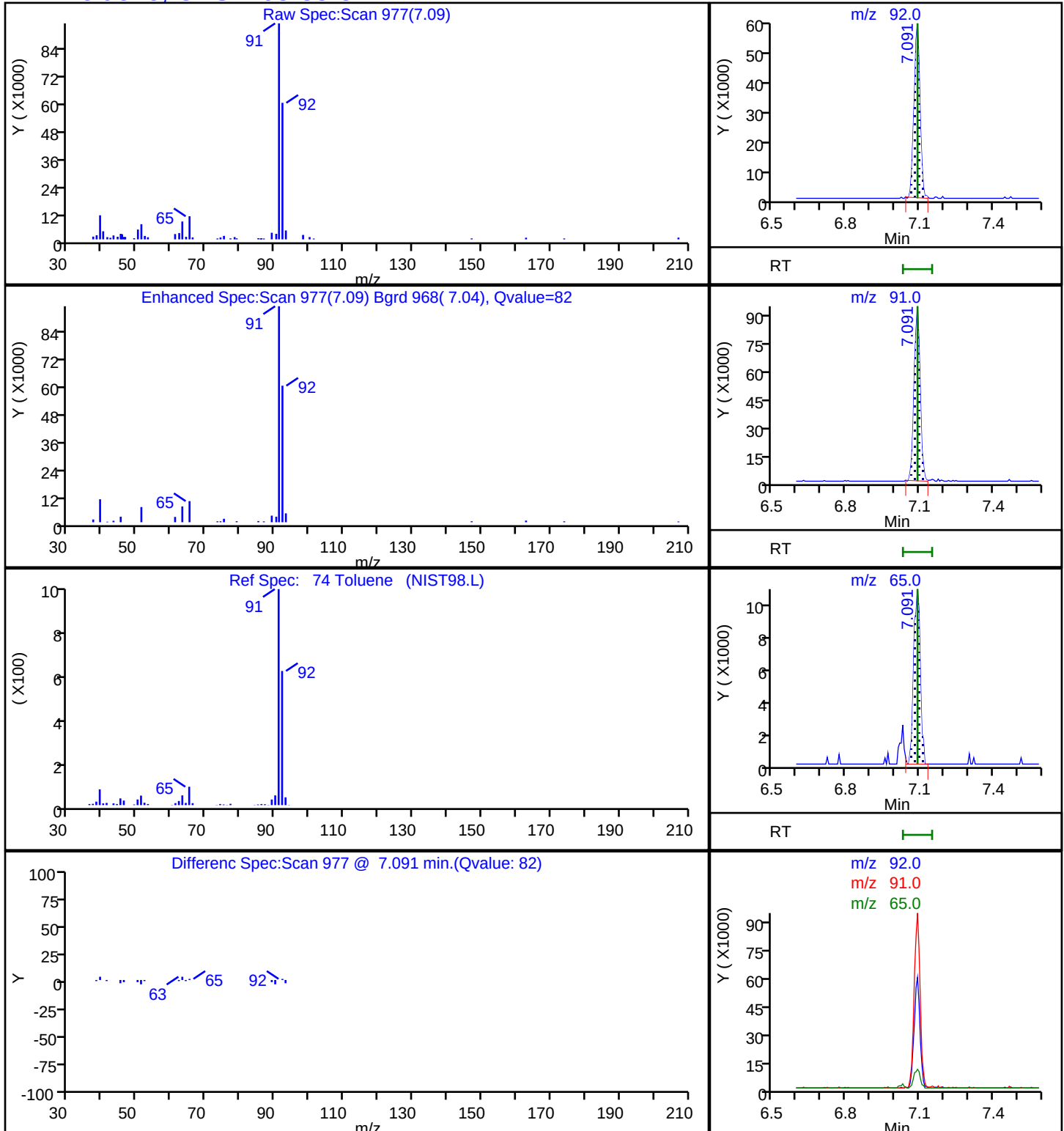
Dil. Factor: 10.0000

Method: S-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\HP5973S\20180722-73273.b\S3766.D

Injection Date: 22-Jul-2018 11:46:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-10

Lab Sample ID: 480-138931-10

Client ID: MW-8R

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 11

Purge Vol: 5.000 mL

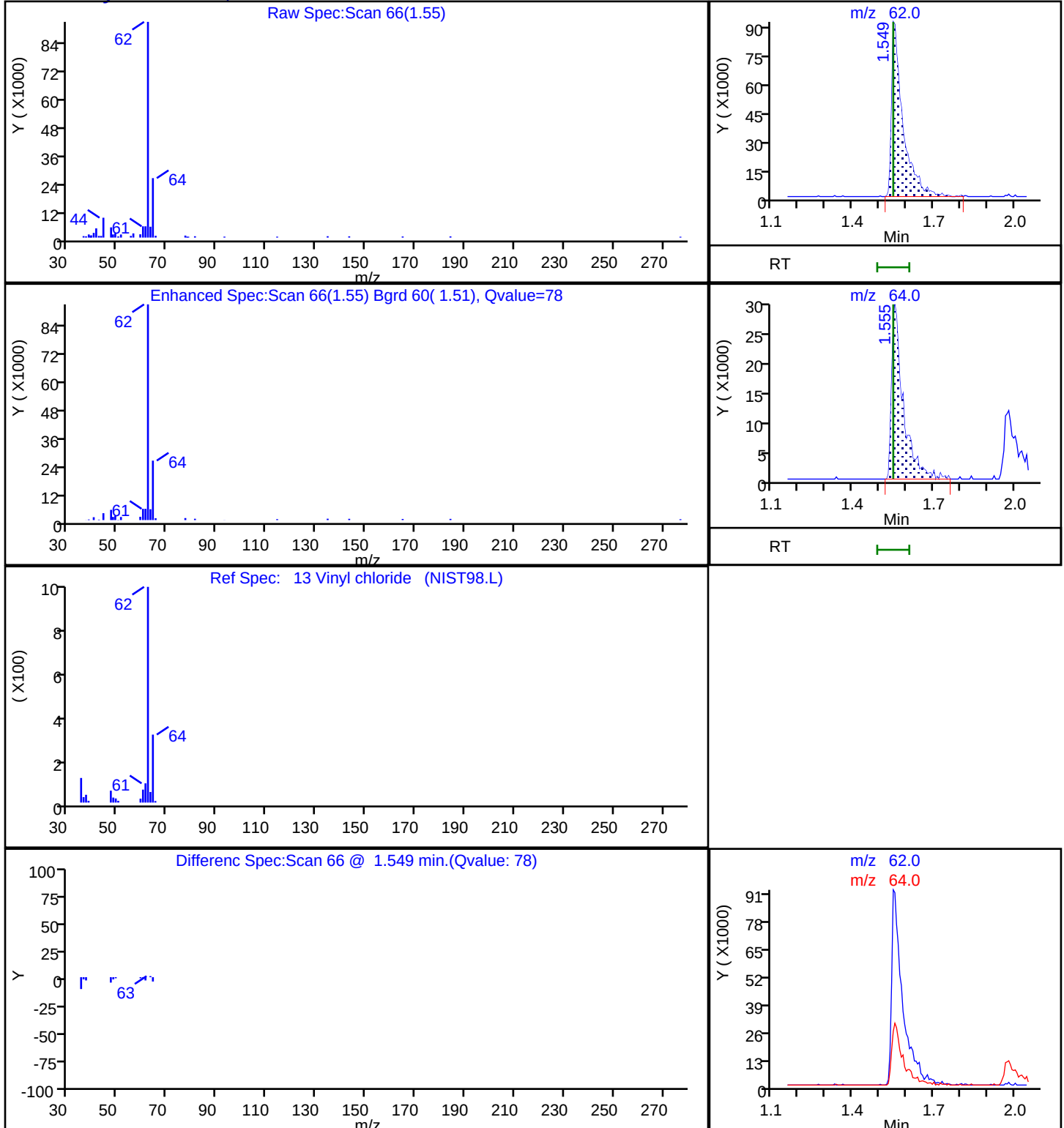
Dil. Factor: 10.0000

Method: S-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\HP5973S\20180722-73273.b\S3766.D

Injection Date: 22-Jul-2018 11:46:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-10

Lab Sample ID: 480-138931-10

Client ID: MW-8R

Operator ID: AM

ALS Bottle#: 2 Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

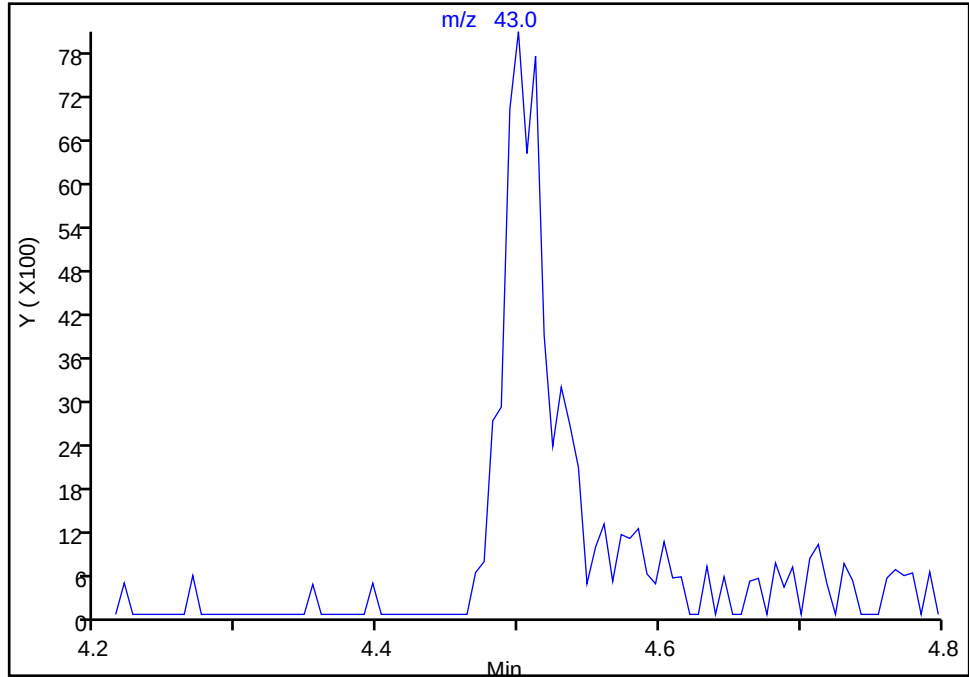
43 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

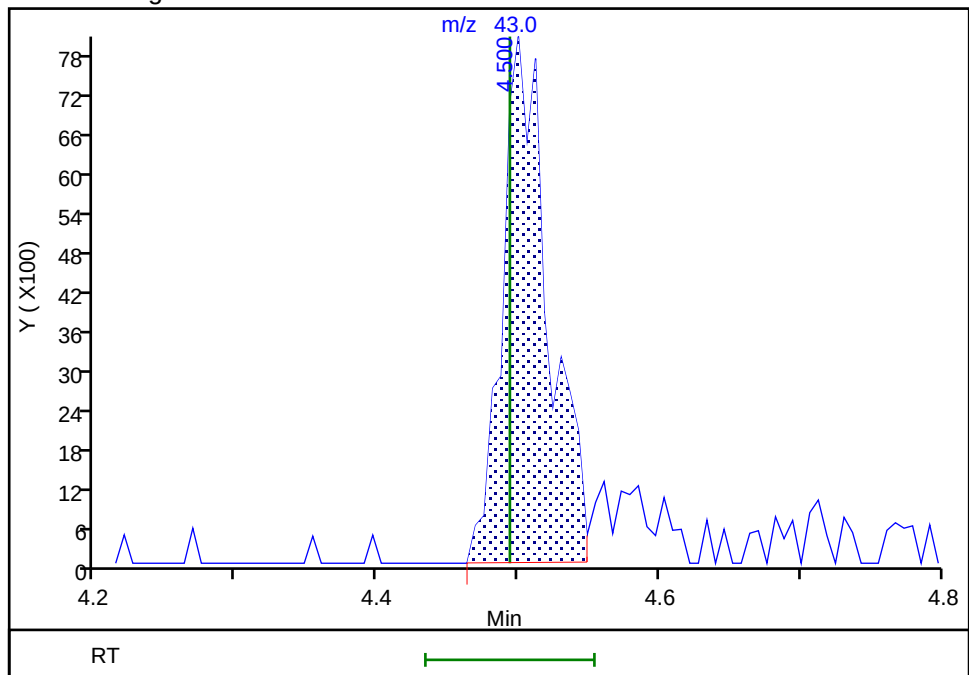
Not Detected

Expected RT: 4.49

Processing Integration Results



Manual Integration Results



RT: 4.50

Area: 18257

Amount: 2.405167

Amount Units: ug/L

Reviewer: velickovics, 23-Jul-2018 13:59:03

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3766.D

Injection Date: 22-Jul-2018 11:46:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-10

Lab Sample ID: 480-138931-10

Client ID: MW-8R

Operator ID: AM

ALS Bottle#: 2 Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

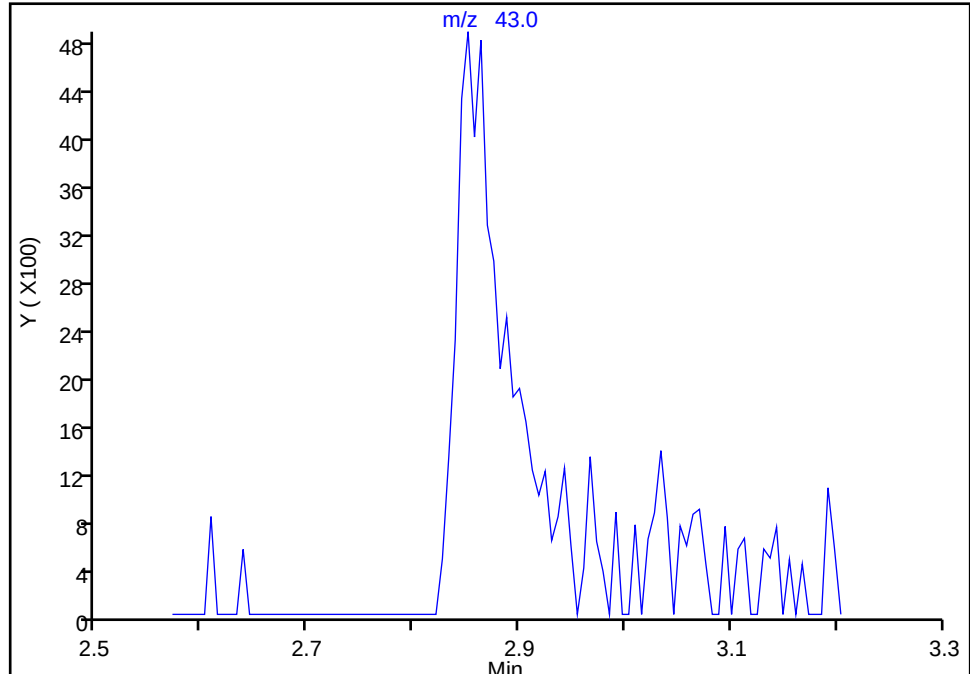
23 Acetone, CAS: 67-64-1

Signal: 1

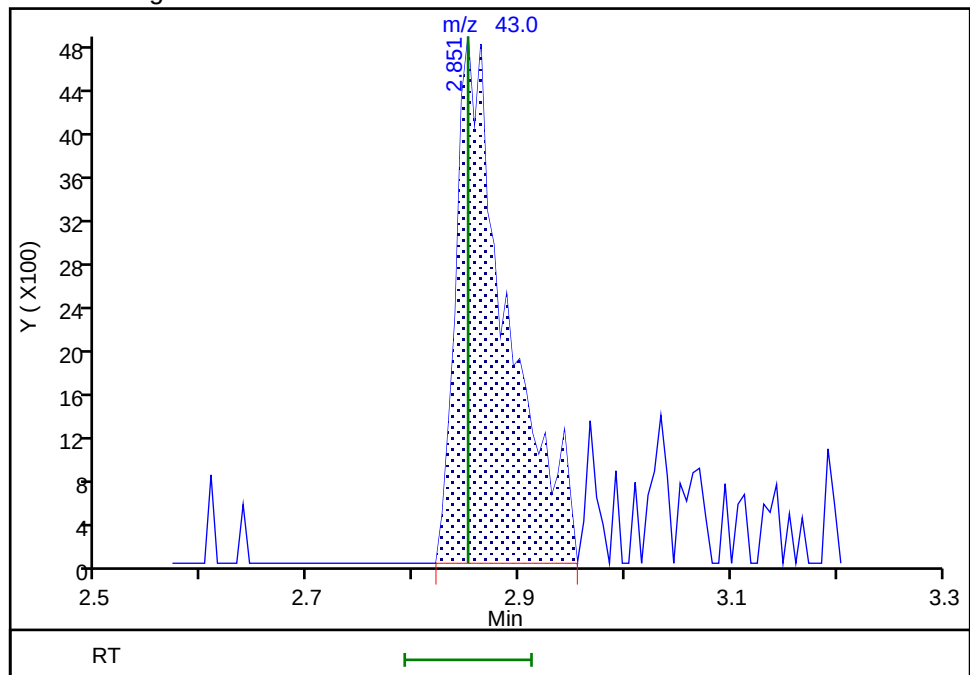
Not Detected

Expected RT: 2.85

Processing Integration Results



Manual Integration Results



Reviewer: velickovics, 23-Jul-2018 13:53:20

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3766.D

Injection Date: 22-Jul-2018 11:46:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-10

Lab Sample ID: 480-138931-10

Client ID: MW-8R

Operator ID: AM

ALS Bottle#: 2 Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

Method: S-8260

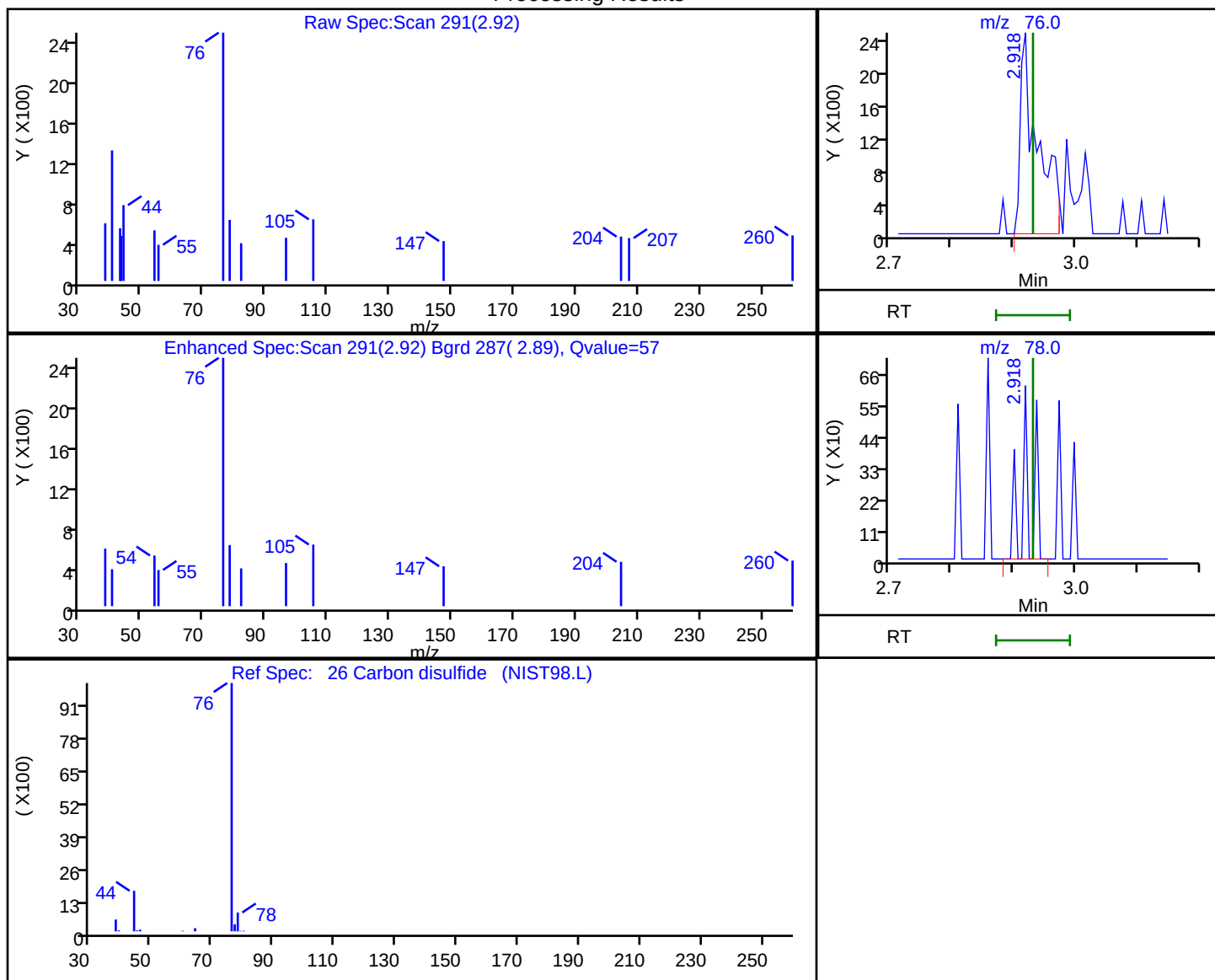
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.92	76.00	4868	0.168410
2.92	78.00	570	

Reviewer: velickovics, 23-Jul-2018 13:56:18

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3766.D

Injection Date: 22-Jul-2018 11:46:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-10

Lab Sample ID: 480-138931-10

Client ID: MW-8R

Operator ID: AM

ALS Bottle#: 2 Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

Method: S-8260

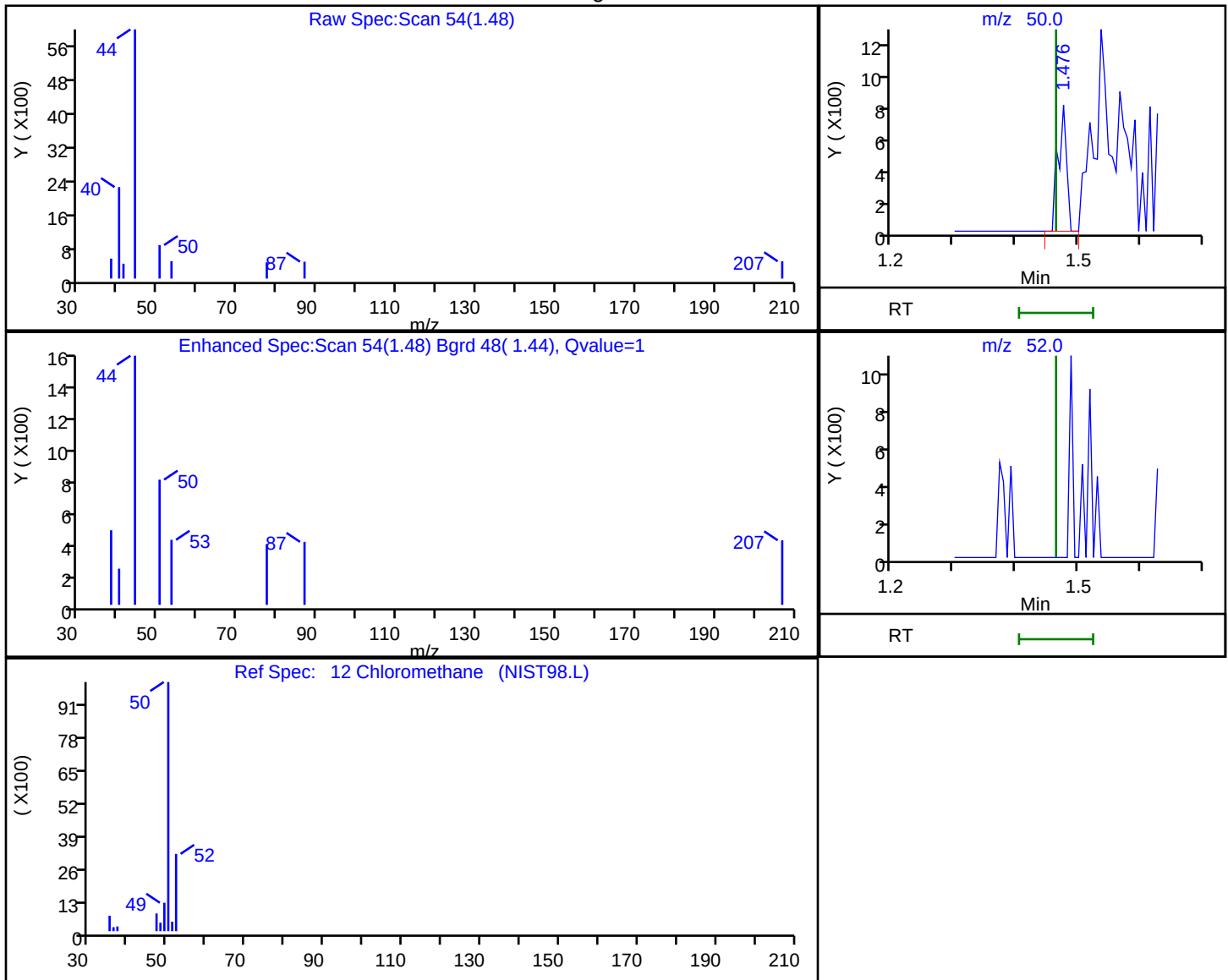
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

12 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.48	50.00	765	0.041461
1.46	52.00	0	

Reviewer: velickovics, 23-Jul-2018 13:52:50

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3766.D

Injection Date: 22-Jul-2018 11:46:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-10

Lab Sample ID: 480-138931-10

Client ID: MW-8R

Operator ID: AM

ALS Bottle#: 2 Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

Method: S-8260

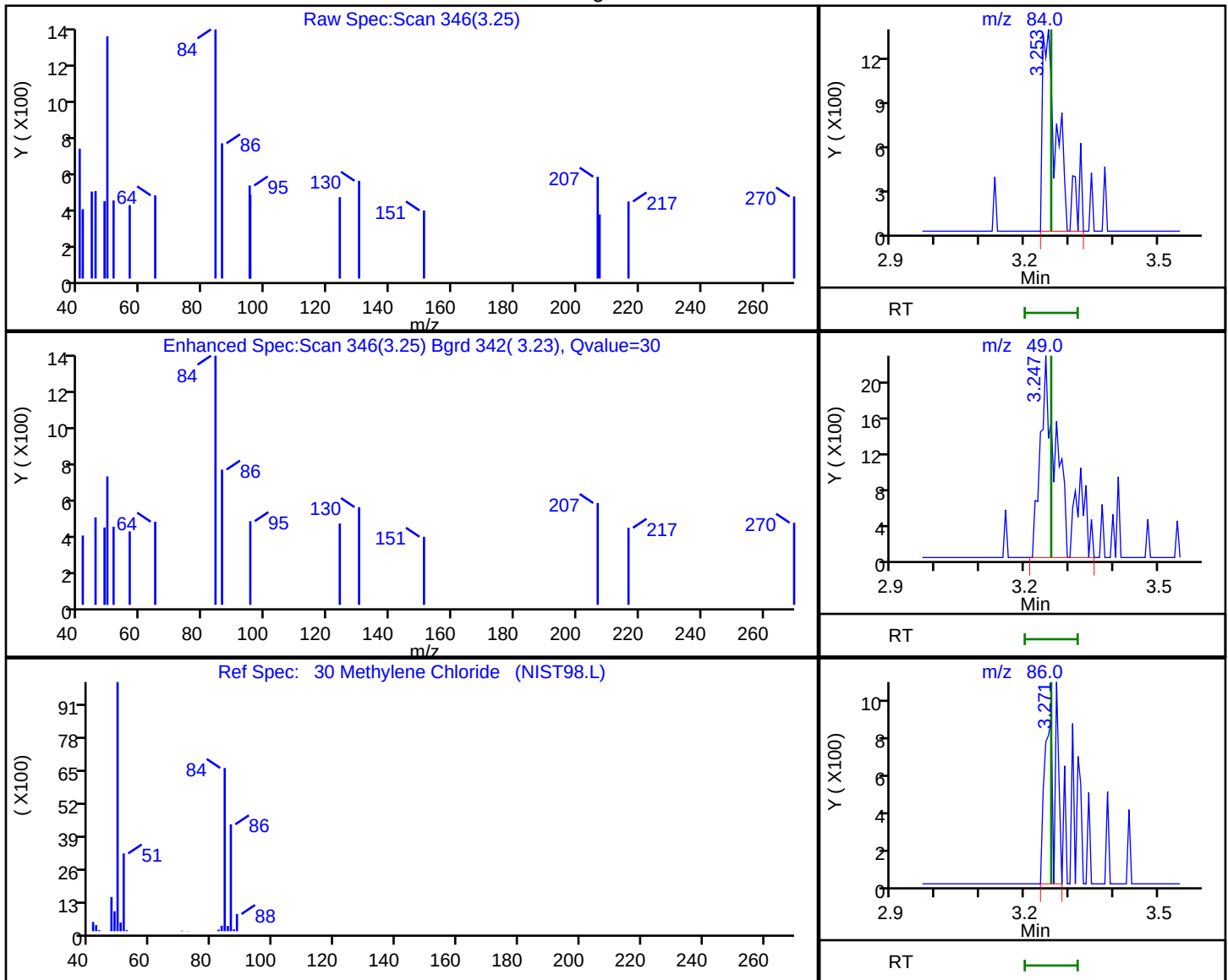
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
3.25	84.00	3355	-0.411301
3.25	49.00	7005	
3.27	86.00	1562	

Reviewer: velickovics, 23-Jul-2018 13:56:40

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3766.D

Injection Date: 22-Jul-2018 11:46:30

Instrument ID: HP5973S

Lims ID: 480-138931-B-10

Lab Sample ID: 480-138931-10

Client ID: MW-8R

Operator ID: AM

ALS Bottle#: 2 Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

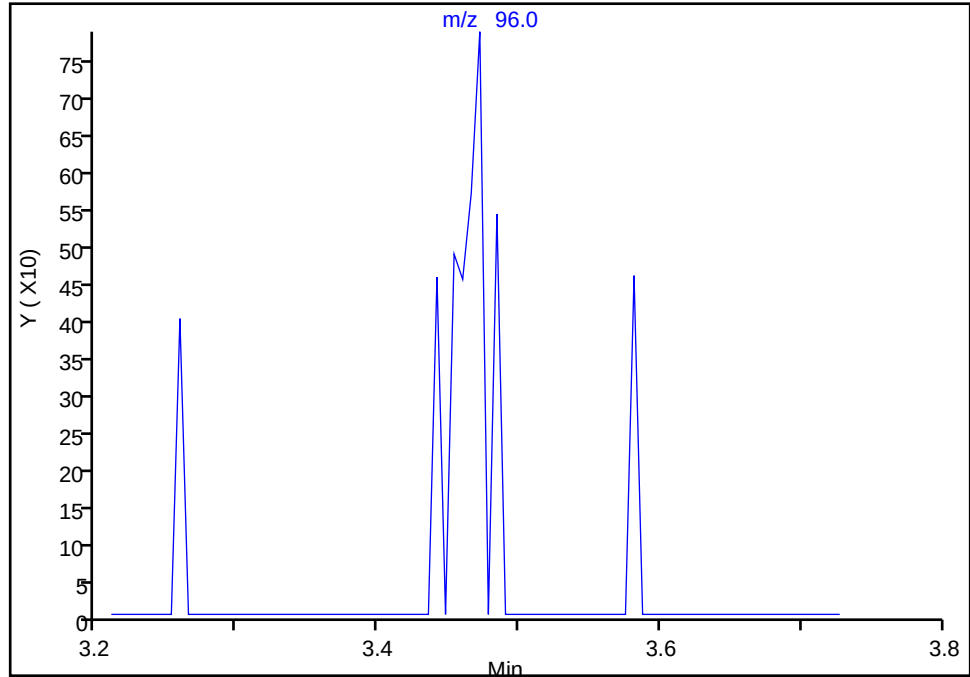
34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

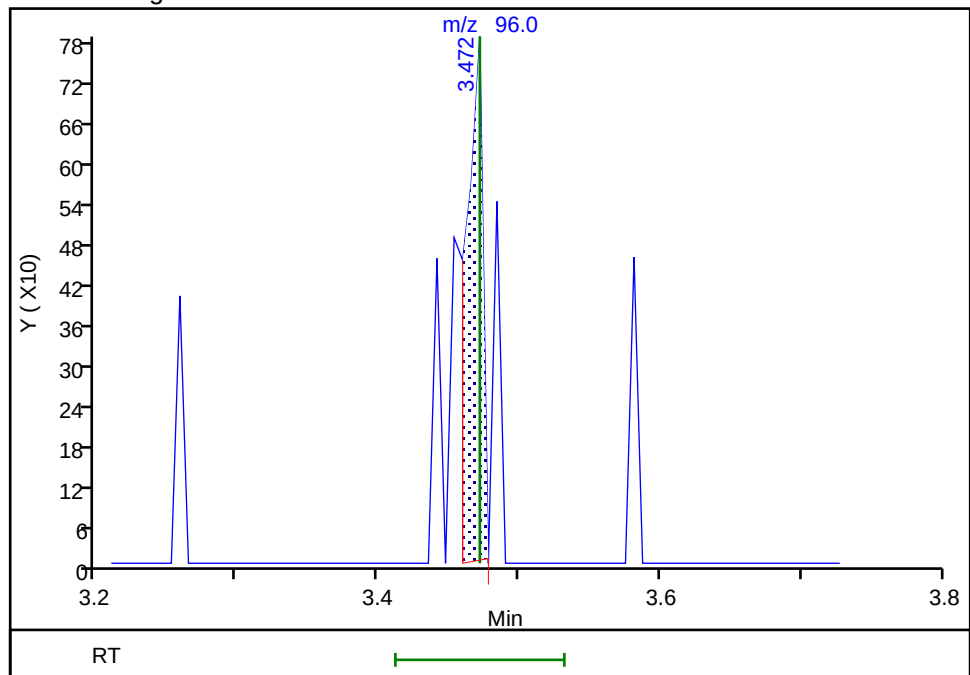
Not Detected

Expected RT: 3.47

Processing Integration Results



Manual Integration Results



RT: 3.47

Area: 654

Amount: 0.061545

Amount Units: ug/L

Reviewer: velickovics, 23-Jul-2018 13:57:32

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>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-16D</u>	Lab Sample ID: <u>480-138931-11</u>
Matrix: <u>Water</u>	Lab File ID: <u>N1719.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/13/2018 15:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/22/2018 06:03</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>425702</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	2.0		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	0.22	J	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	53		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	3.3		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.: 480-138781-1

SDG No.: _____

Client Sample ID: MW-16D Lab Sample ID: 480-138931-11

Matrix: Water Lab File ID: N1719.D

Analysis Method: 8260C Date Collected: 07/13/2018 15:15

Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 06:03

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 425702 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	22		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)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1719.D
 Lims ID: 480-138931-A-11
 Client ID: MW-16D
 Sample Type: Client
 Inject. Date: 22-Jul-2018 06:03:30 ALS Bottle#: 20 Worklist Smp#: 40
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138931-A-11
 Misc. Info.: 480-0073271-040
 Operator ID: LH Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Jul-2018 13:52:50 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: moffata

Date: 22-Jul-2018 13:52:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	183200	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.339	-0.001	91	653657	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.742	-0.001	96	364586	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	-0.001	93	246863	26.4	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	327972	26.4	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	866248	24.9	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	93	297807	25.5	
11 Dichlorodifluoromethane	85		1.294				ND	
13 Chloromethane	50		1.464				ND	
14 Vinyl chloride	62	1.549	1.543	0.006	97	358457	22.4	
15 Bromomethane	94		1.847				ND	
16 Chloroethane	64	1.939	1.939	0.000	97	479438	52.5	
18 Trichlorofluoromethane	101		2.145				ND	
22 1,1-Dichloroethene	96		2.632				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43	2.742	2.742	0.006	83	11338	2.17	
25 Carbon disulfide	76	2.827	2.827	0.000	84	6138	0.2200	
28 Methyl acetate	43		3.040				ND	
30 Methylene Chloride	84	3.131	3.113	0.006	31	1857	0.1504	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	83	3191	0.2870	
36 1,1-Dichloroethane	63	3.758	3.757	-0.006	96	46129	1.99	
43 cis-1,2-Dichloroethene	96	4.311	4.305	0.006	86	41637	3.28	
44 2-Butanone (MEK)	43		4.335				ND	U
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.767				ND	
53 Carbon tetrachloride	117		4.883				ND	
55 Benzene	78		5.090				ND	U
57 1,2-Dichloroethane	62		5.145				ND	
60 Trichloroethene	95	5.698	5.698	-0.006	83	3029	0.2769	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.838				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	U
73 Toluene	92	6.939	6.933	0.006	35	4202	0.1686	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.475				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.779				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.269				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.786				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.119				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1719.D

Injection Date: 22-Jul-2018 06:03:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-138931-A-11

Lab Sample ID: 480-138931-11

Worklist Smp#: 40

Client ID: MW-16D

Purge Vol: 5.000 mL

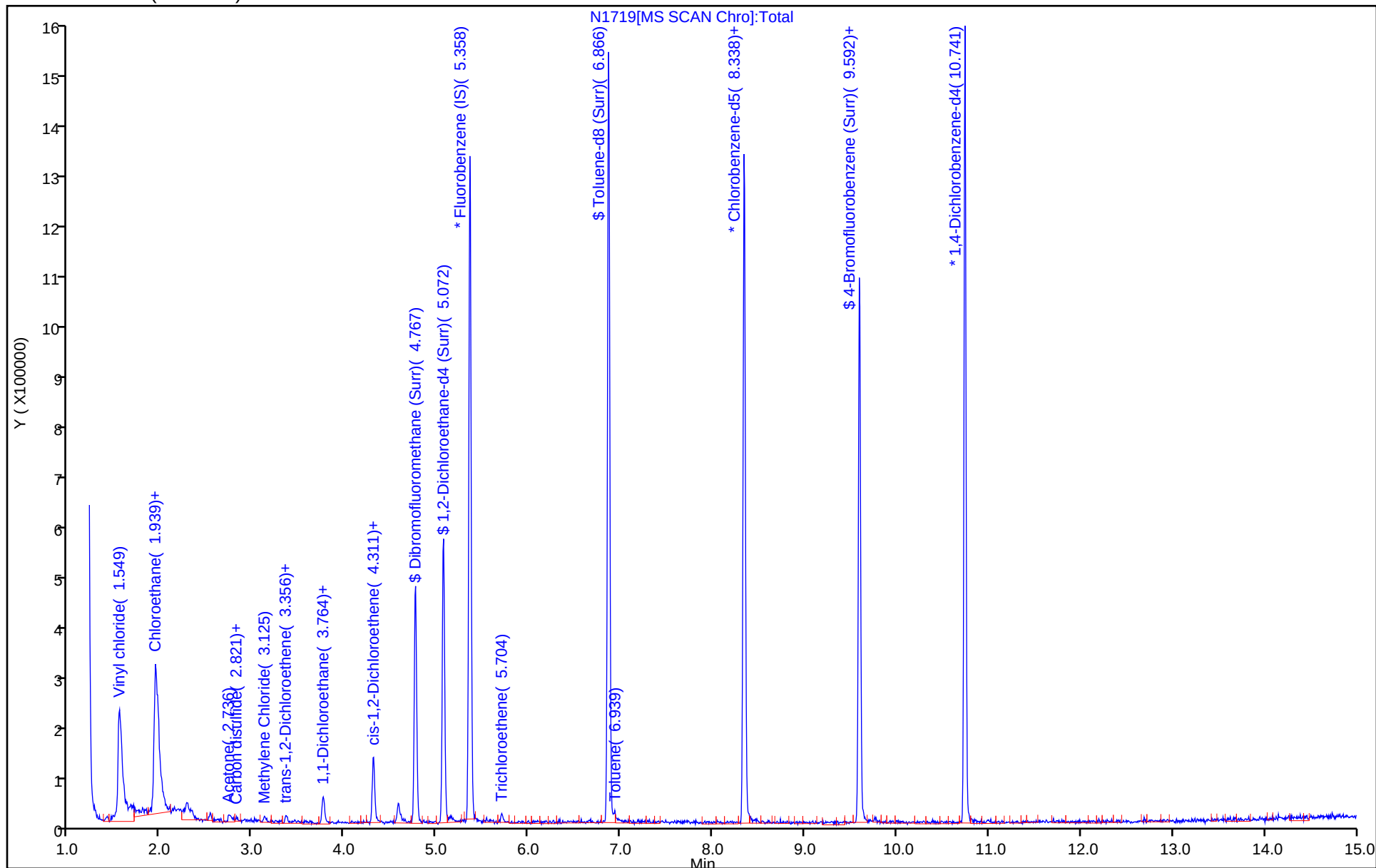
Dil. Factor: 1.0000

ALS Bottle#: 20

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1719.D

Injection Date: 22-Jul-2018 06:03:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-11

Lab Sample ID: 480-138931-11

Client ID: MW-16D

Operator ID: LH

ALS Bottle#: 20

Worklist Smp#: 40

Purge Vol: 5.000 mL

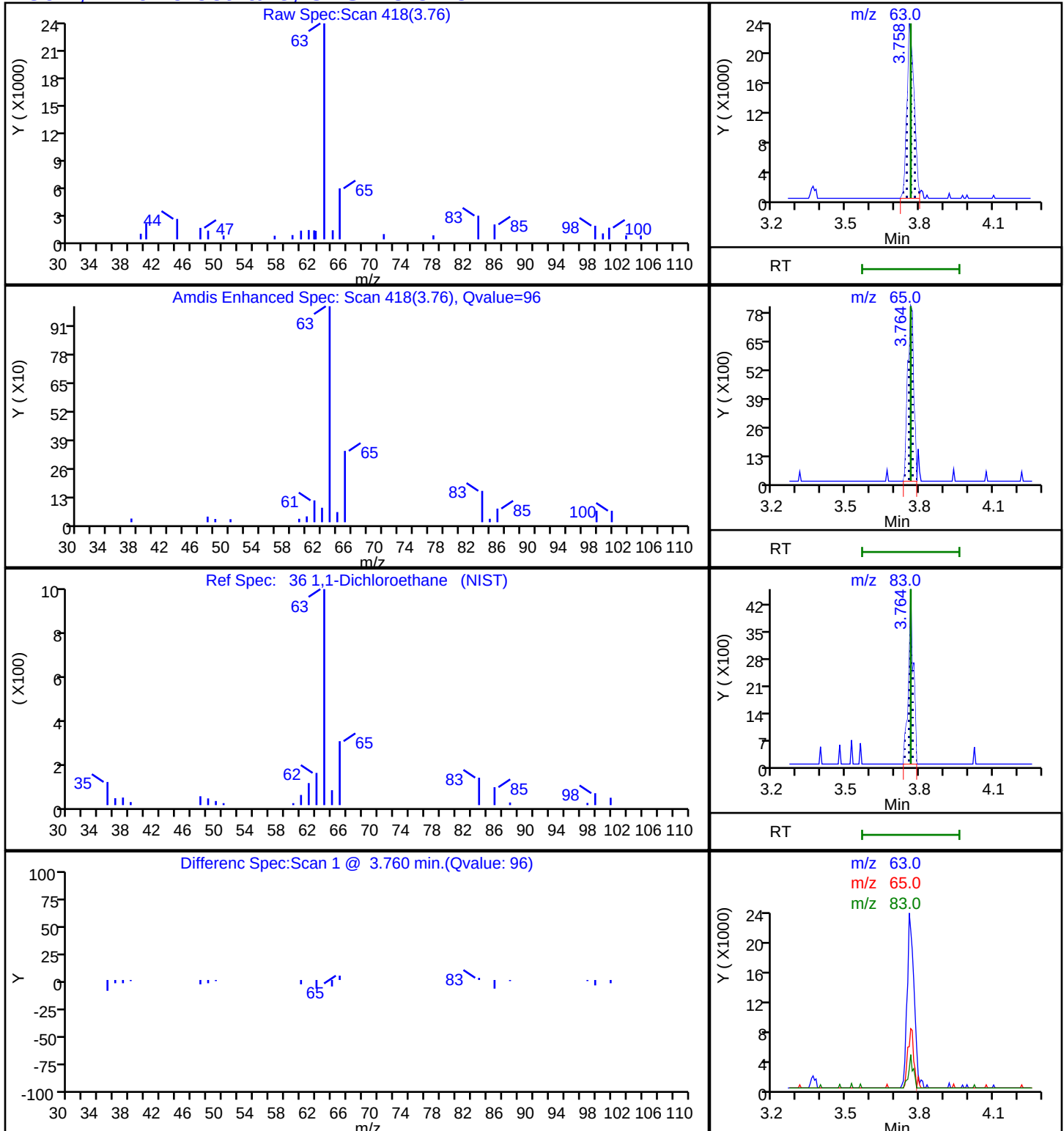
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180721-73271.b\N1719.D

Injection Date: 22-Jul-2018 06:03:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-11

Lab Sample ID: 480-138931-11

Client ID: MW-16D

Operator ID: LH

ALS Bottle#: 20

Worklist Smp#: 40

Purge Vol: 5.000 mL

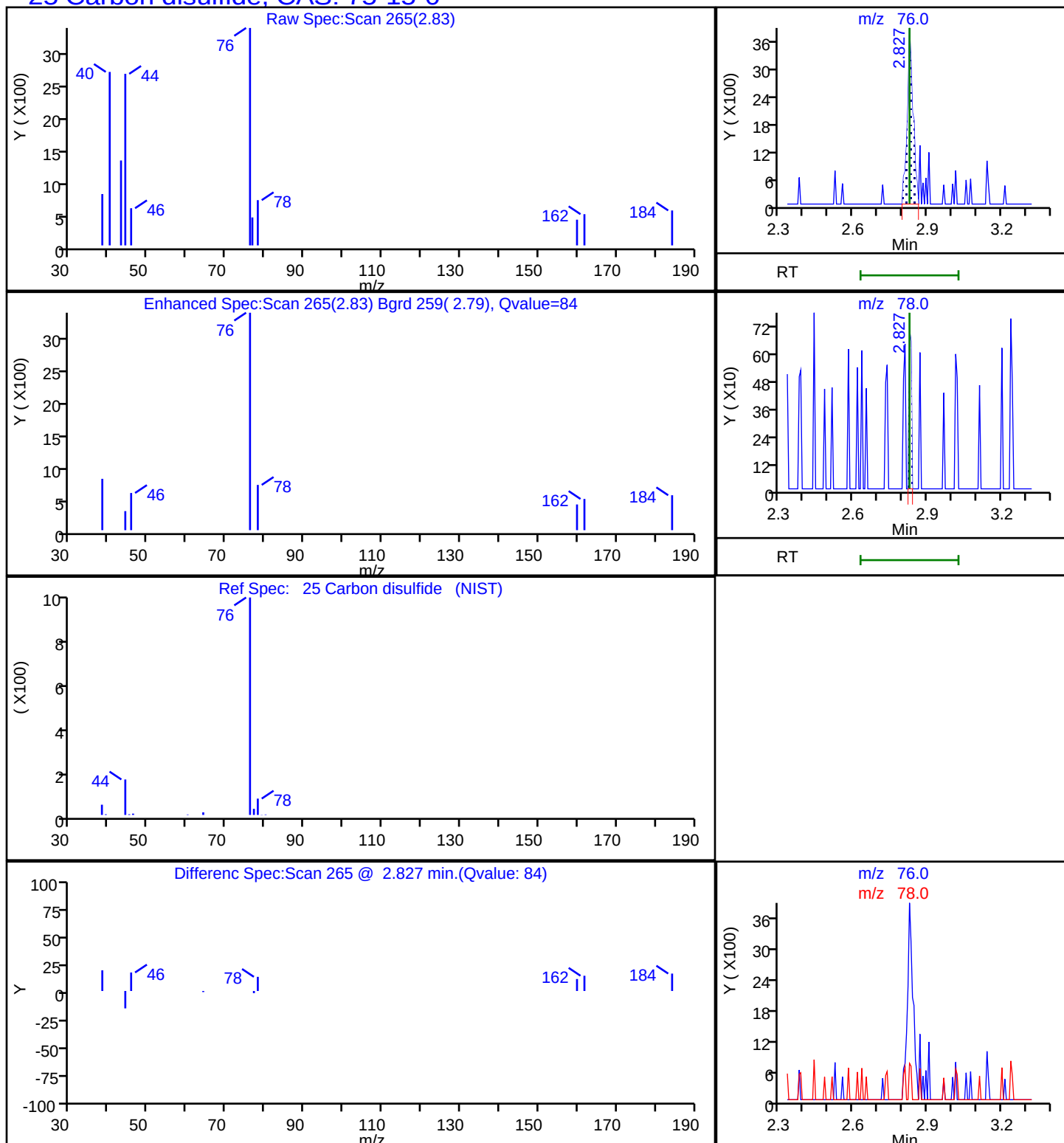
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 Carbon disulfide, CAS: 75-15-0

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1719.D

Injection Date: 22-Jul-2018 06:03:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-11

Lab Sample ID: 480-138931-11

Client ID: MW-16D

Operator ID: LH

ALS Bottle#: 20

Worklist Smp#: 40

Purge Vol: 5.000 mL

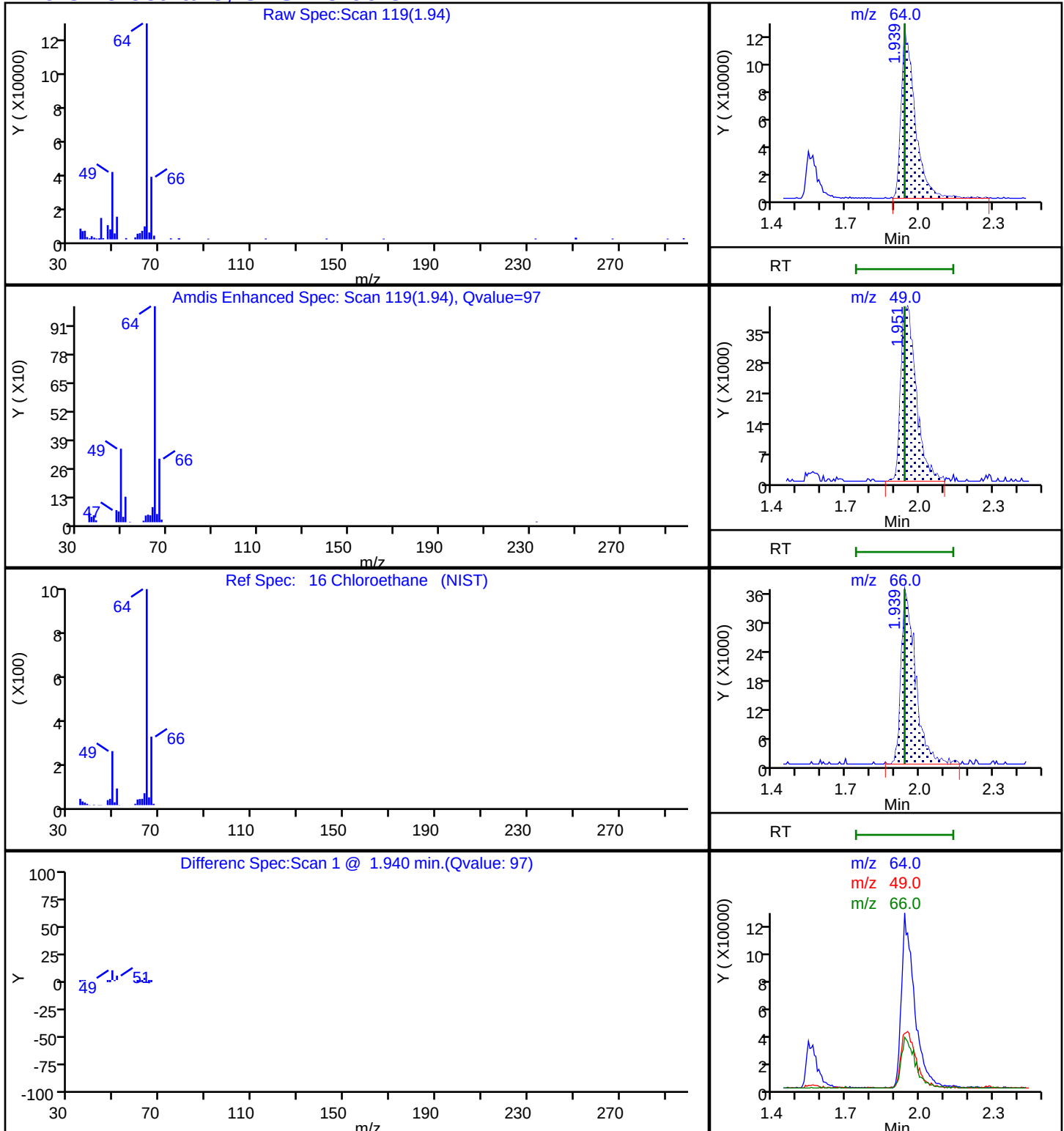
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180721-73271.b\N1719.D

Injection Date: 22-Jul-2018 06:03:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-11

Lab Sample ID: 480-138931-11

Client ID: MW-16D

Operator ID: LH

ALS Bottle#: 20

Worklist Smp#: 40

Purge Vol: 5.000 mL

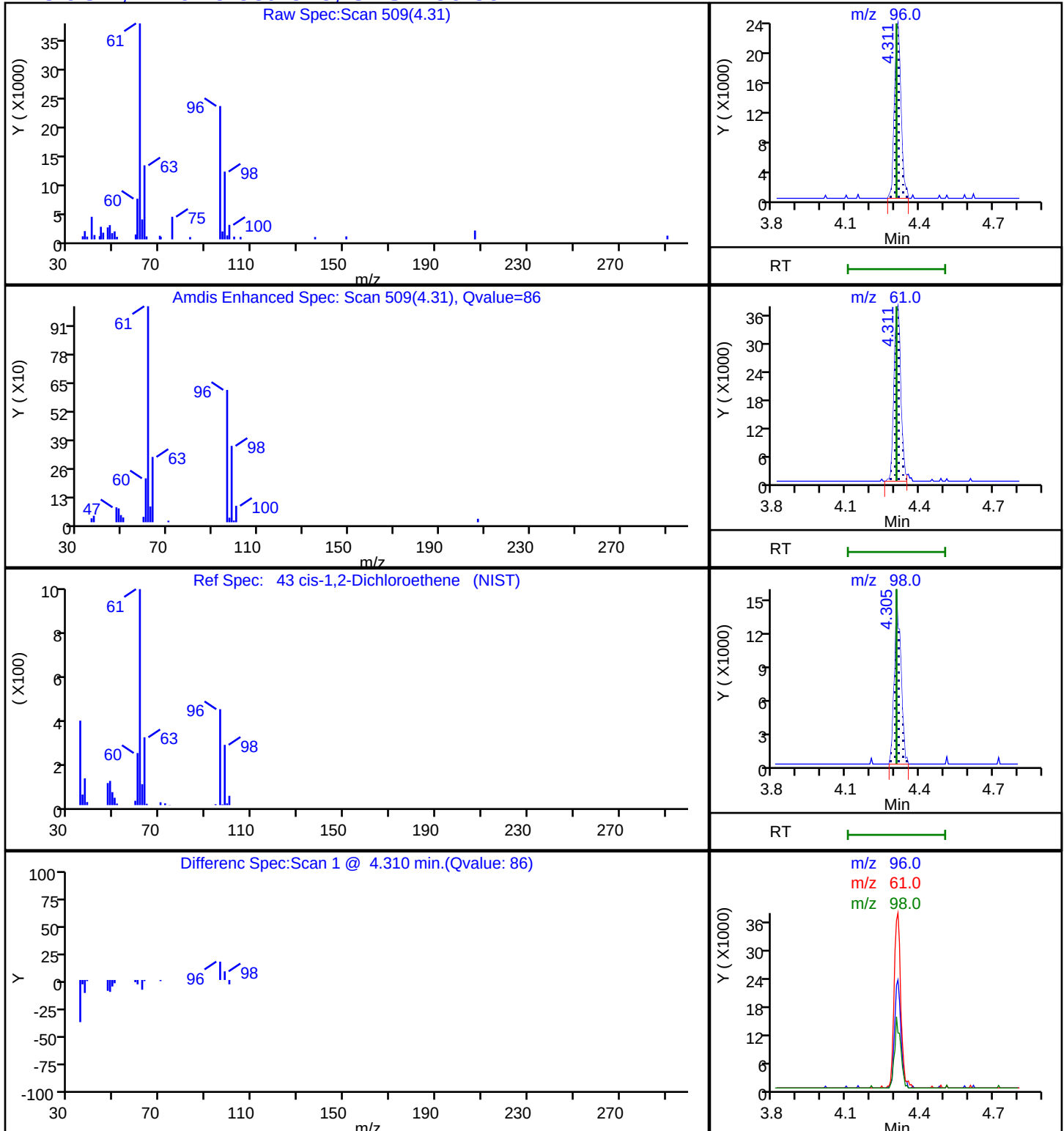
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180721-73271.b\N1719.D

Injection Date: 22-Jul-2018 06:03:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-11

Lab Sample ID: 480-138931-11

Client ID: MW-16D

Operator ID: LH

ALS Bottle#: 20

Worklist Smp#: 40

Purge Vol: 5.000 mL

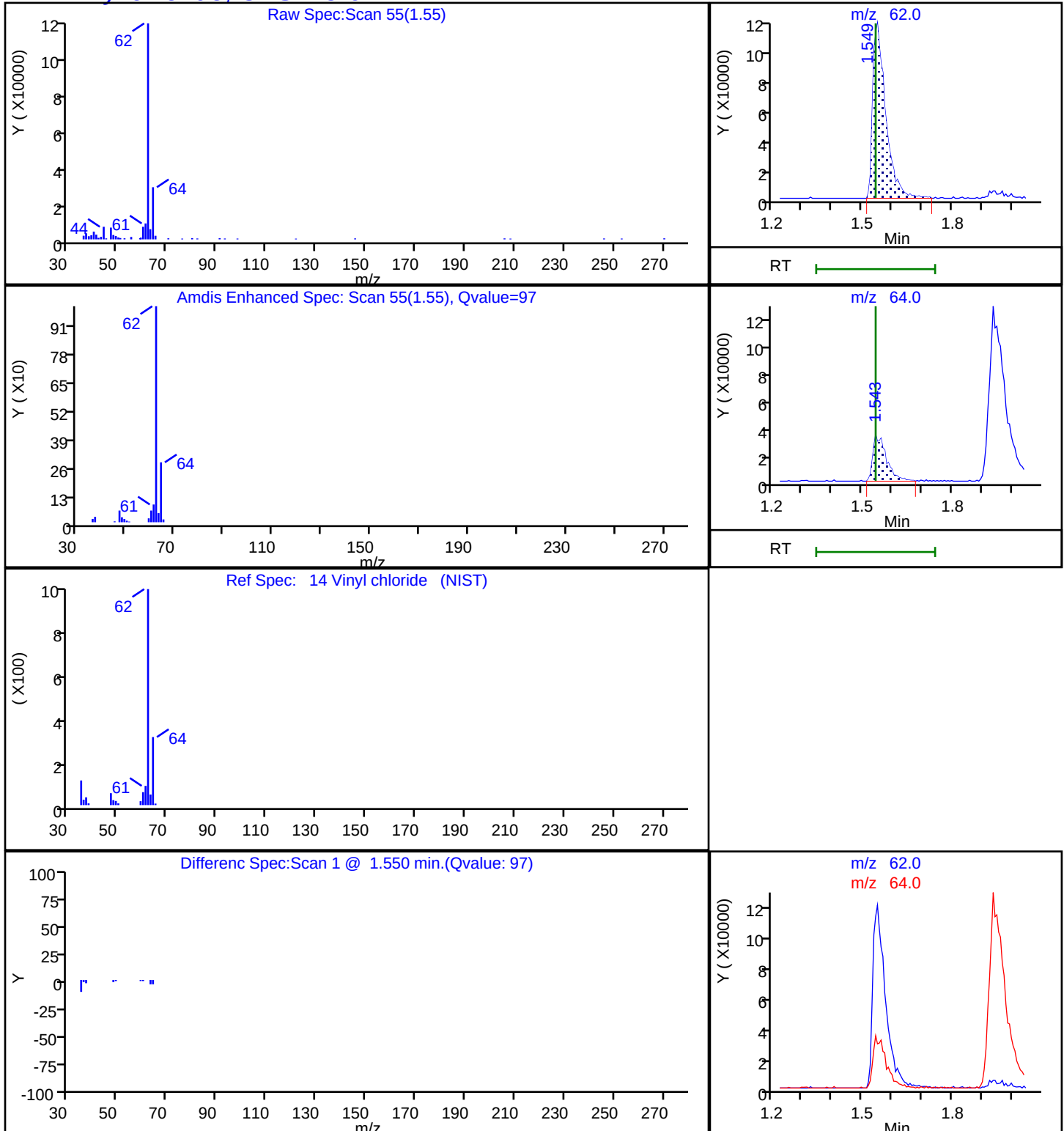
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180721-73271.b\N1719.D

Injection Date: 22-Jul-2018 06:03:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-11

Lab Sample ID: 480-138931-11

Client ID: MW-16D

Operator ID: LH

ALS Bottle#: 20 Worklist Smp#: 40

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

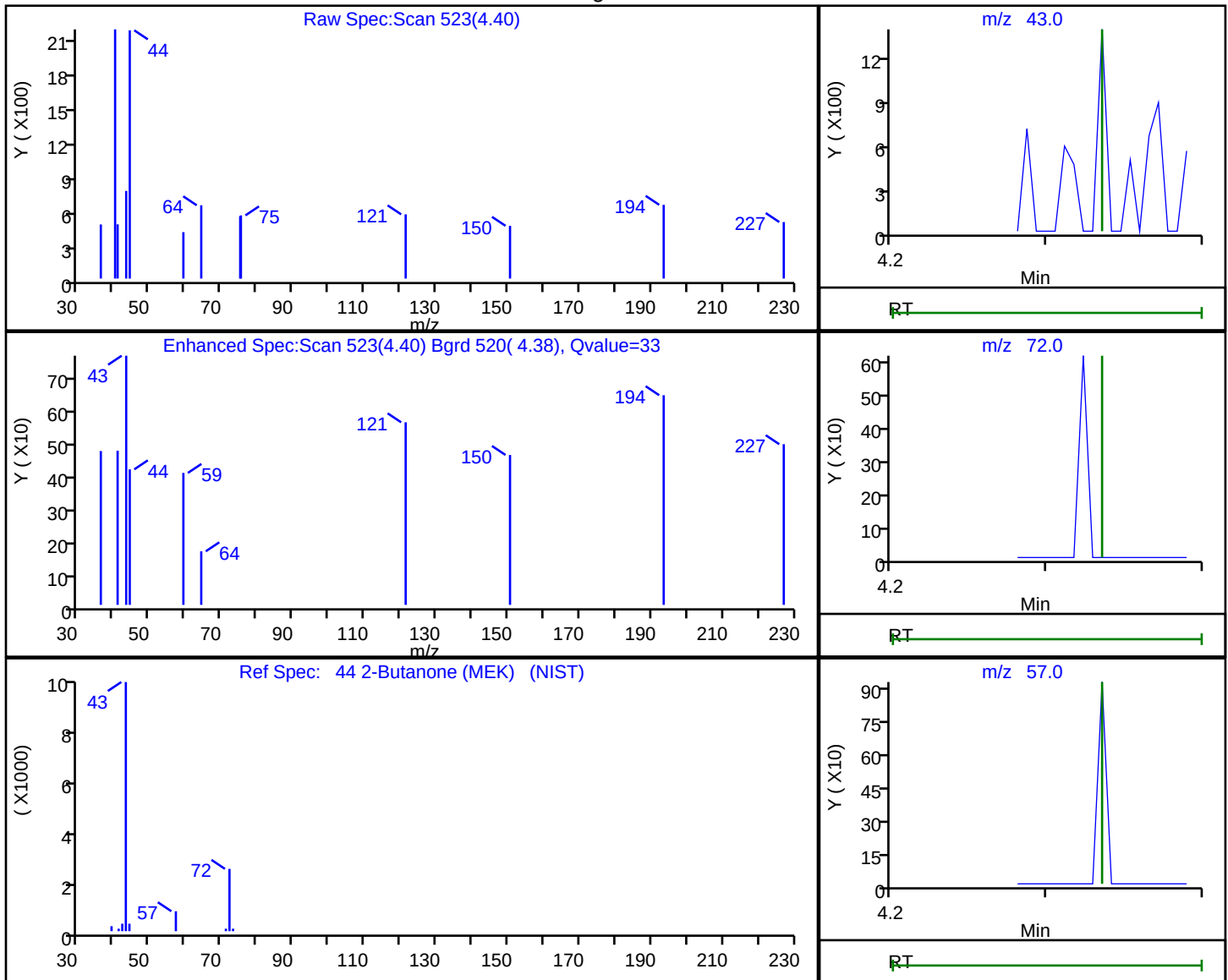
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
4.40	43.00	657	0.067036
4.34	72.00	0	
4.34	57.00	0	

Reviewer: moffata, 22-Jul-2018 13:52:35

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1719.D

Injection Date: 22-Jul-2018 06:03:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-11

Lab Sample ID: 480-138931-11

Client ID: MW-16D

Operator ID: LH

ALS Bottle#: 20 Worklist Smp#: 40

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

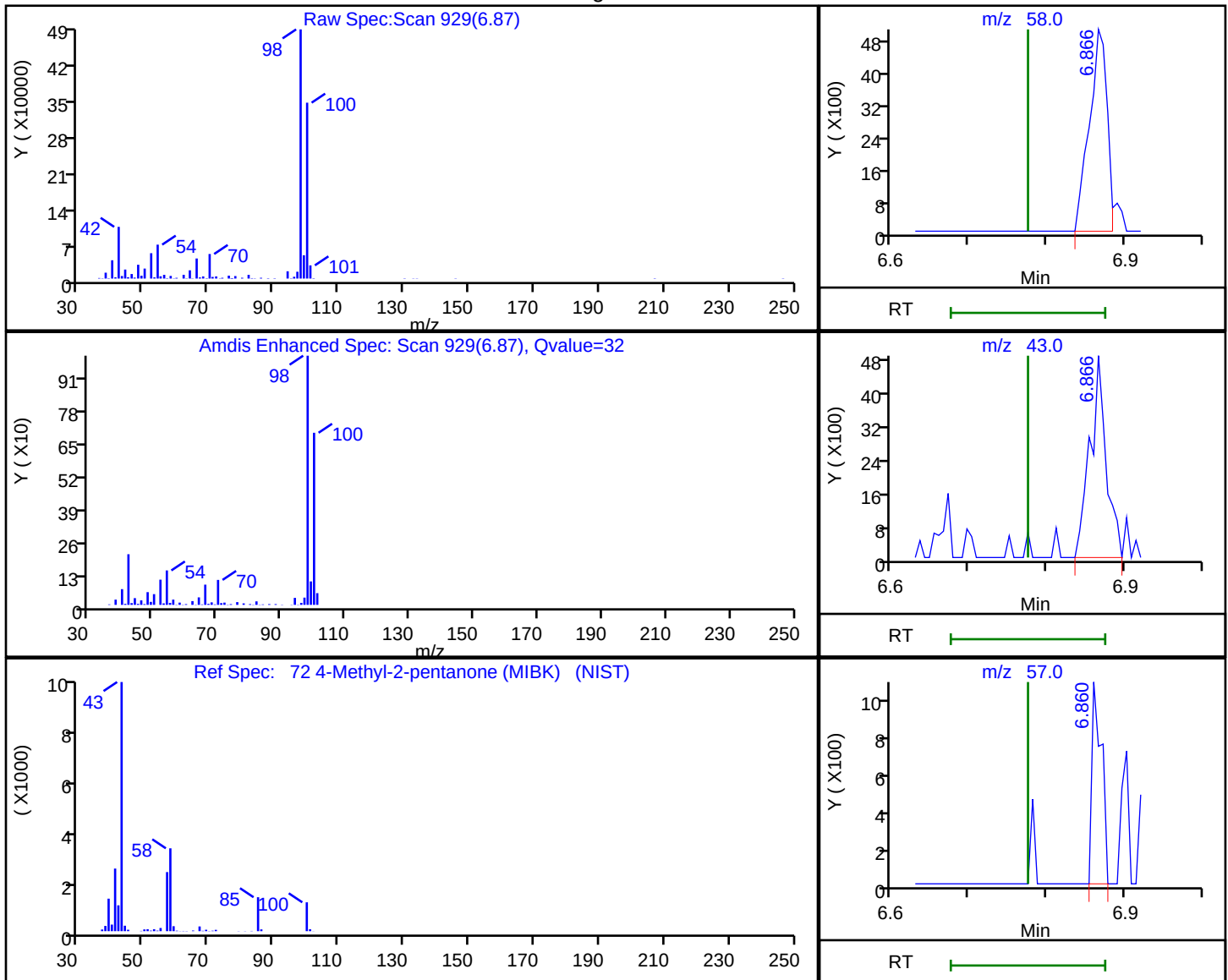
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.87	58.00	8075	1.217958
6.87	43.00	7130	
6.86	57.00	936	

Reviewer: moffata, 22-Jul-2018 13:52:42

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1719.D

Injection Date: 22-Jul-2018 06:03:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-11

Lab Sample ID: 480-138931-11

Client ID: MW-16D

Operator ID: LH

ALS Bottle#: 20 Worklist Smp#: 40

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

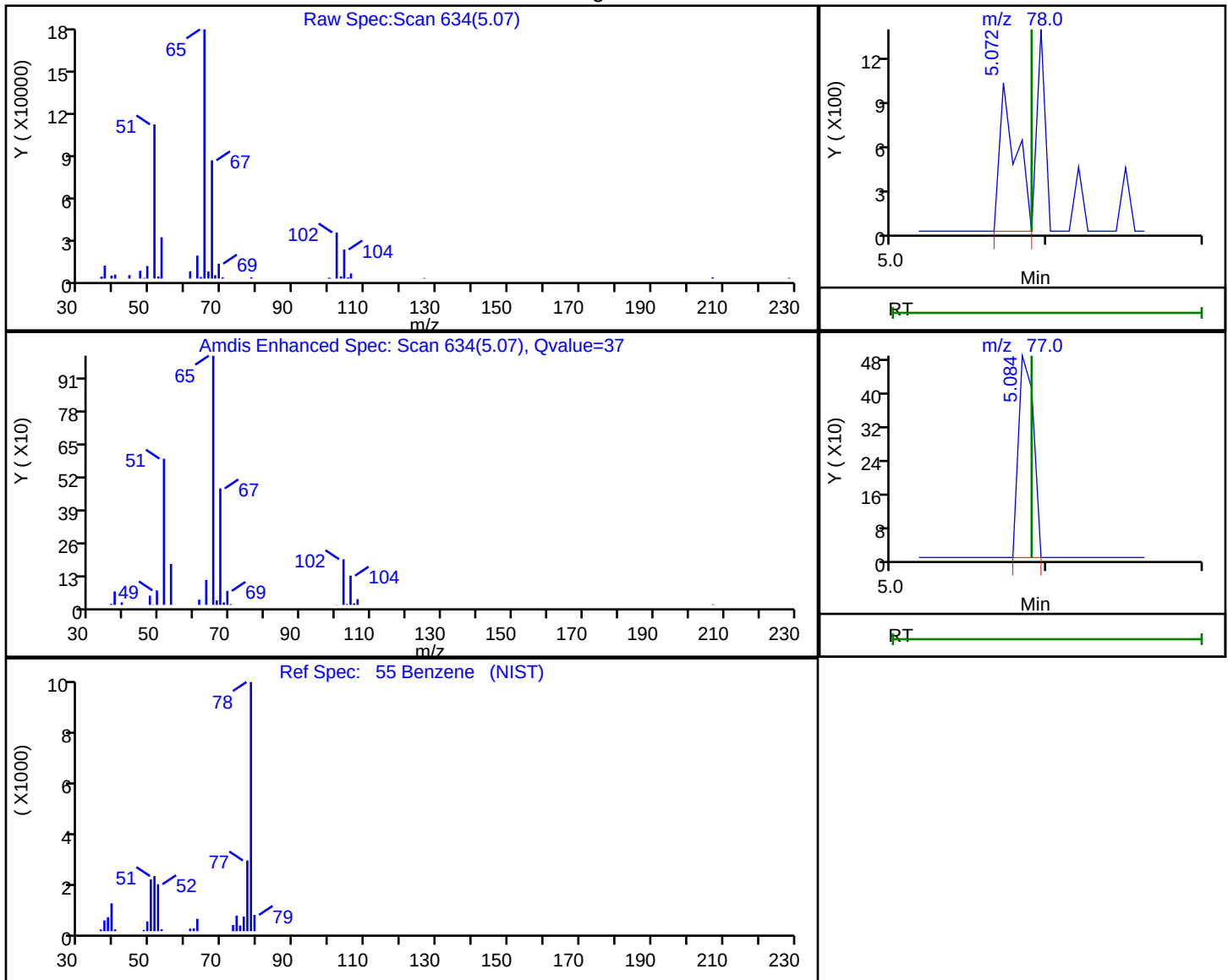
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

55 Benzene, CAS: 71-43-2

Processing Results



RT	Mass	Response	Amount
5.07	78.00	732	0.016672
5.08	77.00	326	

Reviewer: moffata, 22-Jul-2018 13:52:38

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: MW-13D Lab Sample ID: 480-138931-12

Matrix: Water Lab File ID: N1720.D

Analysis Method: 8260C Date Collected: 07/13/2018 12:15

Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 06:30

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.: 425702 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	4.4	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	5.5		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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: MW-13D Lab Sample ID: 480-138931-12
 Matrix: Water Lab File ID: N1720.D
 Analysis Method: 8260C Date Collected: 07/13/2018 12:15
 Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 06:30
 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.: 425702 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)	104		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)	99		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1720.D
 Lims ID: 480-138931-A-12
 Client ID: MW-13D
 Sample Type: Client
 Inject. Date: 22-Jul-2018 06:30:30 ALS Bottle#: 21 Worklist Smp#: 41
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-138931-A-12
 Misc. Info.: 480-0073271-041
 Operator ID: LH Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Jul-2018 13:53:20 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: moffata

Date: 22-Jul-2018 13:53:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.364	5.358	0.006	98	187261	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.339	-0.001	91	692502	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.742	-0.001	95	372872	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	-0.001	93	236331	24.7	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	328607	25.9	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	96	904388	24.6	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.592	0.006	93	313720	25.3	
11 Dichlorodifluoromethane	85		1.294				ND	U
13 Chloromethane	50		1.464				ND	
14 Vinyl chloride	62		1.543				ND	U
15 Bromomethane	94		1.847				ND	U
16 Chloroethane	64	1.939	1.939	0.000	97	51020	5.47	
18 Trichlorofluoromethane	101		2.145				ND	
22 1,1-Dichloroethene	96		2.632				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644				ND	
23 Acetone	43	2.754	2.742	0.018	98	23657	4.44	
25 Carbon disulfide	76		2.827				ND	U
28 Methyl acetate	43		3.040				ND	
30 Methylene Chloride	84		3.125				ND	
32 Methyl tert-butyl ether	73		3.356				ND	
33 trans-1,2-Dichloroethene	96		3.362				ND	
36 1,1-Dichloroethane	63		3.764				ND	
43 cis-1,2-Dichloroethene	96		4.305				ND	
44 2-Butanone (MEK)	43		4.335				ND	U
50 Chloroform	83		4.615				ND	
51 1,1,1-Trichloroethane	97		4.743				ND	
52 Cyclohexane	56		4.767				ND	
53 Carbon tetrachloride	117		4.883				ND	
55 Benzene	78		5.090				ND	
57 1,2-Dichloroethane	62		5.145				ND	
60 Trichloroethene	95		5.704				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
62 Methylcyclohexane	83		5.838				ND	
63 1,2-Dichloropropane	63		5.923				ND	
67 Dichlorobromomethane	83		6.209				ND	
71 cis-1,3-Dichloropropene	75		6.629				ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775				ND	U
73 Toluene	92		6.933				ND	
75 trans-1,3-Dichloropropene	75		7.195				ND	
78 1,1,2-Trichloroethane	83		7.377				ND	
79 Tetrachloroethene	166		7.475				ND	
82 2-Hexanone	43		7.615				ND	
83 Chlorodibromomethane	129		7.779				ND	
84 Ethylene Dibromide	107		7.882				ND	
85 Chlorobenzene	112		8.369				ND	
88 Ethylbenzene	91		8.472				ND	
90 m-Xylene & p-Xylene	106		8.594				ND	
91 o-Xylene	106		9.020				ND	
92 Styrene	104		9.044				ND	
93 Bromoform	173		9.269				ND	
95 Isopropylbenzene	105		9.409				ND	
98 1,1,2,2-Tetrachloroethane	83		9.786				ND	
110 1,3-Dichlorobenzene	146		10.675				ND	
113 1,4-Dichlorobenzene	146		10.766				ND	
116 1,2-Dichlorobenzene	146		11.119				ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837				ND	U
119 1,2,4-Trichlorobenzene	180		12.530				ND	
S 126 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180721-73271.b\\N1720.D

Injection Date: 22-Jul-2018 06:30:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-138931-A-12

Lab Sample ID: 480-138931-12

Worklist Smp#: 41

Client ID: MW-13D

Purge Vol: 5.000 mL

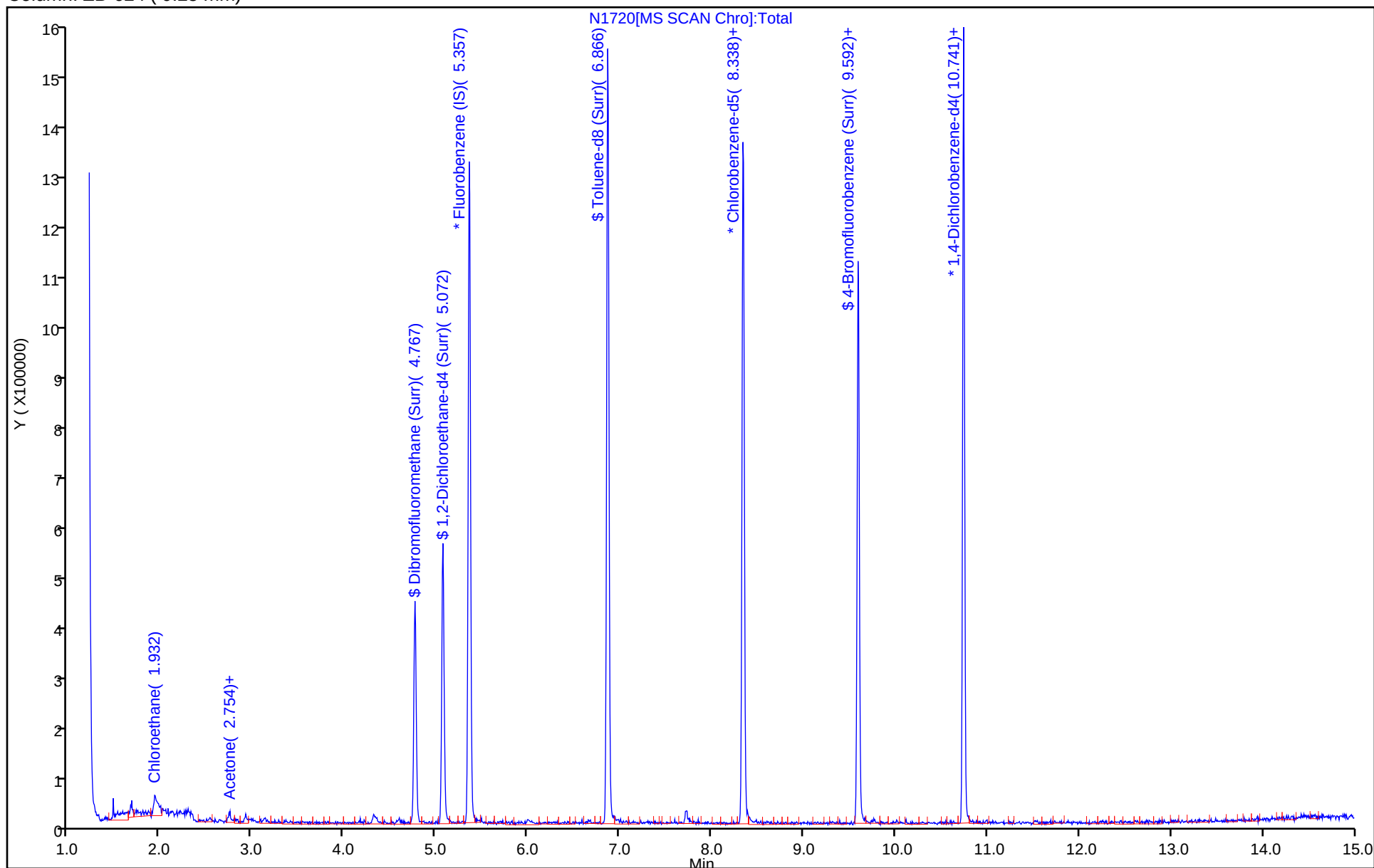
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1720.D

Injection Date: 22-Jul-2018 06:30:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-12

Lab Sample ID: 480-138931-12

Client ID: MW-13D

Operator ID: LH

ALS Bottle#: 21

Worklist Smp#: 41

Purge Vol: 5.000 mL

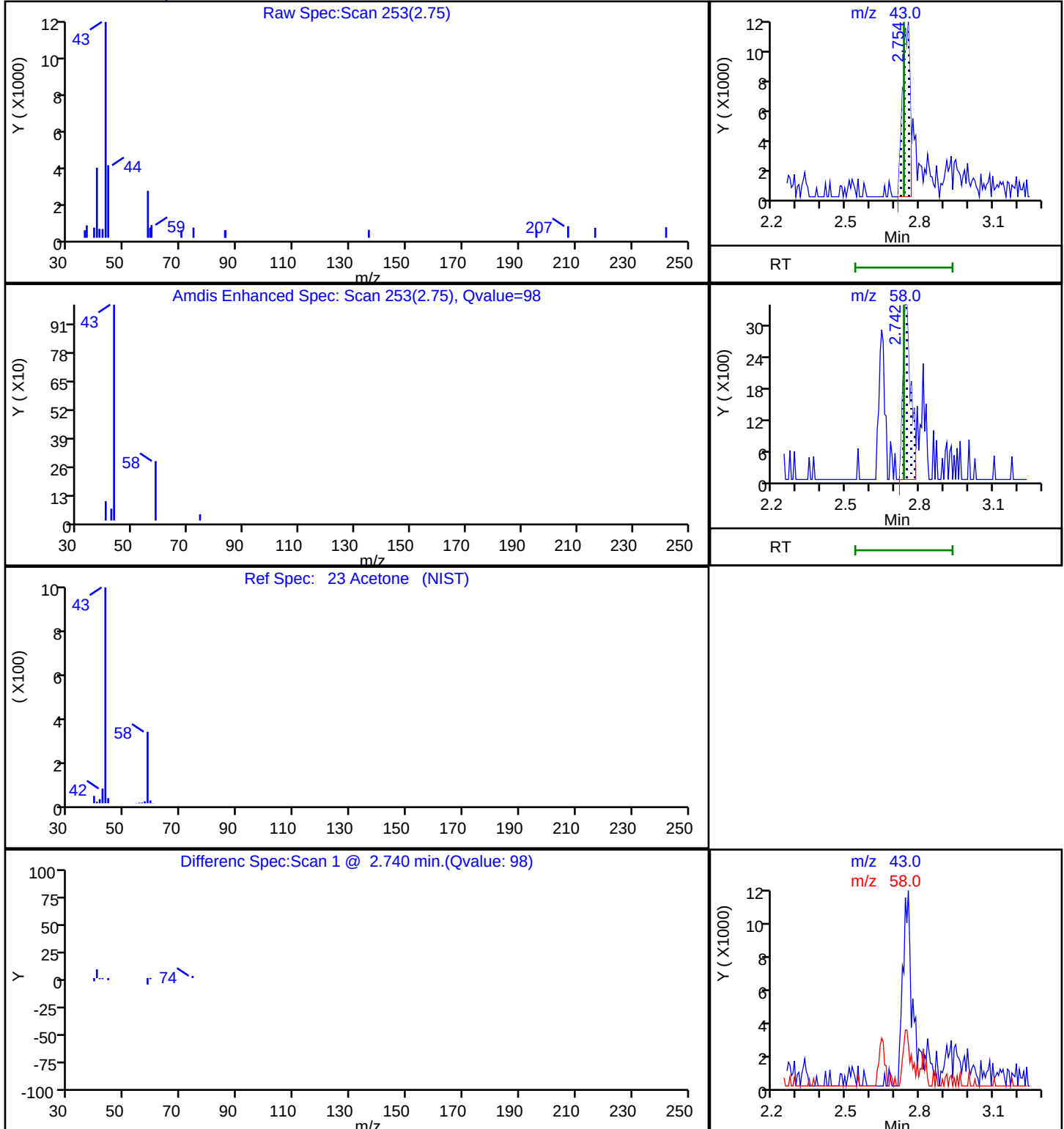
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180721-73271.b\N1720.D

Injection Date: 22-Jul-2018 06:30:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-12

Lab Sample ID: 480-138931-12

Client ID: MW-13D

Operator ID: LH

ALS Bottle#: 21

Worklist Smp#: 41

Purge Vol: 5.000 mL

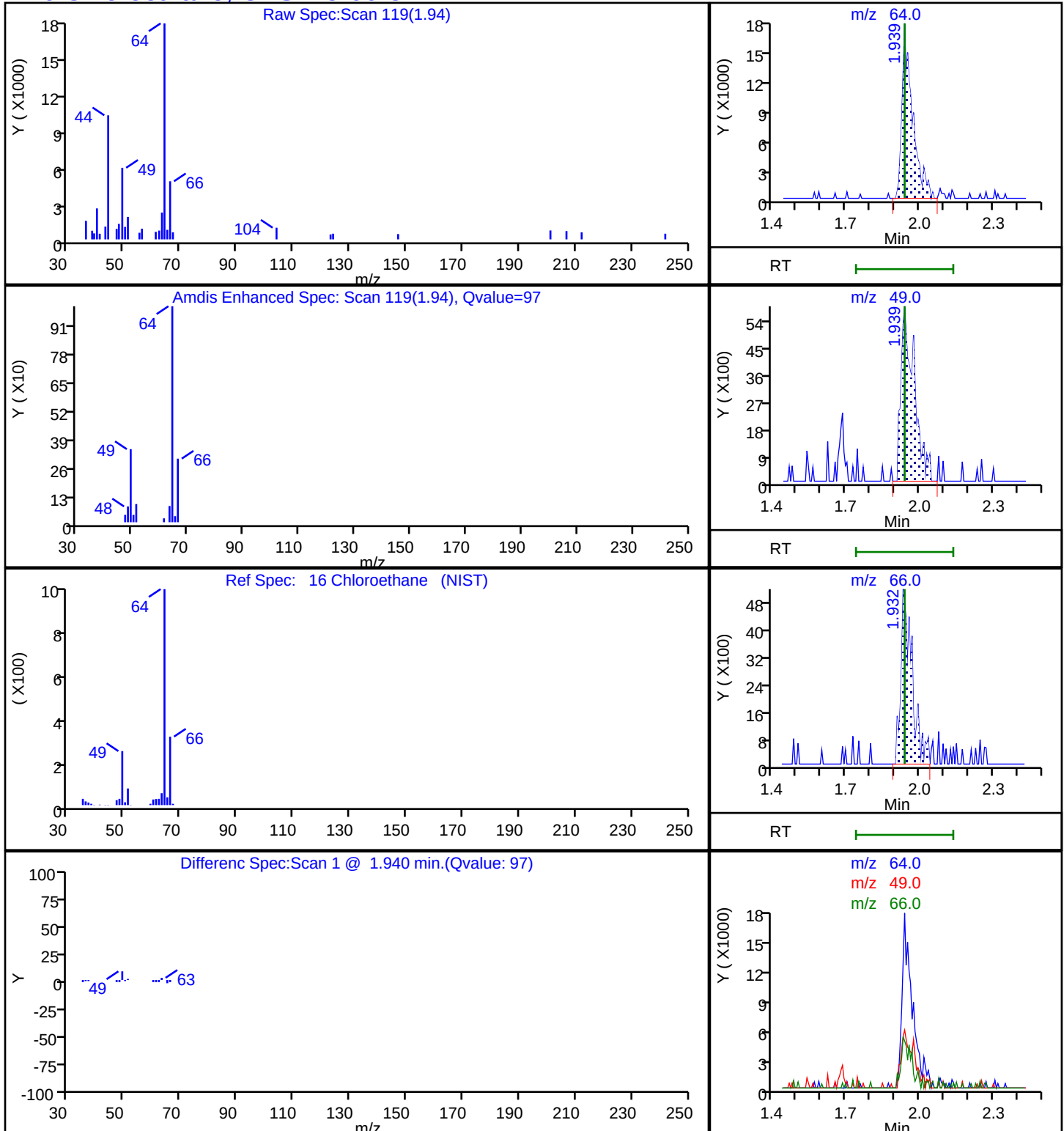
Dil. Factor: 1.0000

Method: N-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\HP5973N\20180721-73271.b\N1720.D

Injection Date: 22-Jul-2018 06:30:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-12

Lab Sample ID: 480-138931-12

Client ID: MW-13D

Operator ID: LH

ALS Bottle#: 21 Worklist Smp#: 41

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

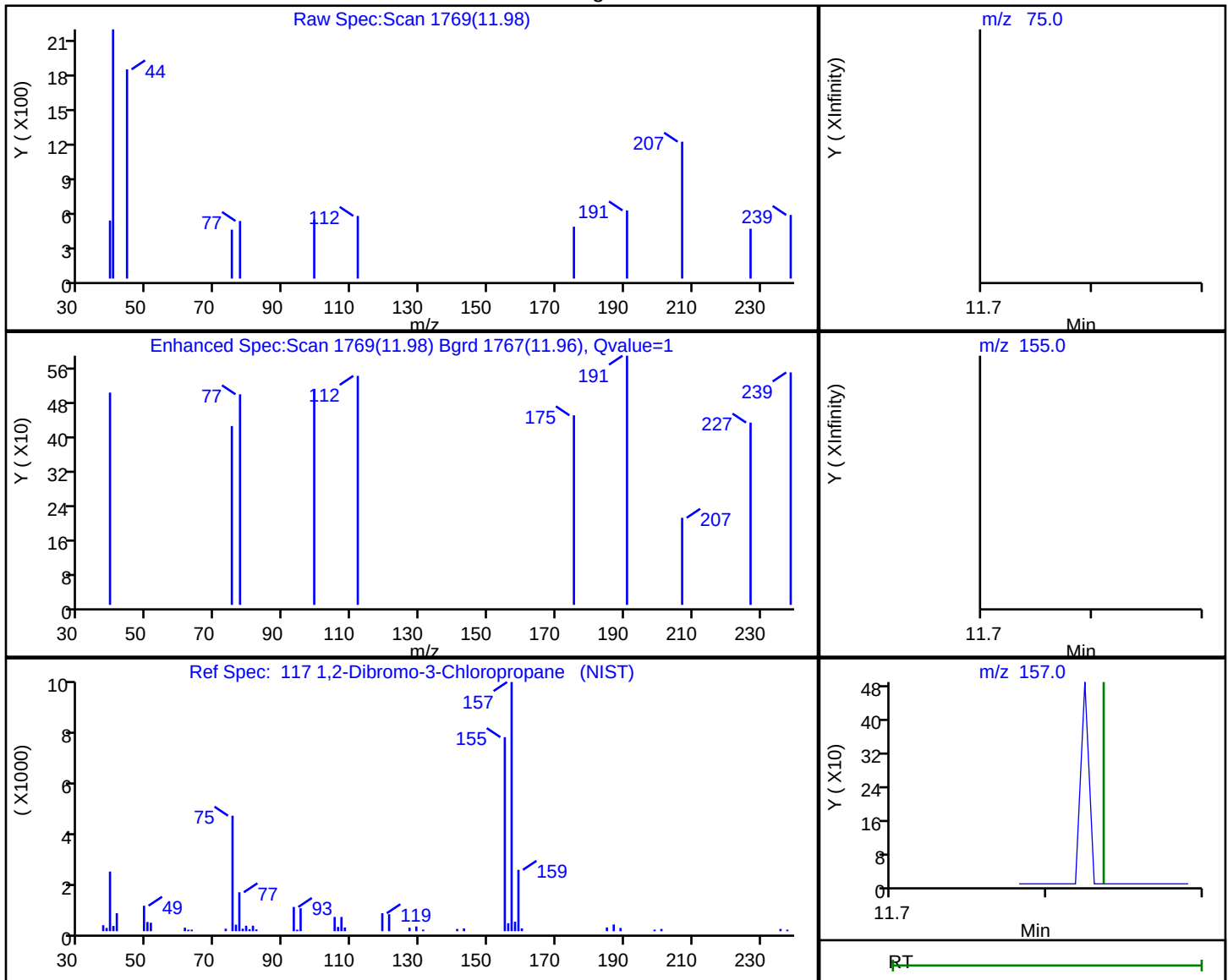
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
11.98	75.00	303	0.134511
11.84	155.00	0	
11.84	157.00	0	

Reviewer: moffata, 22-Jul-2018 13:53:19

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1720.D

Injection Date: 22-Jul-2018 06:30:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-12

Lab Sample ID: 480-138931-12

Client ID: MW-13D

Operator ID: LH

ALS Bottle#: 21 Worklist Smp#: 41

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

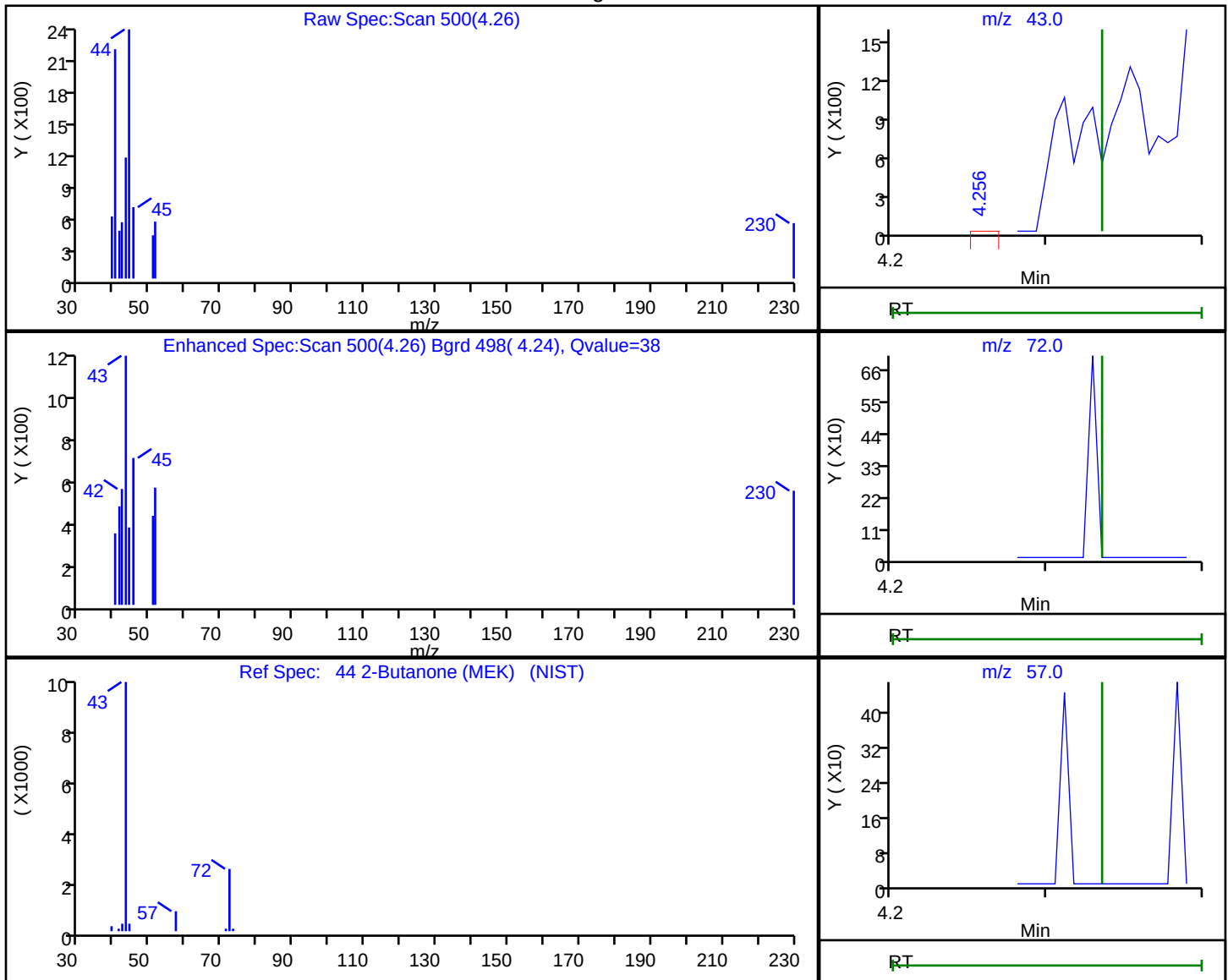
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
4.26	43.00	621	0.061988
4.34	72.00	0	
4.34	57.00	0	

Reviewer: moffata, 22-Jul-2018 13:53:09

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1720.D

Injection Date: 22-Jul-2018 06:30:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-12

Lab Sample ID: 480-138931-12

Client ID: MW-13D

Operator ID: LH

ALS Bottle#: 21 Worklist Smp#: 41

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

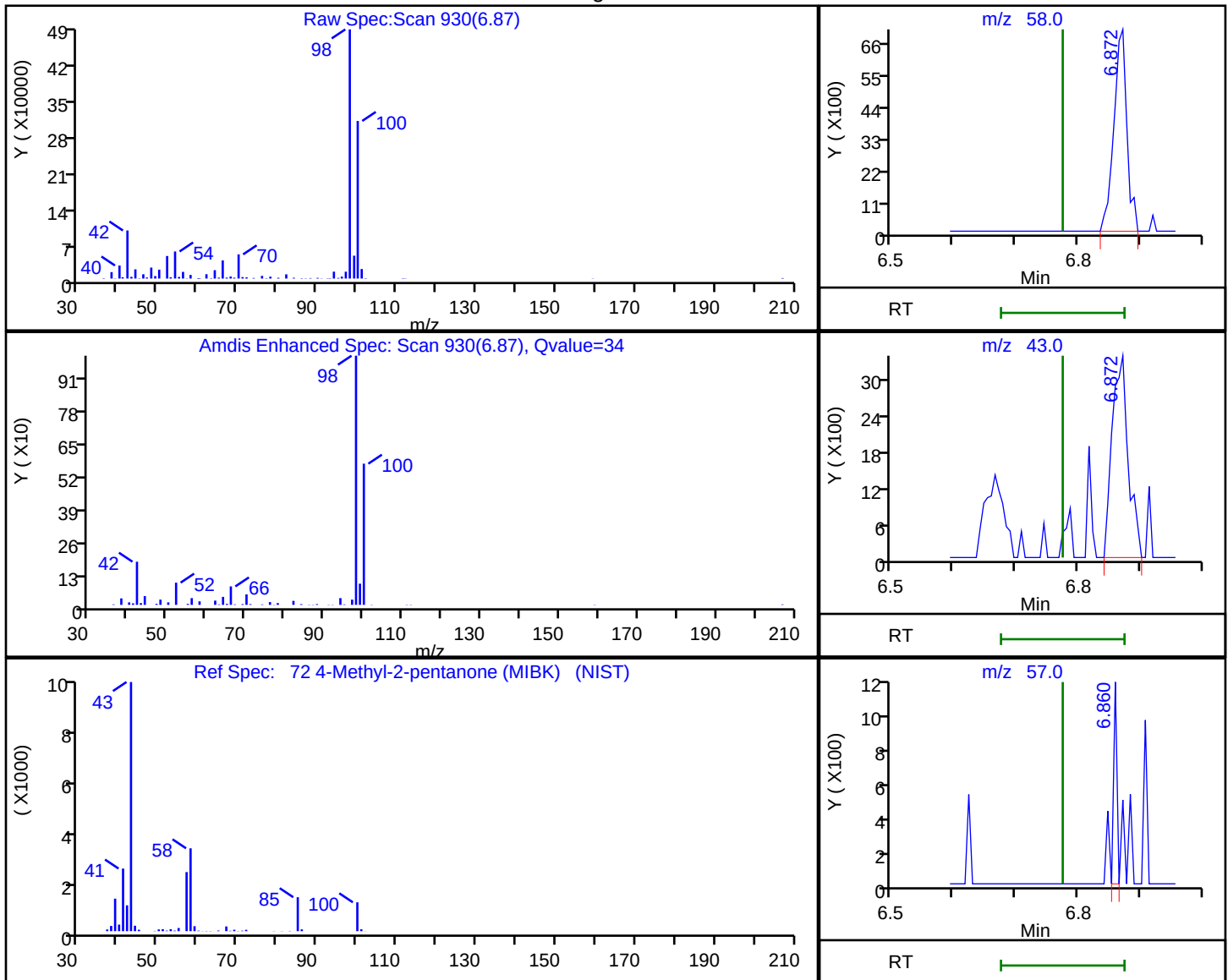
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.87	58.00	10306	1.467266
6.87	43.00	6024	
6.86	57.00	408	

Reviewer: moffata, 22-Jul-2018 13:53:12

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1720.D

Injection Date: 22-Jul-2018 06:30:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-12

Lab Sample ID: 480-138931-12

Client ID: MW-13D

Operator ID: LH

ALS Bottle#: 21 Worklist Smp#: 41

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

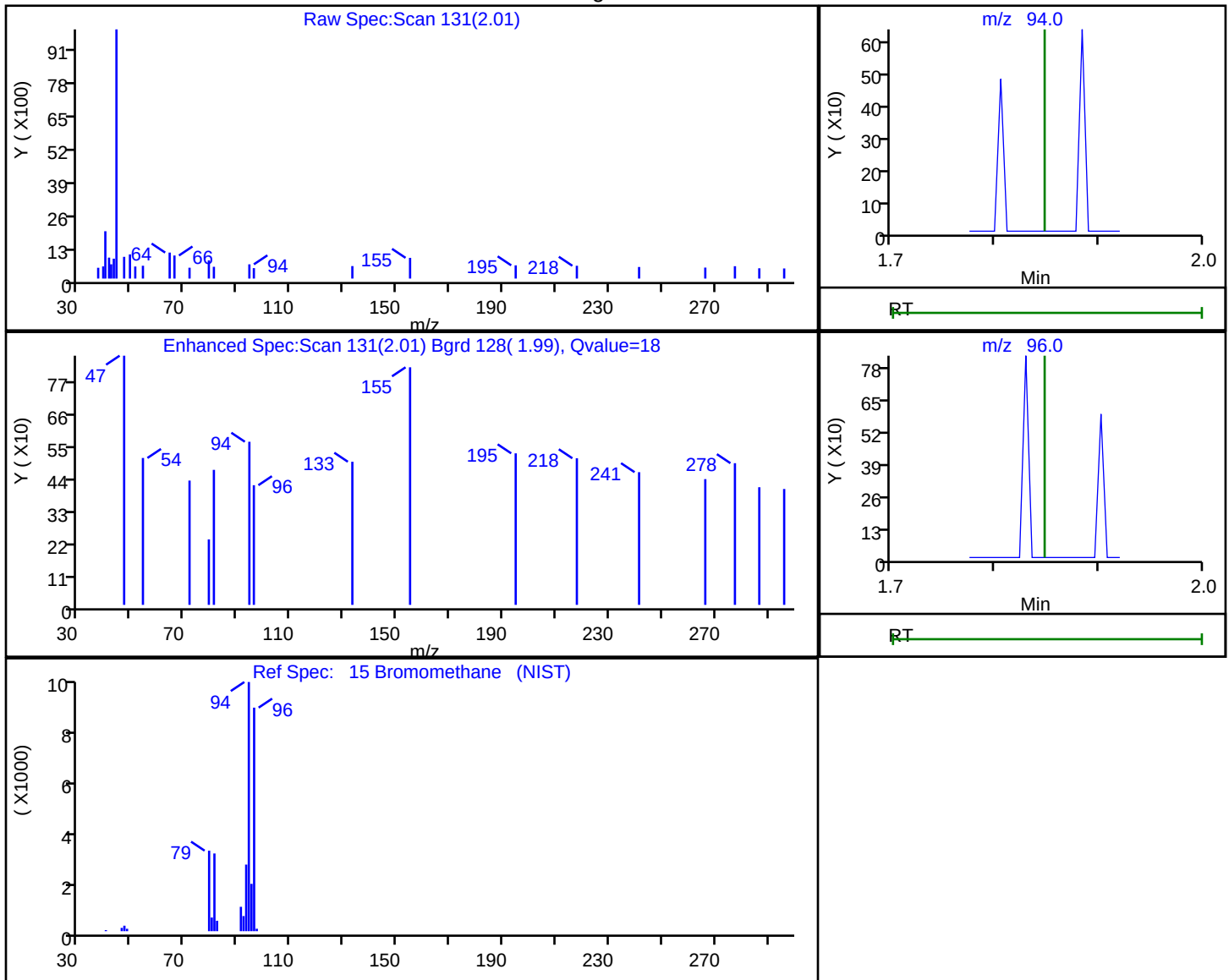
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

15 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.01	94.00	205	0.024766
1.85	96.00	0	

Reviewer: moffata, 22-Jul-2018 13:52:59

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1720.D

Injection Date: 22-Jul-2018 06:30:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-12

Lab Sample ID: 480-138931-12

Client ID: MW-13D

Operator ID: LH

ALS Bottle#: 21 Worklist Smp#: 41

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

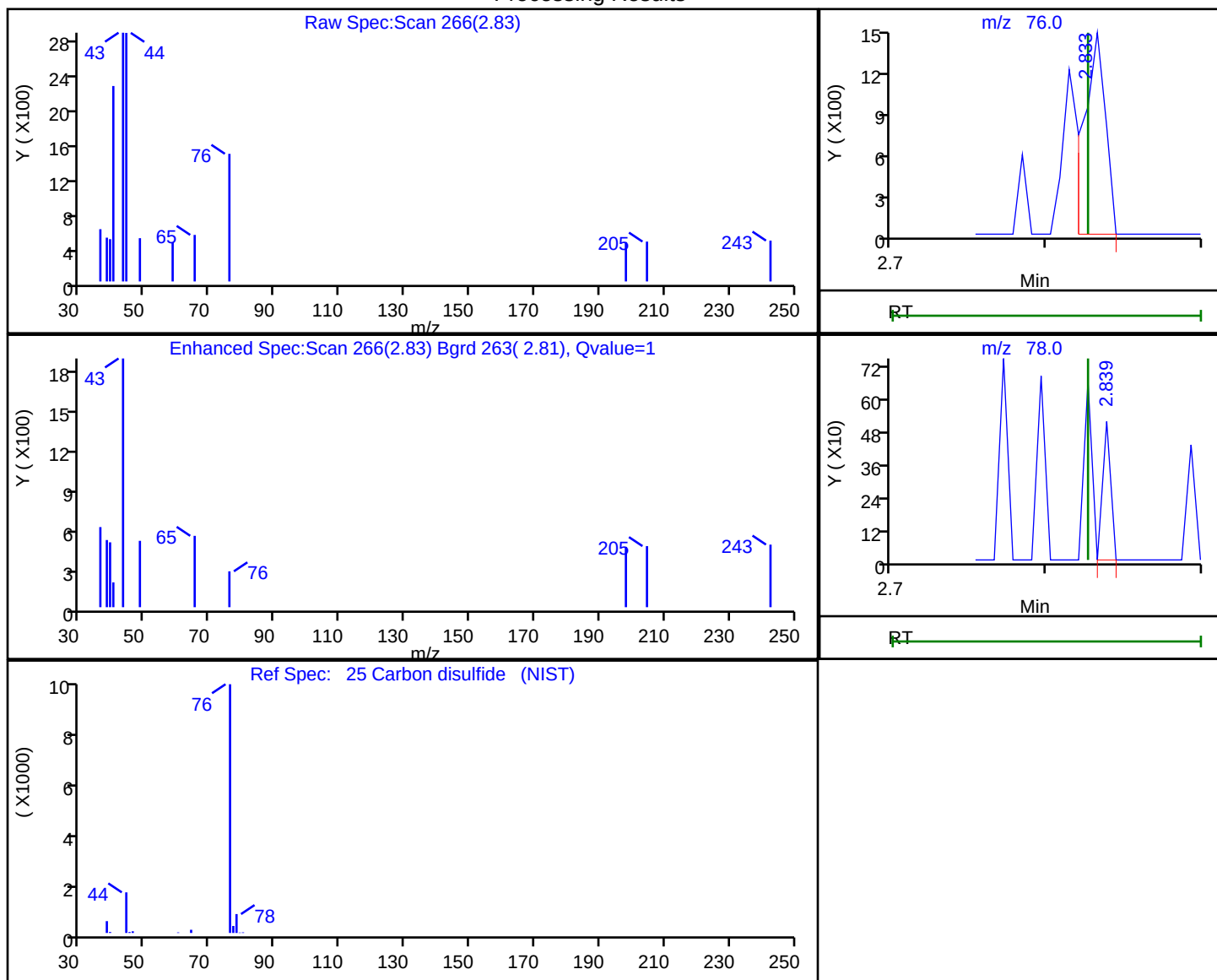
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.83	76.00	1408	0.049366
2.84	78.00	188	

Reviewer: moffata, 22-Jul-2018 13:53:02

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1720.D

Injection Date: 22-Jul-2018 06:30:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-12

Lab Sample ID: 480-138931-12

Client ID: MW-13D

Operator ID: LH

ALS Bottle#: 21 Worklist Smp#: 41

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

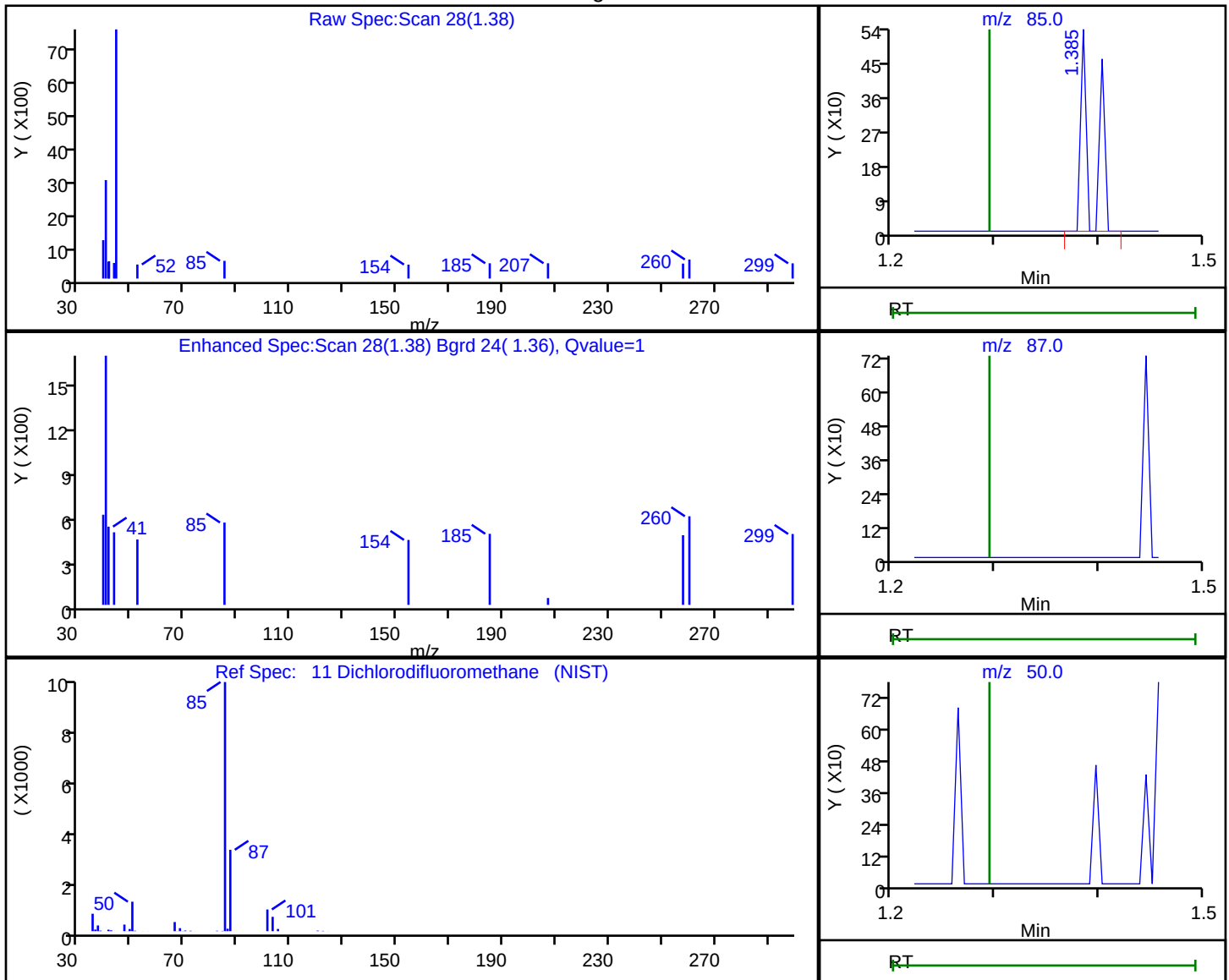
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

11 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.38	85.00	365	0.032513
1.29	87.00	0	
1.29	50.00	0	

Reviewer: moffata, 22-Jul-2018 13:52:57

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1720.D

Injection Date: 22-Jul-2018 06:30:30

Instrument ID: HP5973N

Lims ID: 480-138931-A-12

Lab Sample ID: 480-138931-12

Client ID: MW-13D

Operator ID: LH

ALS Bottle#: 21 Worklist Smp#: 41

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

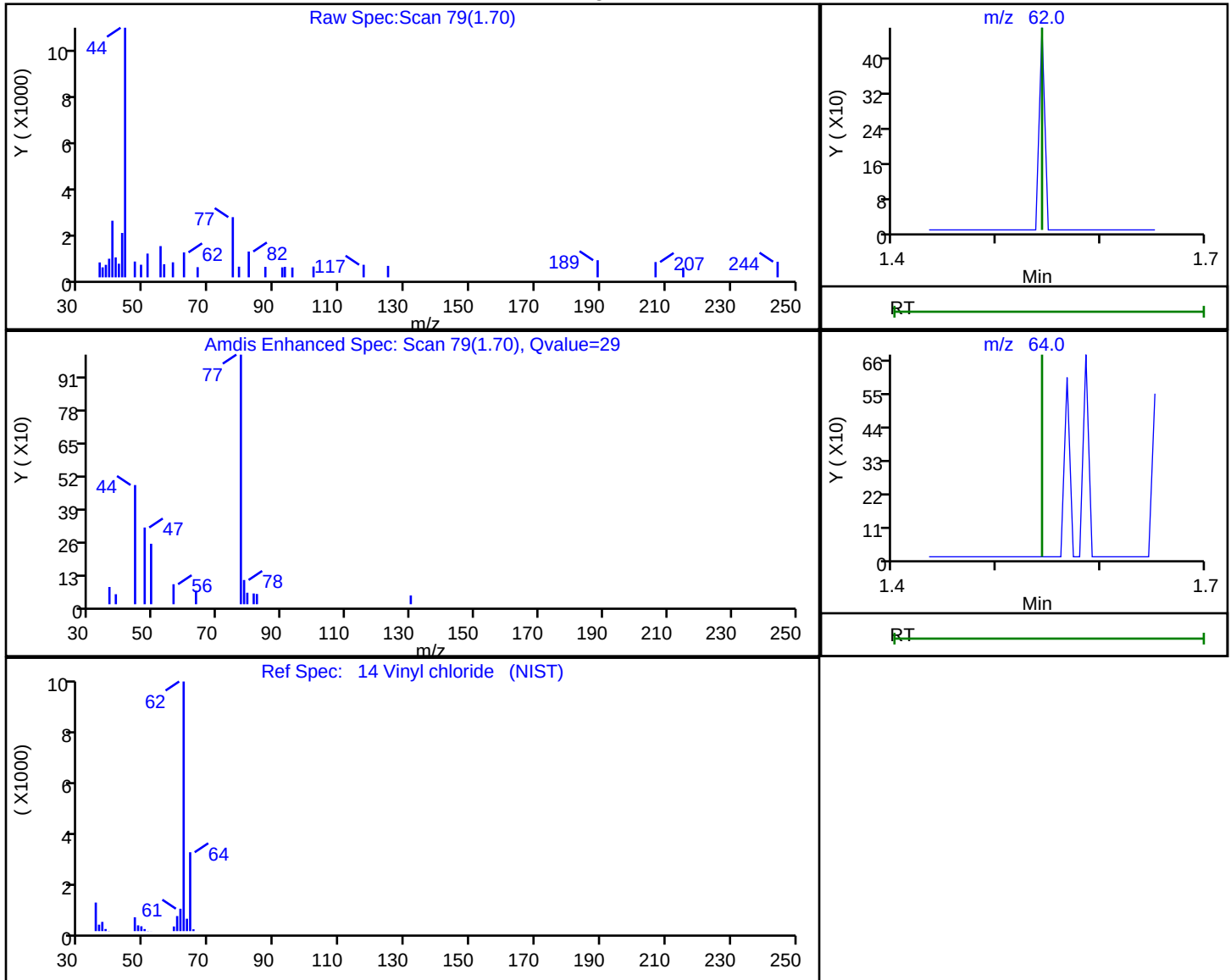
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.70	62.00	594	0.036267
1.54	64.00	0	

Reviewer: moffata, 22-Jul-2018 13:52:58

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 419847

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2018 13:52 Calibration End Date: 06/15/2018 17:01 Calibration ID: 34080

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-419847/7	N0609.D
Level 2	IC 480-419847/8	N0610.D
Level 3	IC 480-419847/9	N0611.D
Level 4	IC 480-419847/10	N0612.D
Level 5	IC 480-419847/11	N0613.D
Level 6	ICIS 480-419847/12	N0614.D
Level 7	IC 480-419847/13	N0615.D
Level 8	IC 480-419847/14	N0616.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	1.6048 1.5283	1.1716 1.5152	1.5672 1.6367	1.6745	1.3077	Ave		1.5008			0.1000	11.6		20.0			
Chloromethane	2.2119 2.0008	1.9999 2.0197	2.2080 2.0954	2.0322	2.0349	Ave		2.0754			0.1000	4.3		20.0			
Vinyl chloride	2.1009 1.6138	1.7831 1.5765	1.9150 1.6734	1.7073	1.5508	Ave		1.7401			0.1000	10.8		20.0			
Butadiene	2.0592 1.5910	2.0324 1.6016	1.8293 1.7158	1.8317	1.5456	Ave		1.7758				11.1		20.0			
Bromomethane	0.9064 0.9143	1.0918 0.8592	1.0678 0.8929	1.0164	0.9133	Ave		0.9578			0.1000	9.2		20.0			
Chloroethane	0.8162 0.8486	1.0764 0.8481	0.7968 0.8725	0.9215	0.8422	Ave		0.8778			0.1000	10.1		20.0			
Trichlorofluoromethane	1.8982 1.9653	1.8627 1.9673	1.9899 2.1008	2.0747	1.9855	Ave		1.9805			0.1000	4.0		20.0			
Dichlorofluoromethane	++++ 2.1442	2.1411 2.1008	2.3486 2.1623	2.2270	2.0158	Ave		2.1628				4.8		20.0			
Ethyl ether	1.6917 1.5598	1.7078 1.4684	1.4667 1.5556	1.5609	1.5905	Ave		1.5752				5.6		20.0			
Acrolein	0.3476 0.2785	0.2491 0.2653	0.2617 0.2880	0.2793	0.2584	Ave		0.2785				11.0		20.0			
1,1-Dichloroethene	++++ 1.1988	1.2206 1.1753	1.2936 1.3185	1.5260	1.3804	Ave		1.3019			0.1000	9.4		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 1.1420	0.8867 1.1113	1.1469 1.3227	1.3124	1.3597	Ave		1.1831			0.1000	13.9		20.0			
Acetone	++++ 0.4975	0.5579 0.4183	0.5499 0.5466	0.5118	0.4275	Ave		0.5014			0.1000	11.5		20.0			
Iodomethane	1.8171 2.4486	2.1928 2.3655	2.5253 2.5333	2.6747	2.5914	Ave		2.3936				11.5		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 419847
SDG No.: _____
Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/15/2018 13:52 Calibration End Date: 06/15/2018 17:01 Calibration ID: 34080

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	3.2860 4.0695	3.0269 3.9494	4.5273 4.3129	4.3488	4.6160	Ave		4.0171			0.1000	14.4		20.0			
Allyl chloride	2.4593 2.8111	3.0102 2.7053	2.8031 2.9608	2.9076	3.0227	Ave		2.8350				6.6		20.0			
Methyl acetate	++++ 1.8091	2.0088 1.5434	1.6359 1.7646	1.7578	1.6729	Ave		1.7418			0.1000	8.5		20.0			
Methylene Chloride	++++ 1.5791	2.7929 1.5130	2.1521 1.5640	1.8937	1.7151	Lin1	1.3234	1.5336			0.1000				0.9990		0.9900
2-Methyl-2-propanol	0.1199 0.1188	0.1263 0.1054	0.1088 0.1492	0.1102	0.1107	Ave		0.1186				11.9		20.0			
Methyl tert-butyl ether	4.8327 4.9655	4.5081 4.8156	4.4435 4.9891	5.0514	5.1204	Ave		4.8408			0.1000	5.1		20.0			
trans-1,2-Dichloroethene	1.5199 1.5107	1.5175 1.3949	1.6687 1.5080	1.6299	1.5428	Ave		1.5365			0.1000	5.4		20.0			
Acrylonitrile	0.7431 0.8240	0.6626 0.8254	0.7871 0.9170	0.7863	0.9138	Ave		0.8074				10.5		20.0			
Hexane	2.6069 2.2365	2.0747 2.0653	2.4798 2.5289	2.5866	2.6737	Ave		2.4065				10.2		20.0			
1,1-Dichloroethane	2.9462 2.9170	2.7343 2.7497	2.6078 2.9856	3.0422	3.1274	Ave		2.8888			0.2000	6.1		20.0			
Vinyl acetate	2.9655 3.2711	3.1360 3.1518	2.7969 3.4483	3.4903	3.3959	Ave		3.2070				7.6		20.0			
2,2-Dichloropropane	2.1222 1.8639	1.8183 1.7891	1.9908 1.9196	2.2054	1.9785	Ave		1.9610				7.4		20.0			
cis-1,2-Dichloroethene	1.4577 1.6965	1.6211 1.6086	1.7473 1.7365	1.7801	1.8356	Ave		1.6854			0.1000	7.1		20.0			
2-Butanone (MEK)	0.8229 1.0124	0.7832 0.9452	0.7833 1.1499	0.9278	0.9273	Ave		0.9190			0.1000	13.6		20.0			
Chlorobromomethane	0.8786 0.8990	0.7456 0.8332	0.8539 0.9098	0.9079	0.8977	Ave		0.8657				6.4		20.0			
Tetrahydrofuran	0.8352 0.6705	0.7770 0.6726	0.5651 0.7683	0.7400	0.6491	Ave		0.7097				12.2		20.0			
Chloroform	2.9185 2.6327	2.3656 2.5401	2.6039 2.7147	2.7395	2.8947	Ave		2.6762			0.2000	6.8		20.0			
1,1,1-Trichloroethane	2.2057 2.1185	2.1466 2.1122	2.2225 2.3027	2.3520	2.3853	Ave		2.2307			0.1000	4.7		20.0			
Cyclohexane	2.6859 2.5595	2.5093 2.4750	2.7811 2.8479	2.6001	2.9419	Ave		2.6751			0.1000	6.3		20.0			
Carbon tetrachloride	1.7300 1.8293	1.6678 1.8432	1.8448 2.0888	2.0838	2.0804	Ave		1.8960			0.1000	8.8		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.: 480-138781-1 Analy Batch No.: 419847
SDG No.: _____
Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/15/2018 13:52 Calibration End Date: 06/15/2018 17:01 Calibration ID: 34080

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	2.0671 1.8868	1.5960 1.8192	1.8077 2.0385	2.2431	2.1721	Ave		1.9538				11.0		20.0			
Isobutyl alcohol	++++ 0.0875	0.1269 0.0838	0.0933 0.1023	0.1070	0.0944	Ave		0.0993				14.7		20.0			
Benzene	5.1455 5.6934	5.5007 5.4327	5.8124 5.9556	5.9842	6.1070	Ave		5.7039			0.5000	5.7		20.0			
1,2-Dichloroethane	2.8551 2.4837	2.4382 2.3569	2.5811 2.5576	2.5984	2.6135	Ave		2.5606			0.1000	5.8		20.0			
n-Heptane	2.0454 2.4604	2.1602 2.3806	2.0905 2.7707	2.6534	2.9364	Ave		2.4372				13.5		20.0			
Trichloroethene	1.3304 1.5472	1.4559 1.4839	1.5763 1.6369	1.6891	1.6758	Ave		1.5494			0.2000	7.9		20.0			
Methylcyclohexane	1.9020 2.4372	2.0119 2.3402	2.5818 2.6403	2.8210	2.9043	Ave		2.4548			0.1000	14.6		20.0			
1,2-Dichloropropane	1.5223 1.5512	1.4347 1.4819	1.5488 1.5972	1.5870	1.6750	Ave		1.5498			0.1000	4.8		20.0			
Dibromomethane	1.0011 1.0164	0.9821 1.0086	1.0108 1.0844	1.0341	1.0922	Ave		1.0287			0.1000	3.8		20.0			
1,4-Dioxane	0.0046 0.0053	0.0039 0.0050	0.0048 0.0051	0.0059	0.0058	Ave		0.0051				13.0		20.0			
Bromodichloromethane	1.4933 1.9495	1.6430 1.9155	1.9117 2.1655	2.0405	2.1662	Ave		1.9106			0.2000	12.4		20.0			
2-Chloroethyl vinyl ether	0.9236 1.1111	0.9794 1.0832	0.9395 1.2494	1.0778	1.0895	Ave		1.0567				10.1		20.0			
cis-1,3-Dichloropropene	2.0722 2.2523	1.9617 2.2042	1.9596 2.4515	2.2758	2.4095	Ave		2.1983			0.2000	8.5		20.0			
4-Methyl-2-pentanone (MIBK)	0.1806 0.2102	0.1892 0.1996	0.1843 0.2126	0.2148	0.2068	Ave		0.1998			0.1000	6.7		20.0			
Toluene	0.9226 0.9656	0.9220 0.8945	0.9412 0.9700	1.0396	1.0525	Ave		0.9635			0.4000	5.9		20.0			
trans-1,3-Dichloropropene	0.4771 0.5520	0.4719 0.5423	0.4397 0.5796	0.5192	0.5477	Ave		0.5162			0.1000	9.4		20.0			
Ethyl methacrylate	0.5066 0.4971	0.4008 0.4872	0.4340 0.5063	0.4756	0.4875	Ave		0.4744				8.0		20.0			
1,1,2-Trichloroethane	0.2481 0.2824	0.2412 0.2714	0.2641 0.2829	0.3048	0.2916	Ave		0.2733			0.1000	7.9		20.0			
Tetrachloroethene	0.4213 0.4130	0.3975 0.3984	0.4163 0.4323	0.4514	0.4493	Ave		0.4224			0.2000	4.9		20.0			
1,3-Dichloropropane	0.5712 0.5958	0.5815 0.5577	0.5554 0.5912	0.6247	0.6275	Ave		0.5881				4.7		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.: 480-138781-1 Analy Batch No.: 419847
SDG No.: _____
Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/15/2018 13:52 Calibration End Date: 06/15/2018 17:01 Calibration ID: 34080

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	0.3478 0.3958	0.3081 0.3688	0.3373 0.4018	0.3867	0.4013	Ave		0.3685			0.1000	9.4		20.0			
Dibromochloromethane	0.3402 0.4082	0.3505 0.3932	0.3714 0.4290	0.3982	0.4022	Ave		0.3866			0.1000	7.8		20.0			
1,2-Dibromoethane	0.3012 0.3891	0.3302 0.3653	0.3259 0.3846	0.3830	0.3974	Ave		0.3596				9.9		20.0			
Chlorobenzene	1.0865 1.1191	0.9992 1.0606	1.0732 1.1300	1.1284	1.1709	Ave		1.0960			0.5000	4.8		20.0			
1,1,1,2-Tetrachloroethane	0.4171 0.4169	0.3755 0.3945	0.3594 0.4107	0.3893	0.4186	Ave		0.3977				5.5		20.0			
Ethylbenzene	1.8094 1.7469	1.5899 1.6899	1.7134 1.8003	1.9358	1.9547	Ave		1.7800			0.1000	6.9		20.0			
m,p-Xylene	0.6846 0.7057	0.5513 0.6725	0.6729 0.7070	0.7233	0.7031	Ave		0.6775			0.1000	8.0		20.0			
o-Xylene	0.7000 0.7053	0.7426 0.6785	0.6542 0.7026	0.7259	0.7290	Ave		0.7048			0.3000	4.1		20.0			
Styrene	0.9654 1.1772	1.0483 1.1292	1.1081 1.1765	1.2358	1.2483	Ave		1.1361			0.3000	8.4		20.0			
Bromoform	0.2030 0.2602	0.2912 0.2545	0.2085 0.2890	0.2420	0.2485	Ave		0.2496			0.1000	13.0		20.0			
Isopropylbenzene	3.2904 3.5893	3.1746 3.6430	3.5630 3.8478	3.7429	3.8268	Ave		3.5847			0.1000	6.8		20.0			
Bromobenzene	0.9130 0.9021	0.9195 0.9195	0.9208 0.9777	0.9133	0.9788	Ave		0.9306				3.2		20.0			
1,1,2,2-Tetrachloroethane	0.9473 0.9714	0.8457 0.9497	0.9744 0.9742	0.9609	0.9695	Ave		0.9491			0.3000	4.5		20.0			
1,2,3-Trichloropropane	0.2497 0.3174	0.3531 0.3151	0.3411 0.3195	0.3093	0.3396	Ave		0.3181				9.9		20.0			
trans-1,4-Dichloro-2-butene	0.3513 0.3564	0.3902 0.3628	0.2976 0.3910	0.3298	0.3422	Ave		0.3527				8.7		20.0			
N-Propylbenzene	3.3798 4.0972	3.7975 4.1526	4.0210 4.3493	4.4596	4.3999	Ave		4.0821				8.8		20.0			
2-Chlorotoluene	0.6520 0.8807	0.6838 0.8805	0.8530 0.9374	0.9463	0.9558	Ave		0.8487				13.9		20.0			
1,3,5-Trimethylbenzene	2.5906 2.9427	2.5213 2.9675	2.9013 3.0974	3.0037	3.0881	Ave		2.8891				7.5		20.0			
4-Chlorotoluene	2.4550 2.7955	2.4690 2.7296	2.6491 2.8758	2.9453	2.8659	Ave		2.7232				6.8		20.0			
tert-Butylbenzene	0.6776 0.6972	0.6604 0.6950	0.6774 0.7343	0.6922	0.7275	Ave		0.6952				3.6		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.: 480-138781-1 Analy Batch No.: 419847
SDG No.: _____
Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/15/2018 13:52 Calibration End Date: 06/15/2018 17:01 Calibration ID: 34080

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	2.6439 3.0364	2.8311 3.0707	2.9873 3.1739	3.2054	3.1842	Ave		3.0166				6.5		20.0			
sec-Butylbenzene	3.4237 3.8488	3.3612 3.8366	3.8152 3.9828	3.8934	4.0777	Ave		3.7799				6.7		20.0			
1,3-Dichlorobenzene	1.5863 1.7526	1.7422 1.7444	1.6580 1.8047	1.7945	1.8031	Ave		1.7357			0.6000	4.4		20.0			
4-Isopropyltoluene	2.8244 3.3607	2.8682 3.3185	3.2989 3.3854	3.4024	3.6243	Ave		3.2604				8.4		20.0			
1,4-Dichlorobenzene	1.4802 1.7607	1.6854 1.7500	1.8003 1.8140	1.8392	1.8569	Ave		1.7483			0.5000	6.9		20.0			
n-Butylbenzene	2.7218 2.9981	2.5849 2.9107	3.0636 2.9143	3.1934		Ave		2.8984				6.7		20.0			
1,2-Dichlorobenzene	1.7090 1.7108	1.4779 1.7042	1.5746 1.7306	1.7704	1.7740	Ave		1.6814			0.4000	6.1		20.0			
1,2-Dibromo-3-Chloropropane	0.1344 0.1950	0.1323 0.2037	0.1627 0.2196	0.2012	0.1950	Ave		0.1805			0.0500	18.3		20.0			
1,2,4-Trichlorobenzene	0.9588 1.2311	0.9087 1.2125	1.0761 1.1990	1.1781	1.2236	Ave		1.1235			0.2000	11.3		20.0			
Hexachlorobutadiene	0.5993 0.5124	0.4826 0.5016	0.4959 0.4798	0.5312	0.5847	Ave		0.5235				8.7		20.0			
Naphthalene	2.6492 3.6466	2.7445 3.6412	2.9038 3.7584	3.3682	3.4820	Ave		3.2742				13.5		20.0			
1,2,3-Trichlorobenzene	0.8392 1.1135	0.8994 1.1052	0.9519 1.1128	1.1482	1.0879	Ave		1.0323				11.4		20.0			
Dibromofluoromethane (Surr)	1.4242 1.4375	1.4388 1.3943	1.4034 1.4446	1.4279	1.4593	Ave		1.4288				1.5		20.0			
1,2-Dichloroethane-d4 (Surr)	1.8327 1.7467	1.8545 1.7131	1.7336 1.7690	1.7945	1.7946	Ave		1.7798				2.7		20.0			
Toluene-d8 (Surr)	1.3504 1.3143	1.2886 1.2794	1.3087 1.2913	1.3746	1.3444	Ave		1.3190				2.6		20.0			
4-Bromofluorobenzene (Surr)	0.4209 0.4080	0.4116 0.3916	0.4087 0.4020	0.4265	0.4240	Ave		0.4117				2.9		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 419847

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2018 13:52 Calibration End Date: 06/15/2018 17:01 Calibration ID: 34080

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-419847/7	N0609.D
Level 2	IC 480-419847/8	N0610.D
Level 3	IC 480-419847/9	N0611.D
Level 4	IC 480-419847/10	N0612.D
Level 5	IC 480-419847/11	N0613.D
Level 6	ICIS 480-419847/12	N0614.D
Level 7	IC 480-419847/13	N0615.D
Level 8	IC 480-419847/14	N0616.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	6707 319774	9545 657528	26117 1390682	68855	110099	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	9244 418638	16293 876454	36796 1780451	83566	171322	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	8780 337661	14527 684112	31913 1421907	70203	130563	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	8606 332885	16558 695038	30485 1457946	75318	130125	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3788 191300	8895 372837	17795 758729	41794	76892	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	3411 177558	8769 368033	13279 741369	37891	70907	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	7933 411209	15175 853724	33160 1785046	85312	167163	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	++++ 448648	17443 911652	39139 1837338	91573	169715	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	7070 326365	13913 637232	24441 1321838	64186	133906	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	7263 291397	10146 575599	21808 1223513	57416	108763	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	++++ 250826	9944 510028	21557 1120375	62751	116216	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 238951	7224 482263	19112 1123893	53966	114473	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	++++ 520431	22724 907666	45821 2322360	105224	179950	++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	7594 512336	17864 1026527	42083 2152554	109983	218174	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	13733 851468	24660 1713849	75445 3664680	178823	388626	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 419847

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2018 13:52 Calibration End Date: 06/15/2018 17:01 Calibration ID: 34080

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	10278 588173	24524 1173991	46712 2515834	119560	254490	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	++++ 757068	32730 1339552	54523 2998714	144563	281694	++++ 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	++++ 330401	22753 656584	35863 1328951	77869	144396	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	5010 248467	10287 457254	18137 1267574	45314	93203	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	20197 1038953	36727 2089723	74049 4239234	207713	431095	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	6352 316095	12363 605317	27808 1281314	67022	129889	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	31056 1724190	53981 3581632	131174 7792194	323306	769339	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	10895 467950	16902 896243	41324 2148797	106360	225103	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	12313 610341	22276 1193228	43458 2536912	125094	263304	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	24787 1368862	51097 2735457	93218 5859986	287039	571819	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	8869 389996	14813 776390	33175 1631081	90686	166572	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	6092 354967	13207 698069	29118 1475550	73196	154543	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	17196 1059148	31904 2050834	65267 4885164	190756	390353	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	3672 188103	6074 361579	14230 773025	37331	75577	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	6981 280599	12661 583756	18835 1305592	60859	109305	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	12197 550860	19272 1102273	43392 2306711	112648	243709	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	9218 443261	17488 916610	37037 1956580	96715	200819	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	11225 535534	20443 1074024	46345 2419845	106915	247681	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	7230 382759	13587 799858	30743 1774881	85685	175156	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	8639 394792	13002 789442	30124 1732109	92236	182874	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	++++ 457534	25844 908655	38851 2173699	109948	198597	++++ 625	25.0 1250	50.0 2500	125	250

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 419847

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2018 13:52 Calibration End Date: 06/15/2018 17:01 Calibration ID: 34080

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	21504 1191244	44813 2357523	96861 5060498	246072	514157	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	11932 519669	19864 1022784	43013 2173200	106848	220037	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	8548 514789	17599 1033063	34837 2354295	109109	247221	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	5560 323730	11861 643925	26268 1390846	69454	141091	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	7949 509949	16391 1015519	43024 2243491	115998	244516	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	6362 324571	11688 643092	25810 1357177	65257	141024	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	4184 212662	8001 437699	16844 921412	42522	91957	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	1471 82919	2487 163759	5905 342375	17856	37835	10.0 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	6241 407894	13385 831223	31858 1840007	83905	182374	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3860 232484	7979 470078	15657 1061648	44321	91725	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	8660 471254	15982 956521	32655 2083048	93581	202859	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	14318 824029	30063 1642954	57205 3584805	161574	335697	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	14631 757033	29298 1472318	58432 3270917	156393	341768	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	7566 432724	14997 892700	27295 1954458	78105	177851	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	8034 389723	12737 801944	26940 1707452	71542	158313	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	3934 221383	7666 446685	16394 953889	45850	94707	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	6682 323802	12632 655818	25843 1457738	67902	145901	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	9058 467122	18480 917996	34479 1993616	93981	203774	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	27580 1551654	48957 3034821	104708 6774830	290884	651642	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	5396 320008	11137 647139	23057 1446676	59905	130600	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	4777 305051	10492 601230	20231 1296788	57623	129055	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 419847

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2018 13:52 Calibration End Date: 06/15/2018 17:01 Calibration ID: 34080

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	17231 877373	31751 1745725	66622 3810550	169749	380244	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	6615 326836	11932 649362	22310 1384864	58558	135940	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	28695 1369564	50521 2781536	106368 6070913	291205	634760	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	10857 553246	17518 1106925	41776 2383996	108808	228330	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	11102 552920	23599 1116770	40613 2369117	109200	236716	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	15311 922922	33313 1858717	68788 3967232	185906	405355	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	3219 204005	9252 418982	12946 974522	36405	80703	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	26824 1435122	51845 2899883	113200 6215157	296277	636585	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	7443 360702	15017 731891	29254 1579153	72294	162827	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	7723 388414	13811 755997	30957 1573575	76062	161270	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	2036 126923	5767 250823	10836 516037	24484	56499	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	2864 142512	6373 288781	9456 631485	26107	56922	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	27553 1638178	62018 3305485	127750 7025157	353011	731916	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	5315 352147	11167 700880	27100 1514199	74905	159001	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	21119 1176597	41177 2362171	92177 5003044	237765	513699	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	20014 1117743	40322 2172778	84162 4645073	233144	476739	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	5524 278773	10786 553208	21522 1186151	54794	121026	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	21554 1214036	46235 2444341	94907 5126631	253728	529692	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	27911 1538864	54893 3053936	121210 6433230	308191	678321	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	12932 700737	28452 1388568	52675 2915000	142051	299942	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	23025 1343714	46841 2641568	104809 5468310	269325	602899	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 419847

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2018 13:52 Calibration End Date: 06/15/2018 17:01 Calibration ID: 34080

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	12067 703970	27525 1393050	57197 2930013	145588	308891	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	22189 1198747	42215 2316962	88976 4707291	242506	531221	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	13932 684047	24136 1356591	50025 2795258	140141	295098	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1096 77949	2161 162144	5169 354748	15925	32432	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	7816 492214	14840 965139	34189 1936750	93254	203547	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	4886 204880	7882 399315	15756 774991	42048	97265	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	21597 1458006	44822 2898399	92256 6070746	266616	579219	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	6841 445208	14689 879783	30242 1797508	90886	180967	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	297599 300779	293033 302536	292346 306861	293581	307152	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	382956 365472	377715 371695	361111 375772	368947	377733	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	1070806 1030393	1023685 1052987	1015521 1088579	1033952	1091397	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	333767 319872	327001 322288	317150 338909	320763	344241	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\HP5973N\20180615-72372.b\N0609.D
 Lims ID: IC 0.5
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 15-Jun-2018 13:52:30 ALS Bottle#: 3 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.5
 Misc. Info.: 480-0072372-007
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jun-2018 12:44:02 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK052

First Level Reviewer: HillL

Date: 18-Jun-2018 12:35:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.357	0.001	98	208961	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.338	0.001	88	792950	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.741	0.001	96	407612	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.761	4.768	-0.007	92	297599	25.0	24.9	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.066	5.066	0.000	0	382956	25.0	25.7	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	1070806	25.0	25.6	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	90	333767	25.0	25.6	
11 Dichlorodifluoromethane	85	1.300	1.300	0.000	66	6707	0.5000	0.5347	
13 Chloromethane	50	1.464	1.464	0.000	49	9244	0.5000	0.5329	M
14 Vinyl chloride	62	1.561	1.549	0.012	31	8780	0.5000	0.6037	
144 Butadiene	54	1.592	1.574	0.018	46	8606	0.5000	0.5798	M
15 Bromomethane	94	1.860	1.854	0.006	23	3788	0.5000	0.4732	
16 Chloroethane	64	1.951	1.951	0.000	23	3411	0.5000	0.4649	M
17 Dichlorofluoromethane	67	2.139	2.146	-0.007	29	6408	0.5000	0.3545	Ma
18 Trichlorofluoromethane	101	2.145	2.152	-0.007	23	7933	0.5000	0.4792	
19 Ethyl ether	59	2.425	2.431	-0.006	85	7070	0.5000	0.5370	
20 Acrolein	56	2.596	2.584	0.012	49	7263	2.50	3.12	
22 1,1-Dichloroethene	96	2.632	2.632	0.000	61	4061	0.5000	0.3732	
21 1,1,2-Trichloro-1,2,2-trif	101	2.675	2.663	0.012	1	2067	0.5000	0.2090	Ma
23 Acetone	43	2.742	2.742	0.000	71	14360	2.50	3.43	M
24 Iodomethane	142	2.778	2.778	0.000	71	7594	0.5000	0.3796	
25 Carbon disulfide	76	2.821	2.827	-0.006	95	13733	0.5000	0.4090	
27 3-Chloro-1-propene	41	2.985	2.991	-0.006	85	10278	0.5000	0.4337	
28 Methyl acetate	43	3.034	3.034	0.000	84	20303	1.00	1.39	
30 Methylene Chloride	84	3.125	3.125	0.000	94	19748	0.5000	0.6777	
31 2-Methyl-2-propanol	59	3.289	3.289	0.000	52	5010	5.00	5.05	
33 trans-1,2-Dichloroethene	96	3.356	3.356	0.000	66	6352	0.5000	0.4946	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	95	20197	0.5000	0.4992	
34 Acrylonitrile	53	3.387	3.380	0.007	99	31056	5.00	4.60	M
35 Hexane	57	3.587	3.575	0.012	86	10895	0.5000	0.5416	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	3.758	3.764	-0.006	41	12313	0.5000	0.5099	M
39 Vinyl acetate	43	3.825	3.819	0.006	97	24787	1.00	0.9247	M
42 2,2-Dichloropropane	77	4.281	4.281	0.000	65	8869	0.5000	0.5411	
43 cis-1,2-Dichloroethene	96	4.305	4.305	0.000	83	6092	0.5000	0.4324	
44 2-Butanone (MEK)	43	4.354	4.336	0.018	99	17196	2.50	2.24	
47 Chlorobromomethane	128	4.530	4.536	-0.006	83	3672	0.5000	0.5075	
49 Tetrahydrofuran	42	4.573	4.567	0.006	34	6981	1.00	1.18	
50 Chloroform	83	4.609	4.615	-0.006	95	12197	0.5000	0.5453	
51 1,1,1-Trichloroethane	97	4.743	4.737	0.006	35	9218	0.5000	0.4944	
52 Cyclohexane	56	4.768	4.761	0.007	32	11225	0.5000	0.5020	
53 Carbon tetrachloride	117	4.883	4.889	-0.006	72	7230	0.5000	0.4562	
54 1,1-Dichloropropene	75	4.889	4.895	-0.006	85	8639	0.5000	0.5290	M
56 Isobutyl alcohol	43	5.096	5.090	0.006	38	18672	12.5	22.5	
55 Benzene	78	5.090	5.090	0.000	90	21504	0.5000	0.4510	
57 1,2-Dichloroethane	62	5.139	5.139	0.000	95	11932	0.5000	0.5575	a
59 n-Heptane	43	5.291	5.303	-0.012	79	8548	0.5000	0.4196	M
60 Trichloroethene	95	5.704	5.698	0.006	92	5560	0.5000	0.4293	
62 Methylcyclohexane	83	5.832	5.838	-0.006	88	7949	0.5000	0.3874	
63 1,2-Dichloropropane	63	5.936	5.923	0.013	81	6362	0.5000	0.4911	M
64 Dibromomethane	93	6.075	6.051	0.024	34	4184	0.5000	0.4866	M
66 1,4-Dioxane	88	6.197	6.069	0.128	0	1471	10.0	9.18	M
67 Dichlorobromomethane	83	6.215	6.209	0.006	55	6241	0.5000	0.3908	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	27	3860	0.5000	0.4370	
71 cis-1,3-Dichloropropene	75	6.641	6.629	0.012	85	8660	0.5000	0.4713	M
72 4-Methyl-2-pentanone (MIBK)	58	6.781	6.775	0.006	98	14318	2.50	2.26	M
73 Toluene	92	6.933	6.933	0.000	96	14631	0.5000	0.4788	
75 trans-1,3-Dichloropropene	75	7.195	7.189	0.006	95	7566	0.5000	0.4621	
77 Ethyl methacrylate	69	7.268	7.256	0.012	36	8034	0.5000	0.5339	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	87	3934	0.5000	0.4538	
79 Tetrachloroethene	166	7.469	7.469	0.000	87	6682	0.5000	0.4987	
80 1,3-Dichloropropane	76	7.542	7.536	0.006	62	9058	0.5000	0.4856	
82 2-Hexanone	43	7.621	7.615	0.006	96	27580	2.50	2.36	
83 Chlorodibromomethane	129	7.779	7.773	0.006	30	5396	0.5000	0.4400	
84 Ethylene Dibromide	107	7.882	7.882	0.000	91	4777	0.5000	0.4188	
85 Chlorobenzene	112	8.369	8.369	0.000	88	17231	0.5000	0.4957	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.460	0.006	42	6615	0.5000	0.5244	
88 Ethylbenzene	91	8.466	8.472	-0.006	98	28695	0.5000	0.5082	
90 m-Xylene & p-Xylene	106	8.588	8.594	-0.006	0	10857	0.5000	0.5052	M
91 o-Xylene	106	9.014	9.014	0.000	94	11102	0.5000	0.4967	
92 Styrene	104	9.044	9.044	0.000	86	15311	0.5000	0.4249	
93 Bromoform	173	9.275	9.269	0.006	41	3219	0.5000	0.4066	
95 Isopropylbenzene	105	9.409	9.403	0.006	95	26824	0.5000	0.4589	
97 Bromobenzene	156	9.738	9.744	-0.006	93	7443	0.5000	0.4906	
98 1,1,2,2-Tetrachloroethane	83	9.780	9.780	0.000	87	7723	0.5000	0.4991	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	38	2036	0.5000	0.3925	
101 trans-1,4-Dichloro-2-buten	53	9.829	9.835	-0.006	38	2864	0.5000	0.4981	M
100 N-Propylbenzene	91	9.841	9.835	0.006	96	27553	0.5000	0.4140	
102 2-Chlorotoluene	126	9.939	9.933	0.007	93	5315	0.5000	0.3841	
104 1,3,5-Trimethylbenzene	105	10.018	10.018	0.000	95	21119	0.5000	0.4483	
105 4-Chlorotoluene	91	10.042	10.048	-0.006	95	20014	0.5000	0.4508	
106 tert-Butylbenzene	134	10.340	10.340	0.000	90	5524	0.5000	0.4873	
108 1,2,4-Trimethylbenzene	105	10.389	10.389	0.000	95	21554	0.5000	0.4382	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	93	27911	0.5000	0.4529	
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	93	12932	0.5000	0.4570	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	96	23025	0.5000	0.4331	
113 1,4-Dichlorobenzene	146	10.766	10.760	0.006	88	12067	0.5000	0.4233	
115 n-Butylbenzene	91	11.082	11.082	0.000	96	22189	0.5000	0.4695	
116 1,2-Dichlorobenzene	146	11.119	11.113	0.006	93	13932	0.5000	0.5082	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.837	0.000	1	1096	0.5000	0.3724	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	87	7816	0.5000	0.4267	
120 Hexachlorobutadiene	225	12.658	12.652	0.006	85	4886	0.5000	0.5725	
121 Naphthalene	128	12.743	12.737	0.006	96	21597	0.5000	0.4046	
122 1,2,3-Trichlorobenzene	180	12.938	12.944	-0.006	89	6841	0.5000	0.4065	
S 126 Xylenes, Total	1				0			1.00	
S 123 1,3-Dichloropropene, Total	1				0			0.9334	
S 124 1,2-Dichloroethene, Total	1				0			0.9270	
S 125 Total BTEX	1				0			2.44	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00127

Amount Added: 0.50

Units: uL

GAS CORP mix_00286

Amount Added: 0.50

Units: uL

N_8260_Surr_00332

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00117

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 0.5

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

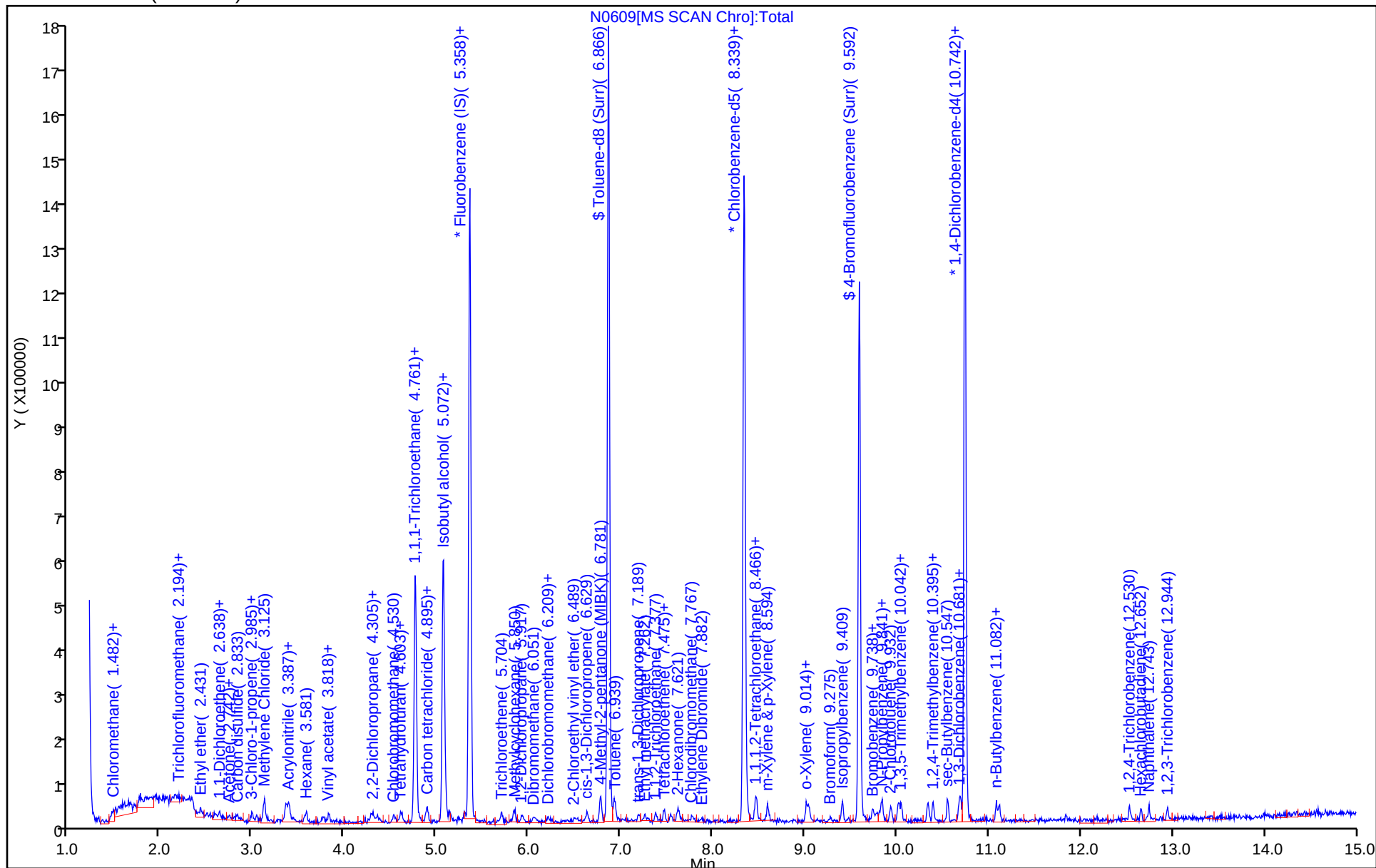
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

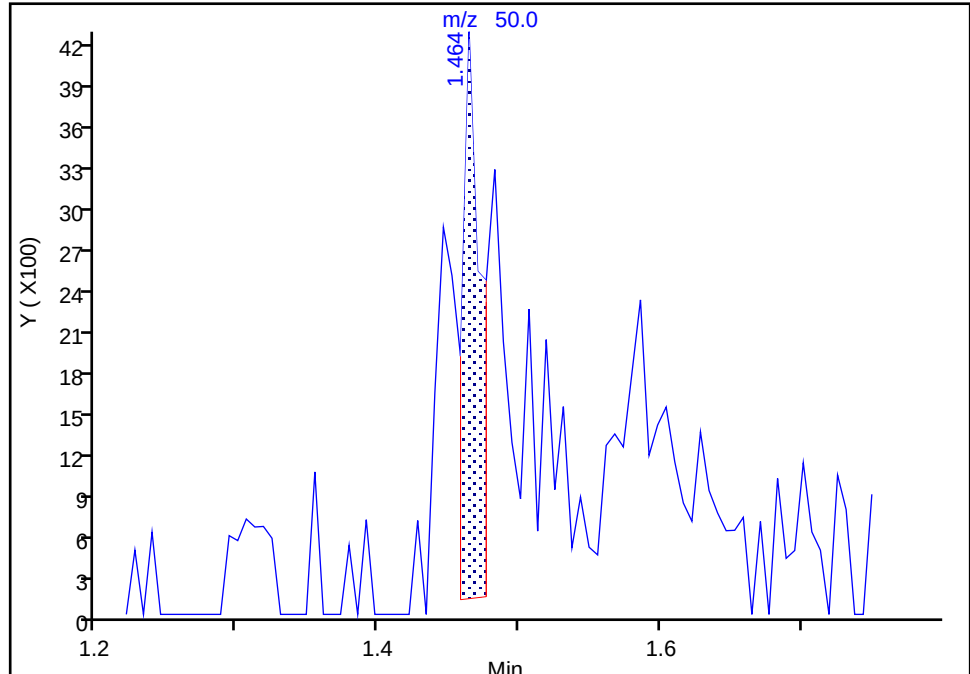
Detector: MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

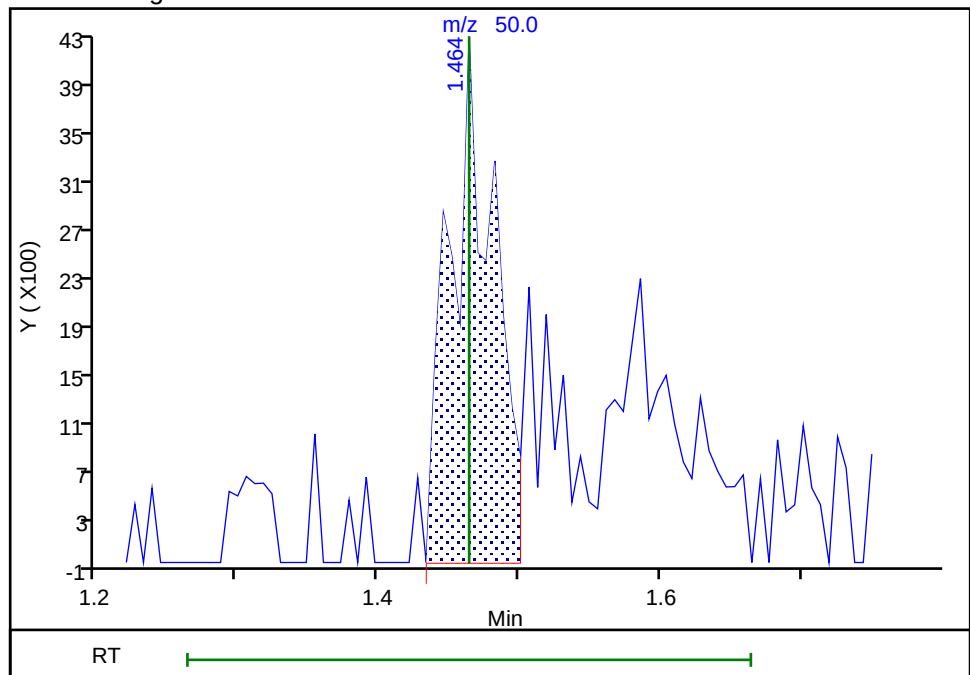
RT: 1.46
Area: 3860
Amount: 0.261383
Amount Units: ug/L

Processing Integration Results



RT: 1.46
Area: 9244
Amount: 0.532894
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:19:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

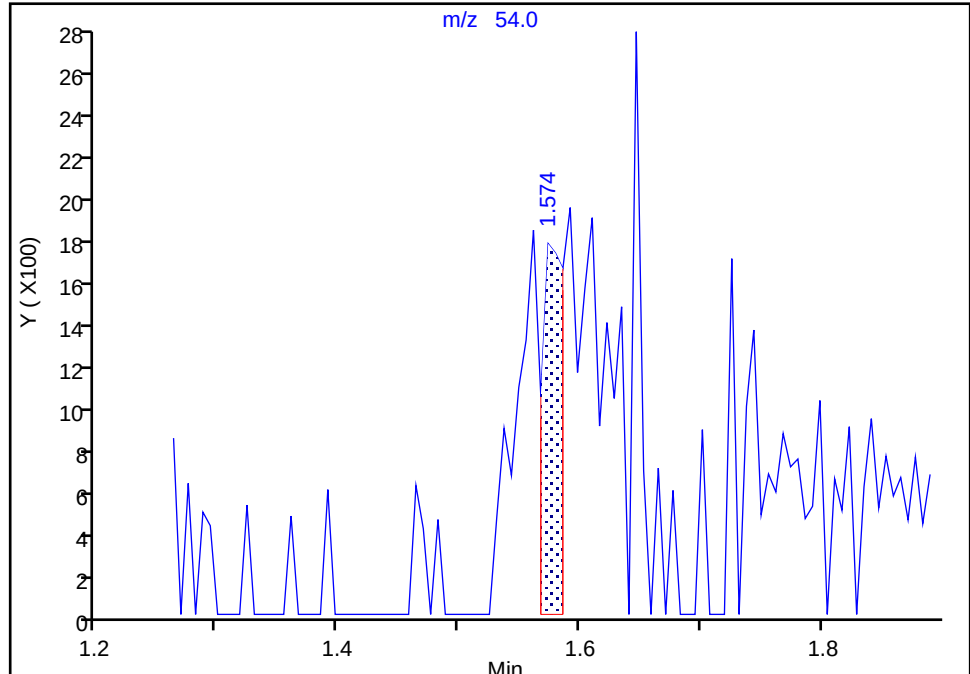
Detector: MS SCAN

144 Butadiene, CAS: 106-99-0

Signal: 1

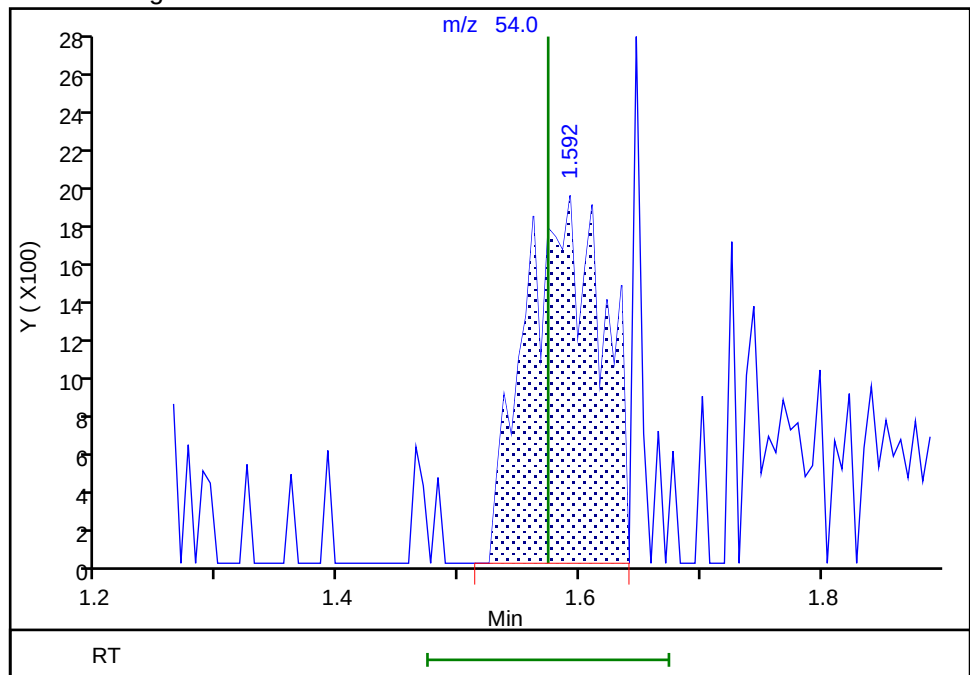
RT: 1.57
Area: 2239
Amount: 0.597562
Amount Units: ug/L

Processing Integration Results



RT: 1.59
Area: 8606
Amount: 0.579792
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:19:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

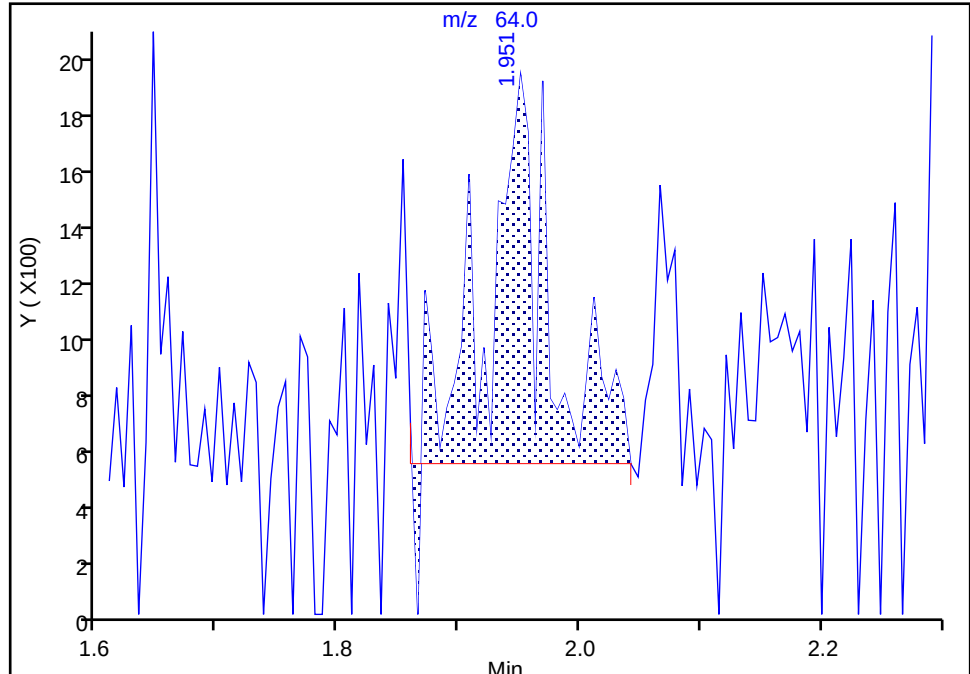
Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

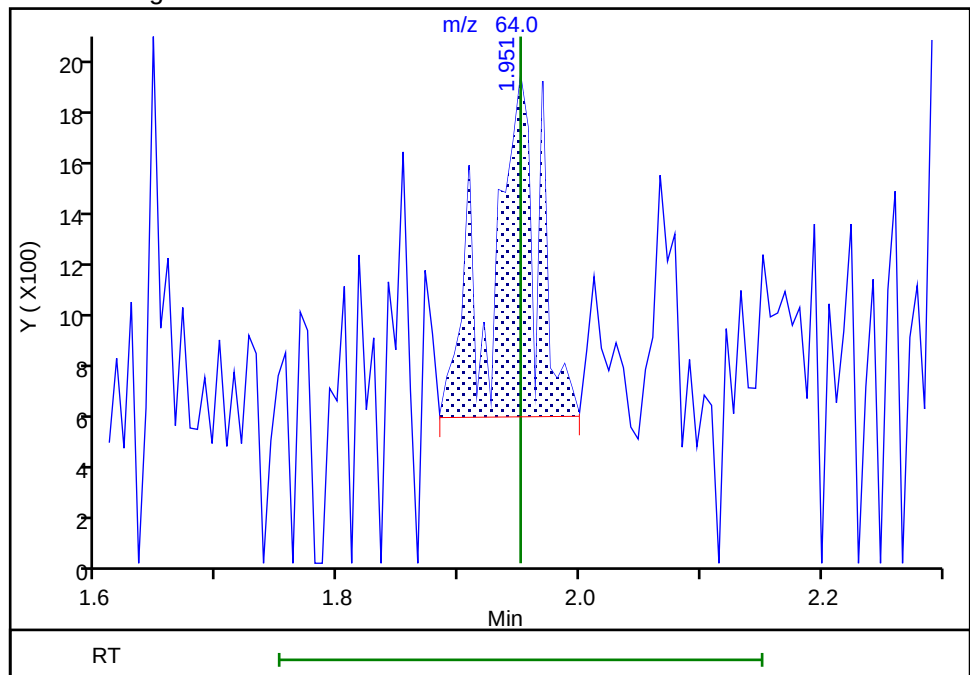
RT: 1.95
Area: 4608
Amount: 0.491605
Amount Units: ug/L

Processing Integration Results



RT: 1.95
Area: 3411
Amount: 0.464909
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:20:34

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

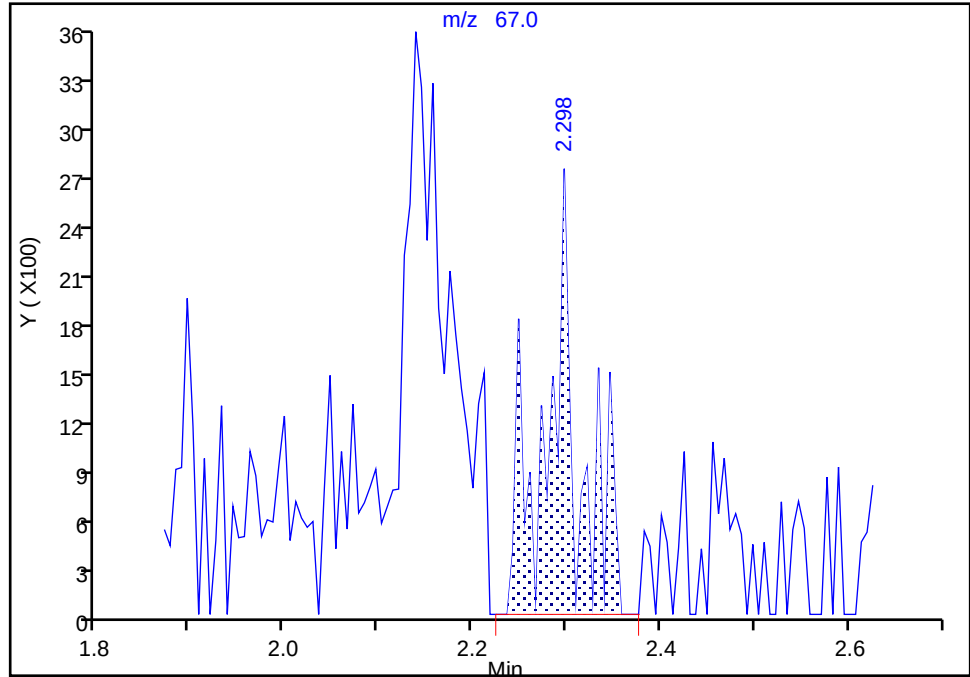
MS SCAN

17 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

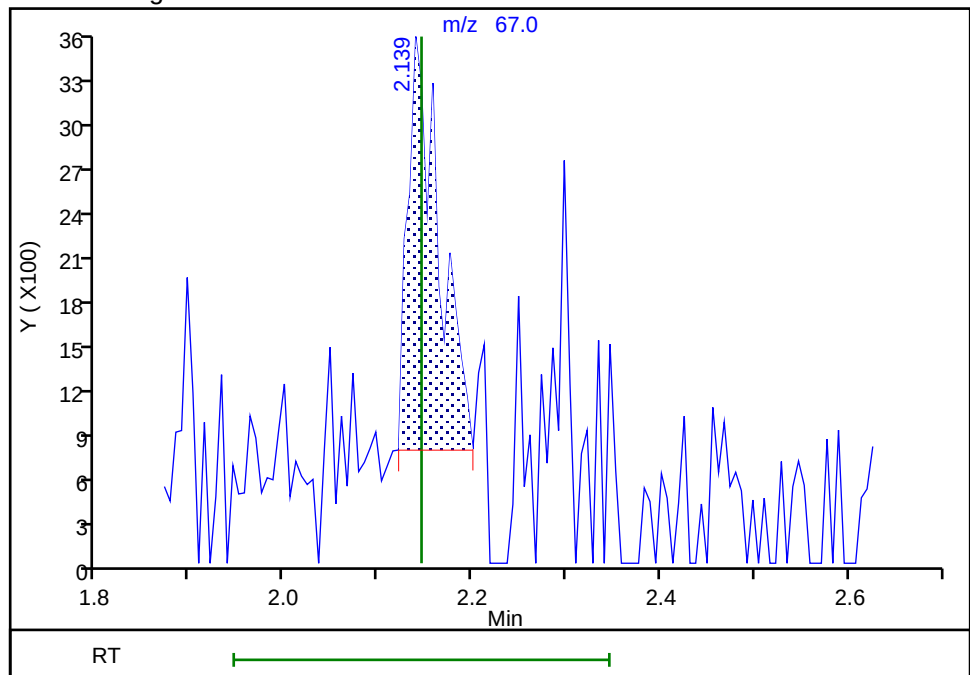
RT: 2.30
Area: 6256
Amount: 0.348133
Amount Units: ug/L

Processing Integration Results



RT: 2.14
Area: 6408
Amount: 0.354464
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:21:29

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

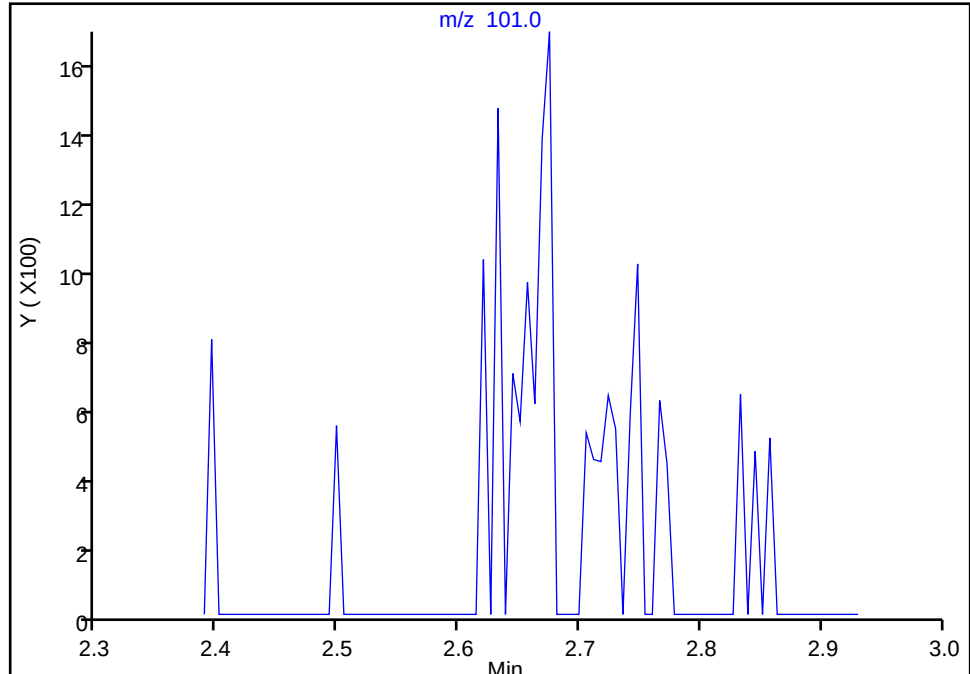
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

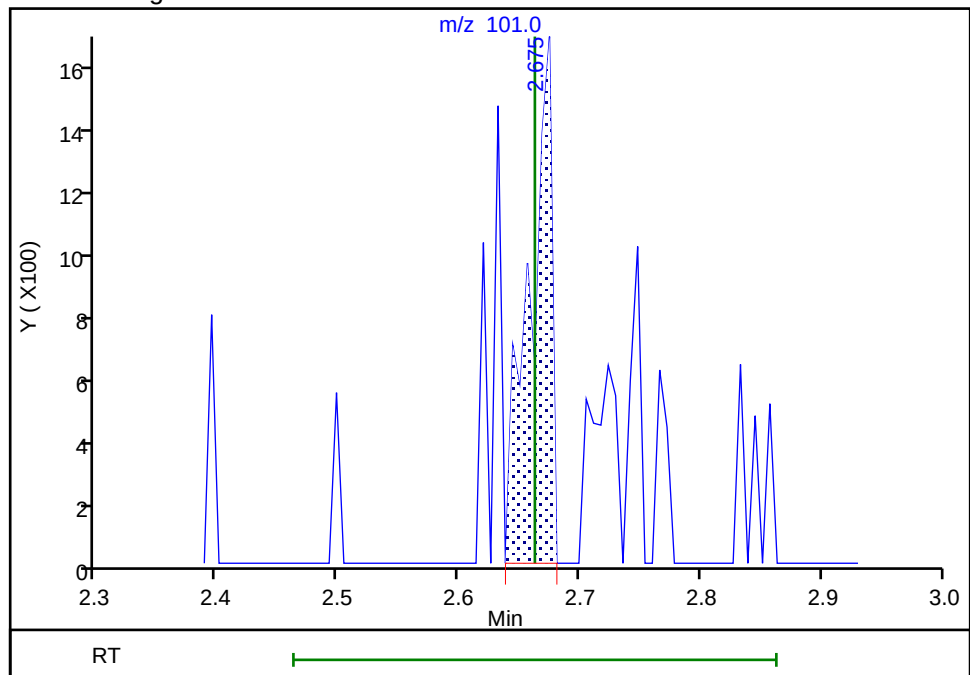
Not Detected

Expected RT: 2.66

Processing Integration Results



Manual Integration Results



RT: 2.67

Area: 2067

Amount: 0.209023

Amount Units: ug/L

Reviewer: milligana, 15-Jun-2018 18:22:05

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

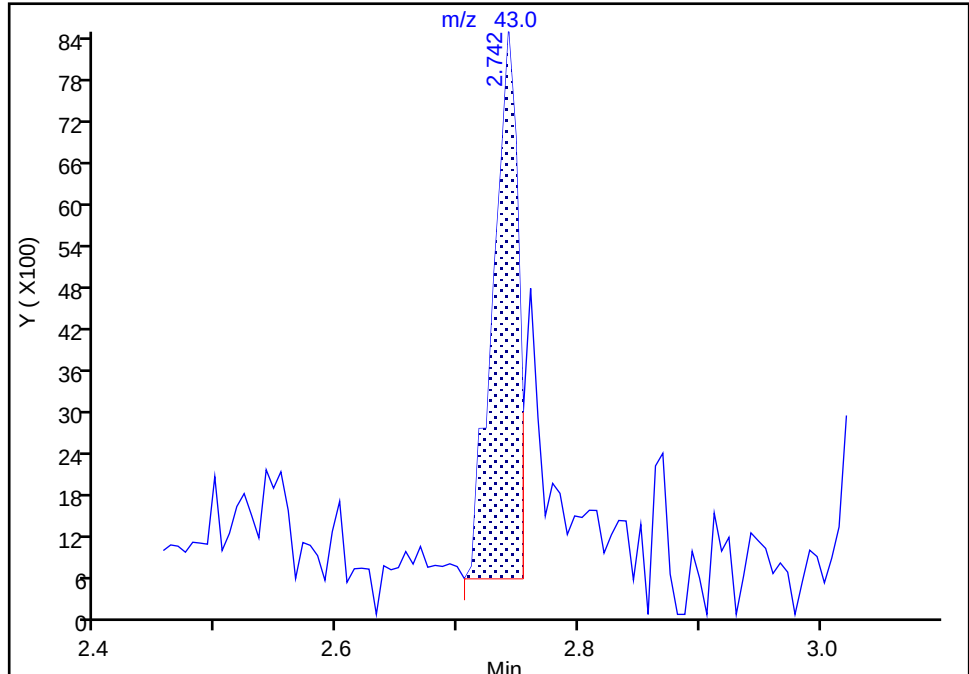
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

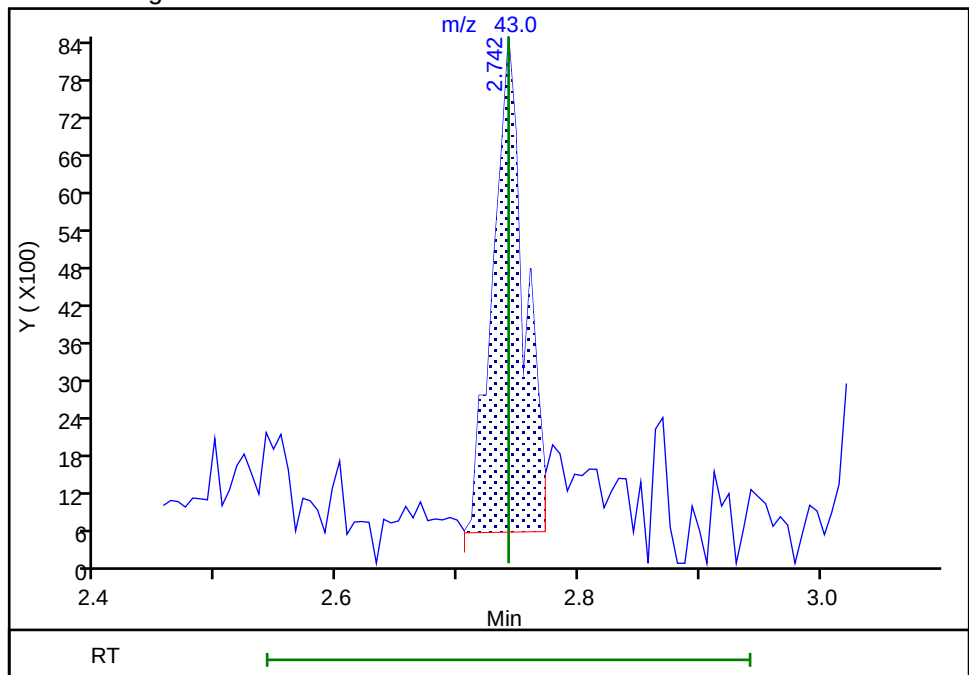
RT: 2.74
Area: 11565
Amount: 2.701645
Amount Units: ug/L

Processing Integration Results



RT: 2.74
Area: 14360
Amount: 3.426777
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:22:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

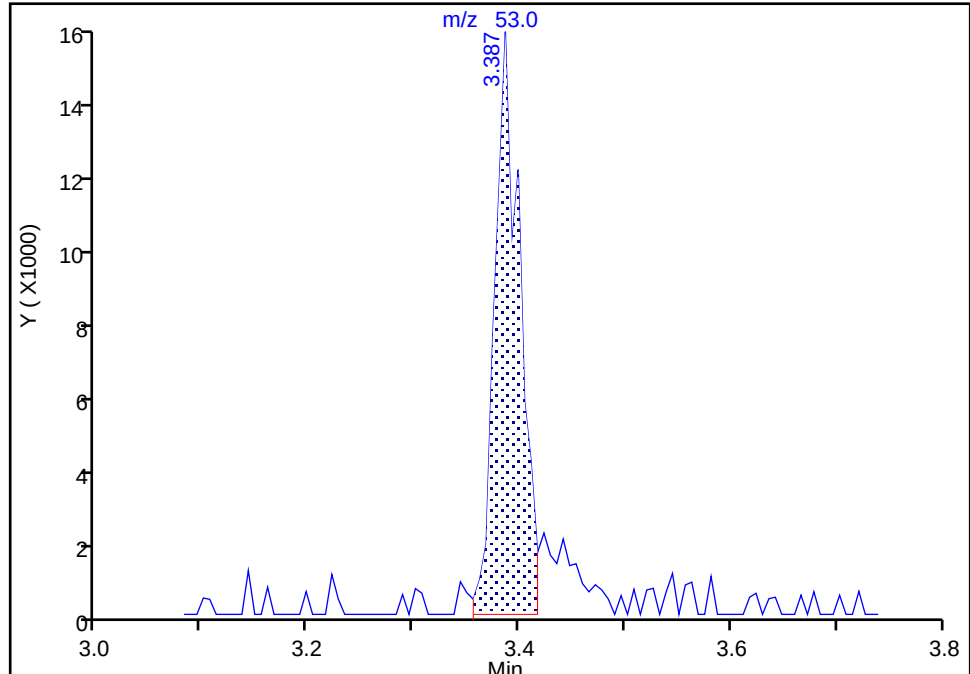
Detector: MS SCAN

34 Acrylonitrile, CAS: 107-13-1

Signal: 1

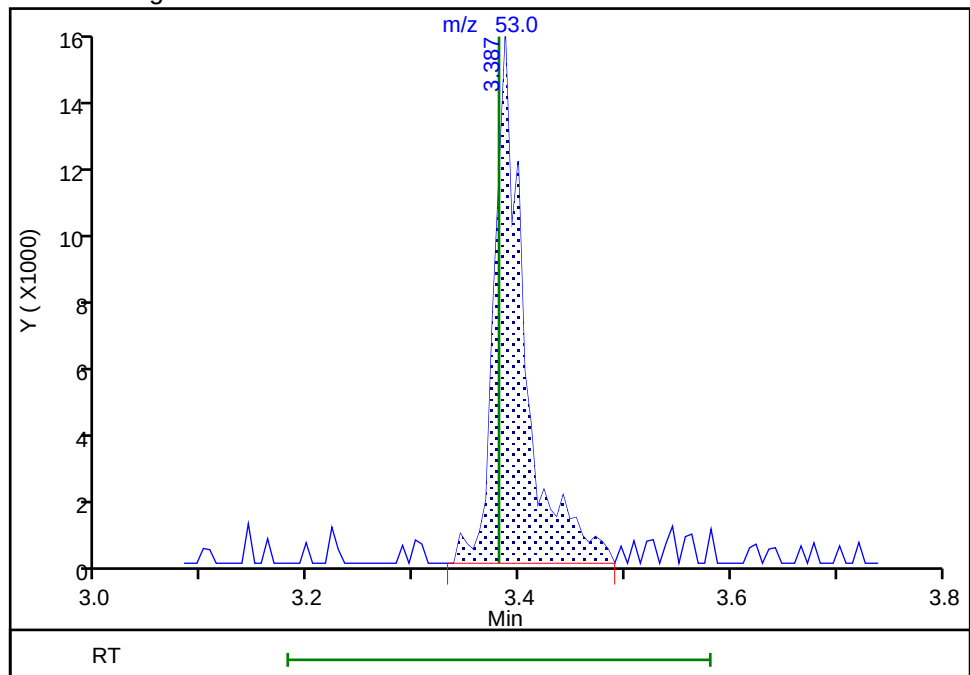
RT: 3.39
Area: 25759
Amount: 4.102987
Amount Units: ug/L

Processing Integration Results



RT: 3.39
Area: 31056
Amount: 4.601735
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:23:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

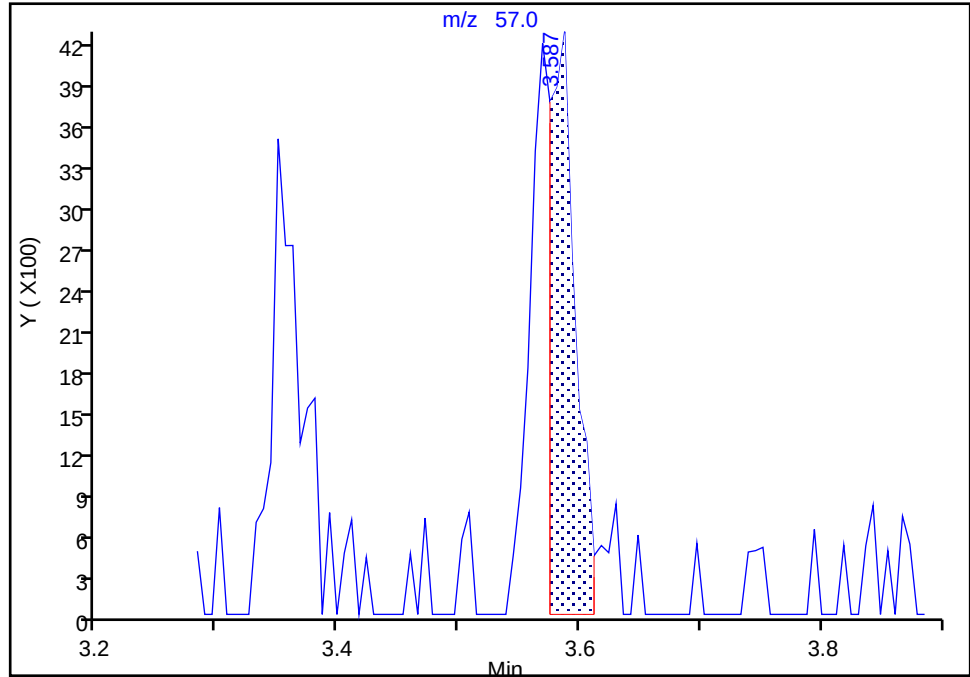
Detector: MS SCAN

35 Hexane, CAS: 110-54-3

Signal: 1

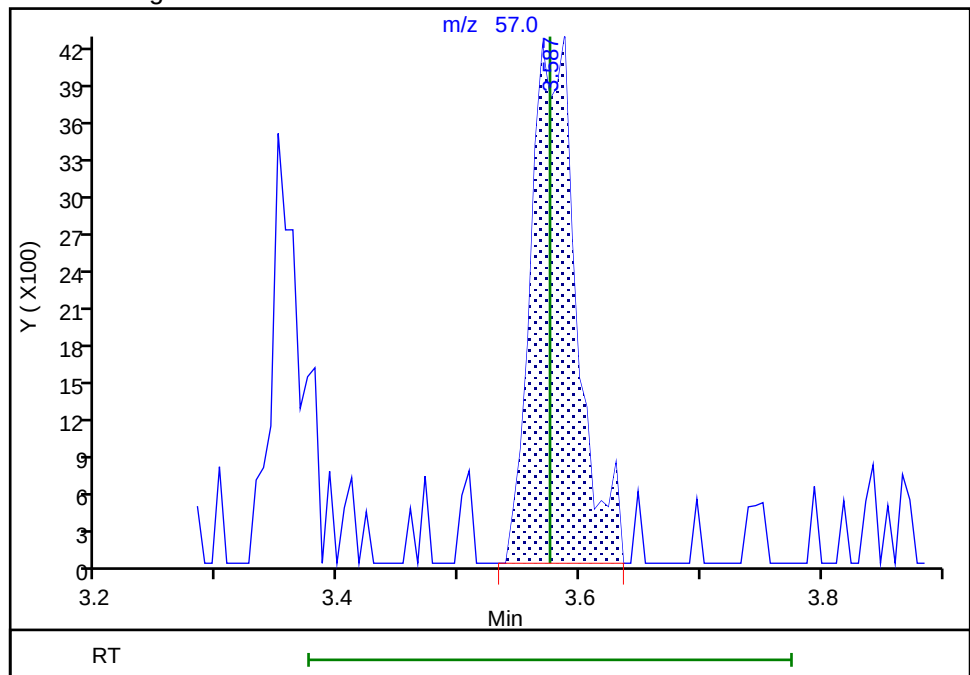
RT: 3.59
Area: 6388
Amount: 0.314710
Amount Units: ug/L

Processing Integration Results



RT: 3.59
Area: 10895
Amount: 0.541638
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:23:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

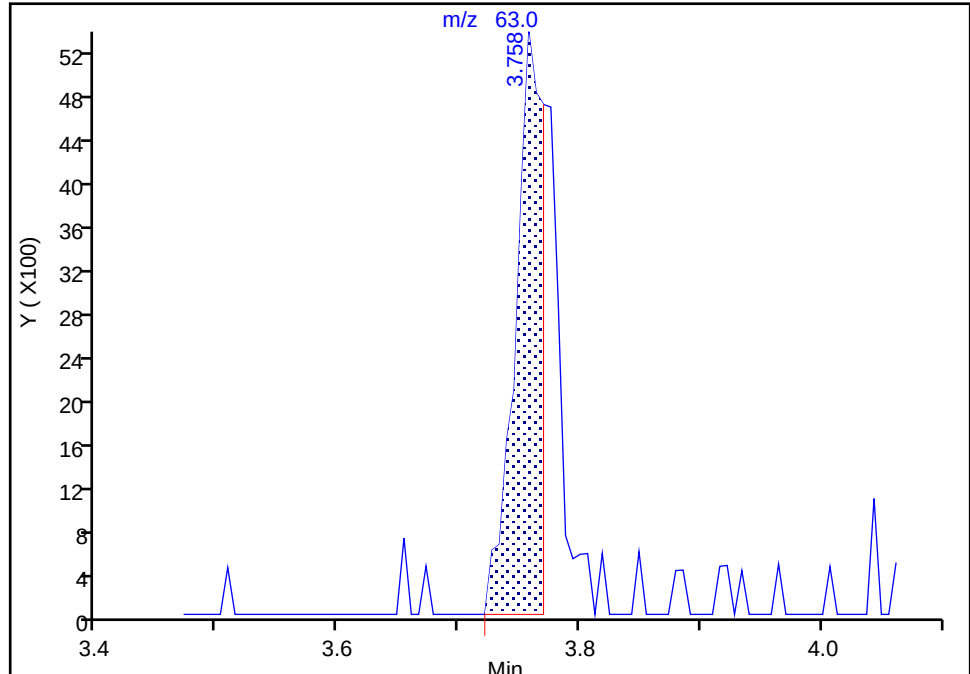
MS SCAN

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

Signal: 1

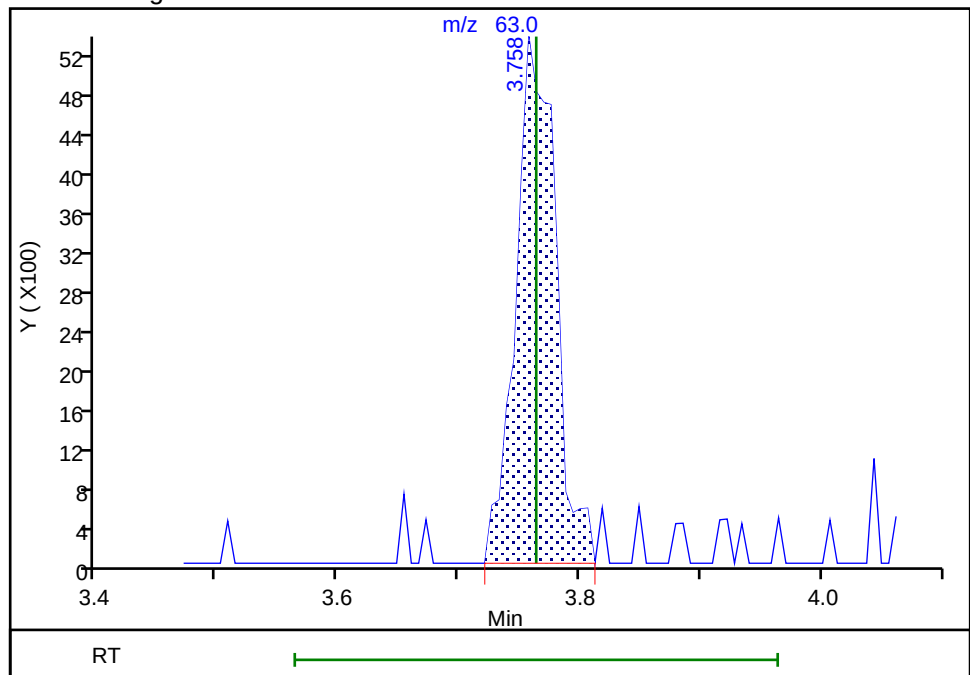
RT: 3.76
Area: 8687
Amount: 0.373807
Amount Units: ug/L

Processing Integration Results



RT: 3.76
Area: 12313
Amount: 0.509944
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:24:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

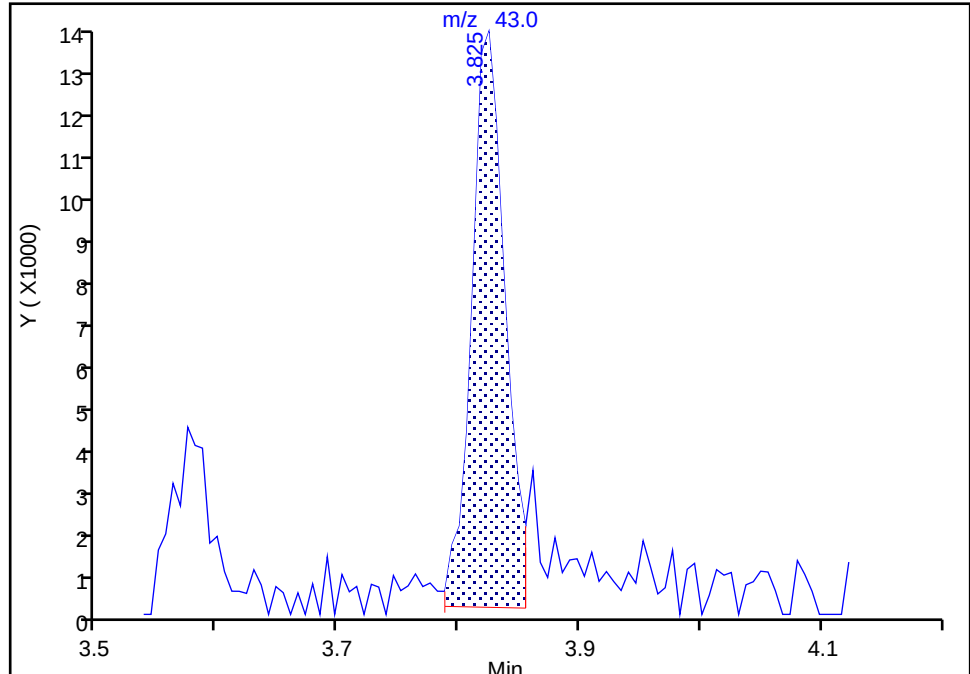
Detector: MS SCAN

39 Vinyl acetate, CAS: 108-05-4

Signal: 1

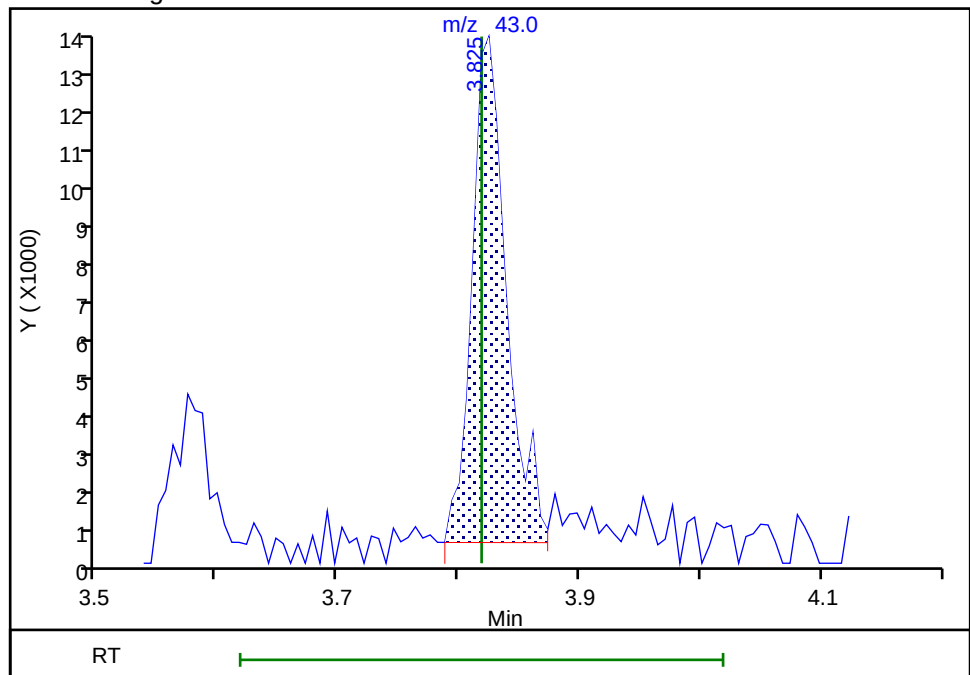
RT: 3.82
Area: 24988
Amount: 0.931331
Amount Units: ug/L

Processing Integration Results



RT: 3.82
Area: 24787
Amount: 0.924705
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:24:56

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

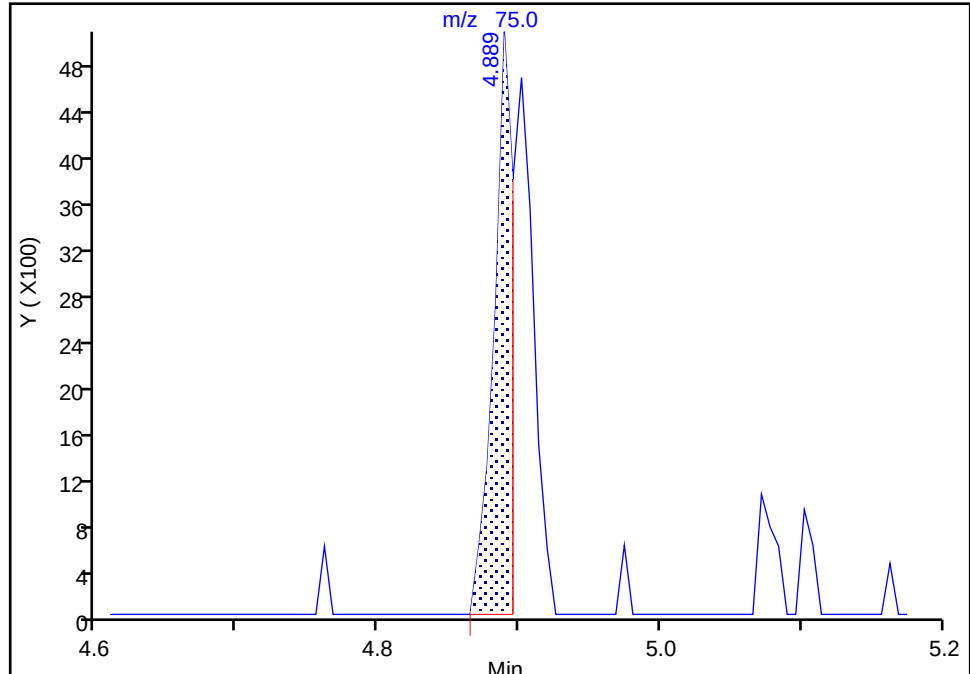
MS SCAN

54 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

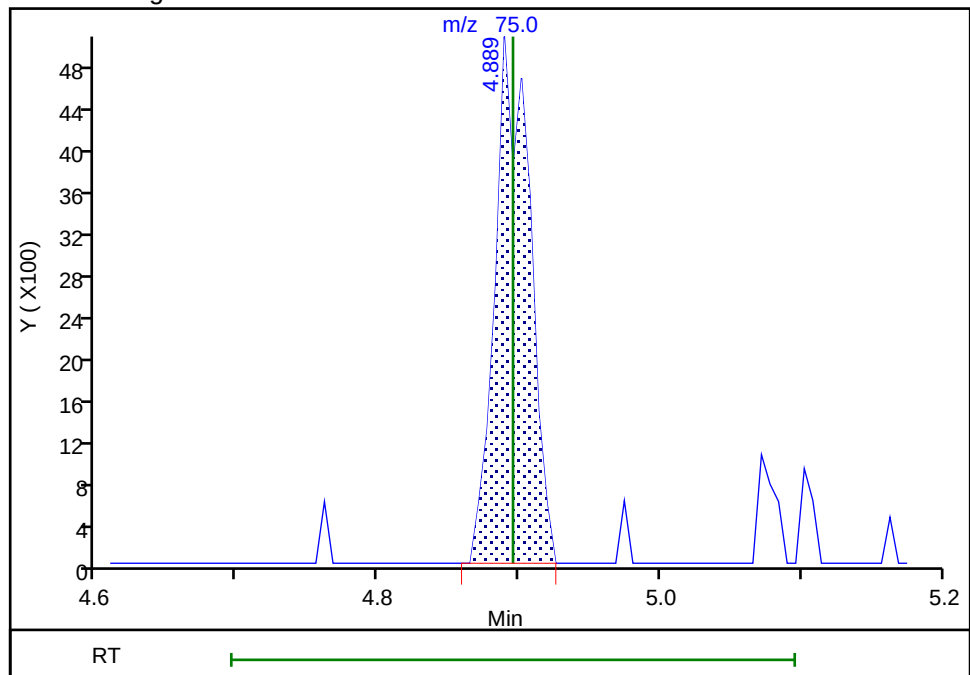
RT: 4.89
Area: 4905
Amount: 0.439690
Amount Units: ug/L

Processing Integration Results



RT: 4.89
Area: 8639
Amount: 0.529000
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:25:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

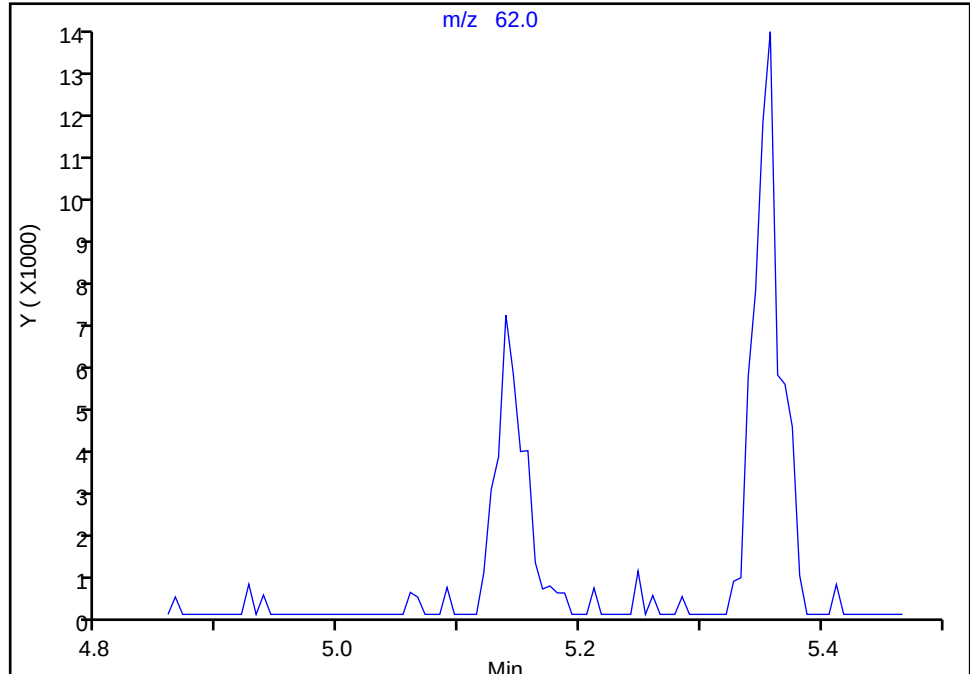
57 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

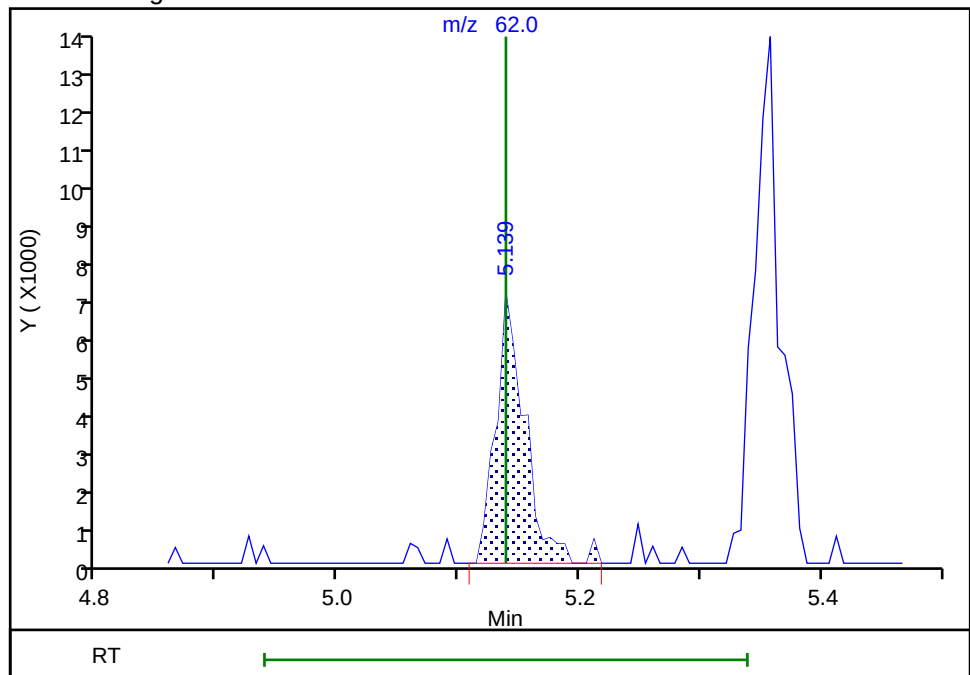
Not Detected

Expected RT: 5.14

Processing Integration Results



Manual Integration Results



RT: 5.14

Area: 11932

Amount: 0.557508

Amount Units: ug/L

Reviewer: milligana, 15-Jun-2018 18:27:04

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

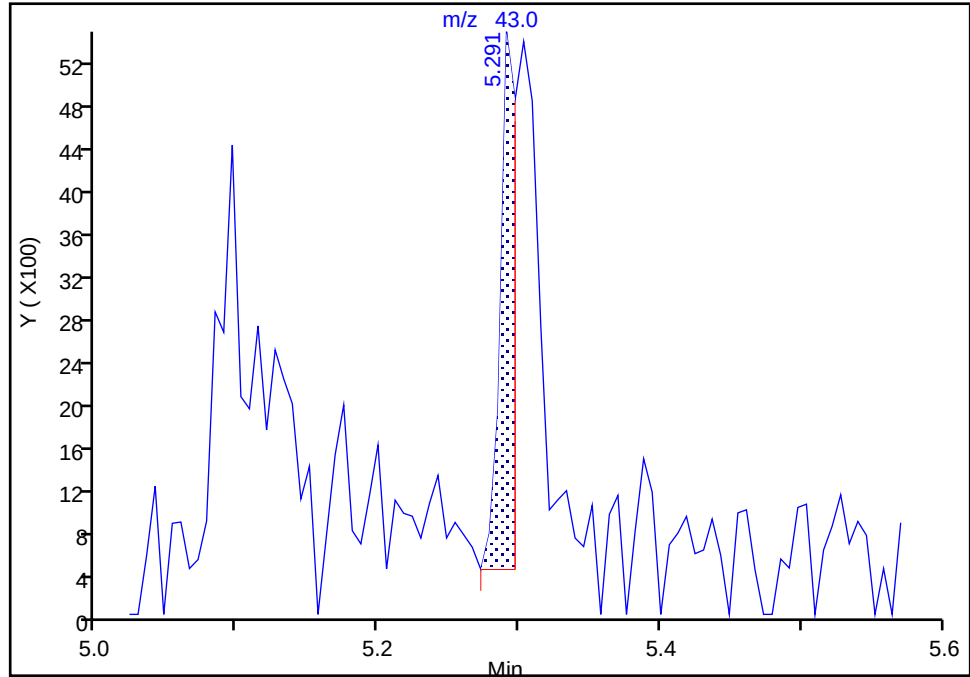
MS SCAN

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

Signal: 1

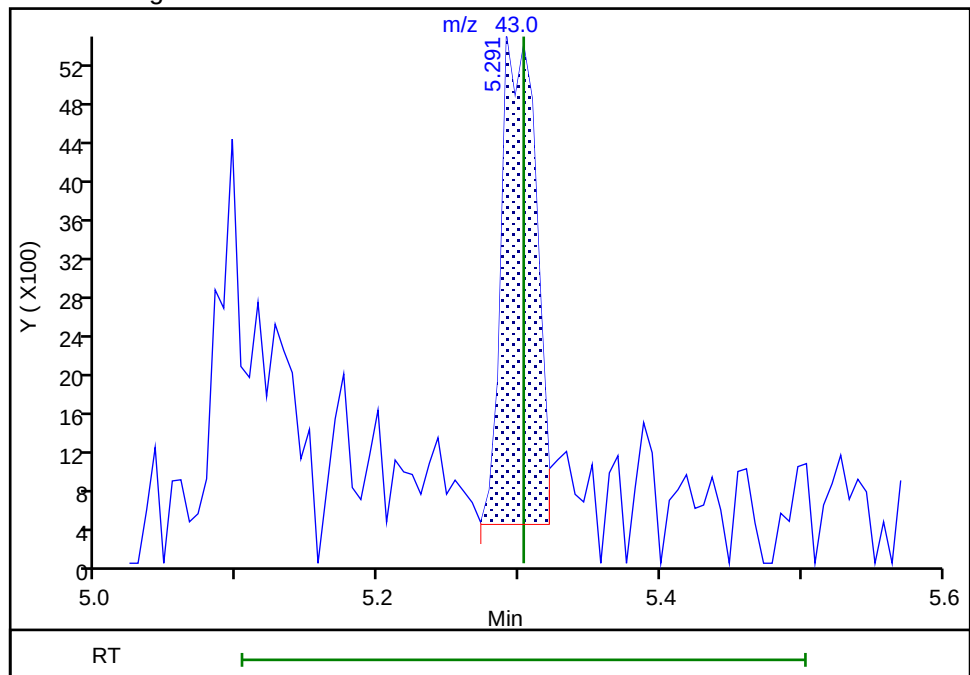
RT: 5.29
Area: 4081
Amount: 0.454555
Amount Units: ug/L

Processing Integration Results



RT: 5.29
Area: 8548
Amount: 0.419613
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:28:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

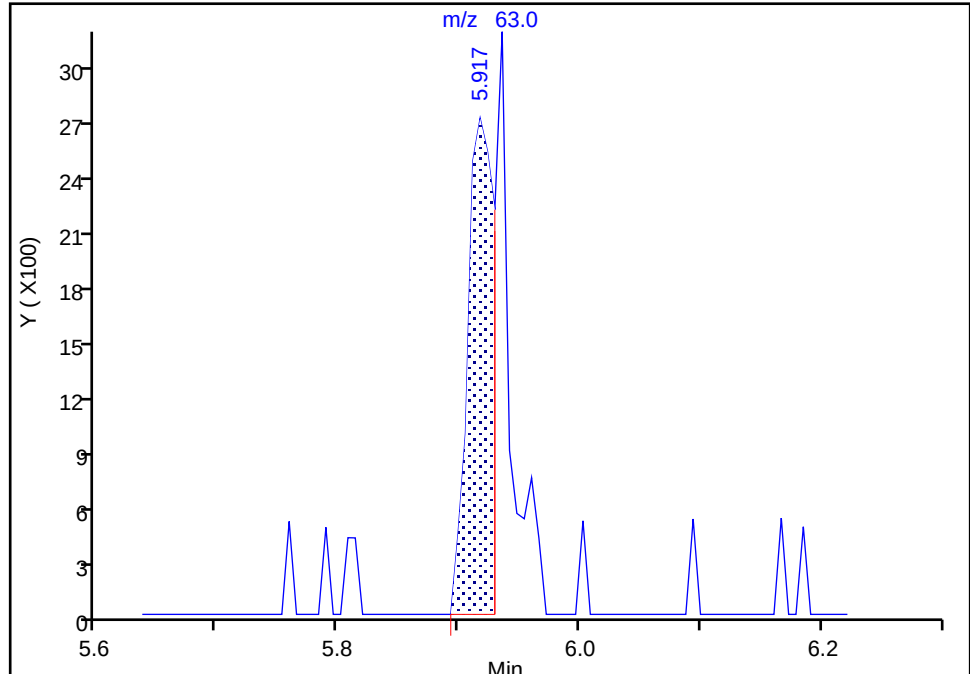
MS SCAN

63 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

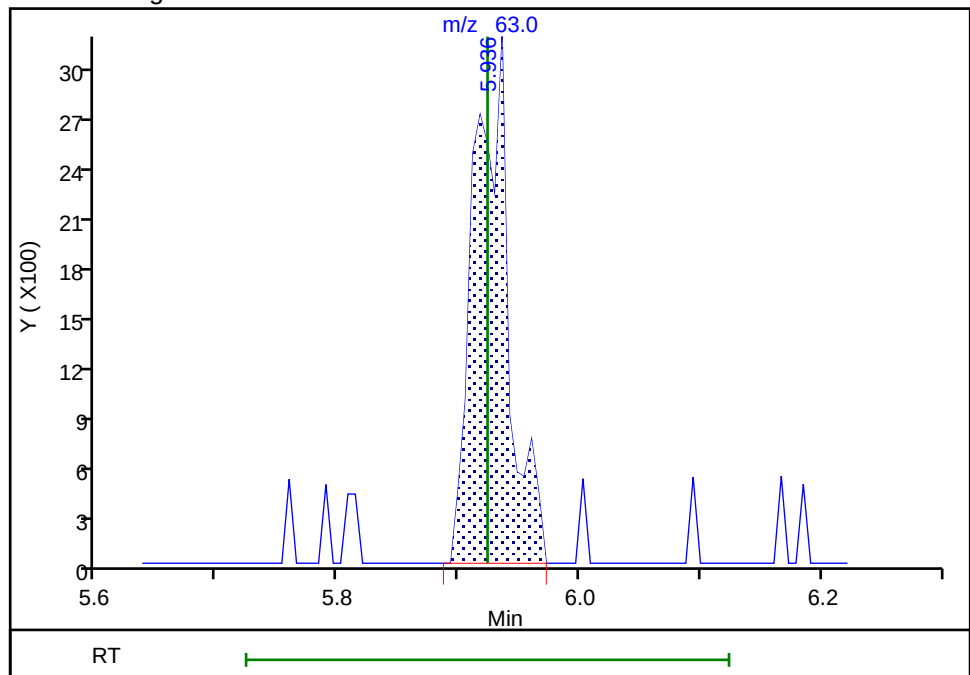
RT: 5.92
Area: 4088
Amount: 0.427541
Amount Units: ug/L

Processing Integration Results



RT: 5.94
Area: 6362
Amount: 0.491134
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:43:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

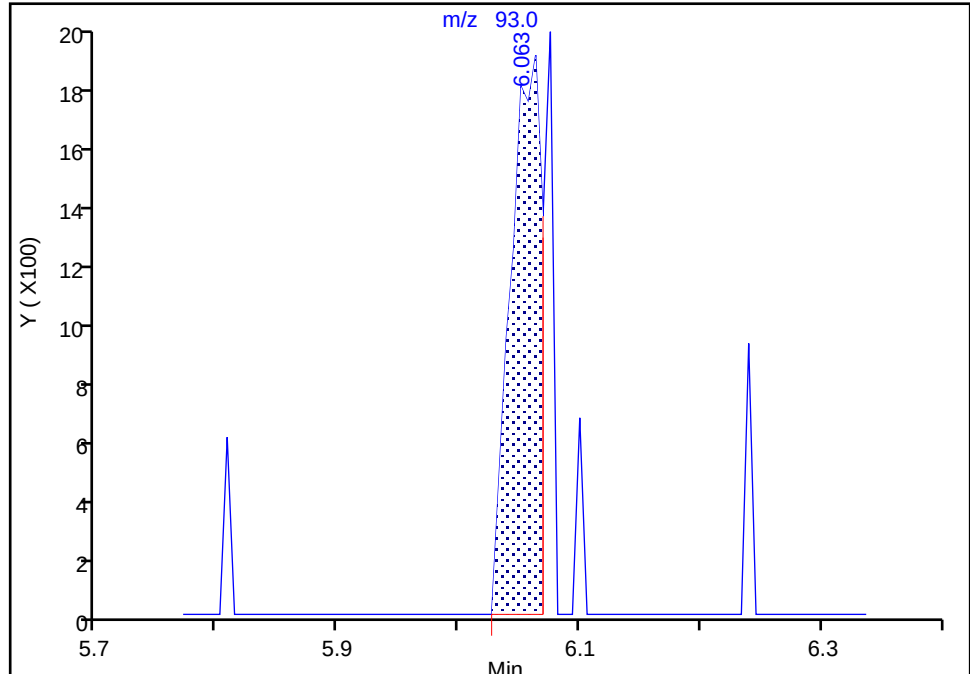
Detector: MS SCAN

64 Dibromomethane, CAS: 74-95-3

Signal: 1

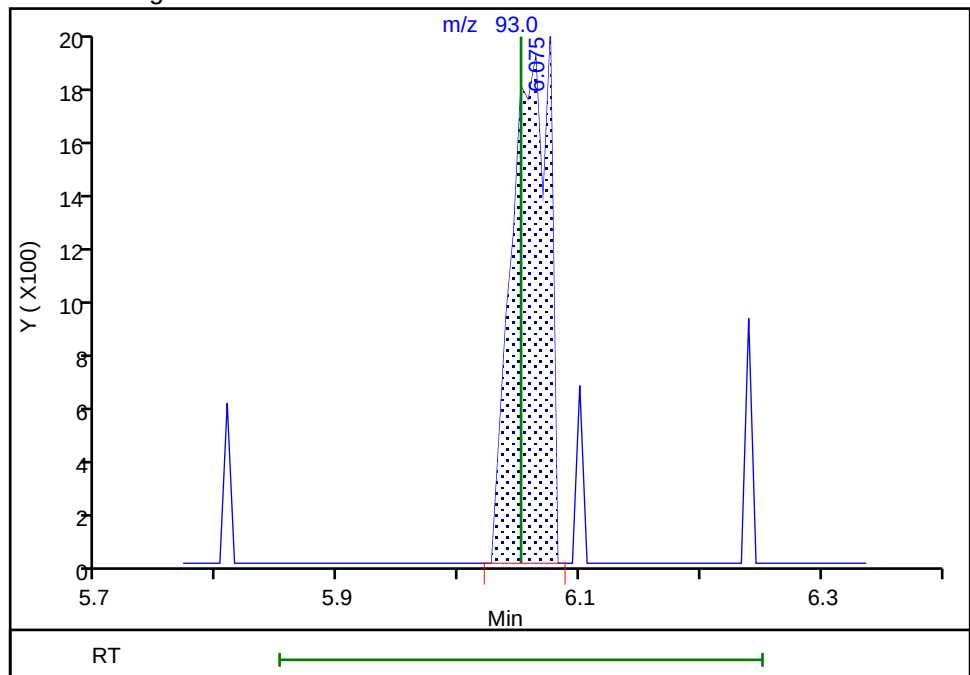
RT: 6.06
Area: 3458
Amount: 0.400630
Amount Units: ug/L

Processing Integration Results



RT: 6.08
Area: 4184
Amount: 0.486597
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:44:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

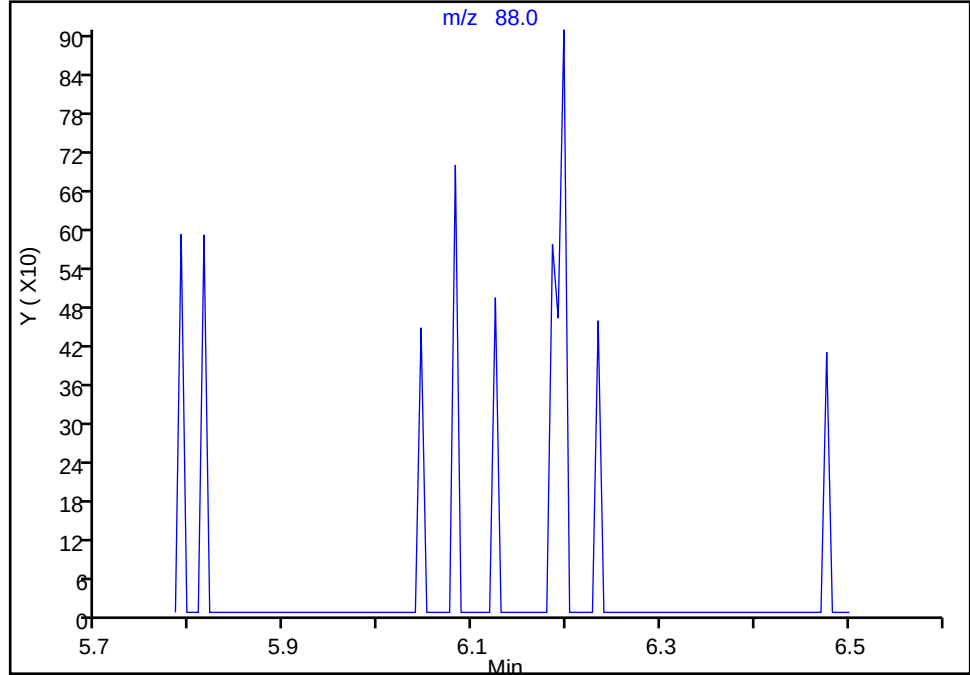
66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

Not Detected

Expected RT: 6.07

Processing Integration Results



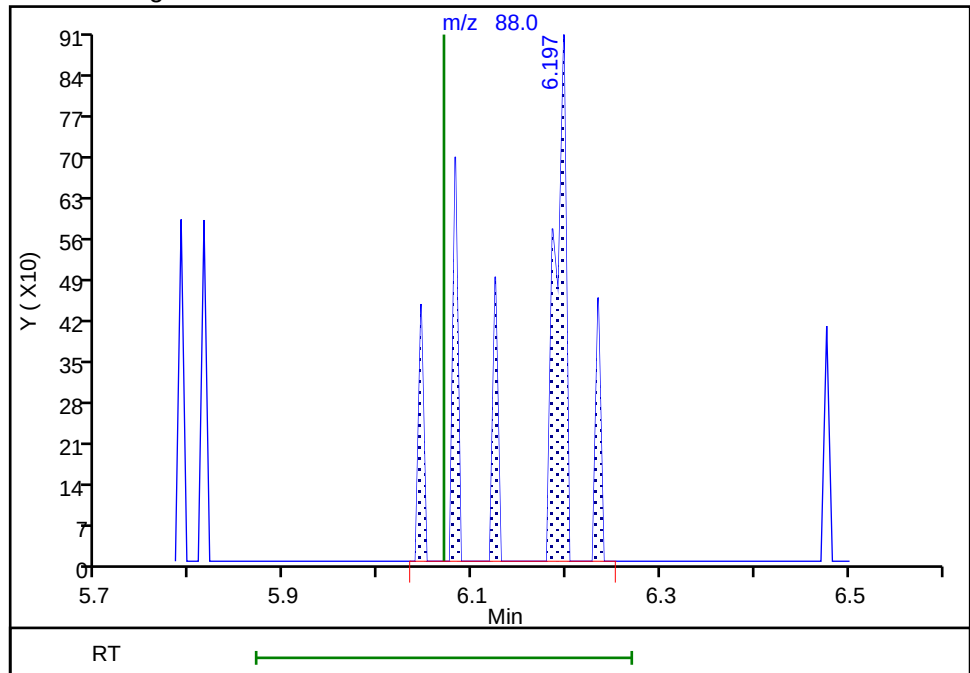
RT: 6.20

Area: 1471

Amount: 9.182153

Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:44:23

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

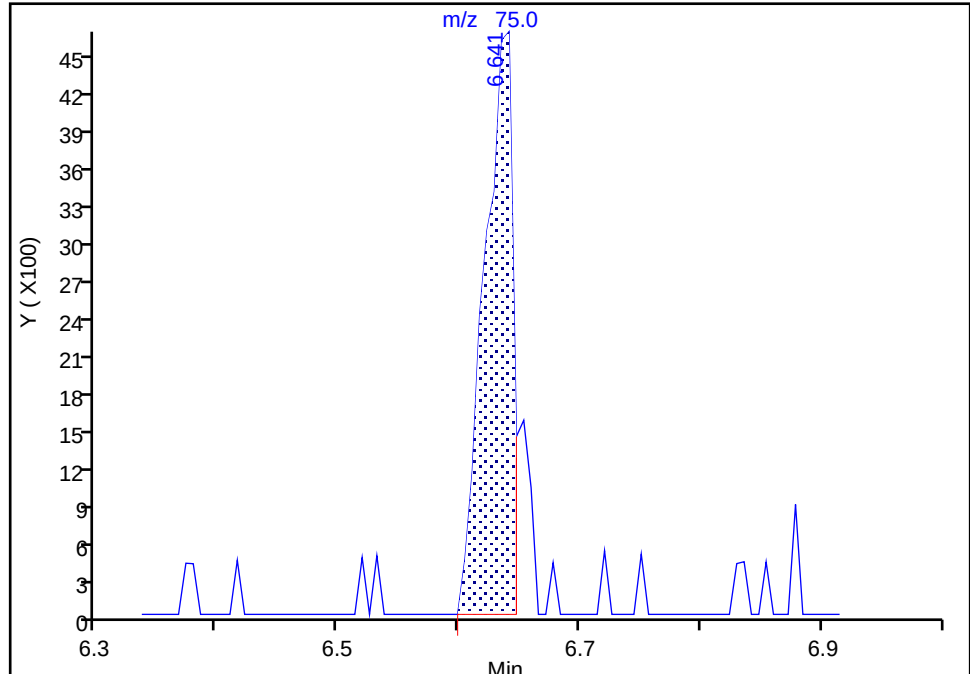
MS SCAN

71 cis-1,3-Dichloropropene, CAS: 10061-01-5

Signal: 1

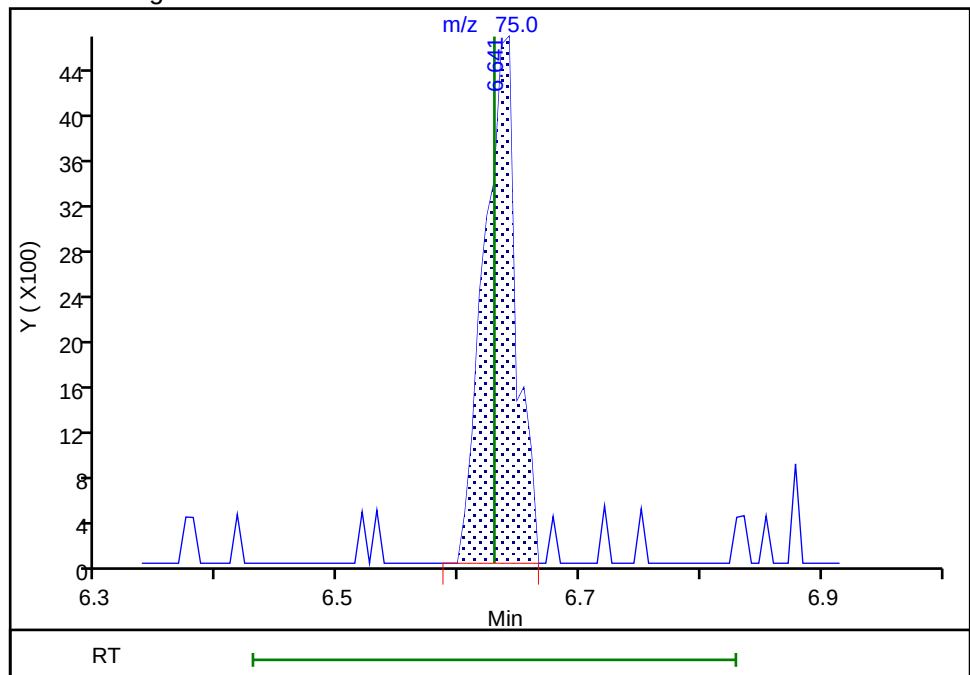
RT: 6.64
Area: 7722
Amount: 0.416833
Amount Units: ug/L

Processing Integration Results



RT: 6.64
Area: 8660
Amount: 0.471300
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:45:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

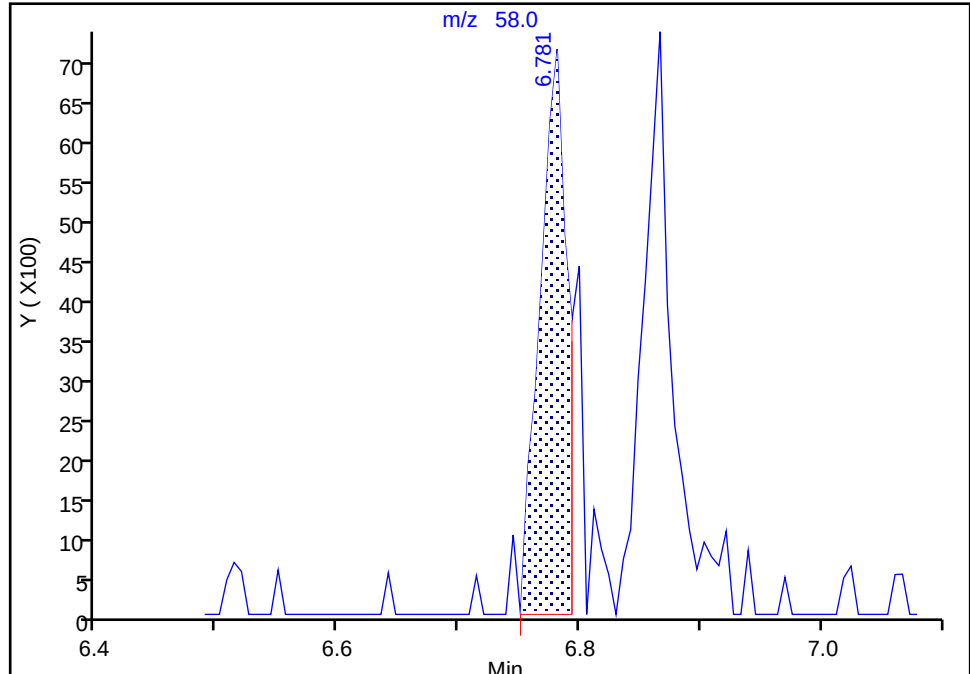
MS SCAN

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

Signal: 1

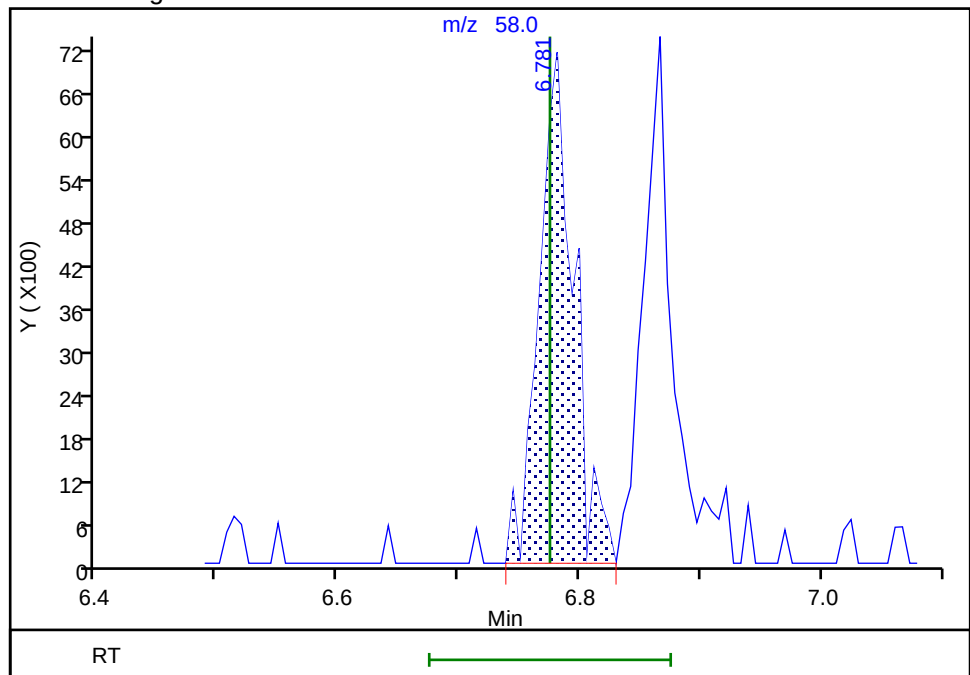
RT: 6.78
Area: 11363
Amount: 1.769103
Amount Units: ug/L

Processing Integration Results



RT: 6.78
Area: 14318
Amount: 2.259768
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:45:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

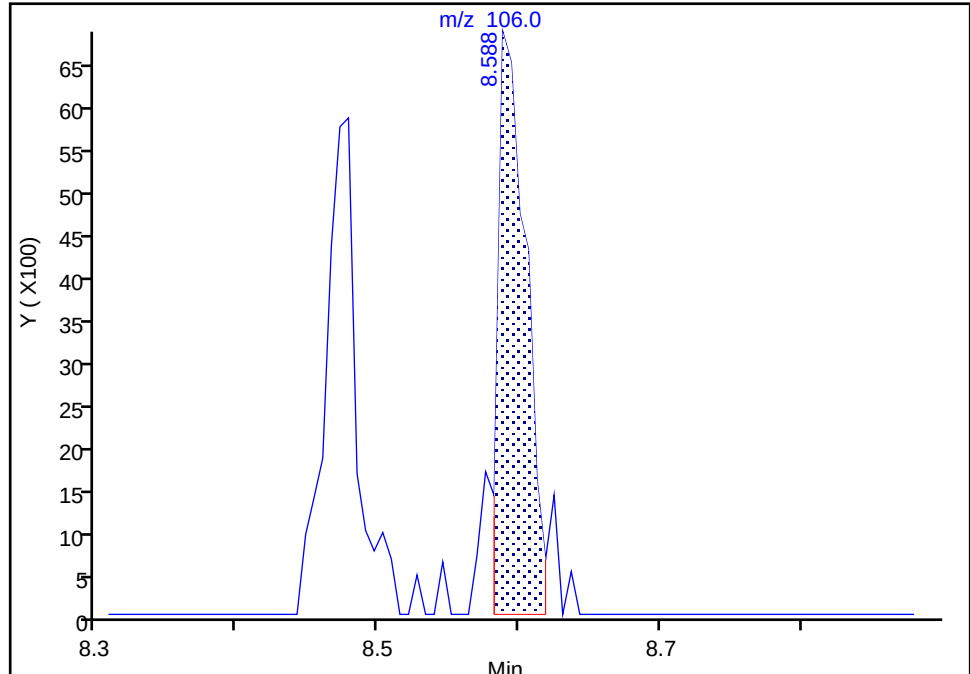
MS SCAN

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

Signal: 1

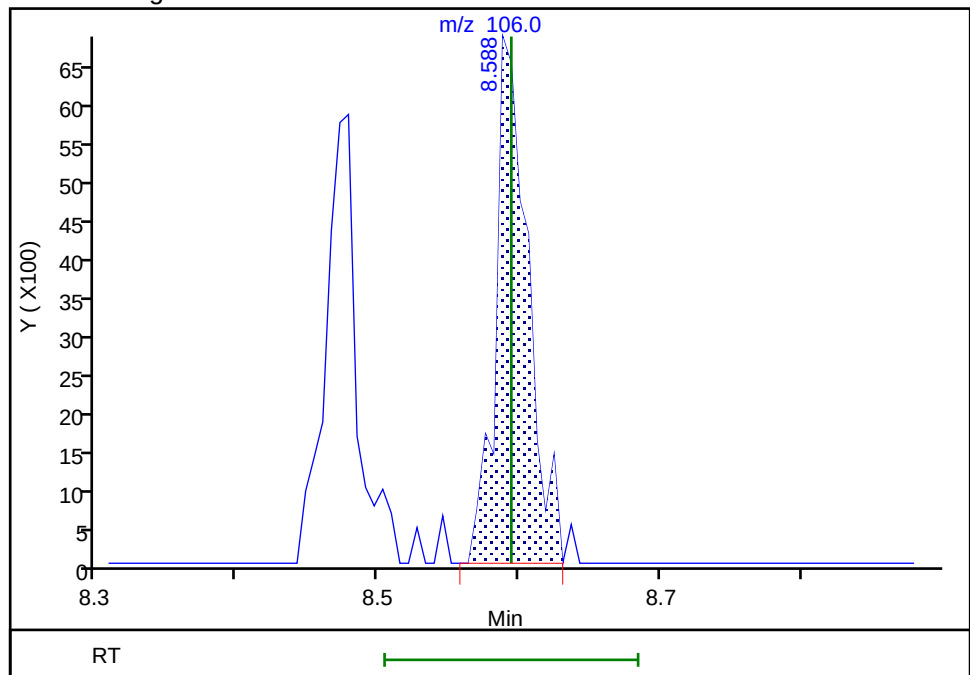
RT: 8.59
Area: 9481
Amount: 0.448349
Amount Units: ug/L

Processing Integration Results



RT: 8.59
Area: 10857
Amount: 0.505200
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:46:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0609.D

Injection Date: 15-Jun-2018 13:52:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

3

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

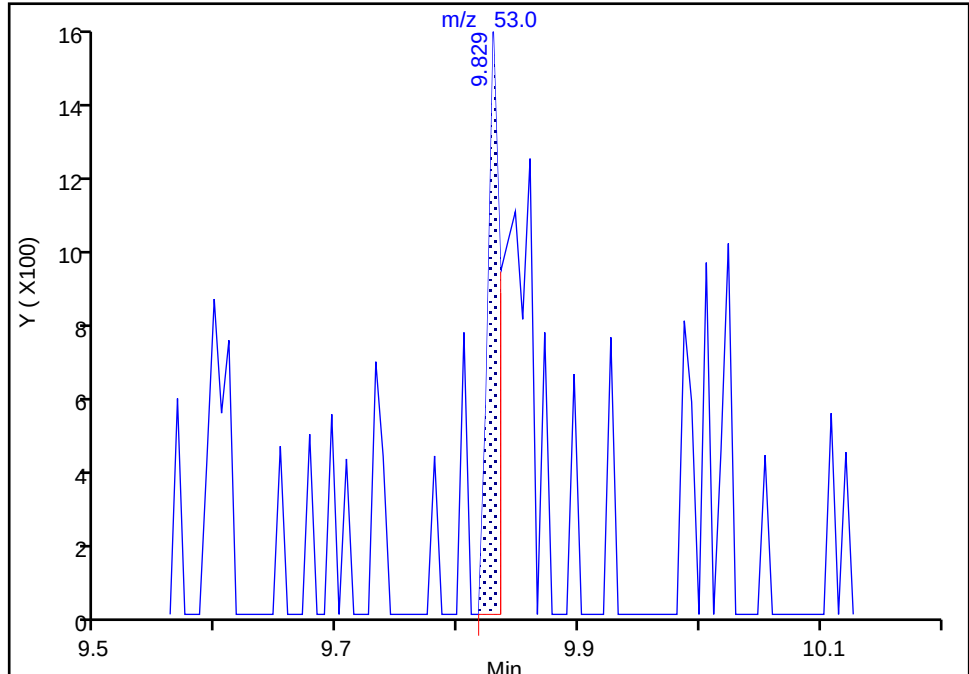
MS SCAN

101 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

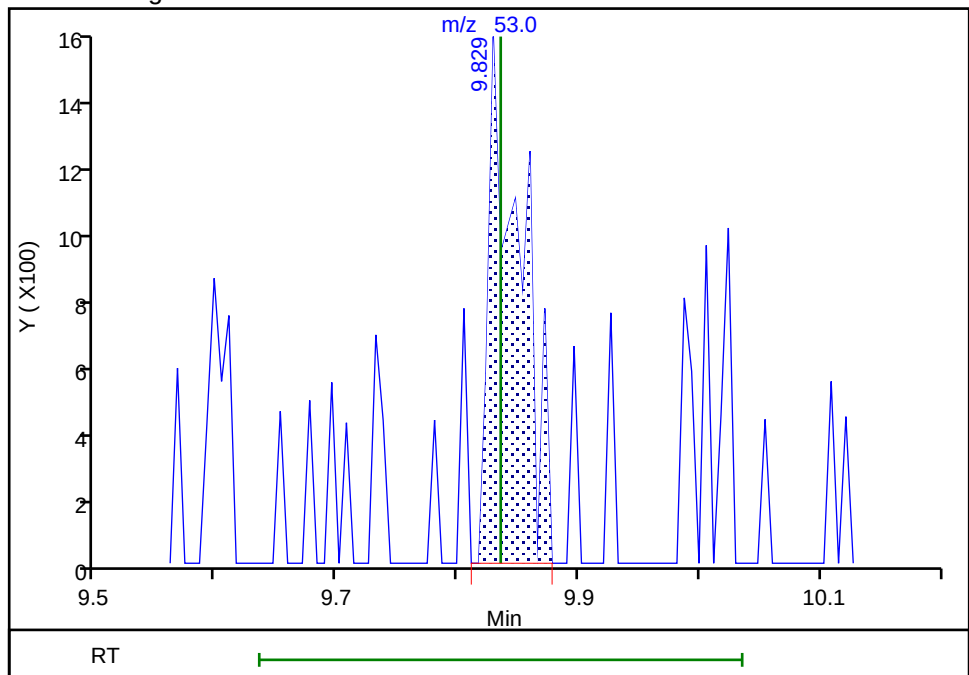
RT: 9.83
Area: 1106
Amount: 0.192240
Amount Units: ug/L

Processing Integration Results



RT: 9.83
Area: 2864
Amount: 0.498080
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:46:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0610.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 15-Jun-2018 14:19:30 ALS Bottle#: 4 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0072372-008
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jun-2018 12:44:08 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK052

First Level Reviewer: HillL

Date: 15-Jun-2018 17:10:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.357	0.001	99	203671	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.338	0.001	87	794429	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.741	0.001	96	408284	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.768	4.768	0.000	93	293033	25.0	25.2	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.066	0.006	0	377715	25.0	26.0	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	1023685	25.0	24.4	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	90	327001	25.0	25.0	
11 Dichlorodifluoromethane	85	1.300	1.300	0.000	68	9545	1.00	0.7807	
13 Chloromethane	50	1.464	1.464	0.000	85	16293	1.00	0.9636	
14 Vinyl chloride	62	1.555	1.549	0.006	36	14527	1.00	1.02	
144 Butadiene	54	1.568	1.574	-0.006	72	16558	1.00	1.14	M
15 Bromomethane	94	1.860	1.854	0.006	26	8895	1.00	1.14	
16 Chloroethane	64	1.945	1.951	-0.006	30	8769	1.00	1.23	M
17 Dichlorofluoromethane	67	2.139	2.146	-0.007	90	17443	1.00	0.9899	M
18 Trichlorofluoromethane	101	2.158	2.152	0.006	66	15175	1.00	0.9405	
19 Ethyl ether	59	2.438	2.431	0.007	95	13913	1.00	1.08	
20 Acrolein	56	2.577	2.584	-0.007	72	10146	5.00	4.47	
22 1,1-Dichloroethene	96	2.632	2.632	0.000	94	9944	1.00	0.9376	
21 1,1,2-Trichloro-1,2,2-trif	101	2.681	2.663	0.018	39	7224	1.00	0.7495	M
23 Acetone	43	2.742	2.742	0.000	94	22724	5.00	5.56	M
24 Iodomethane	142	2.778	2.778	0.000	93	17864	1.00	0.9161	
25 Carbon disulfide	76	2.833	2.827	0.006	96	24660	1.00	0.7535	
27 3-Chloro-1-propene	41	2.997	2.991	0.006	88	24524	1.00	1.06	
28 Methyl acetate	43	3.034	3.034	0.000	98	32730	2.00	2.31	M
30 Methylene Chloride	84	3.125	3.125	0.000	95	22753	1.00	0.9582	
31 2-Methyl-2-propanol	59	3.307	3.289	0.018	69	10287	10.0	10.6	M
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	97	36727	1.00	0.9313	
33 trans-1,2-Dichloroethene	96	3.362	3.356	0.006	66	12363	1.00	0.9876	
34 Acrylonitrile	53	3.393	3.380	0.013	96	53981	10.0	8.21	
35 Hexane	57	3.569	3.575	-0.006	88	16902	1.00	0.8621	Ma

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	3.770	3.764	0.006	94	22276	1.00	0.9465	
39 Vinyl acetate	43	3.825	3.819	0.006	95	51097	2.00	1.96	
42 2,2-Dichloropropane	77	4.281	4.281	0.000	86	14813	1.00	0.9272	
43 cis-1,2-Dichloroethene	96	4.305	4.305	0.000	87	13207	1.00	0.9618	
44 2-Butanone (MEK)	43	4.348	4.336	0.012	82	31904	5.00	4.26	M
47 Chlorobromomethane	128	4.536	4.536	0.000	91	6074	1.00	0.8612	
49 Tetrahydrofuran	42	4.585	4.567	0.018	74	12661	2.00	2.19	
50 Chloroform	83	4.615	4.615	0.000	87	19272	1.00	0.8839	M
51 1,1,1-Trichloroethane	97	4.737	4.737	0.000	94	17488	1.00	0.9623	
52 Cyclohexane	56	4.761	4.761	0.000	35	20443	1.00	0.9380	
53 Carbon tetrachloride	117	4.889	4.889	0.000	89	13587	1.00	0.8796	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	80	13002	1.00	0.8168	
55 Benzene	78	5.096	5.090	0.006	94	44813	1.00	0.9644	
56 Isobutyl alcohol	43	5.102	5.090	0.012	40	25844	25.0	32.0	
57 1,2-Dichloroethane	62	5.139	5.139	0.000	91	19864	1.00	0.9522	
59 n-Heptane	43	5.297	5.303	-0.006	93	17599	1.00	0.8864	
60 Trichloroethene	95	5.704	5.698	0.006	90	11861	1.00	0.9396	
62 Methylcyclohexane	83	5.838	5.838	0.000	95	16391	1.00	0.8196	
63 1,2-Dichloropropane	63	5.923	5.923	0.000	82	11688	1.00	0.9257	
64 Dibromomethane	93	6.057	6.051	0.006	91	8001	1.00	0.9547	
66 1,4-Dioxane	88	6.082	6.069	0.013	28	2487	20.0	15.5	Ma
67 Dichlorobromomethane	83	6.209	6.209	0.000	91	13385	1.00	0.8599	
69 2-Chloroethyl vinyl ether	63	6.501	6.495	0.006	76	7979	1.00	0.9268	
71 cis-1,3-Dichloropropene	75	6.635	6.629	0.006	88	15982	1.00	0.8924	
72 4-Methyl-2-pentanone (MIBK)	58	6.781	6.775	0.006	97	30063	5.00	4.74	
73 Toluene	92	6.933	6.933	0.000	98	29298	1.00	0.9569	
75 trans-1,3-Dichloropropene	75	7.195	7.189	0.006	95	14997	1.00	0.9143	
77 Ethyl methacrylate	69	7.256	7.256	0.000	89	12737	1.00	0.8449	
78 1,1,2-Trichloroethane	83	7.383	7.377	0.006	92	7666	1.00	0.8827	
79 Tetrachloroethene	166	7.469	7.469	0.000	93	12632	1.00	0.9410	
80 1,3-Dichloropropane	76	7.542	7.536	0.006	94	18480	1.00	0.9888	
82 2-Hexanone	43	7.621	7.615	0.006	98	48957	5.00	4.18	
83 Chlorodibromomethane	129	7.773	7.773	0.000	91	11137	1.00	0.9065	
84 Ethylene Dibromide	107	7.882	7.882	0.000	98	10492	1.00	0.9182	
85 Chlorobenzene	112	8.363	8.369	-0.006	95	31751	1.00	0.9117	
89 1,1,1,2-Tetrachloroethane	131	8.460	8.460	0.000	45	11932	1.00	0.9441	
88 Ethylbenzene	91	8.472	8.472	0.000	97	50521	1.00	0.8932	
90 m-Xylene & p-Xylene	106	8.588	8.594	-0.006	0	17518	1.00	0.8136	
91 o-Xylene	106	9.020	9.014	0.006	93	23599	1.00	1.05	
92 Styrene	104	9.044	9.044	0.000	91	33313	1.00	0.9227	
93 Bromoform	173	9.282	9.269	0.013	91	9252	1.00	1.17	
95 Isopropylbenzene	105	9.409	9.403	0.006	95	51845	1.00	0.8856	
97 Bromobenzene	156	9.738	9.744	-0.006	91	15017	1.00	0.9881	
98 1,1,2,2-Tetrachloroethane	83	9.780	9.780	0.000	92	13811	1.00	0.8910	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	83	5767	1.00	1.11	
100 N-Propylbenzene	91	9.841	9.835	0.006	98	62018	1.00	0.9303	
101 trans-1,4-Dichloro-2-buten	53	9.841	9.835	0.006	60	6373	1.00	1.11	
102 2-Chlorotoluene	126	9.939	9.933	0.007	96	11167	1.00	0.8057	
104 1,3,5-Trimethylbenzene	105	10.024	10.018	0.006	94	41177	1.00	0.8727	
105 4-Chlorotoluene	91	10.048	10.048	0.000	96	40322	1.00	0.9067	
106 tert-Butylbenzene	134	10.334	10.340	-0.006	92	10786	1.00	0.9500	
108 1,2,4-Trimethylbenzene	105	10.395	10.389	0.006	97	46235	1.00	0.9385	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	93	54893	1.00	0.8892	
110 1,3-Dichlorobenzene	146	10.681	10.675	0.006	95	28452	1.00	1.00	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	97	46841	1.00	0.8797	
113 1,4-Dichlorobenzene	146	10.772	10.760	0.012	77	27525	1.00	0.9640	
115 n-Butylbenzene	91	11.082	11.082	0.000	97	42215	1.00	0.8918	
116 1,2-Dichlorobenzene	146	11.119	11.113	0.006	97	24136	1.00	0.8789	
117 1,2-Dibromo-3-Chloropropan	75	11.831	11.837	-0.006	12	2161	1.00	0.7331	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	91	14840	1.00	0.8088	
120 Hexachlorobutadiene	225	12.658	12.652	0.006	92	7882	1.00	0.9220	
121 Naphthalene	128	12.743	12.737	0.006	97	44822	1.00	0.8382	
122 1,2,3-Trichlorobenzene	180	12.938	12.944	-0.006	90	14689	1.00	0.8713	
S 124 1,2-Dichloroethene, Total	1				0			1.95	
S 125 Total BTEX	1				0			4.68	
S 126 Xylenes, Total	1				0			1.87	
S 123 1,3-Dichloropropene, Total	1				0			1.81	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00127

Amount Added: 1.00

Units: uL

GAS CORP mix_00286

Amount Added: 1.00

Units: uL

N_8260_Surr_00332

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00117

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180615-72372.b\\N0610.D

Injection Date: 15-Jun-2018 14:19:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

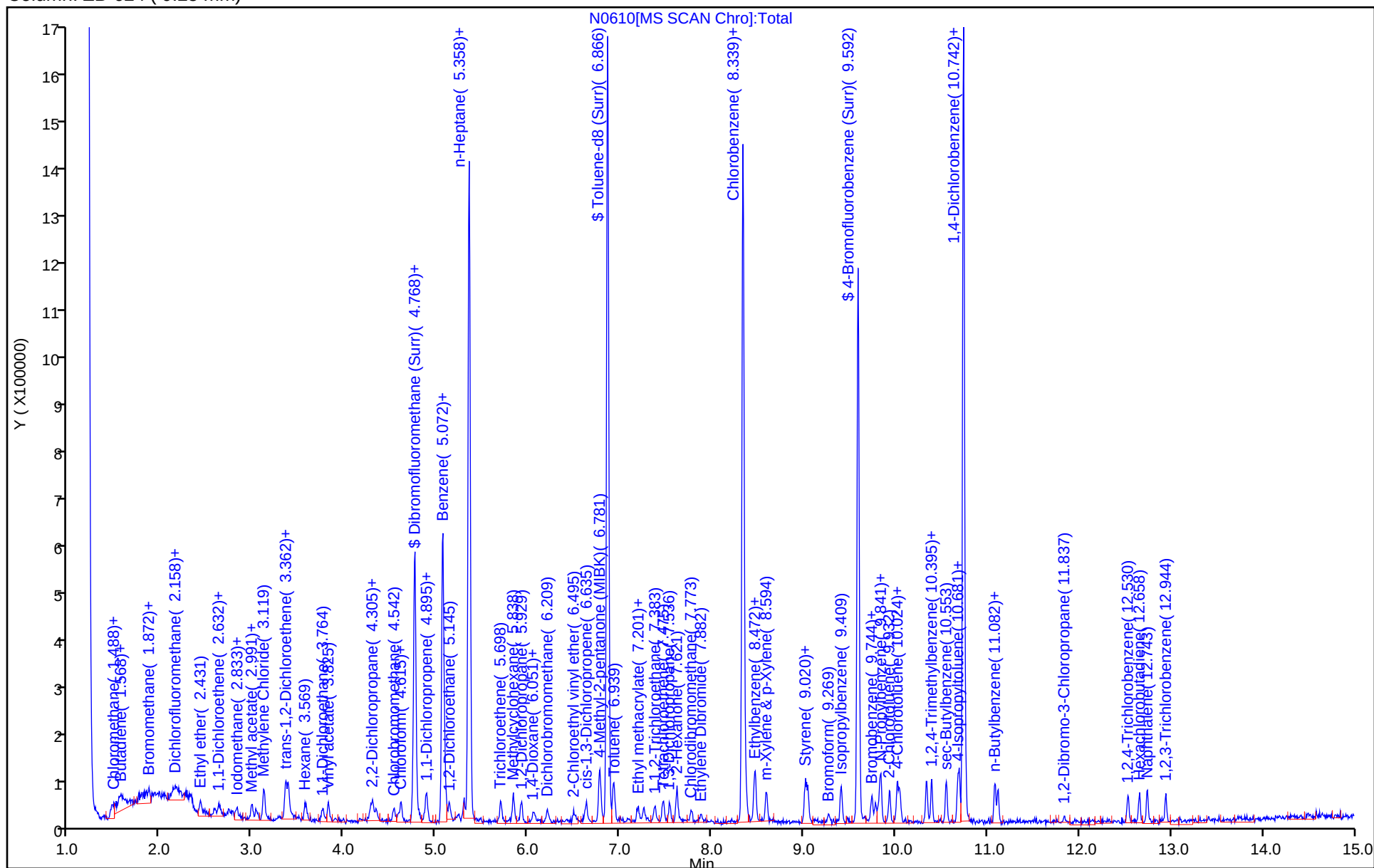
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0610.D

Injection Date: 15-Jun-2018 14:19:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

4

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

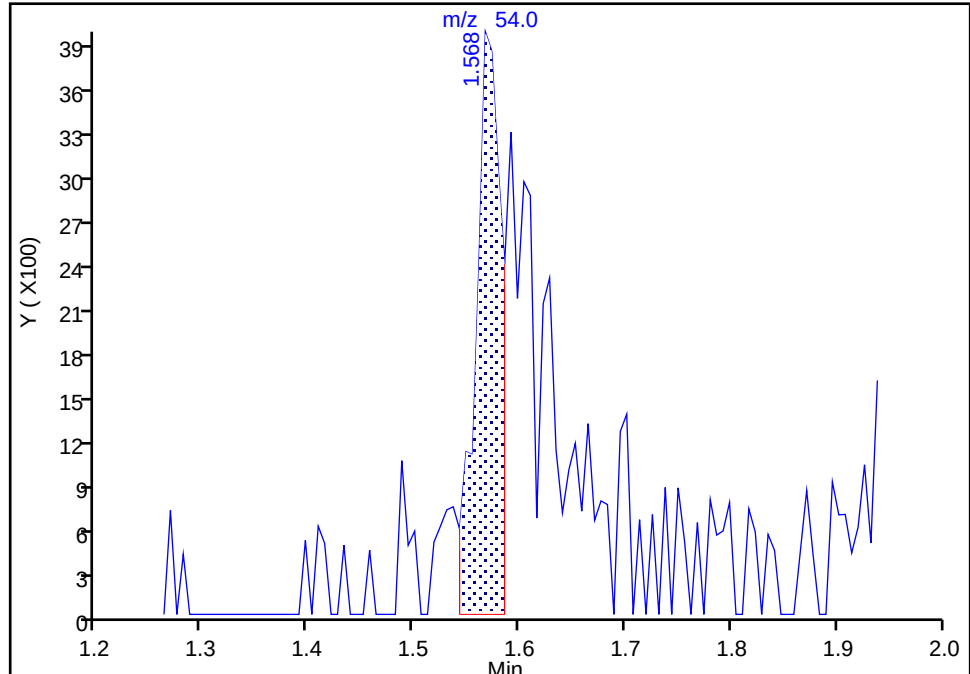
Detector: MS SCAN

144 Butadiene, CAS: 106-99-0

Signal: 1

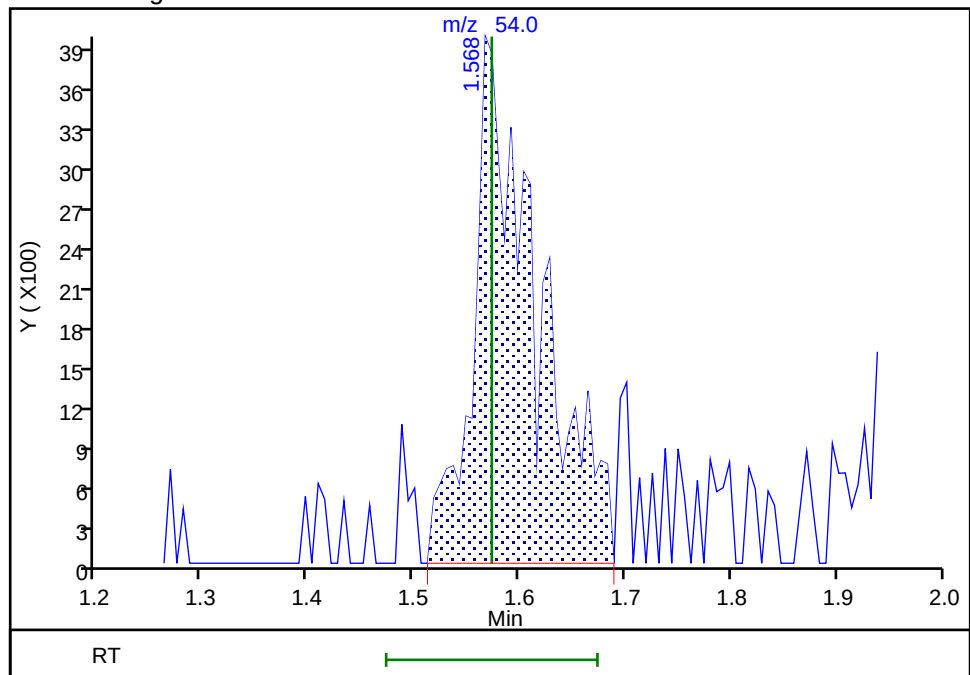
RT: 1.57
Area: 6716
Amount: 0.544583
Amount Units: ug/L

Processing Integration Results



RT: 1.57
Area: 16558
Amount: 1.144498
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 19:10:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0610.D

Injection Date: 15-Jun-2018 14:19:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

4

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

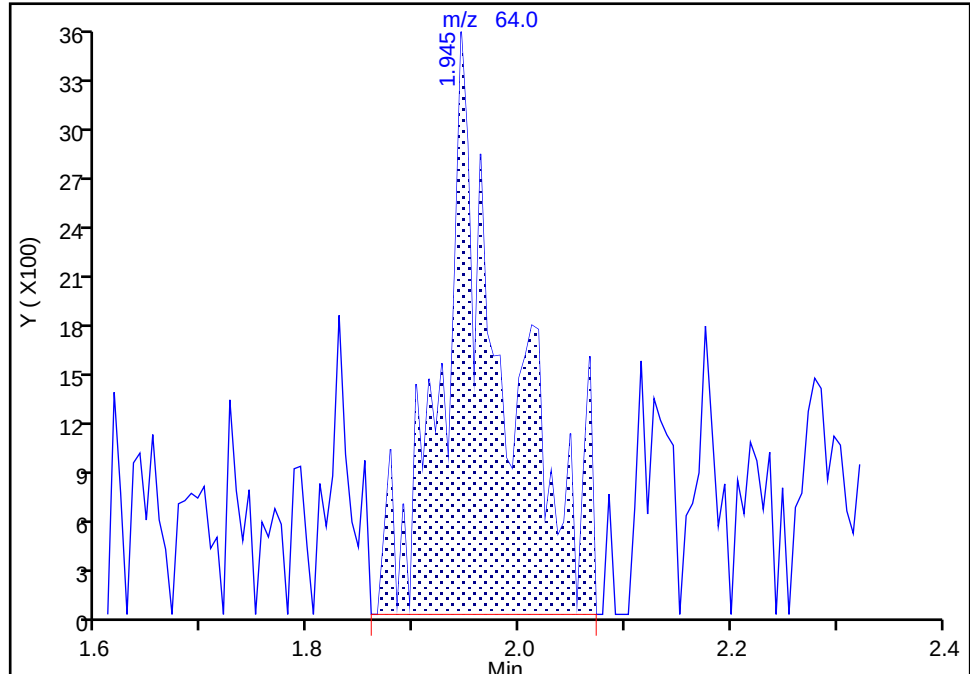
Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

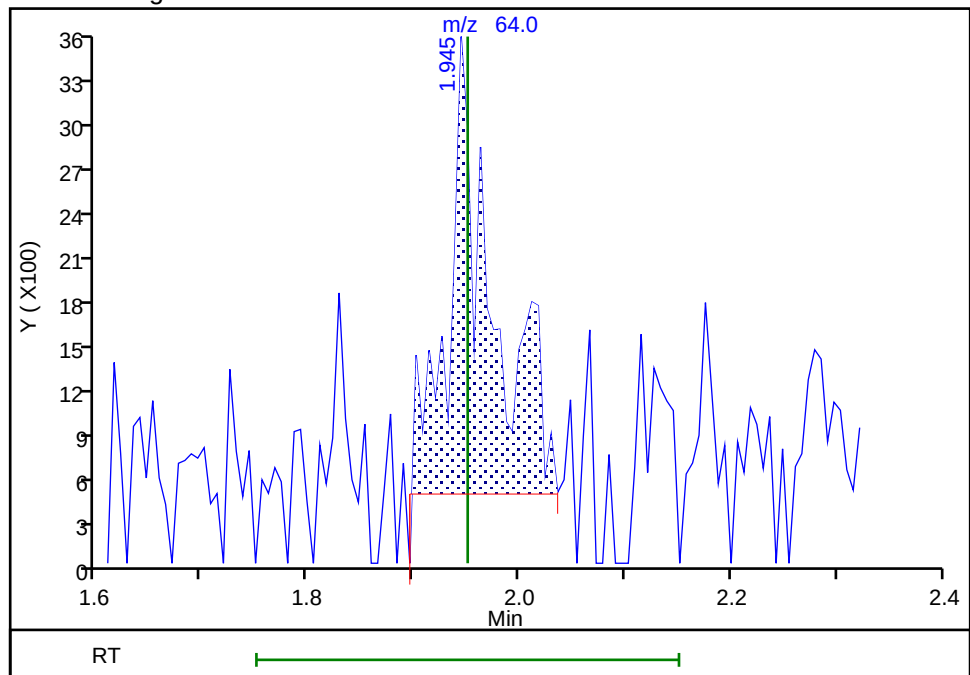
RT: 1.94
Area: 15190
Amount: 1.717470
Amount Units: ug/L

Processing Integration Results



RT: 1.94
Area: 8769
Amount: 1.226231
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 16-Jun-2018 11:01:54

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0610.D

Injection Date: 15-Jun-2018 14:19:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

4

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

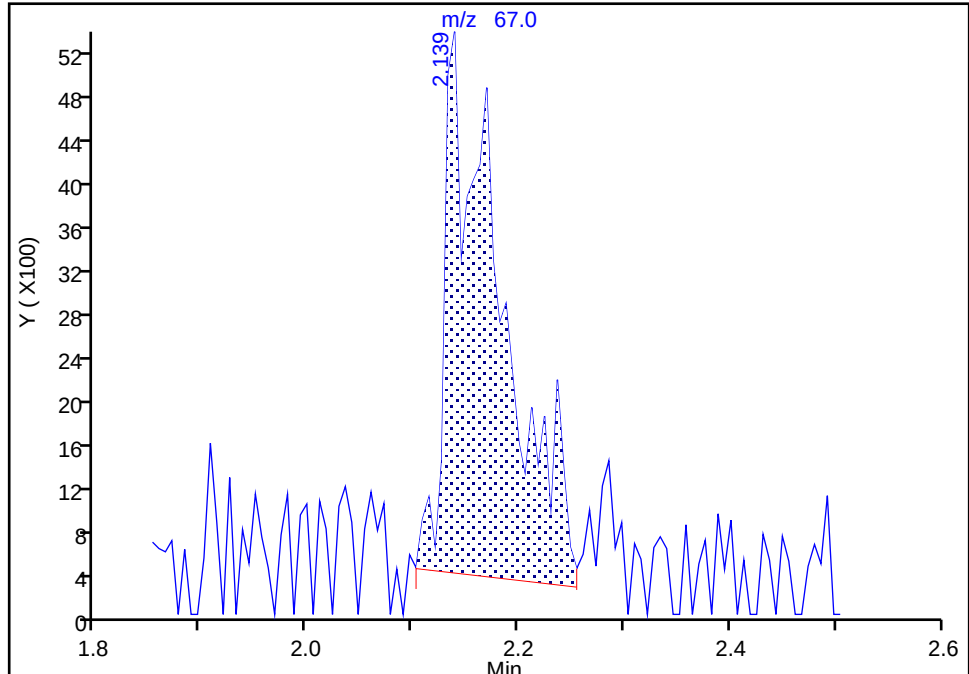
Detector: MS SCAN

17 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

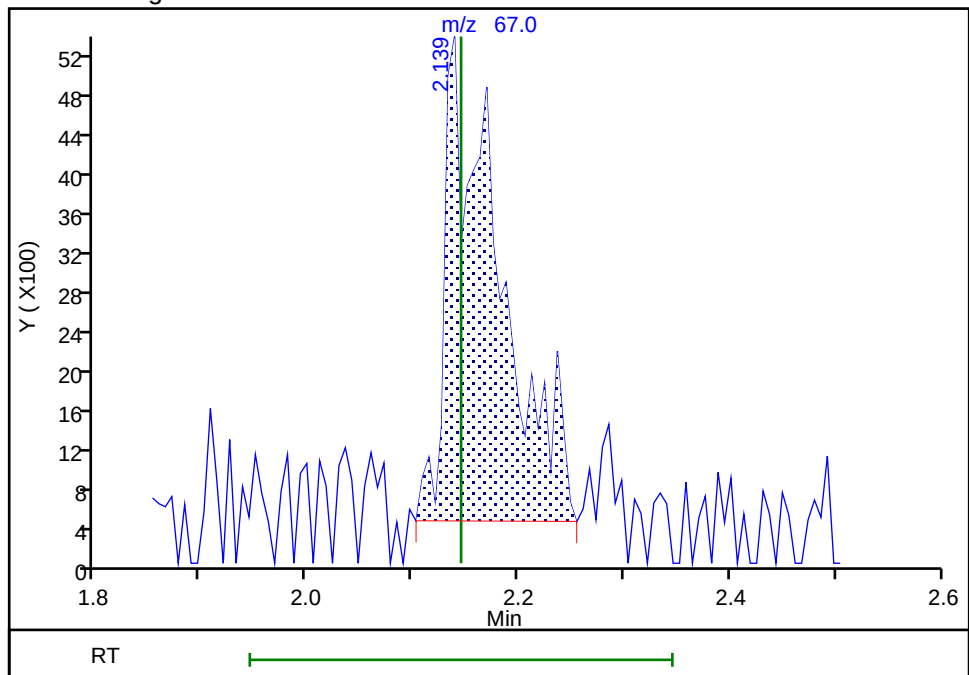
RT: 2.14
Area: 18326
Amount: 1.046291
Amount Units: ug/L

Processing Integration Results



RT: 2.14
Area: 17443
Amount: 0.989936
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 19:12:15

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180615-72372.b\\N0610.D

Injection Date: 15-Jun-2018 14:19:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

4

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

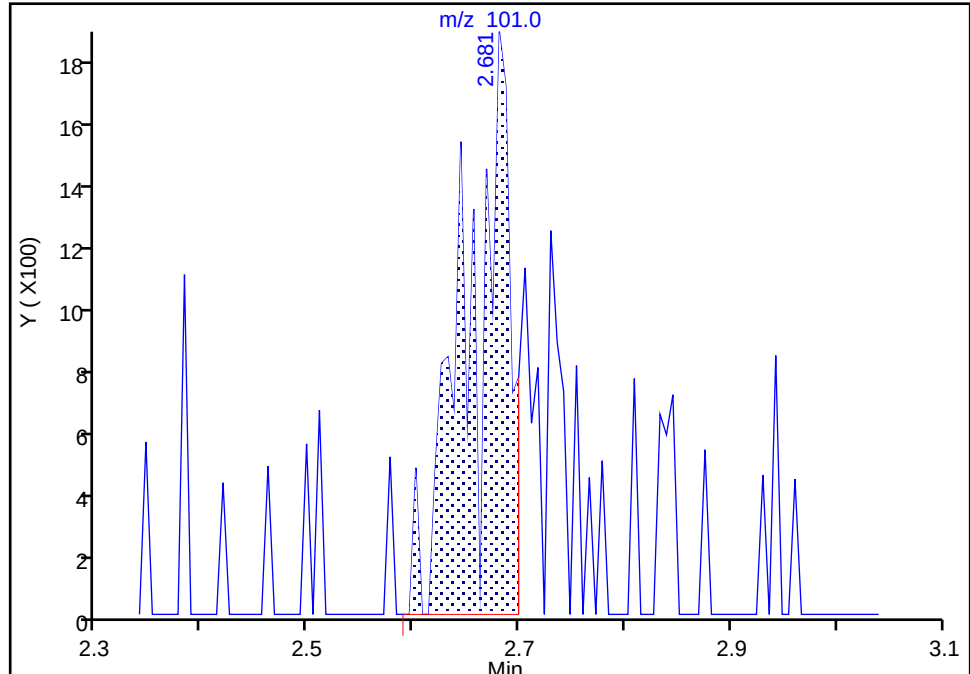
Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

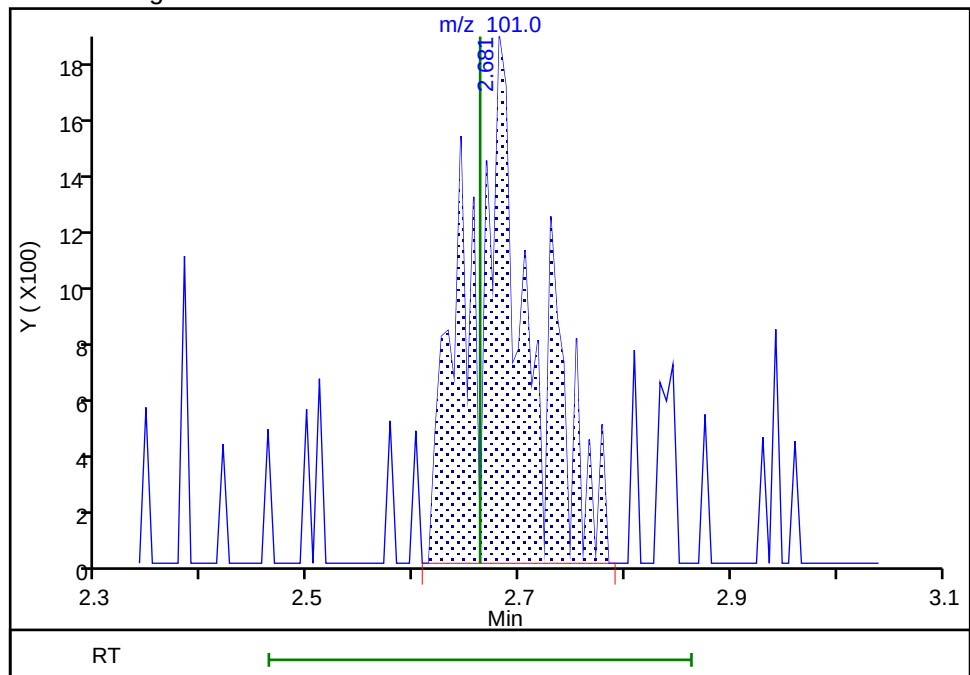
RT: 2.68
Area: 4905
Amount: 0.807006
Amount Units: ug/L

Processing Integration Results



RT: 2.68
Area: 7224
Amount: 0.749491
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 16-Jun-2018 10:59:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0610.D

Injection Date: 15-Jun-2018 14:19:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

4

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

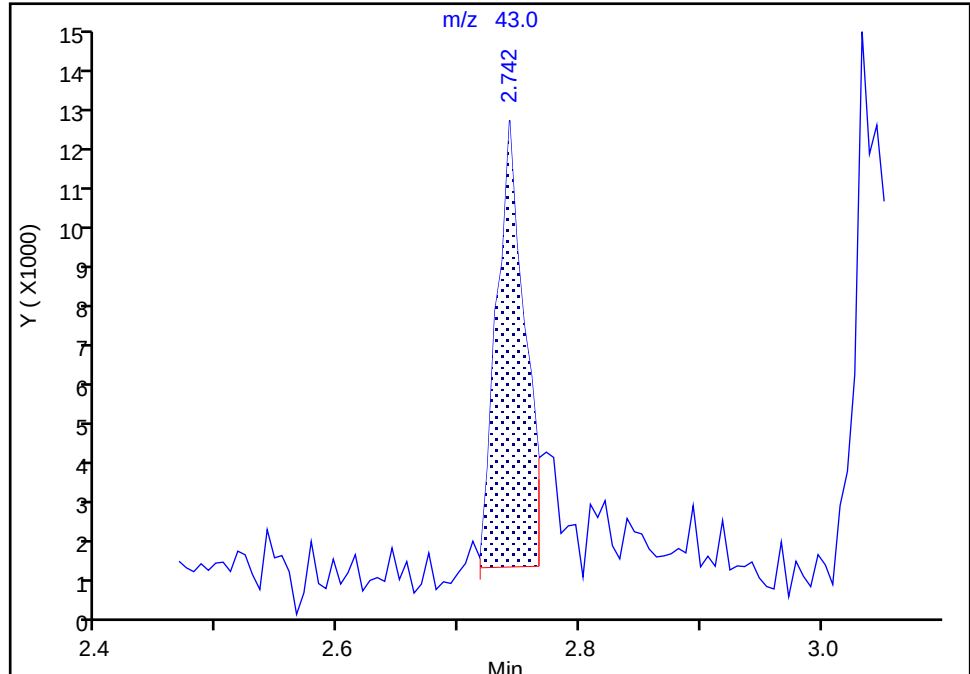
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

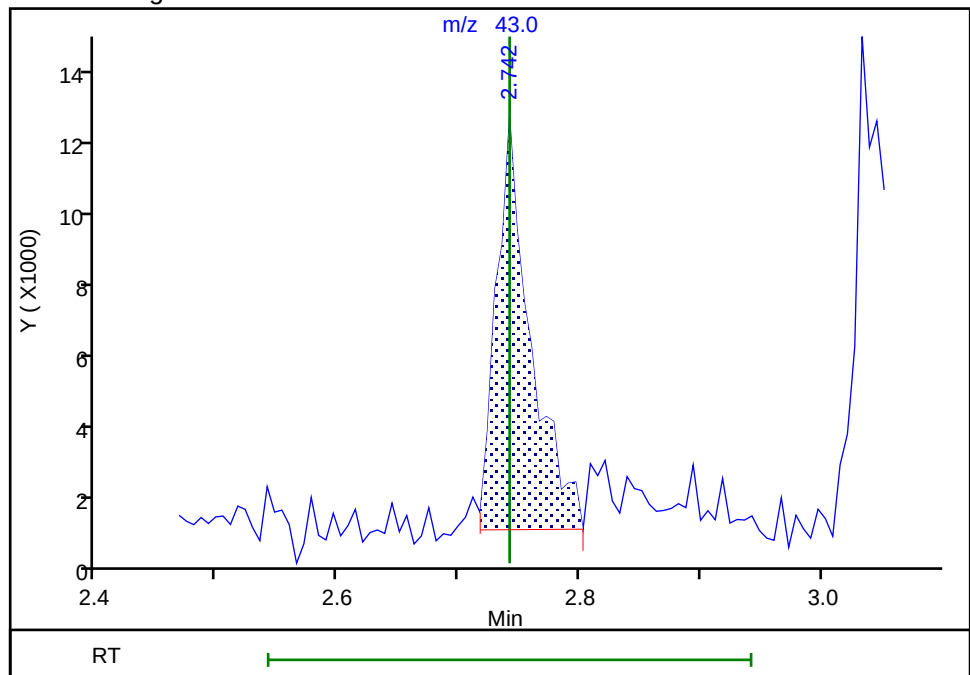
RT: 2.74
Area: 18274
Amount: 4.241317
Amount Units: ug/L

Processing Integration Results



RT: 2.74
Area: 22724
Amount: 5.563554
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:07:34

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

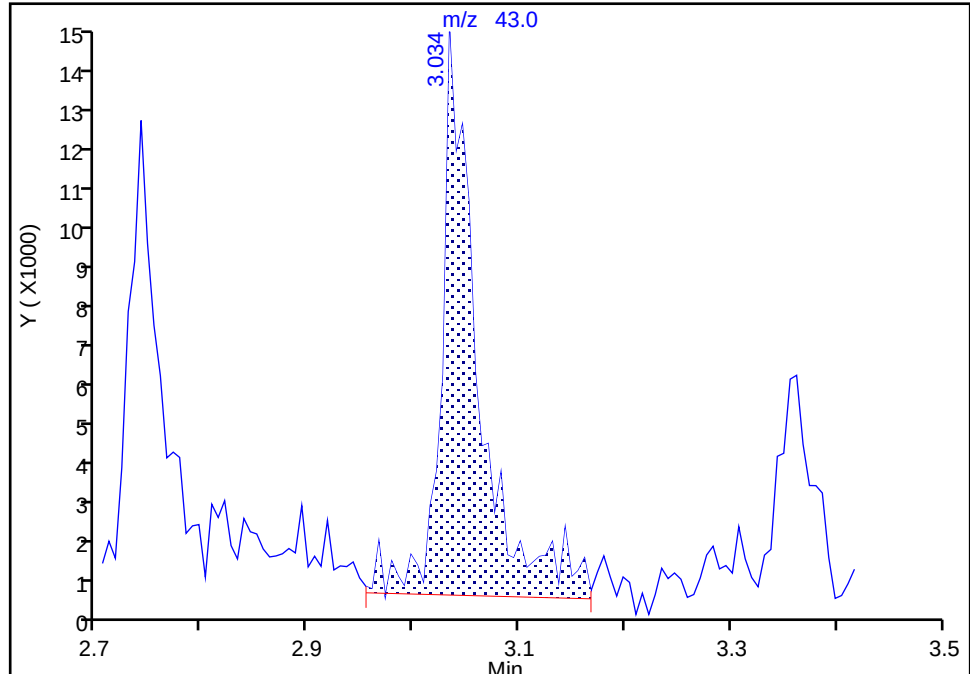
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0610.D
Injection Date: 15-Jun-2018 14:19:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

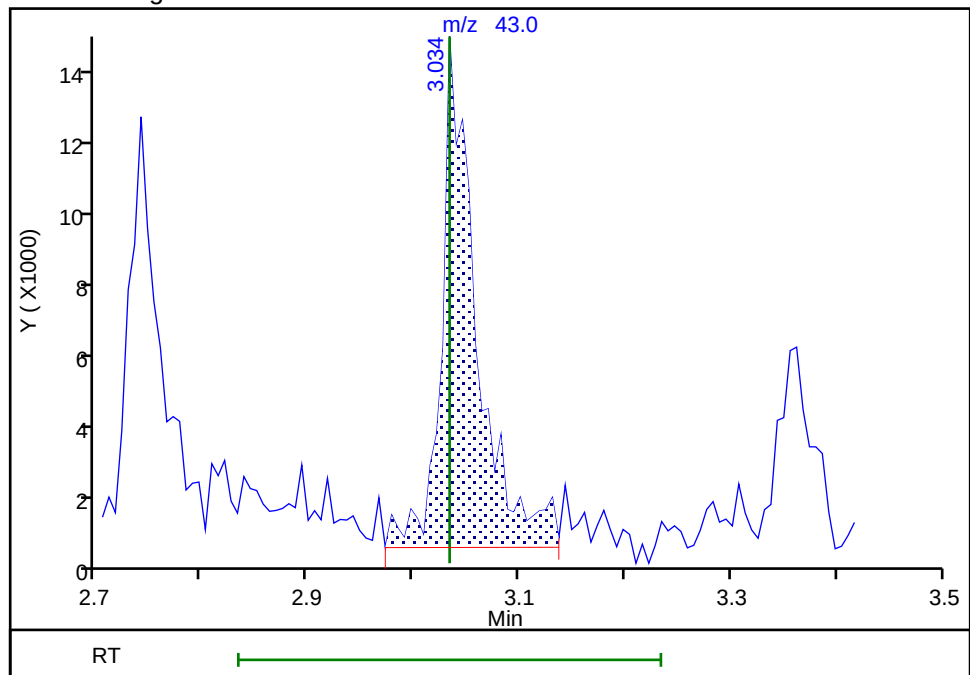
RT: 3.03
Area: 34522
Amount: 2.411073
Amount Units: ug/L

Processing Integration Results



RT: 3.03
Area: 32730
Amount: 2.306536
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:08:07
Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

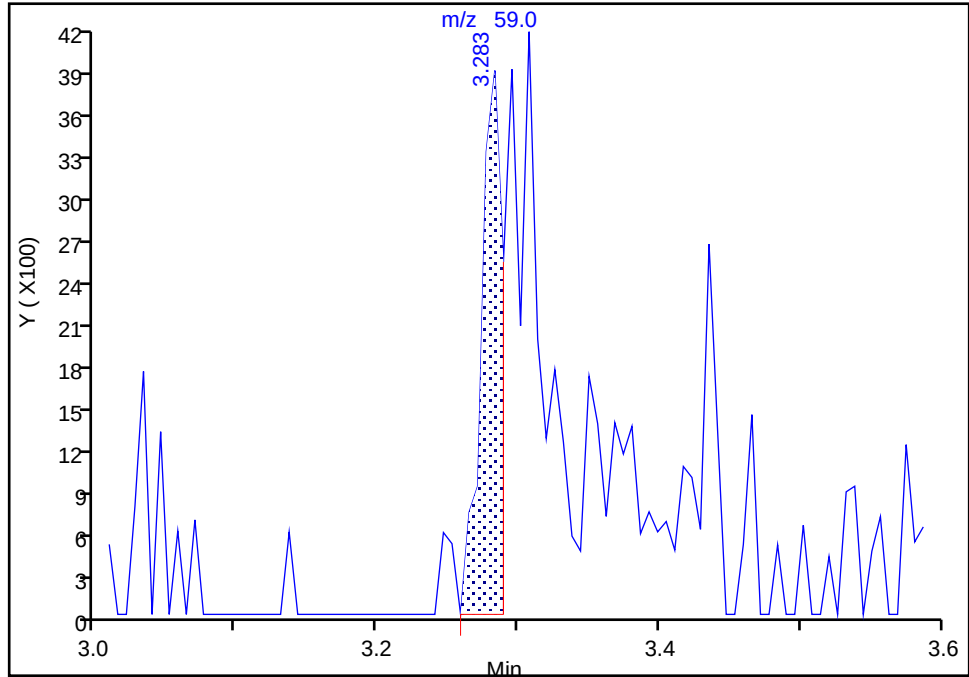
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0610.D
Injection Date: 15-Jun-2018 14:19:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

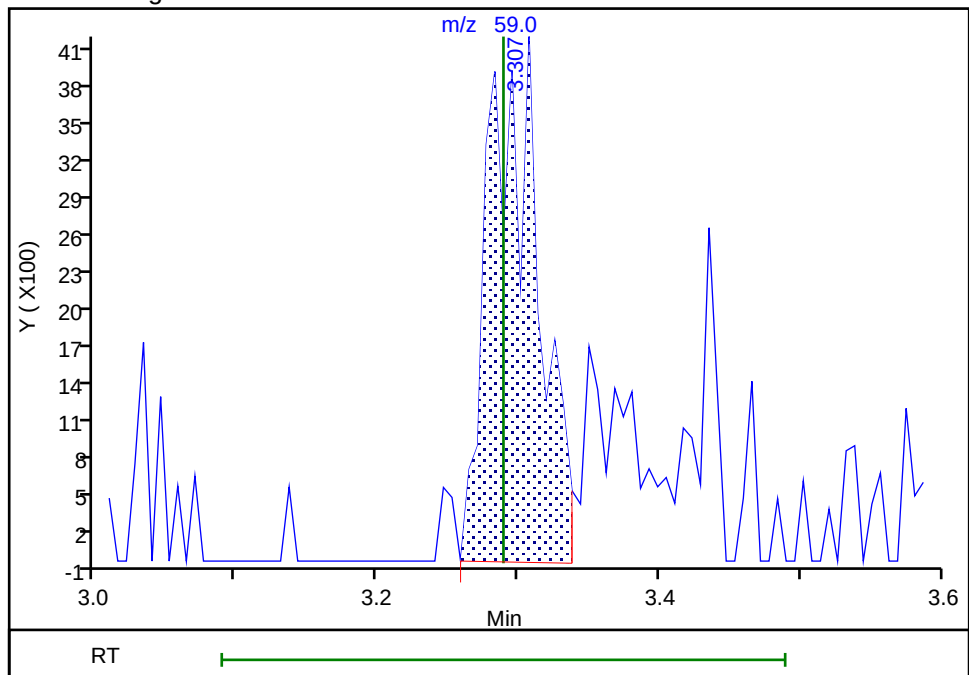
RT: 3.28
Area: 4119
Amount: 5.494252
Amount Units: ug/L

Processing Integration Results



RT: 3.31
Area: 10287
Amount: 10.642360
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:08:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0610.D

Injection Date: 15-Jun-2018 14:19:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

4

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

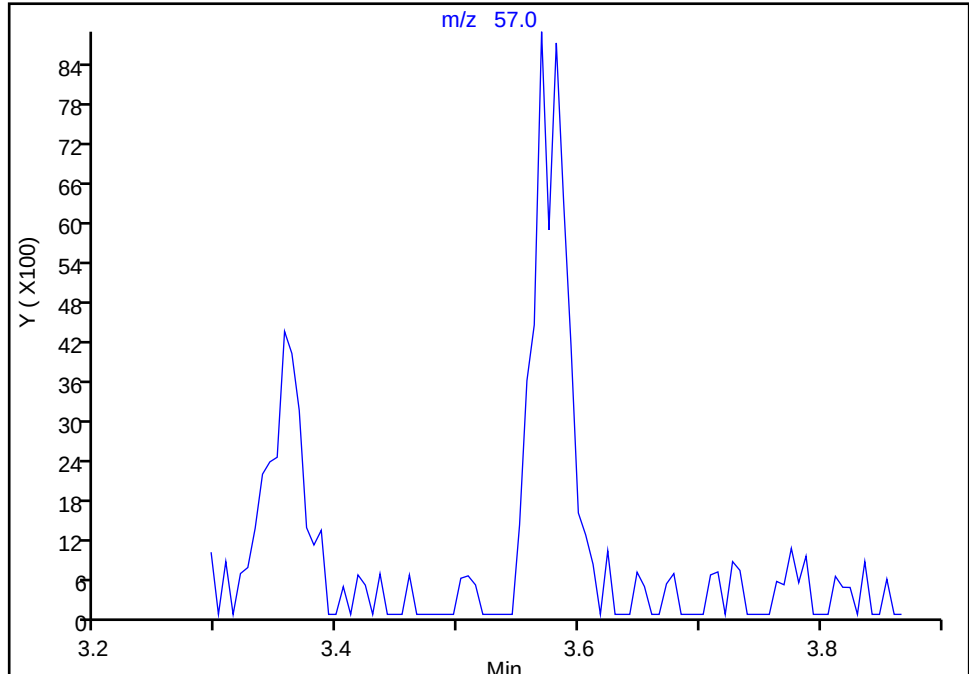
35 Hexane, CAS: 110-54-3

Signal: 1

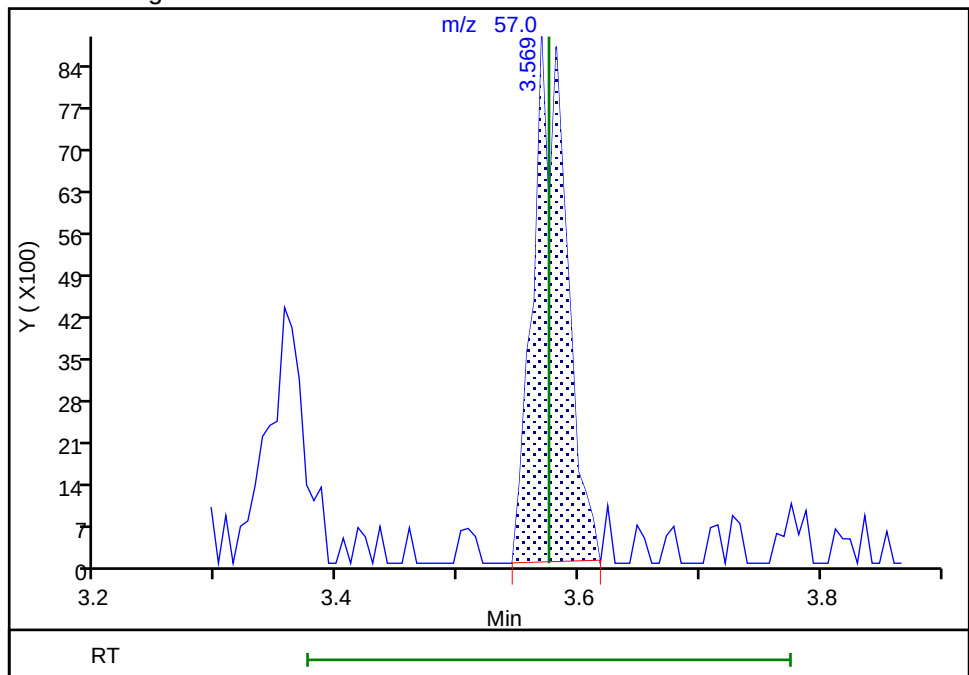
Not Detected

Expected RT: 3.58

Processing Integration Results



Manual Integration Results



RT: 3.57

Area: 16902

Amount: 0.862096

Amount Units: ug/L

Reviewer: milligana, 15-Jun-2018 20:09:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0610.D

Injection Date: 15-Jun-2018 14:19:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

4

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

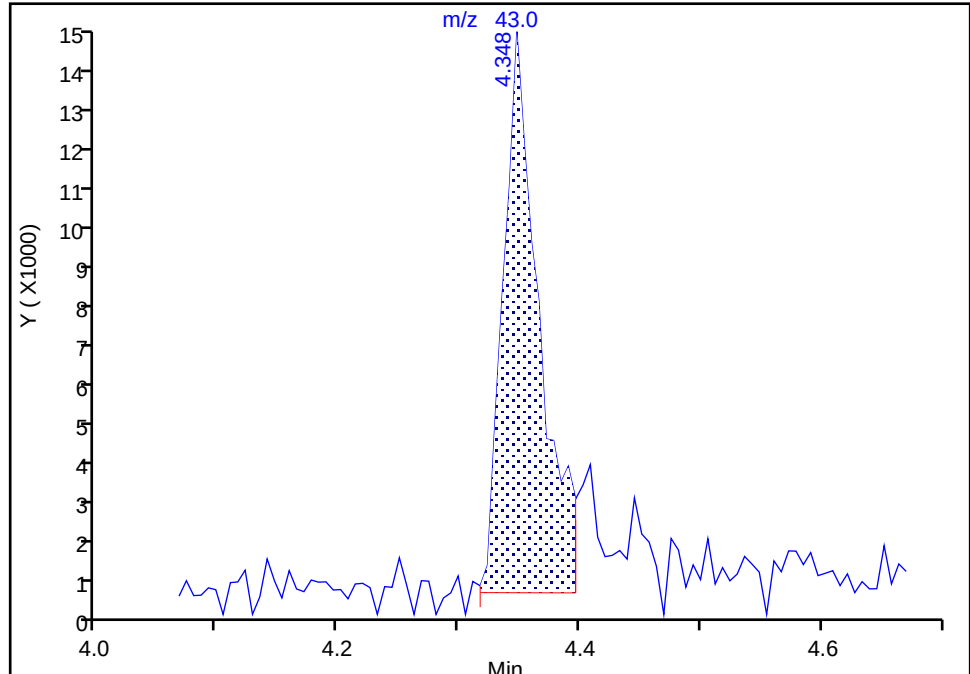
Detector: MS SCAN

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

Signal: 1

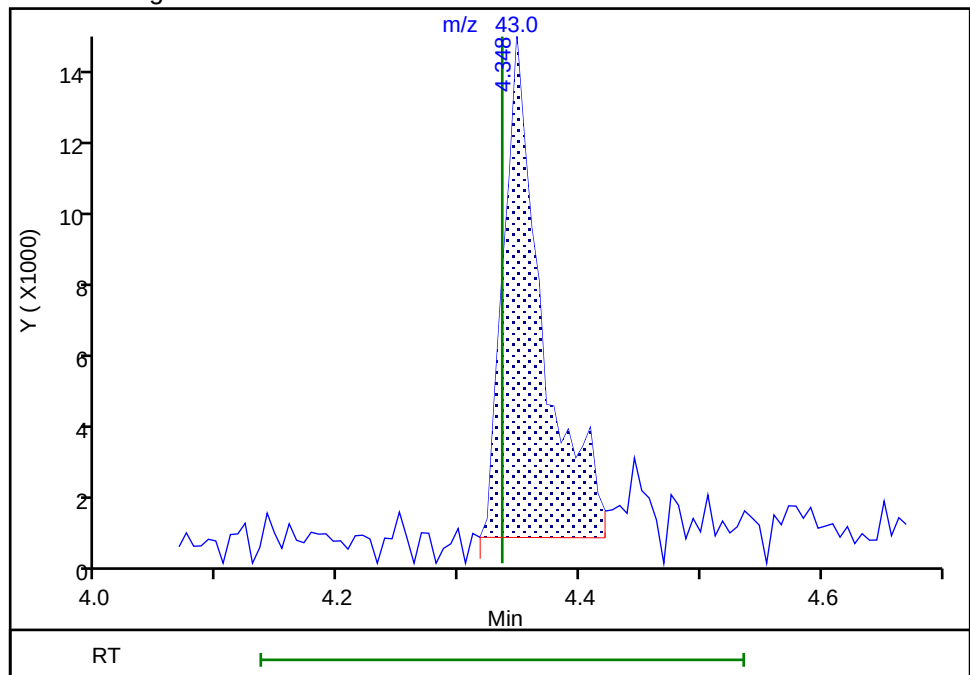
RT: 4.35
Area: 29975
Amount: 3.973543
Amount Units: ug/L

Processing Integration Results



RT: 4.35
Area: 31904
Amount: 4.261282
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:09:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0610.D

Injection Date: 15-Jun-2018 14:19:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

4

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

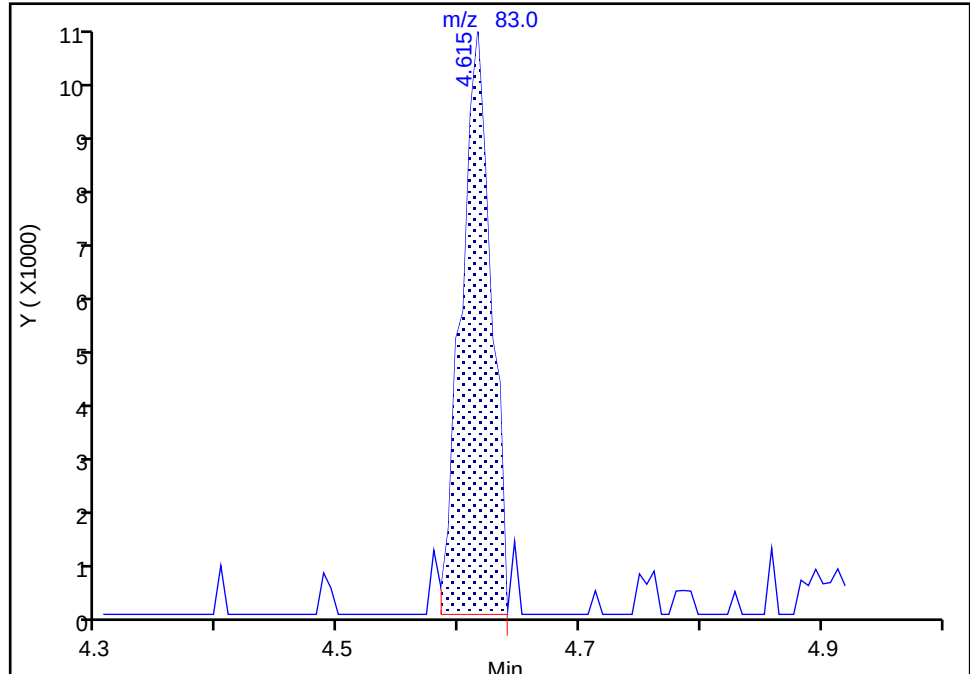
Detector: MS SCAN

50 Chloroform, CAS: 67-66-3

Signal: 1

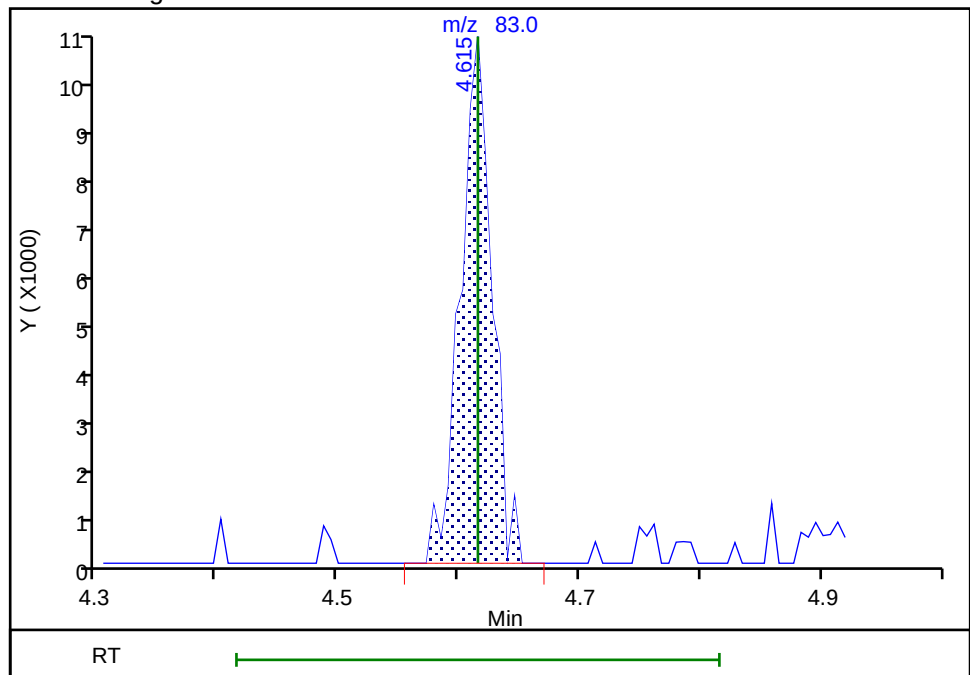
RT: 4.62
Area: 18353
Amount: 0.858042
Amount Units: ug/L

Processing Integration Results



RT: 4.62
Area: 19272
Amount: 0.883930
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:10:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0610.D

Injection Date: 15-Jun-2018 14:19:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

4

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

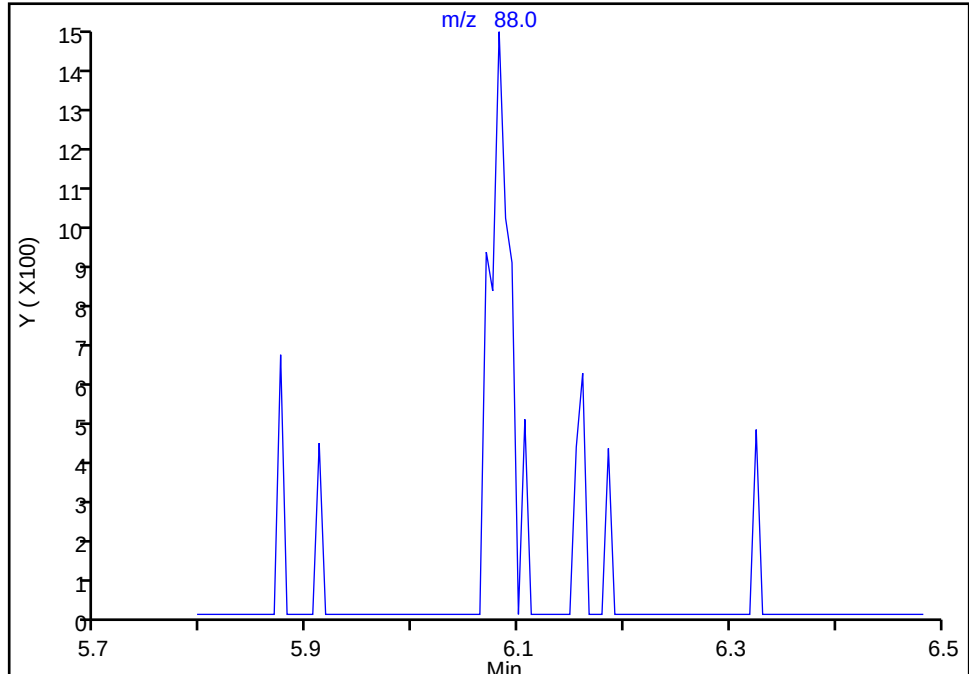
66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

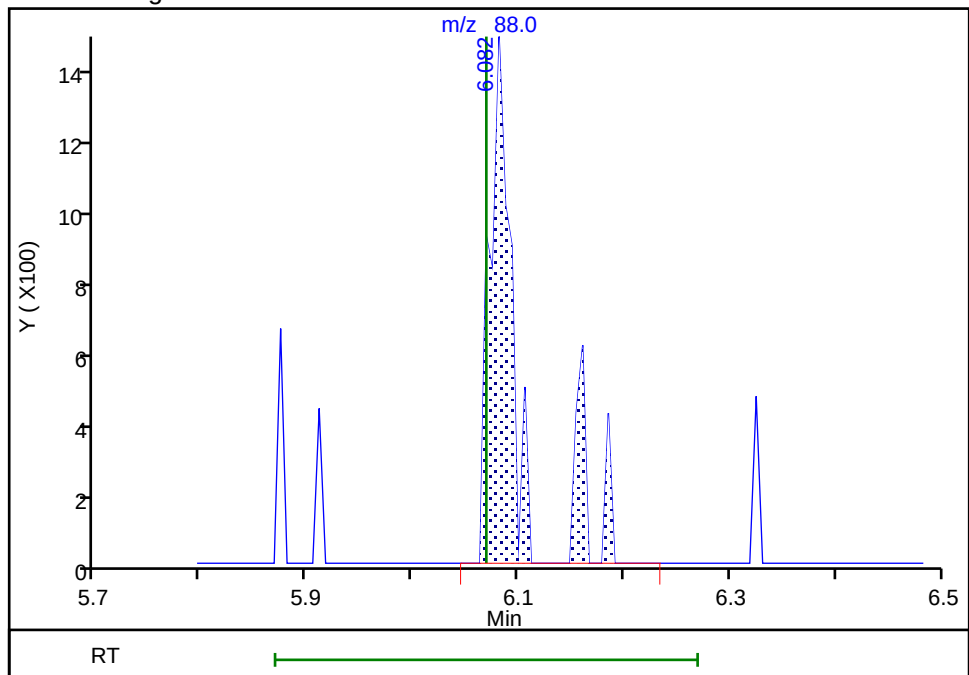
Not Detected

Expected RT: 6.07

Processing Integration Results



Manual Integration Results



RT: 6.08

Area: 2487

Amount: 15.495241

Amount Units: ug/L

Reviewer: milligana, 15-Jun-2018 20:11:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0611.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 15-Jun-2018 14:46:30 ALS Bottle#: 5 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0072372-009
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jun-2018 12:44:13 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK052

First Level Reviewer: HillL

Date: 15-Jun-2018 17:11:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.357	0.001	98	208306	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.338	0.001	88	775990	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.741	0.001	97	397132	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.761	4.768	-0.007	93	292346	25.0	24.6	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.066	5.066	0.000	0	361111	25.0	24.4	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	1015521	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	89	317150	25.0	24.8	
11 Dichlorodifluoromethane	85	1.300	1.300	0.000	96	26117	2.00	2.09	
13 Chloromethane	50	1.470	1.464	0.006	99	36796	2.00	2.13	M
14 Vinyl chloride	62	1.549	1.549	0.000	94	31913	2.00	2.20	
144 Butadiene	54	1.574	1.574	0.000	82	30485	2.00	2.06	M
15 Bromomethane	94	1.847	1.854	-0.007	82	17795	2.00	2.23	
16 Chloroethane	64	1.945	1.951	-0.006	78	13279	2.00	1.82	M
17 Dichlorofluoromethane	67	2.152	2.146	0.006	92	39139	2.00	2.17	Ma
18 Trichlorofluoromethane	101	2.133	2.152	-0.019	79	33160	2.00	2.01	M
19 Ethyl ether	59	2.425	2.431	-0.006	96	24441	2.00	1.86	
20 Acrolein	56	2.584	2.584	0.000	95	21808	10.0	9.40	M
22 1,1-Dichloroethene	96	2.626	2.632	-0.006	95	21557	2.00	1.99	M
21 1,1,2-Trichloro-1,2,2-trif	101	2.650	2.663	-0.013	41	19112	2.00	1.94	M
23 Acetone	43	2.742	2.742	0.000	98	45821	10.0	11.0	
24 Iodomethane	142	2.778	2.778	0.000	98	42083	2.00	2.11	
25 Carbon disulfide	76	2.821	2.827	-0.006	99	75445	2.00	2.25	M
27 3-Chloro-1-propene	41	2.991	2.991	0.000	83	46712	2.00	1.98	
28 Methyl acetate	43	3.040	3.034	0.006	99	54523	4.00	3.76	
30 Methylene Chloride	84	3.119	3.125	-0.006	93	35863	2.00	1.94	M
31 2-Methyl-2-propanol	59	3.295	3.289	0.006	85	18137	20.0	18.3	M
33 trans-1,2-Dichloroethene	96	3.356	3.356	0.000	88	27808	2.00	2.17	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	97	74049	2.00	1.84	
34 Acrylonitrile	53	3.387	3.380	0.007	98	131174	20.0	19.5	M
35 Hexane	57	3.569	3.575	-0.006	93	41324	2.00	2.06	

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	3.758	3.764	-0.006	96	43458	2.00	1.81	
39 Vinyl acetate	43	3.819	3.819	0.000	97	93218	4.00	3.49	
42 2,2-Dichloropropane	77	4.281	4.281	0.000	89	33175	2.00	2.03	
43 cis-1,2-Dichloroethene	96	4.311	4.305	0.006	84	29118	2.00	2.07	
44 2-Butanone (MEK)	43	4.342	4.336	0.006	98	65267	10.0	8.52	
47 Chlorobromomethane	128	4.530	4.536	-0.006	95	14230	2.00	1.97	
49 Tetrahydrofuran	42	4.573	4.567	0.006	80	18835	4.00	3.18	
50 Chloroform	83	4.615	4.615	0.000	96	43392	2.00	1.95	
51 1,1,1-Trichloroethane	97	4.737	4.737	0.000	85	37037	2.00	1.99	
52 Cyclohexane	56	4.768	4.761	0.007	37	46345	2.00	2.08	
53 Carbon tetrachloride	117	4.883	4.889	-0.006	86	30743	2.00	1.95	
54 1,1-Dichloropropene	75	4.889	4.895	-0.006	84	30124	2.00	1.85	
56 Isobutyl alcohol	43	5.090	5.090	0.000	45	38851	50.0	47.0	M
55 Benzene	78	5.090	5.090	0.000	95	96861	2.00	2.04	
57 1,2-Dichloroethane	62	5.145	5.139	0.006	96	43013	2.00	2.02	
59 n-Heptane	43	5.303	5.303	0.000	92	34837	2.00	1.72	
60 Trichloroethene	95	5.698	5.698	0.000	93	26268	2.00	2.03	
62 Methylcyclohexane	83	5.844	5.838	0.006	94	43024	2.00	2.10	
63 1,2-Dichloropropane	63	5.930	5.923	0.007	87	25810	2.00	2.00	
64 Dibromomethane	93	6.057	6.051	0.006	88	16844	2.00	1.97	
66 1,4-Dioxane	88	6.124	6.069	0.055	28	5905	40.0	37.7	M
67 Dichlorobromomethane	83	6.209	6.209	0.000	96	31858	2.00	2.00	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	93	15657	2.00	1.78	
71 cis-1,3-Dichloropropene	75	6.629	6.629	0.000	89	32655	2.00	1.78	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	99	57205	10.0	9.23	
73 Toluene	92	6.933	6.933	0.000	97	58432	2.00	1.95	
75 trans-1,3-Dichloropropene	75	7.195	7.189	0.006	92	27295	2.00	1.70	
77 Ethyl methacrylate	69	7.256	7.256	0.000	95	26940	2.00	1.83	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	90	16394	2.00	1.93	
79 Tetrachloroethene	166	7.469	7.469	0.000	92	25843	2.00	1.97	
80 1,3-Dichloropropane	76	7.542	7.536	0.006	96	34479	2.00	1.89	
82 2-Hexanone	43	7.621	7.615	0.006	97	104708	10.0	9.16	
83 Chlorodibromomethane	129	7.773	7.773	0.000	89	23057	2.00	1.92	
84 Ethylene Dibromide	107	7.882	7.882	0.000	99	20231	2.00	1.81	
85 Chlorobenzene	112	8.363	8.369	-0.006	97	66622	2.00	1.96	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.460	0.006	44	22310	2.00	1.81	
88 Ethylbenzene	91	8.472	8.472	0.000	99	106368	2.00	1.93	
90 m-Xylene & p-Xylene	106	8.600	8.594	0.006	0	41776	2.00	1.99	
91 o-Xylene	106	9.014	9.014	0.000	98	40613	2.00	1.86	
92 Styrene	104	9.044	9.044	0.000	93	68788	2.00	1.95	
93 Bromoform	173	9.282	9.269	0.013	93	12946	2.00	1.67	
95 Isopropylbenzene	105	9.409	9.403	0.006	96	113200	2.00	1.99	
97 Bromobenzene	156	9.750	9.744	0.006	90	29254	2.00	1.98	
98 1,1,2,2-Tetrachloroethane	83	9.787	9.780	0.006	92	30957	2.00	2.05	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	90	10836	2.00	2.14	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.835	0.000	61	9456	2.00	1.69	
100 N-Propylbenzene	91	9.841	9.835	0.006	98	127750	2.00	1.97	
102 2-Chlorotoluene	126	9.939	9.933	0.007	95	27100	2.00	2.01	
104 1,3,5-Trimethylbenzene	105	10.024	10.018	0.006	94	92177	2.00	2.01	
105 4-Chlorotoluene	91	10.048	10.048	0.000	96	84162	2.00	1.95	
106 tert-Butylbenzene	134	10.340	10.340	0.000	94	21522	2.00	1.95	
108 1,2,4-Trimethylbenzene	105	10.389	10.389	0.000	97	94907	2.00	1.98	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	94	121210	2.00	2.02	
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	97	52675	2.00	1.91	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	98	104809	2.00	2.02	
113 1,4-Dichlorobenzene	146	10.760	10.760	0.000	91	57197	2.00	2.06	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	88976	2.00	1.93	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	93	50025	2.00	1.87	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.837	0.000	85	5169	2.00	1.80	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	94	34189	2.00	1.92	
120 Hexachlorobutadiene	225	12.652	12.652	0.000	89	15756	2.00	1.89	
121 Naphthalene	128	12.737	12.737	0.000	97	92256	2.00	1.77	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	95	30242	2.00	1.84	
S 126 Xylenes, Total	1				0			3.84	
S 123 1,3-Dichloropropene, Total	1				0			3.49	
S 124 1,2-Dichloroethene, Total	1				0			4.25	
S 125 Total BTEX	1				0			9.76	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00127

Amount Added: 2.00

Units: uL

GAS CORP mix_00286

Amount Added: 2.00

Units: uL

N_8260_Surr_00332

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00117

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0611.D

Injection Date: 15-Jun-2018 14:46:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 2

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

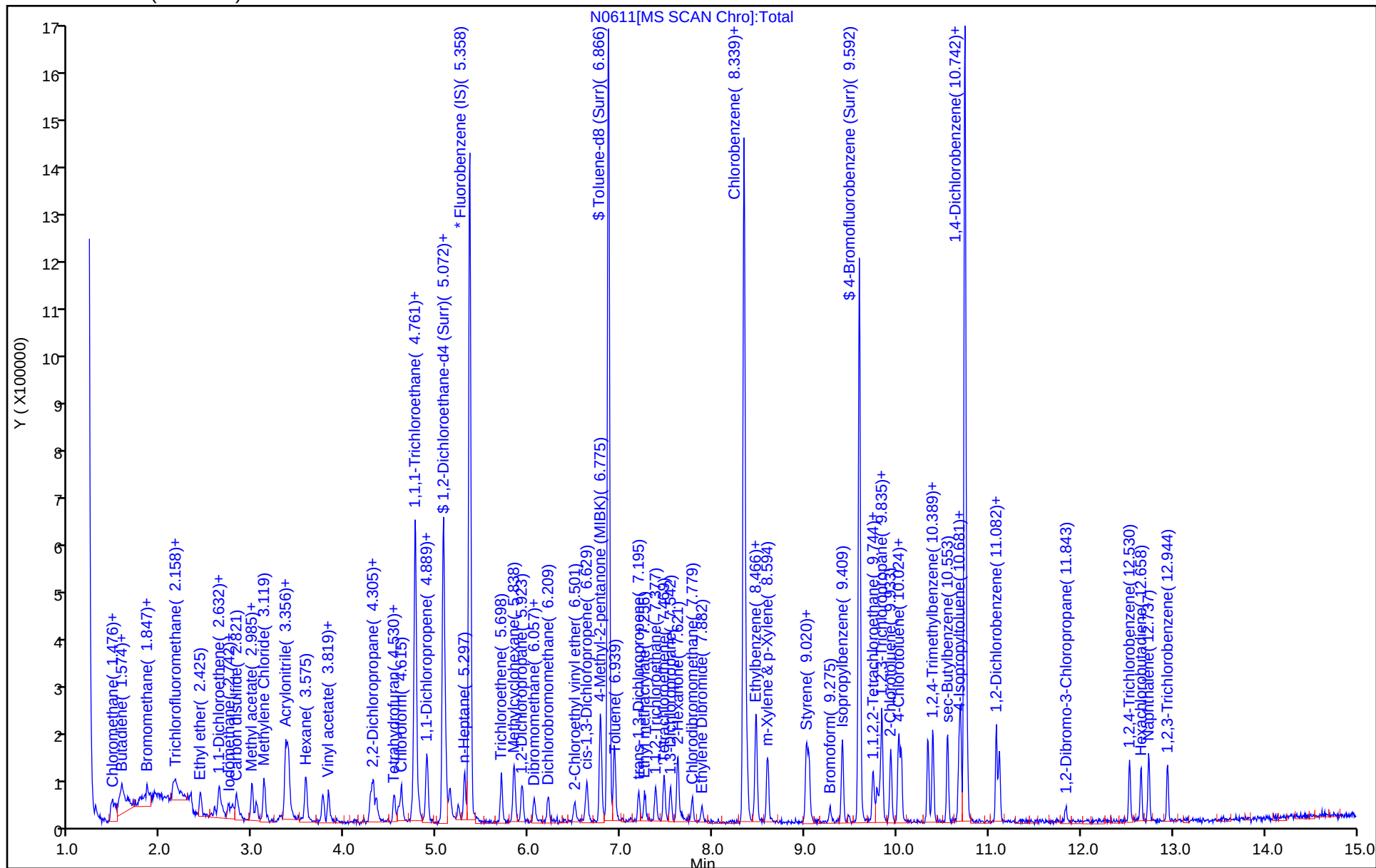
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0611.D

Injection Date: 15-Jun-2018 14:46:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

5

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

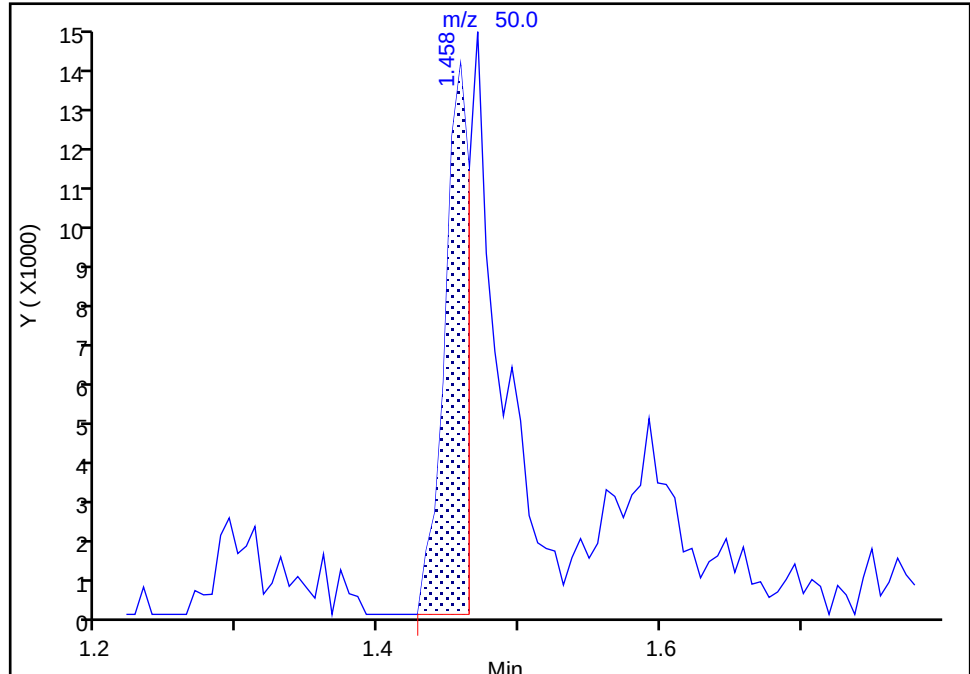
Detector: MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

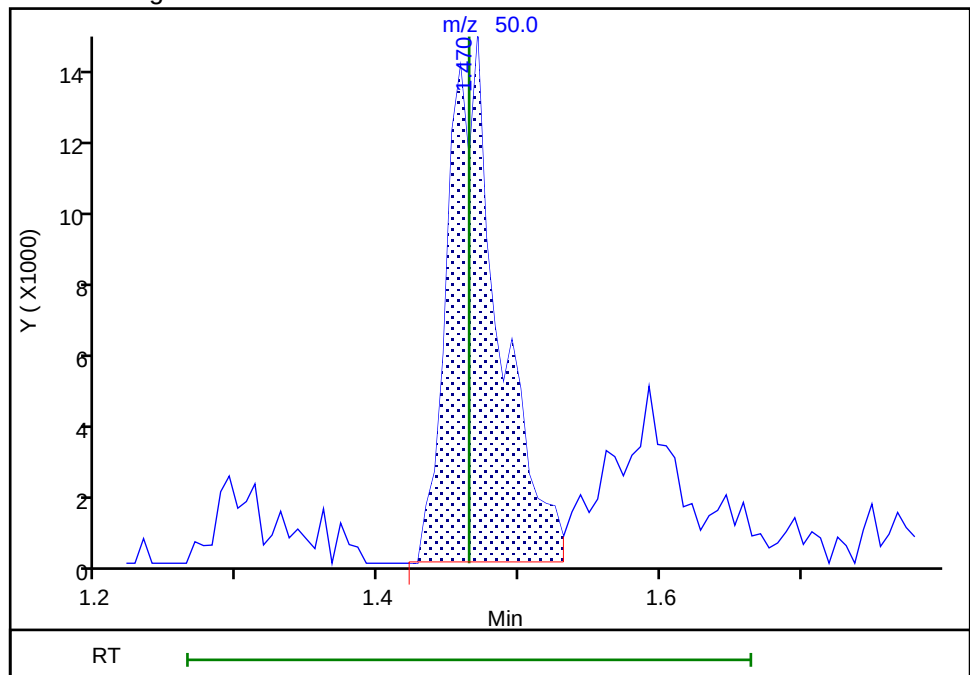
RT: 1.46
Area: 17127
Amount: 1.129916
Amount Units: ug/L

Processing Integration Results



RT: 1.47
Area: 36796
Amount: 2.127868
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:30:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0611.D

Injection Date: 15-Jun-2018 14:46:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

5

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

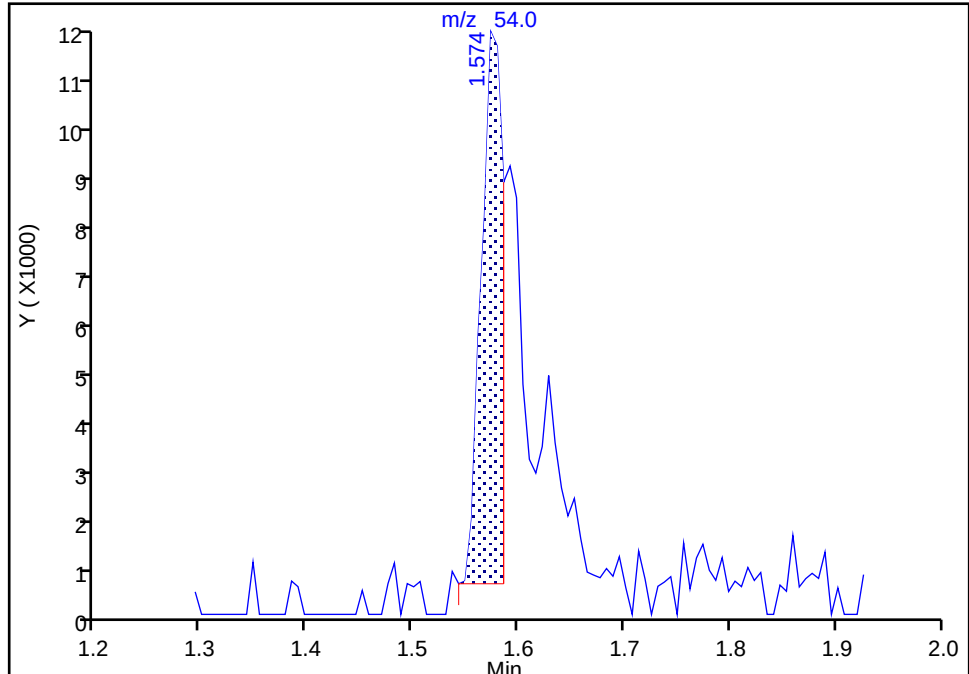
Detector: MS SCAN

144 Butadiene, CAS: 106-99-0

Signal: 1

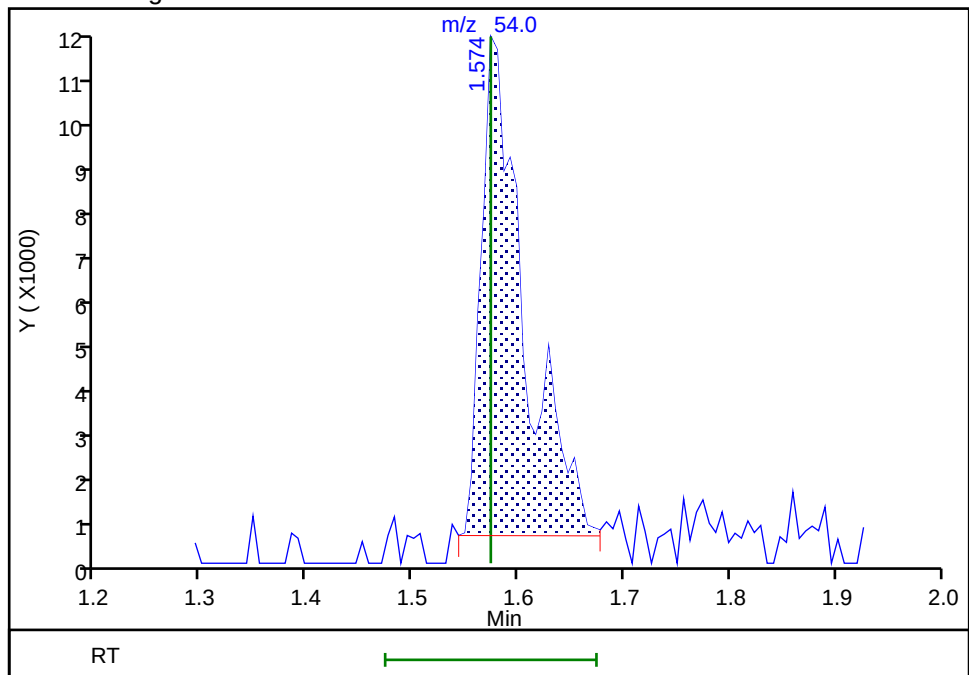
RT: 1.57
Area: 15678
Amount: 1.126622
Amount Units: ug/L

Processing Integration Results



RT: 1.57
Area: 30485
Amount: 2.060255
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:30:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0611.D

Injection Date: 15-Jun-2018 14:46:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

5

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

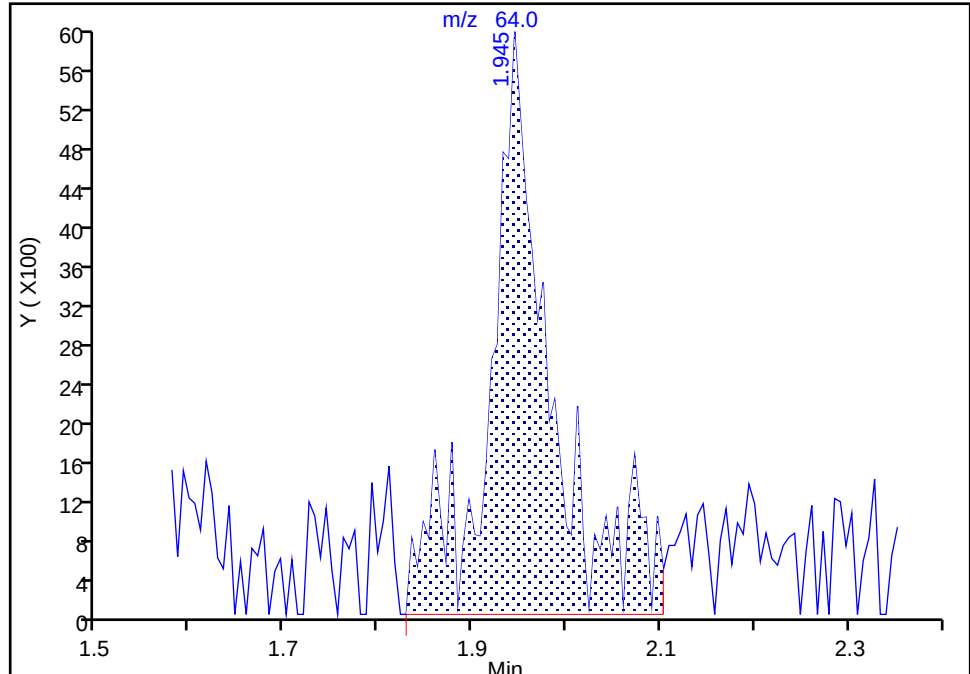
Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

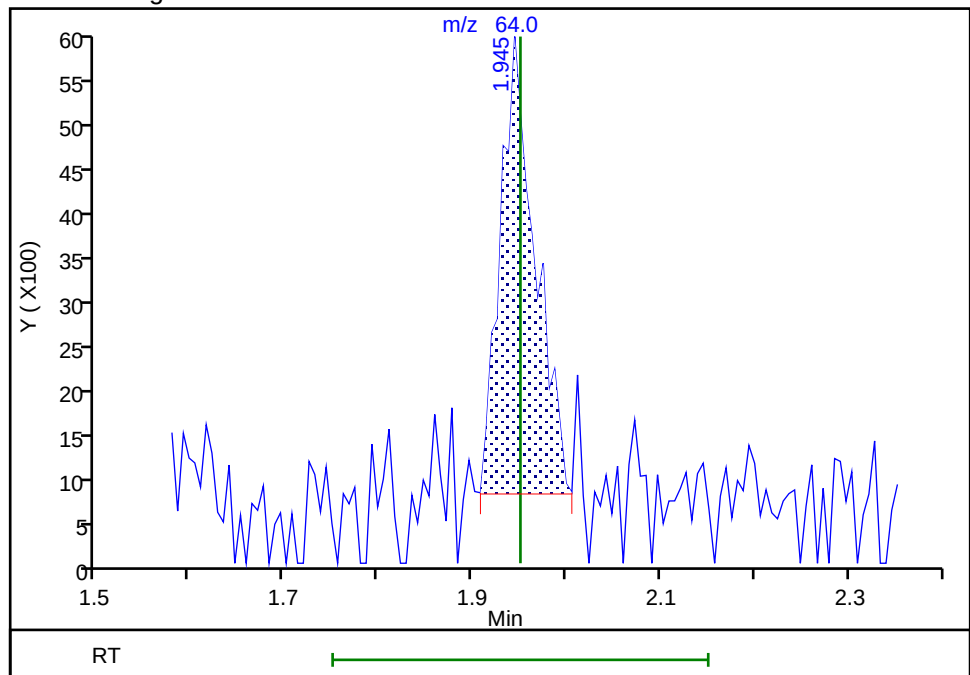
RT: 1.94
Area: 26772
Amount: 3.338993
Amount Units: ug/L

Processing Integration Results



RT: 1.94
Area: 13279
Amount: 1.815579
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:31:06

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0611.D

Injection Date: 15-Jun-2018 14:46:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

5

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

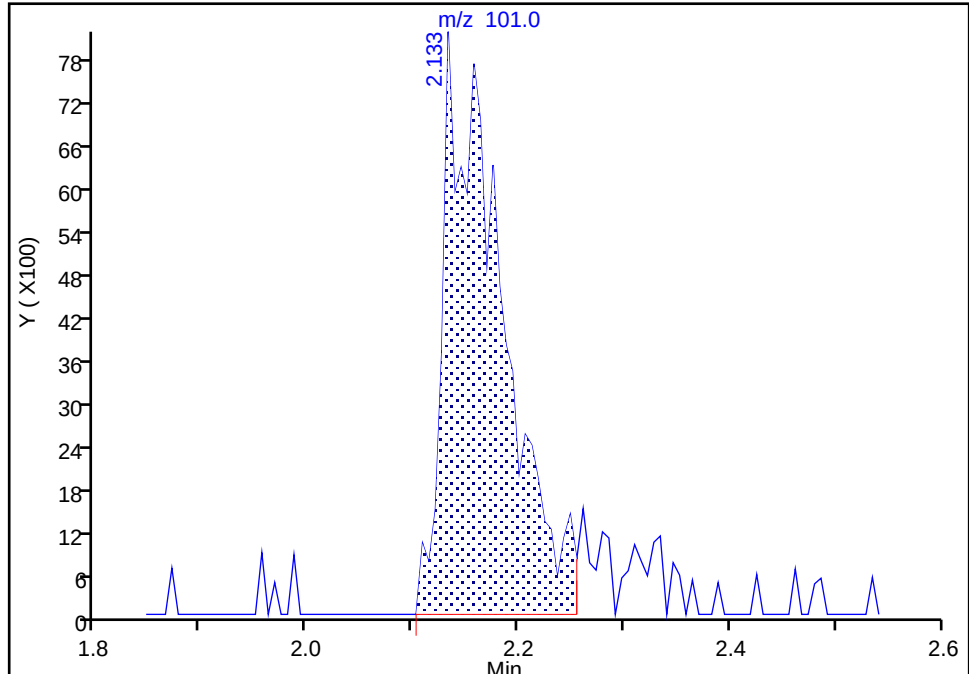
Detector: MS SCAN

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

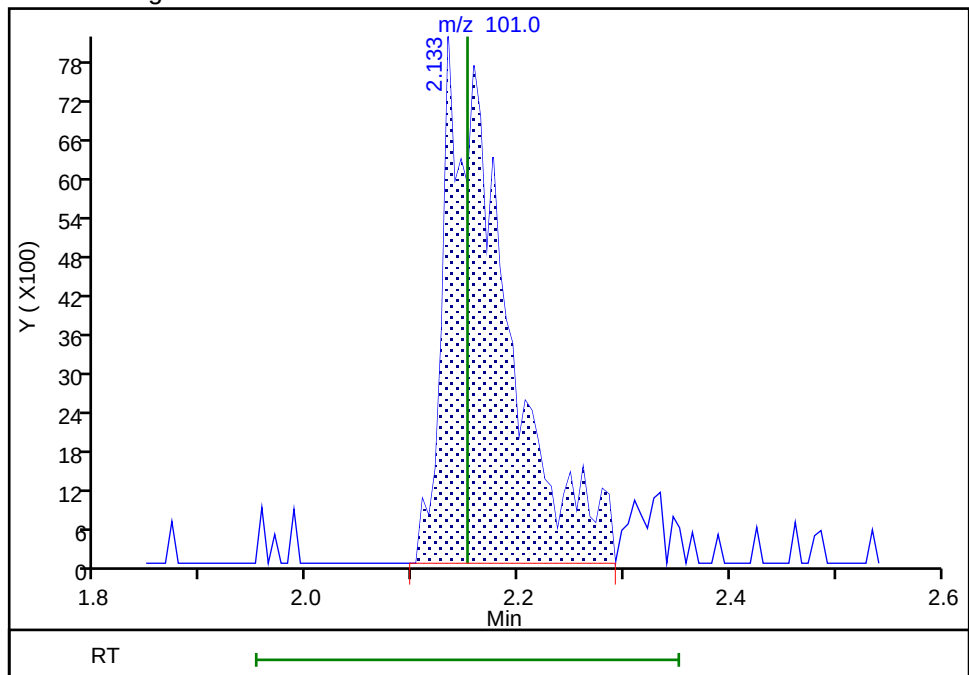
RT: 2.13
Area: 31309
Amount: 1.910634
Amount Units: ug/L

Processing Integration Results



RT: 2.13
Area: 33160
Amount: 2.009405
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:32:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0611.D

Injection Date: 15-Jun-2018 14:46:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

5

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

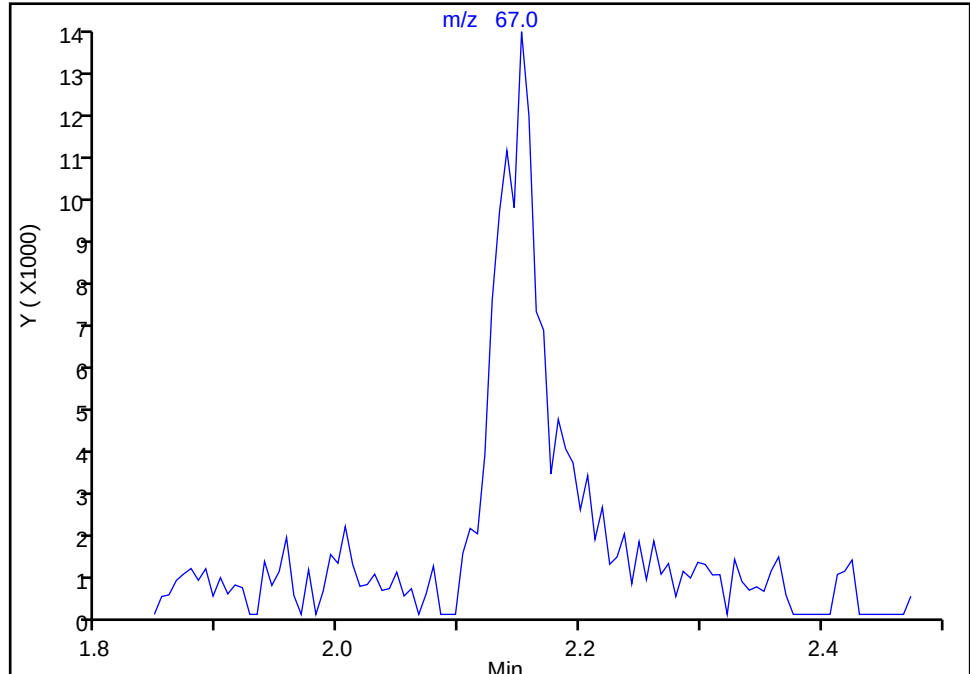
17 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

Not Detected

Expected RT: 2.15

Processing Integration Results



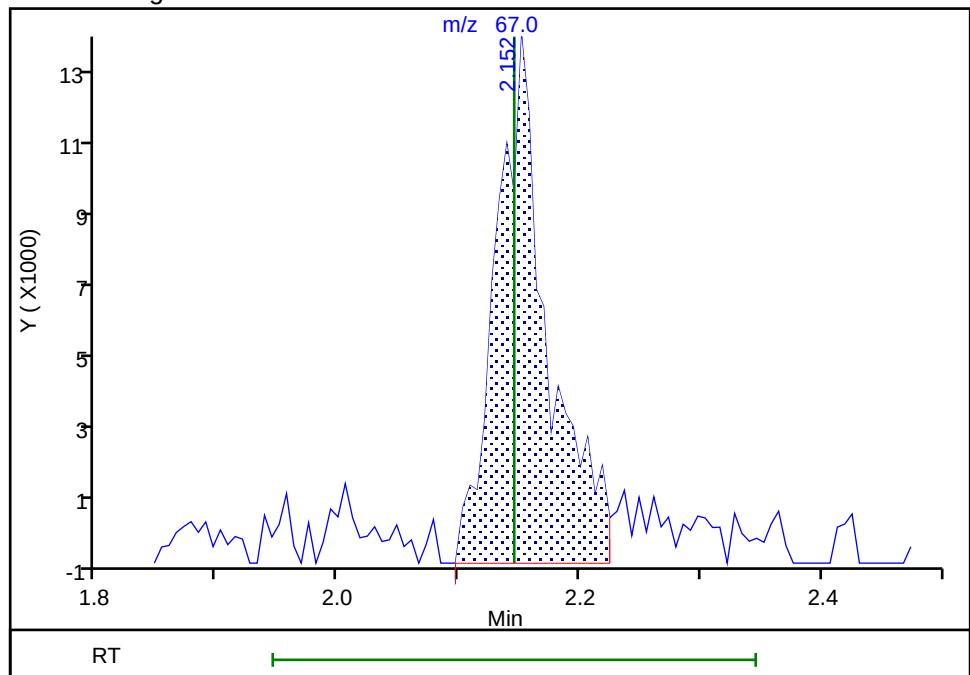
RT: 2.15

Area: 39139

Amount: 2.171817

Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:31:44

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0611.D

Injection Date: 15-Jun-2018 14:46:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

5

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

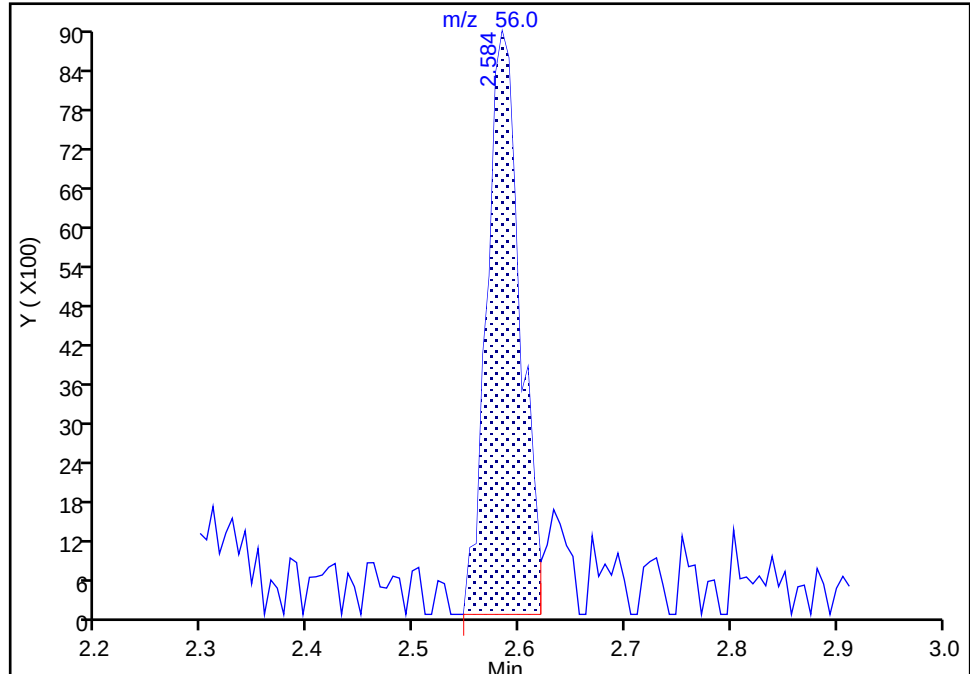
Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

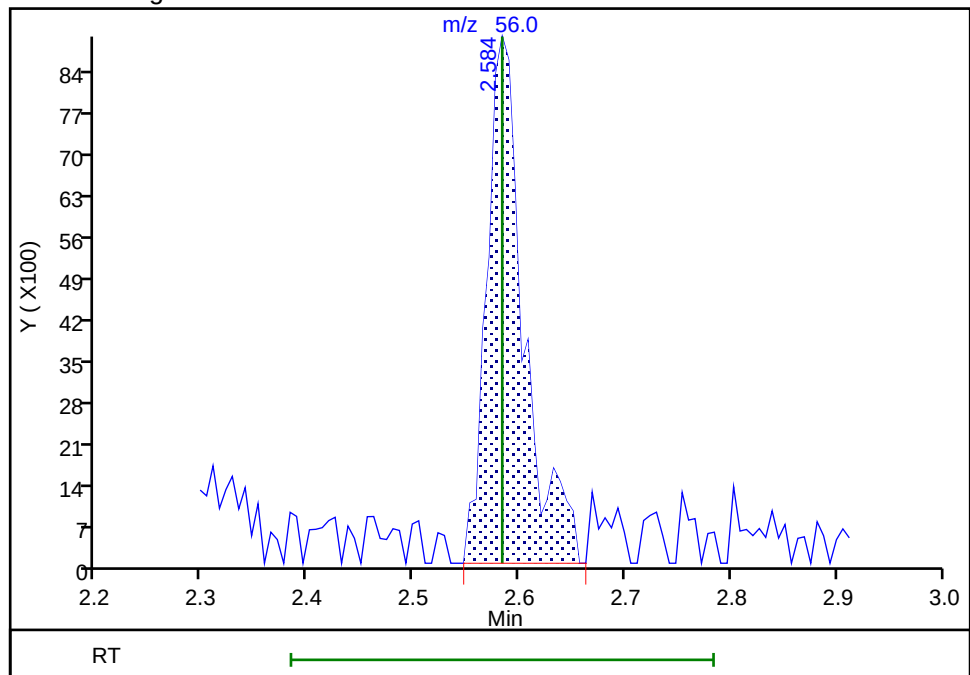
RT: 2.58
Area: 19605
Amount: 8.884625
Amount Units: ug/L

Processing Integration Results



RT: 2.58
Area: 21808
Amount: 9.398612
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:32:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0611.D

Injection Date: 15-Jun-2018 14:46:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

5

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

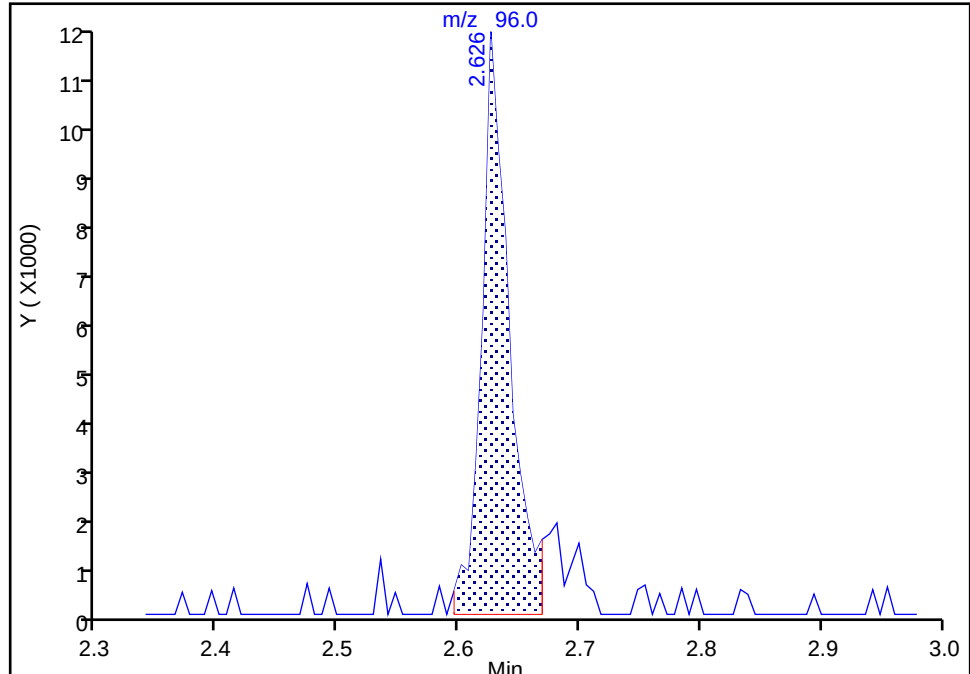
Detector: MS SCAN

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

Signal: 1

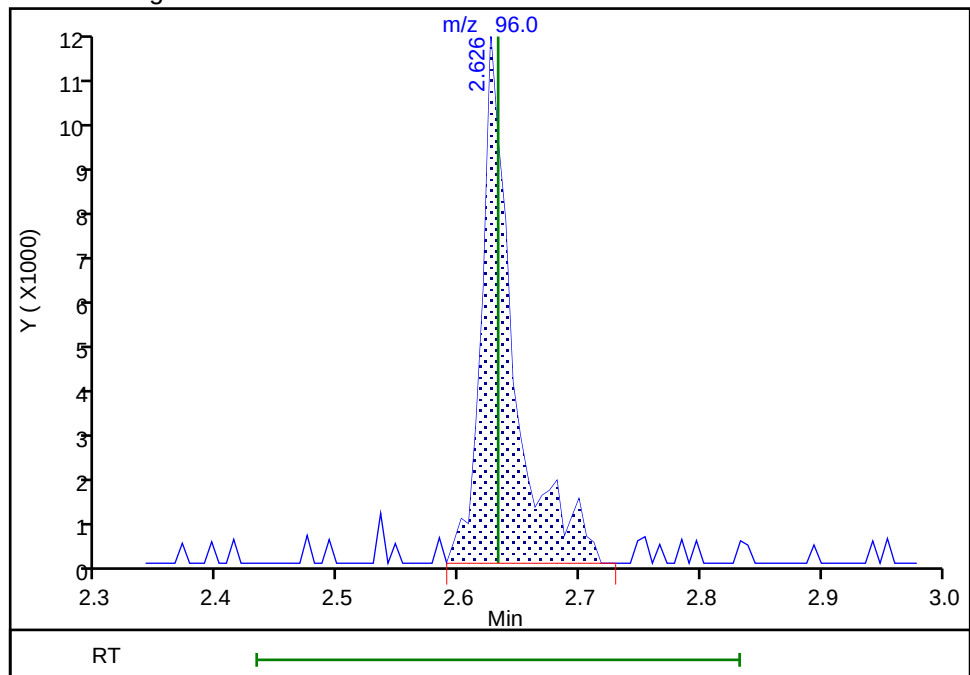
RT: 2.63
Area: 18820
Amount: 1.766775
Amount Units: ug/L

Processing Integration Results



RT: 2.63
Area: 21557
Amount: 1.987245
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:32:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0611.D

Injection Date: 15-Jun-2018 14:46:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

5

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

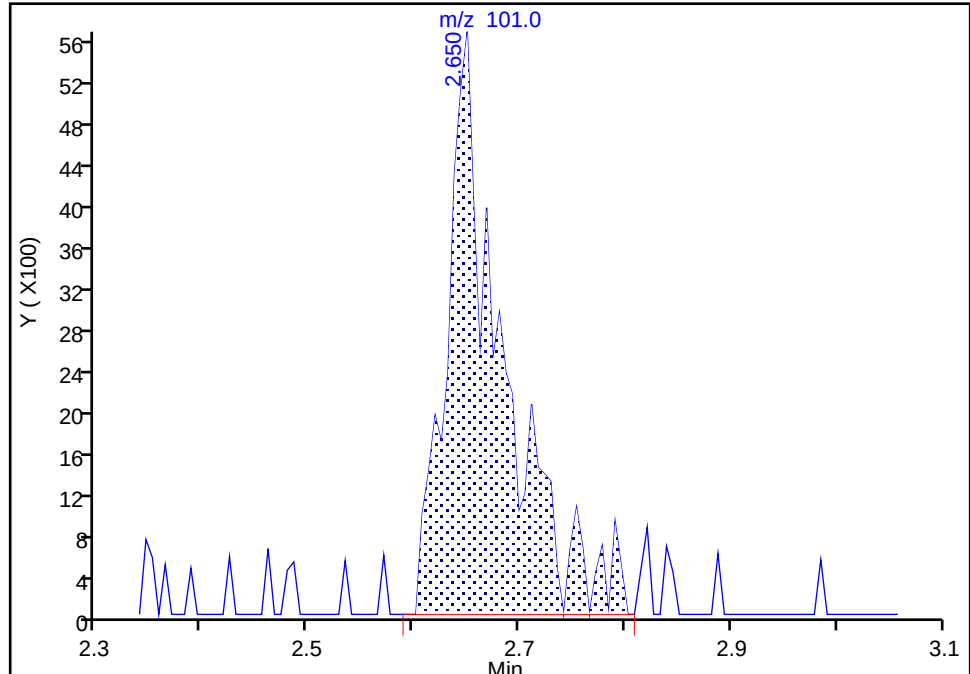
Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

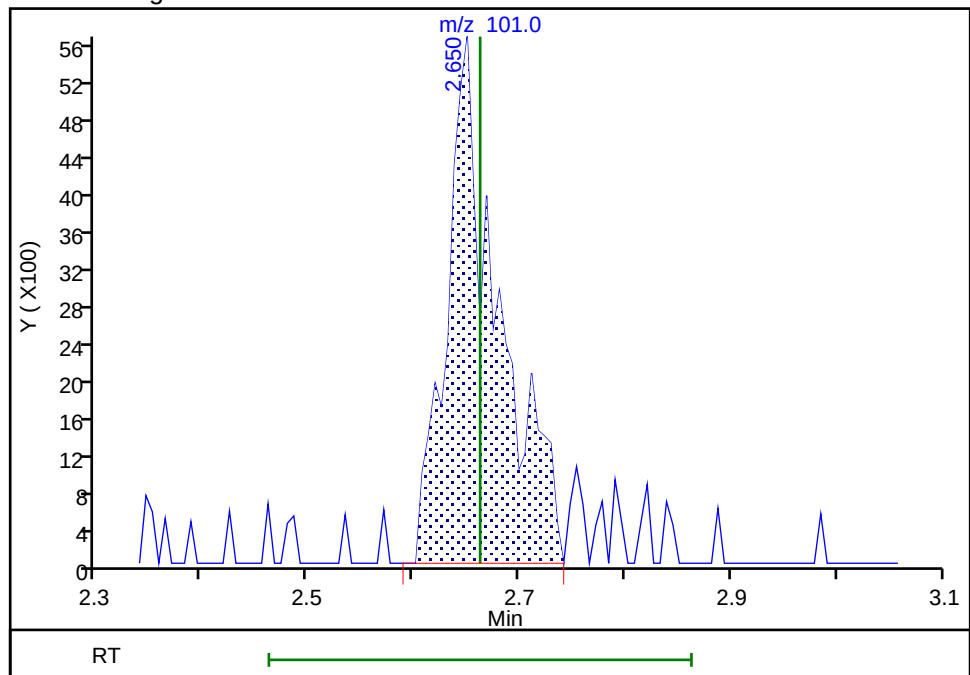
RT: 2.65
Area: 20836
Amount: 2.311351
Amount Units: ug/L

Processing Integration Results



RT: 2.65
Area: 19112
Amount: 1.938752
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:33:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0611.D

Injection Date: 15-Jun-2018 14:46:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

5

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

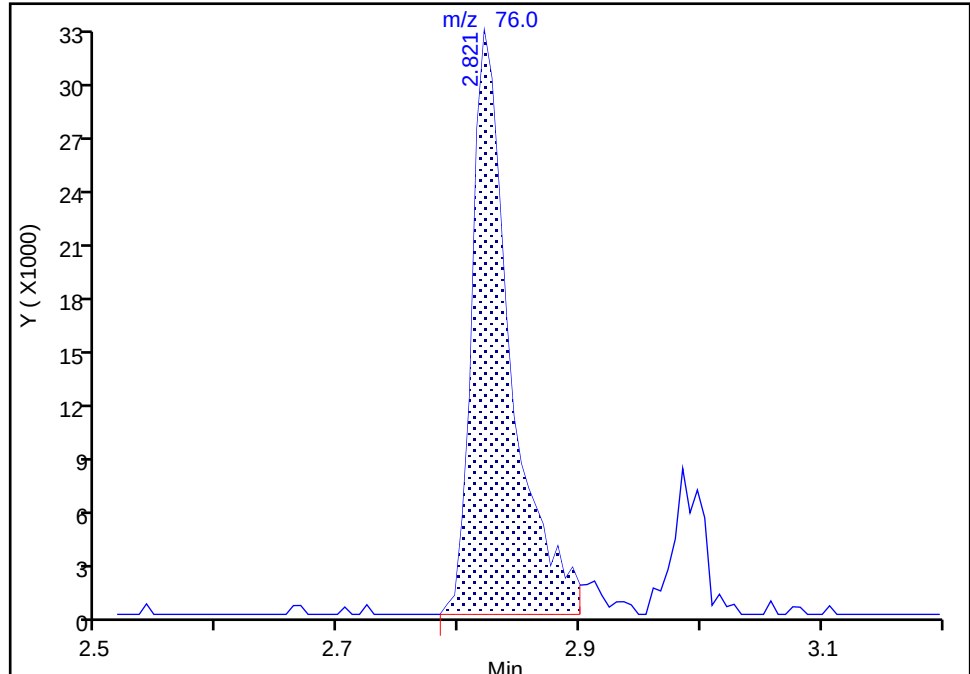
Detector: MS SCAN

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

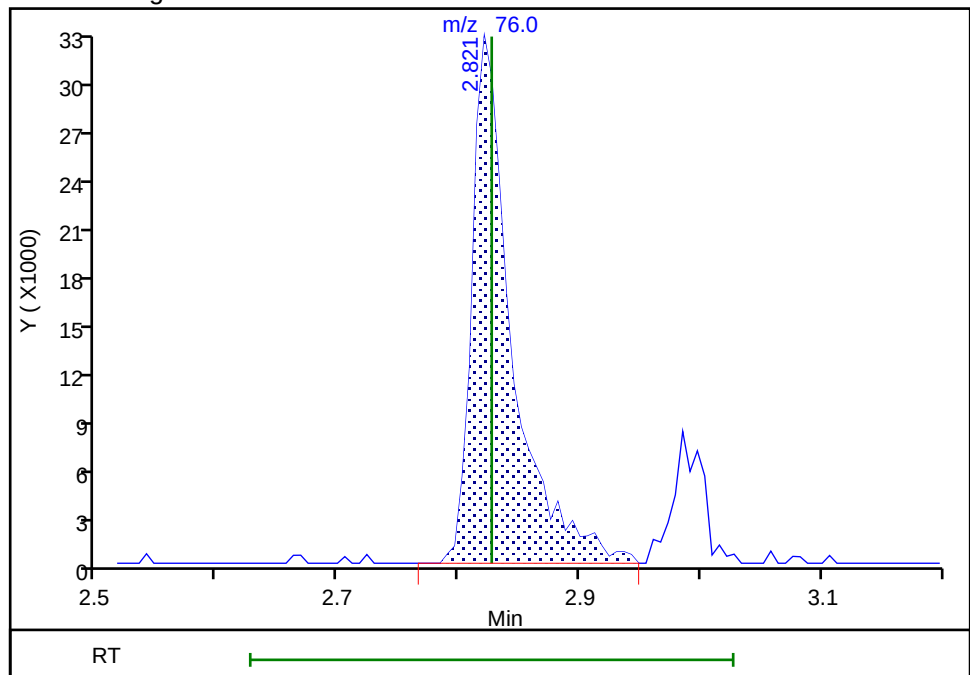
RT: 2.82
Area: 72913
Amount: 2.204288
Amount Units: ug/L

Processing Integration Results



RT: 2.82
Area: 75445
Amount: 2.254013
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:33:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0611.D

Injection Date: 15-Jun-2018 14:46:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

5

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

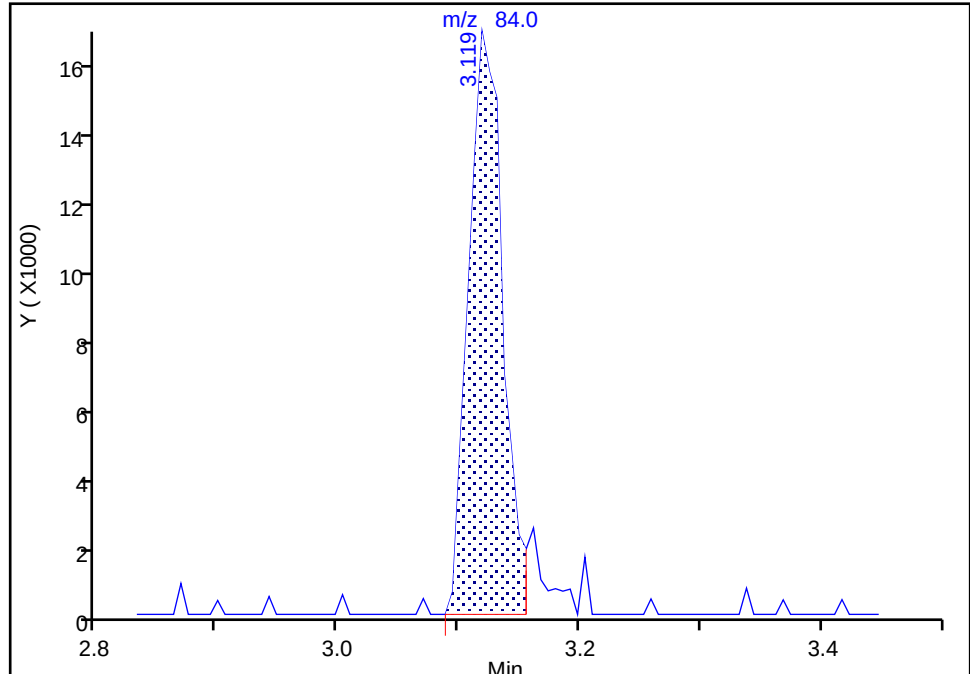
Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

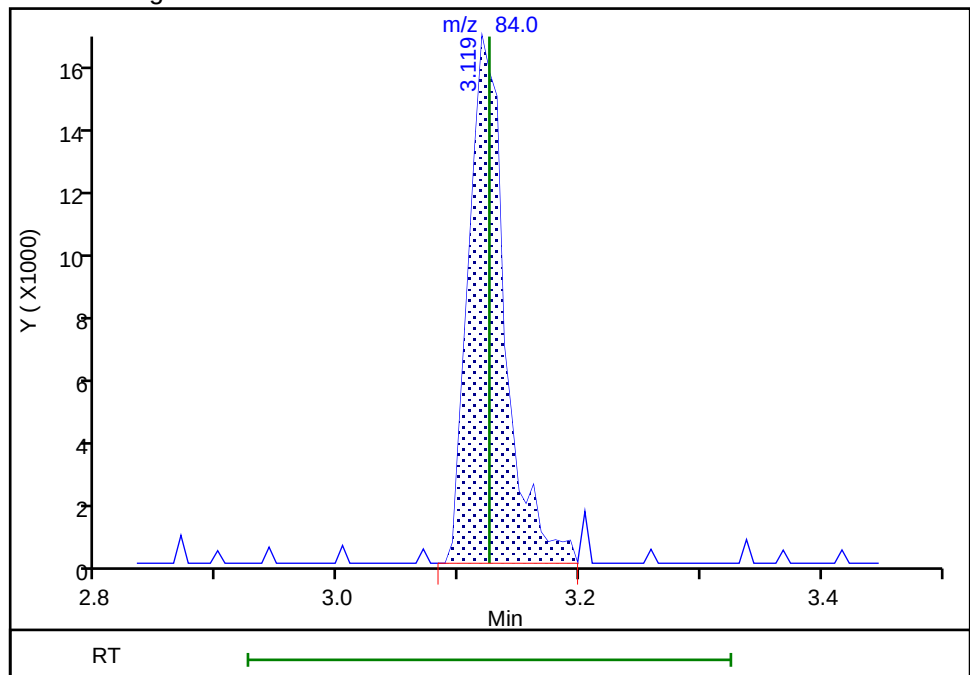
RT: 3.12
Area: 33532
Amount: 1.691801
Amount Units: ug/L

Processing Integration Results



RT: 3.12
Area: 35863
Amount: 1.943639
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:33:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0611.D

Injection Date: 15-Jun-2018 14:46:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

5

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

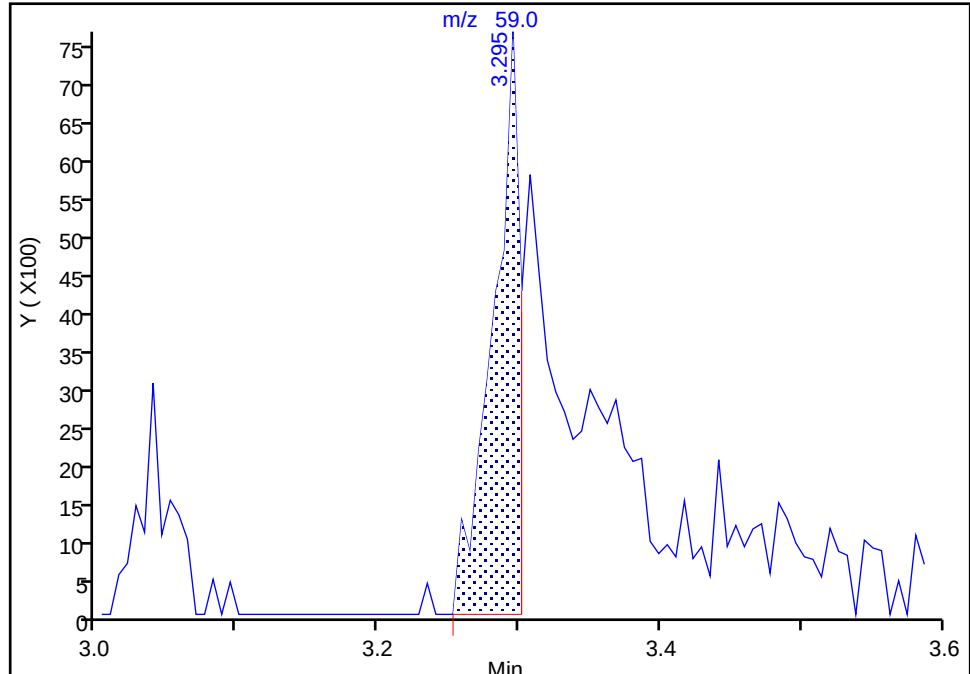
MS SCAN

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

Signal: 1

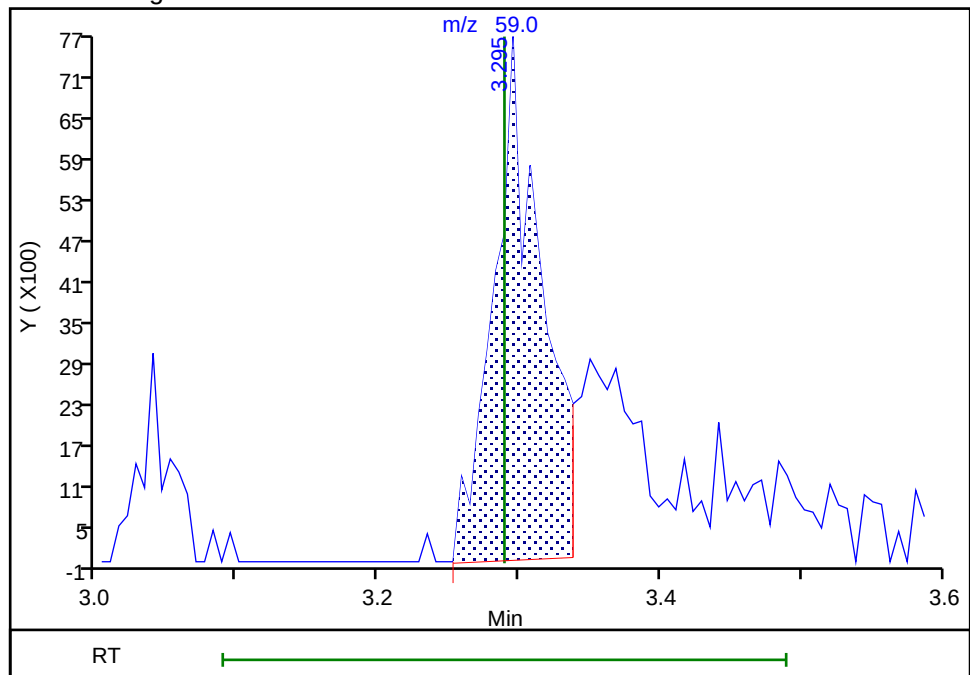
RT: 3.30
Area: 10352
Amount: 12.081135
Amount Units: ug/L

Processing Integration Results



RT: 3.30
Area: 18137
Amount: 18.346029
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:34:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0611.D

Injection Date: 15-Jun-2018 14:46:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

5

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

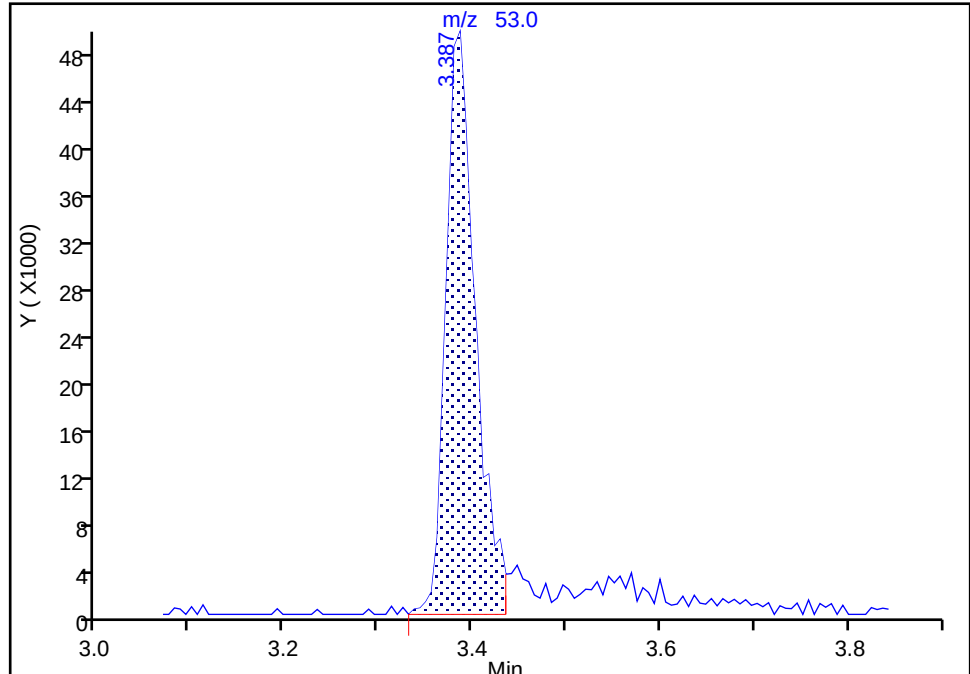
Detector: MS SCAN

34 Acrylonitrile, CAS: 107-13-1

Signal: 1

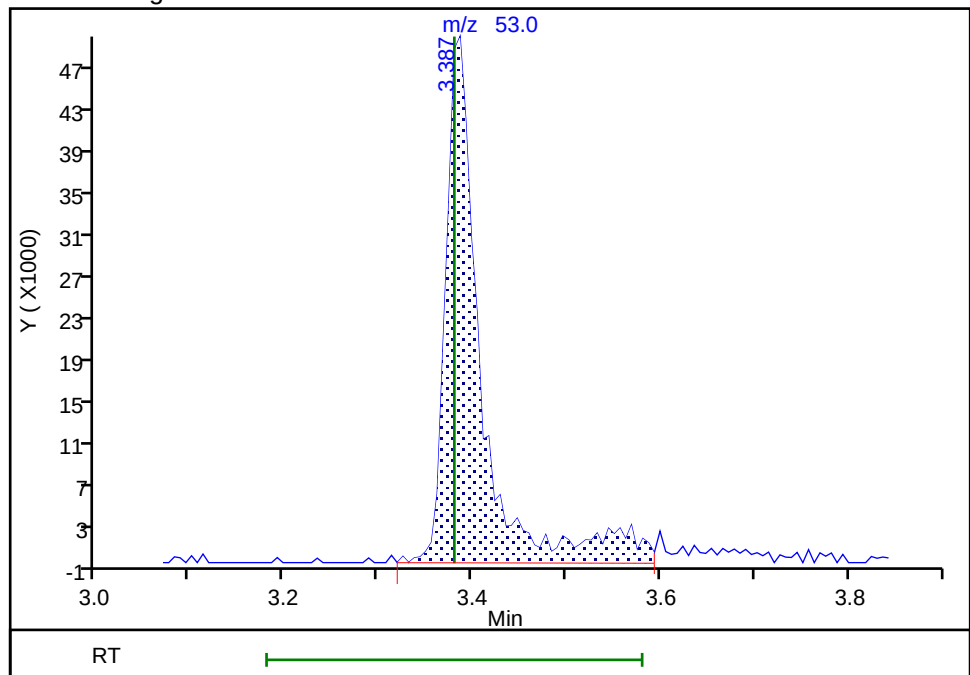
RT: 3.39
Area: 108772
Amount: 17.021051
Amount Units: ug/L

Processing Integration Results



RT: 3.39
Area: 131174
Amount: 19.497878
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:35:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0611.D

Injection Date: 15-Jun-2018 14:46:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

5

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

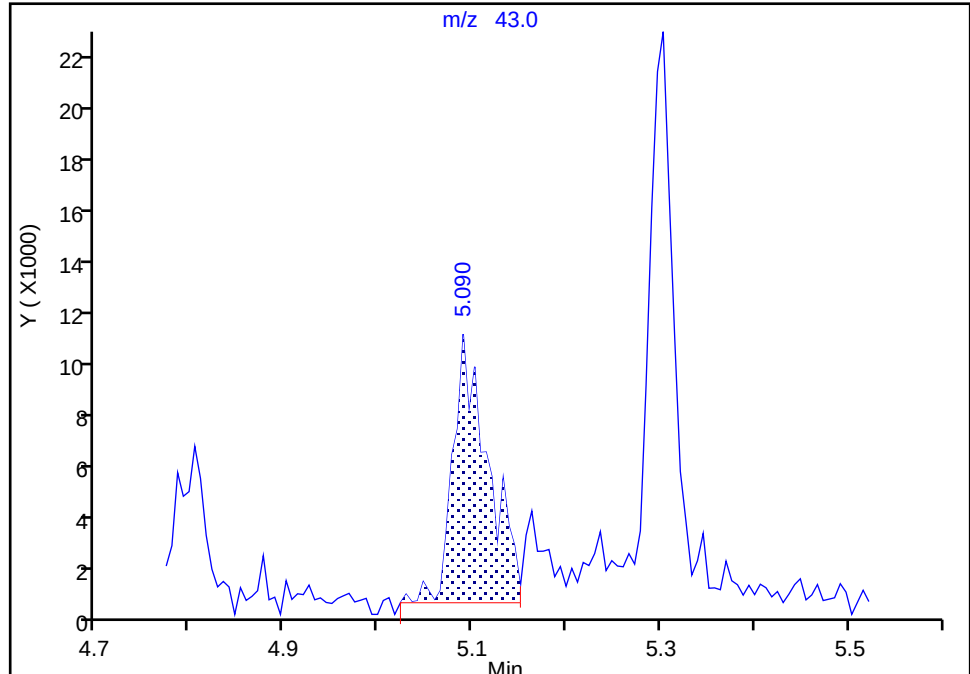
Detector: MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

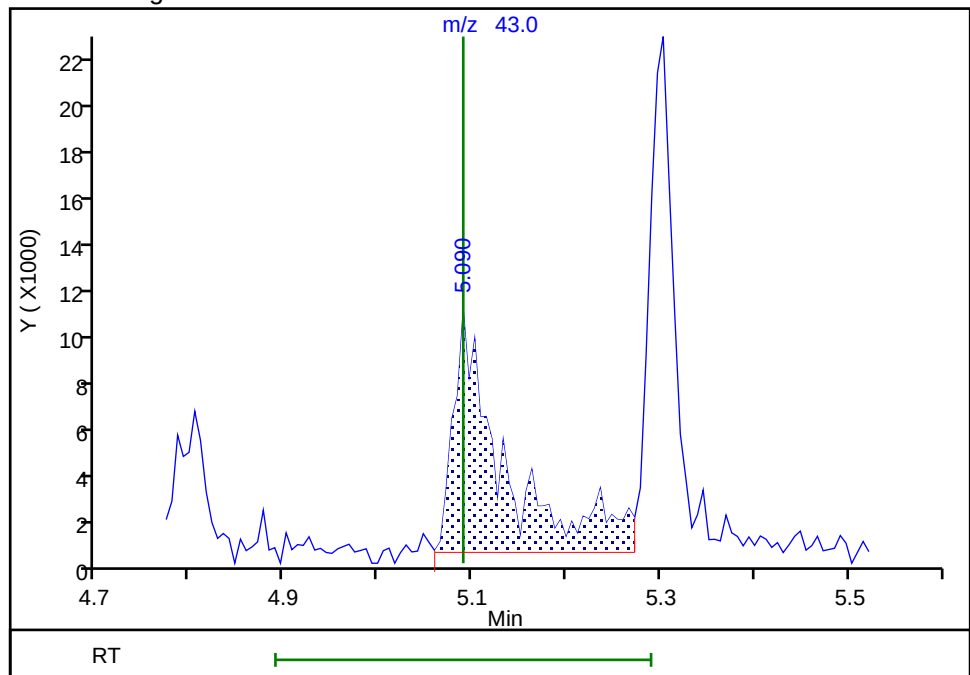
RT: 5.09
Area: 27105
Amount: 72.288375
Amount Units: ug/L

Processing Integration Results



RT: 5.09
Area: 38851
Amount: 46.962384
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:35:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0611.D

Injection Date: 15-Jun-2018 14:46:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

5

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

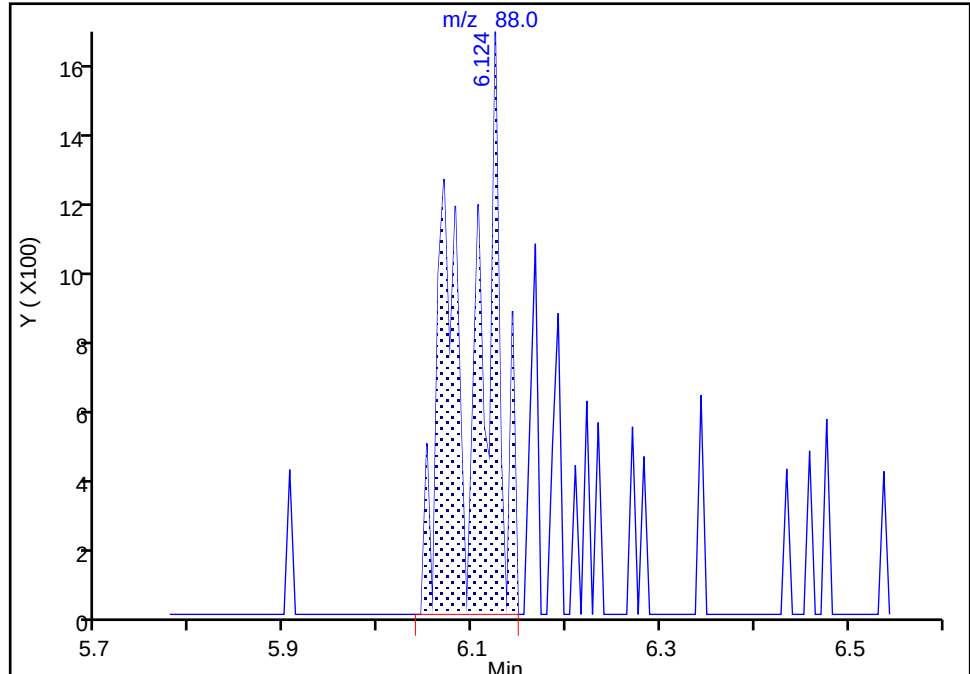
Detector: MS SCAN

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

Signal: 1

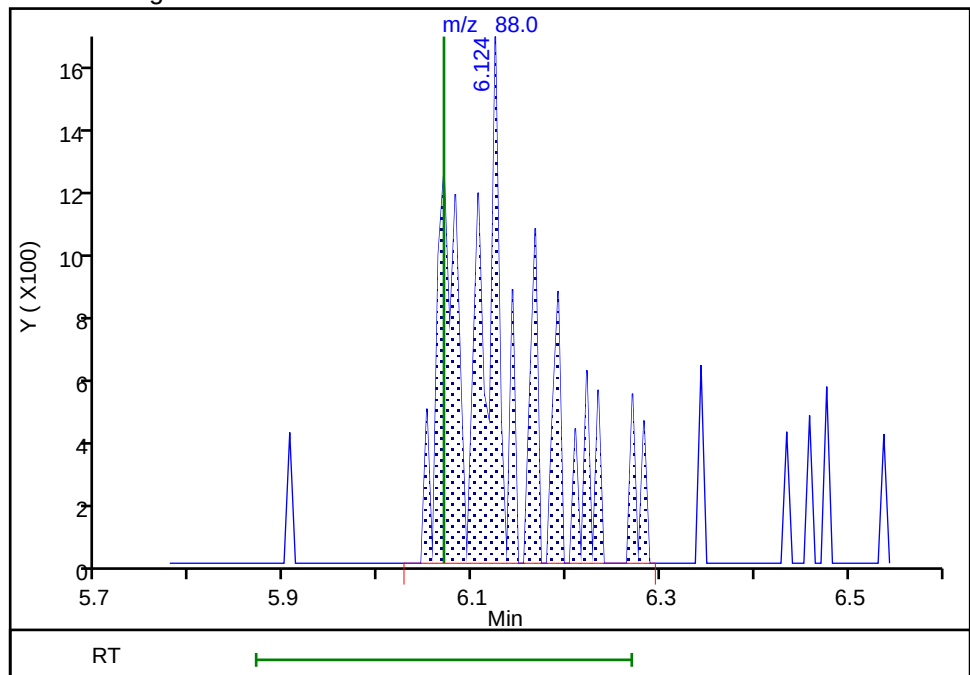
RT: 6.12
Area: 3917
Amount: 37.353261
Amount Units: ug/L

Processing Integration Results



RT: 6.12
Area: 5905
Amount: 37.665298
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:36:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0612.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 15-Jun-2018 15:13:30 ALS Bottle#: 6 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0072372-010
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jun-2018 12:44:18 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK052

First Level Reviewer: milligana

Date: 15-Jun-2018 20:40:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.357	5.357	0.000	98	205600	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.338	0.000	88	752169	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.741	0.000	95	395786	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.761	4.761	0.000	95	293581	25.0	25.0	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.065	5.065	0.000	0	368947	25.0	25.2	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	1033952	25.0	26.1	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	90	320763	25.0	25.9	
11 Dichlorodifluoromethane	85	1.306	1.306	0.000	98	68855	5.00	5.58	
13 Chloromethane	50	1.464	1.464	0.000	97	83566	5.00	4.90	
14 Vinyl chloride	62	1.543	1.543	0.000	97	70203	5.00	4.91	
144 Butadiene	54	1.586	1.586	0.000	92	75318	5.00	5.16	
15 Bromomethane	94	1.847	1.847	0.000	92	41794	5.00	5.31	
16 Chloroethane	64	1.945	1.945	0.000	93	37891	5.00	5.25	M
17 Dichlorofluoromethane	67	2.145	2.145	0.000	92	91573	5.00	5.15	
18 Trichlorofluoromethane	101	2.145	2.145	0.000	80	85312	5.00	5.24	
19 Ethyl ether	59	2.431	2.431	0.000	97	64186	5.00	4.95	
20 Acrolein	56	2.589	2.589	0.000	97	57416	25.0	25.1	
22 1,1-Dichloroethene	96	2.632	2.632	0.000	98	62751	5.00	5.86	
21 1,1,2-Trichloro-1,2,2-trif	101	2.656	2.656	0.000	92	53966	5.00	5.55	
23 Acetone	43	2.741	2.741	0.000	99	105224	25.0	25.5	
24 Iodomethane	142	2.778	2.778	0.000	97	109983	5.00	5.59	
25 Carbon disulfide	76	2.821	2.821	0.000	99	178823	5.00	5.41	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	85	119560	5.00	5.13	
28 Methyl acetate	43	3.040	3.040	0.000	99	144563	10.0	10.1	
30 Methylene Chloride	84	3.125	3.125	0.000	96	77869	5.00	5.31	
31 2-Methyl-2-propanol	59	3.283	3.283	0.000	96	45314	50.0	46.4	M
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	99	207713	5.00	5.22	
33 trans-1,2-Dichloroethene	96	3.356	3.356	0.000	81	67022	5.00	5.30	
34 Acrylonitrile	53	3.386	3.386	0.000	98	323306	50.0	48.7	
35 Hexane	57	3.575	3.575	0.000	92	106360	5.00	5.37	

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	3.764	3.764	0.000	97	125094	5.00	5.27	
39 Vinyl acetate	43	3.818	3.818	0.000	98	287039	10.0	10.9	
42 2,2-Dichloropropane	77	4.281	4.281	0.000	88	90686	5.00	5.62	
43 cis-1,2-Dichloroethene	96	4.311	4.311	0.000	85	73196	5.00	5.28	
44 2-Butanone (MEK)	43	4.341	4.341	0.000	98	190756	25.0	25.2	
47 Chlorobromomethane	128	4.530	4.530	0.000	96	37331	5.00	5.24	
49 Tetrahydrofuran	42	4.579	4.579	0.000	90	60859	10.0	10.4	
50 Chloroform	83	4.615	4.615	0.000	96	112648	5.00	5.12	
51 1,1,1-Trichloroethane	97	4.743	4.743	0.000	97	96715	5.00	5.27	
52 Cyclohexane	56	4.761	4.761	0.000	51	106915	5.00	4.86	
53 Carbon tetrachloride	117	4.883	4.883	0.000	96	85685	5.00	5.50	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	89	92236	5.00	5.74	
55 Benzene	78	5.090	5.090	0.000	97	246072	5.00	5.25	
56 Isobutyl alcohol	43	5.090	5.090	0.000	43	109948	125.0	134.7	M
57 1,2-Dichloroethane	62	5.138	5.138	0.000	95	106848	5.00	5.07	
59 n-Heptane	43	5.297	5.297	0.000	95	109109	5.00	5.44	
60 Trichloroethene	95	5.704	5.704	0.000	92	69454	5.00	5.45	
62 Methylcyclohexane	83	5.838	5.838	0.000	95	115998	5.00	5.75	
63 1,2-Dichloropropane	63	5.923	5.923	0.000	85	65257	5.00	5.12	
64 Dibromomethane	93	6.057	6.057	0.000	93	42522	5.00	5.03	
66 1,4-Dioxane	88	6.081	6.081	0.000	91	17856	100.0	117.5	M
67 Dichlorobromomethane	83	6.215	6.215	0.000	96	83905	5.00	5.34	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	94	44321	5.00	5.10	
71 cis-1,3-Dichloropropene	75	6.629	6.629	0.000	88	93581	5.00	5.18	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	99	161574	25.0	26.9	
73 Toluene	92	6.933	6.933	0.000	96	156393	5.00	5.40	
75 trans-1,3-Dichloropropene	75	7.195	7.195	0.000	94	78105	5.00	5.03	
77 Ethyl methacrylate	69	7.262	7.262	0.000	92	71542	5.00	5.01	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	92	45850	5.00	5.58	
79 Tetrachloroethene	166	7.468	7.468	0.000	94	67902	5.00	5.34	
80 1,3-Dichloropropane	76	7.541	7.541	0.000	95	93981	5.00	5.31	
82 2-Hexanone	43	7.614	7.614	0.000	98	290884	25.0	26.2	
83 Chlorodibromomethane	129	7.779	7.779	0.000	90	59905	5.00	5.15	
84 Ethylene Dibromide	107	7.882	7.882	0.000	95	57623	5.00	5.33	
85 Chlorobenzene	112	8.369	8.369	0.000	94	169749	5.00	5.15	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	88	58558	5.00	4.89	
88 Ethylbenzene	91	8.472	8.472	0.000	98	291205	5.00	5.44	
90 m-Xylene & p-Xylene	106	8.588	8.588	0.000	0	108808	5.00	5.34	
91 o-Xylene	106	9.020	9.020	0.000	98	109200	5.00	5.15	
92 Styrene	104	9.044	9.044	0.000	95	185906	5.00	5.44	
93 Bromoform	173	9.275	9.275	0.000	93	36405	5.00	4.85	
95 Isopropylbenzene	105	9.409	9.409	0.000	96	296277	5.00	5.22	
97 Bromobenzene	156	9.744	9.744	0.000	94	72294	5.00	4.91	
98 1,1,2,2-Tetrachloroethane	83	9.786	9.786	0.000	96	76062	5.00	5.06	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	91	24484	5.00	4.86	
100 N-Propylbenzene	91	9.835	9.835	0.000	99	353011	5.00	5.46	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.835	0.000	62	26107	5.00	4.68	
102 2-Chlorotoluene	126	9.938	9.938	0.000	96	74905	5.00	5.57	
104 1,3,5-Trimethylbenzene	105	10.017	10.017	0.000	96	237765	5.00	5.20	
105 4-Chlorotoluene	91	10.048	10.048	0.000	97	233144	5.00	5.41	
106 tert-Butylbenzene	134	10.340	10.340	0.000	93	54794	5.00	4.98	
108 1,2,4-Trimethylbenzene	105	10.395	10.395	0.000	97	253728	5.00	5.31	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	94	308191	5.00	5.15	
110 1,3-Dichlorobenzene	146	10.681	10.681	0.000	97	142051	5.00	5.17	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	96	269325	5.00	5.22	
113 1,4-Dichlorobenzene	146	10.766	10.766	0.000	96	145588	5.00	5.26	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	242506	5.00	5.28	
116 1,2-Dichlorobenzene	146	11.112	11.112	0.000	97	140141	5.00	5.26	
117 1,2-Dibromo-3-Chloropropan	75	11.843	11.843	0.000	76	15925	5.00	5.57	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	94	93254	5.00	5.24	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	94	42048	5.00	5.07	
121 Naphthalene	128	12.737	12.737	0.000	97	266616	5.00	5.14	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	97	90886	5.00	5.56	
S 124 1,2-Dichloroethene, Total	1				0			10.6	
S 125 Total BTEX	1				0			26.6	
S 126 Xylenes, Total	1				0			10.5	
S 123 1,3-Dichloropropene, Total	1				0			10.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00127

Amount Added: 5.00

Units: uL

GAS CORP mix_00286

Amount Added: 5.00

Units: uL

N_8260_Surr_00332

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00117

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0612.D

Injection Date: 15-Jun-2018 15:13:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 3

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

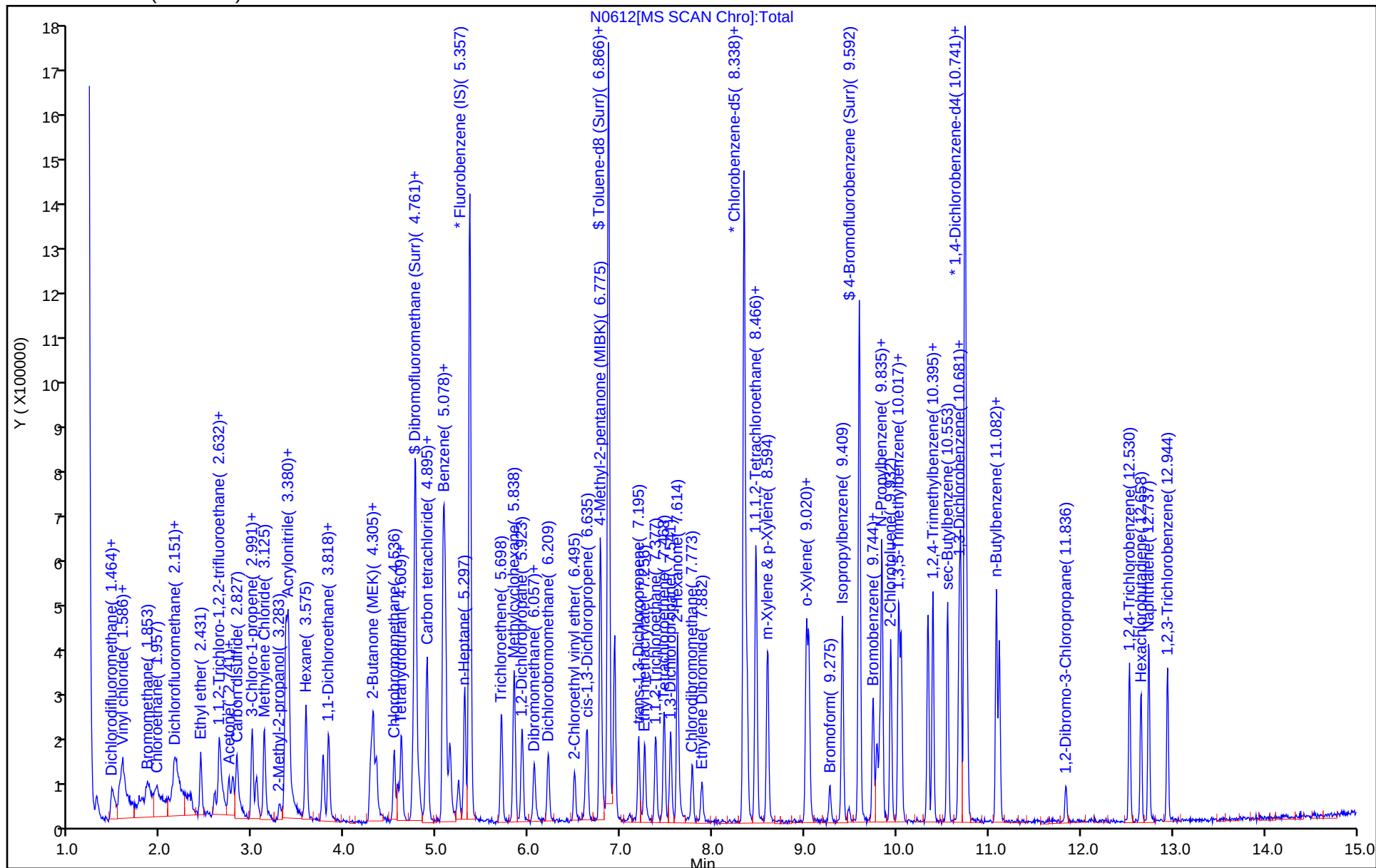
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0612.D

Injection Date: 15-Jun-2018 15:13:30

Instrument ID: HP5973N

Lims ID: IC 3

Client ID:

Operator ID: LH

ALS Bottle#:

6

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

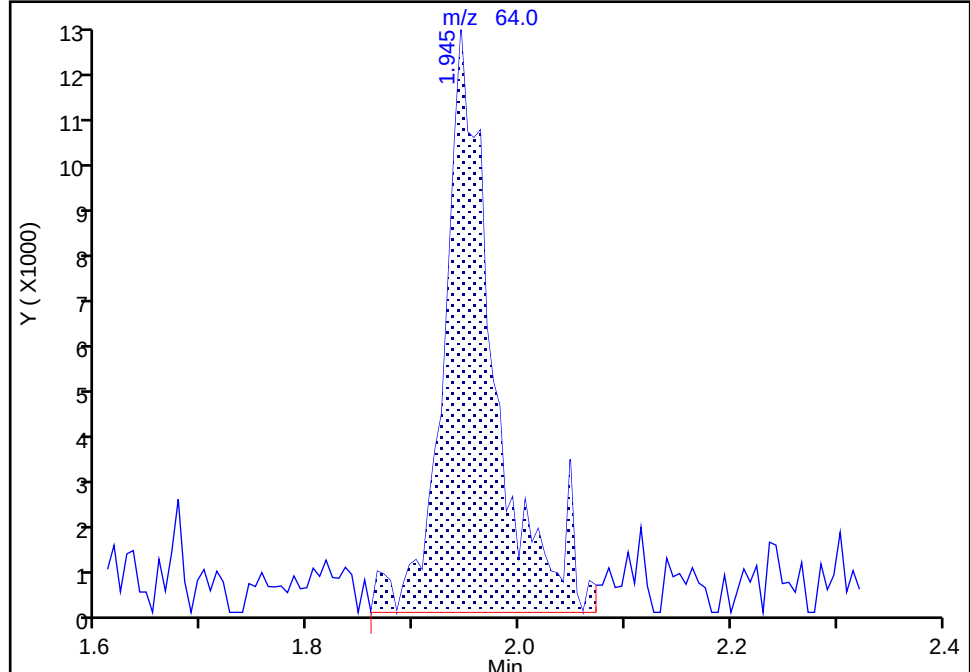
Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

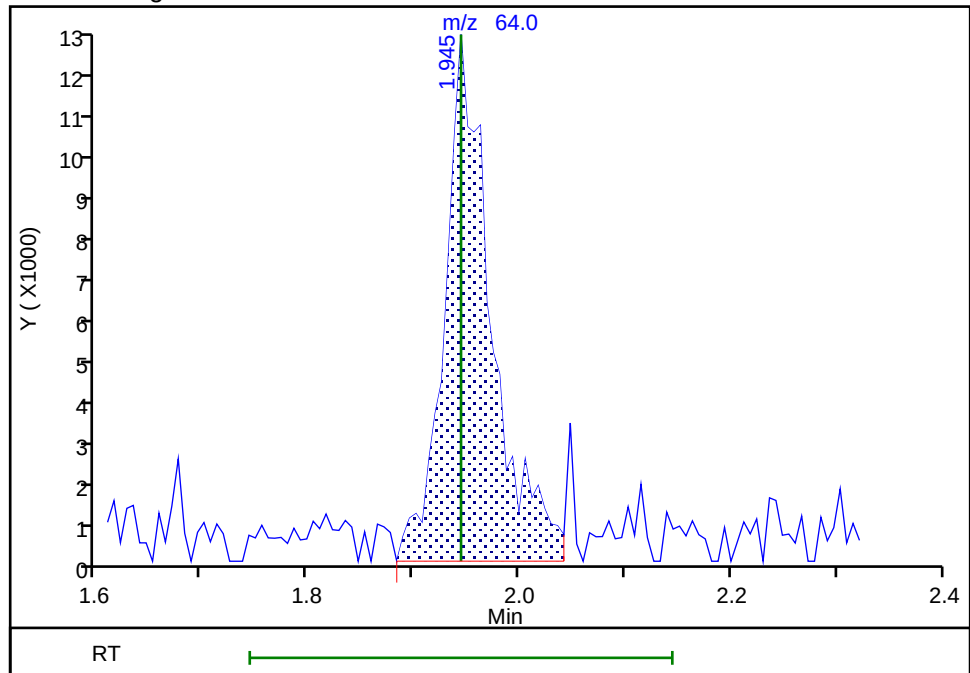
RT: 1.94
Area: 40558
Amount: 5.501317
Amount Units: ug/L

Processing Integration Results



RT: 1.94
Area: 37891
Amount: 5.248853
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:37:48

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0612.D

Injection Date: 15-Jun-2018 15:13:30

Instrument ID: HP5973N

Lims ID: IC 3

Client ID:

Operator ID: LH

ALS Bottle#:

6

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

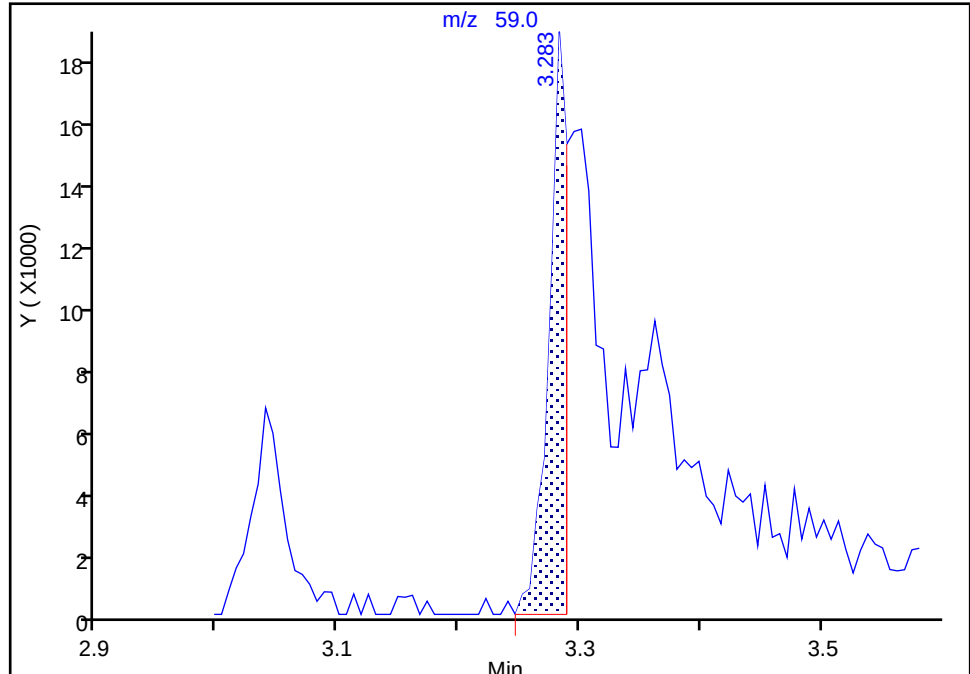
Detector: MS SCAN

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

Signal: 1

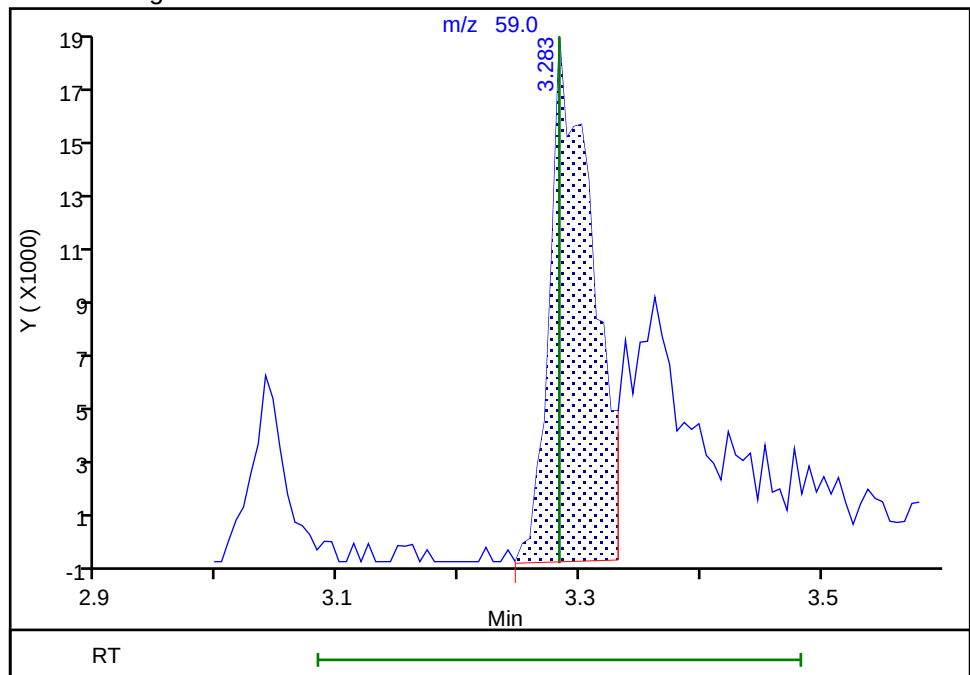
RT: 3.28
Area: 19522
Amount: 21.676017
Amount Units: ug/L

Processing Integration Results



RT: 3.28
Area: 45314
Amount: 46.439517
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:38:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0612.D

Injection Date: 15-Jun-2018 15:13:30

Instrument ID: HP5973N

Lims ID: IC 3

Client ID:

Operator ID: LH

ALS Bottle#:

6

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

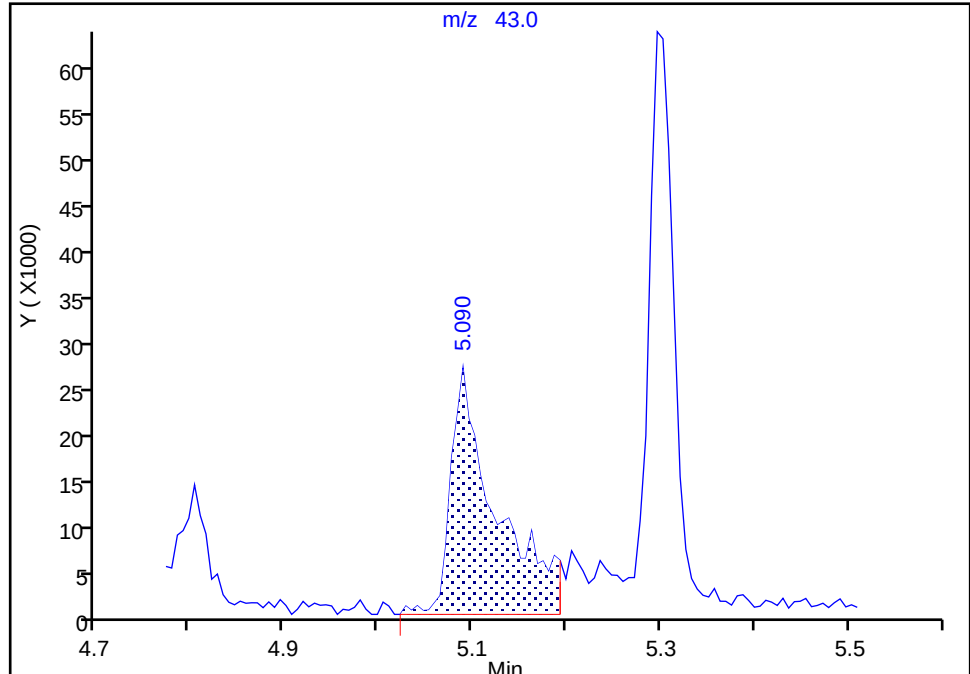
Detector: MS SCAN

56 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

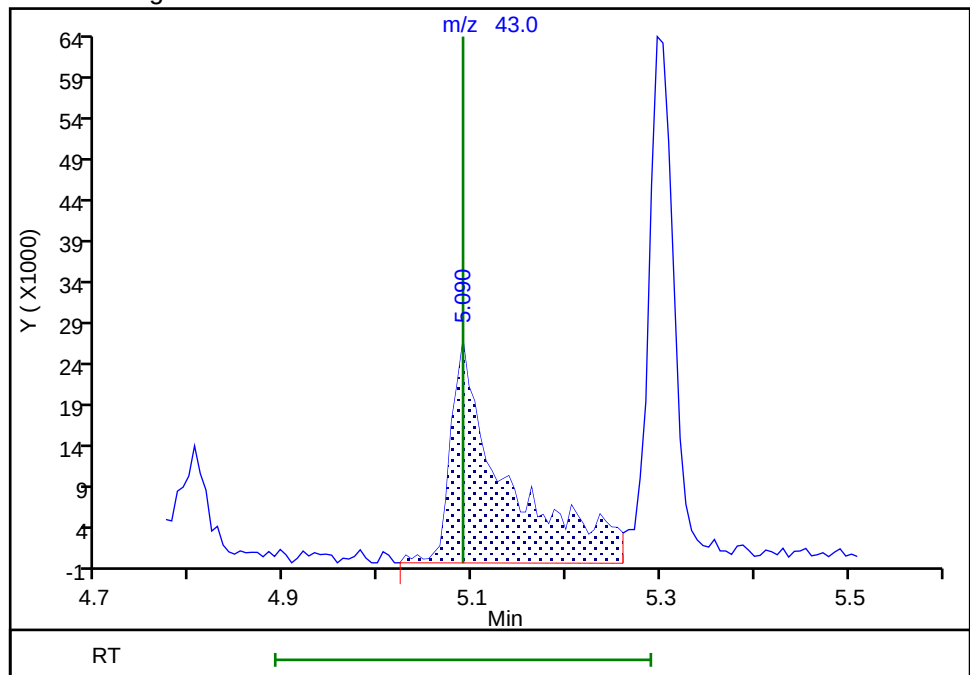
RT: 5.09
Area: 90648
Amount: 114.5396
Amount Units: ug/L

Processing Integration Results



RT: 5.09
Area: 109948
Amount: 134.6524
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:39:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0612.D

Injection Date: 15-Jun-2018 15:13:30

Instrument ID: HP5973N

Lims ID: IC 3

Client ID:

Operator ID: LH

ALS Bottle#:

6

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

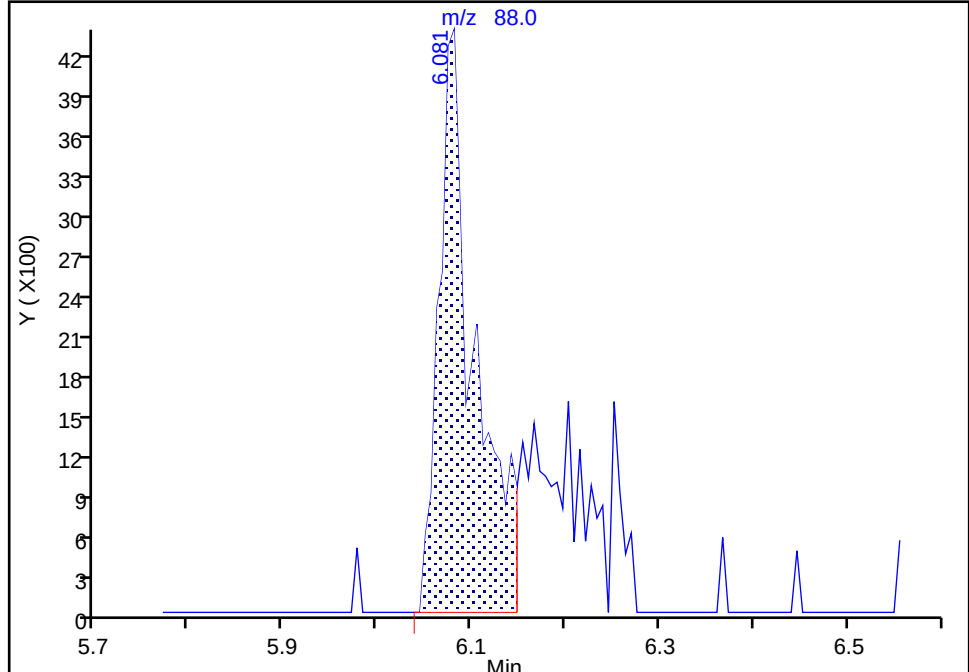
Detector: MS SCAN

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

Signal: 1

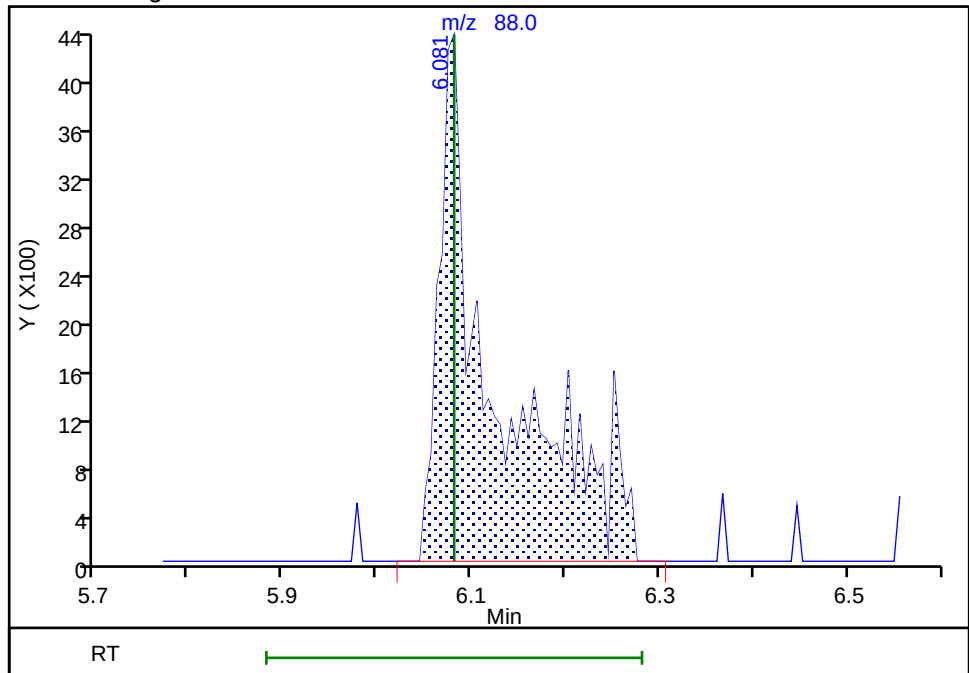
RT: 6.08
Area: 11266
Amount: 91.046885
Amount Units: ug/L

Processing Integration Results



RT: 6.08
Area: 17856
Amount: 117.5023
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:39:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0613.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 15-Jun-2018 15:40:30 ALS Bottle#: 7 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0072372-011
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jun-2018 12:44:22 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK052

First Level Reviewer: milligana

Date: 15-Jun-2018 20:43:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.357	5.357	0.000	99	210479	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.338	0.000	88	811834	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.741	0.000	95	415872	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.761	4.761	0.000	92	307152	25.0	25.5	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.065	0.007	0	377733	25.0	25.2	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	1091397	25.0	25.5	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	93	344241	25.0	25.8	
11 Dichlorodifluoromethane	85	1.300	1.306	-0.006	98	110099	10.0	8.71	
13 Chloromethane	50	1.464	1.464	0.000	99	171322	10.0	9.81	
14 Vinyl chloride	62	1.549	1.543	0.006	98	130563	10.0	8.91	
144 Butadiene	54	1.574	1.586	-0.012	96	130125	10.0	8.70	
15 Bromomethane	94	1.859	1.847	0.012	95	76892	10.0	9.54	
16 Chloroethane	64	1.945	1.945	0.000	95	70907	10.0	9.59	
17 Dichlorofluoromethane	67	2.151	2.145	0.006	91	169715	10.0	9.32	
18 Trichlorofluoromethane	101	2.139	2.145	-0.006	77	167163	10.0	10.0	
19 Ethyl ether	59	2.431	2.431	0.000	96	133906	10.0	10.1	
20 Acrolein	56	2.583	2.589	-0.006	98	108763	50.0	46.4	
22 1,1-Dichloroethene	96	2.632	2.632	0.000	95	116216	10.0	10.6	
21 1,1,2-Trichloro-1,2,2-trif	101	2.650	2.656	-0.006	38	114473	10.0	11.5	M
23 Acetone	43	2.735	2.741	-0.006	99	179950	50.0	42.6	
24 Iodomethane	142	2.778	2.778	0.000	99	218174	10.0	10.8	
25 Carbon disulfide	76	2.821	2.821	0.000	98	388626	10.0	11.5	M
27 3-Chloro-1-propene	41	2.985	2.991	-0.006	86	254490	10.0	10.7	
28 Methyl acetate	43	3.034	3.040	-0.006	99	281694	20.0	19.2	
30 Methylene Chloride	84	3.125	3.125	0.000	98	144396	10.0	10.3	
31 2-Methyl-2-propanol	59	3.289	3.283	0.006	97	93203	100.0	93.3	
33 trans-1,2-Dichloroethene	96	3.362	3.356	0.006	82	129889	10.0	10.0	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	99	431095	10.0	10.6	
34 Acrylonitrile	53	3.380	3.386	-0.006	97	769339	100.0	113.2	M
35 Hexane	57	3.575	3.575	0.000	96	225103	10.0	11.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.758	3.764	-0.006	96	263304	10.0	10.8	
39 Vinyl acetate	43	3.818	3.818	0.000	98	571819	20.0	21.2	
42 2,2-Dichloropropane	77	4.281	4.281	0.000	87	166572	10.0	10.1	
43 cis-1,2-Dichloroethene	96	4.305	4.311	-0.006	86	154543	10.0	10.9	
44 2-Butanone (MEK)	43	4.335	4.341	-0.006	98	390353	50.0	50.5	
47 Chlorobromomethane	128	4.536	4.530	0.006	94	75577	10.0	10.4	
49 Tetrahydrofuran	42	4.573	4.579	-0.006	89	109305	20.0	18.3	
50 Chloroform	83	4.615	4.615	0.000	96	243709	10.0	10.8	
51 1,1,1-Trichloroethane	97	4.743	4.743	0.000	98	200819	10.0	10.7	
52 Cyclohexane	56	4.761	4.761	0.000	70	247681	10.0	11.0	
53 Carbon tetrachloride	117	4.889	4.883	0.006	96	175156	10.0	11.0	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	88	182874	10.0	11.1	
56 Isobutyl alcohol	43	5.090	5.090	0.000	46	198597	250.0	237.6	
55 Benzene	78	5.090	5.090	0.000	98	514157	10.0	10.7	
57 1,2-Dichloroethane	62	5.138	5.138	0.000	97	220037	10.0	10.2	
59 n-Heptane	43	5.303	5.297	0.006	96	247221	10.0	12.0	
60 Trichloroethene	95	5.698	5.704	-0.006	94	141091	10.0	10.8	
62 Methylcyclohexane	83	5.844	5.838	0.006	95	244516	10.0	11.8	
63 1,2-Dichloropropane	63	5.929	5.923	0.006	89	141024	10.0	10.8	
64 Dibromomethane	93	6.057	6.057	0.000	95	91957	10.0	10.6	
66 1,4-Dioxane	88	6.075	6.081	-0.006	94	37835	200.0	230.7	
67 Dichlorobromomethane	83	6.209	6.215	-0.006	96	182374	10.0	11.3	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	93	91725	10.0	10.3	
71 cis-1,3-Dichloropropene	75	6.629	6.629	0.000	89	202859	10.0	11.0	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	100	335697	50.0	51.7	
73 Toluene	92	6.927	6.933	-0.006	98	341768	10.0	10.9	
75 trans-1,3-Dichloropropene	75	7.195	7.195	0.000	98	177851	10.0	10.6	
77 Ethyl methacrylate	69	7.256	7.262	-0.006	93	158313	10.0	10.3	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	91	94707	10.0	10.7	
79 Tetrachloroethene	166	7.468	7.468	0.000	96	145901	10.0	10.6	
80 1,3-Dichloropropane	76	7.541	7.541	0.000	96	203774	10.0	10.7	
82 2-Hexanone	43	7.614	7.614	0.000	98	651642	50.0	54.5	
83 Chlorodibromomethane	129	7.773	7.779	-0.006	90	130600	10.0	10.4	
84 Ethylene Dibromide	107	7.882	7.882	0.000	98	129055	10.0	11.1	
85 Chlorobenzene	112	8.369	8.369	0.000	96	380244	10.0	10.7	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	89	135940	10.0	10.5	
88 Ethylbenzene	91	8.472	8.472	0.000	99	634760	10.0	11.0	
90 m-Xylene & p-Xylene	106	8.594	8.588	0.006	0	228330	10.0	10.4	
91 o-Xylene	106	9.014	9.020	-0.006	98	236716	10.0	10.3	
92 Styrene	104	9.044	9.044	0.000	96	405355	10.0	11.0	
93 Bromoform	173	9.275	9.275	0.000	93	80703	10.0	9.96	
95 Isopropylbenzene	105	9.409	9.409	0.000	96	636585	10.0	10.7	
97 Bromobenzene	156	9.744	9.744	0.000	93	162827	10.0	10.5	
98 1,1,2,2-Tetrachloroethane	83	9.786	9.786	0.000	95	161270	10.0	10.2	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	93	56499	10.0	10.7	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.835	0.000	74	56922	10.0	9.70	
100 N-Propylbenzene	91	9.841	9.835	0.006	99	731916	10.0	10.8	
102 2-Chlorotoluene	126	9.932	9.938	-0.006	96	159001	10.0	11.3	
104 1,3,5-Trimethylbenzene	105	10.018	10.017	0.001	96	513699	10.0	10.7	
105 4-Chlorotoluene	91	10.048	10.048	0.000	97	476739	10.0	10.5	
106 tert-Butylbenzene	134	10.340	10.340	0.000	94	121026	10.0	10.5	
108 1,2,4-Trimethylbenzene	105	10.389	10.395	-0.006	98	529692	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	94	678321	10.0	10.8	
110 1,3-Dichlorobenzene	146	10.675	10.681	-0.006	98	299942	10.0	10.4	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	97	602899	10.0	11.1	
113 1,4-Dichlorobenzene	146	10.766	10.766	0.000	95	308891	10.0	10.6	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	531221	10.0	11.0	
116 1,2-Dichlorobenzene	146	11.113	11.112	0.001	97	295098	10.0	10.6	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.843	-0.007	79	32432	10.0	10.8	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	93	203547	10.0	10.9	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	95	97265	10.0	11.2	
121 Naphthalene	128	12.737	12.737	0.000	98	579219	10.0	10.6	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	93	180967	10.0	10.5	
S 126 Xylenes, Total	1				0			20.7	
S 123 1,3-Dichloropropene, Total	1				0			21.6	
S 124 1,2-Dichloroethene, Total	1				0			20.9	
S 125 Total BTEX	1				0			53.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00127

Amount Added: 5.00

Units: uL

GAS CORP mix_00286

Amount Added: 5.00

Units: uL

N_8260_Surr_00332

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00117

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0613.D

Injection Date: 15-Jun-2018 15:40:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 4

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

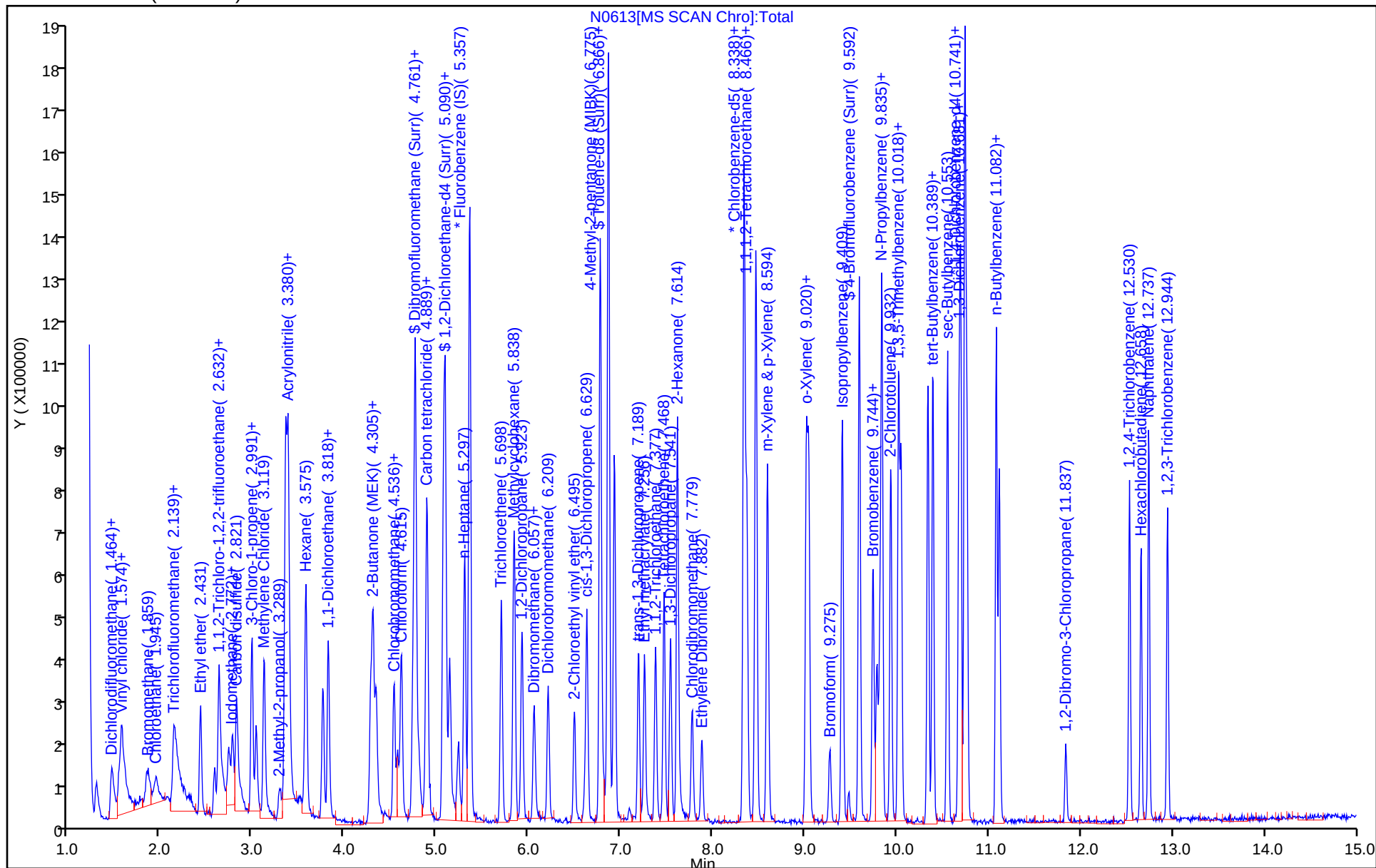
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0613.D

Injection Date: 15-Jun-2018 15:40:30

Instrument ID: HP5973N

Lims ID: IC 4

Client ID:

Operator ID: LH

ALS Bottle#:

7

Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

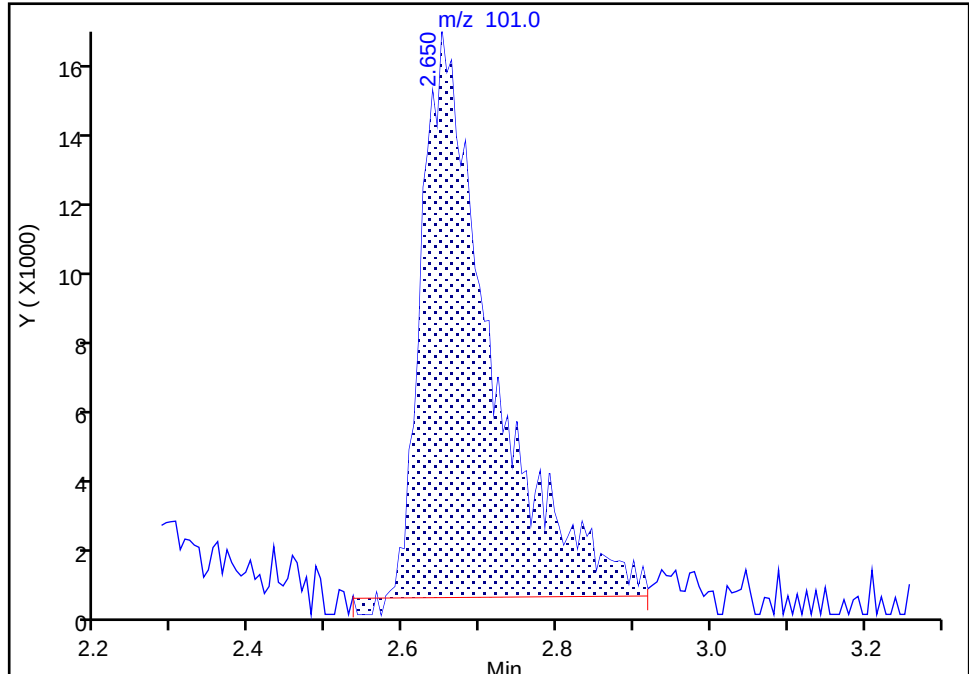
MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

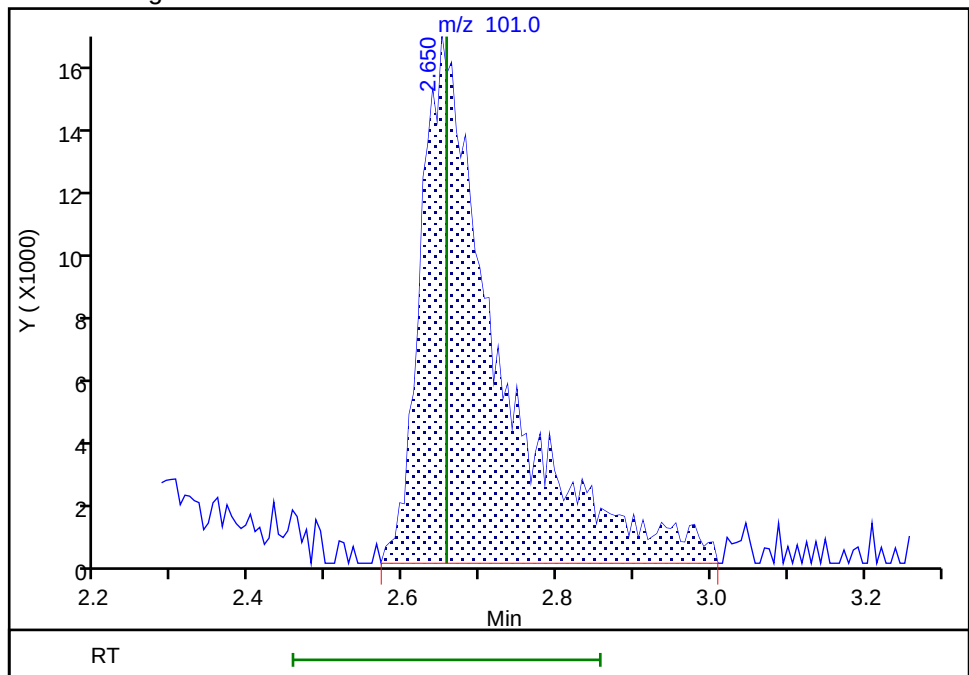
RT: 2.65
Area: 99010
Amount: 9.761170
Amount Units: ug/L

Processing Integration Results



RT: 2.65
Area: 114473
Amount: 11.492438
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:41:20

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

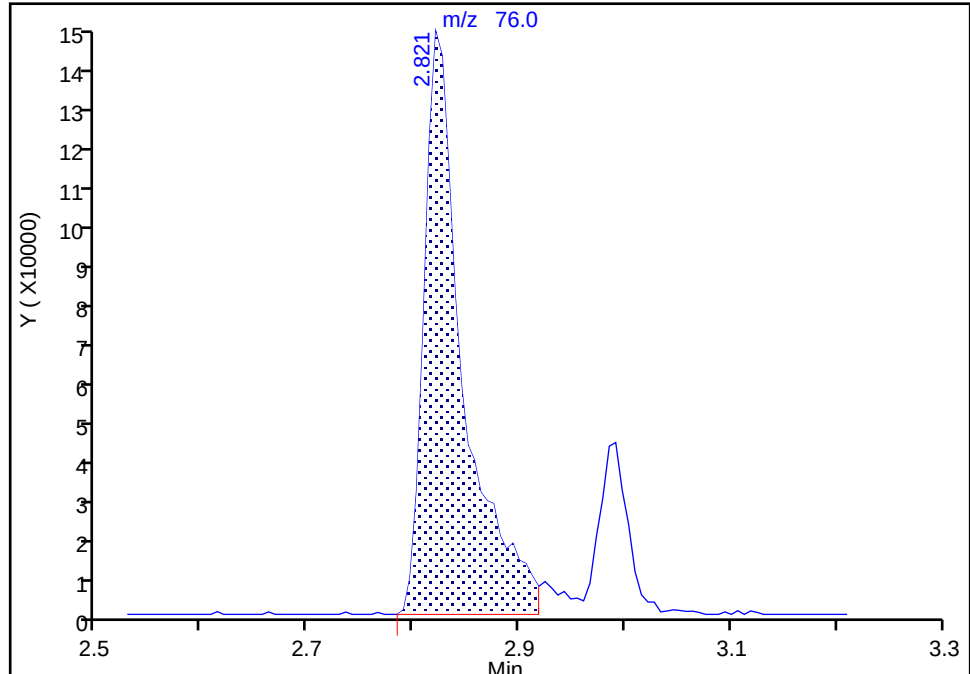
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0613.D
Injection Date: 15-Jun-2018 15:40:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

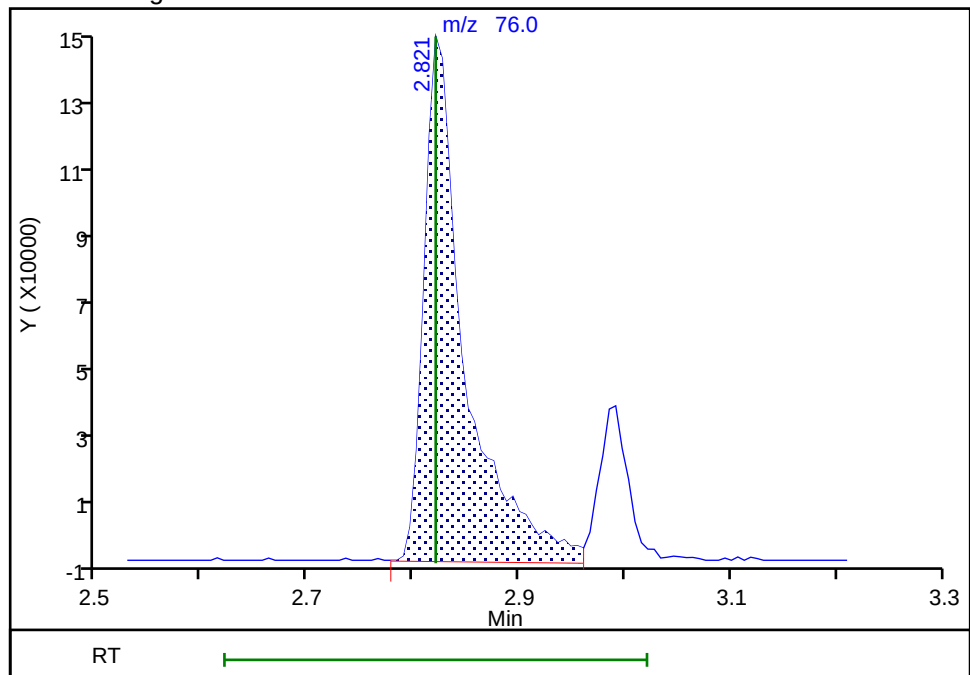
RT: 2.82
Area: 369600
Amount: 11.005648
Amount Units: ug/L

Processing Integration Results



RT: 2.82
Area: 388626
Amount: 11.490814
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:42:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0613.D

Injection Date: 15-Jun-2018 15:40:30

Instrument ID: HP5973N

Lims ID: IC 4

Client ID:

Operator ID: LH

ALS Bottle#:

7

Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

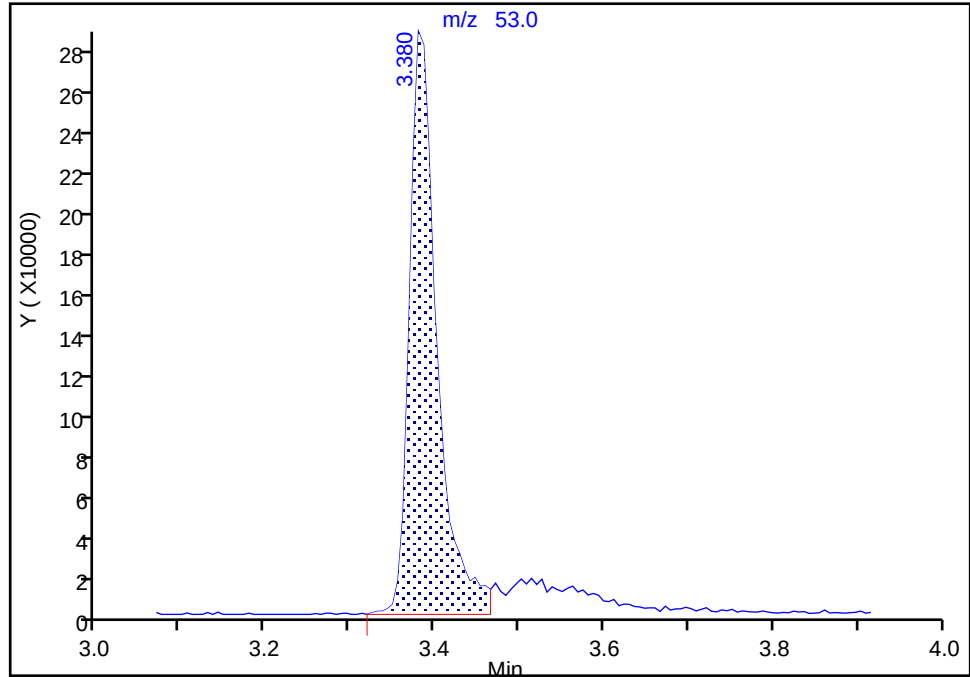
Detector: MS SCAN

34 Acrylonitrile, CAS: 107-13-1

Signal: 1

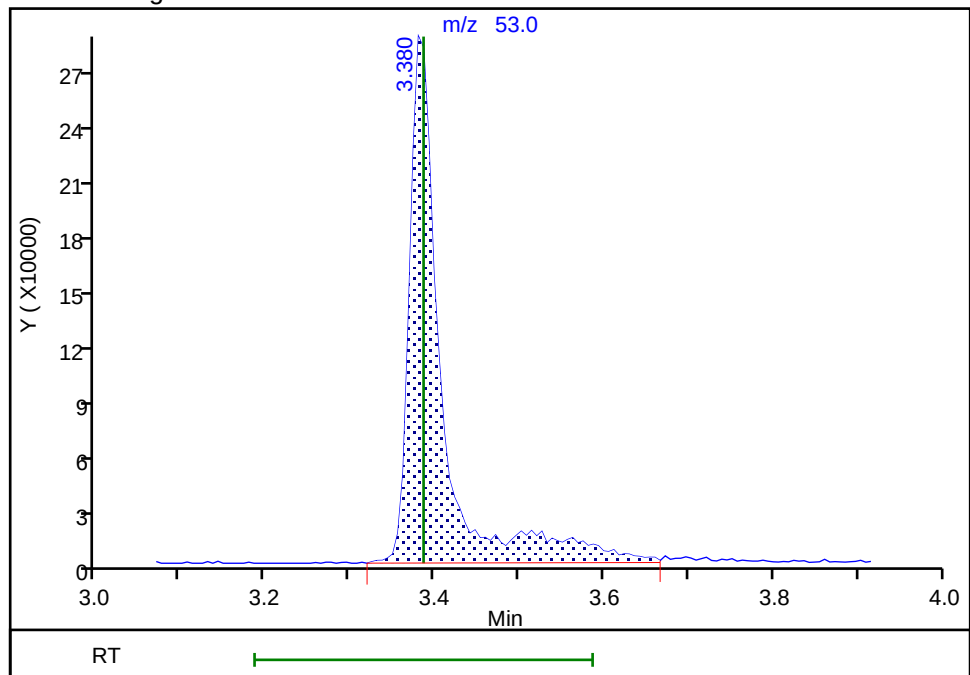
RT: 3.38
Area: 654435
Amount: 99.178213
Amount Units: ug/L

Processing Integration Results



RT: 3.38
Area: 769339
Amount: 113.1750
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:42:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0614.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 15-Jun-2018 16:07:30 ALS Bottle#: 8 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0072372-012
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jun-2018 12:44:26 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK052

First Level Reviewer: HillL

Date: 18-Jun-2018 12:26:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	92	209234	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.339	0.000	86	783991	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	67	399830	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.768	4.768	0.000	67	300779	25.0	25.2	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.066	5.066	0.000	0	365472	25.0	24.5	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	92	1030393	25.0	24.9	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	91	319872	25.0	24.8	
11 Dichlorodifluoromethane	85	1.300	1.300	0.000	86	319774	25.0	25.5	
13 Chloromethane	50	1.464	1.464	0.000	89	418638	25.0	24.1	
14 Vinyl chloride	62	1.549	1.549	0.000	78	337661	25.0	23.2	
144 Butadiene	54	1.574	1.574	0.000	92	332885	25.0	22.4	
15 Bromomethane	94	1.854	1.854	0.000	93	191300	25.0	23.9	
16 Chloroethane	64	1.951	1.951	0.000	89	177558	25.0	24.2	
18 Trichlorofluoromethane	101	2.152	2.152	0.000	60	411209	25.0	24.8	
17 Dichlorofluoromethane	67	2.146	2.146	0.000	78	448648	25.0	24.8	
19 Ethyl ether	59	2.431	2.431	0.000	97	326365	25.0	24.8	
20 Acrolein	56	2.584	2.584	0.000	89	291397	125.0	125.0	
22 1,1-Dichloroethene	96	2.632	2.632	0.000	81	250826	25.0	23.0	
21 1,1,2-Trichloro-1,2,2-trif	101	2.663	2.663	0.000	78	238951	25.0	24.1	
23 Acetone	43	2.742	2.742	0.000	97	520431	125.0	124.0	
24 Iodomethane	142	2.778	2.778	0.000	99	512336	25.0	25.6	
25 Carbon disulfide	76	2.827	2.827	0.000	98	851468	25.0	25.3	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	83	588173	25.0	24.8	
28 Methyl acetate	43	3.034	3.034	0.000	96	757068	50.0	51.9	
30 Methylene Chloride	84	3.125	3.125	0.000	93	330401	25.0	24.9	
31 2-Methyl-2-propanol	59	3.289	3.289	0.000	95	248467	250.0	250.2	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	98	1038953	25.0	25.6	
33 trans-1,2-Dichloroethene	96	3.356	3.356	0.000	63	316095	25.0	24.6	
34 Acrylonitrile	53	3.380	3.380	0.000	98	1724190	250.0	255.1	
35 Hexane	57	3.575	3.575	0.000	92	467950	25.0	23.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.764	3.764	0.000	85	610341	25.0	25.2	
39 Vinyl acetate	43	3.819	3.819	0.000	98	1368862	50.0	51.0	
42 2,2-Dichloropropane	77	4.281	4.281	0.000	90	389996	25.0	23.8	
43 cis-1,2-Dichloroethene	96	4.305	4.305	0.000	73	354967	25.0	25.2	
44 2-Butanone (MEK)	43	4.336	4.336	0.000	92	1059148	125.0	137.7	
47 Chlorobromomethane	128	4.536	4.536	0.000	93	188103	25.0	26.0	
49 Tetrahydrofuran	42	4.567	4.567	0.000	89	280599	50.0	47.2	
50 Chloroform	83	4.615	4.615	0.000	72	550860	25.0	24.6	
51 1,1,1-Trichloroethane	97	4.737	4.737	0.000	90	443261	25.0	23.7	
52 Cyclohexane	56	4.761	4.761	0.000	94	535534	25.0	23.9	
53 Carbon tetrachloride	117	4.889	4.889	0.000	71	382759	25.0	24.1	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	87	394792	25.0	24.1	
55 Benzene	78	5.090	5.090	0.000	97	1191244	25.0	25.0	
56 Isobutyl alcohol	43	5.090	5.090	0.000	49	457534	625.0	550.6	
57 1,2-Dichloroethane	62	5.139	5.139	0.000	72	519669	25.0	24.2	
59 n-Heptane	43	5.303	5.303	0.000	87	514789	25.0	25.2	
60 Trichloroethene	95	5.698	5.698	0.000	88	323730	25.0	25.0	
62 Methylcyclohexane	83	5.838	5.838	0.000	96	509949	25.0	24.8	
63 1,2-Dichloropropane	63	5.923	5.923	0.000	86	324571	25.0	25.0	
64 Dibromomethane	93	6.051	6.051	0.000	88	212662	25.0	24.7	
66 1,4-Dioxane	88	6.069	6.069	0.000	45	82919	500.0	523.5	M
67 Dichlorobromomethane	83	6.209	6.209	0.000	87	407894	25.0	25.5	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	92	232484	25.0	26.3	
71 cis-1,3-Dichloropropene	75	6.629	6.629	0.000	86	471254	25.0	25.6	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	99	824029	125.0	131.5	
73 Toluene	92	6.933	6.933	0.000	95	757033	25.0	25.1	
75 trans-1,3-Dichloropropene	75	7.189	7.189	0.000	89	432724	25.0	26.7	
77 Ethyl methacrylate	69	7.256	7.256	0.000	92	389723	25.0	26.2	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	89	221383	25.0	25.8	
79 Tetrachloroethene	166	7.469	7.469	0.000	89	323802	25.0	24.4	
80 1,3-Dichloropropane	76	7.536	7.536	0.000	95	467122	25.0	25.3	
82 2-Hexanone	43	7.615	7.615	0.000	99	1551654	125.0	134.3	
83 Chlorodibromomethane	129	7.773	7.773	0.000	88	320008	25.0	26.4	
84 Ethylene Dibromide	107	7.882	7.882	0.000	96	305051	25.0	27.1	
85 Chlorobenzene	112	8.369	8.369	0.000	93	877373	25.0	25.5	
89 1,1,1,2-Tetrachloroethane	131	8.460	8.460	0.000	48	326836	25.0	26.2	
88 Ethylbenzene	91	8.472	8.472	0.000	98	1369564	25.0	24.5	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	553246	25.0	26.0	
91 o-Xylene	106	9.014	9.014	0.000	98	552920	25.0	25.0	
92 Styrene	104	9.044	9.044	0.000	96	922922	25.0	25.9	
93 Bromoform	173	9.269	9.269	0.000	92	204005	25.0	26.1	
95 Isopropylbenzene	105	9.403	9.403	0.000	96	1435122	25.0	25.0	
97 Bromobenzene	156	9.744	9.744	0.000	91	360702	25.0	24.2	
98 1,1,2,2-Tetrachloroethane	83	9.780	9.780	0.000	89	388414	25.0	25.6	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	86	126923	25.0	24.9	
100 N-Propylbenzene	91	9.835	9.835	0.000	98	1638178	25.0	25.1	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.835	0.000	31	142512	25.0	25.3	
102 2-Chlorotoluene	126	9.933	9.933	0.000	96	352147	25.0	25.9	
104 1,3,5-Trimethylbenzene	105	10.018	10.018	0.000	96	1176597	25.0	25.5	
105 4-Chlorotoluene	91	10.048	10.048	0.000	97	1117743	25.0	25.7	
106 tert-Butylbenzene	134	10.340	10.340	0.000	91	278773	25.0	25.1	
108 1,2,4-Trimethylbenzene	105	10.389	10.389	0.000	66	1214036	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
109 sec-Butylbenzene	105	10.553	10.553	0.000	94	1538864	25.0	25.5	
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	97	700737	25.0	25.2	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	96	1343714	25.0	25.8	
113 1,4-Dichlorobenzene	146	10.760	10.760	0.000	92	703970	25.0	25.2	
115 n-Butylbenzene	91	11.082	11.082	0.000	95	1198747	25.0	25.9	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	95	684047	25.0	25.4	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.837	0.000	81	77949	25.0	27.0	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	90	492214	25.0	27.4	
120 Hexachlorobutadiene	225	12.652	12.652	0.000	93	204880	25.0	24.5	
121 Naphthalene	128	12.737	12.737	0.000	97	1458006	25.0	27.8	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	94	445208	25.0	27.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00127	Amount Added: 12.50	Units: uL	
GAS CORP mix_00286	Amount Added: 12.50	Units: uL	
N_8260_Surr_00332	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00117	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180615-72372.b\\N0614.D

Injection Date: 15-Jun-2018 16:07:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: ICIS 5

Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL

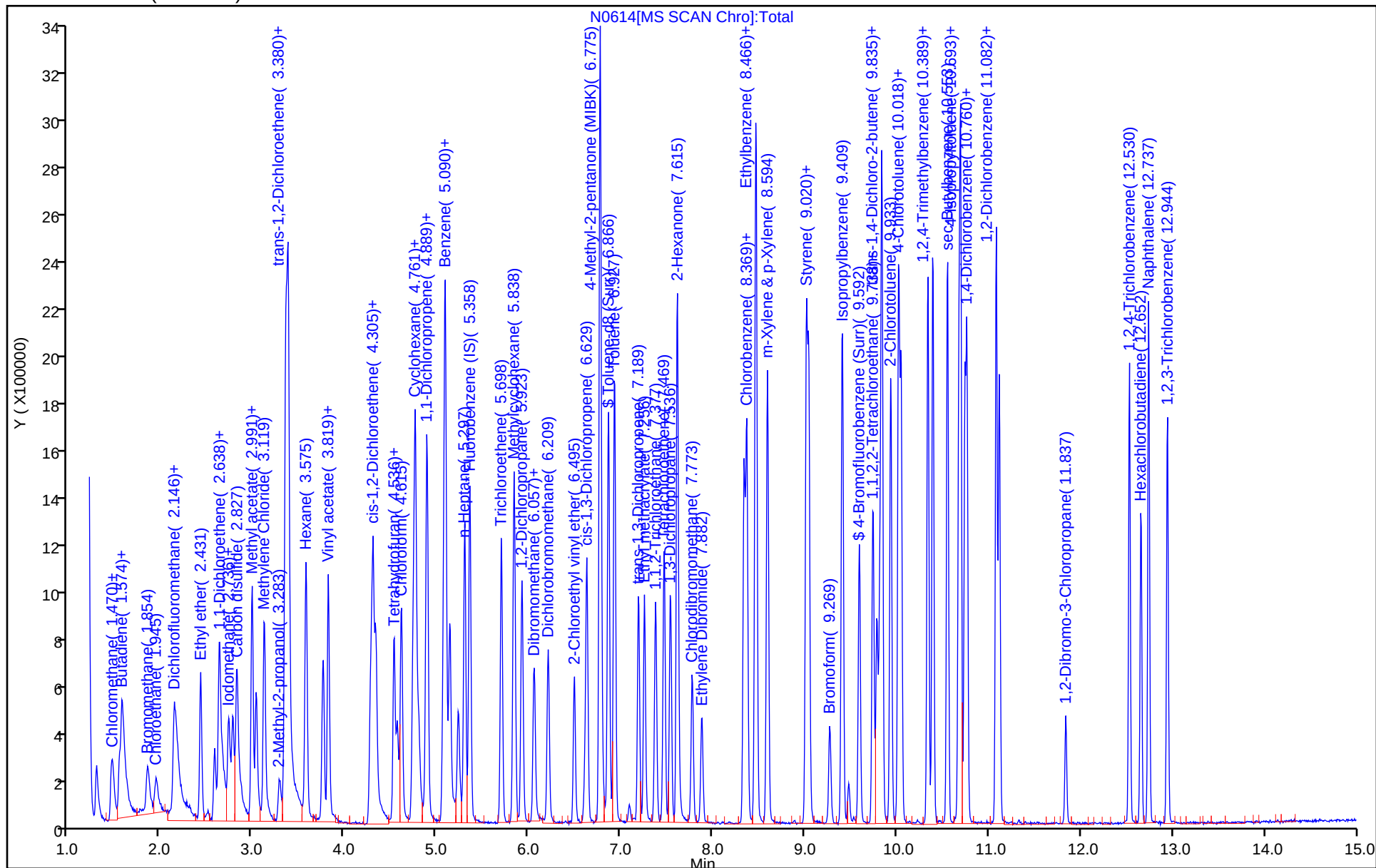
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0614.D

Injection Date: 15-Jun-2018 16:07:30

Instrument ID: HP5973N

Lims ID: ICIS 5

Client ID:

Operator ID: LH

ALS Bottle#:

8

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

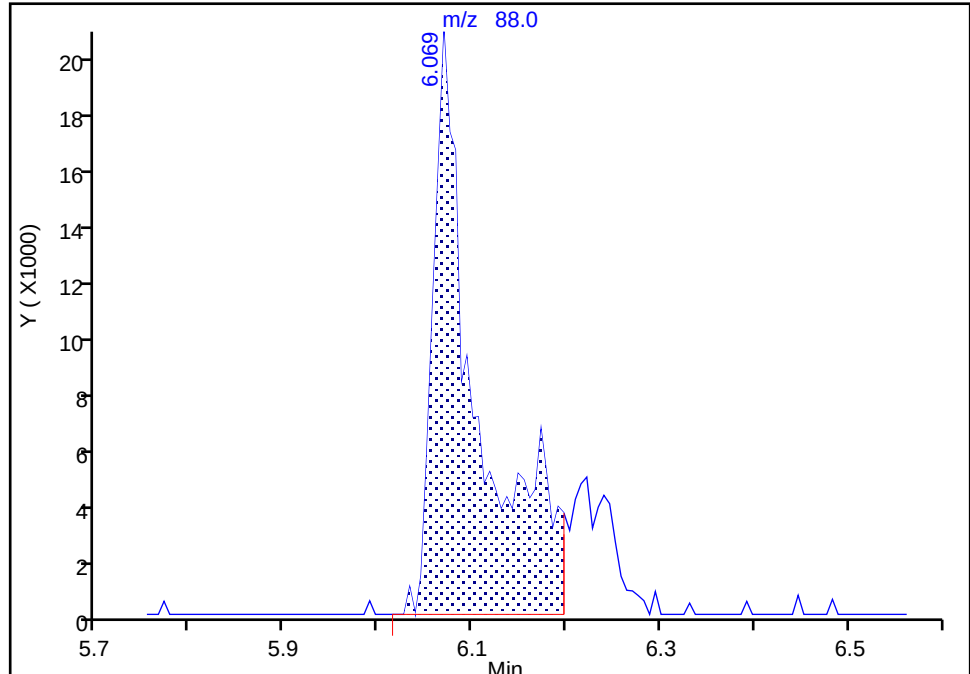
Detector: MS SCAN

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

Signal: 1

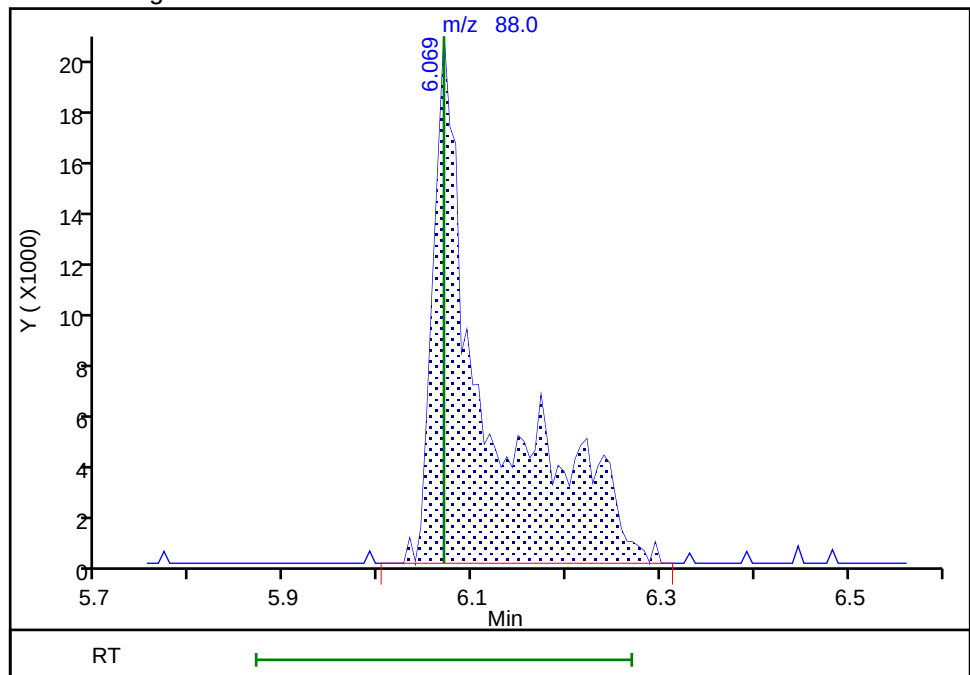
RT: 6.07
Area: 68506
Amount: 541.7530
Amount Units: ug/L

Processing Integration Results



RT: 6.07
Area: 82919
Amount: 523.5047
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 18:18:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0615.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 15-Jun-2018 16:34:30 ALS Bottle#: 9 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0072372-013
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jun-2018 12:44:30 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK052

First Level Reviewer: milligana

Date: 15-Jun-2018 20:44:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	216976	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.339	0.000	86	823002	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	95	398004	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.761	4.768	-0.007	55	302536	25.0	24.4	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.066	0.006	0	371695	25.0	24.1	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	1052987	25.0	24.3	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	91	322288	25.0	23.8	
11 Dichlorodifluoromethane	85	1.300	1.300	0.000	98	657528	50.0	50.5	
13 Chloromethane	50	1.470	1.464	0.006	99	876454	50.0	48.7	
14 Vinyl chloride	62	1.549	1.549	0.000	98	684112	50.0	45.3	
144 Butadiene	54	1.580	1.574	0.006	93	695038	50.0	45.1	
15 Bromomethane	94	1.847	1.854	-0.007	93	372837	50.0	44.9	
16 Chloroethane	64	1.945	1.951	-0.006	97	368033	50.0	48.3	
17 Dichlorofluoromethane	67	2.152	2.146	0.006	93	911652	50.0	48.6	
18 Trichlorofluoromethane	101	2.145	2.152	-0.007	75	853724	50.0	49.7	
19 Ethyl ether	59	2.431	2.431	0.000	97	637232	50.0	46.6	
20 Acrolein	56	2.583	2.584	-0.001	98	575599	250.0	238.2	
22 1,1-Dichloroethene	96	2.638	2.632	0.006	94	510028	50.0	45.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.650	2.663	-0.013	93	482263	50.0	47.0	
23 Acetone	43	2.736	2.742	-0.006	98	907666	250.0	208.6	M
24 Iodomethane	142	2.784	2.778	0.006	98	1026527	50.0	49.4	
25 Carbon disulfide	76	2.827	2.827	0.000	99	1713849	50.0	49.2	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	86	1173991	50.0	47.7	
28 Methyl acetate	43	3.034	3.034	0.000	99	1339552	100.0	88.6	
30 Methylene Chloride	84	3.125	3.125	0.000	97	656584	50.0	48.5	
31 2-Methyl-2-propanol	59	3.283	3.289	-0.006	97	457254	500.0	444.0	
33 trans-1,2-Dichloroethene	96	3.356	3.356	0.000	93	605317	50.0	45.4	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	100	2089723	50.0	49.7	
34 Acrylonitrile	53	3.380	3.380	0.000	98	3581632	500.0	511.1	M
35 Hexane	57	3.575	3.575	0.000	95	896243	50.0	42.9	

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	3.764	3.764	0.000	97	1193228	50.0	47.6	
39 Vinyl acetate	43	3.818	3.819	-0.001	98	2735457	100.0	98.3	
42 2,2-Dichloropropane	77	4.281	4.281	0.000	88	776390	50.0	45.6	
43 cis-1,2-Dichloroethene	96	4.305	4.305	0.000	86	698069	50.0	47.7	
44 2-Butanone (MEK)	43	4.336	4.336	0.000	99	2050834	250.0	257.1	
47 Chlorobromomethane	128	4.536	4.536	0.000	95	361579	50.0	48.1	
49 Tetrahydrofuran	42	4.567	4.567	0.000	90	583756	100.0	94.8	
50 Chloroform	83	4.615	4.615	0.000	96	1102273	50.0	47.5	
51 1,1,1-Trichloroethane	97	4.743	4.737	0.006	97	916610	50.0	47.3	
52 Cyclohexane	56	4.768	4.761	0.007	96	1074024	50.0	46.3	
53 Carbon tetrachloride	117	4.883	4.889	-0.006	96	799858	50.0	48.6	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	89	789442	50.0	46.6	
56 Isobutyl alcohol	43	5.084	5.090	-0.006	52	908655	1250.0	1054.5	
55 Benzene	78	5.090	5.090	0.000	97	2357523	50.0	47.6	
57 1,2-Dichloroethane	62	5.139	5.139	0.000	97	1022784	50.0	46.0	
59 n-Heptane	43	5.303	5.303	0.000	96	1033063	50.0	48.8	
60 Trichloroethene	95	5.698	5.698	0.000	94	643925	50.0	47.9	
62 Methylcyclohexane	83	5.838	5.838	0.000	96	1015519	50.0	47.7	
63 1,2-Dichloropropane	63	5.923	5.923	0.000	89	643092	50.0	47.8	
64 Dibromomethane	93	6.057	6.051	0.006	97	437699	50.0	49.0	
66 1,4-Dioxane	88	6.069	6.069	0.000	99	163759	1000.0	984.9	M
67 Dichlorobromomethane	83	6.209	6.209	0.000	97	831223	50.0	50.1	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	95	470078	50.0	51.3	
71 cis-1,3-Dichloropropene	75	6.629	6.629	0.000	89	956521	50.0	50.1	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	99	1642954	250.0	249.8	
73 Toluene	92	6.927	6.933	-0.006	97	1472318	50.0	46.4	
75 trans-1,3-Dichloropropene	75	7.189	7.189	0.000	96	892700	50.0	52.5	
77 Ethyl methacrylate	69	7.256	7.256	0.000	92	801944	50.0	51.4	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	94	446685	50.0	49.6	
79 Tetrachloroethene	166	7.475	7.469	0.006	94	655818	50.0	47.2	
80 1,3-Dichloropropane	76	7.542	7.536	0.006	97	917996	50.0	47.4	
82 2-Hexanone	43	7.615	7.615	0.000	99	3034821	250.0	250.2	
83 Chlorodibromomethane	129	7.773	7.773	0.000	90	647139	50.0	50.8	
84 Ethylene Dibromide	107	7.882	7.882	0.000	98	601230	50.0	50.8	
85 Chlorobenzene	112	8.369	8.369	0.000	94	1745725	50.0	48.4	
89 1,1,1,2-Tetrachloroethane	131	8.460	8.460	0.000	93	649362	50.0	49.6	
88 Ethylbenzene	91	8.472	8.472	0.000	98	2781536	50.0	47.5	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	1106925	50.0	49.6	
91 o-Xylene	106	9.020	9.014	0.006	97	1116770	50.0	48.1	
92 Styrene	104	9.044	9.044	0.000	96	1858717	50.0	49.7	
93 Bromoform	173	9.269	9.269	0.000	95	418982	50.0	51.0	
95 Isopropylbenzene	105	9.409	9.403	0.006	96	2899883	50.0	50.8	
97 Bromobenzene	156	9.744	9.744	0.000	91	731891	50.0	49.4	
98 1,1,2,2-Tetrachloroethane	83	9.780	9.780	0.000	96	755997	50.0	50.0	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	91	250823	50.0	49.5	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.835	0.000	78	288781	50.0	51.4	
100 N-Propylbenzene	91	9.835	9.835	0.000	99	3305485	50.0	50.9	
102 2-Chlorotoluene	126	9.932	9.933	0.000	96	700880	50.0	51.9	
104 1,3,5-Trimethylbenzene	105	10.018	10.018	0.000	94	2362171	50.0	51.4	
105 4-Chlorotoluene	91	10.042	10.048	-0.006	98	2172778	50.0	50.1	
106 tert-Butylbenzene	134	10.340	10.340	0.000	94	553208	50.0	50.0	
108 1,2,4-Trimethylbenzene	105	10.395	10.389	0.006	98	2444341	50.0	50.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	94	3053936	50.0	50.7	
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	98	1388568	50.0	50.3	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	97	2641568	50.0	50.9	
113 1,4-Dichlorobenzene	146	10.766	10.760	0.006	95	1393050	50.0	50.0	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	2316962	50.0	50.2	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	97	1356591	50.0	50.7	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.837	0.000	83	162144	50.0	56.4	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	94	965139	50.0	54.0	
120 Hexachlorobutadiene	225	12.658	12.652	0.006	97	399315	50.0	47.9	
121 Naphthalene	128	12.737	12.737	0.000	97	2898399	50.0	55.6	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	95	879783	50.0	53.5	
S 126 Xylenes, Total	1				0			97.8	
S 123 1,3-Dichloropropene, Total	1				0			102.7	
S 124 1,2-Dichloroethene, Total	1				0			93.1	
S 125 Total BTEX	1				0			239.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00127

Amount Added: 25.00

Units: uL

GAS CORP mix_00286

Amount Added: 25.00

Units: uL

N_8260_Surr_00332

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00117

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180615-72372.b\\N0615.D

Injection Date: 15-Jun-2018 16:34:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 6

Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL

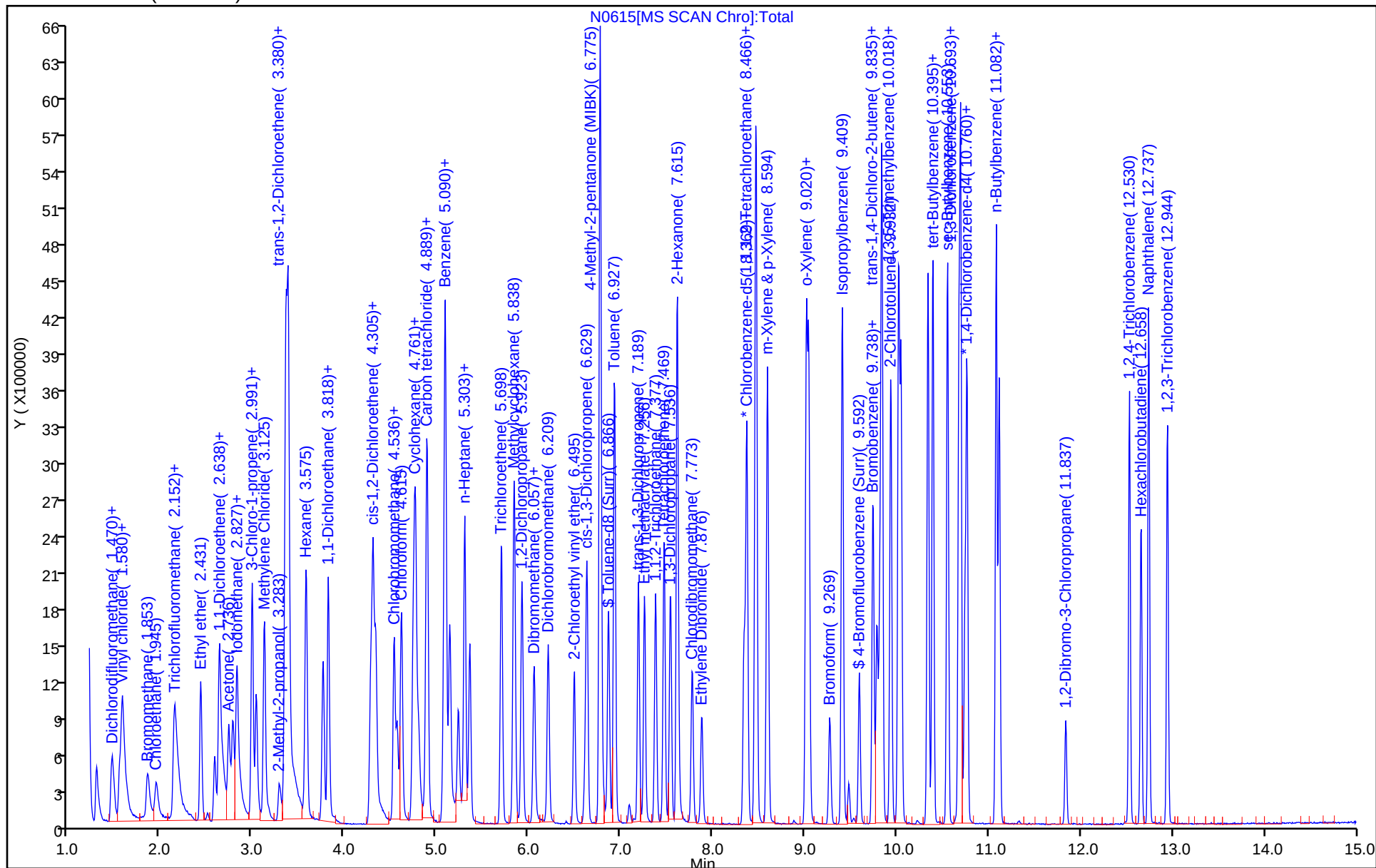
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0615.D

Injection Date: 15-Jun-2018 16:34:30

Instrument ID: HP5973N

Lims ID: IC 6

Client ID:

Operator ID: LH

ALS Bottle#:

9

Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

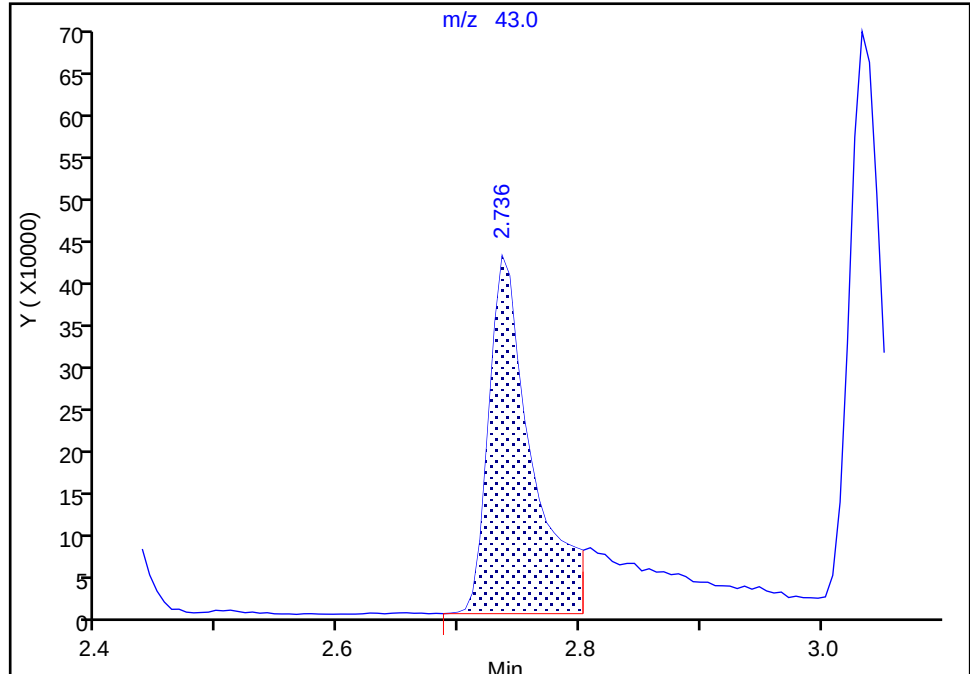
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

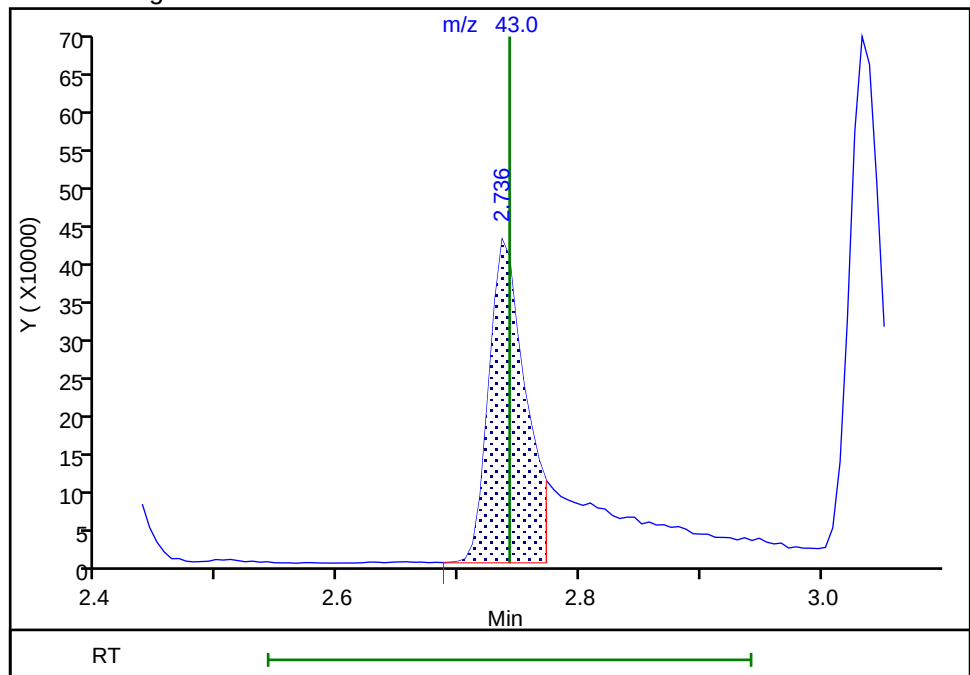
RT: 2.74
Area: 1060008
Amount: 225.1243
Amount Units: ug/L

Processing Integration Results



RT: 2.74
Area: 907666
Amount: 208.5984
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 16-Jun-2018 10:57:17

Audit Action: Manually Integrated

Audit Reason: Split Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0615.D

Injection Date: 15-Jun-2018 16:34:30

Instrument ID: HP5973N

Lims ID: IC 6

Client ID:

Operator ID: LH

ALS Bottle#:

9

Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

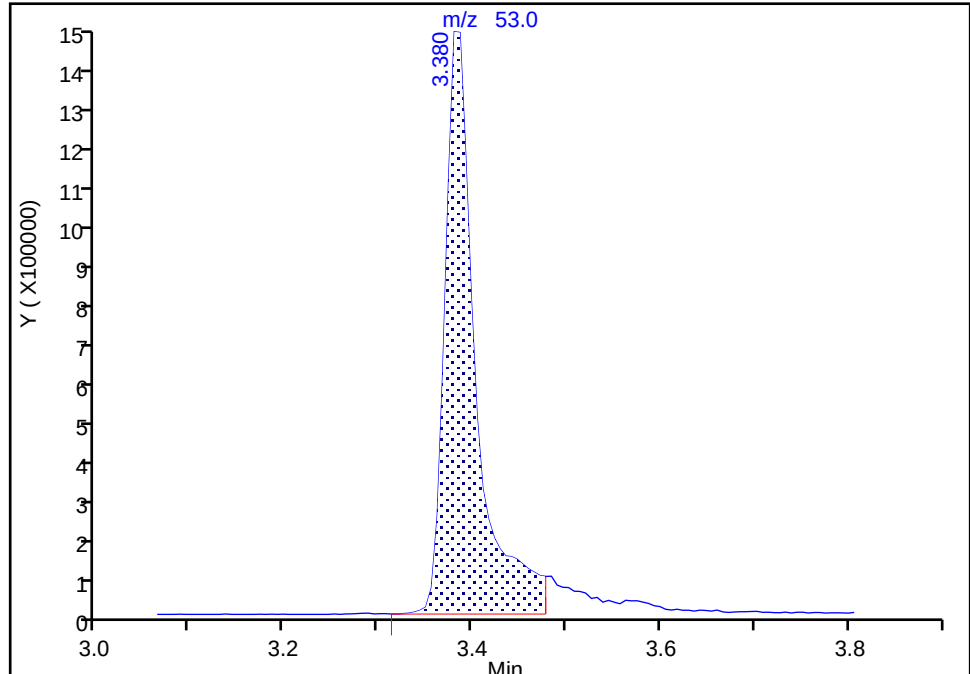
Detector: MS SCAN

34 Acrylonitrile, CAS: 107-13-1

Signal: 1

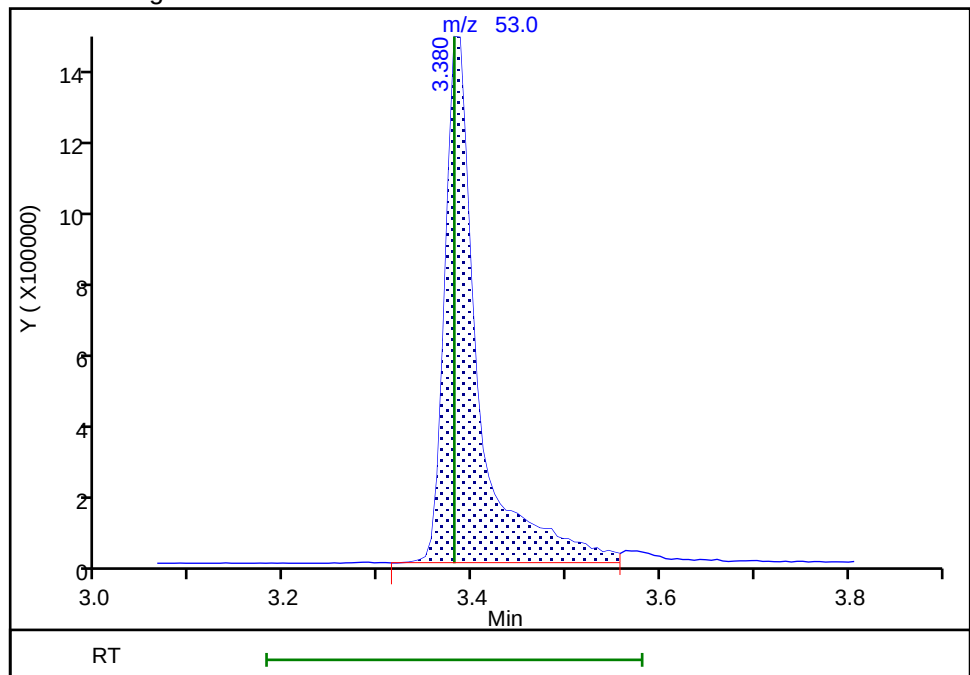
RT: 3.38
Area: 3352456
Amount: 482.3454
Amount Units: ug/L

Processing Integration Results



RT: 3.38
Area: 3581632
Amount: 511.1056
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:44:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0615.D

Injection Date: 15-Jun-2018 16:34:30

Instrument ID: HP5973N

Lims ID: IC 6

Client ID:

Operator ID: LH

ALS Bottle#:

9

Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

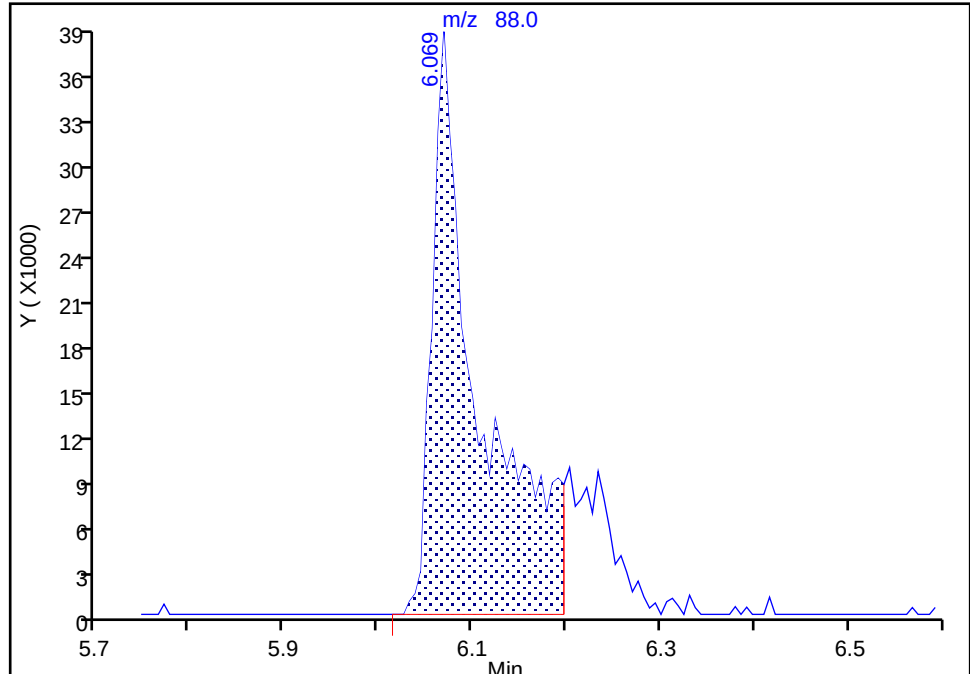
Detector: MS SCAN

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

Signal: 1

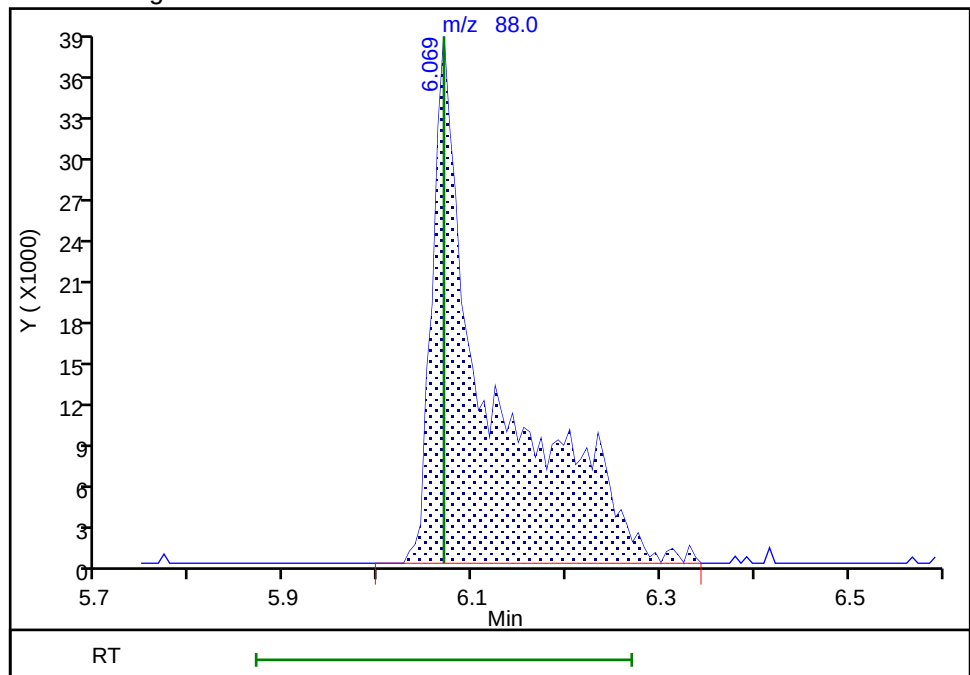
RT: 6.07
Area: 133973
Amount: 824.1939
Amount Units: ug/L

Processing Integration Results



RT: 6.07
Area: 163759
Amount: 984.8768
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 15-Jun-2018 20:44:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0616.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 15-Jun-2018 17:01:30 ALS Bottle#: 10 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0072372-014
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jun-2018 12:44:35 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK052

First Level Reviewer: milligana

Date: 15-Jun-2018 20:47:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	99	212426	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.339	0.000	88	843028	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	96	403810	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.768	4.768	0.000	43	306861	25.0	25.3	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.066	5.066	0.000	0	375772	25.0	24.8	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	1088579	25.0	24.5	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	91	338909	25.0	24.4	
11 Dichlorodifluoromethane	85	1.300	1.300	0.000	98	1390682	100.0	109.1	
13 Chloromethane	50	1.470	1.464	0.006	99	1780451	100.0	101.0	
14 Vinyl chloride	62	1.549	1.549	0.000	98	1421907	100.0	96.2	
144 Butadiene	54	1.580	1.574	0.006	94	1457946	100.0	96.6	
15 Bromomethane	94	1.860	1.854	0.006	93	758729	100.0	93.2	
16 Chloroethane	64	1.945	1.951	-0.006	96	741369	100.0	99.4	
17 Dichlorofluoromethane	67	2.152	2.146	0.006	97	1837338	100.0	100.0	
18 Trichlorofluoromethane	101	2.145	2.152	-0.007	86	1785046	100.0	106.1	
19 Ethyl ether	59	2.431	2.431	0.000	97	1321838	100.0	98.8	
20 Acrolein	56	2.583	2.584	-0.001	99	1223513	500.0	517.1	
22 1,1-Dichloroethene	96	2.632	2.632	0.000	94	1120375	100.0	101.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.663	2.663	0.000	93	1123893	100.0	111.8	
23 Acetone	43	2.736	2.742	-0.006	98	2322360	500.0	545.2	M
24 Iodomethane	142	2.784	2.778	0.006	99	2152554	100.0	105.8	
25 Carbon disulfide	76	2.827	2.827	0.000	99	3664680	100.0	107.4	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	86	2515834	100.0	104.4	
28 Methyl acetate	43	3.034	3.034	0.000	99	2998714	200.0	202.6	
30 Methylene Chloride	84	3.125	3.125	0.000	96	1328951	100.0	101.1	
31 2-Methyl-2-propanol	59	3.283	3.289	-0.006	98	1267574	1000.0	1257.3	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	99	4239234	100.0	103.1	
33 trans-1,2-Dichloroethene	96	3.362	3.356	0.006	94	1281314	100.0	98.1	
34 Acrylonitrile	53	3.387	3.380	0.007	98	7792194	1000.0	1135.8	
35 Hexane	57	3.575	3.575	0.000	96	2148797	100.0	105.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.764	3.764	0.000	97	2536912	100.0	103.4	
39 Vinyl acetate	43	3.818	3.819	-0.001	97	5859986	200.0	215.0	
42 2,2-Dichloropropane	77	4.281	4.281	0.000	90	1631081	100.0	97.9	
43 cis-1,2-Dichloroethene	96	4.305	4.305	0.000	86	1475550	100.0	103.0	
44 2-Butanone (MEK)	43	4.336	4.336	0.000	98	4885164	500.0	625.6	
47 Chlorobromomethane	128	4.536	4.536	0.000	95	773025	100.0	105.1	
49 Tetrahydrofuran	42	4.561	4.567	-0.006	91	1305592	200.0	216.5	
50 Chloroform	83	4.615	4.615	0.000	97	2306711	100.0	101.4	
51 1,1,1-Trichloroethane	97	4.743	4.737	0.006	97	1956580	100.0	103.2	
52 Cyclohexane	56	4.768	4.761	0.007	96	2419845	100.0	106.5	
53 Carbon tetrachloride	117	4.883	4.889	-0.006	96	1774881	100.0	110.2	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	90	1732109	100.0	104.3	
55 Benzene	78	5.090	5.090	0.000	98	5060498	100.0	104.4	
56 Isobutyl alcohol	43	5.084	5.090	-0.006	93	2173699	2500.0	2576.6	
57 1,2-Dichloroethane	62	5.139	5.139	0.000	97	2173200	100.0	99.9	
59 n-Heptane	43	5.303	5.303	0.000	96	2354295	100.0	113.7	
60 Trichloroethene	95	5.698	5.698	0.000	94	1390846	100.0	105.6	
62 Methylcyclohexane	83	5.838	5.838	0.000	96	2243491	100.0	107.6	
63 1,2-Dichloropropane	63	5.923	5.923	0.000	88	1357177	100.0	103.1	
64 Dibromomethane	93	6.051	6.051	0.000	95	921412	100.0	105.4	
66 1,4-Dioxane	88	6.069	6.069	0.000	96	342375	2000.0	2010.2	
67 Dichlorobromomethane	83	6.209	6.209	0.000	96	1840007	100.0	113.3	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	94	1061648	100.0	118.2	
71 cis-1,3-Dichloropropene	75	6.629	6.629	0.000	93	2083048	100.0	111.5	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	99	3584805	500.0	532.2	
73 Toluene	92	6.933	6.933	0.000	97	3270917	100.0	100.7	
75 trans-1,3-Dichloropropene	75	7.189	7.189	0.000	96	1954458	100.0	112.3	
77 Ethyl methacrylate	69	7.256	7.256	0.000	94	1707452	100.0	106.7	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	94	953889	100.0	103.5	
79 Tetrachloroethene	166	7.475	7.469	0.006	95	1457738	100.0	102.3	
80 1,3-Dichloropropane	76	7.542	7.536	0.006	97	1993616	100.0	100.5	
82 2-Hexanone	43	7.615	7.615	0.000	99	6774830	500.0	545.3	
83 Chlorodibromomethane	129	7.779	7.773	0.006	91	1446676	100.0	111.0	
84 Ethylene Dibromide	107	7.876	7.882	-0.006	99	1296788	100.0	106.9	
85 Chlorobenzene	112	8.369	8.369	0.000	95	3810550	100.0	103.1	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.460	0.006	93	1384864	100.0	103.3	
88 Ethylbenzene	91	8.472	8.472	0.000	99	6070913	100.0	101.1	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	2383996	100.0	104.3	
91 o-Xylene	106	9.020	9.014	0.006	97	2369117	100.0	99.7	
92 Styrene	104	9.044	9.044	0.000	96	3967232	100.0	103.6	
93 Bromoform	173	9.269	9.269	0.000	95	974522	100.0	115.8	
95 Isopropylbenzene	105	9.409	9.403	0.006	96	6215157	100.0	107.3	
97 Bromobenzene	156	9.744	9.744	0.000	91	1579153	100.0	105.1	
98 1,1,2,2-Tetrachloroethane	83	9.786	9.780	0.006	96	1573575	100.0	102.6	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	91	516037	100.0	100.4	
100 N-Propylbenzene	91	9.841	9.835	0.006	99	7025157	100.0	106.5	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.835	0.000	85	631485	100.0	110.9	
102 2-Chlorotoluene	126	9.932	9.933	0.000	96	1514199	100.0	110.5	
104 1,3,5-Trimethylbenzene	105	10.024	10.018	0.006	95	5003044	100.0	107.2	
105 4-Chlorotoluene	91	10.048	10.048	0.000	97	4645073	100.0	105.6	
106 tert-Butylbenzene	134	10.340	10.340	0.000	93	1186151	100.0	105.6	
108 1,2,4-Trimethylbenzene	105	10.395	10.389	0.006	98	5126631	100.0	105.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	94	6433230	100.0	105.4	
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	99	2915000	100.0	104.0	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	97	5468310	100.0	103.8	
113 1,4-Dichlorobenzene	146	10.766	10.760	0.006	95	2930013	100.0	103.8	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	4707291	100.0	100.5	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	97	2795258	100.0	102.9	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.837	0.000	81	354748	100.0	121.7	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	94	1936750	100.0	106.7	
120 Hexachlorobutadiene	225	12.658	12.652	0.006	97	774991	100.0	91.7	
121 Naphthalene	128	12.737	12.737	0.000	97	6070746	100.0	114.8	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	95	1797508	100.0	107.8	
S 124 1,2-Dichloroethene, Total	1				0			201.2	
S 125 Total BTEX	1				0			510.3	
S 126 Xylenes, Total	1				0			204.0	
S 123 1,3-Dichloropropene, Total	1				0			223.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00127

Amount Added: 50.00

Units: uL

GAS CORP mix_00286

Amount Added: 50.00

Units: uL

N_8260_Surr_00332

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00117

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180615-72372.b\\N0616.D

Injection Date: 15-Jun-2018 17:01:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 7

Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL

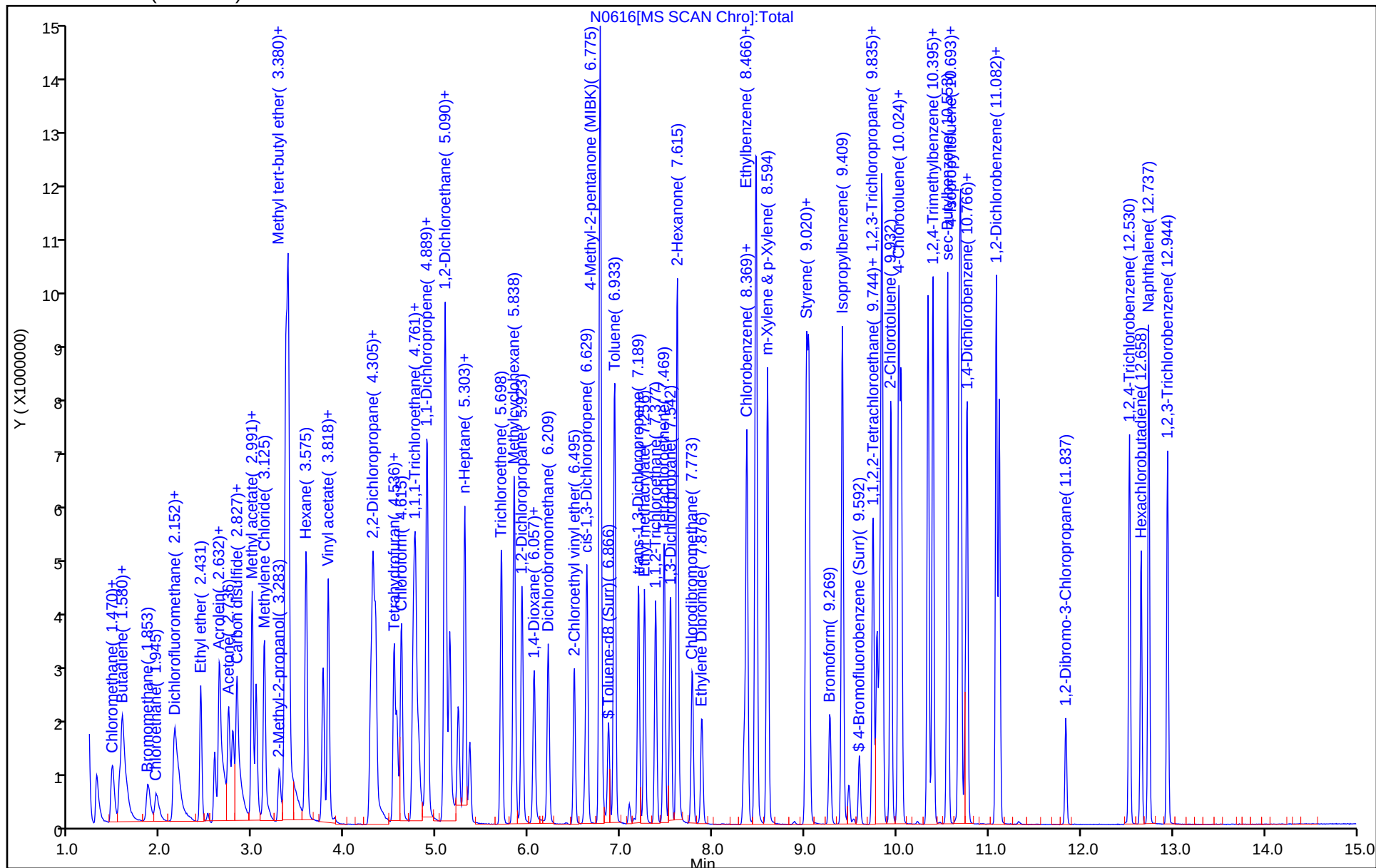
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0616.D

Injection Date: 15-Jun-2018 17:01:30

Instrument ID: HP5973N

Lims ID: IC 7

Client ID:

Operator ID: LH

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

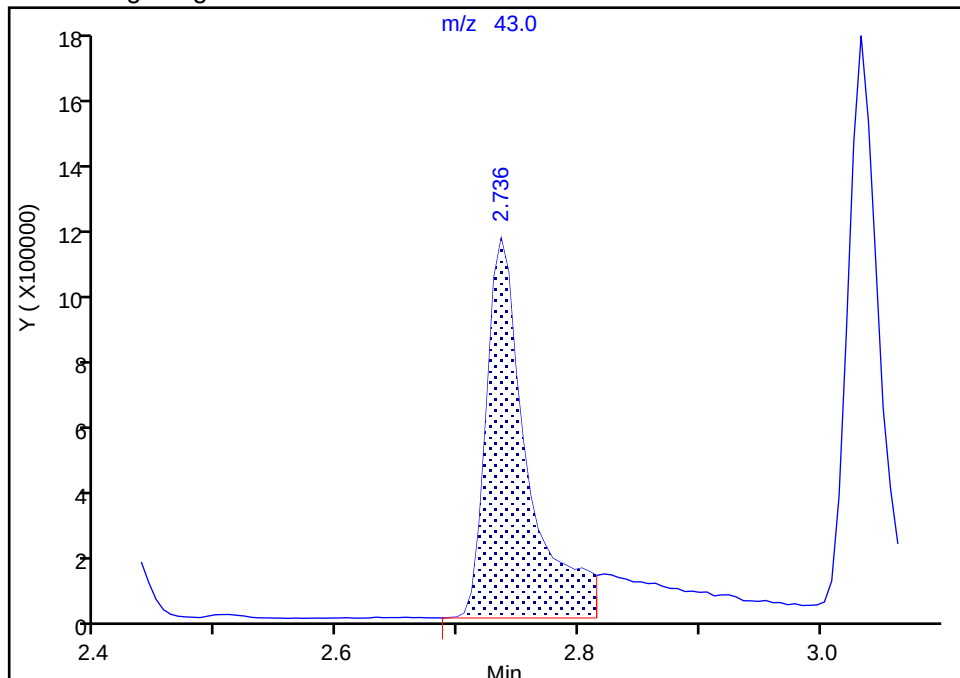
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

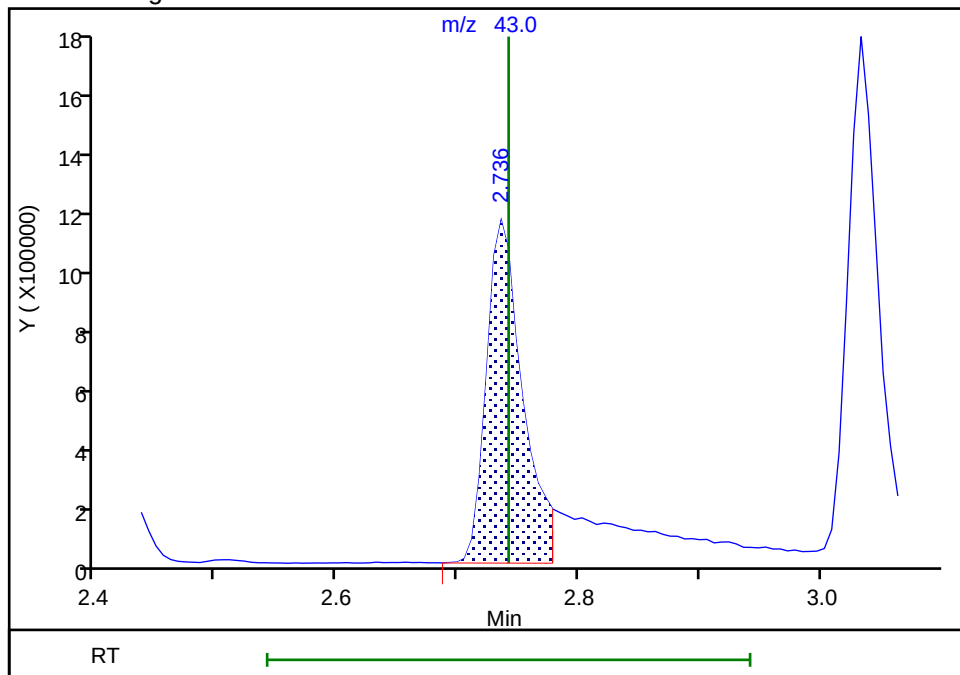
RT: 2.74
Area: 2633626
Amount: 502.4101
Amount Units: ug/L

Processing Integration Results



RT: 2.74
Area: 2322360
Amount: 545.1532
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 16-Jun-2018 10:58:03

Audit Action: Manually Integrated

Audit Reason: Split Peak

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 425324

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2018 15:25 Calibration End Date: 07/19/2018 18:36 Calibration ID: 34380

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-425324/7	N1648.D
Level 2	IC 480-425324/8	N1649.D
Level 3	IC 480-425324/9	N1650.D
Level 4	IC 480-425324/10	N1651.D
Level 5	IC 480-425324/11	N1652.D
Level 6	ICIS 480-425324/12	N1653.D
Level 7	IC 480-425324/13	N1654.D
Level 8	IC 480-425324/14	N1655.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	++++ 1.5133	1.0707 1.4961	1.4894 1.5590	1.6419	1.7207	Ave		1.4987			0.1000	13.8		20.0			
Chloromethane	3.3835 3.1274	3.1747 3.0214	3.6239 3.0195	3.1567	3.3295	Ave		3.2296			0.1000	6.4		20.0			
Vinyl chloride	++++ 2.1757	1.9523 2.0883	2.2901 2.1255	2.3496	2.3245	Ave		2.1866			0.1000	6.6		20.0			
Butadiene	++++ 2.6724	2.2699 2.5445	2.8299 2.6106	2.7973	2.8601	Ave		2.6550				7.8		20.0			
Bromomethane	++++ 1.0672	1.0130 1.0241	1.3380 1.0460	1.1200	1.1273	Ave		1.1051			0.1000	10.1		20.0			
Chloroethane	1.2955 1.1334	1.2246 1.1381	1.5105 1.1205	1.3003	1.2419	Ave		1.2456			0.1000	10.3		20.0			
Dichlorofluoromethane	++++ 2.4671	2.6957 2.3184	2.9721 2.4132	2.6248	2.7457	Ave		2.6053				8.6		20.0			
Trichlorofluoromethane	++++ 1.9160	1.7385 1.8255	2.3809 1.9863	2.1611	2.2600	Ave		2.0383			0.1000	11.6		20.0			
Ethyl ether	2.0147 1.8662	1.9657 1.8088	2.0731 1.8343	2.0241	2.0316	Ave		1.9523				5.2		20.0			
Acrolein	++++ 0.3407	0.3638 0.3353	0.4362 0.3339	0.3482	0.3774	Ave		0.3622				10.0		20.0			
1,1-Dichloroethene	++++ 1.2743	0.9410 1.2177	1.4819 1.2548	1.3190	1.3155	Ave		1.2577			0.1000	13.0		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 1.1656	0.7051 1.2007	1.2989 1.2369	1.2787	1.3269	Lin1	-0.211	1.2295			0.1000				0.9980		0.9900
Acetone	++++ 0.7023	0.7142 0.6727	0.7424 0.7048	0.6817	0.7618	Ave		0.7114			0.1000	4.5		20.0			
Iodomethane	++++ 2.2564	2.0779 2.2706	2.7052 2.2457	2.4111	2.4842	Ave		2.3502				8.6		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 425324
SDG No.: _____
Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/19/2018 15:25 Calibration End Date: 07/19/2018 18:36 Calibration ID: 34380

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	++++ 3.9221	2.9338 4.0723	3.7472 4.1335	3.7499	4.0956	Ave		3.8078			0.1000	10.9		20.0			
Allyl chloride	++++ 3.7396	3.3375 3.7802	3.9391 3.8867	3.8619	3.8947	Ave		3.7771				5.4		20.0			
Methyl acetate	2.5711 2.3871	2.9546 2.3515	2.5118 2.2175	2.3619	2.4649	Ave		2.4776			0.1000	8.9		20.0			
Methylene Chloride	++++ 1.4970	1.9093 1.4410	2.0808 1.4401	1.7813	1.6430	Ave		1.6846			0.1000	14.8		20.0			
2-Methyl-2-propanol	0.1011 0.1385	0.1178 0.1235	0.1311 0.1374	0.1034	0.1293	Ave		0.1228				11.7		20.0			
Methyl tert-butyl ether	4.2584 4.5000	3.8392 4.6350	5.1273 4.5668	4.4992	4.8132	Ave		4.5299			0.1000	8.4		20.0			
trans-1,2-Dichloroethene	++++ 1.5144	1.3553 1.4295	1.7350 1.4775	1.5504	1.5569	Ave		1.5170			0.1000	7.9		20.0			
Acrylonitrile	1.0819 1.0350	1.1581 1.1189	1.2158 1.0384	1.0357	1.0720	Ave		1.0945				6.0		20.0			
Hexane	++++ 3.2152	2.4593 3.0525	3.4234 3.2013	3.2718	3.5420	Ave		3.1665				11.1		20.0			
1,1-Dichloroethane	2.7924 3.0598	2.8518 3.0991	3.6740 3.0846	3.3224	3.3660	Ave		3.1563			0.2000	9.1		20.0			
Vinyl acetate	3.8971 5.3820	3.9283 5.3215	5.2024 5.6919	4.7185	5.1528	Ave		4.9118				13.7		20.0			
2,2-Dichloropropane	++++ 1.6190	1.5608 1.7269	1.9632 1.7140	1.7969	1.8561	Ave		1.7481				7.9		20.0			
cis-1,2-Dichloroethene	++++ 1.6694	1.6383 1.6665	1.8945 1.6518	1.8207	1.7915	Ave		1.7332			0.1000	5.8		20.0			
2-Butanone (MEK)	++++ 1.3771	1.2822 1.3554	1.4081 1.2964	1.2867	1.3562	Ave		1.3374			0.1000	3.7		20.0			
Chlorobromomethane	++++ 0.8071	0.7082 0.8030	0.9280 0.8029	0.8675	0.8004	Ave		0.8167				8.3		20.0			
Tetrahydrofuran	0.9203 0.9139	0.8442 0.9550	1.0150 0.9003	0.9580	0.9348	Ave		0.9302				5.3		20.0			
Chloroform	2.6768 2.5761	2.7126 2.4783	3.1837 2.5451	2.6978	2.7960	Ave		2.7083			0.2000	8.0		20.0			
1,1,1-Trichloroethane	1.6839 2.1030	1.6759 2.0188	2.2862 2.1141	2.2232	2.1970	Ave		2.0378			0.1000	11.6		20.0			
Cyclohexane	++++ 3.4026	2.2725 3.4171	3.7189 3.6139	3.2811	3.6285	Lin1	-0.816	3.5514			0.1000				0.9990		0.9900
Carbon tetrachloride	++++ 1.7915	1.6170 1.7763	2.1633 1.8843	1.8970	1.9216	Ave		1.8644			0.1000	9.0		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 425324
SDG No.: _____
Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/19/2018 15:25 Calibration End Date: 07/19/2018 18:36 Calibration ID: 34380

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	++++ 1.9899	1.5685 1.9033	2.3291 1.9860	2.0542	2.0193	Ave		1.9786				11.4		20.0			
Isobutyl alcohol	0.1111 0.1175	0.0952 0.1200	0.1195 0.1278	0.1118	0.1166	Ave		0.1149				8.3		20.0			
Benzene	++++ 5.9309	5.4401 5.6785	6.5852 5.8950	6.2703	6.1396	Ave		5.9914			0.5000	6.3		20.0			
1,2-Dichloroethane	2.6662 2.5672	3.0013 2.4680	3.0573 2.4867	2.8172	2.7078	Ave		2.7215			0.1000	8.2		20.0			
n-Heptane	++++ 3.9355	2.9976 3.7136	4.0940 3.9120	4.2116	4.2618	Ave		3.8752				11.1		20.0			
Trichloroethene	1.2340 1.5543	1.2820 1.4863	1.7424 1.5237	1.5581	1.5610	Ave		1.4927			0.2000	11.0		20.0			
Methylcyclohexane	++++ 2.6420	1.8357 2.6298	2.8293 2.6770	2.7217	3.0028	Ave		2.6198			0.1000	14.1		20.0			
1,2-Dichloropropane	1.7709 1.7070	1.6295 1.6953	2.0465 1.7384	1.8575	1.8208	Ave		1.7832			0.1000	7.2		20.0			
Dibromomethane	++++ 0.9327	0.9016 0.9047	1.1297 0.9358	0.9545	0.9552	Ave		0.9592			0.1000	8.1		20.0			
1,4-Dioxane	++++ 0.0041	++++ 0.0044	0.0030 0.0044	0.0037	0.0046	Ave		0.0040				14.5		20.0			
Bromodichloromethane	1.9806 1.9264	1.4738 1.8482	1.9949 1.9405	1.8303	1.8697	Ave		1.8581			0.2000	9.0		20.0			
2-Chloroethyl vinyl ether	++++ 1.2400	0.9576 1.1735	1.2942 1.2958	1.0607	1.2574	Ave		1.1827				10.9		20.0			
cis-1,3-Dichloropropene	1.7111 2.1785	1.6233 2.1506	2.1204 2.3059	2.0035	2.1600	Ave		2.0317			0.2000	11.8		20.0			
4-Methyl-2-pentanone (MIBK)	0.2422 0.2727	0.1932 0.2661	0.2607 0.2757	0.2573	0.2607	Ave		0.2536			0.1000	10.4		20.0			
Toluene	0.7629 0.9833	0.7902 0.9707	1.0666 1.0048	1.0118	1.0352	Ave		0.9532			0.4000	11.9		20.0			
trans-1,3-Dichloropropene	0.3875 0.5305	0.4188 0.5457	0.4623 0.5854	0.5083	0.4977	Ave		0.4920			0.1000	13.4		20.0			
Ethyl methacrylate	0.3189 0.5005	0.4147 0.4991	0.4406 0.5347	0.4641	0.4625	Ave		0.4544				14.6		20.0			
1,1,2-Trichloroethane	0.2957 0.3025	0.3167 0.3008	0.3160 0.3050	0.3127	0.3039	Ave		0.3067			0.1000	2.5		20.0			
Tetrachloroethene	0.3689 0.4507	0.3350 0.4303	0.4742 0.4490	0.4511	0.4861	Ave		0.4307			0.2000	12.1		20.0			
1,3-Dichloropropane	0.5348 0.6200	0.5080 0.5819	0.6660 0.6125	0.6308	0.6151	Ave		0.5961				8.7		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 425324
SDG No.: _____
Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/19/2018 15:25 Calibration End Date: 07/19/2018 18:36 Calibration ID: 34380

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	0.3887 0.5670	0.4296 0.5349	0.5185 0.5619	0.5139	0.5476	Ave		0.5078			0.1000	12.7		20.0			
Dibromochloromethane	0.2833 0.3888	0.3029 0.3919	0.3446 0.4103	0.3637	0.3671	Ave		0.3566			0.1000	12.4		20.0			
1,2-Dibromoethane	0.4356 0.3863	0.3360 0.3740	0.3802 0.3980	0.3825	0.4020	Ave		0.3868				7.3		20.0			
Chlorobenzene	1.0240 1.1420	0.9796 1.1091	1.2340 1.1498	1.1982	1.1570	Ave		1.1242			0.5000	7.6		20.0			
1,1,1,2-Tetrachloroethane	0.3409 0.3973	0.3219 0.3992	0.4061 0.4045	0.3638	0.4083	Ave		0.3803				8.8		20.0			
Ethylbenzene	1.2933 1.8175	1.5735 1.7938	1.8920 1.8251	1.8112	1.8611	Ave		1.7334			0.1000	11.7		20.0			
m,p-Xylene	0.5351 0.7552	0.5675 0.7260	0.7357 0.7410	0.7166	0.7207	Ave		0.6872			0.1000	12.4		20.0			
o-Xylene	0.5070 0.7229	0.6065 0.7240	0.6994 0.7213	0.7356	0.7120	Ave		0.6786			0.3000	11.9		20.0			
Styrene	0.8529 1.2317	0.9666 1.1988	1.1369 1.2098	1.1514	1.1856	Ave		1.1167			0.3000	12.1		20.0			
Bromoform	++++ 0.2529	0.1808 0.2720	0.2455 0.2891	0.2284	0.2422	Ave		0.2444			0.1000	14.1		20.0			
Isopropylbenzene	3.0183 3.5000	2.4020 3.3199	3.2264 3.4854	3.2441	3.3932	Ave		3.1987			0.1000	11.2		20.0			
Bromobenzene	0.9675 0.9267	0.7360 0.8882	1.0361 0.9595	0.8703	0.9165	Ave		0.9126				9.6		20.0			
1,1,2,2-Tetrachloroethane	++++ 0.9618	0.8737 0.9355	0.9957 1.0140	0.9348	0.9770	Ave		0.9561			0.3000	4.9		20.0			
1,2,3-Trichloropropane	++++ 0.3183	0.3369 0.3061	0.2823 0.3166	0.2987	0.3069	Ave		0.3094				5.5		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.3636	0.1002 0.3600	0.2426 ++++	0.2834	0.2947	Lin1	-0.287	0.3630							0.9980		0.9900
N-Propylbenzene	3.0101 3.9651	3.0532 3.8152	4.0374 3.9343	3.7212	3.8754	Ave		3.6765				11.1		20.0			
2-Chlorotoluene	0.8748 0.8328	0.7089 0.8113	0.9362 0.8344	0.8714	0.8522	Ave		0.8402				7.8		20.0			
1,3,5-Trimethylbenzene	++++ 2.8178	2.0499 2.7278	2.7115 2.7393	2.5475	2.7327	Ave		2.6180				10.1		20.0			
4-Chlorotoluene	2.1981 2.7142	2.2236 2.5156	2.8865 2.6931	2.5711	2.6383	Ave		2.5551				9.4		20.0			
tert-Butylbenzene	0.4700 0.6941	0.4838 0.6548	0.6289 0.6497	0.5849	0.6667	Ave		0.6041				14.0		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 425324
SDG No.: _____
Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/19/2018 15:25 Calibration End Date: 07/19/2018 18:36 Calibration ID: 34380

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	2.1163 2.9863	2.2712 2.7779	2.8758 2.8291	2.7147	2.8276	Ave		2.6749				11.6		20.0			
sec-Butylbenzene	++++ 3.8009	2.6438 3.4941	3.7554 3.5204	3.6239	3.6604	Ave		3.4999				11.3		20.0			
1,3-Dichlorobenzene	1.4947 1.6946	1.5334 1.5982	1.7857 1.6757	1.6814	1.6625	Ave		1.6408			0.6000	5.7		20.0			
4-Isopropyltoluene	++++ 3.4662	2.2287 3.2071	3.3252 3.2386	3.1308	3.3103	Ave		3.1295				13.1		20.0			
1,4-Dichlorobenzene	++++ 1.7577	1.4839 1.6430	1.8673 1.7316	1.6907	1.7461	Ave		1.7029			0.5000	7.0		20.0			
n-Butylbenzene	++++ 2.8566	2.0687 2.6104	2.8856 2.6810	2.6926	2.7509	Ave		2.6494				10.3		20.0			
1,2-Dichlorobenzene	1.4399 1.6366	1.4955 1.5612	1.6064 1.6338	1.6130	1.6463	Ave		1.5791			0.4000	4.8		20.0			
1,2-Dibromo-3-Chloropropane	0.1332 0.1545	0.1393 0.1636	0.1678 0.1838	0.1306	0.1355	Ave		0.1510			0.0500	12.9		20.0			
1,2,4-Trichlorobenzene	++++ 1.1437	0.9374 1.0575	1.0860 1.2655	1.0305	1.1818	Ave		1.1003			0.2000	9.8		20.0			
Hexachlorobutadiene	0.4214 0.5743	0.3952 0.5021	0.6530 0.5854	0.5821	0.6304	Ave		0.5430				17.4		20.0			
Naphthalene	++++ 3.0528	2.1512 3.1069	2.7248 3.6410	2.5984	2.8024	Ave		2.8682				16.2		20.0			
1,2,3-Trichlorobenzene	++++ 1.0429	0.7672 0.9821	0.8974 1.2235	0.9474	1.1044	Ave		0.9950				14.8		20.0			
Dibromofluoromethane (Surr)	1.3092 1.2584	1.2733 1.2607	1.3056 1.2174	1.2667	1.3148	Ave		1.2758				2.6		20.0			
1,2-Dichloroethane-d4 (Surr)	1.7460 1.6048	1.7322 1.6166	1.7615 1.6342	1.7105	1.7458	Ave		1.6940				3.8		20.0			
Toluene-d8 (Surr)	1.2926 1.3212	1.3495 1.3358	1.3445 1.2970	1.3272	1.3620	Ave		1.3287				1.8		20.0			
4-Bromofluorobenzene (Surr)	0.4319 0.4536	0.4536 0.4557	0.4491 0.4261	0.4472	0.4614	Ave		0.4473				2.7		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 425324

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2018 15:25 Calibration End Date: 07/19/2018 18:36 Calibration ID: 34380

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-425324/7	N1648.D
Level 2	IC 480-425324/8	N1649.D
Level 3	IC 480-425324/9	N1650.D
Level 4	IC 480-425324/10	N1651.D
Level 5	IC 480-425324/11	N1652.D
Level 6	ICIS 480-425324/12	N1653.D
Level 7	IC 480-425324/13	N1654.D
Level 8	IC 480-425324/14	N1655.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	++++ 310842	8408 612332	22303 1299764	64225	131267	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	13296 642386	24930 1236623	54265 2517368	123481	253990	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	++++ 446891	15331 854697	34292 1772029	91910	177326	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	++++ 548925	17825 1041437	42376 2176427	109424	218183	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	++++ 219212	7955 419133	20036 872025	43811	85995	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	5091 232813	9616 465810	22618 934190	50865	94738	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	++++ 506758	21168 948897	44505 2011856	102676	209458	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	++++ 393551	13652 747142	35652 1655978	84536	172407	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	7917 383318	15436 740303	31043 1529286	79177	154983	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	++++ 349869	14285 686251	32659 1391669	68095	143967	++++ 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	++++ 261737	7389 498369	22190 1046151	51596	100355	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Lin1	++++ 239416	5537 491417	19450 1031188	50019	101227	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	++++ 721316	28043 1376674	55585 2937853	133329	290577	++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	++++ 463466	16317 929338	40508 1872251	94317	189505	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	++++ 805602	23038 1666717	56111 3446155	146684	312437	++++ 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.: 480-138781-1 Analy Batch No.: 425324

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2018 15:25 Calibration End Date: 07/19/2018 18:36 Calibration ID: 34380

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	++++ 768127	26208 1547196	58985 3240324	151067	297111	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	20207 980625	46403 1924891	75224 3697516	184785	376078	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Ave	++++ 307490	14993 589791	31158 1200606	69678	125338	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	3971 284524	9254 505363	19637 1145767	40440	98665	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	16734 924317	30148 1897056	76778 3807324	175997	367180	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	++++ 311063	10643 585055	25981 1231836	60649	118770	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	42513 2125970	90939 4579423	182051 8657501	405146	817782	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	++++ 660402	19312 1249344	51263 2668962	127983	270205	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	10973 628489	22394 1268418	55016 2571650	129962	256779	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	30628 2210968	61694 4356043	155805 9490720	369148	786174	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	++++ 332548	12256 706793	29397 1428991	70289	141595	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	++++ 342905	12865 682076	28369 1377073	71221	136665	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	++++ 1414341	50342 2773743	105426 5404208	251653	517277	++++ 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	++++ 165778	5561 328651	13896 669416	33935	61060	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	7233 375436	13259 781732	30398 1501113	74945	142623	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	10519 529131	21301 1014339	47673 2121858	105531	213297	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	6617 431960	13160 826282	34234 1762494	86966	167602	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Lin1	++++ 698910	17845 1398584	55687 3012892	128346	276804	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	++++ 367987	12698 726998	32394 1570912	74204	146593	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	++++ 408724	12317 778974	34877 1655748	80356	154043	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	10915 603552	18680 1228312	44730 2664026	109319	222370	12.5 625	25.0 1250	50.0 2500	125	250

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 425324

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2018 15:25 Calibration End Date: 07/19/2018 18:36 Calibration ID: 34380

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	++++ 1218231	42719 2324130	98609 4914701	245275	468366	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	10477 527303	23568 1010131	45781 2073146	110200	206566	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	++++ 808372	23539 1519936	61305 3261423	164746	325115	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	4849 319252	10067 608307	26091 1270291	60948	119084	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	++++ 542683	14415 1076354	42367 2231852	106467	229068	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	6959 350620	12796 693858	30645 1449334	72660	138904	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	++++ 191583	7080 370293	16916 780200	37338	72868	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	++++ 61570	++++ 128413	3378 265068	10692	25969	++++ 500	++++ 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	7783 395683	11573 756451	29872 1617841	71595	142634	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	++++ 254691	7520 480317	19379 1080277	41491	95919	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	6724 447465	12747 880201	31751 1922454	78372	164777	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	17682 1030253	27009 1951592	72808 4182500	187189	368657	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	11138 742935	22097 1423764	59572 3048658	147230	292817	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	5658 400791	11710 800421	25818 1776139	73960	140781	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	4656 378133	11595 732086	24611 1622238	67530	130831	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	4317 228531	8857 441174	17649 925421	45506	85952	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	5386 340520	9368 631237	26483 1362394	65644	137495	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	7808 468473	14204 853490	37195 1858206	91788	173997	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	28377 2142098	60059 3922877	144788 8524788	373931	774423	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	4136 293798	8470 574807	19246 1244785	52923	103833	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	6360 291855	9395 548580	21234 1207533	55658	113704	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 425324

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2018 15:25 Calibration End Date: 07/19/2018 18:36 Calibration ID: 34380

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	14951 862853	27391 1626793	68921 3488480	174360	327258	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	4977 300204	9002 585567	22683 1227282	52943	115488	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	18883 1373268	43999 2631225	105670 5537534	263554	526426	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	7813 570608	15868 1064958	41091 2248097	104281	203846	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	7403 546198	16960 1061900	39064 2188549	107045	201384	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	12452 930600	27029 1758447	63498 3670544	167551	335354	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	++++ 191067	5056 398952	13711 877068	33238	68507	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	22954 1424619	37444 2708581	97131 5355174	263863	539282	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	7358 377186	11473 724624	31193 1474307	70783	145667	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	++++ 391501	13619 763231	29975 1557964	76036	155276	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	++++ 129574	5251 249716	8498 486464	24294	48773	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Lin1	++++ 148004	1562 293732	7304 ++++	23048	46833	++++ 25.0	1.00 50.0	2.00 ++++	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	22891 1613912	47594 3112695	121546 6045000	302669	615924	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	6653 338958	11050 661888	28183 1282014	70872	135434	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	++++ 1146931	31955 2225490	81629 4208884	207198	434307	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	16716 1104759	34663 2052428	86898 4137856	209124	419309	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	3574 282505	7542 534252	18934 998286	47576	105959	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	16094 1215523	35404 2266399	86575 4346829	220801	449400	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	++++ 1547104	41213 2850725	113057 5409053	294751	581756	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	11367 689769	23903 1303908	53760 2574635	136760	264228	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	++++ 1410866	34741 2616547	100105 4976096	254641	526107	++++ 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.: 480-138781-1 Analy Batch No.: 425324

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2018 15:25 Calibration End Date: 07/19/2018 18:36 Calibration ID: 34380

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	++++ 715464	23131 1340463	56214 2660500	137515	277508	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	++++ 1162743	32247 2129787	86871 4119352	219005	437199	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	10950 666148	23313 1273727	48362 2510269	131195	261651	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1013 62873	2171 133481	5051 282382	10622	21541	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	++++ 465524	14612 862789	32695 1944364	83813	187824	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	3205 233758	6161 409679	19660 899479	47342	100187	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	++++ 1242589	33534 2534856	82030 5594374	211339	445395	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	++++ 424504	11959 801293	27017 1879881	77054	175529	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	257240 258480	249974 257996	244380 253737	247753	250754	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	343056 329638	340058 330828	329719 340614	334556	332957	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	943625 998221	943351 979709	938672 983764	965667	963142	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	315273 342720	317088 334205	313570 323230	325360	326316	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\HP5973N\20180719-73222.b\N1648.D
 Lims ID: IC 0.5
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 19-Jul-2018 15:25:30 ALS Bottle#: 41 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.5
 Misc. Info.: 480-0073222-007
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 20-Jul-2018 13:44:39 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: HillL

Date: 19-Jul-2018 21:52:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.357	0.001	98	196481	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.338	0.001	90	730017	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.741	0.001	95	380242	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.768	4.767	0.001	93	257240	25.0	25.7	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	343056	25.0	25.8	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	96	943625	25.0	24.3	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	93	315273	25.0	24.1	
11 Dichlorodifluoromethane	85	1.300	1.294	0.006	28	3726	0.5000	0.3163	
13 Chloromethane	50	1.464	1.476	-0.012	57	13296	0.5000	0.5238	
14 Vinyl chloride	62	1.549	1.549	0.000	32	7163	0.5000	0.4168	
144 Butadiene	54	1.568	1.574	-0.006	73	7346	0.5000	0.3521	M
15 Bromomethane	94	1.854	1.847	0.007	39	3547	0.5000	0.4084	M
16 Chloroethane	64	1.939	1.945	-0.006	1	5091	0.5000	0.5200	
17 Dichlorofluoromethane	67	2.146	2.139	0.007	41	9387	0.5000	0.4584	
18 Trichlorofluoromethane	101	2.139	2.151	-0.012	15	5328	0.5000	0.3326	
19 Ethyl ether	59	2.438	2.431	0.007	90	7917	0.5000	0.5160	
20 Acrolein	56	2.590	2.583	0.007	74	8832	2.50	3.10	
21 1,1,2-Trichloro-1,2,2-trif	101		2.638				ND	ND	
22 1,1-Dichloroethene	96	2.632	2.638	-0.006	52	3528	0.5000	0.3569	
23 Acetone	43	2.736	2.735	0.001	82	17564	2.50	3.14	
24 Iodomethane	142	2.778	2.784	-0.006	69	7089	0.5000	0.3838	
25 Carbon disulfide	76	2.827	2.833	-0.006	96	7807	0.5000	0.2609	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	83	9913	0.5000	0.3339	
28 Methyl acetate	43	3.034	3.034	0.000	67	20207	1.00	1.04	a
30 Methylene Chloride	84	3.119	3.125	-0.006	91	10623	0.5000	0.8023	
31 2-Methyl-2-propanol	59	3.295	3.289	0.006	71	3971	5.00	4.12	M
32 Methyl tert-butyl ether	73	3.362	3.356	0.006	81	16734	0.5000	0.4700	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	76	4925	0.5000	0.4131	
34 Acrylonitrile	53	3.387	3.386	0.001	92	42513	5.00	4.94	M
35 Hexane	57	3.581	3.581	0.000	91	7665	0.5000	0.3080	

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	3.758	3.764	-0.006	93	10973	0.5000	0.4424	M
39 Vinyl acetate	43	3.825	3.818	0.007	96	30628	1.00	0.7934	
42 2,2-Dichloropropane	77	4.287	4.281	0.006	69	4787	0.5000	0.3484	
43 cis-1,2-Dichloroethene	96	4.317	4.305	0.012	85	4573	0.5000	0.3357	M
44 2-Butanone (MEK)	43	4.348	4.335	0.013	96	21316	2.50	2.03	
47 Chlorobromomethane	128	4.536	4.536	0.000	49	2685	0.5000	0.4183	
49 Tetrahydrofuran	42	4.585	4.567	0.018	76	7233	1.00	0.9894	
50 Chloroform	83	4.616	4.615	0.001	96	10519	0.5000	0.4942	
51 1,1,1-Trichloroethane	97	4.749	4.743	0.006	1	6617	0.5000	0.4132	
52 Cyclohexane	56	4.762	4.767	-0.005	32	7921	0.5000	0.5135	
53 Carbon tetrachloride	117	4.883	4.889	-0.006	68	4460	0.5000	0.3044	M
54 1,1-Dichloropropene	75	4.901	4.895	0.006	79	5238	0.5000	0.3368	M
56 Isobutyl alcohol	43	5.096	5.090	0.006	41	10915	12.5	12.1	
55 Benzene	78	5.090	5.090	0.000	91	19452	0.5000	0.4131	
57 1,2-Dichloroethane	62	5.145	5.139	0.007	90	10477	0.5000	0.4898	a
59 n-Heptane	43	5.309	5.303	0.006	73	9198	0.5000	0.3020	Ma
60 Trichloroethene	95	5.704	5.698	0.006	86	4849	0.5000	0.4133	
62 Methylcyclohexane	83	5.850	5.838	0.012	90	5166	0.5000	0.2509	M
63 1,2-Dichloropropane	63	5.923	5.929	-0.006	83	6959	0.5000	0.4965	
64 Dibromomethane	93	6.057	6.057	0.000	58	2791	0.5000	0.3702	M
66 1,4-Dioxane	88		6.069				ND	ND	
67 Dichlorobromomethane	83	6.215	6.209	0.006	93	7783	0.5000	0.5330	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	16	3194	0.5000	0.3436	M
71 cis-1,3-Dichloropropene	75	6.629	6.629	0.000	23	6724	0.5000	0.4211	
72 4-Methyl-2-pentanone (MIBK)	58	6.781	6.775	0.006	97	17682	2.50	2.39	
73 Toluene	92	6.927	6.933	-0.006	94	11138	0.5000	0.4002	
75 trans-1,3-Dichloropropene	75	7.195	7.189	0.006	87	5658	0.5000	0.3938	M
77 Ethyl methacrylate	69	7.274	7.256	0.018	82	4656	0.5000	0.3509	M
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	86	4317	0.5000	0.4821	M
79 Tetrachloroethene	166	7.475	7.475	0.000	29	5386	0.5000	0.4283	M
80 1,3-Dichloropropane	76	7.542	7.542	0.000	92	7808	0.5000	0.4486	
82 2-Hexanone	43	7.621	7.615	0.006	98	28377	2.50	1.91	M
83 Chlorodibromomethane	129	7.779	7.773	0.006	84	4136	0.5000	0.3972	
84 Ethylene Dibromide	107	7.876	7.876	0.000	31	6360	0.5000	0.5631	M
85 Chlorobenzene	112	8.369	8.369	0.000	37	14951	0.5000	0.4554	
89 1,1,1,2-Tetrachloroethane	131	8.472	8.466	0.006	50	4977	0.5000	0.4482	
88 Ethylbenzene	91	8.479	8.472	0.007	96	18883	0.5000	0.3731	M
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	7813	0.5000	0.3893	
91 o-Xylene	106	9.032	9.020	0.012	46	7403	0.5000	0.3736	M
92 Styrene	104	9.057	9.044	0.012	82	12452	0.5000	0.3819	
93 Bromoform	173	9.276	9.269	0.007	24	2431	0.5000	0.3406	
95 Isopropylbenzene	105	9.403	9.409	-0.006	93	22954	0.5000	0.4718	
97 Bromobenzene	156	9.744	9.744	0.000	76	7358	0.5000	0.5301	
98 1,1,2,2-Tetrachloroethane	83	9.787	9.780	0.007	22	6054	0.5000	0.4163	
99 1,2,3-Trichloropropane	110	9.823	9.817	0.006	13	1731	0.5000	0.3679	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.829	0.006	39	154	0.5000	0.8183	Ma
100 N-Propylbenzene	91	9.835	9.841	-0.006	98	22891	0.5000	0.4094	
102 2-Chlorotoluene	126	9.945	9.938	0.007	94	6653	0.5000	0.5206	M
104 1,3,5-Trimethylbenzene	105	10.018	10.018	0.000	95	13183	0.5000	0.3311	
105 4-Chlorotoluene	91	10.048	10.048	0.000	93	16716	0.5000	0.4301	
106 tert-Butylbenzene	134	10.334	10.340	-0.006	93	3574	0.5000	0.3890	
108 1,2,4-Trimethylbenzene	105	10.395	10.395	0.000	93	16094	0.5000	0.3956	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.547	10.553	-0.006	94	16717	0.5000	0.3140	
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	89	11367	0.5000	0.4555	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	96	15087	0.5000	0.3170	
113 1,4-Dichlorobenzene	146	10.766	10.760	0.006	81	9656	0.5000	0.3728	
115 n-Butylbenzene	91	11.082	11.082	0.000	95	13459	0.5000	0.3340	
116 1,2-Dichlorobenzene	146	11.119	11.113	0.006	94	10950	0.5000	0.4559	
117 1,2-Dibromo-3-Chloropropan	75	11.843	11.837	0.006	1	1013	0.5000	0.4410	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	89	5814	0.5000	0.3474	
120 Hexachlorobutadiene	225	12.652	12.658	-0.006	86	3205	0.5000	0.3881	
121 Naphthalene	128	12.743	12.737	0.006	94	18435	0.5000	0.4226	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	87	6201	0.5000	0.4098	
S 124 1,2-Dichloroethene, Total	1				0			0.7488	
S 125 Total BTEX	1				0			1.95	
S 126 Xylenes, Total	1				0			0.7629	
S 123 1,3-Dichloropropene, Total	1				0			0.8149	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00129	Amount Added: 0.50	Units: uL	
GAS CORP mix_00291	Amount Added: 0.50	Units: uL	
N_8260_Surr_00336	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00120	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180719-73222.b\\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 0.5

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

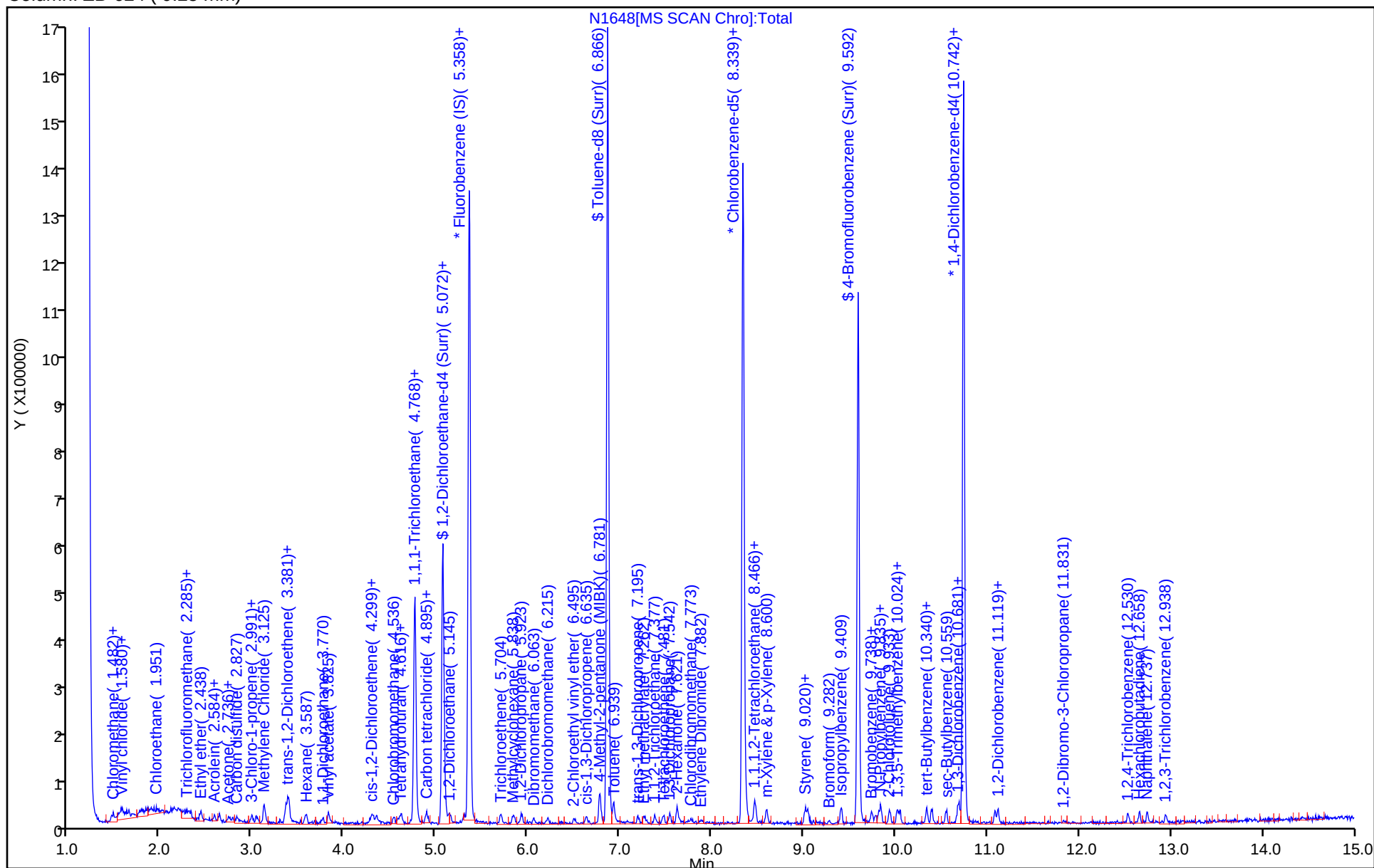
Dil. Factor: 1.0000

ALS Bottle#: 41

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

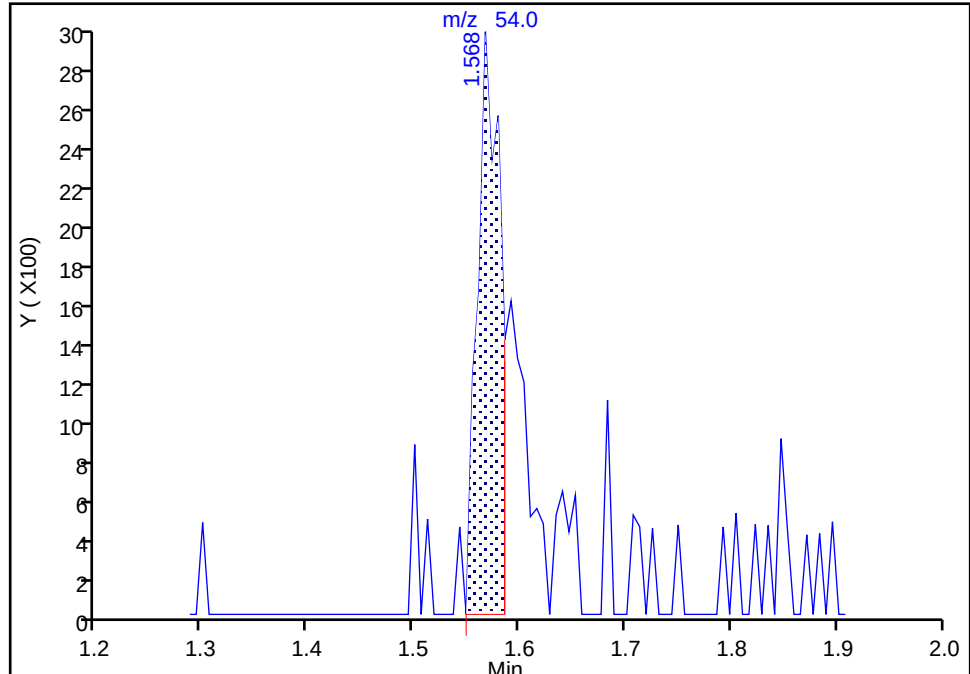
MS SCAN

144 Butadiene, CAS: 106-99-0

Signal: 1

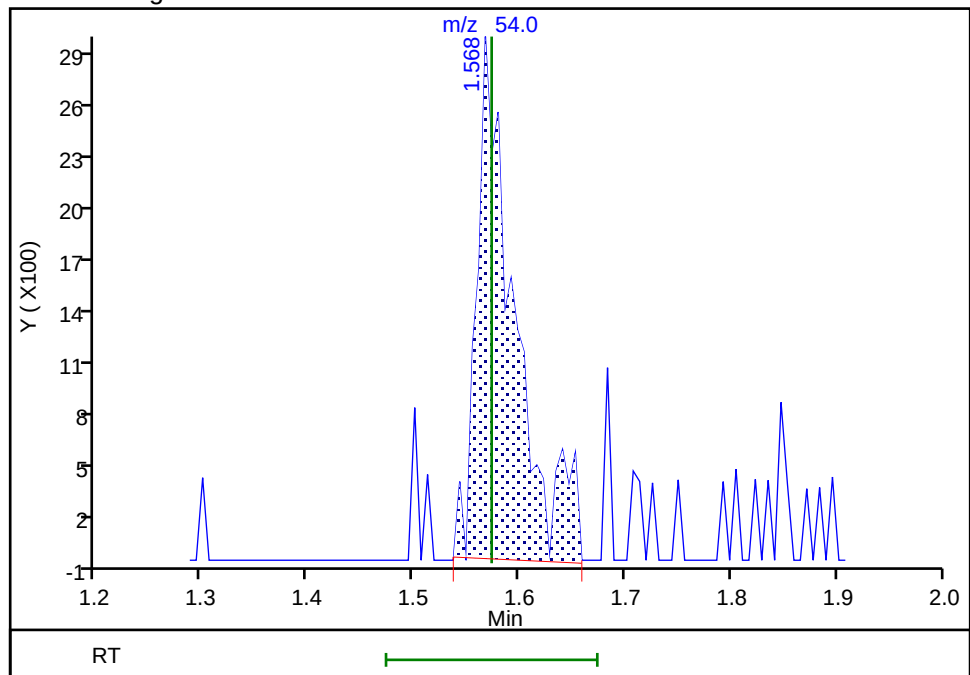
RT: 1.57
Area: 4378
Amount: 0.566551
Amount Units: ug/L

Processing Integration Results



RT: 1.57
Area: 7346
Amount: 0.352055
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:33:20

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

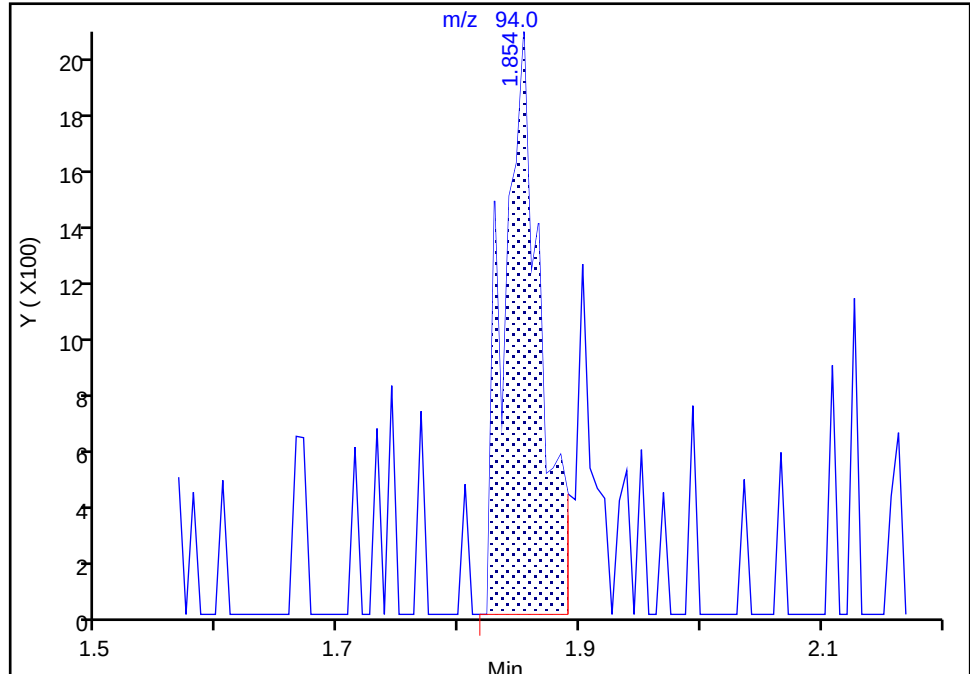
Detector: MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

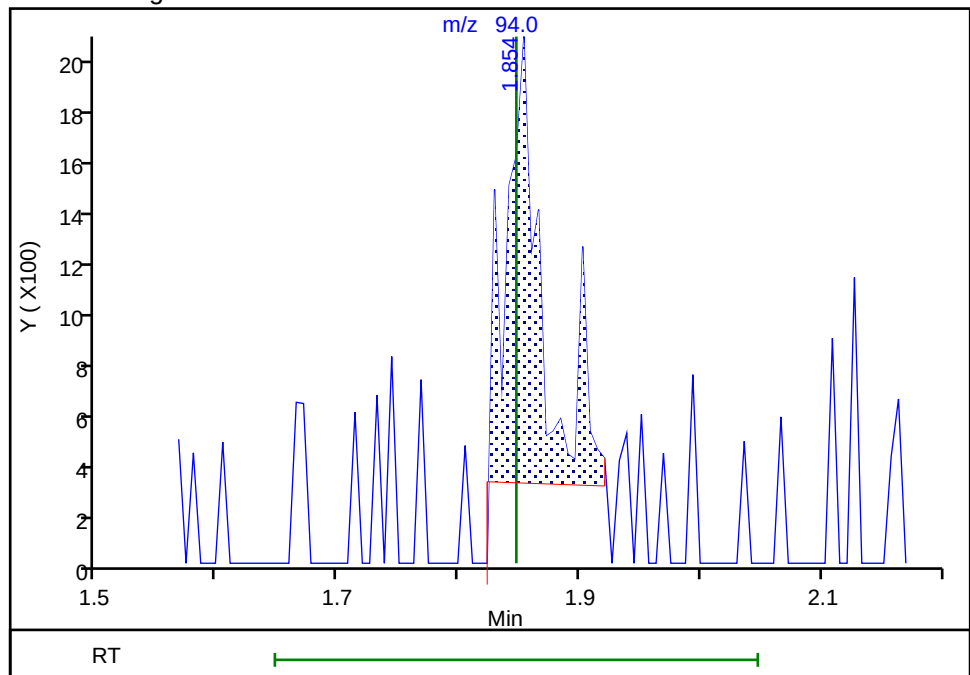
RT: 1.85
Area: 4385
Amount: 0.551201
Amount Units: ug/L

Processing Integration Results



RT: 1.85
Area: 3547
Amount: 0.408399
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:34:22

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

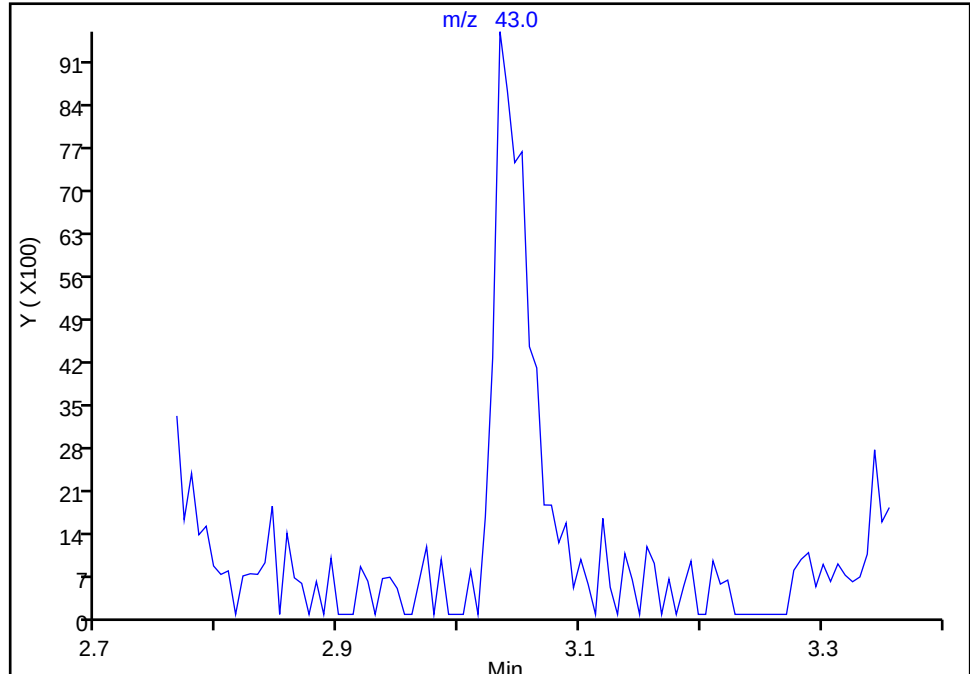
28 Methyl acetate, CAS: 79-20-9

Signal: 1

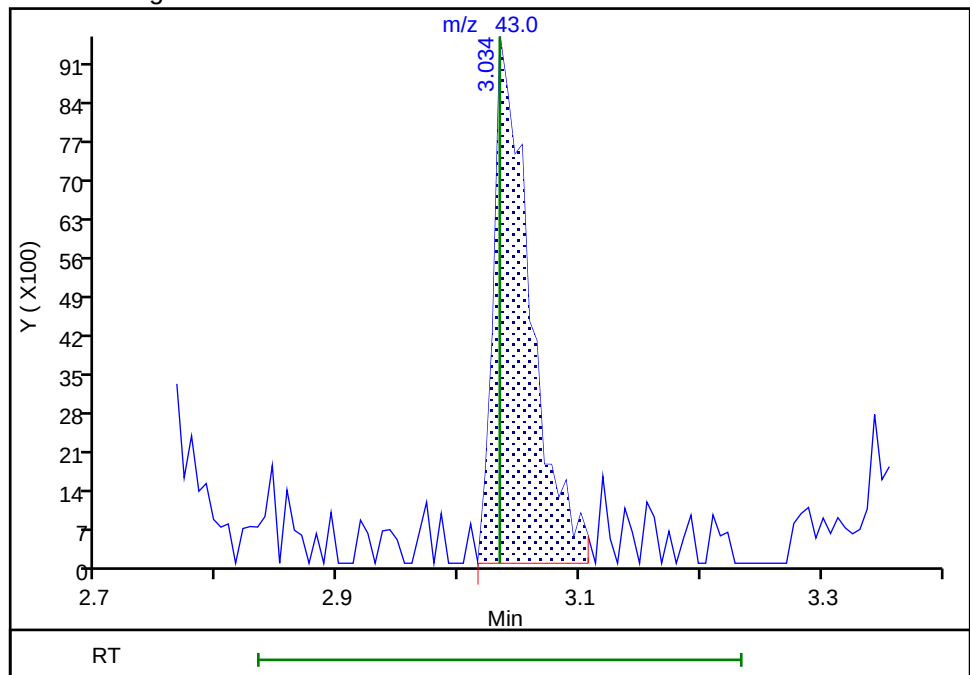
Not Detected

Expected RT: 3.03

Processing Integration Results



Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:35:15

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

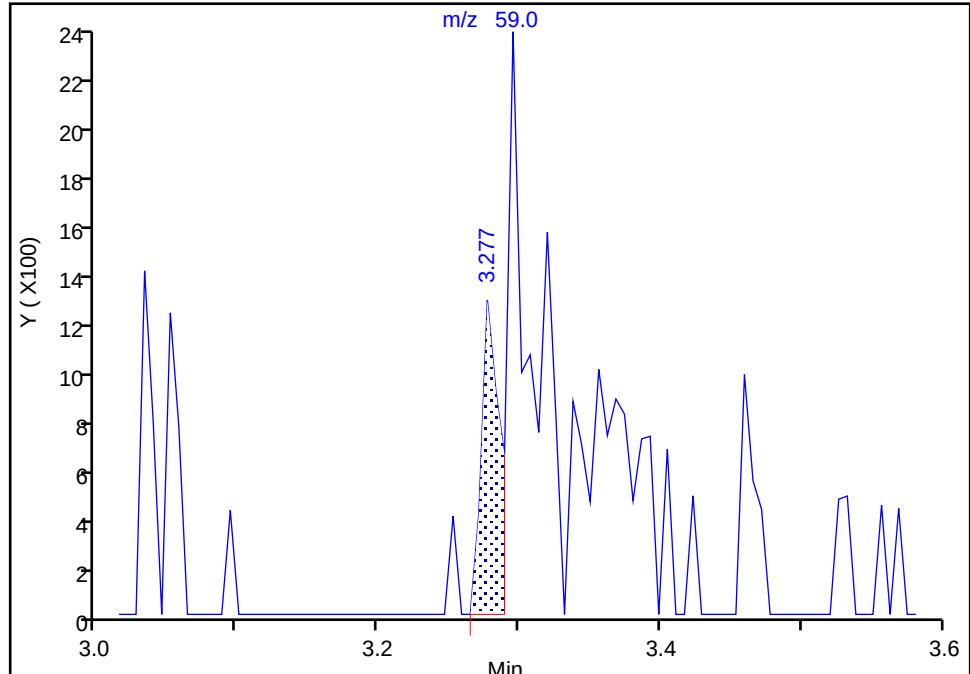
MS SCAN

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

Signal: 1

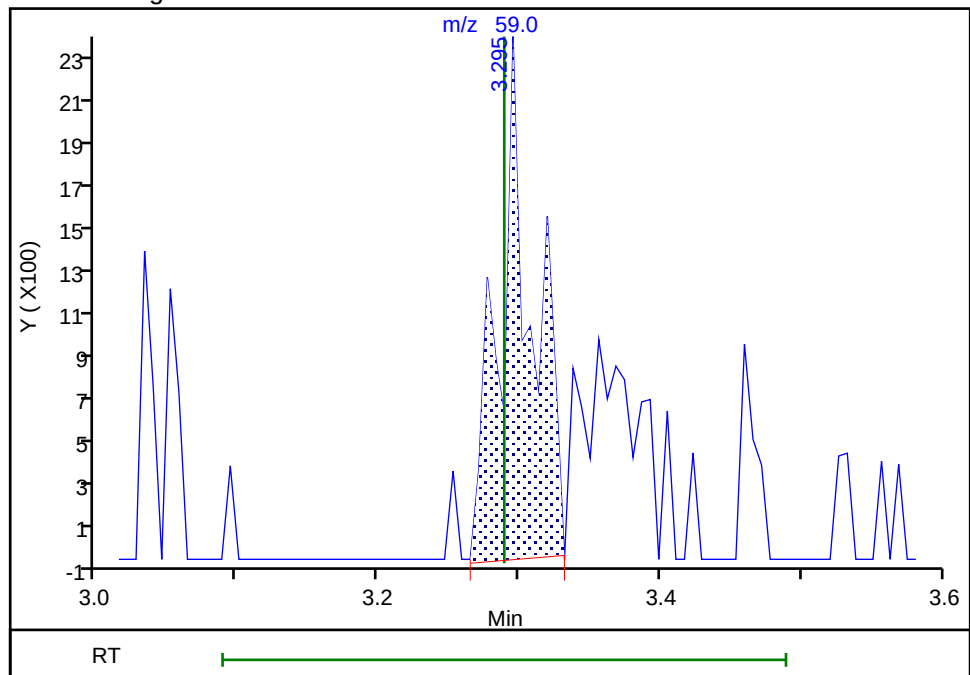
RT: 3.28
Area: 1197
Amount: 1.441205
Amount Units: ug/L

Processing Integration Results



RT: 3.30
Area: 3971
Amount: 4.115455
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:35:39

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

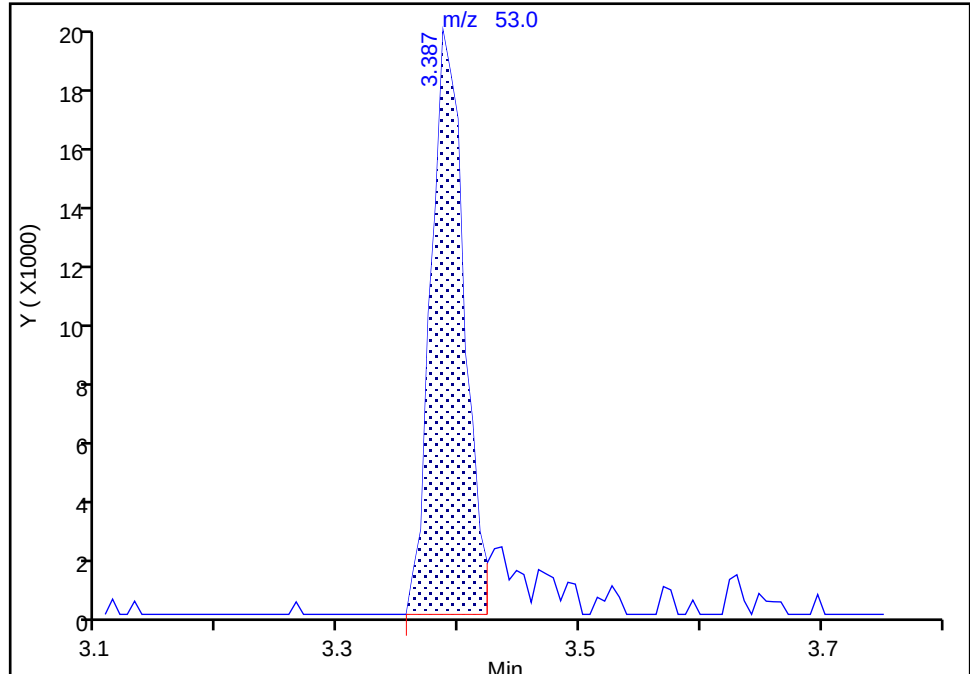
MS SCAN

34 Acrylonitrile, CAS: 107-13-1

Signal: 1

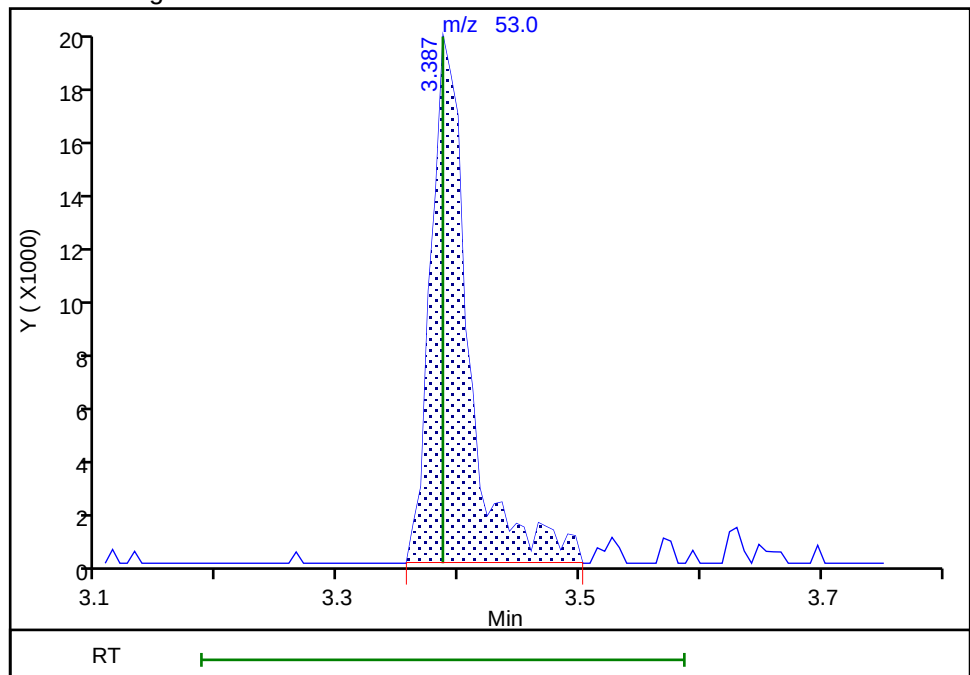
RT: 3.39
Area: 37146
Amount: 4.464727
Amount Units: ug/L

Processing Integration Results



RT: 3.39
Area: 42513
Amount: 4.942392
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:36:21

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

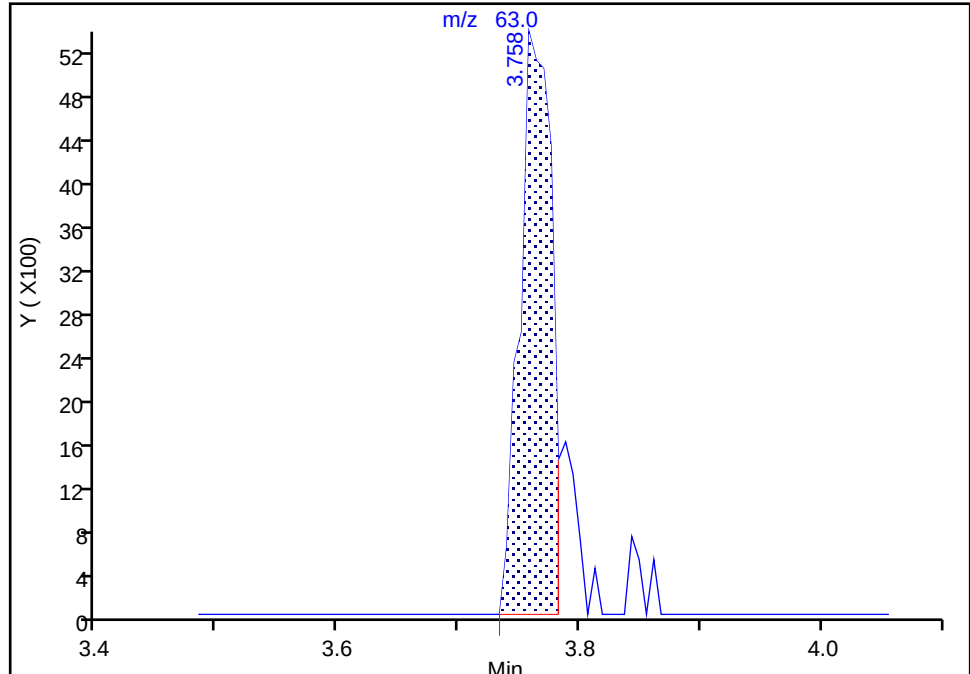
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D
Injection Date: 19-Jul-2018 15:25:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 41 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

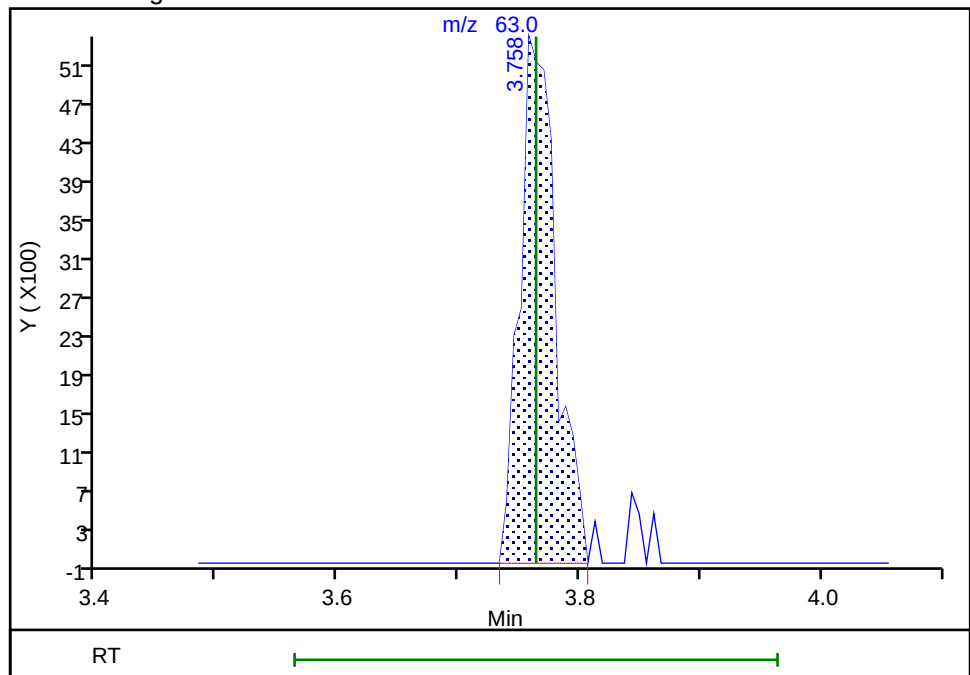
RT: 3.76
Area: 9683
Amount: 0.395494
Amount Units: ug/L

Processing Integration Results



RT: 3.76
Area: 10973
Amount: 0.442356
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:36:39
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

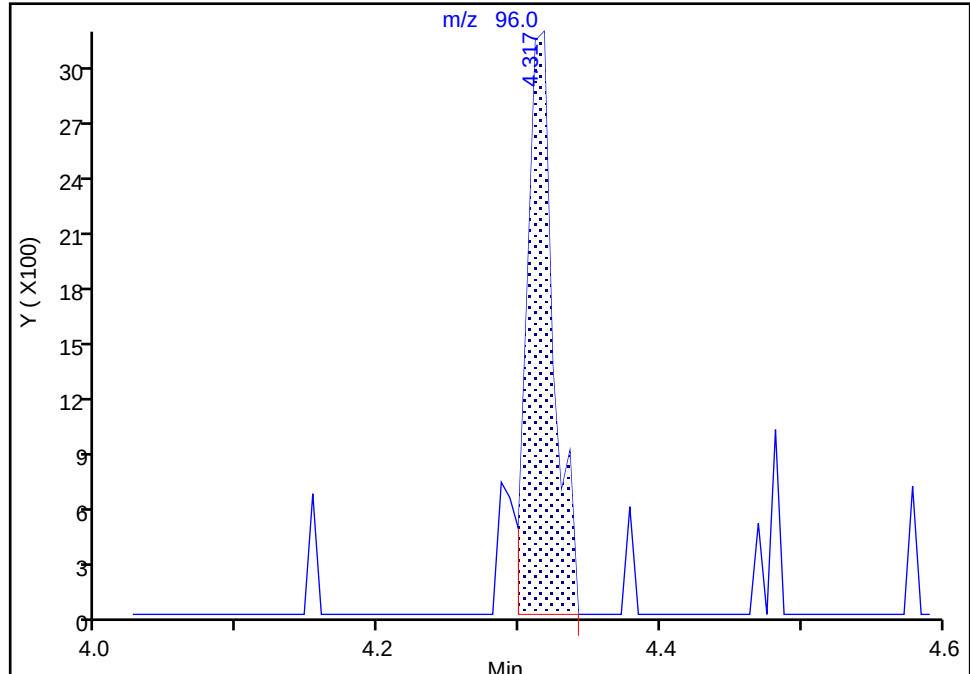
MS SCAN

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

Signal: 1

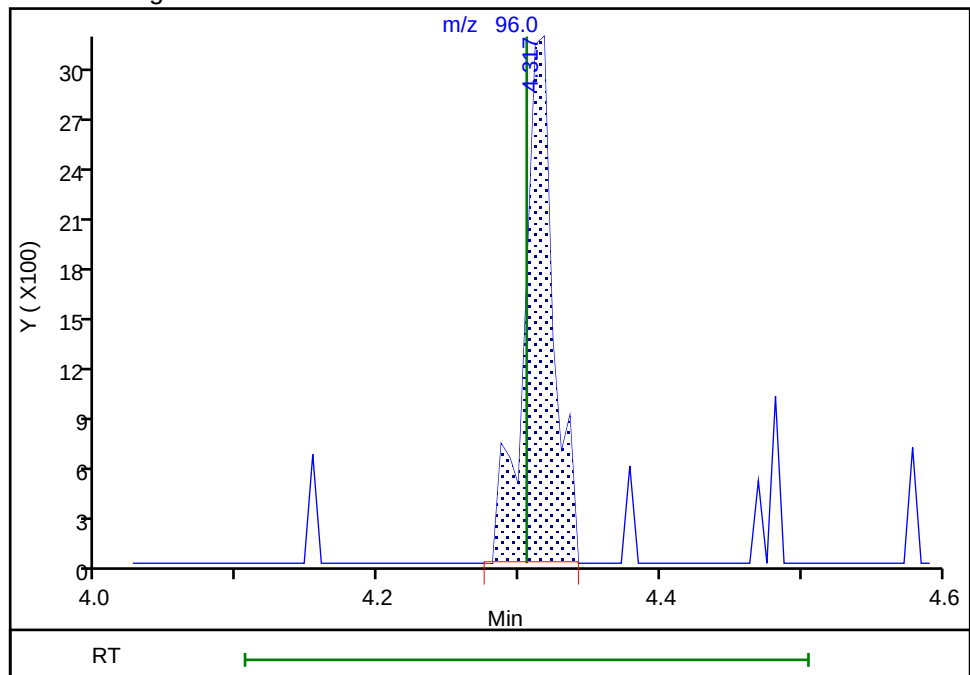
RT: 4.32
Area: 4122
Amount: 0.344159
Amount Units: ug/L

Processing Integration Results



RT: 4.32
Area: 4573
Amount: 0.335707
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:36:59

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

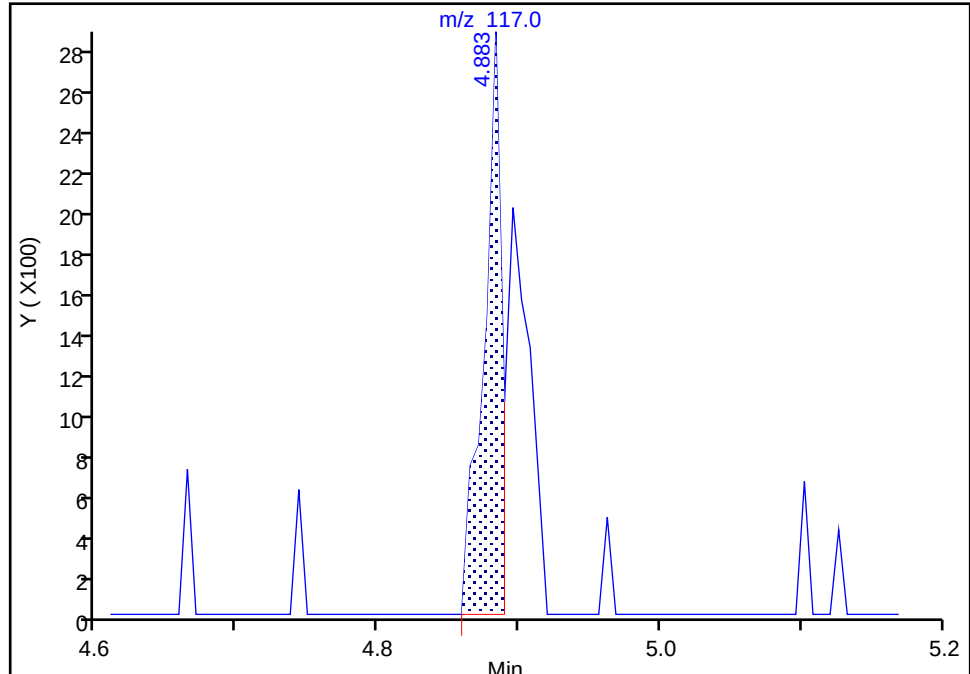
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D
Injection Date: 19-Jul-2018 15:25:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 41 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

53 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

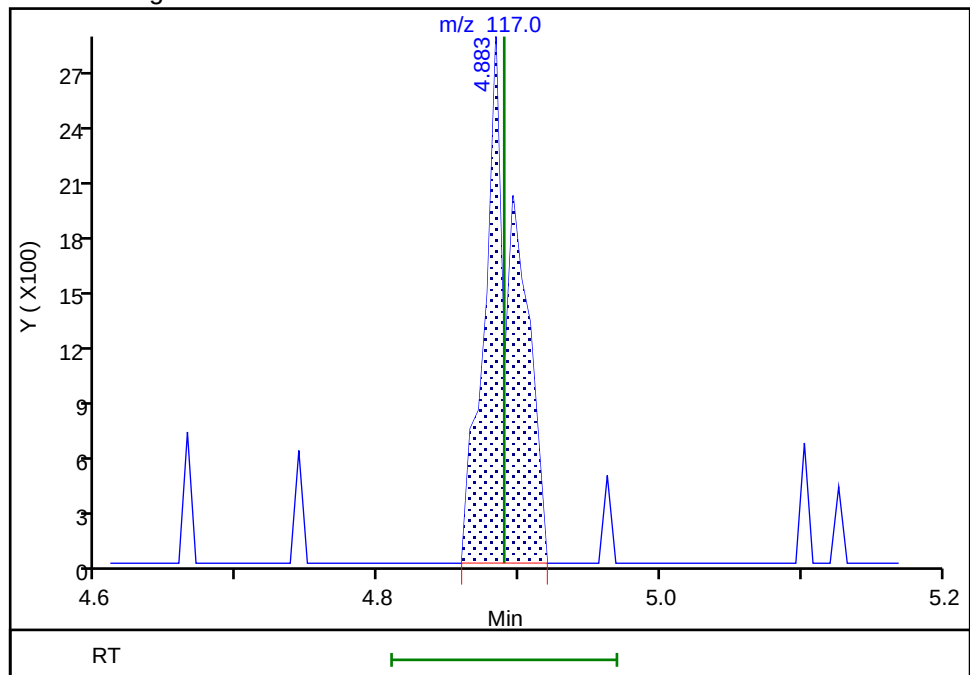
RT: 4.88
Area: 2489
Amount: 0.333994
Amount Units: ug/L

Processing Integration Results



RT: 4.88
Area: 4460
Amount: 0.304374
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:38:31
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

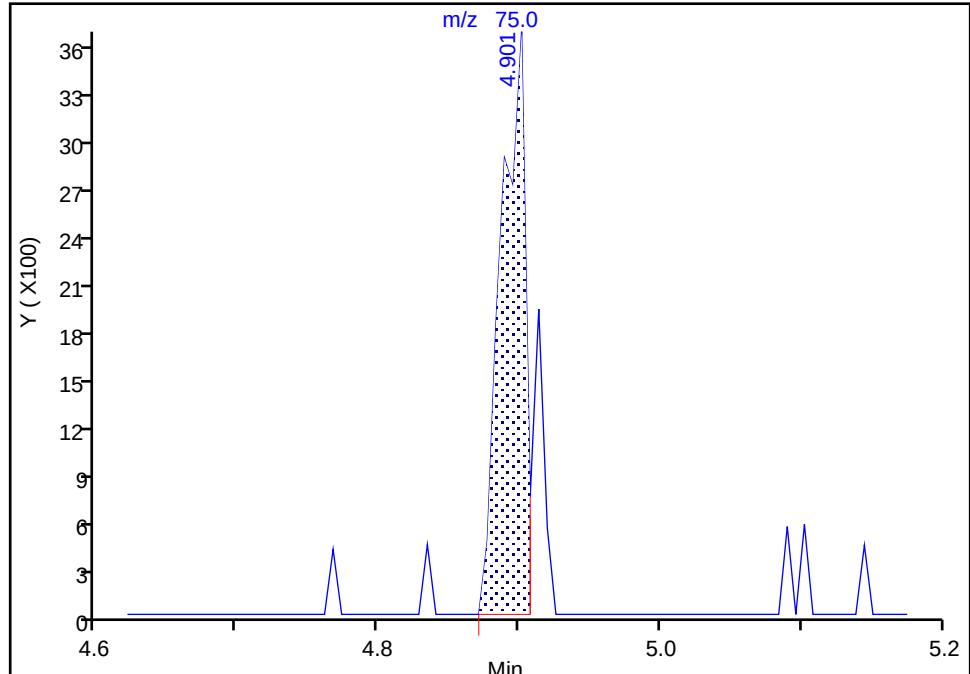
MS SCAN

54 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

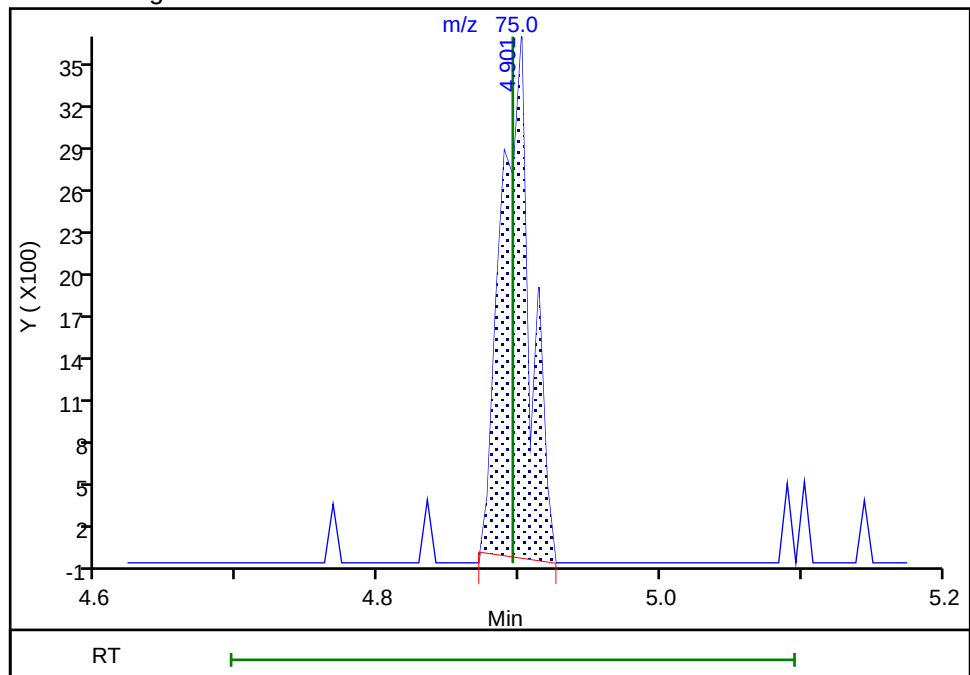
RT: 4.90
Area: 4471
Amount: 0.395638
Amount Units: ug/L

Processing Integration Results



RT: 4.90
Area: 5238
Amount: 0.336840
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:38:57

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

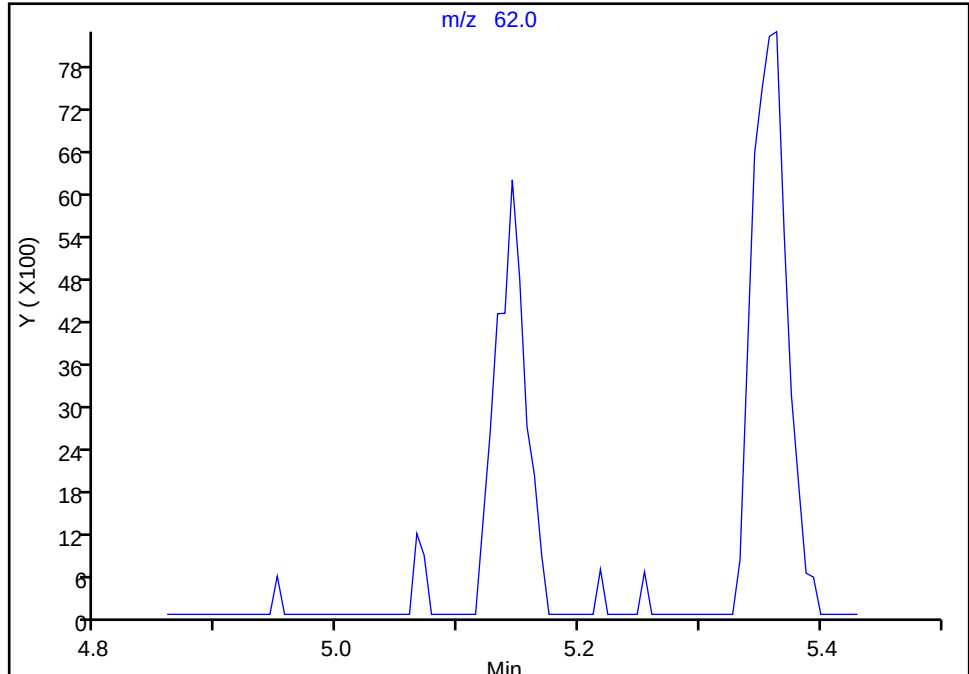
57 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

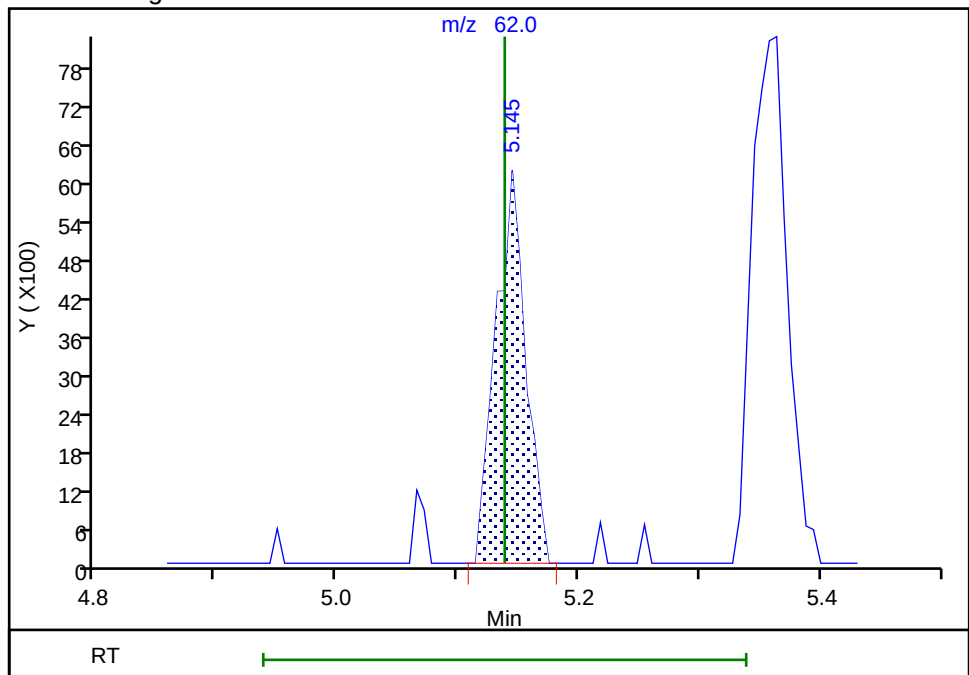
Not Detected

Expected RT: 5.14

Processing Integration Results



Manual Integration Results



RT: 5.14

Area: 10477

Amount: 0.489842

Amount Units: ug/L

Reviewer: HillL, 19-Jul-2018 21:39:18

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

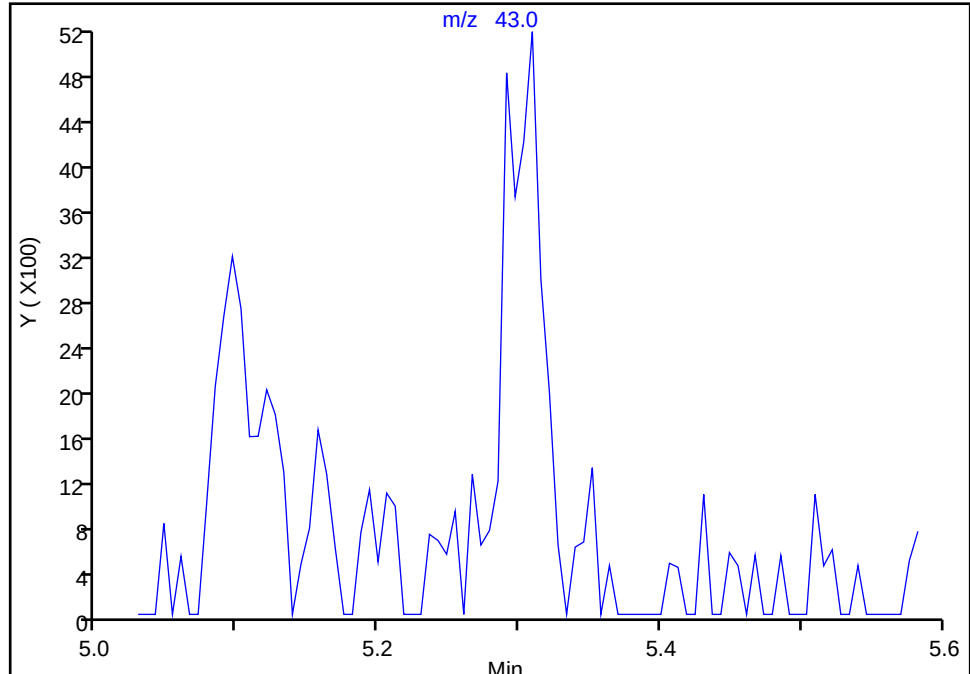
59 n-Heptane, CAS: 142-82-5

Signal: 1

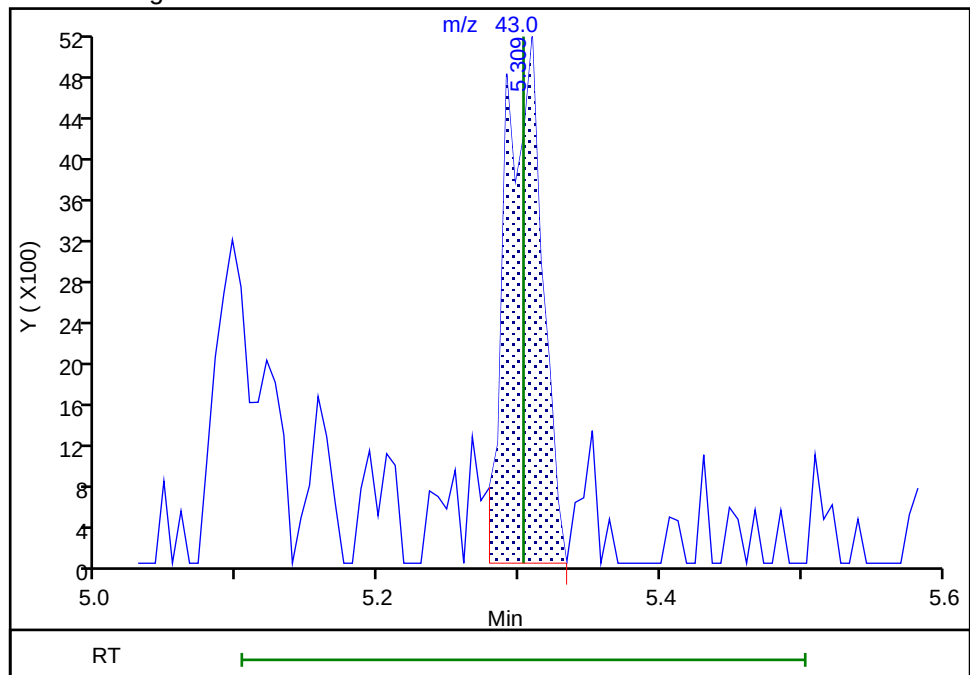
Not Detected

Expected RT: 5.30

Processing Integration Results



Manual Integration Results



RT: 5.31

Area: 9198

Amount: 0.302011

Amount Units: ug/L

Reviewer: HillL, 19-Jul-2018 21:40:05

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

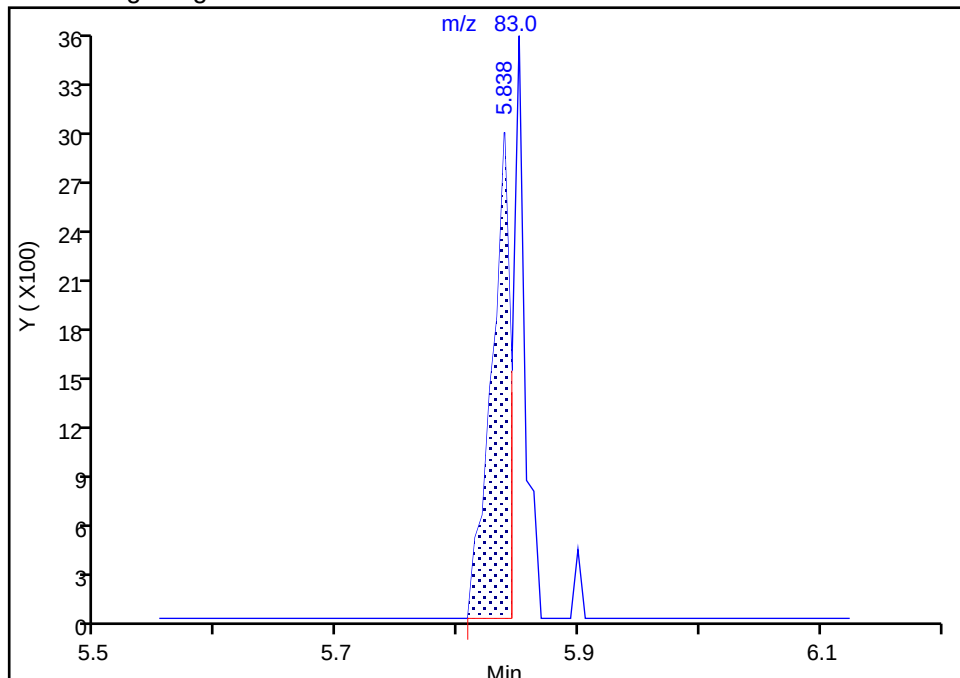
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D
Injection Date: 19-Jul-2018 15:25:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 41 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

62 Methylcyclohexane, CAS: 108-87-2

Signal: 1

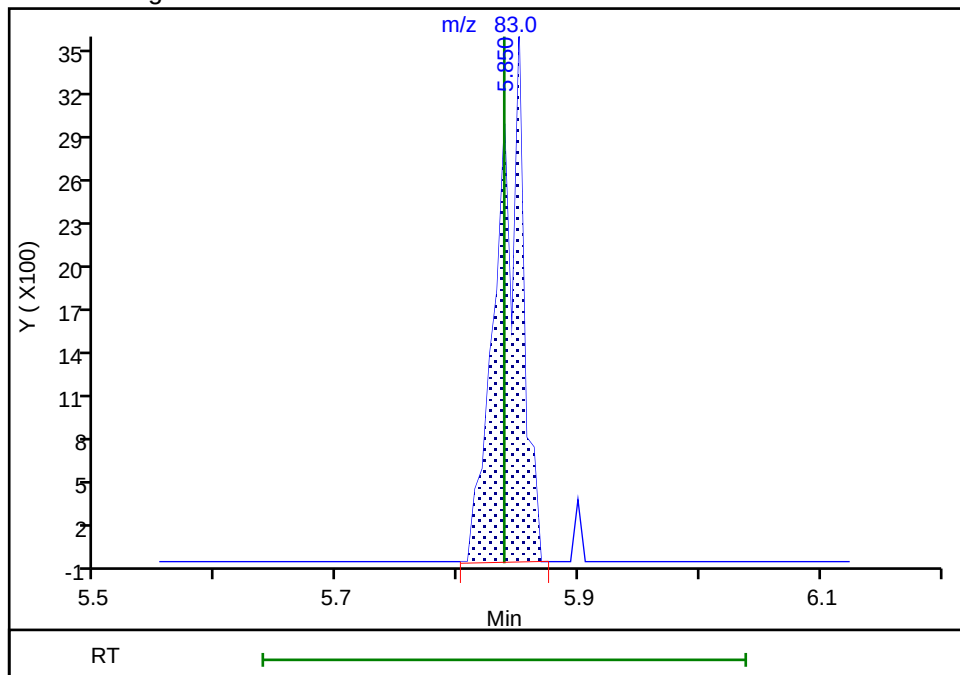
RT: 5.84
Area: 3247
Amount: 0.383873
Amount Units: ug/L

Processing Integration Results



RT: 5.85
Area: 5166
Amount: 0.250905
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:40:31
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

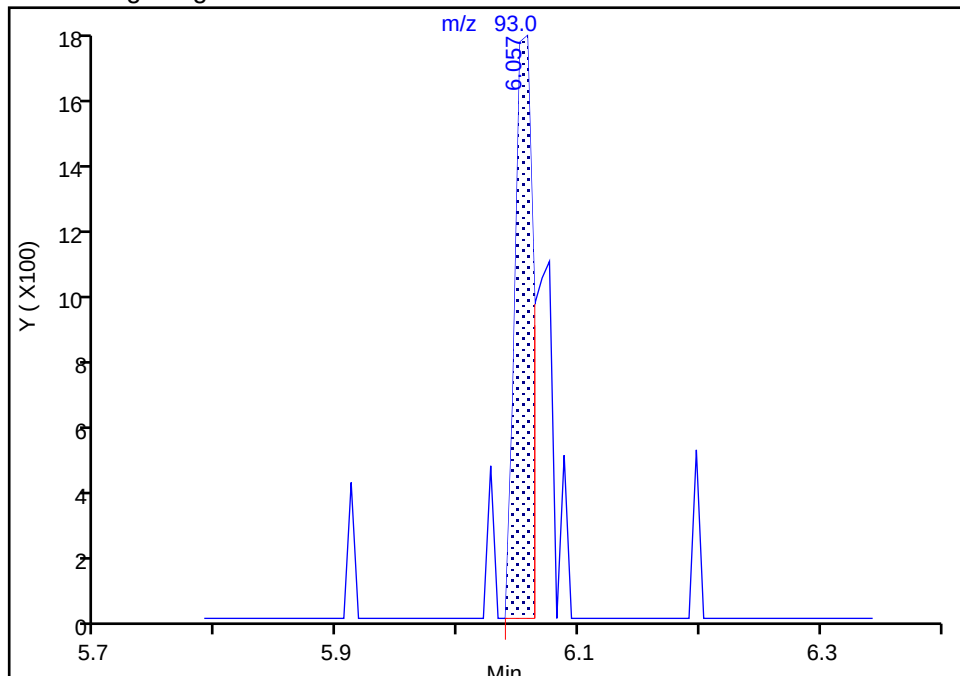
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D
Injection Date: 19-Jul-2018 15:25:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 41 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

64 Dibromomethane, CAS: 74-95-3

Signal: 1

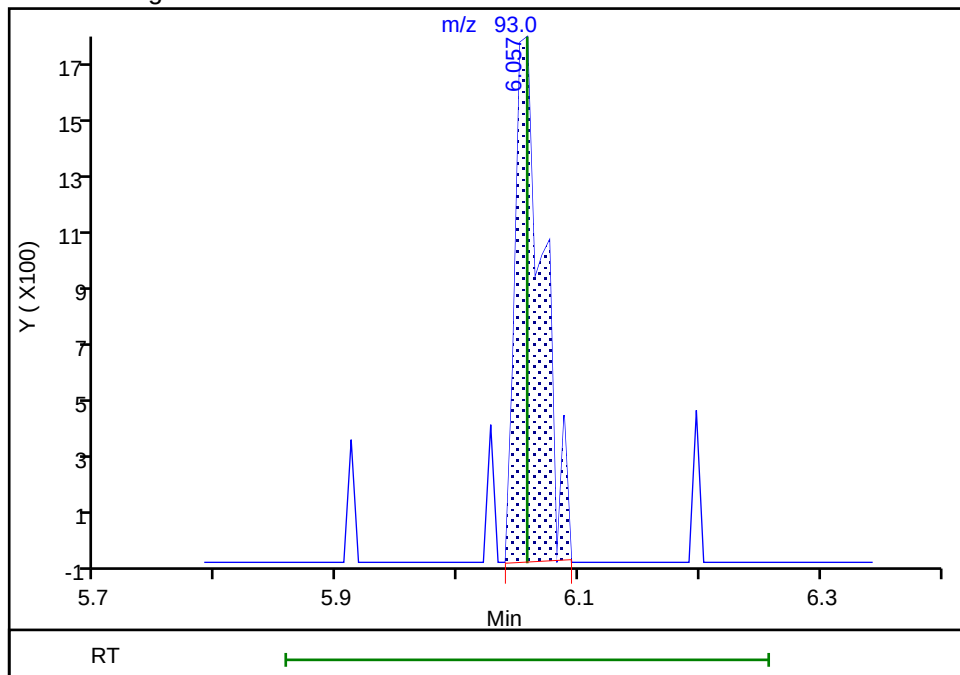
RT: 6.06
Area: 1857
Amount: 0.328917
Amount Units: ug/L

Processing Integration Results



RT: 6.06
Area: 2791
Amount: 0.370236
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:40:54
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

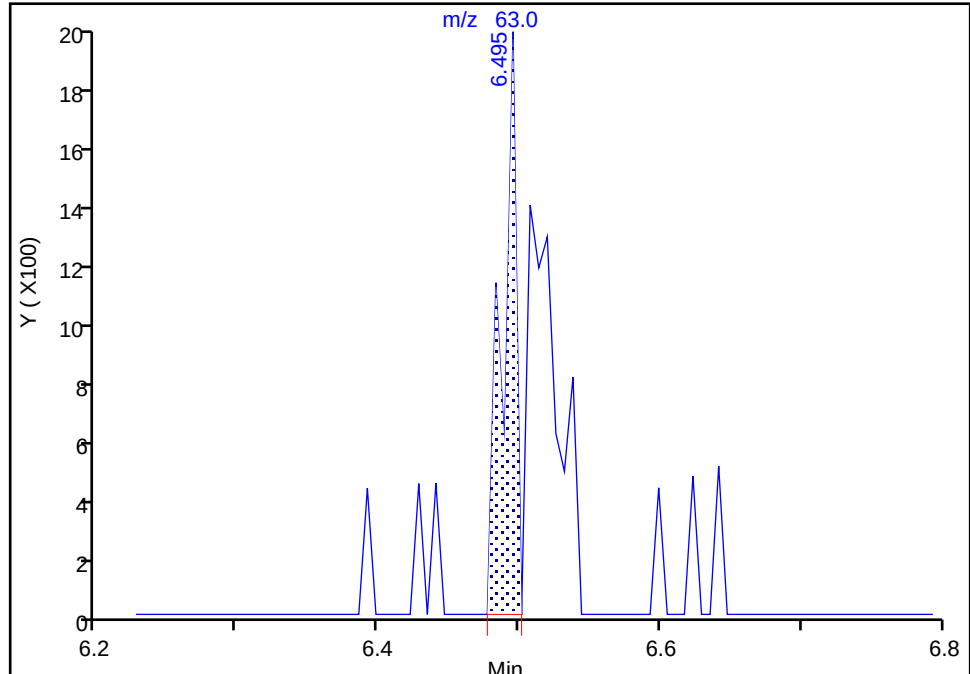
MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

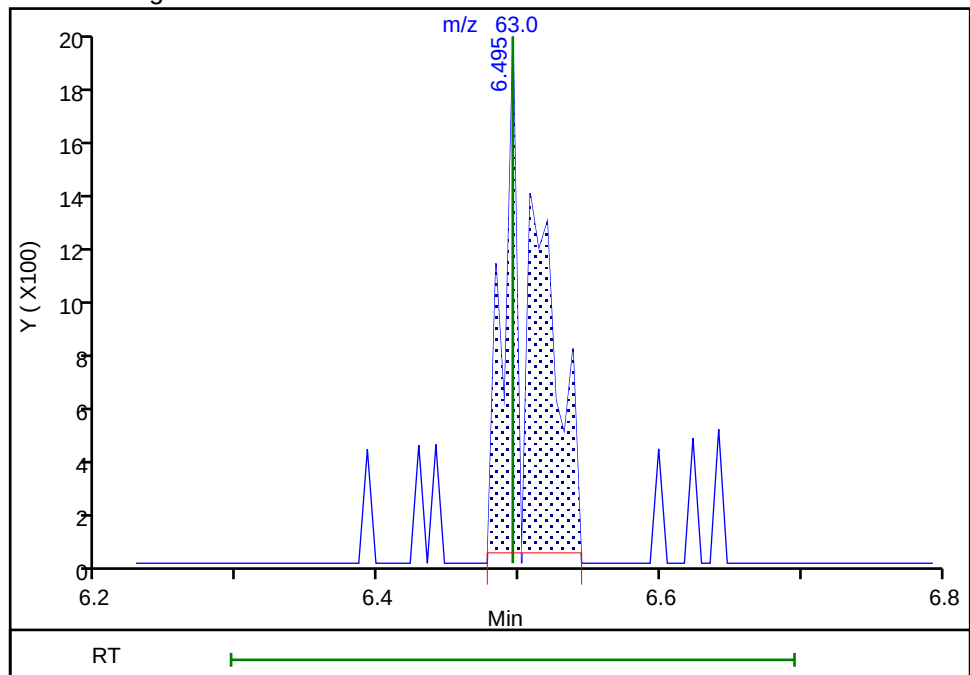
RT: 6.50
Area: 1313
Amount: 0.513996
Amount Units: ug/L

Processing Integration Results



RT: 6.50
Area: 3194
Amount: 0.343612
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:41:23

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

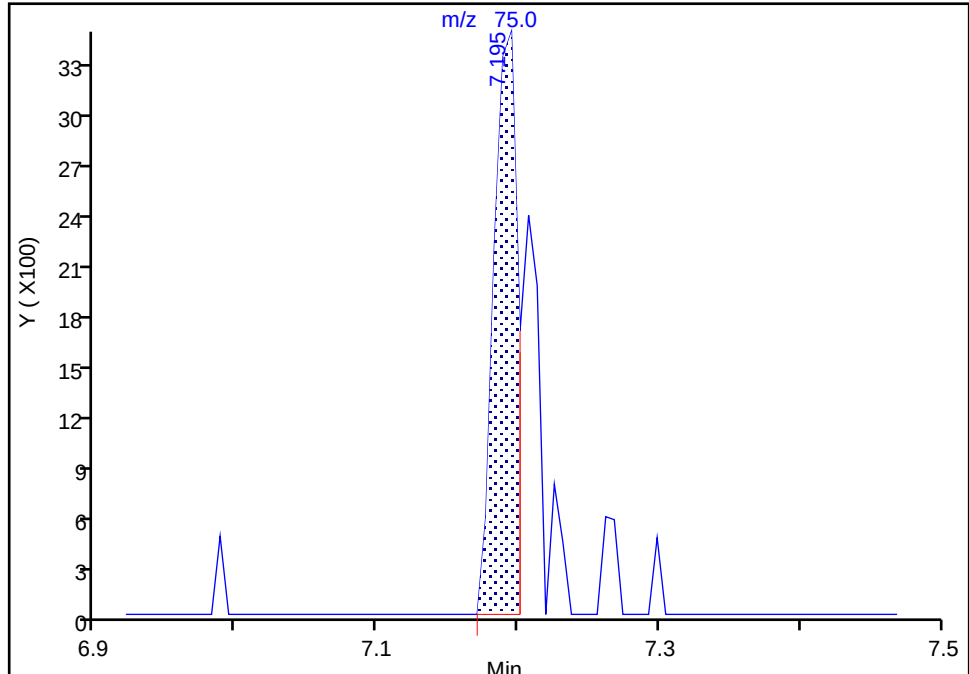
MS SCAN

75 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

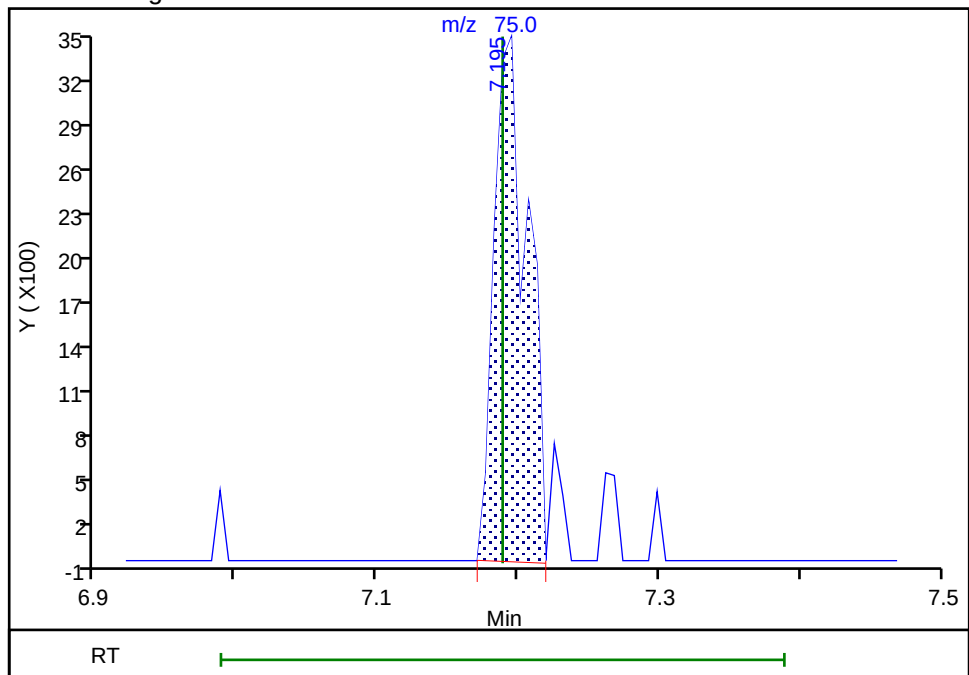
RT: 7.19
Area: 4067
Amount: 0.662552
Amount Units: ug/L

Processing Integration Results



RT: 7.19
Area: 5658
Amount: 0.393819
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:42:15

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

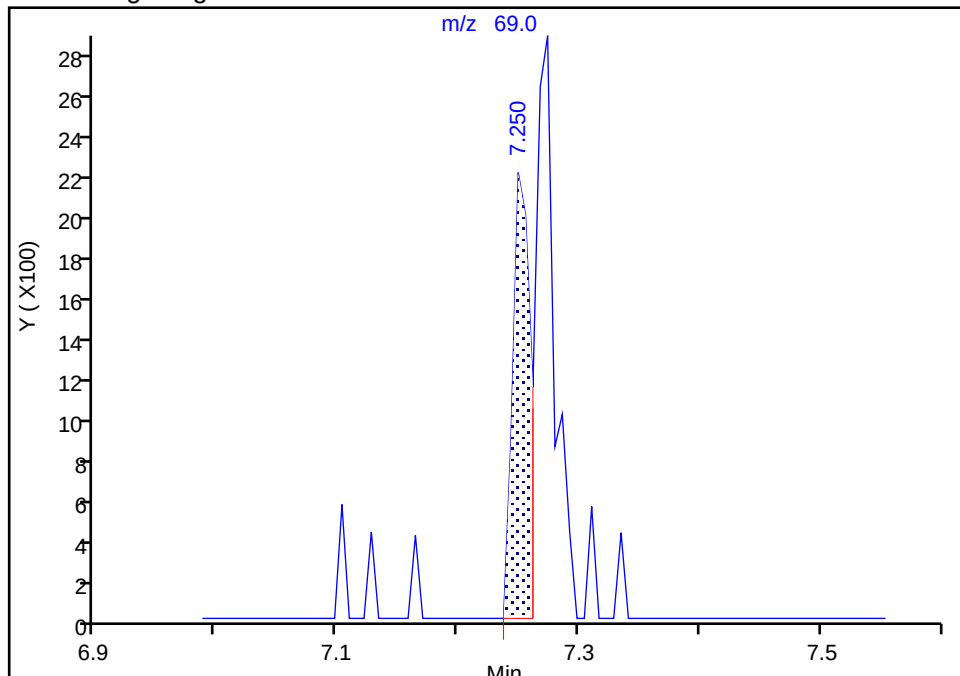
Detector: MS SCAN

77 Ethyl methacrylate, CAS: 97-63-2

Signal: 1

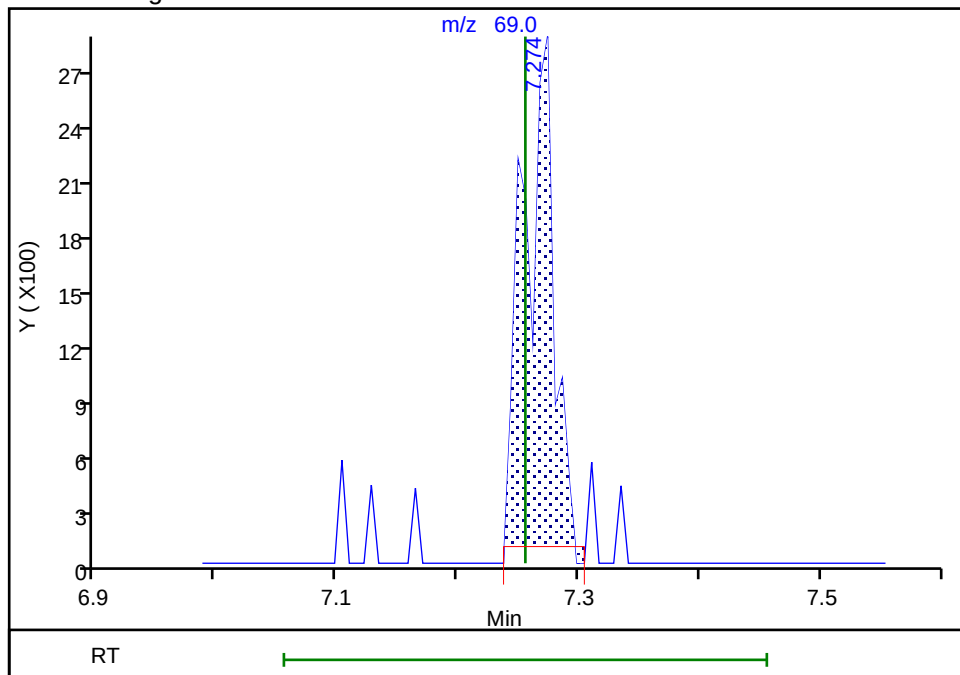
RT: 7.25
Area: 2240
Amount: 0.491637
Amount Units: ug/L

Processing Integration Results



RT: 7.27
Area: 4656
Amount: 0.350912
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:43:03

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

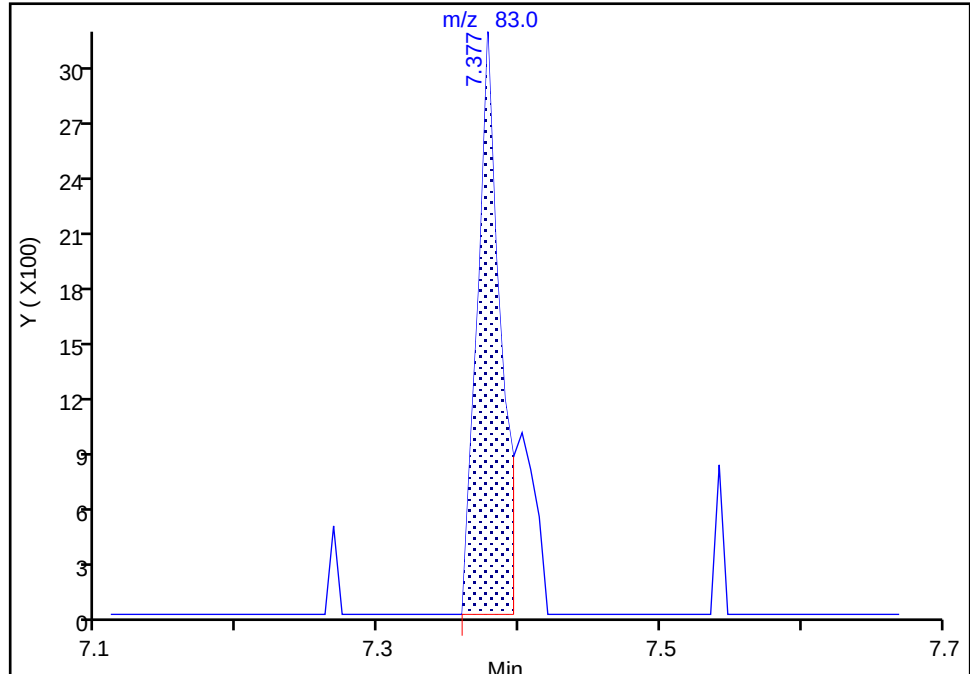
MS SCAN

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

Signal: 1

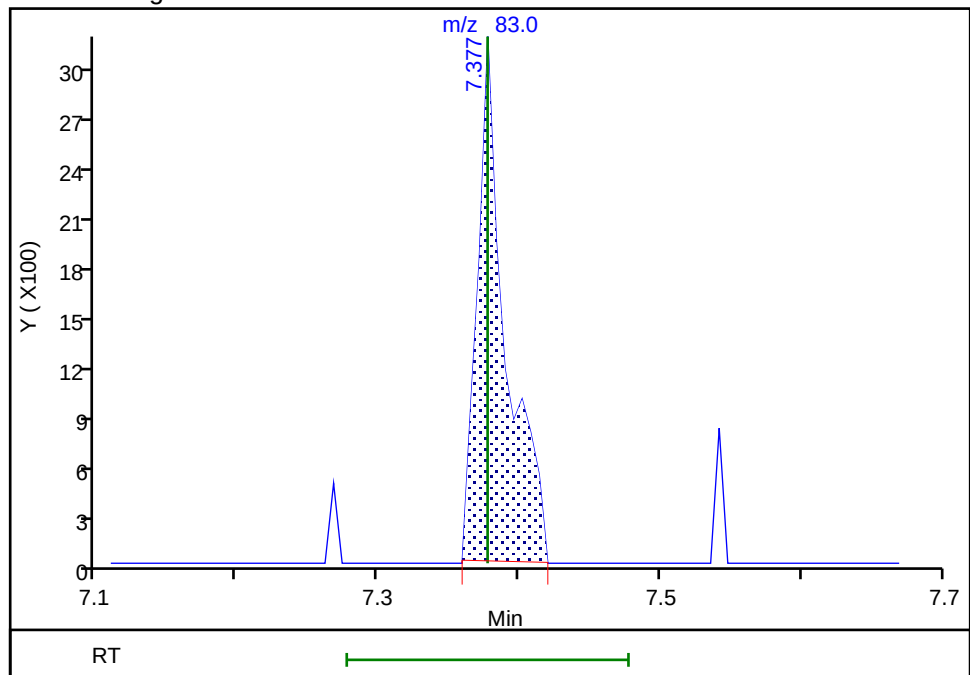
RT: 7.38
Area: 3539
Amount: 0.403990
Amount Units: ug/L

Processing Integration Results



RT: 7.38
Area: 4317
Amount: 0.482098
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:44:06

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

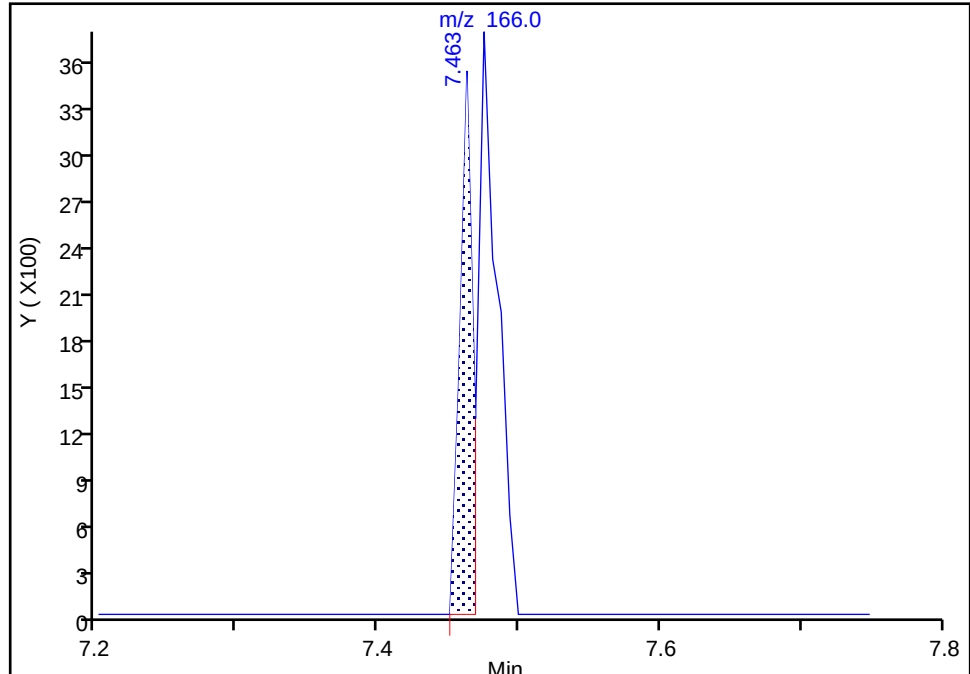
MS SCAN

79 Tetrachloroethene, CAS: 127-18-4

Signal: 1

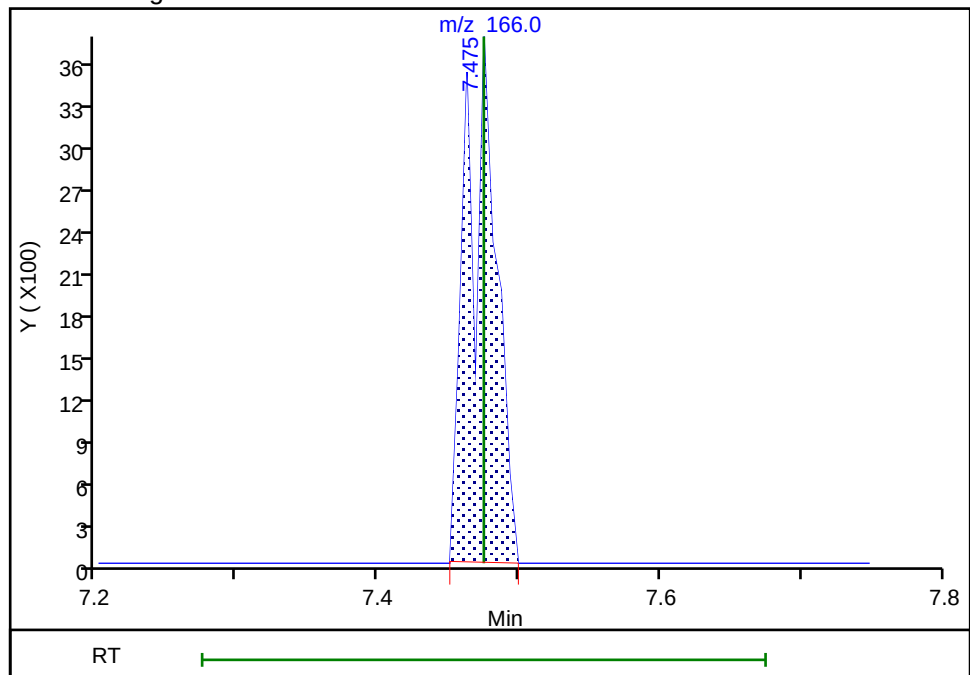
RT: 7.46
Area: 2265
Amount: 0.380790
Amount Units: ug/L

Processing Integration Results



RT: 7.47
Area: 5386
Amount: 0.428282
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:44:24

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

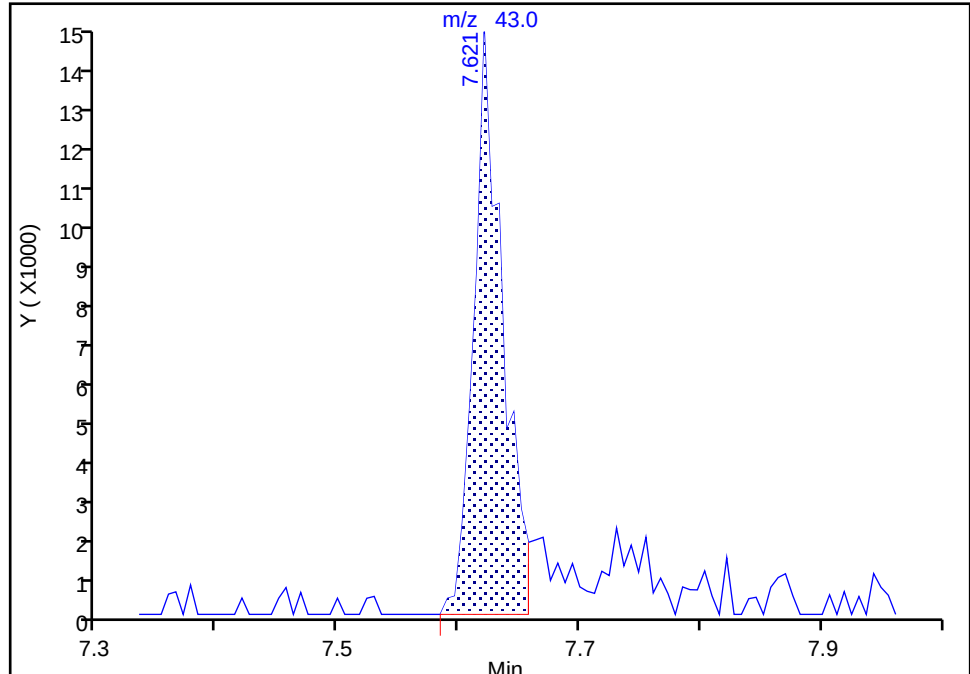
Detector: MS SCAN

82 2-Hexanone, CAS: 591-78-6

Signal: 1

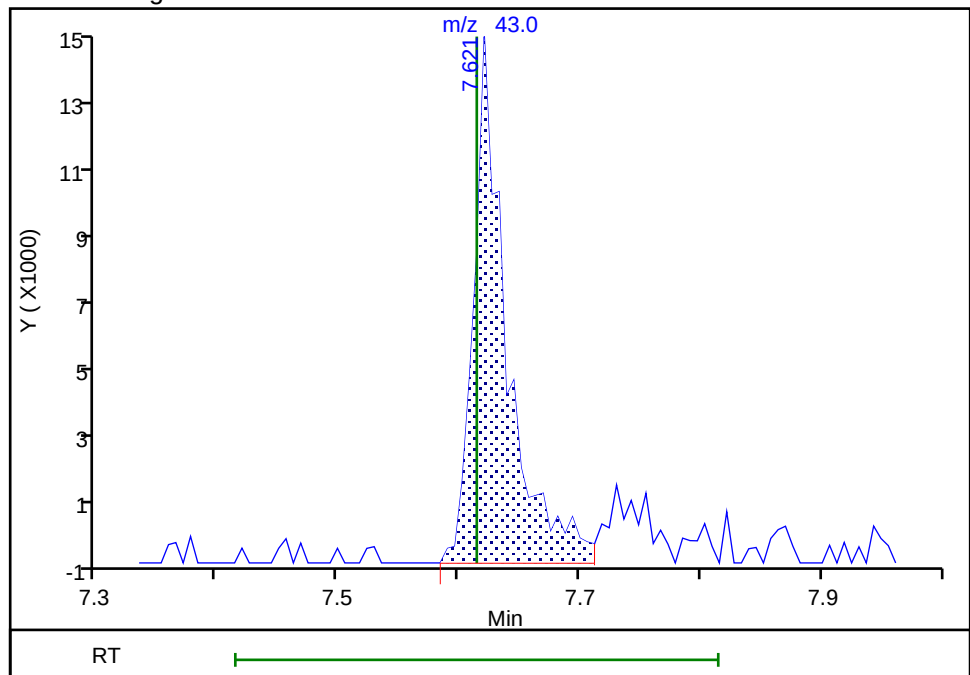
RT: 7.62
Area: 24658
Amount: 1.684161
Amount Units: ug/L

Processing Integration Results



RT: 7.62
Area: 28377
Amount: 1.913865
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:46:09

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

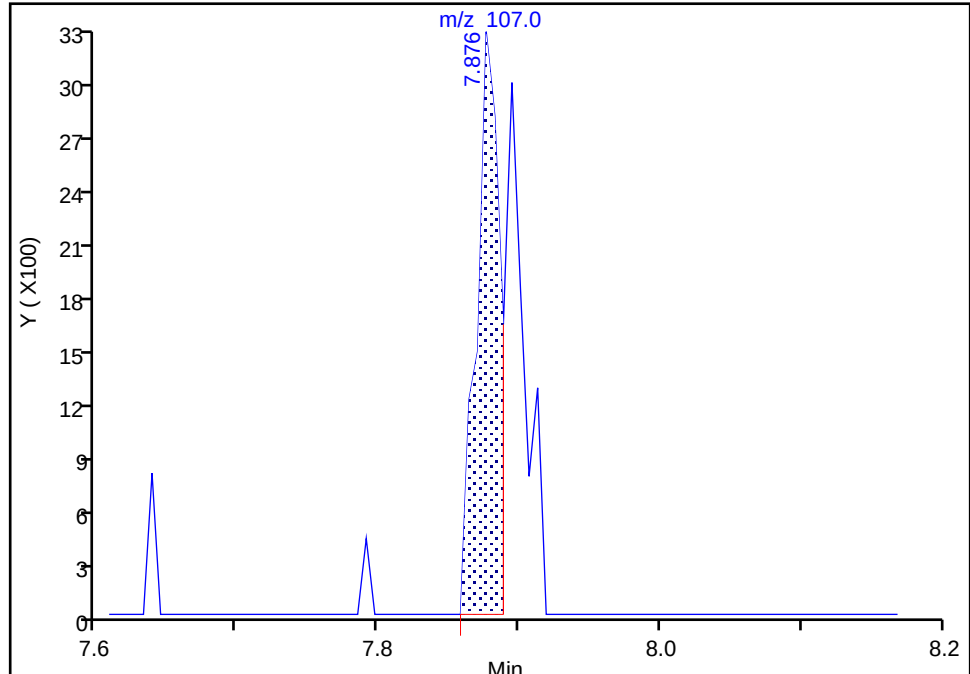
MS SCAN

84 Ethylene Dibromide, CAS: 106-93-4

Signal: 1

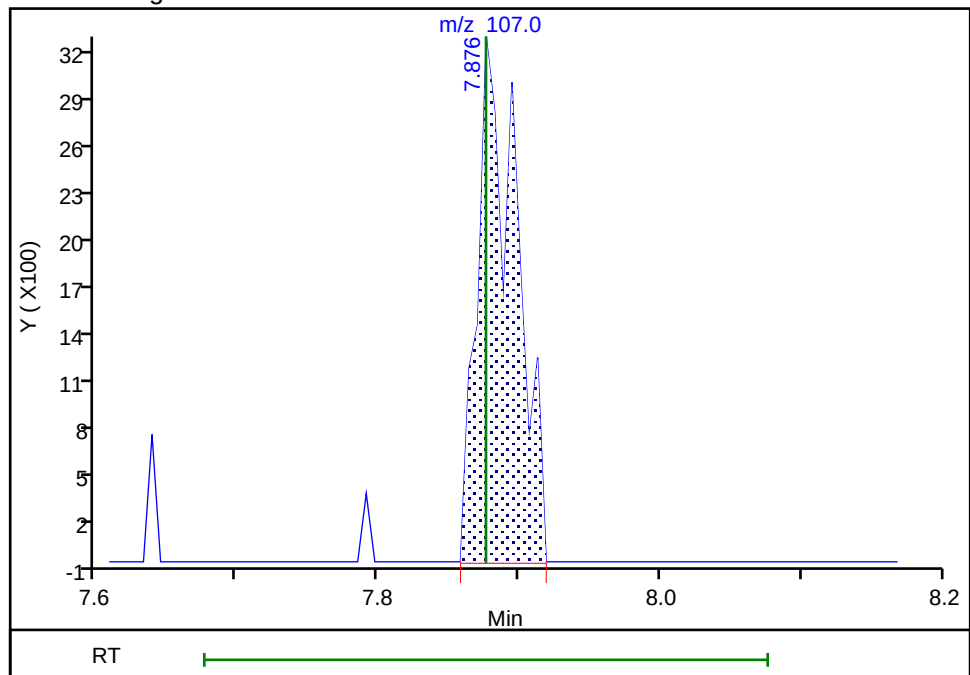
RT: 7.88
Area: 3810
Amount: 0.357487
Amount Units: ug/L

Processing Integration Results



RT: 7.88
Area: 6360
Amount: 0.563069
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:46:38

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

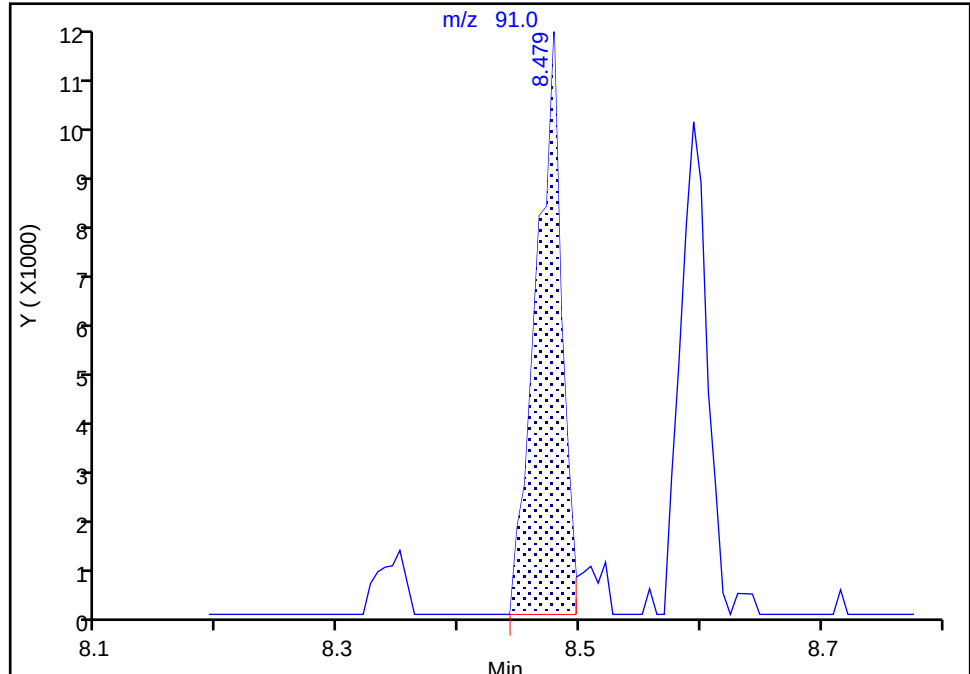
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D
Injection Date: 19-Jul-2018 15:25:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 41 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

88 Ethylbenzene, CAS: 100-41-4

Signal: 1

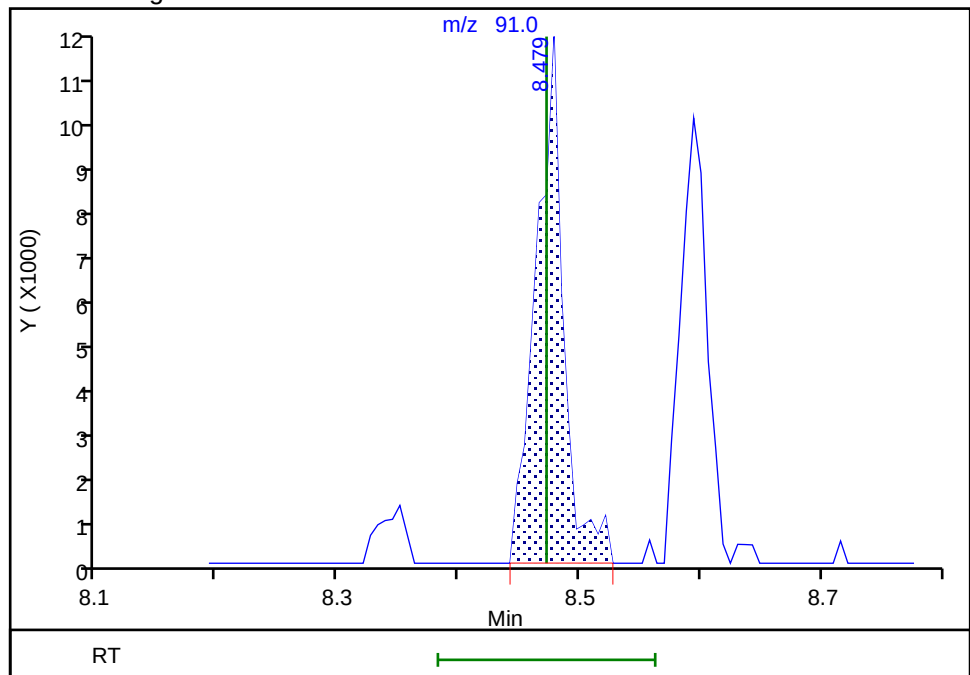
RT: 8.48
Area: 17608
Amount: 0.350066
Amount Units: ug/L

Processing Integration Results



RT: 8.48
Area: 18883
Amount: 0.373050
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:48:58
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

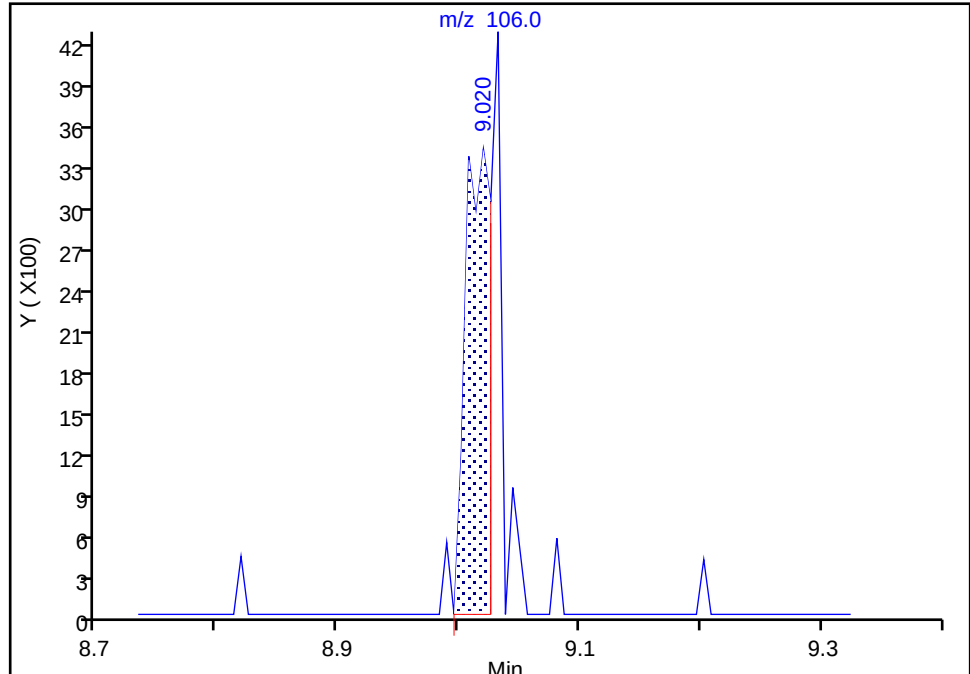
MS SCAN

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

Signal: 1

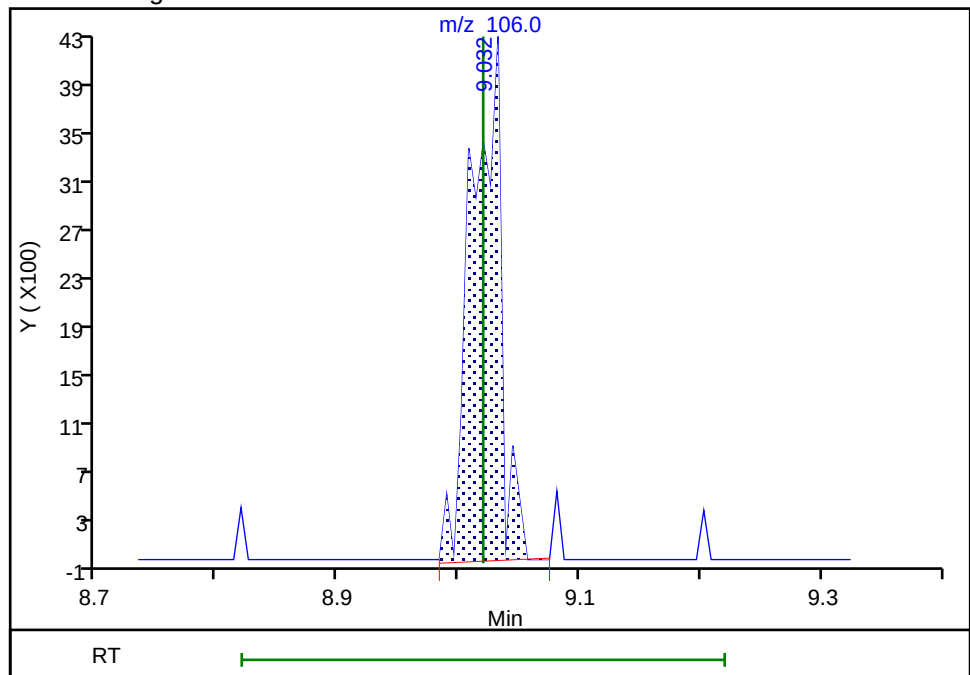
RT: 9.02
Area: 5088
Amount: 0.434155
Amount Units: ug/L

Processing Integration Results



RT: 9.03
Area: 7403
Amount: 0.373597
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:49:42

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

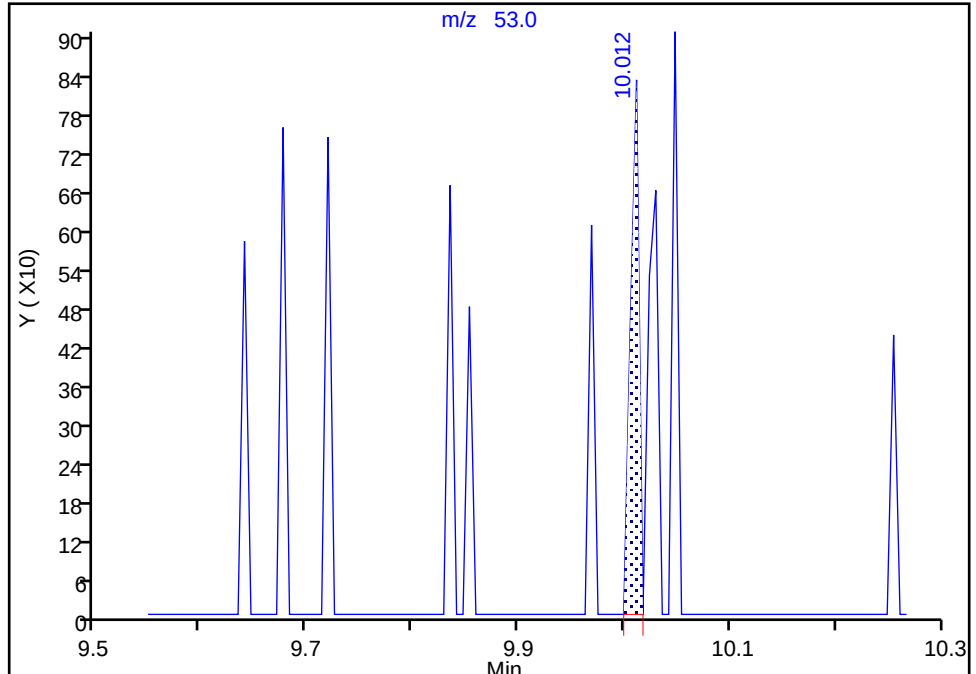
MS SCAN

101 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

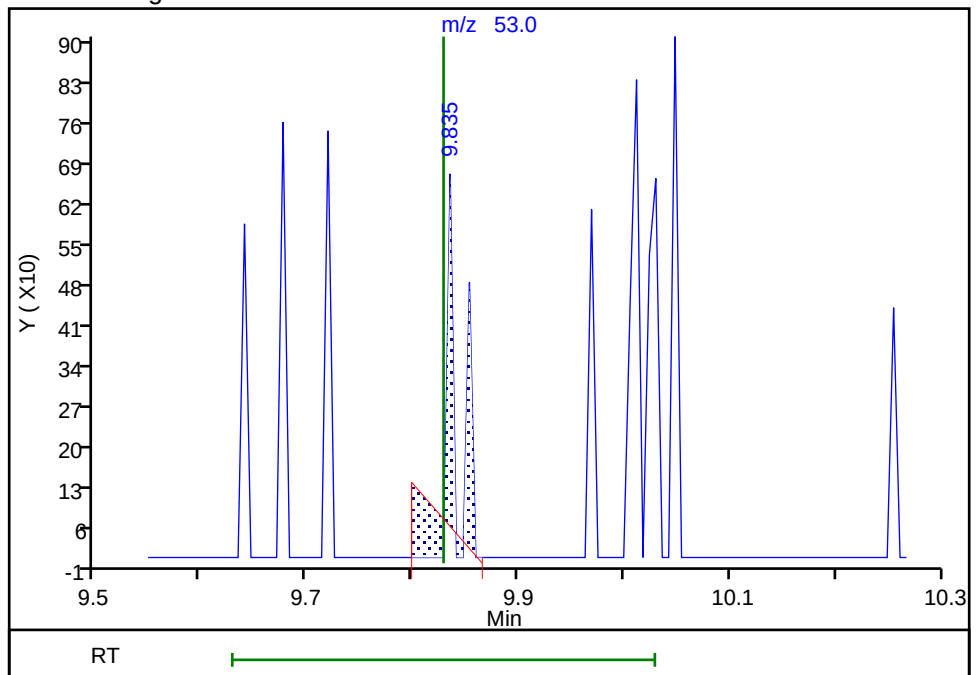
RT: 10.01
Area: 465
Amount: 0.747849
Amount Units: ug/L

Processing Integration Results



RT: 9.84
Area: 154
Amount: 0.818277
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:50:38

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1648.D

Injection Date: 19-Jul-2018 15:25:30

Instrument ID: HP5973N

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

41

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

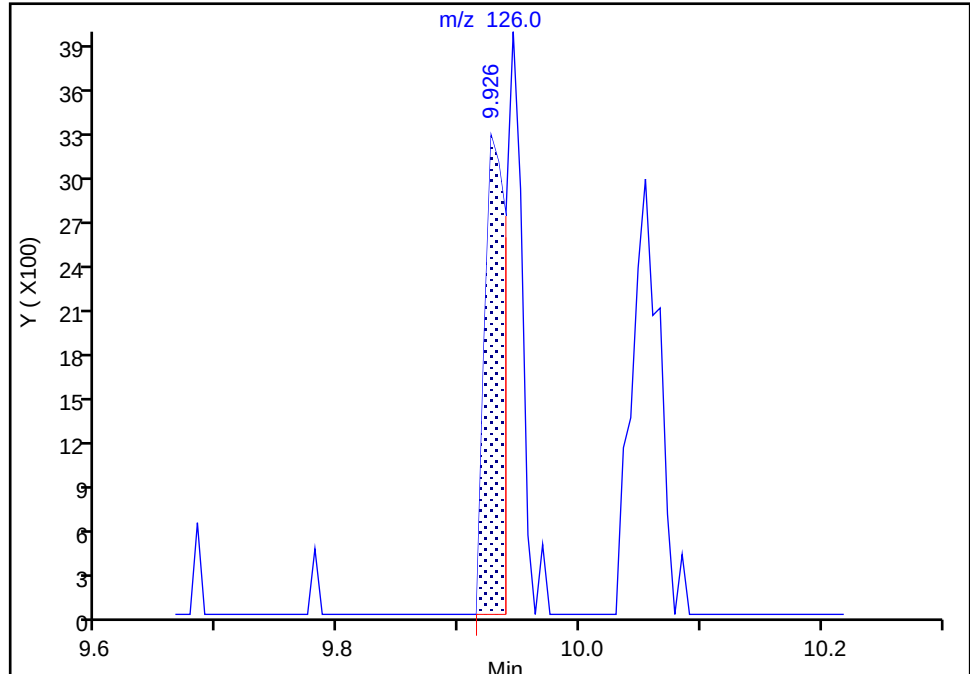
MS SCAN

102 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

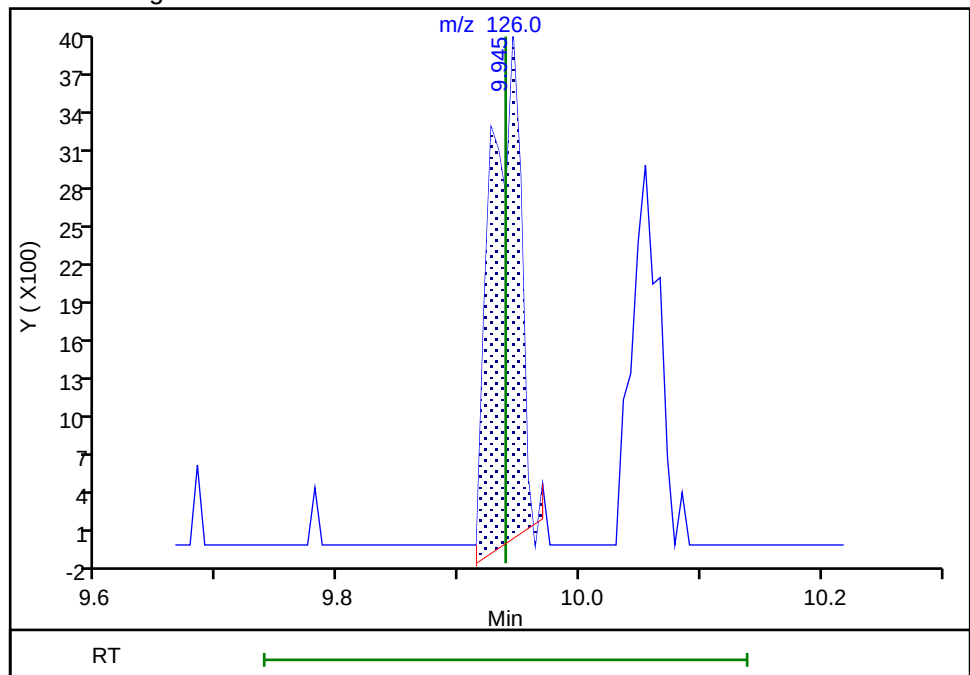
RT: 9.93
Area: 3918
Amount: 0.402617
Amount Units: ug/L

Processing Integration Results



RT: 9.94
Area: 6653
Amount: 0.520600
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:51:14

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 19-Jul-2018 15:53:30 ALS Bottle#: 42 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0073222-008
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 20-Jul-2018 13:44:43 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: HillL

Date: 19-Jul-2018 22:04:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.357	0.001	98	196315	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.338	0.000	90	699059	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.741	0.000	95	389709	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	0.000	94	249974	25.0	25.0	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	340058	25.0	25.6	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	943351	25.0	25.4	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	90	317088	25.0	25.3	
11 Dichlorodifluoromethane	85	1.294	1.294	0.000	55	8408	1.00	0.7144	
13 Chloromethane	50	1.458	1.476	-0.018	98	24930	1.00	0.9830	M
14 Vinyl chloride	62	1.537	1.549	-0.012	74	15331	1.00	0.8929	
144 Butadiene	54	1.567	1.574	-0.007	93	17825	1.00	0.8550	M
15 Bromomethane	94	1.859	1.847	0.012	22	7955	1.00	0.9167	M
16 Chloroethane	64	1.963	1.945	0.018	45	9616	1.00	0.9831	
17 Dichlorofluoromethane	67	2.158	2.139	0.019	90	21168	1.00	1.03	a
18 Trichlorofluoromethane	101	2.151	2.151	0.000	85	13652	1.00	0.8529	M
19 Ethyl ether	59	2.431	2.431	0.000	93	15436	1.00	1.01	
20 Acrolein	56	2.583	2.583	0.000	93	14285	5.00	5.02	
21 1,1,2-Trichloro-1,2,2-trif	101	2.632	2.638	-0.006	47	5537	1.00	0.7448	Ma
22 1,1-Dichloroethene	96	2.638	2.638	0.000	91	7389	1.00	0.7481	M
23 Acetone	43	2.736	2.735	0.001	99	28043	5.00	5.02	
24 Iodomethane	142	2.784	2.784	0.000	96	16317	1.00	0.8842	
25 Carbon disulfide	76	2.821	2.833	-0.012	98	23038	1.00	0.7705	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	89	26208	1.00	0.8836	
28 Methyl acetate	43	3.034	3.034	0.000	98	46403	2.00	2.39	
30 Methylene Chloride	84	3.125	3.125	0.000	90	14993	1.00	1.13	
31 2-Methyl-2-propanol	59	3.277	3.289	-0.012	46	9254	10.0	9.60	M
32 Methyl tert-butyl ether	73	3.362	3.356	0.006	95	30148	1.00	0.8475	
33 trans-1,2-Dichloroethene	96	3.356	3.362	-0.006	79	10643	1.00	0.8934	
34 Acrylonitrile	53	3.386	3.386	0.000	97	90939	10.0	10.6	M
35 Hexane	57	3.569	3.581	-0.012	88	19312	1.00	0.7767	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	3.770	3.764	0.006	94	22394	1.00	0.9035	
39 Vinyl acetate	43	3.818	3.818	0.000	97	61694	2.00	1.60	
42 2,2-Dichloropropane	77	4.287	4.281	0.006	73	12256	1.00	0.8928	M
43 cis-1,2-Dichloroethene	96	4.311	4.305	0.006	87	12865	1.00	0.9452	
44 2-Butanone (MEK)	43	4.348	4.335	0.013	95	50342	5.00	4.79	M
47 Chlorobromomethane	128	4.530	4.536	-0.006	87	5561	1.00	0.8671	M
49 Tetrahydrofuran	42	4.579	4.567	0.012	83	13259	2.00	1.82	
50 Chloroform	83	4.621	4.615	0.006	93	21301	1.00	1.00	
51 1,1,1-Trichloroethane	97	4.749	4.743	0.006	97	13160	1.00	0.8224	
52 Cyclohexane	56	4.774	4.767	0.007	33	17845	1.00	0.8695	M
53 Carbon tetrachloride	117	4.883	4.889	-0.006	93	12698	1.00	0.8673	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	77	12317	1.00	0.7927	
56 Isobutyl alcohol	43	5.090	5.090	0.000	41	18680	25.0	20.7	
55 Benzene	78	5.090	5.090	0.000	94	42719	1.00	0.9080	
57 1,2-Dichloroethane	62	5.139	5.139	0.001	93	23568	1.00	1.10	a
59 n-Heptane	43	5.303	5.303	0.000	92	23539	1.00	0.7735	
60 Trichloroethene	95	5.704	5.698	0.006	87	10067	1.00	0.8588	
62 Methylcyclohexane	83	5.832	5.838	-0.006	92	14415	1.00	0.7007	
63 1,2-Dichloropropane	63	5.929	5.929	0.000	91	12796	1.00	0.9138	
64 Dibromomethane	93	6.051	6.057	-0.006	91	7080	1.00	0.9400	
66 1,4-Dioxane	88	6.075	6.069	0.006	0	1073	20.0	9.55	M
67 Dichlorobromomethane	83	6.209	6.209	0.000	93	11573	1.00	0.7932	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	89	7520	1.00	0.8097	M
71 cis-1,3-Dichloropropene	75	6.635	6.629	0.006	87	12747	1.00	0.7990	
72 4-Methyl-2-pentanone (MIBK)	58	6.769	6.775	-0.006	97	27009	5.00	3.81	
73 Toluene	92	6.939	6.933	0.006	95	22097	1.00	0.8291	
75 trans-1,3-Dichloropropene	75	7.189	7.189	0.000	95	11710	1.00	0.8512	M
77 Ethyl methacrylate	69	7.262	7.256	0.006	90	11595	1.00	0.9126	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	92	8857	1.00	1.03	
79 Tetrachloroethene	166	7.469	7.475	-0.006	85	9368	1.00	0.7779	
80 1,3-Dichloropropane	76	7.542	7.542	0.000	87	14204	1.00	0.8521	
82 2-Hexanone	43	7.615	7.615	0.000	97	60059	5.00	4.23	
83 Chlorodibromomethane	129	7.779	7.773	0.006	83	8470	1.00	0.8495	M
84 Ethylene Dibromide	107	7.882	7.876	0.006	94	9395	1.00	0.8686	
85 Chlorobenzene	112	8.375	8.369	0.006	96	27391	1.00	0.8713	
89 1,1,1,2-Tetrachloroethane	131	8.460	8.466	-0.006	45	9002	1.00	0.8466	
88 Ethylbenzene	91	8.472	8.472	0.000	98	43999	1.00	0.9077	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	15868	1.00	0.8257	
91 o-Xylene	106	9.020	9.020	0.000	93	16960	1.00	0.8938	M
92 Styrene	104	9.038	9.044	-0.006	96	27029	1.00	0.8656	
93 Bromoform	173	9.275	9.269	0.006	31	5056	1.00	0.7398	
95 Isopropylbenzene	105	9.409	9.409	0.000	94	37444	1.00	0.7510	
97 Bromobenzene	156	9.744	9.744	0.000	88	11473	1.00	0.8065	
98 1,1,2,2-Tetrachloroethane	83	9.780	9.780	0.000	91	13619	1.00	0.9138	
99 1,2,3-Trichloropropane	110	9.823	9.817	0.006	89	5251	1.00	1.09	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.829	0.006	59	1562	1.00	1.07	
100 N-Propylbenzene	91	9.835	9.841	-0.006	98	47594	1.00	0.8305	
102 2-Chlorotoluene	126	9.932	9.938	-0.006	95	11050	1.00	0.8437	
104 1,3,5-Trimethylbenzene	105	10.024	10.018	0.006	94	31955	1.00	0.7830	
105 4-Chlorotoluene	91	10.048	10.048	0.000	96	34663	1.00	0.8703	
106 tert-Butylbenzene	134	10.334	10.340	-0.006	93	7542	1.00	0.8009	
108 1,2,4-Trimethylbenzene	105	10.389	10.395	-0.006	97	35404	1.00	0.8491	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	94	41213	1.00	0.7554	
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	96	23903	1.00	0.9345	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	98	34741	1.00	0.7121	
113 1,4-Dichlorobenzene	146	10.760	10.760	0.000	88	23131	1.00	0.8714	
115 n-Butylbenzene	91	11.082	11.082	0.000	96	32247	1.00	0.7808	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	92	23313	1.00	0.9471	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.837	0.000	5	2171	1.00	0.9221	
119 1,2,4-Trichlorobenzene	180	12.536	12.530	0.006	90	14612	1.00	0.8519	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	88	6161	1.00	0.7279	
121 Naphthalene	128	12.743	12.737	0.006	96	33534	1.00	0.7500	
122 1,2,3-Trichlorobenzene	180	12.950	12.944	0.006	93	11959	1.00	0.7710	
S 124 1,2-Dichloroethene, Total	1				0			1.84	
S 125 Total BTEX	1				0			4.36	
S 126 Xylenes, Total	1				0			1.72	
S 123 1,3-Dichloropropene, Total	1				0			1.65	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00129

Amount Added: 1.00

Units: uL

GAS CORP mix_00291

Amount Added: 1.00

Units: uL

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

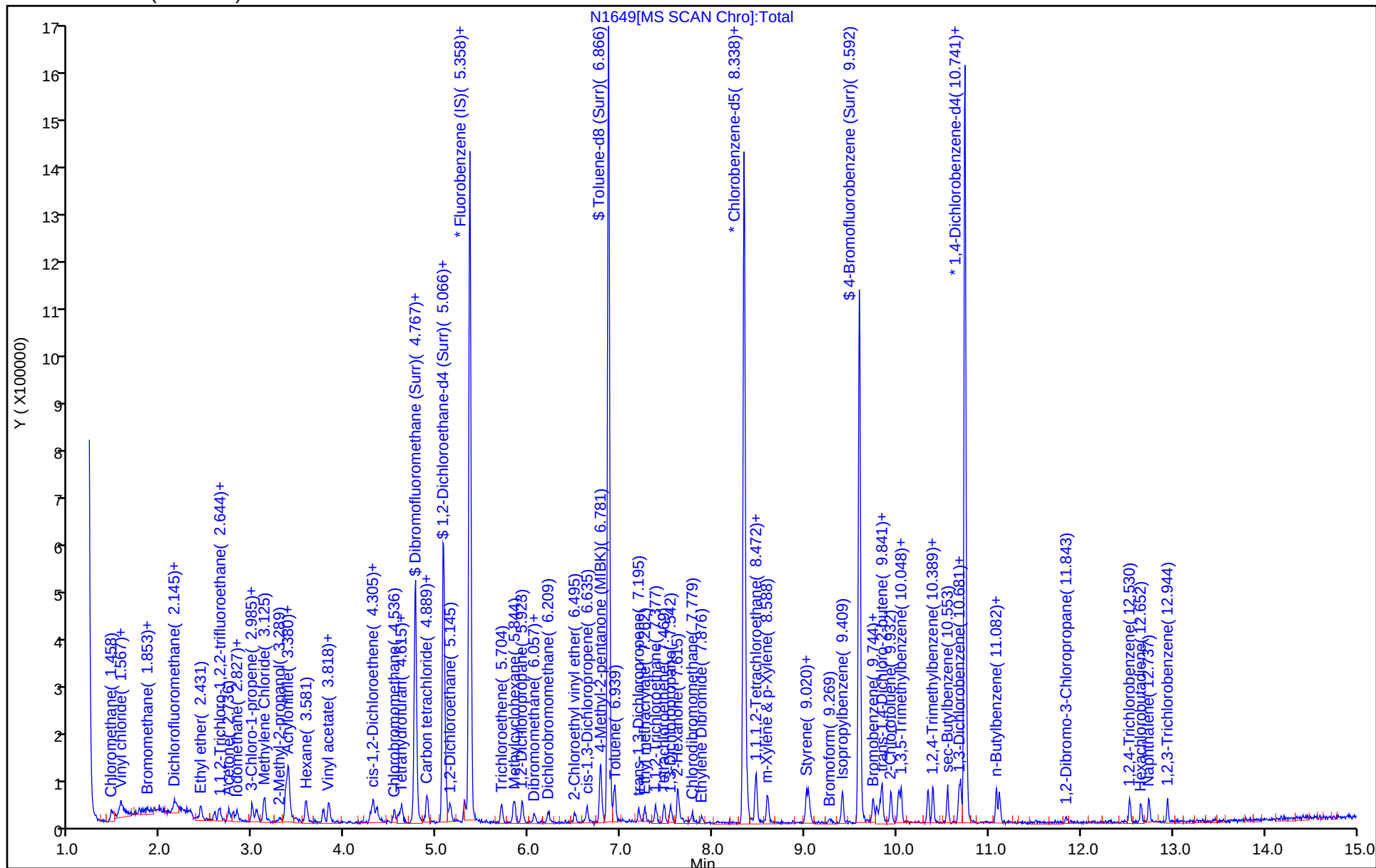
Dil. Factor: 1.0000

ALS Bottle#: 42

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

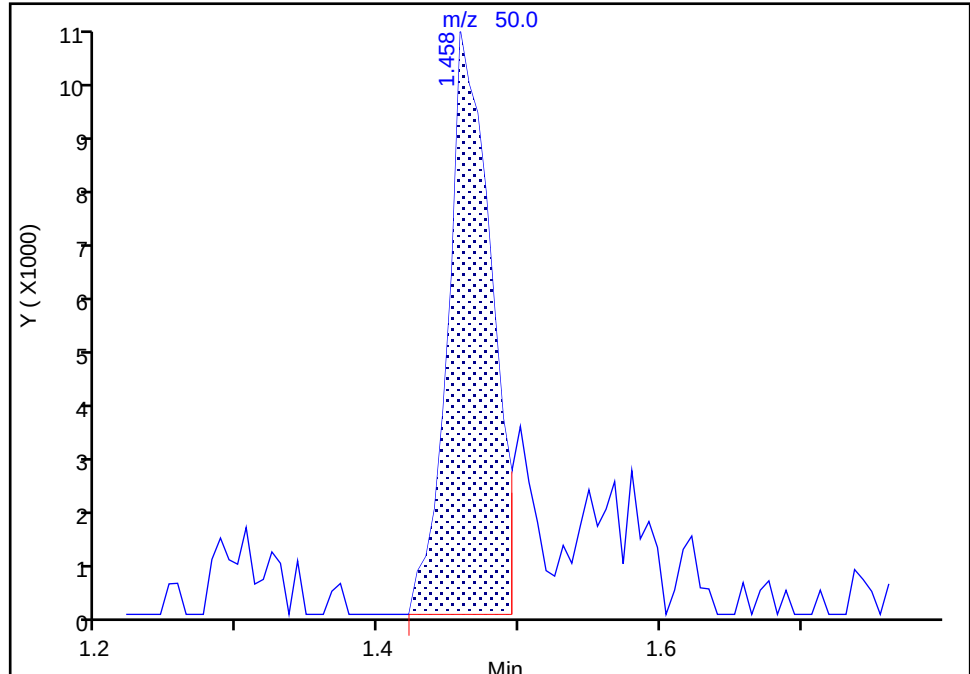
Detector: MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

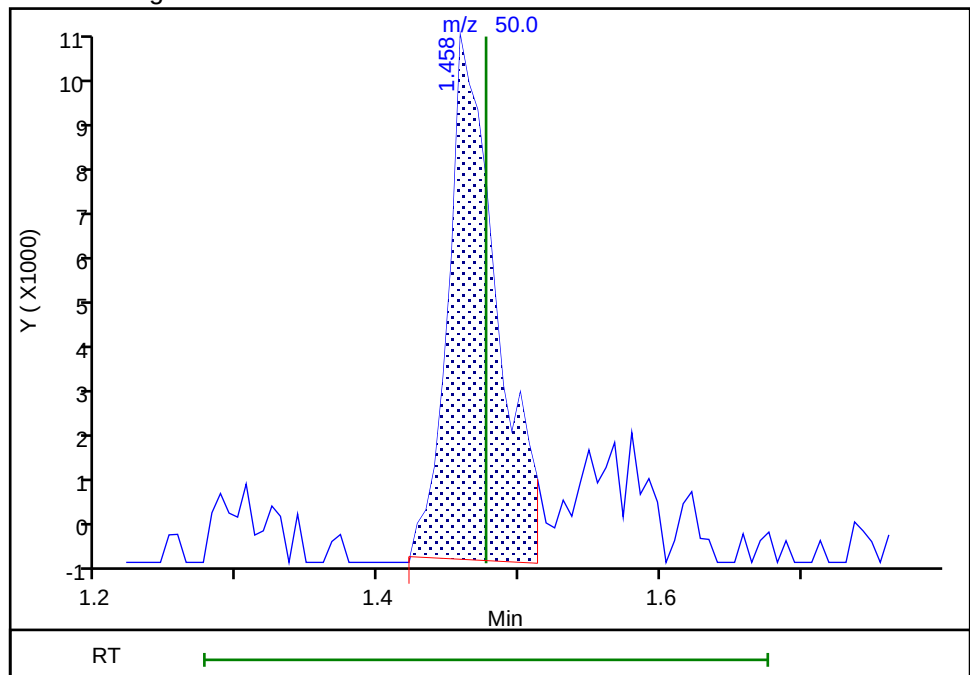
RT: 1.46
Area: 22511
Amount: 0.929024
Amount Units: ug/L

Processing Integration Results



RT: 1.46
Area: 24930
Amount: 0.983019
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:54:21

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

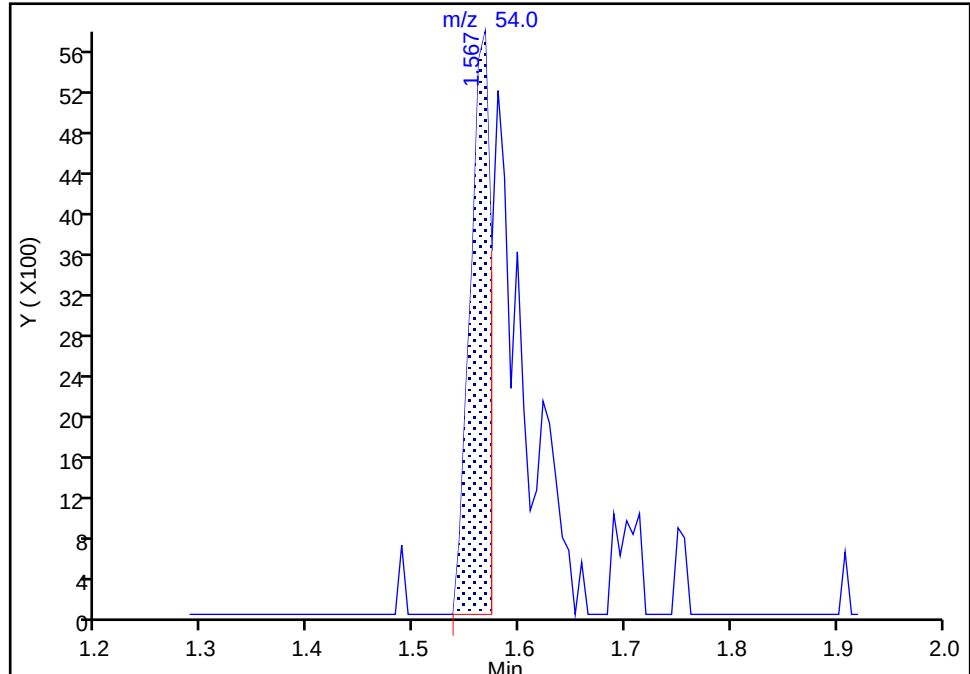
Detector: MS SCAN

144 Butadiene, CAS: 106-99-0

Signal: 1

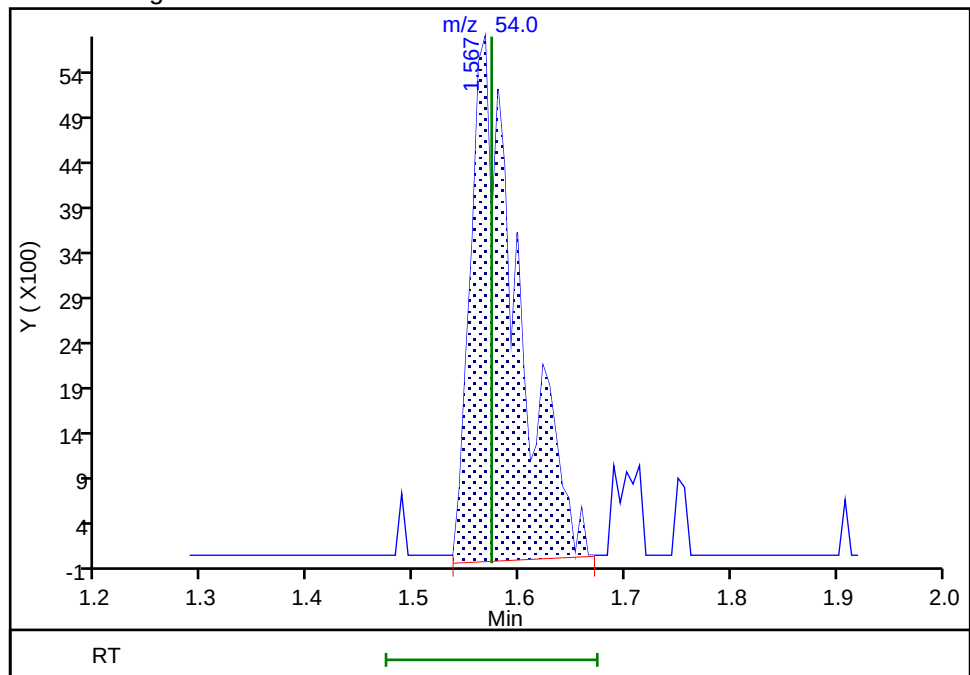
RT: 1.57
Area: 7705
Amount: 0.445989
Amount Units: ug/L

Processing Integration Results



RT: 1.57
Area: 17825
Amount: 0.854981
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:54:42

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

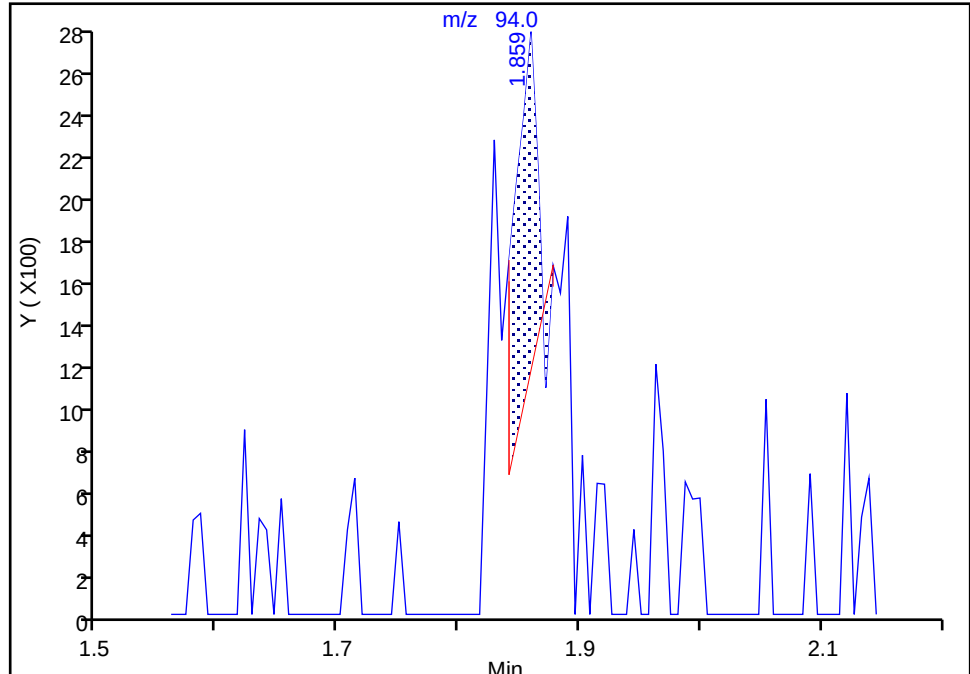
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D
Injection Date: 19-Jul-2018 15:53:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 42 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

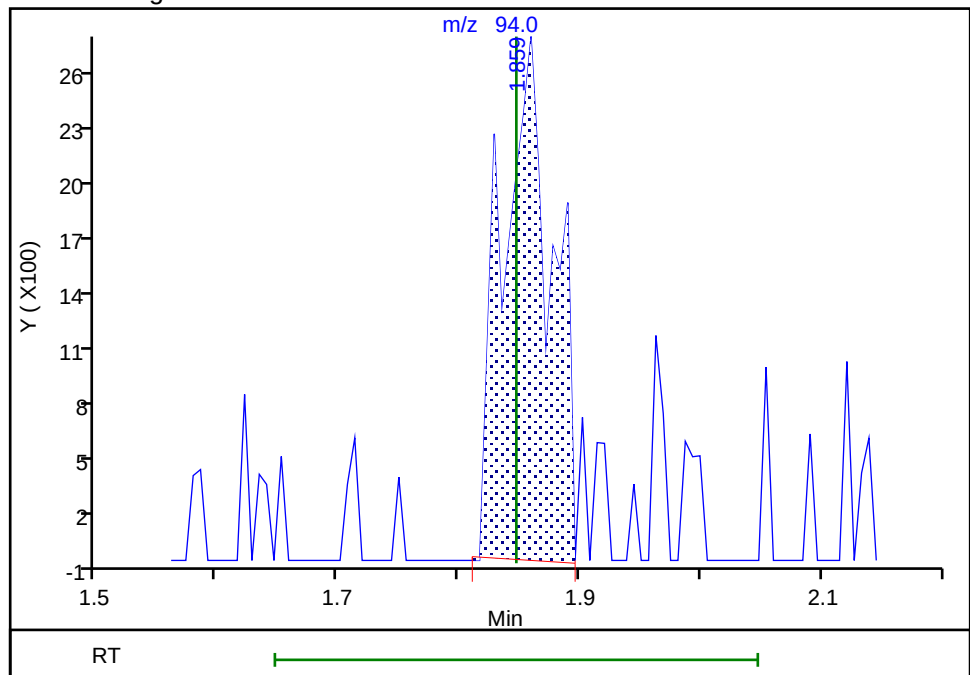
RT: 1.86
Area: 2037
Amount: 0.263202
Amount Units: ug/L

Processing Integration Results



RT: 1.86
Area: 7955
Amount: 0.916708
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:55:10
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

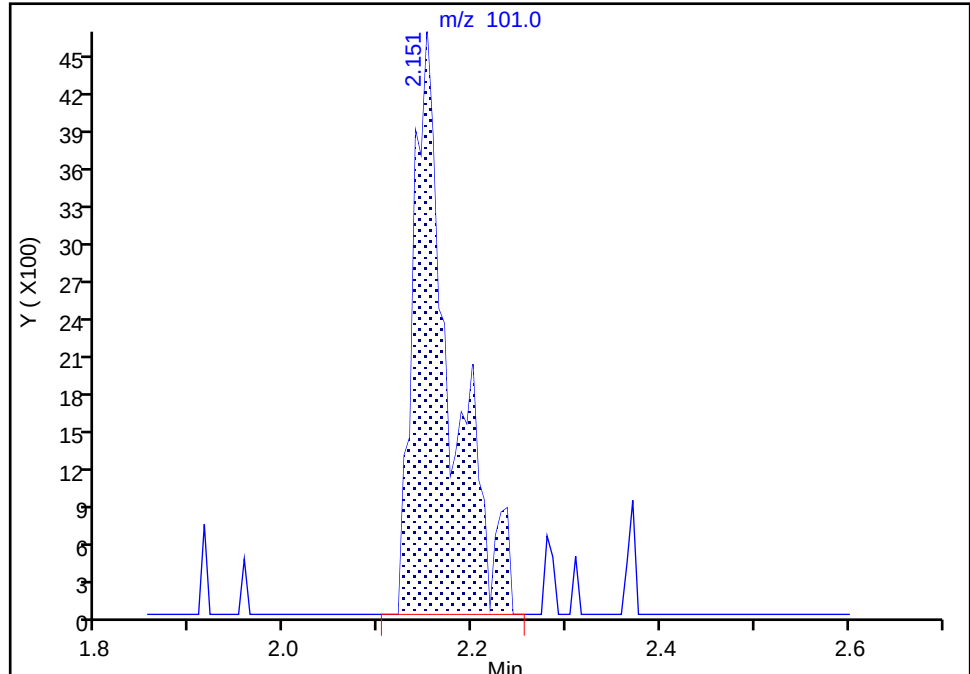
Detector: MS SCAN

18 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

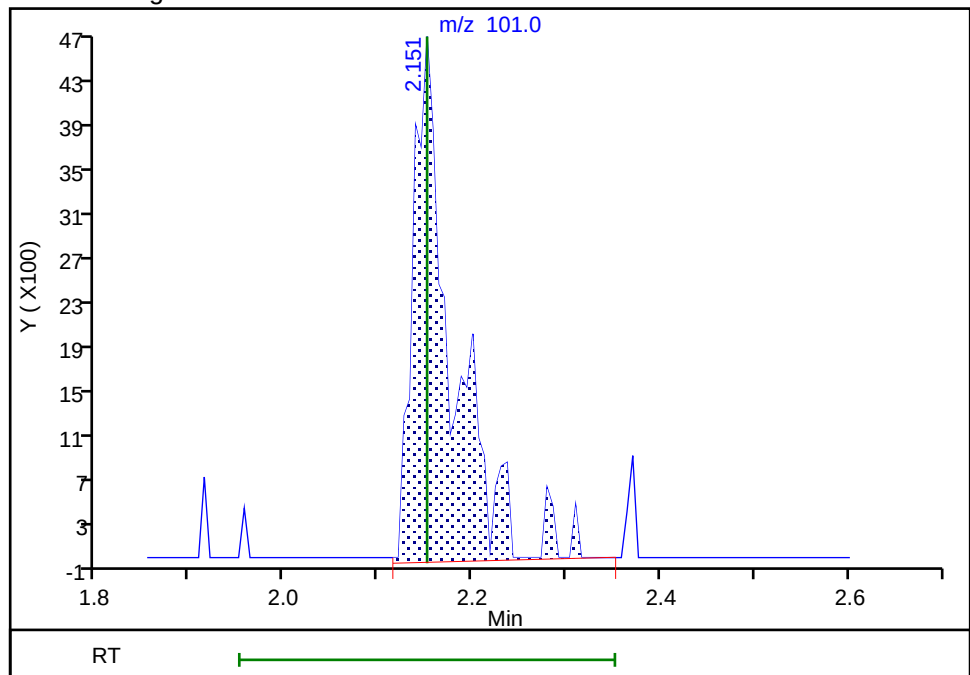
RT: 2.15
Area: 12748
Amount: 0.802921
Amount Units: ug/L

Processing Integration Results



RT: 2.15
Area: 13652
Amount: 0.852921
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:56:45

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

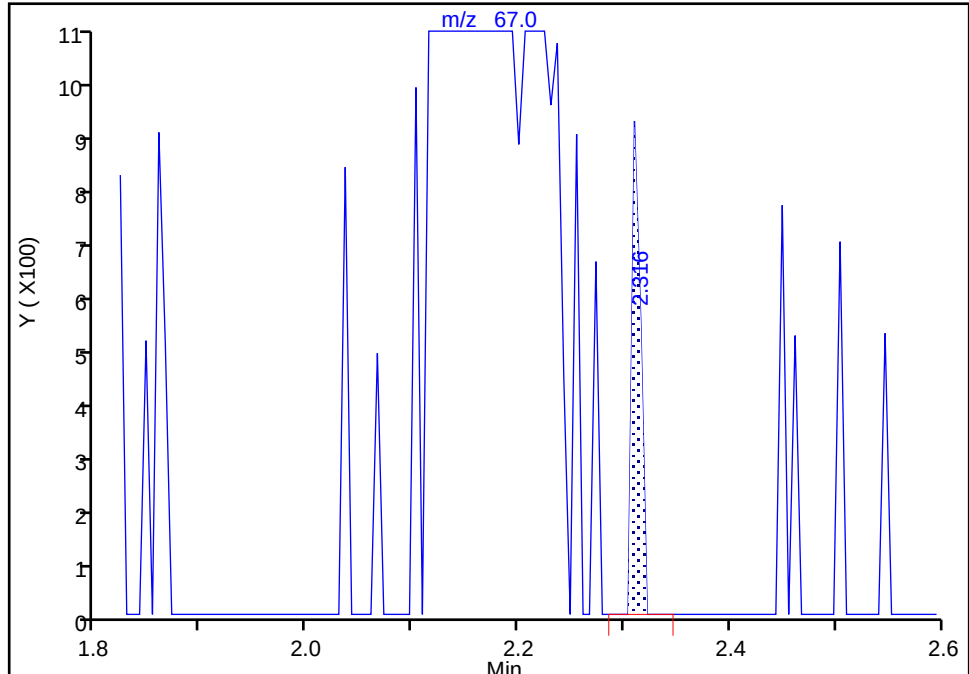
MS SCAN

17 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

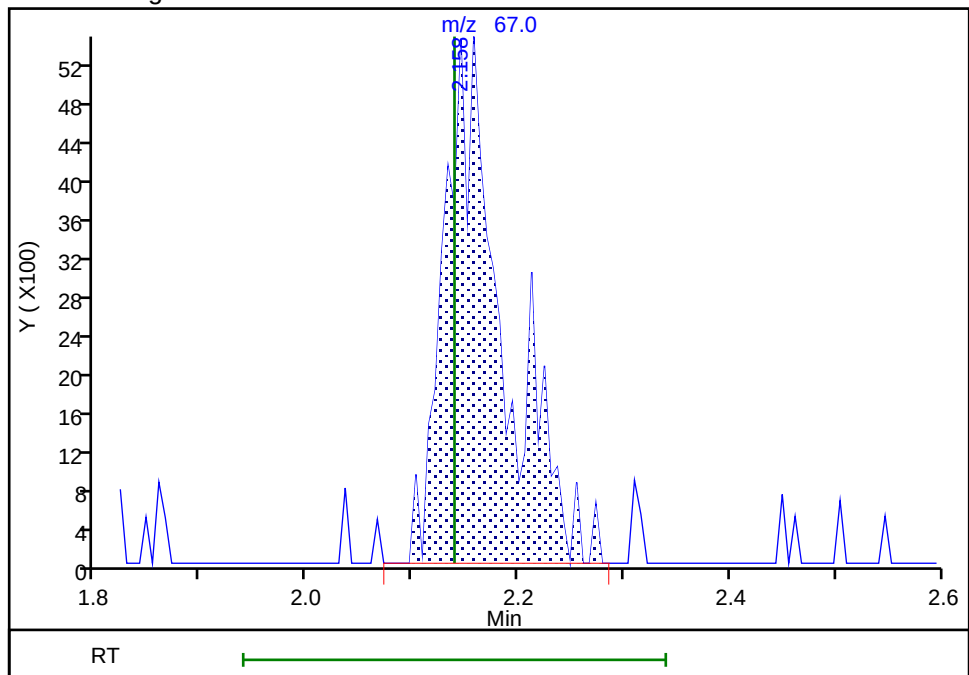
RT: 2.32
Area: 503
Amount: 0.028478
Amount Units: ug/L

Processing Integration Results



RT: 2.16
Area: 21168
Amount: 1.034690
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:55:34

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

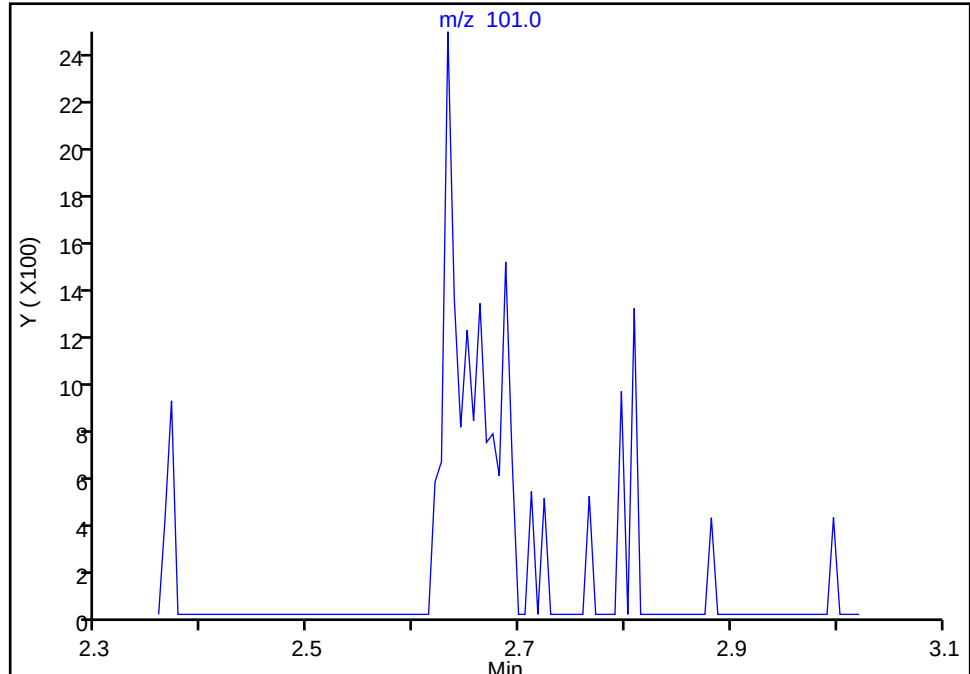
21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

Not Detected

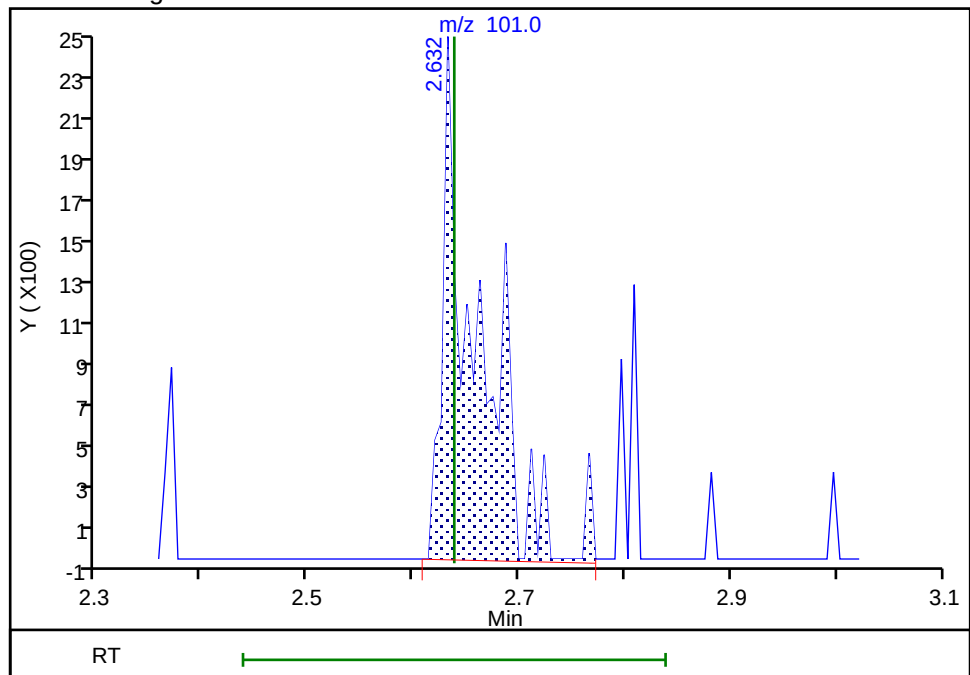
Expected RT: 2.64

Processing Integration Results



Manual Integration Results

RT: 2.63
Area: 5537
Amount: 0.744839
Amount Units: ug/L



Reviewer: HillL, 19-Jul-2018 21:58:24

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

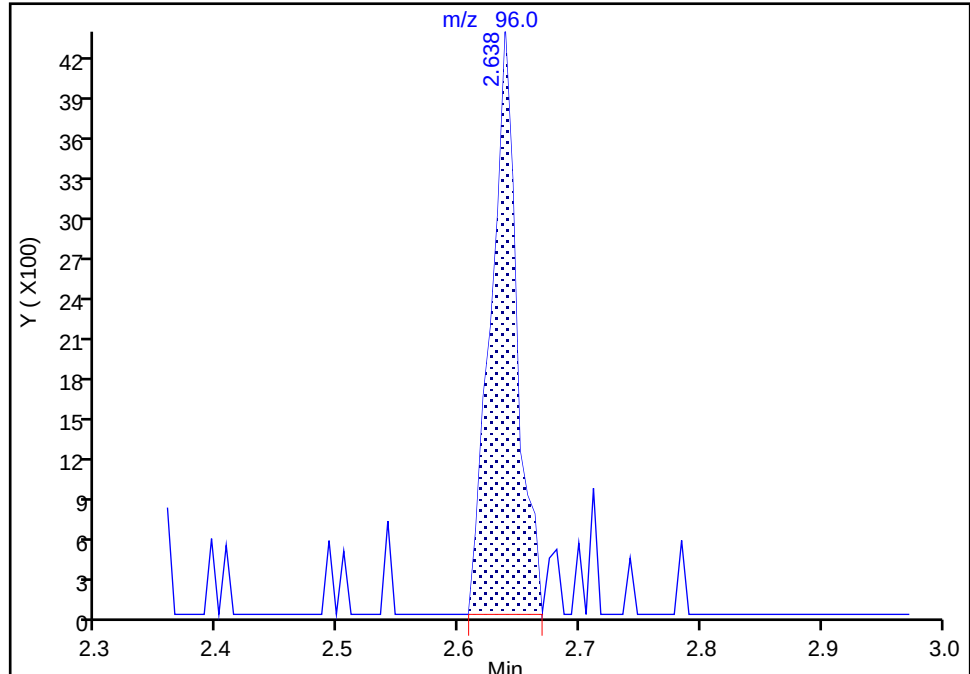
Detector: MS SCAN

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

Signal: 1

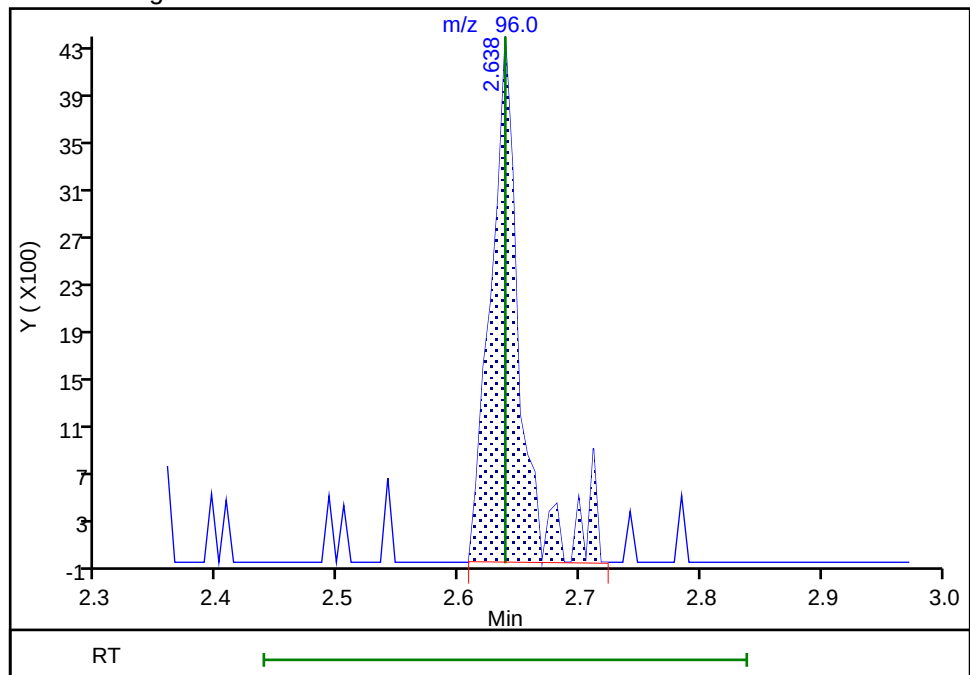
RT: 2.64
Area: 6512
Amount: 0.691771
Amount Units: ug/L

Processing Integration Results



RT: 2.64
Area: 7389
Amount: 0.748144
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:57:08

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

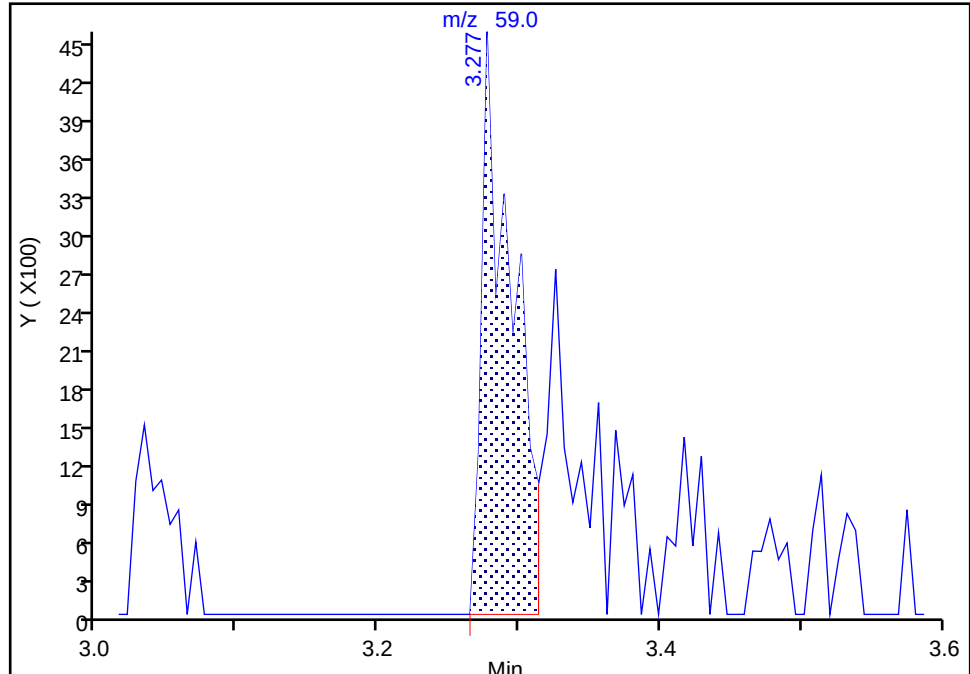
Detector: MS SCAN

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

Signal: 1

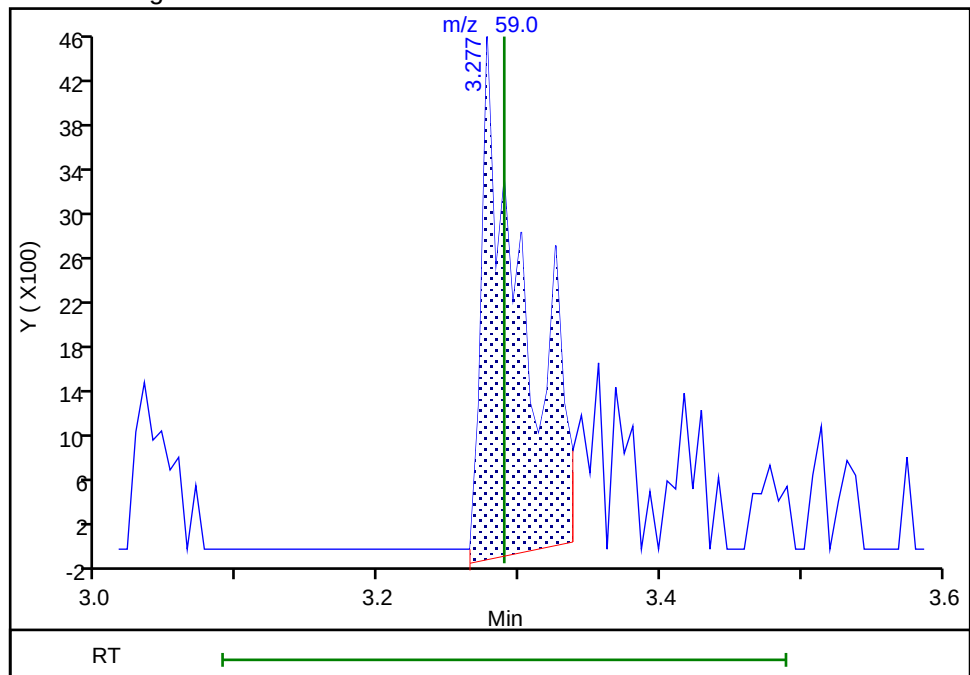
RT: 3.28
Area: 6834
Amount: 7.600556
Amount Units: ug/L

Processing Integration Results



RT: 3.28
Area: 9254
Amount: 9.598746
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:58:56

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

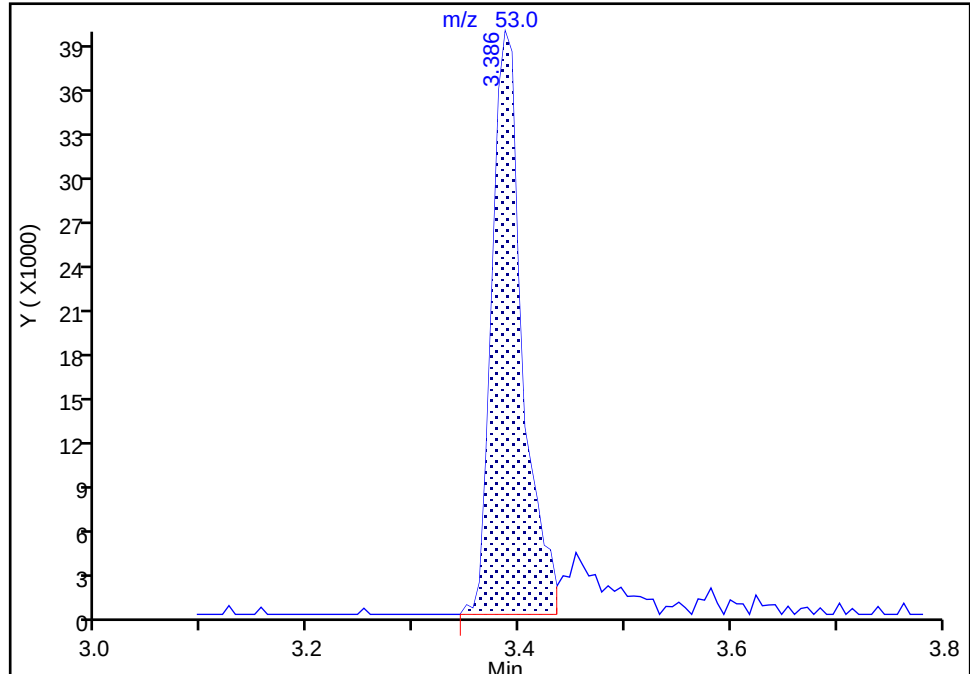
Detector: MS SCAN

34 Acrylonitrile, CAS: 107-13-1

Signal: 1

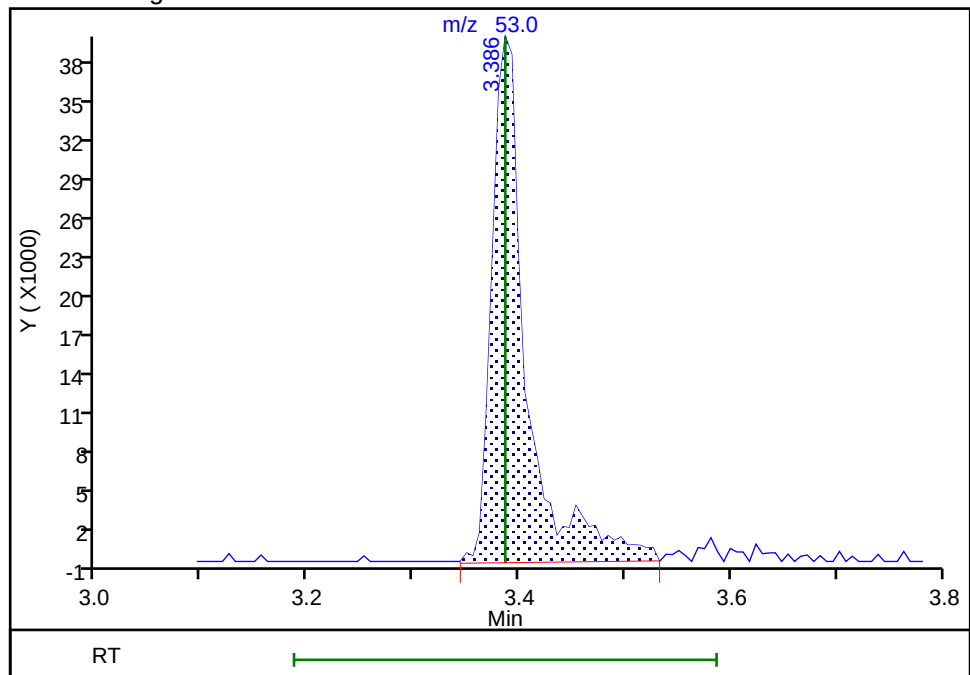
RT: 3.39
Area: 79137
Amount: 9.368748
Amount Units: ug/L

Processing Integration Results



RT: 3.39
Area: 90939
Amount: 10.581145
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:59:22

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

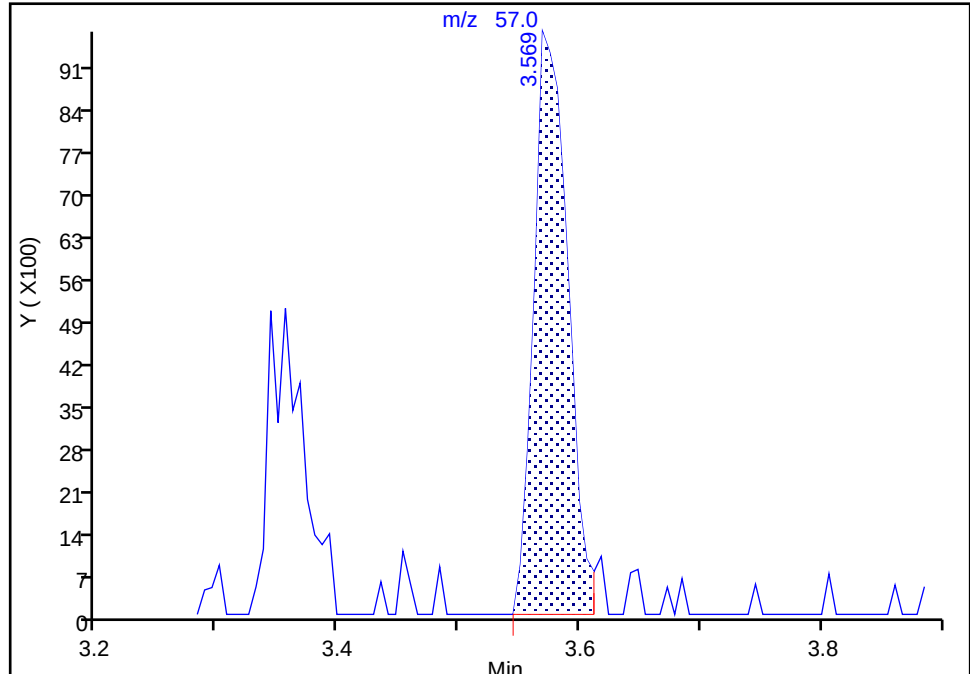
MS SCAN

35 Hexane, CAS: 110-54-3

Signal: 1

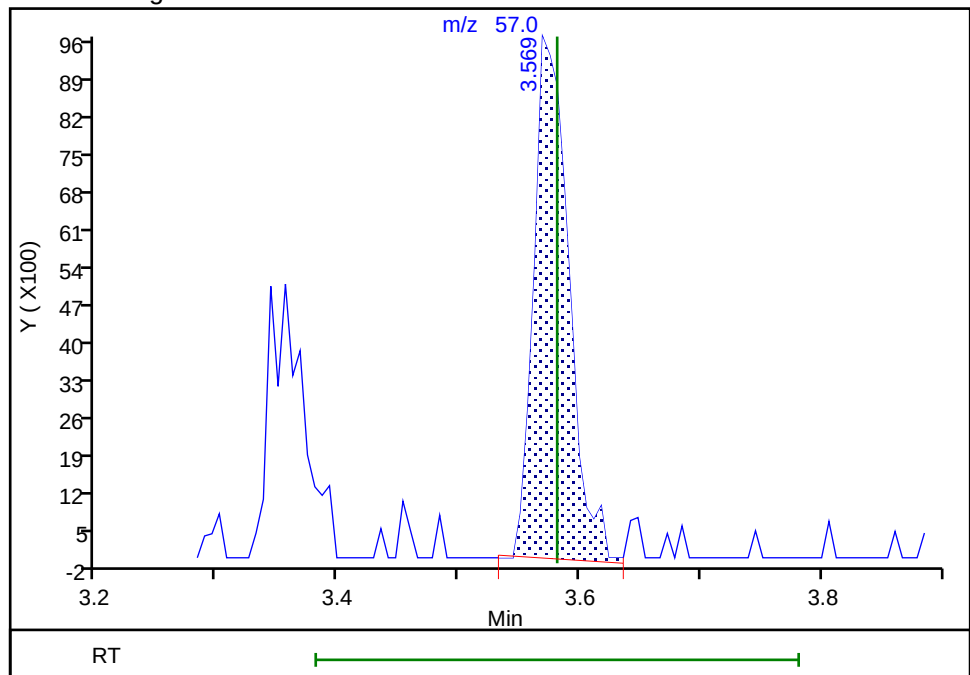
RT: 3.57
Area: 18789
Amount: 0.871101
Amount Units: ug/L

Processing Integration Results



RT: 3.57
Area: 19312
Amount: 0.776666
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 21:59:49

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

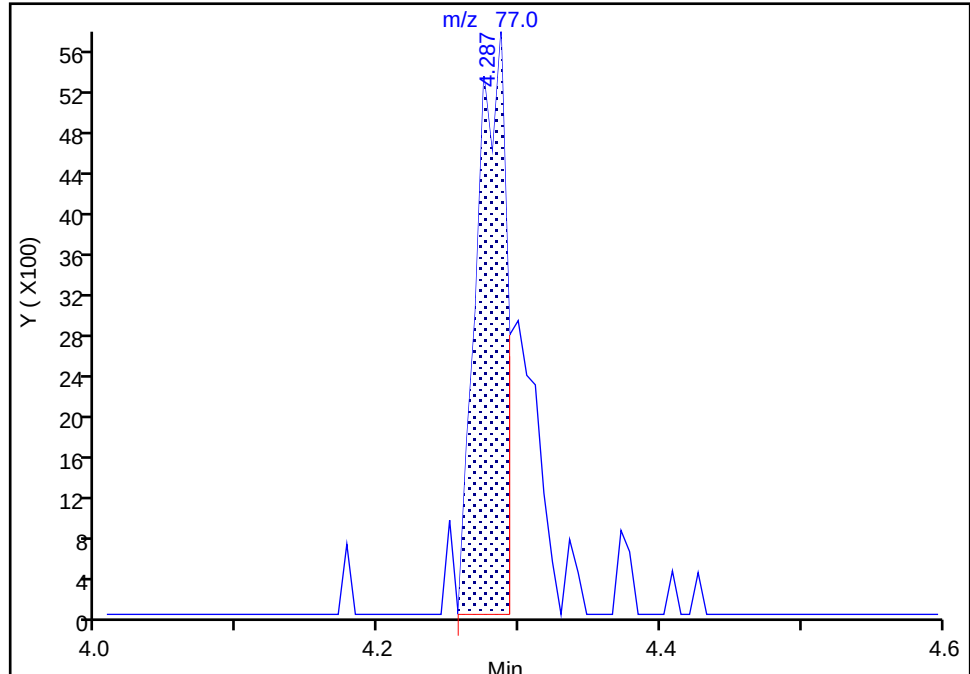
MS SCAN

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

Signal: 1

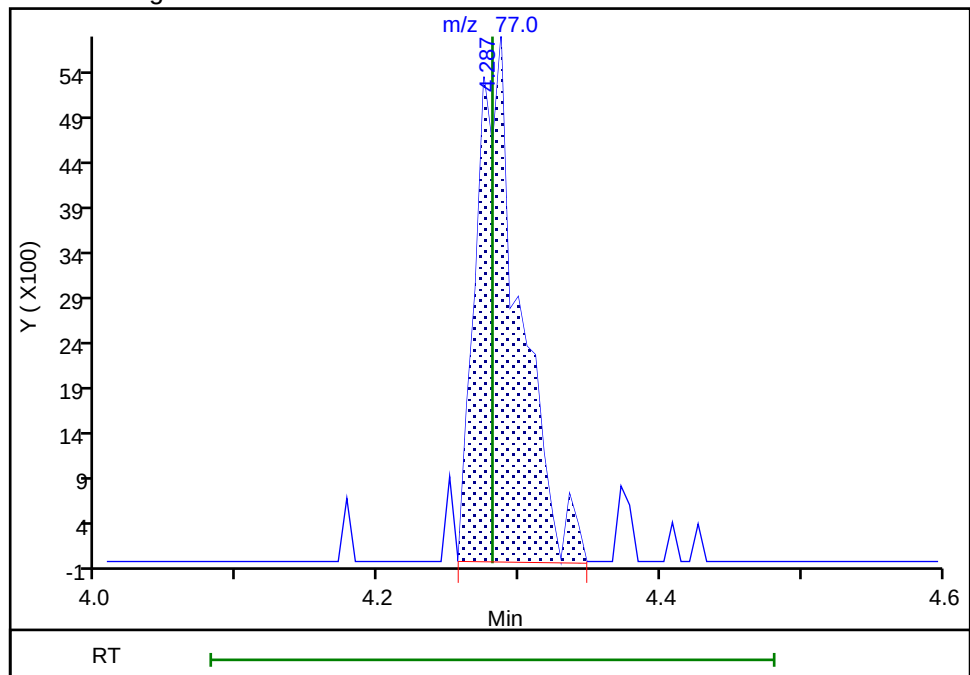
RT: 4.29
Area: 8411
Amount: 0.742972
Amount Units: ug/L

Processing Integration Results



RT: 4.29
Area: 12256
Amount: 0.892820
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:00:21

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Data File:	\\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D		
Injection Date:	19-Jul-2018 15:53:30	Instrument ID:	HP5973N
Lims ID:	IC		
Client ID:			
Operator ID:	LH	ALS Bottle#:	42
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	N-8260	Limit Group:	MV - 8260C
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

ALS Bottle#:	42	Worklist Smp#:	8
Dil. Factor:	1.0000		
Limit Group:	MV - 8260C ICAL		
Detector	MS SCAN		

Signal: 1

RT: 4.35
Area: 42506
Amount: 4.277695
Amount Units: ug/L

RT: 4.35
Area: 50342
Amount: 4.793394
Amount Units: ug/L

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

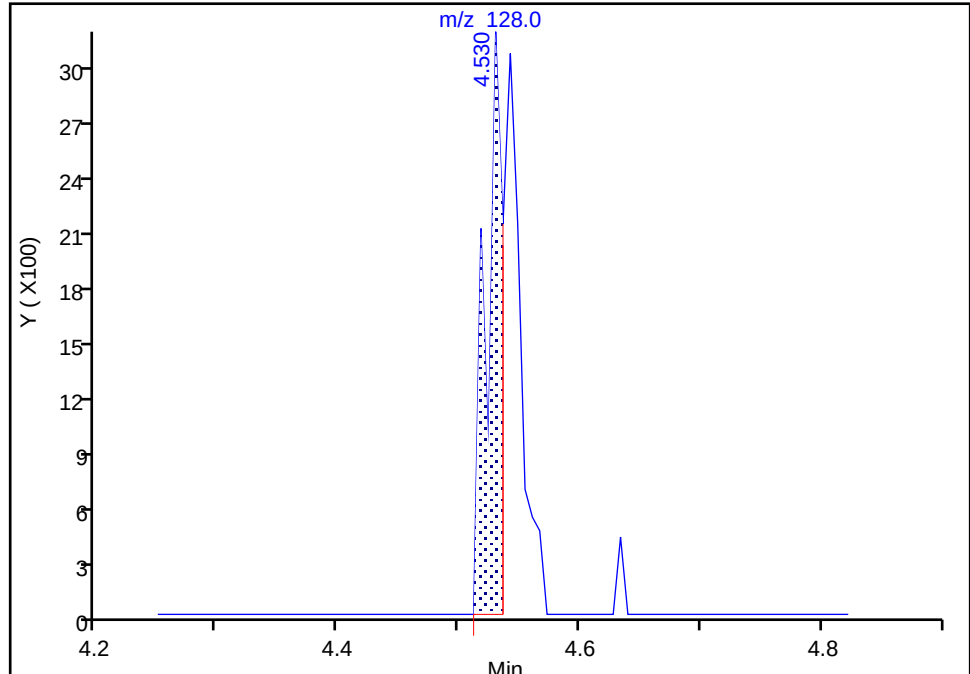
Detector: MS SCAN

47 Chlorobromomethane, CAS: 74-97-5

Signal: 1

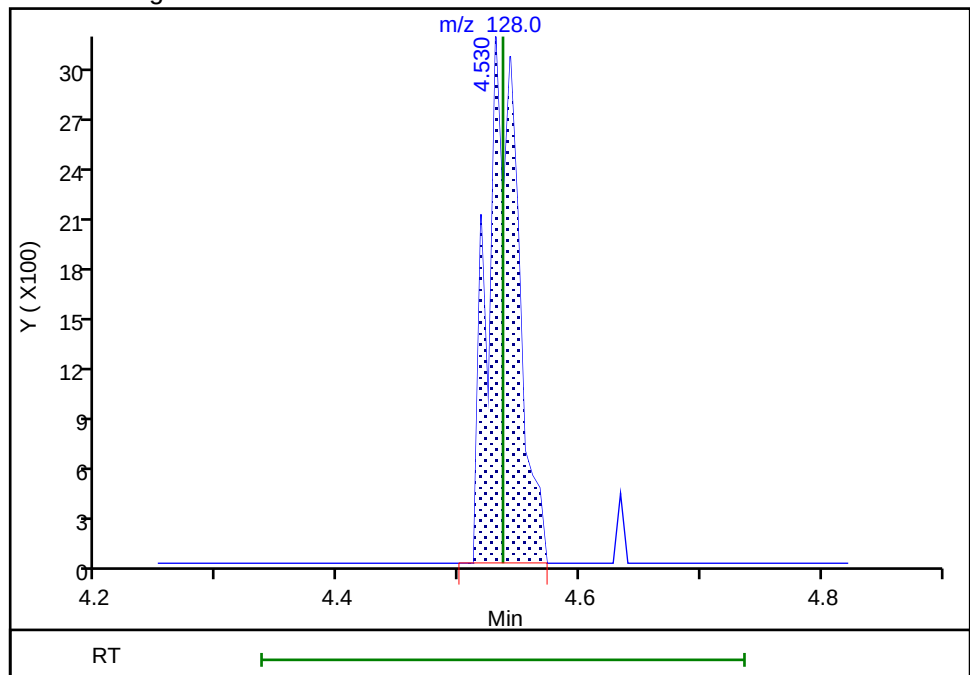
RT: 4.53
Area: 3055
Amount: 0.603811
Amount Units: ug/L

Processing Integration Results



RT: 4.53
Area: 5561
Amount: 0.867083
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:01:25

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

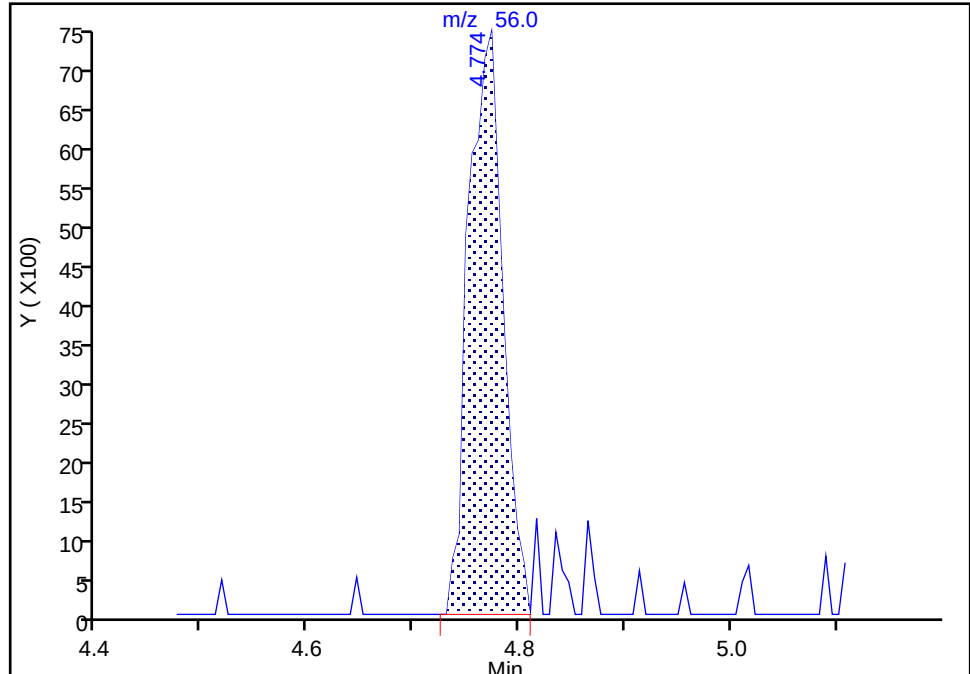
Detector: MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

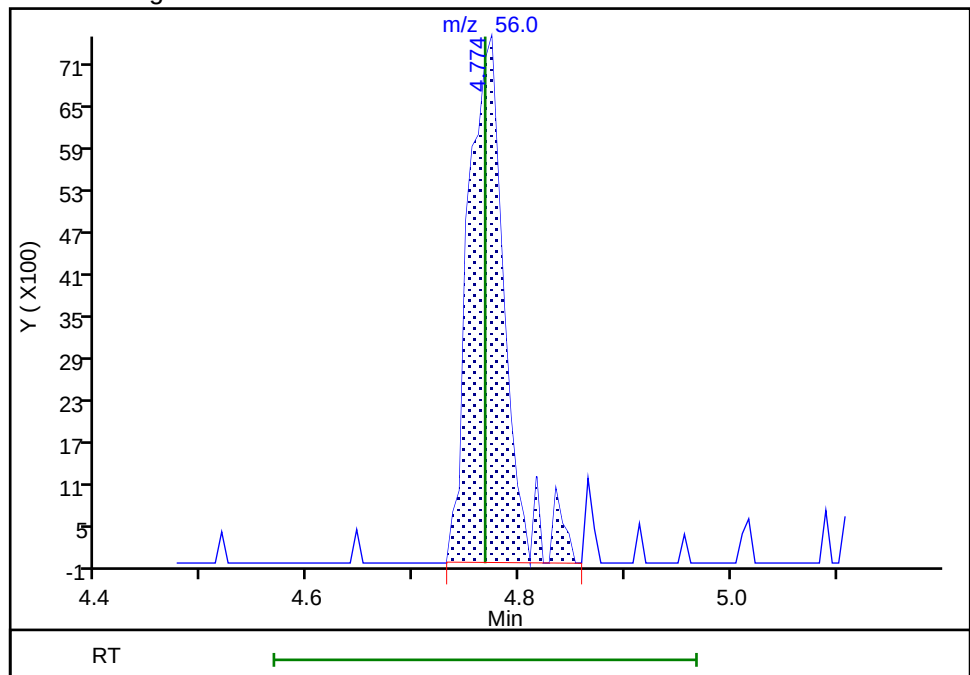
RT: 4.77
Area: 16705
Amount: 0.642158
Amount Units: ug/L

Processing Integration Results



RT: 4.77
Area: 17845
Amount: 0.869547
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:29:09

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

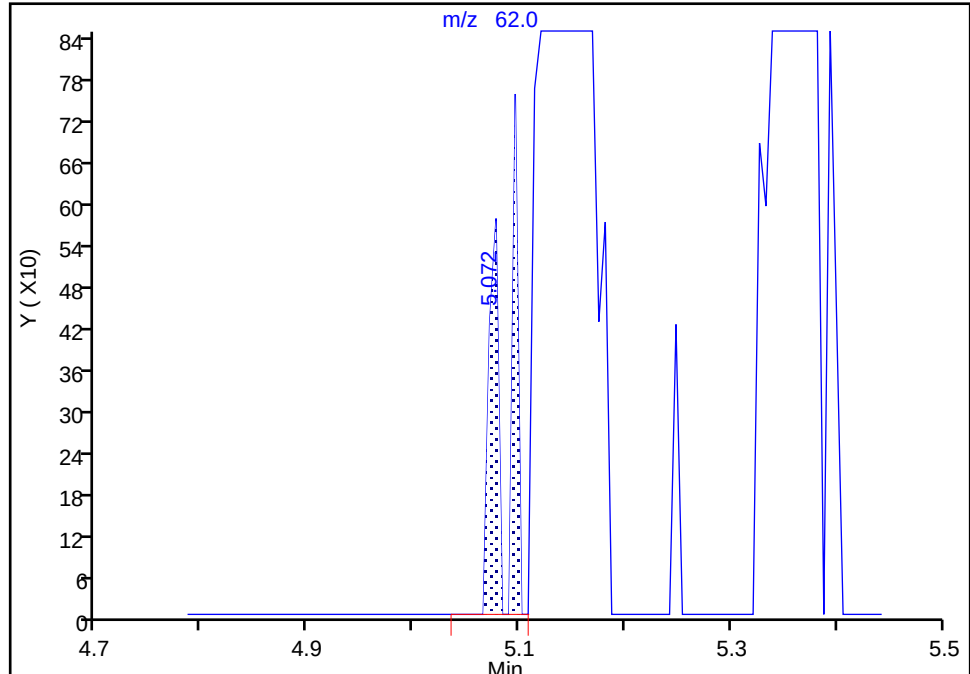
Detector: MS SCAN

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

Signal: 1

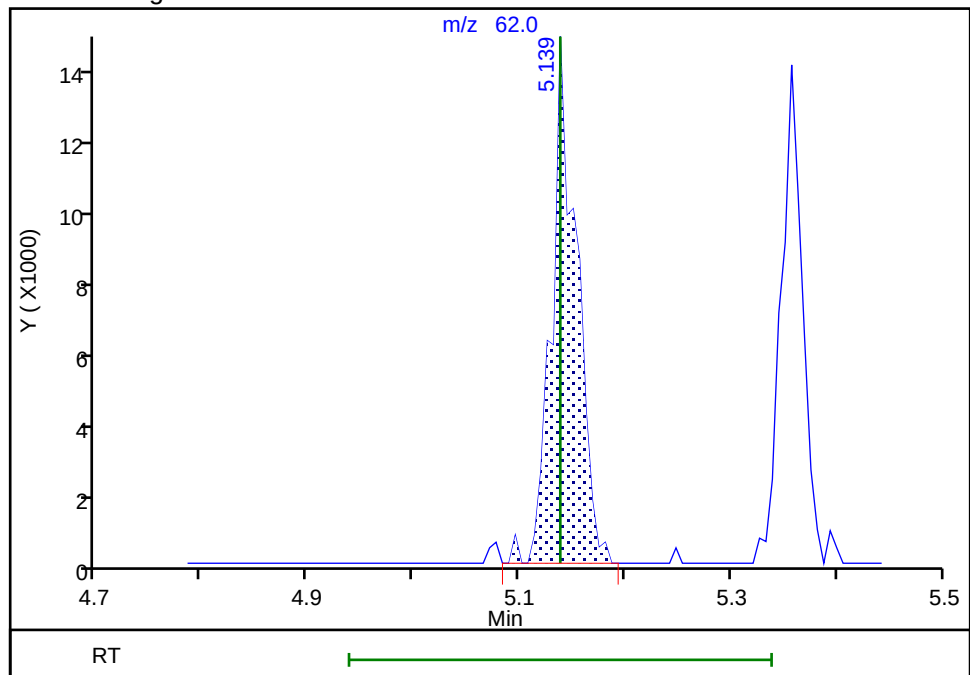
RT: 5.07
Area: 637
Amount: 0.166477
Amount Units: ug/L

Processing Integration Results



RT: 5.14
Area: 23568
Amount: 1.102830
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:01:42

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

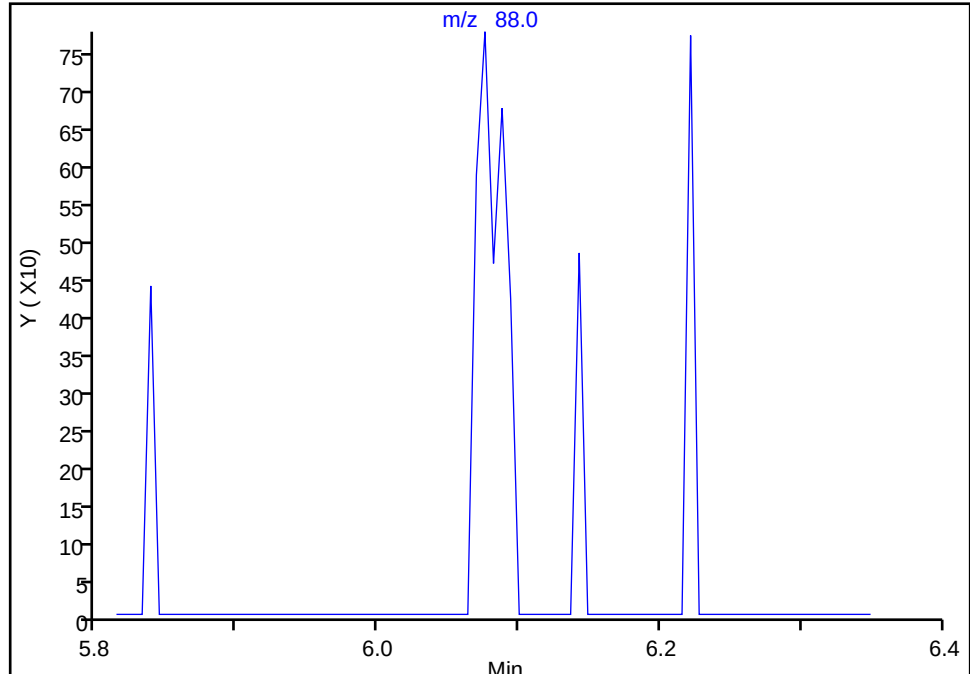
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D
Injection Date: 19-Jul-2018 15:53:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 42 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

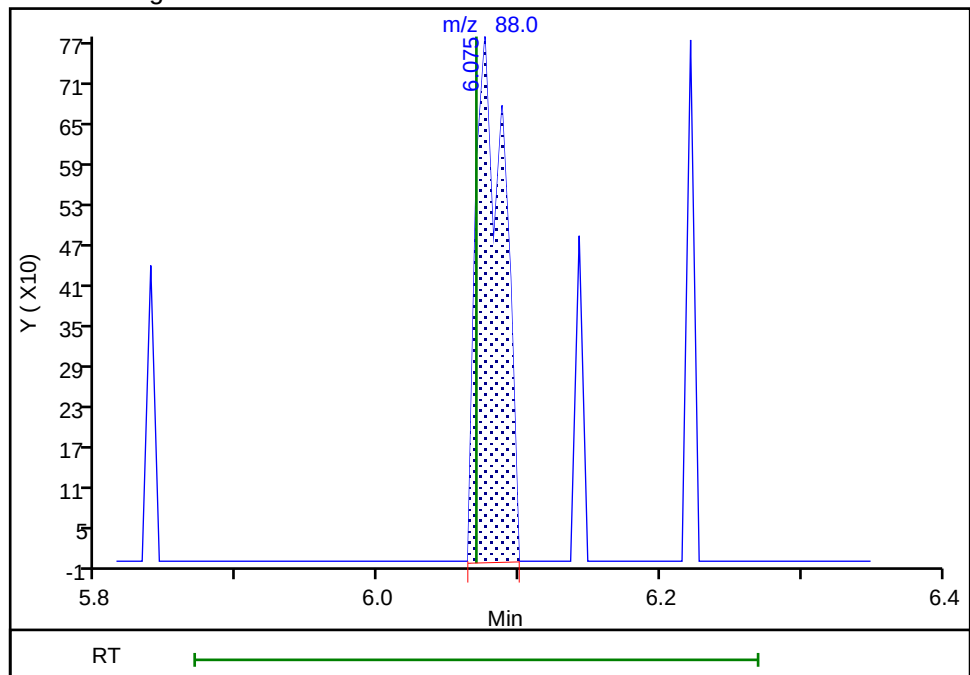
Not Detected
Expected RT: 6.07

Processing Integration Results



Manual Integration Results

RT: 6.08
Area: 1073
Amount: 9.550152
Amount Units: ug/L



Reviewer: HillL, 19-Jul-2018 22:02:10
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

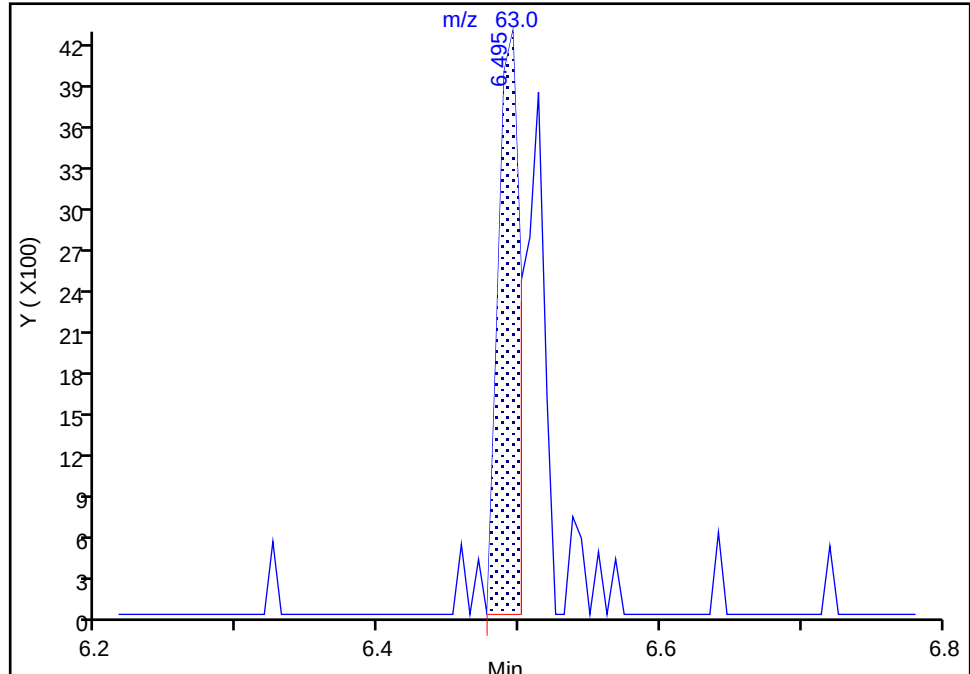
MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

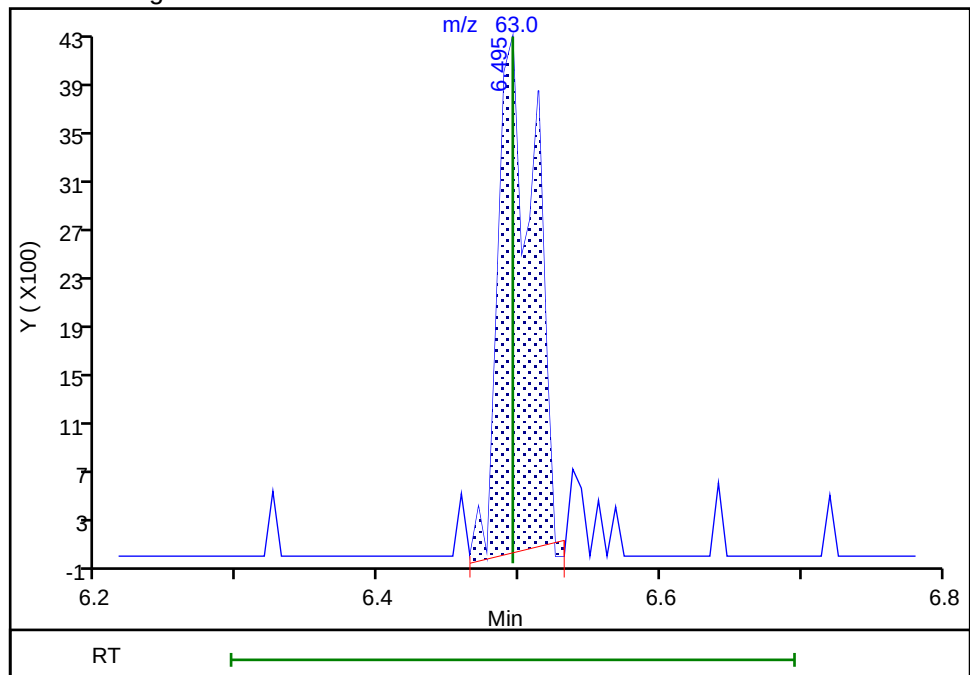
RT: 6.50
Area: 4558
Amount: 0.738971
Amount Units: ug/L

Processing Integration Results



RT: 6.50
Area: 7520
Amount: 0.809690
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:02:43

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

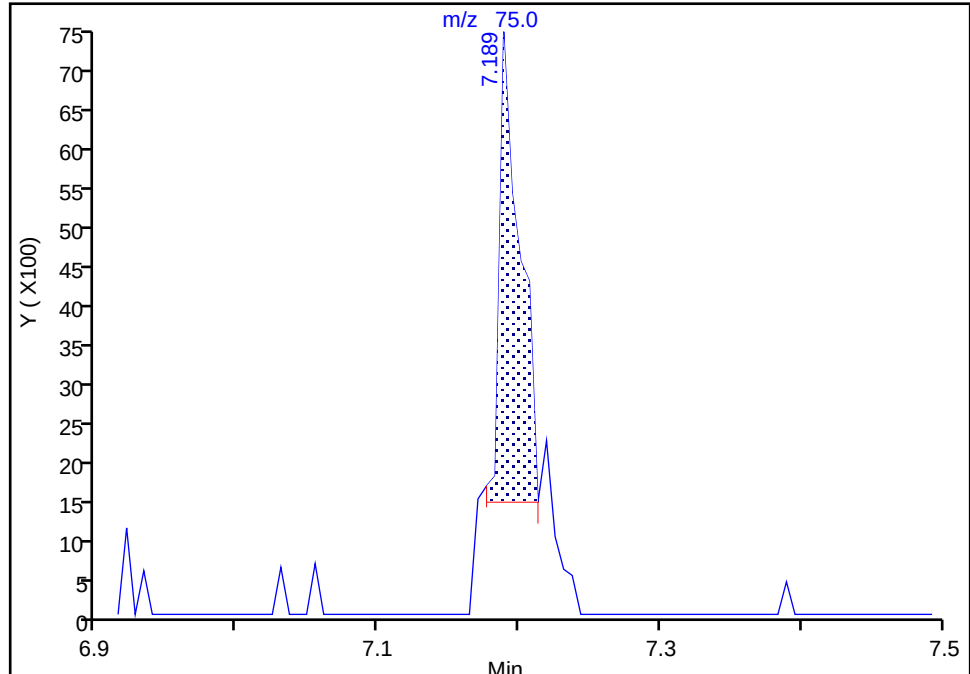
MS SCAN

75 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

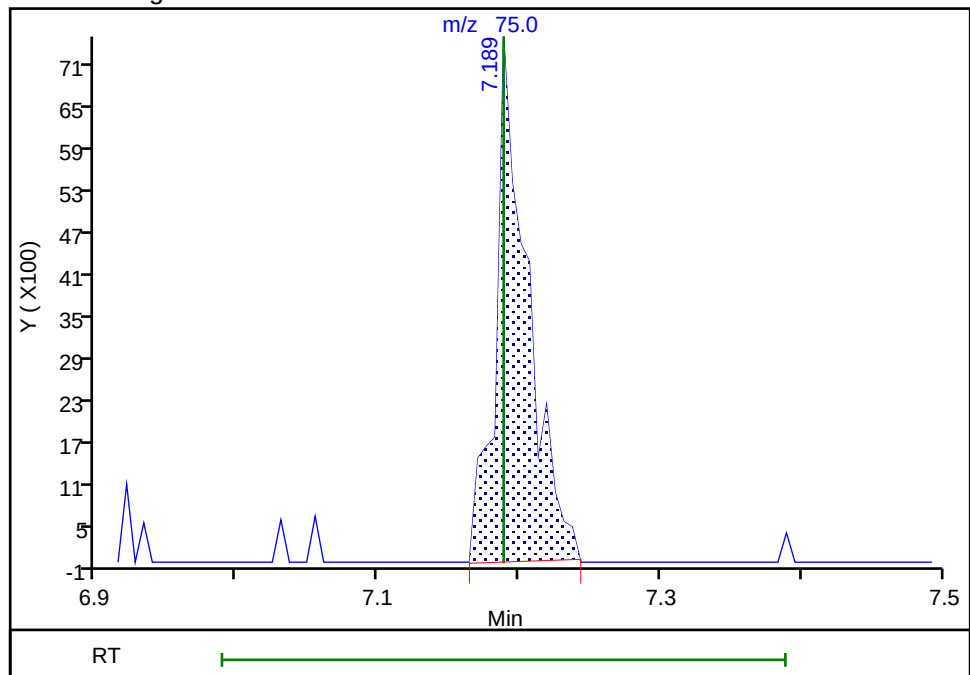
RT: 7.19
Area: 6000
Amount: 0.743391
Amount Units: ug/L

Processing Integration Results



RT: 7.19
Area: 11710
Amount: 0.851157
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:03:17

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

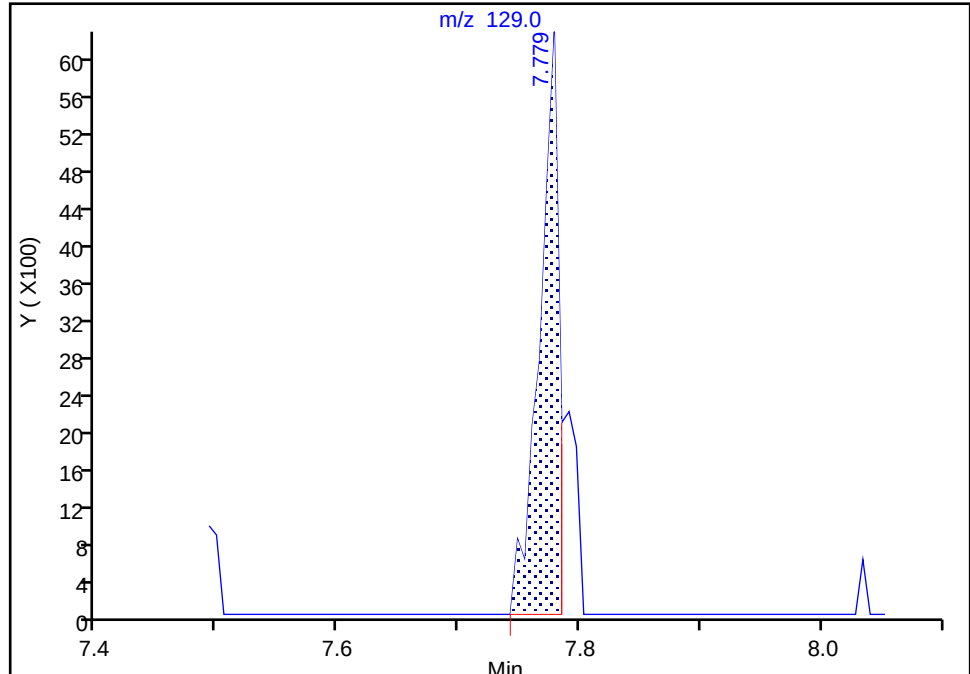
MS SCAN

83 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

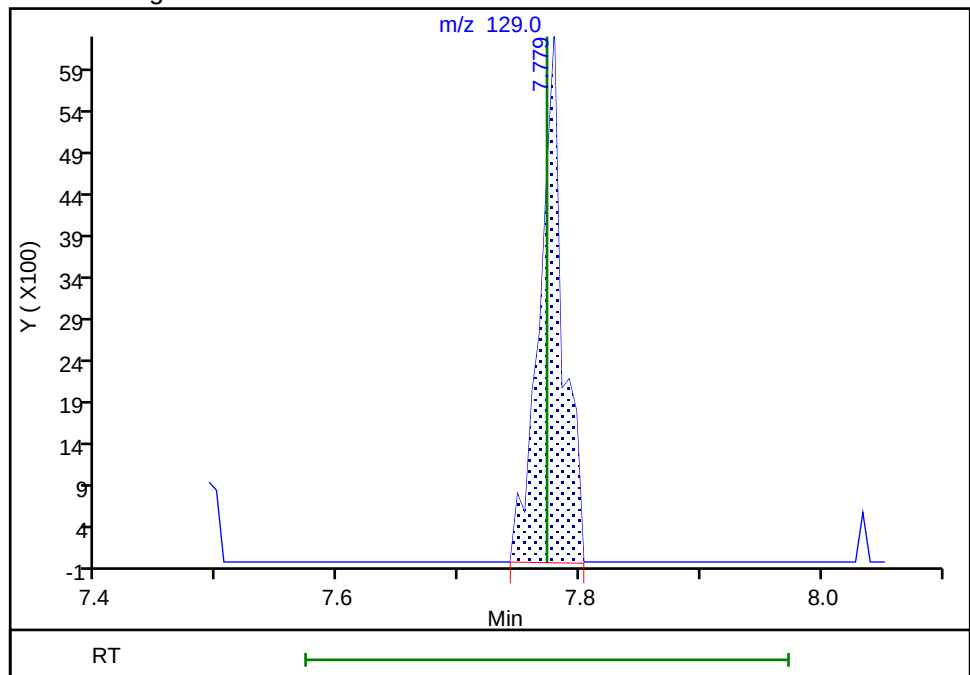
RT: 7.78
Area: 6984
Amount: 0.888859
Amount Units: ug/L

Processing Integration Results



RT: 7.78
Area: 8470
Amount: 0.849505
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:03:37

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1649.D

Injection Date: 19-Jul-2018 15:53:30

Instrument ID: HP5973N

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

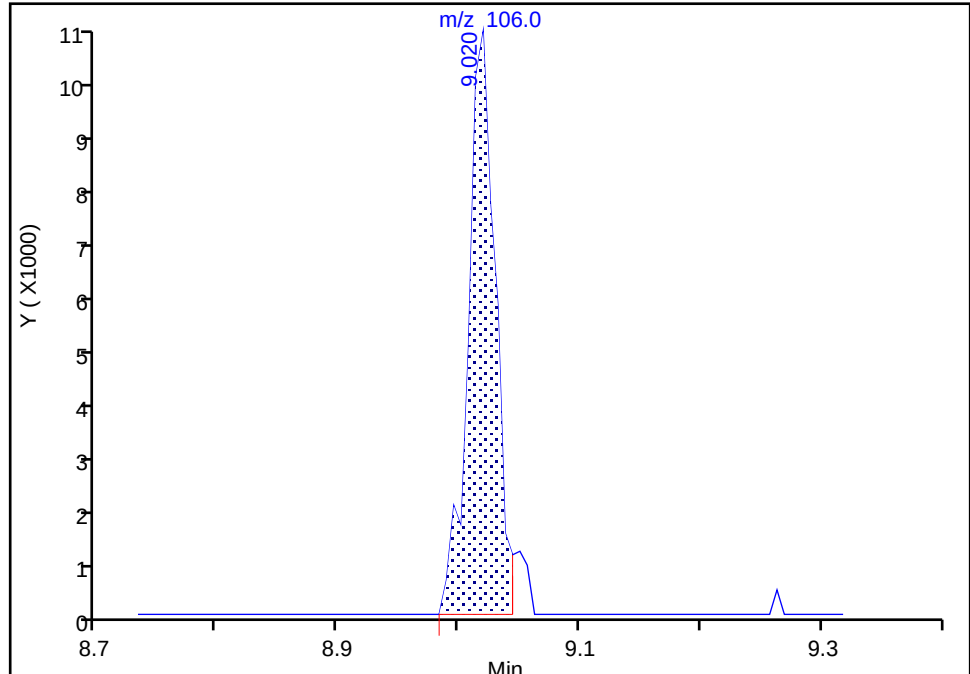
Detector: MS SCAN

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

Signal: 1

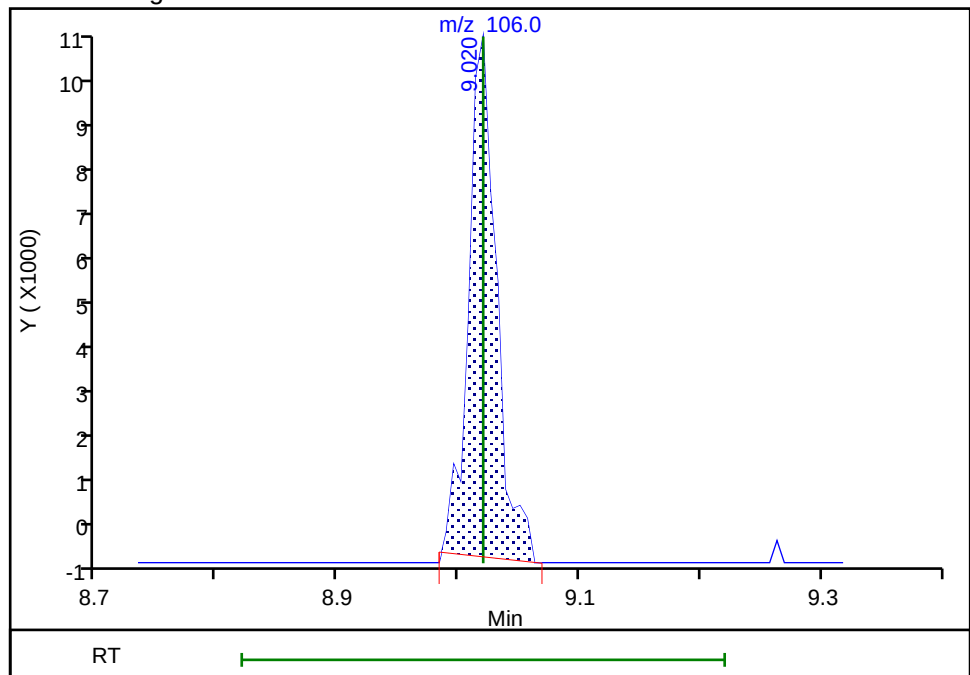
RT: 9.02
Area: 16764
Amount: 0.884614
Amount Units: ug/L

Processing Integration Results



RT: 9.02
Area: 16960
Amount: 0.893801
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:03:59

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1650.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 19-Jul-2018 16:20:30 ALS Bottle#: 43 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0073222-009
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 20-Jul-2018 13:44:48 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: HillL

Date: 19-Jul-2018 22:09:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.357	0.001	98	187178	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.338	0.001	90	698145	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.741	0.001	95	376313	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.768	4.767	0.001	95	244380	25.0	25.6	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	329719	25.0	26.0	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	938672	25.0	25.3	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	91	313570	25.0	25.1	
11 Dichlorodifluoromethane	85	1.294	1.294	0.000	95	22303	2.00	1.99	
13 Chloromethane	50	1.470	1.476	-0.006	99	54265	2.00	2.24	M
14 Vinyl chloride	62	1.549	1.549	0.000	67	34292	2.00	2.09	
144 Butadiene	54	1.568	1.574	-0.006	94	42376	2.00	2.13	M
15 Bromomethane	94	1.847	1.847	0.000	86	20036	2.00	2.42	
16 Chloroethane	64	1.939	1.945	-0.006	81	22618	2.00	2.43	
17 Dichlorofluoromethane	67	2.146	2.139	0.007	90	44505	2.00	2.28	
18 Trichlorofluoromethane	101	2.146	2.151	-0.005	79	35652	2.00	2.34	
19 Ethyl ether	59	2.431	2.431	0.000	90	31043	2.00	2.12	
20 Acrolein	56	2.584	2.583	0.001	97	32659	10.0	12.0	
21 1,1,2-Trichloro-1,2,2-trif	101	2.638	2.638	0.000	44	19450	2.00	2.28	
22 1,1-Dichloroethene	96	2.644	2.638	0.006	91	22190	2.00	2.36	
23 Acetone	43	2.742	2.735	0.007	97	55585	10.0	10.4	
24 Iodomethane	142	2.784	2.784	0.000	96	40508	2.00	2.30	
25 Carbon disulfide	76	2.827	2.833	-0.006	97	56111	2.00	1.97	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	86	58985	2.00	2.09	
28 Methyl acetate	43	3.040	3.034	0.006	99	75224	4.00	4.06	a
30 Methylene Chloride	84	3.119	3.125	-0.006	94	31158	2.00	2.47	
31 2-Methyl-2-propanol	59	3.295	3.289	0.006	90	19637	20.0	21.4	M
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	90	76778	2.00	2.26	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	84	25981	2.00	2.29	
34 Acrylonitrile	53	3.387	3.386	0.001	99	182051	20.0	22.2	
35 Hexane	57	3.575	3.581	-0.006	96	51263	2.00	2.16	

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	3.764	3.764	0.000	97	55016	2.00	2.33	
39 Vinyl acetate	43	3.819	3.818	0.001	97	155805	4.00	4.24	
42 2,2-Dichloropropane	77	4.281	4.281	0.000	80	29397	2.00	2.25	
43 cis-1,2-Dichloroethene	96	4.305	4.305	0.000	87	28369	2.00	2.19	
44 2-Butanone (MEK)	43	4.342	4.335	0.007	96	105426	10.0	10.5	
47 Chlorobromomethane	128	4.530	4.536	-0.006	90	13896	2.00	2.27	
49 Tetrahydrofuran	42	4.579	4.567	0.012	93	30398	4.00	4.36	
50 Chloroform	83	4.615	4.615	0.000	96	47673	2.00	2.35	
51 1,1,1-Trichloroethane	97	4.743	4.743	0.000	95	34234	2.00	2.24	
52 Cyclohexane	56	4.768	4.767	0.001	42	55687	2.00	2.32	
53 Carbon tetrachloride	117	4.883	4.889	-0.006	87	32394	2.00	2.32	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	84	34877	2.00	2.35	
56 Isobutyl alcohol	43	5.090	5.090	0.000	47	44730	50.0	52.0	
55 Benzene	78	5.090	5.090	0.000	95	98609	2.00	2.20	
57 1,2-Dichloroethane	62	5.145	5.139	0.007	95	45781	2.00	2.25	
59 n-Heptane	43	5.303	5.303	0.000	95	61305	2.00	2.11	
60 Trichloroethene	95	5.698	5.698	0.000	90	26091	2.00	2.33	
62 Methylcyclohexane	83	5.838	5.838	0.000	95	42367	2.00	2.16	
63 1,2-Dichloropropane	63	5.930	5.929	0.001	87	30645	2.00	2.30	
64 Dibromomethane	93	6.057	6.057	0.000	94	16916	2.00	2.36	
66 1,4-Dioxane	88	6.082	6.069	0.013	50	3378	40.0	30.1	
67 Dichlorobromomethane	83	6.209	6.209	0.000	94	29872	2.00	2.15	
69 2-Chloroethyl vinyl ether	63	6.501	6.495	0.006	88	19379	2.00	2.19	
71 cis-1,3-Dichloropropene	75	6.629	6.629	0.000	84	31751	2.00	2.09	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	98	72808	10.0	10.3	
73 Toluene	92	6.927	6.933	-0.006	97	59572	2.00	2.24	
75 trans-1,3-Dichloropropene	75	7.189	7.189	0.000	85	25818	2.00	1.88	
77 Ethyl methacrylate	69	7.256	7.256	0.000	90	24611	2.00	1.94	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	92	17649	2.00	2.06	
79 Tetrachloroethene	166	7.475	7.475	0.000	91	26483	2.00	2.20	
80 1,3-Dichloropropane	76	7.536	7.542	-0.006	88	37195	2.00	2.23	
82 2-Hexanone	43	7.621	7.615	0.006	99	144788	10.0	10.2	
83 Chlorodibromomethane	129	7.779	7.773	0.006	88	19246	2.00	1.93	
84 Ethylene Dibromide	107	7.882	7.876	0.006	98	21234	2.00	1.97	
85 Chlorobenzene	112	8.369	8.369	0.000	95	68921	2.00	2.20	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	43	22683	2.00	2.14	
88 Ethylbenzene	91	8.472	8.472	0.000	98	105670	2.00	2.18	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	41091	2.00	2.14	
91 o-Xylene	106	9.020	9.020	0.000	97	39064	2.00	2.06	
92 Styrene	104	9.044	9.044	0.000	94	63498	2.00	2.04	
93 Bromoform	173	9.269	9.269	0.000	93	13711	2.00	2.01	
95 Isopropylbenzene	105	9.409	9.409	0.000	96	97131	2.00	2.02	
97 Bromobenzene	156	9.744	9.744	0.000	97	31193	2.00	2.27	
98 1,1,2,2-Tetrachloroethane	83	9.780	9.780	0.000	95	29975	2.00	2.08	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	57	8498	2.00	1.82	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.829	0.006	37	7304	2.00	2.13	
100 N-Propylbenzene	91	9.841	9.841	0.000	98	121546	2.00	2.20	
102 2-Chlorotoluene	126	9.939	9.938	0.001	96	28183	2.00	2.23	
104 1,3,5-Trimethylbenzene	105	10.024	10.018	0.006	95	81629	2.00	2.07	
105 4-Chlorotoluene	91	10.048	10.048	0.000	98	86898	2.00	2.26	
106 tert-Butylbenzene	134	10.334	10.340	-0.006	96	18934	2.00	2.08	
108 1,2,4-Trimethylbenzene	105	10.389	10.395	-0.006	96	86575	2.00	2.15	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	95	113057	2.00	2.15	
110 1,3-Dichlorobenzene	146	10.681	10.675	0.006	96	53760	2.00	2.18	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	98	100105	2.00	2.13	
113 1,4-Dichlorobenzene	146	10.766	10.760	0.006	94	56214	2.00	2.19	
115 n-Butylbenzene	91	11.082	11.082	0.000	97	86871	2.00	2.18	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	96	48362	2.00	2.03	
117 1,2-Dibromo-3-Chloropropan	75	11.843	11.837	0.006	72	5051	2.00	2.22	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	95	32695	2.00	1.97	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	95	19660	2.00	2.41	
121 Naphthalene	128	12.743	12.737	0.006	96	82030	2.00	1.90	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	91	27017	2.00	1.80	
S 124 1,2-Dichloroethene, Total	1				0			4.47	
S 125 Total BTEX	1				0			10.8	
S 126 Xylenes, Total	1				0			4.20	
S 123 1,3-Dichloropropene, Total	1				0			3.97	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00129

Amount Added: 2.00

Units: uL

GAS CORP mix_00291

Amount Added: 2.00

Units: uL

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180719-73222.b\\N1650.D

Injection Date: 19-Jul-2018 16:20:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 2

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

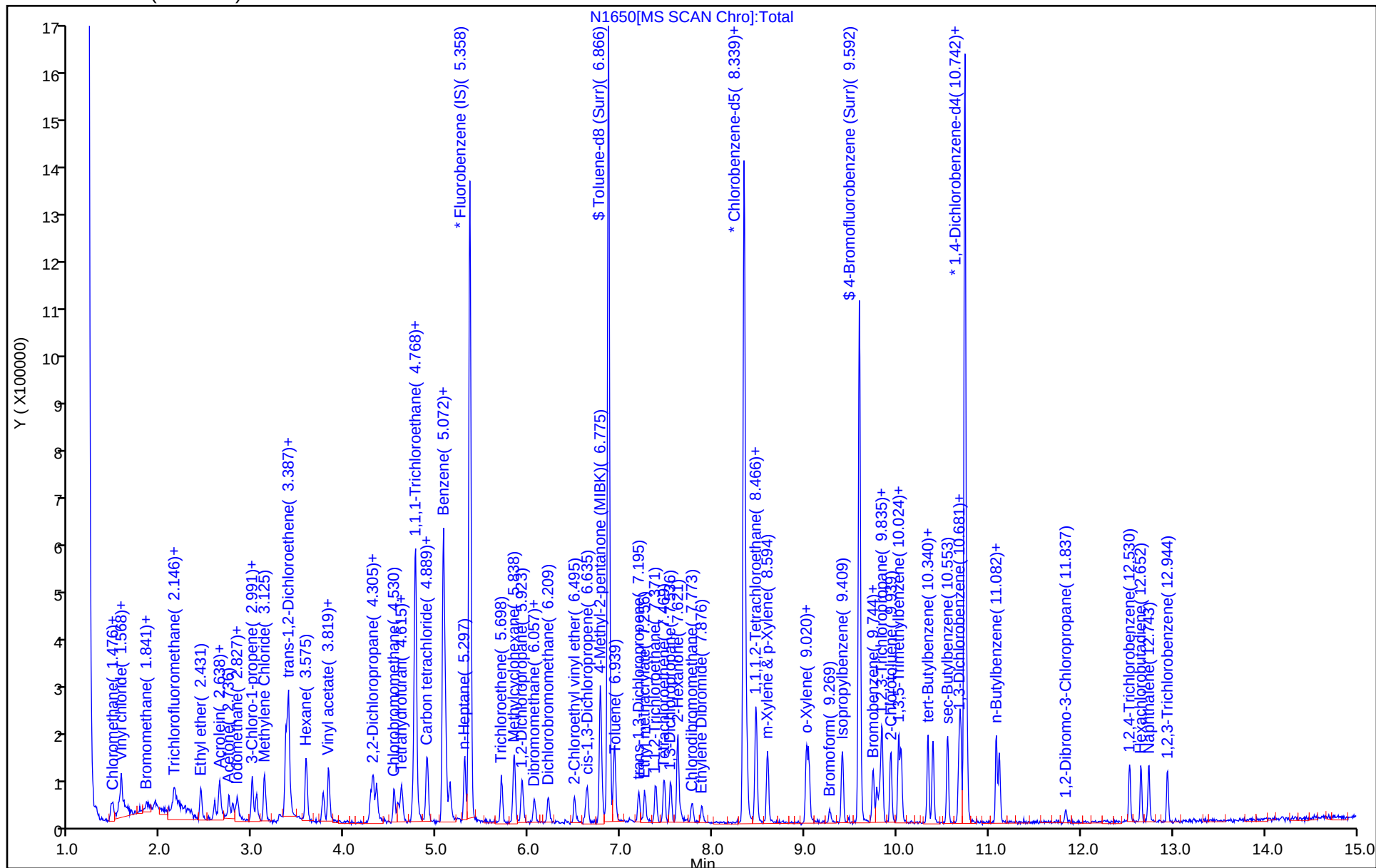
Dil. Factor: 1.0000

ALS Bottle#: 43

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1650.D

Injection Date: 19-Jul-2018 16:20:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

43

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

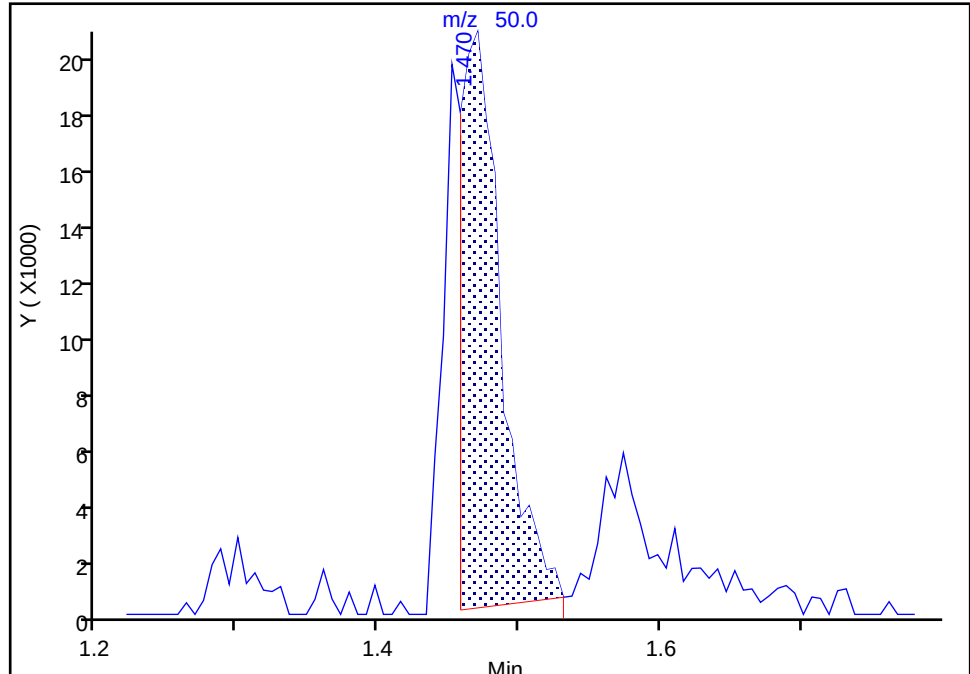
Detector: MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

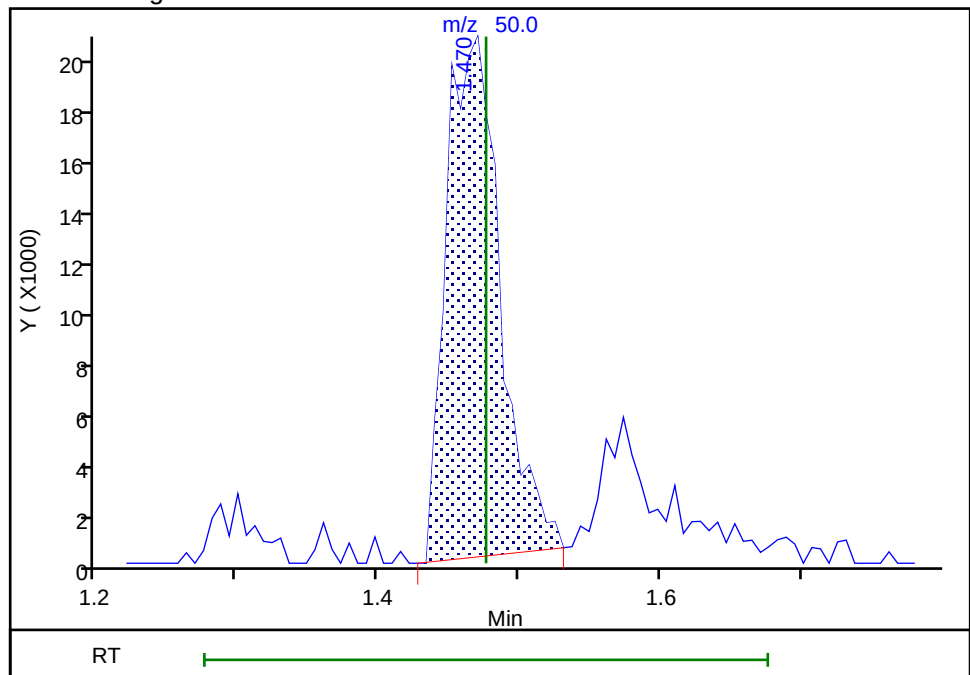
RT: 1.47
Area: 41642
Amount: 1.780231
Amount Units: ug/L

Processing Integration Results



RT: 1.47
Area: 54265
Amount: 2.244183
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:05:16

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1650.D

Injection Date: 19-Jul-2018 16:20:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

43

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

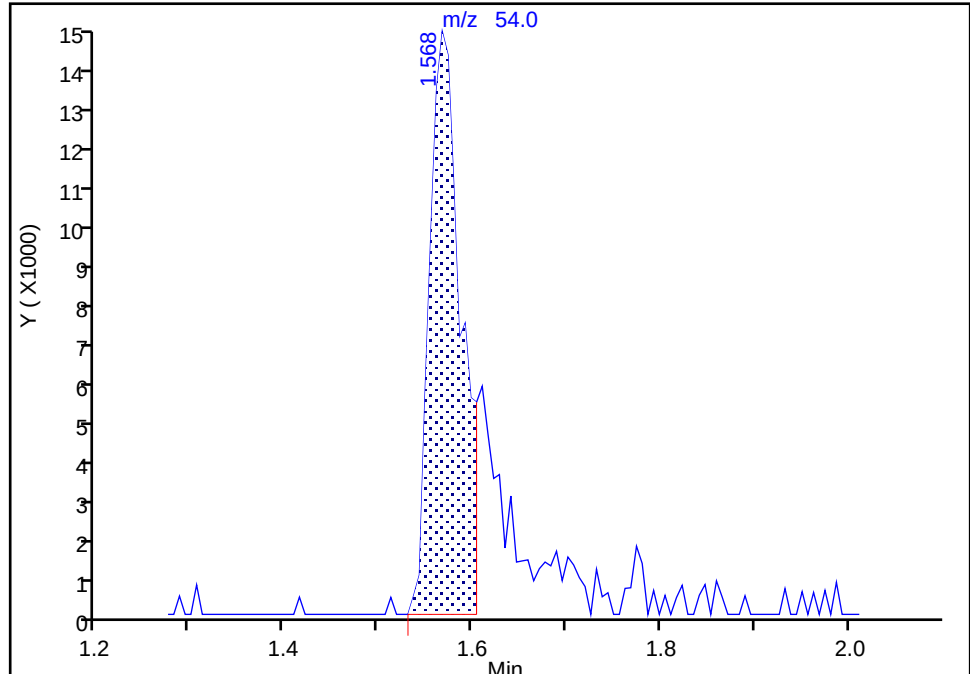
Detector: MS SCAN

144 Butadiene, CAS: 106-99-0

Signal: 1

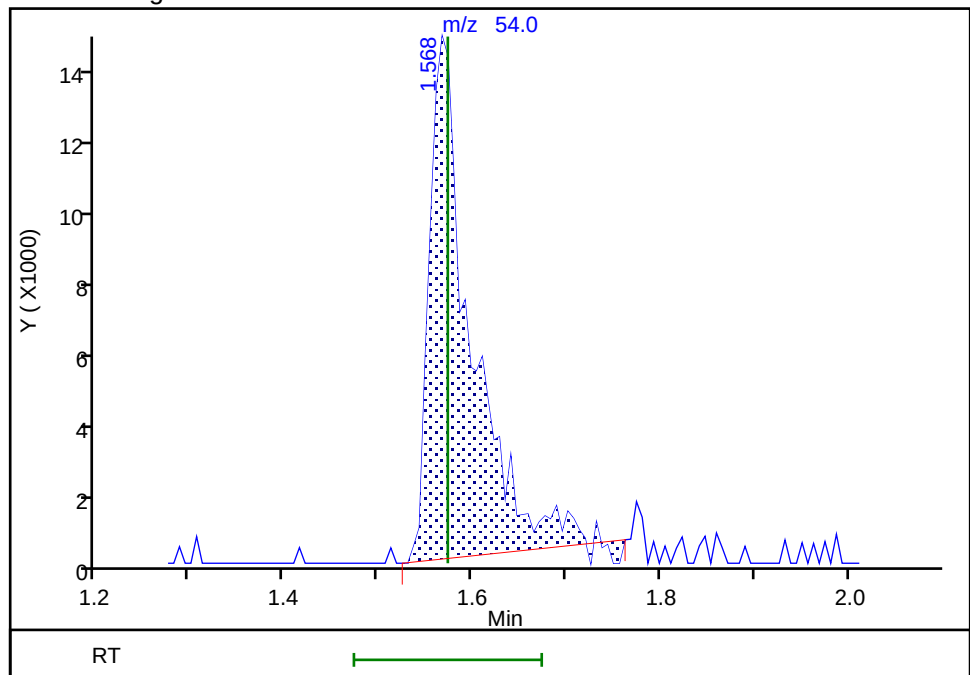
RT: 1.57
Area: 32987
Amount: 1.865963
Amount Units: ug/L

Processing Integration Results



RT: 1.57
Area: 42376
Amount: 2.131795
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:05:48

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1650.D

Injection Date: 19-Jul-2018 16:20:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

43

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

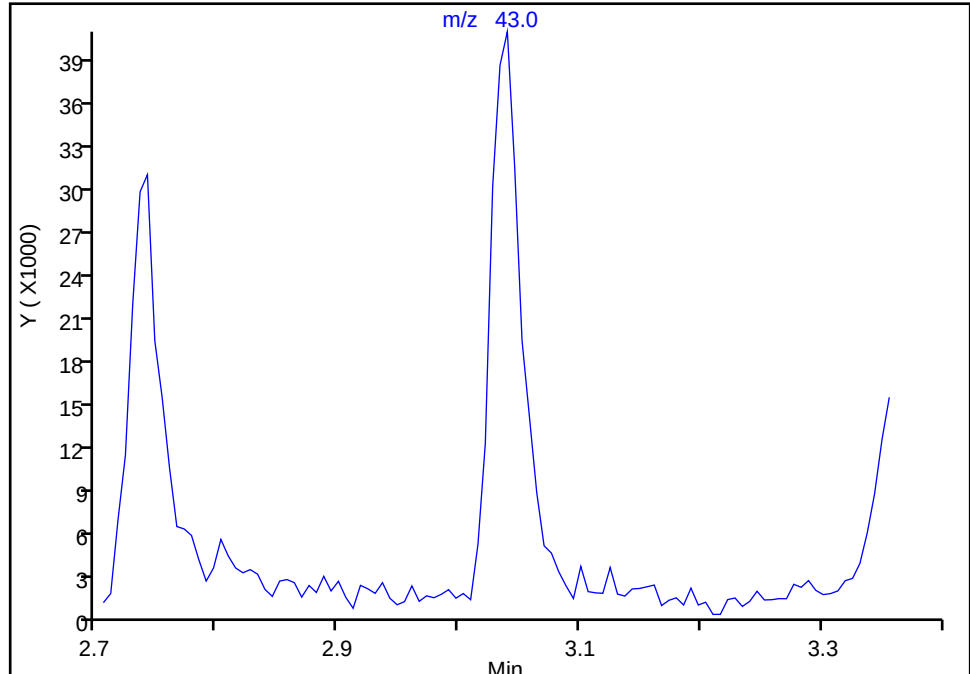
28 Methyl acetate, CAS: 79-20-9

Signal: 1

Not Detected

Expected RT: 3.03

Processing Integration Results



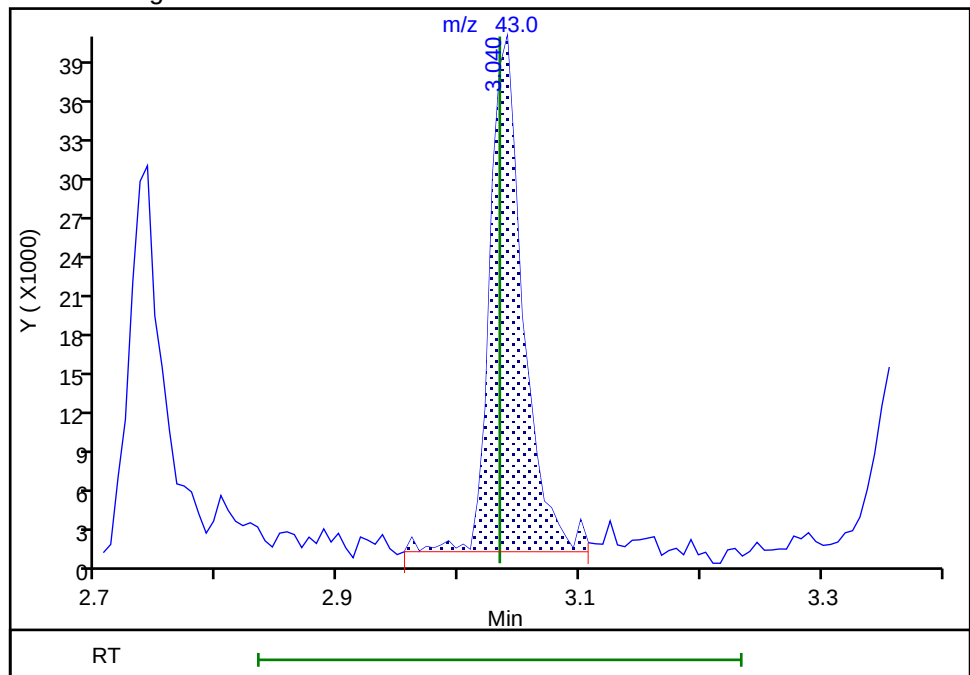
RT: 3.04

Area: 75224

Amount: 4.055241

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:06:24

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1650.D

Injection Date: 19-Jul-2018 16:20:30

Instrument ID: HP5973N

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

43

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

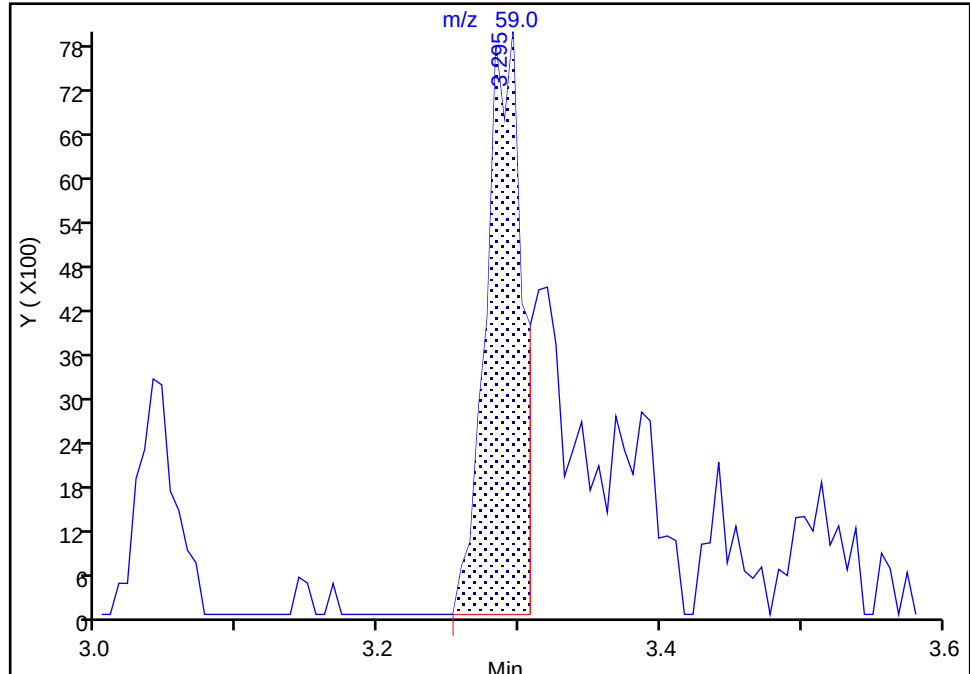
Detector: MS SCAN

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

Signal: 1

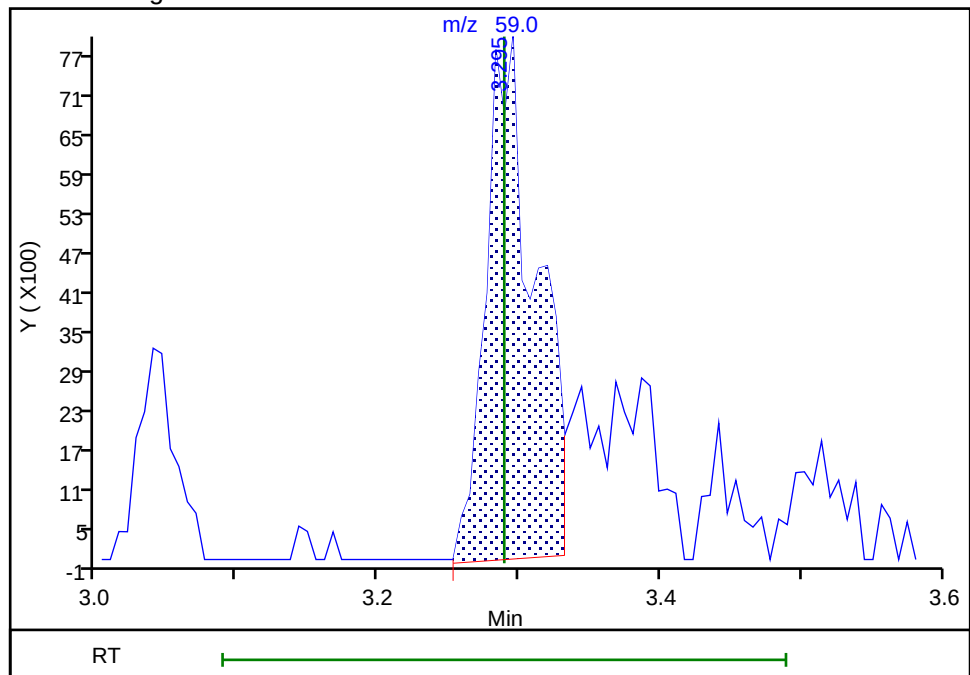
RT: 3.30
Area: 14345
Amount: 16.188218
Amount Units: ug/L

Processing Integration Results



RT: 3.30
Area: 19637
Amount: 21.362832
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:06:48

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1651.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 19-Jul-2018 16:47:30 ALS Bottle#: 44 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0073222-010
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 20-Jul-2018 13:44:52 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: HillL

Date: 19-Jul-2018 22:14:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	195586	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.339	0.000	89	727578	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	95	406677	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	0.000	94	247753	25.0	24.8	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	334556	25.0	25.2	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	965667	25.0	25.0	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	93	325360	25.0	25.0	
11 Dichlorodifluoromethane	85	1.300	1.300	0.000	96	64225	5.00	5.48	
13 Chloromethane	50	1.464	1.464	0.000	100	123481	5.00	4.89	
14 Vinyl chloride	62	1.543	1.543	0.000	95	91910	5.00	5.37	
144 Butadiene	54	1.574	1.574	0.000	91	109424	5.00	5.27	M
15 Bromomethane	94	1.853	1.853	0.000	88	43811	5.00	5.07	
16 Chloroethane	64	1.926	1.926	0.000	96	50865	5.00	5.22	
17 Dichlorofluoromethane	67	2.145	2.145	0.000	92	102676	5.00	5.04	
18 Trichlorofluoromethane	101	2.152	2.152	0.000	82	84536	5.00	5.30	
19 Ethyl ether	59	2.431	2.431	0.000	96	79177	5.00	5.18	
20 Acrolein	56	2.583	2.583	0.000	97	68095	25.0	24.0	M
21 1,1,2-Trichloro-1,2,2-trif	101	2.644	2.644	0.000	43	50019	5.00	5.37	M
22 1,1-Dichloroethene	96	2.638	2.638	0.000	92	51596	5.00	5.24	
23 Acetone	43	2.736	2.736	0.000	98	133329	25.0	24.0	
24 Iodomethane	142	2.784	2.784	0.000	97	94317	5.00	5.13	
25 Carbon disulfide	76	2.827	2.827	0.000	98	146684	5.00	4.92	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	87	151067	5.00	5.11	
28 Methyl acetate	43	3.040	3.040	0.000	99	184785	10.0	9.53	
30 Methylene Chloride	84	3.125	3.125	0.000	91	69678	5.00	5.29	
31 2-Methyl-2-propanol	59	3.289	3.289	0.000	97	40440	50.0	42.1	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	93	175997	5.00	4.97	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	81	60649	5.00	5.11	
34 Acrylonitrile	53	3.386	3.386	0.000	96	405146	50.0	47.3	
35 Hexane	57	3.575	3.575	0.000	95	127983	5.00	5.17	

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	3.764	3.764	0.000	96	129962	5.00	5.26	
39 Vinyl acetate	43	3.818	3.818	0.000	97	369148	10.0	9.61	
42 2,2-Dichloropropane	77	4.281	4.281	0.000	85	70289	5.00	5.14	
43 cis-1,2-Dichloroethene	96	4.311	4.311	0.000	87	71221	5.00	5.25	
44 2-Butanone (MEK)	43	4.342	4.342	0.000	96	251653	25.0	24.1	M
47 Chlorobromomethane	128	4.536	4.536	0.000	85	33935	5.00	5.31	
49 Tetrahydrofuran	42	4.573	4.573	0.000	92	74945	10.0	10.3	
50 Chloroform	83	4.615	4.615	0.000	94	105531	5.00	4.98	
51 1,1,1-Trichloroethane	97	4.743	4.743	0.000	96	86966	5.00	5.46	
52 Cyclohexane	56	4.767	4.767	0.000	57	128346	5.00	4.85	
53 Carbon tetrachloride	117	4.883	4.883	0.000	93	74204	5.00	5.09	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	85	80356	5.00	5.19	
56 Isobutyl alcohol	43	5.090	5.090	0.000	48	109319	125.0	121.6	
55 Benzene	78	5.090	5.090	0.000	95	245275	5.00	5.23	
57 1,2-Dichloroethane	62	5.139	5.139	0.000	95	110200	5.00	5.18	
59 n-Heptane	43	5.303	5.303	0.000	94	164746	5.00	5.43	
60 Trichloroethene	95	5.704	5.704	0.000	91	60948	5.00	5.22	
62 Methylcyclohexane	83	5.838	5.838	0.000	93	106467	5.00	5.19	
63 1,2-Dichloropropane	63	5.923	5.923	0.000	89	72660	5.00	5.21	
64 Dibromomethane	93	6.057	6.057	0.000	95	37338	5.00	4.98	
66 1,4-Dioxane	88	6.075	6.075	0.000	28	10692	100.0	91.4	M
67 Dichlorobromomethane	83	6.209	6.209	0.000	94	71595	5.00	4.93	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	84	41491	5.00	4.48	
71 cis-1,3-Dichloropropene	75	6.635	6.635	0.000	84	78372	5.00	4.93	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	98	187189	25.0	25.4	
73 Toluene	92	6.927	6.927	0.000	96	147230	5.00	5.31	
75 trans-1,3-Dichloropropene	75	7.195	7.195	0.000	91	73960	5.00	5.17	
77 Ethyl methacrylate	69	7.262	7.262	0.000	91	67530	5.00	5.11	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	93	45506	5.00	5.10	
79 Tetrachloroethene	166	7.469	7.469	0.000	95	65644	5.00	5.24	
80 1,3-Dichloropropane	76	7.542	7.542	0.000	90	91788	5.00	5.29	
82 2-Hexanone	43	7.615	7.615	0.000	98	373931	25.0	25.3	
83 Chlorodibromomethane	129	7.779	7.779	0.000	88	52923	5.00	5.10	
84 Ethylene Dibromide	107	7.876	7.876	0.000	96	55658	5.00	4.94	
85 Chlorobenzene	112	8.369	8.369	0.000	95	174360	5.00	5.33	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	91	52943	5.00	4.78	
88 Ethylbenzene	91	8.472	8.472	0.000	98	263554	5.00	5.22	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	104281	5.00	5.21	
91 o-Xylene	106	9.014	9.014	0.000	96	107045	5.00	5.42	
92 Styrene	104	9.044	9.044	0.000	92	167551	5.00	5.16	
93 Bromoform	173	9.275	9.275	0.000	95	33238	5.00	4.67	
95 Isopropylbenzene	105	9.409	9.409	0.000	96	263863	5.00	5.07	
97 Bromobenzene	156	9.744	9.744	0.000	92	70783	5.00	4.77	
98 1,1,2,2-Tetrachloroethane	83	9.786	9.786	0.000	93	76036	5.00	4.89	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	93	24294	5.00	4.83	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.835	0.000	60	23048	5.00	4.69	
100 N-Propylbenzene	91	9.835	9.835	0.000	98	302669	5.00	5.06	
102 2-Chlorotoluene	126	9.932	9.932	0.000	97	70872	5.00	5.19	
104 1,3,5-Trimethylbenzene	105	10.018	10.018	0.000	97	207198	5.00	4.87	
105 4-Chlorotoluene	91	10.042	10.042	0.000	97	209124	5.00	5.03	
106 tert-Butylbenzene	134	10.340	10.340	0.000	93	47576	5.00	4.84	
108 1,2,4-Trimethylbenzene	105	10.395	10.395	0.000	98	220801	5.00	5.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	95	294751	5.00	5.18	
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	98	136760	5.00	5.12	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	98	254641	5.00	5.00	
113 1,4-Dichlorobenzene	146	10.766	10.766	0.000	96	137515	5.00	4.96	
115 n-Butylbenzene	91	11.082	11.082	0.000	97	219005	5.00	5.08	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	98	131195	5.00	5.11	
117 1,2-Dibromo-3-Chloropropan	75	11.843	11.843	0.000	77	10622	5.00	4.32	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	93	83813	5.00	4.68	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	95	47342	5.00	5.36	
121 Naphthalene	128	12.743	12.743	0.000	97	211339	5.00	4.53	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	97	77054	5.00	4.76	
S 124 1,2-Dichloroethene, Total	1				0			10.4	
S 125 Total BTEX	1				0			26.4	
S 126 Xylenes, Total	1				0			10.6	
S 123 1,3-Dichloropropene, Total	1				0			10.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00129

Amount Added: 5.00

Units: uL

GAS CORP mix_00291

Amount Added: 5.00

Units: uL

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1651.D

Injection Date: 19-Jul-2018 16:47:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 3

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

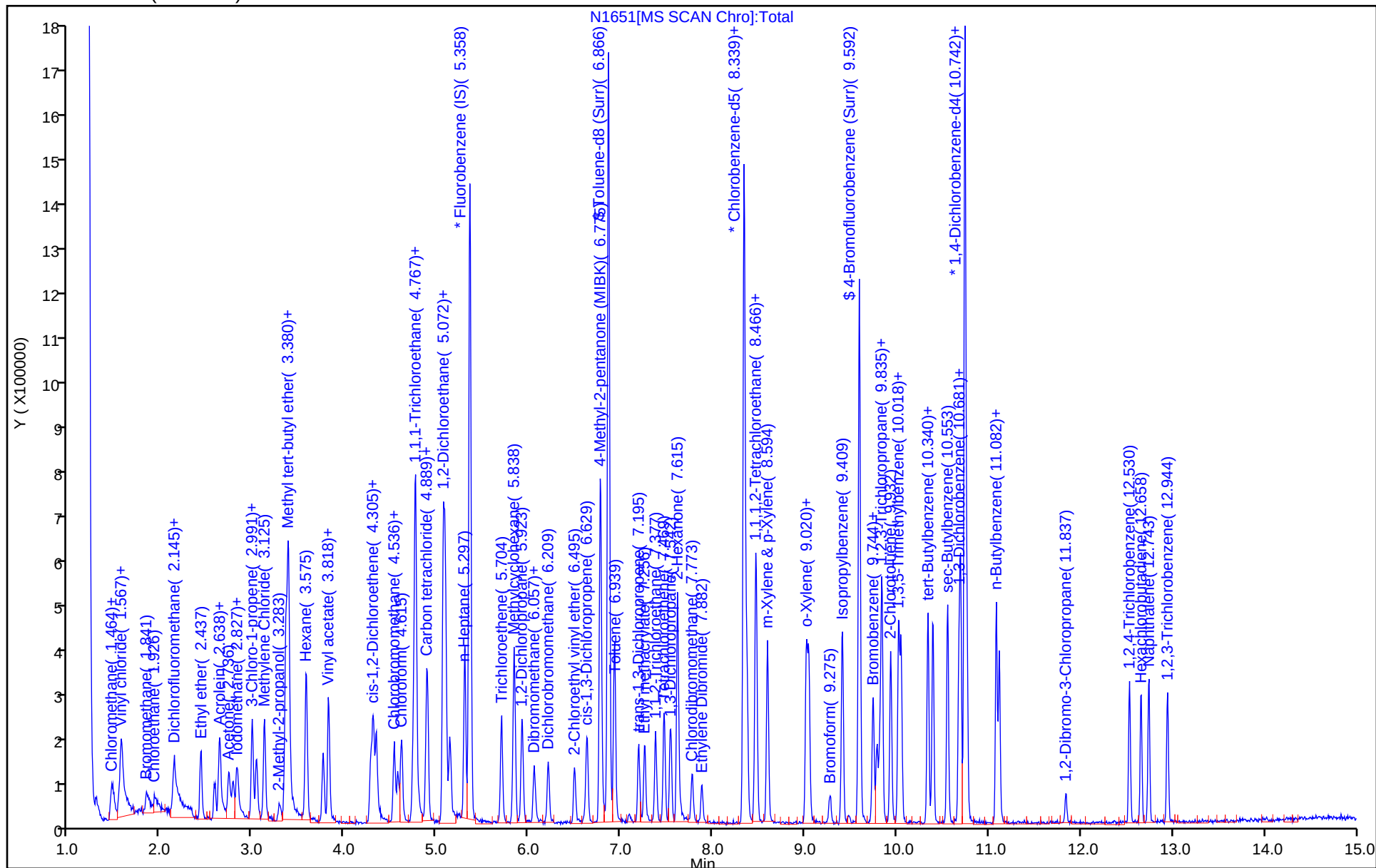
Dil. Factor: 1.0000

ALS Bottle#: 44

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1651.D

Injection Date: 19-Jul-2018 16:47:30

Instrument ID: HP5973N

Lims ID: IC 3

Client ID:

Operator ID: LH

ALS Bottle#:

44

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

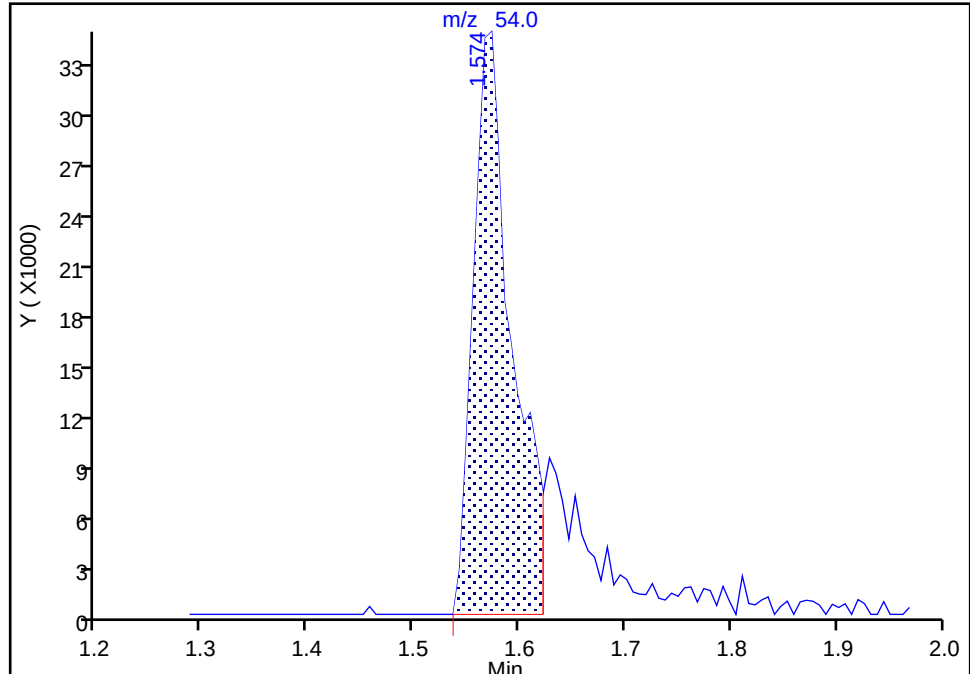
Detector: MS SCAN

144 Butadiene, CAS: 106-99-0

Signal: 1

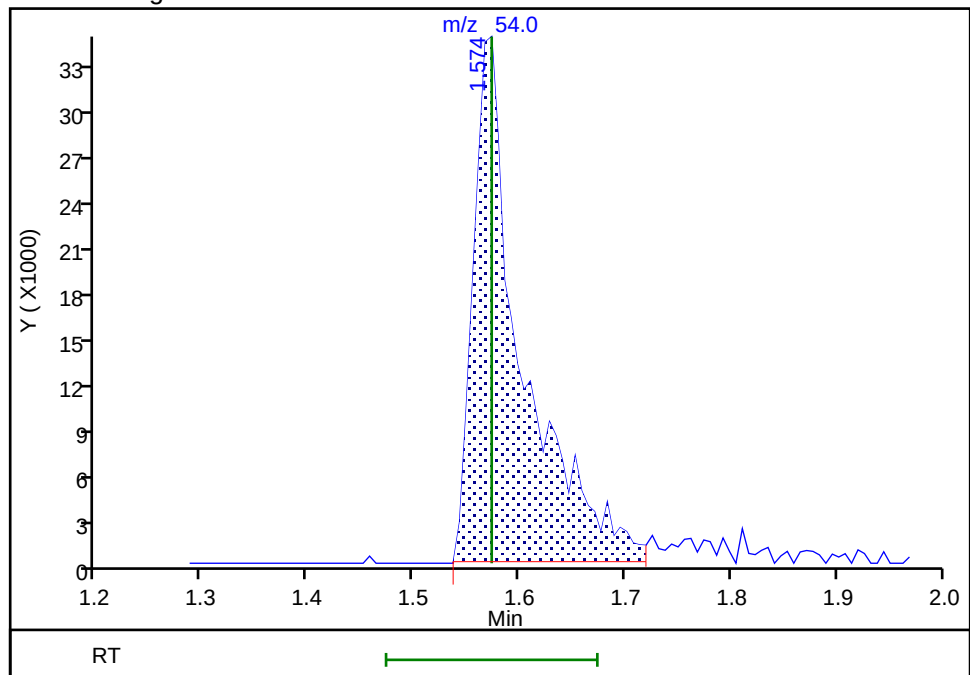
RT: 1.57
Area: 87534
Amount: 4.586403
Amount Units: ug/L

Processing Integration Results



RT: 1.57
Area: 109424
Amount: 5.268113
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:10:27

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1651.D

Injection Date: 19-Jul-2018 16:47:30

Instrument ID: HP5973N

Lims ID: IC 3

Client ID:

Operator ID: LH

ALS Bottle#:

44

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

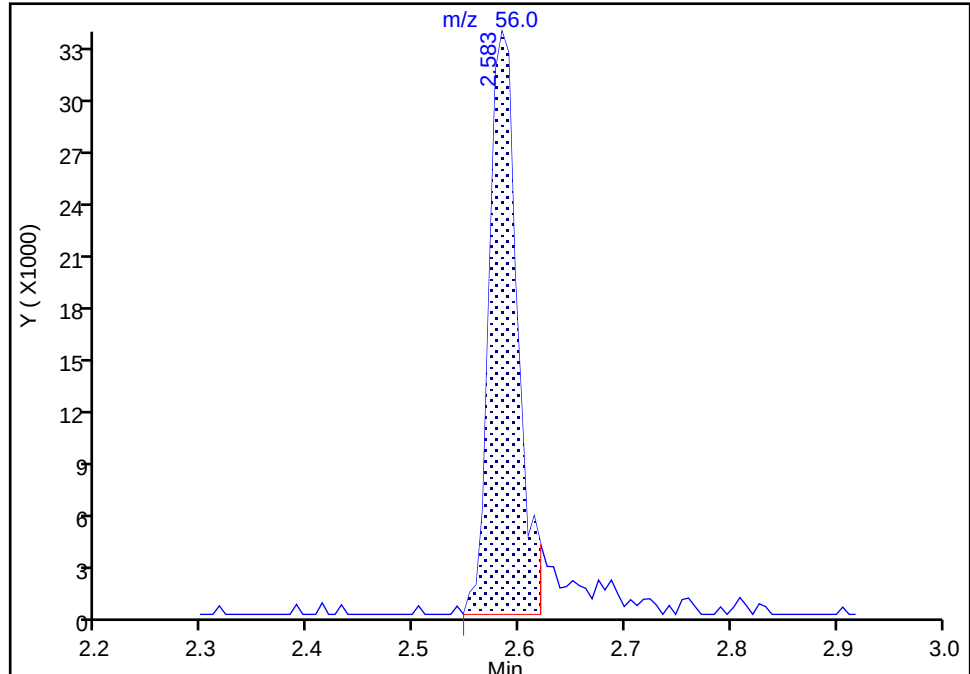
Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

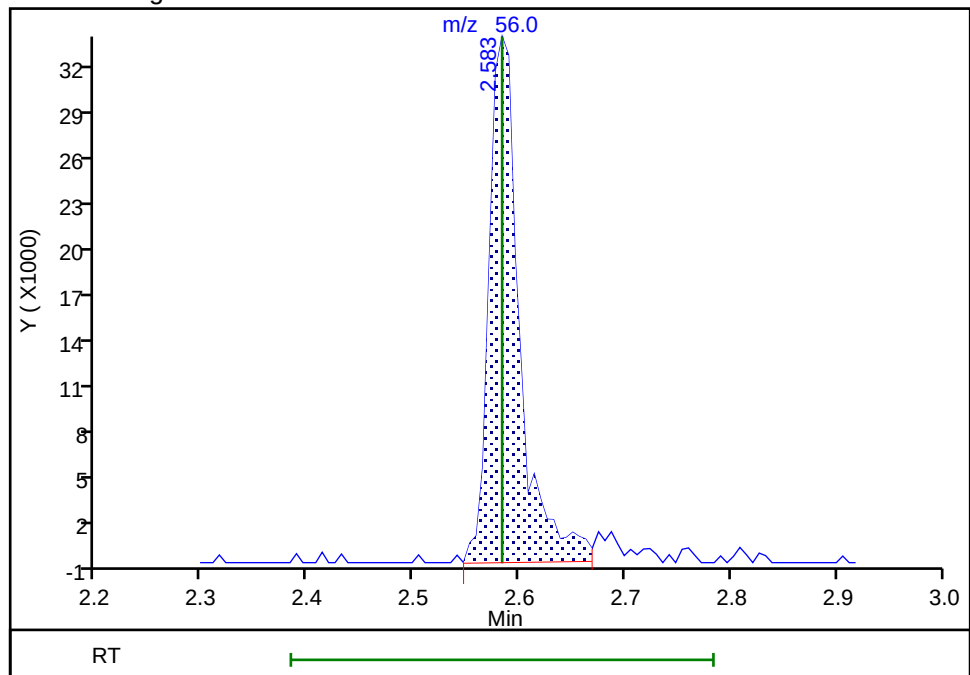
RT: 2.58
Area: 62906
Amount: 21.742890
Amount Units: ug/L

Processing Integration Results



RT: 2.58
Area: 68095
Amount: 24.029986
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:10:53

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1651.D

Injection Date: 19-Jul-2018 16:47:30

Instrument ID: HP5973N

Lims ID: IC 3

Client ID:

Operator ID: LH

ALS Bottle#:

44

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

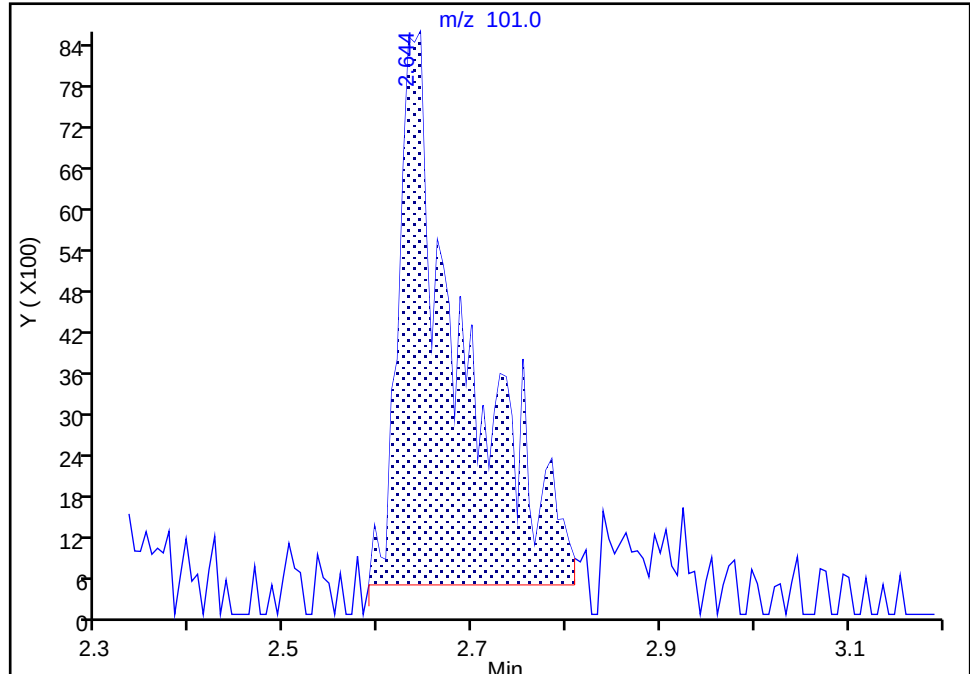
Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

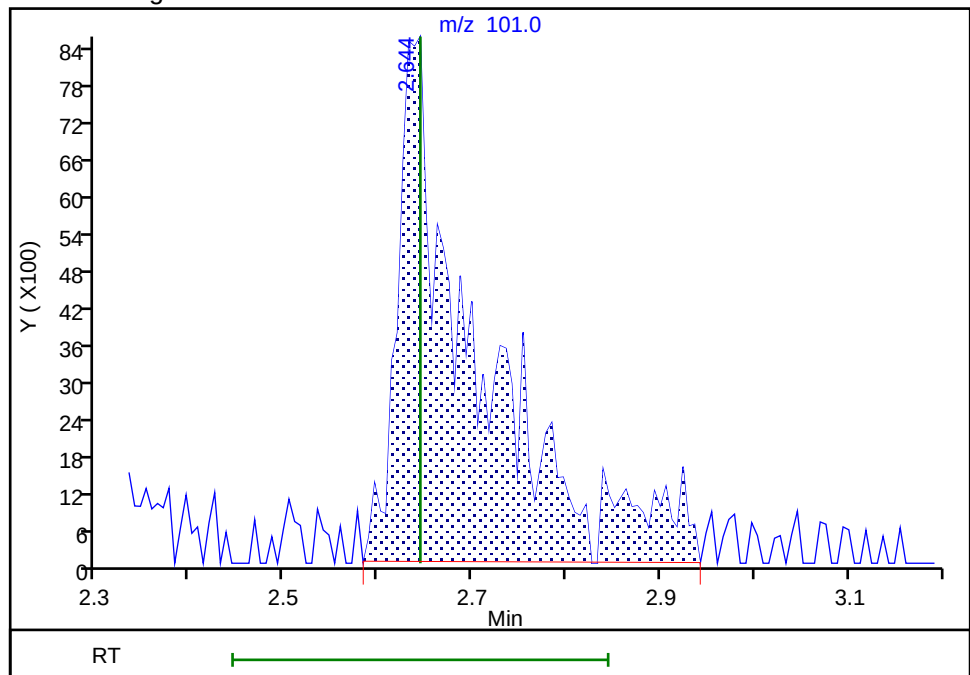
RT: 2.64
Area: 38070
Amount: 4.262879
Amount Units: ug/L

Processing Integration Results



RT: 2.64
Area: 50019
Amount: 5.371248
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:11:18

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1651.D

Injection Date: 19-Jul-2018 16:47:30

Instrument ID: HP5973N

Lims ID: IC 3

Client ID:

Operator ID: LH

ALS Bottle#:

44

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

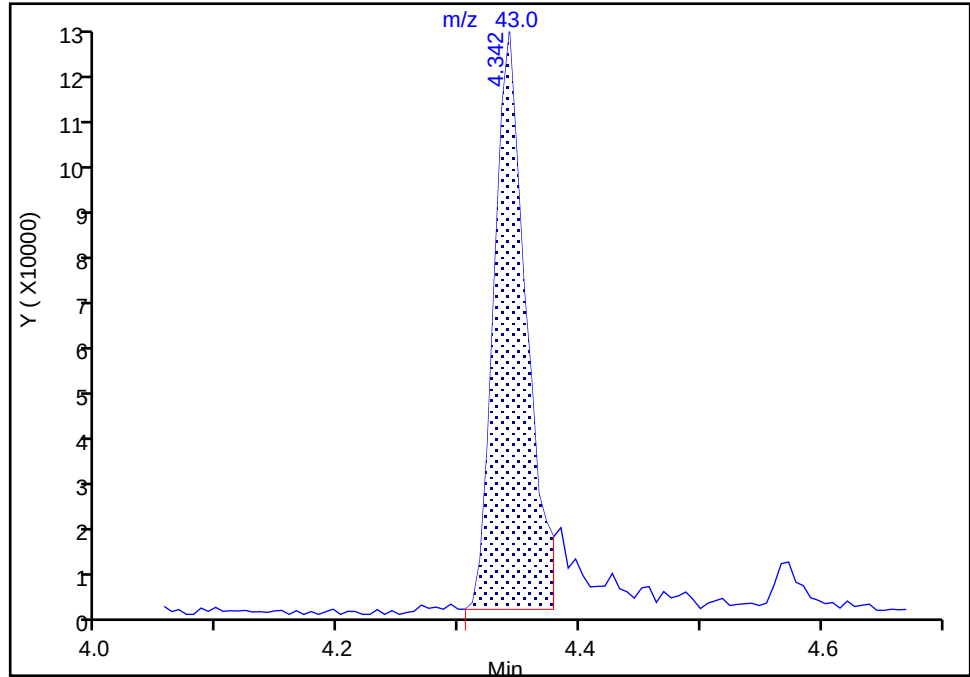
Detector: MS SCAN

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

Signal: 1

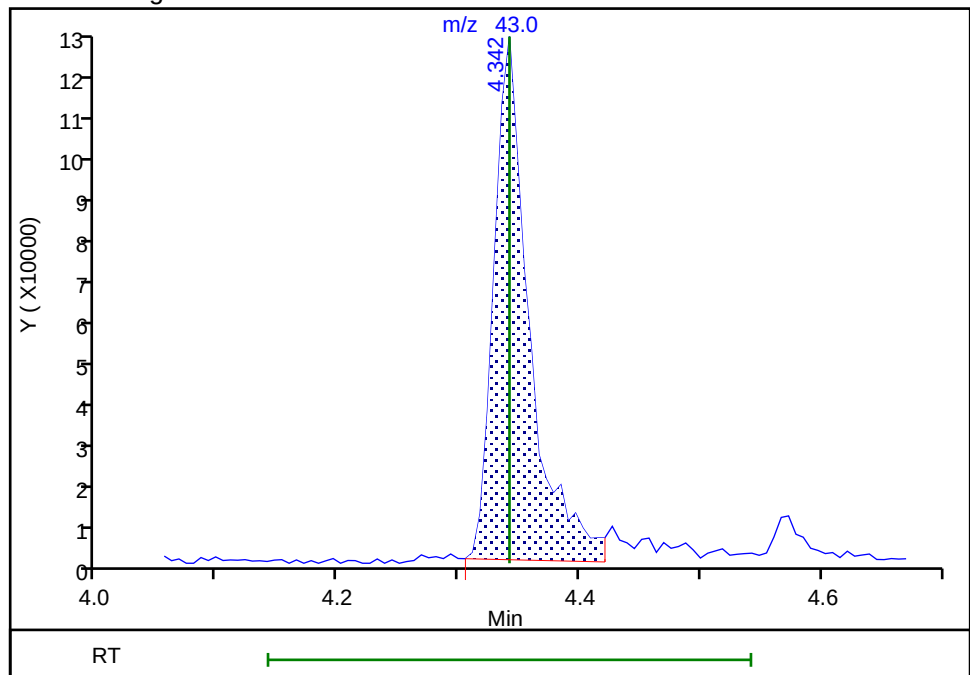
RT: 4.34
Area: 227361
Amount: 22.522288
Amount Units: ug/L

Processing Integration Results



RT: 4.34
Area: 251653
Amount: 24.050856
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:12:13

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1651.D

Injection Date: 19-Jul-2018 16:47:30

Instrument ID: HP5973N

Lims ID: IC 3

Client ID:

Operator ID: LH

ALS Bottle#:

44

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

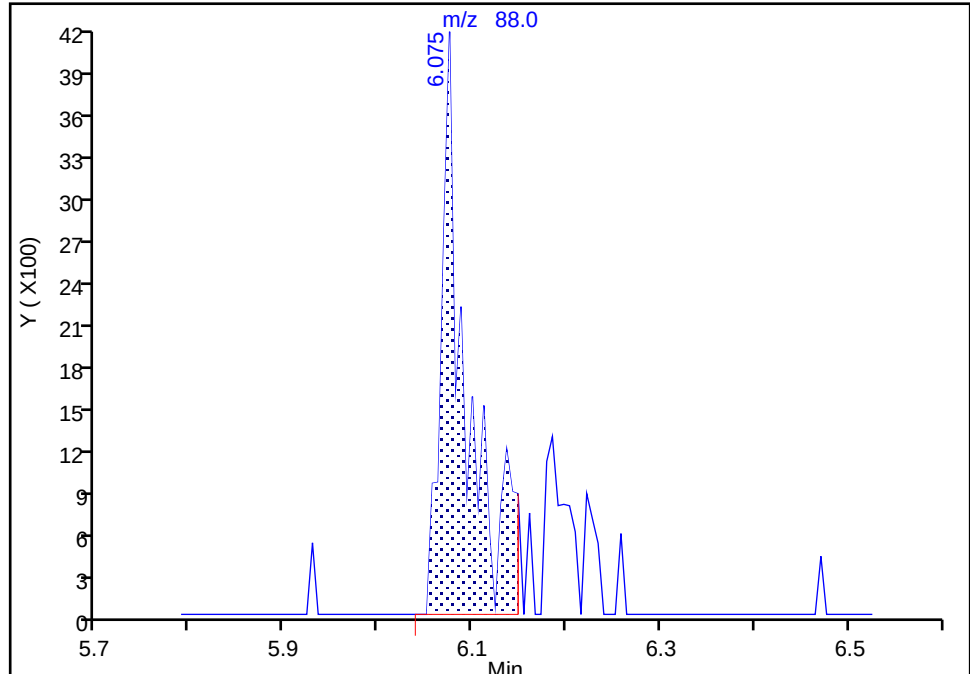
Detector: MS SCAN

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

Signal: 1

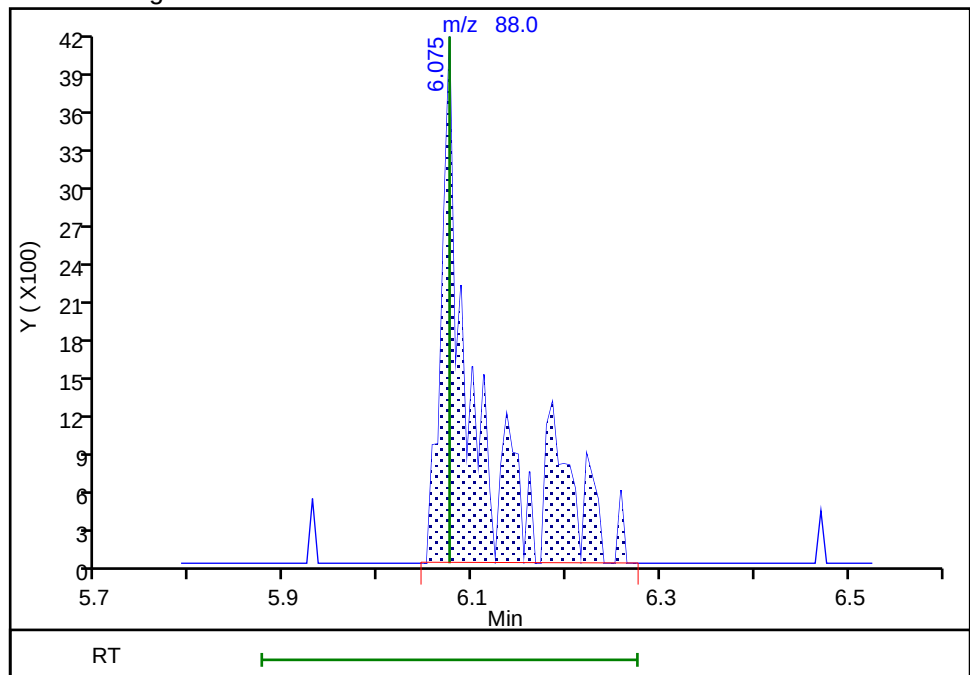
RT: 6.08
Area: 7651
Amount: 91.263515
Amount Units: ug/L

Processing Integration Results



RT: 6.08
Area: 10692
Amount: 91.433176
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:12:59

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1652.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 19-Jul-2018 17:14:30 ALS Bottle#: 45 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0073222-011
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 20-Jul-2018 13:44:57 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: HillL

Date: 19-Jul-2018 22:16:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	190714	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.339	0.001	90	707156	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	95	397330	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	0.000	91	250754	25.0	25.8	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	332957	25.0	25.8	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	963142	25.0	25.6	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	91	326316	25.0	25.8	
11 Dichlorodifluoromethane	85	1.294	1.300	-0.006	98	131267	10.0	11.5	
13 Chloromethane	50	1.464	1.464	0.000	99	253990	10.0	10.3	
14 Vinyl chloride	62	1.549	1.543	0.006	98	177326	10.0	10.6	
144 Butadiene	54	1.568	1.574	-0.006	95	218183	10.0	10.8	M
15 Bromomethane	94	1.847	1.853	-0.006	90	85995	10.0	10.2	
16 Chloroethane	64	1.939	1.926	0.013	95	94738	10.0	9.97	
17 Dichlorofluoromethane	67	2.139	2.145	-0.006	93	209458	10.0	10.5	
18 Trichlorofluoromethane	101	2.152	2.152	0.000	86	172407	10.0	11.1	
19 Ethyl ether	59	2.431	2.431	0.000	96	154983	10.0	10.4	
20 Acrolein	56	2.583	2.583	0.000	98	143967	50.0	52.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.650	2.644	0.006	47	101227	10.0	11.0	
22 1,1-Dichloroethene	96	2.638	2.638	0.000	91	100355	10.0	10.5	
23 Acetone	43	2.736	2.736	0.000	98	290577	50.0	53.5	
24 Iodomethane	142	2.784	2.784	0.000	97	189505	10.0	10.6	
25 Carbon disulfide	76	2.827	2.827	0.000	98	312437	10.0	10.8	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	87	297111	10.0	10.3	
28 Methyl acetate	43	3.034	3.040	-0.006	100	376078	20.0	19.9	
30 Methylene Chloride	84	3.125	3.125	0.000	90	125338	10.0	9.75	
31 2-Methyl-2-propanol	59	3.283	3.289	-0.006	95	98665	100.0	105.3	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	95	367180	10.0	10.6	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	89	118770	10.0	10.3	
34 Acrylonitrile	53	3.387	3.386	0.000	99	817782	100.0	97.9	
35 Hexane	57	3.575	3.575	0.000	96	270205	10.0	11.2	

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	3.764	3.764	0.000	97	256779	10.0	10.7	
39 Vinyl acetate	43	3.818	3.818	0.000	97	786174	20.0	21.0	
42 2,2-Dichloropropane	77	4.281	4.281	0.000	83	141595	10.0	10.6	
43 cis-1,2-Dichloroethene	96	4.305	4.311	-0.006	90	136665	10.0	10.3	
44 2-Butanone (MEK)	43	4.336	4.342	-0.006	96	517277	50.0	50.7	
47 Chlorobromomethane	128	4.536	4.536	0.000	86	61060	10.0	9.80	
49 Tetrahydrofuran	42	4.567	4.573	-0.006	95	142623	20.0	20.1	
50 Chloroform	83	4.615	4.615	0.000	96	213297	10.0	10.3	
51 1,1,1-Trichloroethane	97	4.737	4.743	-0.006	89	167602	10.0	10.8	
52 Cyclohexane	56	4.767	4.767	0.000	88	276804	10.0	10.4	
53 Carbon tetrachloride	117	4.889	4.883	0.006	96	146593	10.0	10.3	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	84	154043	10.0	10.2	
56 Isobutyl alcohol	43	5.090	5.090	0.000	53	222370	250.0	253.6	
55 Benzene	78	5.090	5.090	0.000	94	468366	10.0	10.2	
57 1,2-Dichloroethane	62	5.139	5.139	0.000	95	206566	10.0	9.95	
59 n-Heptane	43	5.303	5.303	0.000	95	325115	10.0	11.0	
60 Trichloroethene	95	5.704	5.704	0.000	94	119084	10.0	10.5	
62 Methylcyclohexane	83	5.844	5.838	0.006	96	229068	10.0	11.5	
63 1,2-Dichloropropane	63	5.929	5.923	0.006	90	138904	10.0	10.2	
64 Dibromomethane	93	6.057	6.057	0.000	91	72868	10.0	9.96	
66 1,4-Dioxane	88	6.075	6.075	0.000	28	25969	200.0	228.5	M
67 Dichlorobromomethane	83	6.209	6.209	0.000	95	142634	10.0	10.1	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	88	95919	10.0	10.6	
71 cis-1,3-Dichloropropene	75	6.629	6.635	-0.006	85	164777	10.0	10.6	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	98	368657	50.0	51.4	
73 Toluene	92	6.933	6.927	0.006	97	292817	10.0	10.9	
75 trans-1,3-Dichloropropene	75	7.189	7.195	-0.006	90	140781	10.0	10.1	
77 Ethyl methacrylate	69	7.256	7.262	-0.006	89	130831	10.0	10.2	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	94	85952	10.0	9.91	
79 Tetrachloroethene	166	7.469	7.469	0.000	96	137495	10.0	11.3	
80 1,3-Dichloropropane	76	7.542	7.542	0.000	90	173997	10.0	10.3	
82 2-Hexanone	43	7.615	7.615	0.000	98	774423	50.0	53.9	
83 Chlorodibromomethane	129	7.773	7.779	-0.006	90	103833	10.0	10.3	
84 Ethylene Dibromide	107	7.876	7.876	0.000	99	113704	10.0	10.4	
85 Chlorobenzene	112	8.369	8.369	0.000	94	327258	10.0	10.3	
89 1,1,1,2-Tetrachloroethane	131	8.460	8.466	-0.006	90	115488	10.0	10.7	
88 Ethylbenzene	91	8.472	8.472	0.000	97	526426	10.0	10.7	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	203846	10.0	10.5	
91 o-Xylene	106	9.014	9.014	0.000	97	201384	10.0	10.5	
92 Styrene	104	9.044	9.044	0.000	93	335354	10.0	10.6	
93 Bromoform	173	9.269	9.275	-0.006	96	68507	10.0	9.91	
95 Isopropylbenzene	105	9.409	9.409	0.000	96	539282	10.0	10.6	
97 Bromobenzene	156	9.744	9.744	0.000	87	145667	10.0	10.0	
98 1,1,2,2-Tetrachloroethane	83	9.780	9.786	-0.006	96	155276	10.0	10.2	
99 1,2,3-Trichloropropane	110	9.811	9.817	-0.006	91	48773	10.0	9.92	
101 trans-1,4-Dichloro-2-buten	53	9.829	9.835	-0.006	62	46833	10.0	8.91	
100 N-Propylbenzene	91	9.835	9.835	0.000	98	615924	10.0	10.5	
102 2-Chlorotoluene	126	9.932	9.932	0.000	96	135434	10.0	10.1	
104 1,3,5-Trimethylbenzene	105	10.024	10.018	0.006	96	434307	10.0	10.4	
105 4-Chlorotoluene	91	10.048	10.042	0.006	97	419309	10.0	10.3	
106 tert-Butylbenzene	134	10.340	10.340	0.000	95	105959	10.0	11.0	
108 1,2,4-Trimethylbenzene	105	10.395	10.395	0.000	97	449400	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	95	581756	10.0	10.5	
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	97	264228	10.0	10.1	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	98	526107	10.0	10.6	
113 1,4-Dichlorobenzene	146	10.766	10.766	0.000	94	277508	10.0	10.3	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	437199	10.0	10.4	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	97	261651	10.0	10.4	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.843	-0.006	79	21541	10.0	8.97	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	93	187824	10.0	10.7	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	96	100187	10.0	11.6	
121 Naphthalene	128	12.737	12.743	-0.006	97	445395	10.0	9.77	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	95	175529	10.0	11.1	
S 124 1,2-Dichloroethene, Total	1				0			20.6	
S 125 Total BTEX	1				0			52.8	
S 126 Xylenes, Total	1				0			21.0	
S 123 1,3-Dichloropropene, Total	1				0			20.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00129

Amount Added: 5.00

Units: uL

GAS CORP mix_00291

Amount Added: 5.00

Units: uL

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180719-73222.b\\N1652.D

Injection Date: 19-Jul-2018 17:14:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 4

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

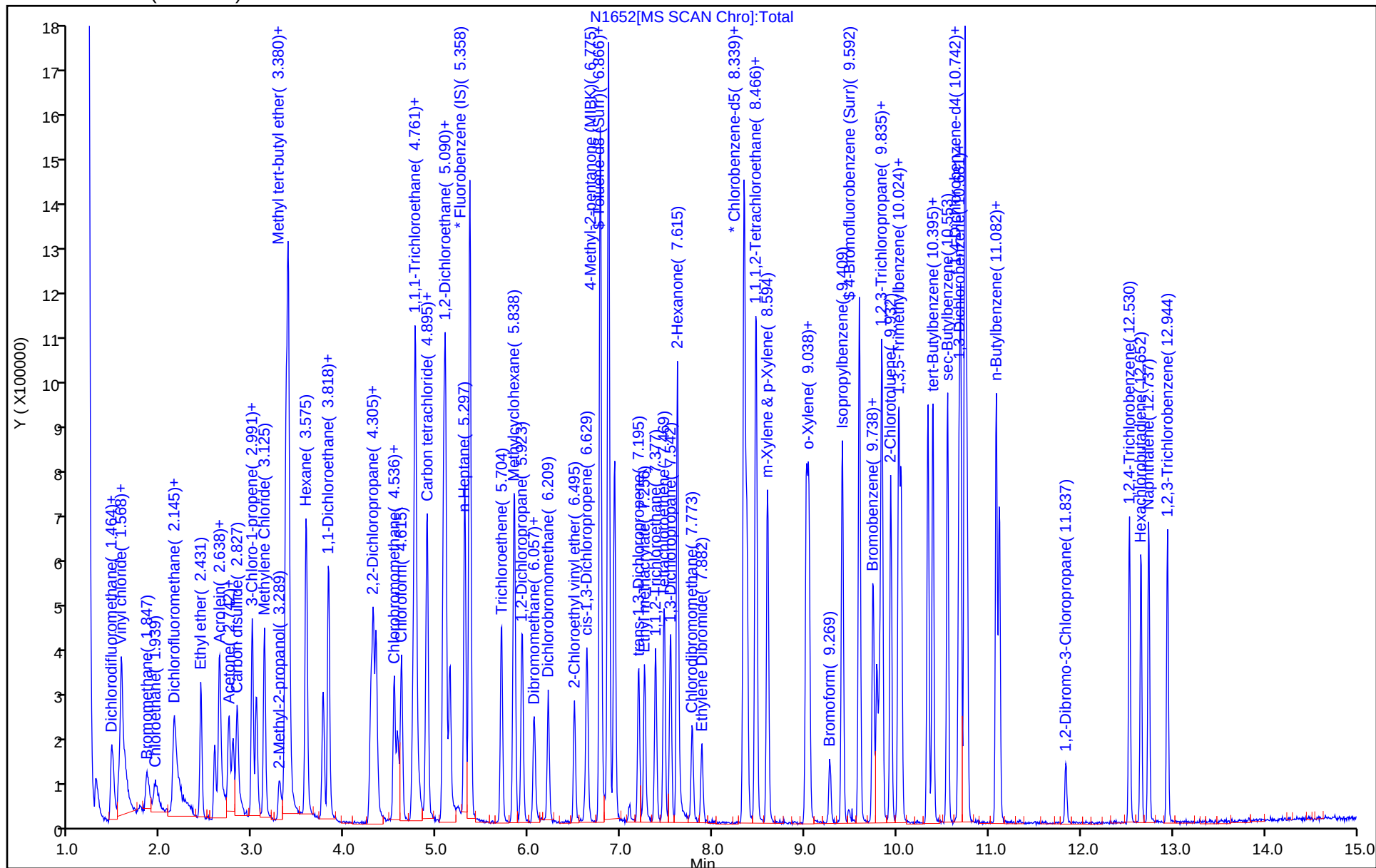
Dil. Factor: 1.0000

ALS Bottle#: 45

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

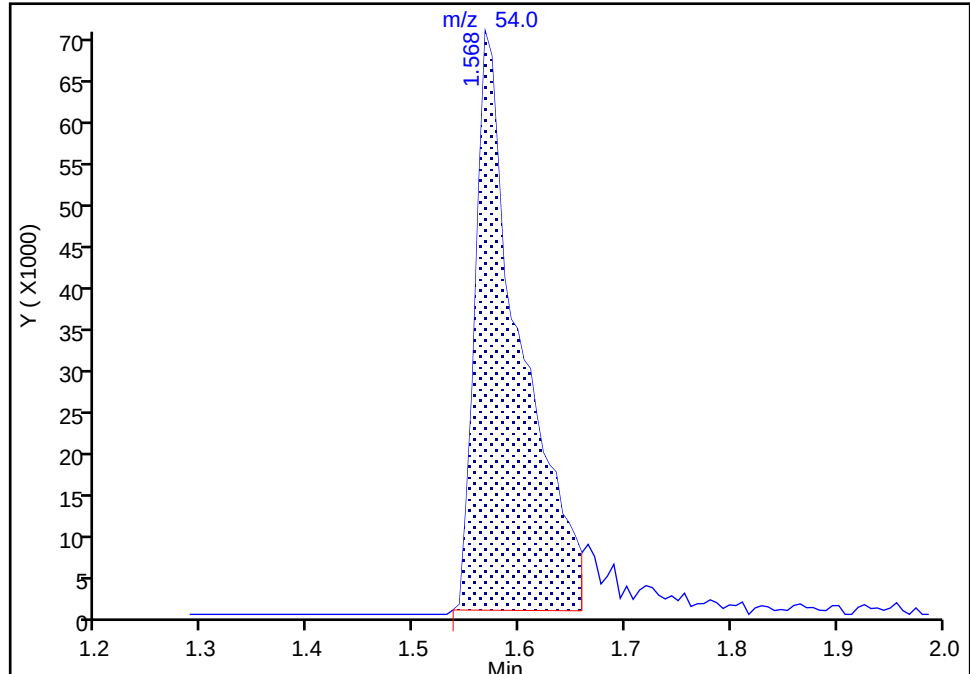
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1652.D
Injection Date: 19-Jul-2018 17:14:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 45 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

144 Butadiene, CAS: 106-99-0

Signal: 1

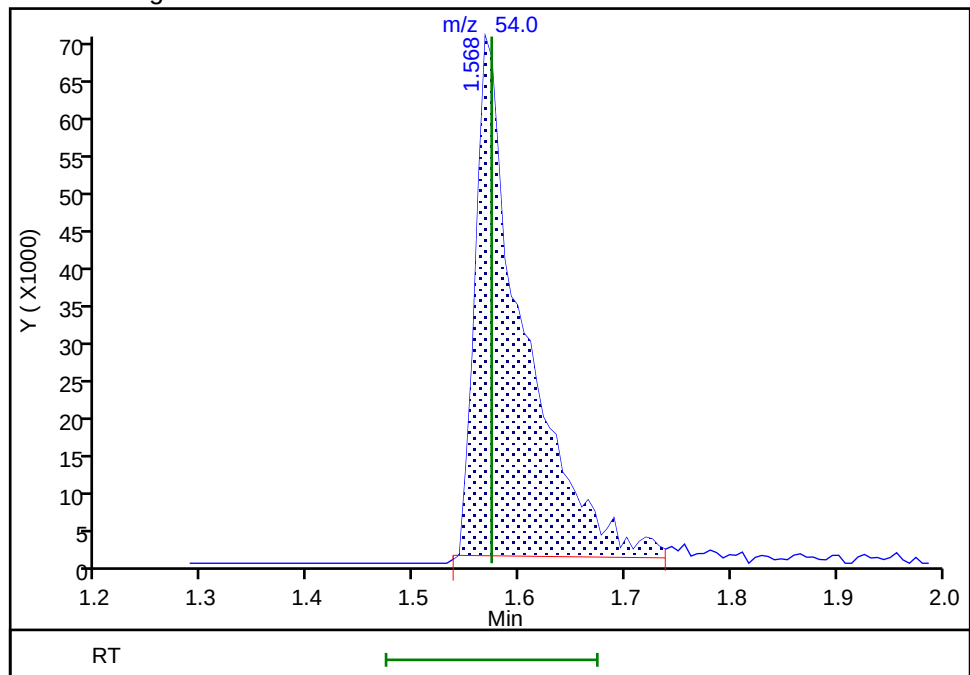
RT: 1.57
Area: 207007
Amount: 10.813295
Amount Units: ug/L

Processing Integration Results



RT: 1.57
Area: 218183
Amount: 10.772552
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:14:52
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

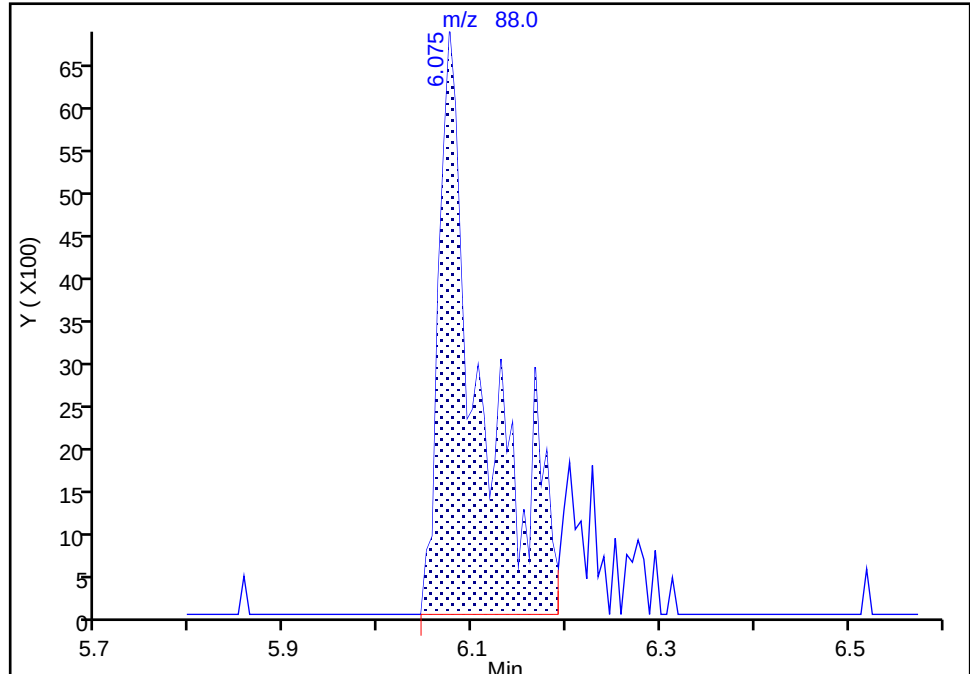
Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1652.D
Injection Date: 19-Jul-2018 17:14:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 45 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

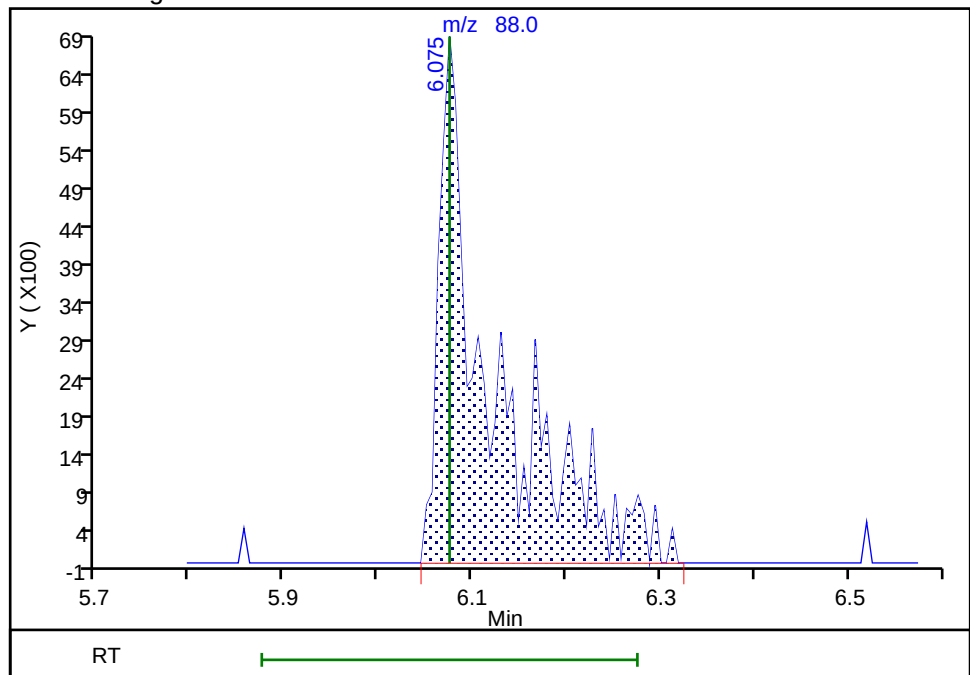
RT: 6.08
Area: 21078
Amount: 245.9412
Amount Units: ug/L

Processing Integration Results



RT: 6.08
Area: 25969
Amount: 228.4885
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:15:43
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1653.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 19-Jul-2018 17:42:30 ALS Bottle#: 46 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0073222-012
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 20-Jul-2018 13:45:01 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: HillL

Date: 19-Jul-2018 21:30:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	205403	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.338	0.000	88	755561	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.741	0.000	95	407034	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	0.000	60	258480	25.0	24.7	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	329638	25.0	23.7	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	96	998221	25.0	24.9	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	91	342720	25.0	25.4	
11 Dichlorodifluoromethane	85	1.294	1.294	0.000	97	310842	25.0	25.2	
13 Chloromethane	50	1.476	1.476	0.000	99	642386	25.0	24.2	
14 Vinyl chloride	62	1.549	1.549	0.000	96	446891	25.0	24.9	
144 Butadiene	54	1.574	1.574	0.000	94	548925	25.0	25.2	
15 Bromomethane	94	1.847	1.847	0.000	91	219212	25.0	24.1	
16 Chloroethane	64	1.945	1.945	0.000	96	232813	25.0	22.7	
17 Dichlorofluoromethane	67	2.139	2.139	0.000	94	506758	25.0	23.7	
18 Trichlorofluoromethane	101	2.151	2.151	0.000	85	393551	25.0	23.5	
19 Ethyl ether	59	2.431	2.431	0.000	96	383318	25.0	23.9	
20 Acrolein	56	2.583	2.583	0.000	99	349869	125.0	117.6	
21 1,1,2-Trichloro-1,2,2-trif	101	2.638	2.638	0.000	44	239416	25.0	23.9	
22 1,1-Dichloroethene	96	2.638	2.638	0.000	91	261737	25.0	25.3	
23 Acetone	43	2.735	2.735	0.000	97	721316	125.0	123.4	
24 Iodomethane	142	2.784	2.784	0.000	100	463466	25.0	24.0	
25 Carbon disulfide	76	2.833	2.833	0.000	99	805602	25.0	25.8	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	86	768127	25.0	24.8	
28 Methyl acetate	43	3.034	3.034	0.000	99	980625	50.0	48.2	
30 Methylene Chloride	84	3.125	3.125	0.000	90	307490	25.0	22.2	
31 2-Methyl-2-propanol	59	3.289	3.289	0.000	96	284524	250.0	282.1	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	95	924317	25.0	24.8	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	91	311063	25.0	25.0	
34 Acrylonitrile	53	3.386	3.386	0.000	97	2125970	250.0	236.4	
35 Hexane	57	3.581	3.581	0.000	97	660402	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
36 1,1-Dichloroethane	63	3.764	3.764	0.000	97	628489	25.0	24.2	
39 Vinyl acetate	43	3.818	3.818	0.000	97	2210968	50.0	54.8	
42 2,2-Dichloropropane	77	4.281	4.281	0.000	83	332548	25.0	23.2	
43 cis-1,2-Dichloroethene	96	4.305	4.305	0.000	88	342905	25.0	24.1	
44 2-Butanone (MEK)	43	4.335	4.335	0.000	97	1414341	125.0	128.7	
47 Chlorobromomethane	128	4.536	4.536	0.000	87	165778	25.0	24.7	
49 Tetrahydrofuran	42	4.567	4.567	0.000	94	375436	50.0	49.1	
50 Chloroform	83	4.615	4.615	0.000	97	529131	25.0	23.8	
51 1,1,1-Trichloroethane	97	4.743	4.743	0.000	96	431960	25.0	25.8	
52 Cyclohexane	56	4.767	4.767	0.000	94	698910	25.0	24.2	
53 Carbon tetrachloride	117	4.889	4.889	0.000	96	367987	25.0	24.0	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	86	408724	25.0	25.1	
56 Isobutyl alcohol	43	5.090	5.090	0.000	93	603552	625.0	639.1	
55 Benzene	78	5.090	5.090	0.000	95	1218231	25.0	24.7	
57 1,2-Dichloroethane	62	5.139	5.139	0.000	96	527303	25.0	23.6	
59 n-Heptane	43	5.303	5.303	0.000	96	808372	25.0	25.4	
60 Trichloroethene	95	5.698	5.698	0.000	94	319252	25.0	26.0	
62 Methylcyclohexane	83	5.838	5.838	0.000	95	542683	25.0	25.2	
63 1,2-Dichloropropane	63	5.929	5.929	0.000	87	350620	25.0	23.9	
64 Dibromomethane	93	6.057	6.057	0.000	94	191583	25.0	24.3	
66 1,4-Dioxane	88	6.069	6.069	0.000	88	61570	500.0	507.0	
67 Dichlorobromomethane	83	6.209	6.209	0.000	96	395683	25.0	25.9	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	86	254691	25.0	26.2	
71 cis-1,3-Dichloropropene	75	6.629	6.629	0.000	86	447465	25.0	26.8	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	98	1030253	125.0	134.4	
73 Toluene	92	6.933	6.933	0.000	97	742935	25.0	25.8	
75 trans-1,3-Dichloropropene	75	7.189	7.189	0.000	92	400791	25.0	27.0	
77 Ethyl methacrylate	69	7.256	7.256	0.000	90	378133	25.0	27.5	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	94	228531	25.0	24.7	
79 Tetrachloroethene	166	7.475	7.475	0.000	95	340520	25.0	26.2	
80 1,3-Dichloropropane	76	7.542	7.542	0.000	91	468473	25.0	26.0	
82 2-Hexanone	43	7.615	7.615	0.000	98	2142098	125.0	139.6	
83 Chlorodibromomethane	129	7.773	7.773	0.000	89	293798	25.0	27.3	
84 Ethylene Dibromide	107	7.876	7.876	0.000	97	291855	25.0	25.0	
85 Chlorobenzene	112	8.369	8.369	0.000	93	862853	25.0	25.4	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	91	300204	25.0	26.1	
88 Ethylbenzene	91	8.472	8.472	0.000	98	1373268	25.0	26.2	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	570608	25.0	27.5	
91 o-Xylene	106	9.020	9.020	0.000	97	546198	25.0	26.6	
92 Styrene	104	9.044	9.044	0.000	94	930600	25.0	27.6	
93 Bromoform	173	9.269	9.269	0.000	97	191067	25.0	25.9	
95 Isopropylbenzene	105	9.409	9.409	0.000	96	1424619	25.0	27.4	
97 Bromobenzene	156	9.744	9.744	0.000	89	377186	25.0	25.4	
98 1,1,2,2-Tetrachloroethane	83	9.780	9.780	0.000	97	391501	25.0	25.2	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	92	129574	25.0	25.7	
101 trans-1,4-Dichloro-2-buten	53	9.829	9.829	0.000	75	148004	25.0	25.8	
100 N-Propylbenzene	91	9.841	9.841	0.000	99	1613912	25.0	27.0	
102 2-Chlorotoluene	126	9.938	9.938	0.000	96	338958	25.0	24.8	
104 1,3,5-Trimethylbenzene	105	10.018	10.018	0.000	95	1146931	25.0	26.9	
105 4-Chlorotoluene	91	10.048	10.048	0.000	98	1104759	25.0	26.6	
106 tert-Butylbenzene	134	10.340	10.340	0.000	94	282505	25.0	28.7	
108 1,2,4-Trimethylbenzene	105	10.395	10.395	0.000	97	1215523	25.0	27.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	94	1547104	25.0	27.2	
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	99	689769	25.0	25.8	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	98	1410866	25.0	27.7	
113 1,4-Dichlorobenzene	146	10.760	10.760	0.000	94	715464	25.0	25.8	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	1162743	25.0	27.0	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	96	666148	25.0	25.9	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.837	0.000	79	62873	25.0	25.6	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	96	465524	25.0	26.0	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	96	233758	25.0	26.4	
121 Naphthalene	128	12.737	12.737	0.000	97	1242589	25.0	26.6	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	95	424504	25.0	26.2	

Reagents:

8260 CORP mix_00129	Amount Added: 12.50	Units: uL	
GAS CORP mix_00291	Amount Added: 12.50	Units: uL	
N_8260_Surr_00336	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00120	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180719-73222.b\\N1653.D

Injection Date: 19-Jul-2018 17:42:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: ICIS 5

Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL

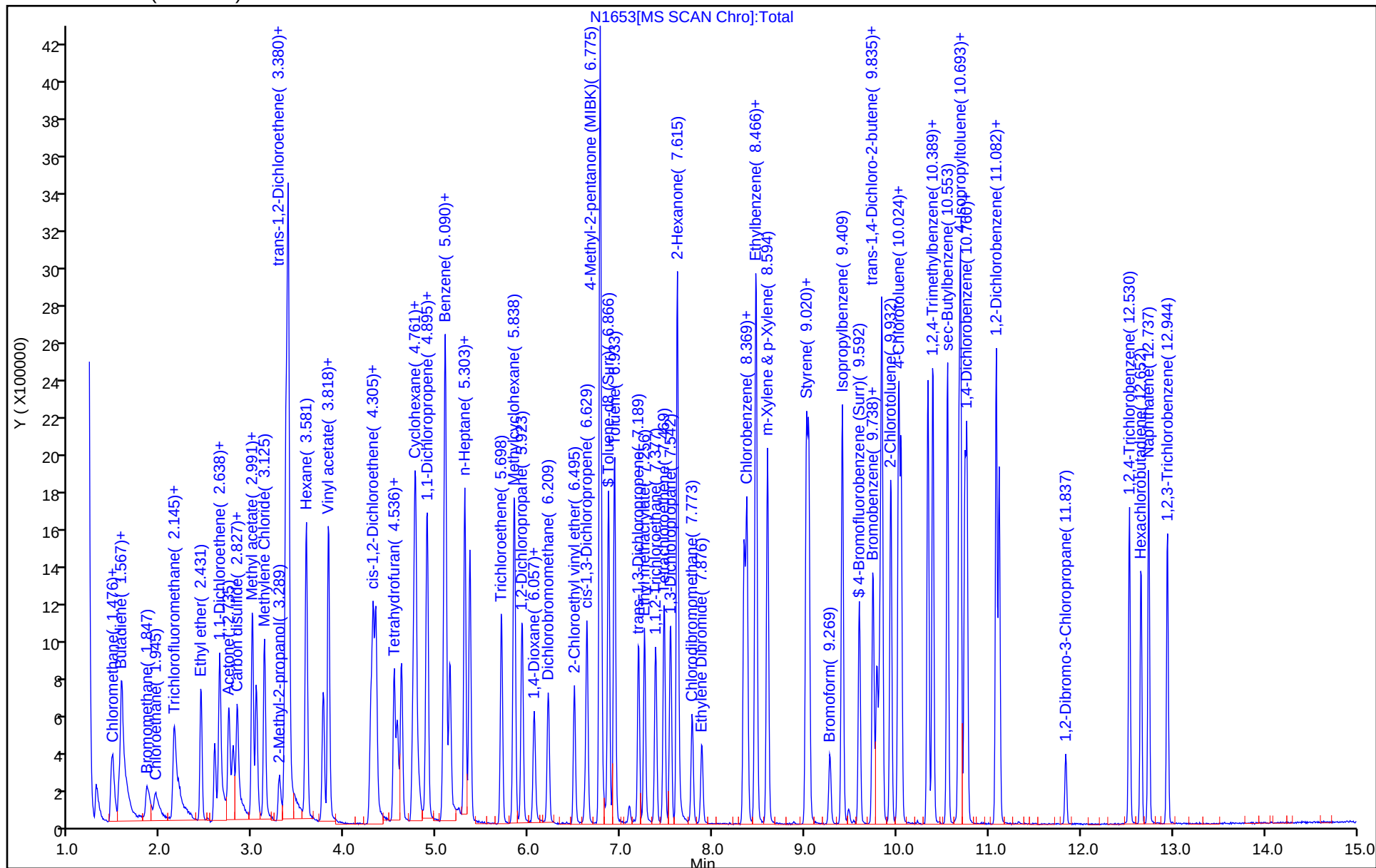
Dil. Factor: 1.0000

ALS Bottle#: 46

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1654.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 19-Jul-2018 18:08:30 ALS Bottle#: 47 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0073222-013
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 20-Jul-2018 13:45:09 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: HillL

Date: 19-Jul-2018 22:20:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	204643	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.338	0.001	90	733407	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.741	0.001	94	407935	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.761	4.767	-0.006	51	257996	25.0	24.7	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	330828	25.0	23.9	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	979709	25.0	25.1	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	92	334205	25.0	25.5	
11 Dichlorodifluoromethane	85	1.294	1.294	0.000	98	612332	50.0	49.9	
13 Chloromethane	50	1.464	1.476	-0.012	99	1236623	50.0	46.8	
14 Vinyl chloride	62	1.543	1.549	-0.006	96	854697	50.0	47.8	
144 Butadiene	54	1.568	1.574	-0.006	93	1041437	50.0	47.9	
15 Bromomethane	94	1.847	1.847	0.000	92	419133	50.0	46.3	
16 Chloroethane	64	1.933	1.945	-0.012	95	465810	50.0	45.7	
17 Dichlorofluoromethane	67	2.139	2.139	0.000	98	948897	50.0	44.5	
18 Trichlorofluoromethane	101	2.145	2.151	-0.006	93	747142	50.0	44.8	
19 Ethyl ether	59	2.431	2.431	0.000	95	740303	50.0	46.3	
20 Acrolein	56	2.584	2.583	0.001	99	686251	250.0	231.5	
22 1,1-Dichloroethene	96	2.632	2.638	-0.006	92	498369	50.0	48.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.632	2.638	-0.006	43	491417	50.0	49.0	
23 Acetone	43	2.736	2.735	0.001	98	1376674	250.0	236.4	
24 Iodomethane	142	2.778	2.784	-0.006	99	929338	50.0	48.3	
25 Carbon disulfide	76	2.827	2.833	-0.006	99	1666717	50.0	53.5	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	87	1547196	50.0	50.0	
28 Methyl acetate	43	3.034	3.034	0.000	100	1924891	100.0	94.9	
30 Methylene Chloride	84	3.119	3.125	-0.006	90	589791	50.0	42.8	
31 2-Methyl-2-propanol	59	3.289	3.289	0.000	95	505363	500.0	502.9	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	95	1897056	50.0	51.2	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	93	585055	50.0	47.1	
34 Acrylonitrile	53	3.380	3.386	-0.006	98	4579423	500.0	511.2	
35 Hexane	57	3.575	3.581	-0.006	96	1249344	50.0	48.2	

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	3.764	3.764	0.000	96	1268418	50.0	49.1	
39 Vinyl acetate	43	3.818	3.818	0.000	97	4356043	100.0	108.3	
42 2,2-Dichloropropane	77	4.281	4.281	0.000	85	706793	50.0	49.4	
43 cis-1,2-Dichloroethene	96	4.305	4.305	0.000	85	682076	50.0	48.1	
44 2-Butanone (MEK)	43	4.336	4.335	0.001	96	2773743	250.0	253.4	
47 Chlorobromomethane	128	4.536	4.536	0.000	86	328651	50.0	49.2	
49 Tetrahydrofuran	42	4.567	4.567	0.000	93	781732	100.0	102.7	
50 Chloroform	83	4.615	4.615	0.000	95	1014339	50.0	45.8	
51 1,1,1-Trichloroethane	97	4.743	4.743	0.000	97	826282	50.0	49.5	
52 Cyclohexane	56	4.761	4.767	-0.006	94	1398584	50.0	48.3	
53 Carbon tetrachloride	117	4.883	4.889	-0.006	97	726998	50.0	47.6	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	86	778974	50.0	48.1	
56 Isobutyl alcohol	43	5.084	5.090	-0.006	58	1228312	1250.0	1305.5	
55 Benzene	78	5.090	5.090	0.000	94	2324130	50.0	47.4	
57 1,2-Dichloroethane	62	5.139	5.139	0.001	95	1010131	50.0	45.3	
59 n-Heptane	43	5.303	5.303	0.000	97	1519936	50.0	47.9	
60 Trichloroethene	95	5.698	5.698	0.000	94	608307	50.0	49.8	
62 Methylcyclohexane	83	5.838	5.838	0.000	95	1076354	50.0	50.2	
63 1,2-Dichloropropane	63	5.923	5.929	-0.006	89	693858	50.0	47.5	
64 Dibromomethane	93	6.057	6.057	0.000	92	370293	50.0	47.2	
66 1,4-Dioxane	88	6.069	6.069	0.000	98	128413	1000.0	1089.4	
67 Dichlorobromomethane	83	6.209	6.209	0.000	95	756451	50.0	49.7	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	88	480317	50.0	49.6	
71 cis-1,3-Dichloropropene	75	6.629	6.629	0.000	86	880201	50.0	52.9	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	98	1951592	250.0	262.4	
73 Toluene	92	6.933	6.933	0.000	97	1423764	50.0	50.9	
75 trans-1,3-Dichloropropene	75	7.189	7.189	0.000	93	800421	50.0	55.5	
77 Ethyl methacrylate	69	7.256	7.256	0.000	90	732086	50.0	54.9	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	95	441174	50.0	49.0	
79 Tetrachloroethene	166	7.469	7.475	-0.006	96	631237	50.0	50.0	
80 1,3-Dichloropropane	76	7.536	7.542	-0.006	91	853490	50.0	48.8	
82 2-Hexanone	43	7.615	7.615	0.000	99	3922877	250.0	263.4	
83 Chlorodibromomethane	129	7.773	7.773	0.000	89	574807	50.0	55.0	
84 Ethylene Dibromide	107	7.882	7.876	0.006	100	548580	50.0	48.3	
85 Chlorobenzene	112	8.369	8.369	0.000	93	1626793	50.0	49.3	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	92	585567	50.0	52.5	
88 Ethylbenzene	91	8.472	8.472	0.000	98	2631225	50.0	51.7	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	1064958	50.0	52.8	
91 o-Xylene	106	9.020	9.020	0.000	98	1061900	50.0	53.3	
92 Styrene	104	9.044	9.044	0.000	95	1758447	50.0	53.7	
93 Bromoform	173	9.269	9.269	0.000	97	398952	50.0	55.6	
95 Isopropylbenzene	105	9.409	9.409	0.000	96	2708581	50.0	51.9	
97 Bromobenzene	156	9.744	9.744	0.000	88	724624	50.0	48.7	
98 1,1,2,2-Tetrachloroethane	83	9.780	9.780	0.000	94	763231	50.0	48.9	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	92	249716	50.0	49.5	
101 trans-1,4-Dichloro-2-buten	53	9.829	9.829	0.000	77	293732	50.0	50.4	
100 N-Propylbenzene	91	9.841	9.841	0.000	99	3112695	50.0	51.9	
102 2-Chlorotoluene	126	9.932	9.938	-0.006	96	661888	50.0	48.3	
104 1,3,5-Trimethylbenzene	105	10.018	10.018	0.000	96	2225490	50.0	52.1	
105 4-Chlorotoluene	91	10.042	10.048	-0.006	98	2052428	50.0	49.2	
106 tert-Butylbenzene	134	10.340	10.340	0.000	93	534252	50.0	54.2	
108 1,2,4-Trimethylbenzene	105	10.395	10.395	0.000	98	2266399	50.0	51.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	94	2850725	50.0	49.9	
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	98	1303908	50.0	48.7	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	98	2616547	50.0	51.2	
113 1,4-Dichlorobenzene	146	10.766	10.760	0.006	98	1340463	50.0	48.2	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	2129787	50.0	49.3	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	98	1273727	50.0	49.4	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.837	0.000	83	133481	50.0	54.2	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	95	862789	50.0	48.1	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	97	409679	50.0	46.2	
121 Naphthalene	128	12.737	12.737	0.000	97	2534856	50.0	54.2	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	95	801293	50.0	49.4	
S 124 1,2-Dichloroethene, Total	1				0			95.2	
S 125 Total BTEX	1				0			256.2	
S 126 Xylenes, Total	1				0			106.2	
S 123 1,3-Dichloropropene, Total	1				0			108.4	

Reagents:

8260 CORP mix_00129	Amount Added: 25.00	Units: uL	
GAS CORP mix_00291	Amount Added: 25.00	Units: uL	
N_8260_Surr_00336	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00120	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180719-73222.b\\N1654.D

Injection Date: 19-Jul-2018 18:08:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 6

Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL

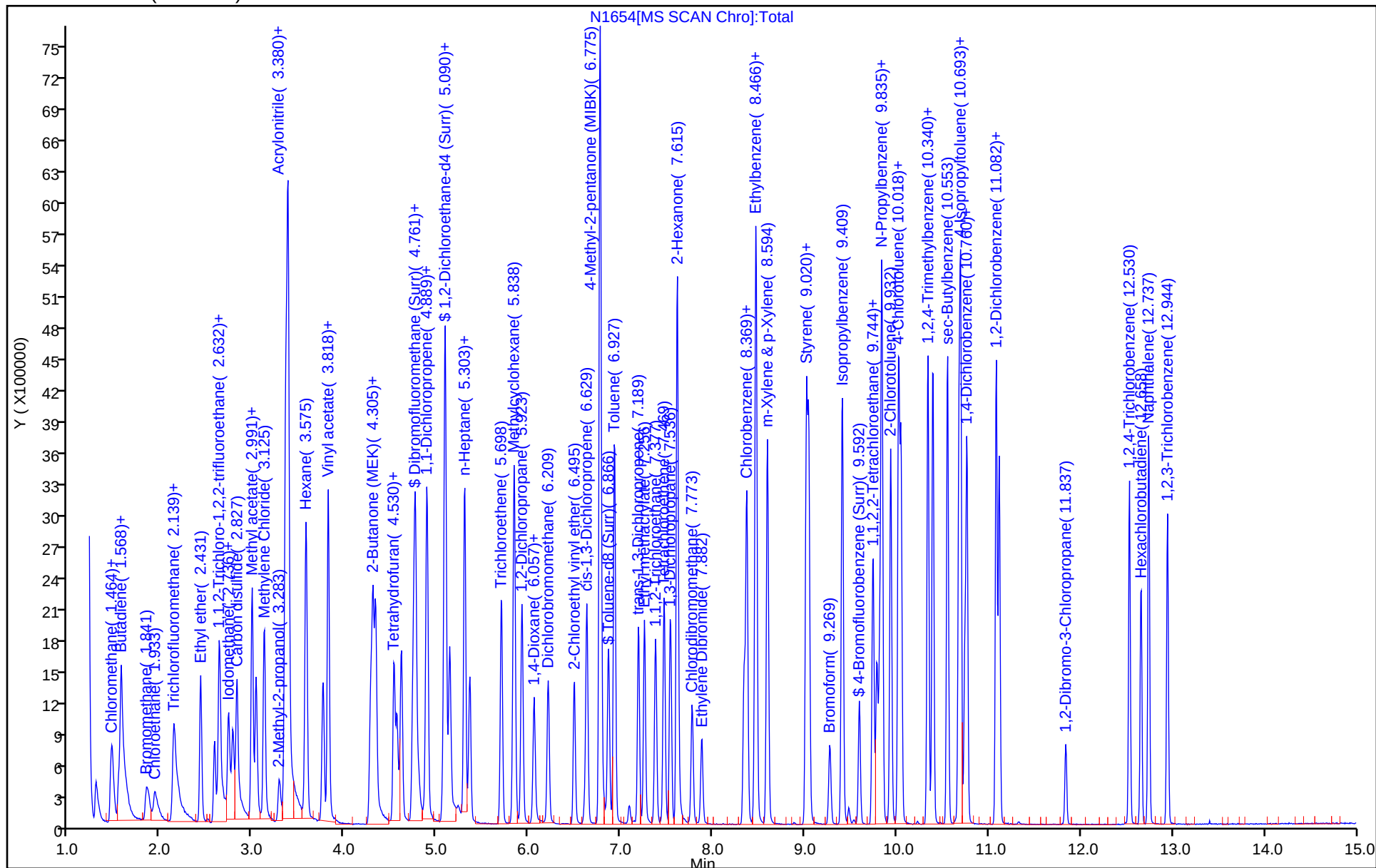
Dil. Factor: 1.0000

ALS Bottle#: 47

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1655.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 19-Jul-2018 18:36:30 ALS Bottle#: 48 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0073222-014
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 20-Jul-2018 13:45:16 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: HillL

Date: 19-Jul-2018 22:22:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	208426	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.338	0.001	88	758504	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.741	0.001	94	384119	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.768	4.767	0.001	42	253737	25.0	23.9	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	340614	25.0	24.1	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	983764	25.0	24.4	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.592	0.006	95	323230	25.0	23.8	
11 Dichlorodifluoromethane	85	1.294	1.294	0.000	98	1299764	100.0	104.0	
13 Chloromethane	50	1.470	1.476	-0.006	100	2517368	100.0	93.5	
14 Vinyl chloride	62	1.549	1.549	0.000	97	1772029	100.0	97.2	
144 Butadiene	54	1.574	1.574	0.000	94	2176427	100.0	98.3	
15 Bromomethane	94	1.847	1.847	0.000	92	872025	100.0	94.7	
16 Chloroethane	64	1.939	1.945	-0.006	96	934190	100.0	90.0	
17 Dichlorofluoromethane	67	2.139	2.139	0.000	97	2011856	100.0	92.6	
18 Trichlorofluoromethane	101	2.152	2.151	0.001	98	1655978	100.0	97.4	
19 Ethyl ether	59	2.431	2.431	0.000	96	1529286	100.0	94.0	
20 Acrolein	56	2.584	2.583	0.001	99	1391669	500.0	460.9	
22 1,1-Dichloroethene	96	2.638	2.638	0.000	91	1046151	100.0	99.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.644	2.638	0.006	57	1031188	100.0	100.8	
23 Acetone	43	2.736	2.735	0.001	98	2937853	500.0	495.3	
24 Iodomethane	142	2.784	2.784	0.000	99	1872251	100.0	95.6	
25 Carbon disulfide	76	2.827	2.833	-0.006	99	3446155	100.0	108.6	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	88	3240324	100.0	102.9	
28 Methyl acetate	43	3.034	3.034	0.000	100	3697516	200.0	179.0	
30 Methylene Chloride	84	3.125	3.125	0.000	91	1200606	100.0	85.5	
31 2-Methyl-2-propanol	59	3.283	3.289	-0.006	96	1145767	1000.0	1119.4	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	96	3807324	100.0	100.8	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	92	1231836	100.0	97.4	
34 Acrylonitrile	53	3.380	3.386	-0.006	99	8657501	1000.0	948.8	
35 Hexane	57	3.581	3.581	0.000	96	2668962	100.0	101.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.764	3.764	0.000	97	2571650	100.0	97.7	
39 Vinyl acetate	43	3.818	3.818	0.000	96	9490720	200.0	231.8	
42 2,2-Dichloropropane	77	4.287	4.281	0.006	85	1428991	100.0	98.0	
43 cis-1,2-Dichloroethene	96	4.311	4.305	0.006	85	1377073	100.0	95.3	
44 2-Butanone (MEK)	43	4.336	4.335	0.001	96	5404208	500.0	484.7	
47 Chlorobromomethane	128	4.536	4.536	0.000	87	669416	100.0	98.3	
49 Tetrahydrofuran	42	4.567	4.567	0.000	94	1501113	200.0	193.6	
50 Chloroform	83	4.615	4.615	0.000	96	2121858	100.0	94.0	
51 1,1,1-Trichloroethane	97	4.743	4.743	0.000	97	1762494	100.0	103.7	
52 Cyclohexane	56	4.768	4.767	0.001	98	3012892	100.0	102.0	
53 Carbon tetrachloride	117	4.889	4.889	0.000	96	1570912	100.0	101.1	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	88	1655748	100.0	100.4	
56 Isobutyl alcohol	43	5.084	5.090	-0.006	95	2664026	2500.0	2780.1	
55 Benzene	78	5.090	5.090	0.000	96	4914701	100.0	98.4	
57 1,2-Dichloroethane	62	5.139	5.139	0.001	95	2073146	100.0	91.4	
59 n-Heptane	43	5.303	5.303	0.000	97	3261423	100.0	100.9	
60 Trichloroethene	95	5.698	5.698	0.000	94	1270291	100.0	102.1	
62 Methylcyclohexane	83	5.838	5.838	0.000	96	2231852	100.0	102.2	
63 1,2-Dichloropropane	63	5.923	5.929	-0.006	90	1449334	100.0	97.5	
64 Dibromomethane	93	6.057	6.057	0.000	93	780200	100.0	97.6	
66 1,4-Dioxane	88	6.069	6.069	0.000	88	265068	2000.0	2174.3	M
67 Dichlorobromomethane	83	6.209	6.209	0.000	96	1617841	100.0	104.4	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	87	1080277	100.0	109.6	
71 cis-1,3-Dichloropropene	75	6.629	6.629	0.000	89	1922454	100.0	113.5	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	98	4182500	500.0	543.6	
73 Toluene	92	6.933	6.933	0.000	97	3048658	100.0	105.4	
75 trans-1,3-Dichloropropene	75	7.189	7.189	0.000	94	1776139	100.0	119.0	
77 Ethyl methacrylate	69	7.256	7.256	0.000	90	1622238	100.0	117.7	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	94	925421	100.0	99.5	
79 Tetrachloroethene	166	7.475	7.475	0.000	96	1362394	100.0	104.3	
80 1,3-Dichloropropane	76	7.542	7.542	0.000	92	1858206	100.0	102.7	
82 2-Hexanone	43	7.615	7.615	0.000	98	8524788	500.0	553.4	
83 Chlorodibromomethane	129	7.779	7.773	0.006	91	1244785	100.0	115.1	
84 Ethylene Dibromide	107	7.882	7.876	0.006	98	1207533	100.0	102.9	
85 Chlorobenzene	112	8.369	8.369	0.000	93	3488480	100.0	102.3	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	93	1227282	100.0	106.4	
88 Ethylbenzene	91	8.472	8.472	0.000	98	5537534	100.0	105.3	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	2248097	100.0	107.8	
91 o-Xylene	106	9.020	9.020	0.000	97	2188549	100.0	106.3	
92 Styrene	104	9.044	9.044	0.000	95	3670544	100.0	108.3	
93 Bromoform	173	9.269	9.269	0.000	97	877068	100.0	118.3	
95 Isopropylbenzene	105	9.409	9.409	0.000	96	5355174	100.0	109.0	
97 Bromobenzene	156	9.744	9.744	0.000	88	1474307	100.0	105.1	
98 1,1,2,2-Tetrachloroethane	83	9.786	9.780	0.006	96	1557964	100.0	106.1	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	90	486464	100.0	102.3	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.829	0.006	84	642770	100.0	116.0	
100 N-Propylbenzene	91	9.841	9.841	0.000	99	6045000	100.0	107.0	
102 2-Chlorotoluene	126	9.939	9.938	0.001	96	1282014	100.0	99.3	
104 1,3,5-Trimethylbenzene	105	10.024	10.018	0.006	95	4208884	100.0	104.6	
105 4-Chlorotoluene	91	10.048	10.048	0.000	98	4137856	100.0	105.4	
106 tert-Butylbenzene	134	10.340	10.340	0.000	94	998286	100.0	107.5	
108 1,2,4-Trimethylbenzene	105	10.395	10.395	0.000	97	4346829	100.0	105.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	94	5409053	100.0	100.6	
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	99	2574635	100.0	102.1	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	98	4976096	100.0	103.5	
113 1,4-Dichlorobenzene	146	10.766	10.760	0.006	98	2660500	100.0	101.7	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	4119352	100.0	101.2	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	98	2510269	100.0	103.5	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.837	0.000	84	282382	100.0	121.7	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	94	1944364	100.0	115.0	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	97	899479	100.0	107.8	
121 Naphthalene	128	12.737	12.737	0.000	97	5594374	100.0	126.9	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	96	1879881	100.0	123.0	
S 124 1,2-Dichloroethene, Total	1				0			192.7	
S 125 Total BTEX	1				0			523.2	
S 126 Xylenes, Total	1				0			214.1	
S 123 1,3-Dichloropropene, Total	1				0			232.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00129

Amount Added: 50.00

Units: uL

GAS CORP mix_00291

Amount Added: 50.00

Units: uL

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1655.D

Injection Date: 19-Jul-2018 18:36:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: IC 7

Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL

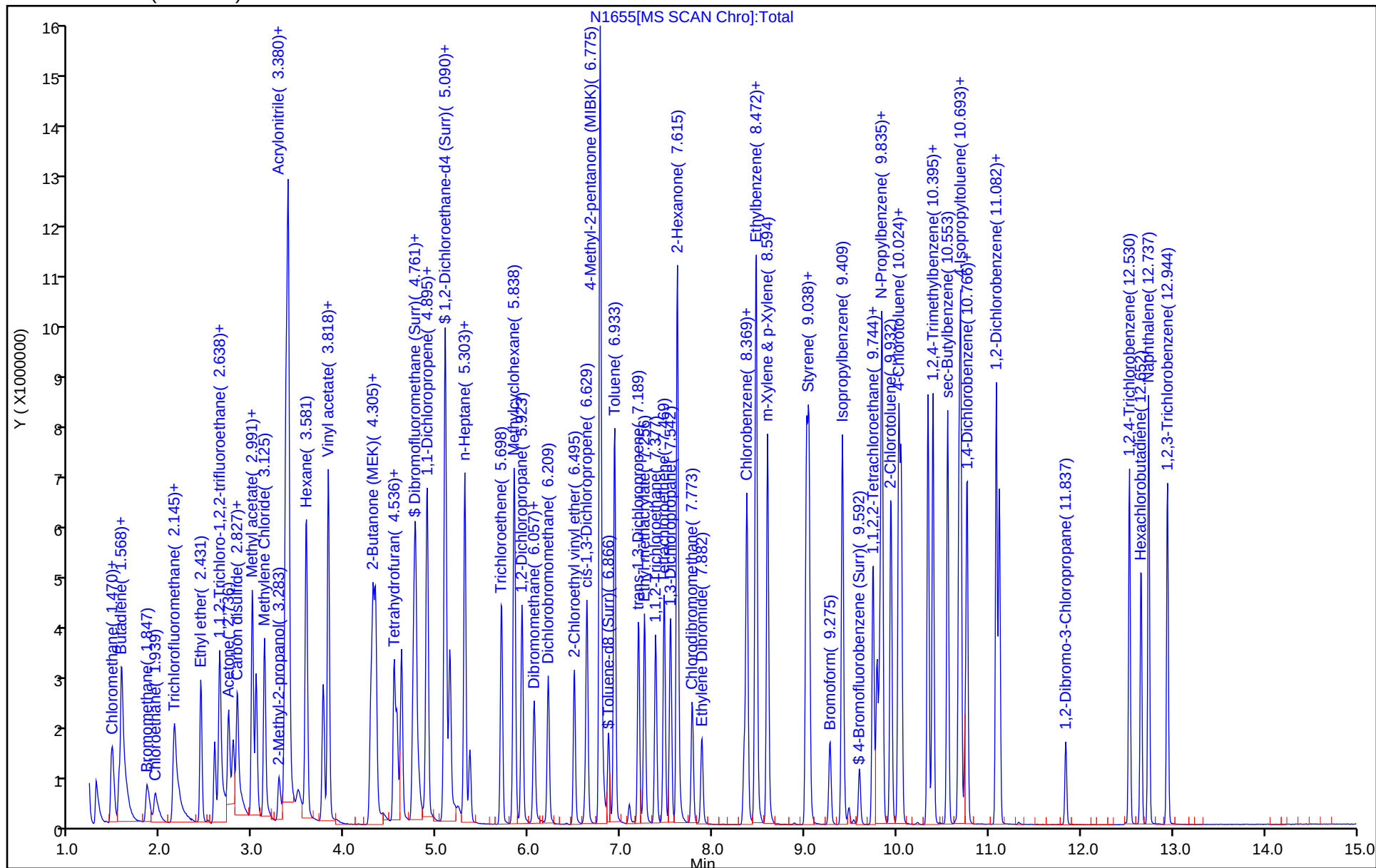
Dil. Factor: 1.0000

ALS Bottle#: 48

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1655.D

Injection Date: 19-Jul-2018 18:36:30

Instrument ID: HP5973N

Lims ID: IC 7

Client ID:

Operator ID: LH

ALS Bottle#:

48

Worklist Smp#: 14

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

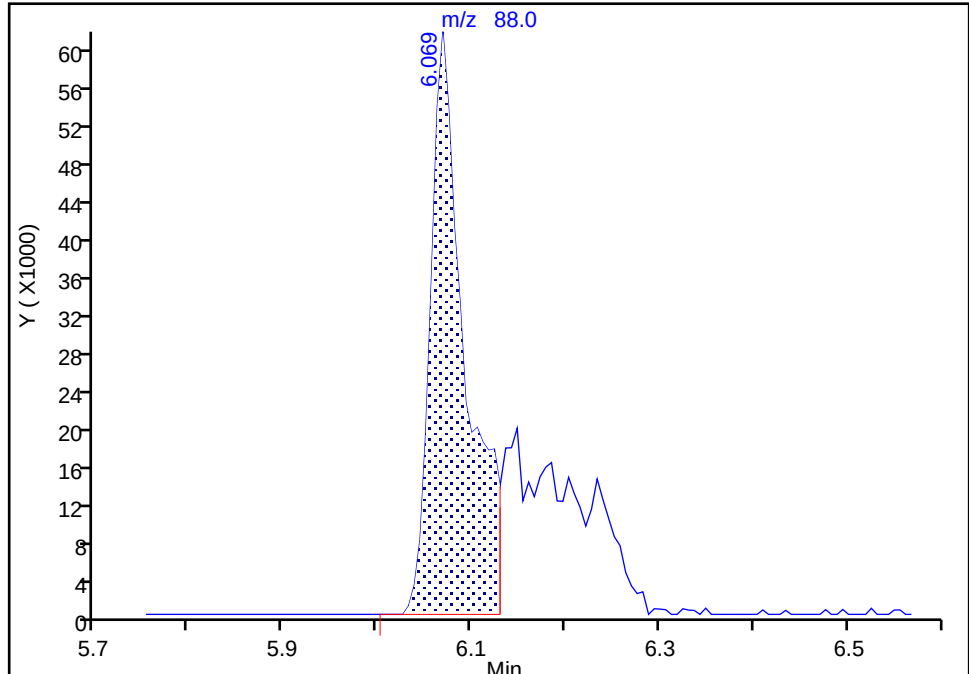
Detector: MS SCAN

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

Signal: 1

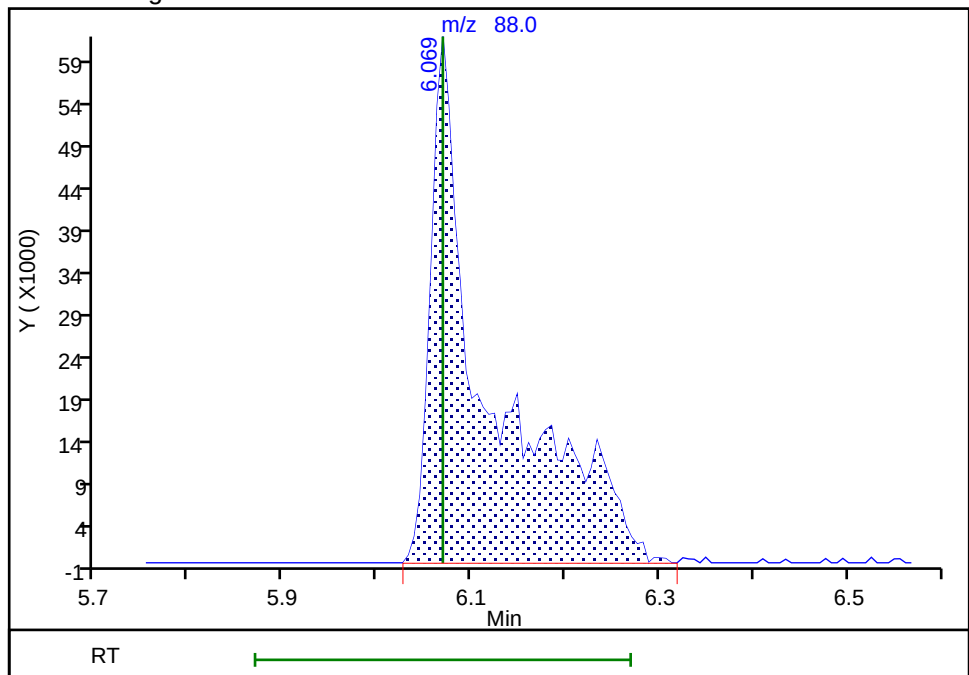
RT: 6.07
Area: 159204
Amount: 1660.8328
Amount Units: ug/L

Processing Integration Results



RT: 6.07
Area: 265068
Amount: 2174.3219
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:21:34

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 420621

SDG No.: _____

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

Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-420621/5	S2506.D
Level 2	IC 480-420621/6	S2507.D
Level 3	IC 480-420621/7	S2508.D
Level 4	IC 480-420621/8	S2509.D
Level 5	IC 480-420621/9	S2510.D
Level 6	ICIS 480-420621/10	S2511.D
Level 7	IC 480-420621/11	S2512.D
Level 8	IC 480-420621/12	S2513.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	1.0665	0.9361	0.9453	1.4718	1.2318	Ave		1.2041			0.1000	17.1		20.0			
	1.2589	1.4448	1.2775														
Chloromethane	1.7623	1.9509	1.9350	2.0155	1.9350	Ave		1.9125			0.1000	4.3		20.0			
	1.9306	1.9553	1.8158														
Vinyl chloride	1.6568	1.5657	1.6230	1.8470	1.6612	Ave		1.7007			0.1000	6.3		20.0			
	1.6908	1.8763	1.6849														
Butadiene	1.8620	1.7965	1.7020	1.9156	1.7306	Ave		1.7737				5.5		20.0			
	1.6494	1.8564	1.6775														
Bromomethane	0.9917	0.9861	0.8069	0.9617	0.8612	Ave		0.9114			0.1000	7.3		20.0			
	0.8747	0.9359	0.8729														
Chloroethane	+++++	1.0152	0.9560	1.1014	0.9788	Ave		1.0294			0.1000	5.4		20.0			
	1.0362	1.1005	1.0175														
Trichlorofluoromethane	1.3514	1.2497	1.5084	1.9155	1.5032	Ave		1.6115			0.1000	15.4		20.0			
	1.6874	1.9145	1.7620														
Dichlorofluoromethane	2.8785	2.4003	1.9931	2.4123	1.9710	Ave		2.2552				13.4		20.0			
	2.0907	2.1919	2.1039														
Ethyl ether	1.3529	1.2888	1.3634	1.5277	1.4614	Ave		1.4335				6.3		20.0			
	1.4756	1.5496	1.4488														
Acrolein	0.2835	0.2776	0.2421	0.2616	0.2595	Ave		0.2746				6.8		20.0			
	0.2882	0.2993	0.2849														
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++	0.5111	0.7470	1.0940	1.0244	Lin1	-0.369	0.9933			0.1000				0.9980		0.9900
	0.9341	0.9461	1.0076														
1,1-Dichloroethene	0.8917	0.7505	1.1564	1.2655	1.1826	Ave		1.1043			0.1000	16.5		20.0			
	1.1648	1.2089	1.2140														
Acetone	+++++	0.5585	0.5654	0.4830	0.4216	Ave		0.4810			0.1000	12.5		20.0			
	0.4184	0.4700	0.4500														
Iodomethane	1.2009	1.2126	1.4497	1.7945	1.7071	Ave		1.6150				17.9		20.0			
	1.7612	1.8969	1.8973														

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.: 480-138781-1 Analy Batch No.: 420621
SDG No.: _____
Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

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	3.3950 3.5530	2.7999 3.8268	3.4659 3.7169	3.9148	3.4911	Ave		3.5204			0.1000	9.8		20.0			
Allyl chloride	2.6942 2.0957	1.6922 2.1931	2.1081 2.1248	2.3194	1.9001	Ave		2.1409				13.7		20.0			
Methyl acetate	1.3560 1.1196	1.1715 1.2779	1.4665 1.2157	1.3271	1.1675	Ave		1.2627			0.1000	9.2		20.0			
Methylene Chloride	6.4996 1.4449	3.4907 1.4330	2.6242 1.3806	1.9329	1.5594	Lin1	2.4473	1.3618			0.1000				0.9990		0.9900
2-Methyl-2-propanol	++++ 0.1557	0.1363 0.1769	0.1472 0.1960	0.1598	0.1689	Ave		0.1630				12.1		20.0			
Methyl tert-butyl ether	4.1375 4.2209	3.7459 4.3401	4.1817 4.1626	4.2685	4.0491	Ave		4.1383			0.1000	4.4		20.0			
trans-1,2-Dichloroethene	1.0514 1.2945	1.1406 1.3219	1.2992 1.2872	1.4285	1.2872	Ave		1.2638			0.1000	9.2		20.0			
Acrylonitrile	0.6220 0.6716	0.6885 0.7132	0.6792 0.6639	0.6531	0.6780	Ave		0.6712				4.0		20.0			
Hexane	2.2114 2.2652	2.0959 2.4442	2.1205 2.4309	2.7772	2.2960	Ave		2.3302				9.5		20.0			
1,1-Dichloroethane	2.5389 2.6549	2.3884 2.7780	2.7132 2.6860	2.8305	2.7092	Ave		2.6624			0.2000	5.3		20.0			
Vinyl acetate	2.9127 3.1221	3.1111 3.0557	3.1275 2.8332	3.2000	3.1953	Ave		3.0697				4.3		20.0			
2,2-Dichloropropane	1.3363 1.5114	1.2926 1.5386	1.4757 1.5408	1.6651	1.4425	Ave		1.4754				8.1		20.0			
cis-1,2-Dichloroethene	1.3250 1.5154	1.2193 1.5485	1.3895 1.5021	1.5820	1.5363	Ave		1.4523			0.1000	8.8		20.0			
2-Butanone (MEK)	0.8114 0.7283	0.7148 0.7480	0.7158 0.7457	0.7321	0.7126	Ave		0.7386			0.1000	4.4		20.0			
Chlorobromomethane	0.5523 0.7433	0.6218 0.7417	0.7106 0.7173	0.7721	0.6916	Ave		0.6939				10.5		20.0			
Tetrahydrofuran	0.5100 0.5143	0.5916 0.5038	0.4911 0.5042	0.4629	0.4823	Ave		0.5075				7.5		20.0			
Chloroform	2.2184 2.2511	2.3256 2.3574	2.3450 2.2735	2.5367	2.2740	Ave		2.3227			0.2000	4.3		20.0			
1,1,1-Trichloroethane	1.6807 1.7550	1.4931 1.8613	1.6427 1.8405	1.8985	1.6762	Ave		1.7310			0.1000	7.8		20.0			
Cyclohexane	2.1504 2.4488	1.8163 2.5917	2.1665 2.6545	2.4471	2.3534	Ave		2.3286			0.1000	11.8		20.0			
Carbon tetrachloride	1.1105 1.5222	1.1651 1.6554	1.5214 1.6186	1.5803	1.4305	Ave		1.4505			0.1000	14.1		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.: 480-138781-1 Analy Batch No.: 420621
SDG No.: _____
Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

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	1.8731 1.7168	1.4205 1.8558	1.8938 1.8328	1.8298	1.6916	Ave		1.7643				8.9		20.0			
Benzene	5.1942 5.3896	4.7117 5.5287	5.2823 5.2725	5.7352	5.3147	Ave		5.3036			0.5000	5.6		20.0			
Isobutyl alcohol	0.0671 0.0668	0.0622 0.0750	0.0700 0.0764	0.0628	0.0685	Ave		0.0686				7.5		20.0			
1,2-Dichloroethane	2.0805 2.1099	2.0699 2.1793	2.2191 2.0867	2.2540	2.1430	Ave		2.1428			0.1000	3.2		20.0			
n-Heptane	2.3209 2.1075	1.9690 2.1545	2.1019 2.1373	2.4588	2.0887	Ave		2.1673				7.0		20.0			
Trichloroethene	1.3177 1.3771	1.1544 1.4170	1.3587 1.4162	1.5440	1.3610	Ave		1.3683			0.2000	8.0		20.0			
Methylcyclohexane	1.7990 2.1533	1.5990 2.3276	1.9460 2.2773	2.4588	2.1083	Ave		2.0837			0.1000	13.8		20.0			
1,2-Dichloropropane	1.4365 1.5812	1.5517 1.6696	1.6624 1.5781	1.6836	1.6365	Ave		1.6000			0.1000	5.1		20.0			
Dibromomethane	0.7897 0.8553	0.7556 0.8807	0.7750 0.8684	0.8635	0.8943	Ave		0.8353			0.1000	6.4		20.0			
1,4-Dioxane	++++ 0.0058	0.0019 0.0058	0.0036 0.0055	0.0043	0.0058	Lin1	-0.075	0.0057							0.9980		0.9900
Bromodichloromethane	1.3255 1.7458	1.3019 1.8412	1.4534 1.8150	1.7492	1.6384	Ave		1.6088			0.2000	13.6		20.0			
2-Chloroethyl vinyl ether	0.8987 1.1430	1.0935 1.1740	0.9247 1.1354	1.0863	1.0857	Ave		1.0677				9.5		20.0			
cis-1,3-Dichloropropene	1.7113 2.1494	1.7018 2.2435	1.9021 2.1801	2.1612	2.1330	Ave		2.0228			0.2000	10.8		20.0			
4-Methyl-2-pentanone (MIBK)	0.8176 0.7887	0.7729 0.7775	0.8747 0.7119	0.8128	0.8291	Ave		0.7981			0.1000	6.0		20.0			
Toluene	1.4932 1.6238	1.5773 1.7040	1.7421 1.7063	1.7553	1.6931	Ave		1.6619			0.4000	5.4		20.0			
trans-1,3-Dichloropropene	0.7668 0.9648	0.7879 1.0144	0.8905 1.0454	0.8818	0.9722	Ave		0.9155			0.1000	11.1		20.0			
Ethyl methacrylate	0.6799 0.9439	0.8300 0.9611	0.9006 0.9825	0.9328	0.9491	Ave		0.8975				11.1		20.0			
1,1,2-Trichloroethane	0.4116 0.4978	0.4735 0.5176	0.5613 0.5217	0.5195	0.5023	Ave		0.5007			0.1000	8.8		20.0			
Tetrachloroethene	0.6925 0.6880	0.6277 0.7351	0.6985 0.7322	0.7337	0.7060	Ave		0.7017			0.2000	5.1		20.0			
1,3-Dichloropropane	0.9225 1.0482	1.0197 1.0980	1.1380 1.0980	1.0186	1.1041	Ave		1.0559				6.5		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 420621
SDG No.: _____
Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

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	0.5897 0.5765	0.5749 0.5711	0.6269 0.5367	0.6138	0.6103	Ave		0.5875			0.1000	4.9		20.0			
Dibromochloromethane	0.3992 0.6085	0.4622 0.6535	0.5746 0.6922	0.5631	0.6019	Ave		0.5694			0.1000	17.0		20.0			
1,2-Dibromoethane	0.5204 0.6216	0.6798 0.6443	0.6333 0.6522	0.6498	0.6452	Ave		0.6308				7.6		20.0			
Chlorobenzene	1.8118 1.7992	1.5610 1.8673	1.9020 1.8548	1.9177	1.8555	Ave		1.8212			0.5000	6.2		20.0			
Ethylbenzene	2.6561 2.9895	2.6563 3.0996	3.2172 2.9793	3.2411	3.1222	Ave		2.9952			0.1000	7.6		20.0			
1,1,1,2-Tetrachloroethane	0.4433 0.6070	0.5314 0.6466	0.6090 0.6704	0.5787	0.6253	Ave		0.5890				12.3		20.0			
m,p-Xylene	1.2373 1.1561	1.1556 1.2284	1.2508 1.2629	1.2609	1.1952	Ave		1.2184			0.1000	3.6		20.0			
o-Xylene	1.0045 1.1613	0.9780 1.2163	1.2332 1.2250	1.2192	1.2136	Ave		1.1564			0.3000	9.0		20.0			
Styrene	1.8152 2.0224	1.6328 2.1117	2.0436 2.1105	2.0942	2.0471	Ave		1.9847			0.3000	8.6		20.0			
Bromoform	0.2877 0.3850	0.3141 0.4304	0.3156 0.4701	0.3317	0.3750	Ave		0.3637			0.1000	17.4		20.0			
Isopropylbenzene	2.8187 3.2334	2.6604 3.2502	3.2717 3.1740	3.5120	3.2946	Ave		3.1519			0.1000	8.8		20.0			
Bromobenzene	0.7185 0.8335	0.6972 0.8144	0.8005 0.8430	0.8368	0.8355	Ave		0.7974				7.2		20.0			
1,1,2,2-Tetrachloroethane	0.8554 0.8631	0.7756 0.8499	0.8473 0.8656	0.9010	0.8934	Ave		0.8564			0.3000	4.4		20.0			
N-Propylbenzene	3.3950 3.7788	3.0422 3.7479	3.7585 3.5471	4.0917	3.8709	Ave		3.6540				8.8		20.0			
1,2,3-Trichloropropane	0.2961 0.2956	0.2105 0.2987	0.2592 0.2930	0.2999	0.3025	Ave		0.2819				11.3		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.3124	0.1809 0.3116	0.2095 ++++	0.2457	0.2760	Lin1	-0.183	0.3127							0.9980		0.9900
2-Chlorotoluene	0.9499 0.7905	0.6127 0.7783	0.7784 0.7925	0.8076	0.7823	Ave		0.7865				11.5		20.0			
1,3,5-Trimethylbenzene	2.6880 2.7560	2.4032 2.7485	2.7675 2.6995	2.8892	2.9233	Ave		2.7344				5.8		20.0			
4-Chlorotoluene	0.6916 0.8473	0.6714 0.8358	0.8732 0.8485	0.8432	0.8364	Ave		0.8059				9.7		20.0			
tert-Butylbenzene	0.4442 0.6248	0.4824 0.6328	0.5740 0.6377	0.6554	0.6120	Ave		0.5829				13.4		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.: 480-138781-1 Analy Batch No.: 420621
SDG No.: _____
Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

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	2.6497 2.9289	2.2643 2.8720	2.8780 2.7535	3.0114	2.9833	Ave		2.7927				8.7		20.0			
sec-Butylbenzene	3.1348 3.3954	2.7032 3.3821	3.3932 3.2799	3.5159	3.4256	Ave		3.2788				7.9		20.0			
1,3-Dichlorobenzene	1.5074 1.5713	1.3706 1.5679	1.6123 1.5509	1.6125	1.6026	Ave		1.5494			0.6000	5.2		20.0			
4-Isopropyltoluene	2.5737 2.9925	2.1476 2.9966	2.8678 2.8440	3.1091	3.0448	Ave		2.8220				11.3		20.0			
1,4-Dichlorobenzene	1.3127 1.5924	1.5619 1.5765	1.6568 1.5808	1.7201	1.6378	Ave		1.5799			0.5000	7.6		20.0			
n-Butylbenzene	2.1891 2.7229	2.0400 2.6514	2.6980 2.5836	2.8037	2.6684	Ave		2.5446				10.8		20.0			
1,2-Dichlorobenzene	1.3859 1.5321	1.4084 1.5247	1.5498 1.5112	1.6559	1.6346	Ave		1.5253			0.4000	6.2		20.0			
1,2-Dibromo-3-Chloropropane	0.1861 0.1811	0.1318 0.1863	0.1428 0.1854	0.1507	0.1653	Ave		0.1662			0.0500	13.2		20.0			
1,2,4-Trichlorobenzene	0.9478 1.1265	0.9110 1.1573	1.1771 1.1556	1.0821	1.1198	Ave		1.0847			0.2000	9.3		20.0			
Hexachlorobutadiene	0.5332 0.5343	0.3840 0.5453	0.5260 0.5664	0.5353	0.5245	Ave		0.5186				10.8		20.0			
Naphthalene	2.5334 3.2095	2.6074 3.1917	2.9880 3.0480	2.9747	3.1673	Ave		2.9650				8.8		20.0			
1,2,3-Trichlorobenzene	0.7843 1.0767	0.8587 1.0732	0.9477 1.1030	1.0666	1.0923	Ave		1.0003				12.2		20.0			
Dibromofluoromethane (Surr)	1.1790 1.1858	1.1799 1.2727	1.1679 1.2115	1.2117	1.1648	Ave		1.1967				3.0		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7678 0.7917	0.7976 0.8218	0.7565 0.7458	0.8347	0.7500	Ave		0.7832				4.3		20.0			
Toluene-d8 (Surr)	2.4473 2.3886	2.4261 2.4587	2.5049 2.3969	2.4292	2.4265	Ave		2.4348				1.5		20.0			
4-Bromofluorobenzene (Surr)	0.7361 0.7460	0.7584 0.7652	0.7525 0.7580	0.7431	0.7227	Ave		0.7477				1.8		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 420621

SDG No.: _____

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

Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-420621/5	S2506.D
Level 2	IC 480-420621/6	S2507.D
Level 3	IC 480-420621/7	S2508.D
Level 4	IC 480-420621/8	S2509.D
Level 5	IC 480-420621/9	S2510.D
Level 6	ICIS 480-420621/10	S2511.D
Level 7	IC 480-420621/11	S2512.D
Level 8	IC 480-420621/12	S2513.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	4246 248186	7348 556127	15348 1042243	57375	100661	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	7016 380591	15313 752596	31418 1481396	78570	158120	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	6596 333324	12290 722212	26352 1374584	72004	135746	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	7413 325163	14101 714525	27634 1368549	74679	141422	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3948 172433	7740 360223	13102 712144	37490	70373	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	++++ 204270	7969 423584	15522 830061	42938	79988	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	5380 332653	9809 736903	24492 1437497	74675	122840	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	11460 412155	18841 843653	32362 1716432	94040	161069	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	5386 290892	10116 596459	22137 1181934	59556	119421	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	5643 284078	10896 575962	19651 1162249	50983	106044	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Lin1	++++ 184140	4012 364156	12129 822020	42648	83709	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	3550 229631	5891 465301	18776 990419	49334	96639	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	++++ 412424	21919 904483	45897 1835772	94147	172269	++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	4781 347195	9518 730136	23539 1547832	69957	139498	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	13516 700429	21977 1472959	56275 3032330	152614	285284	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 420621

SDG No.: _____

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

Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

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	10726 413143	13283 844115	34229 1733446	90419	155269	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	10797 441430	18391 983740	47623 1983551	103471	190812	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	25876 284846	27400 551561	42609 1126336	75350	127431	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	++++ 307003	10697 680866	23908 1598960	62295	137981	++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	16472 832097	29403 1670515	67897 3395940	166404	330882	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	4186 255195	8953 508786	21095 1050113	55688	105184	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	24762 1323936	54039 2745107	110281 5416558	254614	554059	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	8804 446557	16451 940801	34429 1983165	108267	187621	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	10108 523385	18747 1069251	44053 2191279	110345	221389	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	23192 1230989	48840 2352331	101560 4622714	249498	522220	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	5320 297960	10146 592229	23960 1257016	64910	117878	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	5275 298747	9571 596033	22561 1225447	61673	125542	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	16151 717854	28054 1439504	58111 3041661	142709	291158	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2199 146527	4881 285479	11538 585187	30101	56519	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	4061 202767	9288 387841	15949 822605	36094	78819	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	8832 443774	18254 907363	38075 1854730	98890	185827	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	6691 345970	11720 716429	26672 1501541	74012	136975	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	8561 482758	14257 997545	35177 2165602	95397	192312	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	4421 300091	9145 637175	24702 1320508	61607	116898	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	7457 338452	11150 714312	30749 1495256	71332	138232	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	20679 1062500	36984 2128022	85767 4301395	223580	434302	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 420621

SDG No.: _____

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

Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

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	6683 329152	12199 721955	28420 1557611	61251	139911	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	8283 415950	16247 838833	36030 1702374	87871	175124	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	9240 415475	15455 829266	34128 1743611	95852	170684	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	5246 271489	9061 545392	22060 1155378	60191	111214	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	7162 424498	12551 895898	31597 1857834	95854	172282	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	5719 311720	12180 642638	26992 1287446	65633	133728	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	3144 168616	5931 338999	12583 708426	33662	73081	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Lin1	597 46908	597 91625	2267 176888	6969	18780	++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	5277 344167	10219 708669	23598 1480734	68190	133887	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3578 225325	8583 451891	15014 926261	42348	88719	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	6813 423733	13358 863532	30883 1778596	84252	174306	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	32292 1601823	59826 3068632	137972 5759555	326171	670794	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	11795 659595	24418 1345091	54960 2760907	140875	273964	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	6057 391909	12197 800744	28095 1691433	70774	157325	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	5371 383401	12849 758693	28412 1589664	74867	153587	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	3251 202209	7331 408565	17708 844173	41694	81284	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	5470 279490	9718 580239	22036 1184748	58888	114249	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	7287 425777	15786 866770	35902 1776603	81753	178659	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	23291 1170919	44500 2254226	98893 4341846	246316	493778	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	3153 247163	7156 515833	18127 1120056	45191	97396	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	4111 252512	10524 508600	19979 1055354	52152	104411	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 420621

SDG No.: _____

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

Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

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	14312 730835	24166 1474031	60005 3001103	153908	300247	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	20981 1214363	41123 2446781	101499 4820637	260118	505219	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	3502 246580	8227 510400	19212 1084784	46444	101180	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	9774 469623	17890 969691	39460 2043355	101199	193403	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	7935 471745	15140 960148	38904 1982170	97848	196385	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	14339 821536	25278 1666910	64472 3414832	168072	331254	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	2273 156408	4863 339740	9957 760638	26624	60675	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	20648 1180615	39437 2412885	97764 4783571	261022	487020	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	5263 304349	10335 604551	23921 1270447	62196	123511	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	6266 315135	11498 630975	25318 1304499	66963	132068	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	24869 1379737	45097 2782295	112308 5345840	304106	572209	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	2169 107926	3120 221749	7744 441615	22292	44716	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Lin1	++++ 114077	2682 231344	6261 ++++	18263	40802	++++ 25.0	1.00 50.0	2.00 ++++	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	6958 288633	9082 577783	23261 1194322	60025	115644	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	19690 1006297	35625 2040375	82695 4068375	214731	432135	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	5066 309390	9952 620467	26092 1278707	62670	123635	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	3254 228134	7151 469785	17151 961000	48709	90461	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	19410 1069434	33566 2132089	85998 4149841	223814	441006	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	22963 1239742	40072 2510799	101392 4943148	261311	506385	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	11042 573712	20317 1163942	48178 2337298	119848	236904	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	18853 1092636	31836 2224584	85693 4286221	231080	450095	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 420621

SDG No.: _____

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

Calibration Start Date: 06/20/2018 13:51 Calibration End Date: 06/20/2018 16:34 Calibration ID: 34116

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	9616 581426	23153 1170382	49506 2382476	127844	242101	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	16036 994221	30240 1968301	80619 3893665	208379	394458	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	10152 559407	20878 1131910	46309 2277520	123068	241629	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1363 66108	1954 138297	4266 279459	11203	24435	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	6943 411331	13505 859177	35174 1741646	80426	165528	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	3906 195098	5693 404793	15718 853596	39788	77538	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	18558 1171879	38651 2369399	89284 4593666	221088	468207	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	5745 393148	12729 796689	28319 1662277	79276	161462	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	234690 233776	231529 244934	237036 247091	236175	237971	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	152837 156084	156518 158160	153545 152101	162701	153221	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	966595 970258	938964 970429	987838 969583	974777	981631	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	290734 303043	293518 302035	296734 306600	298183	292377	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
 Lims ID: IC 0.5
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 20-Jun-2018 13:51:30 ALS Bottle#: 3 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.5
 Misc. Info.: 480-0072482-005
 Operator ID: LH/ZV Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Jun-2018 14:25:34 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: nowakk

Date: 20-Jun-2018 17:24:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	199059	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	87	394964	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	96	366264	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.926	4.926	0.000	57	234690	25.0	24.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.236	5.242	-0.006	0	152837	25.0	24.5	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	92	966595	25.0	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	89	290734	25.0	24.6	
10 Dichlorodifluoromethane	85	1.300	1.282	0.018	1	4246	0.5000	0.4429	
12 Chloromethane	50	1.464	1.464	0.000	34	7016	0.5000	0.4607	
13 Vinyl chloride	62	1.562	1.549	0.013	21	6596	0.5000	0.4871	a
151 Butadiene	54	1.598	1.574	0.024	52	7413	0.5000	0.5249	Ma
14 Bromomethane	94	1.878	1.872	0.006	62	3948	0.5000	0.5440	
15 Chloroethane	64		1.969				ND	ND	U
17 Trichlorofluoromethane	101	2.188	2.194	-0.006	31	5380	0.5000	0.4193	M
16 Dichlorofluoromethane	67	2.200	2.194	0.006	55	11460	0.5000	0.6382	Ma
18 Ethyl ether	59	2.498	2.492	0.006	52	5386	0.5000	0.4719	
20 Acrolein	56	2.693	2.687	0.006	32	5643	2.50	2.58	M
21 1,1,2-Trichloro-1,2,2-trif	101		2.705				ND	ND	U
22 1,1-Dichloroethene	96	2.723	2.730	-0.007	28	3550	0.5000	0.4037	M
23 Acetone	43	2.851	2.851	0.000	93	13929	2.50	3.64	Ma
25 Iodomethane	142	2.894	2.894	0.000	16	4781	0.5000	0.3718	a
26 Carbon disulfide	76	2.918	2.918	0.000	85	13516	0.5000	0.4822	M
28 3-Chloro-1-propene	41	3.088	3.089	0.000	37	10726	0.5000	0.6292	M
27 Methyl acetate	43	3.143	3.143	0.000	85	10797	1.00	1.07	M
30 Methylene Chloride	84	3.253	3.253	0.000	91	25876	0.5000	0.5893	M
31 2-Methyl-2-propanol	59	3.423	3.423	0.000	57	3836	5.00	2.96	M
32 Methyl tert-butyl ether	73	3.460	3.454	0.006	53	16472	0.5000	0.4999	
34 trans-1,2-Dichloroethene	96	3.466	3.472	-0.006	60	4186	0.5000	0.4160	
33 Acrylonitrile	53	3.539	3.539	0.000	92	24762	5.00	4.63	
35 Hexane	57	3.660	3.660	0.000	68	8804	0.5000	0.4745	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.898	3.892	0.006	8	10108	0.5000	0.4768	
37 Vinyl acetate	43	3.946	3.952	-0.006	92	23192	1.00	0.9489	
44 2,2-Dichloropropane	77	4.409	4.415	-0.006	37	5320	0.5000	0.4529	
45 cis-1,2-Dichloroethene	96	4.451	4.457	-0.006	30	5275	0.5000	0.4562	a
43 2-Butanone (MEK)	43	4.500	4.494	0.006	83	16151	2.50	2.75	
48 Chlorobromomethane	128	4.701	4.695	0.006	63	2199	0.5000	0.3980	
49 Tetrahydrofuran	42	4.719	4.713	0.006	57	4061	1.00	1.00	
50 Chloroform	83	4.768	4.774	-0.006	61	8832	0.5000	0.4776	
51 1,1,1-Trichloroethane	97	4.889	4.877	0.012	31	6691	0.5000	0.4855	
52 Cyclohexane	56	4.877	4.883	-0.006	45	8561	0.5000	0.4617	
55 Carbon tetrachloride	117	5.011	5.011	0.000	55	4421	0.5000	0.3828	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	61	7457	0.5000	0.5308	
57 Benzene	78	5.236	5.236	0.000	33	20679	0.5000	0.4897	
53 Isobutyl alcohol	43	5.272	5.266	0.006	34	6683	12.5	12.2	M
58 1,2-Dichloroethane	62	5.315	5.315	0.000	59	8283	0.5000	0.4855	
59 n-Heptane	43	5.406	5.412	-0.006	62	9240	0.5000	0.5354	M
62 Trichloroethene	95	5.844	5.850	-0.006	50	5246	0.5000	0.4815	
64 Methylcyclohexane	83	5.960	5.960	0.000	57	7162	0.5000	0.4317	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	41	5719	0.5000	0.4489	
67 Dibromomethane	93	6.240	6.234	0.006	69	3144	0.5000	0.4727	
66 1,4-Dioxane	88	6.258	6.246	0.012	8	485	10.0	18.7	M
68 Dichlorobromomethane	83	6.392	6.386	0.006	23	5277	0.5000	0.4120	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	29	3578	0.5000	0.4209	
72 cis-1,3-Dichloropropene	75	6.812	6.806	0.006	47	6813	0.5000	0.4230	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	87	32292	2.50	2.56	M
74 Toluene	92	7.079	7.085	-0.006	60	11795	0.5000	0.4492	
77 trans-1,3-Dichloropropene	75	7.377	7.377	0.000	54	6057	0.5000	0.4188	M
75 Ethyl methacrylate	69	7.420	7.414	0.006	48	5371	0.5000	0.3788	
79 1,1,2-Trichloroethane	83	7.572	7.566	0.006	20	3251	0.5000	0.4110	
81 Tetrachloroethene	166	7.621	7.615	0.006	53	5470	0.5000	0.4934	
82 1,3-Dichloropropane	76	7.724	7.730	-0.006	50	7287	0.5000	0.4368	
80 2-Hexanone	43	7.797	7.791	0.006	70	23291	2.50	2.51	
83 Chlorodibromomethane	129	7.961	7.961	0.000	7	3153	0.5000	0.3505	
84 Ethylene Dibromide	107	8.071	8.071	0.000	44	4111	0.5000	0.4125	
87 Chlorobenzene	112	8.545	8.539	0.006	18	14312	0.5000	0.4974	
88 Ethylbenzene	91	8.631	8.631	0.000	67	20981	0.5000	0.4434	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.643	0.000	21	3502	0.5000	0.3764	
90 m-Xylene & p-Xylene	106	8.758	8.752	0.006	0	9774	0.5000	0.5078	
91 o-Xylene	106	9.184	9.178	0.006	72	7935	0.5000	0.4343	
92 Styrene	104	9.209	9.209	0.000	67	14339	0.5000	0.4573	
95 Bromoform	173	9.470	9.464	0.006	1	2273	0.5000	0.3956	
94 Isopropylbenzene	105	9.561	9.561	0.000	72	20648	0.5000	0.4471	
101 Bromobenzene	156	9.914	9.908	0.006	52	5263	0.5000	0.4505	
97 1,1,2,2-Tetrachloroethane	83	9.975	9.969	0.006	11	6266	0.5000	0.4994	
99 N-Propylbenzene	91	9.981	9.987	-0.006	84	24869	0.5000	0.4646	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	21	2169	0.5000	0.5251	M
98 trans-1,4-Dichloro-2-buten	53	10.018	10.012	0.006	1	863	0.5000	0.7725	M
103 2-Chlorotoluene	126	10.091	10.091	0.000	55	6958	0.5000	0.6038	
102 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	60	19690	0.5000	0.4915	
105 4-Chlorotoluene	126	10.200	10.200	0.000	44	5066	0.5000	0.4291	
106 tert-Butylbenzene	134	10.474	10.474	0.000	63	3254	0.5000	0.3810	
107 1,2,4-Trimethylbenzene	105	10.535	10.529	0.006	48	19410	0.5000	0.4744	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	52	22963	0.5000	0.4780	
111 1,3-Dichlorobenzene	146	10.833	10.827	0.006	46	11042	0.5000	0.4864	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	53	18853	0.5000	0.4560	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	34	9616	0.5000	0.4154	M
115 n-Butylbenzene	91	11.210	11.210	0.000	68	16036	0.5000	0.4301	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	64	10152	0.5000	0.4543	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	1	1363	0.5000	0.5598	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	29	6943	0.5000	0.4369	
120 Hexachlorobutadiene	225	12.774	12.767	0.007	6	3906	0.5000	0.5141	M
121 Naphthalene	128	12.883	12.877	0.006	77	18558	0.5000	0.4272	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	36	5745	0.5000	0.3920	
S 123 Total BTEX	1				0			2.32	
S 125 1,2-Dichloroethene, Total	1				0			0.8722	
S 124 Xylenes, Total	1				0			0.9421	
S 126 1,3-Dichloropropene, Total	1				0			0.8418	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

8260 CORP mix_00128	Amount Added: 0.50	Units: uL	
GAS CORP mix_00287	Amount Added: 0.50	Units: uL	
S_8260_IS_00293	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00274	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180620-72482.b\\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Operator ID: LH/ZV

Lims ID: IC 0.5

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

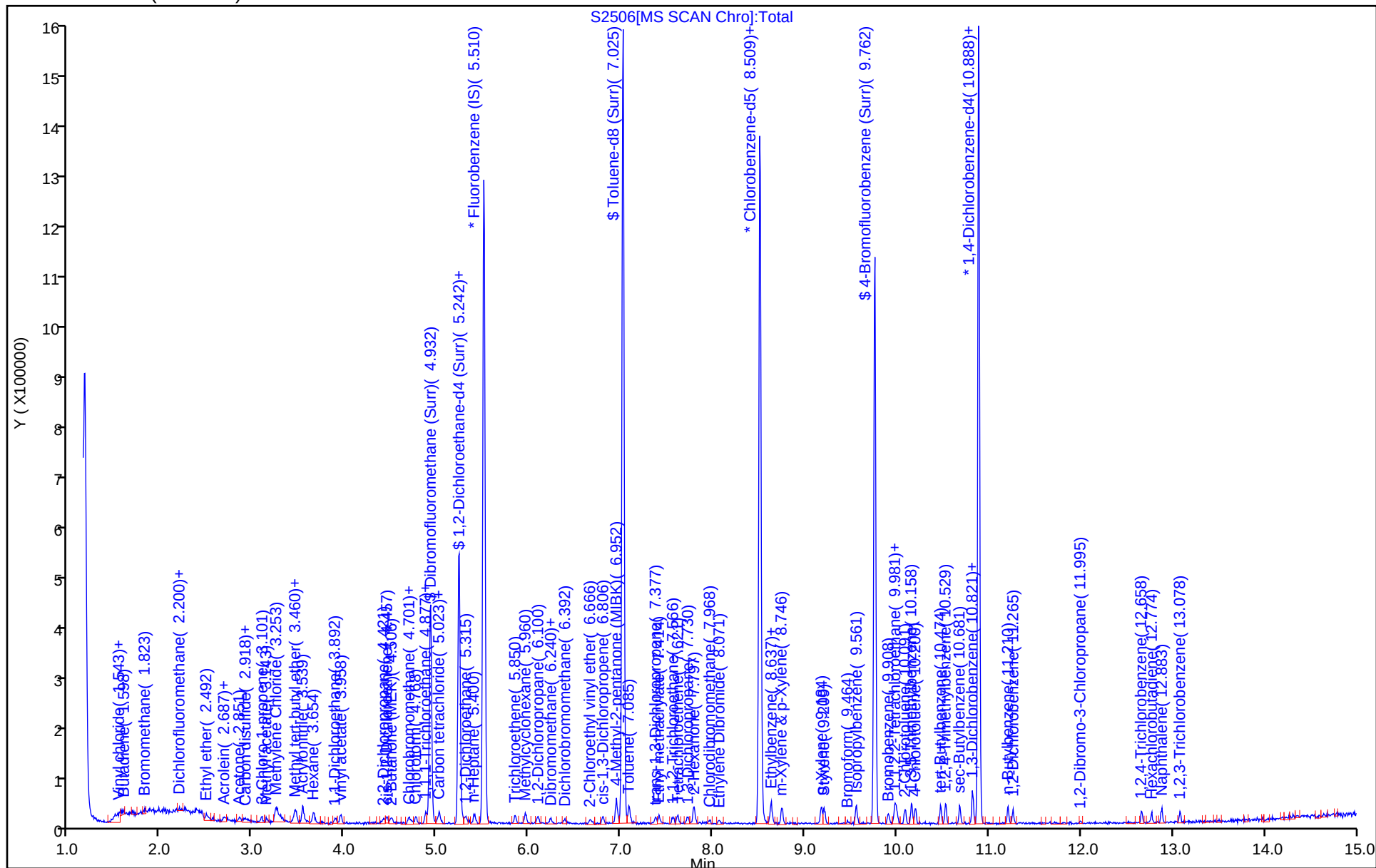
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

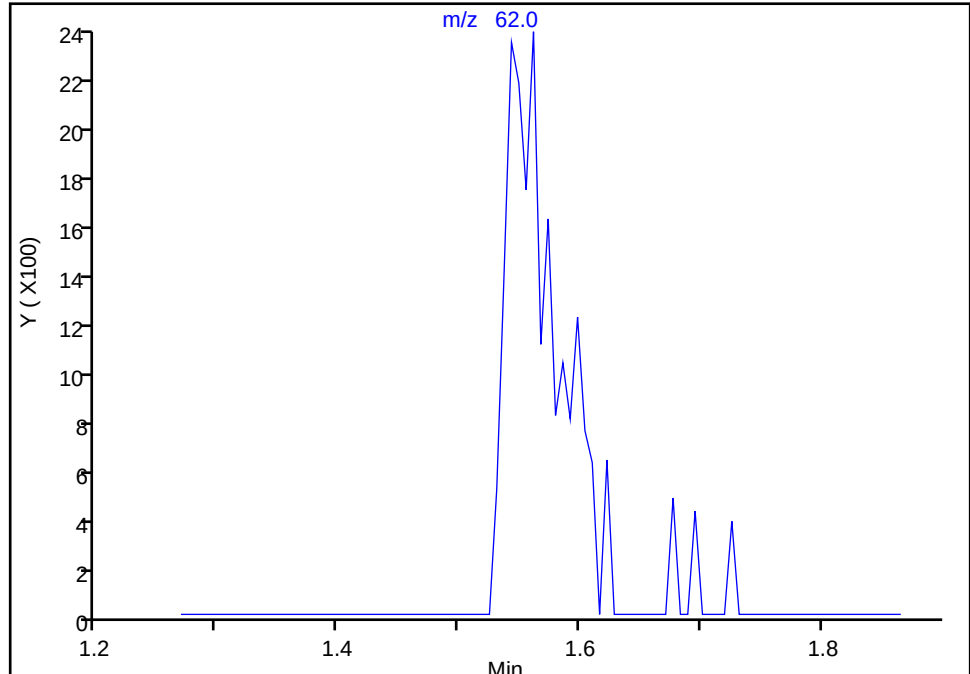
13 Vinyl chloride, CAS: 75-01-4

Signal: 1

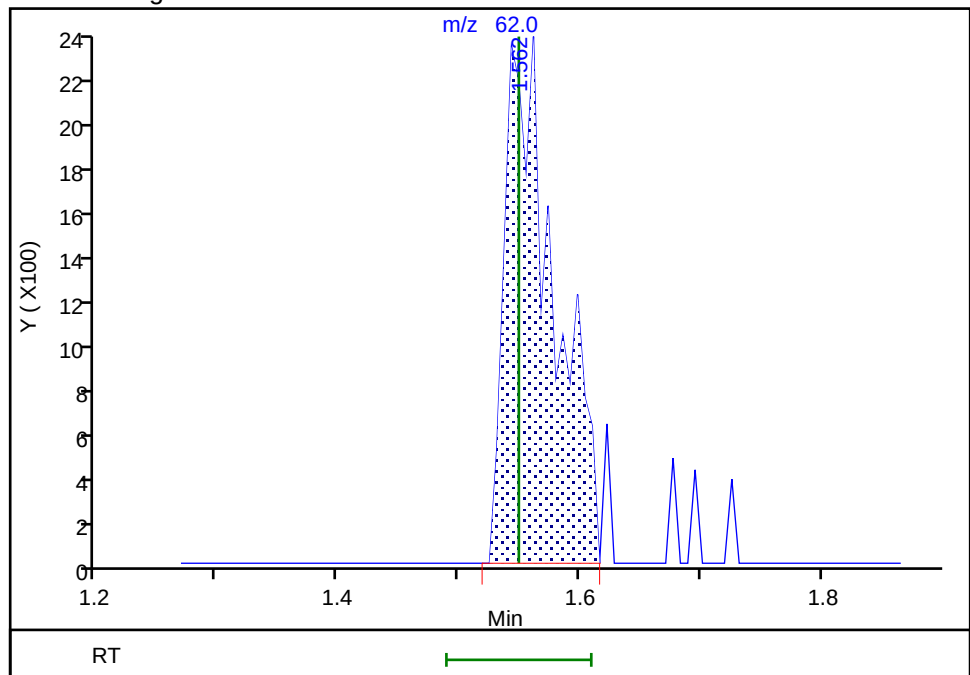
Not Detected

Expected RT: 1.55

Processing Integration Results



Manual Integration Results



RT: 1.56

Area: 6596

Amount: 0.487086

Amount Units: ug/L

Reviewer: nowakk, 20-Jun-2018 20:40:43

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

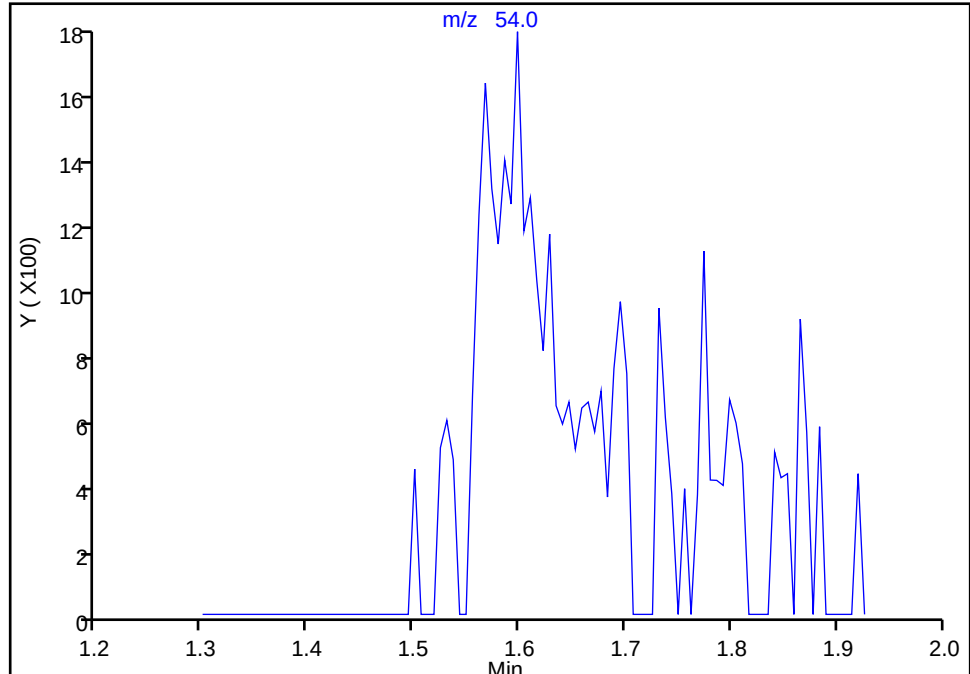
151 Butadiene, CAS: 106-99-0

Signal: 1

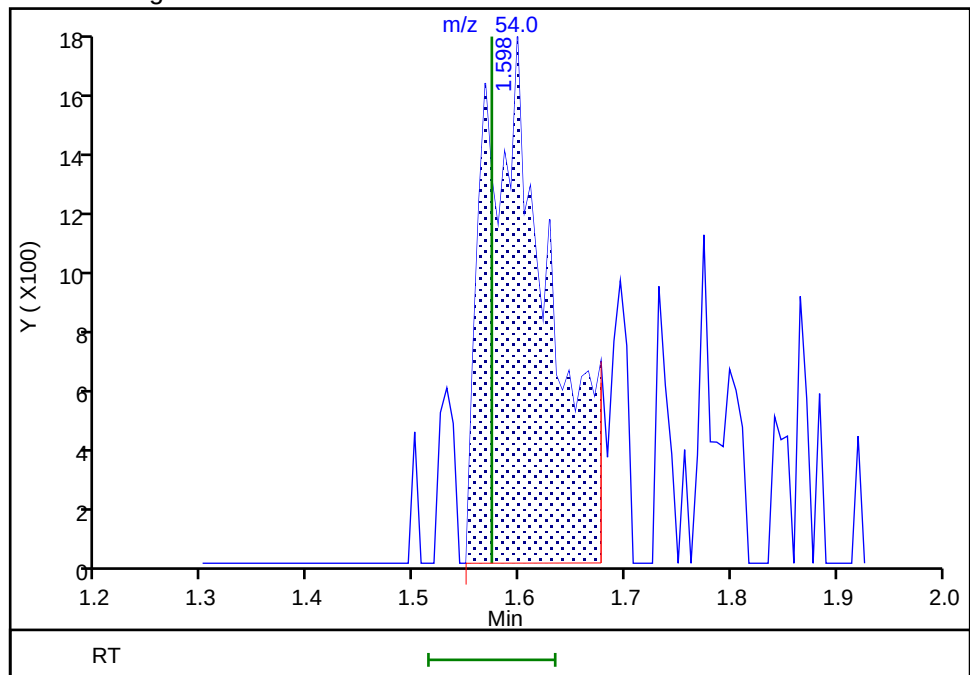
Not Detected

Expected RT: 1.57

Processing Integration Results



Manual Integration Results



RT: 1.60

Area: 7413

Amount: 0.524880

Amount Units: ug/L

Reviewer: moffata, 21-Jun-2018 11:56:38

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

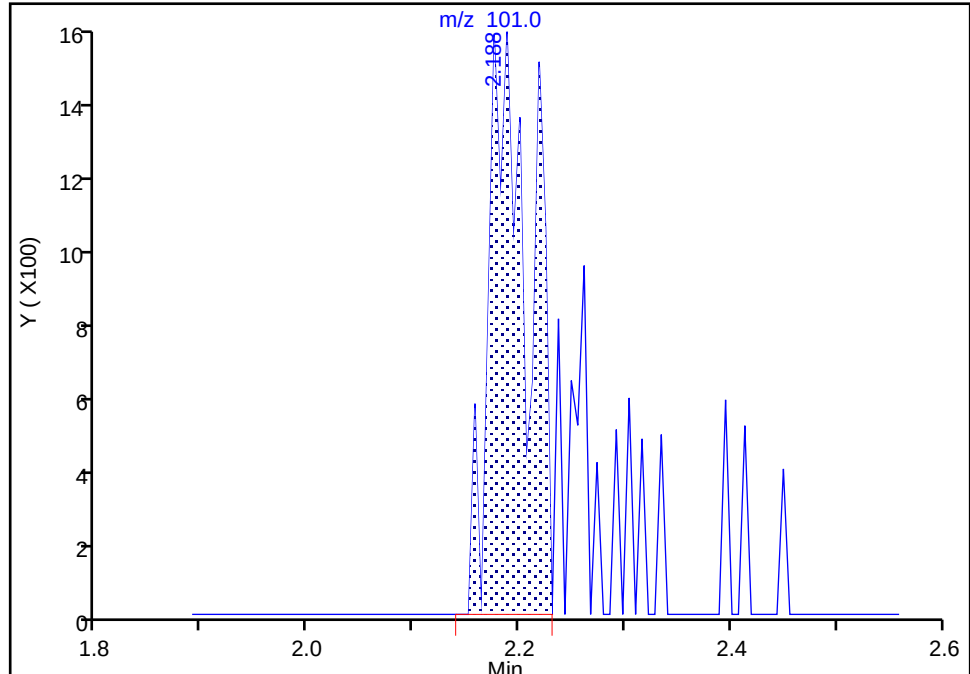
MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

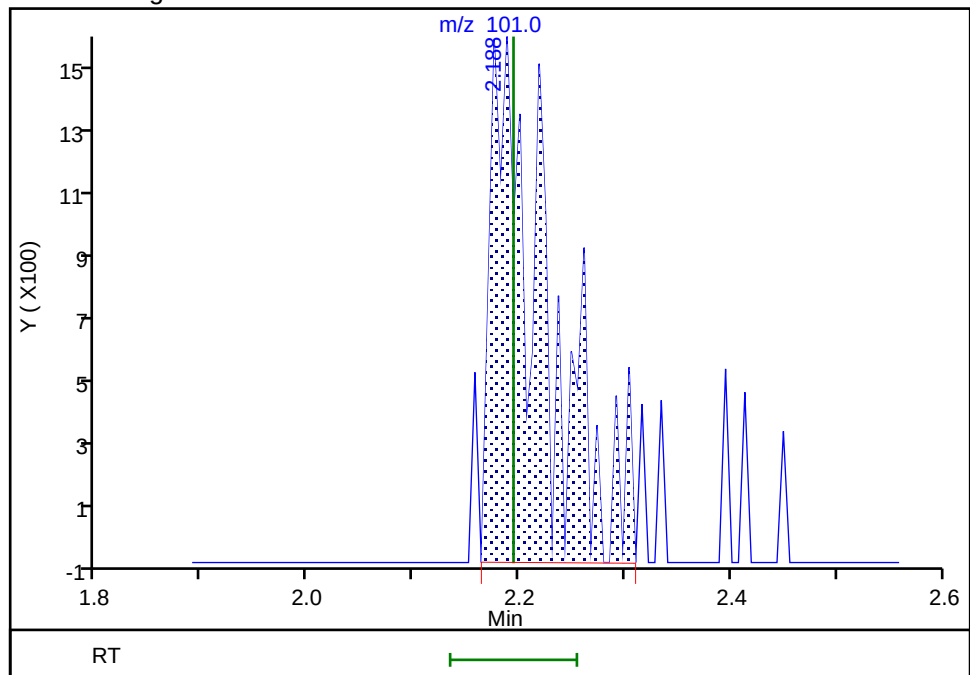
RT: 2.19
Area: 4042
Amount: 0.598811
Amount Units: ug/L

Processing Integration Results



RT: 2.19
Area: 5380
Amount: 0.419280
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 13:45:22

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

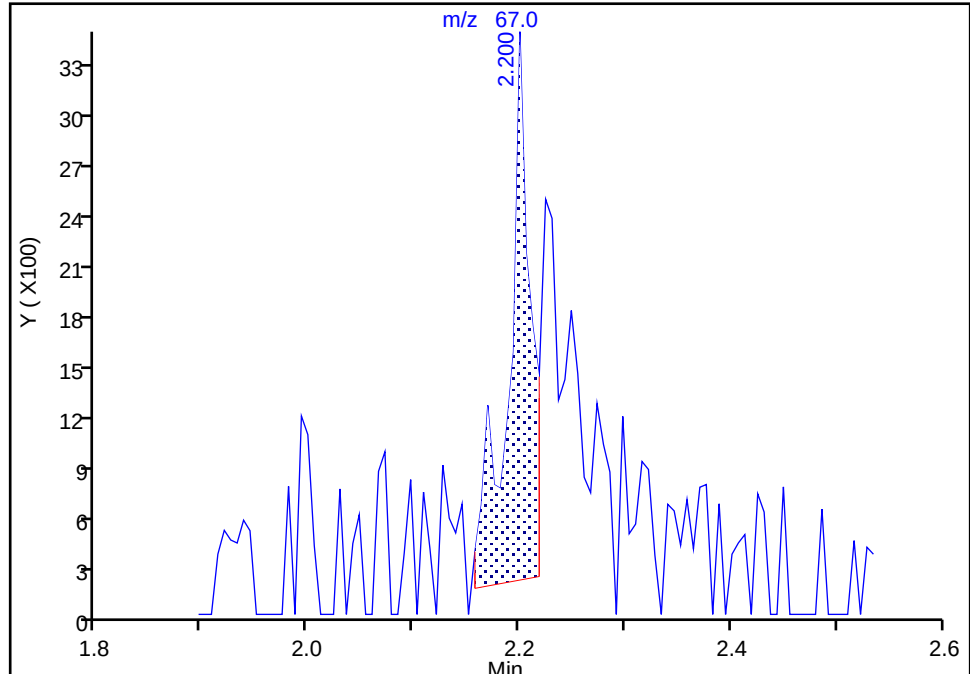
MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

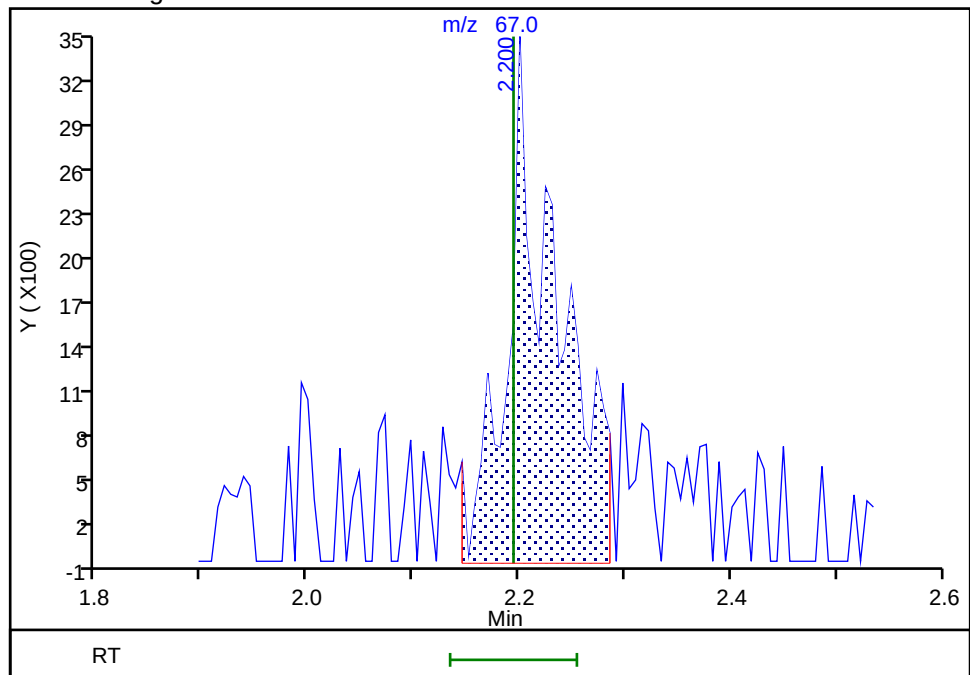
RT: 2.20
Area: 4764
Amount: 0.316635
Amount Units: ug/L

Processing Integration Results



RT: 2.20
Area: 11460
Amount: 0.638193
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:41:07

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

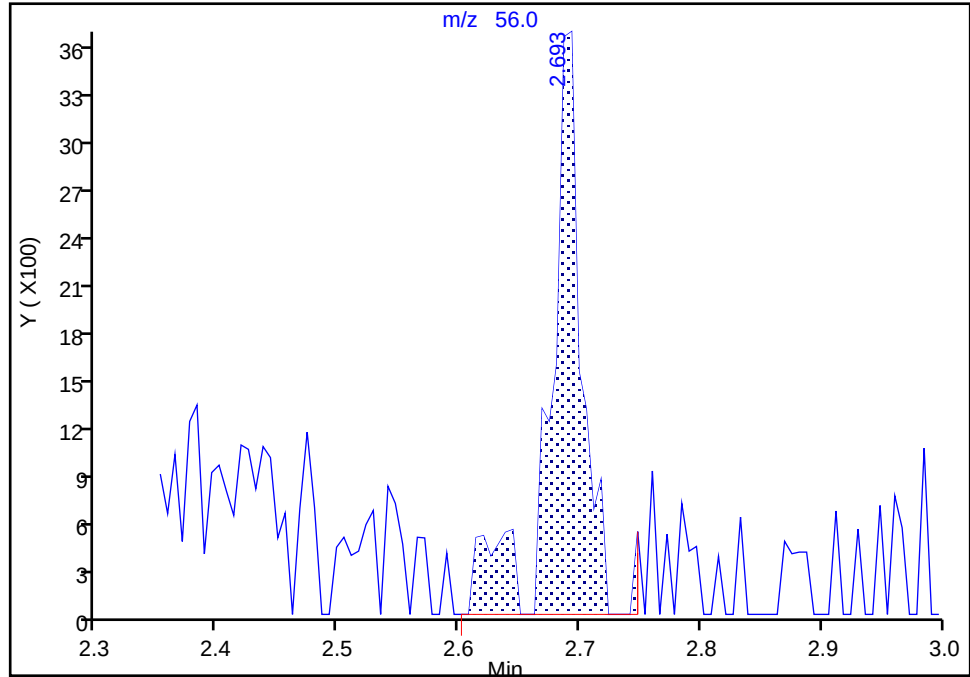
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

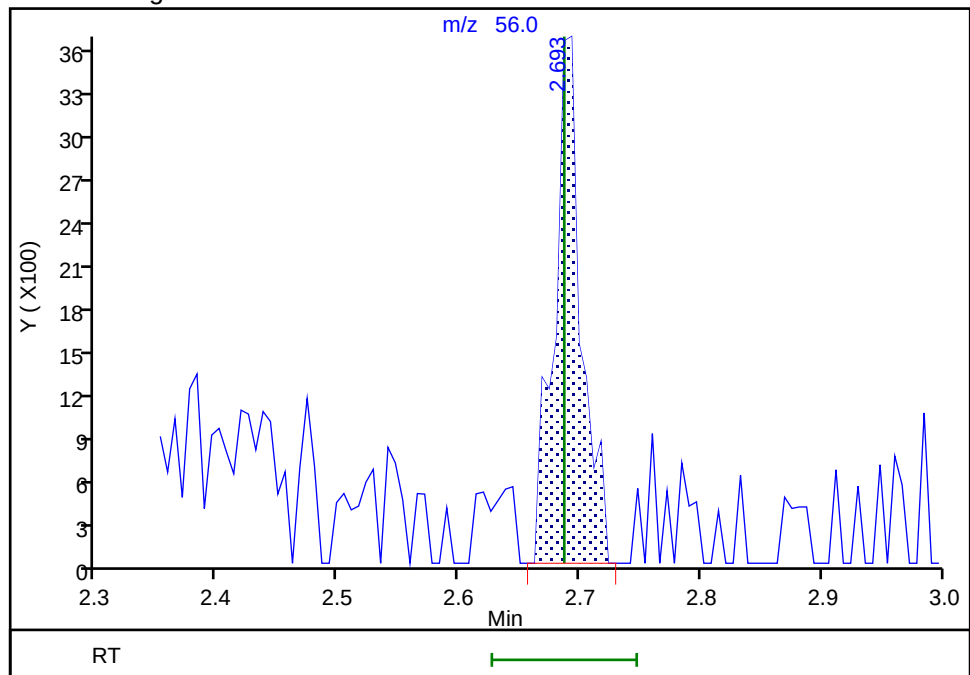
RT: 2.69
Area: 6846
Amount: 3.145829
Amount Units: ug/L

Processing Integration Results



RT: 2.69
Area: 5643
Amount: 2.581028
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:42:04

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Buffalo

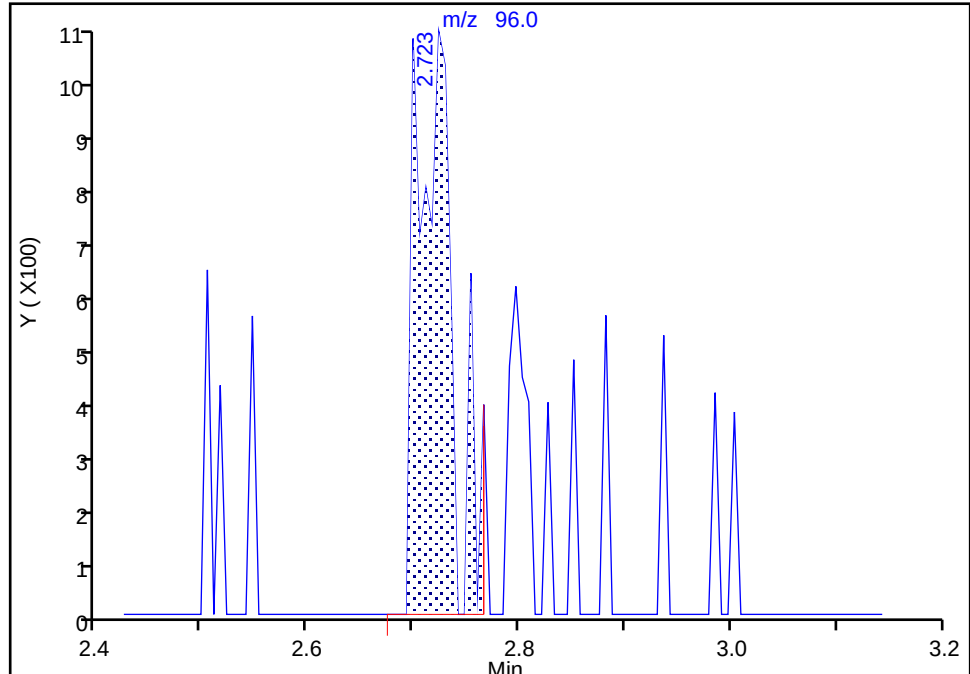
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

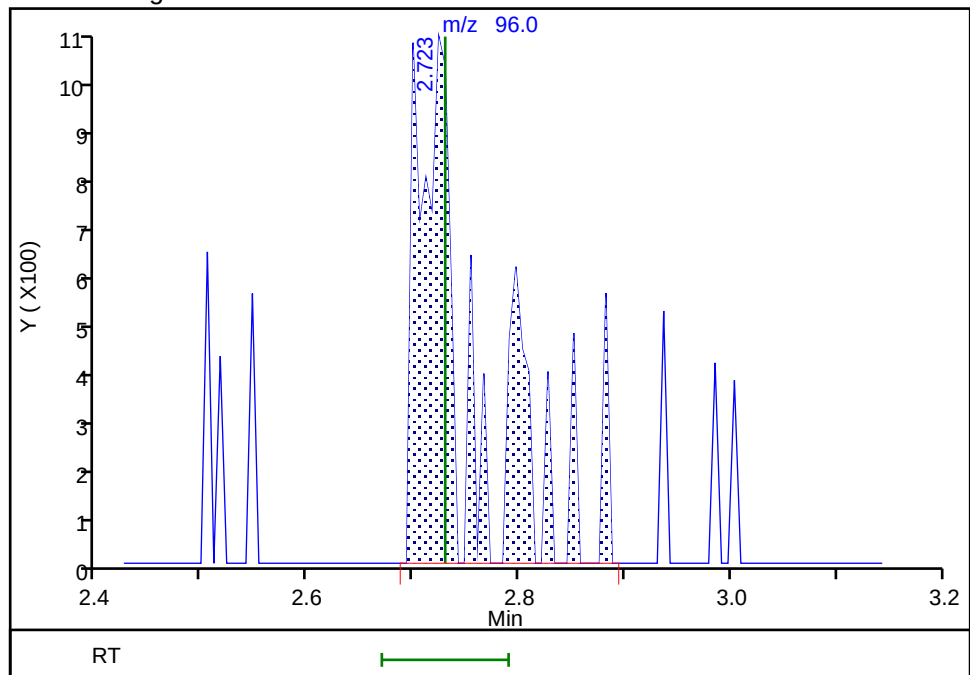
RT: 2.72
Area: 2399
Amount: 0.270204
Amount Units: ug/L

Processing Integration Results



RT: 2.72
Area: 3550
Amount: 0.403737
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 13:47:14
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

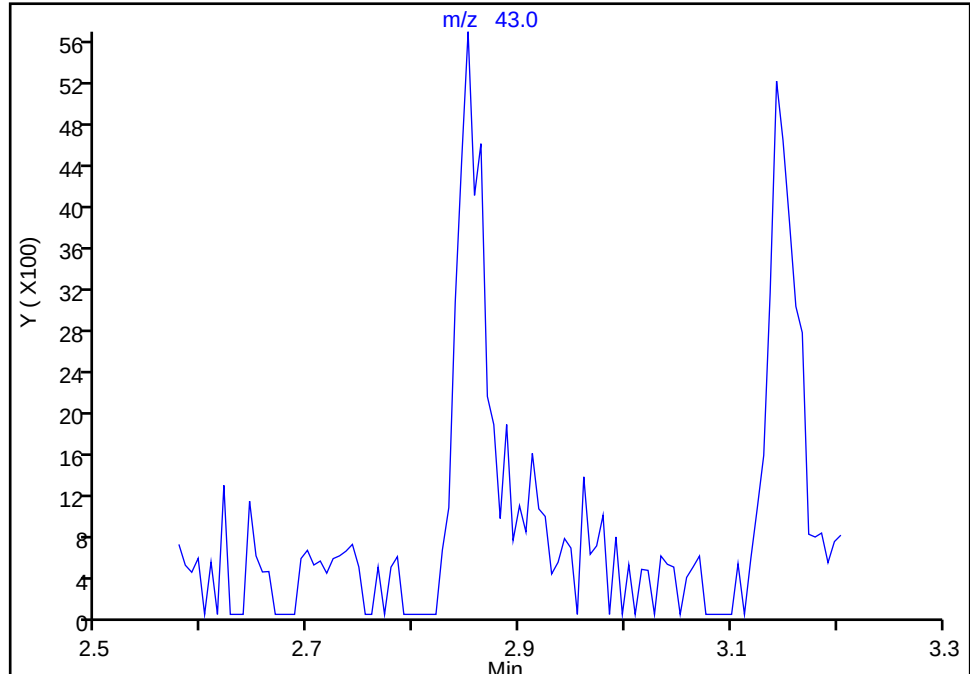
23 Acetone, CAS: 67-64-1

Signal: 1

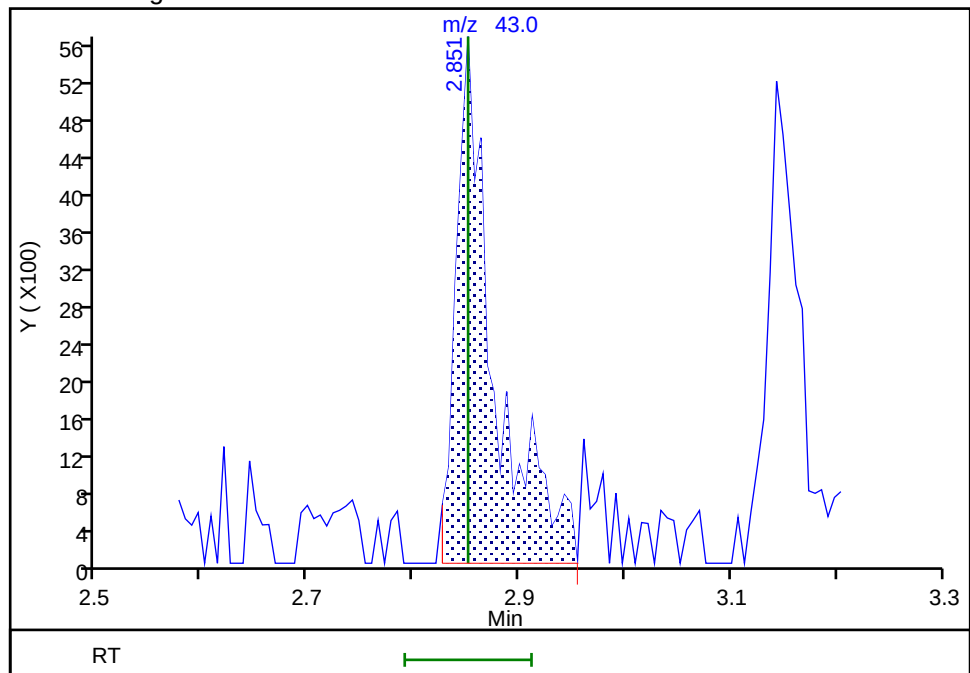
Not Detected

Expected RT: 2.85

Processing Integration Results



Manual Integration Results



RT: 2.85

Area: 13929

Amount: 3.637017

Amount Units: ug/L

Reviewer: nowakk, 20-Jun-2018 20:42:59

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Buffalo

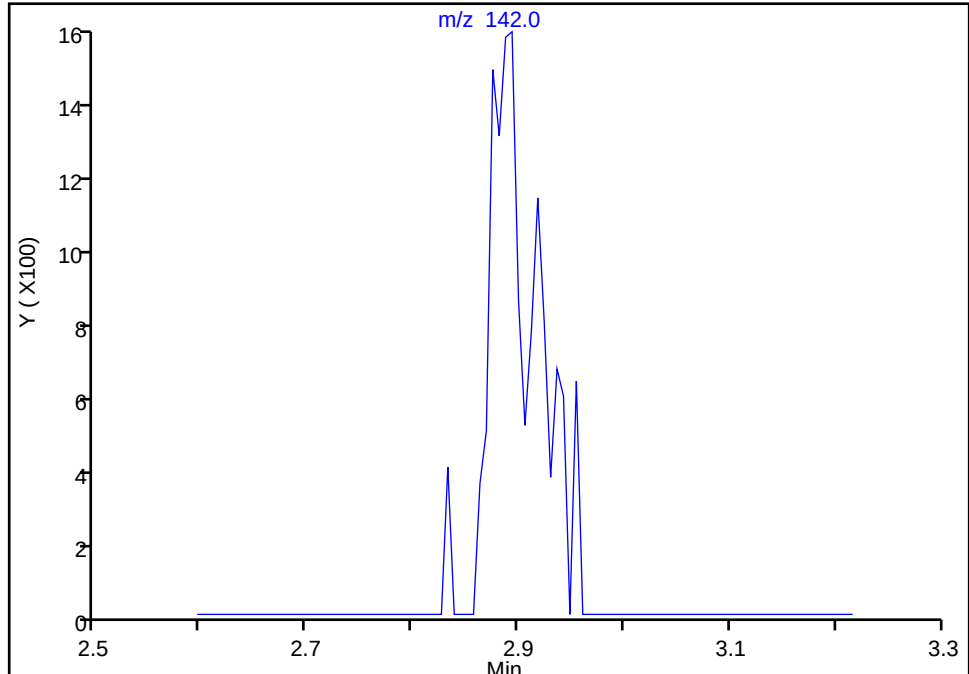
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

25 Iodomethane, CAS: 74-88-4

Signal: 1

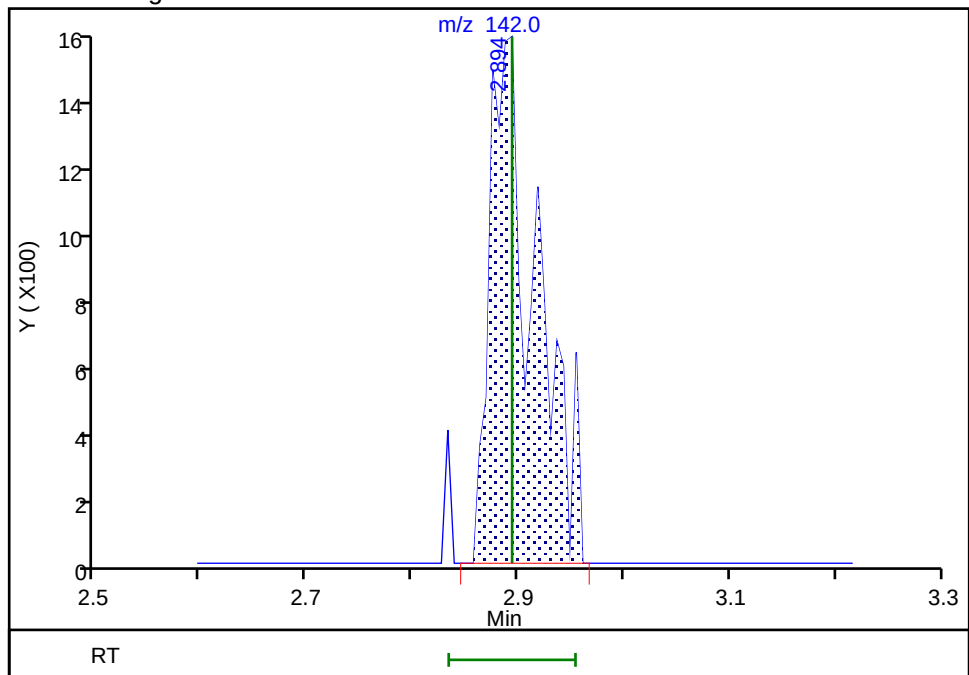
Not Detected
Expected RT: 2.89

Processing Integration Results



RT: 2.89
Area: 4781
Amount: 0.371790
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 11:57:46

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

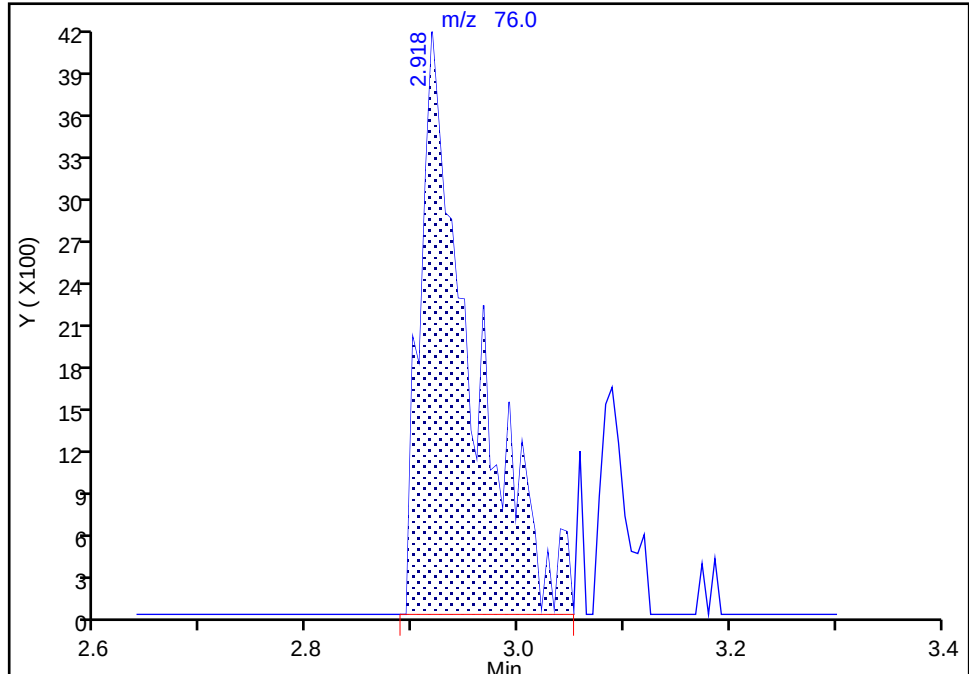
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Signal: 1

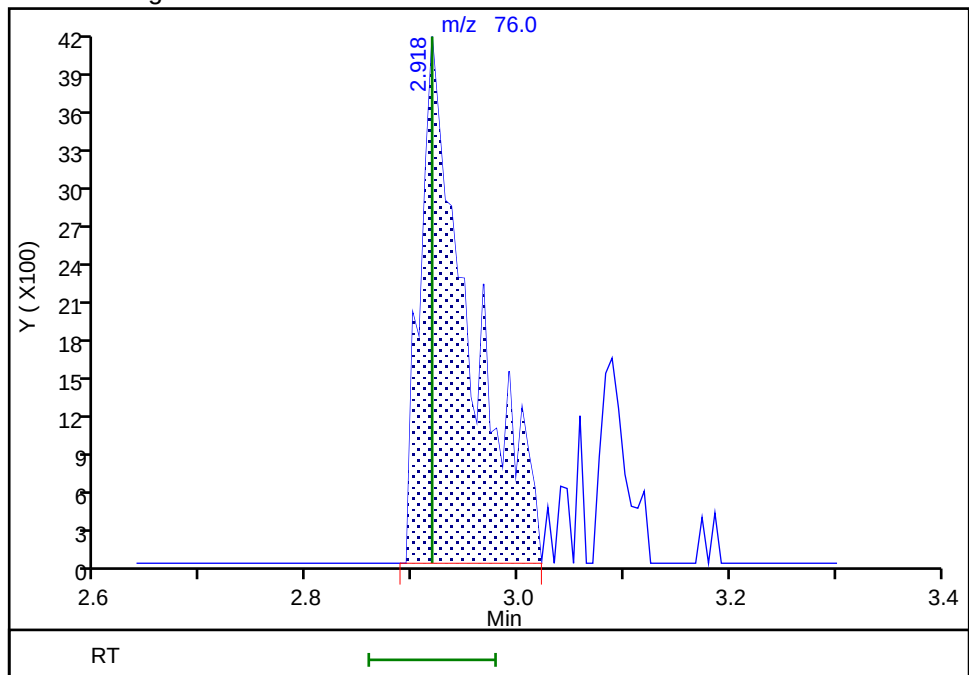
RT: 2.92
Area: 14115
Amount: 0.500876
Amount Units: ug/L

Processing Integration Results



RT: 2.92
Area: 13516
Amount: 0.482183
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 11:58:14
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

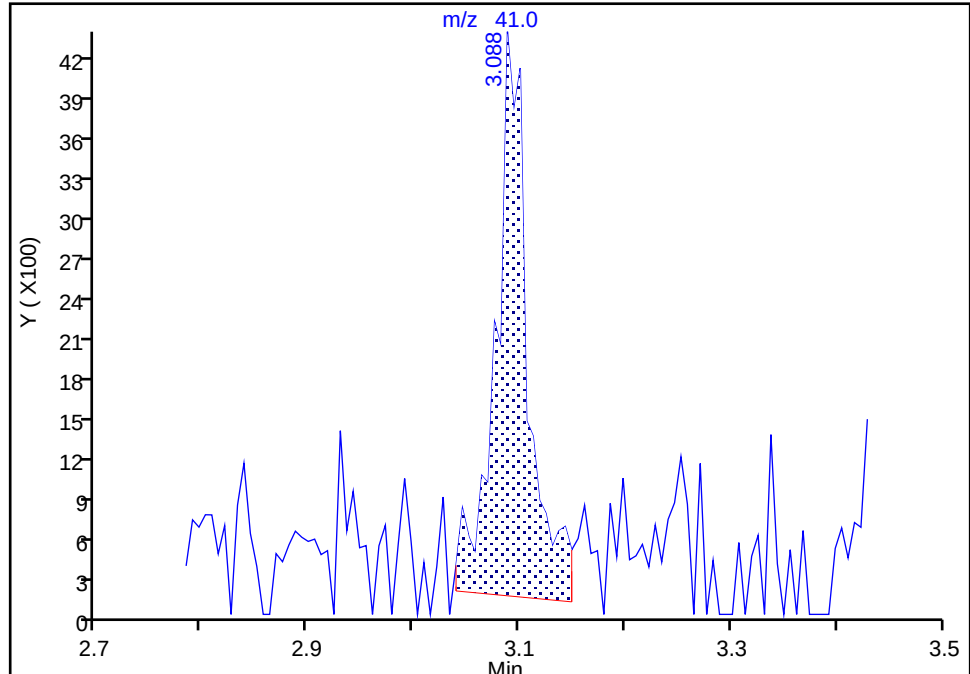
MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

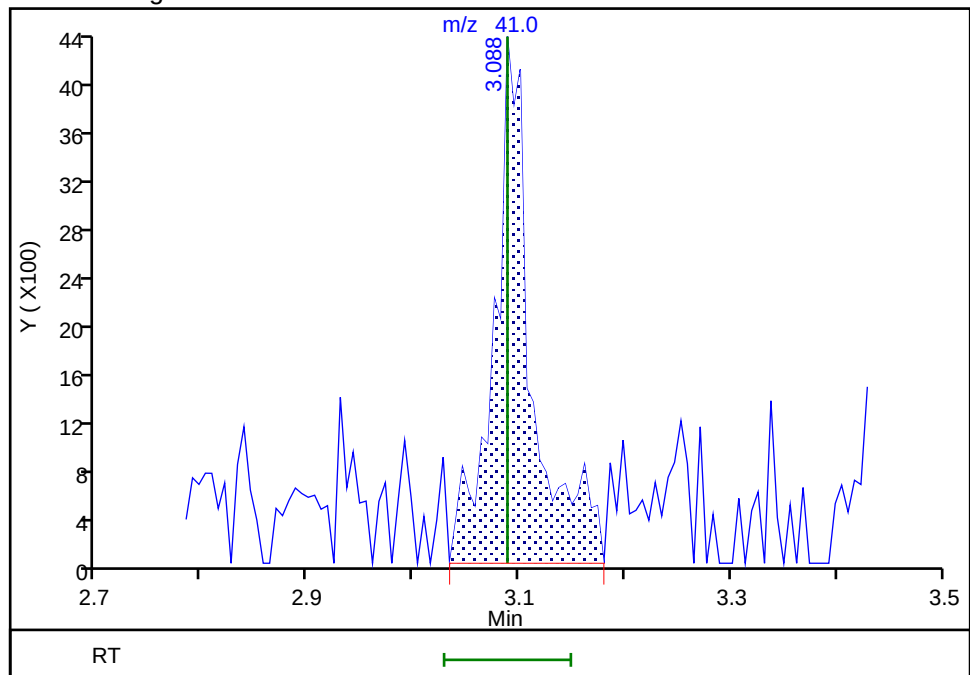
RT: 3.09
Area: 8961
Amount: 0.540219
Amount Units: ug/L

Processing Integration Results



RT: 3.09
Area: 10726
Amount: 0.629202
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 11:55:59

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

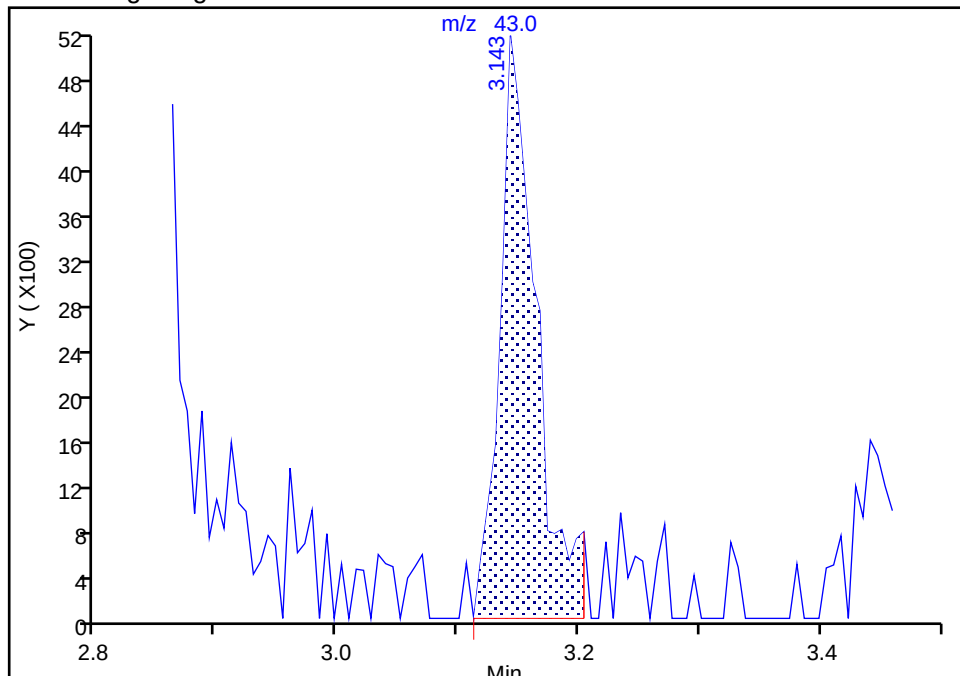
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

27 Methyl acetate, CAS: 79-20-9

Signal: 1

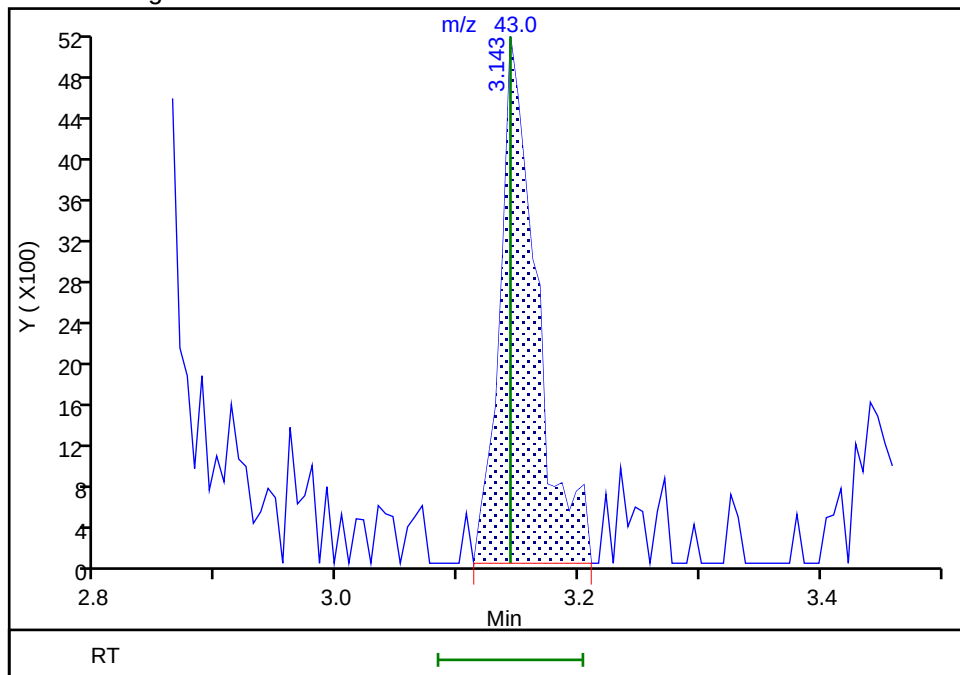
RT: 3.14
Area: 10797
Amount: 1.072511
Amount Units: ug/L

Processing Integration Results



RT: 3.14
Area: 10797
Amount: 1.073869
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 11:58:27

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

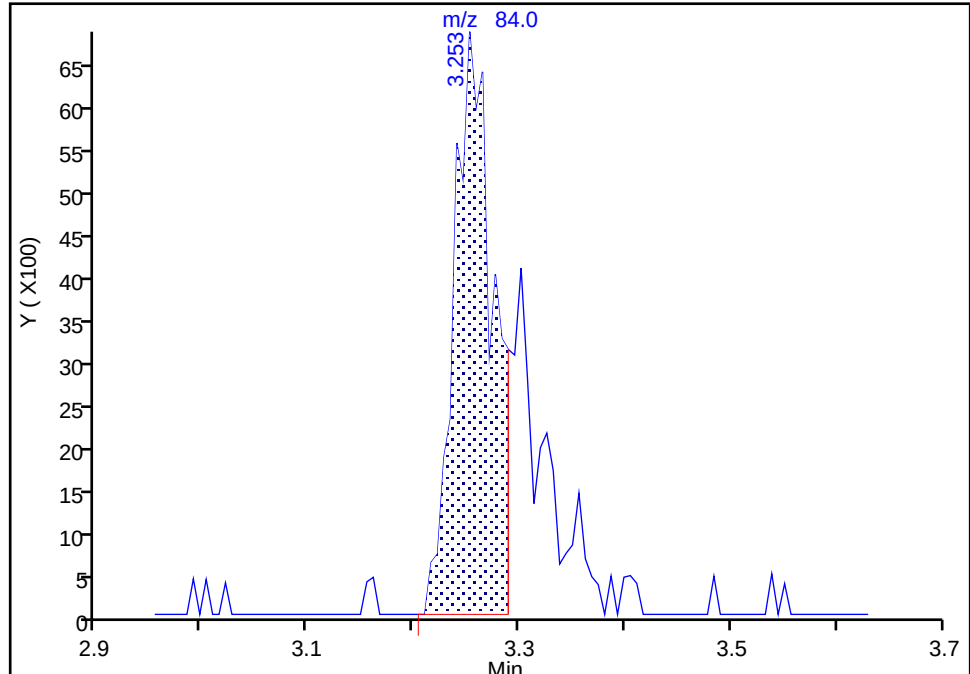
Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

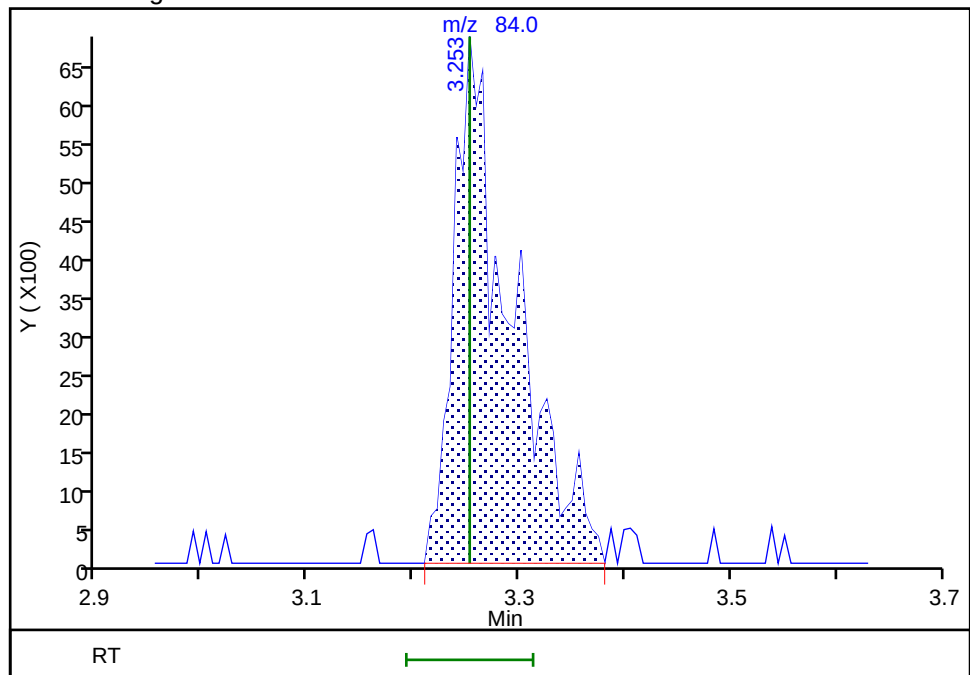
RT: 3.25
Area: 17805
Amount: 1.289031
Amount Units: ug/L

Processing Integration Results



RT: 3.25
Area: 25876
Amount: 0.589276
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:43:43

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

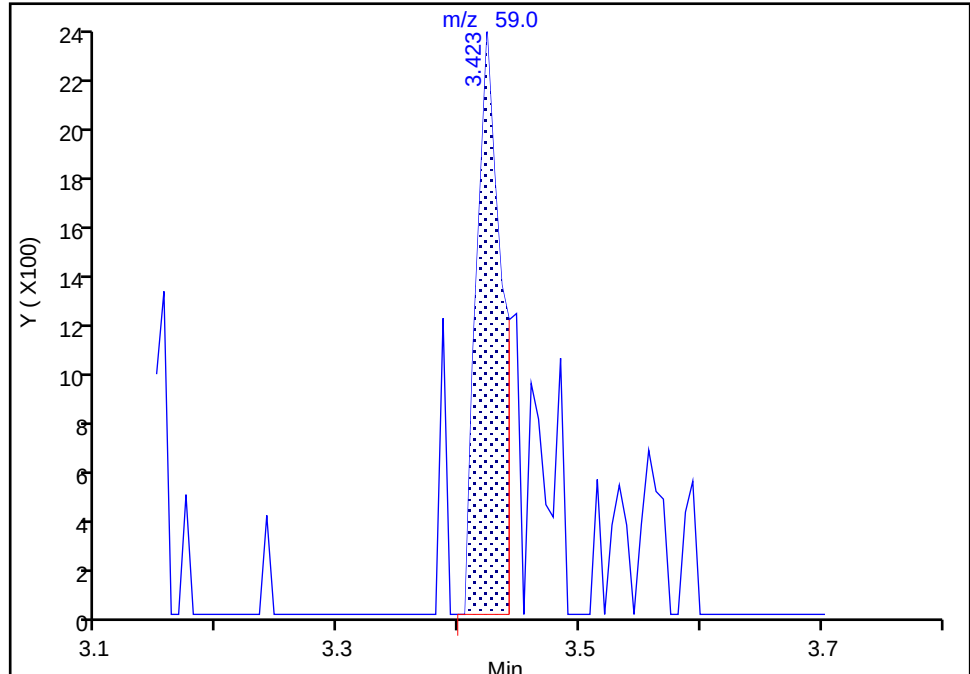
Detector: MS SCAN

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

Signal: 1

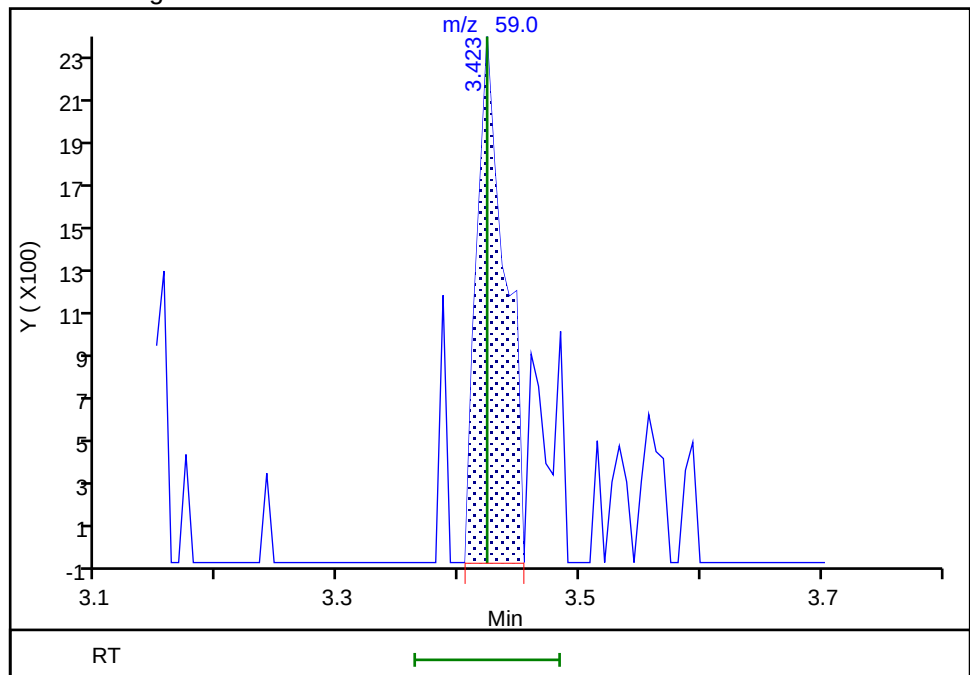
RT: 3.42
Area: 3386
Amount: 3.028648
Amount Units: ug/L

Processing Integration Results



RT: 3.42
Area: 3836
Amount: 2.956164
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:47:12

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

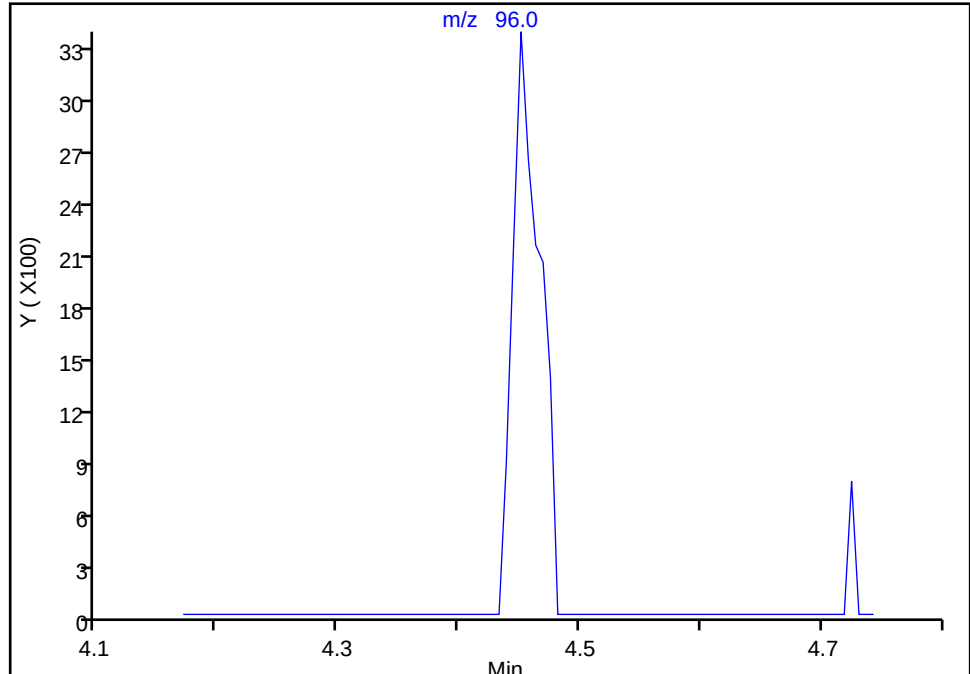
45 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

Not Detected

Expected RT: 4.46

Processing Integration Results



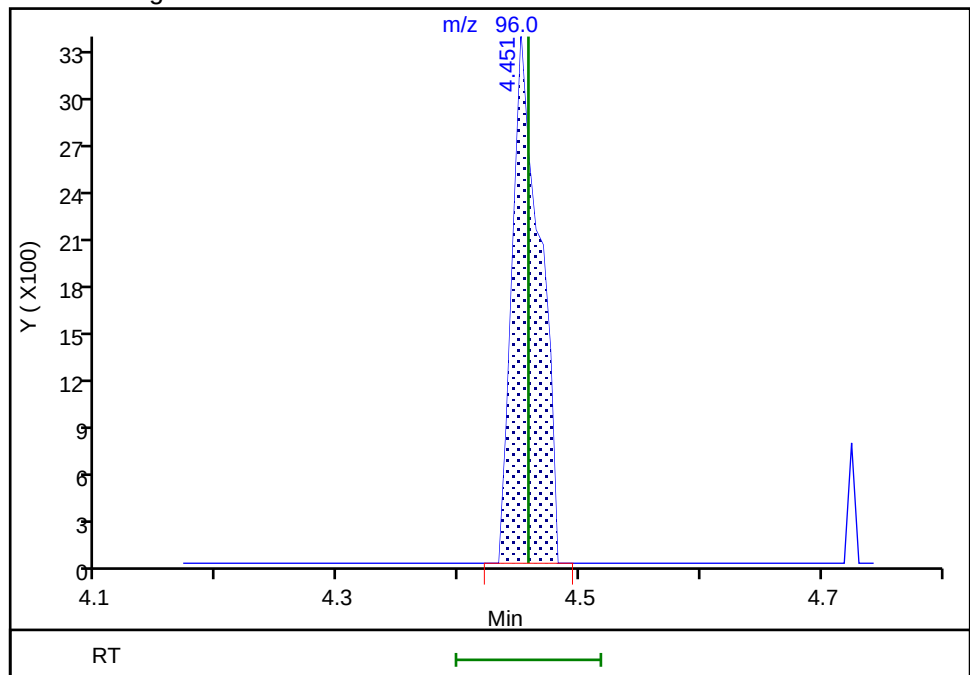
RT: 4.45

Area: 5275

Amount: 0.456176

Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:43:54

Audit Action: Assigned Compound ID

Audit Reason: Baseline

TestAmerica Buffalo

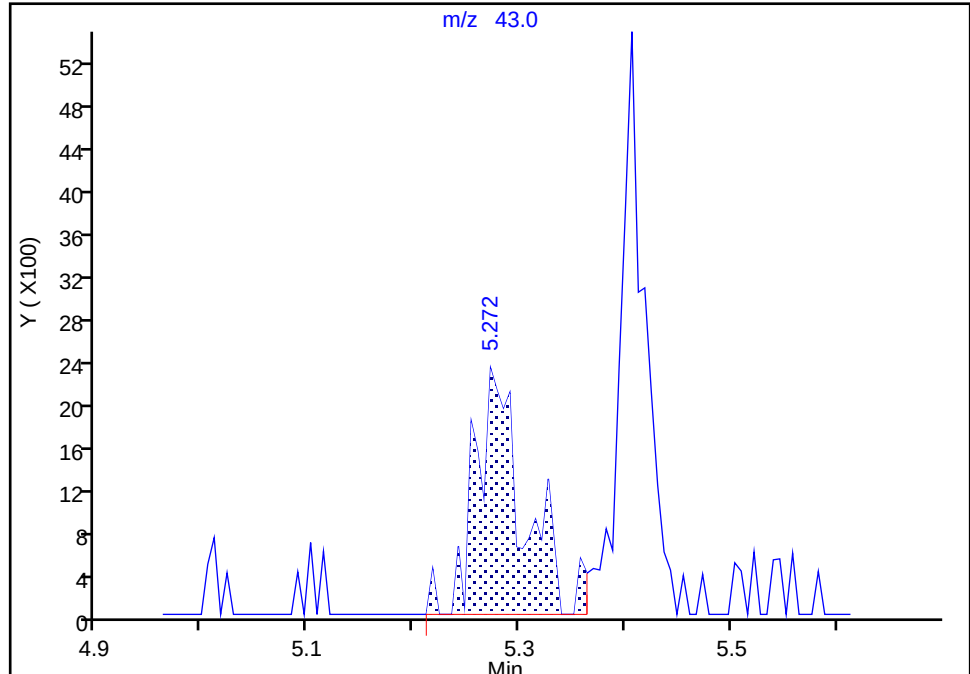
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

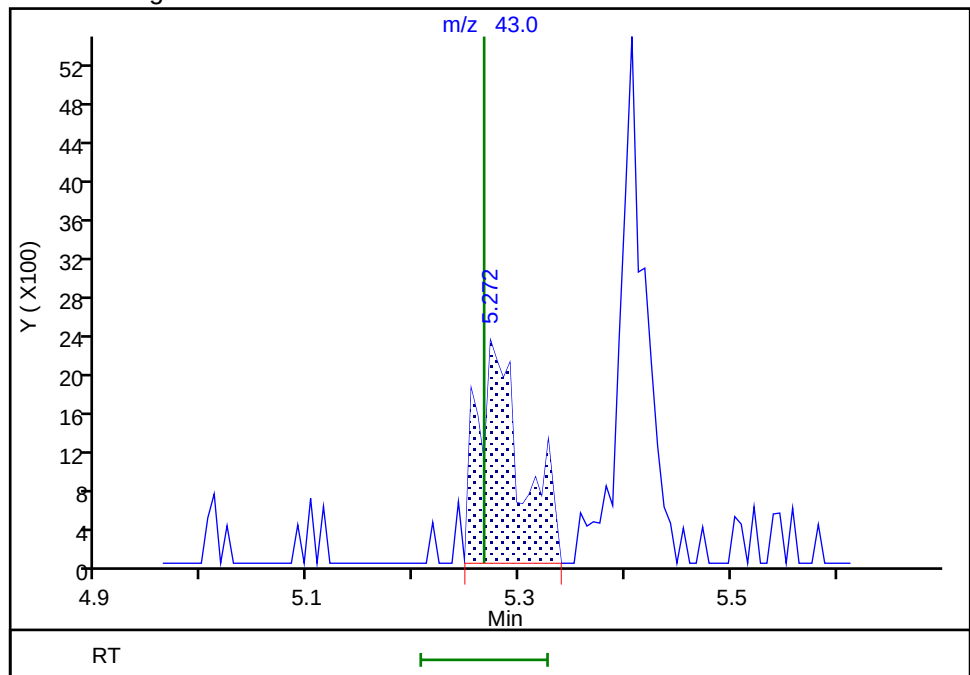
RT: 5.27
Area: 7407
Amount: 13.382108
Amount Units: ug/L

Processing Integration Results



RT: 5.27
Area: 6683
Amount: 12.234095
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:00:59
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

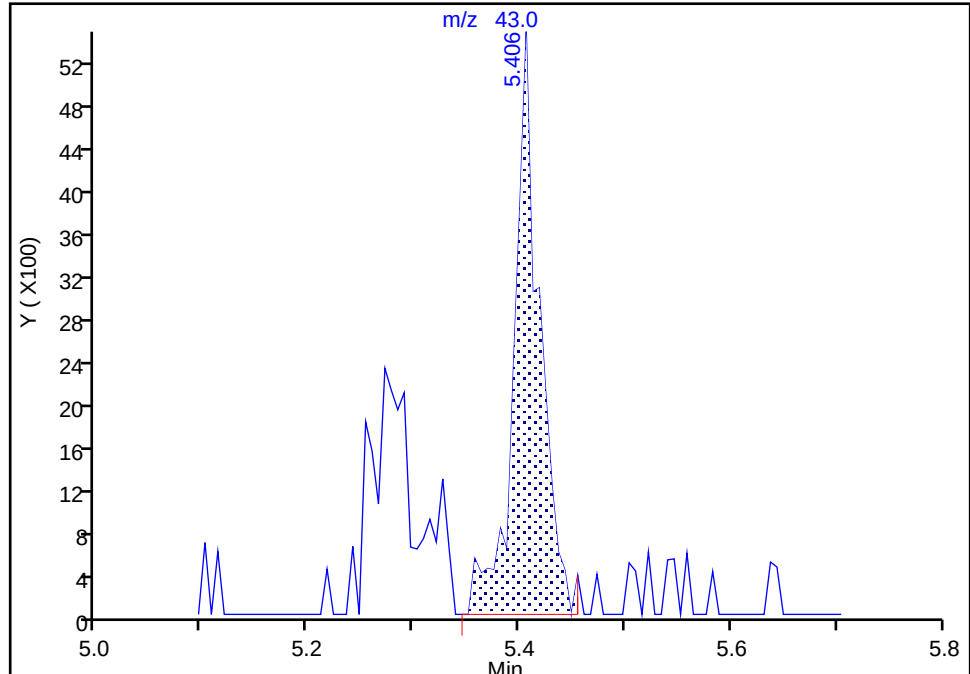
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

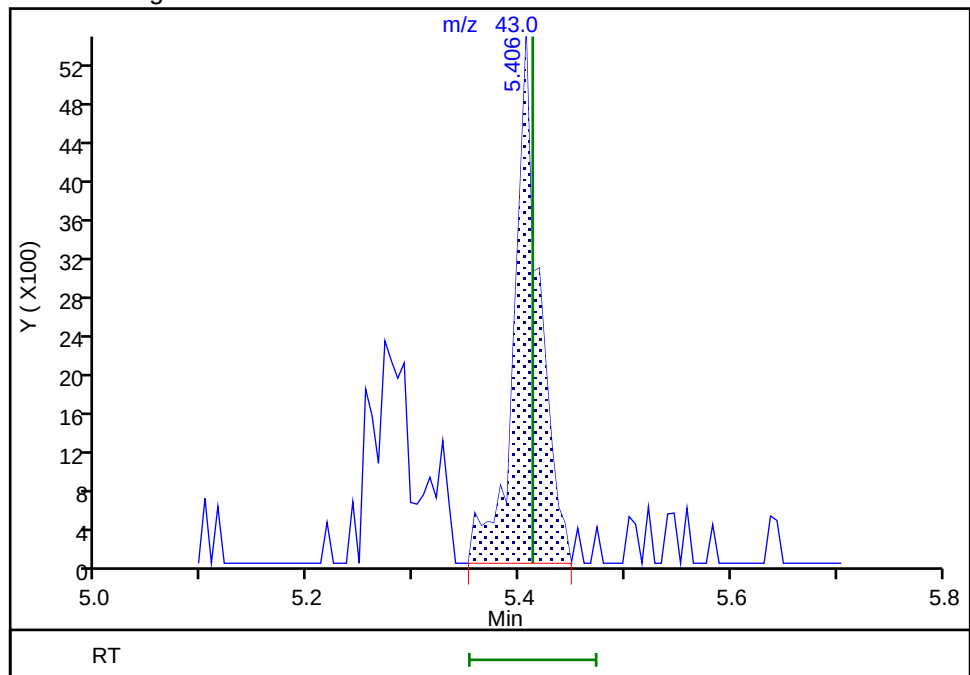
RT: 5.41
Area: 9374
Amount: 0.547303
Amount Units: ug/L

Processing Integration Results



RT: 5.41
Area: 9240
Amount: 0.535437
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:01:10
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

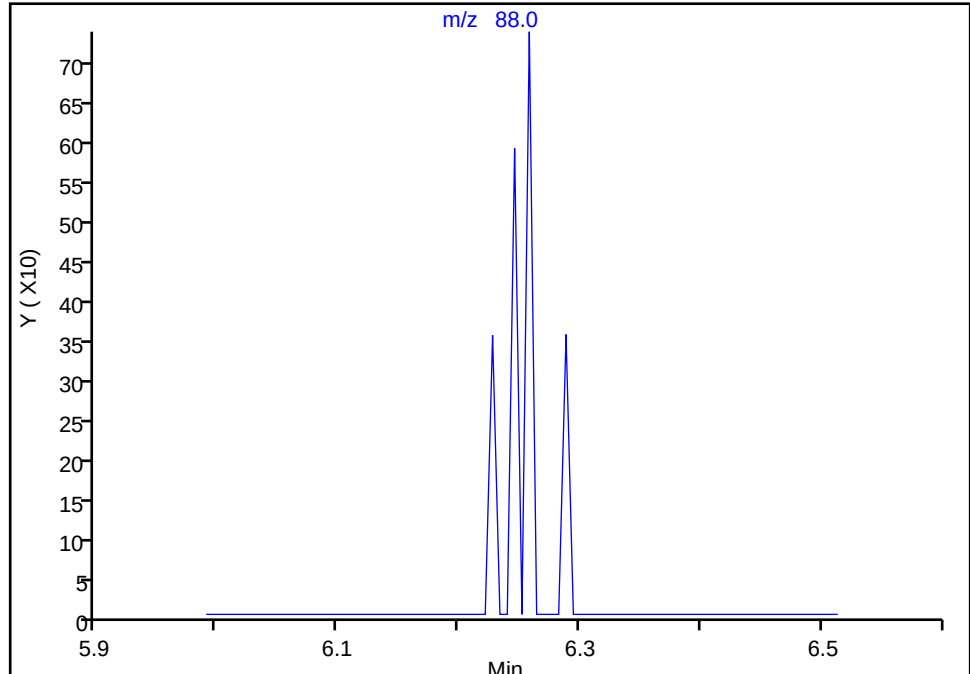
66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

Not Detected

Expected RT: 6.25

Processing Integration Results



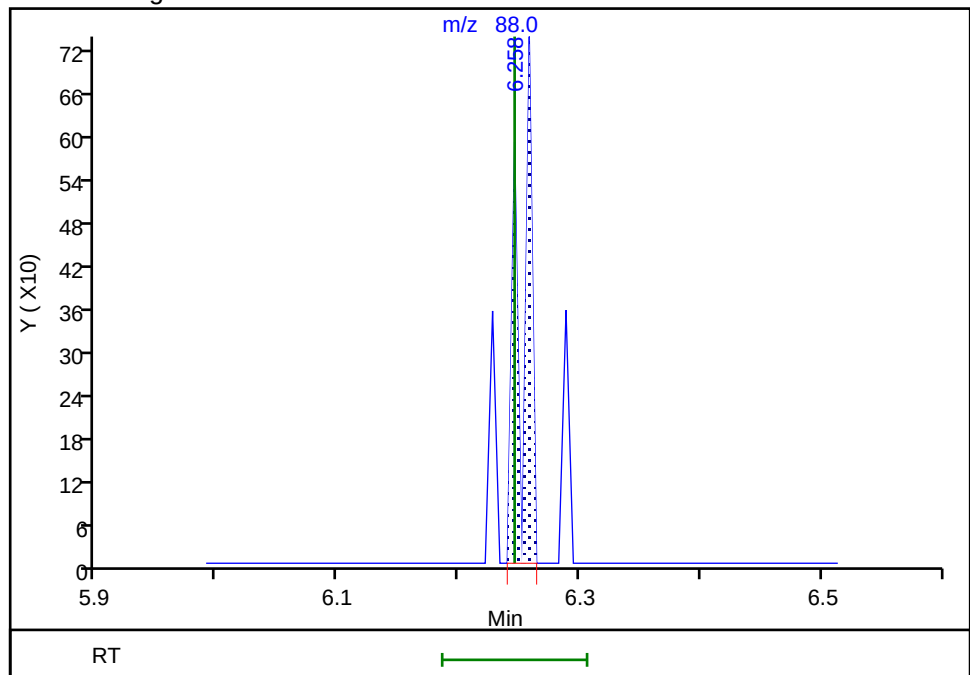
RT: 6.26

Area: 485

Amount: 18.689662

Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:45:10

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

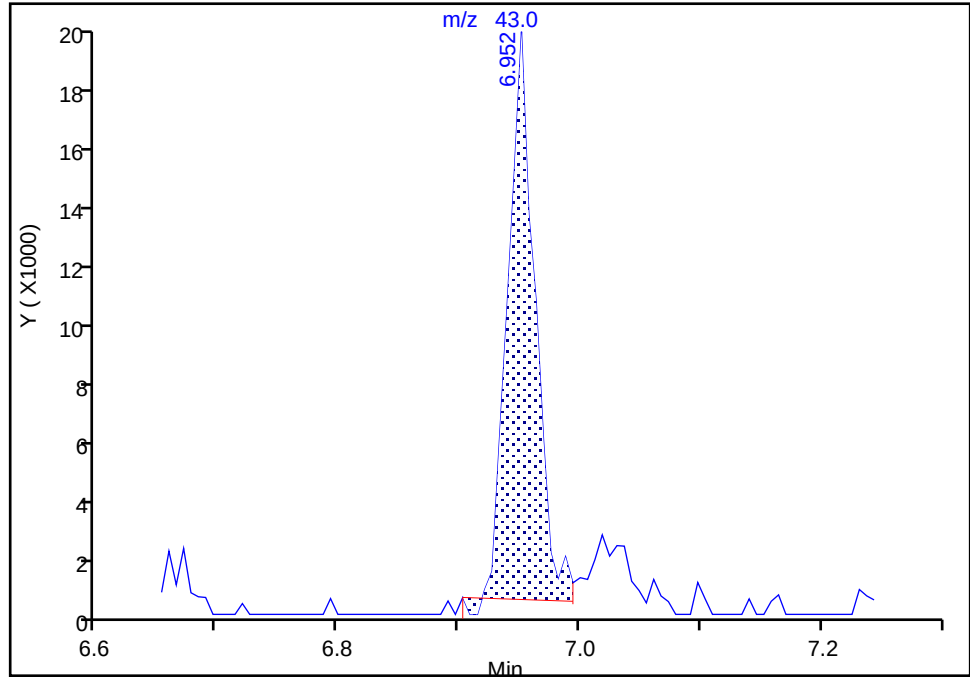
MS SCAN

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

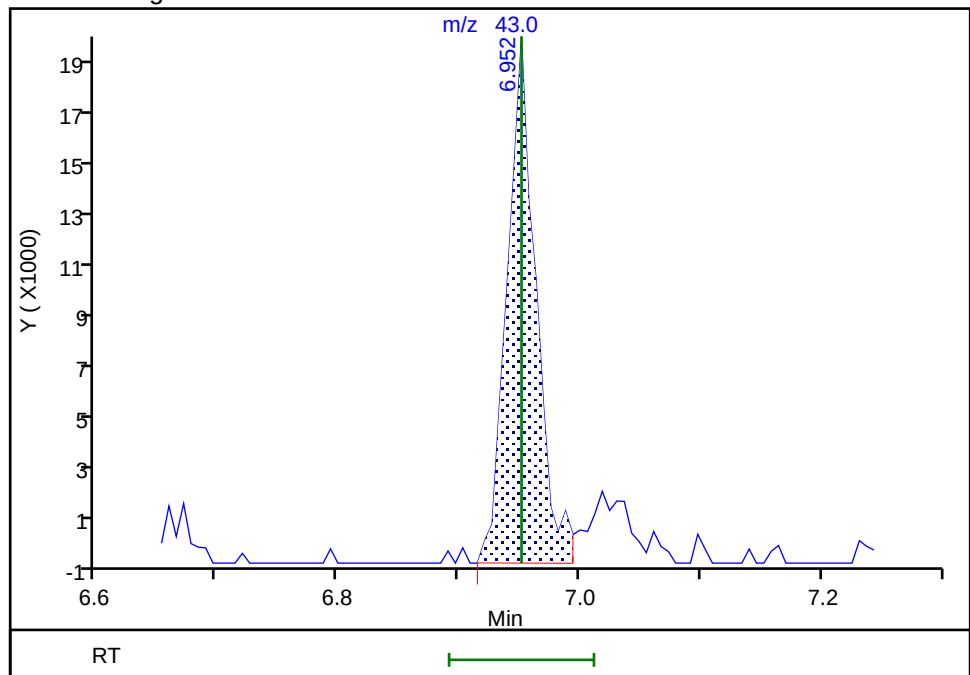
RT: 6.95
Area: 29564
Amount: 2.370232
Amount Units: ug/L

Processing Integration Results



RT: 6.95
Area: 32292
Amount: 2.560938
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:03:07

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

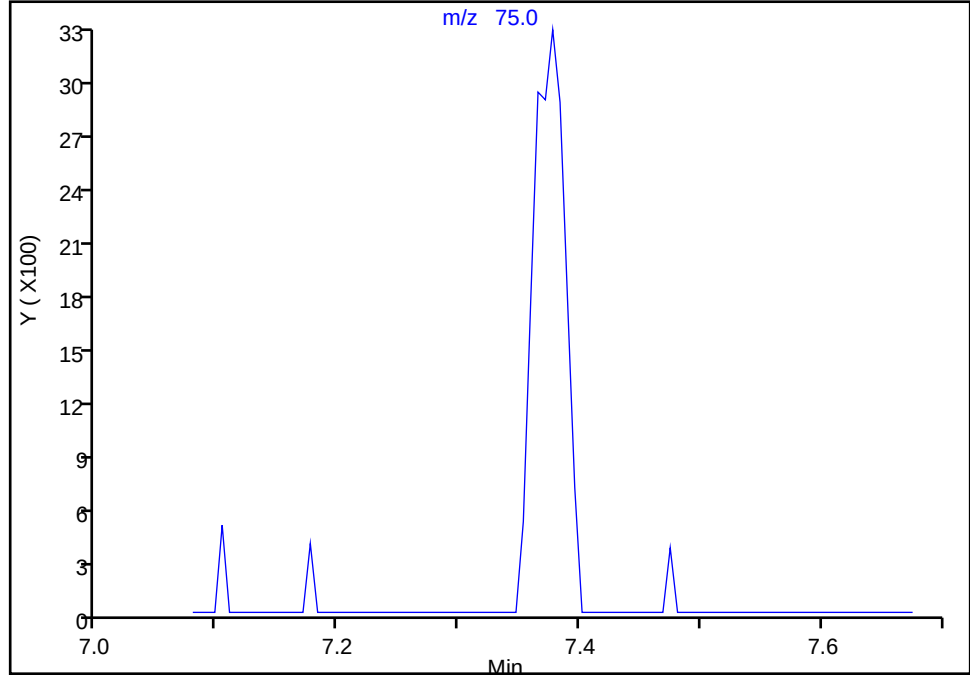
77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

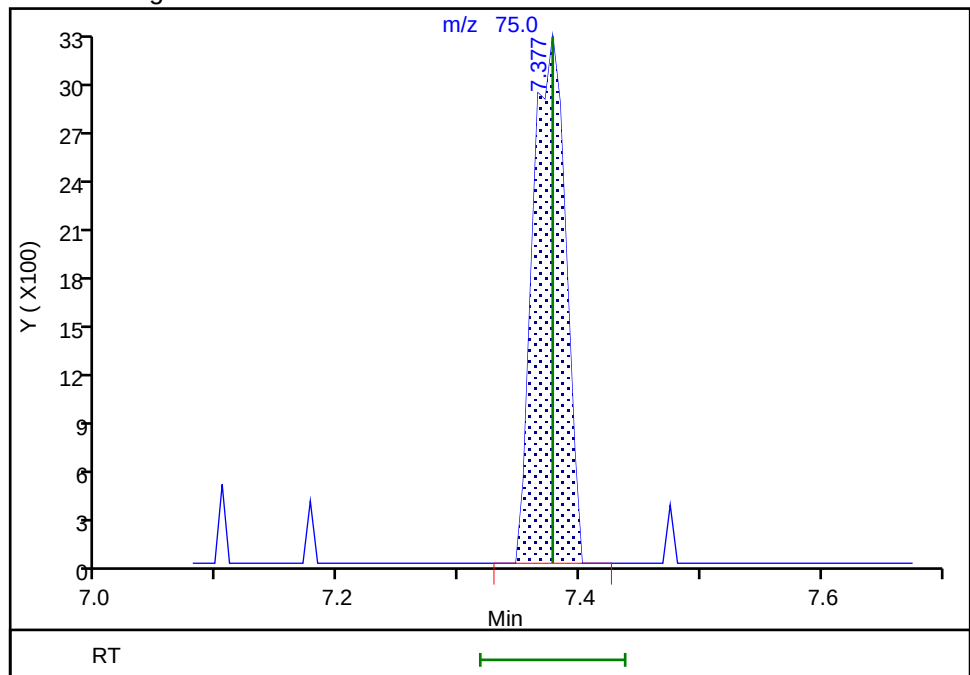
Not Detected

Expected RT: 7.38

Processing Integration Results



Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:45:20

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

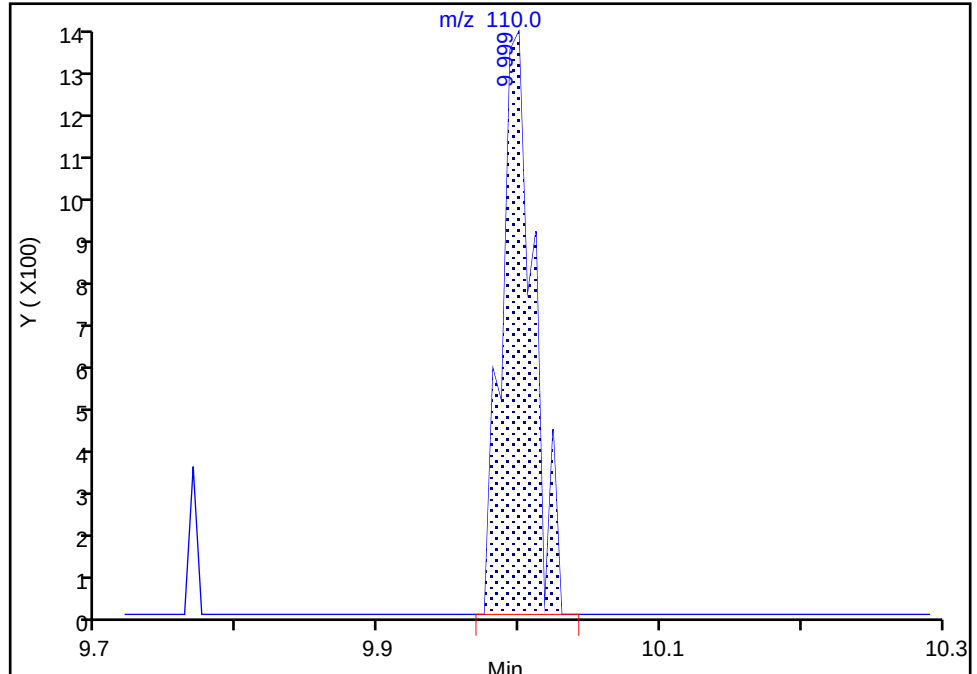
Detector: MS SCAN

100 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

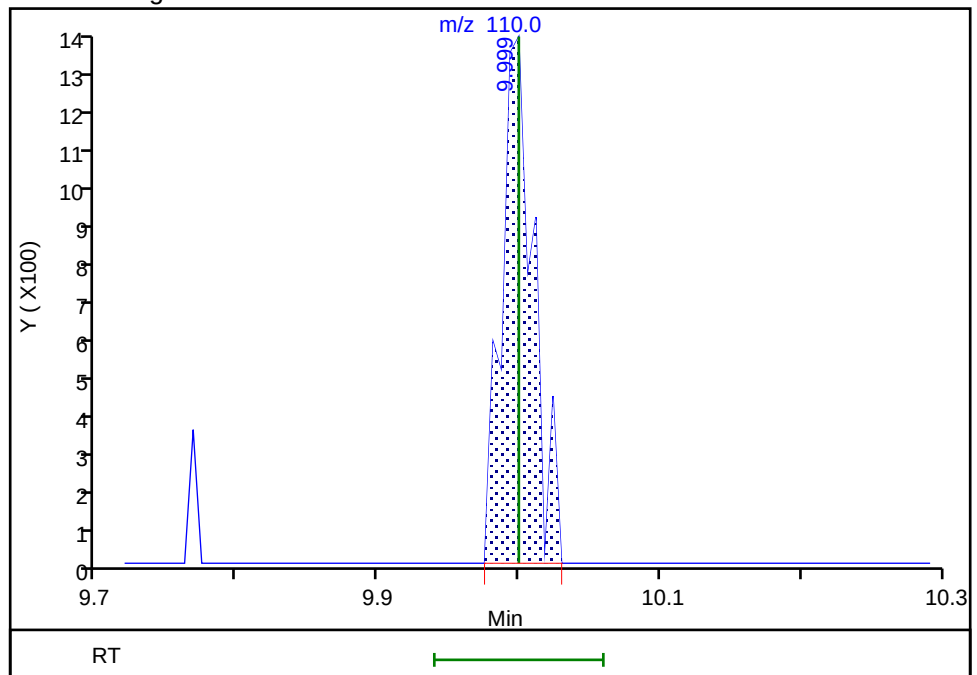
RT: 10.00
Area: 2169
Amount: 0.520804
Amount Units: ug/L

Processing Integration Results



RT: 10.00
Area: 2169
Amount: 0.525119
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:04:14

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

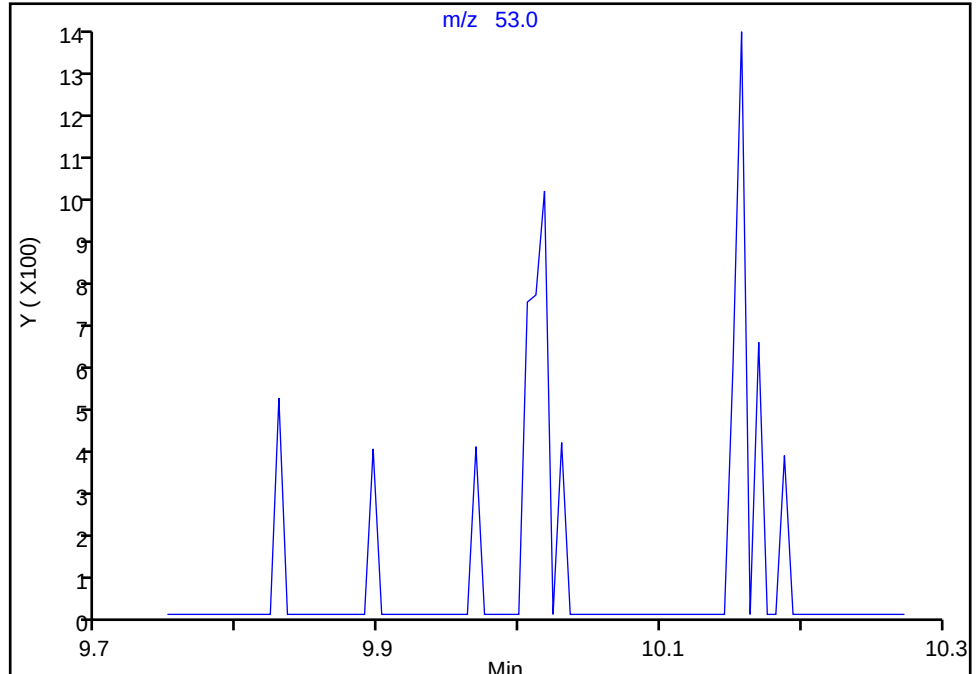
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D
Injection Date: 20-Jun-2018 13:51:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

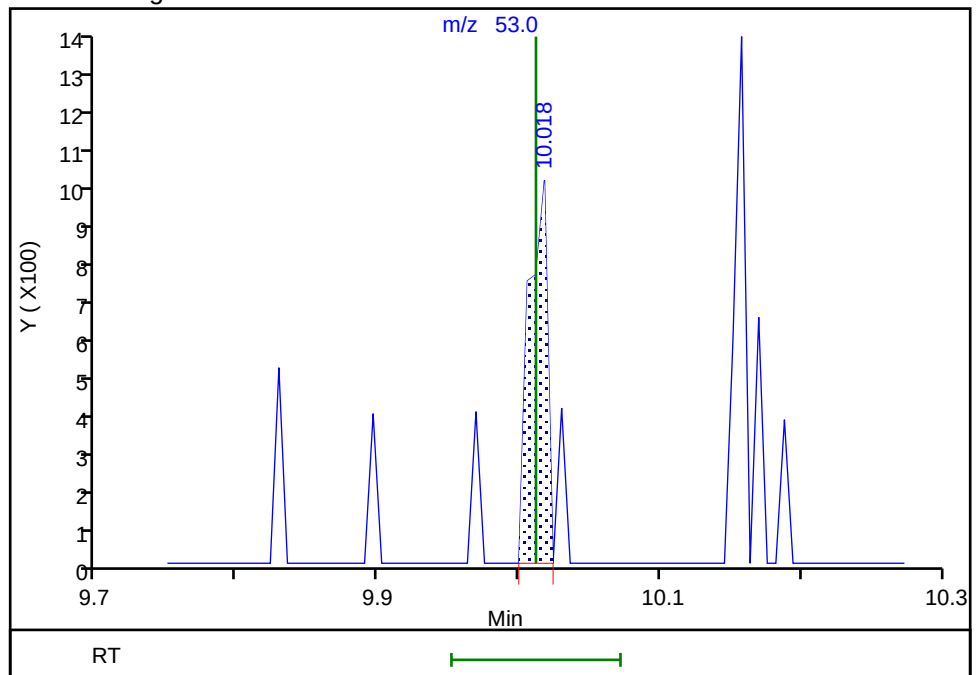
Not Detected
Expected RT: 10.01

Processing Integration Results



RT: 10.02
Area: 863
Amount: 0.772476
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:04:23
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

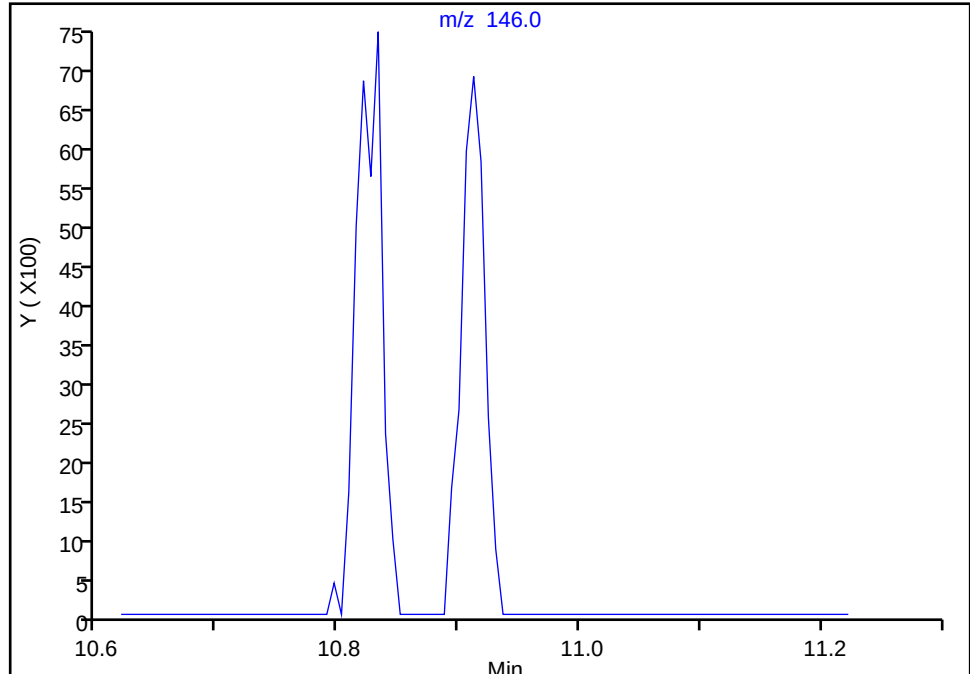
113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

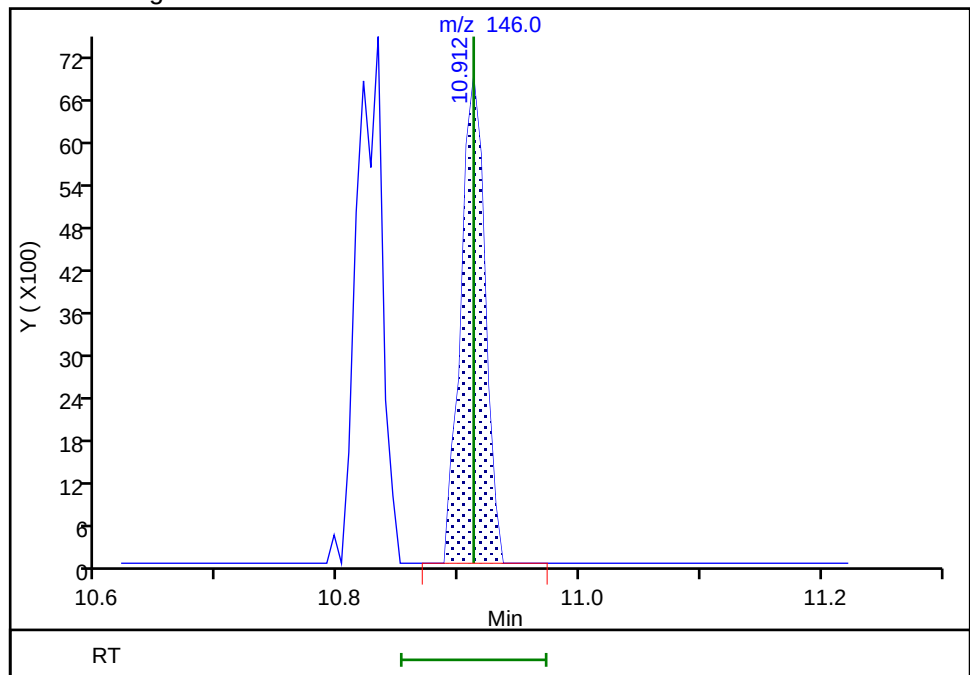
Not Detected

Expected RT: 10.91

Processing Integration Results



Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:45:54

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

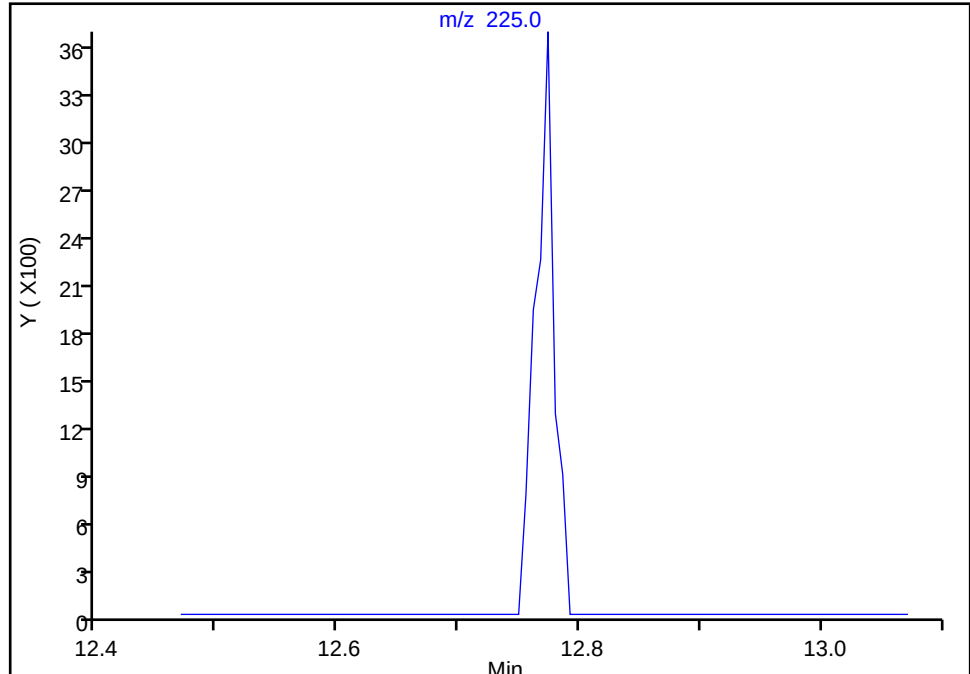
120 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

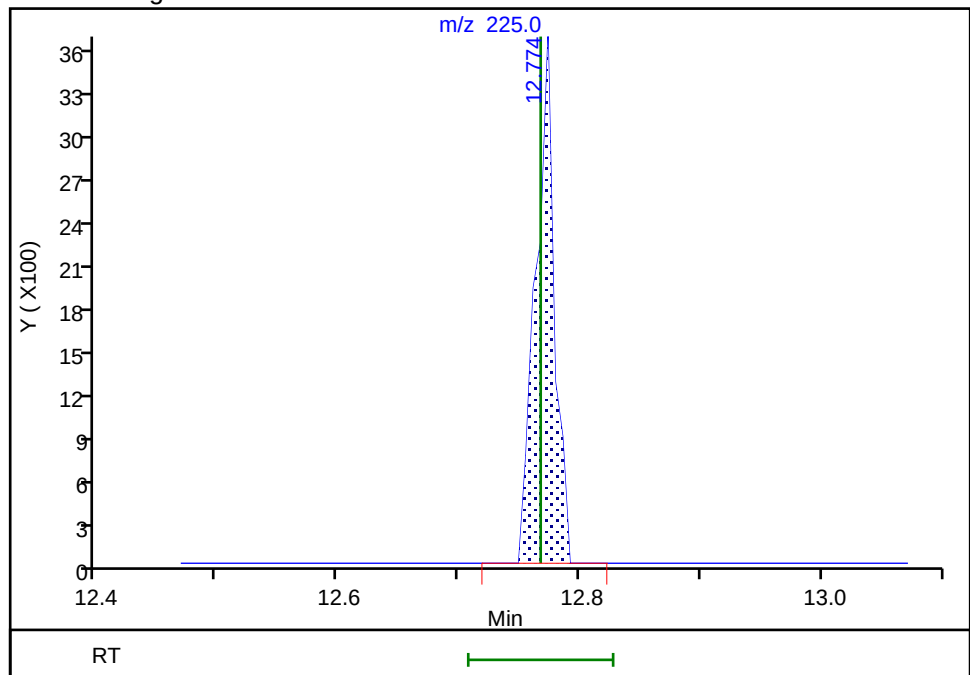
Not Detected

Expected RT: 12.77

Processing Integration Results



Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:46:00

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

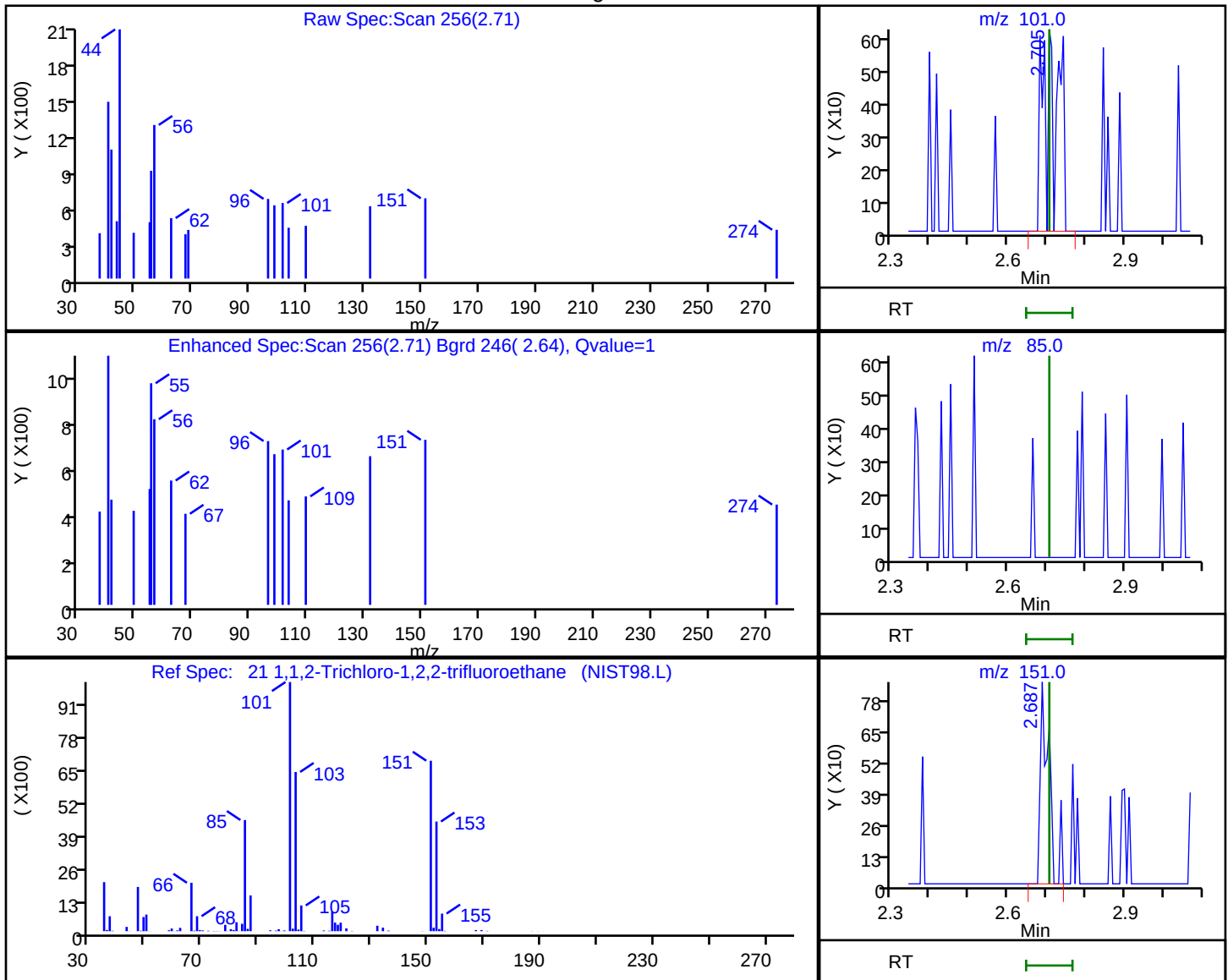
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Processing Results



RT	Mass	Response	Amount
2.71	101.00	1737	0.614237
2.71	85.00	0	
2.69	151.00	1339	

Reviewer: moffata, 21-Jun-2018 11:57:25

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2506.D

Injection Date: 20-Jun-2018 13:51:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

3

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

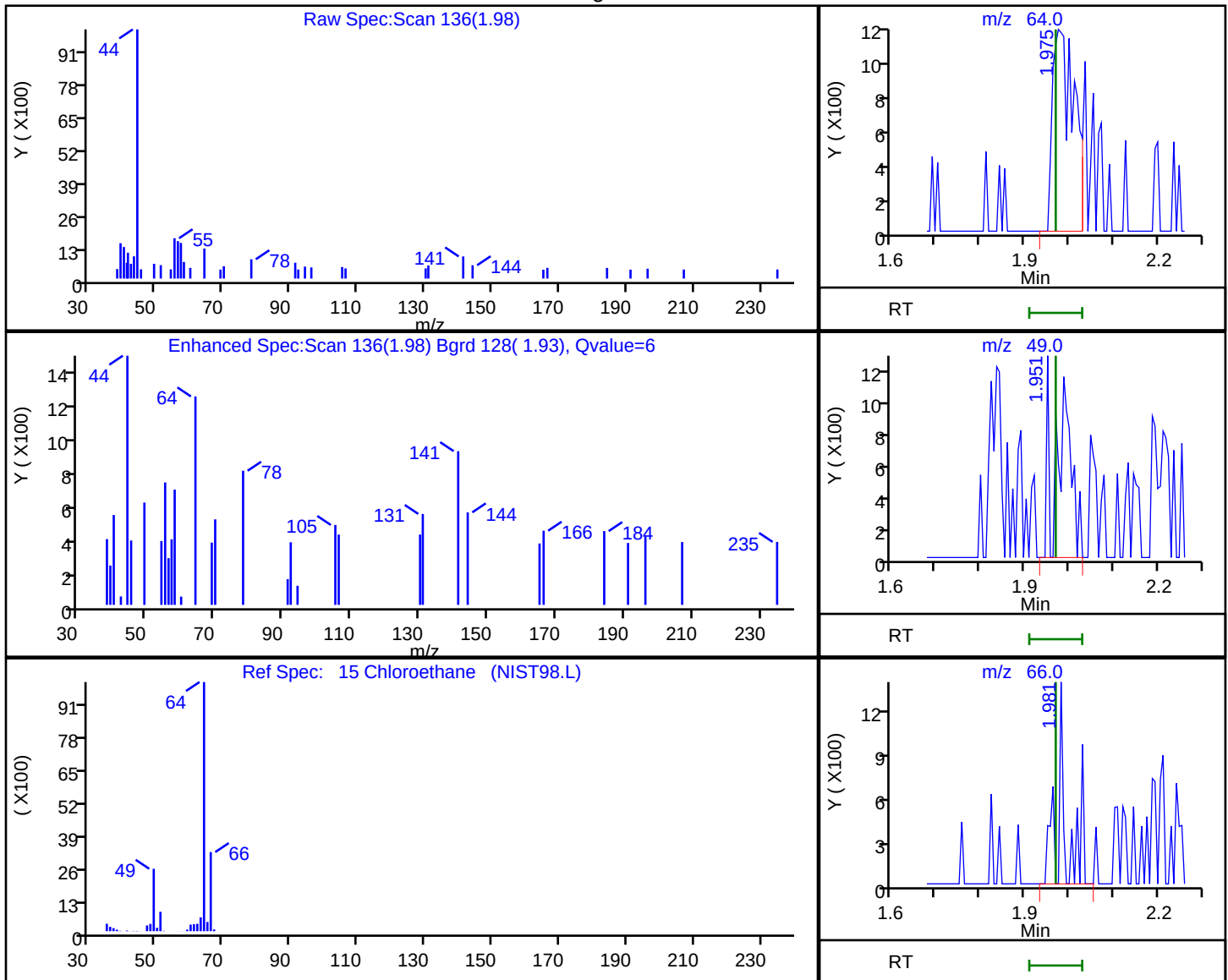
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.98	64.00	4050	0.494855
1.95	49.00	2720	
1.98	66.00	1758	

Reviewer: moffata, 21-Jun-2018 11:56:58

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 20-Jun-2018 14:14:30 ALS Bottle#: 4 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0072482-006
 Operator ID: LH/ZV Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Jun-2018 14:25:40 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: nowakk

Date: 20-Jun-2018 20:27:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	196233	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	85	387033	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	96	370596	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	58	231529	25.0	24.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.236	5.242	-0.006	0	156518	25.0	25.5	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	92	938964	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	87	293518	25.0	25.4	
10 Dichlorodifluoromethane	85	1.282	1.282	0.000	36	7348	1.00	0.7775	M
12 Chloromethane	50	1.476	1.464	0.012	78	15313	1.00	1.02	M
13 Vinyl chloride	62	1.555	1.549	0.006	27	12290	1.00	0.9206	
151 Butadiene	54	1.574	1.574	0.000	65	14101	1.00	1.01	M
14 Bromomethane	94	1.896	1.872	0.024	21	7740	1.00	1.08	
15 Chloroethane	64	1.987	1.969	0.018	44	7969	1.00	0.9863	
16 Dichlorofluoromethane	67	2.194	2.194	0.000	35	18841	1.00	1.06	M
17 Trichlorofluoromethane	101	2.194	2.194	0.000	23	9809	1.00	0.7755	M
18 Ethyl ether	59	2.498	2.492	0.006	68	10116	1.00	0.8990	M
20 Acrolein	56	2.687	2.687	0.000	62	10896	5.00	5.06	
21 1,1,2-Trichloro-1,2,2-trif	101	2.717	2.705	0.012	1	4012	1.00	0.8855	M
22 1,1-Dichloroethene	96	2.723	2.730	-0.007	48	5891	1.00	0.6796	M
23 Acetone	43	2.857	2.851	0.006	94	21919	5.00	5.81	M
25 Iodomethane	142	2.894	2.894	0.000	76	9518	1.00	0.7508	
26 Carbon disulfide	76	2.918	2.918	0.000	61	21977	1.00	0.7953	
28 3-Chloro-1-propene	41	3.095	3.089	0.007	78	13283	1.00	0.7904	M
27 Methyl acetate	43	3.155	3.143	0.012	96	18391	2.00	1.86	
30 Methylene Chloride	84	3.277	3.253	0.024	73	27400	1.00	0.7662	M
31 2-Methyl-2-propanol	59	3.435	3.423	0.012	67	10697	10.0	8.36	M
32 Methyl tert-butyl ether	73	3.454	3.454	0.000	87	29403	1.00	0.9052	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	71	8953	1.00	0.9025	
33 Acrylonitrile	53	3.539	3.539	0.000	98	54039	10.0	10.3	M
35 Hexane	57	3.660	3.660	0.000	77	16451	1.00	0.8994	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.898	3.892	0.006	59	18747	1.00	0.8971	
37 Vinyl acetate	43	3.952	3.952	0.000	95	48840	2.00	2.03	
44 2,2-Dichloropropane	77	4.421	4.415	0.006	58	10146	1.00	0.8761	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	38	9571	1.00	0.8396	M
43 2-Butanone (MEK)	43	4.506	4.494	0.012	90	28054	5.00	4.84	M
48 Chlorobromomethane	128	4.701	4.695	0.006	61	4881	1.00	0.8962	
49 Tetrahydrofuran	42	4.713	4.713	0.000	83	9288	2.00	2.33	
50 Chloroform	83	4.774	4.774	0.000	55	18254	1.00	1.00	
51 1,1,1-Trichloroethane	97	4.877	4.877	0.000	59	11720	1.00	0.8626	
52 Cyclohexane	56	4.889	4.883	0.006	66	14257	1.00	0.7800	
55 Carbon tetrachloride	117	5.011	5.011	0.000	69	9145	1.00	0.8032	M
54 1,1-Dichloropropene	75	5.035	5.029	0.006	71	11150	1.00	0.8051	
57 Benzene	78	5.236	5.236	0.000	41	36984	1.00	0.8884	
53 Isobutyl alcohol	43	5.266	5.266	0.000	49	12199	25.0	22.7	
58 1,2-Dichloroethane	62	5.315	5.315	0.000	71	16247	1.00	0.9660	M
59 n-Heptane	43	5.406	5.412	-0.006	79	15455	1.00	0.9085	
62 Trichloroethene	95	5.850	5.850	0.000	66	9061	1.00	0.8437	
64 Methylcyclohexane	83	5.954	5.960	-0.006	65	12551	1.00	0.7674	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	64	12180	1.00	0.9699	
67 Dibromomethane	93	6.240	6.234	0.006	78	5931	1.00	0.9046	
66 1,4-Dioxane	88	6.258	6.246	0.012	1	597	20.0	20.1	M
68 Dichlorobromomethane	83	6.398	6.386	0.012	28	10219	1.00	0.8092	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	66	8583	1.00	1.02	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	59	13358	1.00	0.8413	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	89	59826	5.00	4.84	
74 Toluene	92	7.091	7.085	0.006	73	24418	1.00	0.9491	
77 trans-1,3-Dichloropropene	75	7.377	7.377	0.000	67	12197	1.00	0.8606	
75 Ethyl methacrylate	69	7.414	7.414	0.000	72	12849	1.00	0.9248	
79 1,1,2-Trichloroethane	83	7.572	7.566	0.006	54	7331	1.00	0.9458	
81 Tetrachloroethene	166	7.621	7.615	0.006	82	9718	1.00	0.8945	
82 1,3-Dichloropropane	76	7.736	7.730	0.006	59	15786	1.00	0.9657	
80 2-Hexanone	43	7.791	7.791	0.000	92	44500	5.00	4.89	
83 Chlorodibromomethane	129	7.961	7.961	0.000	36	7156	1.00	0.8118	M
84 Ethylene Dibromide	107	8.071	8.071	0.000	53	10524	1.00	1.08	
87 Chlorobenzene	112	8.539	8.539	0.000	83	24166	1.00	0.8571	
88 Ethylbenzene	91	8.631	8.631	0.000	93	41123	1.00	0.8869	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.643	0.000	37	8227	1.00	0.9023	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	0	17890	1.00	0.9484	
91 o-Xylene	106	9.178	9.178	0.000	80	15140	1.00	0.8457	
92 Styrene	104	9.209	9.209	0.000	51	25278	1.00	0.8227	
95 Bromoform	173	9.470	9.464	0.006	55	4863	1.00	0.8636	
94 Isopropylbenzene	105	9.561	9.561	0.000	77	39437	1.00	0.8441	
101 Bromobenzene	156	9.908	9.908	0.000	70	10335	1.00	0.8743	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	62	11498	1.00	0.9057	
99 N-Propylbenzene	91	9.981	9.987	-0.006	91	45097	1.00	0.8326	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	25	3120	1.00	0.7465	M
98 trans-1,4-Dichloro-2-buten	53	10.018	10.012	0.006	1	2682	1.00	1.16	M
103 2-Chlorotoluene	126	10.091	10.091	0.000	89	9082	1.00	0.7790	M
102 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	71	35625	1.00	0.8789	
105 4-Chlorotoluene	126	10.200	10.200	0.000	48	9952	1.00	0.8330	
106 tert-Butylbenzene	134	10.474	10.474	0.000	74	7151	1.00	0.8276	
107 1,2,4-Trimethylbenzene	105	10.535	10.529	0.006	9	33566	1.00	0.8108	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	76	40072	1.00	0.8245	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	82	31836	1.00	0.7610	
111 1,3-Dichlorobenzene	146	10.821	10.827	-0.006	64	20317	1.00	0.8846	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	58	23153	1.00	0.9886	
115 n-Butylbenzene	91	11.210	11.210	0.000	87	30240	1.00	0.8017	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	85	20878	1.00	0.9234	
117 1,2-Dibromo-3-Chloropropan	75	11.989	11.995	-0.006	1	1954	1.00	0.7932	M
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	64	13505	1.00	0.8399	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	45	5693	1.00	0.7405	
121 Naphthalene	128	12.883	12.877	0.006	79	38651	1.00	0.8794	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	62	12729	1.00	0.8584	
S 124 Xylenes, Total	1				0			1.79	
S 126 1,3-Dichloropropene, Total	1				0			1.70	
S 123 Total BTEX	1				0			4.52	
S 125 1,2-Dichloroethene, Total	1				0			1.74	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 1.00

Units: uL

GAS CORP mix_00287

Amount Added: 1.00

Units: uL

S_8260_IS_00293

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00274

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180620-72482.b\\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Operator ID: LH/ZV

Lims ID: IC

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

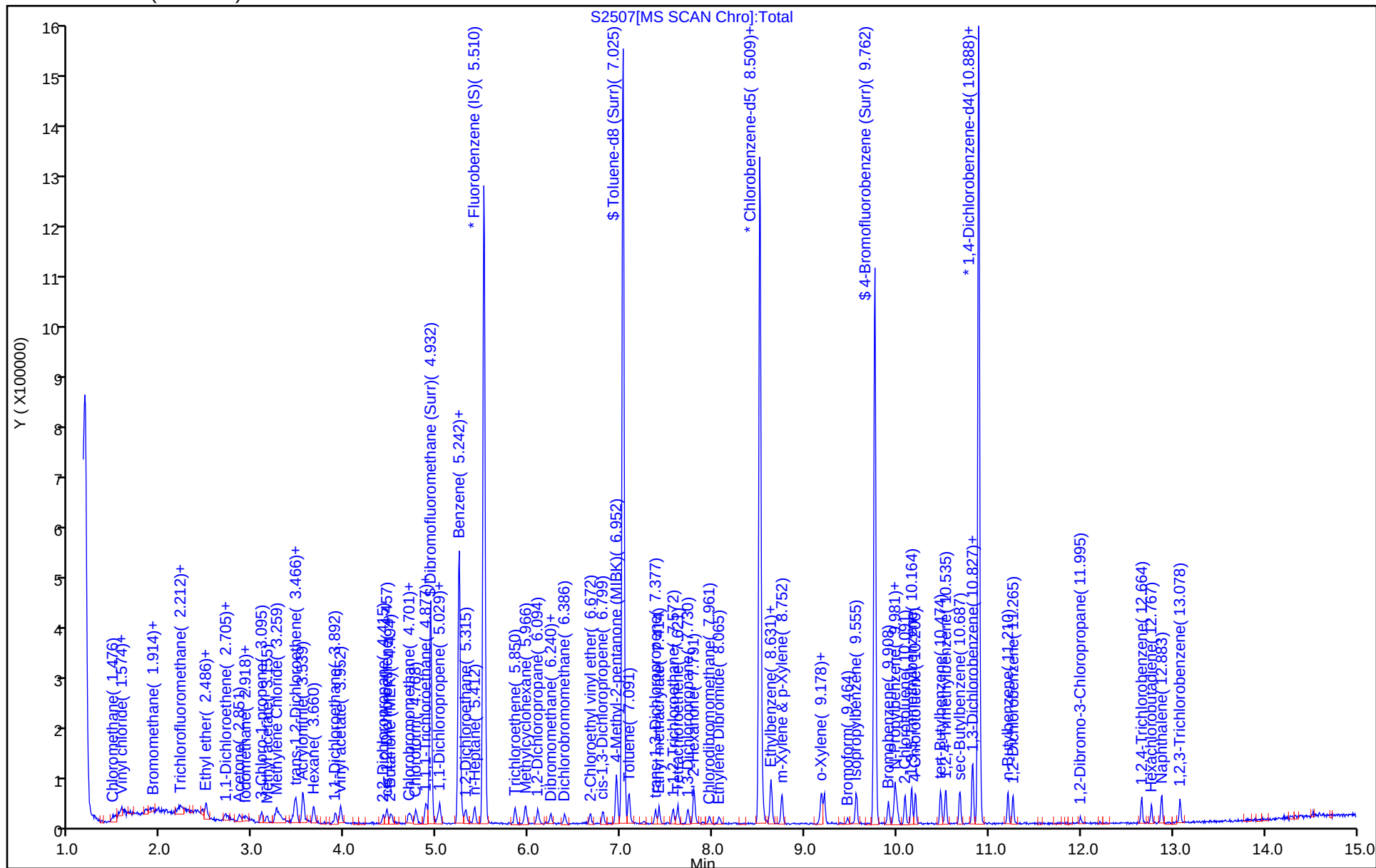
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

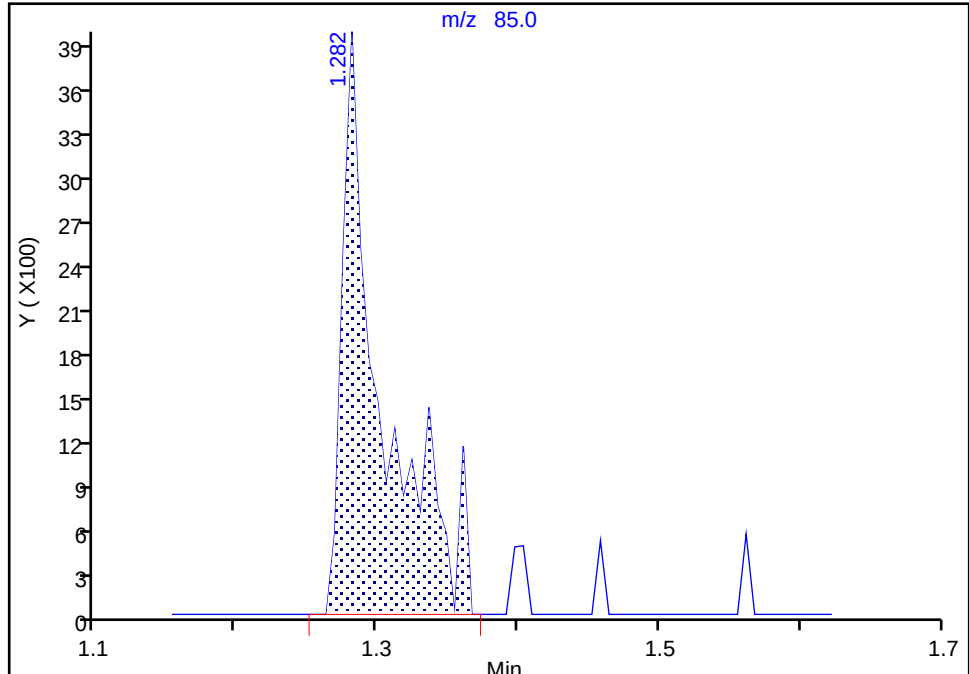
Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

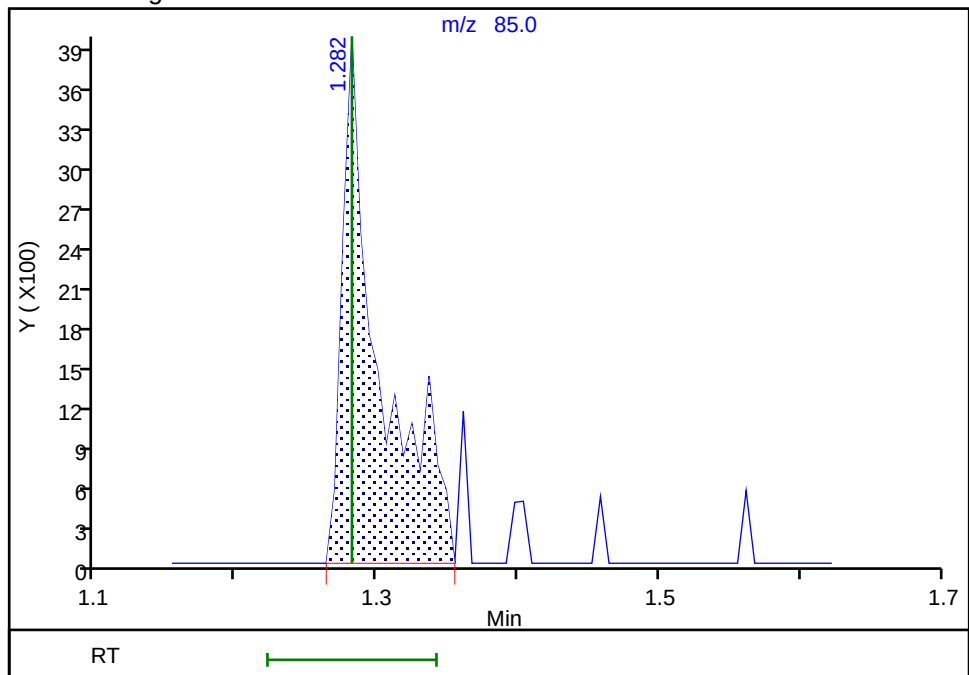
RT: 1.28
Area: 7767
Amount: 0.815608
Amount Units: ug/L

Processing Integration Results



RT: 1.28
Area: 7348
Amount: 0.777451
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:05:16

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

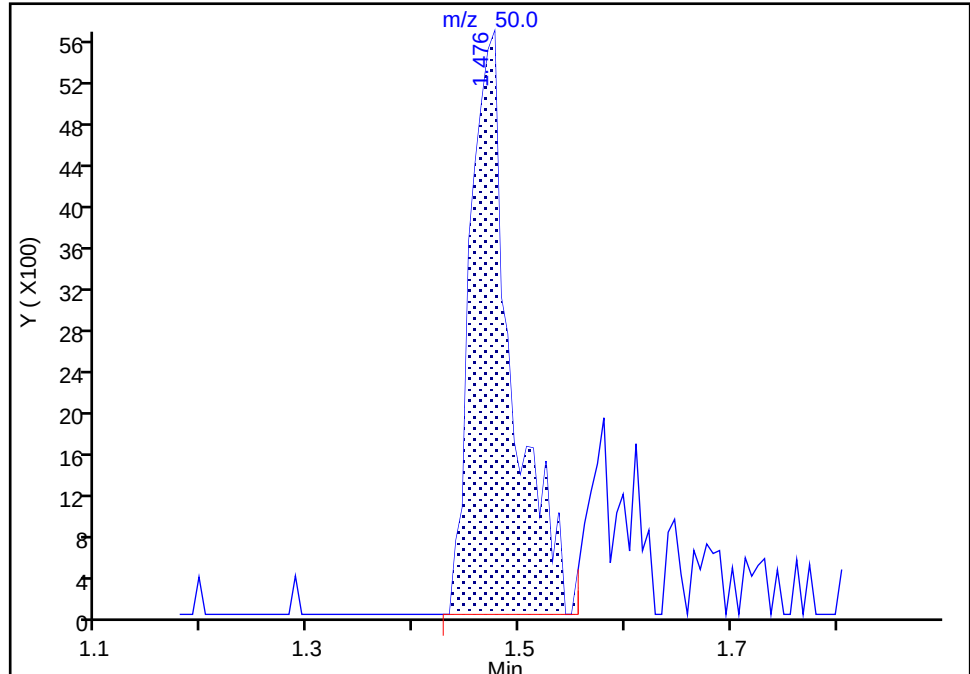
Detector: MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

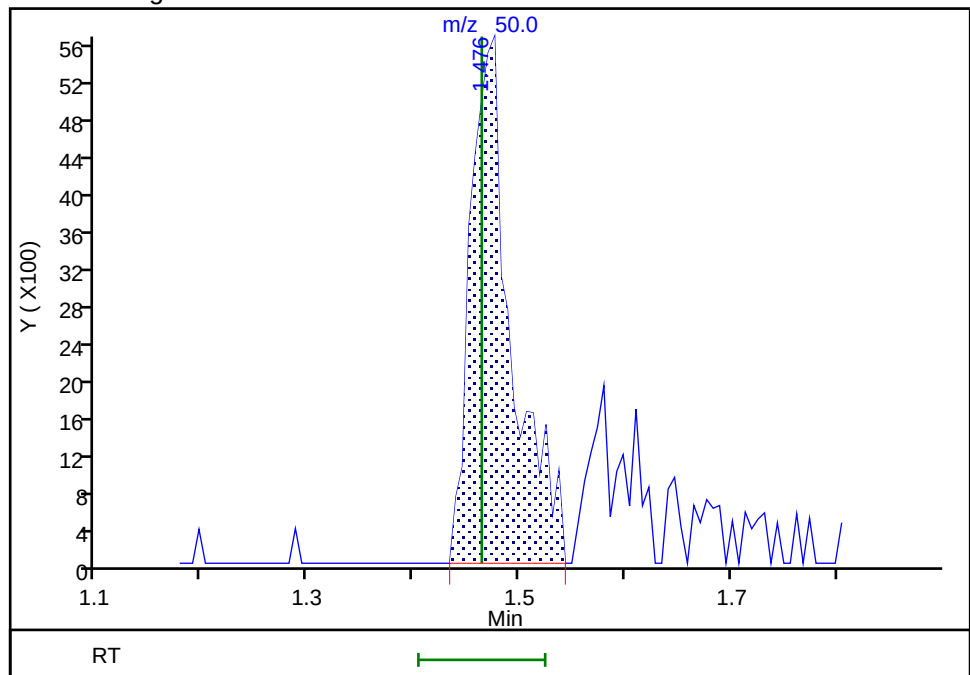
RT: 1.48
Area: 15473
Amount: 1.029331
Amount Units: ug/L

Processing Integration Results



RT: 1.48
Area: 15313
Amount: 1.020044
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:05:22

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

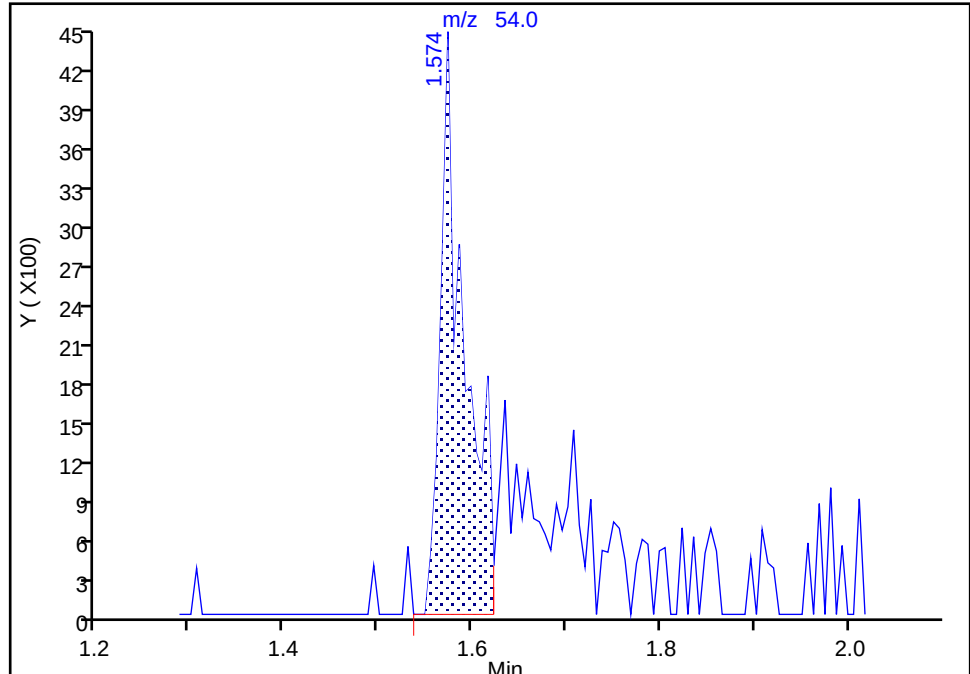
Detector: MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

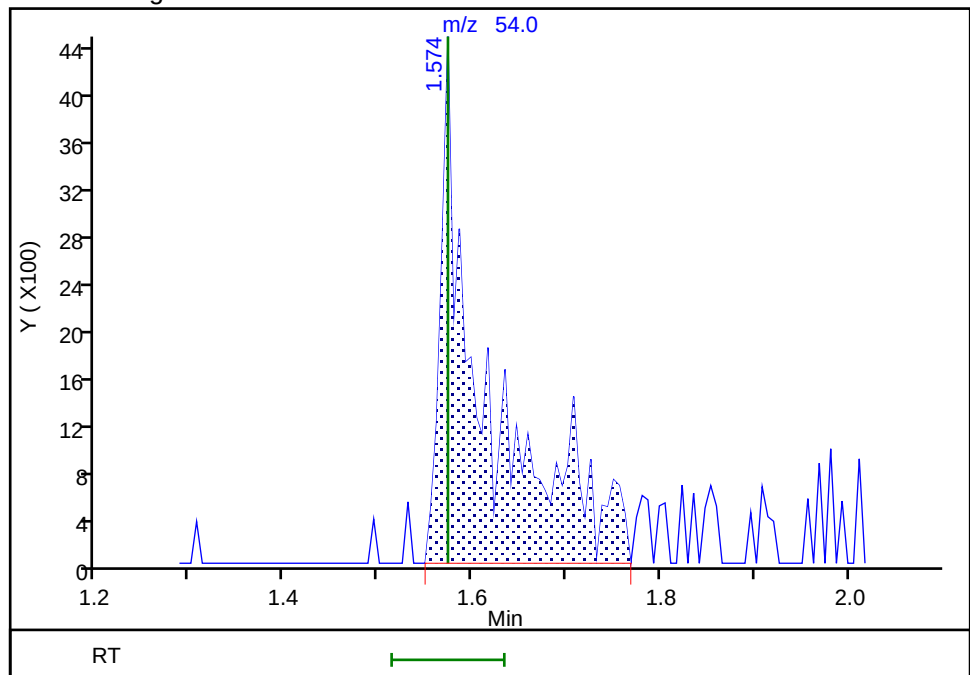
RT: 1.57
Area: 7860
Amount: 0.579263
Amount Units: ug/L

Processing Integration Results



RT: 1.57
Area: 14101
Amount: 1.012805
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 13:55:28

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

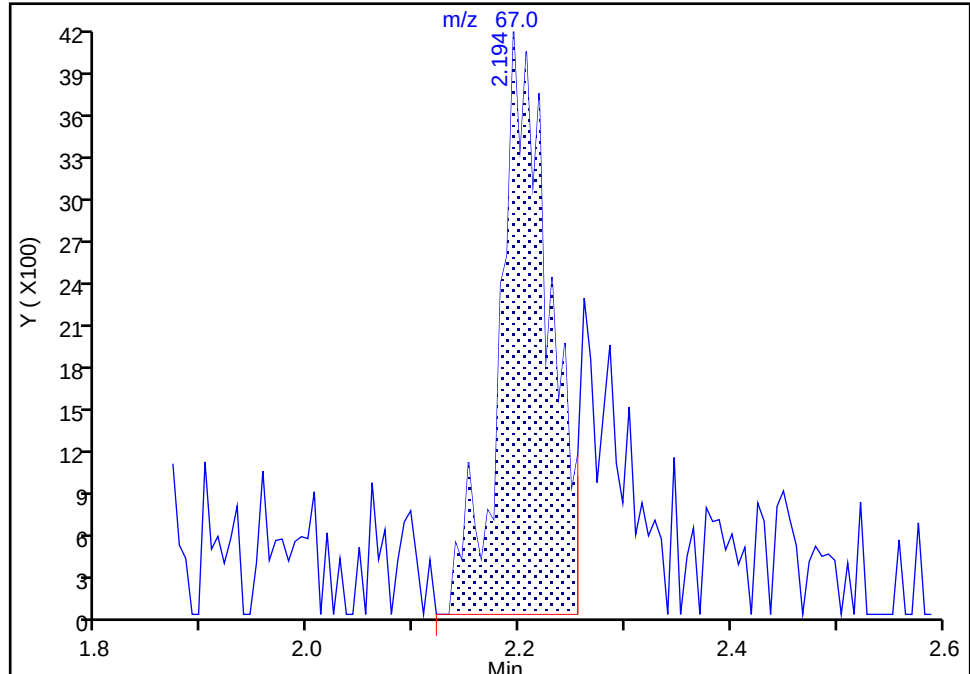
Detector: MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

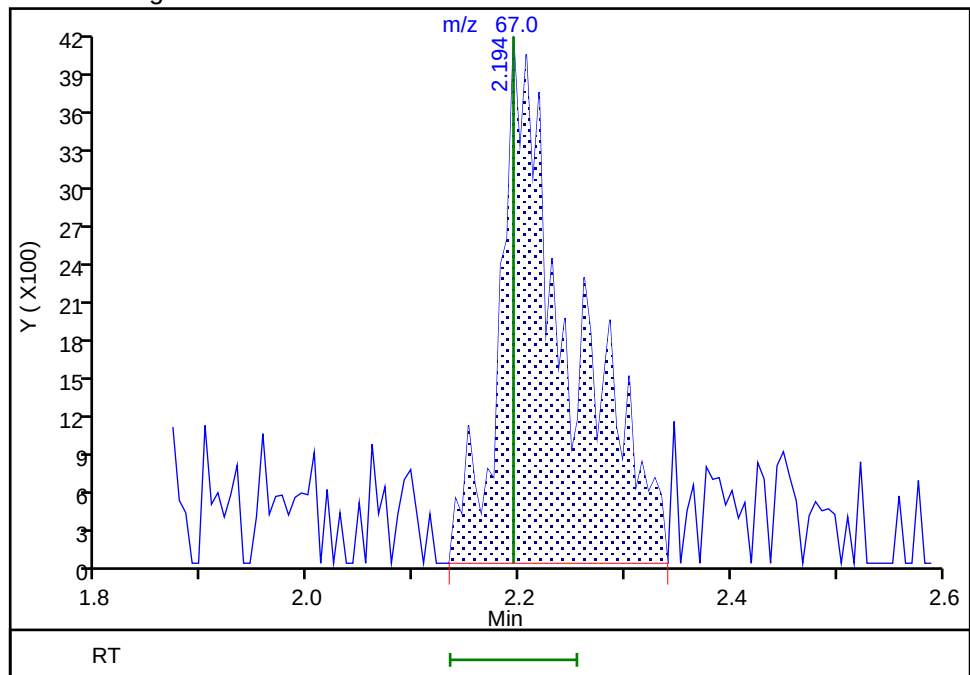
RT: 2.19
Area: 13440
Amount: 0.850503
Amount Units: ug/L

Processing Integration Results



RT: 2.19
Area: 18841
Amount: 1.064342
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:49:44

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

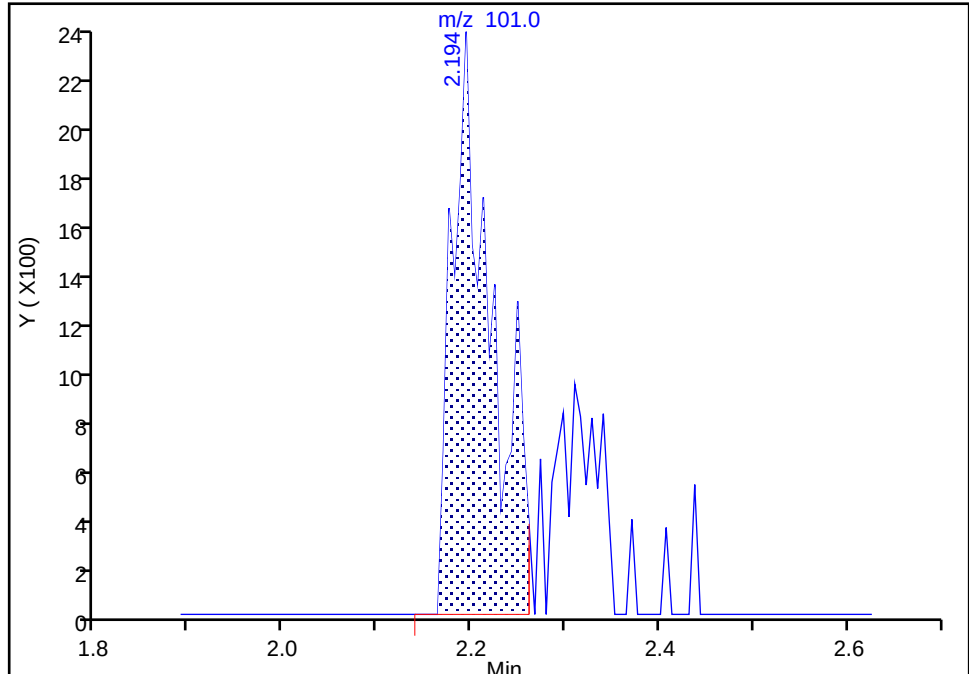
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D
Injection Date: 20-Jun-2018 14:14:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH/ZV ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

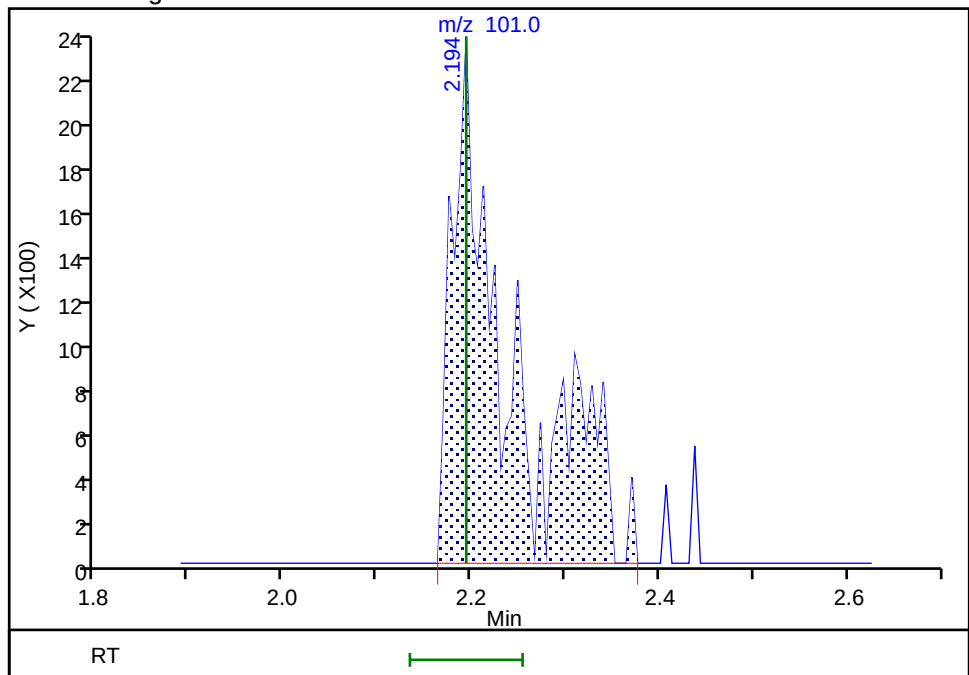
RT: 2.19
Area: 6814
Amount: 0.799434
Amount Units: ug/L

Processing Integration Results



RT: 2.19
Area: 9809
Amount: 0.775455
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 13:46:33
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

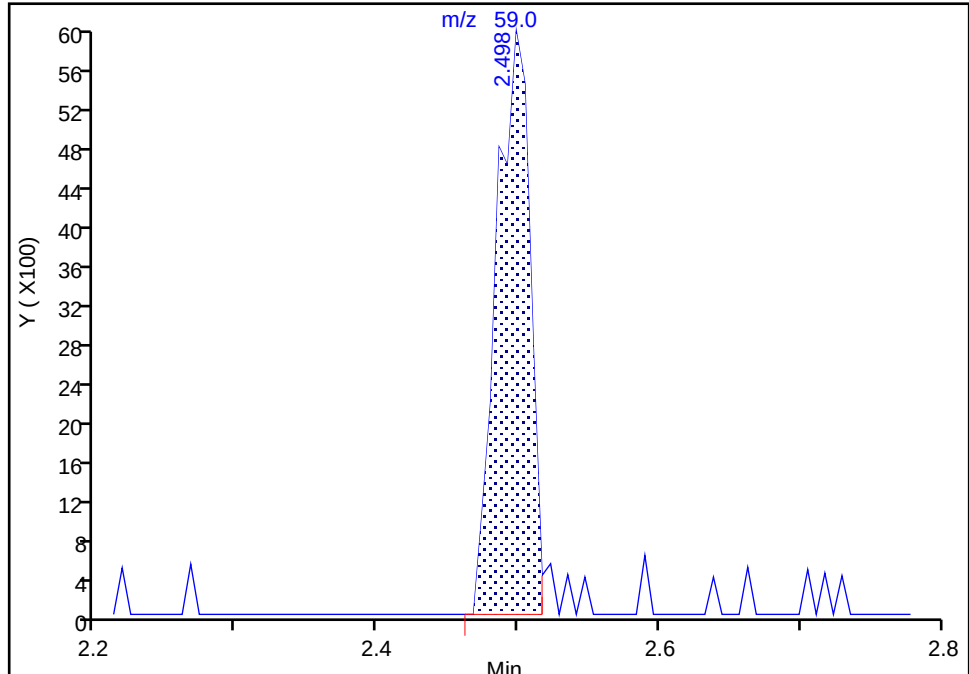
Detector: MS SCAN

18 Ethyl ether, CAS: 60-29-7

Signal: 1

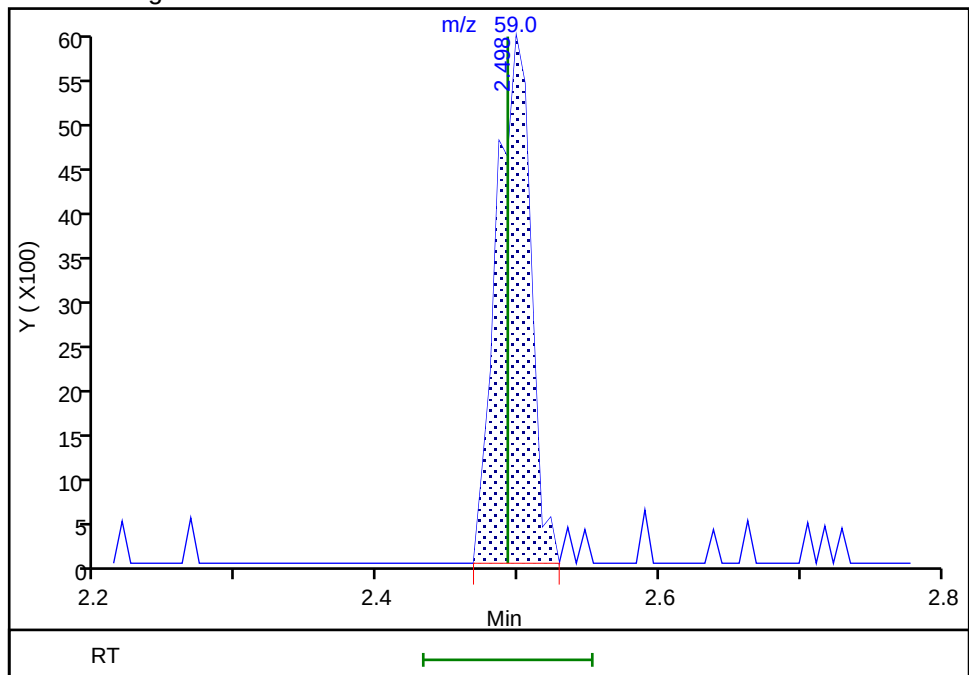
RT: 2.50
Area: 9925
Amount: 0.883933
Amount Units: ug/L

Processing Integration Results



RT: 2.50
Area: 10116
Amount: 0.899032
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:06:08

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

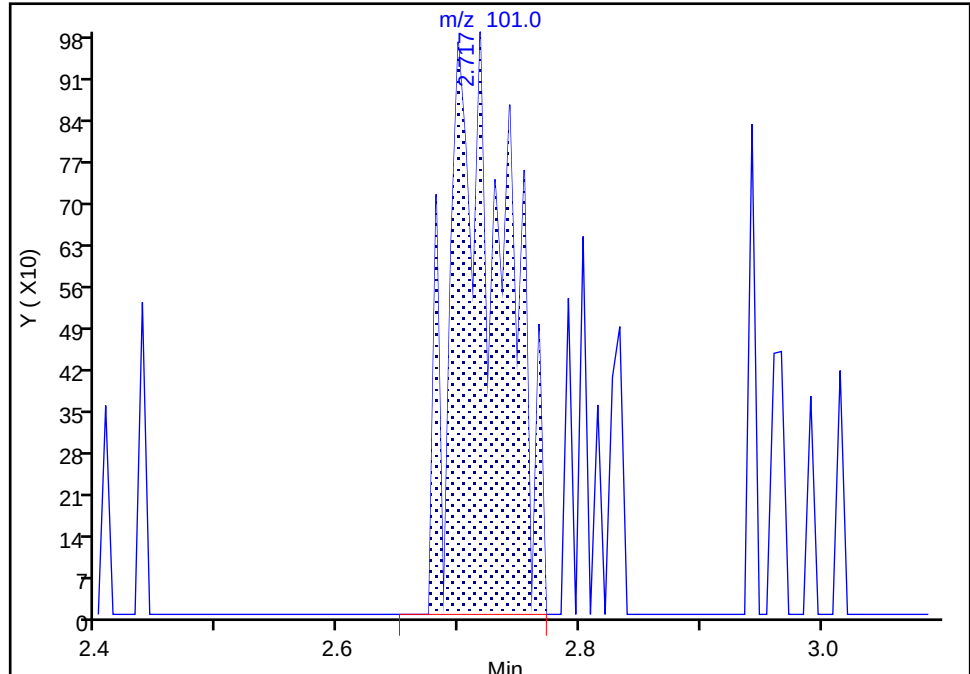
Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

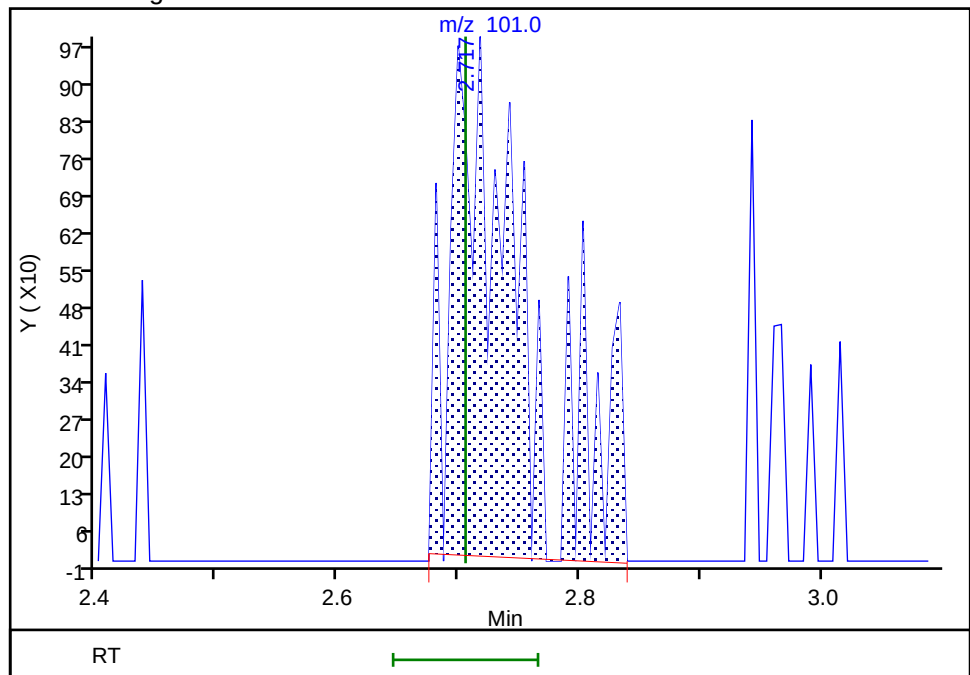
RT: 2.72
Area: 3185
Amount: 0.461181
Amount Units: ug/L

Processing Integration Results



RT: 2.72
Area: 4012
Amount: 0.885545
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 21-Jun-2018 14:05:54

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

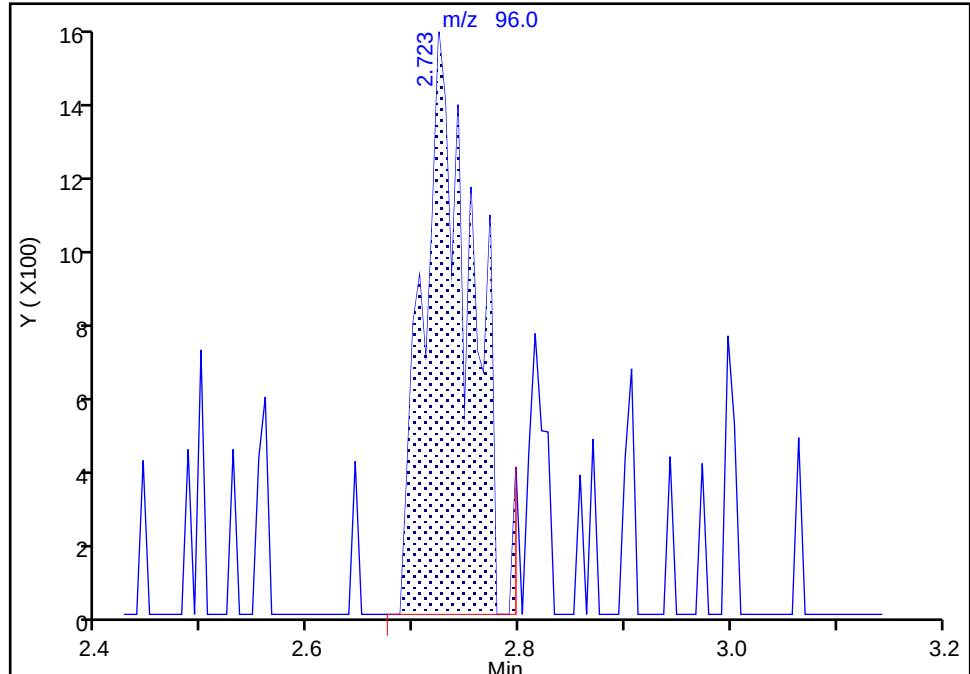
Detector: MS SCAN

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

Signal: 1

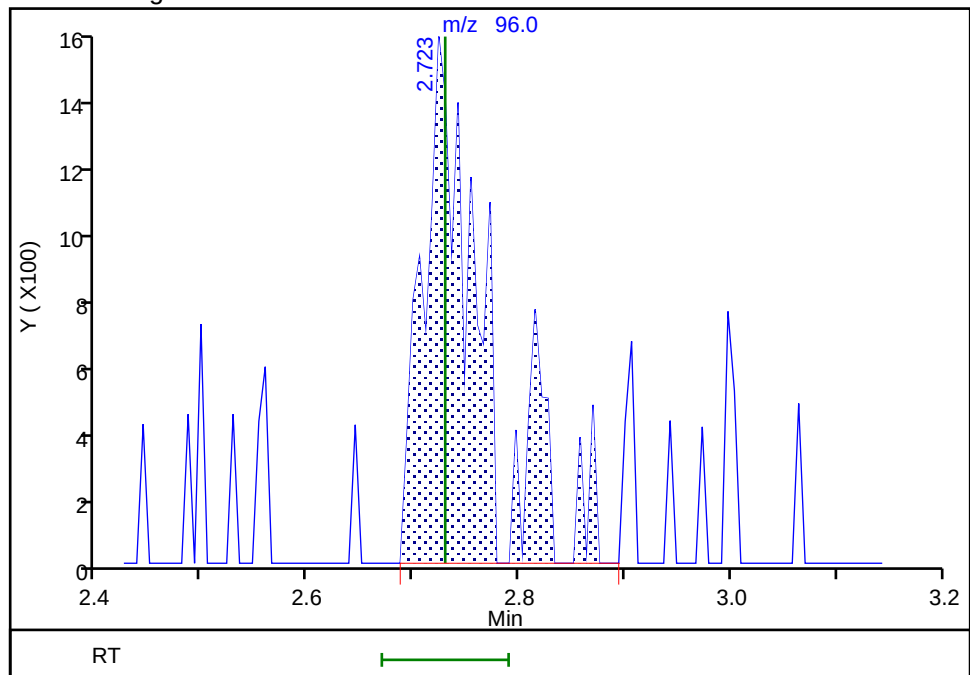
RT: 2.72
Area: 4813
Amount: 0.549905
Amount Units: ug/L

Processing Integration Results



RT: 2.72
Area: 5891
Amount: 0.679625
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 13:47:47

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

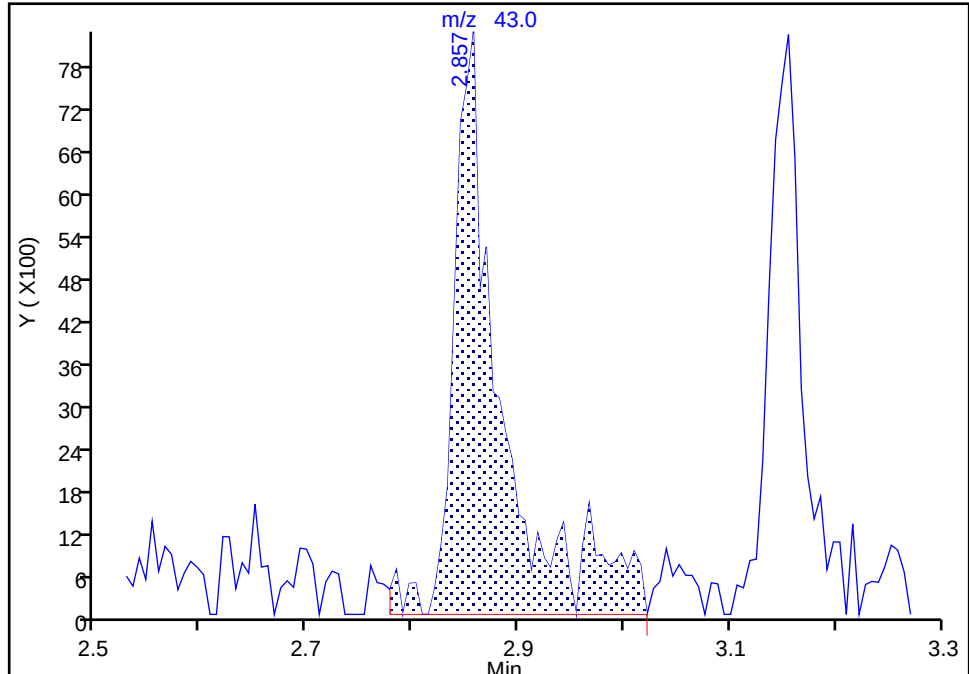
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D
Injection Date: 20-Jun-2018 14:14:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH/ZV ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

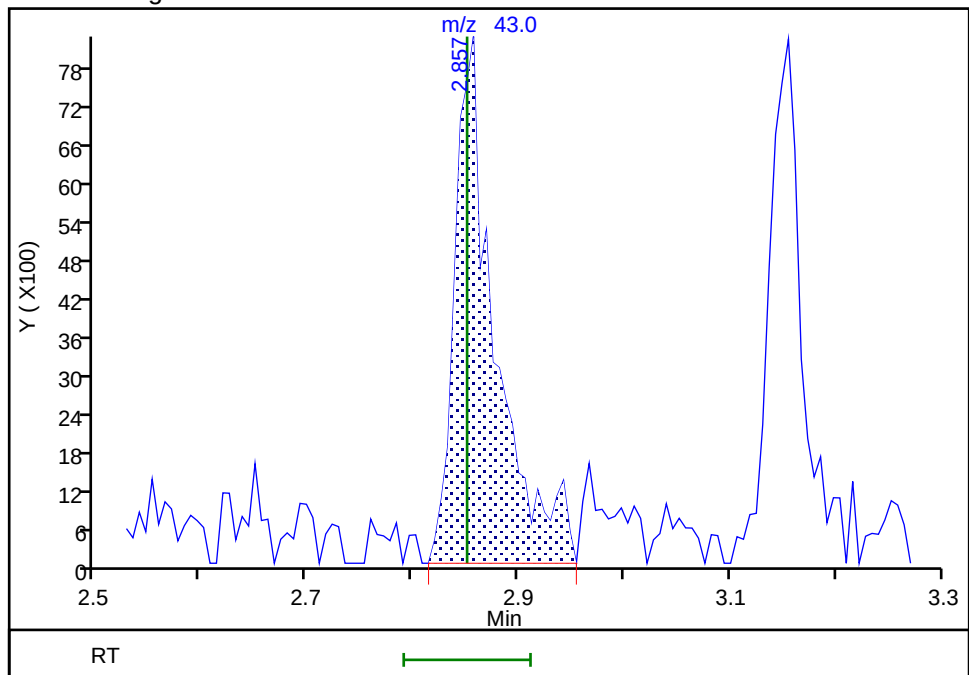
RT: 2.86
Area: 25800
Amount: 5.650467
Amount Units: ug/L

Processing Integration Results



RT: 2.86
Area: 21919
Amount: 5.805718
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:07:39
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

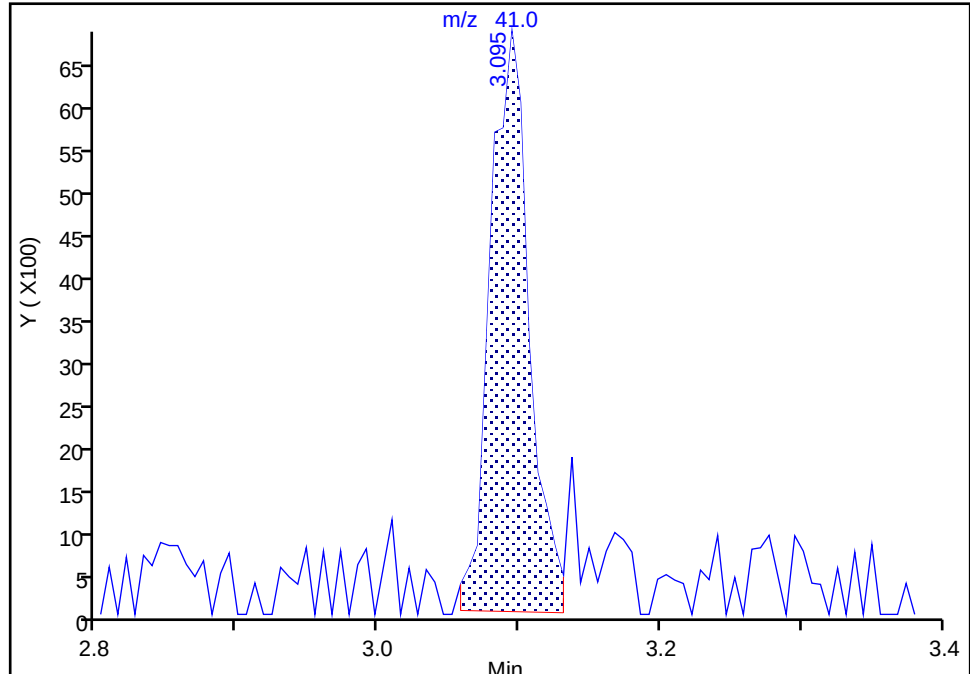
Detector: MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

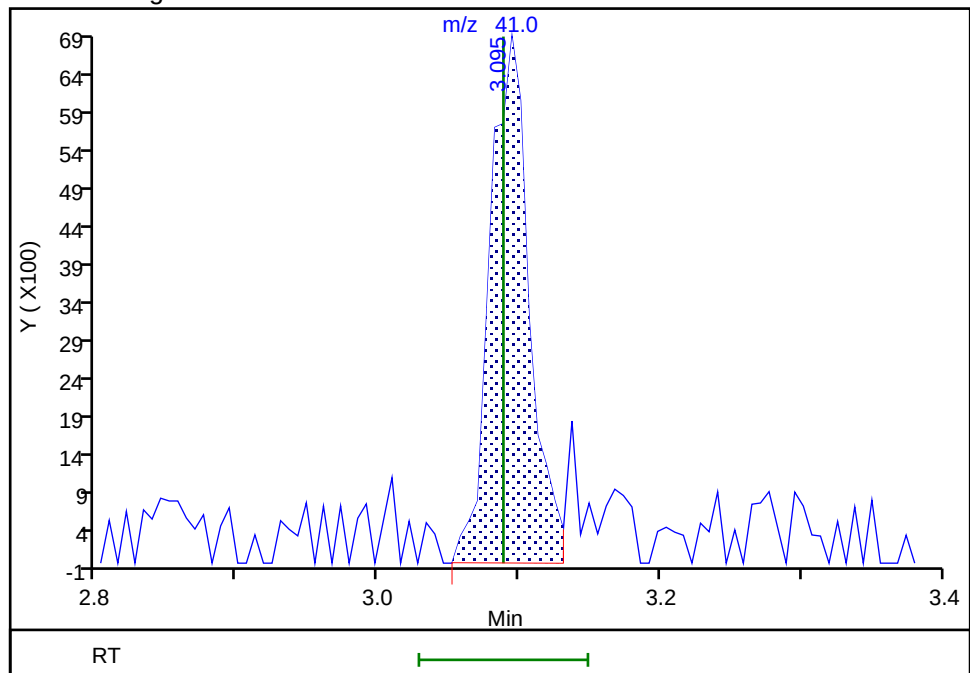
RT: 3.09
Area: 13141
Amount: 0.782798
Amount Units: ug/L

Processing Integration Results



RT: 3.09
Area: 13283
Amount: 0.790421
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:08:41

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

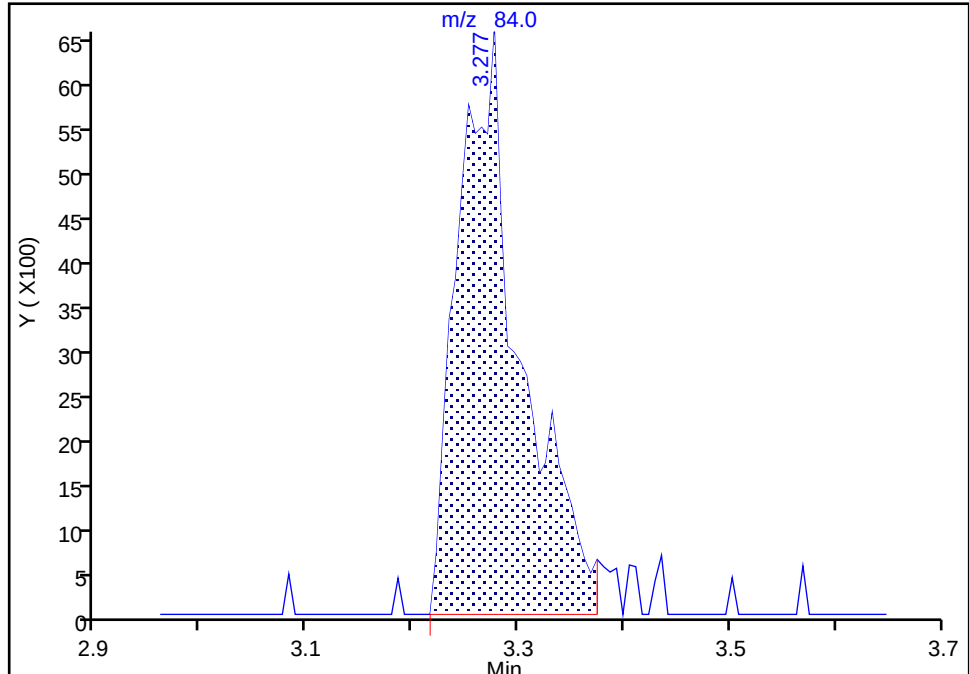
Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

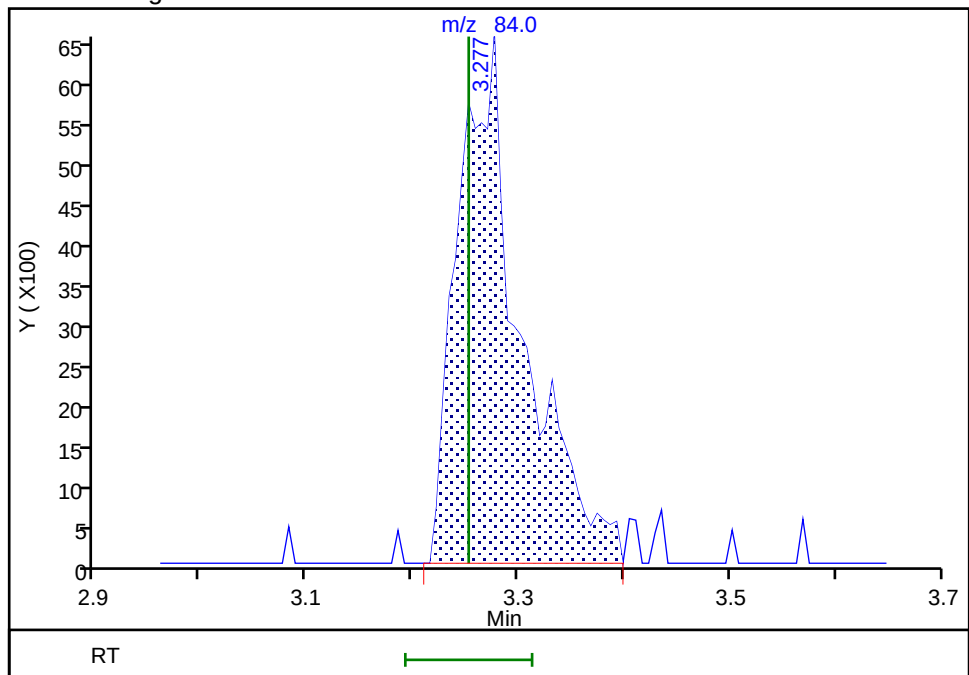
RT: 3.28
Area: 26844
Amount: 0.746640
Amount Units: ug/L

Processing Integration Results



RT: 3.28
Area: 27400
Amount: 0.766220
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:08:54

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

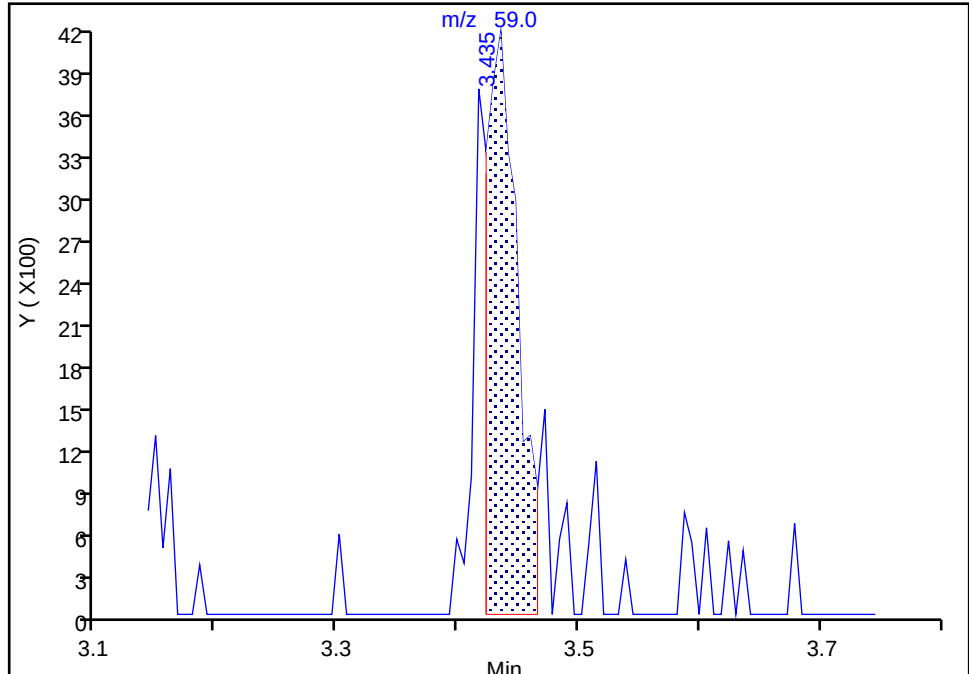
Detector: MS SCAN

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

Signal: 1

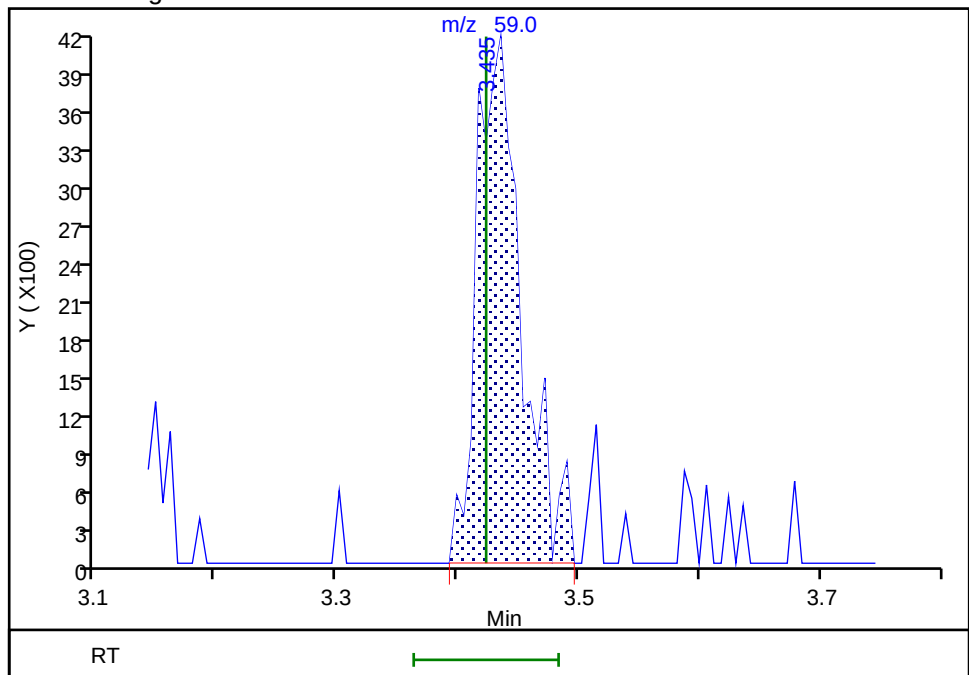
RT: 3.44
Area: 7629
Amount: 7.104469
Amount Units: ug/L

Processing Integration Results



RT: 3.44
Area: 10697
Amount: 8.362223
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:52:14

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

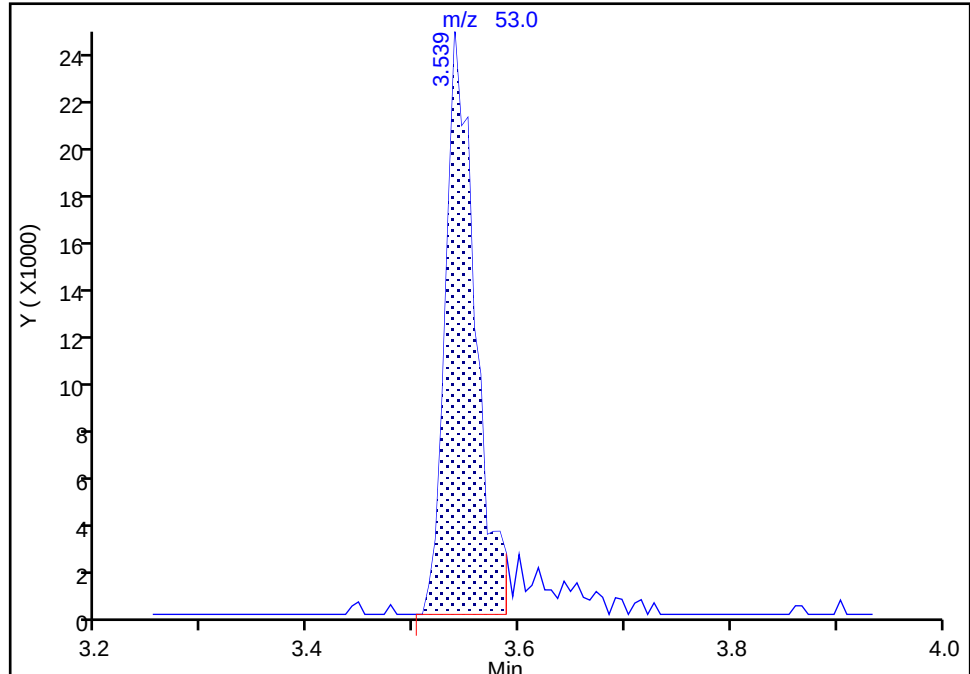
Detector: MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

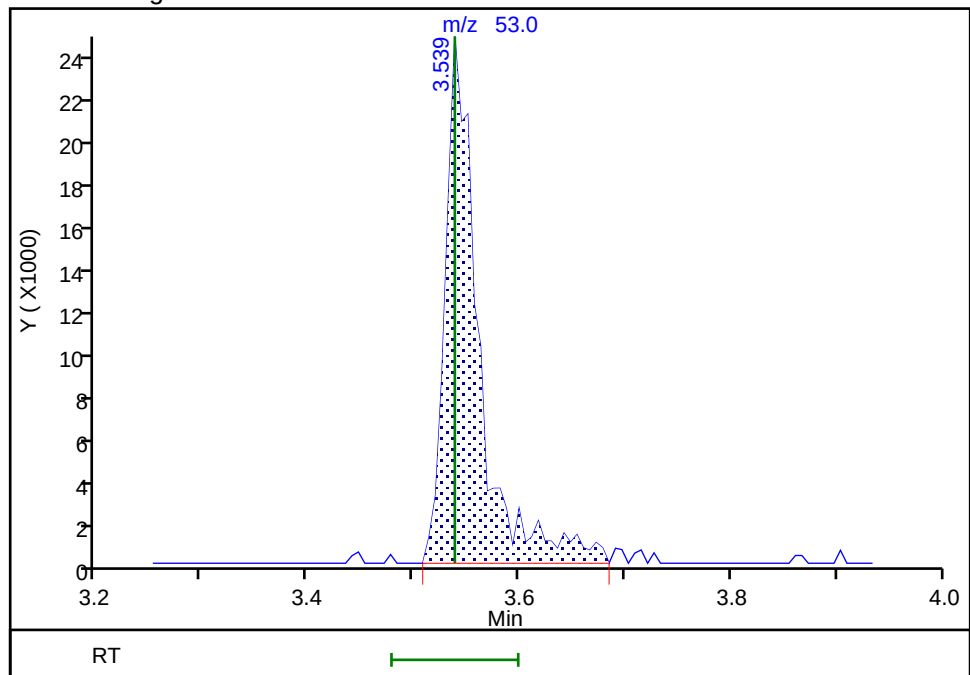
RT: 3.54
Area: 47894
Amount: 9.225375
Amount Units: ug/L

Processing Integration Results



RT: 3.54
Area: 54039
Amount: 10.257266
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:09:17

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

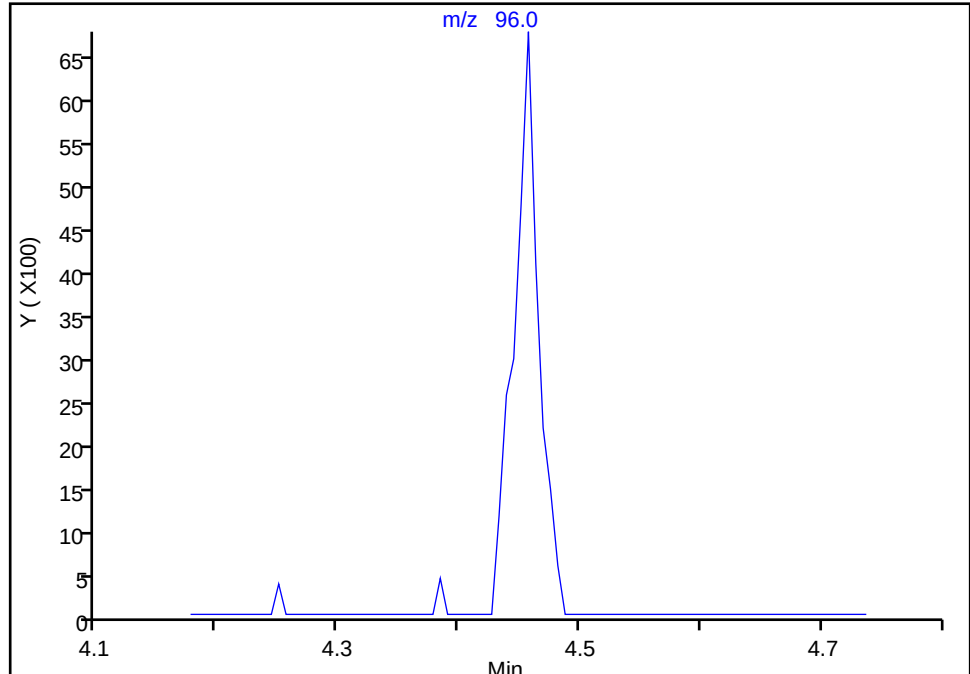
45 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

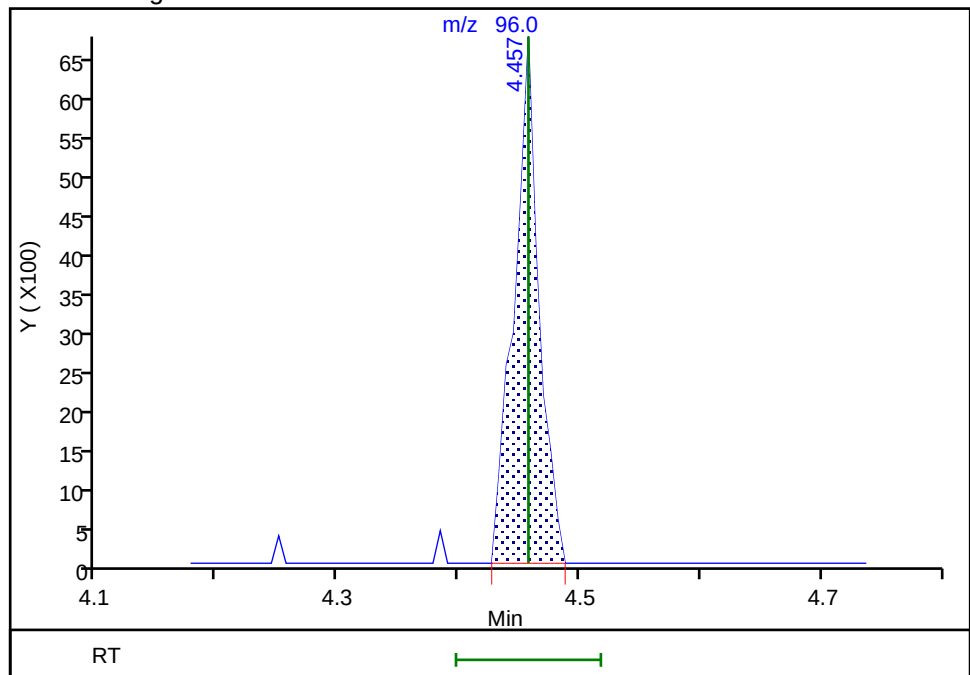
Not Detected

Expected RT: 4.46

Processing Integration Results



Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:09:29

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

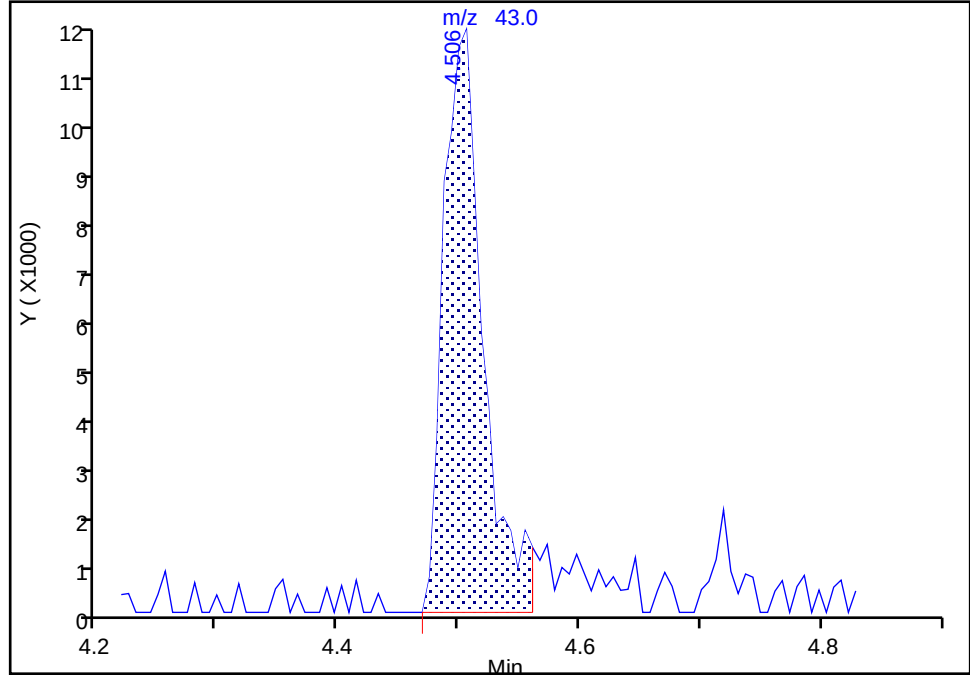
Detector: MS SCAN

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

Signal: 1

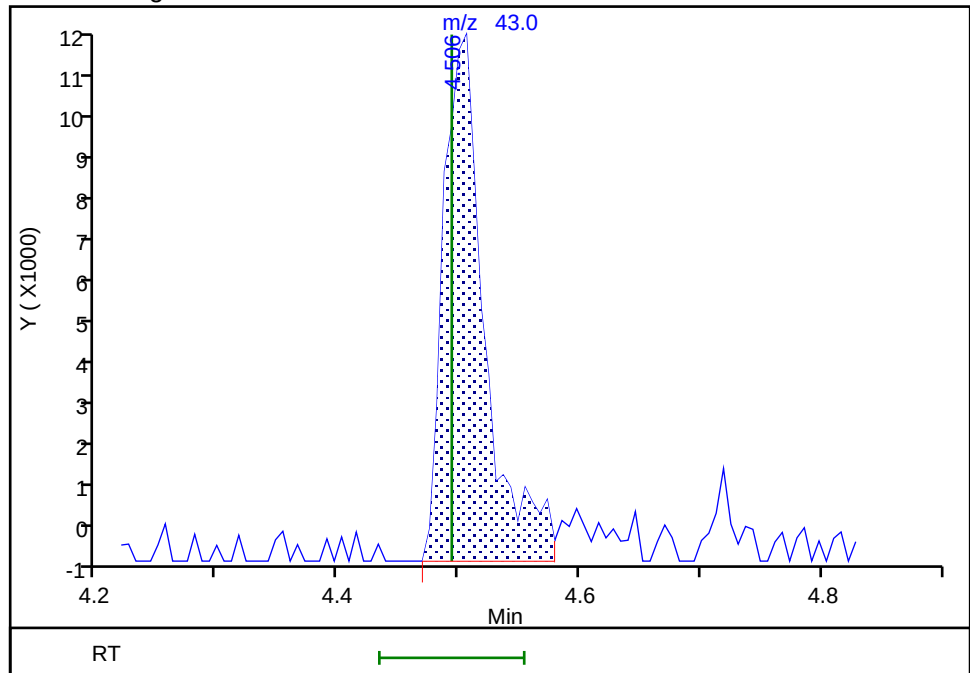
RT: 4.51
Area: 26981
Amount: 4.675650
Amount Units: ug/L

Processing Integration Results



RT: 4.51
Area: 28054
Amount: 4.839100
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:12:28

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

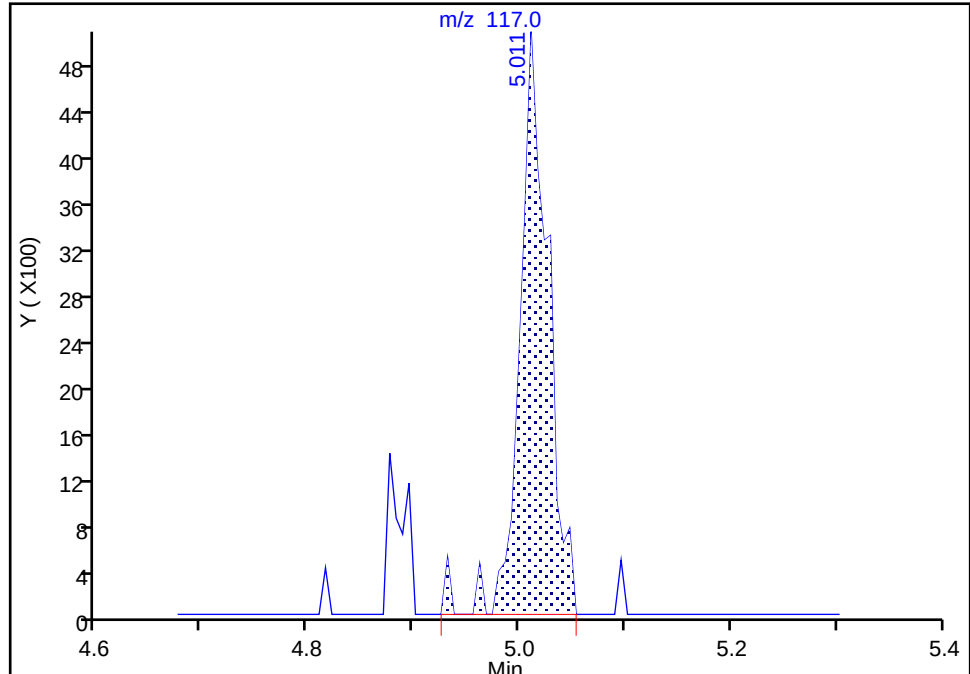
Detector: MS SCAN

55 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

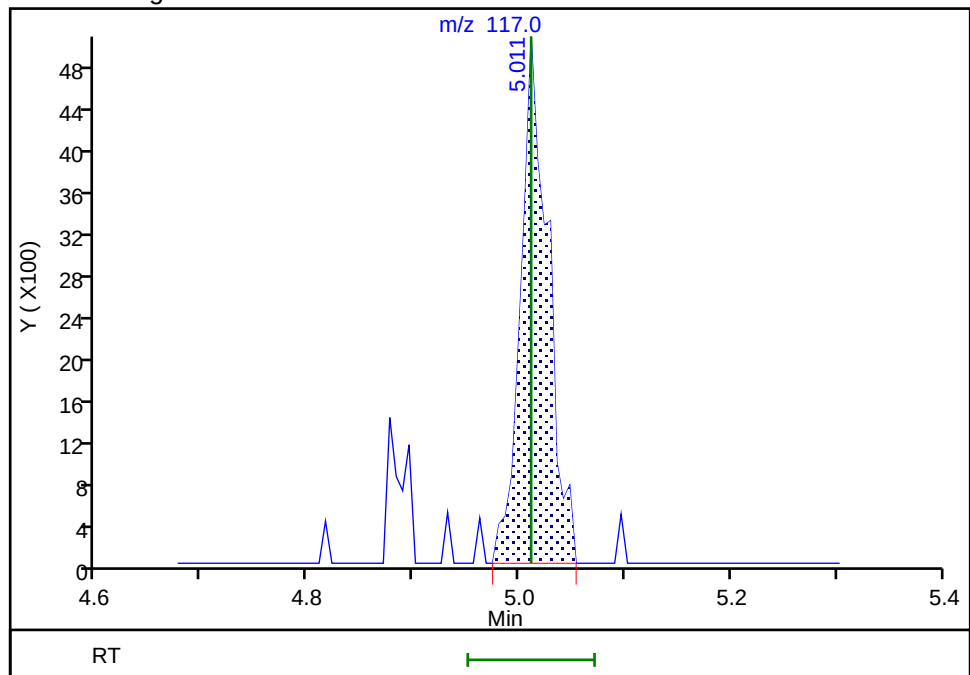
RT: 5.01
Area: 9483
Amount: 0.829824
Amount Units: ug/L

Processing Integration Results



RT: 5.01
Area: 9145
Amount: 0.803217
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:12:40

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

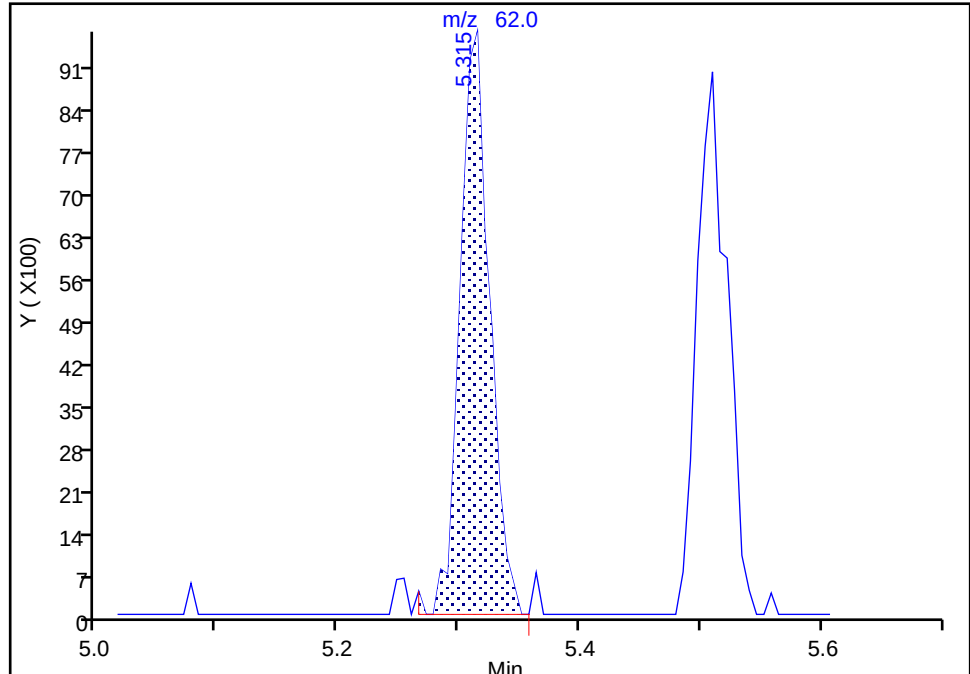
Detector: MS SCAN

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

Signal: 1

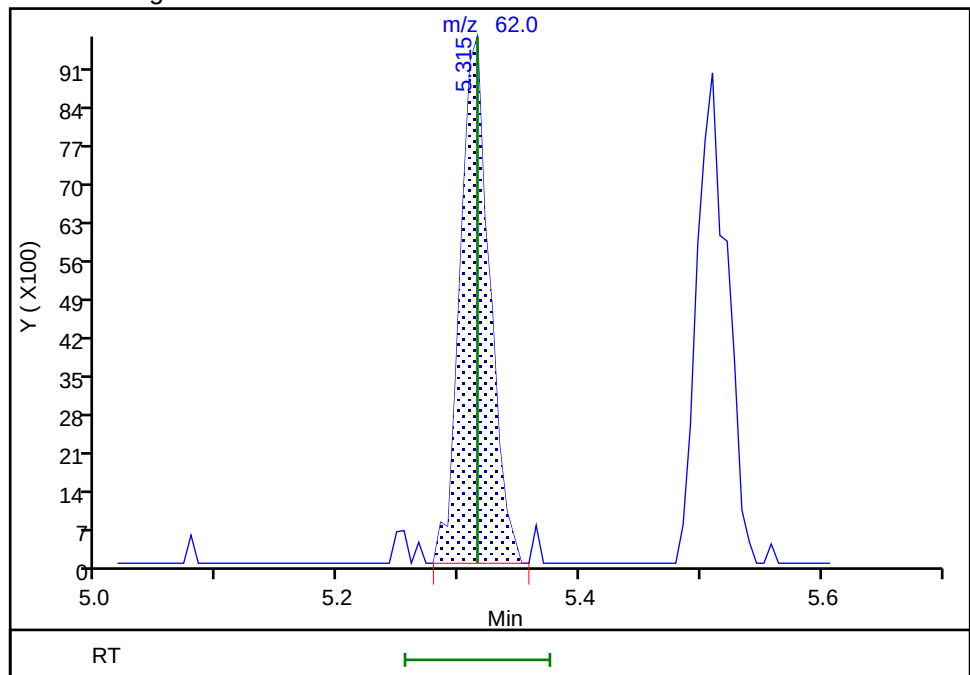
RT: 5.32
Area: 16387
Amount: 0.973266
Amount Units: ug/L

Processing Integration Results



RT: 5.32
Area: 16247
Amount: 0.965955
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:13:09

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

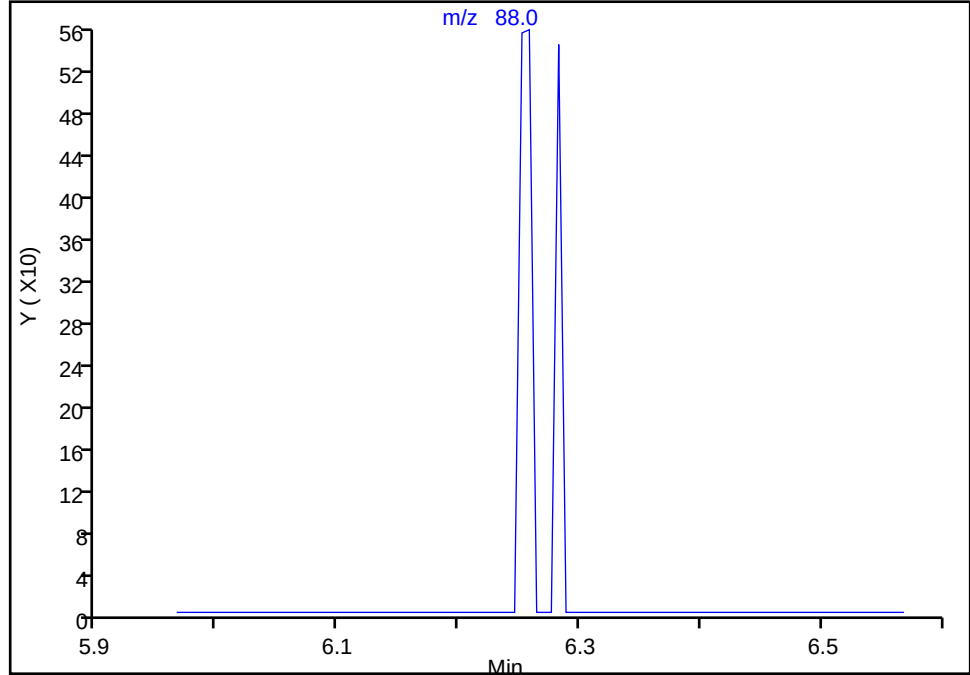
66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

Not Detected

Expected RT: 6.25

Processing Integration Results



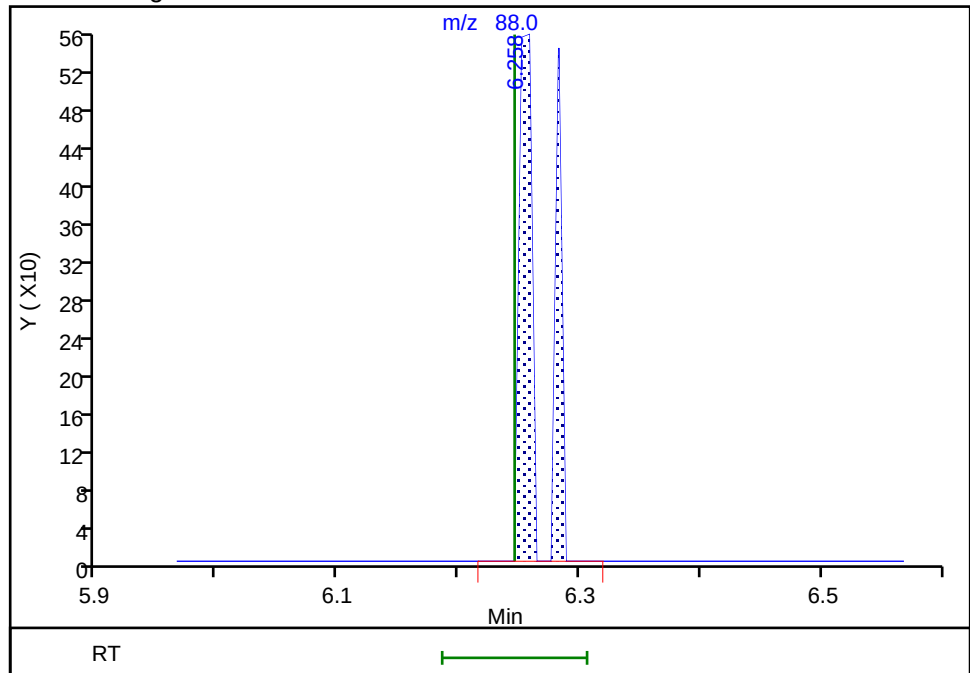
RT: 6.26

Area: 597

Amount: 20.073889

Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:13:31

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

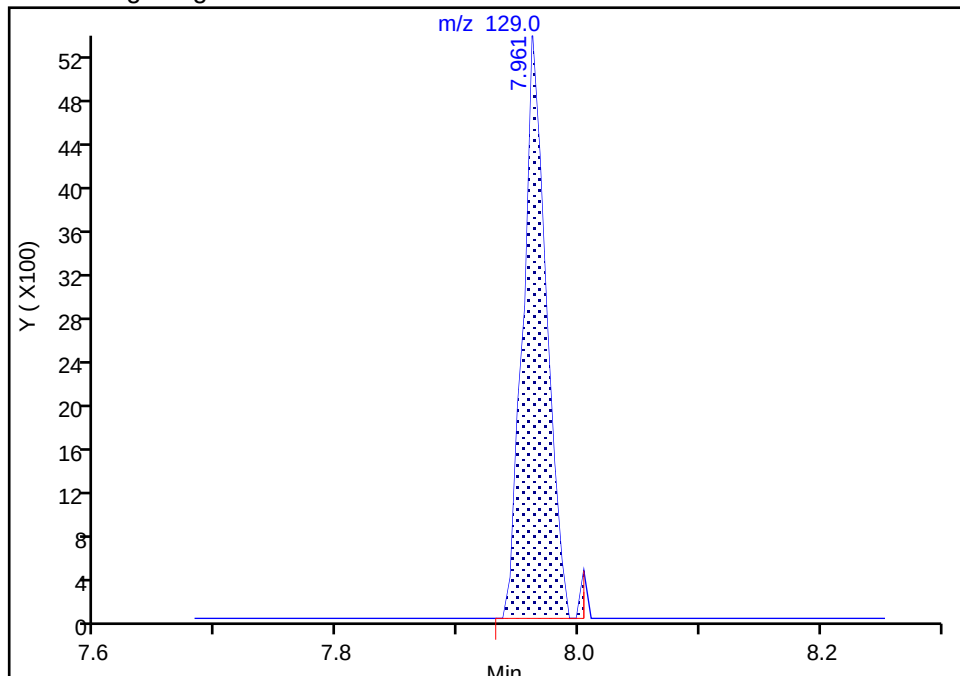
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D
Injection Date: 20-Jun-2018 14:14:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH/ZV ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

83 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

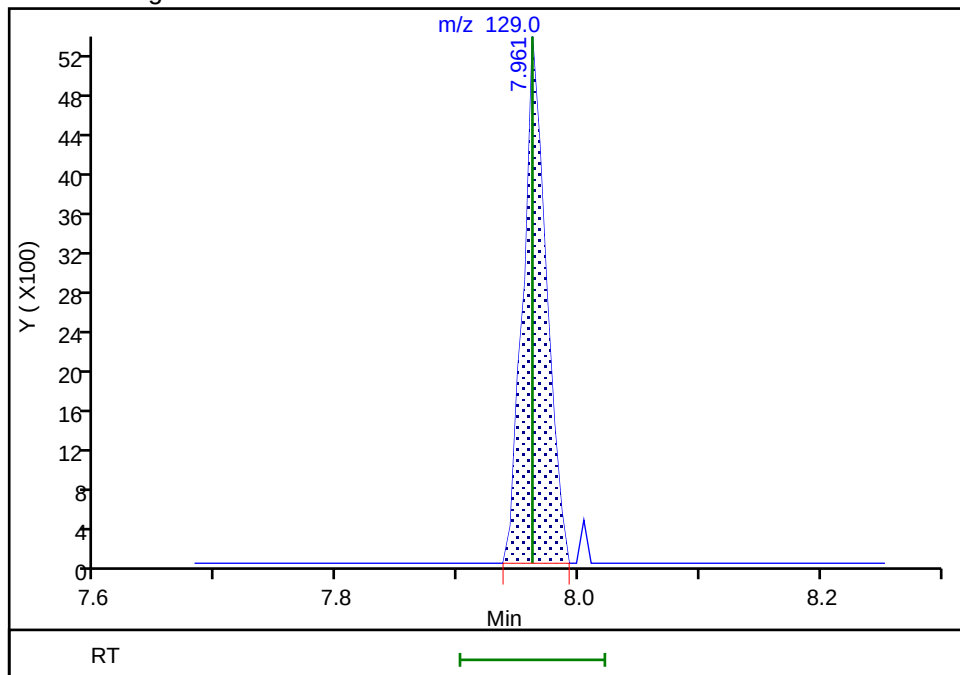
RT: 7.96
Area: 7317
Amount: 0.828185
Amount Units: ug/L

Processing Integration Results



RT: 7.96
Area: 7156
Amount: 0.811811
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:14:35

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

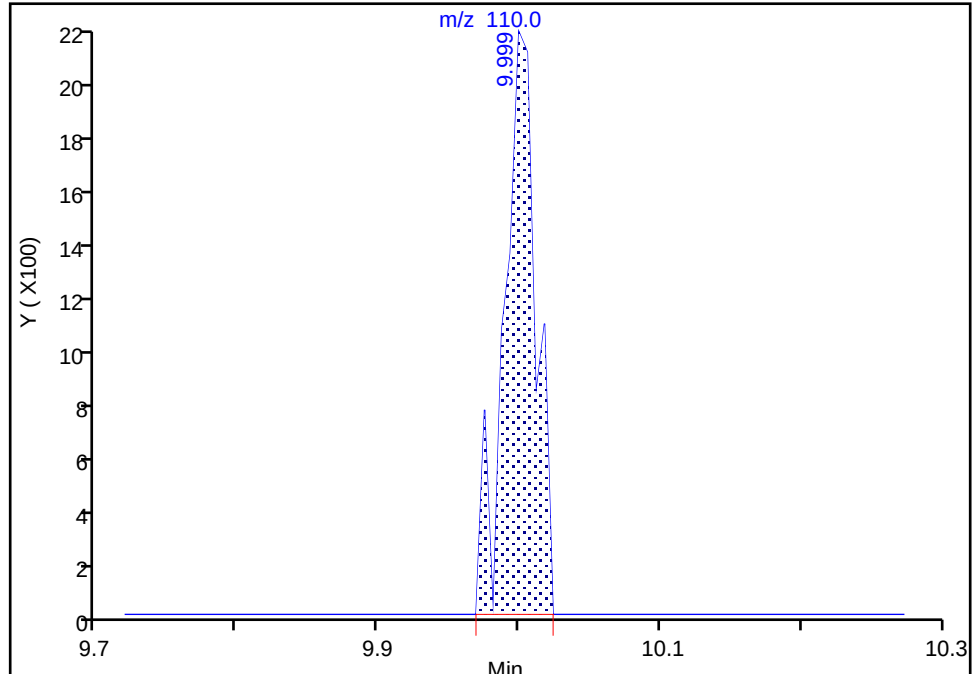
Detector: MS SCAN

100 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

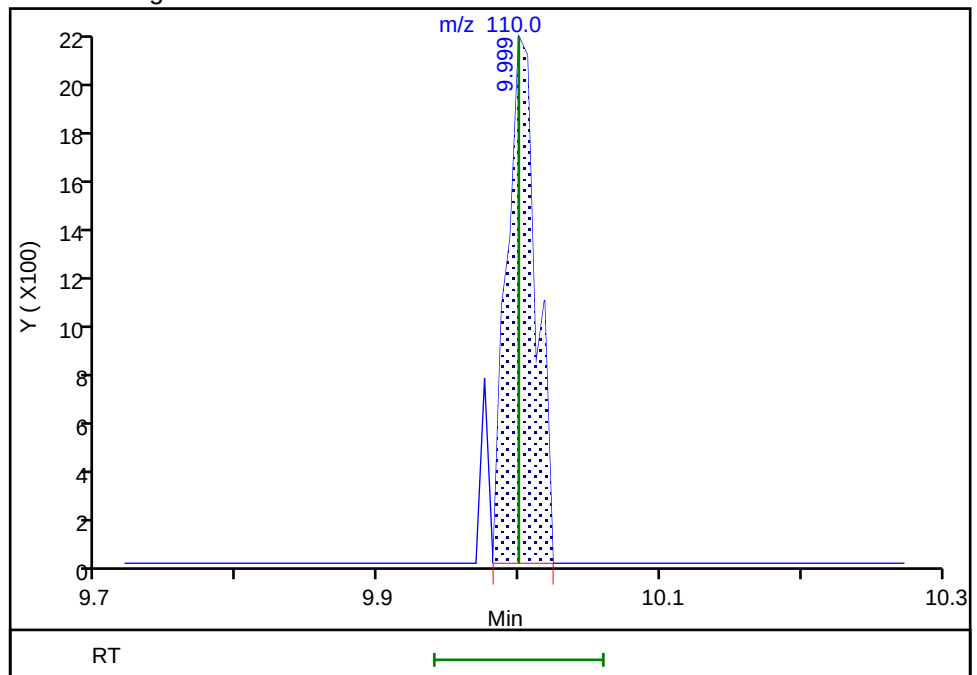
RT: 10.00
Area: 3397
Amount: 0.806128
Amount Units: ug/L

Processing Integration Results



RT: 10.00
Area: 3120
Amount: 0.746528
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:15:00

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

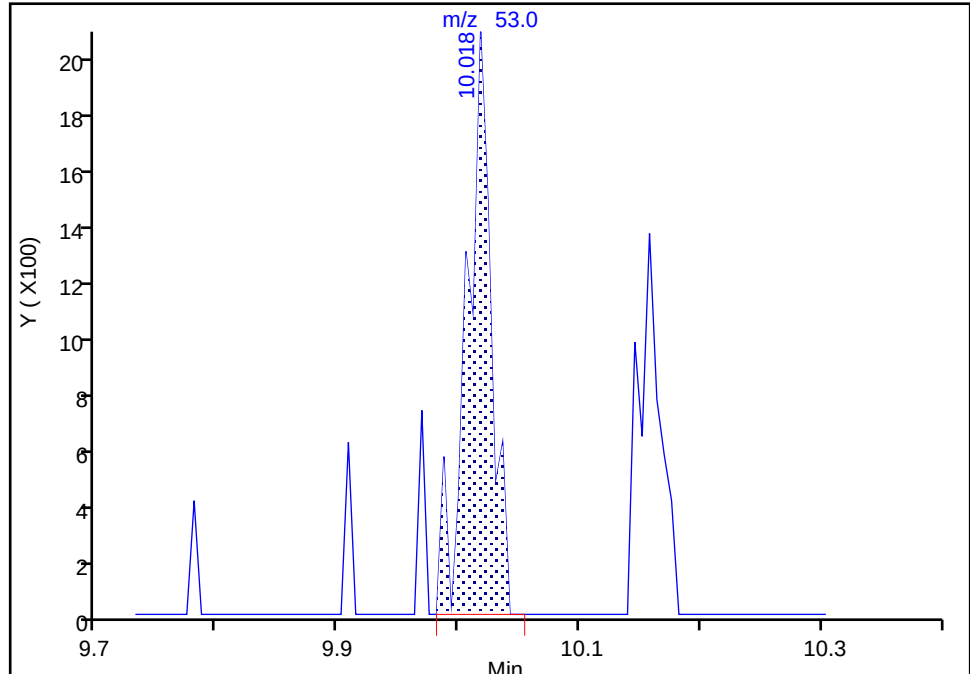
MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

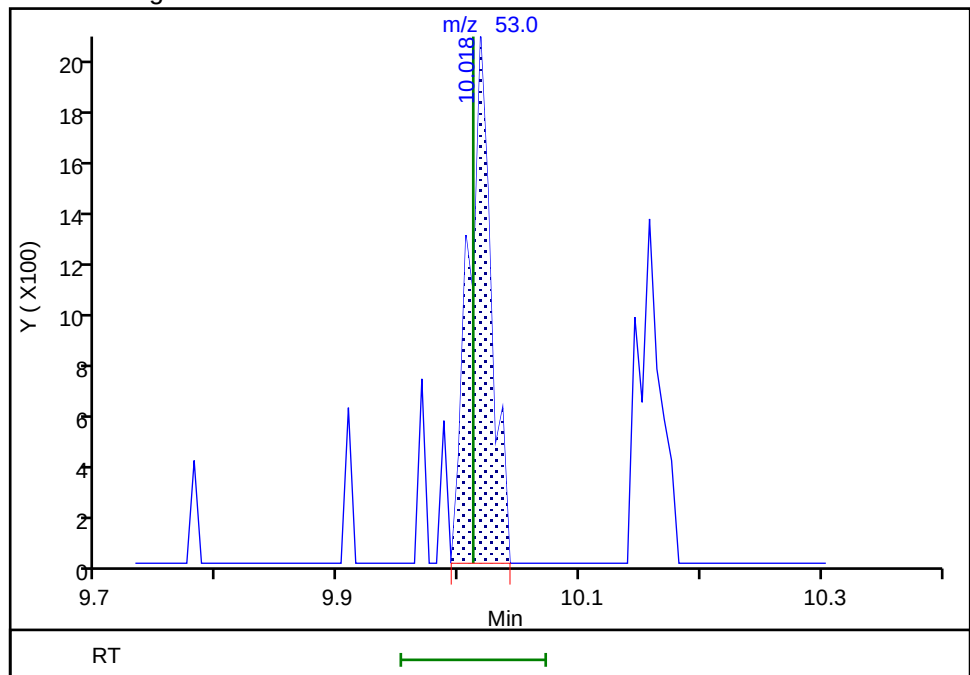
RT: 10.02
Area: 2886
Amount: 1.070549
Amount Units: ug/L

Processing Integration Results



RT: 10.02
Area: 2682
Amount: 1.162748
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:15:10

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

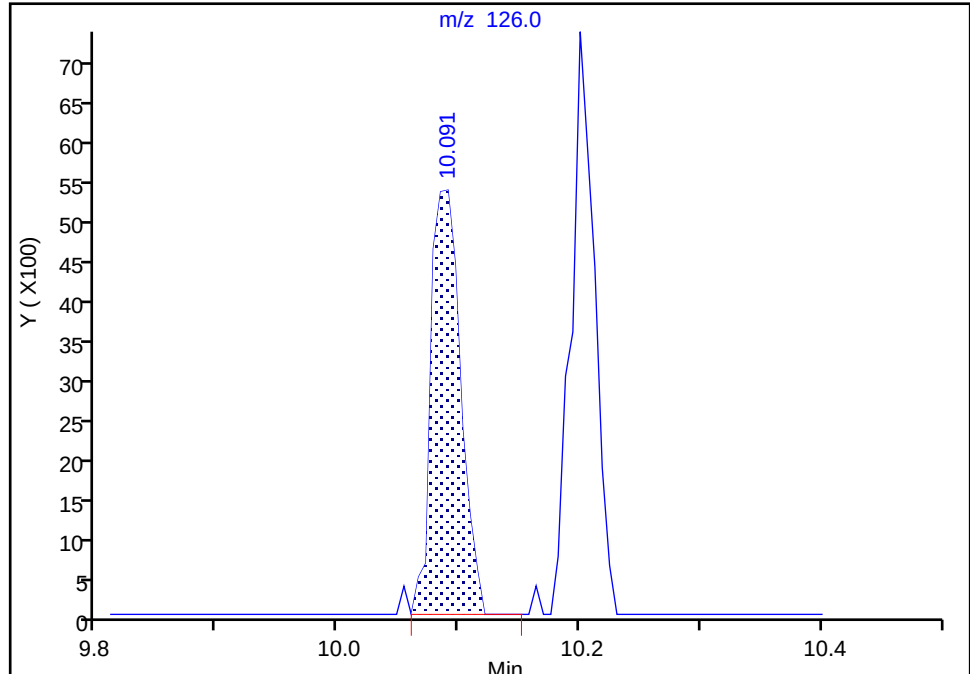
Detector: MS SCAN

103 2-Chlorotoluene, CAS: 95-49-8

Signal: 1

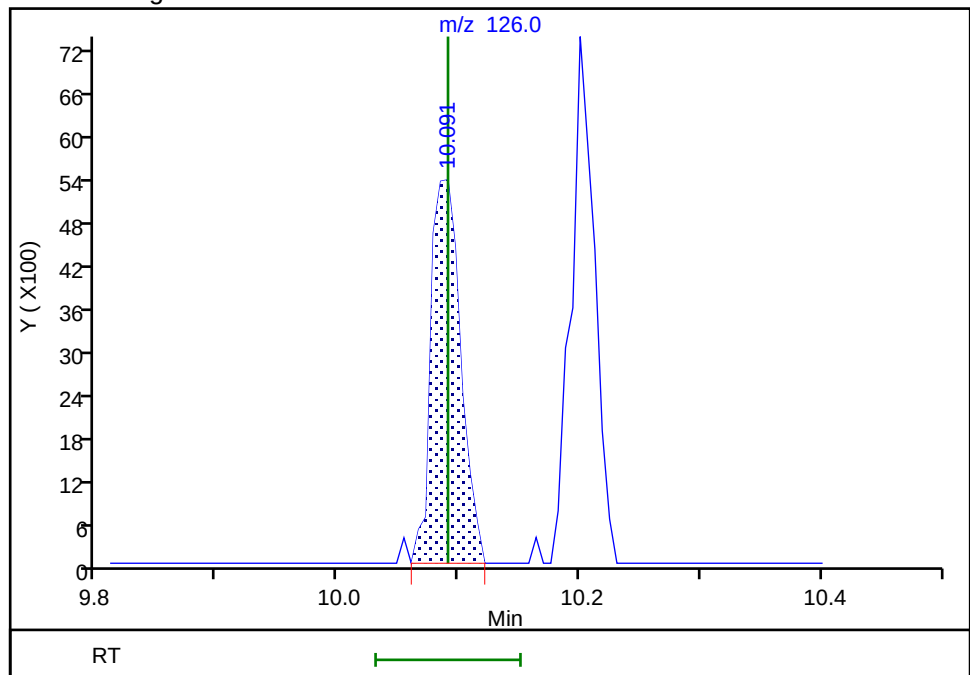
RT: 10.09
Area: 9082
Amount: 0.778951
Amount Units: ug/L

Processing Integration Results



RT: 10.09
Area: 9082
Amount: 0.778951
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:15:16

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2507.D

Injection Date: 20-Jun-2018 14:14:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

4

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

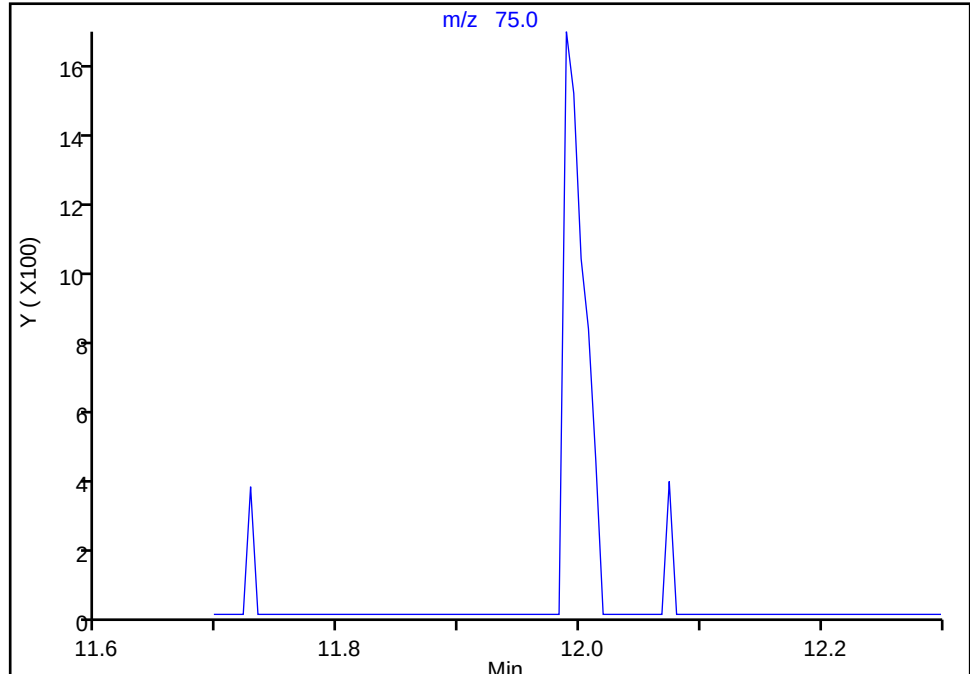
117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

Not Detected

Expected RT: 11.99

Processing Integration Results



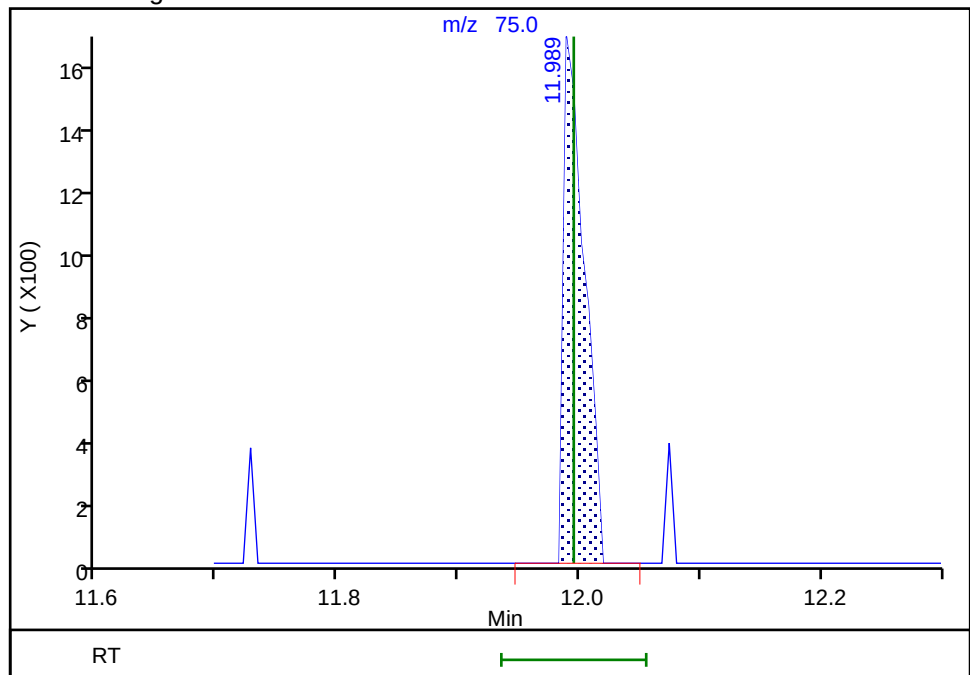
RT: 11.99

Area: 1954

Amount: 0.793195

Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 20:52:06

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 20-Jun-2018 14:38:30 ALS Bottle#: 5 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0072482-007
 Operator ID: LH/ZV Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Jun-2018 14:25:46 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: nowakk

Date: 20-Jun-2018 19:33:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	202958	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	88	394355	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	95	373516	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.926	4.926	0.000	55	237036	25.0	24.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	0	153545	25.0	24.1	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	91	987838	25.0	25.7	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	89	296734	25.0	25.2	
10 Dichlorodifluoromethane	85	1.276	1.282	-0.006	48	15348	2.00	1.57	
12 Chloromethane	50	1.464	1.464	0.000	69	31418	2.00	2.02	
13 Vinyl chloride	62	1.555	1.549	0.006	74	26352	2.00	1.91	
151 Butadiene	54	1.580	1.574	0.006	79	27634	2.00	1.92	
14 Bromomethane	94	1.872	1.872	0.000	76	13102	2.00	1.77	M
15 Chloroethane	64	1.981	1.969	0.012	40	15522	2.00	1.86	M
17 Trichlorofluoromethane	101	2.200	2.194	0.006	61	24492	2.00	1.87	M
16 Dichlorofluoromethane	67	2.206	2.194	0.012	58	32362	2.00	1.77	M
18 Ethyl ether	59	2.498	2.492	0.006	75	22137	2.00	1.90	
20 Acrolein	56	2.687	2.687	0.000	77	19651	10.0	8.82	
21 1,1,2-Trichloro-1,2,2-trif	101	2.699	2.705	-0.006	12	12129	2.00	1.88	M
22 1,1-Dichloroethene	96	2.717	2.730	-0.013	67	18776	2.00	2.09	M
23 Acetone	43	2.851	2.851	0.000	92	45897	10.0	11.8	M
25 Iodomethane	142	2.900	2.894	0.006	83	23539	2.00	1.80	M
26 Carbon disulfide	76	2.918	2.918	0.000	91	56275	2.00	1.97	
28 3-Chloro-1-propene	41	3.095	3.089	0.007	85	34229	2.00	1.97	
27 Methyl acetate	43	3.149	3.143	0.006	88	47623	4.00	4.65	
30 Methylene Chloride	84	3.253	3.253	0.000	87	42609	2.00	2.06	M
31 2-Methyl-2-propanol	59	3.429	3.423	0.006	89	23908	20.0	18.1	M
32 Methyl tert-butyl ether	73	3.454	3.454	0.000	85	67897	2.00	2.02	
34 trans-1,2-Dichloroethene	96	3.466	3.472	-0.006	85	21095	2.00	2.06	
33 Acrylonitrile	53	3.545	3.539	0.006	98	110281	20.0	20.2	
35 Hexane	57	3.666	3.660	0.006	81	34429	2.00	1.82	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.904	3.892	0.012	75	44053	2.00	2.04	
37 Vinyl acetate	43	3.952	3.952	0.000	93	101560	4.00	4.08	
44 2,2-Dichloropropane	77	4.415	4.415	0.000	73	23960	2.00	2.00	
45 cis-1,2-Dichloroethene	96	4.463	4.457	0.006	70	22561	2.00	1.91	
43 2-Butanone (MEK)	43	4.500	4.494	0.006	91	58111	10.0	9.69	
48 Chlorobromomethane	128	4.695	4.695	0.000	79	11538	2.00	2.05	
49 Tetrahydrofuran	42	4.713	4.713	0.000	84	15949	4.00	3.87	
50 Chloroform	83	4.768	4.774	-0.006	84	38075	2.00	2.02	
51 1,1,1-Trichloroethane	97	4.871	4.877	-0.006	62	26672	2.00	1.90	
52 Cyclohexane	56	4.877	4.883	-0.006	83	35177	2.00	1.86	
55 Carbon tetrachloride	117	5.011	5.011	0.000	63	24702	2.00	2.10	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	86	30749	2.00	2.15	
57 Benzene	78	5.236	5.236	0.000	53	85767	2.00	1.99	
53 Isobutyl alcohol	43	5.266	5.266	0.000	63	28420	50.0	51.0	
58 1,2-Dichloroethane	62	5.315	5.315	0.000	56	36030	2.00	2.07	
59 n-Heptane	43	5.406	5.412	-0.006	92	34128	2.00	1.94	M
62 Trichloroethene	95	5.850	5.850	0.000	83	22060	2.00	1.99	
64 Methylcyclohexane	83	5.966	5.960	0.006	87	31597	2.00	1.87	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	84	26992	2.00	2.08	
67 Dibromomethane	93	6.234	6.234	0.000	77	12583	2.00	1.86	
66 1,4-Dioxane	88	6.240	6.246	-0.006	24	2267	40.0	38.6	M
68 Dichlorobromomethane	83	6.386	6.386	0.000	80	23598	2.00	1.81	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	75	15014	2.00	1.73	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	71	30883	2.00	1.88	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	94	137972	10.0	11.0	
74 Toluene	92	7.092	7.085	0.007	74	54960	2.00	2.10	
77 trans-1,3-Dichloropropene	75	7.377	7.377	0.000	86	28095	2.00	1.95	
75 Ethyl methacrylate	69	7.420	7.414	0.006	58	28412	2.00	2.01	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	82	17708	2.00	2.24	
81 Tetrachloroethene	166	7.621	7.615	0.006	83	22036	2.00	1.99	
82 1,3-Dichloropropane	76	7.724	7.730	-0.006	84	35902	2.00	2.16	
80 2-Hexanone	43	7.797	7.791	0.006	77	98893	10.0	10.7	
83 Chlorodibromomethane	129	7.961	7.961	0.000	66	18127	2.00	2.02	
84 Ethylene Dibromide	107	8.065	8.071	-0.006	76	19979	2.00	2.01	
87 Chlorobenzene	112	8.539	8.539	0.000	86	60005	2.00	2.09	
88 Ethylbenzene	91	8.631	8.631	0.000	95	101499	2.00	2.15	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.643	0.000	43	19212	2.00	2.07	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	0	39460	2.00	2.05	
91 o-Xylene	106	9.178	9.178	0.000	94	38904	2.00	2.13	
92 Styrene	104	9.209	9.209	0.000	89	64472	2.00	2.06	
95 Bromoform	173	9.470	9.464	0.006	64	9957	2.00	1.74	
94 Isopropylbenzene	105	9.555	9.561	-0.006	89	97764	2.00	2.08	
101 Bromobenzene	156	9.908	9.908	0.000	88	23921	2.00	2.01	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	59	25318	2.00	1.98	
99 N-Propylbenzene	91	9.987	9.987	0.000	97	112308	2.00	2.06	
100 1,2,3-Trichloropropane	110	10.006	9.999	0.007	65	7744	2.00	1.84	
98 trans-1,4-Dichloro-2-buten	53	10.018	10.012	0.006	45	6261	2.00	1.92	
103 2-Chlorotoluene	126	10.091	10.091	0.000	92	23261	2.00	1.98	
102 1,3,5-Trimethylbenzene	105	10.158	10.164	-0.006	86	82695	2.00	2.02	
105 4-Chlorotoluene	126	10.200	10.200	0.000	79	26092	2.00	2.17	
106 tert-Butylbenzene	134	10.480	10.474	0.006	84	17151	2.00	1.97	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	69	85998	2.00	2.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.681	10.687	-0.006	88	101392	2.00	2.07	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	69	48178	2.00	2.08	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	93	85693	2.00	2.03	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	53	49506	2.00	2.10	
115 n-Butylbenzene	91	11.210	11.210	0.000	90	80619	2.00	2.12	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	89	46309	2.00	2.03	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	34	4266	2.00	1.72	
119 1,2,4-Trichlorobenzene	180	12.658	12.664	-0.006	71	35174	2.00	2.17	
120 Hexachlorobutadiene	225	12.774	12.767	0.007	68	15718	2.00	2.03	
121 Naphthalene	128	12.883	12.877	0.006	93	89284	2.00	2.02	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	86	28319	2.00	1.89	
S 123 Total BTEX	1				0			10.4	
S 125 1,2-Dichloroethene, Total	1				0			3.97	
S 124 Xylenes, Total	1				0			4.19	
S 126 1,3-Dichloropropene, Total	1				0			3.83	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 2.00

Units: uL

GAS CORP mix_00287

Amount Added: 2.00

Units: uL

S_8260_IS_00293

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00274

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180620-72482.b\\S2508.D

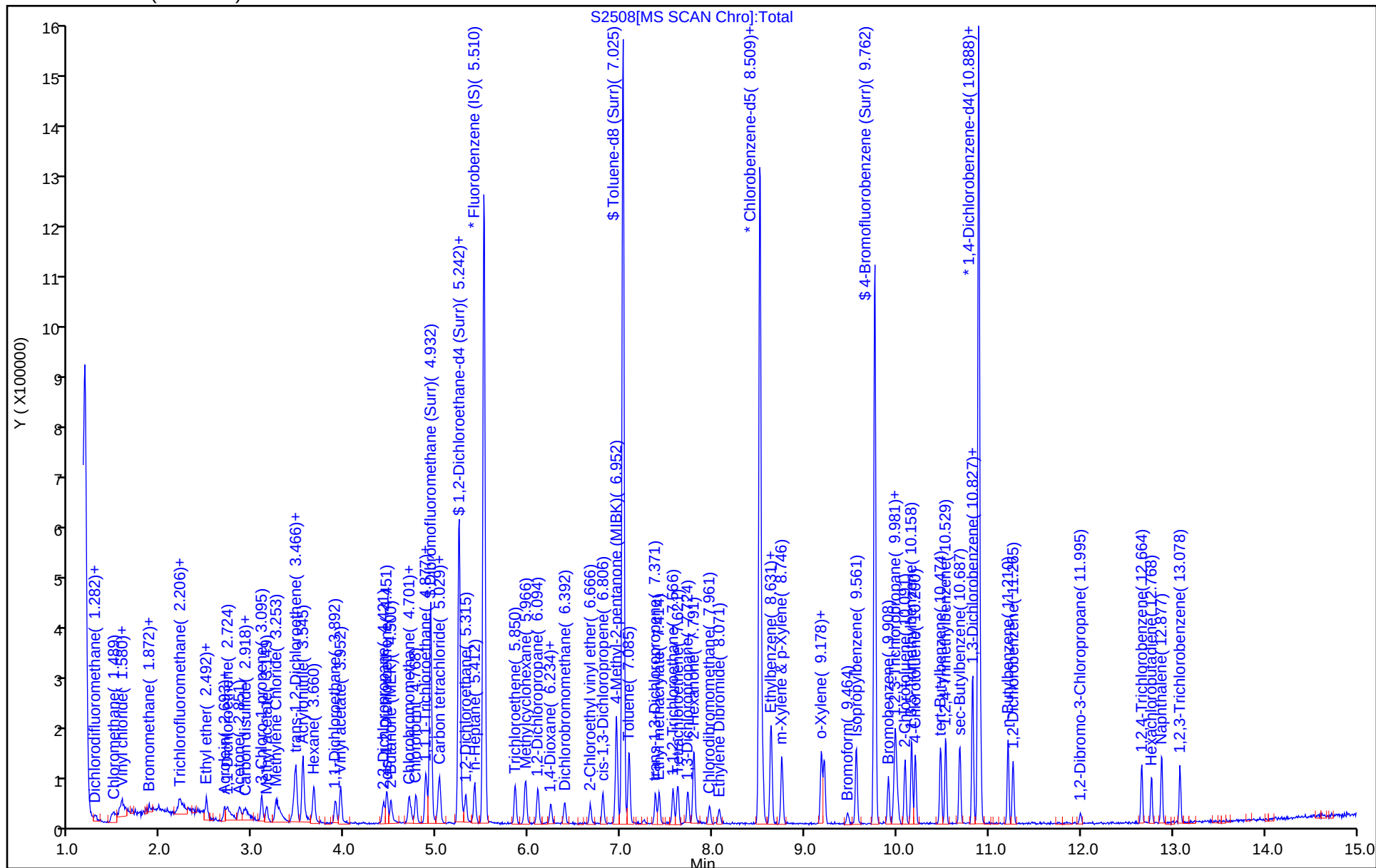
Operator ID: LH/ZV

Worklist Smp#: 7

ALS Bottle#: 5

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

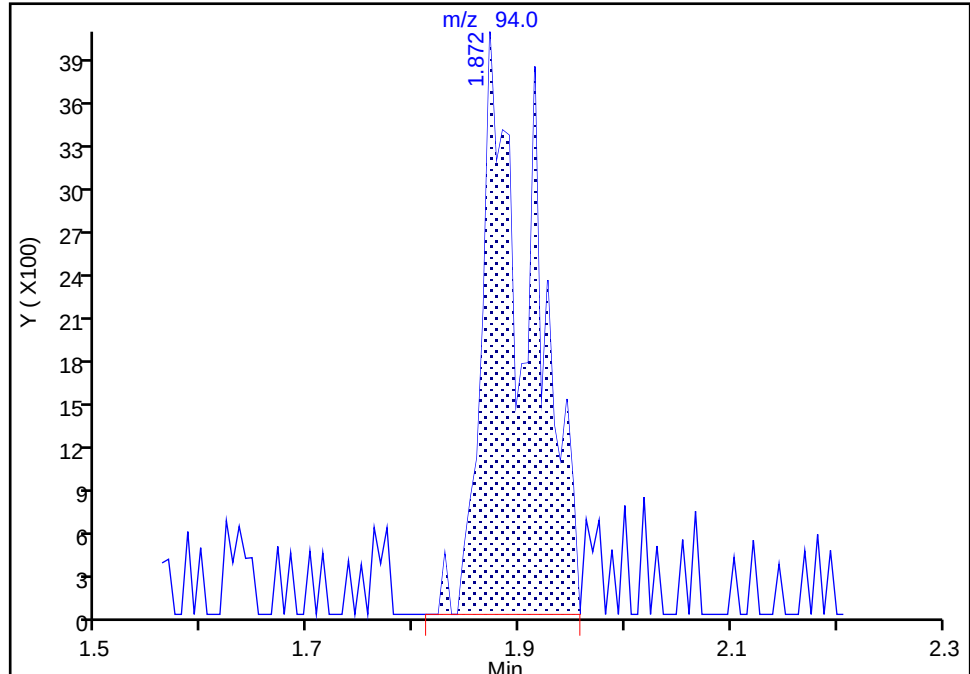
Detector: MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

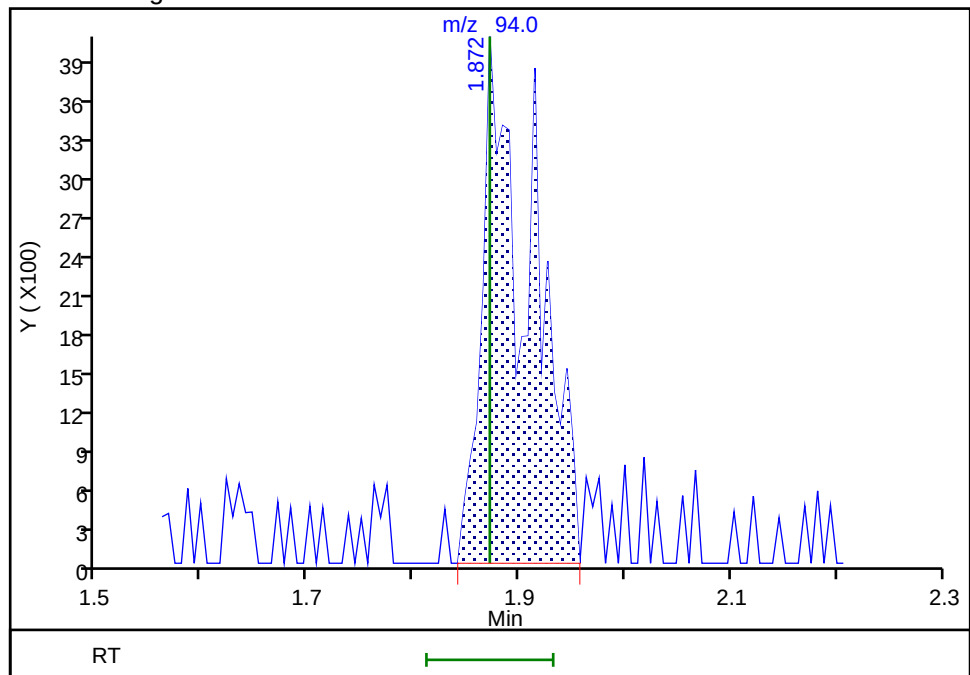
RT: 1.87
Area: 13255
Amount: 1.789184
Amount Units: ug/L

Processing Integration Results



RT: 1.87
Area: 13102
Amount: 1.770817
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:16:25

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

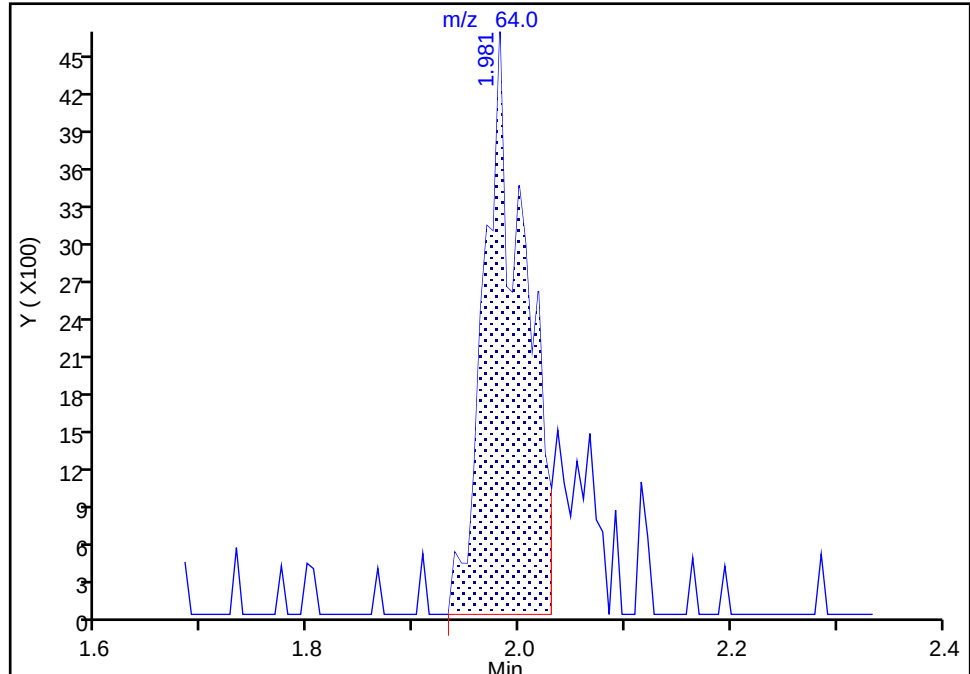
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D
Injection Date: 20-Jun-2018 14:38:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH/ZV ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

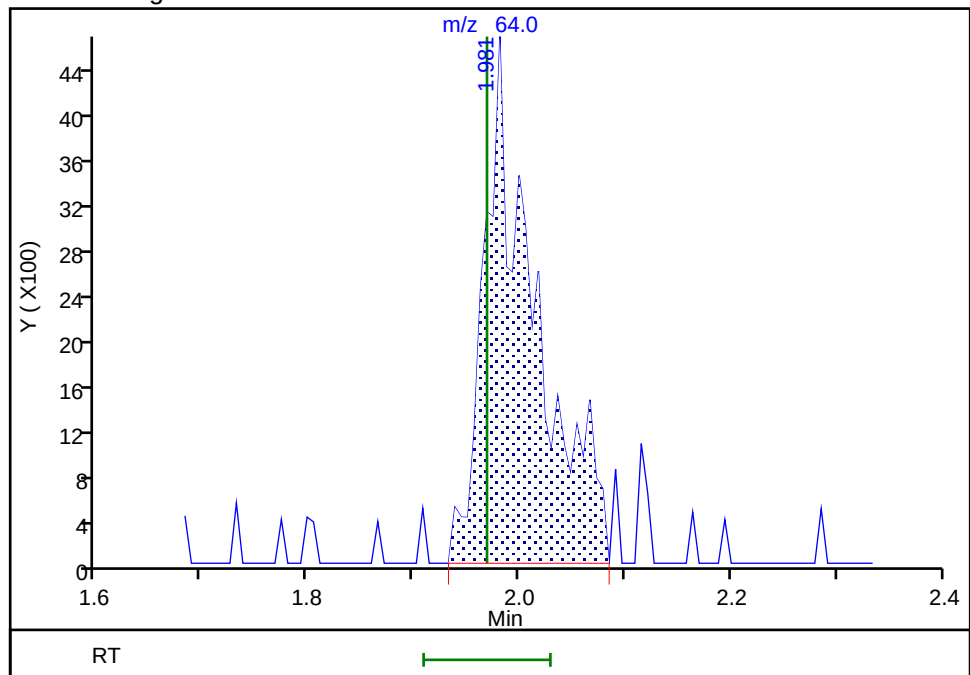
RT: 1.98
Area: 12491
Amount: 1.531681
Amount Units: ug/L

Processing Integration Results



RT: 1.98
Area: 15522
Amount: 1.857410
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 22:47:42

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

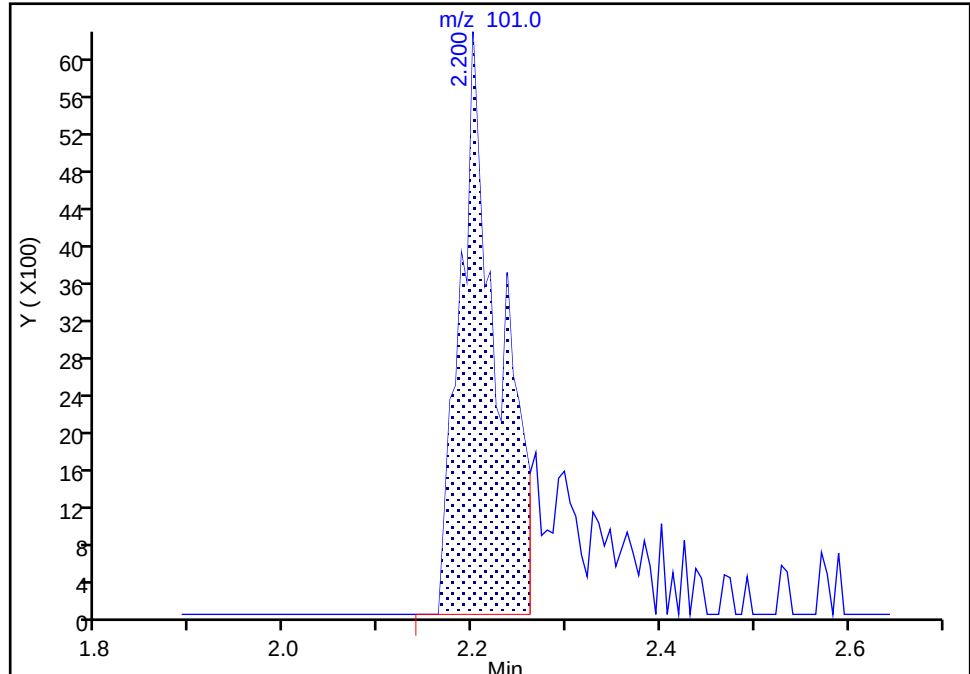
Detector: MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

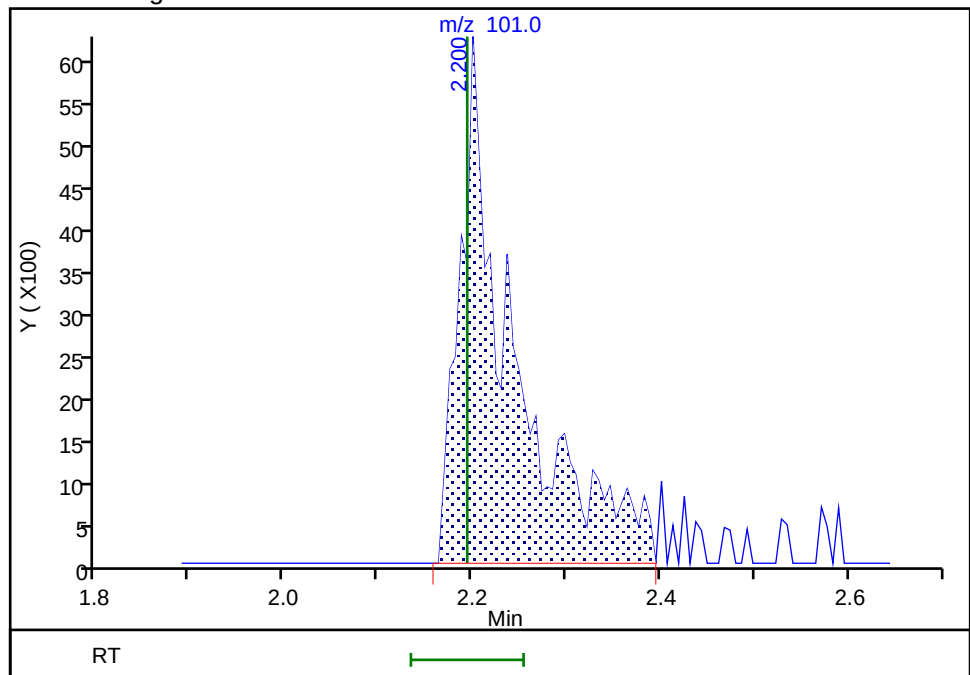
RT: 2.20
Area: 17555
Amount: 1.517755
Amount Units: ug/L

Processing Integration Results



RT: 2.20
Area: 24492
Amount: 1.872069
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 22:48:16

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

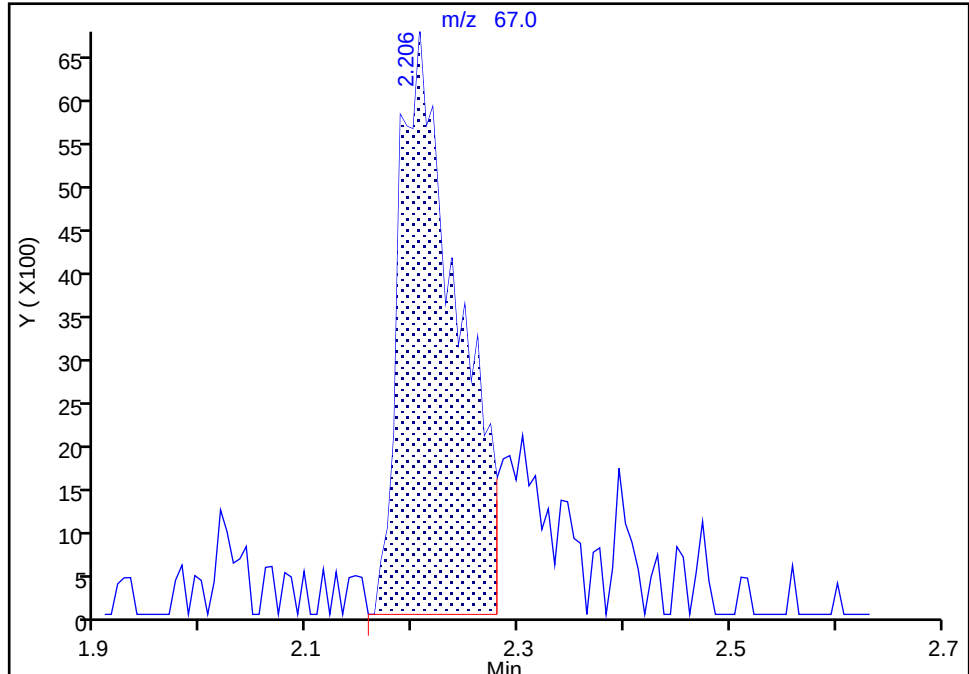
Detector: MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

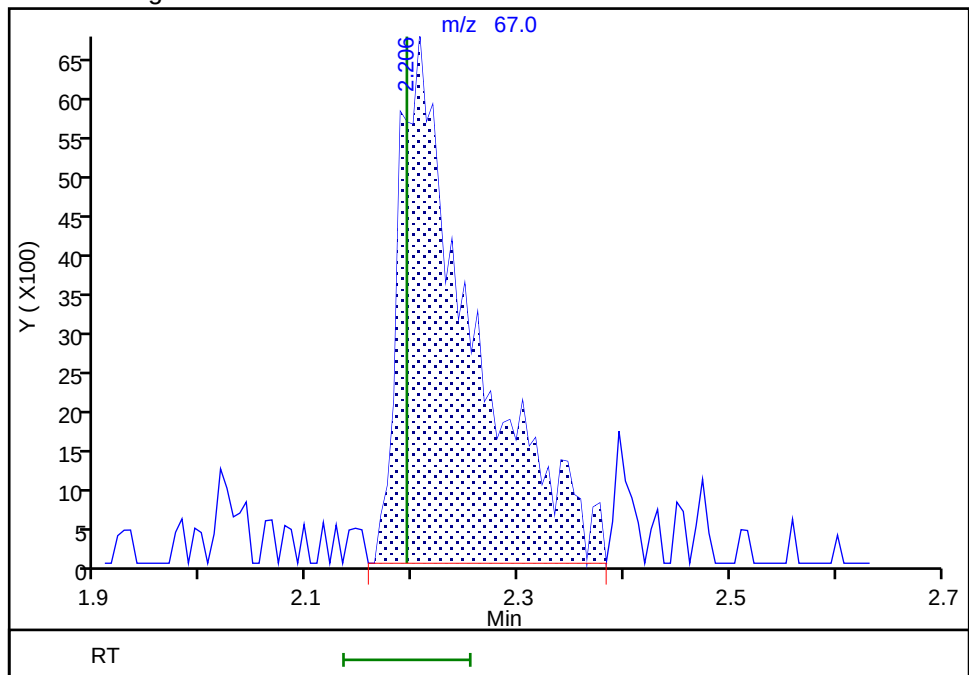
RT: 2.21
Area: 25443
Amount: 1.492939
Amount Units: ug/L

Processing Integration Results



RT: 2.21
Area: 32362
Amount: 1.767578
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 22:48:39

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

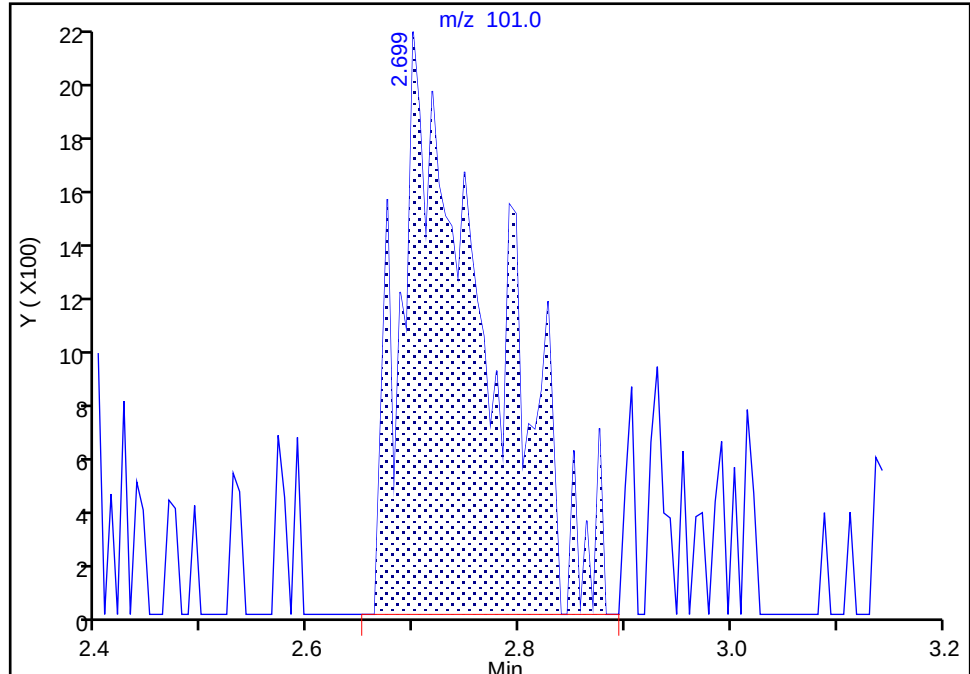
Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

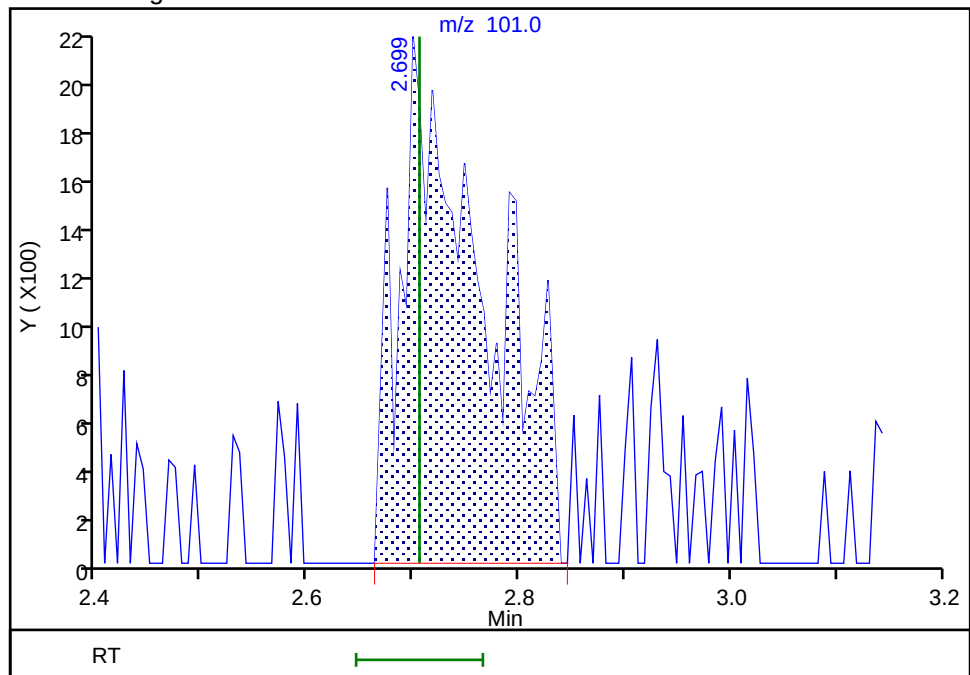
RT: 2.70
Area: 12735
Amount: 2.086698
Amount Units: ug/L

Processing Integration Results



RT: 2.70
Area: 12129
Amount: 1.875033
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:16:41

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

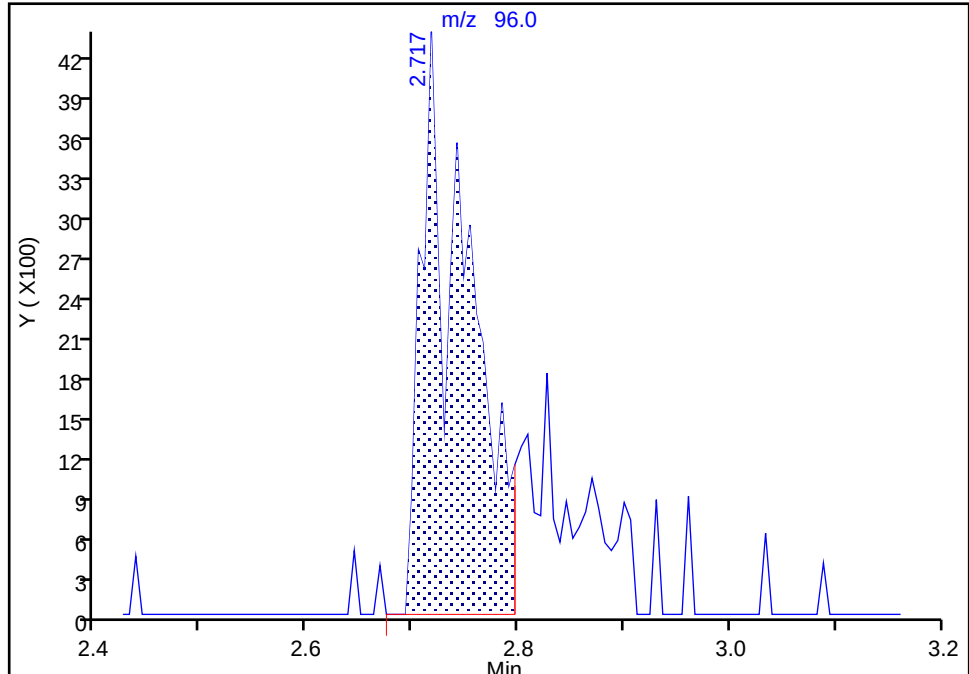
Detector: MS SCAN

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

Signal: 1

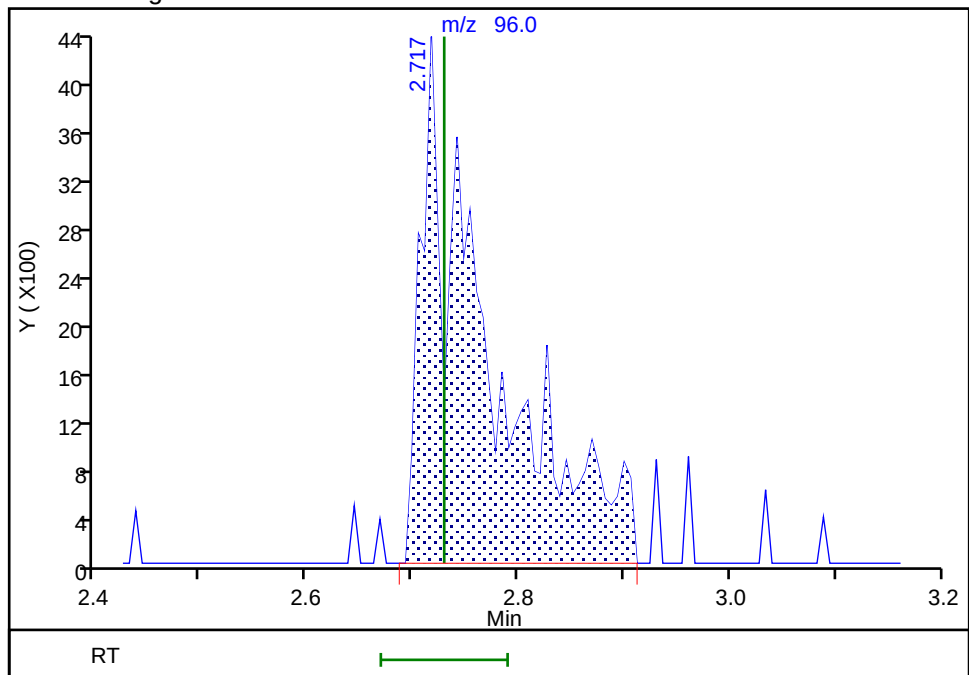
RT: 2.72
Area: 13311
Amount: 1.727229
Amount Units: ug/L

Processing Integration Results



RT: 2.72
Area: 18776
Amount: 2.094349
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:16:54

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

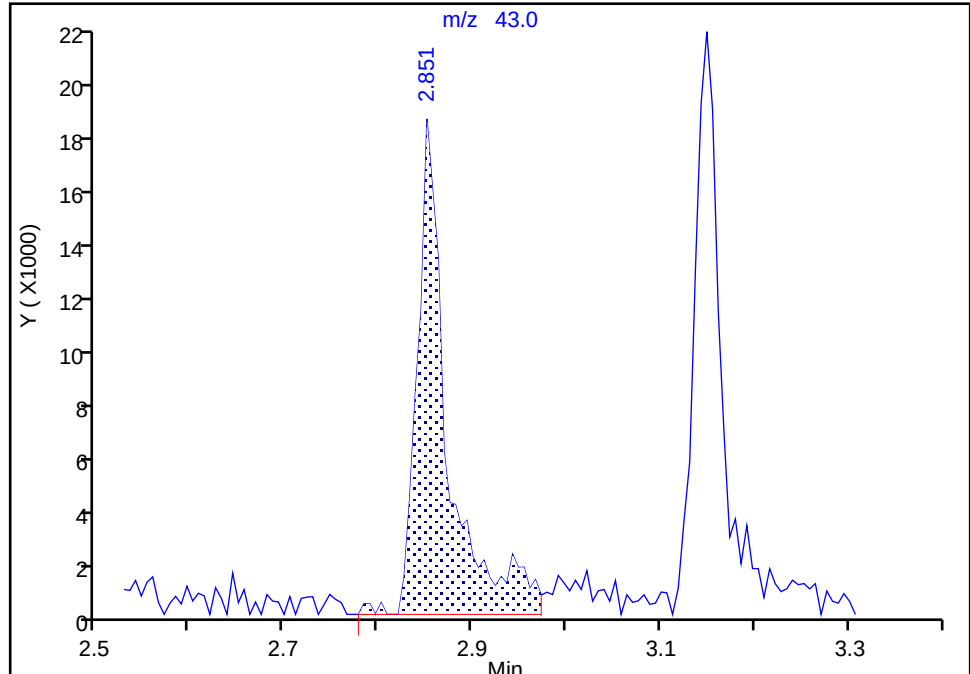
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D
Injection Date: 20-Jun-2018 14:38:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: LH/ZV ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

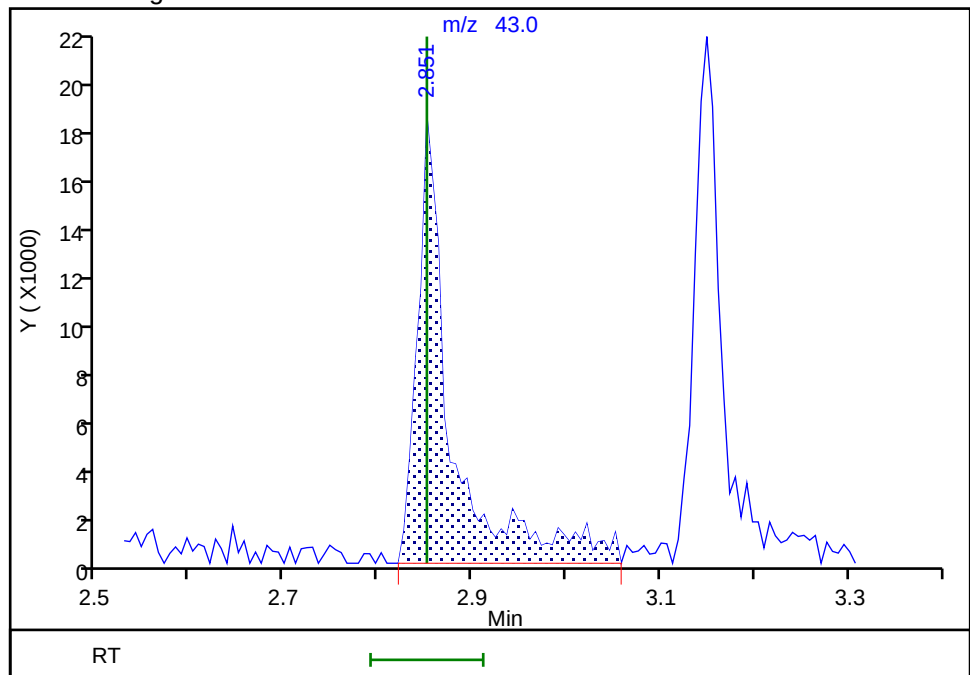
RT: 2.85
Area: 41648
Amount: 9.924223
Amount Units: ug/L

Processing Integration Results



RT: 2.85
Area: 45897
Amount: 11.753991
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 22:49:47
Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

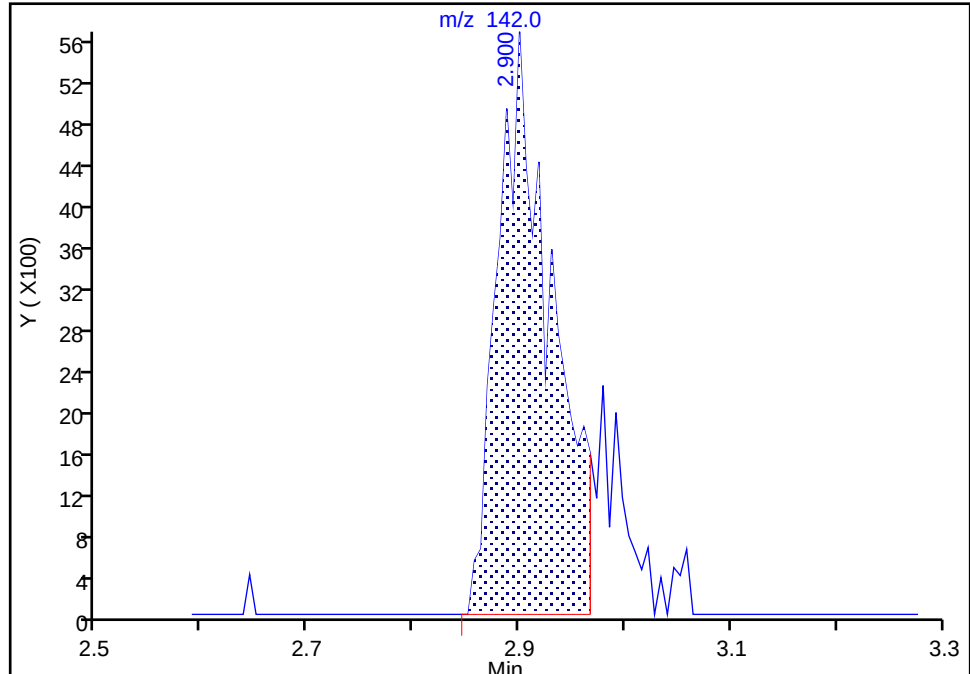
Detector: MS SCAN

25 Iodomethane, CAS: 74-88-4

Signal: 1

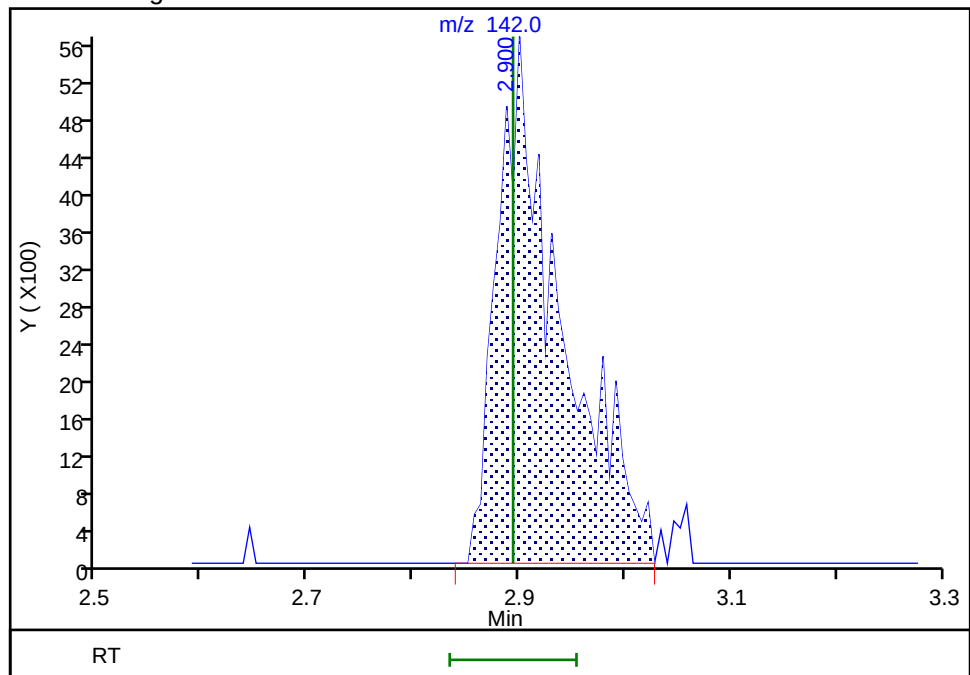
RT: 2.90
Area: 19972
Amount: 1.497511
Amount Units: ug/L

Processing Integration Results



RT: 2.90
Area: 23539
Amount: 1.795323
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 22:50:30

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

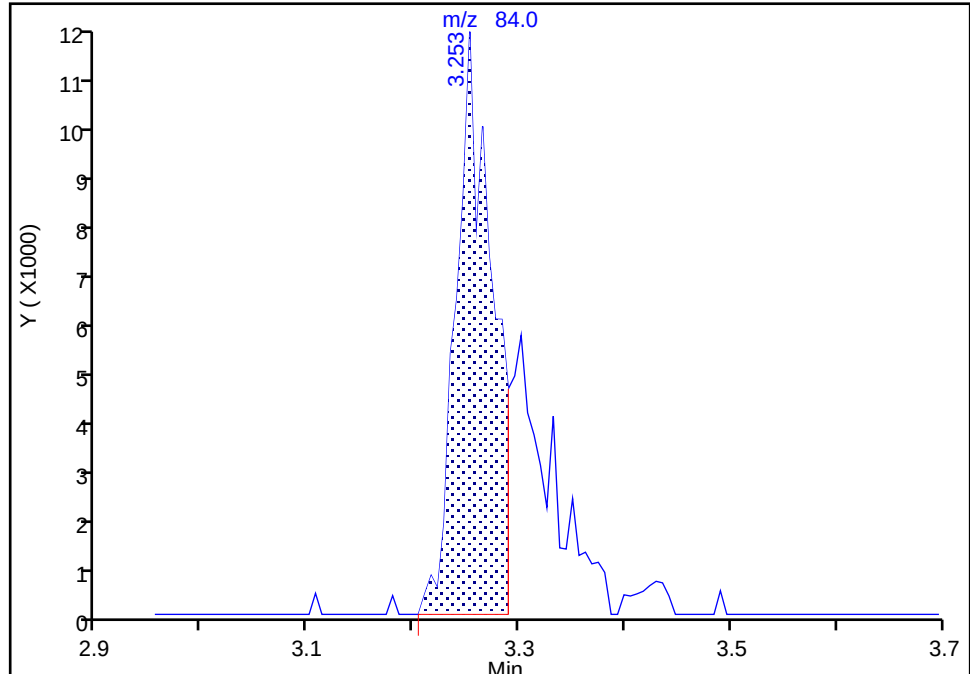
Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

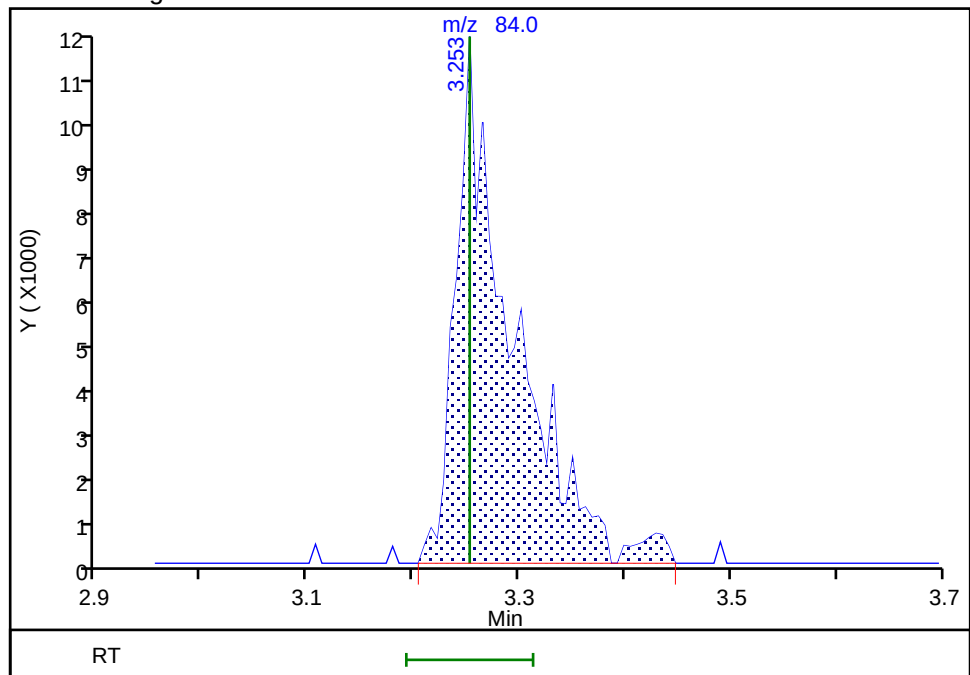
RT: 3.25
Area: 27629
Amount: 1.460418
Amount Units: ug/L

Processing Integration Results



RT: 3.25
Area: 42609
Amount: 2.057003
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 13:49:08

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

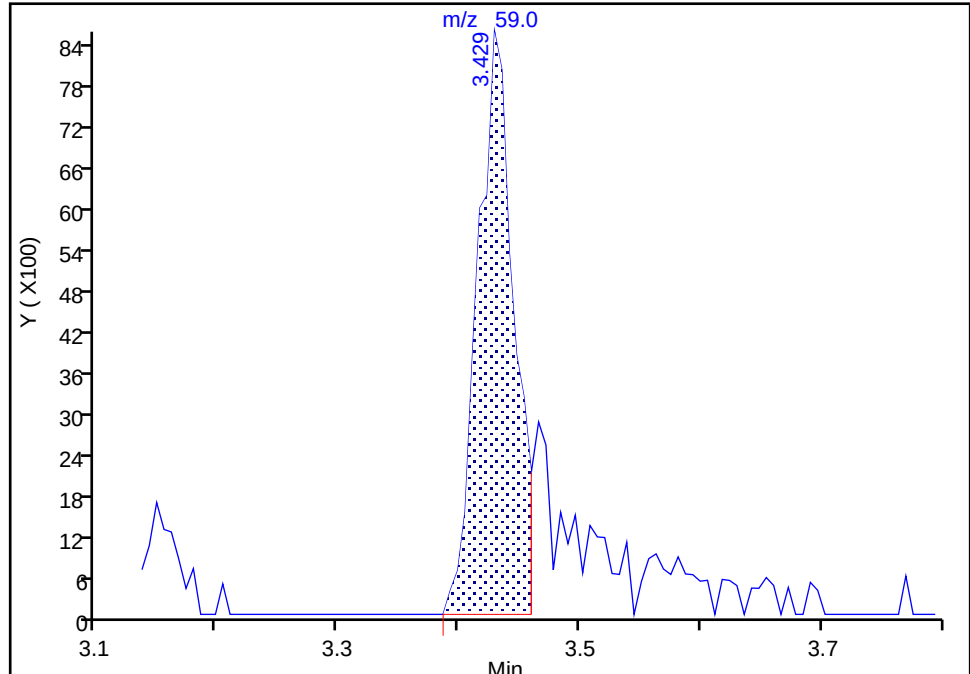
Detector: MS SCAN

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

Signal: 1

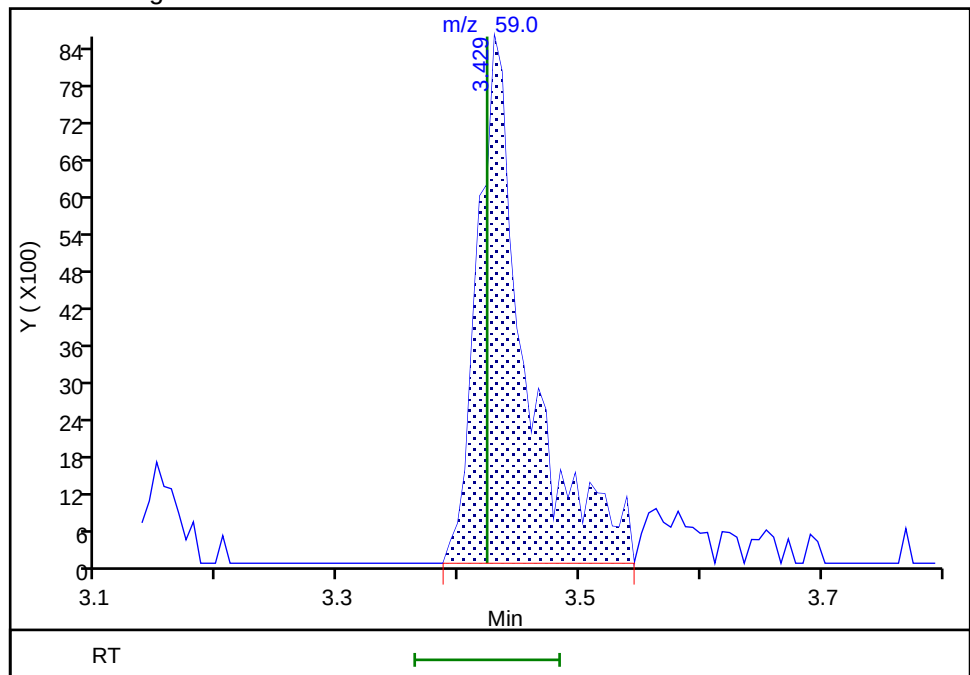
RT: 3.43
Area: 17955
Amount: 16.316635
Amount Units: ug/L

Processing Integration Results



RT: 3.43
Area: 23908
Amount: 18.070445
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:51:44

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

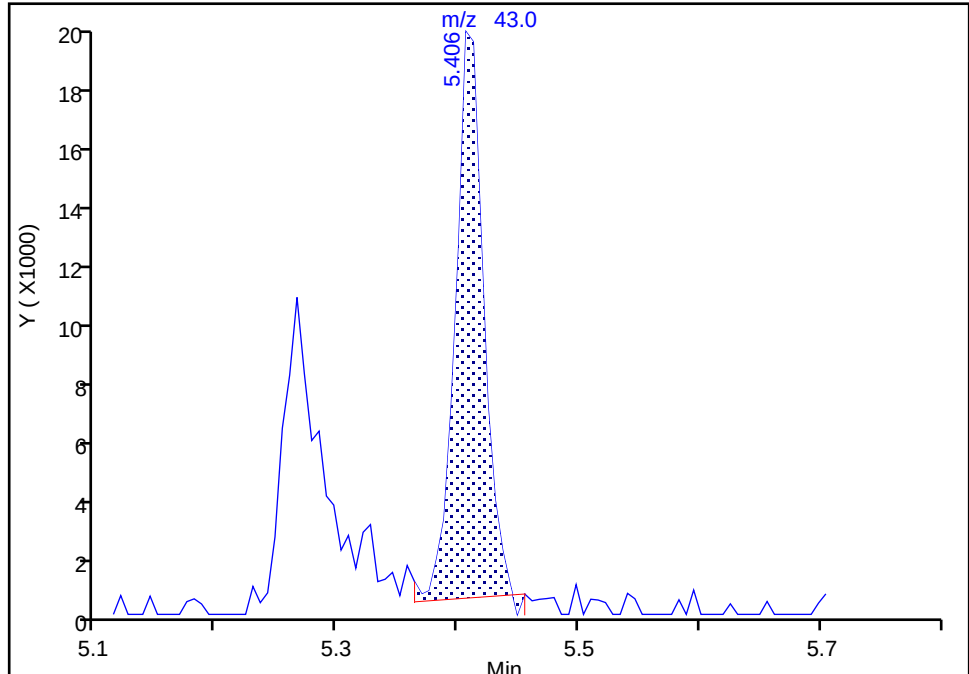
Detector: MS SCAN

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

Signal: 1

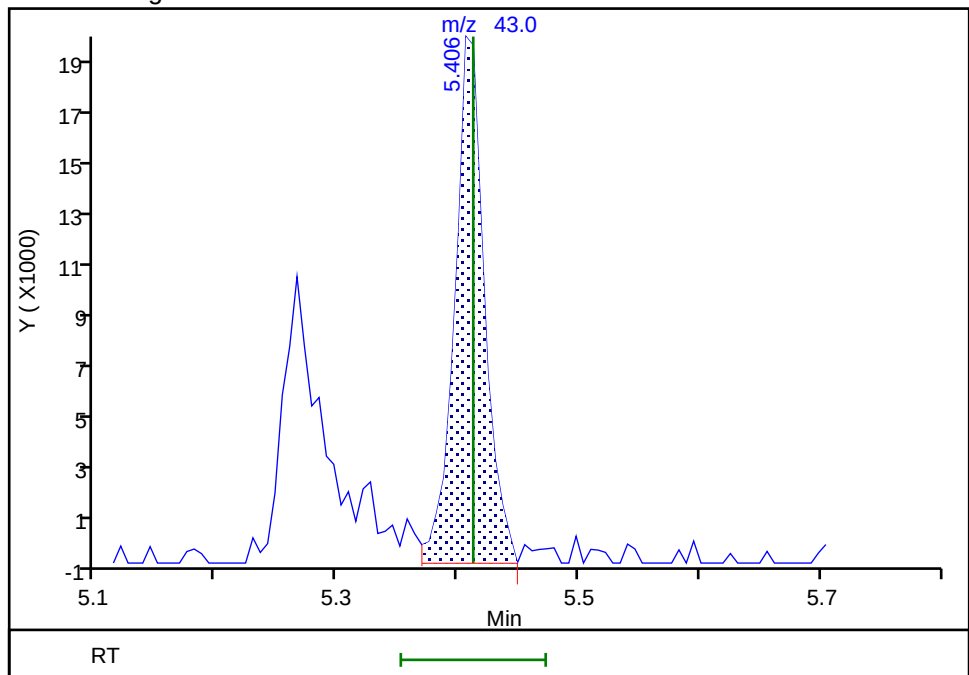
RT: 5.41
Area: 31472
Amount: 1.805730
Amount Units: ug/L

Processing Integration Results



RT: 5.41
Area: 34128
Amount: 1.939647
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:17:57

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2508.D

Injection Date: 20-Jun-2018 14:38:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

5

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

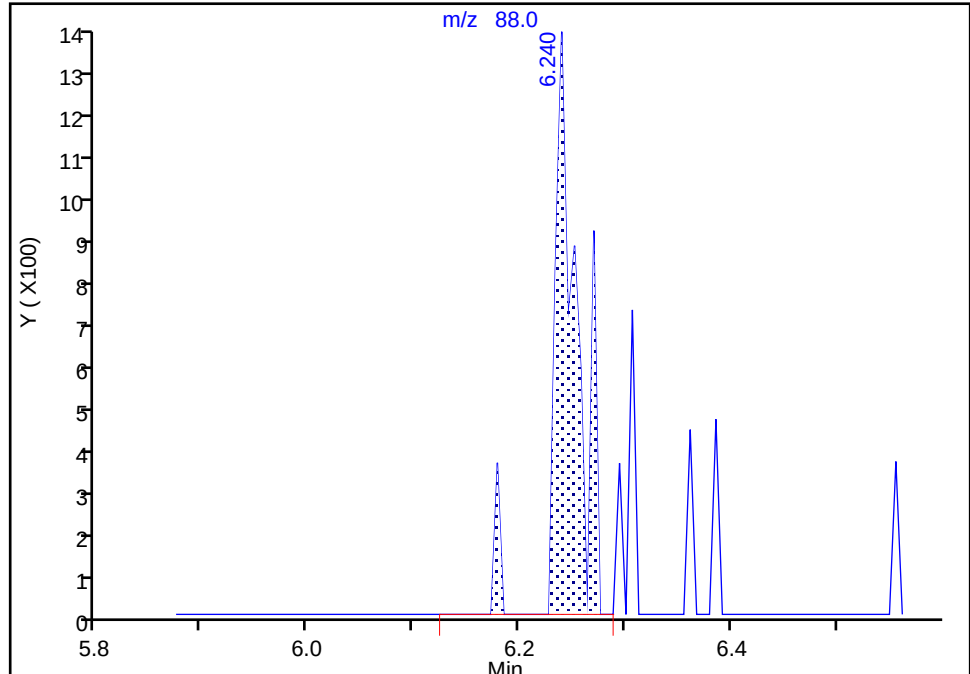
Detector: MS SCAN

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

Signal: 1

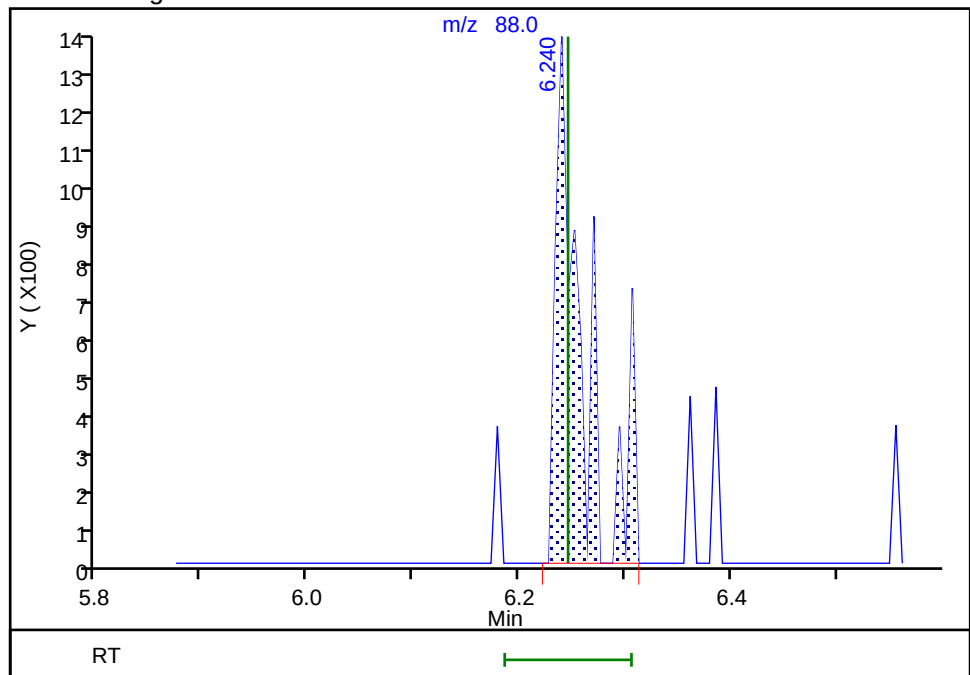
RT: 6.24
Area: 2010
Amount: 26.141337
Amount Units: ug/L

Processing Integration Results



RT: 6.24
Area: 2267
Amount: 38.583938
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:26:20

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2509.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 20-Jun-2018 15:01:30 ALS Bottle#: 6 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0072482-008
 Operator ID: LH/ZV Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Jun-2018 14:25:51 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: nowakk

Date: 20-Jun-2018 20:19:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	194919	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	401283	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	93	371613	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.926	4.926	0.000	62	236175	25.0	25.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	0	162701	25.0	26.6	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	91	974777	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	89	298183	25.0	24.8	
10 Dichlorodifluoromethane	85	1.282	1.282	0.000	84	57375	5.00	6.11	
12 Chloromethane	50	1.464	1.464	0.000	98	78570	5.00	5.27	
13 Vinyl chloride	62	1.543	1.549	-0.006	81	72004	5.00	5.43	
151 Butadiene	54	1.574	1.574	0.000	56	74679	5.00	5.40	
14 Bromomethane	94	1.884	1.872	0.012	81	37490	5.00	5.28	
15 Chloroethane	64	1.988	1.969	0.019	70	42938	5.00	5.35	
16 Dichlorofluoromethane	67	2.207	2.194	0.013	79	94040	5.00	5.35	M
17 Trichlorofluoromethane	101	2.200	2.194	0.006	68	74675	5.00	5.94	M
18 Ethyl ether	59	2.492	2.492	0.000	82	59556	5.00	5.33	
20 Acrolein	56	2.687	2.687	0.000	90	50983	25.0	23.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.699	2.705	-0.006	39	42648	5.00	5.88	M
22 1,1-Dichloroethene	96	2.718	2.730	-0.012	96	49334	5.00	5.73	
23 Acetone	43	2.845	2.851	-0.006	92	94147	25.0	25.1	
25 Iodomethane	142	2.894	2.894	0.000	93	69957	5.00	5.56	
26 Carbon disulfide	76	2.918	2.918	0.000	88	152614	5.00	5.56	
28 3-Chloro-1-propene	41	3.089	3.089	0.001	86	90419	5.00	5.42	
27 Methyl acetate	43	3.143	3.143	0.000	96	103471	10.0	10.5	
30 Methylene Chloride	84	3.247	3.253	-0.006	87	75350	5.00	5.30	M
31 2-Methyl-2-propanol	59	3.429	3.423	0.006	84	62295	50.0	49.0	M
32 Methyl tert-butyl ether	73	3.454	3.454	0.000	90	166404	5.00	5.16	
34 trans-1,2-Dichloroethene	96	3.466	3.472	-0.006	85	55688	5.00	5.65	
33 Acrylonitrile	53	3.539	3.539	0.000	99	254614	50.0	48.7	
35 Hexane	57	3.654	3.660	-0.006	82	108267	5.00	5.96	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.892	3.892	0.000	92	110345	5.00	5.32	
37 Vinyl acetate	43	3.953	3.952	0.001	97	249498	10.0	10.4	
44 2,2-Dichloropropane	77	4.415	4.415	0.000	89	64910	5.00	5.64	
45 cis-1,2-Dichloroethene	96	4.451	4.457	-0.006	75	61673	5.00	5.45	
43 2-Butanone (MEK)	43	4.494	4.494	0.000	92	142709	25.0	24.8	
48 Chlorobromomethane	128	4.695	4.695	0.000	91	30101	5.00	5.56	
49 Tetrahydrofuran	42	4.713	4.713	0.000	84	36094	10.0	9.12	
50 Chloroform	83	4.768	4.774	-0.006	92	98890	5.00	5.46	
51 1,1,1-Trichloroethane	97	4.883	4.877	0.006	88	74012	5.00	5.48	
52 Cyclohexane	56	4.877	4.883	-0.006	89	95397	5.00	5.25	
55 Carbon tetrachloride	117	5.017	5.011	0.006	86	61607	5.00	5.45	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	89	71332	5.00	5.19	
57 Benzene	78	5.236	5.236	0.000	75	223580	5.00	5.41	
53 Isobutyl alcohol	43	5.267	5.266	0.001	92	61251	125.0	114.5	
58 1,2-Dichloroethane	62	5.309	5.315	-0.006	70	87871	5.00	5.26	
59 n-Heptane	43	5.413	5.412	0.001	86	95852	5.00	5.67	
62 Trichloroethene	95	5.851	5.850	0.001	93	60191	5.00	5.64	
64 Methylcyclohexane	83	5.960	5.960	0.000	94	95854	5.00	5.90	
65 1,2-Dichloropropane	63	6.100	6.094	0.006	94	65633	5.00	5.26	
67 Dibromomethane	93	6.240	6.234	0.006	86	33662	5.00	5.17	
66 1,4-Dioxane	88	6.240	6.246	-0.006	26	6969	100.0	89.7	M
68 Dichlorobromomethane	83	6.392	6.386	0.006	95	68190	5.00	5.44	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	87	42348	5.00	5.09	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	87	84252	5.00	5.34	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	94	326171	25.0	25.5	
74 Toluene	92	7.092	7.085	0.007	80	140875	5.00	5.28	
77 trans-1,3-Dichloropropene	75	7.378	7.377	0.001	87	70774	5.00	4.82	
75 Ethyl methacrylate	69	7.414	7.414	0.000	85	74867	5.00	5.20	
79 1,1,2-Trichloroethane	83	7.572	7.566	0.006	91	41694	5.00	5.19	
81 Tetrachloroethene	166	7.621	7.615	0.006	81	58888	5.00	5.23	
82 1,3-Dichloropropane	76	7.724	7.730	-0.006	93	81753	5.00	4.82	
80 2-Hexanone	43	7.791	7.791	0.000	79	246316	25.0	26.1	
83 Chlorodibromomethane	129	7.962	7.961	0.001	82	45191	5.00	4.94	
84 Ethylene Dibromide	107	8.071	8.071	0.000	90	52152	5.00	5.15	
87 Chlorobenzene	112	8.540	8.539	0.001	90	153908	5.00	5.27	
88 Ethylbenzene	91	8.631	8.631	0.000	99	260118	5.00	5.41	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.643	0.000	54	46444	5.00	4.91	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	0	101199	5.00	5.17	
91 o-Xylene	106	9.178	9.178	0.000	98	97848	5.00	5.27	
92 Styrene	104	9.209	9.209	0.000	93	168072	5.00	5.28	
95 Bromoform	173	9.464	9.464	0.000	91	26624	5.00	4.56	
94 Isopropylbenzene	105	9.562	9.561	0.001	94	261022	5.00	5.57	
101 Bromobenzene	156	9.908	9.908	0.000	93	62196	5.00	5.25	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	81	66963	5.00	5.26	
99 N-Propylbenzene	91	9.981	9.987	-0.006	98	304106	5.00	5.60	
100 1,2,3-Trichloropropane	110	10.000	9.999	0.001	67	22292	5.00	5.32	
98 trans-1,4-Dichloro-2-buten	53	10.018	10.012	0.006	65	18263	5.00	4.51	
103 2-Chlorotoluene	126	10.091	10.091	0.000	95	60025	5.00	5.13	
102 1,3,5-Trimethylbenzene	105	10.158	10.164	-0.006	83	214731	5.00	5.28	
105 4-Chlorotoluene	126	10.206	10.200	0.006	93	62670	5.00	5.23	
106 tert-Butylbenzene	134	10.474	10.474	0.000	90	48709	5.00	5.62	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	75	223814	5.00	5.39	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	90	261311	5.00	5.36	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	96	231080	5.00	5.51	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	70	119848	5.00	5.20	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	75	127844	5.00	5.44	
115 n-Butylbenzene	91	11.210	11.210	0.000	96	208379	5.00	5.51	
116 1,2-Dichlorobenzene	146	11.259	11.265	-0.006	90	123068	5.00	5.43	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	47	11203	5.00	4.54	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	91	80426	5.00	4.99	
120 Hexachlorobutadiene	225	12.768	12.767	0.001	89	39788	5.00	5.16	
121 Naphthalene	128	12.877	12.877	0.000	97	221088	5.00	5.02	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	94	79276	5.00	5.33	
S 124 Xylenes, Total	1				0			10.4	
S 126 1,3-Dichloropropene, Total	1				0			10.2	
S 123 Total BTEX	1				0			26.5	
S 125 1,2-Dichloroethene, Total	1				0			11.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 5.00

Units: uL

GAS CORP mix_00287

Amount Added: 5.00

Units: uL

S_8260_IS_00293

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00274

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180620-72482.b\\S2509.D

Injection Date: 20-Jun-2018 15:01:30

Instrument ID: HP5973S

Operator ID: LH/ZV

Lims ID: IC 3

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

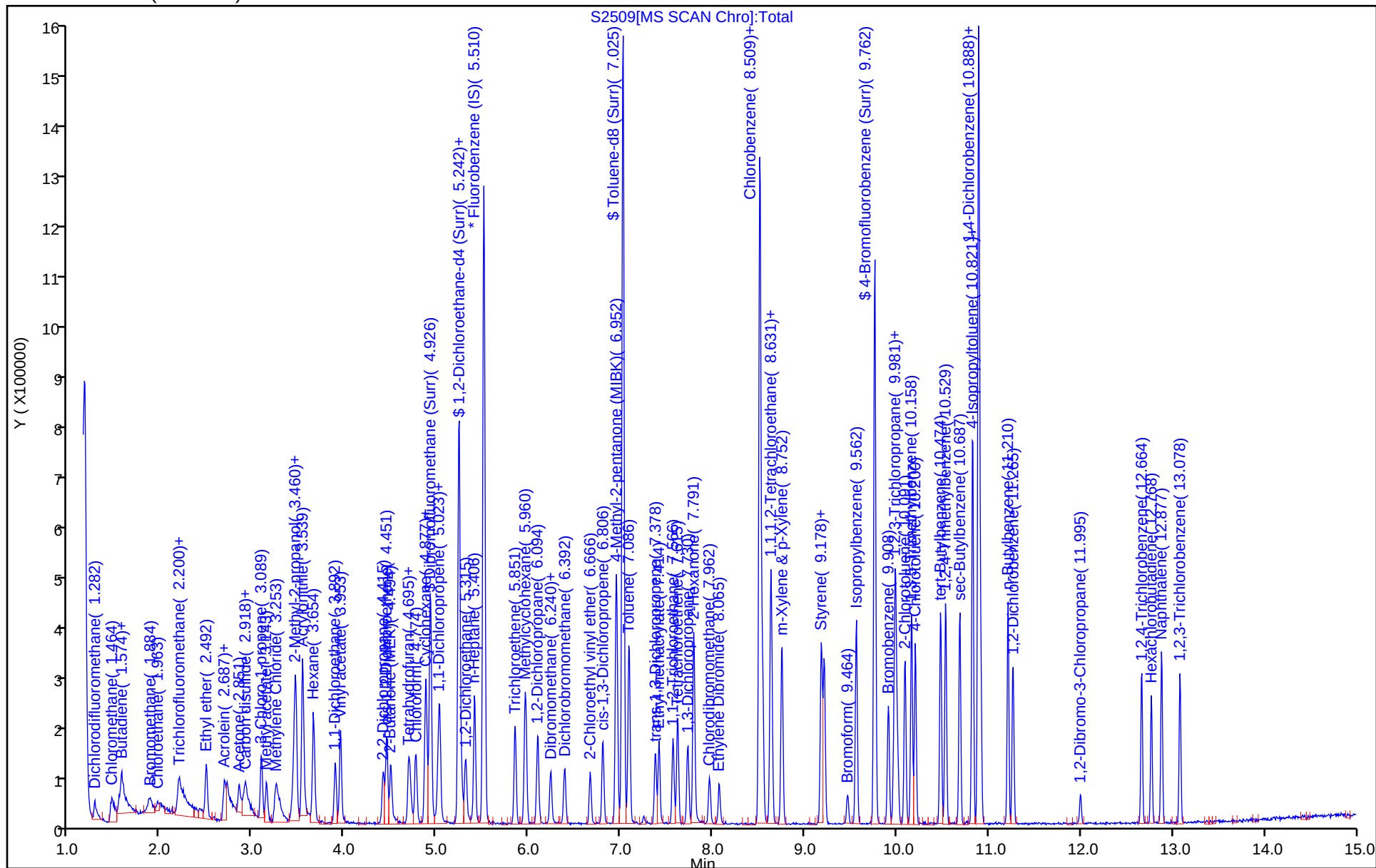
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2509.D

Injection Date: 20-Jun-2018 15:01:30

Instrument ID: HP5973S

Lims ID: IC 3

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

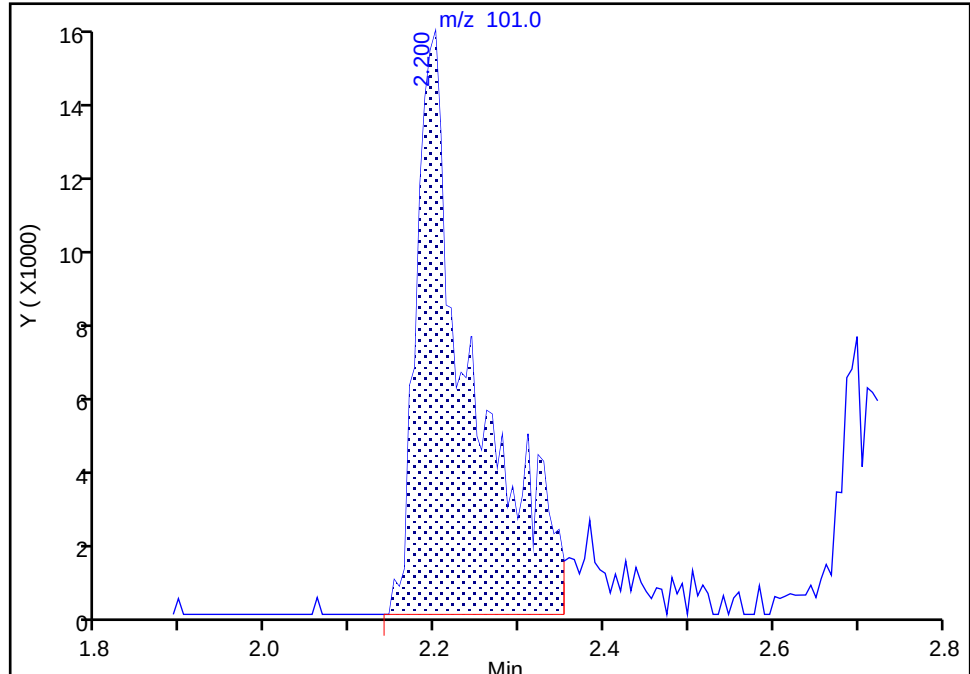
MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

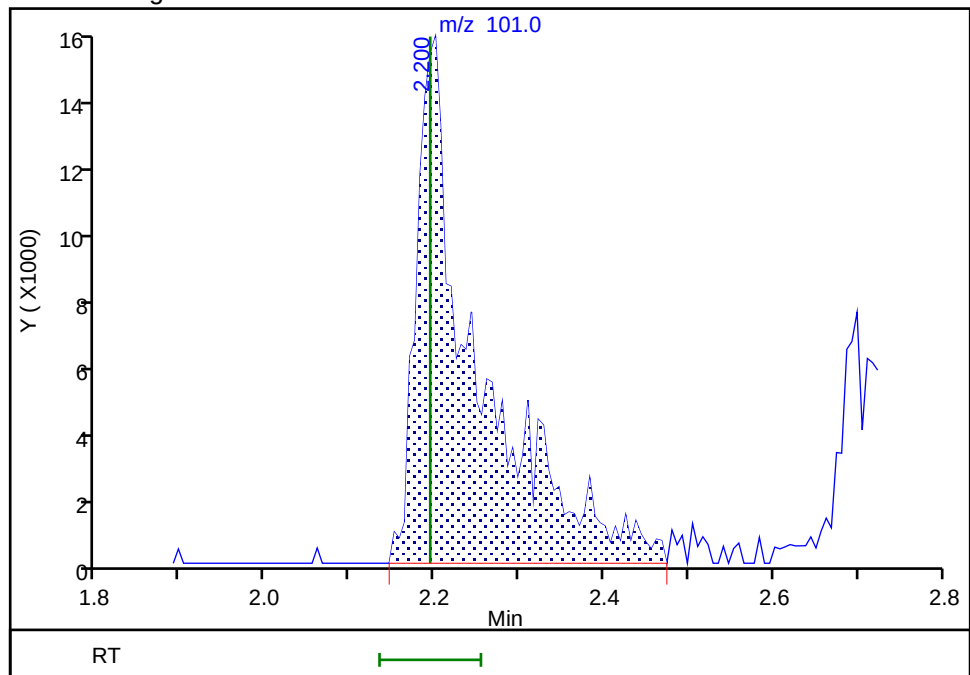
RT: 2.20
Area: 67404
Amount: 5.262149
Amount Units: ug/L

Processing Integration Results



RT: 2.20
Area: 74675
Amount: 5.943261
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 22:53:53

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2509.D

Injection Date: 20-Jun-2018 15:01:30

Instrument ID: HP5973S

Lims ID: IC 3

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

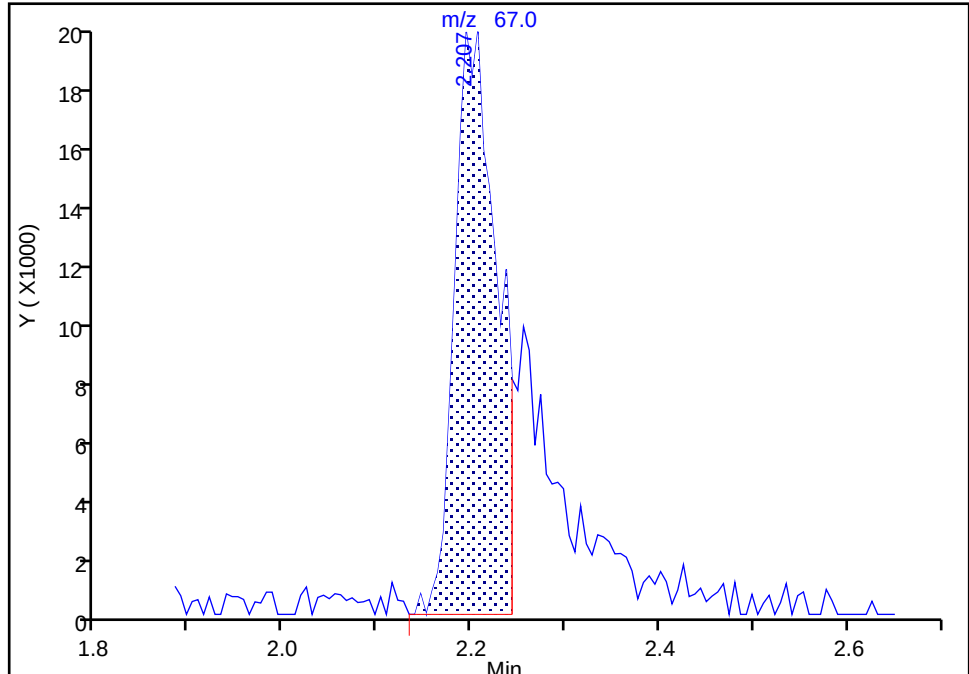
MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

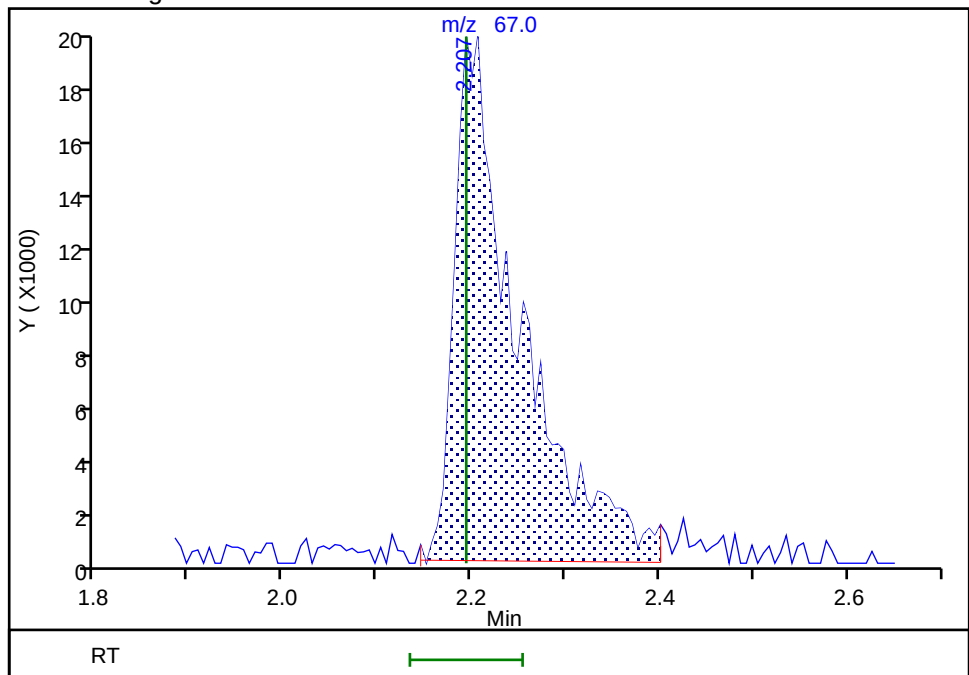
RT: 2.21
Area: 62001
Amount: 3.732710
Amount Units: ug/L

Processing Integration Results



RT: 2.21
Area: 94040
Amount: 5.348202
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 22:53:24

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2509.D

Injection Date: 20-Jun-2018 15:01:30

Instrument ID: HP5973S

Lims ID: IC 3

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

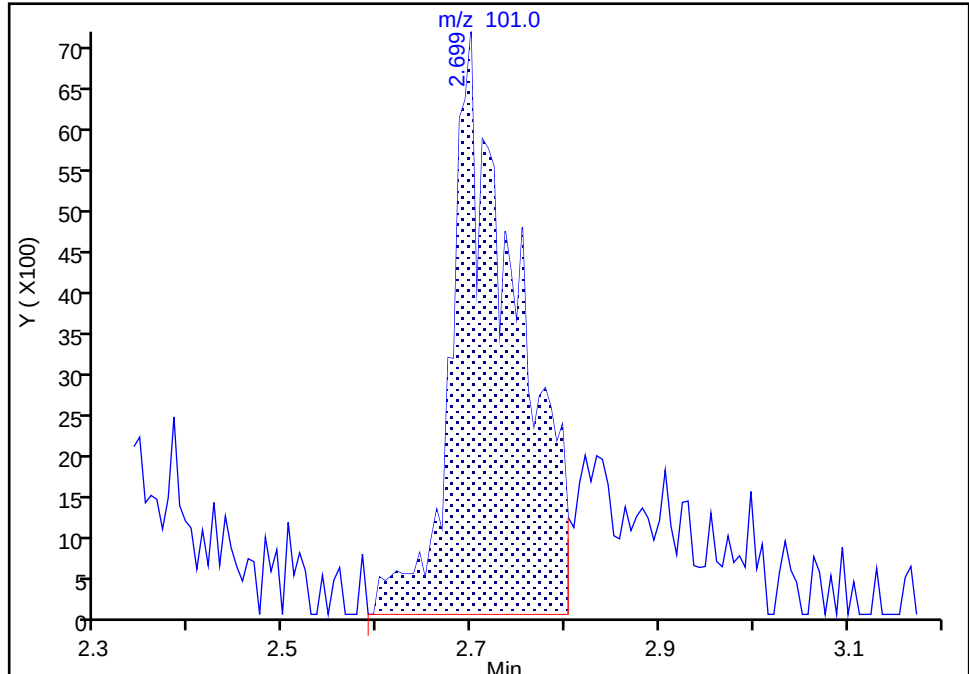
MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

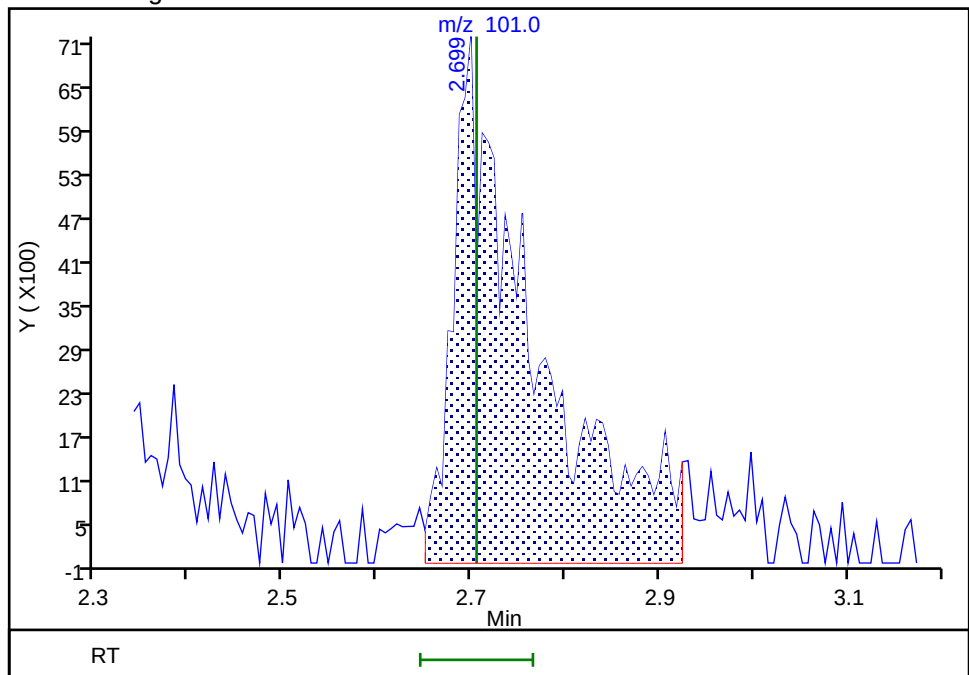
RT: 2.70
Area: 34329
Amount: 5.577335
Amount Units: ug/L

Processing Integration Results



RT: 2.70
Area: 42648
Amount: 5.877613
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:20:47

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2509.D

Injection Date: 20-Jun-2018 15:01:30

Instrument ID: HP5973S

Lims ID: IC 3

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

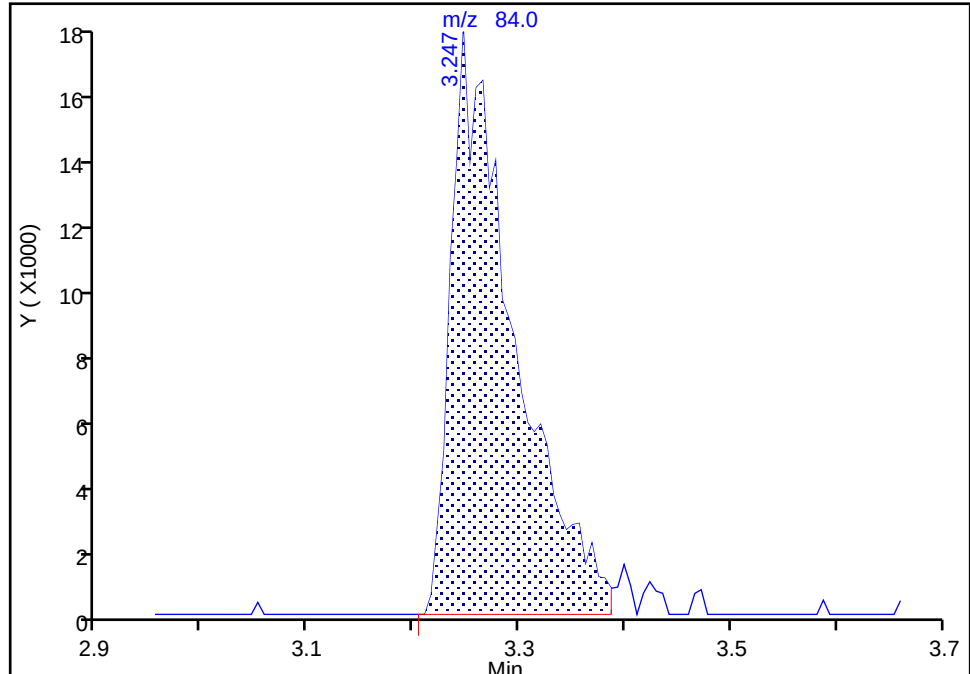
MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

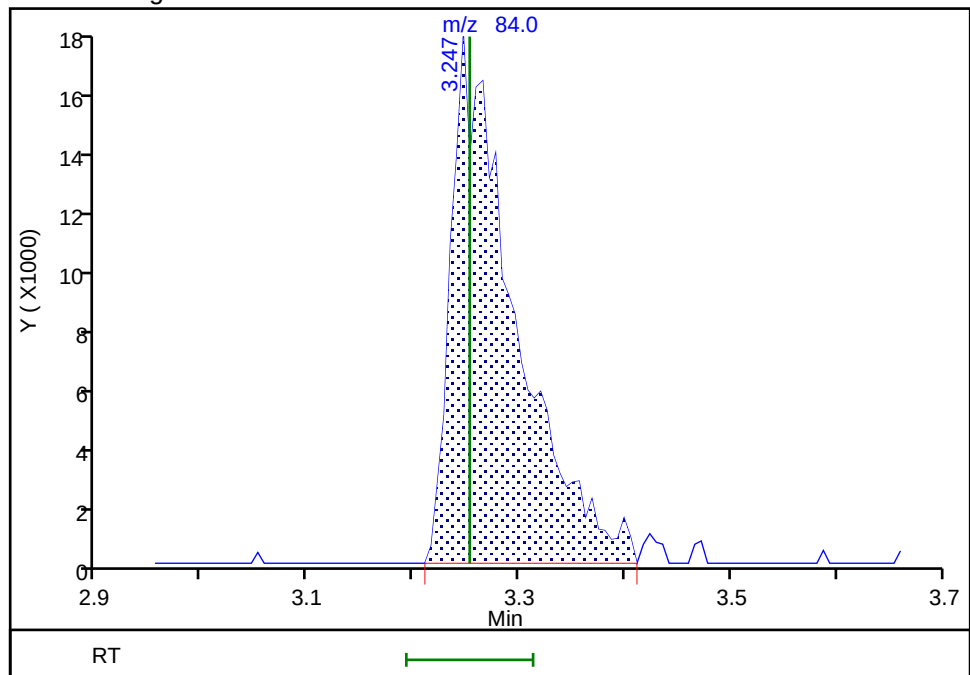
RT: 3.25
Area: 74156
Amount: 5.210539
Amount Units: ug/L

Processing Integration Results



RT: 3.25
Area: 75350
Amount: 5.299668
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:43:48

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2509.D

Injection Date: 20-Jun-2018 15:01:30

Instrument ID: HP5973S

Lims ID: IC 3

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

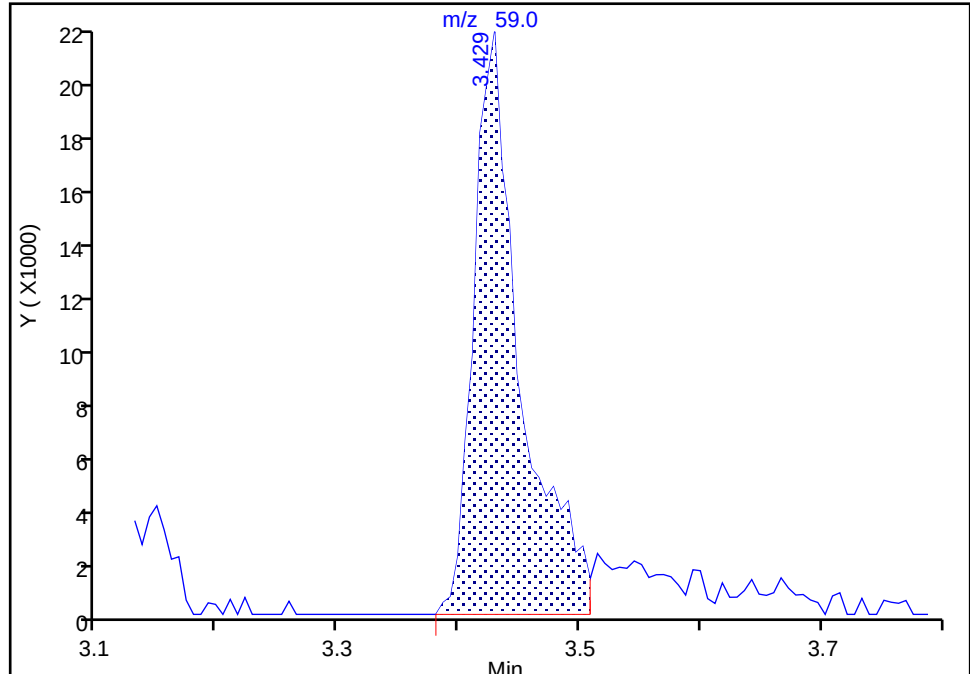
Detector: MS SCAN

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

Signal: 1

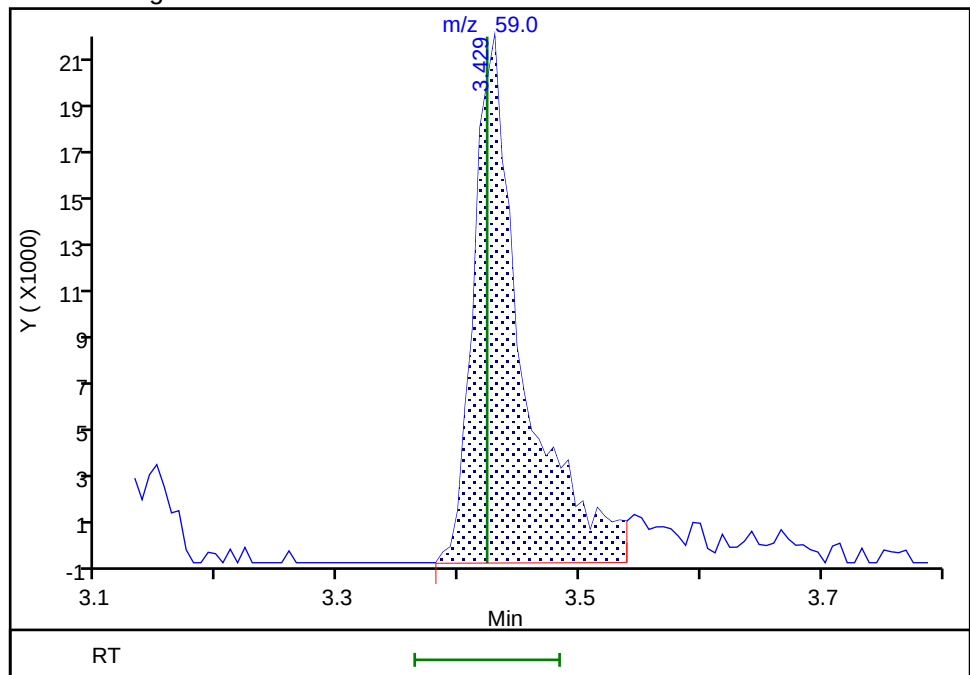
RT: 3.43
Area: 58800
Amount: 52.791577
Amount Units: ug/L

Processing Integration Results



RT: 3.43
Area: 62295
Amount: 49.026488
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:51:26

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2509.D

Injection Date: 20-Jun-2018 15:01:30

Instrument ID: HP5973S

Lims ID: IC 3

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

6

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

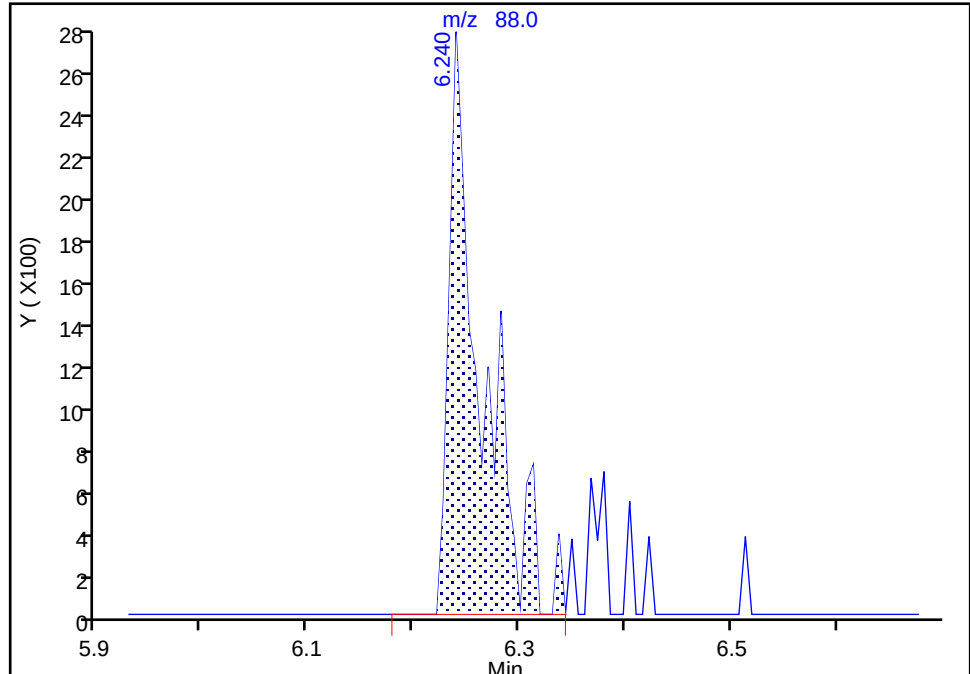
Detector: MS SCAN

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

Signal: 1

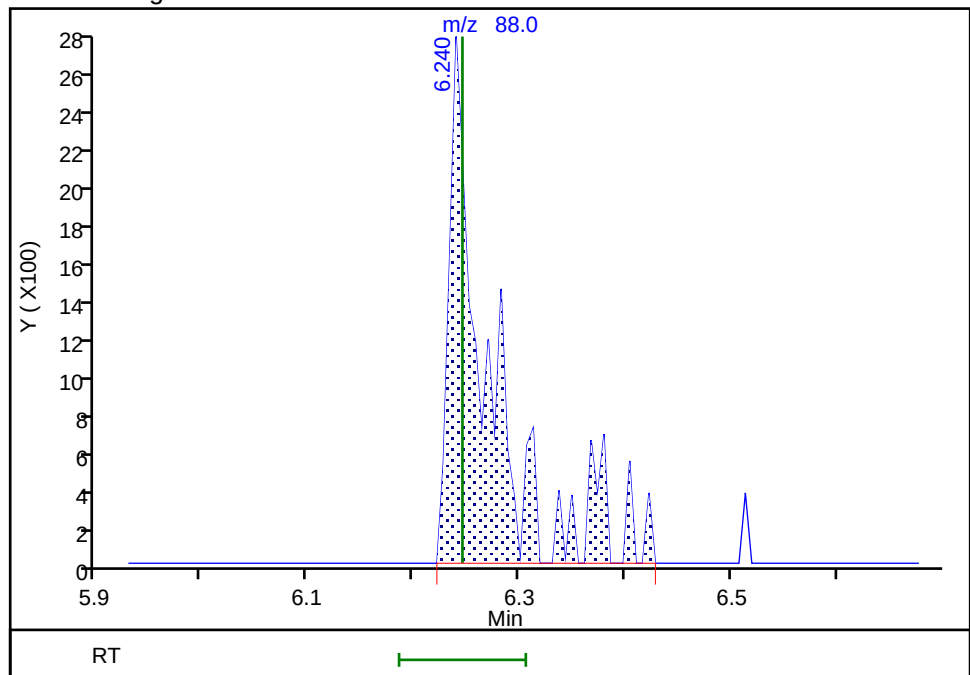
RT: 6.24
Area: 5894
Amount: 69.560976
Amount Units: ug/L

Processing Integration Results



RT: 6.24
Area: 6969
Amount: 89.712458
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:21:46

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2510.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 20-Jun-2018 15:24:30 ALS Bottle#: 7 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0072482-009
 Operator ID: LH/ZV Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Jun-2018 14:25:56 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: nowakk

Date: 20-Jun-2018 19:35:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	204294	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.515	8.509	0.006	86	404541	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.894	10.888	0.006	96	369559	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	57	237971	25.0	24.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.236	5.242	-0.006	0	153221	25.0	23.9	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	91	981631	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	88	292377	25.0	24.2	
10 Dichlorodifluoromethane	85	1.282	1.282	0.000	95	100661	10.0	10.2	
12 Chloromethane	50	1.470	1.464	0.006	88	158120	10.0	10.1	
13 Vinyl chloride	62	1.549	1.549	0.000	95	135746	10.0	9.77	
151 Butadiene	54	1.580	1.574	0.006	84	141422	10.0	9.76	
14 Bromomethane	94	1.872	1.872	0.000	79	70373	10.0	9.45	
15 Chloroethane	64	1.975	1.969	0.006	82	79988	10.0	9.51	
17 Trichlorofluoromethane	101	2.206	2.194	0.012	72	122840	10.0	9.33	
16 Dichlorofluoromethane	67	2.200	2.194	0.006	94	161069	10.0	8.74	
18 Ethyl ether	59	2.498	2.492	0.006	85	119421	10.0	10.2	
20 Acrolein	56	2.687	2.687	0.000	89	106044	50.0	47.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.711	2.705	0.006	54	83709	10.0	10.7	M
22 1,1-Dichloroethene	96	2.723	2.730	-0.007	90	96639	10.0	10.7	M
23 Acetone	43	2.851	2.851	0.000	97	172269	50.0	43.8	
25 Iodomethane	142	2.888	2.894	-0.006	96	139498	10.0	10.6	
26 Carbon disulfide	76	2.918	2.918	0.000	96	285284	10.0	9.92	
28 3-Chloro-1-propene	41	3.095	3.089	0.007	86	155269	10.0	8.87	
27 Methyl acetate	43	3.149	3.143	0.006	95	190812	20.0	18.5	M
30 Methylene Chloride	84	3.253	3.253	0.000	94	127431	10.0	9.65	M
31 2-Methyl-2-propanol	59	3.429	3.423	0.006	92	137981	100.0	103.6	M
32 Methyl tert-butyl ether	73	3.453	3.454	-0.001	92	330882	10.0	9.78	
34 trans-1,2-Dichloroethene	96	3.466	3.472	-0.006	82	105184	10.0	10.2	
33 Acrylonitrile	53	3.539	3.539	0.000	100	554059	100.0	101.0	
35 Hexane	57	3.660	3.660	0.000	84	187621	10.0	9.85	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.898	3.892	0.006	97	221389	10.0	10.2	
37 Vinyl acetate	43	3.952	3.952	0.000	97	522220	20.0	20.8	
44 2,2-Dichloropropane	77	4.415	4.415	0.000	91	117878	10.0	9.78	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	79	125542	10.0	10.6	
43 2-Butanone (MEK)	43	4.500	4.494	0.006	94	291158	50.0	48.2	
48 Chlorobromomethane	128	4.695	4.695	0.000	94	56519	10.0	9.97	
49 Tetrahydrofuran	42	4.713	4.713	0.000	85	78819	20.0	19.0	
50 Chloroform	83	4.774	4.774	0.000	93	185827	10.0	9.79	
51 1,1,1-Trichloroethane	97	4.877	4.877	0.000	88	136975	10.0	9.68	
52 Cyclohexane	56	4.877	4.883	-0.006	89	192312	10.0	10.1	M
55 Carbon tetrachloride	117	5.017	5.011	0.006	89	116898	10.0	9.86	
54 1,1-Dichloropropene	75	5.035	5.029	0.006	95	138232	10.0	9.59	
57 Benzene	78	5.242	5.236	0.006	92	434302	10.0	10.0	
53 Isobutyl alcohol	43	5.272	5.266	0.006	93	139911	250.0	249.6	
58 1,2-Dichloroethane	62	5.309	5.315	-0.006	76	175124	10.0	10.0	
59 n-Heptane	43	5.412	5.412	0.000	89	170684	10.0	9.64	
62 Trichloroethene	95	5.850	5.850	0.000	95	111214	10.0	9.95	
64 Methylcyclohexane	83	5.960	5.960	0.000	94	172282	10.0	10.1	
65 1,2-Dichloropropane	63	6.100	6.094	0.006	96	133728	10.0	10.2	
67 Dibromomethane	93	6.234	6.234	0.000	92	73081	10.0	10.7	
66 1,4-Dioxane	88	6.240	6.246	-0.006	11	18780	200.0	217.6	M
68 Dichlorobromomethane	83	6.386	6.386	0.000	96	133887	10.0	10.2	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	86	88719	10.0	10.2	
72 cis-1,3-Dichloropropene	75	6.799	6.806	-0.007	88	174306	10.0	10.5	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	94	670794	50.0	51.9	
74 Toluene	92	7.091	7.085	0.006	88	273964	10.0	10.2	
77 trans-1,3-Dichloropropene	75	7.371	7.377	-0.006	96	157325	10.0	10.6	
75 Ethyl methacrylate	69	7.414	7.414	0.000	87	153587	10.0	10.6	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	90	81284	10.0	10.0	
81 Tetrachloroethene	166	7.621	7.615	0.006	75	114249	10.0	10.1	
82 1,3-Dichloropropane	76	7.724	7.730	-0.006	92	178659	10.0	10.5	
80 2-Hexanone	43	7.791	7.791	0.000	91	493778	50.0	51.9	
83 Chlorodibromomethane	129	7.961	7.961	0.000	86	97396	10.0	10.6	
84 Ethylene Dibromide	107	8.071	8.071	0.000	98	104411	10.0	10.2	
87 Chlorobenzene	112	8.539	8.539	0.000	92	300247	10.0	10.2	
88 Ethylbenzene	91	8.631	8.631	0.000	99	505219	10.0	10.4	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.643	0.000	56	101180	10.0	10.6	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	0	193403	10.0	9.81	
91 o-Xylene	106	9.178	9.178	0.000	97	196385	10.0	10.5	
92 Styrene	104	9.215	9.209	0.006	93	331254	10.0	10.3	
95 Bromoform	173	9.464	9.464	0.000	93	60675	10.0	10.3	
94 Isopropylbenzene	105	9.561	9.561	0.000	96	487020	10.0	10.5	
101 Bromobenzene	156	9.908	9.908	0.000	95	123511	10.0	10.5	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	73	132068	10.0	10.4	
99 N-Propylbenzene	91	9.987	9.987	0.000	99	572209	10.0	10.6	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	68	44716	10.0	10.7	
98 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	75	40802	10.0	9.41	
103 2-Chlorotoluene	126	10.091	10.091	0.000	96	115644	10.0	9.95	
102 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	95	432135	10.0	10.7	
105 4-Chlorotoluene	126	10.200	10.200	0.000	81	123635	10.0	10.4	
106 tert-Butylbenzene	134	10.474	10.474	0.000	91	90461	10.0	10.5	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	54	441006	10.0	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	93	506385	10.0	10.4	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	74	236904	10.0	10.3	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	95	450095	10.0	10.8	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	92	242101	10.0	10.4	
115 n-Butylbenzene	91	11.210	11.210	0.000	96	394458	10.0	10.5	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	92	241629	10.0	10.7	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	69	24435	10.0	9.95	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	93	165528	10.0	10.3	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	92	77538	10.0	10.1	
121 Naphthalene	128	12.877	12.877	0.000	97	468207	10.0	10.7	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	96	161462	10.0	10.9	
S 123 Total BTEX	1				0			50.9	
S 125 1,2-Dichloroethene, Total	1				0			20.8	
S 124 Xylenes, Total	1				0			20.3	
S 126 1,3-Dichloropropene, Total	1				0			21.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 5.00

Units: uL

GAS CORP mix_00287

Amount Added: 5.00

Units: uL

S_8260_IS_00293

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00274

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180620-72482.b\\S2510.D

Injection Date: 20-Jun-2018 15:24:30

Instrument ID: HP5973S

Operator ID: LH/ZV

Lims ID: IC 4

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

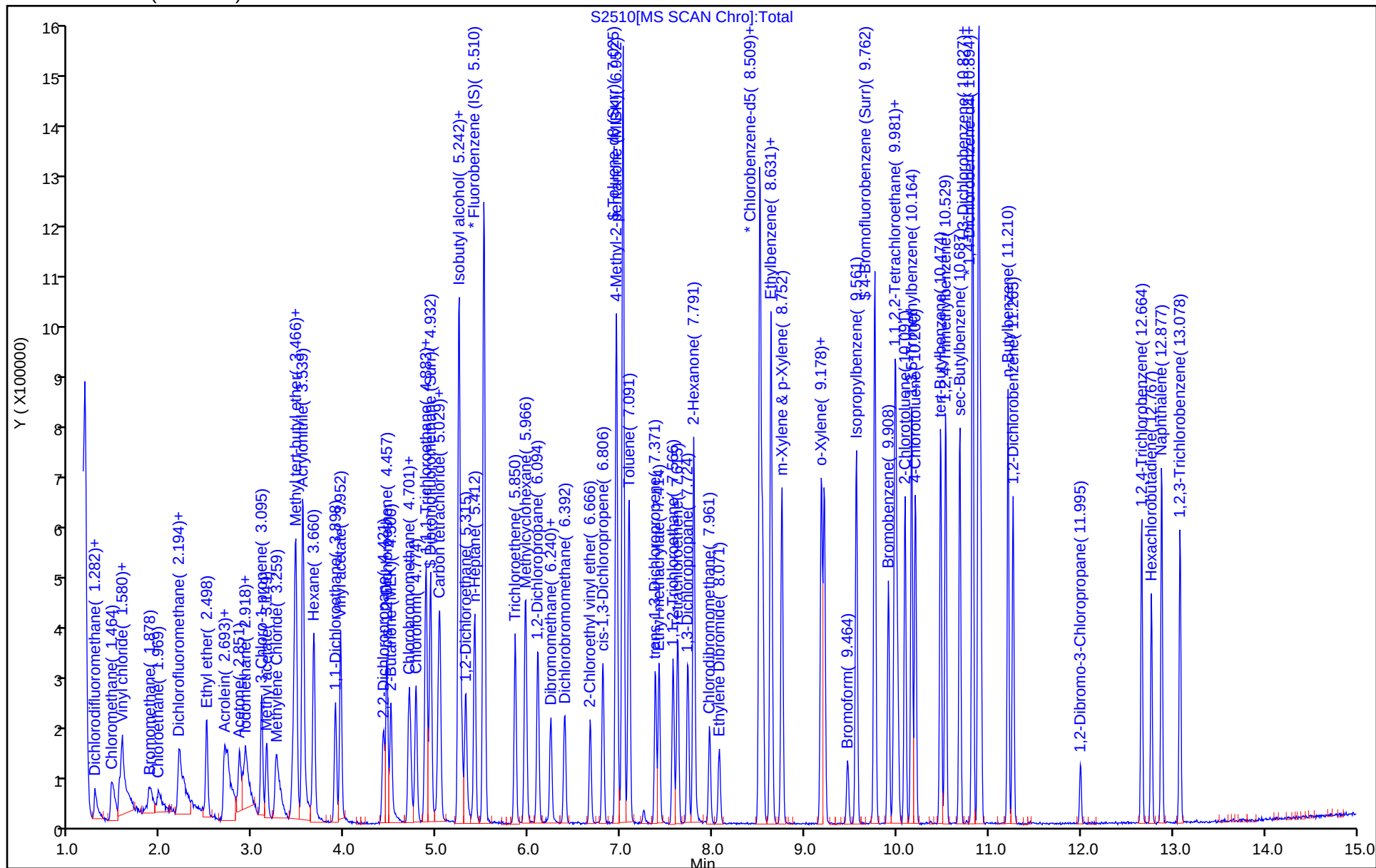
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

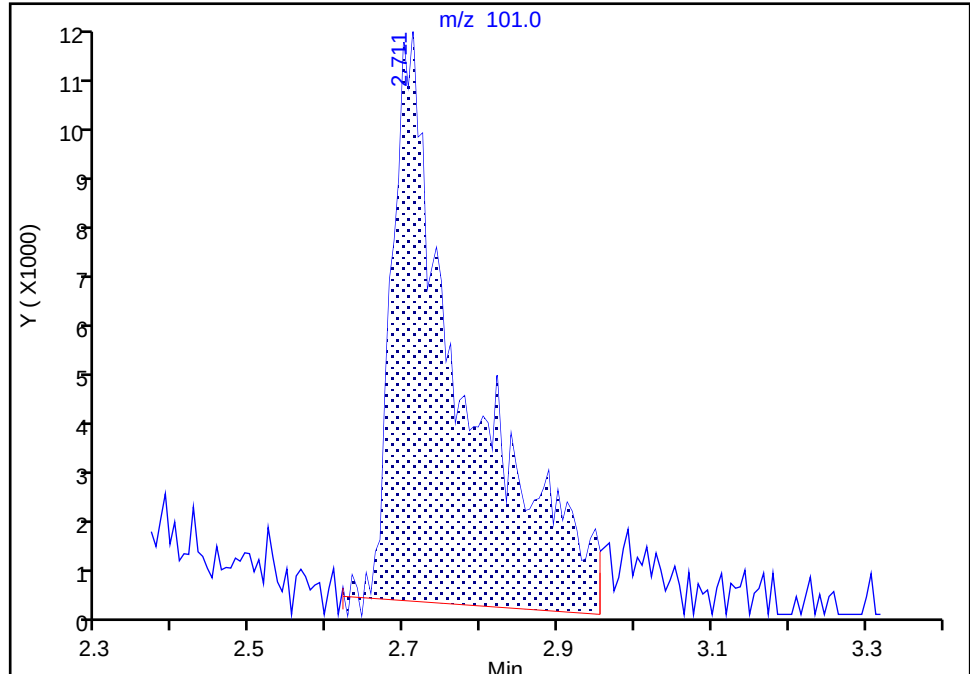
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2510.D
Injection Date: 20-Jun-2018 15:24:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

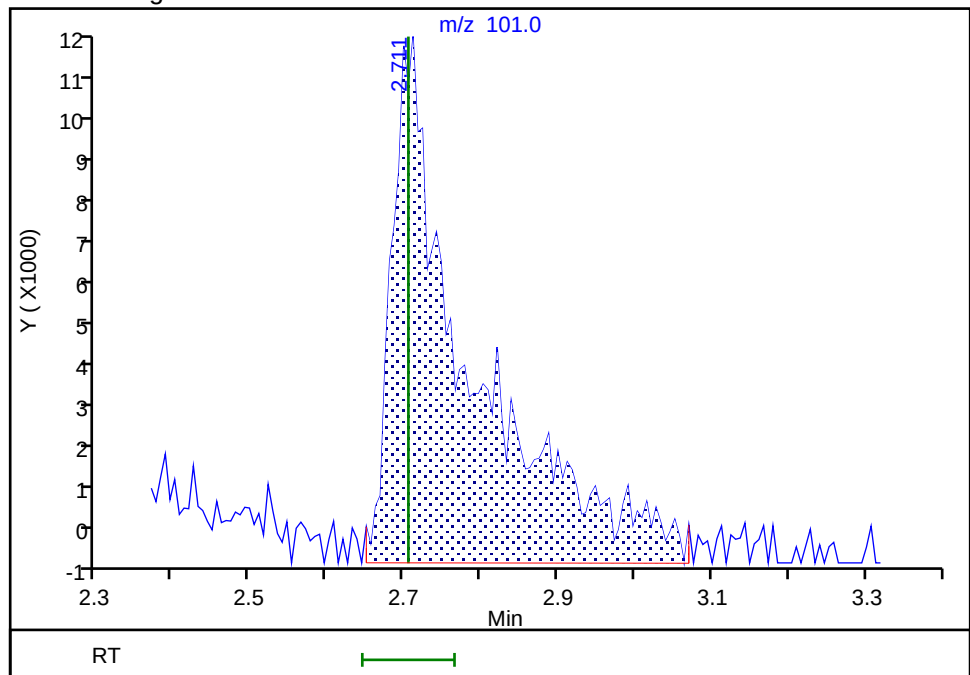
RT: 2.71
Area: 74021
Amount: 9.501471
Amount Units: ug/L

Processing Integration Results



RT: 2.71
Area: 83709
Amount: 10.683331
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:22:39
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2510.D

Injection Date: 20-Jun-2018 15:24:30

Instrument ID: HP5973S

Lims ID: IC 4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

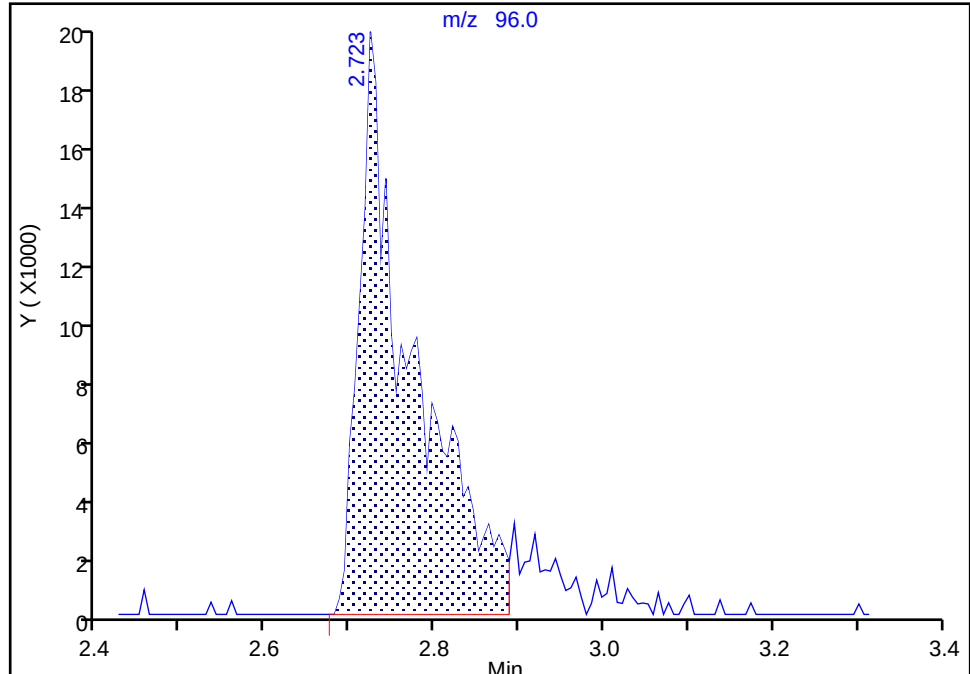
Detector: MS SCAN

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

Signal: 1

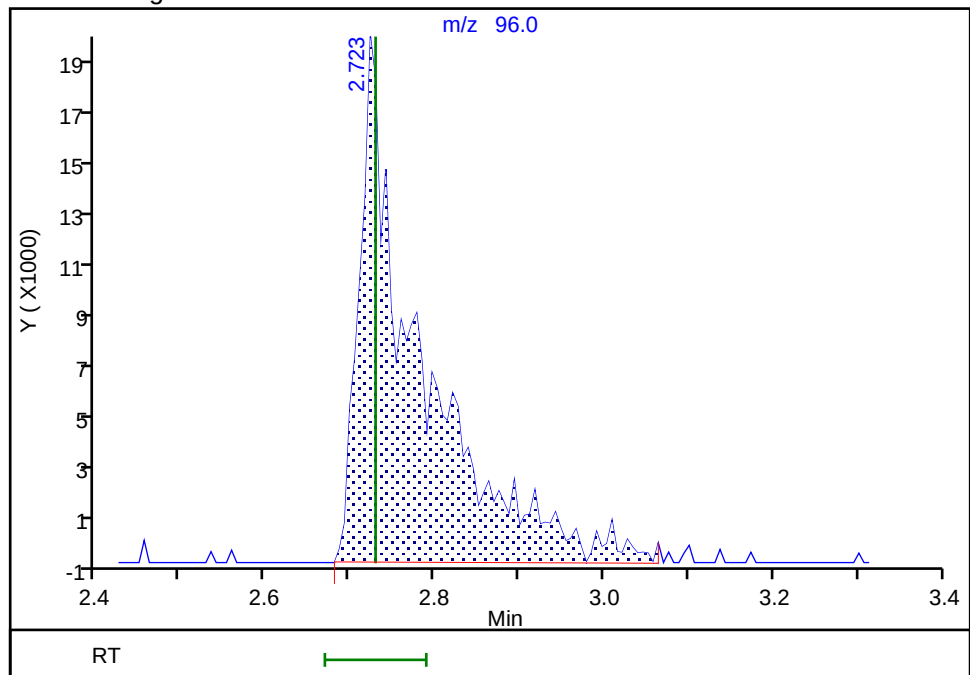
RT: 2.72
Area: 85549
Amount: 10.295861
Amount Units: ug/L

Processing Integration Results



RT: 2.72
Area: 96639
Amount: 10.709001
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 23:19:06

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

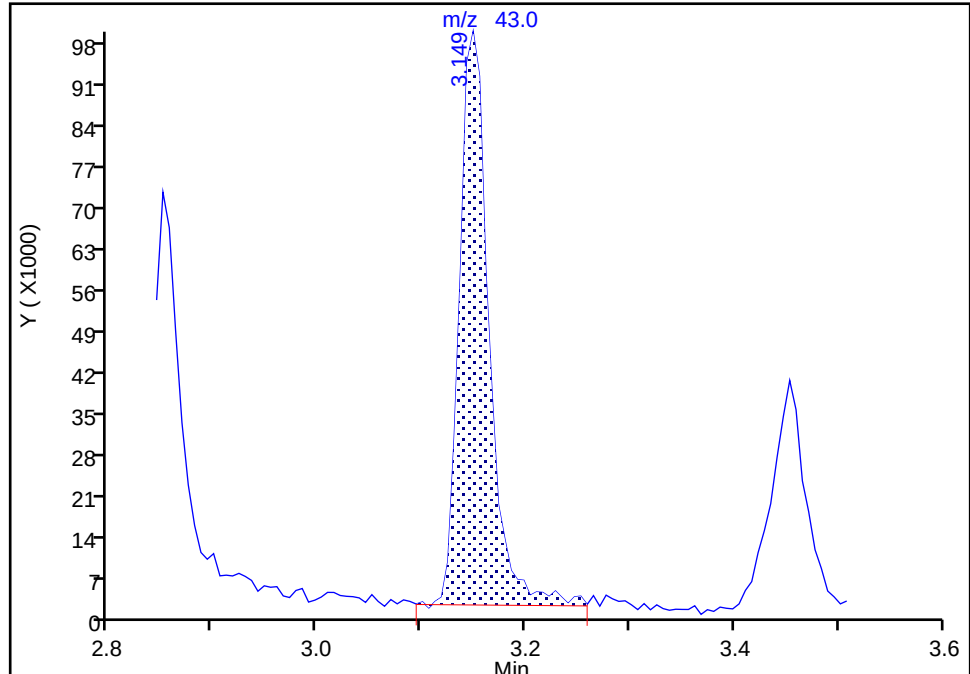
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2510.D
Injection Date: 20-Jun-2018 15:24:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

27 Methyl acetate, CAS: 79-20-9

Signal: 1

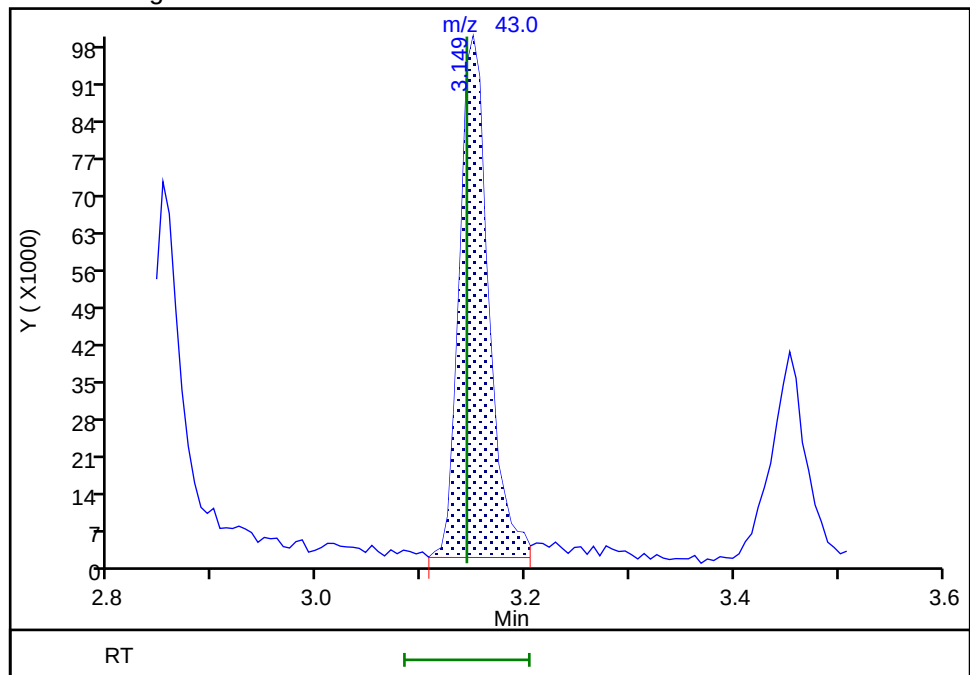
RT: 3.15
Area: 192902
Amount: 18.670750
Amount Units: ug/L

Processing Integration Results



RT: 3.15
Area: 190812
Amount: 18.491841
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:29:54
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2510.D

Injection Date: 20-Jun-2018 15:24:30

Instrument ID: HP5973S

Lims ID: IC 4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

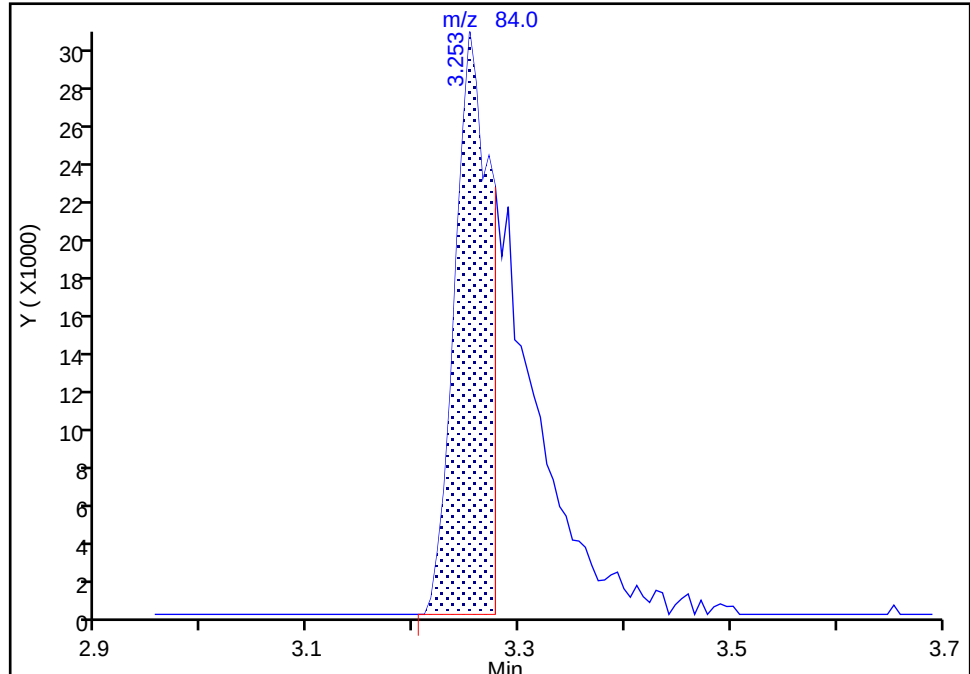
Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

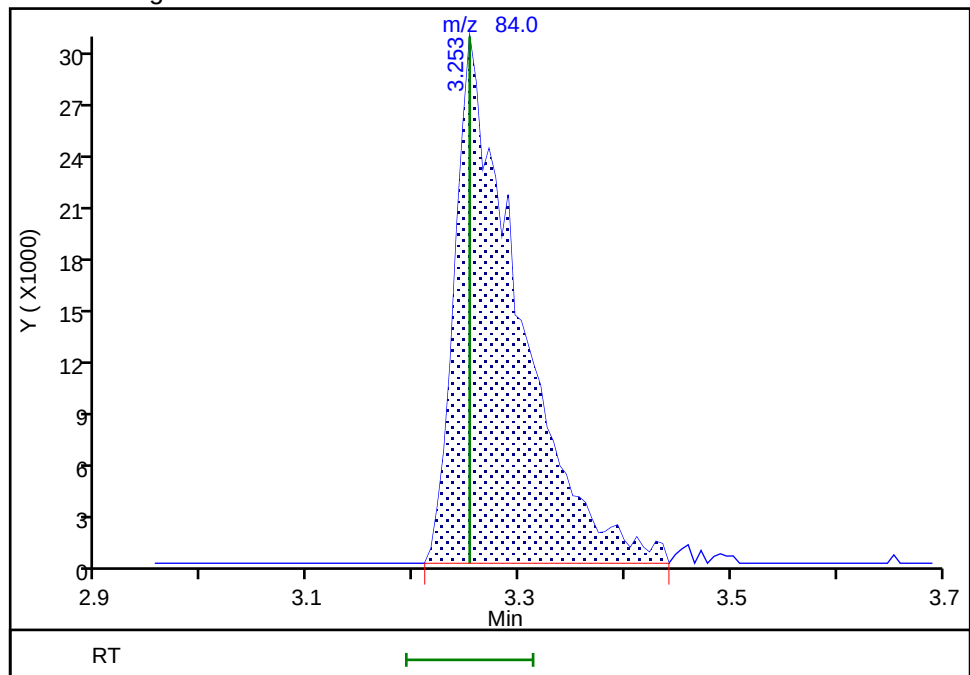
RT: 3.25
Area: 70355
Amount: 3.535941
Amount Units: ug/L

Processing Integration Results



RT: 3.25
Area: 127431
Amount: 9.654141
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:43:27

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

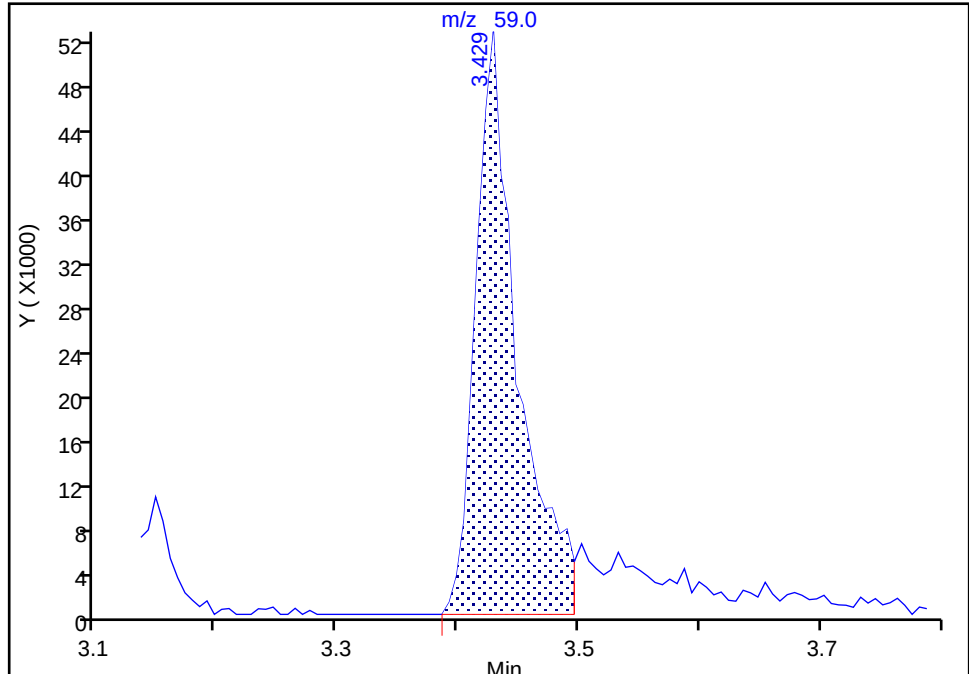
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2510.D
Injection Date: 20-Jun-2018 15:24:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

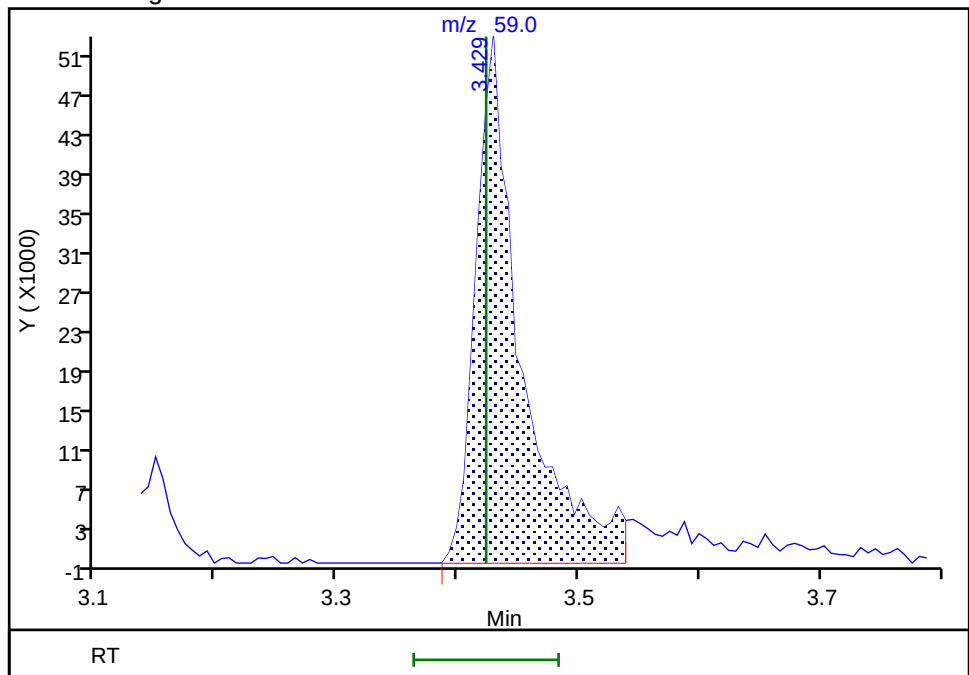
RT: 3.43
Area: 125953
Amount: 105.2771
Amount Units: ug/L

Processing Integration Results



RT: 3.43
Area: 137981
Amount: 103.6085
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:50:37
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

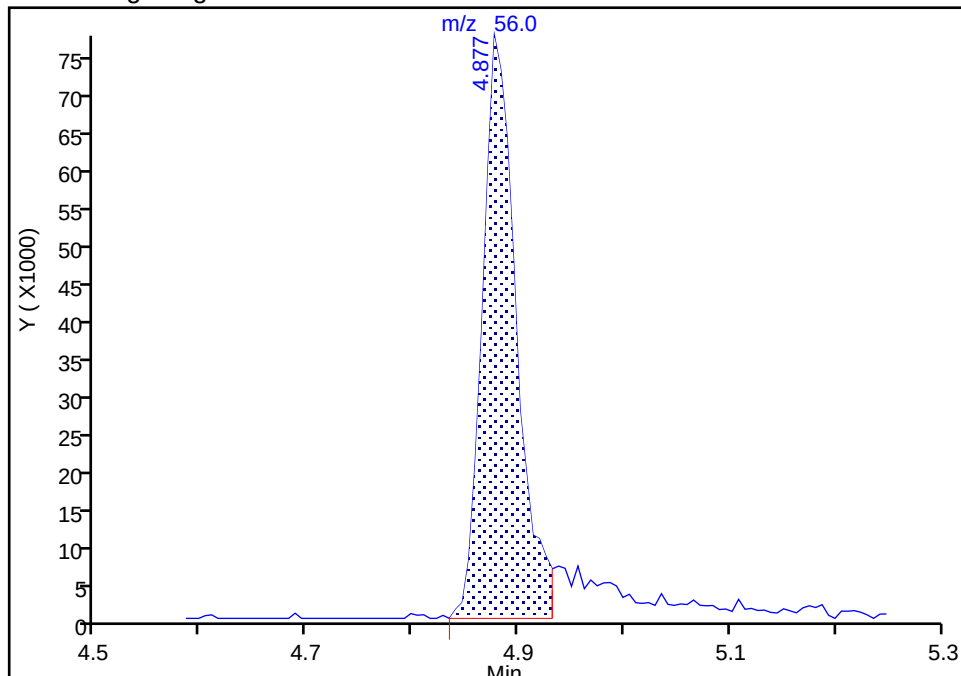
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2510.D
Injection Date: 20-Jun-2018 15:24:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH/ZV ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

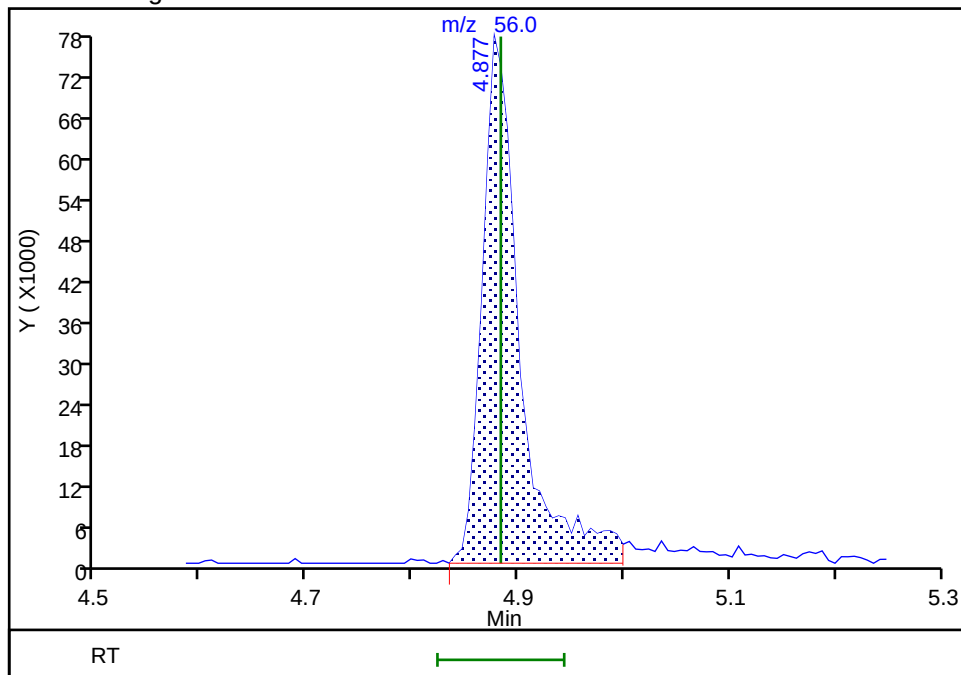
RT: 4.88
Area: 172484
Amount: 9.184054
Amount Units: ug/L

Processing Integration Results



RT: 4.88
Area: 192312
Amount: 10.106438
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:30:39

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2510.D

Injection Date: 20-Jun-2018 15:24:30

Instrument ID: HP5973S

Lims ID: IC 4

Client ID:

Operator ID: LH/ZV

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

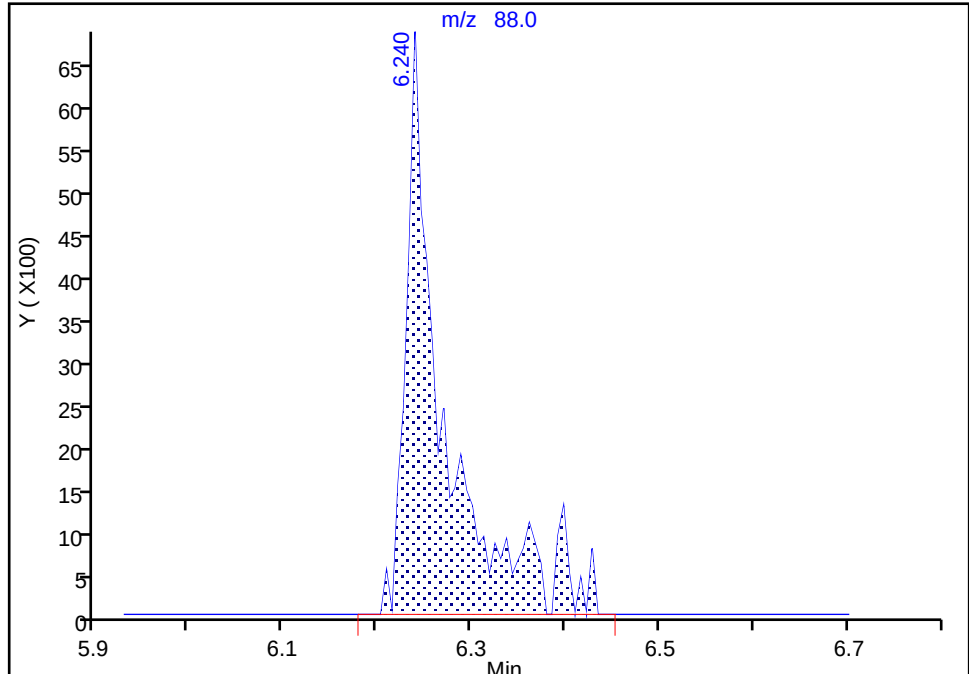
MS SCAN

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

Signal: 1

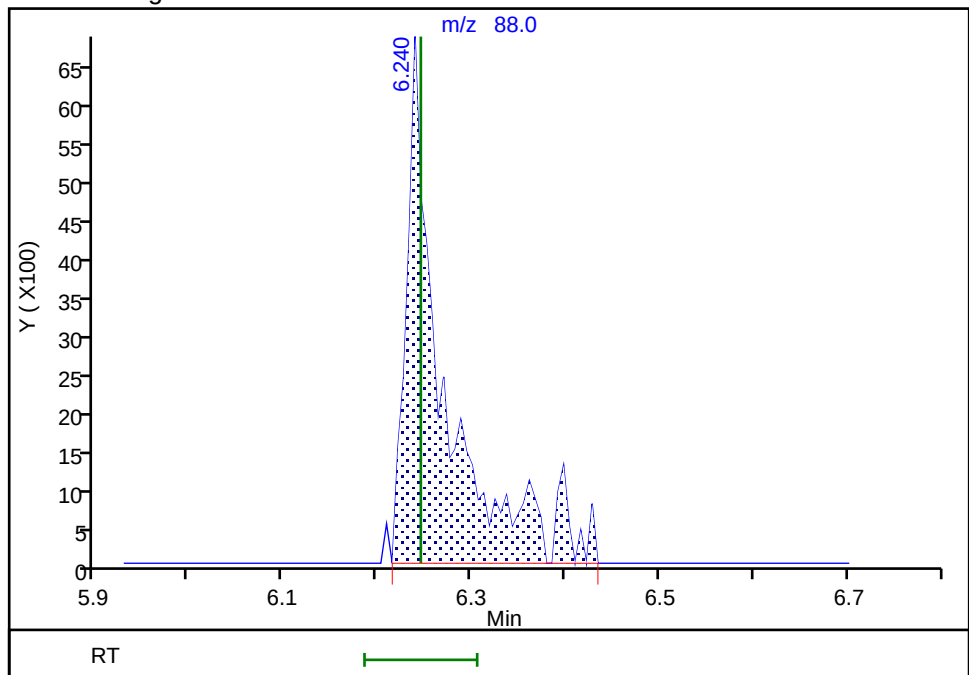
RT: 6.24
Area: 18966
Amount: 219.4414
Amount Units: ug/L

Processing Integration Results



RT: 6.24
Area: 18780
Amount: 217.5811
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:31:28

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2511.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 20-Jun-2018 15:48:30 ALS Bottle#: 8 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0072482-010
 Operator ID: LH/ZV Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Jun-2018 14:26:00 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: nowakk

Date: 20-Jun-2018 20:39:57

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	5.510	5.510	0.000	99	197139	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	88	406209	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	56	365129	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.926	4.926	0.000	58	233776	25.0	24.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	0	156084	25.0	25.3	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	91	970258	25.0	24.5	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	89	303043	25.0	24.9	
10 Dichlorodifluoromethane	85	1.282	1.282	0.000	97	248186	25.0	26.1	
12 Chloromethane	50	1.464	1.464	0.000	97	380591	25.0	25.2	
13 Vinyl chloride	62	1.549	1.549	0.000	63	333324	25.0	24.9	
151 Butadiene	54	1.574	1.574	0.000	56	325163	25.0	23.2	
14 Bromomethane	94	1.872	1.872	0.000	89	172433	25.0	24.0	
15 Chloroethane	64	1.969	1.969	0.000	97	204270	25.0	25.2	
16 Dichlorofluoromethane	67	2.194	2.194	0.000	95	412155	25.0	23.2	
17 Trichlorofluoromethane	101	2.194	2.194	0.000	76	332653	25.0	26.2	
18 Ethyl ether	59	2.492	2.492	0.000	92	290892	25.0	25.7	
20 Acrolein	56	2.687	2.687	0.000	95	284078	125.0	131.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.705	2.705	0.000	68	184140	25.0	23.9	
22 1,1-Dichloroethene	96	2.730	2.730	0.000	90	229631	25.0	26.4	
23 Acetone	43	2.851	2.851	0.000	100	412424	125.0	108.7	
25 Iodomethane	142	2.894	2.894	0.000	98	347195	25.0	27.3	
26 Carbon disulfide	76	2.918	2.918	0.000	98	700429	25.0	25.2	
28 3-Chloro-1-propene	41	3.089	3.089	0.000	88	413143	25.0	24.5	
27 Methyl acetate	43	3.143	3.143	0.000	95	441430	50.0	44.3	
30 Methylene Chloride	84	3.253	3.253	0.000	97	284846	25.0	24.7	
31 2-Methyl-2-propanol	59	3.423	3.423	0.000	95	307003	250.0	238.9	M
32 Methyl tert-butyl ether	73	3.454	3.454	0.000	92	832097	25.0	25.5	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	95	255195	25.0	25.6	
33 Acrylonitrile	53	3.539	3.539	0.000	98	1323936	250.0	250.1	
35 Hexane	57	3.660	3.660	0.000	84	446557	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
39 1,1-Dichloroethane	63	3.892	3.892	0.000	96	523385	25.0	24.9	
37 Vinyl acetate	43	3.952	3.952	0.000	97	1230989	50.0	50.9	
44 2,2-Dichloropropane	77	4.415	4.415	0.000	91	297960	25.0	25.6	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	83	298747	25.0	26.1	
43 2-Butanone (MEK)	43	4.494	4.494	0.000	94	717854	125.0	123.3	
48 Chlorobromomethane	128	4.695	4.695	0.000	96	146527	25.0	26.8	
49 Tetrahydrofuran	42	4.713	4.713	0.000	93	202767	50.0	50.7	
50 Chloroform	83	4.774	4.774	0.000	93	443774	25.0	24.2	
51 1,1,1-Trichloroethane	97	4.877	4.877	0.000	94	345970	25.0	25.3	
52 Cyclohexane	56	4.883	4.883	0.000	89	482758	25.0	26.3	
55 Carbon tetrachloride	117	5.011	5.011	0.000	89	300091	25.0	26.2	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	93	338452	25.0	24.3	
57 Benzene	78	5.236	5.236	0.000	96	1062500	25.0	25.4	
53 Isobutyl alcohol	43	5.266	5.266	0.000	94	329152	625.0	608.4	
58 1,2-Dichloroethane	62	5.315	5.315	0.000	79	415950	25.0	24.6	
59 n-Heptane	43	5.412	5.412	0.000	91	415475	25.0	24.3	
62 Trichloroethene	95	5.850	5.850	0.000	97	271489	25.0	25.2	
64 Methylcyclohexane	83	5.960	5.960	0.000	94	424498	25.0	25.8	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	95	311720	25.0	24.7	
67 Dibromomethane	93	6.234	6.234	0.000	94	168616	25.0	25.6	
66 1,4-Dioxane	88	6.246	6.246	0.000	29	46908	500.0	521.5	
68 Dichlorobromomethane	83	6.386	6.386	0.000	98	344167	25.0	27.1	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	88	225325	25.0	26.8	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	89	423733	25.0	26.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	94	1601823	125.0	123.5	
74 Toluene	92	7.085	7.085	0.000	94	659595	25.0	24.4	
77 trans-1,3-Dichloropropene	75	7.377	7.377	0.000	93	391909	25.0	26.3	
75 Ethyl methacrylate	69	7.414	7.414	0.000	87	383401	25.0	26.3	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	93	202209	25.0	24.9	
81 Tetrachloroethene	166	7.615	7.615	0.000	85	279490	25.0	24.5	
82 1,3-Dichloropropane	76	7.730	7.730	0.000	94	425777	25.0	24.8	
80 2-Hexanone	43	7.791	7.791	0.000	90	1170919	125.0	122.7	
83 Chlorodibromomethane	129	7.961	7.961	0.000	90	247163	25.0	26.7	
84 Ethylene Dibromide	107	8.071	8.071	0.000	97	252512	25.0	24.6	
87 Chlorobenzene	112	8.539	8.539	0.000	93	730835	25.0	24.7	
88 Ethylbenzene	91	8.631	8.631	0.000	99	1214363	25.0	25.0	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.643	0.000	57	246580	25.0	25.8	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	0	469623	25.0	23.7	
91 o-Xylene	106	9.178	9.178	0.000	97	471745	25.0	25.1	
92 Styrene	104	9.209	9.209	0.000	92	821536	25.0	25.5	
95 Bromoform	173	9.464	9.464	0.000	95	156408	25.0	26.5	
94 Isopropylbenzene	105	9.561	9.561	0.000	96	1180615	25.0	25.6	
101 Bromobenzene	156	9.908	9.908	0.000	97	304349	25.0	26.1	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	72	315135	25.0	25.2	
99 N-Propylbenzene	91	9.987	9.987	0.000	98	1379737	25.0	25.9	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	70	107926	25.0	26.2	
98 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	80	114077	25.0	25.6	
103 2-Chlorotoluene	126	10.091	10.091	0.000	96	288633	25.0	25.1	
102 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	83	1006297	25.0	25.2	
105 4-Chlorotoluene	126	10.200	10.200	0.000	96	309390	25.0	26.3	
106 tert-Butylbenzene	134	10.474	10.474	0.000	93	228134	25.0	26.8	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	76	1069434	25.0	26.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	94	1239742	25.0	25.9	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	96	1092636	25.0	26.5	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	73	573712	25.0	25.4	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	93	581426	25.0	25.2	
115 n-Butylbenzene	91	11.210	11.210	0.000	97	994221	25.0	26.8	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	93	559407	25.0	25.1	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	76	66108	25.0	27.2	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	92	411331	25.0	26.0	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	96	195098	25.0	25.8	
121 Naphthalene	128	12.877	12.877	0.000	97	1171879	25.0	27.1	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	94	393148	25.0	26.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128	Amount Added: 12.50	Units: uL	
GAS CORP mix_00287	Amount Added: 12.50	Units: uL	
S_8260_IS_00293	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00274	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180620-72482.b\\S2511.D

Injection Date: 20-Jun-2018 15:48:30

Instrument ID: HP5973S

Operator ID: LH/ZV

Lims ID: ICIS 5

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

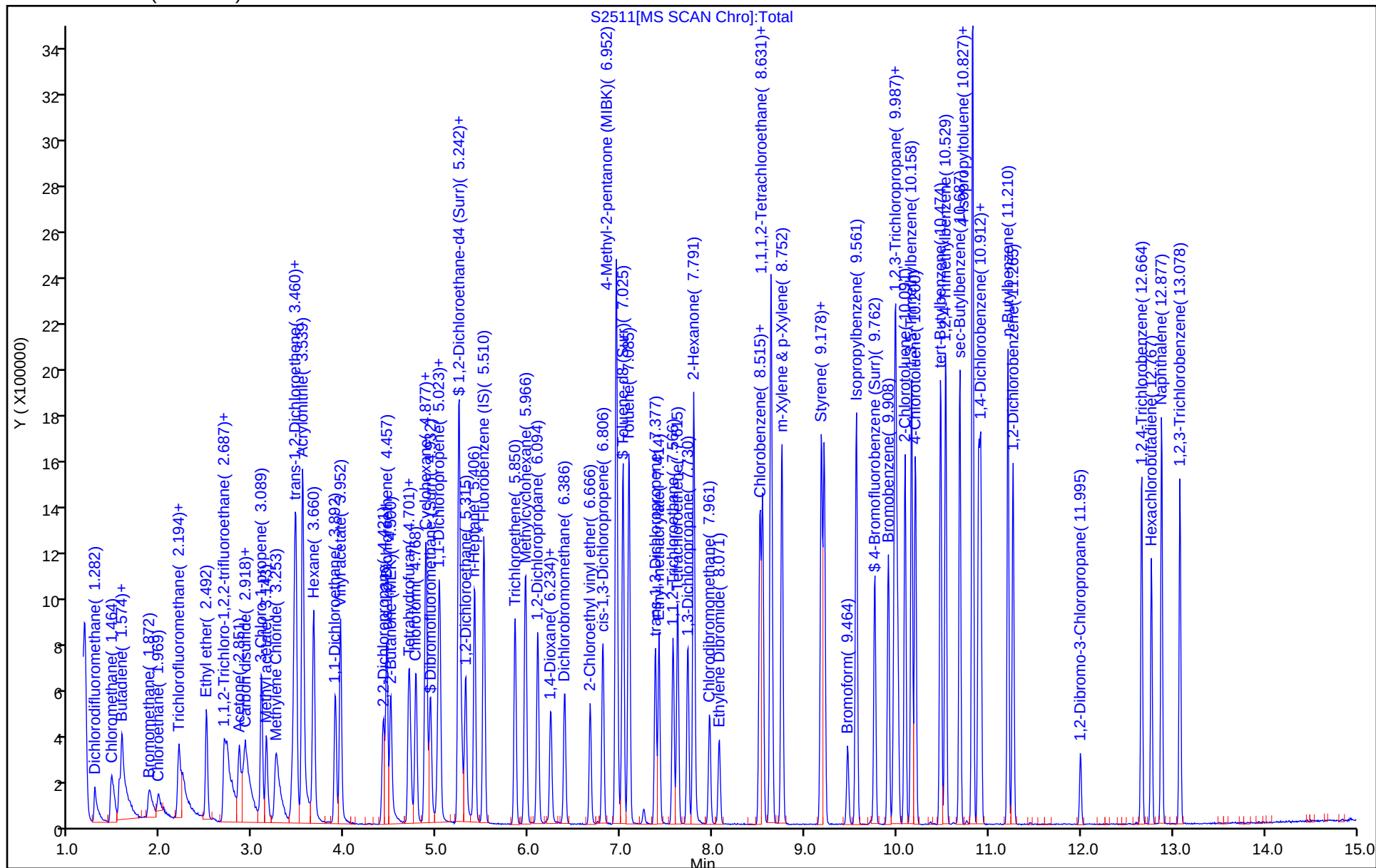
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

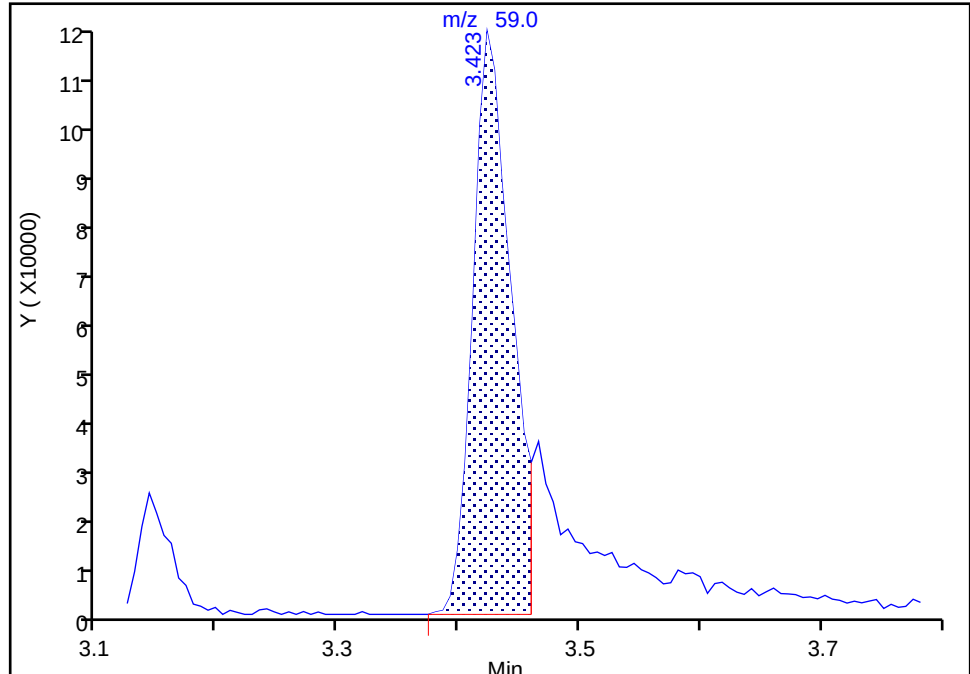
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2511.D
Injection Date: 20-Jun-2018 15:48:30 Instrument ID: HP5973S
Lims ID: ICIS 5
Client ID:
Operator ID: LH/ZV ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

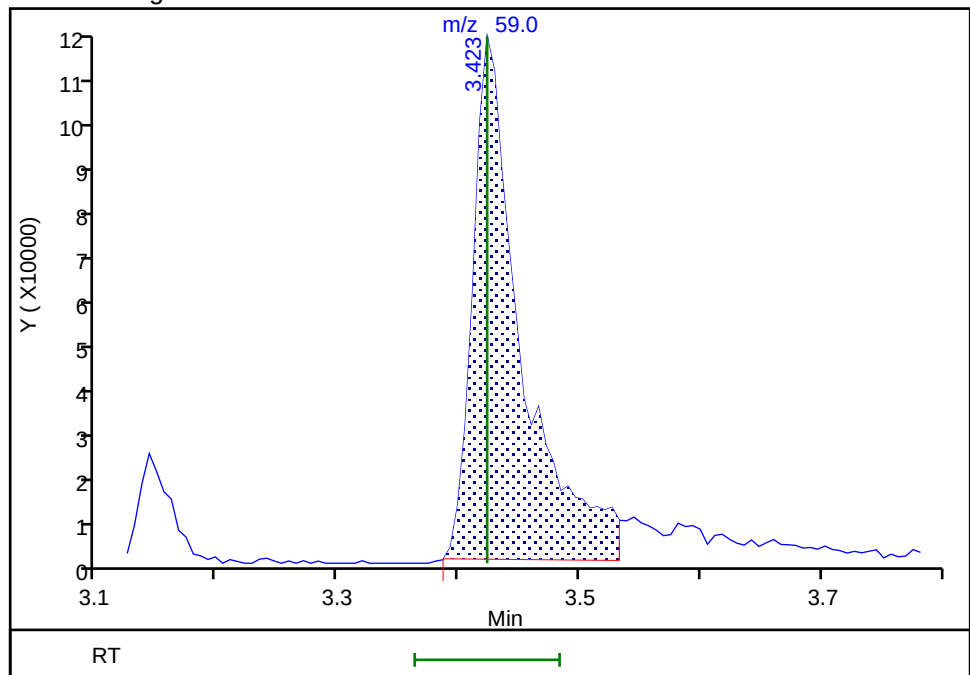
RT: 3.42
Area: 243993
Amount: 233.1605
Amount Units: ug/L

Processing Integration Results



RT: 3.42
Area: 307003
Amount: 238.8921
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:49:52
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2512.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 20-Jun-2018 16:11:30 ALS Bottle#: 9 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0072482-011
 Operator ID: LH/ZV Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Jun-2018 14:26:07 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: nowakk

Date: 20-Jun-2018 20:20:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	192452	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	87	394691	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	42	371185	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	56	244934	25.0	26.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.236	5.242	-0.006	0	158160	25.0	26.2	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	89	970429	25.0	25.2	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	89	302035	25.0	25.6	
10 Dichlorodifluoromethane	85	1.282	1.282	0.000	99	556127	50.0	60.0	
12 Chloromethane	50	1.458	1.464	-0.006	99	752596	50.0	51.1	
13 Vinyl chloride	62	1.543	1.549	-0.006	93	722212	50.0	55.2	
151 Butadiene	54	1.574	1.574	0.000	86	714525	50.0	52.3	
14 Bromomethane	94	1.878	1.872	0.006	88	360223	50.0	51.3	
15 Chloroethane	64	1.969	1.969	0.000	99	423584	50.0	53.5	
17 Trichlorofluoromethane	101	2.188	2.194	-0.006	81	736903	50.0	59.4	M
16 Dichlorofluoromethane	67	2.194	2.194	0.000	96	843653	50.0	48.6	
18 Ethyl ether	59	2.492	2.492	0.000	92	596459	50.0	54.1	
20 Acrolein	56	2.681	2.687	-0.006	96	575962	250.0	272.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.699	2.705	-0.006	65	364156	50.0	48.0	M
22 1,1-Dichloroethene	96	2.717	2.730	-0.013	95	465301	50.0	54.7	
23 Acetone	43	2.845	2.851	-0.006	97	904483	250.0	244.3	
25 Iodomethane	142	2.894	2.894	0.000	97	730136	50.0	58.7	
26 Carbon disulfide	76	2.918	2.918	0.000	98	1472959	50.0	54.4	
28 3-Chloro-1-propene	41	3.088	3.089	0.000	88	844115	50.0	51.2	
27 Methyl acetate	43	3.143	3.143	0.000	95	983740	100.0	101.2	
30 Methylene Chloride	84	3.253	3.253	0.000	98	551561	50.0	50.8	
31 2-Methyl-2-propanol	59	3.423	3.423	0.000	94	680866	500.0	542.7	
32 Methyl tert-butyl ether	73	3.453	3.454	-0.001	92	1670515	50.0	52.4	
34 trans-1,2-Dichloroethene	96	3.466	3.472	-0.006	93	508786	50.0	52.3	
33 Acrylonitrile	53	3.539	3.539	0.000	98	2745107	500.0	531.3	
35 Hexane	57	3.660	3.660	0.000	83	940801	50.0	52.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.891	3.892	-0.001	97	1069251	50.0	52.2	
37 Vinyl acetate	43	3.952	3.952	0.000	97	2352331	100.0	99.5	
44 2,2-Dichloropropane	77	4.415	4.415	0.000	92	592229	50.0	52.1	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	84	596033	50.0	53.3	
43 2-Butanone (MEK)	43	4.494	4.494	0.000	94	1439504	250.0	253.2	
48 Chlorobromomethane	128	4.695	4.695	0.000	97	285479	50.0	53.4	
49 Tetrahydrofuran	42	4.707	4.713	-0.006	90	387841	100.0	99.3	
50 Chloroform	83	4.768	4.774	-0.006	94	907363	50.0	50.7	
51 1,1,1-Trichloroethane	97	4.877	4.877	0.000	95	716429	50.0	53.8	
52 Cyclohexane	56	4.883	4.883	0.000	91	997545	50.0	55.6	
55 Carbon tetrachloride	117	5.017	5.011	0.006	92	637175	50.0	57.1	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	94	714312	50.0	52.6	
57 Benzene	78	5.236	5.236	0.000	97	2128022	50.0	52.1	
53 Isobutyl alcohol	43	5.266	5.266	0.000	97	721955	1250.0	1367.0	
58 1,2-Dichloroethane	62	5.309	5.315	-0.006	79	838833	50.0	50.9	
59 n-Heptane	43	5.406	5.412	-0.006	91	829266	50.0	49.7	
62 Trichloroethene	95	5.850	5.850	0.000	97	545392	50.0	51.8	
64 Methylcyclohexane	83	5.960	5.960	0.000	94	895898	50.0	55.9	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	97	642638	50.0	52.2	
67 Dibromomethane	93	6.234	6.234	0.000	91	338999	50.0	52.7	
66 1,4-Dioxane	88	6.240	6.246	-0.006	33	91625	1000.0	1034.9	
68 Dichlorobromomethane	83	6.386	6.386	0.000	98	708669	50.0	57.2	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	91	451891	50.0	55.0	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	90	863532	50.0	55.5	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	94	3068632	250.0	243.5	
74 Toluene	92	7.085	7.085	0.000	95	1345091	50.0	51.3	
77 trans-1,3-Dichloropropene	75	7.377	7.377	0.000	95	800744	50.0	55.4	
75 Ethyl methacrylate	69	7.414	7.414	0.000	86	758693	50.0	53.5	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	92	408565	50.0	51.7	
81 Tetrachloroethene	166	7.615	7.615	0.000	87	580239	50.0	52.4	
82 1,3-Dichloropropane	76	7.730	7.730	0.000	92	866770	50.0	52.0	
80 2-Hexanone	43	7.791	7.791	0.000	90	2254226	250.0	243.0	
83 Chlorodibromomethane	129	7.967	7.961	0.006	90	515833	50.0	57.4	
84 Ethylene Dibromide	107	8.071	8.071	0.000	100	508600	50.0	51.1	
87 Chlorobenzene	112	8.539	8.539	0.000	92	1474031	50.0	51.3	
88 Ethylbenzene	91	8.631	8.631	0.000	98	2446781	50.0	51.7	
89 1,1,1,2-Tetrachloroethane	131	8.637	8.643	-0.006	48	510400	50.0	54.9	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	0	969691	50.0	50.4	
91 o-Xylene	106	9.178	9.178	0.000	97	960148	50.0	52.6	
92 Styrene	104	9.209	9.209	0.000	94	1666910	50.0	53.2	
95 Bromoform	173	9.464	9.464	0.000	97	339740	50.0	59.2	
94 Isopropylbenzene	105	9.561	9.561	0.000	96	2412885	50.0	51.6	
101 Bromobenzene	156	9.908	9.908	0.000	95	604551	50.0	51.1	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	75	630975	50.0	49.6	
99 N-Propylbenzene	91	9.987	9.987	0.000	99	2782295	50.0	51.3	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	69	221749	50.0	53.0	
98 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	80	231344	50.0	50.4	
103 2-Chlorotoluene	126	10.091	10.091	0.000	96	577783	50.0	49.5	
102 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	85	2040375	50.0	50.3	
105 4-Chlorotoluene	126	10.200	10.200	0.000	96	620467	50.0	51.9	
106 tert-Butylbenzene	134	10.480	10.474	0.006	93	469785	50.0	54.3	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	77	2132089	50.0	51.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	94	2510799	50.0	51.6	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	73	1163942	50.0	50.6	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	96	2224584	50.0	53.1	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	93	1170382	50.0	49.9	
115 n-Butylbenzene	91	11.210	11.210	0.000	97	1968301	50.0	52.1	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	92	1131910	50.0	50.0	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	82	138297	50.0	56.1	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	94	859177	50.0	53.3	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	96	404793	50.0	52.6	
121 Naphthalene	128	12.877	12.877	0.000	97	2369399	50.0	53.8	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	95	796689	50.0	53.6	
S 123 Total BTEX	1				0			258.1	
S 125 1,2-Dichloroethene, Total	1				0			105.6	
S 124 Xylenes, Total	1				0			103.0	
S 126 1,3-Dichloropropene, Total	1				0			110.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 25.00

Units: uL

GAS CORP mix_00287

Amount Added: 25.00

Units: uL

S_8260_IS_00293

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00274

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180620-72482.b\\S2512.D

Injection Date: 20-Jun-2018 16:11:30

Instrument ID: HP5973S

Operator ID: LH/ZV

Lims ID: IC 6

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

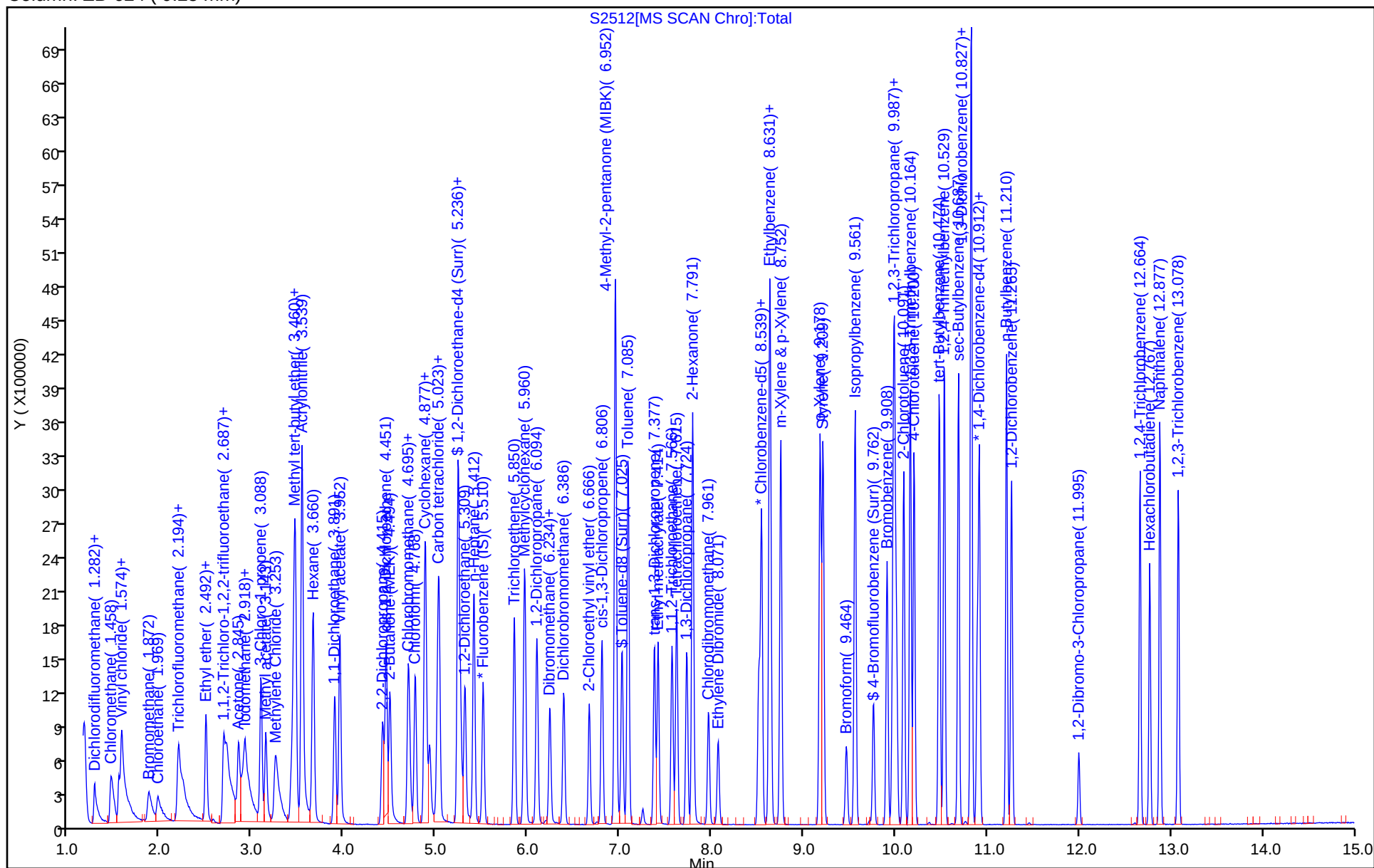
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

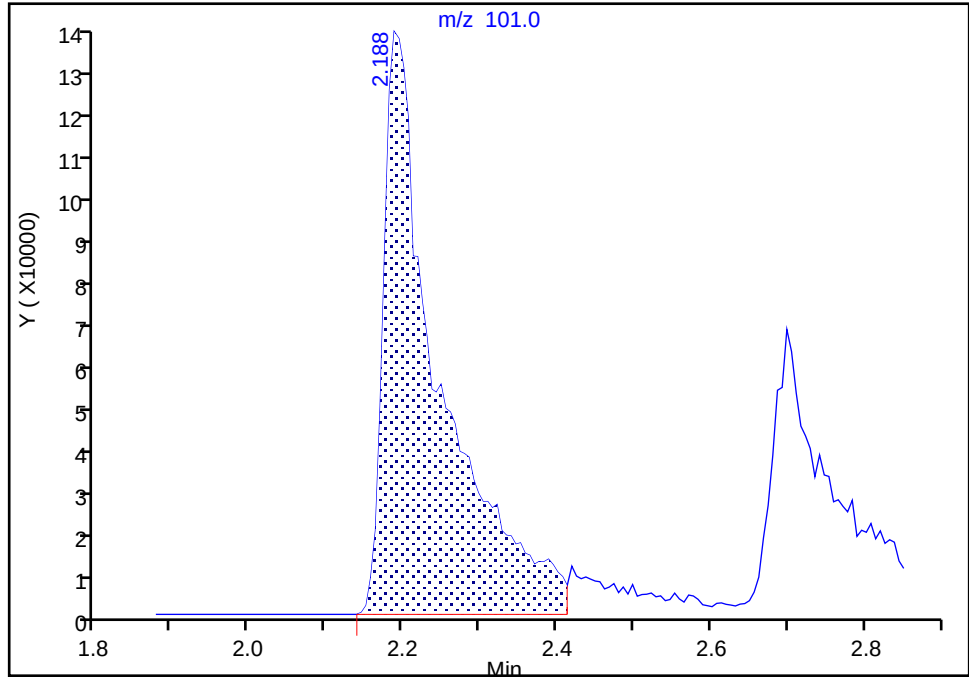
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Injection Date: 20-Jun-2018 16:11:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: LH/ZV ALS Bottle#: 9 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

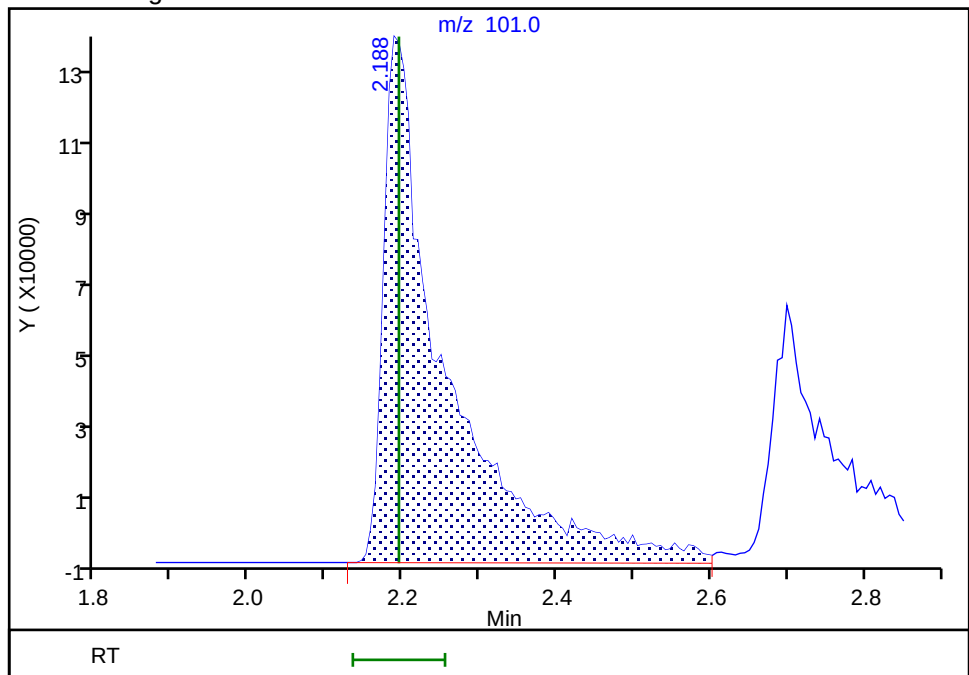
RT: 2.19
Area: 674194
Amount: 50.268036
Amount Units: ug/L

Processing Integration Results



RT: 2.19
Area: 736903
Amount: 59.400714
Amount Units: ug/L

Manual Integration Results



Reviewer: nowakk, 20-Jun-2018 23:01:35
Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Buffalo

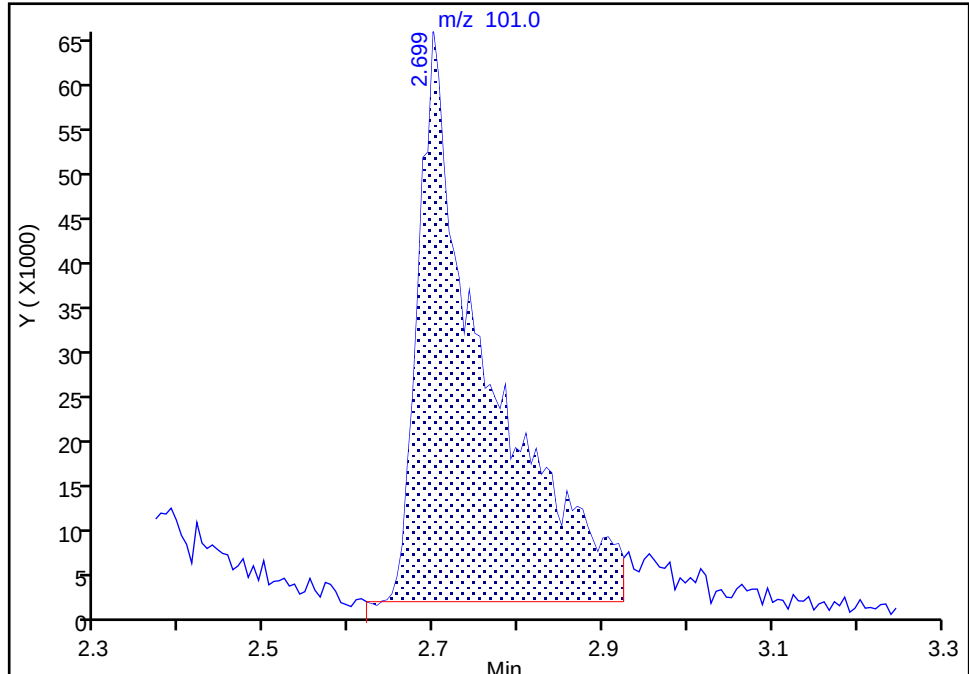
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Injection Date: 20-Jun-2018 16:11:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: LH/ZV ALS Bottle#: 9 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

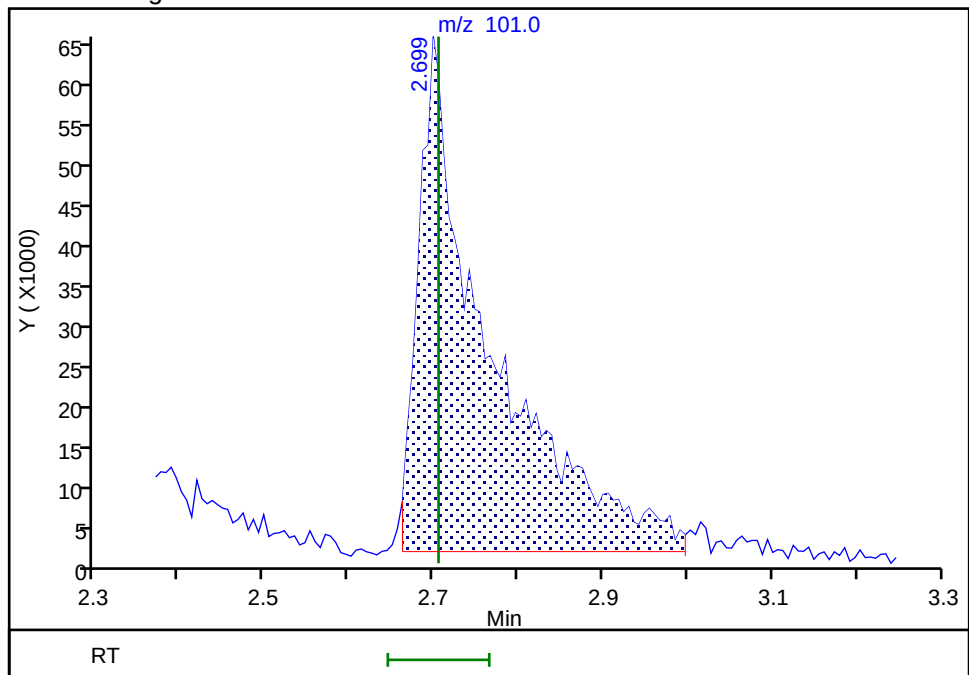
RT: 2.70
Area: 349411
Amount: 45.201404
Amount Units: ug/L

Processing Integration Results



RT: 2.70
Area: 364156
Amount: 47.992777
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:33:16
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2513.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 20-Jun-2018 16:34:30 ALS Bottle#: 10 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0072482-012
 Operator ID: LH/ZV Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Jun-2018 14:26:11 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: nowakk

Date: 20-Jun-2018 19:35:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	203954	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	88	404509	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	17	376772	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.926	0.006	57	247091	25.0	25.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	0	152101	25.0	23.8	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	64	969583	25.0	24.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	90	306600	25.0	25.3	
10 Dichlorodifluoromethane	85	1.282	1.282	0.000	98	1042243	100.0	106.1	M
12 Chloromethane	50	1.464	1.464	0.000	99	1481396	100.0	94.9	
13 Vinyl chloride	62	1.543	1.549	-0.006	82	1374584	100.0	99.1	
151 Butadiene	54	1.574	1.574	0.000	82	1368549	100.0	94.6	
14 Bromomethane	94	1.878	1.872	0.006	91	712144	100.0	95.8	
15 Chloroethane	64	1.969	1.969	0.000	99	830061	100.0	98.8	
16 Dichlorofluoromethane	67	2.194	2.194	0.000	96	1716432	100.0	93.3	
17 Trichlorofluoromethane	101	2.188	2.194	-0.006	85	1437497	100.0	109.3	
18 Ethyl ether	59	2.492	2.492	0.000	92	1181934	100.0	101.1	
20 Acrolein	56	2.687	2.687	0.000	98	1162249	500.0	518.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.699	2.705	-0.006	59	822020	100.0	101.8	M
22 1,1-Dichloroethene	96	2.724	2.730	-0.006	94	990419	100.0	109.9	
23 Acetone	43	2.845	2.851	-0.006	98	1835772	500.0	467.8	
25 Iodomethane	142	2.894	2.894	0.000	98	1547832	100.0	117.5	
26 Carbon disulfide	76	2.918	2.918	0.000	98	3032330	100.0	105.6	
28 3-Chloro-1-propene	41	3.095	3.089	0.007	89	1733446	100.0	99.2	
27 Methyl acetate	43	3.143	3.143	0.000	95	1983551	200.0	192.5	
30 Methylene Chloride	84	3.253	3.253	0.000	96	1126336	100.0	99.6	
31 2-Methyl-2-propanol	59	3.423	3.423	0.000	96	1598960	1000.0	1202.6	
32 Methyl tert-butyl ether	73	3.454	3.454	0.000	91	3395940	100.0	100.6	
34 trans-1,2-Dichloroethene	96	3.466	3.472	-0.006	92	1050113	100.0	101.9	
33 Acrylonitrile	53	3.539	3.539	0.000	97	5416558	1000.0	989.2	
35 Hexane	57	3.660	3.660	0.000	87	1983165	100.0	104.3	

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	3.892	3.892	0.000	97	2191279	100.0	100.9	
37 Vinyl acetate	43	3.952	3.952	0.000	97	4622714	200.0	184.6	
44 2,2-Dichloropropane	77	4.415	4.415	0.000	91	1257016	100.0	104.4	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	84	1225447	100.0	103.4	
43 2-Butanone (MEK)	43	4.494	4.494	0.000	95	3041661	500.0	504.8	
48 Chlorobromomethane	128	4.695	4.695	0.000	98	585187	100.0	103.4	
49 Tetrahydrofuran	42	4.707	4.713	-0.006	87	822605	200.0	198.7	
50 Chloroform	83	4.774	4.774	0.000	93	1854730	100.0	97.9	
51 1,1,1-Trichloroethane	97	4.877	4.877	0.000	93	1501541	100.0	106.3	
52 Cyclohexane	56	4.877	4.883	-0.006	91	2165602	100.0	114.0	
55 Carbon tetrachloride	117	5.017	5.011	0.006	89	1320508	100.0	111.6	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	94	1495256	100.0	103.9	
57 Benzene	78	5.236	5.236	0.000	98	4301395	100.0	99.4	
53 Isobutyl alcohol	43	5.266	5.266	0.000	95	1557611	2500.0	2783.0	
58 1,2-Dichloroethane	62	5.309	5.315	-0.006	83	1702374	100.0	97.4	
59 n-Heptane	43	5.406	5.412	-0.006	91	1743611	100.0	98.6	
62 Trichloroethene	95	5.850	5.850	0.000	97	1155378	100.0	103.5	
64 Methylcyclohexane	83	5.960	5.960	0.000	93	1857834	100.0	109.3	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	97	1287446	100.0	98.6	
67 Dibromomethane	93	6.234	6.234	0.000	90	708426	100.0	104.0	
66 1,4-Dioxane	88	6.240	6.246	-0.006	35	176888	2000.0	1937.7	
68 Dichlorobromomethane	83	6.386	6.386	0.000	99	1480734	100.0	112.8	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	91	926261	100.0	106.3	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	91	1778596	100.0	107.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	91	5759555	500.0	446.0	
74 Toluene	92	7.092	7.085	0.007	97	2760907	100.0	102.7	
77 trans-1,3-Dichloropropene	75	7.377	7.377	0.000	94	1691433	100.0	114.2	
75 Ethyl methacrylate	69	7.414	7.414	0.000	86	1589664	100.0	109.5	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	94	844173	100.0	104.2	
81 Tetrachloroethene	166	7.621	7.615	0.006	85	1184748	100.0	104.3	
82 1,3-Dichloropropane	76	7.730	7.730	0.000	93	1776603	100.0	104.0	
80 2-Hexanone	43	7.791	7.791	0.000	87	4341846	500.0	456.8	
83 Chlorodibromomethane	129	7.968	7.961	0.007	91	1120056	100.0	121.6	
84 Ethylene Dibromide	107	8.071	8.071	0.000	98	1055354	100.0	103.4	
87 Chlorobenzene	112	8.539	8.539	0.000	92	3001103	100.0	101.8	
88 Ethylbenzene	91	8.631	8.631	0.000	98	4820637	100.0	99.5	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.643	0.000	57	1084784	100.0	113.8	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	0	2043355	100.0	103.6	
91 o-Xylene	106	9.178	9.178	0.000	97	1982170	100.0	105.9	
92 Styrene	104	9.209	9.209	0.000	94	3414832	100.0	106.3	
95 Bromoform	173	9.464	9.464	0.000	97	760638	100.0	129.3	
94 Isopropylbenzene	105	9.561	9.561	0.000	96	4783571	100.0	100.7	
101 Bromobenzene	156	9.908	9.908	0.000	96	1270447	100.0	105.7	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	80	1304499	100.0	101.1	
99 N-Propylbenzene	91	9.987	9.987	0.000	97	5345840	100.0	97.1	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	68	441615	100.0	103.9	
98 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	79	502274	100.0	107.2	
103 2-Chlorotoluene	126	10.091	10.091	0.000	96	1194322	100.0	100.8	
102 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	86	4068375	100.0	98.7	
105 4-Chlorotoluene	126	10.206	10.200	0.006	95	1278707	100.0	105.3	
106 tert-Butylbenzene	134	10.480	10.474	0.006	92	961000	100.0	109.4	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	77	4149841	100.0	98.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	95	4943148	100.0	100.0	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	95	4286221	100.0	100.8	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	74	2337298	100.0	100.1	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	92	2382476	100.0	100.1	
115 n-Butylbenzene	91	11.210	11.210	0.000	95	3893665	100.0	101.5	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	92	2277520	100.0	99.1	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	83	279459	100.0	111.6	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	95	1741646	100.0	106.5	
120 Hexachlorobutadiene	225	12.768	12.767	0.001	96	853596	100.0	109.2	
121 Naphthalene	128	12.877	12.877	0.000	98	4593666	100.0	102.8	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	96	1662277	100.0	110.3	
S 124 Xylenes, Total	1				0			209.6	
S 126 1,3-Dichloropropene, Total	1				0			222.0	
S 123 Total BTEX	1				0			511.1	
S 125 1,2-Dichloroethene, Total	1				0			205.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 50.00

Units: uL

GAS CORP mix_00287

Amount Added: 50.00

Units: uL

S_8260_IS_00293

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00274

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180620-72482.b\\S2513.D

Injection Date: 20-Jun-2018 16:34:30

Instrument ID: HP5973S

Operator ID: LH/ZV

Lims ID: IC 7

Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL

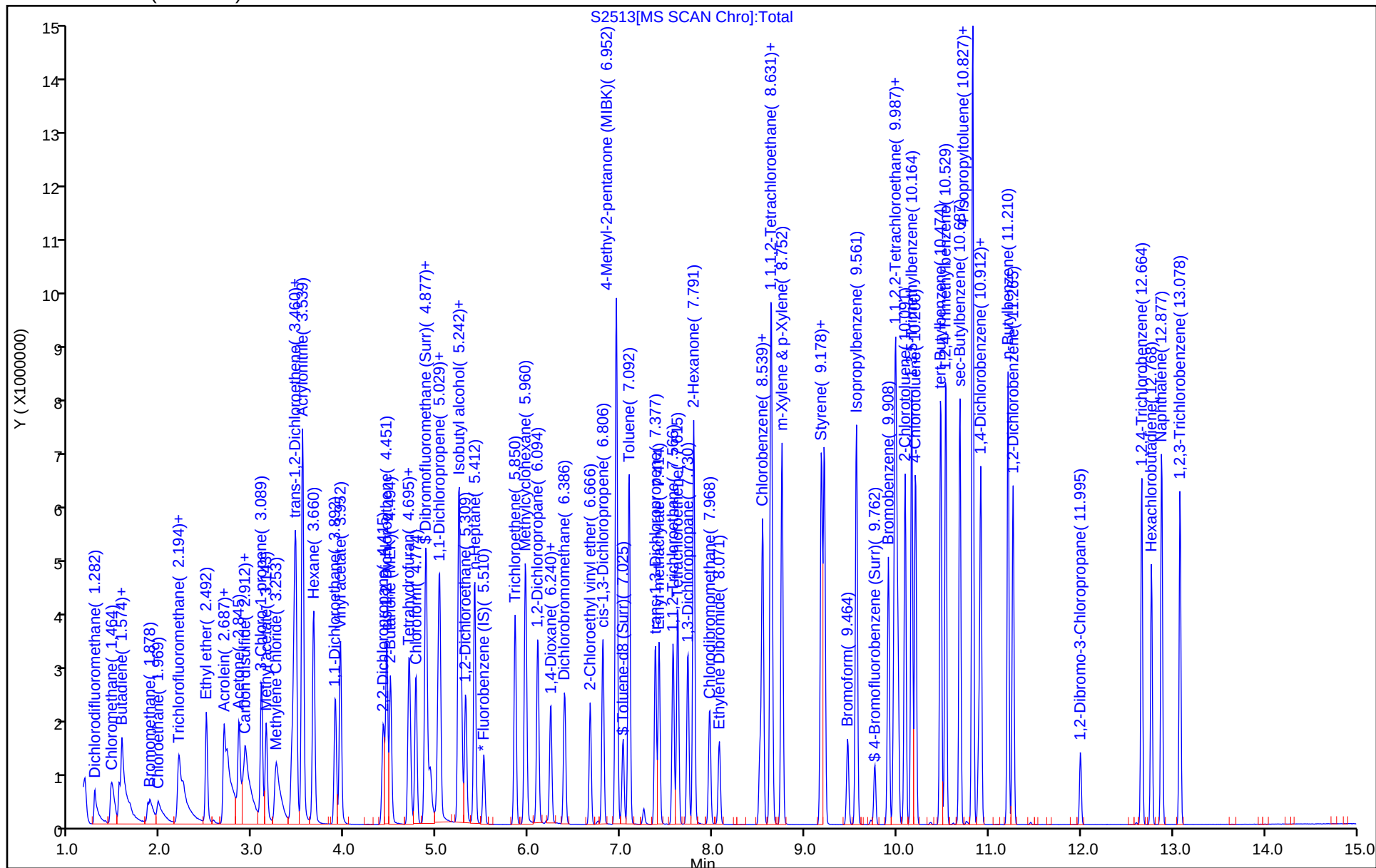
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2513.D

Injection Date: 20-Jun-2018 16:34:30

Instrument ID: HP5973S

Lims ID: IC 7

Client ID:

Operator ID: LH/ZV

ALS Bottle#: 10

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

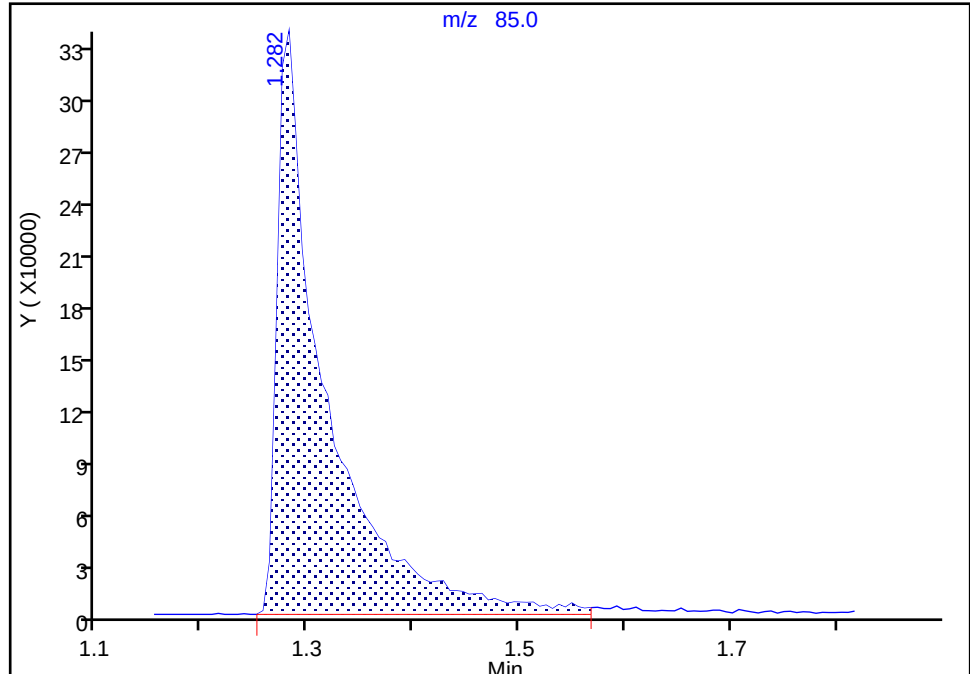
Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

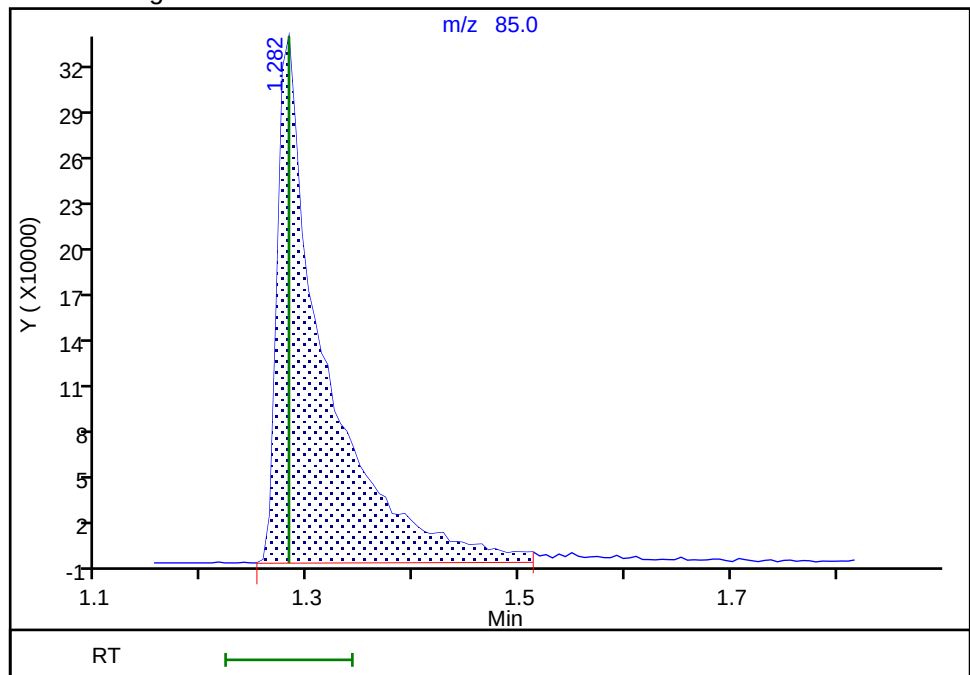
RT: 1.28
Area: 1058190
Amount: 97.253184
Amount Units: ug/L

Processing Integration Results



RT: 1.28
Area: 1042243
Amount: 106.0994
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 13:50:38

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2513.D

Injection Date: 20-Jun-2018 16:34:30

Instrument ID: HP5973S

Lims ID: IC 7

Client ID:

Operator ID: LH/ZV

ALS Bottle#: 10

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

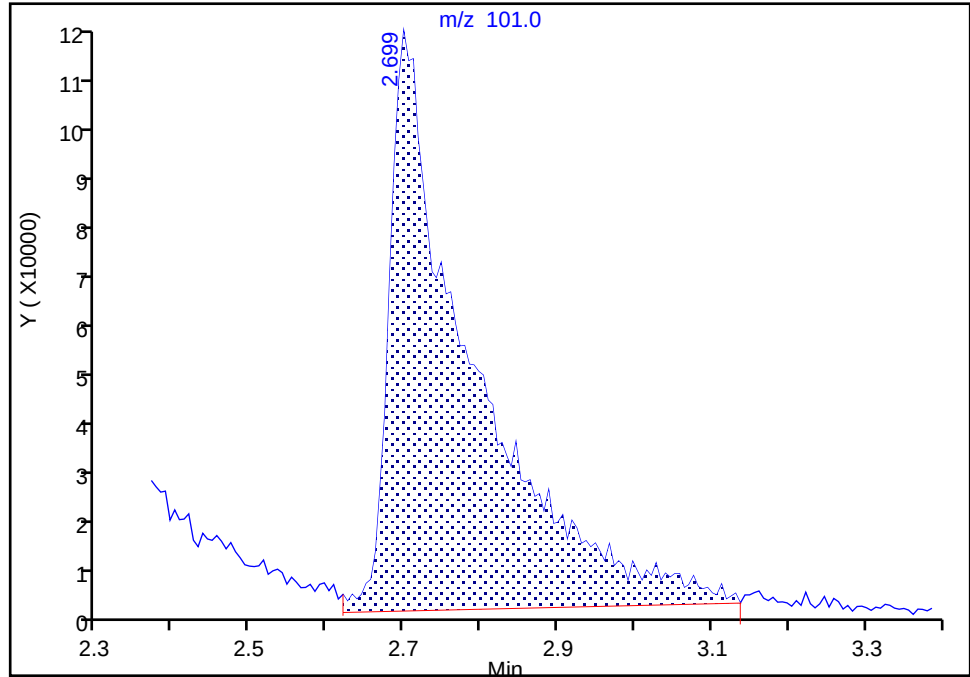
Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

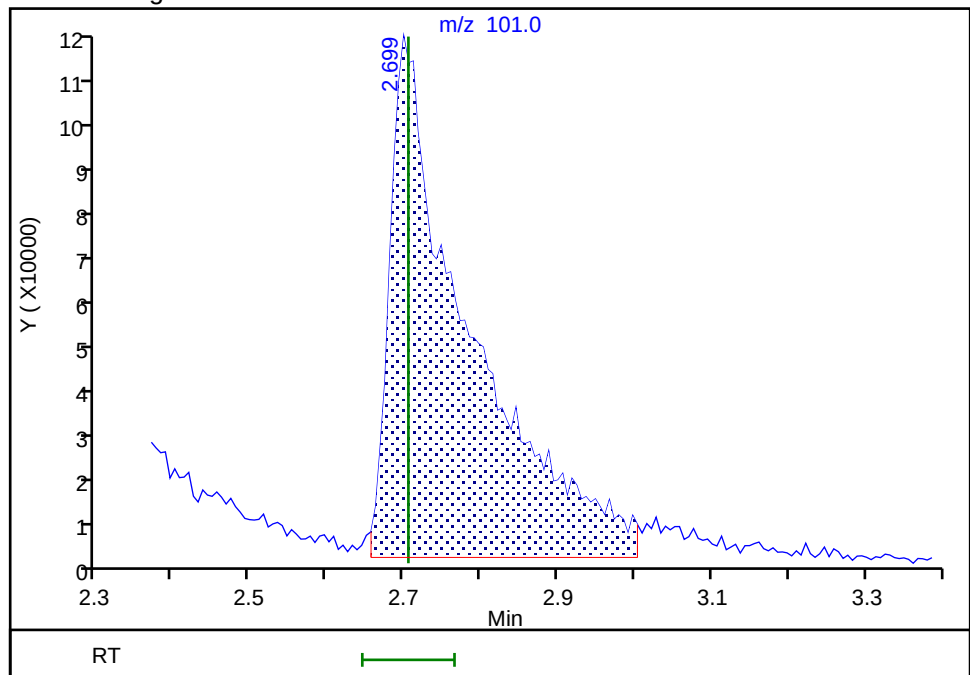
RT: 2.70
Area: 865473
Amount: 103.9221
Amount Units: ug/L

Processing Integration Results



RT: 2.70
Area: 822020
Amount: 101.8067
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 21-Jun-2018 12:38:32

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 425337

SDG No.: _____

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

Calibration Start Date: 07/19/2018 17:02 Calibration End Date: 07/19/2018 19:45 Calibration ID: 34374

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-425337/6	S3707.D
Level 2	IC 480-425337/7	S3708.D
Level 3	IC 480-425337/8	S3709.D
Level 4	IC 480-425337/9	S3710.D
Level 5	IC 480-425337/10	S3711.D
Level 6	ICIS 480-425337/11	S3712.D
Level 7	IC 480-425337/12	S3713.D
Level 8	IC 480-425337/13	S3714.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	+++++	1.0303	1.1096	1.4526	1.4854	Ave		1.3068			0.1000	14.3		20.0			
	1.2224	1.3670	1.4806														
Chloromethane	2.1295	2.2550	2.2348	2.3356	2.2964	Ave		2.1484			0.1000	7.5		20.0			
	1.8742	1.9989	2.0626														
Vinyl chloride	1.6570	1.7519	1.7079	1.7875	1.7611	Ave		1.6834			0.1000	6.6		20.0			
	1.4589	1.5933	1.7496														
Butadiene	+++++	1.5620	1.7044	2.1152	2.0027	Ave		1.8139				11.1		20.0			
	1.6464	1.7477	1.9187														
Bromomethane	+++++	1.1278	0.9930	1.0606	0.9421	Ave		0.9606			0.1000	12.7		20.0			
	0.7453	0.8984	0.9567														
Chloroethane	+++++	0.7125	0.8886	1.1197	1.0157	Ave		0.9430			0.1000	14.2		20.0			
	0.8723	0.9464	1.0454														
Trichlorofluoromethane	+++++	1.2802	1.6486	1.9199	1.8311	Ave		1.6697			0.1000	13.8		20.0			
	1.5256	1.5912	1.8916														
Dichlorofluoromethane	+++++	2.2225	2.0837	2.3873	2.2525	Ave		2.1705				6.7		20.0			
	1.9298	2.1076	2.2100														
Ethyl ether	1.3686	1.3331	1.3093	1.5675	1.5730	Ave		1.4286				7.9		20.0			
	1.3112	1.4567	1.5094														
Acrolein	+++++	0.2476	0.2268	0.2000	0.2153	Ave		0.2337				9.7		20.0			
	0.2406	0.2357	0.2701														
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++	0.7320	0.9130	1.2434	1.1849	Ave		1.0437			0.1000	16.6		20.0			
	1.0405	1.0795	1.1127														
1,1-Dichloroethene	+++++	0.8148	1.2114	1.2281	1.1632	Ave		1.1287			0.1000	14.4		20.0			
	1.0154	1.1771	1.2911														
Acetone	+++++	0.5287	0.5554	0.4787	0.5761	Ave		0.5498			0.1000	6.7		20.0			
	0.5899	0.5570	0.5625														
Iodomethane	+++++	1.5771	1.5241	1.6901	1.8316	Ave		1.6963				10.2		20.0			
	1.5078	1.7672	1.9763														

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.: 480-138781-1 Analy Batch No.: 425337
SDG No.: _____
Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/19/2018 17:02 Calibration End Date: 07/19/2018 19:45 Calibration ID: 34374

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	++++ 2.9875	2.9020 3.3479	3.3117 3.6930	3.7476	3.5699	Ave		3.3657			0.1000	9.8		20.0			
Allyl chloride	++++ 1.8797	2.0092 2.1981	1.9166 2.3206	2.1698	2.1585	Ave		2.0932				7.7		20.0			
Methyl acetate	1.7055 1.5228	1.6216 1.5761	1.3194 1.5702	1.4344	1.6954	Ave		1.5557			0.1000	8.4		20.0			
Methylene Chloride	++++ 1.2760	2.3653 1.3816	1.7230 1.4313	1.8072	1.5061	Lin1	0.9603	1.3850			0.1000				0.9970		0.9900
2-Methyl-2-propanol	0.1747 0.2067	0.1818 0.2116	0.1586 0.2356	0.1737	0.1598	Ave		0.1878				14.6		20.0			
Methyl tert-butyl ether	3.9006 3.7539	3.9972 4.2098	3.7950 4.3888	4.4727	4.2507	Ave		4.0961			0.1000	6.7		20.0			
trans-1,2-Dichloroethene	1.0859 1.0880	1.2213 1.2295	1.2243 1.3578	1.2929	1.3986	Ave		1.2373			0.1000	9.1		20.0			
Acrylonitrile	0.7465 0.8464	0.7408 0.8005	0.7242 0.7914	0.8379	0.8329	Ave		0.7901				6.1		20.0			
Hexane	++++ 1.9684	1.7065 2.2502	2.0765 2.3584	2.5127	2.5989	Ave		2.2102				14.3		20.0			
1,1-Dichloroethane	2.4241 2.2522	2.4918 2.4547	2.4032 2.6478	2.7325	2.6964	Ave		2.5128			0.2000	6.6		20.0			
Vinyl acetate	++++ 3.2197	3.0741 3.5182	2.9821 3.5574	3.6049	3.4758	Ave		3.3475				7.5		20.0			
2,2-Dichloropropane	1.2807 1.2035	1.3273 1.3737	1.2160 1.4696	1.4793	1.4413	Ave		1.3489				8.2		20.0			
cis-1,2-Dichloroethene	1.3646 1.2343	1.4030 1.4533	1.4778 1.5203	1.6273	1.5641	Ave		1.4556			0.1000	8.5		20.0			
2-Butanone (MEK)	0.7878 0.9193	0.8370 0.8858	0.8188 0.9131	0.9334	0.9755	Ave		0.8838			0.1000	7.2		20.0			
Chlorobromomethane	0.7213 0.6205	0.6999 0.7161	0.6073 0.7590	0.8133	0.7934	Ave		0.7164				10.4		20.0			
Tetrahydrofuran	0.4958 0.6671	0.5812 0.6269	0.6389 0.6670	0.6631	0.5811	Ave		0.6151				9.7		20.0			
Chloroform	2.2746 1.9798	2.5028 2.2178	2.4154 2.3062	2.3890	2.3909	Ave		2.3096			0.2000	6.9		20.0			
1,1,1-Trichloroethane	1.2718 1.5495	1.6022 1.7059	1.4110 1.8636	1.8706	1.8215	Ave		1.6370			0.1000	13.4		20.0			
Cyclohexane	++++ 1.9910	1.8774 2.3622	1.9716 2.5230	2.3309	2.6559	Ave		2.2446			0.1000	13.4		20.0			
Carbon tetrachloride	1.2042 1.3775	1.1355 1.5398	1.3814 1.7232	1.5292	1.6891	Ave		1.4475			0.1000	14.7		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.: 480-138781-1 Analy Batch No.: 425337
SDG No.: _____
Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/19/2018 17:02 Calibration End Date: 07/19/2018 19:45 Calibration ID: 34374

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	1.3723 1.5747	1.4162 1.6891	1.6317 1.8691	1.9231	1.8845	Ave		1.6701				12.7		20.0			
Benzene	4.2736 4.6781	5.3017 5.2329	5.4667 5.3573	5.7913	5.5322	Ave		5.2042			0.5000	9.5		20.0			
Isobutyl alcohol	++++ 0.0954	0.0860 0.0971	0.0729 0.1028	0.0960	0.0866	Ave		0.0910				10.9		20.0			
1,2-Dichloroethane	2.2317 1.7724	2.1550 2.0335	2.0714 2.1096	2.3588	2.2776	Ave		2.1263			0.1000	8.5		20.0			
n-Heptane	++++ 2.0584	1.8267 2.2254	2.2168 2.4232	2.5549	2.7371	Ave		2.2918				13.4		20.0			
Trichloroethene	++++ 1.1317	1.2324 1.3470	1.2607 1.4435	1.4228	1.4499	Ave		1.3269			0.2000	9.2		20.0			
Methylcyclohexane	++++ 1.9072	2.1332 2.0788	2.0479 2.3085	2.3215	2.3962	Ave		2.1705			0.1000	8.1		20.0			
1,2-Dichloropropane	++++ 1.3443	1.4708 1.4959	1.3041 1.5448	1.6017	1.5277	Ave		1.4699			0.1000	7.4		20.0			
Dibromomethane	++++ 0.7751	0.8828 0.8723	0.7779 0.9026	0.9367	0.9033	Ave		0.8644			0.1000	7.3		20.0			
1,4-Dioxane	++++ 0.0085	++++ 0.0087	0.0078 0.0084	0.0080	0.0078	Ave		0.0082				5.0		20.0			
Bromodichloromethane	1.5208 1.4276	1.5564 1.7000	1.4731 1.8426	1.8006	1.6993	Ave		1.6276			0.2000	9.5		20.0			
2-Chloroethyl vinyl ether	1.1124 0.9672	0.8666 1.1136	1.0359 1.1901	1.0009	1.0615	Ave		1.0435				9.6		20.0			
cis-1,3-Dichloropropene	1.5300 1.6853	1.5455 2.0861	1.6967 2.2167	1.8900	1.9856	Ave		1.8295			0.2000	13.9		20.0			
4-Methyl-2-pentanone (MIBK)	0.8294 0.9429	0.8761 0.9331	0.7612 0.8303	1.0352	0.9871	Ave		0.8994			0.1000	10.2		20.0			
Toluene	1.5090 1.4480	1.6079 1.6386	1.5875 1.6470	1.8267	1.7834	Ave		1.6310			0.4000	7.8		20.0			
trans-1,3-Dichloropropene	0.7726 0.7692	0.7160 0.9625	0.6964 1.0130	0.8697	0.8650	Ave		0.8330			0.1000	13.7		20.0			
Ethyl methacrylate	0.8120 0.8125	0.8017 0.9642	0.7373 0.9955	0.9248	0.9247	Ave		0.8716				10.6		20.0			
1,1,2-Trichloroethane	0.5146 0.4651	0.4500 0.5183	0.4852 0.5195	0.5396	0.5599	Ave		0.5065			0.1000	7.3		20.0			
Tetrachloroethene	0.6379 0.5904	0.5770 0.6552	0.5632 0.6768	0.7031	0.7031	Ave		0.6383			0.2000	8.8		20.0			
1,3-Dichloropropane	1.0482 0.9698	1.0240 1.1072	0.9704 1.0985	1.2192	1.1216	Ave		1.0698				7.9		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 425337
SDG No.: _____
Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/19/2018 17:02 Calibration End Date: 07/19/2018 19:45 Calibration ID: 34374

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	0.6475 0.7031	0.6383 0.6956	0.5861 0.6431	0.7173	0.7040	Ave		0.6669			0.1000	6.8		20.0			
Dibromochloromethane	0.4980 0.5358	0.5667 0.6633	0.4436 0.6884	0.6127	0.6119	Ave		0.5776			0.1000	14.4		20.0			
1,2-Dibromoethane	0.7706 0.5786	0.6525 0.6682	0.5598 0.6623	0.6712	0.6570	Ave		0.6525				9.8		20.0			
Chlorobenzene	1.7779 1.5768	1.9777 1.8127	1.7612 1.8226	1.9586	1.8777	Ave		1.8206			0.5000	6.9		20.0			
Ethylbenzene	2.4674 2.6050	2.6747 3.0419	2.6672 2.9553	3.2671	3.1806	Ave		2.8574			0.1000	10.3		20.0			
1,1,1,2-Tetrachloroethane	0.4879 0.5335	0.5922 0.6216	0.4916 0.6351	0.6393	0.6406	Ave		0.5802				11.4		20.0			
m,p-Xylene	1.0214 1.0381	1.0676 1.2519	1.0607 1.2374	1.2648	1.2230	Ave		1.1456			0.1000	9.3		20.0			
o-Xylene	1.1277 0.9896	0.9471 1.1836	0.9220 1.1982	1.1956	1.2005	Ave		1.0955			0.3000	11.1		20.0			
Styrene	1.5987 1.7508	1.8312 2.0115	1.6684 2.0465	1.9839	2.0461	Ave		1.8671			0.3000	9.6		20.0			
Bromoform	++++ 0.3332	0.2410 0.4072	0.2301 ++++	0.3086	0.3348	Lin1	-0.242	0.3843			0.1000				0.9910		0.9900
Isopropylbenzene	2.4777 2.8298	2.6873 3.1621	2.9430 3.1951	3.1980	3.3455	Ave		2.9798			0.1000	10.0		20.0			
Bromobenzene	0.9118 0.7173	0.7120 0.8262	0.7765 0.8408	0.8137	0.8456	Ave		0.8055				8.4		20.0			
1,1,2,2-Tetrachloroethane	0.9936 0.8973	0.9565 0.9330	0.9406 0.9598	0.9534	0.9378	Ave		0.9465			0.3000	2.9		20.0			
N-Propylbenzene	3.2546 3.3488	3.3374 3.7098	3.4298 3.5928	3.9232	3.9917	Ave		3.5735				7.8		20.0			
1,2,3-Trichloropropane	++++ 0.3161	0.2343 0.3117	0.2975 0.3285	0.3433	0.3539	Ave		0.3122				12.6		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.2473	0.1035 0.2886	0.1428 0.3323	0.1949	0.1979	Ave		0.2153				37.2	*	20.0			
2-Chlorotoluene	0.8407 0.7142	0.7215 0.7681	0.8304 0.8045	0.7663	0.8083	Ave		0.7818				6.1		20.0			
1,3,5-Trimethylbenzene	1.8995 2.4126	2.3309 2.7131	2.2831 2.6758	2.7613	2.8431	Ave		2.4899				12.7		20.0			
4-Chlorotoluene	0.7081 0.7129	0.8247 0.8159	0.7016 0.8351	0.7885	0.8314	Ave		0.7773				7.7		20.0			
tert-Butylbenzene	++++ 0.5248	0.4722 0.5830	0.4954 0.6125	0.5757	0.6071	Ave		0.5530				10.1		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 425337
SDG No.: _____
Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/19/2018 17:02 Calibration End Date: 07/19/2018 19:45 Calibration ID: 34374

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	2.2592 2.5285	2.4023 2.8012	2.5530 2.7765	2.9031	2.9446	Ave		2.6461				9.3		20.0			
sec-Butylbenzene	2.6933 3.0146	2.9711 3.3140	2.9128 3.2305	3.4440	3.7104	Ave		3.1613				10.3		20.0			
4-Isopropyltoluene	2.0408 2.5753	2.5004 2.8329	2.4621 2.7985	2.9276	3.0218	Ave		2.6449				12.0		20.0			
1,3-Dichlorobenzene	1.3342 1.3497	1.4554 1.5603	1.4096 1.5535	1.5722	1.6311	Ave		1.4832			0.6000	7.5		20.0			
1,4-Dichlorobenzene	1.5986 1.4105	1.5977 1.5789	1.5001 1.5950	1.7652	1.6997	Ave		1.5932			0.5000	6.8		20.0			
n-Butylbenzene	2.0909 2.2354	2.0187 2.4995	2.0600 2.4841	2.5298	2.6928	Ave		2.3264				11.0		20.0			
1,2-Dichlorobenzene	1.3841 1.3120	1.6089 1.4763	1.5130 1.5077	1.5542	1.6198	Ave		1.4970			0.4000	7.1		20.0			
1,2-Dibromo-3-Chloropropane	0.1447 0.1788	0.1451 0.1864	0.1453 0.2035	0.1675	0.1553	Ave		0.1658			0.0500	13.3		20.0			
1,2,4-Trichlorobenzene	++++ 0.8973	1.0091 1.0541	1.0183 1.0491	1.0705	1.0814	Ave		1.0257			0.2000	6.1		20.0			
Hexachlorobutadiene	++++ 0.4172	0.4381 0.4620	0.4729 0.4398	0.4889	0.5180	Ave		0.4624				7.4		20.0			
Naphthalene	2.3928 2.8265	2.6258 3.1765	2.5230 3.1186	2.7860	2.8895	Ave		2.7923				9.8		20.0			
1,2,3-Trichlorobenzene	0.9138 0.8741	1.0842 1.0141	0.8392 1.0059	1.0722	1.0356	Ave		0.9799				9.4		20.0			
Dibromofluoromethane (Surr)	1.2283 1.2436	1.1535 1.1214	1.1922 1.1781	1.1670	1.1721	Ave		1.1820				3.3		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7445 0.8209	0.7621 0.7289	0.7754 0.7574	0.7192	0.7262	Ave		0.7543				4.4		20.0			
Toluene-d8 (Surr)	2.2184 2.3431	2.2102 2.2207	2.1996 2.1609	2.2251	2.2258	Ave		2.2255				2.3		20.0			
4-Bromofluorobenzene (Surr)	0.6622 0.7128	0.6695 0.6801	0.6618 0.6732	0.6776	0.6643	Ave		0.6752				2.5		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.: 480-138781-1 Analy Batch No.: 425337

SDG No.: _____

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

Calibration Start Date: 07/19/2018 17:02 Calibration End Date: 07/19/2018 19:45 Calibration ID: 34374

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-425337/6	S3707.D
Level 2	IC 480-425337/7	S3708.D
Level 3	IC 480-425337/8	S3709.D
Level 4	IC 480-425337/9	S3710.D
Level 5	IC 480-425337/10	S3711.D
Level 6	ICIS 480-425337/11	S3712.D
Level 7	IC 480-425337/12	S3713.D
Level 8	IC 480-425337/13	S3714.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	++++ 244821	8514 601050	18076 1296098	60356	126902	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	8603 375350	18634 878902	36406 1805672	97048	196186	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	6694 292185	14477 700556	27822 1531625	74272	150450	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	++++ 329734	12908 768439	27766 1679702	87889	171089	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	++++ 149270	9320 395016	16177 837474	44068	80485	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	++++ 174703	5888 416135	14475 915132	46525	86776	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	++++ 305539	10579 699624	26857 1655931	79774	156430	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	++++ 386486	18366 926693	33944 1934631	99193	192433	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	5529 262599	11016 640511	21329 1321325	65130	134381	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	++++ 240919	10229 518230	18477 1182275	41553	91972	++++ 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 208383	6049 474658	14874 974036	51666	101226	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	++++ 203346	6733 517546	19735 1130280	51027	99373	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	++++ 590713	21846 1224467	45239 2462316	99462	246067	++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	++++ 301971	13032 777028	24828 1730060	70226	156474	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	++++ 598313	23981 1472061	53949 3232909	155717	304981	++++ 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.: 480-138781-1 Analy Batch No.: 425337

SDG No.: _____

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

Calibration Start Date: 07/19/2018 17:02 Calibration End Date: 07/19/2018 19:45 Calibration ID: 34374

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	++++ 376441	16603 966512	31222 2031489	90158	184404	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	13780 609942	26801 1385963	42986 2749122	119198	289686	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	++++ 255549	19546 607491	28069 1253016	75089	128670	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	7056 413937	15020 930178	25834 2062779	72166	136505	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	15758 751791	33031 1851009	61822 3841995	185843	363145	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	4387 217888	10092 540622	19945 1188664	53720	119485	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	30157 1695046	61217 3519748	117972 6927743	348137	711546	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	++++ 394217	14102 989394	33827 2064605	104406	222026	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	9793 451054	20591 1079322	39149 2317949	113536	230355	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	++++ 1289639	50806 3093884	97159 6228436	299569	593892	++++ 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	5174 241028	10968 603994	19809 1286495	61465	123131	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	5513 247194	11594 638986	24074 1330882	67614	133620	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	15914 920549	34584 1947342	66695 3996716	193912	416670	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2914 124278	5784 314853	9894 664472	33794	67781	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	4006 267204	9605 551258	20817 1167844	55104	99296	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	9189 396505	20682 975133	39349 2018924	99265	204258	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	5138 310315	13240 750082	22986 1631404	77725	155611	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	++++ 398744	15514 1038662	32118 2208697	96851	226899	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	4865 275872	9383 677061	22504 1508484	63538	144305	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	5544 315370	11703 742671	26582 1636238	79905	160995	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	17265 936878	43811 2300891	89055 4689840	240635	472621	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 425337

SDG No.: _____

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

Calibration Start Date: 07/19/2018 17:02 Calibration End Date: 07/19/2018 19:45 Calibration ID: 34374

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	++++ 477843	17761 1067746	29672 2249045	99737	184873	++++ 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	9016 354952	17808 894116	33745 1846817	98012	194575	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	++++ 412245	15095 978510	36113 2121307	106158	233837	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	++++ 226648	10184 592258	20538 1263639	59117	123867	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	++++ 381953	17628 914040	33362 2020933	96460	204707	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	++++ 269224	12154 657759	21244 1352383	66551	130513	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	++++ 155221	7295 383530	12673 790193	38920	77168	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	++++ 70285	++++ 155047	5315 311487	13579	27898	++++ 500	++++ 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	6144 285911	12861 747501	23997 1613047	74816	145173	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	4494 193705	7161 489660	16875 1041830	41590	90686	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	6181 337512	12771 917245	27641 1940578	78532	169630	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	34888 1946720	73536 4143883	130388 7670527	441740	880250	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	12694 597924	26993 1455388	54388 3043119	155900	318080	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	6499 317622	12020 854867	23857 1871725	74222	154278	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	6831 335494	13459 856423	25258 1839365	78928	164919	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	4329 192061	7554 460315	16622 959901	46054	99865	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	5366 243801	9687 581906	19295 1250544	60002	125403	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	8818 400458	17190 983359	33244 2029680	104049	200045	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	27233 1451582	53574 3089067	100404 5941243	306098	627804	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	4189 221258	9514 589141	15198 1272036	52295	109138	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	6483 238911	10954 593435	19178 1223809	57281	117181	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 425337

SDG No.: _____

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

Calibration Start Date: 07/19/2018 17:02 Calibration End Date: 07/19/2018 19:45 Calibration ID: 34374

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	14956 651130	33200 1610014	60338 3367668	167153	334897	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	20757 1075696	44901 2701761	91378 5460488	278828	567283	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	4104 220304	9942 552096	16842 1173554	54559	114254	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	8592 428660	17923 1111934	36339 2286368	107945	218135	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	9487 408650	15900 1051245	31587 2213921	102036	214116	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	13449 722985	30741 1786584	57158 3781281	169317	364937	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Lin1	++++ 137593	4046 361655	7882 ++++	26336	59719	++++ 25.0	1.00 50.0	2.00 ++++	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	18749 1054389	40960 2611796	90427 5348527	260673	545296	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	6900 267275	10853 682390	23859 1407442	66328	137827	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	7519 334335	14579 770597	28901 1606742	77715	152859	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	24628 1247775	50869 3064163	105385 6014190	319786	650622	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	++++ 117775	3572 257469	9141 549886	27986	57686	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	++++ 92139	1577 238376	4387 556327	15886	32258	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	6362 266129	10998 634423	25514 1346769	62464	131757	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	14374 898948	35528 2240961	70151 4479091	225076	463407	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	5358 265629	12570 673882	21556 1397873	64275	135508	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	++++ 195529	7197 481566	15221 1025337	46929	98955	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	17096 942141	36616 2313684	78445 4647728	236640	479960	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	20381 1123243	45287 2737287	89499 5407635	280727	604778	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	15443 959557	38112 2339882	75651 4684582	238630	492540	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	10096 502911	22183 1288766	43312 2600501	128151	265856	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1 Analy Batch No.: 425337

SDG No.: _____

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

Calibration Start Date: 07/19/2018 17:02 Calibration End Date: 07/19/2018 19:45 Calibration ID: 34374

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	12097 525578	24352 1304157	46091 2669959	143884	277048	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	15822 832944	30770 2064488	63296 4158287	206209	438915	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	10474 488851	24524 1219389	46490 2523742	126689	264019	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1095 66605	2211 153936	4466 340610	13653	25309	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	++++ 334332	15381 870678	31288 1756230	87260	176267	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	++++ 155449	6677 381574	14531 736178	39850	84438	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	18107 1053178	40023 2623728	77521 5220400	227088	470973	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	6915 325683	16526 837601	25785 1683768	87395	168799	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	248100 249064	238307 246543	242779 257834	242457	250331	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	150375 164402	157443 160253	157892 165757	149413	155096	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	933102 967566	927589 986184	941961 998204	949502	992476	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	278541 294340	280969 302035	283419 310968	289146	296183	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3707.D
 Lims ID: IC 0.5
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 19-Jul-2018 17:02:30 ALS Bottle#: 42 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.5
 Misc. Info.: 480-0073226-006
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 20-Jul-2018 13:36:40 Calib Date: 20-Jul-2018 00:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3725.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: HillL

Date: 19-Jul-2018 23:03:43

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	5.510	5.510	0.000	98	201994	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	87	420619	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	95	378361	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	65	248100	25.0	26.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	95	150375	25.0	24.7	
\$ 5 Toluene-d8 (Surr)	98	7.019	7.024	-0.005	93	933102	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	9.756	9.762	-0.006	87	278541	25.0	24.5	
10 Dichlorodifluoromethane	85	1.288	1.288	0.000	27	3098	0.5000	0.2934	
12 Chloromethane	50	1.476	1.464	0.012	38	8603	0.5000	0.4956	
13 Vinyl chloride	62	1.549	1.555	-0.006	38	6694	0.5000	0.4922	
151 Butadiene	54	1.580	1.580	0.000	71	5195	0.5000	0.3545	
14 Bromomethane	94	1.866	1.872	-0.006	1	5090	0.5000	0.6558	
15 Chloroethane	64	1.975	1.981	-0.006	36	2491	0.5000	0.3270	
17 Trichlorofluoromethane	101	2.194	2.200	-0.006	8	3811	0.5000	0.2825	
16 Dichlorofluoromethane	67	2.194	2.206	-0.012	33	7333	0.5000	0.4181	
18 Ethyl ether	59	2.498	2.498	0.000	67	5529	0.5000	0.4790	
20 Acrolein	56	2.681	2.693	-0.012	53	7360	2.50	3.90	
21 1,1,2-Trichloro-1,2,2-trif	101		2.705				ND	ND	
22 1,1-Dichloroethene	96		2.729				ND	ND	Ua
23 Acetone	43	2.857	2.851	0.006	93	14120	2.50	3.18	
25 Iodomethane	142	2.912	2.894	0.018	49	4254	0.5000	0.3104	
26 Carbon disulfide	76	2.930	2.924	0.006	49	8701	0.5000	0.3200	
28 3-Chloro-1-propene	41	3.101	3.094	0.007	48	5621	0.5000	0.3324	
27 Methyl acetate	43	3.156	3.149	0.007	68	13780	1.00	1.10	
30 Methylene Chloride	84	3.259	3.259	0.000	56	10731	0.5000	0.2656	
31 2-Methyl-2-propanol	59	3.423	3.429	-0.006	66	7056	5.00	4.65	
32 Methyl tert-butyl ether	73	3.454	3.453	0.001	79	15758	0.5000	0.4761	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	53	4387	0.5000	0.4388	
33 Acrylonitrile	53	3.545	3.539	0.006	91	30157	5.00	4.72	
35 Hexane	57	3.667	3.660	0.007	65	5694	0.5000	0.3188	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.892	3.898	-0.006	26	9793	0.5000	0.4823	
37 Vinyl acetate	43	3.959	3.952	0.007	89	22863	1.00	0.8453	
44 2,2-Dichloropropane	77	4.433	4.421	0.012	9	5174	0.5000	0.4747	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	25	5513	0.5000	0.4688	
43 2-Butanone (MEK)	43	4.500	4.494	0.006	89	15914	2.50	2.23	a
48 Chlorobromomethane	128	4.701	4.694	0.007	53	2914	0.5000	0.5034	
49 Tetrahydrofuran	42	4.713	4.713	0.000	69	4006	1.00	0.8060	a
50 Chloroform	83	4.768	4.774	-0.006	44	9189	0.5000	0.4924	
51 1,1,1-Trichloroethane	97	4.883	4.883	0.000	51	5138	0.5000	0.3885	
52 Cyclohexane	56	4.877	4.883	-0.006	38	6039	0.5000	0.3330	
55 Carbon tetrachloride	117	5.023	5.017	0.006	37	4865	0.5000	0.4160	a
54 1,1-Dichloropropene	75	5.041	5.029	0.012	32	5544	0.5000	0.4109	a
57 Benzene	78	5.248	5.242	0.006	25	17265	0.5000	0.4106	
53 Isobutyl alcohol	43	5.273	5.266	0.007	62	5610	12.5	7.63	
58 1,2-Dichloroethane	62	5.315	5.315	0.000	61	9016	0.5000	0.5248	
59 n-Heptane	43	5.413	5.406	0.006	74	5785	0.5000	0.3124	
62 Trichloroethene	95	5.851	5.850	0.001	54	4433	0.5000	0.4135	
64 Methylcyclohexane	83	5.954	5.960	-0.006	28	4893	0.5000	0.2790	
65 1,2-Dichloropropane	63	6.088	6.094	-0.006	37	4356	0.5000	0.3668	
67 Dibromomethane	93	6.246	6.234	0.012	55	4110	0.5000	0.5885	
66 1,4-Dioxane	88		6.240				ND	ND	
68 Dichlorobromomethane	83	6.392	6.386	0.006	26	6144	0.5000	0.4672	
69 2-Chloroethyl vinyl ether	63	6.660	6.666	-0.006	21	4494	0.5000	0.5330	a
72 cis-1,3-Dichloropropene	75	6.806	6.805	0.001	29	6181	0.5000	0.4181	
73 4-Methyl-2-pentanone (MIBK)	43	6.946	6.951	-0.005	84	34888	2.50	2.31	
74 Toluene	92	7.098	7.085	0.013	49	12694	0.5000	0.4626	a
77 trans-1,3-Dichloropropene	75	7.377	7.371	0.006	29	6499	0.5000	0.4637	a
75 Ethyl methacrylate	69	7.420	7.414	0.006	30	6831	0.5000	0.4658	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	30	4329	0.5000	0.5080	
81 Tetrachloroethene	166	7.621	7.621	0.000	46	5366	0.5000	0.4996	
82 1,3-Dichloropropane	76	7.724	7.724	0.000	48	8818	0.5000	0.4899	
80 2-Hexanone	43	7.791	7.791	0.000	90	27233	2.50	2.43	
83 Chlorodibromomethane	129	7.955	7.961	-0.006	8	4189	0.5000	0.4311	
84 Ethylene Dibromide	107	8.071	8.065	0.006	35	6483	0.5000	0.5905	
87 Chlorobenzene	112	8.546	8.539	0.007	62	14956	0.5000	0.4883	a
88 Ethylbenzene	91	8.631	8.631	0.000	73	20757	0.5000	0.4318	
89 1,1,1,2-Tetrachloroethane	131	8.631	8.637	-0.006	1	4104	0.5000	0.4204	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	84	8592	0.5000	0.4458	
91 o-Xylene	106	9.184	9.178	0.006	57	9487	0.5000	0.5147	
92 Styrene	104	9.209	9.208	0.001	74	13449	0.5000	0.4281	
95 Bromoform	173	9.470	9.464	0.006	4	2144	0.5000	0.9621	Ma
94 Isopropylbenzene	105	9.562	9.561	0.001	64	18749	0.5000	0.4157	
101 Bromobenzene	156	9.908	9.908	0.000	61	6900	0.5000	0.5660	
97 1,1,2,2-Tetrachloroethane	83	9.975	9.969	0.006	20	7519	0.5000	0.5249	
99 N-Propylbenzene	91	9.981	9.981	0.000	77	24628	0.5000	0.4554	
100 1,2,3-Trichloropropane	110	9.993	9.999	-0.006	25	1571	0.5000	0.3325	Ma
98 trans-1,4-Dichloro-2-buten	53	10.024	10.018	0.006	0	620	0.5000	0.1903	M
103 2-Chlorotoluene	126	10.091	10.091	0.000	74	6362	0.5000	0.5377	
102 1,3,5-Trimethylbenzene	105	10.158	10.158	0.000	54	14374	0.5000	0.3814	
105 4-Chlorotoluene	126	10.200	10.200	0.000	63	5358	0.5000	0.4555	
106 tert-Butylbenzene	134	10.480	10.474	0.006	51	2817	0.5000	0.3366	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	37	17096	0.5000	0.4269	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.681	10.681	0.000	59	20381	0.5000	0.4260	
110 4-Isopropyltoluene	119	10.827	10.821	0.006	58	15443	0.5000	0.3858	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	28	10096	0.5000	0.4498	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	34	12097	0.5000	0.5017	a
115 n-Butylbenzene	91	11.210	11.210	0.000	65	15822	0.5000	0.4494	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	61	10474	0.5000	0.4623	
117 1,2-Dibromo-3-Chloropropan	75	11.989	11.995	-0.006	0	1095	0.5000	0.4364	M
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	29	5467	0.5000	0.3522	
120 Hexachlorobutadiene	225	12.774	12.767	0.007	1	4166	0.5000	0.5953	
121 Naphthalene	128	12.877	12.877	0.000	69	18107	0.5000	0.4285	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	35	6915	0.5000	0.4663	
S 126 1,3-Dichloropropene, Total	1				0			0.8818	
S 125 1,2-Dichloroethene, Total	1				0			0.9076	
S 124 Xylenes, Total	1				0			0.9605	
S 123 Total BTEX	1				0			2.27	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

8260 CORP mix_00129	Amount Added: 0.50	Units: uL	
GAS CORP mix_00291	Amount Added: 0.50	Units: uL	
S_8260_IS_00294	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00277	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180719-73226.b\\S3707.D

Injection Date: 19-Jul-2018 17:02:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC 0.5

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

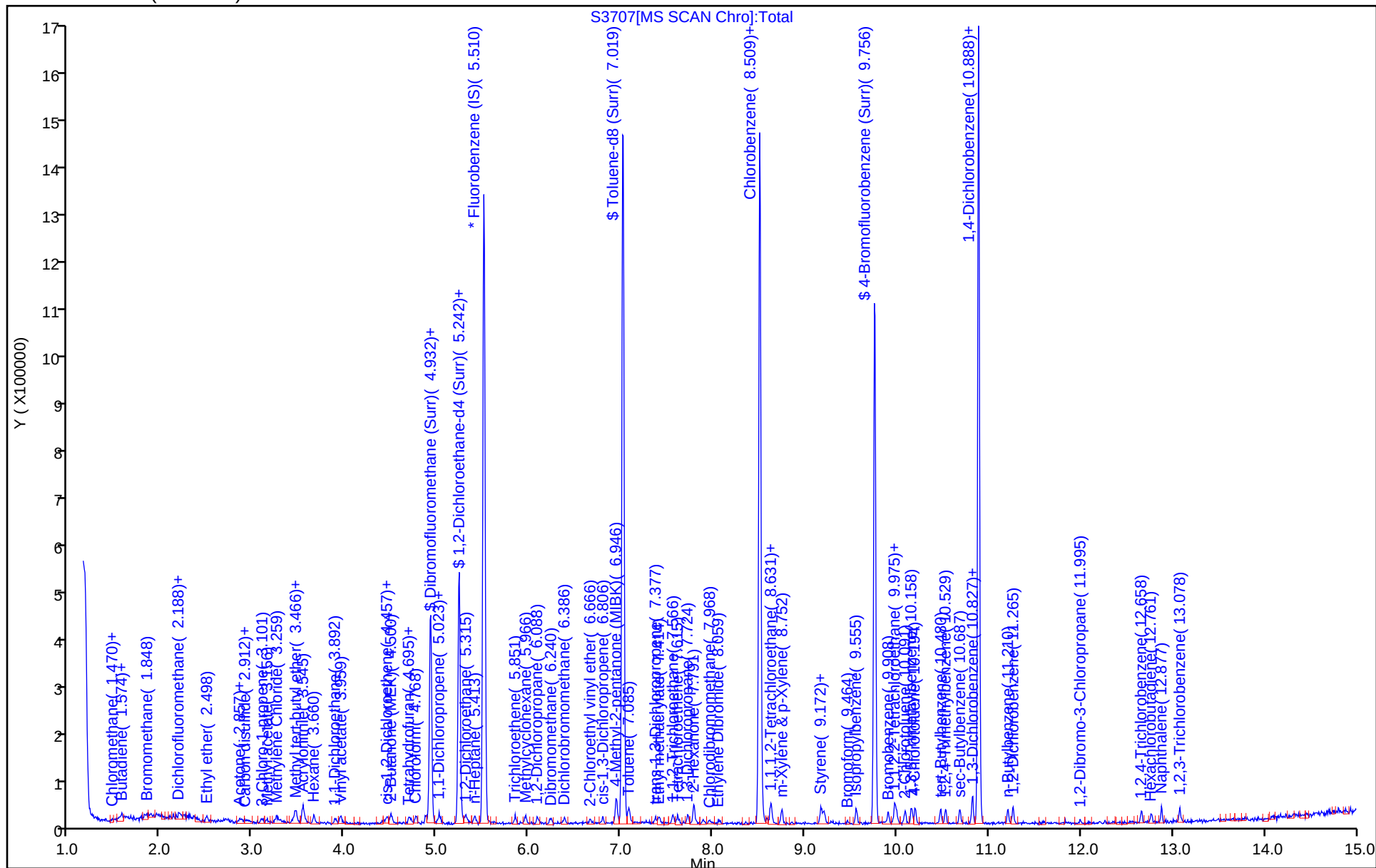
Dil. Factor: 1.0000

ALS Bottle#: 42

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

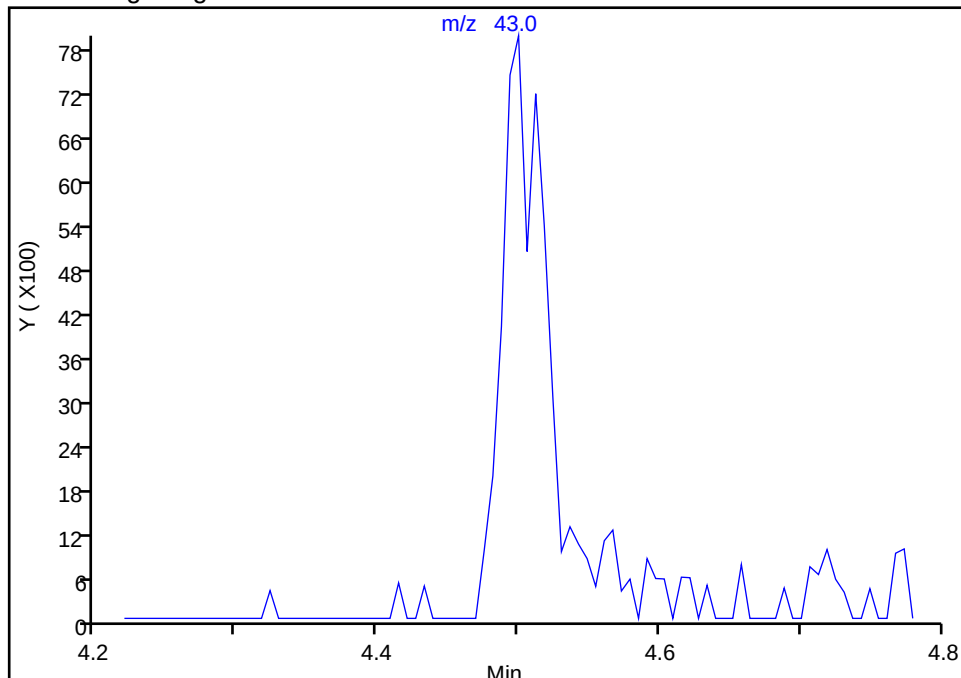
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Injection Date: 19-Jul-2018 17:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 42 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

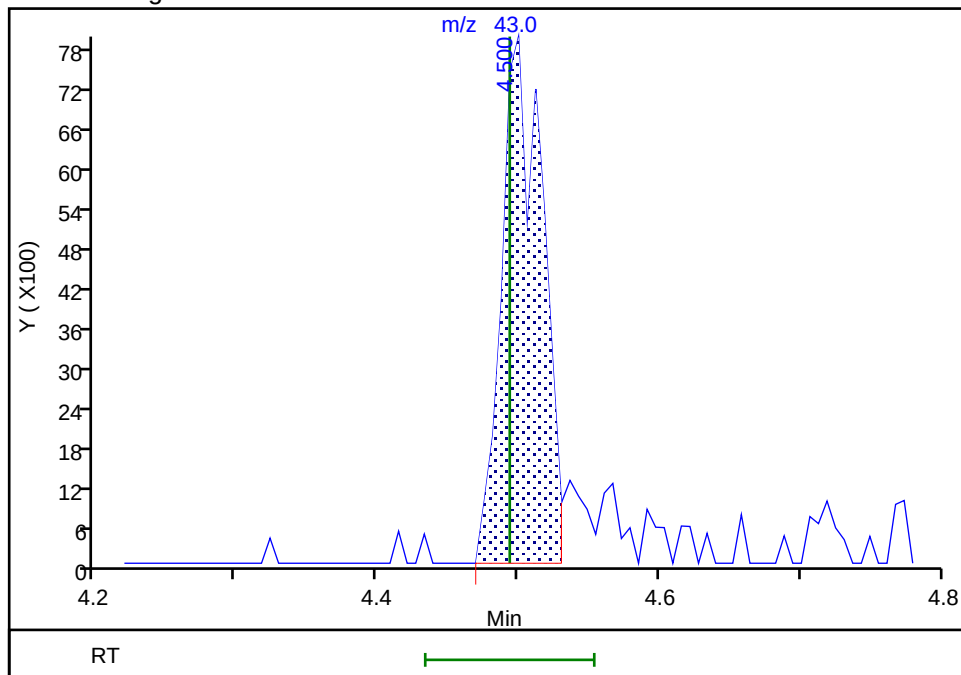
Not Detected
Expected RT: 4.49

Processing Integration Results



Manual Integration Results

RT: 4.50
Area: 15914
Amount: 2.228481
Amount Units: ug/L



Reviewer: HillL, 19-Jul-2018 22:56:52
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3707.D

Injection Date: 19-Jul-2018 17:02:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

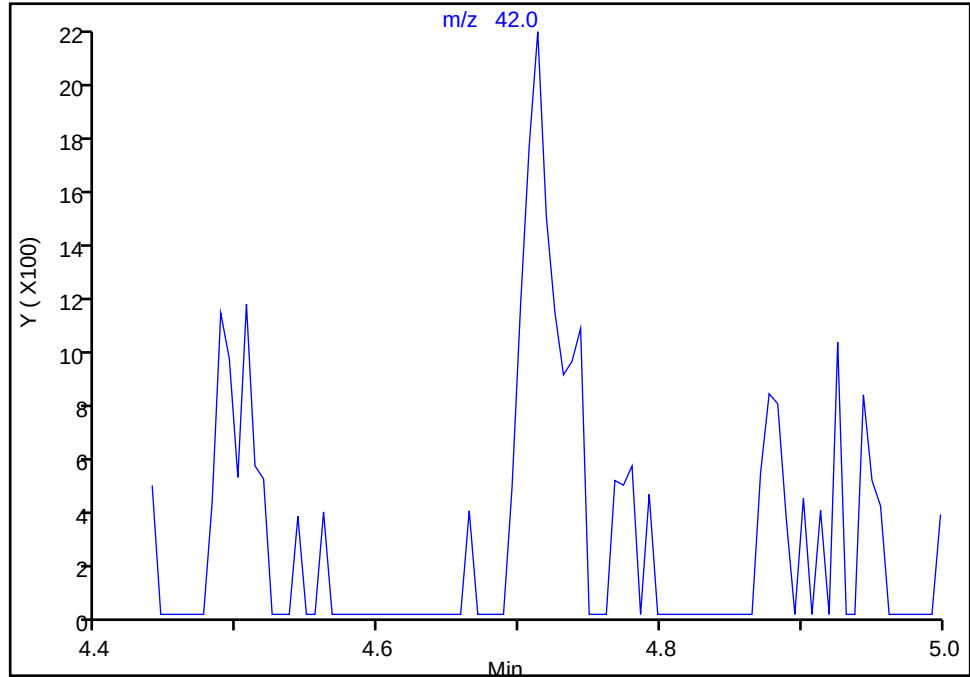
49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

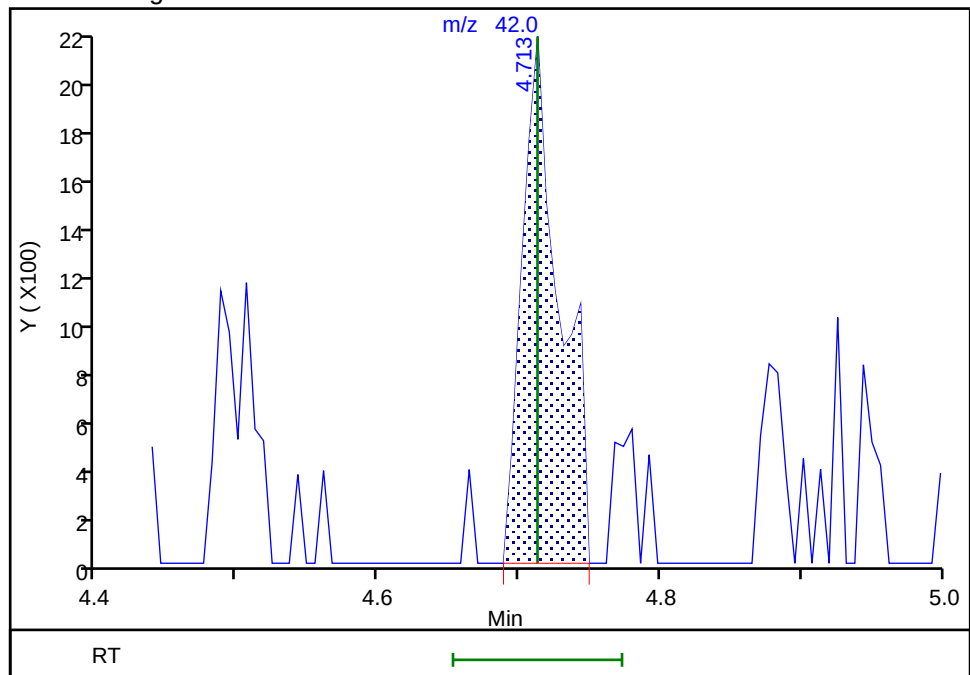
Not Detected

Expected RT: 4.71

Processing Integration Results



Manual Integration Results



RT: 4.71

Area: 4006

Amount: 0.806004

Amount Units: ug/L

Reviewer: HillL, 19-Jul-2018 22:57:04

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3707.D

Injection Date: 19-Jul-2018 17:02:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

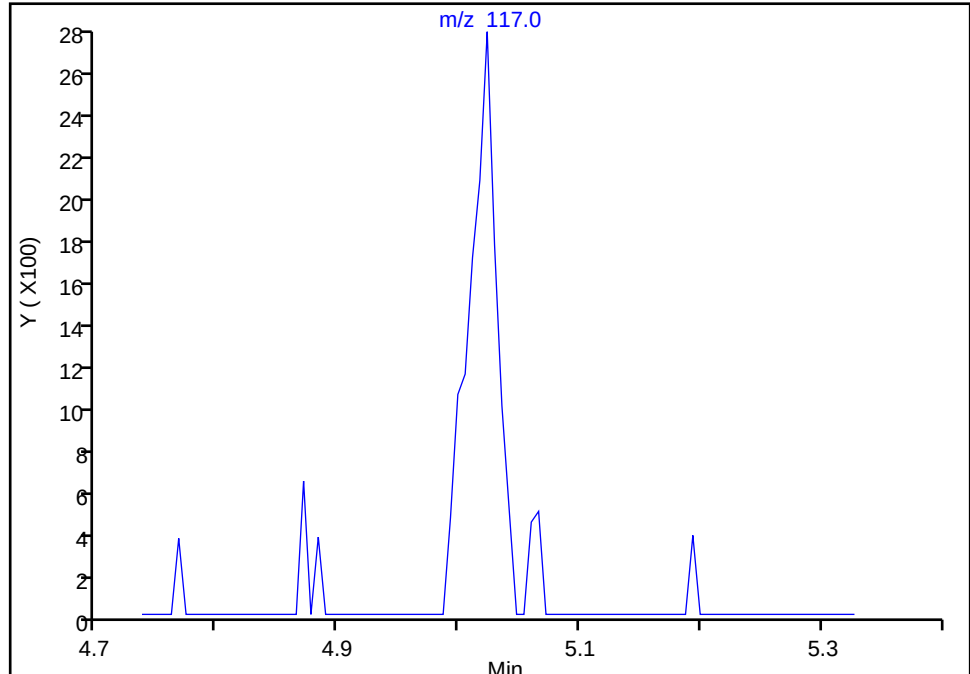
55 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

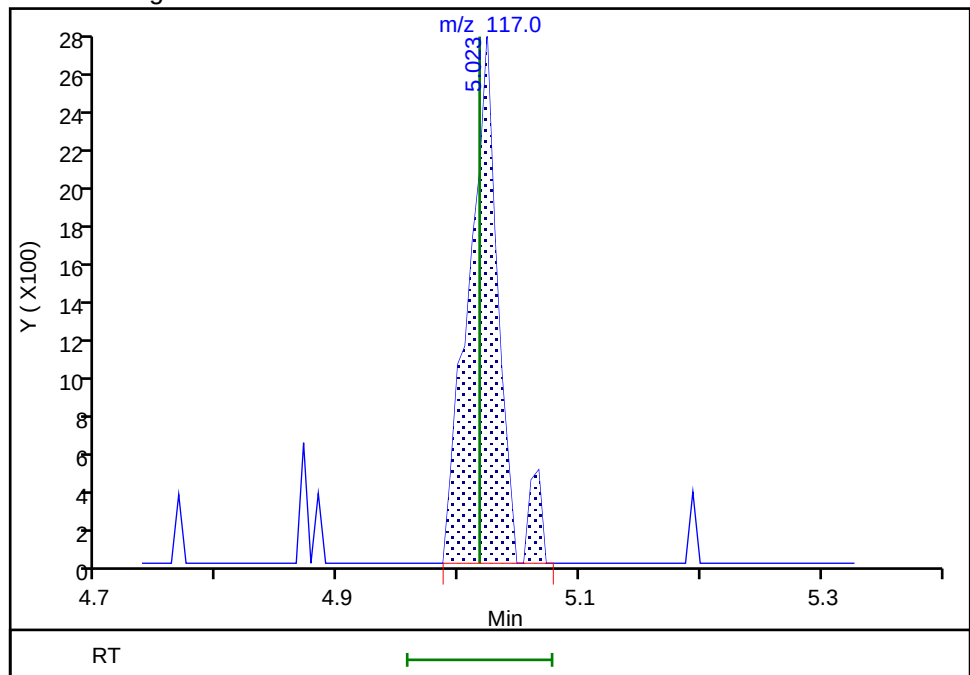
Not Detected

Expected RT: 5.02

Processing Integration Results



Manual Integration Results



RT: 5.02

Area: 4865

Amount: 0.415976

Amount Units: ug/L

Reviewer: HillL, 19-Jul-2018 22:57:55

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

TestAmerica Buffalo

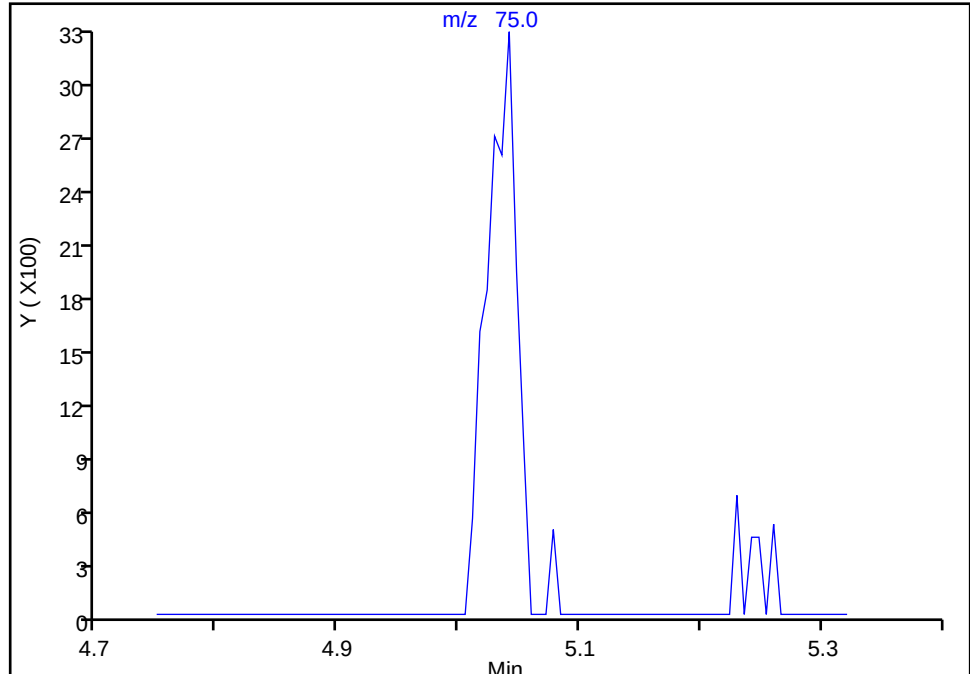
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Injection Date: 19-Jul-2018 17:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 42 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

54 1,1-Dichloropropene, CAS: 563-58-6

Signal: 1

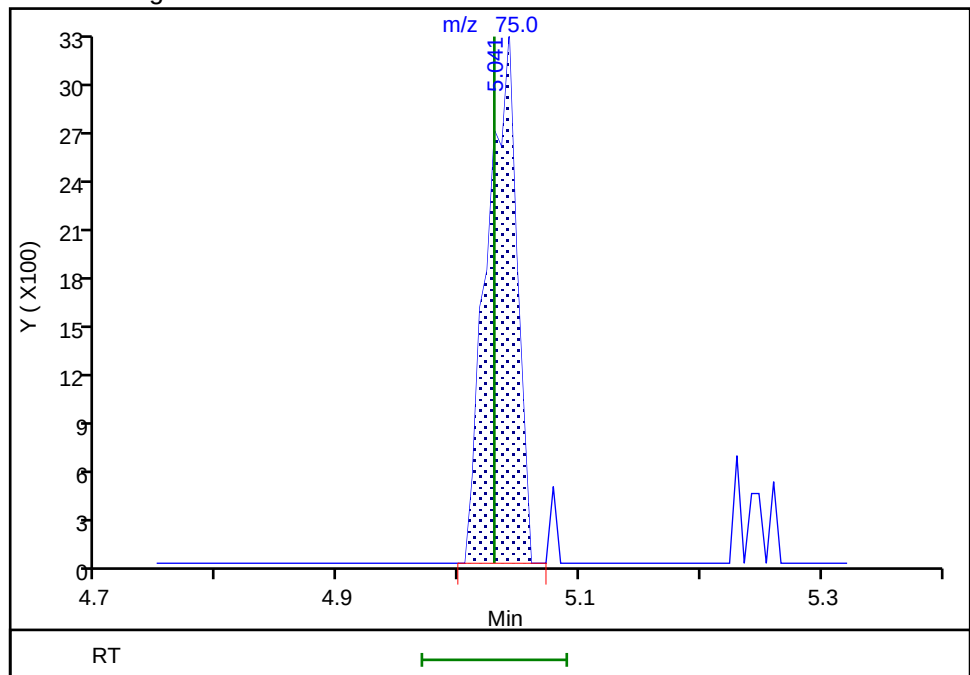
Not Detected
Expected RT: 5.03

Processing Integration Results



RT: 5.04
Area: 5544
Amount: 0.410851
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:58:21
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

TestAmerica Buffalo

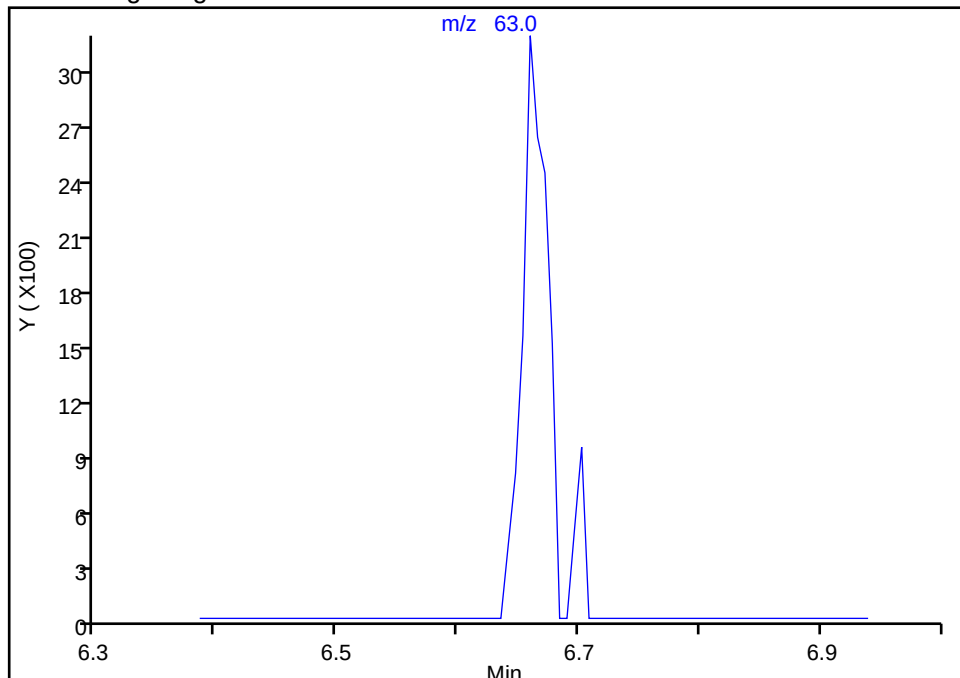
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3707.D
Injection Date: 19-Jul-2018 17:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 42 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

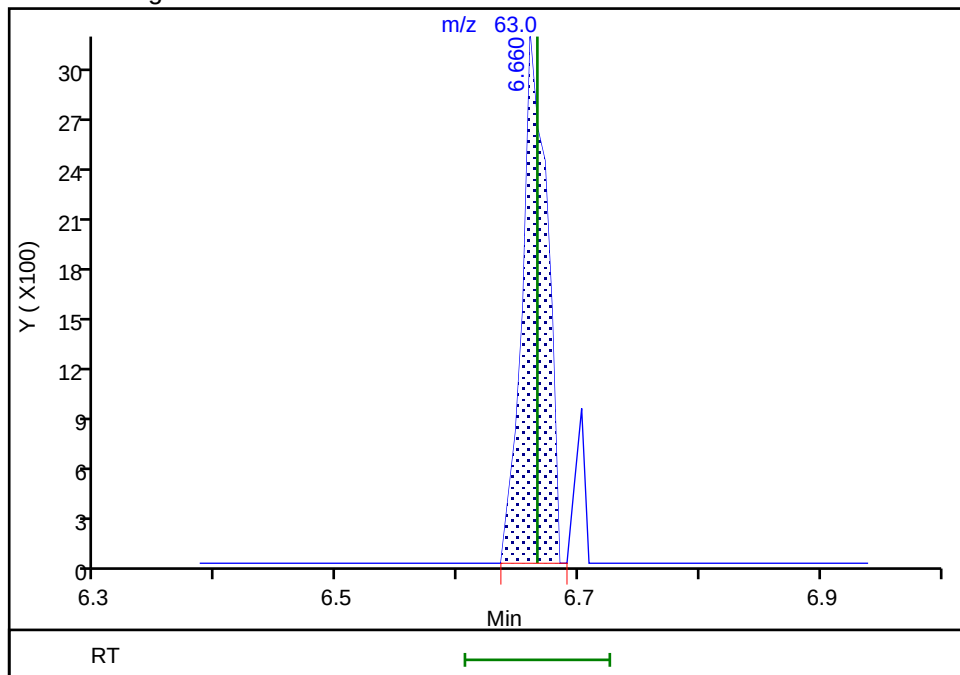
Not Detected
Expected RT: 6.67

Processing Integration Results



RT: 6.66
Area: 4494
Amount: 0.533001
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 22:59:42
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3707.D

Injection Date: 19-Jul-2018 17:02:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

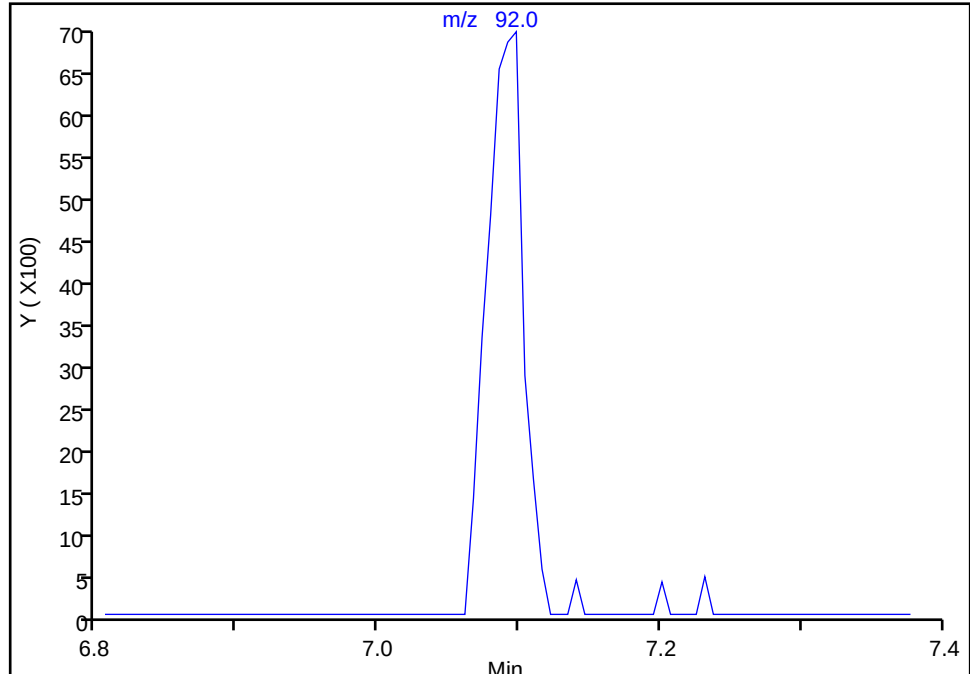
74 Toluene, CAS: 108-88-3

Signal: 1

Not Detected

Expected RT: 7.09

Processing Integration Results



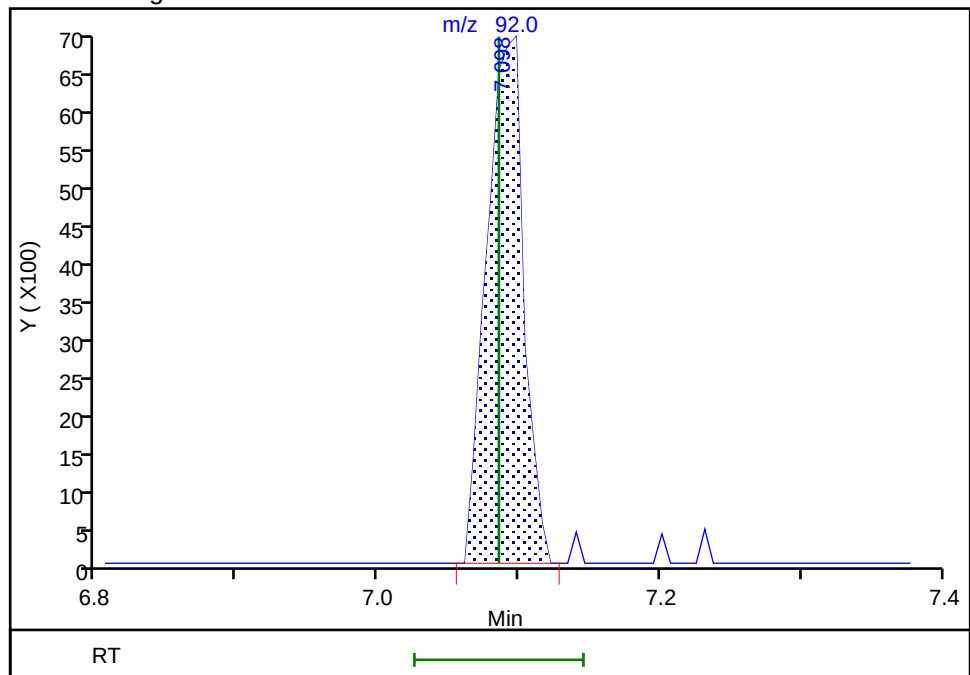
RT: 7.10

Area: 12694

Amount: 0.462587

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 23:00:03

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3707.D

Injection Date: 19-Jul-2018 17:02:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

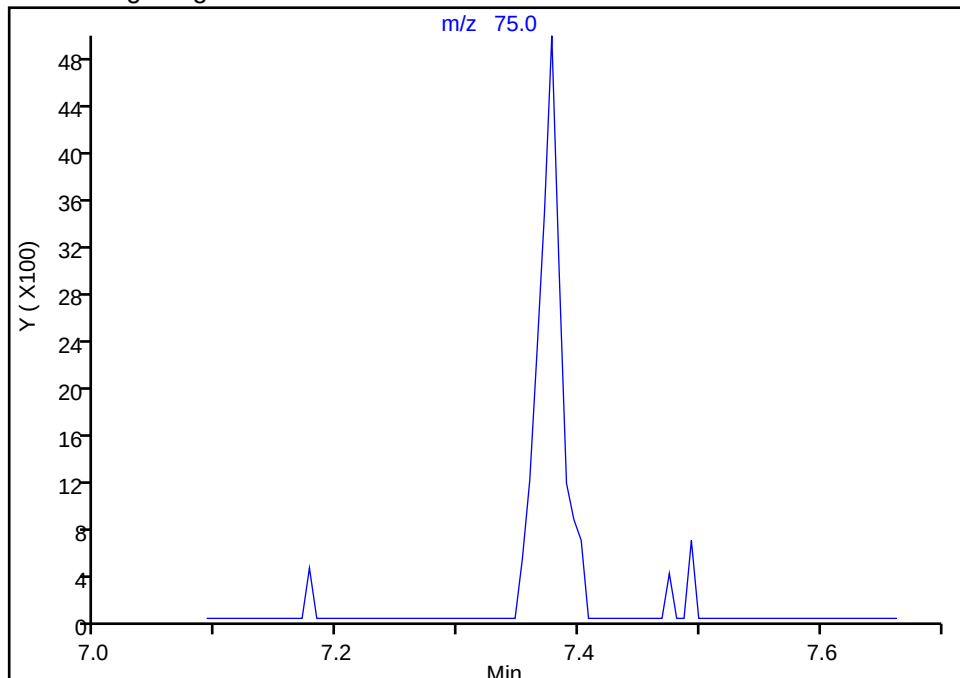
77 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

Not Detected

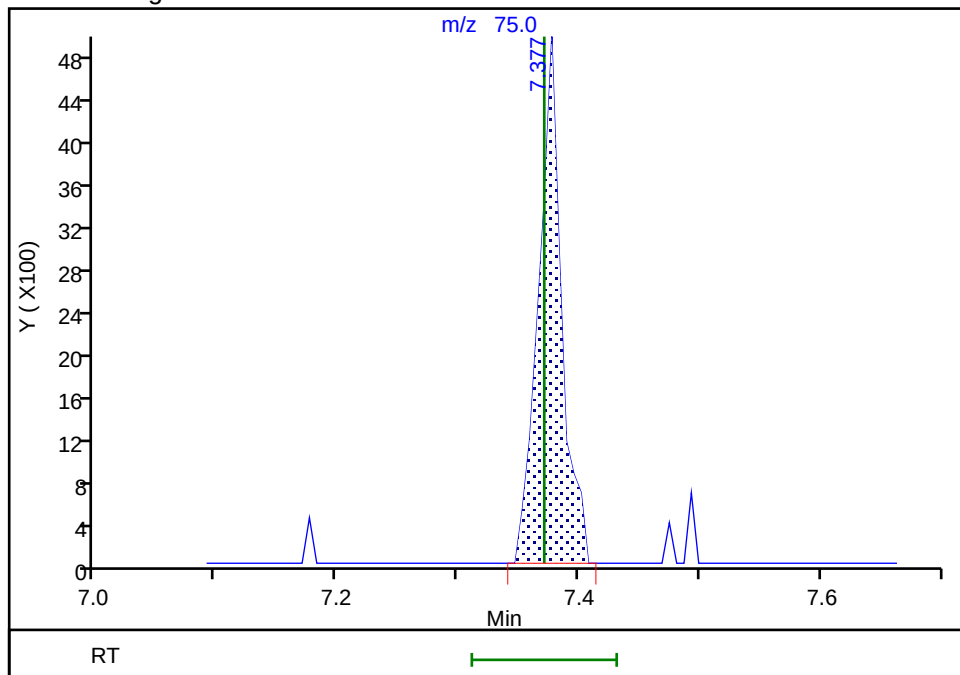
Expected RT: 7.37

Processing Integration Results



Manual Integration Results

RT: 7.38
Area: 6499
Amount: 0.463699
Amount Units: ug/L



Reviewer: HillL, 19-Jul-2018 23:00:08

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3707.D

Injection Date: 19-Jul-2018 17:02:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

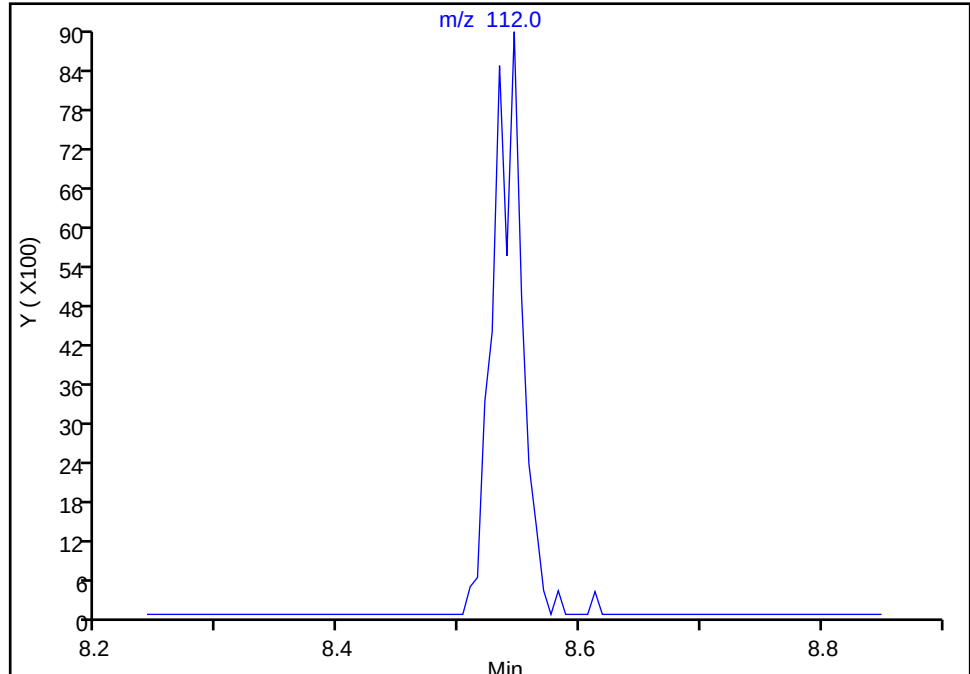
87 Chlorobenzene, CAS: 108-90-7

Signal: 1

Not Detected

Expected RT: 8.54

Processing Integration Results



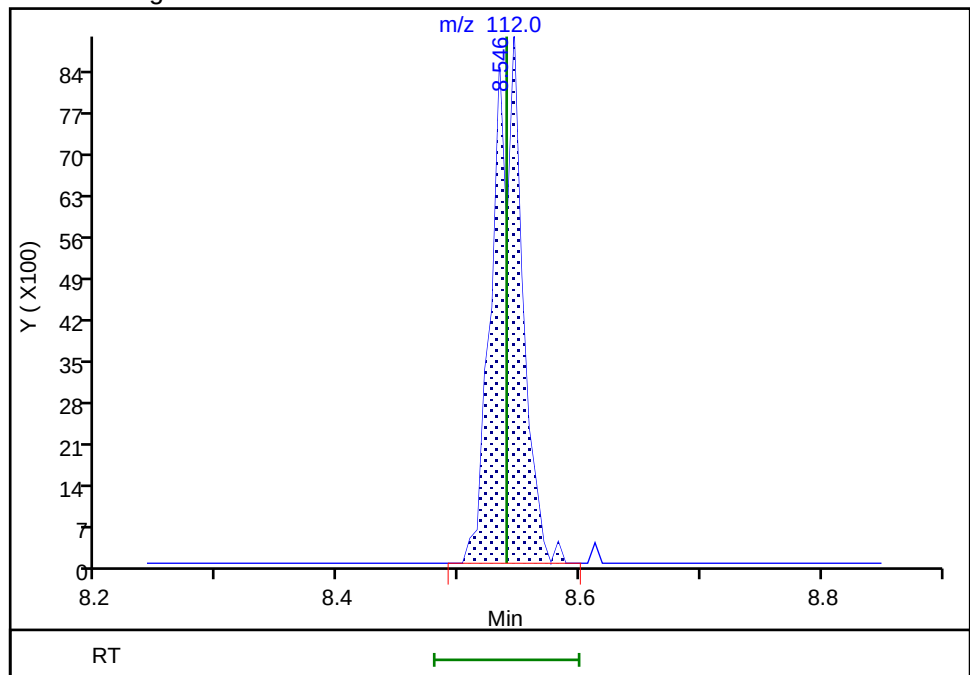
RT: 8.55

Area: 14956

Amount: 0.488251

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 23:00:25

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

TestAmerica Buffalo

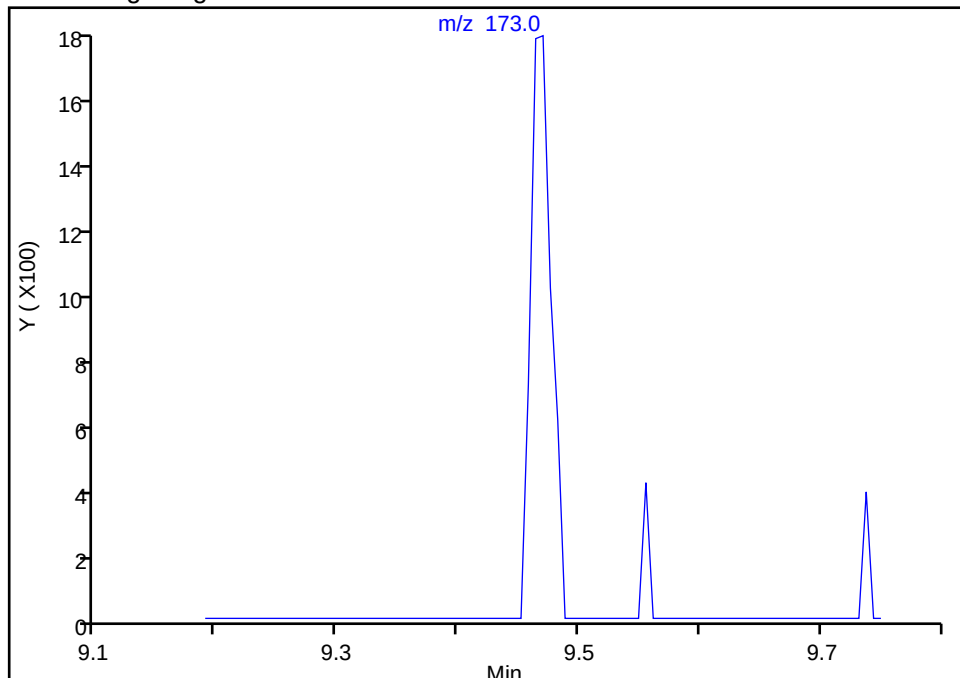
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3707.D
Injection Date: 19-Jul-2018 17:02:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: LH ALS Bottle#: 42 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

95 Bromoform, CAS: 75-25-2

Signal: 1

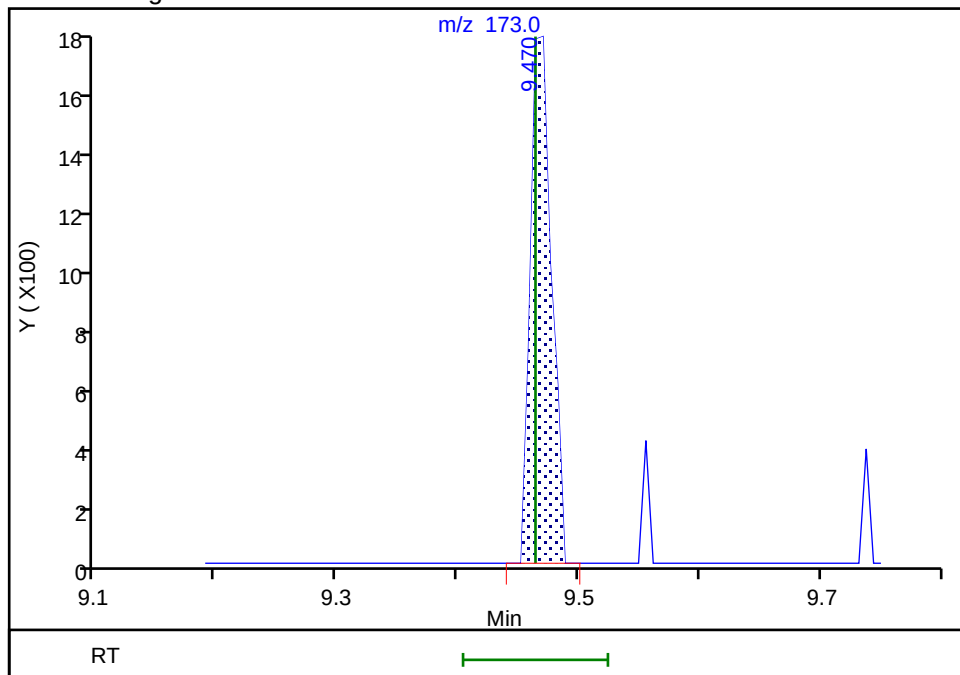
Not Detected
Expected RT: 9.46

Processing Integration Results



RT: 9.47
Area: 2144
Amount: 0.962148
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 23:00:51
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3707.D

Injection Date: 19-Jul-2018 17:02:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

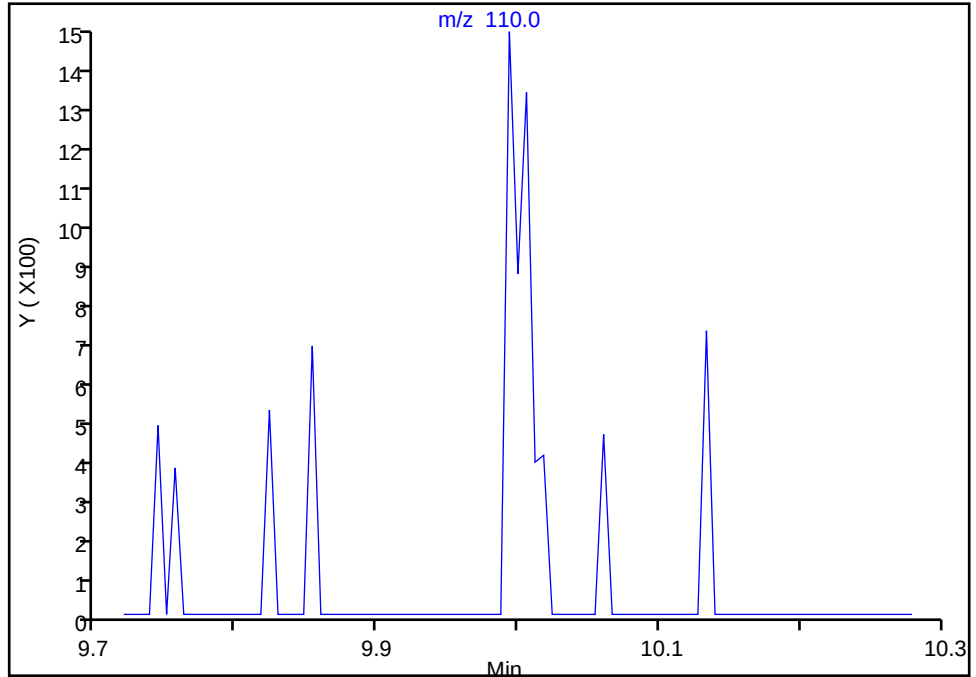
100 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

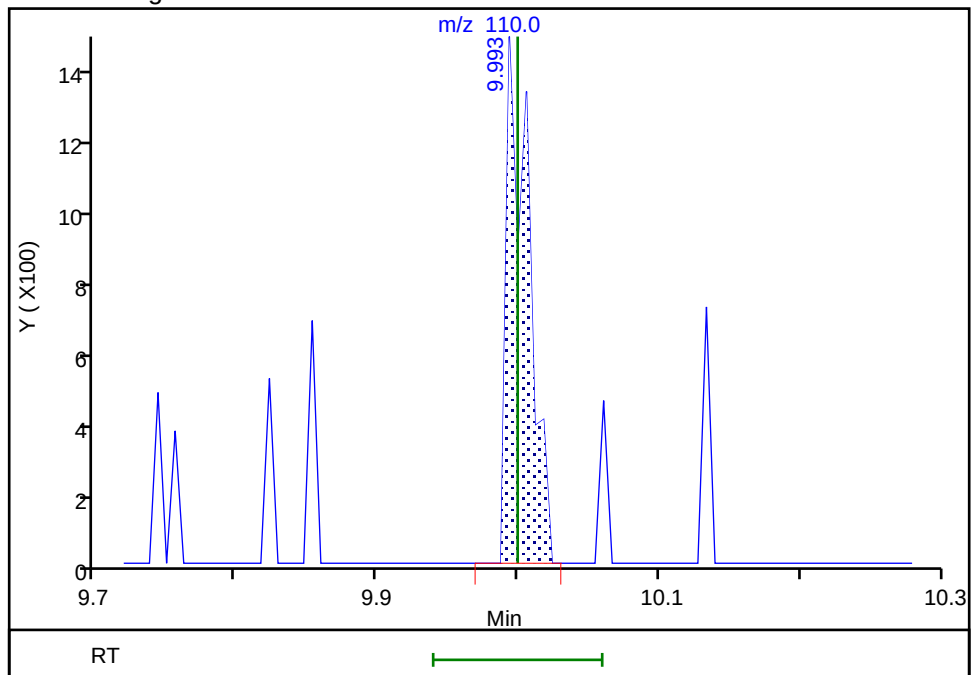
Not Detected

Expected RT: 10.00

Processing Integration Results



Manual Integration Results



RT: 9.99

Area: 1571

Amount: 0.332490

Amount Units: ug/L

Reviewer: HillL, 19-Jul-2018 23:01:57

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3707.D

Injection Date: 19-Jul-2018 17:02:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

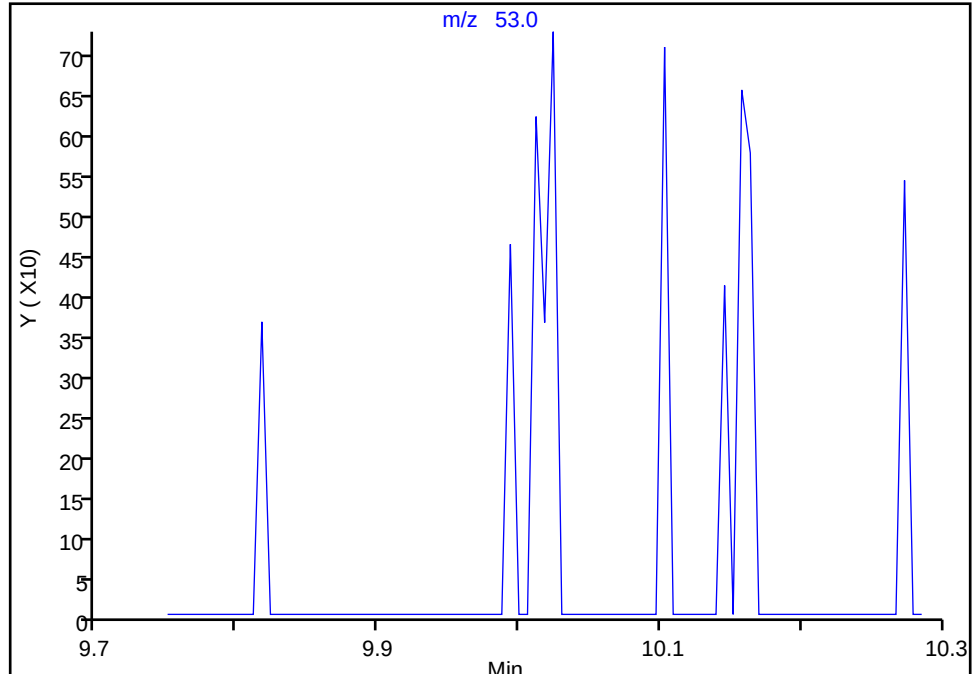
98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

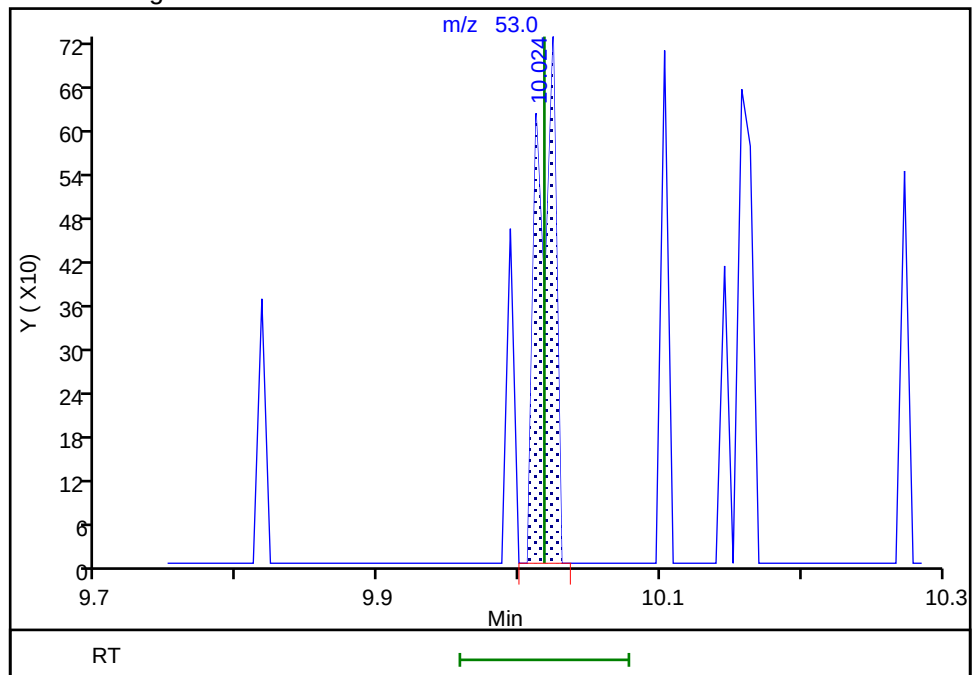
Not Detected

Expected RT: 10.02

Processing Integration Results



Manual Integration Results



Reviewer: HillL, 19-Jul-2018 23:02:19

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3707.D

Injection Date: 19-Jul-2018 17:02:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

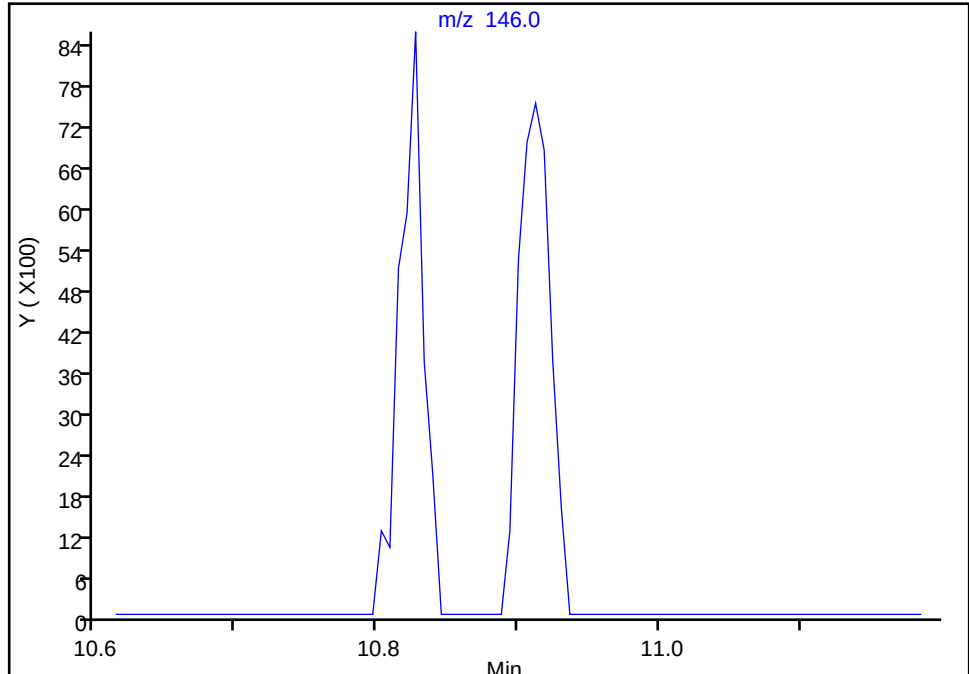
113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

Not Detected

Expected RT: 10.91

Processing Integration Results



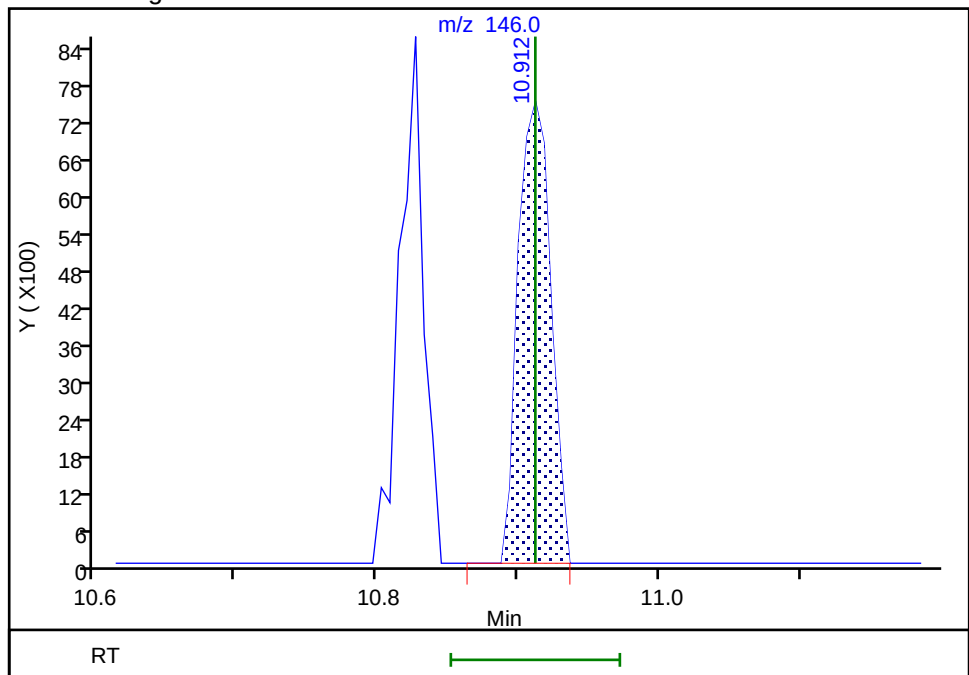
RT: 10.91

Area: 12097

Amount: 0.501692

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 23:02:47

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3707.D

Injection Date: 19-Jul-2018 17:02:30

Instrument ID: HP5973S

Lims ID: IC 0.5

Client ID:

Operator ID: LH

ALS Bottle#:

42

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

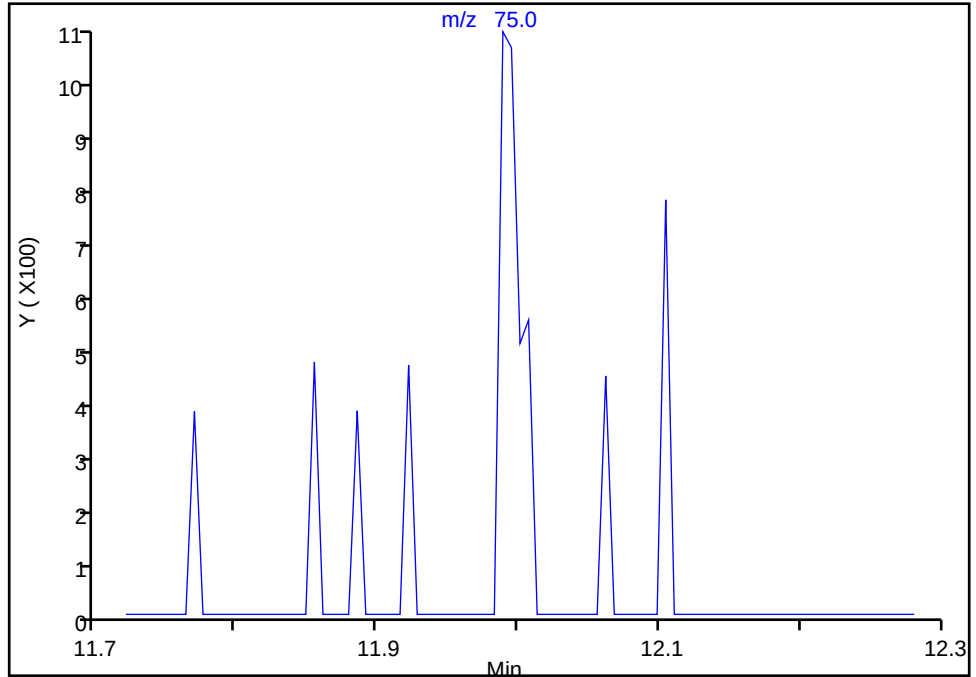
117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

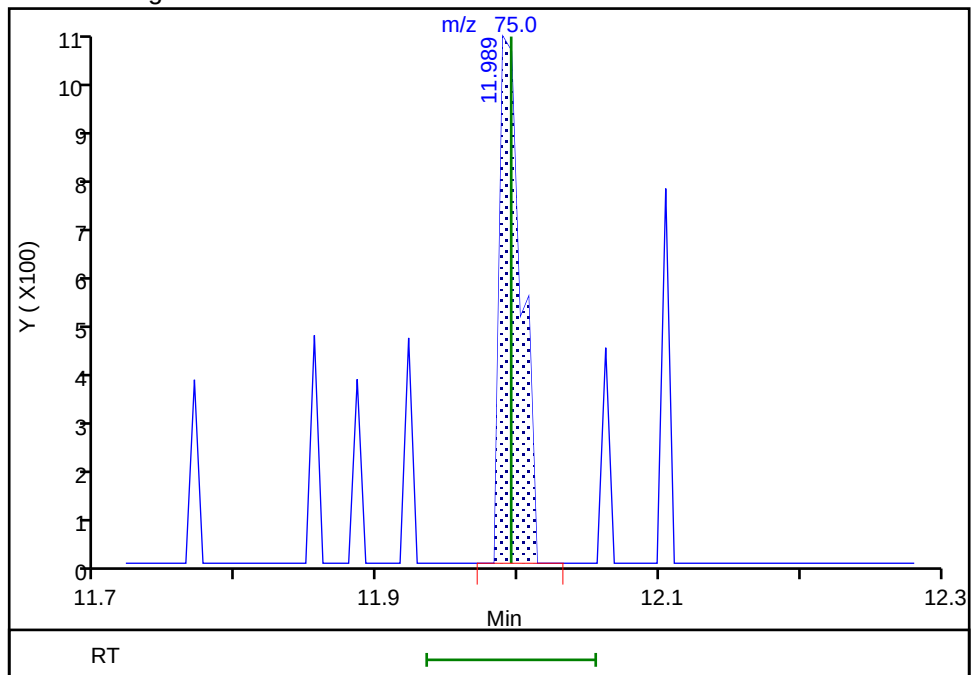
Not Detected

Expected RT: 11.99

Processing Integration Results



Manual Integration Results



RT: 11.99

Area: 1095

Amount: 0.436352

Amount Units: ug/L

Reviewer: HillL, 19-Jul-2018 23:03:02

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3708.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 19-Jul-2018 17:25:30 ALS Bottle#: 43 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0073226-007
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 20-Jul-2018 13:36:45 Calib Date: 20-Jul-2018 00:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3725.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: HillL

Date: 19-Jul-2018 23:13:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	206588	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	87	419688	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	96	381057	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.926	4.932	-0.006	56	238307	25.0	24.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	91	157443	25.0	25.3	
\$ 5 Toluene-d8 (Surr)	98	7.019	7.024	-0.005	92	927589	25.0	24.8	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	90	280969	25.0	24.8	
10 Dichlorodifluoromethane	85	1.276	1.288	-0.012	24	8514	1.00	0.7884	
12 Chloromethane	50	1.458	1.464	-0.006	75	18634	1.00	1.05	
13 Vinyl chloride	62	1.543	1.555	-0.012	47	14477	1.00	1.04	
151 Butadiene	54	1.580	1.580	0.000	76	12908	1.00	0.8612	
14 Bromomethane	94	1.902	1.872	0.030	68	9320	1.00	1.17	M
15 Chloroethane	64	1.975	1.981	-0.006	23	5888	1.00	0.7556	
17 Trichlorofluoromethane	101	2.194	2.200	-0.006	46	10579	1.00	0.7667	M
16 Dichlorofluoromethane	67	2.194	2.206	-0.012	42	18366	1.00	1.02	
18 Ethyl ether	59	2.492	2.498	-0.006	64	11016	1.00	0.9331	
20 Acrolein	56	2.681	2.693	-0.012	66	10229	5.00	5.30	
21 1,1,2-Trichloro-1,2,2-trif	101	2.687	2.705	-0.018	1	6049	1.00	0.7013	M
22 1,1-Dichloroethene	96	2.724	2.729	-0.005	55	6733	1.00	0.7219	M
23 Acetone	43	2.851	2.851	0.000	87	21846	5.00	4.81	
25 Iodomethane	142	2.888	2.894	-0.006	58	13032	1.00	0.9297	
26 Carbon disulfide	76	2.937	2.924	0.013	86	23981	1.00	0.8622	
28 3-Chloro-1-propene	41	3.095	3.094	0.001	68	16603	1.00	0.9599	
27 Methyl acetate	43	3.149	3.149	0.000	86	26801	2.00	2.08	
30 Methylene Chloride	84	3.247	3.259	-0.012	70	19546	1.00	1.01	
31 2-Methyl-2-propanol	59	3.423	3.429	-0.006	78	15020	10.0	9.68	
32 Methyl tert-butyl ether	73	3.454	3.453	0.001	84	33031	1.00	0.9759	
34 trans-1,2-Dichloroethene	96	3.478	3.472	0.006	68	10092	1.00	0.9871	
33 Acrylonitrile	53	3.539	3.539	0.000	97	61217	10.0	9.38	
35 Hexane	57	3.661	3.660	0.000	78	14102	1.00	0.7721	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.904	3.898	0.006	61	20591	1.00	0.99	
37 Vinyl acetate	43	3.953	3.952	0.000	94	50806	2.00	1.84	
44 2,2-Dichloropropane	77	4.415	4.421	-0.006	45	10968	1.00	0.9840	
45 cis-1,2-Dichloroethene	96	4.451	4.457	-0.006	63	11594	1.00	0.9639	
43 2-Butanone (MEK)	43	4.494	4.494	0.000	88	34584	5.00	4.74	M
48 Chlorobromomethane	128	4.695	4.694	0.001	87	5784	1.00	0.9771	
49 Tetrahydrofuran	42	4.713	4.713	0.000	82	9605	2.00	1.89	
50 Chloroform	83	4.774	4.774	0.000	47	20682	1.00	1.08	
51 1,1,1-Trichloroethane	97	4.871	4.883	-0.012	64	13240	1.00	0.9787	
52 Cyclohexane	56	4.877	4.883	-0.006	59	15514	1.00	0.8364	
55 Carbon tetrachloride	117	5.017	5.017	0.000	63	9383	1.00	0.7844	
54 1,1-Dichloropropene	75	5.035	5.029	0.006	53	11703	1.00	0.8480	
57 Benzene	78	5.242	5.242	0.000	46	43811	1.00	1.02	
53 Isobutyl alcohol	43	5.260	5.266	-0.006	37	17761	25.0	23.6	
58 1,2-Dichloroethane	62	5.321	5.315	0.006	18	17808	1.00	1.01	
59 n-Heptane	43	5.419	5.406	0.013	72	15095	1.00	0.7971	
62 Trichloroethene	95	5.845	5.850	-0.006	70	10184	1.00	0.9288	
64 Methylcyclohexane	83	5.960	5.960	0.000	64	17628	1.00	0.9828	
65 1,2-Dichloropropane	63	6.100	6.094	0.006	71	12154	1.00	1.00	
67 Dibromomethane	93	6.234	6.234	0.000	70	7295	1.00	1.02	
66 1,4-Dioxane	88	6.246	6.240	0.006	1	1965	20.0	14.3	
68 Dichlorobromomethane	83	6.386	6.386	0.000	68	12861	1.00	0.9563	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	46	7161	1.00	0.8304	a
72 cis-1,3-Dichloropropene	75	6.800	6.805	-0.005	55	12771	1.00	0.8448	
73 4-Methyl-2-pentanone (MIBK)	43	6.946	6.951	-0.005	95	73536	5.00	4.87	
74 Toluene	92	7.086	7.085	0.001	83	26993	1.00	0.9858	
77 trans-1,3-Dichloropropene	75	7.371	7.371	0.000	73	12020	1.00	0.8595	
75 Ethyl methacrylate	69	7.414	7.414	0.000	77	13459	1.00	0.9199	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	62	7554	1.00	0.8884	
81 Tetrachloroethene	166	7.615	7.621	-0.006	65	9687	1.00	0.9040	
82 1,3-Dichloropropane	76	7.724	7.724	0.000	63	17190	1.00	0.9571	
80 2-Hexanone	43	7.791	7.791	0.000	75	53574	5.00	4.79	
83 Chlorodibromomethane	129	7.968	7.961	0.007	33	9514	1.00	0.9812	
84 Ethylene Dibromide	107	8.071	8.065	0.006	65	10954	1.00	1.00	
87 Chlorobenzene	112	8.540	8.539	0.001	85	33200	1.00	1.09	
88 Ethylbenzene	91	8.625	8.631	-0.006	80	44901	1.00	0.9360	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.637	0.006	26	9942	1.00	1.02	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	88	17923	1.00	0.9319	
91 o-Xylene	106	9.178	9.178	0.000	86	15900	1.00	0.8645	
92 Styrene	104	9.209	9.208	0.001	78	30741	1.00	0.9807	
95 Bromoform	173	9.470	9.464	0.006	30	4046	1.00	1.26	
94 Isopropylbenzene	105	9.555	9.561	-0.006	80	40960	1.00	0.9018	
101 Bromobenzene	156	9.914	9.908	0.006	73	10853	1.00	0.8840	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	49	14579	1.00	1.01	
99 N-Propylbenzene	91	9.981	9.981	0.000	93	50869	1.00	0.9339	
100 1,2,3-Trichloropropane	110	10.006	9.999	0.007	31	3572	1.00	0.7506	
98 trans-1,4-Dichloro-2-buten	53	10.012	10.018	-0.006	1	1577	1.00	0.4805	M
103 2-Chlorotoluene	126	10.085	10.091	-0.006	85	10998	1.00	0.9230	
102 1,3,5-Trimethylbenzene	105	10.158	10.158	0.000	88	35528	1.00	0.9361	
105 4-Chlorotoluene	126	10.200	10.200	0.000	66	12570	1.00	1.06	
106 tert-Butylbenzene	134	10.480	10.474	0.006	66	7197	1.00	0.8539	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	72	36616	1.00	0.9079	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.681	0.006	71	45287	1.00	0.9398	
110 4-Isopropyltoluene	119	10.821	10.821	0.000	81	38112	1.00	0.9454	
111 1,3-Dichlorobenzene	146	10.821	10.827	-0.006	58	22183	1.00	0.9812	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	63	24352	1.00	1.00	
115 n-Butylbenzene	91	11.204	11.210	-0.006	78	30770	1.00	0.8677	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	80	24524	1.00	1.07	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	10	2211	1.00	0.8748	
119 1,2,4-Trichlorobenzene	180	12.658	12.664	-0.006	55	15381	1.00	0.9838	
120 Hexachlorobutadiene	225	12.768	12.767	0.001	57	6677	1.00	0.9473	
121 Naphthalene	128	12.877	12.877	0.000	82	40023	1.00	0.9404	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	53	16526	1.00	1.11	
S 126 1,3-Dichloropropene, Total	1				0			1.70	
S 125 1,2-Dichloroethene, Total	1				0			1.95	
S 124 Xylenes, Total	1				0			1.80	
S 123 Total BTEX	1				0			4.74	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00129

Amount Added: 1.00

Units: uL

GAS CORP mix_00291

Amount Added: 1.00

Units: uL

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00277

Amount Added: 1.00

Units: uL

Run Reagent

Operator ID: LH

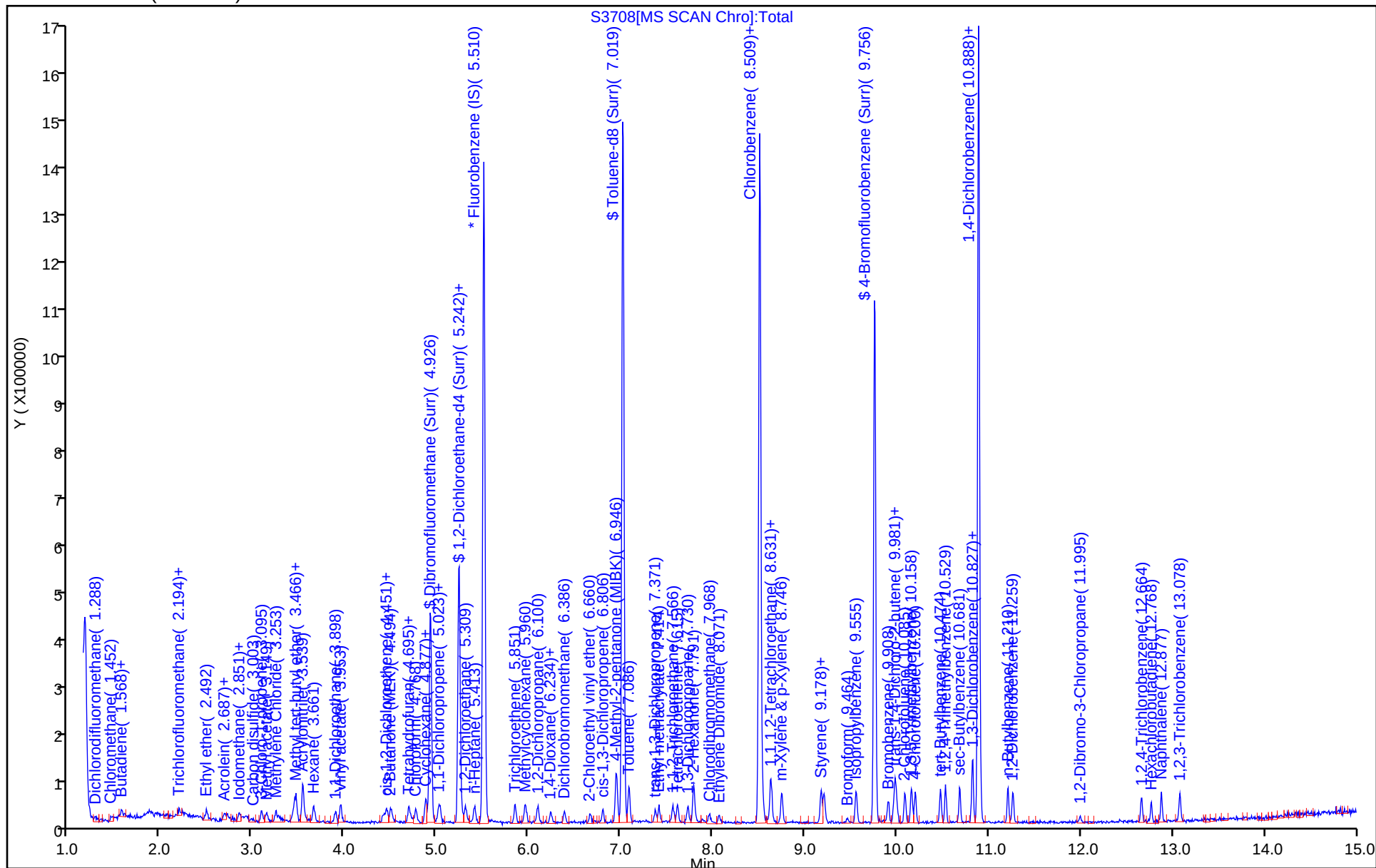
Worklist Smp#: 7

Client ID:

ALS Bottle#: 43

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3708.D

Injection Date: 19-Jul-2018 17:25:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

43

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

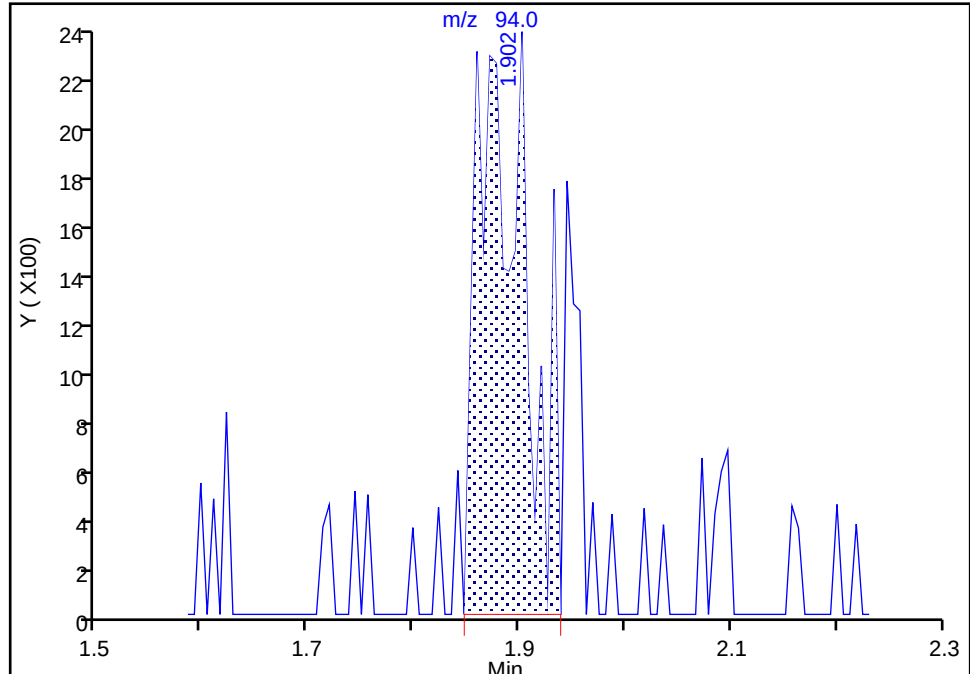
Detector: MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

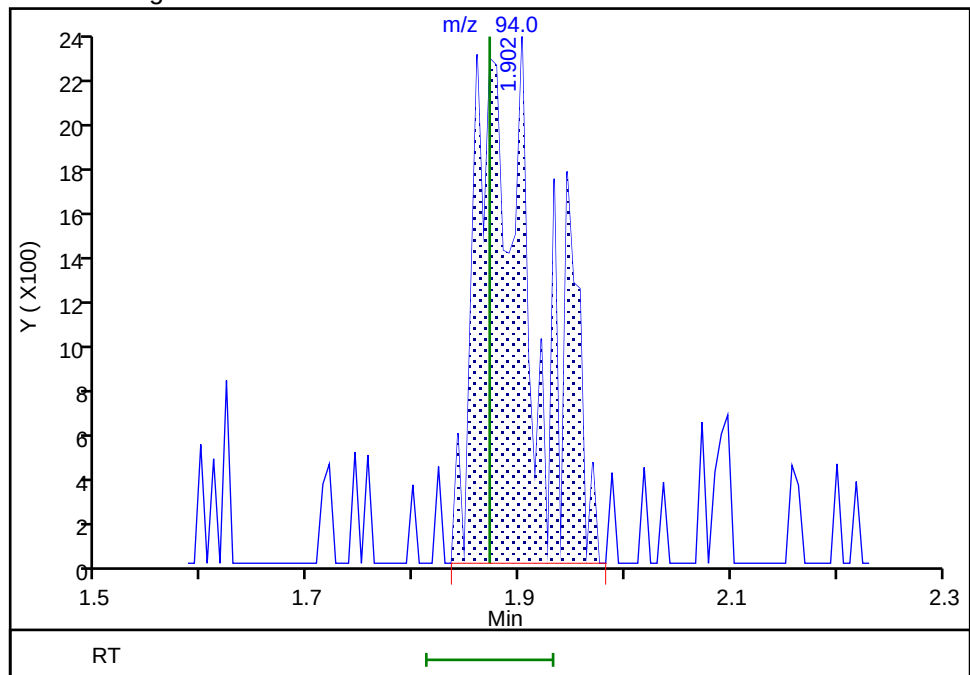
RT: 1.90
Area: 7373
Amount: 0.850516
Amount Units: ug/L

Processing Integration Results



RT: 1.90
Area: 9320
Amount: 1.174152
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 23:05:36

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3708.D

Injection Date: 19-Jul-2018 17:25:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

43

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

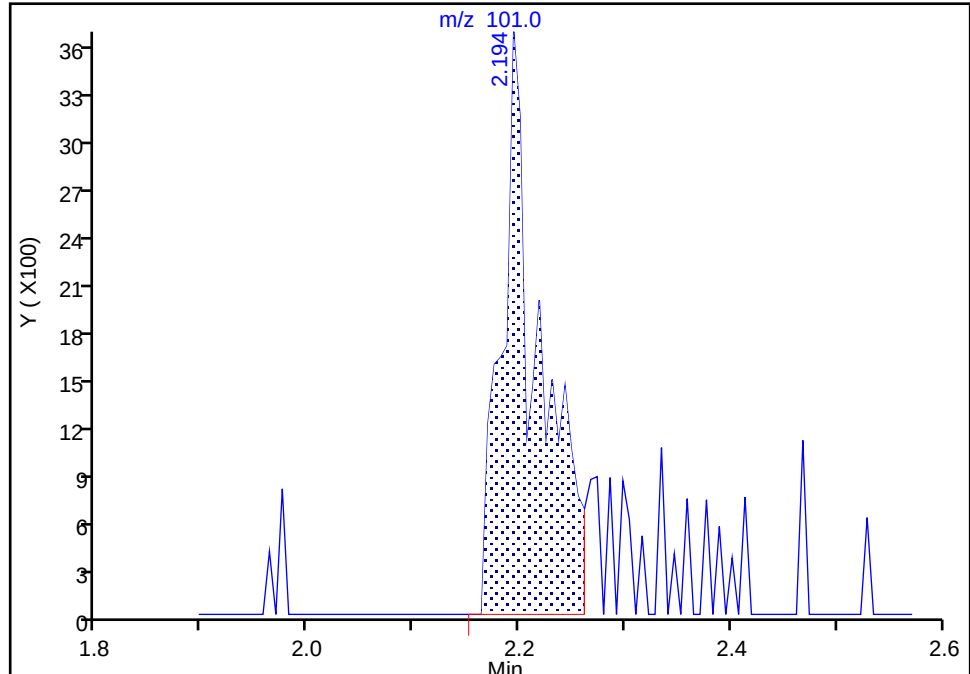
MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

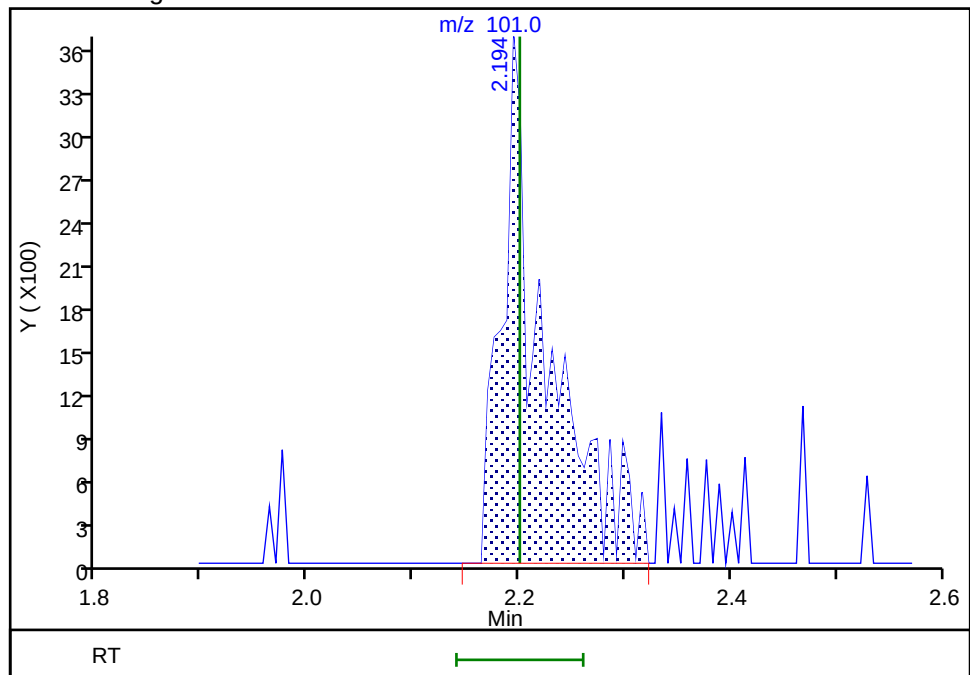
RT: 2.19
Area: 8953
Amount: 0.977538
Amount Units: ug/L

Processing Integration Results



RT: 2.19
Area: 10579
Amount: 0.766709
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 23:05:52

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3708.D

Injection Date: 19-Jul-2018 17:25:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

43

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

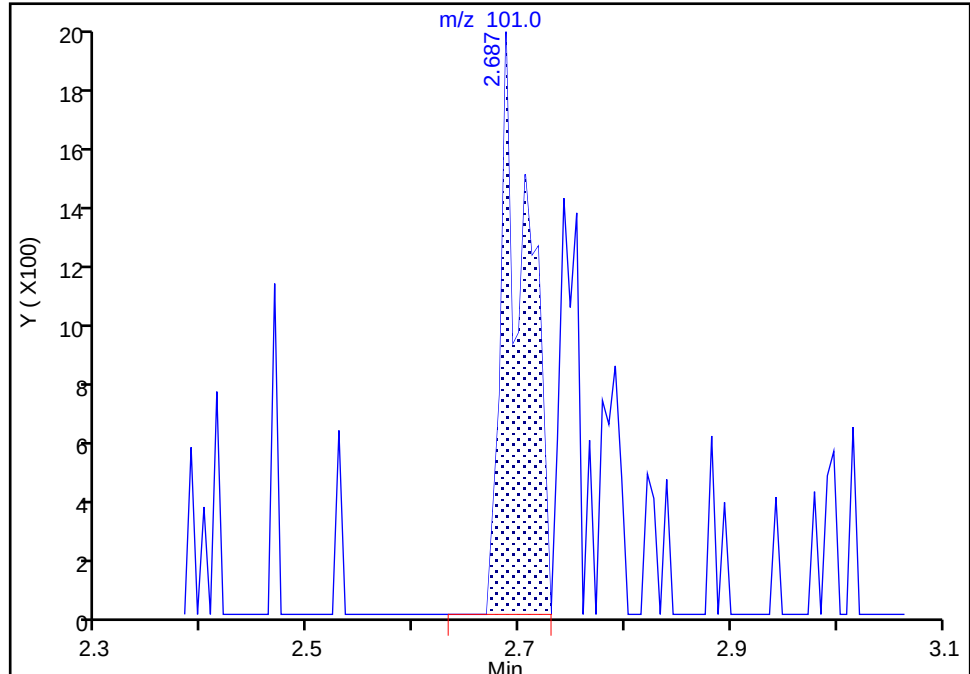
MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

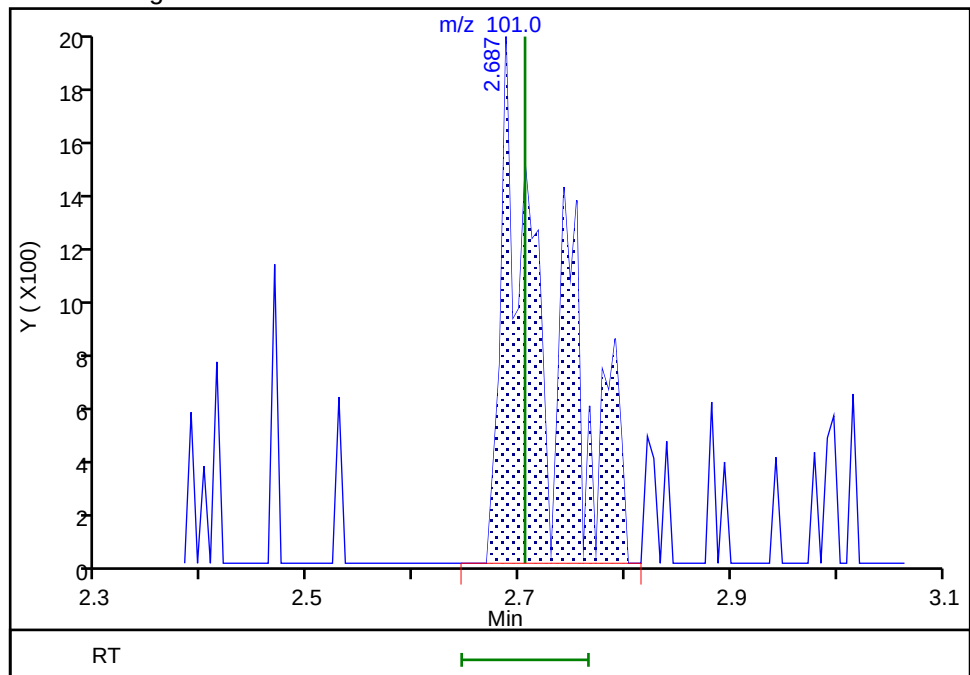
RT: 2.69
Area: 3350
Amount: 0.750624
Amount Units: ug/L

Processing Integration Results



RT: 2.69
Area: 6049
Amount: 0.701348
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 23:07:10

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3708.D

Injection Date: 19-Jul-2018 17:25:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

43

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

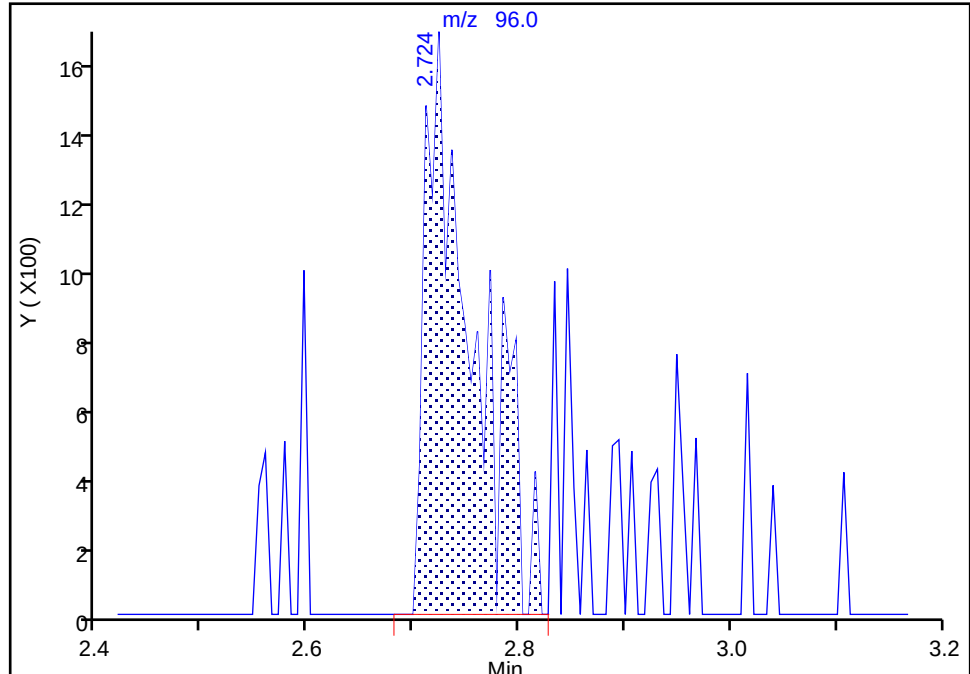
Detector: MS SCAN

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

Signal: 1

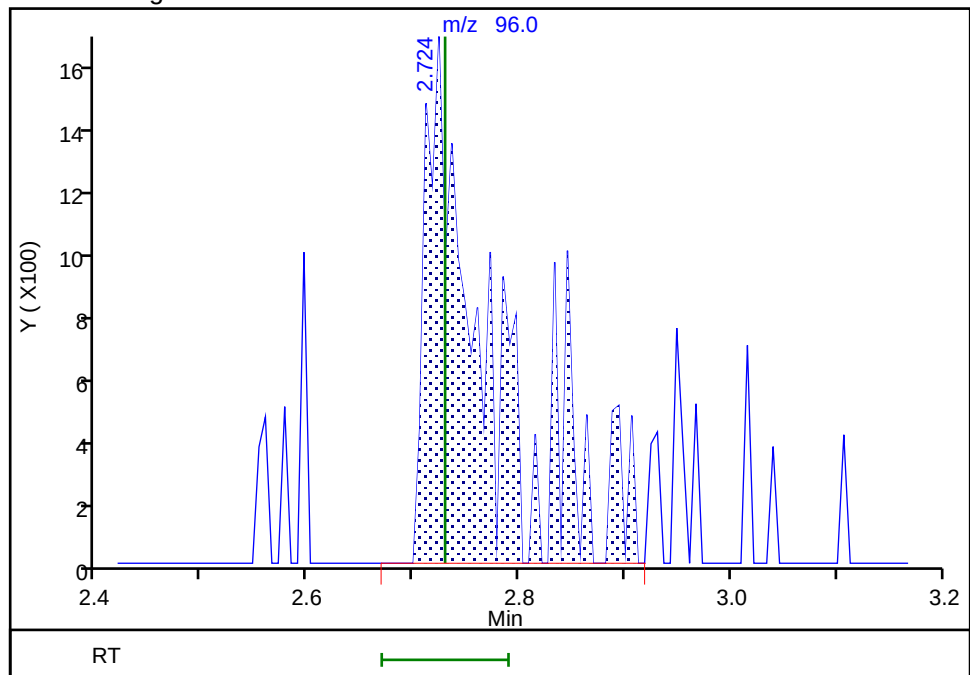
RT: 2.72
Area: 5208
Amount: 0.588308
Amount Units: ug/L

Processing Integration Results



RT: 2.72
Area: 6733
Amount: 0.721868
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 23:07:29

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

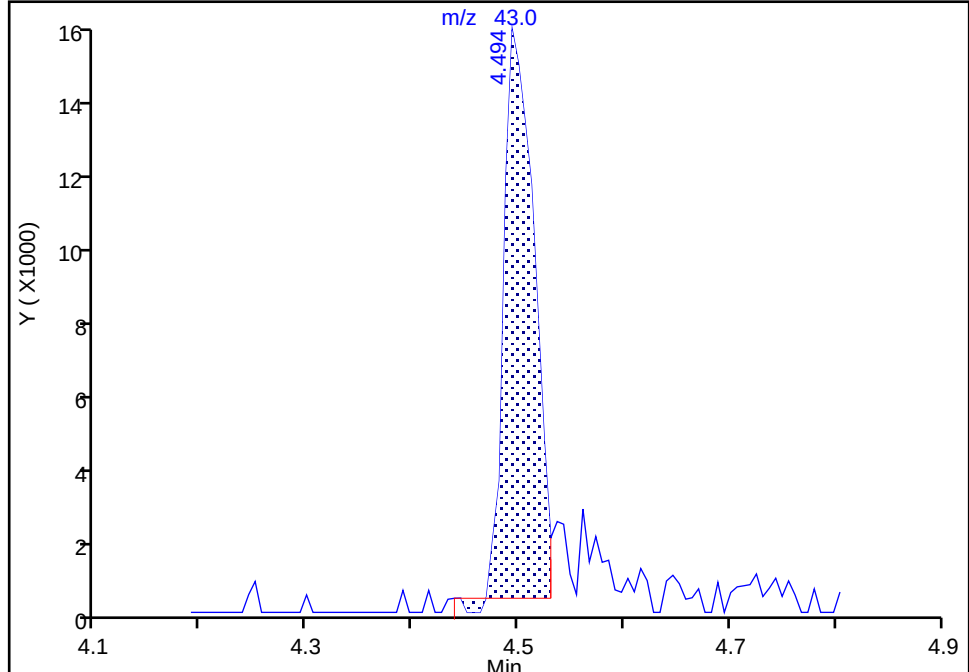
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3708.D
Injection Date: 19-Jul-2018 17:25:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 43 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

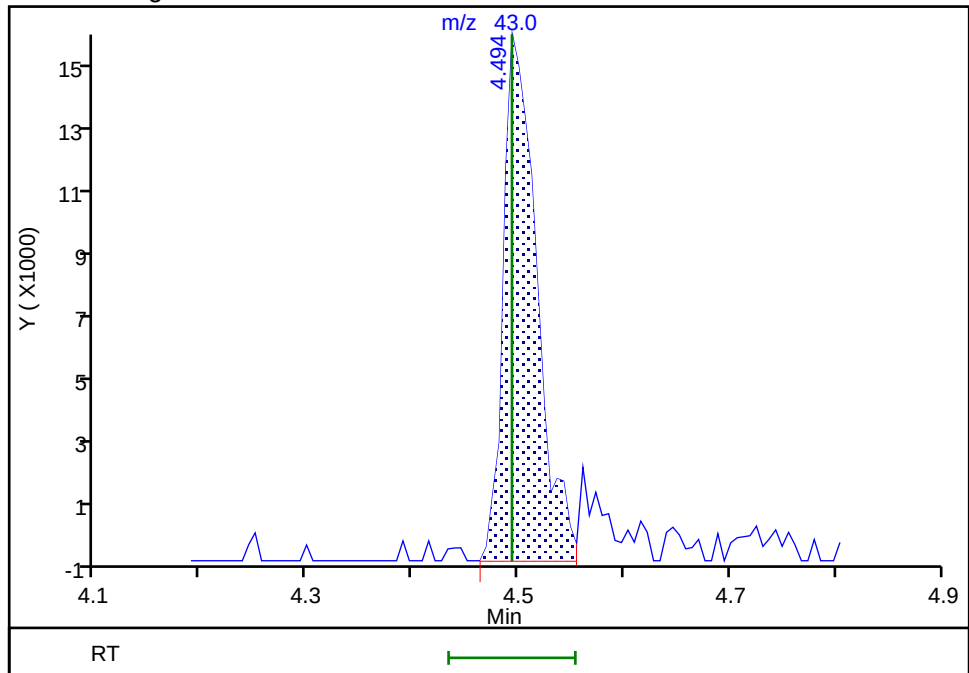
RT: 4.49
Area: 30213
Amount: 4.199560
Amount Units: ug/L

Processing Integration Results



RT: 4.49
Area: 34584
Amount: 4.735199
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 19-Jul-2018 23:08:33
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3708.D

Injection Date: 19-Jul-2018 17:25:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

43

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

MS SCAN

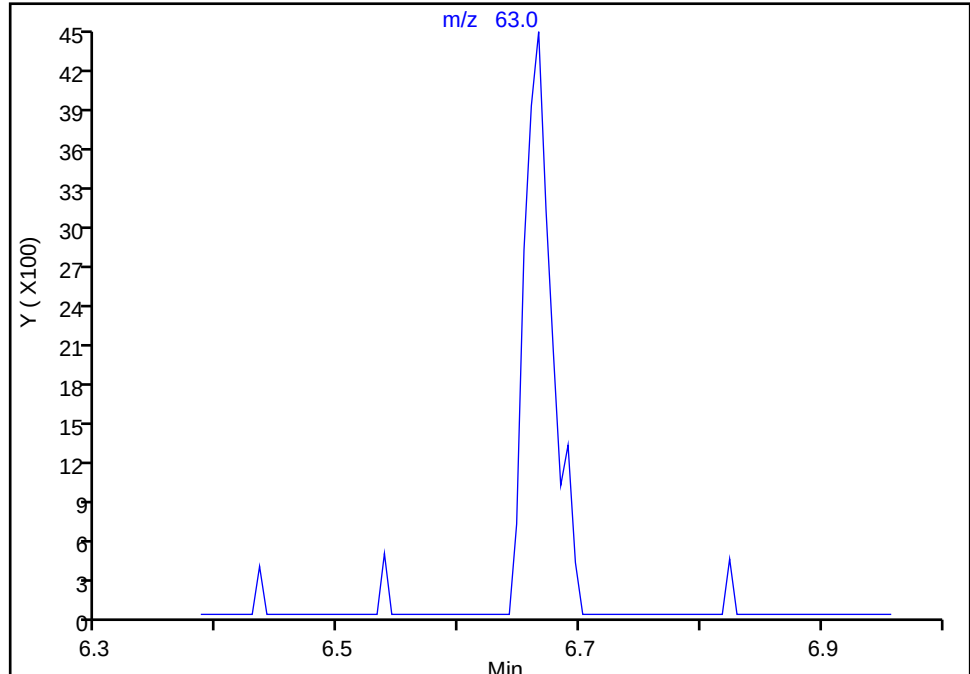
69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

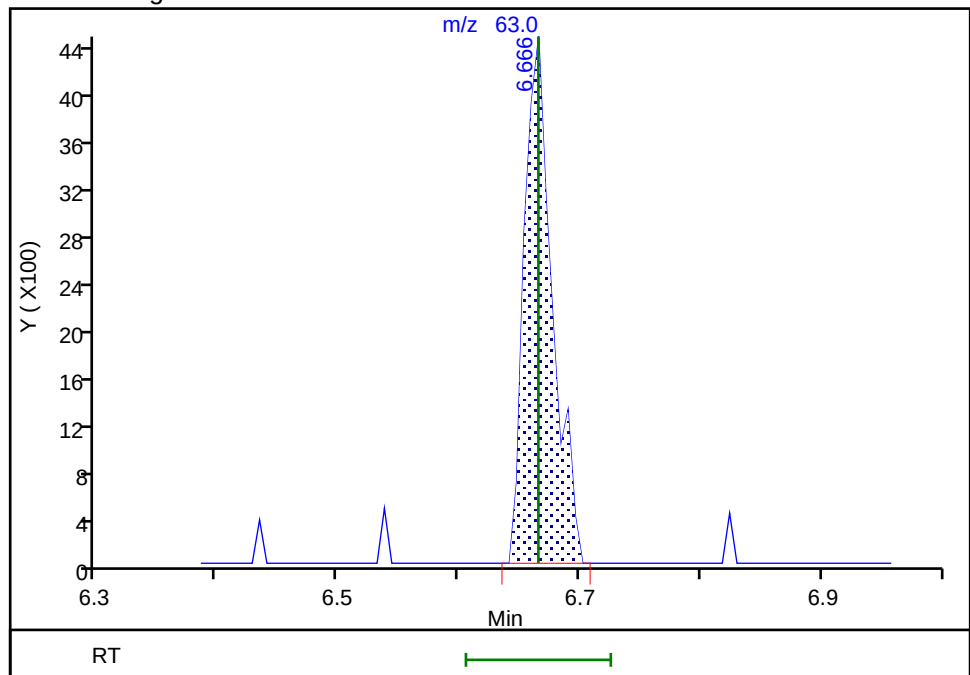
Not Detected

Expected RT: 6.67

Processing Integration Results



Manual Integration Results



RT: 6.67

Area: 7161

Amount: 0.830428

Amount Units: ug/L

Reviewer: HillL, 19-Jul-2018 23:12:18

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3708.D

Injection Date: 19-Jul-2018 17:25:30

Instrument ID: HP5973S

Lims ID: IC

Client ID:

Operator ID: LH

ALS Bottle#:

43

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

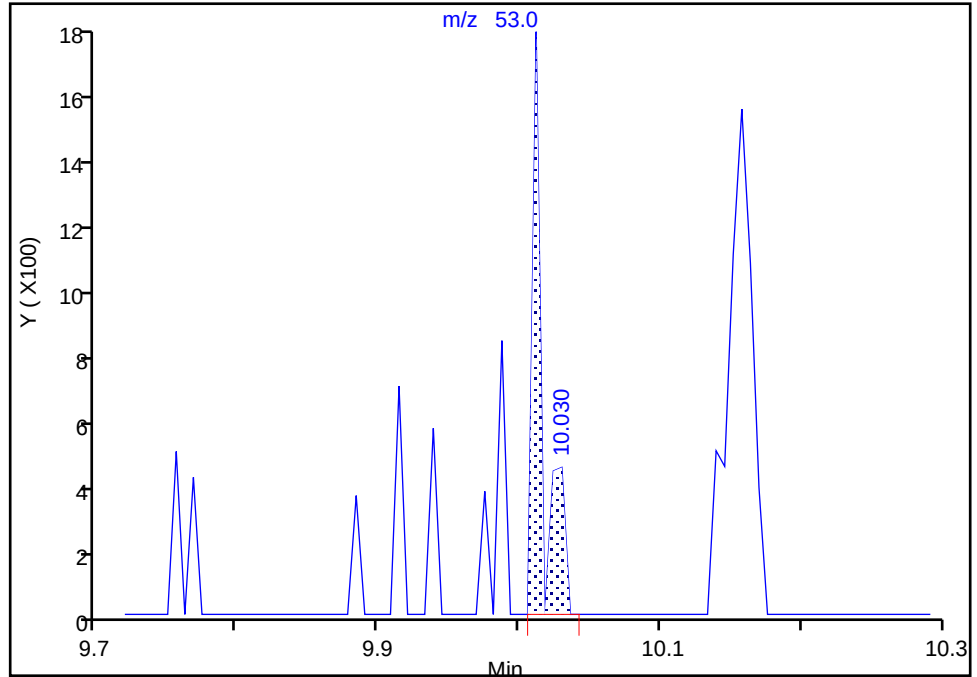
MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

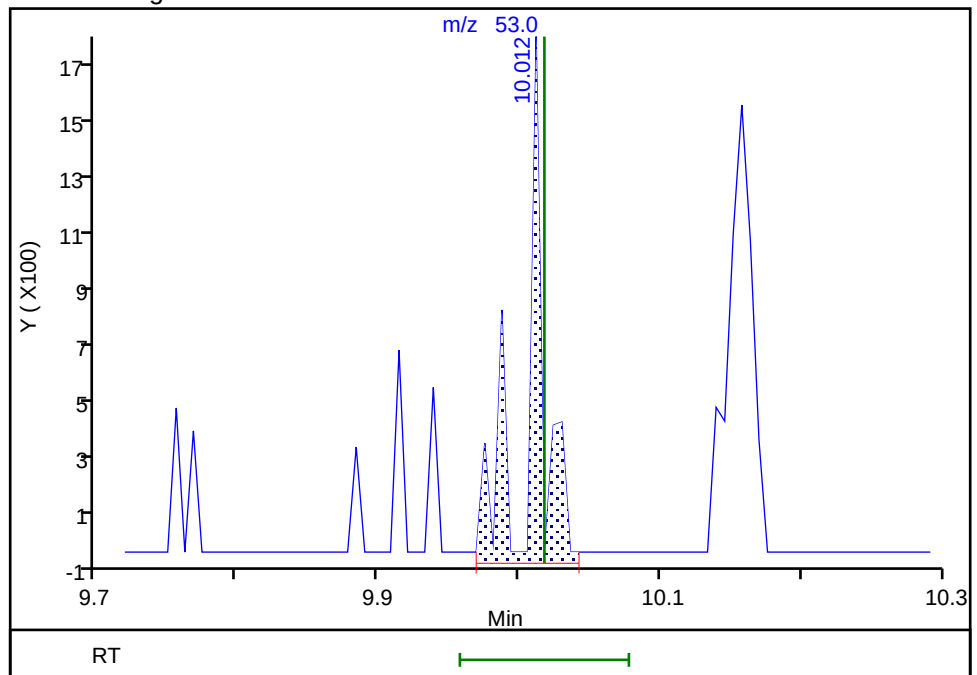
RT: 10.03
Area: 960
Amount: 0.325341
Amount Units: ug/L

Processing Integration Results



RT: 10.01
Area: 1577
Amount: 0.480497
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:32:15

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3709.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 19-Jul-2018 17:49:30 ALS Bottle#: 44 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0073226-008
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 20-Jul-2018 13:36:49 Calib Date: 20-Jul-2018 00:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3725.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: HillL

Date: 20-Jul-2018 12:22:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	203632	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	428246	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	96	384078	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	57	242779	25.0	25.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	90	157892	25.0	25.7	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.024	0.000	91	941961	25.0	24.7	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	90	283419	25.0	24.5	
10 Dichlorodifluoromethane	85	1.282	1.288	-0.006	76	18076	2.00	1.70	
12 Chloromethane	50	1.458	1.464	-0.006	78	36406	2.00	2.08	
13 Vinyl chloride	62	1.555	1.555	0.000	77	27822	2.00	2.03	
151 Butadiene	54	1.574	1.580	-0.006	91	27766	2.00	1.88	M
14 Bromomethane	94	1.878	1.872	0.006	71	16177	2.00	2.07	
15 Chloroethane	64	1.993	1.981	0.012	13	14475	2.00	1.88	M
17 Trichlorofluoromethane	101	2.194	2.200	-0.006	61	26857	2.00	1.97	M
16 Dichlorofluoromethane	67	2.194	2.206	-0.012	58	33944	2.00	1.92	M
18 Ethyl ether	59	2.492	2.498	-0.006	72	21329	2.00	1.83	
20 Acrolein	56	2.693	2.693	0.000	43	18477	10.0	9.71	
21 1,1,2-Trichloro-1,2,2-trif	101	2.687	2.705	-0.018	1	14874	2.00	1.75	
22 1,1-Dichloroethene	96	2.723	2.729	-0.006	62	19735	2.00	2.15	M
23 Acetone	43	2.851	2.851	0.000	95	45239	10.0	10.1	M
25 Iodomethane	142	2.894	2.894	0.000	80	24828	2.00	1.80	
26 Carbon disulfide	76	2.924	2.924	0.000	89	53949	2.00	1.97	
28 3-Chloro-1-propene	41	3.095	3.094	0.001	78	31222	2.00	1.83	
27 Methyl acetate	43	3.149	3.149	0.000	93	42986	4.00	3.39	
30 Methylene Chloride	84	3.253	3.259	-0.006	73	28069	2.00	1.79	
31 2-Methyl-2-propanol	59	3.429	3.429	0.000	81	25834	20.0	16.9	M
32 Methyl tert-butyl ether	73	3.453	3.453	0.000	85	61822	2.00	1.85	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	88	19945	2.00	1.98	
33 Acrylonitrile	53	3.545	3.539	0.006	98	117972	20.0	18.3	
35 Hexane	57	3.666	3.660	0.006	78	33827	2.00	1.88	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.898	3.898	0.000	76	39149	2.00	1.91	
37 Vinyl acetate	43	3.952	3.952	0.000	94	97159	4.00	3.56	
44 2,2-Dichloropropane	77	4.427	4.421	0.006	78	19809	2.00	1.80	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	67	24074	2.00	2.03	
43 2-Butanone (MEK)	43	4.506	4.494	0.012	94	66695	10.0	9.26	
48 Chlorobromomethane	128	4.688	4.694	-0.006	86	9894	2.00	1.70	
49 Tetrahydrofuran	42	4.719	4.713	0.006	80	20817	4.00	4.15	M
50 Chloroform	83	4.768	4.774	-0.006	84	39349	2.00	2.09	
51 1,1,1-Trichloroethane	97	4.883	4.883	0.000	79	22986	2.00	1.72	
52 Cyclohexane	56	4.877	4.883	-0.006	80	32118	2.00	1.76	M
55 Carbon tetrachloride	117	5.017	5.017	0.000	68	22504	2.00	1.91	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	82	26582	2.00	1.95	
57 Benzene	78	5.242	5.242	0.000	54	89055	2.00	2.10	
53 Isobutyl alcohol	43	5.266	5.266	0.000	81	29672	50.0	40.0	Ma
58 1,2-Dichloroethane	62	5.309	5.315	-0.006	48	33745	2.00	1.95	
59 n-Heptane	43	5.412	5.406	0.006	87	36113	2.00	1.93	
62 Trichloroethene	95	5.844	5.850	-0.006	78	20538	2.00	1.90	
64 Methylcyclohexane	83	5.966	5.960	0.006	81	33362	2.00	1.89	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	77	21244	2.00	1.77	
67 Dibromomethane	93	6.234	6.234	0.000	73	12673	2.00	1.80	
66 1,4-Dioxane	88	6.246	6.240	0.006	17	5315	40.0	37.8	M
68 Dichlorobromomethane	83	6.380	6.386	-0.006	75	23997	2.00	1.81	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	64	16875	2.00	1.99	
72 cis-1,3-Dichloropropene	75	6.806	6.805	0.001	68	27641	2.00	1.85	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.951	0.001	96	130388	10.0	8.46	
74 Toluene	92	7.085	7.085	0.000	81	54388	2.00	1.95	
77 trans-1,3-Dichloropropene	75	7.371	7.371	0.000	80	23857	2.00	1.67	
75 Ethyl methacrylate	69	7.414	7.414	0.000	78	25258	2.00	1.69	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	68	16622	2.00	1.92	
81 Tetrachloroethene	166	7.621	7.621	0.000	80	19295	2.00	1.76	
82 1,3-Dichloropropane	76	7.730	7.724	0.006	88	33244	2.00	1.81	
80 2-Hexanone	43	7.791	7.791	0.000	92	100404	10.0	8.79	
83 Chlorodibromomethane	129	7.961	7.961	0.000	73	15198	2.00	1.54	
84 Ethylene Dibromide	107	8.071	8.065	0.006	75	19178	2.00	1.72	
87 Chlorobenzene	112	8.539	8.539	0.000	90	60338	2.00	1.93	
88 Ethylbenzene	91	8.631	8.631	0.000	95	91378	2.00	1.87	
89 1,1,1,2-Tetrachloroethane	131	8.637	8.637	0.000	32	16842	2.00	1.69	
90 m-Xylene & p-Xylene	106	8.746	8.752	-0.006	95	36339	2.00	1.85	
91 o-Xylene	106	9.172	9.178	-0.006	89	31587	2.00	1.68	
92 Styrene	104	9.209	9.208	0.000	89	57158	2.00	1.79	
95 Bromoform	173	9.464	9.464	0.000	78	7882	2.00	1.83	
94 Isopropylbenzene	105	9.555	9.561	-0.006	88	90427	2.00	1.98	
101 Bromobenzene	156	9.908	9.908	0.000	89	23859	2.00	1.93	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	55	28901	2.00	1.99	
99 N-Propylbenzene	91	9.981	9.981	0.000	97	105385	2.00	1.92	
100 1,2,3-Trichloropropane	110	10.005	9.999	0.006	58	9141	2.00	1.91	
98 trans-1,4-Dichloro-2-buten	53	10.018	10.018	0.000	25	4387	2.00	1.33	
103 2-Chlorotoluene	126	10.097	10.091	0.006	85	25514	2.00	2.12	
102 1,3,5-Trimethylbenzene	105	10.158	10.158	0.000	79	70151	2.00	1.83	
105 4-Chlorotoluene	126	10.200	10.200	0.000	65	21556	2.00	1.81	
106 tert-Butylbenzene	134	10.468	10.474	-0.006	82	15221	2.00	1.79	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	67	78445	2.00	1.93	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.681	10.681	0.000	88	89499	2.00	1.84	
110 4-Isopropyltoluene	119	10.827	10.821	0.006	93	75651	2.00	1.86	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	71	43312	2.00	1.90	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	85	46091	2.00	1.88	
115 n-Butylbenzene	91	11.210	11.210	0.000	89	63296	2.00	1.77	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	88	46490	2.00	2.02	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	15	4466	2.00	1.75	
119 1,2,4-Trichlorobenzene	180	12.658	12.664	-0.006	73	31288	2.00	1.99	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	72	14531	2.00	2.05	
121 Naphthalene	128	12.877	12.877	0.000	94	77521	2.00	1.81	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	82	25785	2.00	1.71	
S 126 1,3-Dichloropropene, Total	1				0			3.53	
S 125 1,2-Dichloroethene, Total	1				0			4.01	
S 124 Xylenes, Total	1				0			3.53	
S 123 Total BTEX	1				0			9.45	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00129

Amount Added: 2.00

Units: uL

GAS CORP mix_00291

Amount Added: 2.00

Units: uL

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00277

Amount Added: 1.00

Units: uL

Run Reagent

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180719-73226.b\\S3709.D

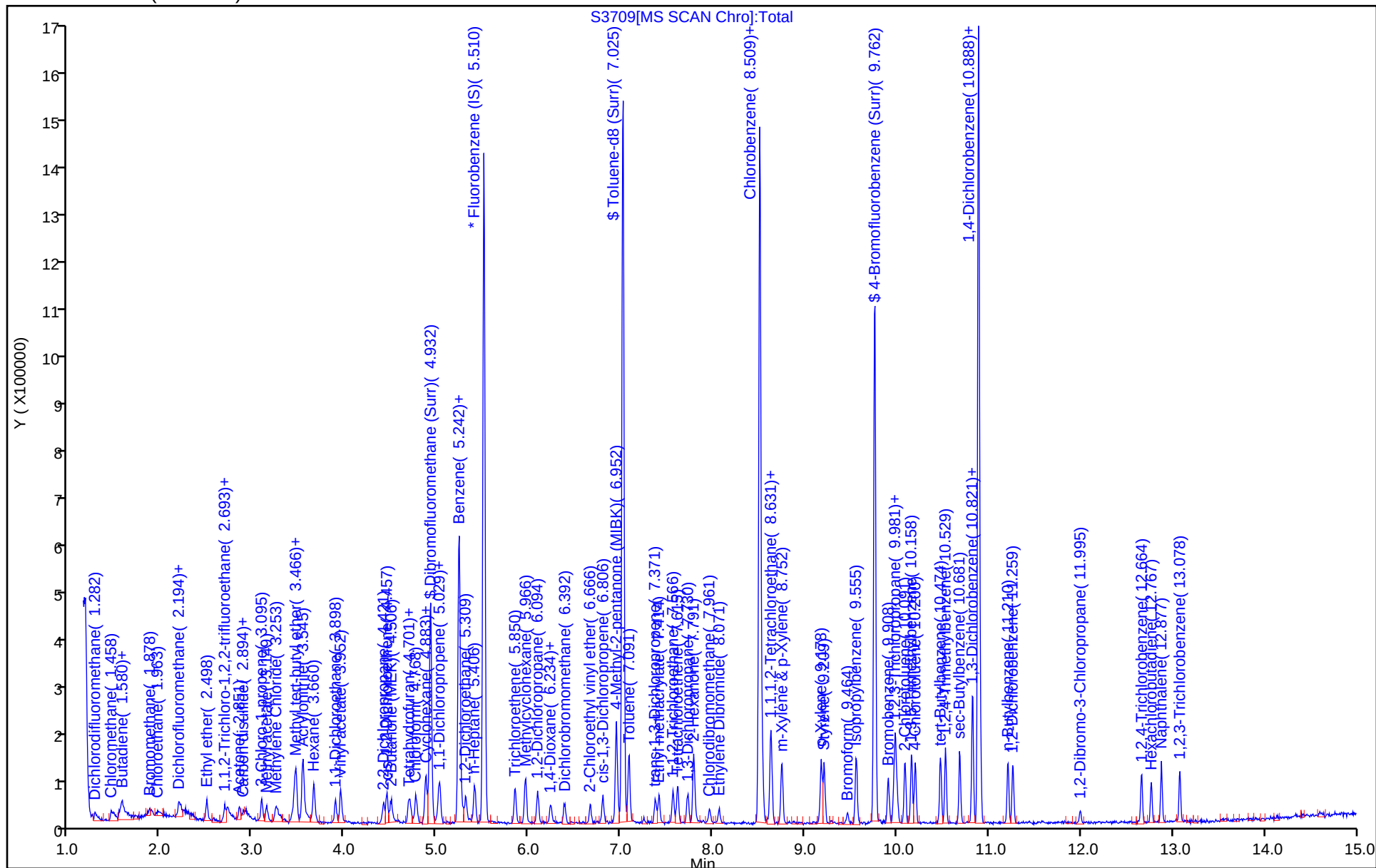
Operator ID: LH

Worklist Smp#: 8

ALS Bottle#: 44

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3709.D

Injection Date: 19-Jul-2018 17:49:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

44

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

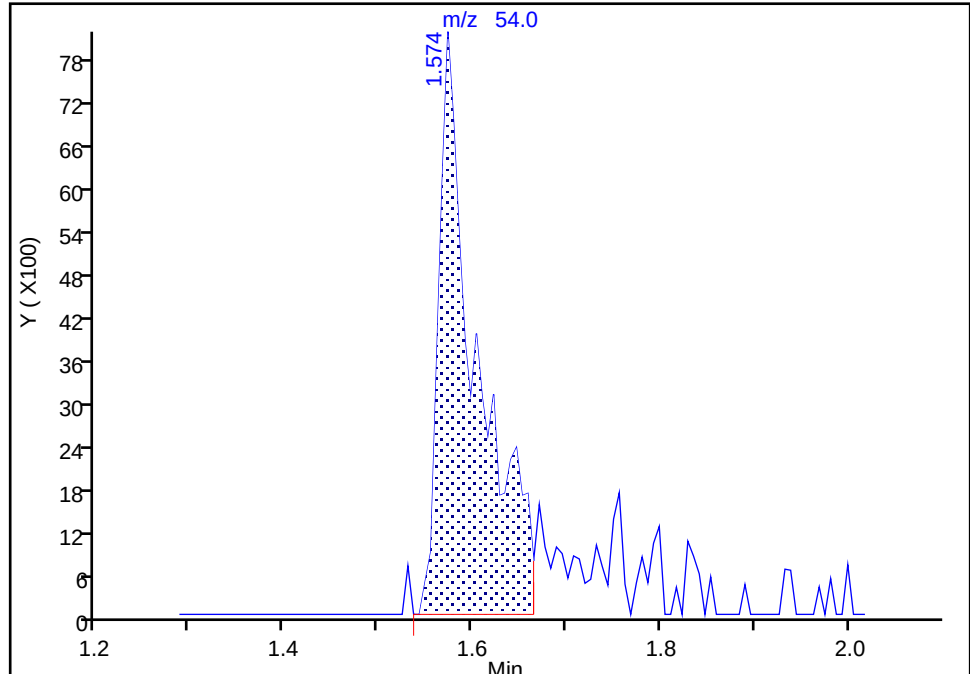
Detector: MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

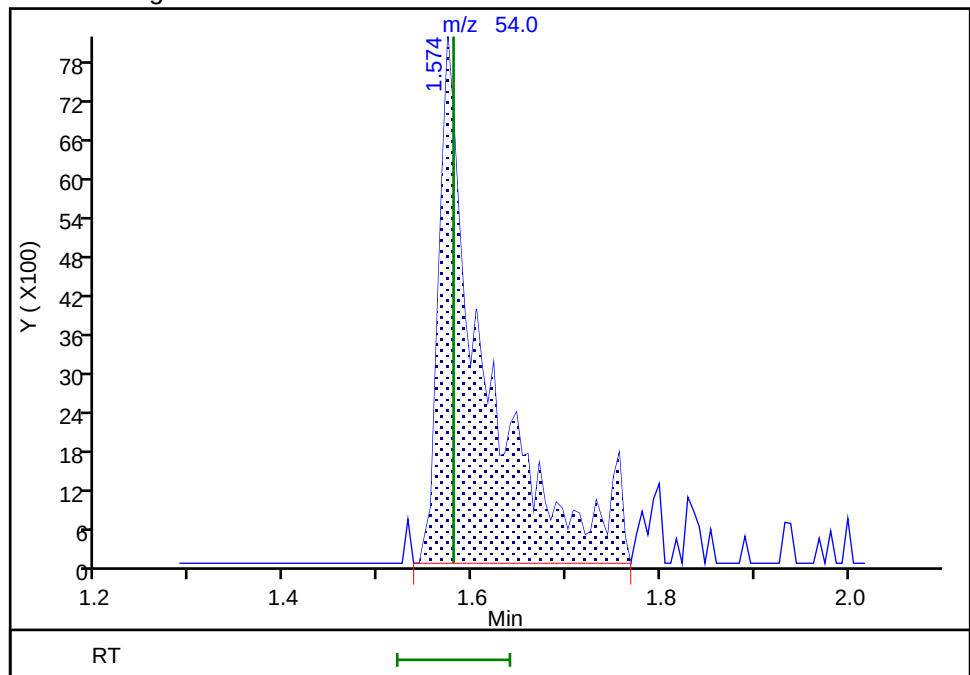
RT: 1.57
Area: 22841
Amount: 1.639788
Amount Units: ug/L

Processing Integration Results



RT: 1.57
Area: 27766
Amount: 1.879306
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:18:01

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3709.D

Injection Date: 19-Jul-2018 17:49:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

44

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

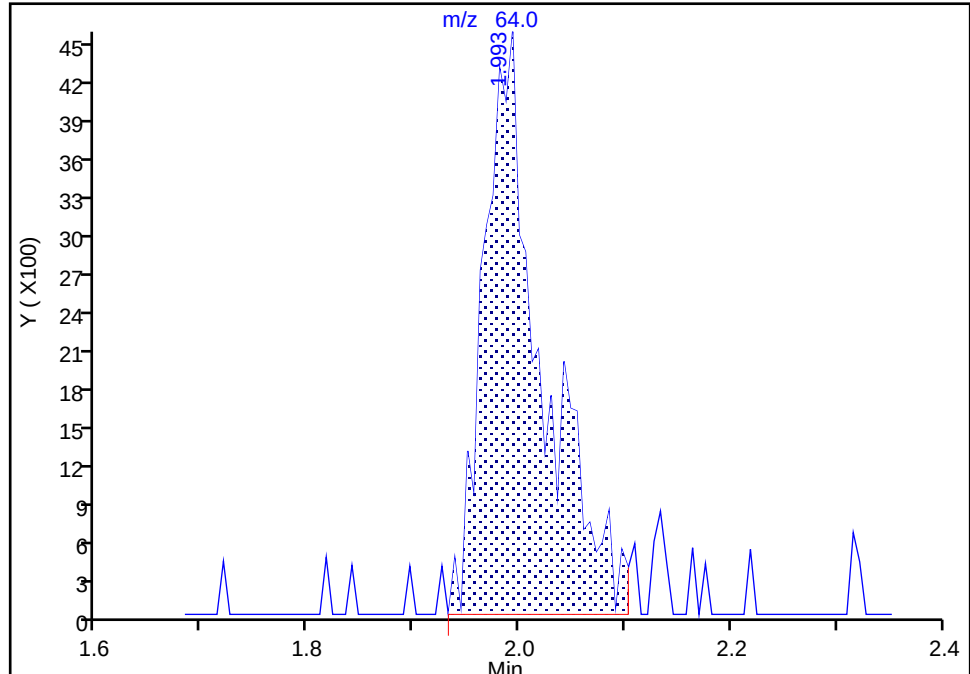
Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

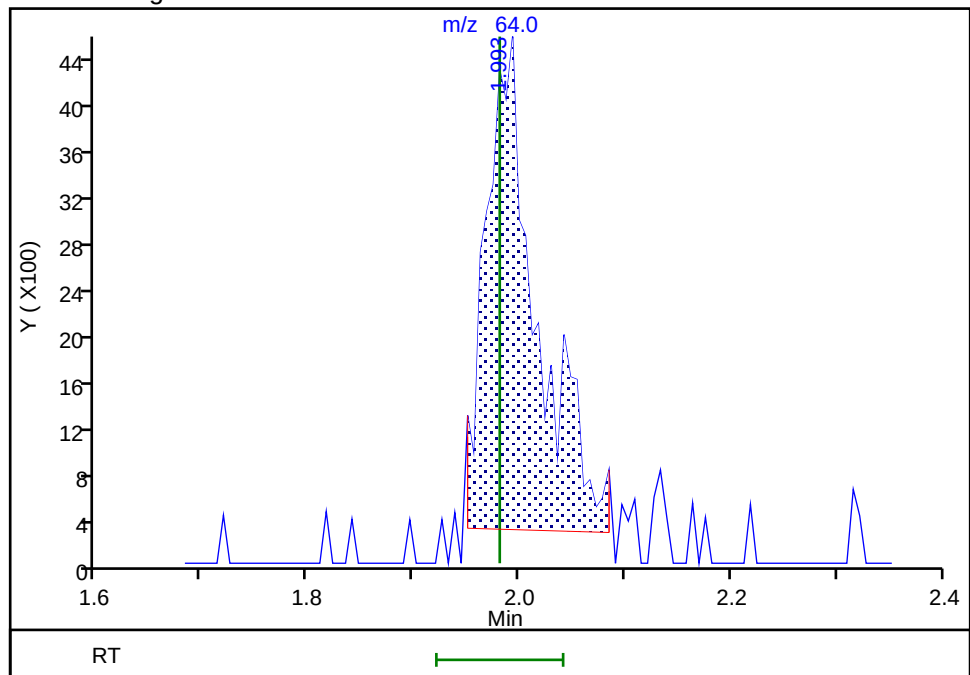
RT: 1.99
Area: 17352
Amount: 2.326137
Amount Units: ug/L

Processing Integration Results



RT: 1.99
Area: 14475
Amount: 1.884619
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:18:11

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3709.D

Injection Date: 19-Jul-2018 17:49:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

44

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

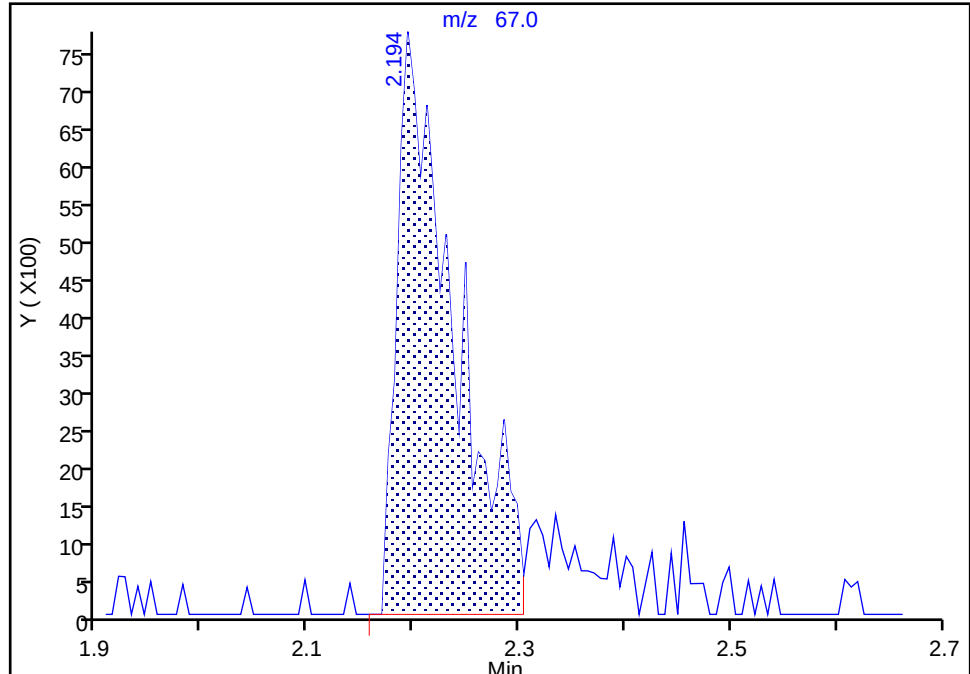
Detector: MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

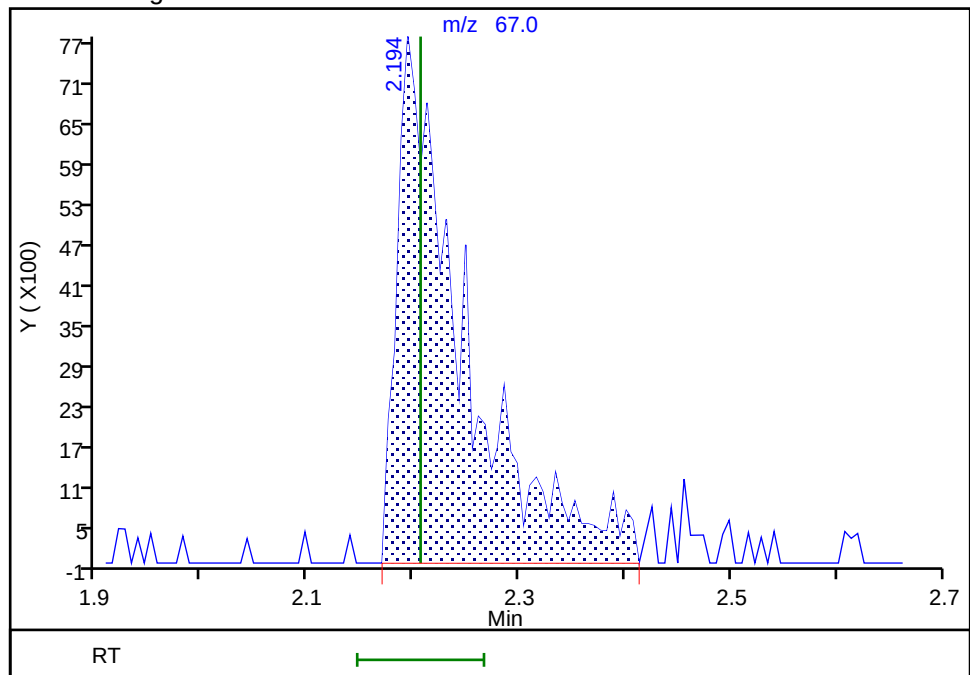
RT: 2.19
Area: 29043
Amount: 1.767572
Amount Units: ug/L

Processing Integration Results



RT: 2.19
Area: 33944
Amount: 1.920005
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:18:31

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3709.D

Injection Date: 19-Jul-2018 17:49:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

44

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

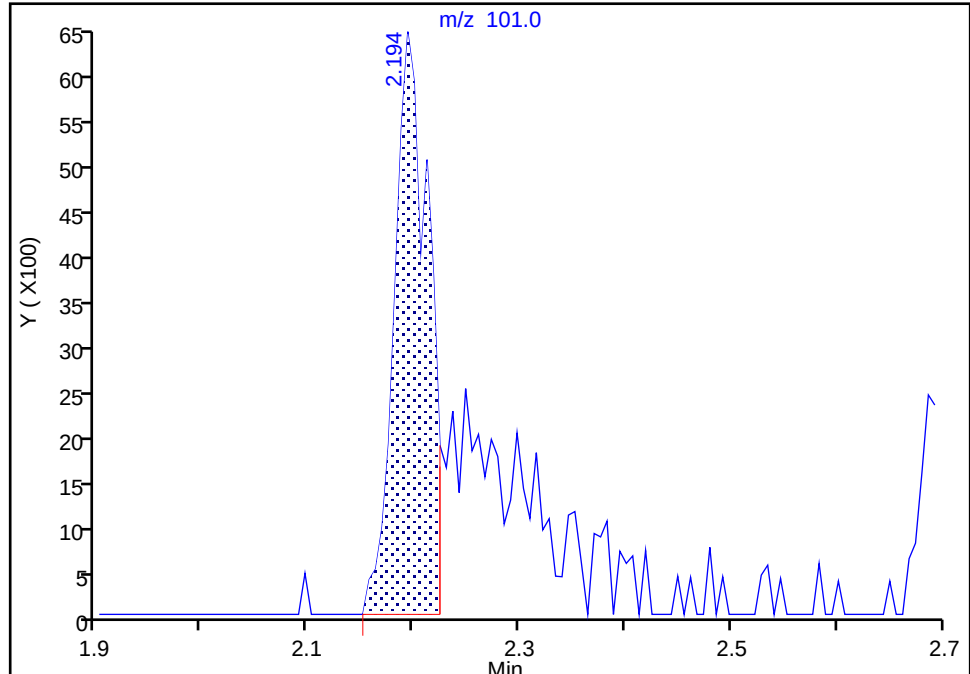
Detector: MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

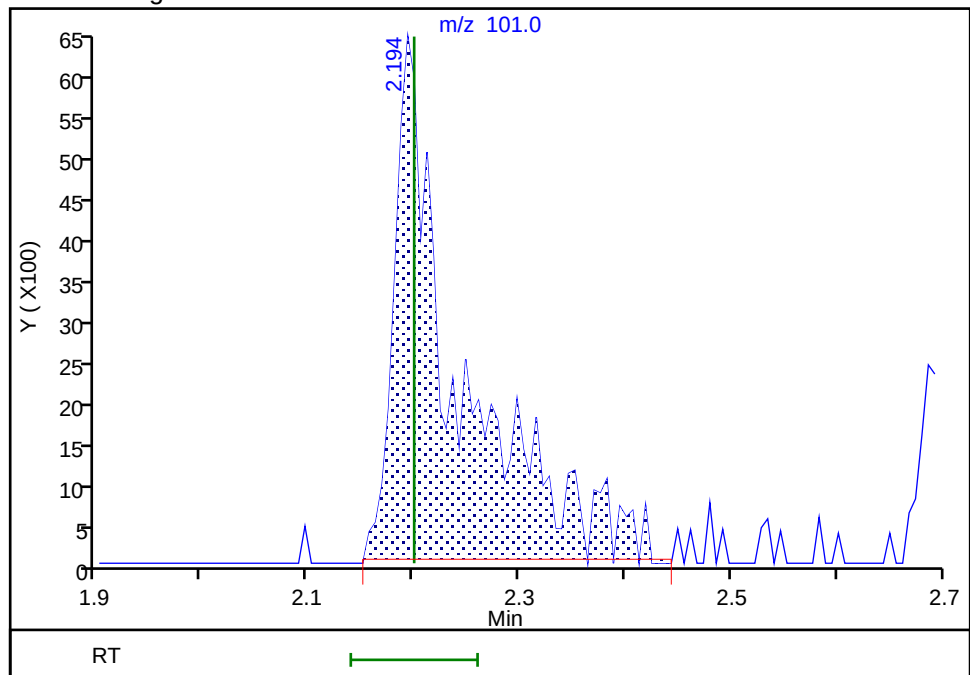
RT: 2.19
Area: 14473
Amount: 1.339229
Amount Units: ug/L

Processing Integration Results



RT: 2.19
Area: 26857
Amount: 1.974705
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:18:18

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3709.D

Injection Date: 19-Jul-2018 17:49:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

44

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

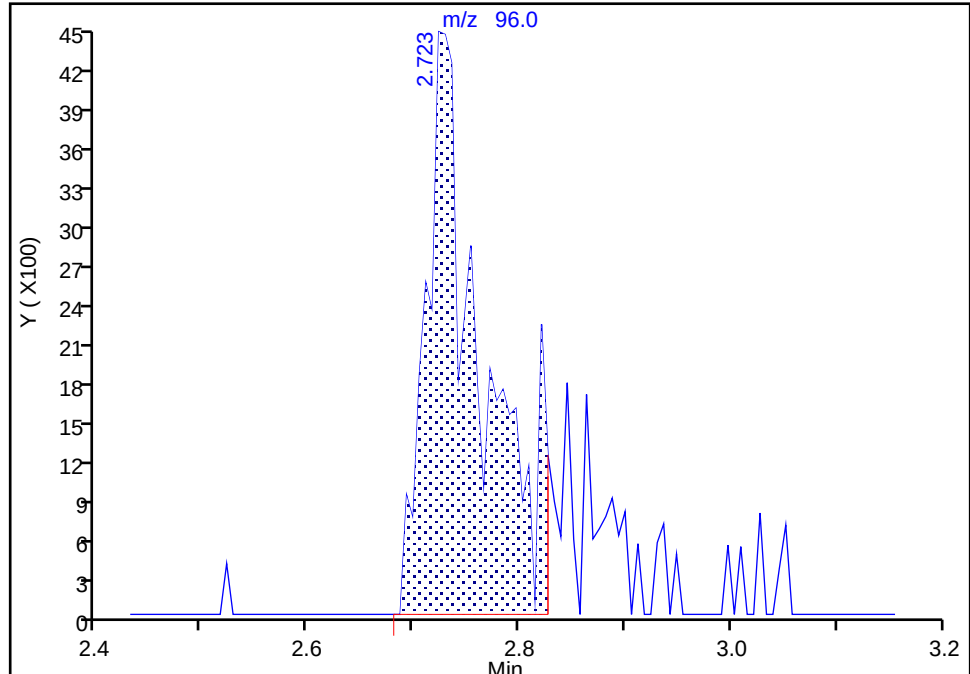
Detector: MS SCAN

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

Signal: 1

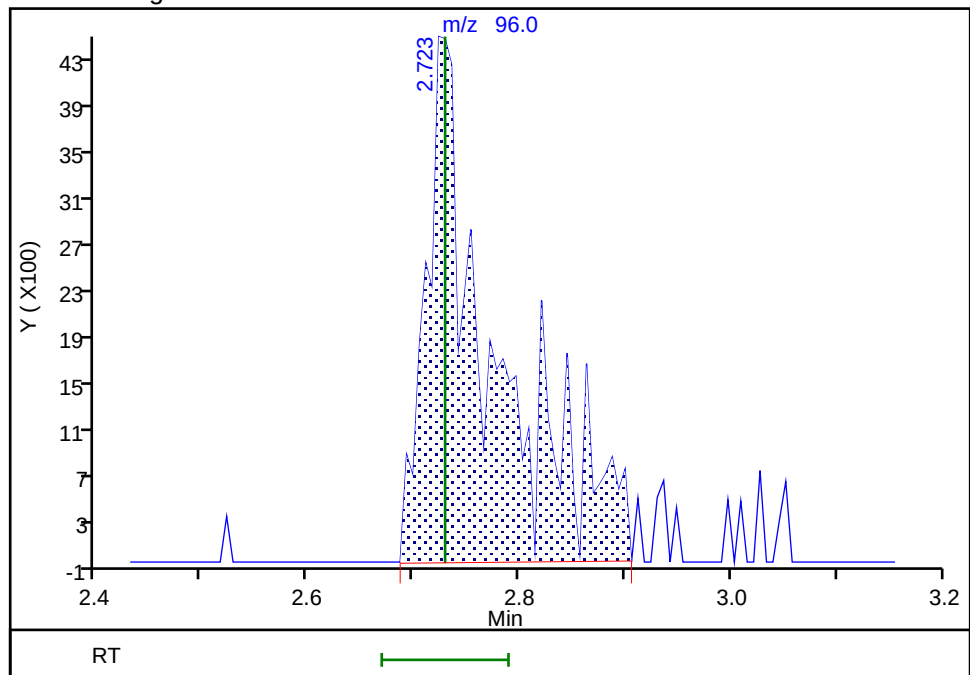
RT: 2.72
Area: 16191
Amount: 1.810955
Amount Units: ug/L

Processing Integration Results



RT: 2.72
Area: 19735
Amount: 2.146572
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:18:49

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3709.D

Injection Date: 19-Jul-2018 17:49:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

44

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

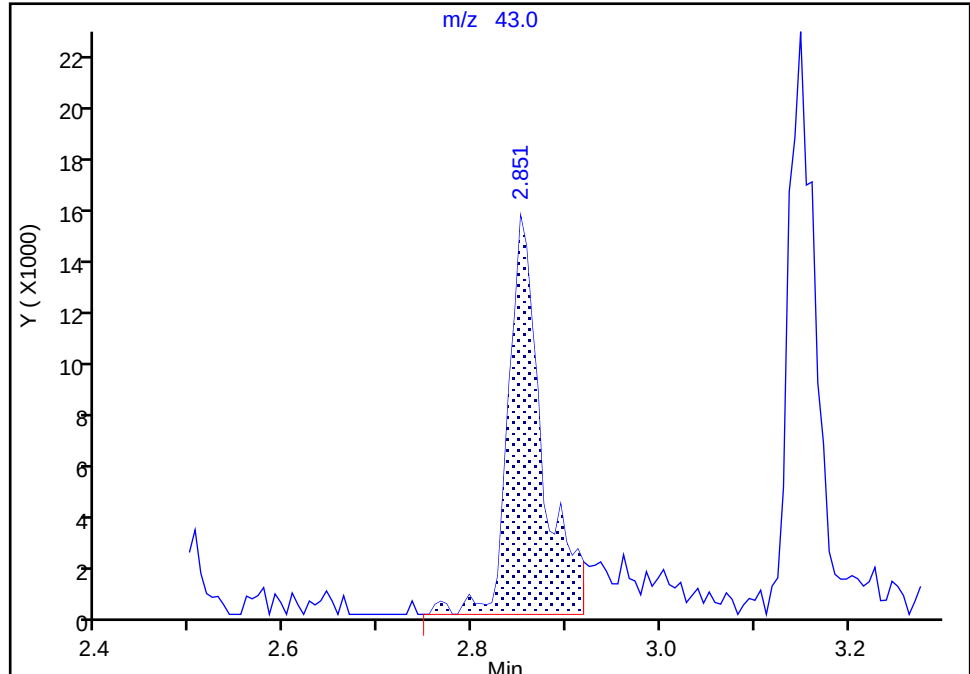
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

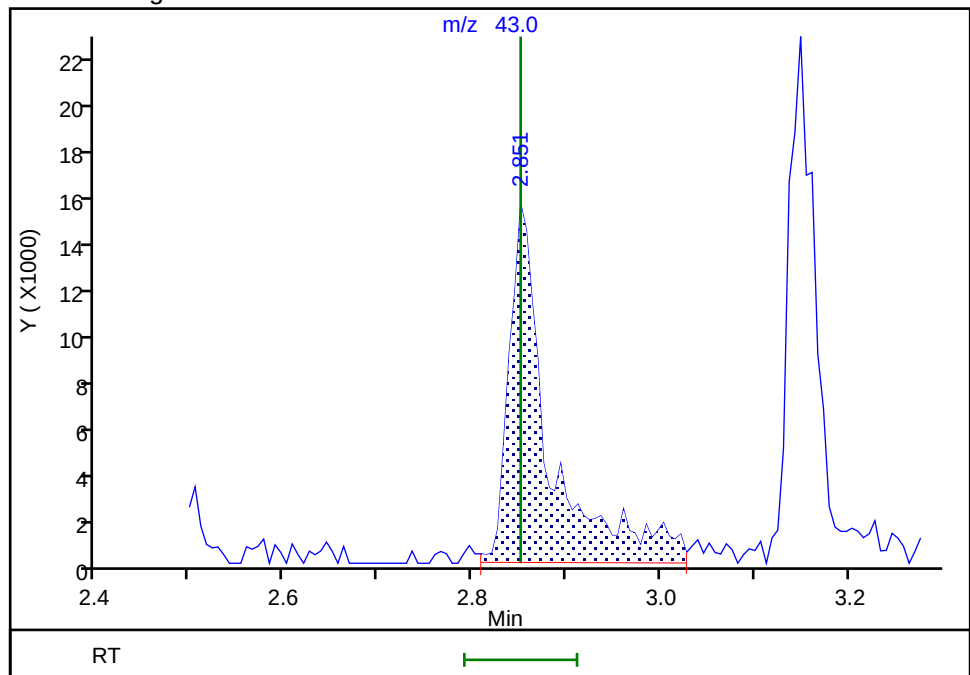
RT: 2.85
Area: 37564
Amount: 8.284883
Amount Units: ug/L

Processing Integration Results



RT: 2.85
Area: 45239
Amount: 10.102492
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:19:19

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3709.D

Injection Date: 19-Jul-2018 17:49:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

44

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

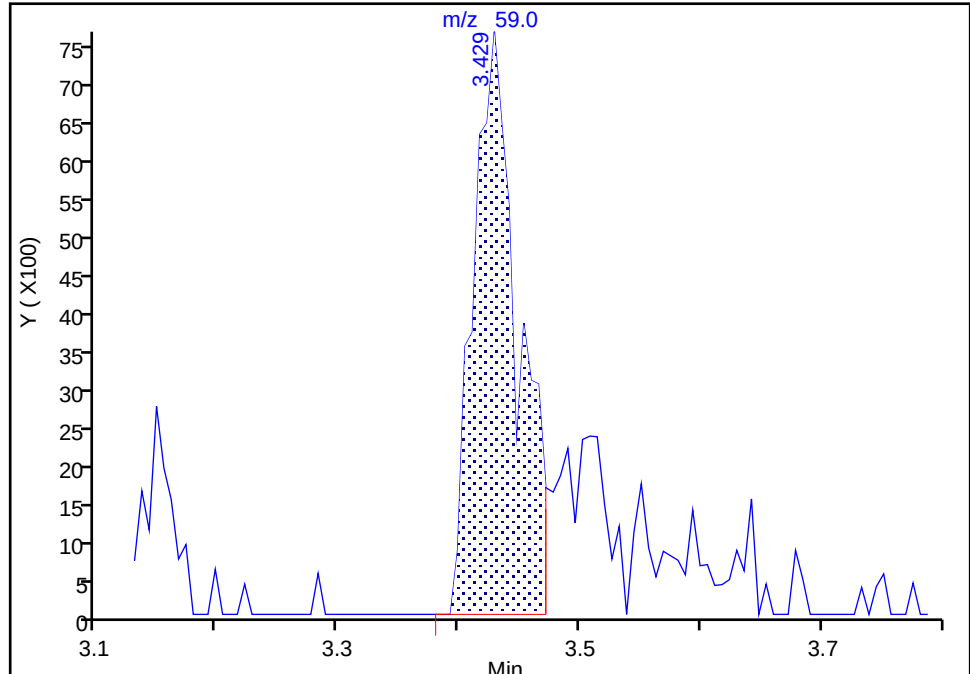
Detector: MS SCAN

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

Signal: 1

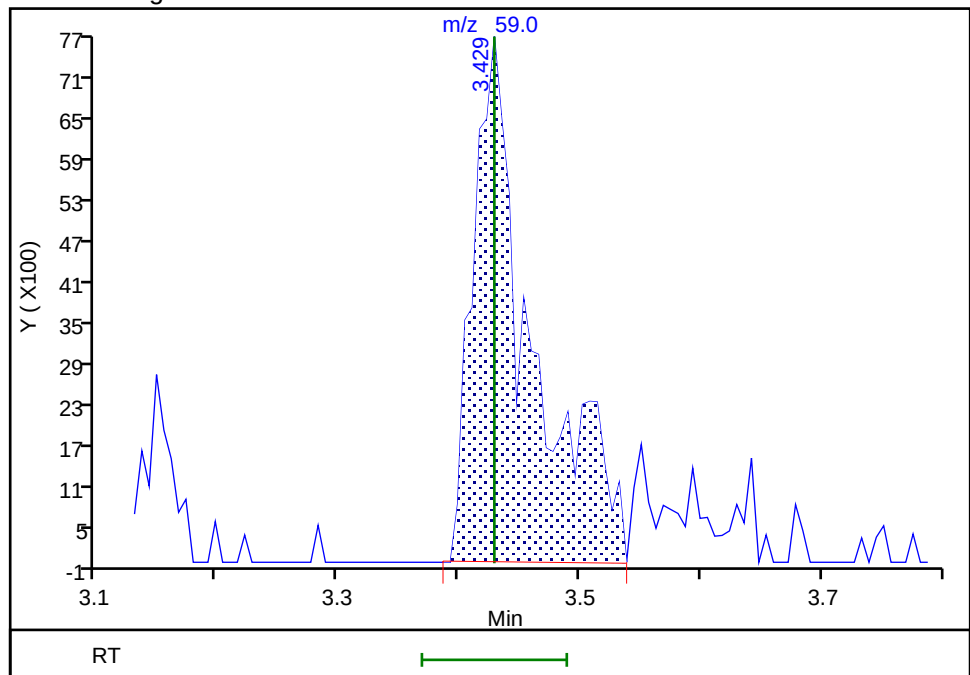
RT: 3.43
Area: 19636
Amount: 13.170676
Amount Units: ug/L

Processing Integration Results



RT: 3.43
Area: 25834
Amount: 16.889104
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:19:55

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3709.D

Injection Date: 19-Jul-2018 17:49:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

44

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

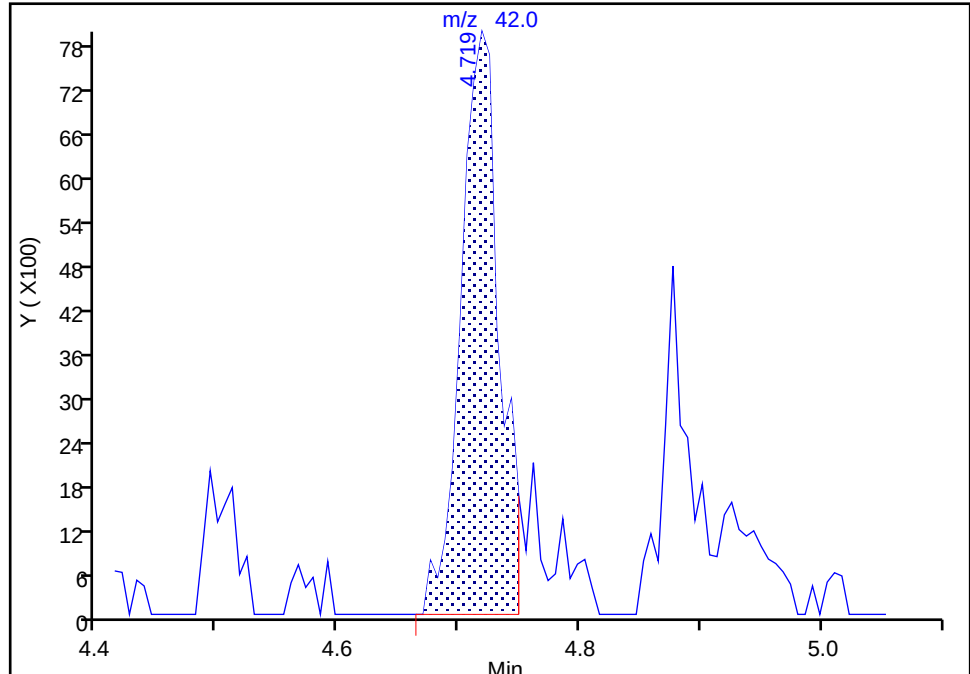
Detector: MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

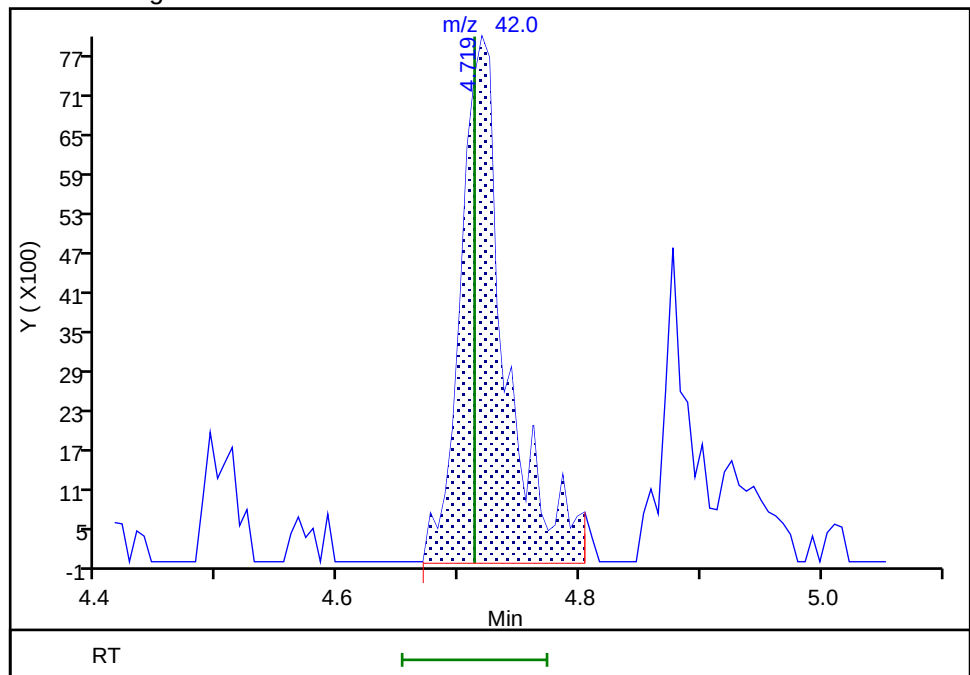
RT: 4.72
Area: 17714
Amount: 3.605144
Amount Units: ug/L

Processing Integration Results



RT: 4.72
Area: 20817
Amount: 4.154672
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:20:08

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3709.D

Injection Date: 19-Jul-2018 17:49:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

44

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

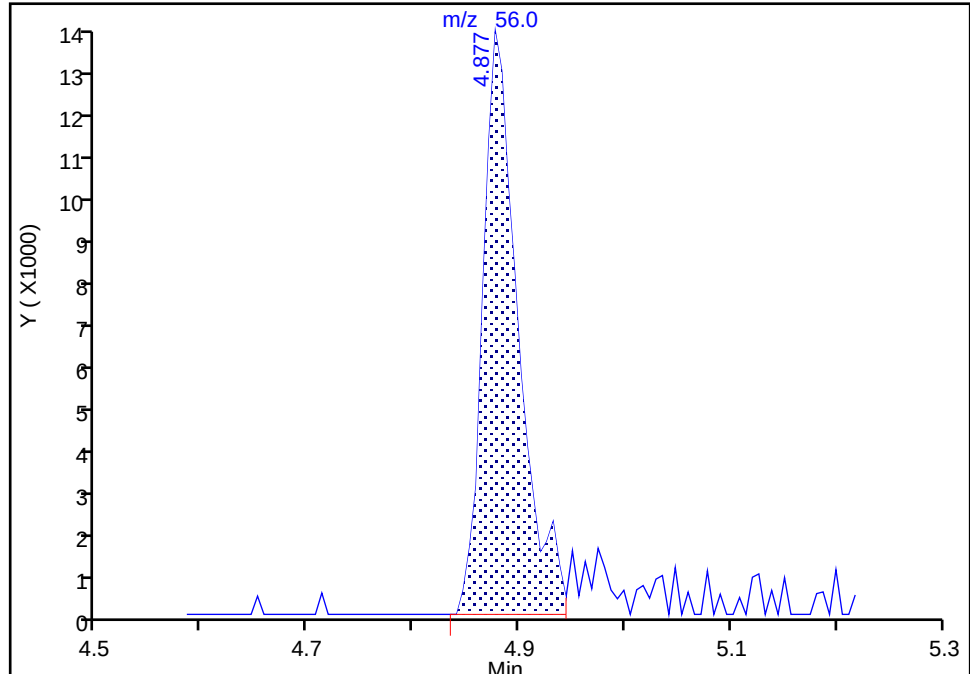
Detector: MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

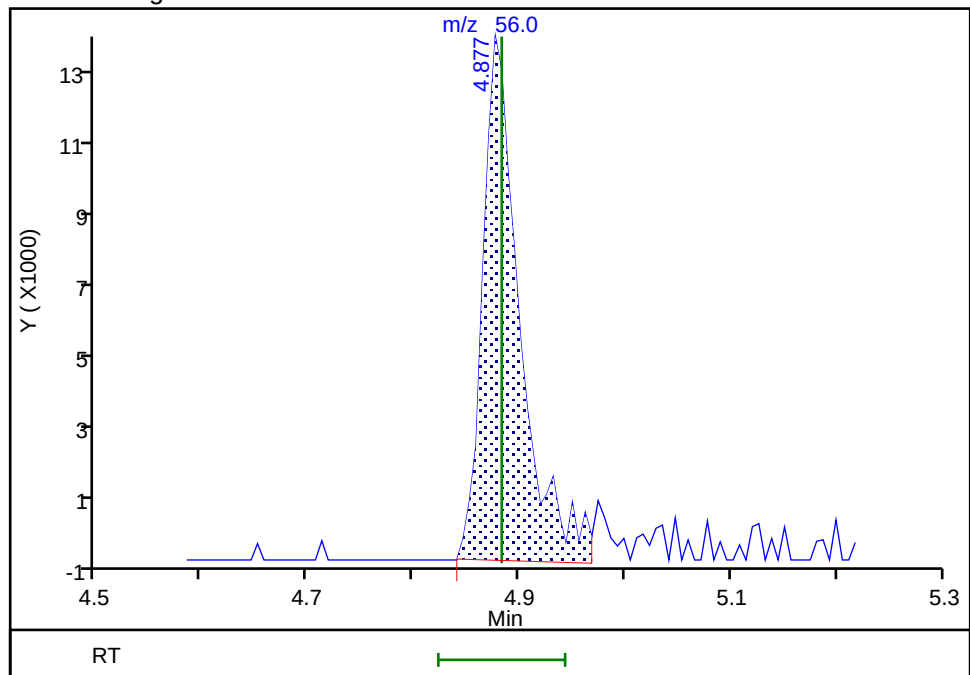
RT: 4.88
Area: 30561
Amount: 1.754150
Amount Units: ug/L

Processing Integration Results



RT: 4.88
Area: 32118
Amount: 1.756735
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:20:20

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3709.D

Injection Date: 19-Jul-2018 17:49:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

44

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

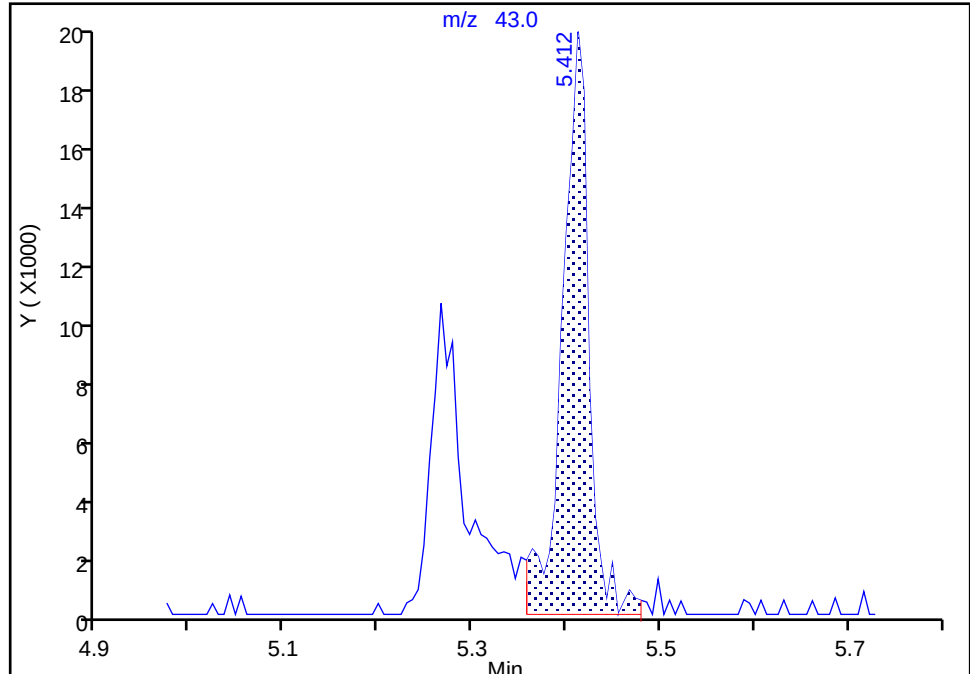
Detector: MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

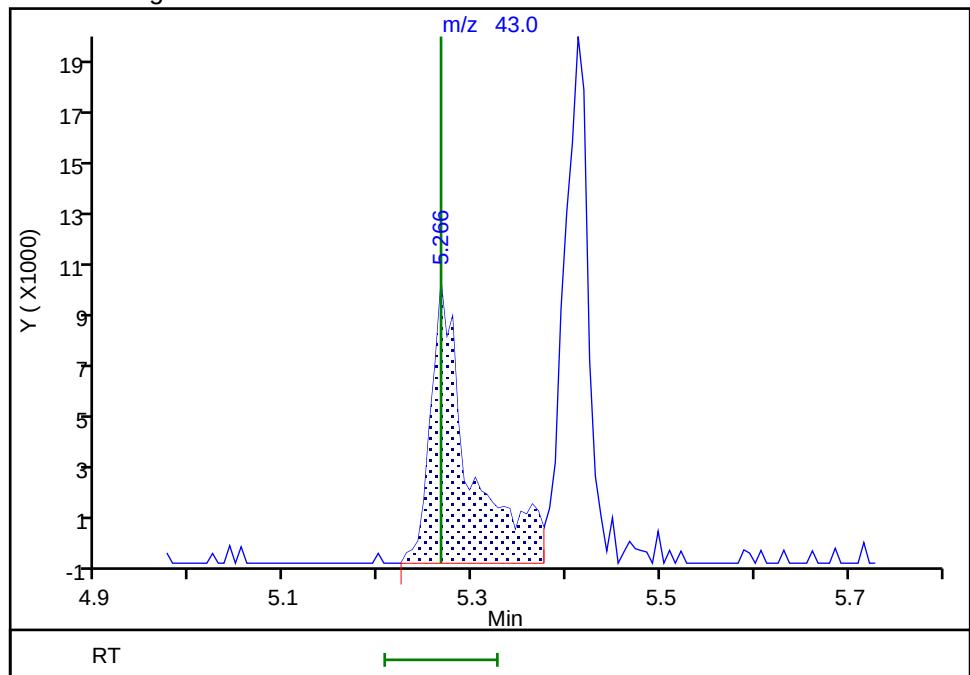
RT: 5.41
Area: 37671
Amount: 51.938163
Amount Units: ug/L

Processing Integration Results



RT: 5.27
Area: 29672
Amount: 40.047387
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:21:19

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3709.D

Injection Date: 19-Jul-2018 17:49:30

Instrument ID: HP5973S

Lims ID: IC 2

Client ID:

Operator ID: LH

ALS Bottle#:

44

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

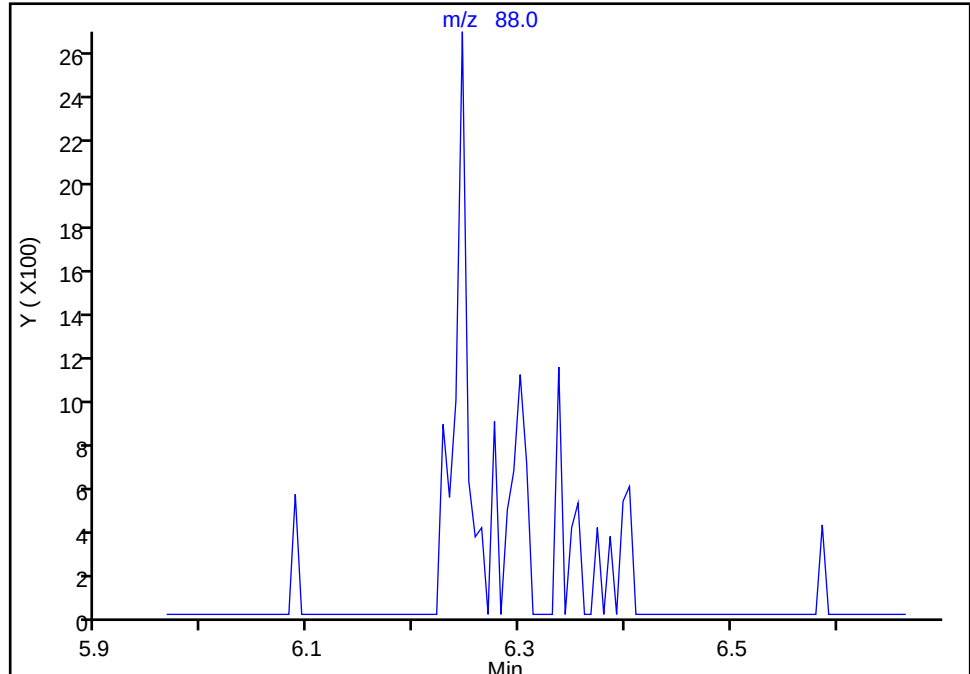
66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

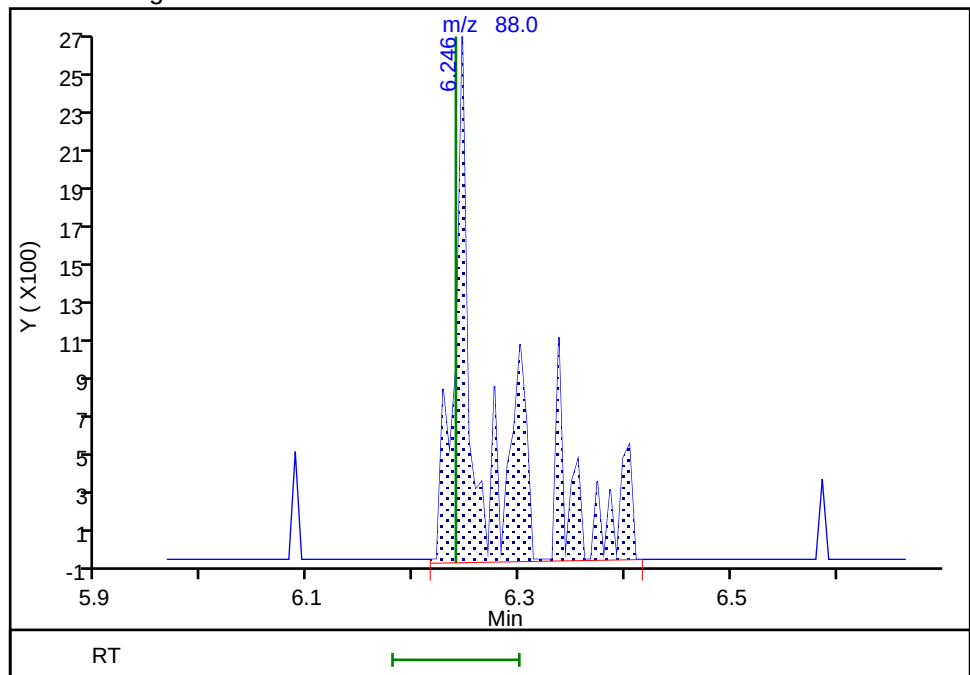
Not Detected

Expected RT: 6.24

Processing Integration Results



Manual Integration Results



RT: 6.25

Area: 5315

Amount: 37.838006

Amount Units: ug/L

Reviewer: HillL, 20-Jul-2018 12:21:46

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3710.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 19-Jul-2018 18:12:30 ALS Bottle#: 45 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0073226-009
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 20-Jul-2018 13:36:55 Calib Date: 20-Jul-2018 00:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3725.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: HillL

Date: 20-Jul-2018 12:23:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	207754	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	85	426726	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	93	407559	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	55	242457	25.0	24.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	89	149413	25.0	23.8	
\$ 5 Toluene-d8 (Surr)	98	7.019	7.024	-0.005	92	949502	25.0	25.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	93	289146	25.0	25.1	
10 Dichlorodifluoromethane	85	1.282	1.288	-0.006	77	60356	5.00	5.56	
12 Chloromethane	50	1.464	1.464	0.000	83	97048	5.00	5.44	
13 Vinyl chloride	62	1.549	1.555	-0.006	80	74272	5.00	5.31	
151 Butadiene	54	1.574	1.580	-0.006	89	87889	5.00	5.83	
14 Bromomethane	94	1.872	1.872	0.000	84	44068	5.00	5.52	
15 Chloroethane	64	1.969	1.981	-0.012	74	46525	5.00	5.94	
17 Trichlorofluoromethane	101	2.194	2.200	-0.006	67	79774	5.00	5.75	
16 Dichlorofluoromethane	67	2.200	2.206	-0.006	94	99193	5.00	5.50	M
18 Ethyl ether	59	2.492	2.498	-0.006	95	65130	5.00	5.49	
20 Acrolein	56	2.687	2.693	-0.006	93	41553	25.0	21.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.699	2.705	-0.006	53	51666	5.00	5.96	
22 1,1-Dichloroethene	96	2.730	2.729	0.001	80	51027	5.00	5.44	
23 Acetone	43	2.851	2.851	0.000	97	99462	25.0	21.8	
25 Iodomethane	142	2.900	2.894	0.006	90	70226	5.00	4.98	
26 Carbon disulfide	76	2.918	2.924	-0.006	96	155717	5.00	5.57	
28 3-Chloro-1-propene	41	3.095	3.094	0.001	82	90158	5.00	5.18	
27 Methyl acetate	43	3.143	3.149	-0.006	97	119198	10.0	9.22	
30 Methylene Chloride	84	3.253	3.259	-0.006	85	75089	5.00	5.83	
31 2-Methyl-2-propanol	59	3.429	3.429	0.000	81	72166	50.0	46.2	
32 Methyl tert-butyl ether	73	3.454	3.453	0.001	91	185843	5.00	5.46	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	88	53720	5.00	5.22	
33 Acrylonitrile	53	3.545	3.539	0.006	98	348137	50.0	53.0	M
35 Hexane	57	3.660	3.660	0.000	86	104406	5.00	5.68	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.892	3.898	-0.006	76	113536	5.00	5.44	
37 Vinyl acetate	43	3.952	3.952	0.000	97	299569	10.0	10.8	
44 2,2-Dichloropropane	77	4.421	4.421	0.000	86	61465	5.00	5.48	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	49	67614	5.00	5.59	
43 2-Butanone (MEK)	43	4.500	4.494	0.006	92	193912	25.0	26.4	
48 Chlorobromomethane	128	4.695	4.694	0.001	87	33794	5.00	5.68	
49 Tetrahydrofuran	42	4.719	4.713	0.006	89	55104	10.0	10.8	
50 Chloroform	83	4.768	4.774	-0.006	80	99265	5.00	5.17	
51 1,1,1-Trichloroethane	97	4.877	4.883	-0.006	85	77725	5.00	5.71	
52 Cyclohexane	56	4.877	4.883	-0.006	90	96851	5.00	5.19	
55 Carbon tetrachloride	117	5.011	5.017	-0.006	77	63538	5.00	5.28	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	92	79905	5.00	5.76	
57 Benzene	78	5.236	5.242	-0.006	81	240635	5.00	5.56	
53 Isobutyl alcohol	43	5.260	5.266	-0.006	92	99737	125.0	131.9	
58 1,2-Dichloroethane	62	5.309	5.315	-0.006	63	98012	5.00	5.55	
59 n-Heptane	43	5.413	5.406	0.007	88	106158	5.00	5.57	
62 Trichloroethene	95	5.851	5.850	0.001	89	59117	5.00	5.36	
64 Methylcyclohexane	83	5.966	5.960	0.006	92	96460	5.00	5.35	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	91	66551	5.00	5.45	
67 Dibromomethane	93	6.234	6.234	0.000	85	38920	5.00	5.42	
66 1,4-Dioxane	88	6.246	6.240	0.006	0	13579	100.0	97.0	M
68 Dichlorobromomethane	83	6.386	6.386	0.000	95	74816	5.00	5.53	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	85	41590	5.00	4.80	
72 cis-1,3-Dichloropropene	75	6.806	6.805	0.001	81	78532	5.00	5.17	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.951	0.001	97	441740	25.0	28.8	
74 Toluene	92	7.086	7.085	0.001	88	155900	5.00	5.60	
77 trans-1,3-Dichloropropene	75	7.371	7.371	0.000	94	74222	5.00	5.22	
75 Ethyl methacrylate	69	7.420	7.414	0.006	81	78928	5.00	5.31	
79 1,1,2-Trichloroethane	83	7.560	7.566	-0.006	86	46054	5.00	5.33	
81 Tetrachloroethene	166	7.621	7.621	0.000	74	60002	5.00	5.51	
82 1,3-Dichloropropane	76	7.724	7.724	0.000	91	104049	5.00	5.70	
80 2-Hexanone	43	7.791	7.791	0.000	92	306098	25.0	26.9	
83 Chlorodibromomethane	129	7.962	7.961	0.001	76	52295	5.00	5.30	
84 Ethylene Dibromide	107	8.071	8.065	0.006	94	57281	5.00	5.14	
87 Chlorobenzene	112	8.539	8.539	0.000	94	167153	5.00	5.38	
88 Ethylbenzene	91	8.631	8.631	0.000	98	278828	5.00	5.72	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.637	0.006	59	54559	5.00	5.51	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	99	107945	5.00	5.52	
91 o-Xylene	106	9.178	9.178	0.000	96	102036	5.00	5.46	
92 Styrene	104	9.209	9.208	0.001	93	169317	5.00	5.31	
95 Bromoform	173	9.464	9.464	0.000	79	26336	5.00	4.65	
94 Isopropylbenzene	105	9.562	9.561	0.001	95	260673	5.00	5.37	
101 Bromobenzene	156	9.908	9.908	0.000	95	66328	5.00	5.05	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	70	77715	5.00	5.04	
99 N-Propylbenzene	91	9.981	9.981	0.000	93	319786	5.00	5.49	
100 1,2,3-Trichloropropane	110	9.993	9.999	-0.006	56	27986	5.00	5.50	
98 trans-1,4-Dichloro-2-buten	53	10.018	10.018	0.000	54	15886	5.00	4.53	
103 2-Chlorotoluene	126	10.091	10.091	0.000	94	62464	5.00	4.90	
102 1,3,5-Trimethylbenzene	105	10.158	10.158	0.000	82	225076	5.00	5.54	
105 4-Chlorotoluene	126	10.200	10.200	0.000	96	64275	5.00	5.07	
106 tert-Butylbenzene	134	10.480	10.474	0.006	87	46929	5.00	5.21	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	28	236640	5.00	5.49	a

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.681	10.681	0.000	92	280727	5.00	5.45	
110 4-Isopropyltoluene	119	10.821	10.821	0.000	96	238630	5.00	5.53	
111 1,3-Dichlorobenzene	146	10.821	10.827	-0.006	73	128151	5.00	5.30	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	92	143884	5.00	5.54	
115 n-Butylbenzene	91	11.210	11.210	0.000	96	206209	5.00	5.44	
116 1,2-Dichlorobenzene	146	11.259	11.265	-0.006	92	126689	5.00	5.19	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	61	13653	5.00	5.05	
119 1,2,4-Trichlorobenzene	180	12.658	12.664	-0.006	88	87260	5.00	5.22	
120 Hexachlorobutadiene	225	12.768	12.767	0.001	85	39850	5.00	5.29	
121 Naphthalene	128	12.877	12.877	0.000	96	227088	5.00	4.99	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	93	87395	5.00	5.47	
S 126 1,3-Dichloropropene, Total	1				0			10.4	
S 125 1,2-Dichloroethene, Total	1				0			10.8	
S 124 Xylenes, Total	1				0			11.0	
S 123 Total BTEX	1				0			27.9	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00129

Amount Added: 5.00

Units: uL

GAS CORP mix_00291

Amount Added: 5.00

Units: uL

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00277

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180719-73226.b\\S3710.D

Injection Date: 19-Jul-2018 18:12:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC 3

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

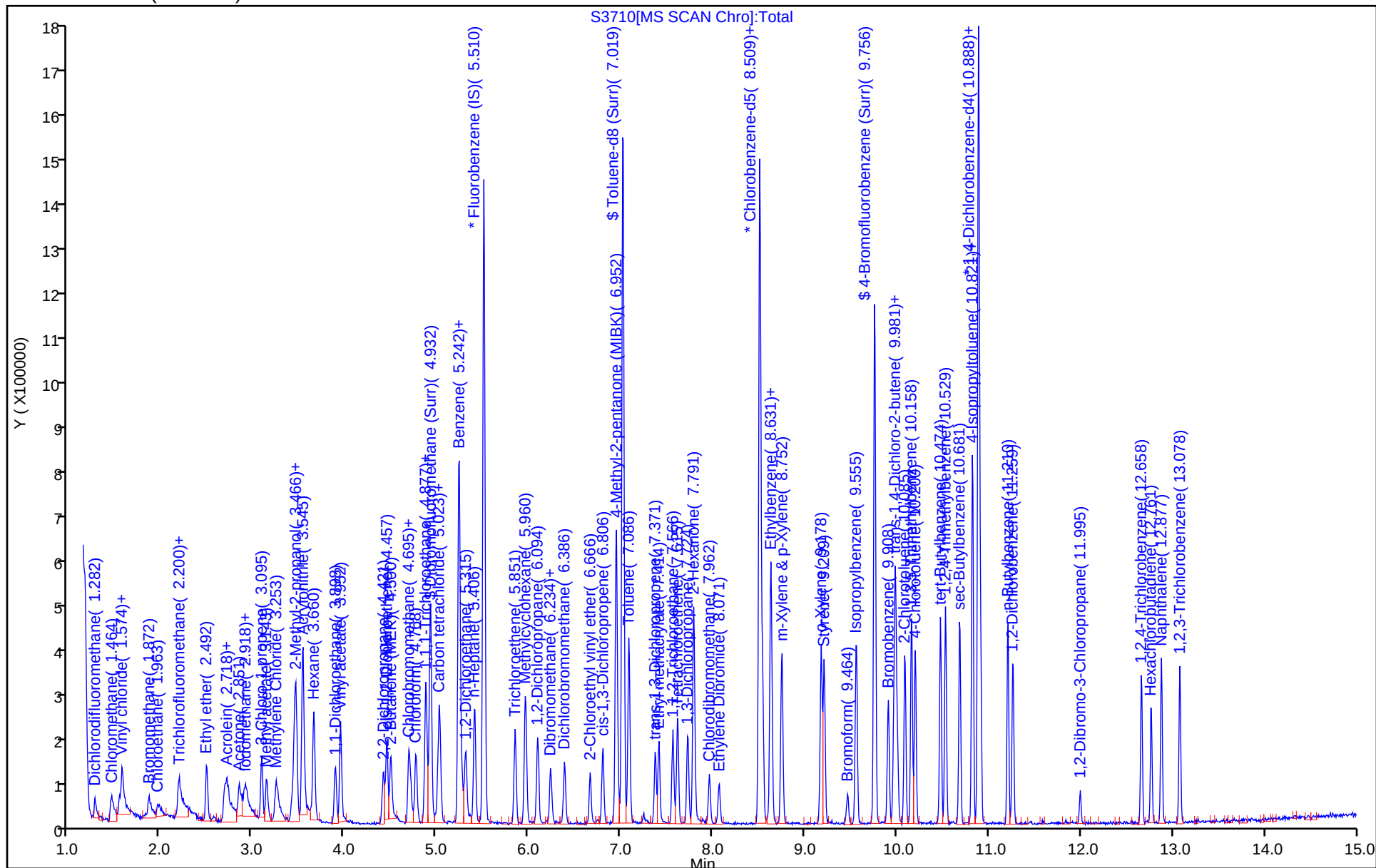
Dil. Factor: 1.0000

ALS Bottle#: 45

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3710.D

Injection Date: 19-Jul-2018 18:12:30

Instrument ID: HP5973S

Lims ID: IC 3

Client ID:

Operator ID: LH

ALS Bottle#:

45

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

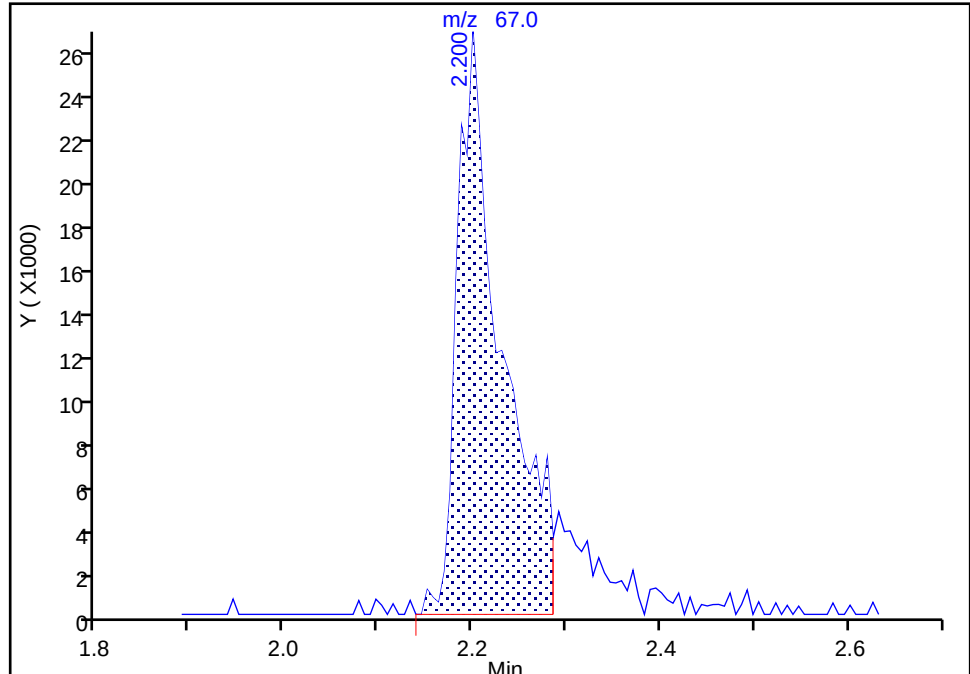
MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

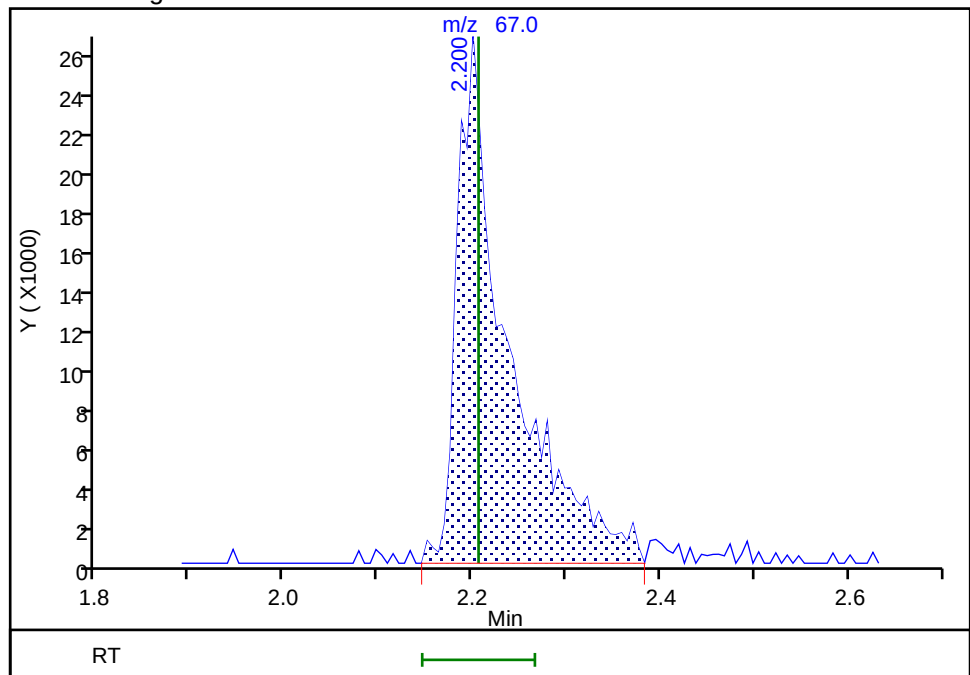
RT: 2.20
Area: 86158
Amount: 5.045522
Amount Units: ug/L

Processing Integration Results



RT: 2.20
Area: 99193
Amount: 5.499422
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:22:22

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3710.D

Injection Date: 19-Jul-2018 18:12:30

Instrument ID: HP5973S

Lims ID: IC 3

Client ID:

Operator ID: LH

ALS Bottle#:

45

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

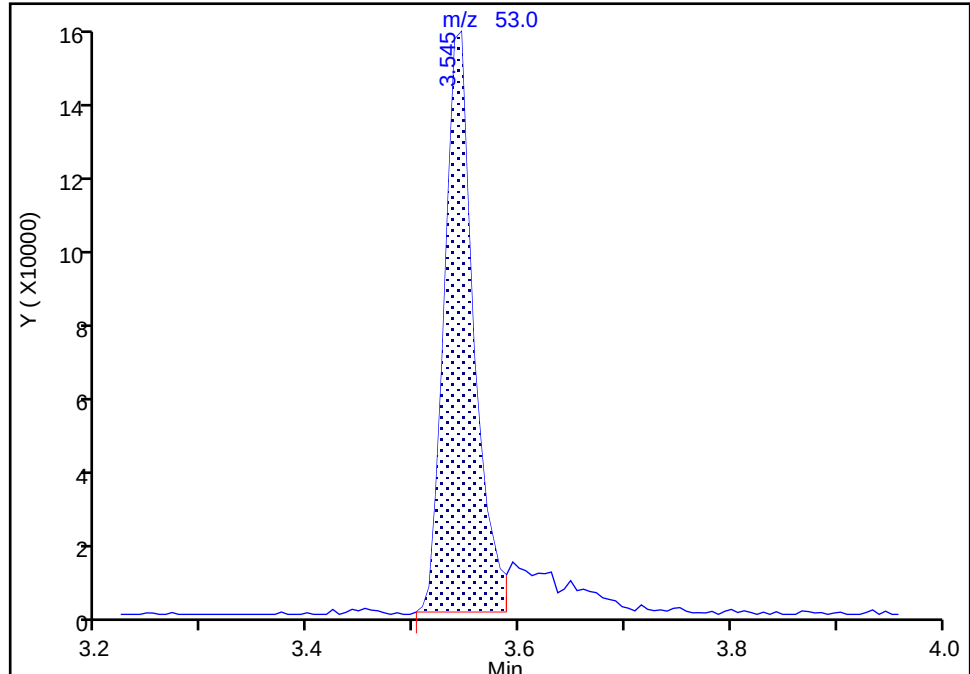
Detector: MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

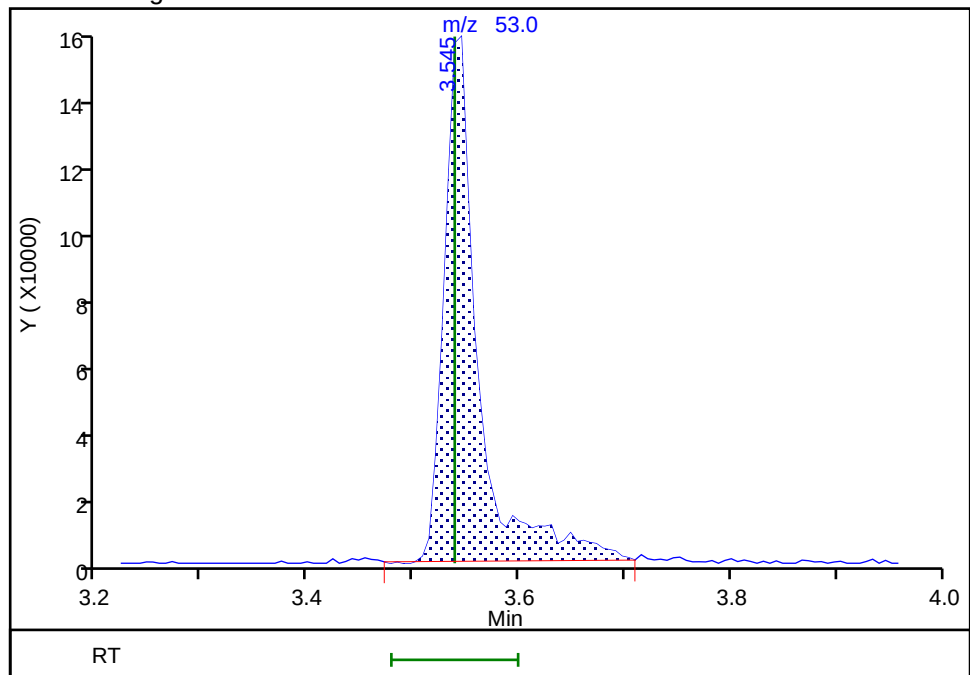
RT: 3.54
Area: 301166
Amount: 46.706370
Amount Units: ug/L

Processing Integration Results



RT: 3.54
Area: 348137
Amount: 53.025218
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:22:38

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3710.D

Injection Date: 19-Jul-2018 18:12:30

Instrument ID: HP5973S

Lims ID: IC 3

Client ID:

Operator ID: LH

ALS Bottle#:

45

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

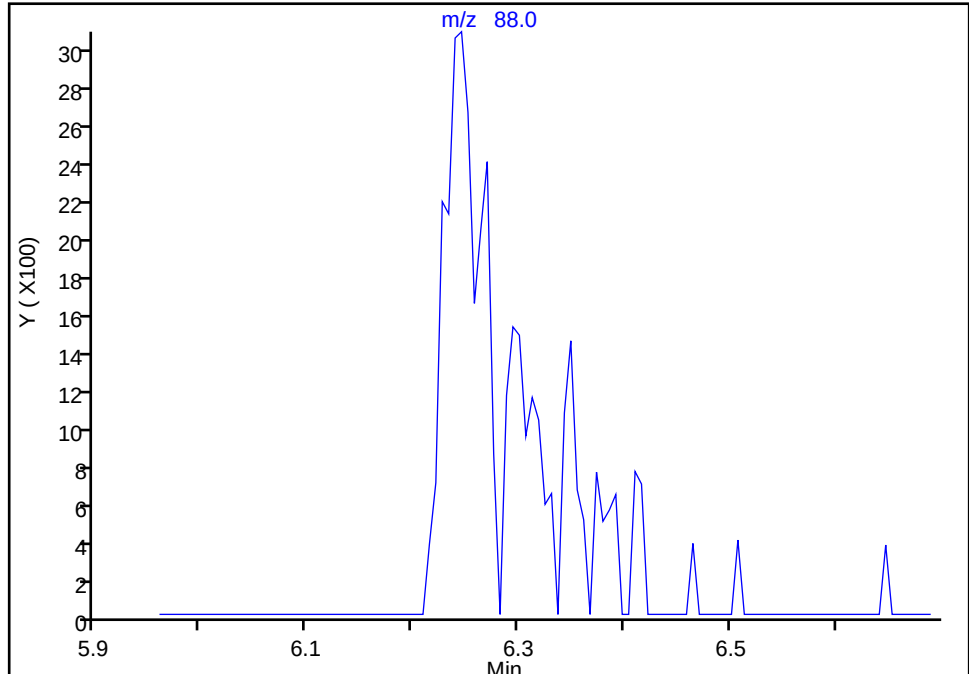
66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

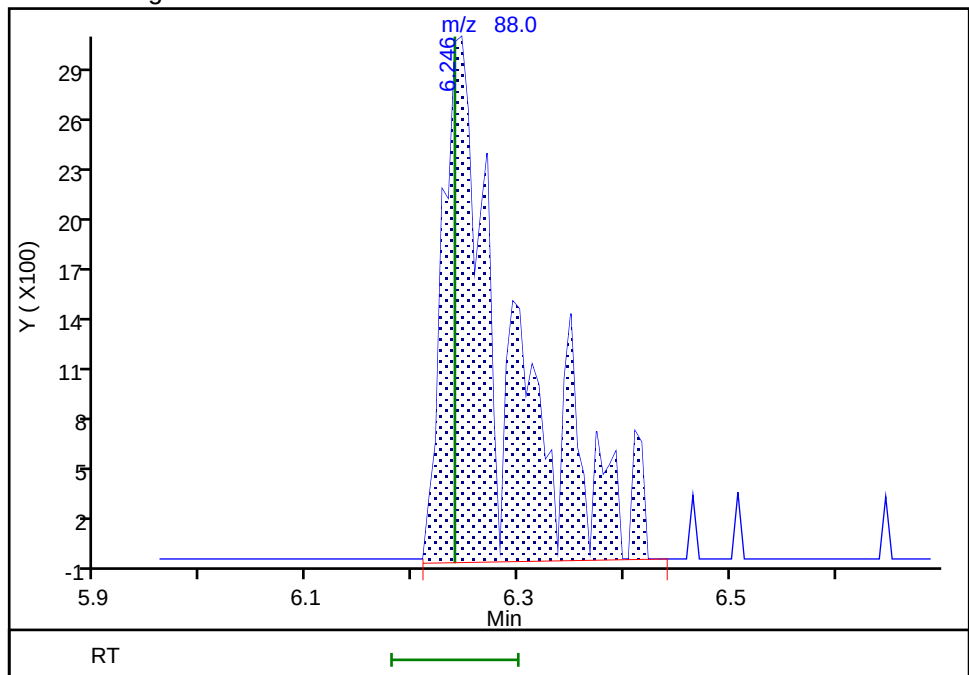
Not Detected

Expected RT: 6.24

Processing Integration Results



Manual Integration Results



RT: 6.25

Area: 13579

Amount: 97.014571

Amount Units: ug/L

Reviewer: HillL, 20-Jul-2018 12:23:11

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3710.D

Injection Date: 19-Jul-2018 18:12:30

Instrument ID: HP5973S

Lims ID: IC 3

Client ID:

Operator ID: LH

ALS Bottle#:

45

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

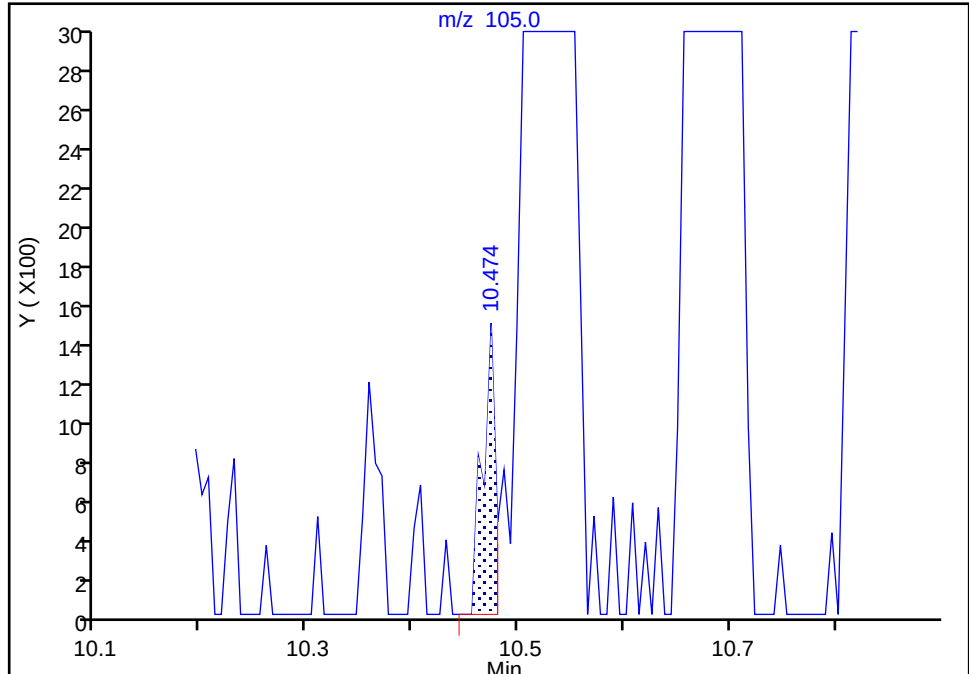
Detector: MS SCAN

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

Signal: 1

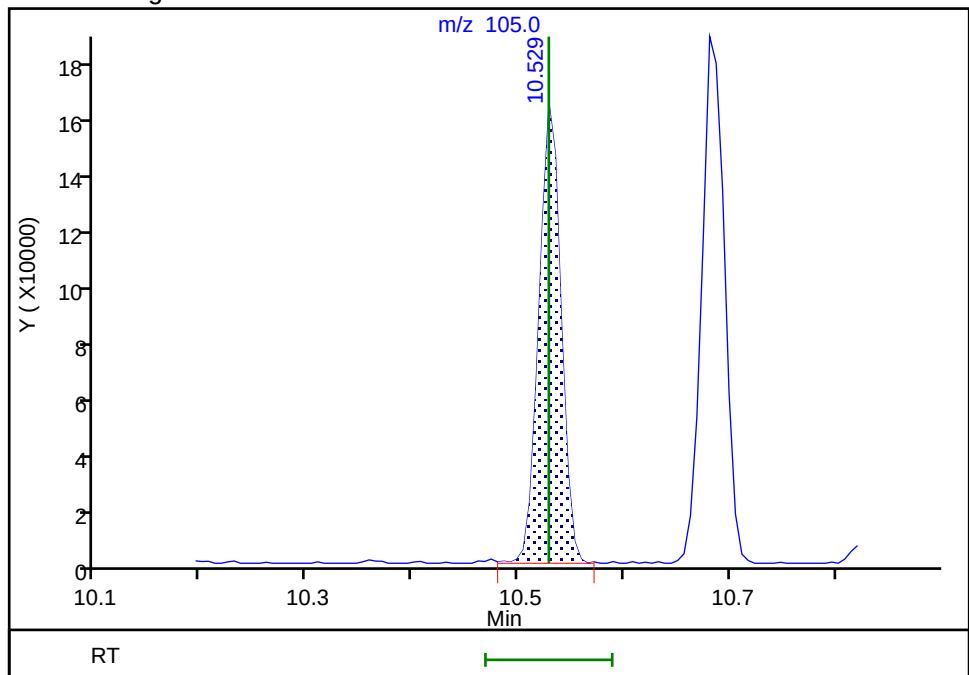
RT: 10.47
Area: 1237
Amount: 0.033206
Amount Units: ug/L

Processing Integration Results



RT: 10.53
Area: 236640
Amount: 5.485784
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:23:23

Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3711.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 19-Jul-2018 18:35:30 ALS Bottle#: 46 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0073226-010
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 20-Jul-2018 13:36:59 Calib Date: 20-Jul-2018 00:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3725.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: HillL

Date: 20-Jul-2018 12:24:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	213578	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	445890	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	84	407489	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	55	250331	25.0	24.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	72	155096	25.0	24.1	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.024	0.001	91	992476	25.0	25.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	88	296183	25.0	24.6	
10 Dichlorodifluoromethane	85	1.282	1.288	-0.006	83	126902	10.0	11.4	
12 Chloromethane	50	1.470	1.464	0.006	97	196186	10.0	10.7	
13 Vinyl chloride	62	1.550	1.555	-0.005	68	150450	10.0	10.5	
151 Butadiene	54	1.580	1.580	0.000	77	171089	10.0	11.0	
14 Bromomethane	94	1.878	1.872	0.006	90	80485	10.0	9.81	
15 Chloroethane	64	1.981	1.981	0.000	93	86776	10.0	10.8	M
17 Trichlorofluoromethane	101	2.194	2.200	-0.006	65	156430	10.0	11.0	
16 Dichlorofluoromethane	67	2.207	2.206	0.001	78	192433	10.0	10.4	M
18 Ethyl ether	59	2.499	2.498	0.001	90	134381	10.0	11.0	
20 Acrolein	56	2.693	2.693	0.000	90	91972	50.0	46.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.699	2.705	-0.006	44	101226	10.0	11.4	
22 1,1-Dichloroethene	96	2.724	2.729	-0.005	90	99373	10.0	10.3	
23 Acetone	43	2.851	2.851	0.000	98	246067	50.0	52.4	
25 Iodomethane	142	2.894	2.894	0.000	96	156474	10.0	10.8	
26 Carbon disulfide	76	2.930	2.924	0.006	99	304981	10.0	10.6	
28 3-Chloro-1-propene	41	3.095	3.094	0.001	86	184404	10.0	10.3	
27 Methyl acetate	43	3.149	3.149	0.000	95	289686	20.0	21.8	
30 Methylene Chloride	84	3.259	3.259	0.000	91	128670	10.0	10.2	M
31 2-Methyl-2-propanol	59	3.429	3.429	0.000	87	136505	100.0	85.1	
32 Methyl tert-butyl ether	73	3.460	3.453	0.007	92	363145	10.0	10.4	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	93	119485	10.0	11.3	
33 Acrylonitrile	53	3.545	3.539	0.006	98	711546	100.0	105.4	
35 Hexane	57	3.667	3.660	0.007	89	222026	10.0	11.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.898	3.898	0.000	96	230355	10.0	10.7	
37 Vinyl acetate	43	3.953	3.952	0.001	97	593892	20.0	20.8	
44 2,2-Dichloropropane	77	4.415	4.421	-0.006	91	123131	10.0	10.7	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	64	133620	10.0	10.7	
43 2-Butanone (MEK)	43	4.500	4.494	0.006	94	416670	50.0	55.2	
48 Chlorobromomethane	128	4.695	4.694	0.001	90	67781	10.0	11.1	
49 Tetrahydrofuran	42	4.719	4.713	0.006	95	99296	20.0	18.9	
50 Chloroform	83	4.774	4.774	0.000	70	204258	10.0	10.4	
51 1,1,1-Trichloroethane	97	4.877	4.883	-0.006	82	155611	10.0	11.1	
52 Cyclohexane	56	4.877	4.883	-0.006	91	226899	10.0	11.8	
55 Carbon tetrachloride	117	5.017	5.017	0.000	90	144305	10.0	11.7	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	91	160995	10.0	11.3	
57 Benzene	78	5.242	5.242	0.000	93	472621	10.0	10.6	
53 Isobutyl alcohol	43	5.267	5.266	0.001	94	184873	250.0	237.9	
58 1,2-Dichloroethane	62	5.309	5.315	-0.006	73	194575	10.0	10.7	
59 n-Heptane	43	5.406	5.406	0.000	92	233837	10.0	11.9	
62 Trichloroethene	95	5.851	5.850	0.001	89	123867	10.0	10.9	
64 Methylcyclohexane	83	5.966	5.960	0.006	93	204707	10.0	11.0	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	94	130513	10.0	10.4	
67 Dibromomethane	93	6.234	6.234	0.000	90	77168	10.0	10.4	
66 1,4-Dioxane	88	6.246	6.240	0.006	19	27898	200.0	190.7	
68 Dichlorobromomethane	83	6.386	6.386	0.000	91	145173	10.0	10.4	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	87	90686	10.0	10.2	
72 cis-1,3-Dichloropropene	75	6.806	6.805	0.001	89	169630	10.0	10.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.951	0.001	96	880250	50.0	54.9	
74 Toluene	92	7.092	7.085	0.007	90	318080	10.0	10.9	
77 trans-1,3-Dichloropropene	75	7.371	7.371	0.000	90	154278	10.0	10.4	
75 Ethyl methacrylate	69	7.414	7.414	0.000	85	164919	10.0	10.6	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	84	99865	10.0	11.1	
81 Tetrachloroethene	166	7.615	7.621	-0.006	76	125403	10.0	11.0	
82 1,3-Dichloropropane	76	7.730	7.724	0.006	95	200045	10.0	10.5	
80 2-Hexanone	43	7.791	7.791	0.000	94	627804	50.0	52.8	
83 Chlorodibromomethane	129	7.962	7.961	0.001	87	109138	10.0	10.6	
84 Ethylene Dibromide	107	8.071	8.065	0.006	99	117181	10.0	10.1	
87 Chlorobenzene	112	8.540	8.539	0.001	92	334897	10.0	10.3	
88 Ethylbenzene	91	8.631	8.631	0.000	98	567283	10.0	11.1	
89 1,1,1,2-Tetrachloroethane	131	8.637	8.637	0.000	43	114254	10.0	11.0	
90 m-Xylene & p-Xylene	106	8.746	8.752	-0.006	98	218135	10.0	10.7	
91 o-Xylene	106	9.178	9.178	0.000	97	214116	10.0	11.0	
92 Styrene	104	9.209	9.208	0.001	92	364937	10.0	11.0	
95 Bromoform	173	9.458	9.464	-0.006	91	59719	10.0	9.34	
94 Isopropylbenzene	105	9.555	9.561	-0.006	96	545296	10.0	11.2	
101 Bromobenzene	156	9.902	9.908	-0.006	97	137827	10.0	10.5	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	73	152859	10.0	9.91	
99 N-Propylbenzene	91	9.981	9.981	0.000	98	650622	10.0	11.2	
100 1,2,3-Trichloropropane	110	10.000	9.999	0.001	75	57686	10.0	11.3	
98 trans-1,4-Dichloro-2-buten	53	10.012	10.018	-0.006	71	32258	10.0	9.19	
103 2-Chlorotoluene	126	10.091	10.091	0.000	96	131757	10.0	10.3	
102 1,3,5-Trimethylbenzene	105	10.158	10.158	0.000	84	463407	10.0	11.4	
105 4-Chlorotoluene	126	10.200	10.200	0.000	96	135508	10.0	10.7	
106 tert-Butylbenzene	134	10.474	10.474	0.000	92	98955	10.0	11.0	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	85	479960	10.0	11.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.681	0.006	94	604778	10.0	11.7	
110 4-Isopropyltoluene	119	10.821	10.821	0.000	96	492540	10.0	11.4	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	75	265856	10.0	11.0	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	92	277048	10.0	10.7	
115 n-Butylbenzene	91	11.210	11.210	0.000	96	438915	10.0	11.6	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	92	264019	10.0	10.8	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	64	25309	10.0	9.36	
119 1,2,4-Trichlorobenzene	180	12.658	12.664	-0.006	92	176267	10.0	10.5	
120 Hexachlorobutadiene	225	12.768	12.767	0.001	90	84438	10.0	11.2	
121 Naphthalene	128	12.877	12.877	0.000	97	470973	10.0	10.3	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	95	168799	10.0	10.6	
S 126 1,3-Dichloropropene, Total	1				0			21.2	
S 125 1,2-Dichloroethene, Total	1				0			22.0	
S 124 Xylenes, Total	1				0			21.6	
S 123 Total BTEX	1				0			54.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00129

Amount Added: 5.00

Units: uL

GAS CORP mix_00291

Amount Added: 5.00

Units: uL

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00277

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180719-73226.b\\S3711.D

Injection Date: 19-Jul-2018 18:35:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC 4

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

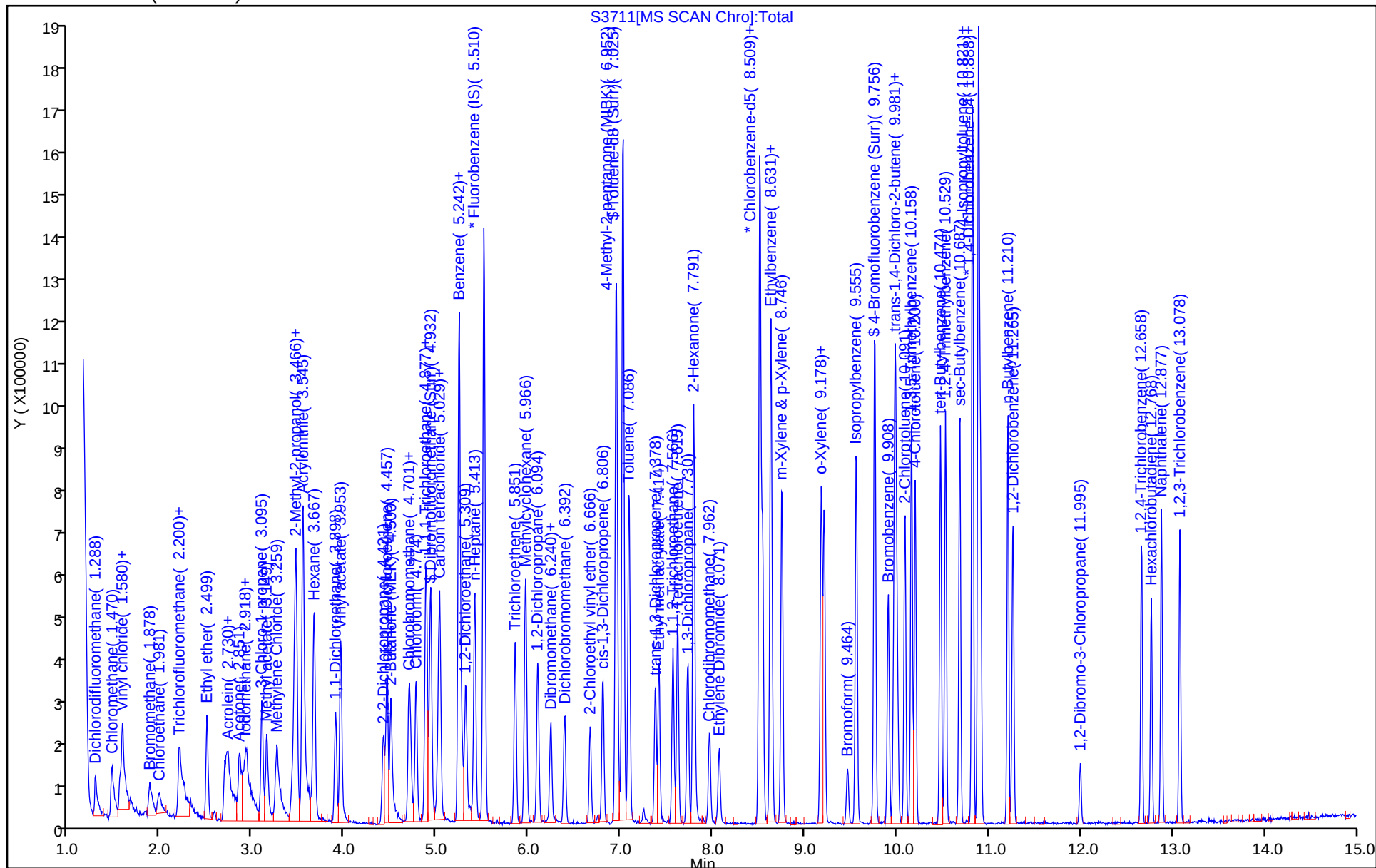
Dil. Factor: 1.0000

ALS Bottle#: 46

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

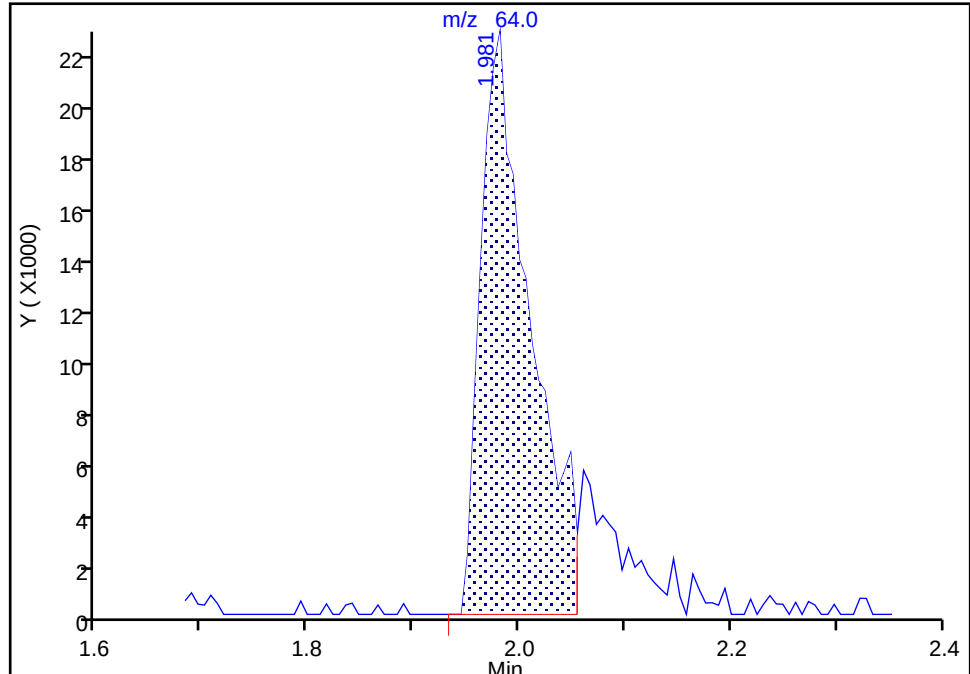
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3711.D
Injection Date: 19-Jul-2018 18:35:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 46 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

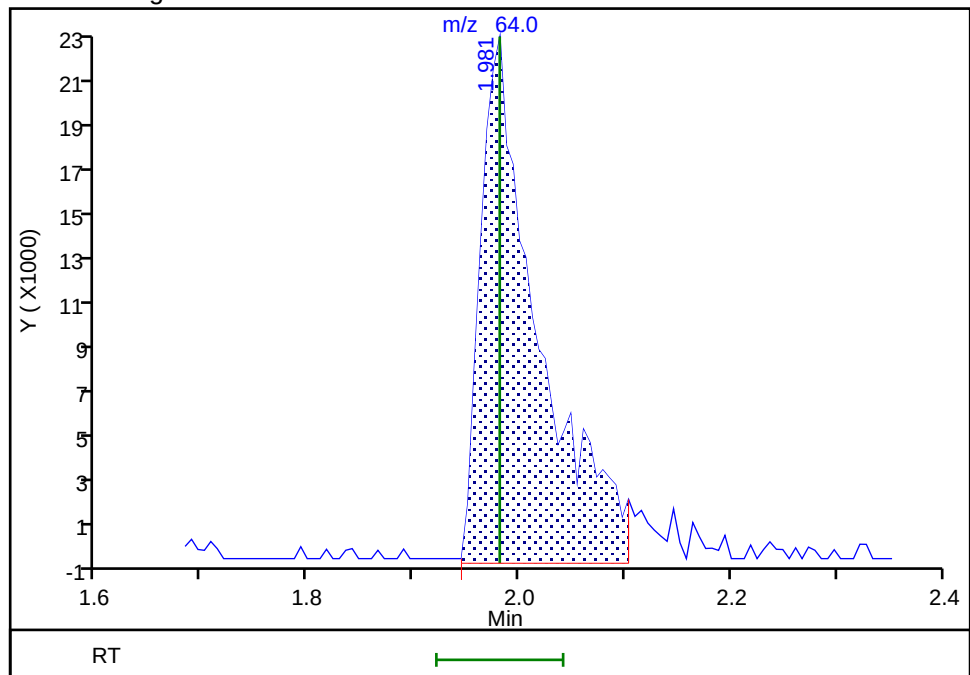
RT: 1.98
Area: 74222
Amount: 9.830320
Amount Units: ug/L

Processing Integration Results



RT: 1.98
Area: 86776
Amount: 10.771943
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:23:49

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3711.D

Injection Date: 19-Jul-2018 18:35:30

Instrument ID: HP5973S

Lims ID: IC 4

Client ID:

Operator ID: LH

ALS Bottle#:

46

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

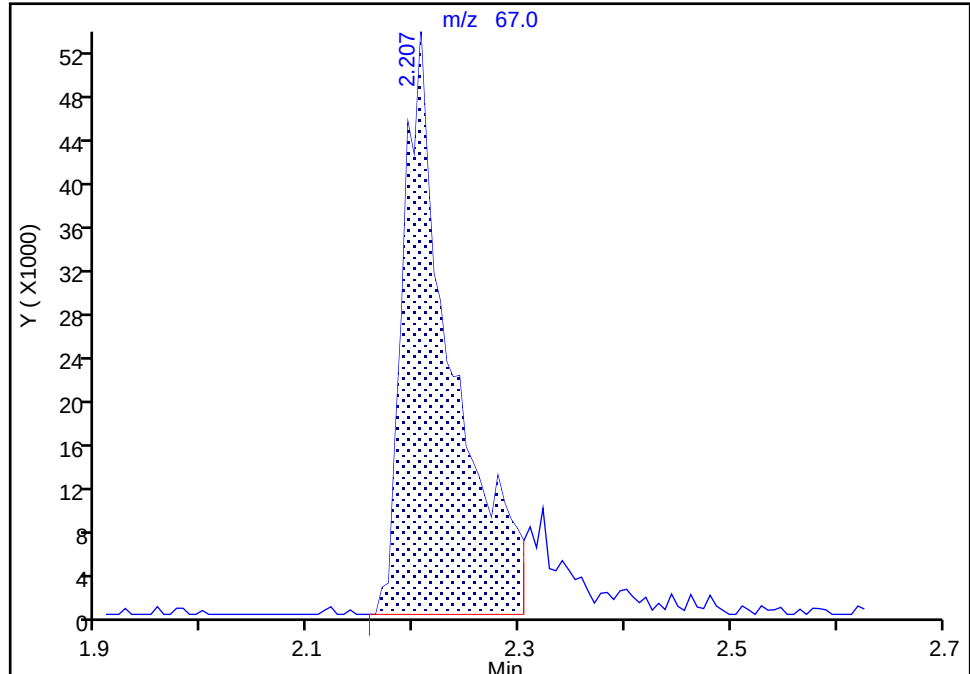
Detector: MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

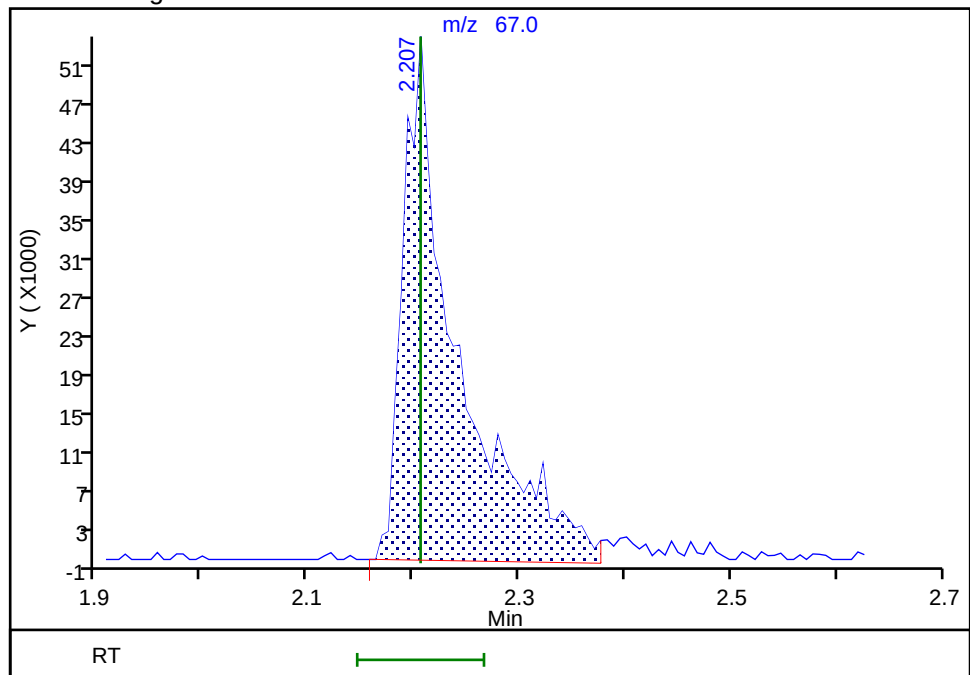
RT: 2.21
Area: 170566
Amount: 9.534239
Amount Units: ug/L

Processing Integration Results



RT: 2.21
Area: 192433
Amount: 10.377875
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:23:57

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

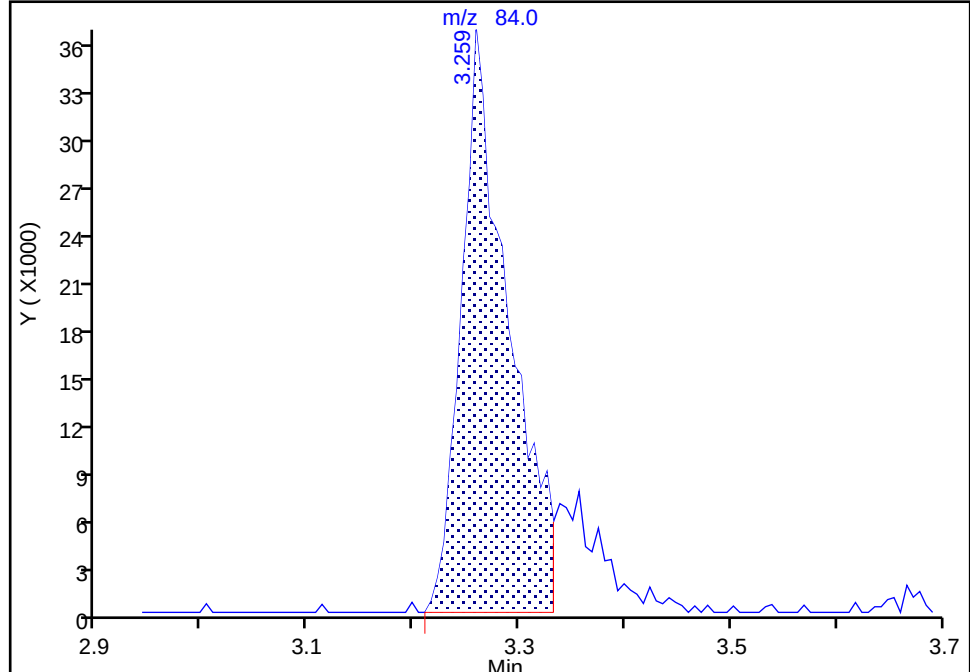
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3711.D
Injection Date: 19-Jul-2018 18:35:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: LH ALS Bottle#: 46 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

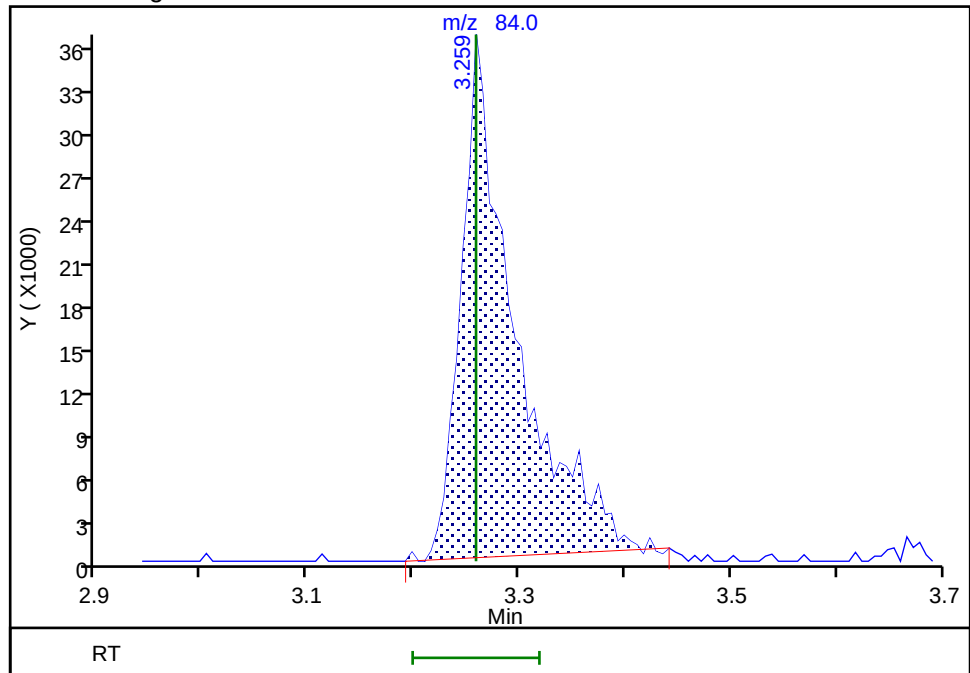
RT: 3.26
Area: 114729
Amount: 9.162684
Amount Units: ug/L

Processing Integration Results



RT: 3.26
Area: 128670
Amount: 10.181320
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:24:09
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3712.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 19-Jul-2018 18:58:30 ALS Bottle#: 47 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0073226-011
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 20-Jul-2018 13:37:05 Calib Date: 20-Jul-2018 00:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3725.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: HillL

Date: 19-Jul-2018 22:55:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	200271	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	87	412937	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	58	372607	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	56	249064	25.0	26.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	55	164402	25.0	27.2	
\$ 5 Toluene-d8 (Surr)	98	7.024	7.024	0.000	91	967566	25.0	26.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	90	294340	25.0	26.4	
10 Dichlorodifluoromethane	85	1.288	1.288	0.000	84	244821	25.0	23.4	
12 Chloromethane	50	1.464	1.464	0.000	96	375350	25.0	21.8	
13 Vinyl chloride	62	1.555	1.555	0.000	78	292185	25.0	21.7	
151 Butadiene	54	1.580	1.580	0.000	89	329734	25.0	22.7	
14 Bromomethane	94	1.872	1.872	0.000	85	149270	25.0	19.4	
15 Chloroethane	64	1.981	1.981	0.000	90	174703	25.0	23.1	
17 Trichlorofluoromethane	101	2.200	2.200	0.000	62	305539	25.0	22.8	
16 Dichlorofluoromethane	67	2.206	2.206	0.000	77	386486	25.0	22.2	
18 Ethyl ether	59	2.498	2.498	0.000	94	262599	25.0	22.9	
20 Acrolein	56	2.693	2.693	0.000	96	240919	125.0	128.7	
21 1,1,2-Trichloro-1,2,2-trif	101	2.705	2.705	0.000	55	208383	25.0	24.9	
22 1,1-Dichloroethene	96	2.729	2.729	0.000	99	203346	25.0	22.5	
23 Acetone	43	2.851	2.851	0.000	100	590713	125.0	134.1	
25 Iodomethane	142	2.894	2.894	0.000	98	301971	25.0	22.2	
26 Carbon disulfide	76	2.924	2.924	0.000	99	598313	25.0	22.2	
28 3-Chloro-1-propene	41	3.094	3.094	0.000	88	376441	25.0	22.4	
27 Methyl acetate	43	3.149	3.149	0.000	96	609942	50.0	48.9	
30 Methylene Chloride	84	3.259	3.259	0.000	92	255549	25.0	22.3	
31 2-Methyl-2-propanol	59	3.429	3.429	0.000	89	413937	250.0	275.2	
32 Methyl tert-butyl ether	73	3.453	3.453	0.000	98	751791	25.0	22.9	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	93	217888	25.0	22.0	
33 Acrylonitrile	53	3.539	3.539	0.000	99	1695046	250.0	267.8	
35 Hexane	57	3.660	3.660	0.000	85	394217	25.0	22.3	

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	3.898	3.898	0.000	85	451054	25.0	22.4	
37 Vinyl acetate	43	3.952	3.952	0.000	97	1289639	50.0	48.1	
44 2,2-Dichloropropane	77	4.421	4.421	0.000	92	241028	25.0	22.3	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	67	247194	25.0	21.2	
43 2-Butanone (MEK)	43	4.494	4.494	0.000	94	920549	125.0	130.0	
48 Chlorobromomethane	128	4.694	4.694	0.000	91	124278	25.0	21.7	
49 Tetrahydrofuran	42	4.713	4.713	0.000	92	267204	50.0	54.2	
50 Chloroform	83	4.774	4.774	0.000	81	396505	25.0	21.4	
51 1,1,1-Trichloroethane	97	4.883	4.883	0.000	84	310315	25.0	23.7	
52 Cyclohexane	56	4.883	4.883	0.000	93	398744	25.0	22.2	
55 Carbon tetrachloride	117	5.017	5.017	0.000	80	275872	25.0	23.8	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	93	315370	25.0	23.6	
57 Benzene	78	5.242	5.242	0.000	95	936878	25.0	22.5	
53 Isobutyl alcohol	43	5.266	5.266	0.000	93	477843	625.0	655.8	
58 1,2-Dichloroethane	62	5.315	5.315	0.000	72	354952	25.0	20.8	
59 n-Heptane	43	5.406	5.406	0.000	93	412245	25.0	22.5	
62 Trichloroethene	95	5.850	5.850	0.000	96	226648	25.0	21.3	
64 Methylcyclohexane	83	5.960	5.960	0.000	96	381953	25.0	22.0	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	94	269224	25.0	22.9	
67 Dibromomethane	93	6.234	6.234	0.000	93	155221	25.0	22.4	
66 1,4-Dioxane	88	6.240	6.240	0.000	37	70285	500.0	518.9	
68 Dichlorobromomethane	83	6.386	6.386	0.000	97	285911	25.0	21.9	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	91	193705	25.0	23.2	
72 cis-1,3-Dichloropropene	75	6.805	6.805	0.000	88	337512	25.0	23.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.951	6.951	0.000	96	1946720	125.0	131.0	
74 Toluene	92	7.085	7.085	0.000	92	597924	25.0	22.2	
77 trans-1,3-Dichloropropene	75	7.371	7.371	0.000	92	317622	25.0	23.1	
75 Ethyl methacrylate	69	7.414	7.414	0.000	88	335494	25.0	23.3	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	93	192061	25.0	23.0	
81 Tetrachloroethene	166	7.621	7.621	0.000	69	243801	25.0	23.1	
82 1,3-Dichloropropane	76	7.724	7.724	0.000	93	400458	25.0	22.7	
80 2-Hexanone	43	7.791	7.791	0.000	93	1451582	125.0	131.8	
83 Chlorodibromomethane	129	7.961	7.961	0.000	87	221258	25.0	23.2	
84 Ethylene Dibromide	107	8.065	8.065	0.000	97	238911	25.0	22.2	
87 Chlorobenzene	112	8.539	8.539	0.000	94	651130	25.0	21.7	
88 Ethylbenzene	91	8.631	8.631	0.000	98	1075696	25.0	22.8	
89 1,1,1,2-Tetrachloroethane	131	8.637	8.637	0.000	43	220304	25.0	23.0	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	100	428660	25.0	22.7	
91 o-Xylene	106	9.178	9.178	0.000	98	408650	25.0	22.6	
92 Styrene	104	9.208	9.208	0.000	94	722985	25.0	23.4	
95 Bromoform	173	9.464	9.464	0.000	96	137593	25.0	22.3	
94 Isopropylbenzene	105	9.561	9.561	0.000	96	1054389	25.0	23.7	
101 Bromobenzene	156	9.908	9.908	0.000	96	267275	25.0	22.3	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	71	334335	25.0	23.7	
99 N-Propylbenzene	91	9.981	9.981	0.000	94	1247775	25.0	23.4	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	80	117775	25.0	25.3	
98 trans-1,4-Dichloro-2-buten	53	10.018	10.018	0.000	63	92139	25.0	28.7	
103 2-Chlorotoluene	126	10.091	10.091	0.000	96	266129	25.0	22.8	
102 1,3,5-Trimethylbenzene	105	10.158	10.158	0.000	79	898948	25.0	24.2	
105 4-Chlorotoluene	126	10.200	10.200	0.000	80	265629	25.0	22.9	
106 tert-Butylbenzene	134	10.474	10.474	0.000	92	195529	25.0	23.7	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	76	942141	25.0	23.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.681	10.681	0.000	95	1123243	25.0	23.8	
110 4-Isopropyltoluene	119	10.821	10.821	0.000	97	959557	25.0	24.3	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	72	502911	25.0	22.7	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	94	525578	25.0	22.1	
115 n-Butylbenzene	91	11.210	11.210	0.000	97	832944	25.0	24.0	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	93	488851	25.0	21.9	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	77	66605	25.0	27.0	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	92	334332	25.0	21.9	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	95	155449	25.0	22.6	
121 Naphthalene	128	12.877	12.877	0.000	97	1053178	25.0	25.3	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	96	325683	25.0	22.3	

Reagents:

8260 CORP mix_00129	Amount Added: 12.50	Units: uL	
GAS CORP mix_00291	Amount Added: 12.50	Units: uL	
S_8260_IS_00294	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00277	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180719-73226.b\\S3712.D

Injection Date: 19-Jul-2018 18:58:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: ICIS 5

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

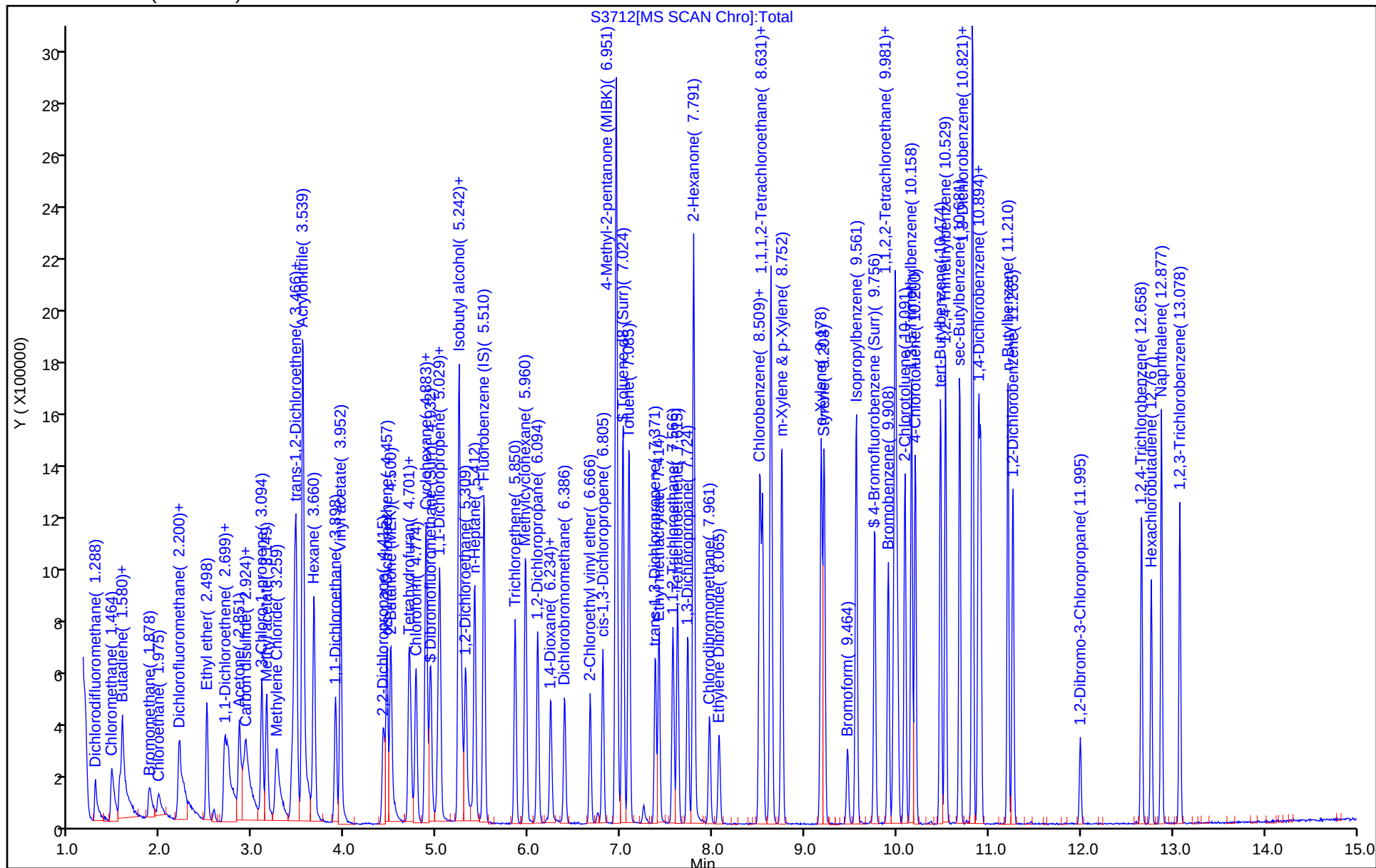
Dil. Factor: 1.0000

ALS Bottle#: 47

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3713.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 19-Jul-2018 19:22:30 ALS Bottle#: 48 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0073226-012
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 20-Jul-2018 13:37:09 Calib Date: 20-Jul-2018 00:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3725.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: HillL

Date: 20-Jul-2018 12:25:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	219847	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	85	444088	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	42	412985	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	56	246543	25.0	23.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.236	5.242	-0.006	41	160253	25.0	24.2	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.024	0.000	85	986184	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	88	302035	25.0	25.2	
10 Dichlorodifluoromethane	85	1.282	1.288	-0.006	98	601050	50.0	52.3	
12 Chloromethane	50	1.464	1.464	0.000	89	878902	50.0	46.5	
13 Vinyl chloride	62	1.549	1.555	-0.006	82	700556	50.0	47.3	
151 Butadiene	54	1.580	1.580	0.000	86	768439	50.0	48.2	
14 Bromomethane	94	1.878	1.872	0.006	91	395016	50.0	46.8	
15 Chloroethane	64	1.975	1.981	-0.006	99	416135	50.0	50.2	
17 Trichlorofluoromethane	101	2.194	2.200	-0.006	67	699624	50.0	47.6	
16 Dichlorofluoromethane	67	2.194	2.206	-0.012	81	926693	50.0	48.6	
18 Ethyl ether	59	2.498	2.498	0.000	94	640511	50.0	51.0	
20 Acrolein	56	2.687	2.693	-0.006	97	518230	250.0	252.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.705	2.705	0.000	78	474658	50.0	51.7	
22 1,1-Dichloroethene	96	2.723	2.729	-0.006	90	517546	50.0	52.1	
23 Acetone	43	2.851	2.851	0.000	99	1224467	250.0	253.3	
25 Iodomethane	142	2.894	2.894	0.000	99	777028	50.0	52.1	
26 Carbon disulfide	76	2.918	2.924	-0.006	98	1472061	50.0	49.7	
28 3-Chloro-1-propene	41	3.095	3.094	0.000	88	966512	50.0	52.5	
27 Methyl acetate	43	3.143	3.149	-0.006	95	1385963	100.0	101.3	
30 Methylene Chloride	84	3.259	3.259	0.000	91	607491	50.0	49.2	
31 2-Methyl-2-propanol	59	3.423	3.429	-0.006	93	930178	500.0	563.3	
32 Methyl tert-butyl ether	73	3.453	3.453	0.000	92	1851009	50.0	51.4	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	90	540622	50.0	49.7	
33 Acrylonitrile	53	3.539	3.539	0.000	98	3519748	500.0	506.6	
35 Hexane	57	3.660	3.660	0.000	88	989394	50.0	50.9	

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	3.898	3.898	0.000	85	1079322	50.0	48.8	
37 Vinyl acetate	43	3.952	3.952	0.000	97	3093884	100.0	105.1	
44 2,2-Dichloropropane	77	4.421	4.421	0.000	91	603994	50.0	50.9	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	63	638986	50.0	49.9	
43 2-Butanone (MEK)	43	4.494	4.494	0.000	94	1947342	250.0	250.5	
48 Chlorobromomethane	128	4.694	4.694	0.000	89	314853	50.0	50.0	
49 Tetrahydrofuran	42	4.707	4.713	-0.006	91	551258	100.0	101.9	
50 Chloroform	83	4.767	4.774	-0.007	81	975133	50.0	48.0	
51 1,1,1-Trichloroethane	97	4.877	4.883	-0.006	90	750082	50.0	52.1	
52 Cyclohexane	56	4.883	4.883	0.000	92	1038662	50.0	52.6	
55 Carbon tetrachloride	117	5.017	5.017	0.000	79	677061	50.0	53.2	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	90	742671	50.0	50.6	
57 Benzene	78	5.242	5.242	0.000	98	2300891	50.0	50.3	
53 Isobutyl alcohol	43	5.260	5.266	-0.006	95	1067746	1250.0	1334.8	
58 1,2-Dichloroethane	62	5.309	5.315	-0.006	79	894116	50.0	47.8	
59 n-Heptane	43	5.406	5.406	0.000	94	978510	50.0	48.6	
62 Trichloroethene	95	5.850	5.850	0.000	92	592258	50.0	50.8	
64 Methylcyclohexane	83	5.966	5.960	0.006	95	914040	50.0	47.9	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	93	657759	50.0	50.9	
67 Dibromomethane	93	6.234	6.234	0.000	90	383530	50.0	50.5	
66 1,4-Dioxane	88	6.240	6.240	0.000	40	155047	1000.0	1064.4	
68 Dichlorobromomethane	83	6.386	6.386	0.000	92	747501	50.0	52.2	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	90	489660	50.0	53.4	
72 cis-1,3-Dichloropropene	75	6.805	6.805	0.000	87	917245	50.0	57.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.945	6.951	-0.006	96	4143883	250.0	259.4	
74 Toluene	92	7.091	7.085	0.006	96	1455388	50.0	50.2	
77 trans-1,3-Dichloropropene	75	7.377	7.371	0.006	95	854867	50.0	57.8	
75 Ethyl methacrylate	69	7.414	7.414	0.000	87	856423	50.0	55.3	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	87	460315	50.0	51.2	
81 Tetrachloroethene	166	7.615	7.621	-0.006	75	581906	50.0	51.3	
82 1,3-Dichloropropane	76	7.724	7.724	0.000	94	983359	50.0	51.7	
80 2-Hexanone	43	7.791	7.791	0.000	93	3089067	250.0	260.8	
83 Chlorodibromomethane	129	7.967	7.961	0.006	88	589141	50.0	57.4	
84 Ethylene Dibromide	107	8.071	8.065	0.006	98	593435	50.0	51.2	
87 Chlorobenzene	112	8.539	8.539	0.000	92	1610014	50.0	49.8	
88 Ethylbenzene	91	8.631	8.631	0.000	98	2701761	50.0	53.2	
89 1,1,1,2-Tetrachloroethane	131	8.637	8.637	0.000	43	552096	50.0	53.6	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	99	1111934	50.0	54.6	
91 o-Xylene	106	9.178	9.178	0.000	97	1051245	50.0	54.0	
92 Styrene	104	9.209	9.208	0.000	94	1786584	50.0	53.9	
95 Bromoform	173	9.464	9.464	0.000	95	361655	50.0	53.6	
94 Isopropylbenzene	105	9.561	9.561	0.000	96	2611796	50.0	53.1	
101 Bromobenzene	156	9.908	9.908	0.000	94	682390	50.0	51.3	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	67	770597	50.0	49.3	
99 N-Propylbenzene	91	9.981	9.981	0.000	94	3064163	50.0	51.9	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	78	257469	50.0	49.9	
98 trans-1,4-Dichloro-2-buten	53	10.012	10.018	-0.006	65	238376	50.0	67.0	
103 2-Chlorotoluene	126	10.091	10.091	0.000	96	634423	50.0	49.1	
102 1,3,5-Trimethylbenzene	105	10.158	10.158	0.000	76	2240961	50.0	54.5	
105 4-Chlorotoluene	126	10.200	10.200	0.000	96	673882	50.0	52.5	
106 tert-Butylbenzene	134	10.474	10.474	0.000	93	481566	50.0	52.7	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	51	2313684	50.0	52.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.681	0.006	94	2737287	50.0	52.4	
110 4-Isopropyltoluene	119	10.821	10.821	0.000	96	2339882	50.0	53.6	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	74	1288766	50.0	52.6	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	93	1304157	50.0	49.6	
115 n-Butylbenzene	91	11.210	11.210	0.000	97	2064488	50.0	53.7	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	92	1219389	50.0	49.3	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	82	153936	50.0	56.2	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	94	870678	50.0	51.4	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	94	381574	50.0	50.0	
121 Naphthalene	128	12.877	12.877	0.000	97	2623728	50.0	56.9	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	94	837601	50.0	51.7	
S 126 1,3-Dichloropropene, Total	1				0			114.8	
S 125 1,2-Dichloroethene, Total	1				0			99.6	
S 124 Xylenes, Total	1				0			108.7	
S 123 Total BTEX	1				0			262.4	

Reagents:

8260 CORP mix_00129	Amount Added: 25.00	Units: uL	
GAS CORP mix_00291	Amount Added: 25.00	Units: uL	
S_8260_IS_00294	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00277	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180719-73226.b\\S3713.D

Injection Date: 19-Jul-2018 19:22:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC 6

Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL

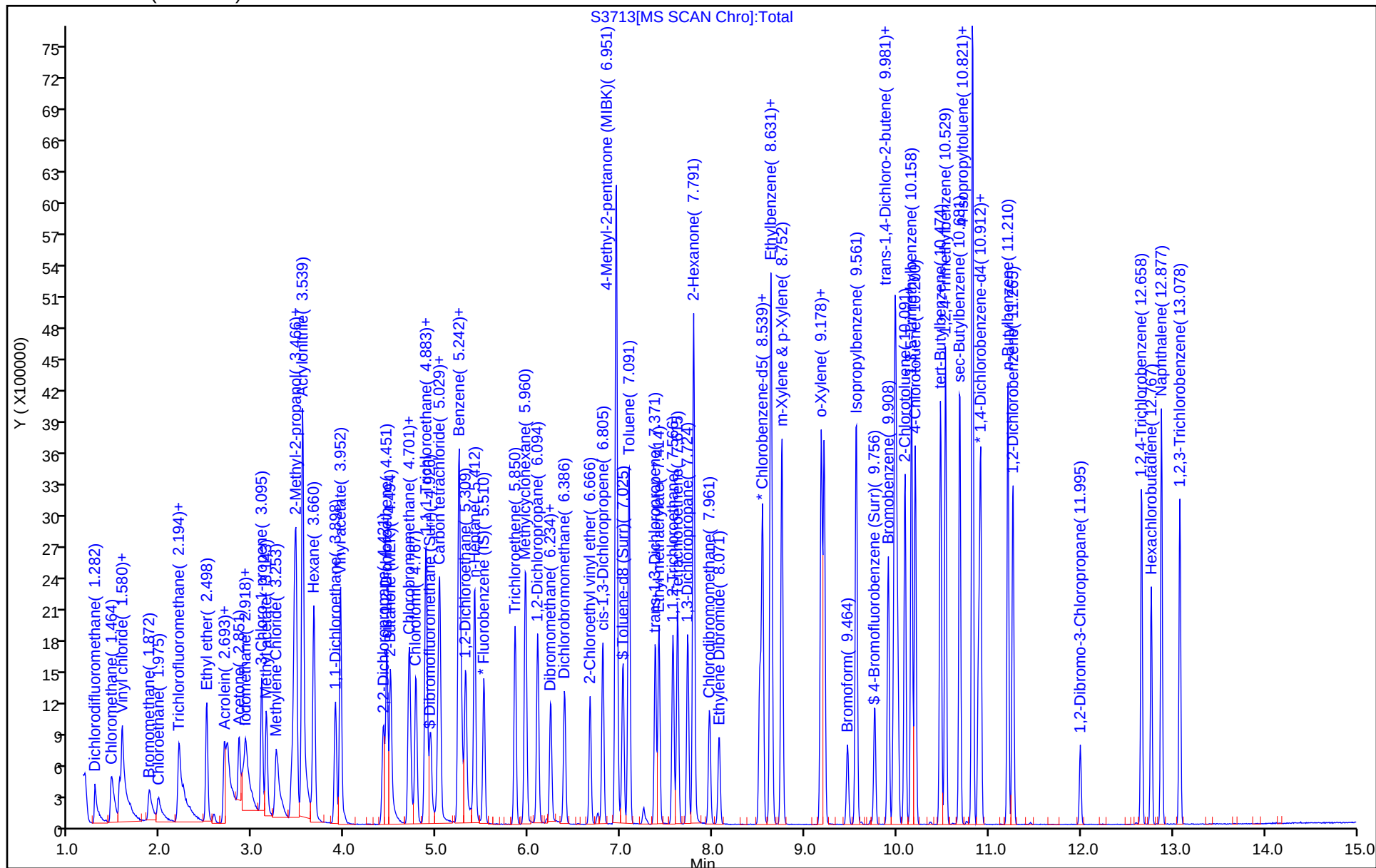
Dil. Factor: 1.0000

ALS Bottle#: 48

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3714.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 19-Jul-2018 19:45:30 ALS Bottle#: 49 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0073226-013
 Operator ID: LH Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 20-Jul-2018 13:37:13 Calib Date: 20-Jul-2018 00:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3725.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: HillL

Date: 20-Jul-2018 12:26:23

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	5.510	5.510	0.000	99	218854	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	461929	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	21	418489	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	66	257834	25.0	24.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	36	165757	25.0	25.1	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.024	0.001	57	998204	25.0	24.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	85	310968	25.0	24.9	
10 Dichlorodifluoromethane	85	1.288	1.288	0.000	88	1296098	100.0	113.3	
12 Chloromethane	50	1.470	1.464	0.006	88	1805672	100.0	96.0	
13 Vinyl chloride	62	1.555	1.555	0.000	79	1531625	100.0	103.9	
151 Butadiene	54	1.580	1.580	0.000	85	1679702	100.0	105.8	
14 Bromomethane	94	1.872	1.872	0.000	91	837474	100.0	99.6	
15 Chloroethane	64	1.975	1.981	-0.006	93	915132	100.0	110.9	
17 Trichlorofluoromethane	101	2.200	2.200	0.000	64	1655931	100.0	113.3	
16 Dichlorofluoromethane	67	2.200	2.206	-0.006	81	1934631	100.0	101.8	
18 Ethyl ether	59	2.498	2.498	0.000	94	1321325	100.0	105.7	
20 Acrolein	56	2.687	2.693	-0.006	100	1182275	500.0	577.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.705	2.705	0.000	68	974036	100.0	106.6	
22 1,1-Dichloroethene	96	2.724	2.729	-0.005	96	1130280	100.0	114.4	
23 Acetone	43	2.851	2.851	0.000	100	2462316	500.0	511.6	
25 Iodomethane	142	2.894	2.894	0.000	98	1730060	100.0	116.5	
26 Carbon disulfide	76	2.924	2.924	0.000	99	3232909	100.0	109.7	
28 3-Chloro-1-propene	41	3.095	3.094	0.001	89	2031489	100.0	110.9	
27 Methyl acetate	43	3.149	3.149	0.000	95	2749122	200.0	201.9	
30 Methylene Chloride	84	3.259	3.259	0.000	87	1253016	100.0	102.7	
31 2-Methyl-2-propanol	59	3.423	3.429	-0.006	96	2062779	1000.0	1254.8	
32 Methyl tert-butyl ether	73	3.454	3.453	0.001	98	3841995	100.0	107.1	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	91	1188664	100.0	109.7	
33 Acrylonitrile	53	3.545	3.539	0.006	97	6927743	1000.0	1001.7	
35 Hexane	57	3.666	3.660	0.006	87	2064605	100.0	106.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.898	3.898	0.000	85	2317949	100.0	105.4	
37 Vinyl acetate	43	3.952	3.952	0.000	97	6228436	200.0	212.5	
44 2,2-Dichloropropane	77	4.421	4.421	0.000	93	1286495	100.0	108.9	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	68	1330882	100.0	104.4	
43 2-Butanone (MEK)	43	4.500	4.494	0.006	94	3996716	500.0	516.6	
48 Chlorobromomethane	128	4.695	4.694	0.001	91	664472	100.0	106.0	
49 Tetrahydrofuran	42	4.707	4.713	-0.006	92	1167844	200.0	216.9	
50 Chloroform	83	4.774	4.774	0.000	80	2018924	100.0	99.9	
51 1,1,1-Trichloroethane	97	4.877	4.883	-0.006	89	1631404	100.0	113.8	
52 Cyclohexane	56	4.883	4.883	0.000	92	2208697	100.0	112.4	
55 Carbon tetrachloride	117	5.017	5.017	0.000	79	1508484	100.0	119.0	
54 1,1-Dichloropropene	75	5.035	5.029	0.006	93	1636238	100.0	111.9	
57 Benzene	78	5.242	5.242	0.000	98	4689840	100.0	102.9	
53 Isobutyl alcohol	43	5.266	5.266	0.000	95	2249045	2500.0	2824.3	
58 1,2-Dichloroethane	62	5.315	5.315	0.000	80	1846817	100.0	99.2	
59 n-Heptane	43	5.412	5.406	0.006	93	2121307	100.0	105.7	
62 Trichloroethene	95	5.850	5.850	0.000	94	1263639	100.0	108.8	
64 Methylcyclohexane	83	5.966	5.960	0.006	94	2020933	100.0	106.4	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	93	1352383	100.0	105.1	
67 Dibromomethane	93	6.240	6.234	0.006	93	790193	100.0	104.4	
66 1,4-Dioxane	88	6.240	6.240	0.000	37	311487	2000.0	2055.8	M
68 Dichlorobromomethane	83	6.386	6.386	0.000	93	1613047	100.0	113.2	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	90	1041830	100.0	114.0	
72 cis-1,3-Dichloropropene	75	6.806	6.805	0.001	90	1940578	100.0	121.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.951	0.001	91	7670527	500.0	461.6	
74 Toluene	92	7.092	7.085	0.007	98	3043119	100.0	101.0	
77 trans-1,3-Dichloropropene	75	7.377	7.371	0.006	95	1871725	100.0	121.6	
75 Ethyl methacrylate	69	7.414	7.414	0.000	88	1839365	100.0	114.2	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	87	959901	100.0	102.6	
81 Tetrachloroethene	166	7.615	7.621	-0.006	78	1250544	100.0	106.0	
82 1,3-Dichloropropane	76	7.730	7.724	0.006	94	2029680	100.0	102.7	
80 2-Hexanone	43	7.791	7.791	0.000	89	5941243	500.0	482.2	
83 Chlorodibromomethane	129	7.961	7.961	0.000	91	1272036	100.0	119.2	
84 Ethylene Dibromide	107	8.071	8.065	0.006	98	1223809	100.0	101.5	
87 Chlorobenzene	112	8.539	8.539	0.000	92	3367668	100.0	100.1	
88 Ethylbenzene	91	8.631	8.631	0.000	98	5460488	100.0	103.4	
89 1,1,1,2-Tetrachloroethane	131	8.637	8.637	0.000	44	1173554	100.0	109.5	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	98	2286368	100.0	108.0	
91 o-Xylene	106	9.178	9.178	0.000	97	2213921	100.0	109.4	
92 Styrene	104	9.209	9.208	0.001	94	3781281	100.0	109.6	
95 Bromoform	173	9.464	9.464	0.000	95	806190	100.0	114.2	
94 Isopropylbenzene	105	9.561	9.561	0.000	96	5348527	100.0	107.2	
101 Bromobenzene	156	9.908	9.908	0.000	95	1407442	100.0	104.4	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	69	1606742	100.0	101.4	
99 N-Propylbenzene	91	9.987	9.981	0.006	97	6014190	100.0	100.5	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	74	549886	100.0	105.2	
98 trans-1,4-Dichloro-2-buten	53	10.012	10.018	-0.006	71	556327	100.0	154.3	
103 2-Chlorotoluene	126	10.091	10.091	0.000	96	1346769	100.0	102.9	
102 1,3,5-Trimethylbenzene	105	10.164	10.158	0.006	75	4479091	100.0	107.5	
105 4-Chlorotoluene	126	10.200	10.200	0.000	96	1397873	100.0	107.4	
106 tert-Butylbenzene	134	10.474	10.474	0.000	92	1025337	100.0	110.8	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	76	4647728	100.0	104.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.681	0.006	95	5407635	100.0	102.2	
110 4-Isopropyltoluene	119	10.827	10.821	0.006	95	4684582	100.0	105.8	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	74	2600501	100.0	104.7	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	92	2669959	100.0	100.1	
115 n-Butylbenzene	91	11.210	11.210	0.000	96	4158287	100.0	106.8	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	91	2523742	100.0	100.7	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	82	340610	100.0	122.7	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	95	1756230	100.0	102.3	
120 Hexachlorobutadiene	225	12.768	12.767	0.001	96	736178	100.0	95.1	
121 Naphthalene	128	12.877	12.877	0.000	98	5220400	100.0	111.7	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	94	1683768	100.0	102.7	
S 126 1,3-Dichloropropene, Total	1				0			242.8	
S 125 1,2-Dichloroethene, Total	1				0			214.2	
S 124 Xylenes, Total	1				0			217.4	
S 123 Total BTEX	1				0			524.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00129

Amount Added: 50.00

Units: uL

GAS CORP mix_00291

Amount Added: 50.00

Units: uL

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00277

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180719-73226.b\\S3714.D

Injection Date: 19-Jul-2018 19:45:30

Instrument ID: HP5973S

Operator ID: LH

Lims ID: IC 7

Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL

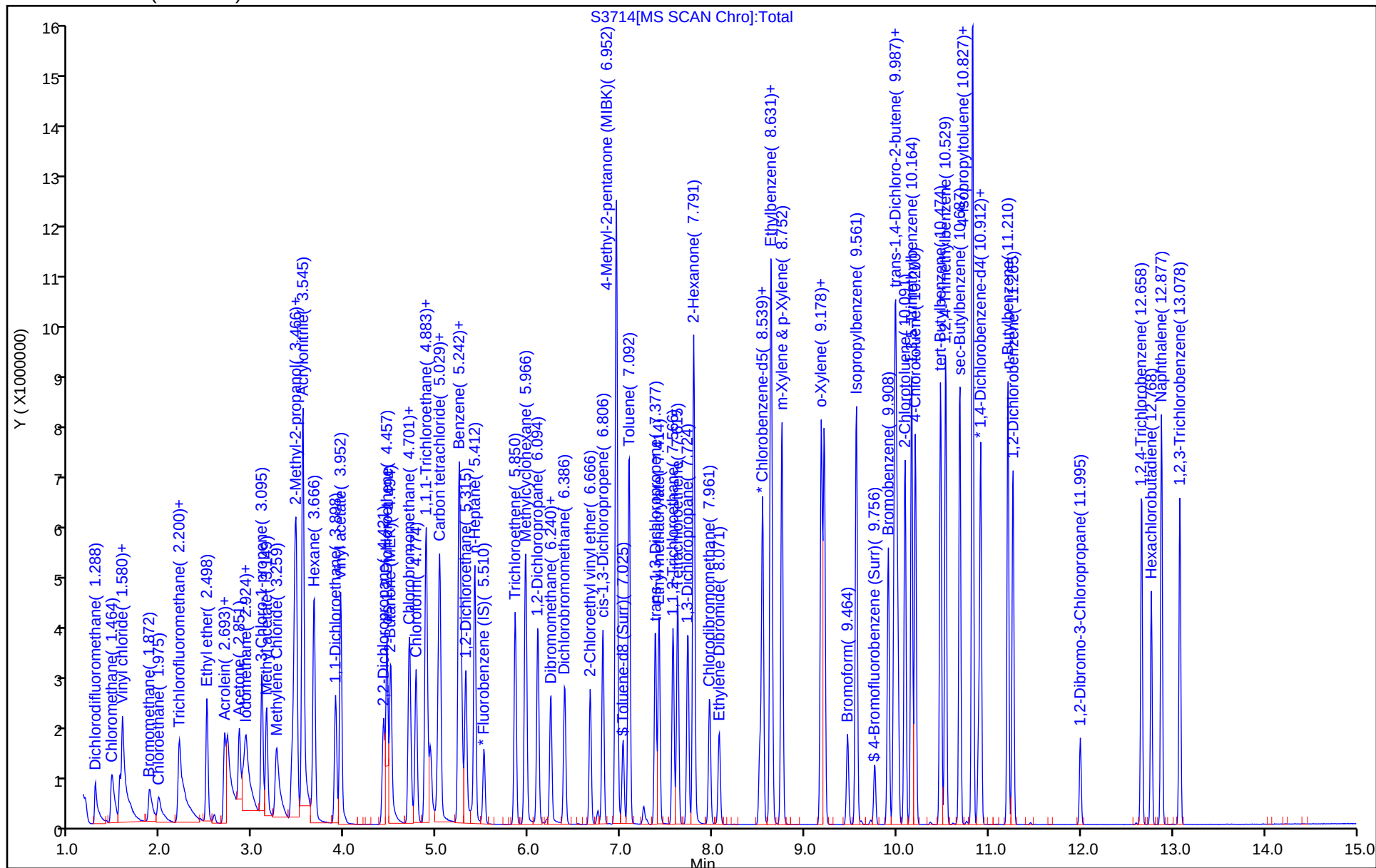
Dil. Factor: 1.0000

ALS Bottle#: 49

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

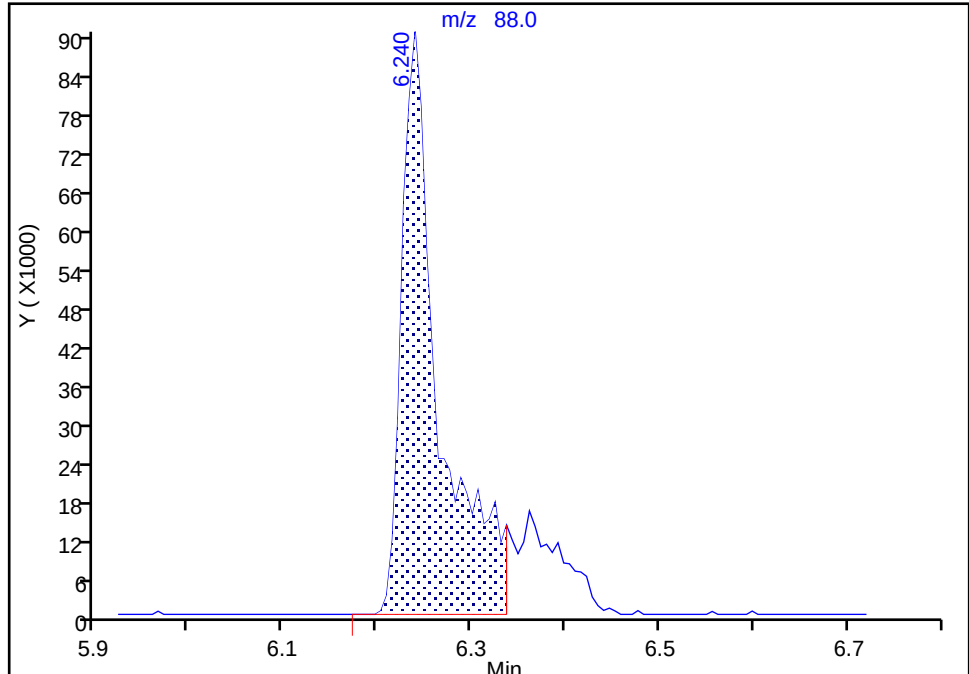
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3714.D
Injection Date: 19-Jul-2018 19:45:30 Instrument ID: HP5973S
Lims ID: IC 7
Client ID:
Operator ID: LH ALS Bottle#: 49 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

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

Signal: 1

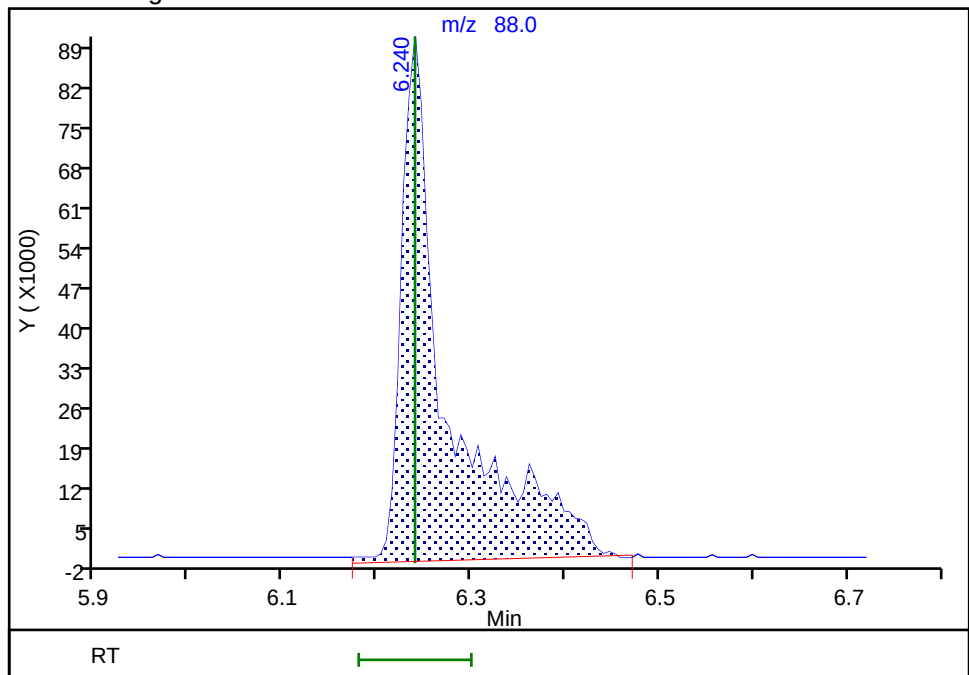
RT: 6.24
Area: 252403
Amount: 1788.8426
Amount Units: ug/L

Processing Integration Results



RT: 6.24
Area: 311487
Amount: 2055.8100
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 20-Jul-2018 12:26:03
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Lab Sample ID: CCVIS 480-424504/3 Calibration Date: 07/15/2018 09:02

Instrument ID: HP5973N Calib Start Date: 06/15/2018 13:52

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/15/2018 17:01

Lab File ID: N1474.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	1.501	1.330	0.1000	22.1	25.0	-11.4	50.0
Chloromethane	Ave	2.075	2.191	0.1000	26.4	25.0	5.6	20.0
Vinyl chloride	Ave	1.740	1.729	0.1000	24.8	25.0	-0.6	20.0
Butadiene	Ave	1.776	2.081		29.3	25.0	17.2	20.0
Bromomethane	Ave	0.9578	0.9503	0.1000	24.8	25.0	-0.8	50.0
Chloroethane	Ave	0.8778	1.017	0.1000	29.0	25.0	15.9	50.0
Dichlorofluoromethane	Ave	2.163	2.403		27.8	25.0	11.1	20.0
Trichlorofluoromethane	Ave	1.981	2.154	0.1000	27.2	25.0	8.8	20.0
Ethyl ether	Ave	1.575	1.715		27.2	25.0	8.9	20.0
Acrolein	Ave	0.2785	0.3558		160	125	27.7	50.0
1,1-Dichloroethene	Ave	1.302	1.202	0.1000	23.1	25.0	-7.6	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.183	1.354	0.1000	28.6	25.0	14.4	20.0
Acetone	Ave	0.5014	0.7723	0.1000	193	125	54.0*	50.0
Iodomethane	Ave	2.394	2.351		24.6	25.0	-1.8	20.0
Carbon disulfide	Ave	4.017	3.652	0.1000	22.7	25.0	-9.1	20.0
Allyl chloride	Ave	2.835	3.136		27.7	25.0	10.6	20.0
Methyl acetate	Ave	1.742	2.070	0.1000	59.4	50.0	18.8	50.0
Methylene Chloride	Lin1		1.380	0.1000	21.6	25.0	-13.5	20.0
2-Methyl-2-propanol	Ave	0.1186	0.1501		316	250	26.5	50.0
Methyl tert-butyl ether	Ave	4.841	4.503	0.1000	23.3	25.0	-7.0	20.0
trans-1,2-Dichloroethene	Ave	1.537	1.393	0.1000	22.7	25.0	-9.3	20.0
Acrylonitrile	Ave	0.8074	0.9619		298	250	19.1	20.0
Hexane	Ave	2.407	2.939		30.5	25.0	22.1*	20.0
1,1-Dichloroethane	Ave	2.889	2.890	0.2000	25.0	25.0	0.0	20.0
Vinyl acetate	Ave	3.207	4.935		76.9	50.0	53.9*	20.0
2,2-Dichloropropane	Ave	1.961	1.847		23.6	25.0	-5.8	20.0
cis-1,2-Dichloroethene	Ave	1.685	1.577	0.1000	23.4	25.0	-6.4	20.0
2-Butanone (MEK)	Ave	0.9190	1.286	0.1000	175	125	40.0*	20.0
Chlorobromomethane	Ave	0.8657	0.8425		24.3	25.0	-2.7	20.0
Tetrahydrofuran	Ave	0.7097	0.8597		60.6	50.0	21.1*	20.0
Chloroform	Ave	2.676	2.591	0.2000	24.2	25.0	-3.2	20.0
1,1,1-Trichloroethane	Ave	2.231	2.185	0.1000	24.5	25.0	-2.1	20.0
Cyclohexane	Ave	2.675	2.988	0.1000	27.9	25.0	11.7	20.0
Carbon tetrachloride	Ave	1.896	1.963	0.1000	25.9	25.0	3.5	20.0
1,1-Dichloropropene	Ave	1.954	1.897		24.3	25.0	-2.9	20.0
Benzene	Ave	5.704	5.507	0.5000	24.1	25.0	-3.4	20.0
Isobutyl alcohol	Ave	0.0993	0.1060		667	625	6.8	50.0
1,2-Dichloroethane	Ave	2.561	2.754	0.1000	26.9	25.0	7.6	20.0
n-Heptane	Ave	2.437	3.548		36.4	25.0	45.6*	20.0
Trichloroethene	Ave	1.549	1.501	0.2000	24.2	25.0	-3.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Lab Sample ID: CCVIS 480-424504/3 Calibration Date: 07/15/2018 09:02

Instrument ID: HP5973N Calib Start Date: 06/15/2018 13:52

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/15/2018 17:01

Lab File ID: N1474.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	2.455	2.540	0.1000	25.9	25.0	3.5	20.0
1,2-Dichloropropane	Ave	1.550	1.602	0.1000	25.8	25.0	3.4	20.0
Dibromomethane	Ave	1.029	1.005	0.1000	24.4	25.0	-2.4	20.0
1,4-Dioxane	Ave	0.0051	0.0041		402	500	-19.7	50.0
Bromodichloromethane	Ave	1.911	1.829	0.2000	23.9	25.0	-4.3	20.0
2-Chloroethyl vinyl ether	Ave	1.057	1.210		28.6	25.0	14.5	20.0
cis-1,3-Dichloropropene	Ave	2.198	2.016	0.2000	22.9	25.0	-8.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1998	0.2349	0.1000	147	125	17.6	20.0
Toluene	Ave	0.9635	0.9193	0.4000	23.9	25.0	-4.6	20.0
trans-1,3-Dichloropropene	Ave	0.5162	0.4788	0.1000	23.2	25.0	-7.2	20.0
Ethyl methacrylate	Ave	0.4744	0.4279		22.5	25.0	-9.8	20.0
1,1,2-Trichloroethane	Ave	0.2733	0.2559	0.1000	23.4	25.0	-6.4	20.0
Tetrachloroethene	Ave	0.4224	0.4394	0.2000	26.0	25.0	4.0	20.0
1,3-Dichloropropane	Ave	0.5881	0.5363		22.8	25.0	-8.8	20.0
2-Hexanone	Ave	0.3685	0.4883	0.1000	166	125	32.5*	20.0
Dibromochloromethane	Ave	0.3866	0.3409	0.1000	22.0	25.0	-11.8	20.0
1,2-Dibromoethane	Ave	0.3596	0.3519		24.5	25.0	-2.1	20.0
Chlorobenzene	Ave	1.096	1.038	0.5000	23.7	25.0	-5.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3977	0.3784		23.8	25.0	-4.9	20.0
Ethylbenzene	Ave	1.780	1.712	0.1000	24.0	25.0	-3.8	20.0
m,p-Xylene	Ave	0.6775	0.6566	0.1000	24.2	25.0	-3.1	20.0
o-Xylene	Ave	0.7048	0.6634	0.3000	23.5	25.0	-5.9	20.0
Styrene	Ave	1.136	1.126	0.3000	24.8	25.0	-0.9	20.0
Bromoform	Ave	0.2496	0.2206	0.1000	22.1	25.0	-11.6	50.0
Isopropylbenzene	Ave	3.585	3.189	0.1000	22.2	25.0	-11.0	20.0
Bromobenzene	Ave	0.9306	0.8468		22.7	25.0	-9.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9491	0.8479	0.3000	22.3	25.0	-10.7	20.0
1,2,3-Trichloropropane	Ave	0.3181	0.2865		22.5	25.0	-9.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3527	0.2847		20.2	25.0	-19.3	50.0
N-Propylbenzene	Ave	4.082	3.608		22.1	25.0	-11.6	20.0
2-Chlorotoluene	Ave	0.8487	0.7975		23.5	25.0	-6.0	20.0
1,3,5-Trimethylbenzene	Ave	2.889	2.621		22.7	25.0	-9.3	20.0
4-Chlorotoluene	Ave	2.723	2.457		22.6	25.0	-9.8	20.0
tert-Butylbenzene	Ave	0.6952	0.6183		22.2	25.0	-11.1	20.0
1,2,4-Trimethylbenzene	Ave	3.017	2.752		22.8	25.0	-8.8	20.0
sec-Butylbenzene	Ave	3.780	3.404		22.5	25.0	-9.9	20.0
1,3-Dichlorobenzene	Ave	1.736	1.623	0.6000	23.4	25.0	-6.5	20.0
4-Isopropyltoluene	Ave	3.260	3.020		23.2	25.0	-7.4	20.0
1,4-Dichlorobenzene	Ave	1.748	1.648	0.5000	23.6	25.0	-5.7	20.0
n-Butylbenzene	Ave	2.898	2.616		22.6	25.0	-9.7	20.0
1,2-Dichlorobenzene	Ave	1.681	1.593	0.4000	23.7	25.0	-5.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-424504/3 Calibration Date: 07/15/2018 09:02
 Instrument ID: HP5973N Calib Start Date: 06/15/2018 13:52
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/15/2018 17:01
 Lab File ID: N1474.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	0.1805	0.1404	0.0500	19.4	25.0	-22.2	50.0
1,2,4-Trichlorobenzene	Ave	1.123	1.044	0.2000	23.2	25.0	-7.1	20.0
Hexachlorobutadiene	Ave	0.5235	0.5085		24.3	25.0	-2.9	20.0
Naphthalene	Ave	3.274	2.839		21.7	25.0	-13.3	20.0
1,2,3-Trichlorobenzene	Ave	1.032	0.9406		22.8	25.0	-8.9	20.0
Dibromofluoromethane (Surr)	Ave	1.429	1.408		24.6	25.0	-1.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.780	1.948		27.4	25.0	9.4	20.0
Toluene-d8 (Surr)	Ave	1.319	1.234		23.4	25.0	-6.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4117	0.4444		27.0	25.0	7.9	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1474.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 15-Jul-2018 09:02:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0073087-003
 Operator ID: AM Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Jul-2018 09:39:47 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK006

First Level Reviewer: moffata

Date: 15-Jul-2018 09:39:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	233733	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.338	0.000	88	927332	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	95	508313	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	0.000	69	329033	25.0	24.6	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	455214	25.0	27.4	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	1143995	25.0	23.4	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.598	0.000	94	412081	25.0	27.0	
11 Dichlorodifluoromethane	85	1.300	1.300	0.000	97	310781	25.0	22.1	
13 Chloromethane	50	1.470	1.470	0.000	100	512208	25.0	26.4	
14 Vinyl chloride	62	1.543	1.543	0.000	97	404174	25.0	24.8	
144 Butadiene	54	1.567	1.567	0.000	95	486321	25.0	29.3	
15 Bromomethane	94	1.847	1.847	0.000	93	222112	25.0	24.8	
16 Chloroethane	64	1.939	1.939	0.000	95	237701	25.0	29.0	
17 Dichlorofluoromethane	67	2.139	2.139	0.000	90	561688	25.0	27.8	
18 Trichlorofluoromethane	101	2.145	2.145	0.000	94	503554	25.0	27.2	
19 Ethyl ether	59	2.431	2.431	0.000	95	400911	25.0	27.2	
20 Acrolein	56	2.583	2.583	0.000	99	415750	125.0	159.7	
22 1,1-Dichloroethene	96	2.632	2.632	0.000	92	281039	25.0	23.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.644	2.644	0.000	53	316368	25.0	28.6	
23 Acetone	43	2.736	2.736	0.000	97	902544	125.0	192.6	
24 Iodomethane	142	2.784	2.784	0.000	100	549425	25.0	24.6	
25 Carbon disulfide	76	2.827	2.827	0.000	98	853689	25.0	22.7	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	83	732905	25.0	27.7	
28 Methyl acetate	43	3.034	3.034	0.000	100	967563	50.0	59.4	
30 Methylene Chloride	84	3.125	3.125	0.000	90	322549	25.0	21.6	
31 2-Methyl-2-propanol	59	3.289	3.289	0.000	96	350905	250.0	316.3	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	97	1052505	25.0	23.3	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	91	325650	25.0	22.7	
34 Acrylonitrile	53	3.386	3.386	0.000	98	2248283	250.0	297.8	
35 Hexane	57	3.581	3.581	0.000	96	686866	25.0	30.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.764	3.764	0.000	97	675563	25.0	25.0	
39 Vinyl acetate	43	3.818	3.818	0.000	97	2306796	50.0	76.9	
42 2,2-Dichloropropane	77	4.287	4.287	0.000	81	431768	25.0	23.6	
43 cis-1,2-Dichloroethene	96	4.311	4.311	0.000	85	368704	25.0	23.4	
44 2-Butanone (MEK)	43	4.335	4.335	0.000	96	1503388	125.0	175.0	
47 Chlorobromomethane	128	4.536	4.536	0.000	90	196920	25.0	24.3	
49 Tetrahydrofuran	42	4.567	4.567	0.000	91	401882	50.0	60.6	
50 Chloroform	83	4.615	4.615	0.000	96	605673	25.0	24.2	
51 1,1,1-Trichloroethane	97	4.743	4.743	0.000	96	510667	25.0	24.5	
52 Cyclohexane	56	4.767	4.767	0.000	97	698315	25.0	27.9	
53 Carbon tetrachloride	117	4.883	4.883	0.000	96	458862	25.0	25.9	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	85	443328	25.0	24.3	
56 Isobutyl alcohol	43	5.090	5.090	0.000	83	619354	625.0	667.2	
55 Benzene	78	5.090	5.090	0.000	94	1287232	25.0	24.1	
57 1,2-Dichloroethane	62	5.139	5.139	0.000	96	643755	25.0	26.9	
59 n-Heptane	43	5.303	5.303	0.000	96	829357	25.0	36.4	
60 Trichloroethene	95	5.704	5.704	0.000	92	350808	25.0	24.2	
62 Methylcyclohexane	83	5.844	5.844	0.000	95	593679	25.0	25.9	
63 1,2-Dichloropropane	63	5.929	5.929	0.000	85	374543	25.0	25.8	
64 Dibromomethane	93	6.057	6.057	0.000	94	234784	25.0	24.4	
66 1,4-Dioxane	88	6.075	6.075	0.000	94	75250	500.0	401.7	M
67 Dichlorobromomethane	83	6.209	6.209	0.000	95	427494	25.0	23.9	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	91	282848	25.0	28.6	
71 cis-1,3-Dichloropropene	75	6.629	6.629	0.000	84	471123	25.0	22.9	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	99	1089153	125.0	147.0	
73 Toluene	92	6.933	6.933	0.000	97	852473	25.0	23.9	
75 trans-1,3-Dichloropropene	75	7.195	7.195	0.000	91	444014	25.0	23.2	
77 Ethyl methacrylate	69	7.262	7.262	0.000	89	396762	25.0	22.5	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	94	237308	25.0	23.4	
79 Tetrachloroethene	166	7.475	7.475	0.000	95	407436	25.0	26.0	
80 1,3-Dichloropropane	76	7.542	7.542	0.000	90	497319	25.0	22.8	
82 2-Hexanone	43	7.615	7.615	0.000	98	2263990	125.0	165.6	
83 Chlorodibromomethane	129	7.779	7.779	0.000	89	316088	25.0	22.0	
84 Ethylene Dibromide	107	7.882	7.882	0.000	97	326357	25.0	24.5	
85 Chlorobenzene	112	8.369	8.369	0.000	94	962413	25.0	23.7	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	92	350879	25.0	23.8	
88 Ethylbenzene	91	8.472	8.472	0.000	98	1587347	25.0	24.0	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	608842	25.0	24.2	
91 o-Xylene	106	9.020	9.020	0.000	97	615207	25.0	23.5	
92 Styrene	104	9.044	9.044	0.000	95	1044582	25.0	24.8	
93 Bromoform	173	9.275	9.275	0.000	96	204562	25.0	22.1	
95 Isopropylbenzene	105	9.409	9.409	0.000	96	1621068	25.0	22.2	
97 Bromobenzene	156	9.744	9.744	0.000	86	430443	25.0	22.7	
98 1,1,2,2-Tetrachloroethane	83	9.786	9.786	0.000	95	431020	25.0	22.3	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	93	145651	25.0	22.5	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.835	0.000	76	144702	25.0	20.2	
100 N-Propylbenzene	91	9.841	9.841	0.000	99	1833948	25.0	22.1	
102 2-Chlorotoluene	126	9.938	9.938	0.000	96	405371	25.0	23.5	
104 1,3,5-Trimethylbenzene	105	10.024	10.024	0.000	94	1332367	25.0	22.7	
105 4-Chlorotoluene	91	10.048	10.048	0.000	97	1248789	25.0	22.6	
106 tert-Butylbenzene	134	10.340	10.340	0.000	95	314277	25.0	22.2	
108 1,2,4-Trimethylbenzene	105	10.395	10.395	0.000	98	1398960	25.0	22.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	95	1730311	25.0	22.5	
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	99	825216	25.0	23.4	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	97	1535084	25.0	23.2	
113 1,4-Dichlorobenzene	146	10.766	10.766	0.000	94	837633	25.0	23.6	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	1329923	25.0	22.6	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	98	809565	25.0	23.7	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.837	0.000	88	71360	25.0	19.4	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	95	530800	25.0	23.2	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	97	258468	25.0	24.3	
121 Naphthalene	128	12.737	12.737	0.000	97	1442951	25.0	21.7	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	96	478142	25.0	22.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128	Amount Added: 12.50	Units: uL	
GAS CORP mix_00290	Amount Added: 12.50	Units: uL	
N_8260_Surr_00330	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180715-73087.b\\N1474.D

Injection Date: 15-Jul-2018 09:02:30

Instrument ID: HP5973N

Operator ID: AM

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

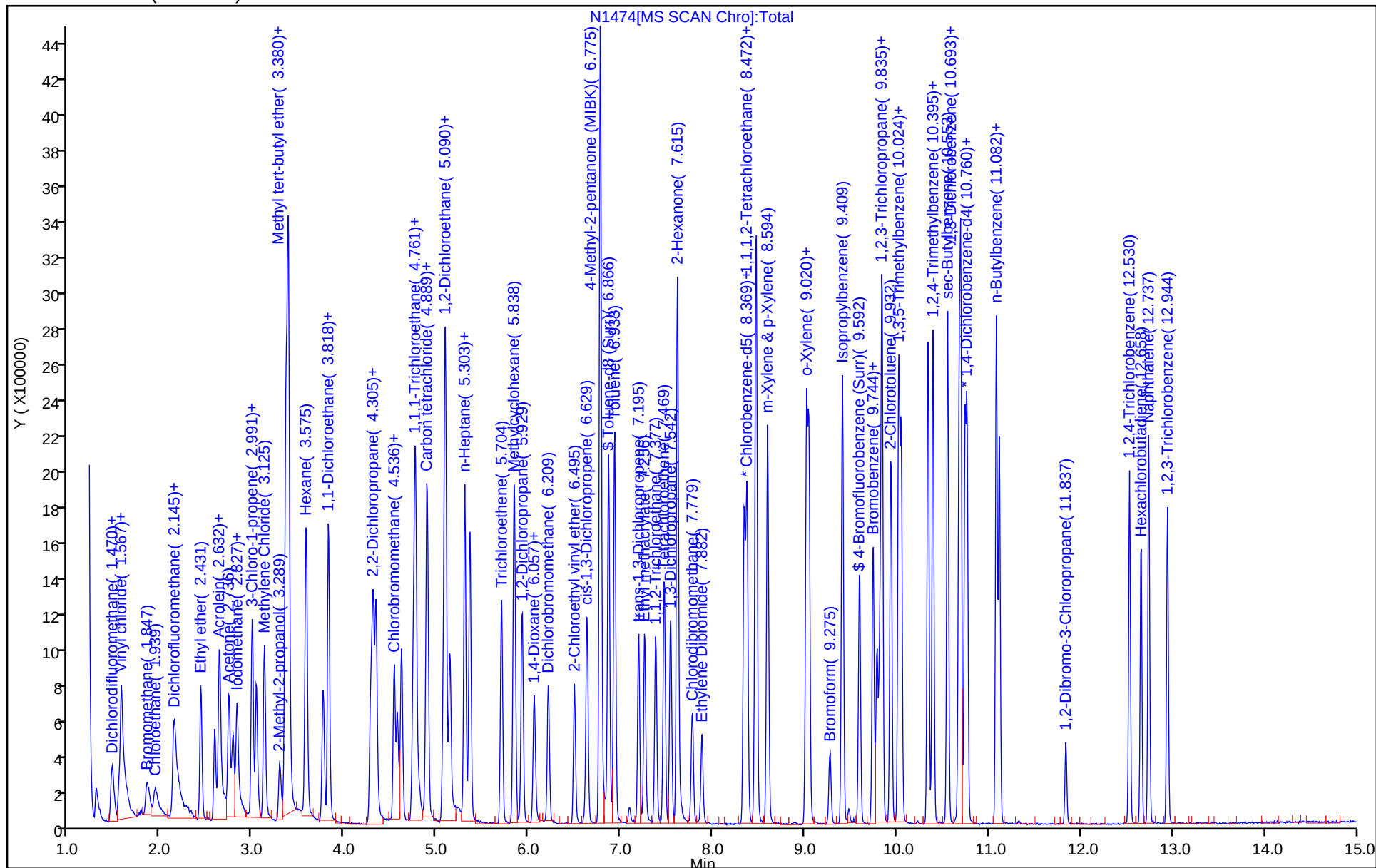
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1474.D

Injection Date: 15-Jul-2018 09:02:30

Instrument ID: HP5973N

Lims ID: CCVIS

Client ID:

Operator ID: AM

ALS Bottle#:

3

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

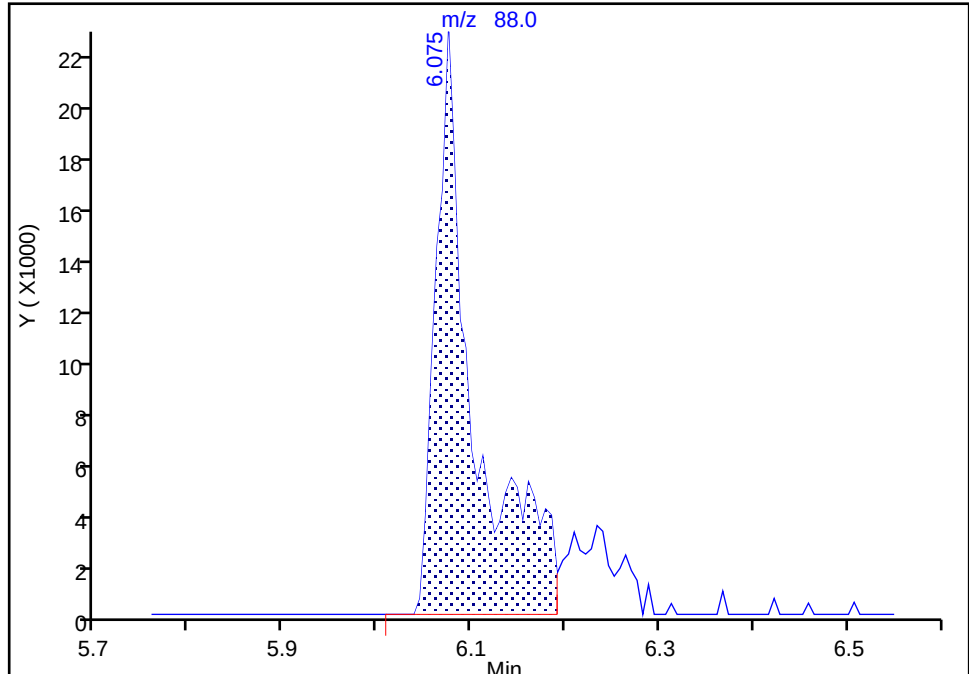
Detector: MS SCAN

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

Signal: 1

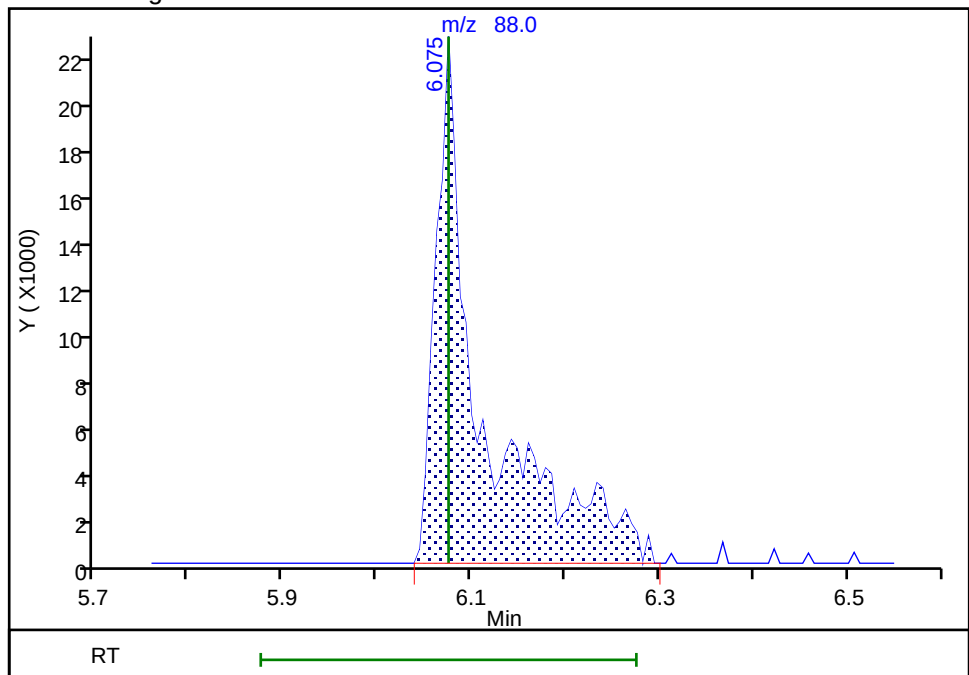
RT: 6.08
Area: 63323
Amount: 337.9900
Amount Units: ug/L

Processing Integration Results



RT: 6.08
Area: 75250
Amount: 401.6510
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 15-Jul-2018 09:39:06

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Lab Sample ID: CCVIS 480-424528/3 Calibration Date: 07/16/2018 08:25

Instrument ID: HP5973N Calib Start Date: 06/15/2018 13:52

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/15/2018 17:01

Lab File ID: N1501.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	1.501	1.819	0.1000	30.3	25.0	21.2	50.0
Chloromethane	Ave	2.075	2.746	0.1000	33.1	25.0	32.3*	20.0
Vinyl chloride	Ave	1.740	2.076	0.1000	29.8	25.0	19.3	20.0
Butadiene	Ave	1.776	2.290		32.2	25.0	29.0*	20.0
Bromomethane	Ave	0.9578	1.112	0.1000	29.0	25.0	16.1	50.0
Chloroethane	Ave	0.8778	1.186	0.1000	33.8	25.0	35.1	50.0
Dichlorofluoromethane	Ave	2.163	2.604		30.1	25.0	20.4*	20.0
Trichlorofluoromethane	Ave	1.981	2.570	0.1000	32.4	25.0	29.7*	20.0
Ethyl ether	Ave	1.575	1.776		28.2	25.0	12.7	20.0
Acrolein	Ave	0.2785	0.3616		162	125	29.9	50.0
1,1-Dichloroethene	Ave	1.302	1.182	0.1000	22.7	25.0	-9.2	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.183	1.416	0.1000	29.9	25.0	19.7	20.0
Acetone	Ave	0.5014	0.7575	0.1000	189	125	51.1*	50.0
Iodomethane	Ave	2.394	2.370		24.8	25.0	-1.0	20.0
Carbon disulfide	Ave	4.017	3.751	0.1000	23.3	25.0	-6.6	20.0
Allyl chloride	Ave	2.835	3.380		29.8	25.0	19.2	20.0
Methyl acetate	Ave	1.742	2.310	0.1000	66.3	50.0	32.6	50.0
Methylene Chloride	Lin1		1.395	0.1000	21.9	25.0	-12.5	20.0
2-Methyl-2-propanol	Ave	0.1186	0.1330		280	250	12.1	50.0
Methyl tert-butyl ether	Ave	4.841	4.578	0.1000	23.6	25.0	-5.4	20.0
trans-1,2-Dichloroethene	Ave	1.537	1.464	0.1000	23.8	25.0	-4.7	20.0
Acrylonitrile	Ave	0.8074	1.050		325	250	30.0*	20.0
Hexane	Ave	2.407	3.202		33.3	25.0	33.0*	20.0
1,1-Dichloroethane	Ave	2.889	2.982	0.2000	25.8	25.0	3.2	20.0
Vinyl acetate	Ave	3.207	5.238		81.7	50.0	63.3*	20.0
2,2-Dichloropropane	Ave	1.961	1.761		22.5	25.0	-10.2	20.0
cis-1,2-Dichloroethene	Ave	1.685	1.594	0.1000	23.6	25.0	-5.4	20.0
2-Butanone (MEK)	Ave	0.9190	1.439	0.1000	196	125	56.6*	20.0
Chlorobromomethane	Ave	0.8657	0.8797		25.4	25.0	1.6	20.0
Tetrahydrofuran	Ave	0.7097	0.9029		63.6	50.0	27.2*	20.0
Chloroform	Ave	2.676	2.639	0.2000	24.7	25.0	-1.4	20.0
1,1,1-Trichloroethane	Ave	2.231	2.232	0.1000	25.0	25.0	0.0	20.0
Cyclohexane	Ave	2.675	3.176	0.1000	29.7	25.0	18.7	20.0
Carbon tetrachloride	Ave	1.896	2.108	0.1000	27.8	25.0	11.2	20.0
1,1-Dichloropropene	Ave	1.954	1.925		24.6	25.0	-1.5	20.0
Benzene	Ave	5.704	5.702	0.5000	25.0	25.0	-0.0	20.0
Isobutyl alcohol	Ave	0.0993	0.1110		699	625	11.8	50.0
1,2-Dichloroethane	Ave	2.561	2.809	0.1000	27.4	25.0	9.7	20.0
n-Heptane	Ave	2.437	3.711		38.1	25.0	52.3*	20.0
Trichloroethene	Ave	1.549	1.609	0.2000	26.0	25.0	3.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Lab Sample ID: CCVIS 480-424528/3 Calibration Date: 07/16/2018 08:25

Instrument ID: HP5973N Calib Start Date: 06/15/2018 13:52

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/15/2018 17:01

Lab File ID: N1501.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	2.455	2.680	0.1000	27.3	25.0	9.2	20.0
1,2-Dichloropropane	Ave	1.550	1.645	0.1000	26.5	25.0	6.2	20.0
Dibromomethane	Ave	1.029	1.037	0.1000	25.2	25.0	0.8	20.0
1,4-Dioxane	Ave	0.0051	0.0040		393	500	-21.5	50.0
Bromodichloromethane	Ave	1.911	2.003	0.2000	26.2	25.0	4.8	20.0
2-Chloroethyl vinyl ether	Ave	1.057	1.278		30.2	25.0	20.9*	20.0
cis-1,3-Dichloropropene	Ave	2.198	2.120	0.2000	24.1	25.0	-3.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1998	0.2477	0.1000	155	125	24.0*	20.0
Toluene	Ave	0.9635	0.9565	0.4000	24.8	25.0	-0.7	20.0
trans-1,3-Dichloropropene	Ave	0.5162	0.5172	0.1000	25.0	25.0	0.2	20.0
Ethyl methacrylate	Ave	0.4744	0.4832		25.5	25.0	1.9	20.0
1,1,2-Trichloroethane	Ave	0.2733	0.2857	0.1000	26.1	25.0	4.5	20.0
Tetrachloroethene	Ave	0.4224	0.4648	0.2000	27.5	25.0	10.0	20.0
1,3-Dichloropropane	Ave	0.5881	0.5675		24.1	25.0	-3.5	20.0
2-Hexanone	Ave	0.3685	0.5314	0.1000	180	125	44.2*	20.0
Dibromochloromethane	Ave	0.3866	0.3819	0.1000	24.7	25.0	-1.2	20.0
1,2-Dibromoethane	Ave	0.3596	0.3737		26.0	25.0	3.9	20.0
Chlorobenzene	Ave	1.096	1.111	0.5000	25.3	25.0	1.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3977	0.3994		25.1	25.0	0.4	20.0
Ethylbenzene	Ave	1.780	1.800	0.1000	25.3	25.0	1.1	20.0
m,p-Xylene	Ave	0.6775	0.6872	0.1000	25.4	25.0	1.4	20.0
o-Xylene	Ave	0.7048	0.6758	0.3000	24.0	25.0	-4.1	20.0
Styrene	Ave	1.136	1.168	0.3000	25.7	25.0	2.8	20.0
Bromoform	Ave	0.2496	0.2683	0.1000	26.9	25.0	7.5	50.0
Isopropylbenzene	Ave	3.585	3.453	0.1000	24.1	25.0	-3.7	20.0
Bromobenzene	Ave	0.9306	0.9163		24.6	25.0	-1.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9491	0.9512	0.3000	25.1	25.0	0.2	20.0
1,2,3-Trichloropropane	Ave	0.3181	0.3104		24.4	25.0	-2.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3527	0.3649		25.9	25.0	3.5	50.0
N-Propylbenzene	Ave	4.082	4.031		24.7	25.0	-1.3	20.0
2-Chlorotoluene	Ave	0.8487	0.8419		24.8	25.0	-0.8	20.0
1,3,5-Trimethylbenzene	Ave	2.889	2.868		24.8	25.0	-0.7	20.0
4-Chlorotoluene	Ave	2.723	2.767		25.4	25.0	1.6	20.0
tert-Butylbenzene	Ave	0.6952	0.6922		24.9	25.0	-0.4	20.0
1,2,4-Trimethylbenzene	Ave	3.017	3.003		24.9	25.0	-0.5	20.0
sec-Butylbenzene	Ave	3.780	3.682		24.3	25.0	-2.6	20.0
1,3-Dichlorobenzene	Ave	1.736	1.749	0.6000	25.2	25.0	0.8	20.0
4-Isopropyltoluene	Ave	3.260	3.237		24.8	25.0	-0.7	20.0
1,4-Dichlorobenzene	Ave	1.748	1.764	0.5000	25.2	25.0	0.9	20.0
n-Butylbenzene	Ave	2.898	2.820		24.3	25.0	-2.7	20.0
1,2-Dichlorobenzene	Ave	1.681	1.654	0.4000	24.6	25.0	-1.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-424528/3 Calibration Date: 07/16/2018 08:25
 Instrument ID: HP5973N Calib Start Date: 06/15/2018 13:52
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/15/2018 17:01
 Lab File ID: N1501.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	0.1805	0.1670	0.0500	23.1	25.0	-7.5	50.0
1,2,4-Trichlorobenzene	Ave	1.123	1.121	0.2000	25.0	25.0	-0.2	20.0
Hexachlorobutadiene	Ave	0.5235	0.5467		26.1	25.0	4.4	20.0
Naphthalene	Ave	3.274	3.068		23.4	25.0	-6.3	20.0
1,2,3-Trichlorobenzene	Ave	1.032	1.000		24.2	25.0	-3.2	20.0
Dibromofluoromethane (Surr)	Ave	1.429	1.405		24.6	25.0	-1.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.780	1.931		27.1	25.0	8.5	20.0
Toluene-d8 (Surr)	Ave	1.319	1.239		23.5	25.0	-6.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4117	0.4371		26.5	25.0	6.2	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N1501.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 16-Jul-2018 08:25:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0073094-003
 Operator ID: AM Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jul-2018 17:21:07 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK007

First Level Reviewer: moffata

Date: 16-Jul-2018 10:36:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	228252	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.339	0.000	87	918666	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	95	482000	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.768	4.768	0.000	68	320638	25.0	24.6	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	440810	25.0	27.1	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	1137774	25.0	23.5	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	93	401590	25.0	26.5	
11 Dichlorodifluoromethane	85	1.294	1.294	0.000	97	415126	25.0	30.3	
13 Chloromethane	50	1.476	1.476	0.000	100	626731	25.0	33.1	
14 Vinyl chloride	62	1.543	1.543	0.000	98	473939	25.0	29.8	
144 Butadiene	54	1.574	1.574	0.000	94	522793	25.0	32.2	
15 Bromomethane	94	1.841	1.841	0.000	92	253771	25.0	29.0	
16 Chloroethane	64	1.933	1.933	0.000	96	270608	25.0	33.8	
17 Dichlorofluoromethane	67	2.133	2.133	0.000	96	594253	25.0	30.1	
18 Trichlorofluoromethane	101	2.145	2.145	0.000	97	586540	25.0	32.4	
19 Ethyl ether	59	2.431	2.431	0.000	96	405377	25.0	28.2	
20 Acrolein	56	2.584	2.584	0.000	99	412717	125.0	162.3	
22 1,1-Dichloroethene	96	2.638	2.638	0.000	91	269763	25.0	22.7	
21 1,1,2-Trichloro-1,2,2-trif	101	2.644	2.644	0.000	45	323232	25.0	29.9	
23 Acetone	43	2.736	2.736	0.000	96	864459	125.0	188.9	M
24 Iodomethane	142	2.784	2.784	0.000	99	541038	25.0	24.8	
25 Carbon disulfide	76	2.833	2.833	0.000	98	856194	25.0	23.3	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	84	771546	25.0	29.8	
28 Methyl acetate	43	3.034	3.034	0.000	100	1054667	50.0	66.3	
30 Methylene Chloride	84	3.125	3.125	0.000	91	318432	25.0	21.9	
31 2-Methyl-2-propanol	59	3.289	3.289	0.000	94	303605	250.0	280.3	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	98	1044911	25.0	23.6	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	92	334272	25.0	23.8	
34 Acrylonitrile	53	3.380	3.380	0.000	97	2395899	250.0	325.0	
35 Hexane	57	3.581	3.581	0.000	95	730791	25.0	33.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.764	3.764	0.000	97	680690	25.0	25.8	
39 Vinyl acetate	43	3.818	3.818	0.000	97	2391065	50.0	81.7	
42 2,2-Dichloropropane	77	4.287	4.287	0.000	83	402056	25.0	22.5	
43 cis-1,2-Dichloroethene	96	4.305	4.305	0.000	89	363782	25.0	23.6	
44 2-Butanone (MEK)	43	4.336	4.336	0.000	96	1642357	125.0	195.7	
47 Chlorobromomethane	128	4.536	4.536	0.000	91	200791	25.0	25.4	
49 Tetrahydrofuran	42	4.567	4.567	0.000	91	412194	50.0	63.6	
50 Chloroform	83	4.615	4.615	0.000	95	602470	25.0	24.7	
51 1,1,1-Trichloroethane	97	4.743	4.743	0.000	96	509559	25.0	25.0	
52 Cyclohexane	56	4.768	4.768	0.000	96	724854	25.0	29.7	
53 Carbon tetrachloride	117	4.889	4.889	0.000	95	481243	25.0	27.8	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	85	439472	25.0	24.6	
55 Benzene	78	5.090	5.090	0.000	96	1301542	25.0	25.0	
56 Isobutyl alcohol	43	5.090	5.090	0.000	91	633484	625.0	698.8	
57 1,2-Dichloroethane	62	5.145	5.145	0.000	95	641132	25.0	27.4	
59 n-Heptane	43	5.303	5.303	0.000	96	847033	25.0	38.1	
60 Trichloroethene	95	5.704	5.704	0.000	93	367165	25.0	26.0	
62 Methylcyclohexane	83	5.838	5.838	0.000	95	611606	25.0	27.3	
63 1,2-Dichloropropane	63	5.923	5.923	0.000	84	375502	25.0	26.5	
64 Dibromomethane	93	6.057	6.057	0.000	91	236585	25.0	25.2	
66 1,4-Dioxane	88	6.063	6.063	0.000	33	72849	500.0	392.5	
67 Dichlorobromomethane	83	6.209	6.209	0.000	95	457118	25.0	26.2	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	88	291689	25.0	30.2	
71 cis-1,3-Dichloropropene	75	6.629	6.629	0.000	83	483958	25.0	24.1	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	99	1137643	125.0	155.0	
73 Toluene	92	6.933	6.933	0.000	97	878683	25.0	24.8	
75 trans-1,3-Dichloropropene	75	7.195	7.195	0.000	91	475126	25.0	25.0	
77 Ethyl methacrylate	69	7.256	7.256	0.000	90	443928	25.0	25.5	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	95	262488	25.0	26.1	
79 Tetrachloroethene	166	7.469	7.469	0.000	97	426946	25.0	27.5	
80 1,3-Dichloropropane	76	7.542	7.542	0.000	92	521350	25.0	24.1	
82 2-Hexanone	43	7.615	7.615	0.000	98	2441057	125.0	180.3	
83 Chlorodibromomethane	129	7.779	7.779	0.000	89	350829	25.0	24.7	
84 Ethylene Dibromide	107	7.882	7.882	0.000	98	343284	25.0	26.0	
85 Chlorobenzene	112	8.369	8.369	0.000	94	1020181	25.0	25.3	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	90	366885	25.0	25.1	
88 Ethylbenzene	91	8.472	8.472	0.000	98	1653481	25.0	25.3	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	631348	25.0	25.4	
91 o-Xylene	106	9.020	9.020	0.000	97	620829	25.0	24.0	
92 Styrene	104	9.044	9.044	0.000	95	1072566	25.0	25.7	
93 Bromoform	173	9.269	9.269	0.000	97	246501	25.0	26.9	
95 Isopropylbenzene	105	9.409	9.409	0.000	97	1664150	25.0	24.1	
97 Bromobenzene	156	9.744	9.744	0.000	88	441648	25.0	24.6	
98 1,1,2,2-Tetrachloroethane	83	9.780	9.780	0.000	97	458453	25.0	25.1	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	93	149629	25.0	24.4	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.835	0.000	77	175903	25.0	25.9	
100 N-Propylbenzene	91	9.841	9.841	0.000	99	1942775	25.0	24.7	
102 2-Chlorotoluene	126	9.932	9.932	0.000	95	405773	25.0	24.8	
104 1,3,5-Trimethylbenzene	105	10.018	10.018	0.000	94	1382404	25.0	24.8	
105 4-Chlorotoluene	91	10.048	10.048	0.000	97	1333669	25.0	25.4	
106 tert-Butylbenzene	134	10.340	10.340	0.000	95	333661	25.0	24.9	
108 1,2,4-Trimethylbenzene	105	10.395	10.395	0.000	98	1447287	25.0	24.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	95	1774504	25.0	24.3	
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	99	842953	25.0	25.2	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	97	1560059	25.0	24.8	
113 1,4-Dichlorobenzene	146	10.766	10.766	0.000	94	850383	25.0	25.2	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	1359426	25.0	24.3	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	97	797236	25.0	24.6	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.837	0.000	81	80471	25.0	23.1	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	94	540465	25.0	25.0	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	97	263489	25.0	26.1	
121 Naphthalene	128	12.737	12.737	0.000	97	1479000	25.0	23.4	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	96	481787	25.0	24.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 12.50

Units: uL

GAS CORP mix_00291

Amount Added: 12.50

Units: uL

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180716-73094.b\\N1501.D

Injection Date: 16-Jul-2018 08:25:30

Instrument ID: HP5973N

Operator ID: AM

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

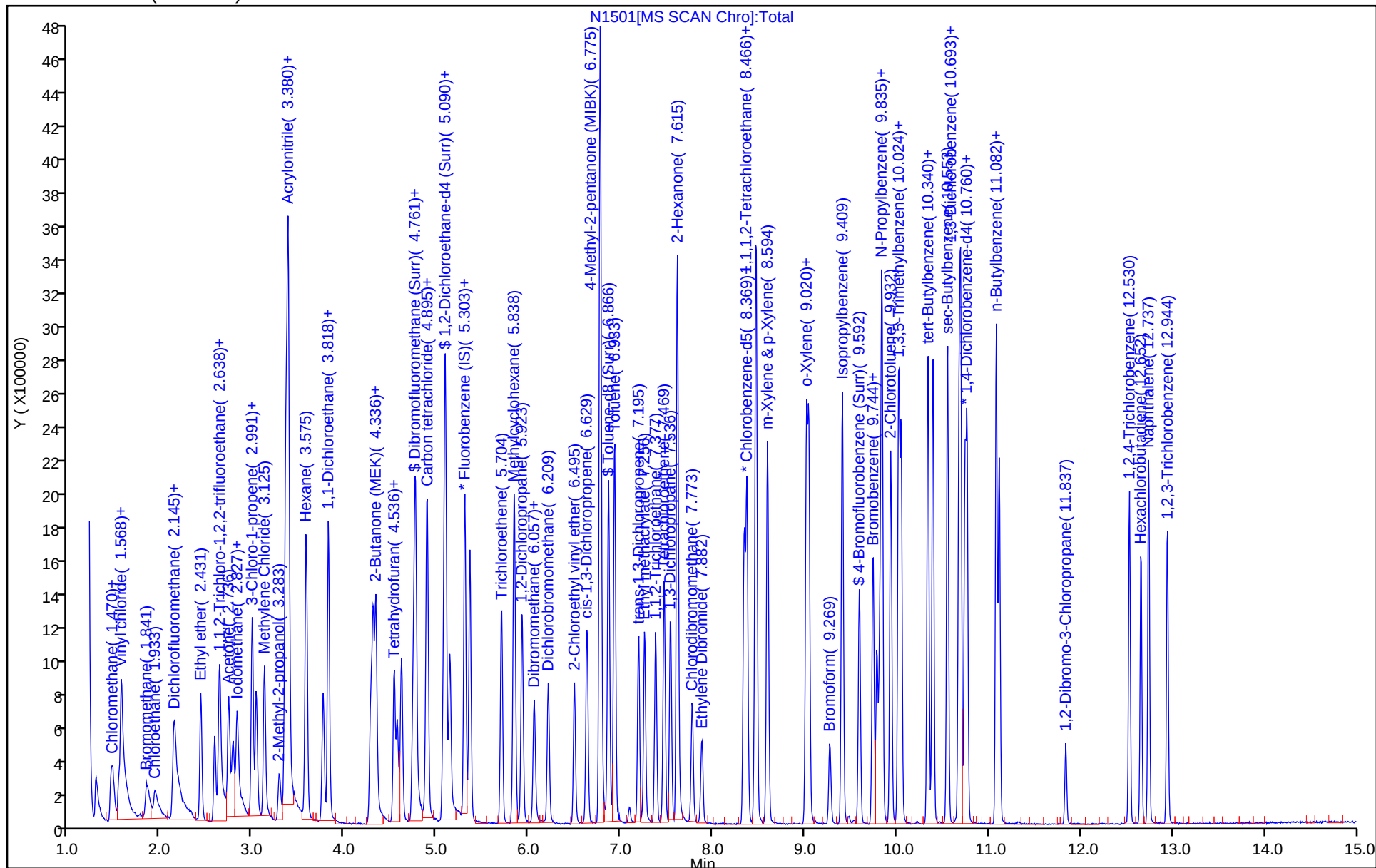
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N1501.D

Injection Date: 16-Jul-2018 08:25:30

Instrument ID: HP5973N

Lims ID: CCVIS

Client ID:

Operator ID: AM

ALS Bottle#:

3

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

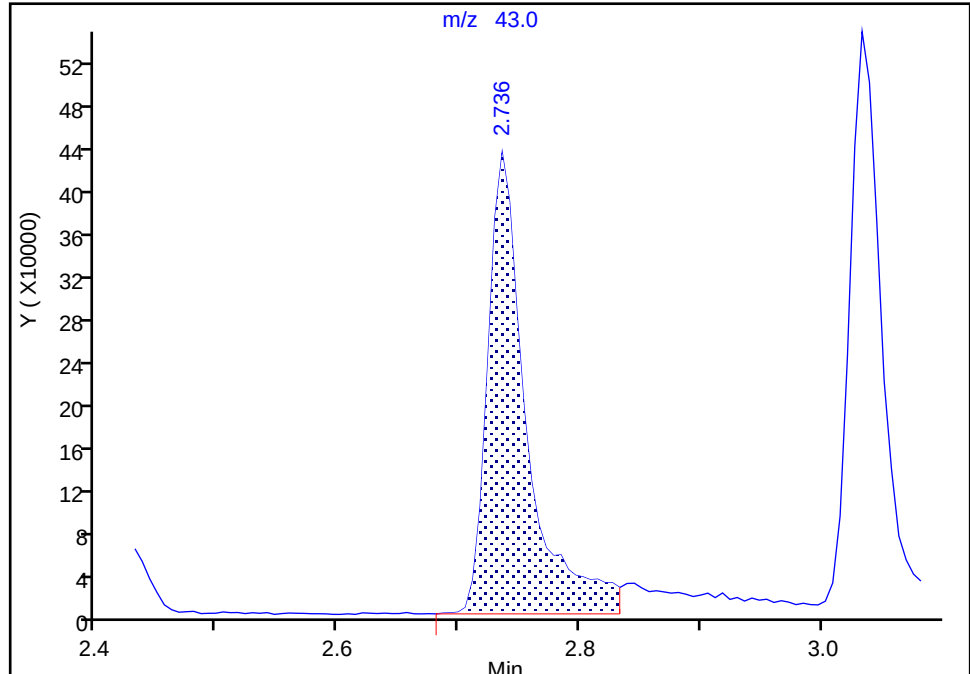
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

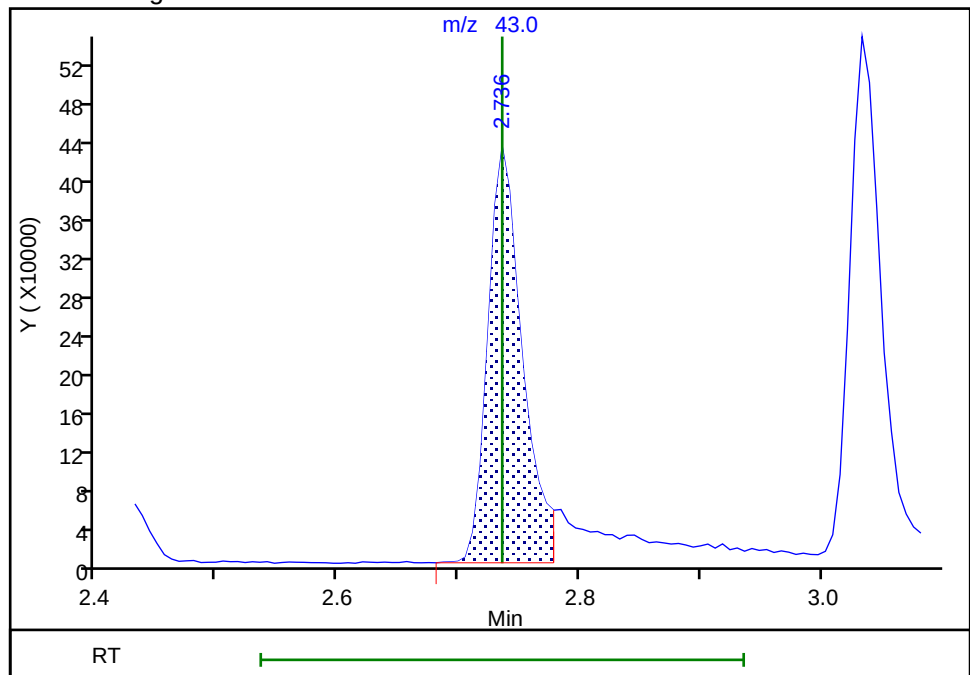
RT: 2.74
Area: 979902
Amount: 214.0744
Amount Units: ug/L

Processing Integration Results



RT: 2.74
Area: 864459
Amount: 188.8541
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 16-Jul-2018 08:58:25

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Lab Sample ID: CCVIS 480-424720/3 Calibration Date: 07/16/2018 20:39

Instrument ID: HP5973N Calib Start Date: 06/15/2018 13:52

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/15/2018 17:01

Lab File ID: N1528.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	1.501	1.915	0.1000	31.9	25.0	27.6	50.0
Chloromethane	Ave	2.075	2.760	0.1000	33.2	25.0	33.0*	20.0
Vinyl chloride	Ave	1.740	2.091	0.1000	30.0	25.0	20.1*	20.0
Butadiene	Ave	1.776	2.353		33.1	25.0	32.5*	20.0
Bromomethane	Ave	0.9578	1.150	0.1000	30.0	25.0	20.0	50.0
Chloroethane	Ave	0.8778	1.213	0.1000	34.5	25.0	38.2	50.0
Dichlorofluoromethane	Ave	2.163	2.625		30.3	25.0	21.4*	20.0
Trichlorofluoromethane	Ave	1.981	2.444	0.1000	30.8	25.0	23.4*	20.0
Ethyl ether	Ave	1.575	1.790		28.4	25.0	13.7	20.0
Acrolein	Ave	0.2785	0.3816		171	125	37.0	50.0
1,1-Dichloroethene	Ave	1.302	1.259	0.1000	24.2	25.0	-3.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.183	1.269	0.1000	26.8	25.0	7.3	20.0
Acetone	Ave	0.5014	0.8557	0.1000	213	125	70.7*	50.0
Iodomethane	Ave	2.394	2.644		27.6	25.0	10.5	20.0
Carbon disulfide	Ave	4.017	3.984	0.1000	24.8	25.0	-0.8	20.0
Allyl chloride	Ave	2.835	3.395		29.9	25.0	19.8	20.0
Methyl acetate	Ave	1.742	2.337	0.1000	67.1	50.0	34.1	50.0
Methylene Chloride	Lin1		1.557	0.1000	24.5	25.0	-1.9	20.0
2-Methyl-2-propanol	Ave	0.1186	0.1323		279	250	11.5	50.0
Methyl tert-butyl ether	Ave	4.841	4.725	0.1000	24.4	25.0	-2.4	20.0
trans-1,2-Dichloroethene	Ave	1.537	1.473	0.1000	24.0	25.0	-4.2	20.0
Acrylonitrile	Ave	0.8074	1.083		335	250	34.1*	20.0
Hexane	Ave	2.407	3.124		32.5	25.0	29.8*	20.0
1,1-Dichloroethane	Ave	2.889	3.141	0.2000	27.2	25.0	8.7	20.0
Vinyl acetate	Ave	3.207	5.003		78.0	50.0	56.0*	20.0
2,2-Dichloropropane	Ave	1.961	1.947		24.8	25.0	-0.7	20.0
cis-1,2-Dichloroethene	Ave	1.685	1.707	0.1000	25.3	25.0	1.3	20.0
2-Butanone (MEK)	Ave	0.9190	1.390	0.1000	189	125	51.3*	20.0
Chlorobromomethane	Ave	0.8657	0.9015		26.0	25.0	4.1	20.0
Tetrahydrofuran	Ave	0.7097	0.8626		60.8	50.0	21.5*	20.0
Chloroform	Ave	2.676	2.673	0.2000	25.0	25.0	-0.1	20.0
1,1,1-Trichloroethane	Ave	2.231	2.353	0.1000	26.4	25.0	5.5	20.0
Cyclohexane	Ave	2.675	3.238	0.1000	30.3	25.0	21.0*	20.0
Carbon tetrachloride	Ave	1.896	2.151	0.1000	28.4	25.0	13.4	20.0
1,1-Dichloropropene	Ave	1.954	2.000		25.6	25.0	2.4	20.0
Isobutyl alcohol	Ave	0.0993	0.1035		651	625	4.2	50.0
Benzene	Ave	5.704	5.757	0.5000	25.2	25.0	0.9	20.0
1,2-Dichloroethane	Ave	2.561	2.842	0.1000	27.8	25.0	11.0	20.0
n-Heptane	Ave	2.437	3.613		37.1	25.0	48.2*	20.0
Trichloroethene	Ave	1.549	1.554	0.2000	25.1	25.0	0.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Lab Sample ID: CCVIS 480-424720/3 Calibration Date: 07/16/2018 20:39

Instrument ID: HP5973N Calib Start Date: 06/15/2018 13:52

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/15/2018 17:01

Lab File ID: N1528.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	2.455	2.757	0.1000	28.1	25.0	12.3	20.0
1,2-Dichloropropane	Ave	1.550	1.636	0.1000	26.4	25.0	5.6	20.0
Dibromomethane	Ave	1.029	1.069	0.1000	26.0	25.0	3.9	20.0
1,4-Dioxane	Ave	0.0051	0.0035		350	500	-29.9	50.0
Bromodichloromethane	Ave	1.911	1.961	0.2000	25.7	25.0	2.7	20.0
2-Chloroethyl vinyl ether	Ave	1.057	1.102		26.1	25.0	4.3	20.0
cis-1,3-Dichloropropene	Ave	2.198	2.160	0.2000	24.6	25.0	-1.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1998	0.2409	0.1000	151	125	20.6*	20.0
Toluene	Ave	0.9635	0.9442	0.4000	24.5	25.0	-2.0	20.0
trans-1,3-Dichloropropene	Ave	0.5162	0.4945	0.1000	23.9	25.0	-4.2	20.0
Ethyl methacrylate	Ave	0.4744	0.4474		23.6	25.0	-5.7	20.0
1,1,2-Trichloroethane	Ave	0.2733	0.2819	0.1000	25.8	25.0	3.1	20.0
Tetrachloroethene	Ave	0.4224	0.4612	0.2000	27.3	25.0	9.2	20.0
1,3-Dichloropropane	Ave	0.5881	0.5567		23.7	25.0	-5.4	20.0
2-Hexanone	Ave	0.3685	0.4997	0.1000	170	125	35.6*	20.0
Dibromochloromethane	Ave	0.3866	0.3772	0.1000	24.4	25.0	-2.4	20.0
1,2-Dibromoethane	Ave	0.3596	0.3734		26.0	25.0	3.8	20.0
Chlorobenzene	Ave	1.096	1.095	0.5000	25.0	25.0	-0.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3977	0.4052		25.5	25.0	1.9	20.0
Ethylbenzene	Ave	1.780	1.786	0.1000	25.1	25.0	0.3	20.0
m,p-Xylene	Ave	0.6775	0.6751	0.1000	24.9	25.0	-0.4	20.0
o-Xylene	Ave	0.7048	0.6720	0.3000	23.8	25.0	-4.7	20.0
Styrene	Ave	1.136	1.196	0.3000	26.3	25.0	5.3	20.0
Bromoform	Ave	0.2496	0.2546	0.1000	25.5	25.0	2.0	50.0
Isopropylbenzene	Ave	3.585	3.355	0.1000	23.4	25.0	-6.4	20.0
Bromobenzene	Ave	0.9306	0.9005		24.2	25.0	-3.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9491	0.8761	0.3000	23.1	25.0	-7.7	20.0
1,2,3-Trichloropropane	Ave	0.3181	0.3121		24.5	25.0	-1.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3527	0.3207		22.7	25.0	-9.1	50.0
N-Propylbenzene	Ave	4.082	3.902		23.9	25.0	-4.4	20.0
2-Chlorotoluene	Ave	0.8487	0.8429		24.8	25.0	-0.7	20.0
1,3,5-Trimethylbenzene	Ave	2.889	2.817		24.4	25.0	-2.5	20.0
4-Chlorotoluene	Ave	2.723	2.696		24.8	25.0	-1.0	20.0
tert-Butylbenzene	Ave	0.6952	0.6696		24.1	25.0	-3.7	20.0
1,2,4-Trimethylbenzene	Ave	3.017	2.925		24.2	25.0	-3.0	20.0
sec-Butylbenzene	Ave	3.780	3.619		23.9	25.0	-4.3	20.0
1,3-Dichlorobenzene	Ave	1.736	1.711	0.6000	24.6	25.0	-1.4	20.0
4-Isopropyltoluene	Ave	3.260	3.189		24.5	25.0	-2.2	20.0
1,4-Dichlorobenzene	Ave	1.748	1.742	0.5000	24.9	25.0	-0.3	20.0
n-Butylbenzene	Ave	2.898	2.794		24.1	25.0	-3.6	20.0
1,2-Dichlorobenzene	Ave	1.681	1.643	0.4000	24.4	25.0	-2.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-424720/3 Calibration Date: 07/16/2018 20:39
 Instrument ID: HP5973N Calib Start Date: 06/15/2018 13:52
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/15/2018 17:01
 Lab File ID: N1528.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	0.1805	0.1575	0.0500	21.8	25.0	-12.7	50.0
1,2,4-Trichlorobenzene	Ave	1.123	1.125	0.2000	25.0	25.0	0.1	20.0
Hexachlorobutadiene	Ave	0.5235	0.5469		26.1	25.0	4.5	20.0
Naphthalene	Ave	3.274	3.036		23.2	25.0	-7.3	20.0
1,2,3-Trichlorobenzene	Ave	1.032	1.012		24.5	25.0	-2.0	20.0
Dibromofluoromethane (Surr)	Ave	1.429	1.429		25.0	25.0	0.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.780	1.941		27.3	25.0	9.0	20.0
Toluene-d8 (Surr)	Ave	1.319	1.248		23.6	25.0	-5.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4117	0.4362		26.5	25.0	6.0	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N1528.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 16-Jul-2018 20:39:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0073127-003
 Operator ID: AEM Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jul-2018 12:09:20 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: moffata

Date: 17-Jul-2018 10:00:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	219933	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.345	8.345	0.000	87	874632	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	94	472989	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.768	4.768	0.000	69	314330	25.0	25.0	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	426816	25.0	27.3	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	1091157	25.0	23.6	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.598	0.000	94	381517	25.0	26.5	
11 Dichlorodifluoromethane	85	1.300	1.300	0.000	98	421094	25.0	31.9	
13 Chloromethane	50	1.470	1.470	0.000	99	606938	25.0	33.2	
14 Vinyl chloride	62	1.549	1.549	0.000	98	459778	25.0	30.0	
144 Butadiene	54	1.574	1.574	0.000	96	517459	25.0	33.1	
15 Bromomethane	94	1.860	1.860	0.000	91	252865	25.0	30.0	
16 Chloroethane	64	1.939	1.939	0.000	96	266748	25.0	34.5	
17 Dichlorofluoromethane	67	2.146	2.146	0.000	91	577312	25.0	30.3	
18 Trichlorofluoromethane	101	2.152	2.152	0.000	91	537472	25.0	30.8	
19 Ethyl ether	59	2.431	2.431	0.000	96	393748	25.0	28.4	
20 Acrolein	56	2.584	2.584	0.000	99	419619	125.0	171.3	
22 1,1-Dichloroethene	96	2.638	2.638	0.000	91	276875	25.0	24.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.650	2.650	0.000	42	279196	25.0	26.8	
23 Acetone	43	2.736	2.736	0.000	97	941001	125.0	213.4	
24 Iodomethane	142	2.784	2.784	0.000	99	581547	25.0	27.6	
25 Carbon disulfide	76	2.833	2.833	0.000	98	876311	25.0	24.8	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	83	746697	25.0	29.9	
28 Methyl acetate	43	3.034	3.034	0.000	100	1027748	50.0	67.1	
30 Methylene Chloride	84	3.125	3.125	0.000	91	342516	25.0	24.5	
31 2-Methyl-2-propanol	59	3.283	3.283	0.000	94	291048	250.0	278.8	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	96	1039086	25.0	24.4	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	90	323885	25.0	24.0	
34 Acrylonitrile	53	3.381	3.381	0.000	97	2380825	250.0	335.2	
35 Hexane	57	3.581	3.581	0.000	96	687173	25.0	32.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.764	3.764	0.000	97	690823	25.0	27.2	
39 Vinyl acetate	43	3.819	3.819	0.000	97	2200844	50.0	78.0	
42 2,2-Dichloropropane	77	4.281	4.281	0.000	84	428240	25.0	24.8	
43 cis-1,2-Dichloroethene	96	4.305	4.305	0.000	85	375474	25.0	25.3	
44 2-Butanone (MEK)	43	4.336	4.336	0.000	97	1528670	125.0	189.1	
47 Chlorobromomethane	128	4.536	4.536	0.000	88	198274	25.0	26.0	
49 Tetrahydrofuran	42	4.567	4.567	0.000	93	379405	50.0	60.8	
50 Chloroform	83	4.615	4.615	0.000	95	587808	25.0	25.0	
51 1,1,1-Trichloroethane	97	4.743	4.743	0.000	96	517397	25.0	26.4	
52 Cyclohexane	56	4.768	4.768	0.000	95	712152	25.0	30.3	
53 Carbon tetrachloride	117	4.889	4.889	0.000	94	472992	25.0	28.4	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	87	439944	25.0	25.6	
56 Isobutyl alcohol	43	5.084	5.084	0.000	59	569016	625.0	651.5	
55 Benzene	78	5.096	5.096	0.000	95	1266135	25.0	25.2	
57 1,2-Dichloroethane	62	5.145	5.145	0.000	96	625157	25.0	27.8	
59 n-Heptane	43	5.303	5.303	0.000	97	794563	25.0	37.1	
60 Trichloroethene	95	5.704	5.704	0.000	92	341841	25.0	25.1	
62 Methylcyclohexane	83	5.838	5.838	0.000	96	606247	25.0	28.1	
63 1,2-Dichloropropane	63	5.923	5.923	0.000	86	359791	25.0	26.4	
64 Dibromomethane	93	6.057	6.057	0.000	92	235035	25.0	26.0	
66 1,4-Dioxane	88	6.069	6.069	0.000	28	61926	500.0	350.4	M
67 Dichlorobromomethane	83	6.209	6.209	0.000	95	431359	25.0	25.7	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	89	242446	25.0	26.1	
71 cis-1,3-Dichloropropene	75	6.635	6.635	0.000	84	474970	25.0	24.6	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	99	1053547	125.0	150.7	
73 Toluene	92	6.933	6.933	0.000	97	825839	25.0	24.5	
75 trans-1,3-Dichloropropene	75	7.195	7.195	0.000	92	432480	25.0	23.9	
77 Ethyl methacrylate	69	7.256	7.256	0.000	88	391291	25.0	23.6	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	95	246550	25.0	25.8	
79 Tetrachloroethene	166	7.469	7.469	0.000	97	403403	25.0	27.3	
80 1,3-Dichloropropane	76	7.542	7.542	0.000	91	486874	25.0	23.7	
82 2-Hexanone	43	7.615	7.615	0.000	99	2185382	125.0	169.5	
83 Chlorodibromomethane	129	7.779	7.779	0.000	90	329917	25.0	24.4	
84 Ethylene Dibromide	107	7.882	7.882	0.000	98	326580	25.0	26.0	
85 Chlorobenzene	112	8.369	8.369	0.000	94	957425	25.0	25.0	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	90	354424	25.0	25.5	
88 Ethylbenzene	91	8.472	8.472	0.000	98	1561955	25.0	25.1	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	590461	25.0	24.9	
91 o-Xylene	106	9.020	9.020	0.000	98	587718	25.0	23.8	
92 Styrene	104	9.044	9.044	0.000	95	1046084	25.0	26.3	
93 Bromoform	173	9.275	9.275	0.000	95	222665	25.0	25.5	
95 Isopropylbenzene	105	9.409	9.409	0.000	97	1587067	25.0	23.4	
97 Bromobenzene	156	9.744	9.744	0.000	87	425916	25.0	24.2	
98 1,1,2,2-Tetrachloroethane	83	9.787	9.787	0.000	97	414403	25.0	23.1	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	92	147639	25.0	24.5	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.835	0.000	71	151695	25.0	22.7	
100 N-Propylbenzene	91	9.841	9.841	0.000	99	1845433	25.0	23.9	
102 2-Chlorotoluene	126	9.933	9.933	0.000	96	398661	25.0	24.8	
104 1,3,5-Trimethylbenzene	105	10.018	10.018	0.000	96	1332401	25.0	24.4	
105 4-Chlorotoluene	91	10.048	10.048	0.000	97	1275206	25.0	24.8	
106 tert-Butylbenzene	134	10.340	10.340	0.000	95	316723	25.0	24.1	
108 1,2,4-Trimethylbenzene	105	10.395	10.395	0.000	98	1383615	25.0	24.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	95	1711586	25.0	23.9	
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	98	809328	25.0	24.6	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	97	1508358	25.0	24.5	
113 1,4-Dichlorobenzene	146	10.766	10.766	0.000	96	824140	25.0	24.9	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	1321730	25.0	24.1	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	97	777303	25.0	24.4	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.837	0.000	78	74503	25.0	21.8	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	94	531909	25.0	25.0	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	97	258697	25.0	26.1	
121 Naphthalene	128	12.737	12.737	0.000	97	1435890	25.0	23.2	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	96	478497	25.0	24.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128	Amount Added: 12.50	Units: uL	
GAS CORP mix_00291	Amount Added: 12.50	Units: uL	
N_8260_Surr_00336	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00120	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180716-73127.b\\N1528.D

Injection Date: 16-Jul-2018 20:39:30

Instrument ID: HP5973N

Operator ID: AEM

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

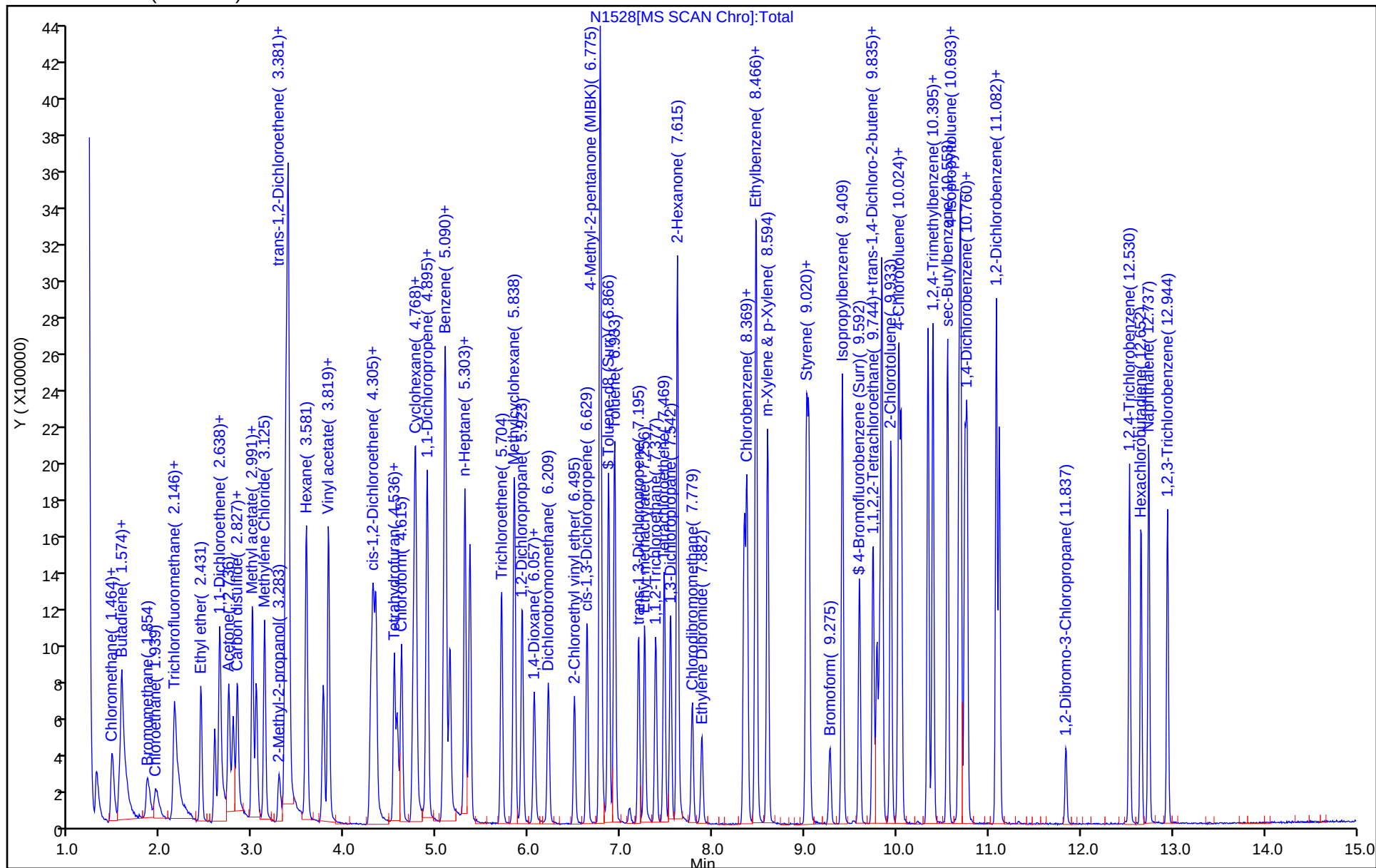
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N1528.D

Injection Date: 16-Jul-2018 20:39:30

Instrument ID: HP5973N

Lims ID: CCVIS

Client ID:

Operator ID: AEM

ALS Bottle#:

3

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

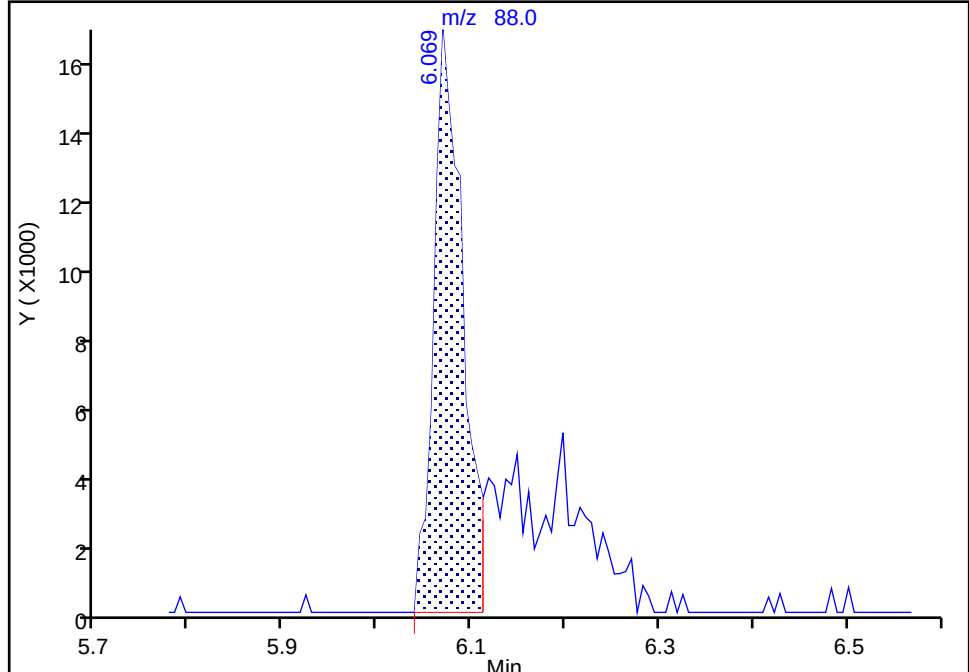
Detector: MS SCAN

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

Signal: 1

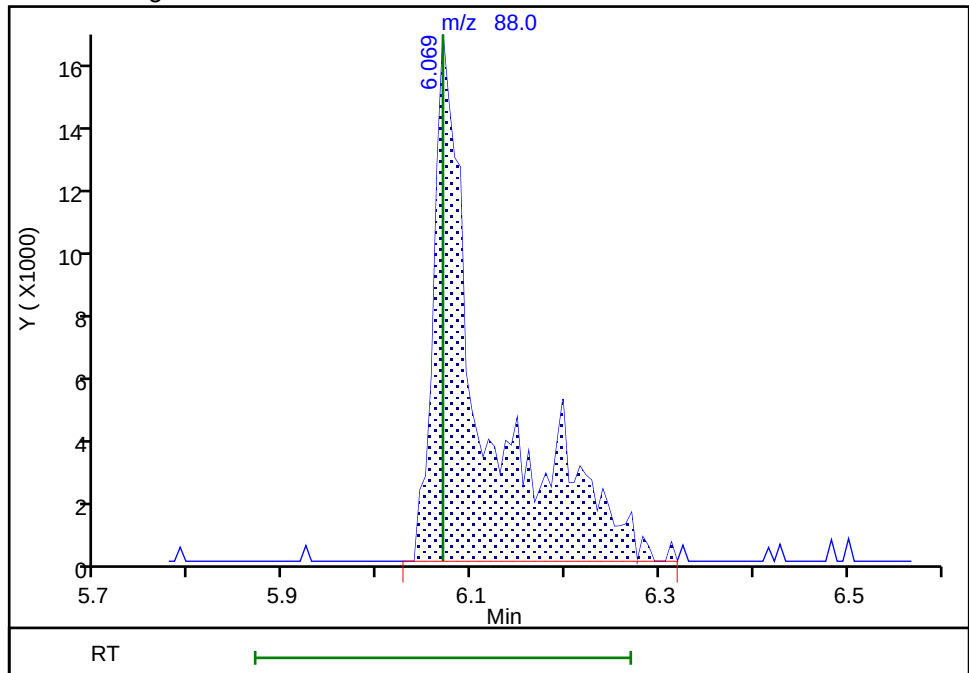
RT: 6.07
Area: 35784
Amount: 202.5075
Amount Units: ug/L

Processing Integration Results



RT: 6.07
Area: 61926
Amount: 350.4494
Amount Units: ug/L

Manual Integration Results



Reviewer: milligana, 16-Jul-2018 21:08:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Lab Sample ID: CCVIS 480-424746/3 Calibration Date: 07/17/2018 08:59

Instrument ID: HP5973N Calib Start Date: 06/15/2018 13:52

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/15/2018 17:01

Lab File ID: N1555.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	1.501	1.641	0.1000	27.3	25.0	9.4	50.0
Chloromethane	Ave	2.075	2.553	0.1000	30.7	25.0	23.0*	20.0
Vinyl chloride	Ave	1.740	1.903	0.1000	27.3	25.0	9.4	20.0
Butadiene	Ave	1.776	2.185		30.8	25.0	23.1*	20.0
Bromomethane	Ave	0.9578	1.027	0.1000	26.8	25.0	7.2	50.0
Chloroethane	Ave	0.8778	1.144	0.1000	32.6	25.0	30.3	50.0
Dichlorofluoromethane	Ave	2.163	2.403		27.8	25.0	11.1	20.0
Trichlorofluoromethane	Ave	1.981	2.330	0.1000	29.4	25.0	17.6	20.0
Ethyl ether	Ave	1.575	1.739		27.6	25.0	10.4	20.0
Acrolein	Ave	0.2785	0.3348		150	125	20.2	50.0
1,1-Dichloroethene	Ave	1.302	1.088	0.1000	20.9	25.0	-16.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.183	1.108	0.1000	23.4	25.0	-6.3	20.0
Acetone	Ave	0.5014	0.8801	0.1000	219	125	75.5*	50.0
Iodomethane	Ave	2.394	2.374		24.8	25.0	-0.8	20.0
Carbon disulfide	Ave	4.017	3.606	0.1000	22.4	25.0	-10.2	20.0
Allyl chloride	Ave	2.835	3.159		27.9	25.0	11.4	20.0
Methyl acetate	Ave	1.742	2.214	0.1000	63.6	50.0	27.1	50.0
Methylene Chloride	Lin1		1.416	0.1000	22.2	25.0	-11.1	20.0
2-Methyl-2-propanol	Ave	0.1186	0.1486		313	250	25.2	50.0
Methyl tert-butyl ether	Ave	4.841	4.336	0.1000	22.4	25.0	-10.4	20.0
trans-1,2-Dichloroethene	Ave	1.537	1.398	0.1000	22.7	25.0	-9.0	20.0
Acrylonitrile	Ave	0.8074	1.011		313	250	25.2*	20.0
Hexane	Ave	2.407	2.860		29.7	25.0	18.8	20.0
1,1-Dichloroethane	Ave	2.889	2.920	0.2000	25.3	25.0	1.1	20.0
Vinyl acetate	Ave	3.207	4.787		74.6	50.0	49.3*	20.0
2,2-Dichloropropane	Ave	1.961	1.788		22.8	25.0	-8.8	20.0
cis-1,2-Dichloroethene	Ave	1.685	1.605	0.1000	23.8	25.0	-4.8	20.0
2-Butanone (MEK)	Ave	0.9190	1.410	0.1000	192	125	53.4*	20.0
Chlorobromomethane	Ave	0.8657	0.8394		24.2	25.0	-3.0	20.0
Tetrahydrofuran	Ave	0.7097	0.8371		59.0	50.0	17.9	20.0
Chloroform	Ave	2.676	2.542	0.2000	23.7	25.0	-5.0	20.0
1,1,1-Trichloroethane	Ave	2.231	2.117	0.1000	23.7	25.0	-5.1	20.0
Cyclohexane	Ave	2.675	2.926	0.1000	27.3	25.0	9.4	20.0
Carbon tetrachloride	Ave	1.896	1.870	0.1000	24.7	25.0	-1.4	20.0
1,1-Dichloropropene	Ave	1.954	1.828		23.4	25.0	-6.4	20.0
Isobutyl alcohol	Ave	0.0993	0.1024		644	625	3.1	50.0
Benzene	Ave	5.704	5.446	0.5000	23.9	25.0	-4.5	20.0
1,2-Dichloroethane	Ave	2.561	2.666	0.1000	26.0	25.0	4.1	20.0
n-Heptane	Ave	2.437	3.308		33.9	25.0	35.7*	20.0
Trichloroethene	Ave	1.549	1.426	0.2000	23.0	25.0	-8.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Lab Sample ID: CCVIS 480-424746/3 Calibration Date: 07/17/2018 08:59

Instrument ID: HP5973N Calib Start Date: 06/15/2018 13:52

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/15/2018 17:01

Lab File ID: N1555.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	2.455	2.506	0.1000	25.5	25.0	2.1	20.0
1,2-Dichloropropane	Ave	1.550	1.615	0.1000	26.1	25.0	4.2	20.0
Dibromomethane	Ave	1.029	0.9887	0.1000	24.0	25.0	-3.9	20.0
1,4-Dioxane	Ave	0.0051	0.0040		400	500	-20.0	50.0
Bromodichloromethane	Ave	1.911	1.836	0.2000	24.0	25.0	-3.9	20.0
2-Chloroethyl vinyl ether	Ave	1.057	1.092		25.8	25.0	3.3	20.0
cis-1,3-Dichloropropene	Ave	2.198	2.002	0.2000	22.8	25.0	-8.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1998	0.2398	0.1000	150	125	20.0	20.0
Toluene	Ave	0.9635	0.9221	0.4000	23.9	25.0	-4.3	20.0
trans-1,3-Dichloropropene	Ave	0.5162	0.4754	0.1000	23.0	25.0	-7.9	20.0
Ethyl methacrylate	Ave	0.4744	0.4427		23.3	25.0	-6.7	20.0
1,1,2-Trichloroethane	Ave	0.2733	0.2698	0.1000	24.7	25.0	-1.3	20.0
Tetrachloroethene	Ave	0.4224	0.4426	0.2000	26.2	25.0	4.8	20.0
1,3-Dichloropropane	Ave	0.5881	0.5625		23.9	25.0	-4.4	20.0
2-Hexanone	Ave	0.3685	0.5072	0.1000	172	125	37.6*	20.0
Dibromochloromethane	Ave	0.3866	0.3569	0.1000	23.1	25.0	-7.7	20.0
1,2-Dibromoethane	Ave	0.3596	0.3563		24.8	25.0	-0.9	20.0
Chlorobenzene	Ave	1.096	1.077	0.5000	24.6	25.0	-1.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3977	0.3836		24.1	25.0	-3.6	20.0
Ethylbenzene	Ave	1.780	1.703	0.1000	23.9	25.0	-4.3	20.0
m,p-Xylene	Ave	0.6775	0.6678	0.1000	24.6	25.0	-1.4	20.0
o-Xylene	Ave	0.7048	0.6577	0.3000	23.3	25.0	-6.7	20.0
Styrene	Ave	1.136	1.116	0.3000	24.6	25.0	-1.8	20.0
Bromoform	Ave	0.2496	0.2363	0.1000	23.7	25.0	-5.3	50.0
Isopropylbenzene	Ave	3.585	3.307	0.1000	23.1	25.0	-7.8	20.0
Bromobenzene	Ave	0.9306	0.8661		23.3	25.0	-6.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9491	0.8754	0.3000	23.1	25.0	-7.8	20.0
1,2,3-Trichloropropane	Ave	0.3181	0.3019		23.7	25.0	-5.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3527	0.2526		17.9	25.0	-28.4	50.0
N-Propylbenzene	Ave	4.082	3.779		23.1	25.0	-7.4	20.0
2-Chlorotoluene	Ave	0.8487	0.8221		24.2	25.0	-3.1	20.0
1,3,5-Trimethylbenzene	Ave	2.889	2.713		23.5	25.0	-6.1	20.0
4-Chlorotoluene	Ave	2.723	2.603		23.9	25.0	-4.4	20.0
tert-Butylbenzene	Ave	0.6952	0.6384		23.0	25.0	-8.2	20.0
1,2,4-Trimethylbenzene	Ave	3.017	2.793		23.1	25.0	-7.4	20.0
sec-Butylbenzene	Ave	3.780	3.488		23.1	25.0	-7.7	20.0
1,3-Dichlorobenzene	Ave	1.736	1.663	0.6000	24.0	25.0	-4.2	20.0
4-Isopropyltoluene	Ave	3.260	3.020		23.2	25.0	-7.4	20.0
1,4-Dichlorobenzene	Ave	1.748	1.675	0.5000	24.0	25.0	-4.2	20.0
n-Butylbenzene	Ave	2.898	2.724		23.5	25.0	-6.0	20.0
1,2-Dichlorobenzene	Ave	1.681	1.620	0.4000	24.1	25.0	-3.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-424746/3 Calibration Date: 07/17/2018 08:59
 Instrument ID: HP5973N Calib Start Date: 06/15/2018 13:52
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/15/2018 17:01
 Lab File ID: N1555.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	0.1805	0.1398	0.0500	19.4	25.0	-22.5	50.0
1,2,4-Trichlorobenzene	Ave	1.123	1.095	0.2000	24.4	25.0	-2.5	20.0
Hexachlorobutadiene	Ave	0.5235	0.5282		25.2	25.0	0.9	20.0
Naphthalene	Ave	3.274	2.867		21.9	25.0	-12.4	20.0
1,2,3-Trichlorobenzene	Ave	1.032	0.9329		22.6	25.0	-9.6	20.0
Dibromofluoromethane (Surr)	Ave	1.429	1.385		24.2	25.0	-3.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.780	1.957		27.5	25.0	10.0	20.0
Toluene-d8 (Surr)	Ave	1.319	1.276		24.2	25.0	-3.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4117	0.4420		26.8	25.0	7.4	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1555.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 17-Jul-2018 08:59:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0073134-003
 Operator ID: AM Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jul-2018 09:20:52 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: moffata

Date: 17-Jul-2018 09:20:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	225903	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.345	8.345	0.000	87	878944	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	95	469589	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	0.000	88	312926	25.0	24.2	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	442198	25.0	27.5	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	1121571	25.0	24.2	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.598	0.000	94	388456	25.0	26.8	
11 Dichlorodifluoromethane	85	1.300	1.300	0.000	98	370752	25.0	27.3	
13 Chloromethane	50	1.470	1.470	0.000	99	576652	25.0	30.7	
14 Vinyl chloride	62	1.549	1.549	0.000	97	429858	25.0	27.3	
144 Butadiene	54	1.574	1.574	0.000	93	493649	25.0	30.8	M
15 Bromomethane	94	1.847	1.847	0.000	92	232002	25.0	26.8	
16 Chloroethane	64	1.939	1.939	0.000	95	258455	25.0	32.6	
17 Dichlorofluoromethane	67	2.145	2.145	0.000	92	542747	25.0	27.8	
18 Trichlorofluoromethane	101	2.152	2.152	0.000	86	526278	25.0	29.4	
19 Ethyl ether	59	2.431	2.431	0.000	98	392884	25.0	27.6	
20 Acrolein	56	2.583	2.583	0.000	99	378115	125.0	150.3	
22 1,1-Dichloroethene	96	2.638	2.638	0.000	91	245707	25.0	20.9	
21 1,1,2-Trichloro-1,2,2-trif	101	2.644	2.644	0.000	42	250363	25.0	23.4	M
23 Acetone	43	2.736	2.736	0.000	97	994044	125.0	219.4	
24 Iodomethane	142	2.784	2.784	0.000	100	536388	25.0	24.8	
25 Carbon disulfide	76	2.833	2.833	0.000	98	814674	25.0	22.4	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	85	713621	25.0	27.9	
28 Methyl acetate	43	3.034	3.034	0.000	100	1000242	50.0	63.6	
30 Methylene Chloride	84	3.125	3.125	0.000	92	319853	25.0	22.2	
31 2-Methyl-2-propanol	59	3.283	3.283	0.000	94	335642	250.0	313.1	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	95	979454	25.0	22.4	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	94	315755	25.0	22.7	
34 Acrylonitrile	53	3.387	3.387	0.000	98	2283222	250.0	312.9	
35 Hexane	57	3.581	3.581	0.000	96	646039	25.0	29.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.764	3.764	0.000	97	659670	25.0	25.3	
39 Vinyl acetate	43	3.818	3.818	0.000	97	2162714	50.0	74.6	
42 2,2-Dichloropropane	77	4.281	4.281	0.000	83	403992	25.0	22.8	
43 cis-1,2-Dichloroethene	96	4.311	4.311	0.000	86	362469	25.0	23.8	
44 2-Butanone (MEK)	43	4.336	4.336	0.000	96	1592134	125.0	191.7	
47 Chlorobromomethane	128	4.536	4.536	0.000	91	189631	25.0	24.2	
49 Tetrahydrofuran	42	4.567	4.567	0.000	91	378208	50.0	59.0	
50 Chloroform	83	4.615	4.615	0.000	96	574195	25.0	23.7	
51 1,1,1-Trichloroethane	97	4.743	4.743	0.000	97	478178	25.0	23.7	
52 Cyclohexane	56	4.767	4.767	0.000	96	661067	25.0	27.3	
53 Carbon tetrachloride	117	4.889	4.889	0.000	95	422466	25.0	24.7	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	84	412958	25.0	23.4	
56 Isobutyl alcohol	43	5.084	5.084	0.000	89	578221	625.0	644.5	
55 Benzene	78	5.096	5.096	0.000	97	1230328	25.0	23.9	
57 1,2-Dichloroethane	62	5.145	5.145	0.000	95	602227	25.0	26.0	
59 n-Heptane	43	5.303	5.303	0.000	96	747235	25.0	33.9	
60 Trichloroethene	95	5.704	5.704	0.000	91	322184	25.0	23.0	
62 Methylcyclohexane	83	5.844	5.844	0.000	97	566138	25.0	25.5	
63 1,2-Dichloropropane	63	5.923	5.923	0.000	87	364911	25.0	26.1	
64 Dibromomethane	93	6.057	6.057	0.000	95	223343	25.0	24.0	
66 1,4-Dioxane	88	6.069	6.069	0.000	90	71004	500.0	399.9	
67 Dichlorobromomethane	83	6.209	6.209	0.000	95	414830	25.0	24.0	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	88	246586	25.0	25.8	
71 cis-1,3-Dichloropropene	75	6.629	6.629	0.000	85	452283	25.0	22.8	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	99	1053871	125.0	150.1	
73 Toluene	92	6.933	6.933	0.000	97	810426	25.0	23.9	
75 trans-1,3-Dichloropropene	75	7.195	7.195	0.000	91	417853	25.0	23.0	
77 Ethyl methacrylate	69	7.256	7.256	0.000	89	389132	25.0	23.3	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	95	237173	25.0	24.7	
79 Tetrachloroethene	166	7.469	7.469	0.000	95	389038	25.0	26.2	
80 1,3-Dichloropropane	76	7.542	7.542	0.000	91	494378	25.0	23.9	
82 2-Hexanone	43	7.615	7.615	0.000	98	2228942	125.0	172.1	
83 Chlorodibromomethane	129	7.773	7.773	0.000	91	313656	25.0	23.1	
84 Ethylene Dibromide	107	7.882	7.882	0.000	98	313167	25.0	24.8	
85 Chlorobenzene	112	8.369	8.369	0.000	94	946657	25.0	24.6	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	90	337181	25.0	24.1	
88 Ethylbenzene	91	8.472	8.472	0.000	99	1496596	25.0	23.9	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	586917	25.0	24.6	
91 o-Xylene	106	9.020	9.020	0.000	96	578110	25.0	23.3	
92 Styrene	104	9.044	9.044	0.000	94	980727	25.0	24.6	
93 Bromoform	173	9.275	9.275	0.000	97	207667	25.0	23.7	
95 Isopropylbenzene	105	9.409	9.409	0.000	96	1552891	25.0	23.1	
97 Bromobenzene	156	9.744	9.744	0.000	87	406714	25.0	23.3	
98 1,1,2,2-Tetrachloroethane	83	9.780	9.780	0.000	96	411076	25.0	23.1	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	92	141764	25.0	23.7	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.835	0.000	62	118607	25.0	17.9	
100 N-Propylbenzene	91	9.841	9.841	0.000	99	1774705	25.0	23.1	
102 2-Chlorotoluene	126	9.932	9.932	0.000	96	386046	25.0	24.2	
104 1,3,5-Trimethylbenzene	105	10.018	10.018	0.000	94	1273920	25.0	23.5	
105 4-Chlorotoluene	91	10.048	10.048	0.000	97	1222264	25.0	23.9	
106 tert-Butylbenzene	134	10.340	10.340	0.000	95	299785	25.0	23.0	
108 1,2,4-Trimethylbenzene	105	10.395	10.395	0.000	98	1311353	25.0	23.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.553	10.553	0.000	95	1638109	25.0	23.1	
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	98	780860	25.0	24.0	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	97	1417971	25.0	23.2	
113 1,4-Dichlorobenzene	146	10.766	10.766	0.000	95	786532	25.0	24.0	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	1278936	25.0	23.5	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	98	760541	25.0	24.1	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.837	0.000	79	65658	25.0	19.4	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	94	514381	25.0	24.4	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	96	248046	25.0	25.2	
121 Naphthalene	128	12.737	12.737	0.000	97	1346145	25.0	21.9	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	95	438092	25.0	22.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 12.50

Units: uL

GAS CORP mix_00291

Amount Added: 12.50

Units: uL

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180717-73134.b\\N1555.D

Injection Date: 17-Jul-2018 08:59:30

Instrument ID: HP5973N

Operator ID: AM

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

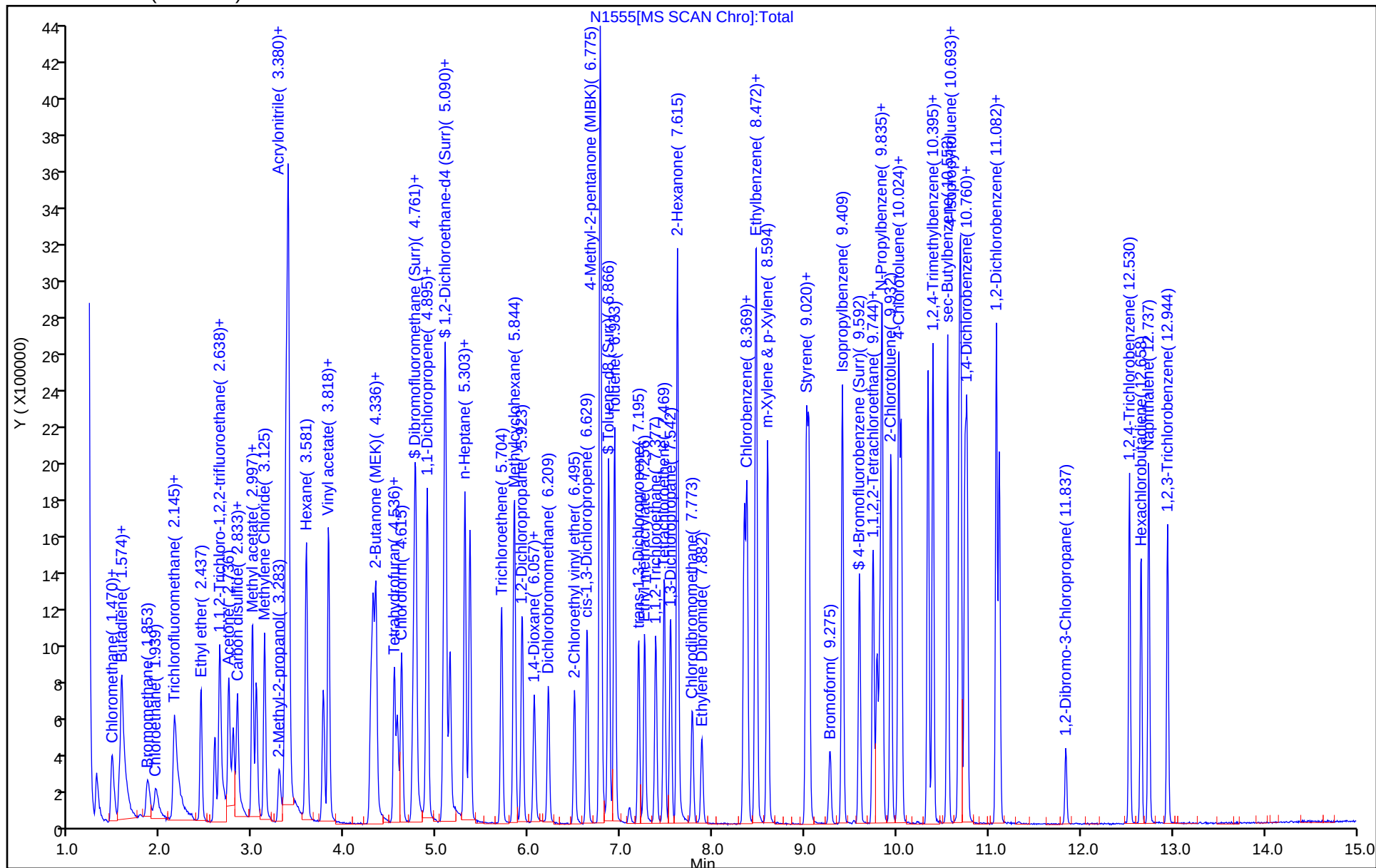
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1555.D

Injection Date: 17-Jul-2018 08:59:30

Instrument ID: HP5973N

Lims ID: CCVIS

Client ID:

Operator ID: AM

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

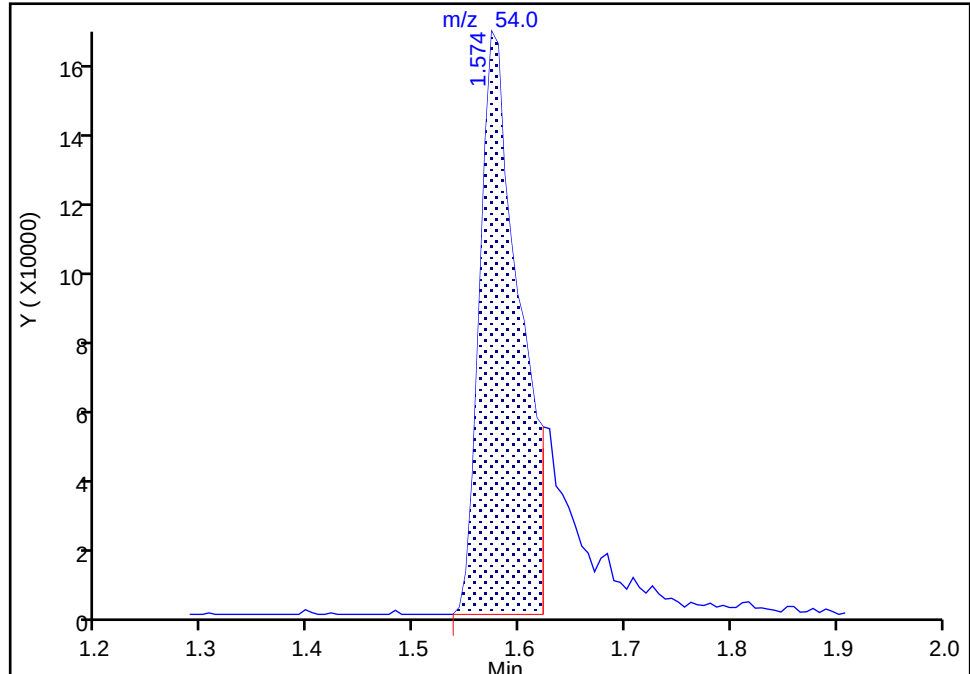
Detector: MS SCAN

144 Butadiene, CAS: 106-99-0

Signal: 1

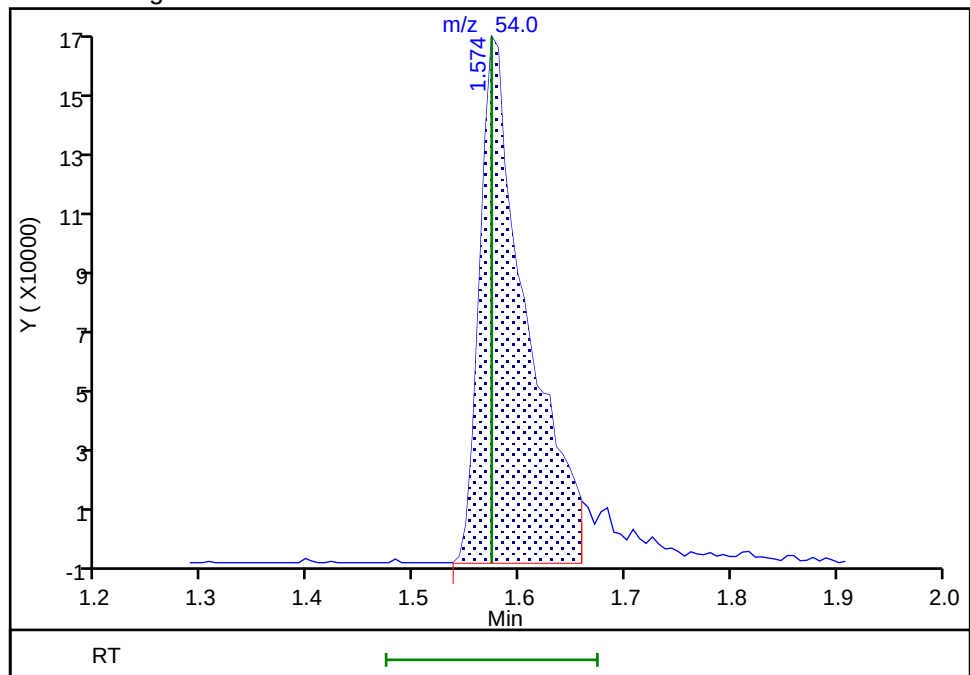
RT: 1.57
Area: 421818
Amount: 26.286912
Amount Units: ug/L

Processing Integration Results



RT: 1.57
Area: 493649
Amount: 30.763286
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 17-Jul-2018 09:20:17

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1555.D

Injection Date: 17-Jul-2018 08:59:30

Instrument ID: HP5973N

Lims ID: CCVIS

Client ID:

Operator ID: AM

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

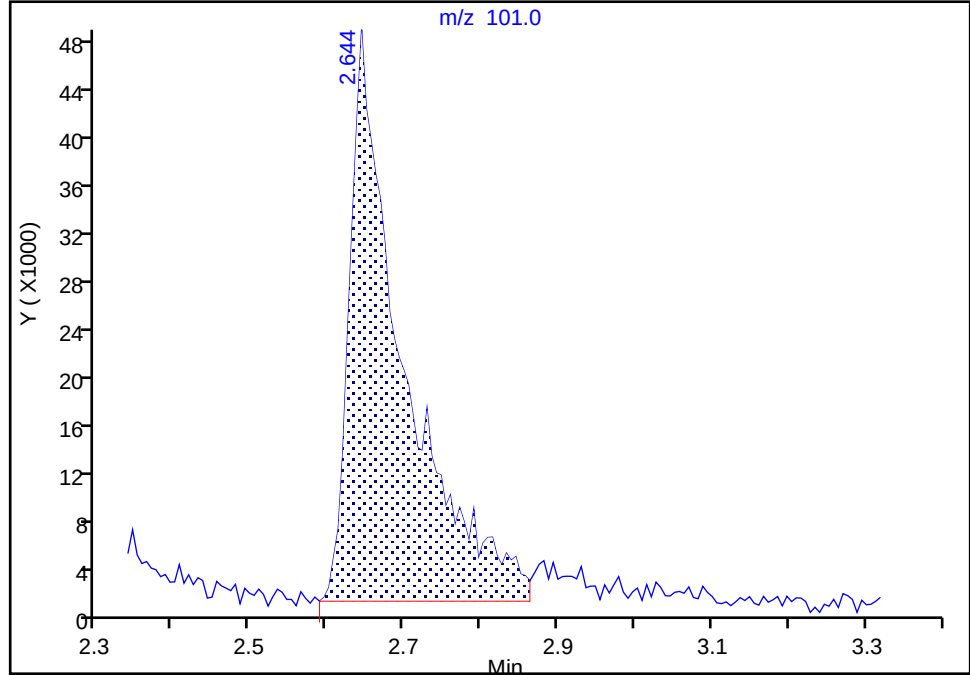
Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

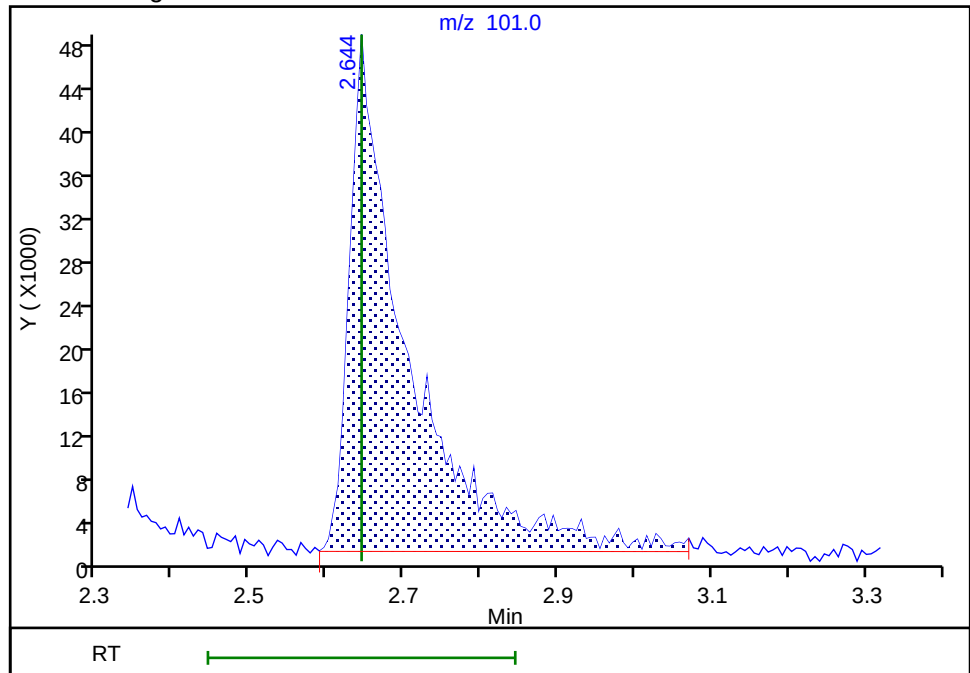
RT: 2.64
Area: 231864
Amount: 21.688484
Amount Units: ug/L

Processing Integration Results



RT: 2.64
Area: 250363
Amount: 23.418874
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 17-Jul-2018 09:20:34

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Lab Sample ID: CCVIS 480-425702/5 Calibration Date: 07/21/2018 22:00

Instrument ID: HP5973N Calib Start Date: 07/19/2018 15:25

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 07/19/2018 18:36

Lab File ID: N1702.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	1.499	1.449	0.1000	24.2	25.0	-3.3	50.0
Chloromethane	Ave	3.230	2.994	0.1000	23.2	25.0	-7.3	20.0
Vinyl chloride	Ave	2.187	2.157	0.1000	24.7	25.0	-1.3	20.0
Butadiene	Ave	2.655	2.701		25.4	25.0	1.7	20.0
Bromomethane	Ave	1.105	1.051	0.1000	23.8	25.0	-4.9	50.0
Chloroethane	Ave	1.246	1.166	0.1000	23.4	25.0	-6.4	50.0
Dichlorofluoromethane	Ave	2.605	2.479		23.8	25.0	-4.9	20.0
Trichlorofluoromethane	Ave	2.038	2.163	0.1000	26.5	25.0	6.1	20.0
Ethyl ether	Ave	1.952	1.813		23.2	25.0	-7.1	20.0
Acrolein	Ave	0.3622	0.3329		115	125	-8.1	50.0
1,1-Dichloroethene	Ave	1.258	1.262	0.1000	25.1	25.0	0.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.080	0.1000	22.1	25.0	-11.5	20.0
Acetone	Ave	0.7114	0.7152	0.1000	126	125	0.5	50.0
Iodomethane	Ave	2.350	2.250		23.9	25.0	-4.3	20.0
Carbon disulfide	Ave	3.808	3.836	0.1000	25.2	25.0	0.7	20.0
Allyl chloride	Ave	3.777	3.862		25.6	25.0	2.3	20.0
Methyl acetate	Ave	2.478	2.171	0.1000	43.8	50.0	-12.4	50.0
Methylene Chloride	Ave	1.685	1.414	0.1000	21.0	25.0	-16.1	20.0
2-Methyl-2-propanol	Ave	0.1228	0.1280		261	250	4.2	50.0
Methyl tert-butyl ether	Ave	4.530	4.442	0.1000	24.5	25.0	-1.9	20.0
trans-1,2-Dichloroethene	Ave	1.517	1.434	0.1000	23.6	25.0	-5.5	20.0
Acrylonitrile	Ave	1.094	1.008		230	250	-7.9	20.0
Hexane	Ave	3.167	3.230		25.5	25.0	2.0	20.0
1,1-Dichloroethane	Ave	3.156	3.078	0.2000	24.4	25.0	-2.5	20.0
Vinyl acetate	Ave	4.912	5.455		55.5	50.0	11.0	20.0
2,2-Dichloropropane	Ave	1.748	1.842		26.3	25.0	5.4	20.0
cis-1,2-Dichloroethene	Ave	1.733	1.588	0.1000	22.9	25.0	-8.4	20.0
2-Butanone (MEK)	Ave	1.337	1.272	0.1000	119	125	-4.9	20.0
Chlorobromomethane	Ave	0.8167	0.7960		24.4	25.0	-2.5	20.0
Tetrahydrofuran	Ave	0.9302	0.8938		48.0	50.0	-3.9	20.0
Chloroform	Ave	2.708	2.525	0.2000	23.3	25.0	-6.8	20.0
1,1,1-Trichloroethane	Ave	2.038	2.110	0.1000	25.9	25.0	3.5	20.0
Cyclohexane	Lin1		3.557	0.1000	25.3	25.0	1.1	20.0
Carbon tetrachloride	Ave	1.864	1.836	0.1000	24.6	25.0	-1.5	20.0
1,1-Dichloropropene	Ave	1.979	1.959		24.8	25.0	-1.0	20.0
Benzene	Ave	5.991	5.751	0.5000	24.0	25.0	-4.0	20.0
Isobutyl alcohol	Ave	0.1149	0.1196		650	625	4.0	50.0
1,2-Dichloroethane	Ave	2.721	2.571	0.1000	23.6	25.0	-5.5	20.0
n-Heptane	Ave	3.875	3.956		25.5	25.0	2.1	20.0
Trichloroethene	Ave	1.493	1.482	0.2000	24.8	25.0	-0.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Lab Sample ID: CCVIS 480-425702/5 Calibration Date: 07/21/2018 22:00

Instrument ID: HP5973N Calib Start Date: 07/19/2018 15:25

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 07/19/2018 18:36

Lab File ID: N1702.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	2.620	2.758	0.1000	26.3	25.0	5.3	20.0
1,2-Dichloropropane	Ave	1.783	1.706	0.1000	23.9	25.0	-4.3	20.0
Dibromomethane	Ave	0.9592	0.9131	0.1000	23.8	25.0	-4.8	20.0
1,4-Dioxane	Ave	0.0040	0.0046		576	500	15.3	50.0
Bromodichloromethane	Ave	1.858	1.817	0.2000	24.4	25.0	-2.2	20.0
2-Chloroethyl vinyl ether	Ave	1.183	1.176		24.8	25.0	-0.6	20.0
cis-1,3-Dichloropropene	Ave	2.032	2.160	0.2000	26.6	25.0	6.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2536	0.2661	0.1000	131	125	4.9	20.0
Toluene	Ave	0.9532	0.9620	0.4000	25.2	25.0	0.9	20.0
trans-1,3-Dichloropropene	Ave	0.4920	0.5317	0.1000	27.0	25.0	8.1	20.0
Ethyl methacrylate	Ave	0.4544	0.4823		26.5	25.0	6.1	20.0
1,1,2-Trichloroethane	Ave	0.3067	0.2893	0.1000	23.6	25.0	-5.7	20.0
Tetrachloroethene	Ave	0.4307	0.4340	0.2000	25.2	25.0	0.8	20.0
1,3-Dichloropropane	Ave	0.5961	0.5928		24.9	25.0	-0.6	20.0
2-Hexanone	Ave	0.5078	0.5496	0.1000	135	125	8.2	20.0
Dibromochloromethane	Ave	0.3566	0.3730	0.1000	26.2	25.0	4.6	20.0
1,2-Dibromoethane	Ave	0.3868	0.3762		24.3	25.0	-2.8	20.0
Chlorobenzene	Ave	1.124	1.100	0.5000	24.5	25.0	-2.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3803	0.3913		25.7	25.0	2.9	20.0
Ethylbenzene	Ave	1.733	1.820	0.1000	26.2	25.0	5.0	20.0
m,p-Xylene	Ave	0.6872	0.7304	0.1000	26.6	25.0	6.3	20.0
o-Xylene	Ave	0.6786	0.7224	0.3000	26.6	25.0	6.5	20.0
Styrene	Ave	1.117	1.178	0.3000	26.4	25.0	5.5	20.0
Bromoform	Ave	0.2444	0.2486	0.1000	25.4	25.0	1.7	50.0
Isopropylbenzene	Ave	3.199	3.280	0.1000	25.6	25.0	2.5	20.0
Bromobenzene	Ave	0.9126	0.8410		23.0	25.0	-7.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9561	0.8846	0.3000	23.1	25.0	-7.5	20.0
1,2,3-Trichloropropane	Ave	0.3094	0.2954		23.9	25.0	-4.5	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.3657		26.0	25.0	3.9	50.0
N-Propylbenzene	Ave	3.676	3.739		25.4	25.0	1.7	20.0
2-Chlorotoluene	Ave	0.8402	0.8097		24.1	25.0	-3.6	20.0
1,3,5-Trimethylbenzene	Ave	2.618	2.668		25.5	25.0	1.9	20.0
4-Chlorotoluene	Ave	2.555	2.477		24.2	25.0	-3.1	20.0
tert-Butylbenzene	Ave	0.6041	0.6299		26.1	25.0	4.3	20.0
1,2,4-Trimethylbenzene	Ave	2.675	2.760		25.8	25.0	3.2	20.0
sec-Butylbenzene	Ave	3.500	3.512		25.1	25.0	0.4	20.0
1,3-Dichlorobenzene	Ave	1.641	1.579	0.6000	24.1	25.0	-3.8	20.0
4-Isopropyltoluene	Ave	3.130	3.192		25.5	25.0	2.0	20.0
1,4-Dichlorobenzene	Ave	1.703	1.620	0.5000	23.8	25.0	-4.9	20.0
n-Butylbenzene	Ave	2.649	2.673		25.2	25.0	0.9	20.0
1,2-Dichlorobenzene	Ave	1.579	1.558	0.4000	24.7	25.0	-1.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-425702/5 Calibration Date: 07/21/2018 22:00
 Instrument ID: HP5973N Calib Start Date: 07/19/2018 15:25
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 07/19/2018 18:36
 Lab File ID: N1702.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	0.1510	0.1528	0.0500	25.3	25.0	1.2	50.0
1,2,4-Trichlorobenzene	Ave	1.100	1.112	0.2000	25.3	25.0	1.0	20.0
Hexachlorobutadiene	Ave	0.5430	0.5522		25.4	25.0	1.7	20.0
Naphthalene	Ave	2.868	2.886		25.2	25.0	0.6	20.0
1,2,3-Trichlorobenzene	Ave	0.9950	0.9530		23.9	25.0	-4.2	20.0
Dibromofluoromethane (Surr)	Ave	1.276	1.232		24.1	25.0	-3.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.694	1.716		25.3	25.0	1.3	20.0
Toluene-d8 (Surr)	Ave	1.329	1.340		25.2	25.0	0.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4473	0.4677		26.1	25.0	4.5	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1702.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 21-Jul-2018 22:00:30 ALS Bottle#: 3 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0073271-005
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub38
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Jul-2018 00:03:33 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: HillL

Date: 22-Jul-2018 00:03:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	210199	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.338	0.000	91	757073	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.741	0.000	94	435202	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	0.000	61	258935	25.0	24.1	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	360673	25.0	25.3	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	1014842	25.0	25.2	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.598	0.000	94	354048	25.0	26.1	
11 Dichlorodifluoromethane	85	1.294	1.294	0.000	98	304531	25.0	24.2	
13 Chloromethane	50	1.464	1.464	0.000	99	629398	25.0	23.2	
14 Vinyl chloride	62	1.543	1.543	0.000	97	453494	25.0	24.7	
144 Butadiene	54	1.574	1.574	0.000	95	567752	25.0	25.4	
15 Bromomethane	94	1.847	1.847	0.000	91	220846	25.0	23.8	
16 Chloroethane	64	1.939	1.939	0.000	96	245157	25.0	23.4	
17 Dichlorofluoromethane	67	2.139	2.139	0.000	88	521027	25.0	23.8	
18 Trichlorofluoromethane	101	2.145	2.145	0.000	95	454666	25.0	26.5	
19 Ethyl ether	59	2.431	2.431	0.000	95	381188	25.0	23.2	
20 Acrolein	56	2.583	2.583	0.000	99	349887	125.0	114.9	
22 1,1-Dichloroethene	96	2.632	2.632	0.000	92	265206	25.0	25.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.644	2.644	0.000	44	226932	25.0	22.1	
23 Acetone	43	2.736	2.736	0.000	98	751633	125.0	125.7	
24 Iodomethane	142	2.784	2.784	0.000	98	472933	25.0	23.9	
25 Carbon disulfide	76	2.827	2.827	0.000	98	806303	25.0	25.2	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	87	811883	25.0	25.6	
28 Methyl acetate	43	3.040	3.040	0.000	100	912623	50.0	43.8	
30 Methylene Chloride	84	3.125	3.125	0.000	90	297274	25.0	21.0	
31 2-Methyl-2-propanol	59	3.283	3.283	0.000	98	269006	250.0	260.6	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	96	933643	25.0	24.5	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	91	301397	25.0	23.6	
34 Acrylonitrile	53	3.380	3.380	0.000	98	2118187	250.0	230.2	
35 Hexane	57	3.581	3.581	0.000	96	679019	25.0	25.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.764	3.764	0.000	96	646913	25.0	24.4	
39 Vinyl acetate	43	3.818	3.818	0.000	97	2293067	50.0	55.5	
42 2,2-Dichloropropane	77	4.287	4.287	0.000	83	387113	25.0	26.3	
43 cis-1,2-Dichloroethene	96	4.305	4.305	0.000	86	333887	25.0	22.9	
44 2-Butanone (MEK)	43	4.335	4.335	0.000	96	1337190	125.0	118.9	
47 Chlorobromomethane	128	4.536	4.536	0.000	88	167309	25.0	24.4	
49 Tetrahydrofuran	42	4.567	4.567	0.000	93	375741	50.0	48.0	
50 Chloroform	83	4.615	4.615	0.000	98	530812	25.0	23.3	
51 1,1,1-Trichloroethane	97	4.743	4.743	0.000	96	443486	25.0	25.9	
52 Cyclohexane	56	4.767	4.767	0.000	95	747640	25.0	25.3	
53 Carbon tetrachloride	117	4.883	4.883	0.000	93	385896	25.0	24.6	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	84	411867	25.0	24.8	
56 Isobutyl alcohol	43	5.090	5.090	0.000	94	628357	625.0	650.2	
55 Benzene	78	5.090	5.090	0.000	95	1208825	25.0	24.0	
57 1,2-Dichloroethane	62	5.145	5.145	0.000	95	540403	25.0	23.6	
59 n-Heptane	43	5.303	5.303	0.000	97	831539	25.0	25.5	
60 Trichloroethene	95	5.704	5.704	0.000	92	311535	25.0	24.8	
62 Methylcyclohexane	83	5.838	5.838	0.000	95	579702	25.0	26.3	
63 1,2-Dichloropropane	63	5.923	5.923	0.000	88	358657	25.0	23.9	
64 Dibromomethane	93	6.057	6.057	0.000	94	191939	25.0	23.8	
66 1,4-Dioxane	88	6.075	6.075	0.000	92	70120	500.0	576.3	
67 Dichlorobromomethane	83	6.209	6.209	0.000	95	381960	25.0	24.4	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	87	247115	25.0	24.8	
71 cis-1,3-Dichloropropene	75	6.629	6.629	0.000	85	454079	25.0	26.6	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	98	1007265	125.0	131.2	
73 Toluene	92	6.933	6.933	0.000	97	728296	25.0	25.2	
75 trans-1,3-Dichloropropene	75	7.195	7.195	0.000	92	402538	25.0	27.0	
77 Ethyl methacrylate	69	7.256	7.256	0.000	88	365152	25.0	26.5	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	94	219009	25.0	23.6	
79 Tetrachloroethene	166	7.475	7.475	0.000	95	328567	25.0	25.2	
80 1,3-Dichloropropane	76	7.542	7.542	0.000	90	448822	25.0	24.9	
82 2-Hexanone	43	7.615	7.615	0.000	99	2080481	125.0	135.3	
83 Chlorodibromomethane	129	7.779	7.779	0.000	90	282394	25.0	26.2	
84 Ethylene Dibromide	107	7.882	7.882	0.000	99	284785	25.0	24.3	
85 Chlorobenzene	112	8.369	8.369	0.000	93	832901	25.0	24.5	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	92	296202	25.0	25.7	
88 Ethylbenzene	91	8.472	8.472	0.000	98	1377879	25.0	26.2	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	552942	25.0	26.6	
91 o-Xylene	106	9.020	9.020	0.000	98	546915	25.0	26.6	
92 Styrene	104	9.044	9.044	0.000	94	892029	25.0	26.4	
93 Bromoform	173	9.269	9.269	0.000	96	188197	25.0	25.4	
95 Isopropylbenzene	105	9.409	9.409	0.000	96	1427298	25.0	25.6	
97 Bromobenzene	156	9.744	9.744	0.000	89	365988	25.0	23.0	
98 1,1,2,2-Tetrachloroethane	83	9.786	9.786	0.000	96	384984	25.0	23.1	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	93	128540	25.0	23.9	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.835	0.000	70	159152	25.0	26.0	
100 N-Propylbenzene	91	9.841	9.841	0.000	99	1627198	25.0	25.4	
102 2-Chlorotoluene	126	9.932	9.932	0.000	96	352379	25.0	24.1	
104 1,3,5-Trimethylbenzene	105	10.024	10.024	0.000	96	1161319	25.0	25.5	
105 4-Chlorotoluene	91	10.048	10.048	0.000	98	1077908	25.0	24.2	
106 tert-Butylbenzene	134	10.340	10.340	0.000	94	274117	25.0	26.1	
108 1,2,4-Trimethylbenzene	105	10.395	10.395	0.000	97	1200974	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
109 sec-Butylbenzene	105	10.553	10.553	0.000	95	1528637	25.0	25.1	
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	98	687130	25.0	24.1	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	98	1389259	25.0	25.5	
113 1,4-Dichlorobenzene	146	10.766	10.766	0.000	94	705147	25.0	23.8	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	1163266	25.0	25.2	
116 1,2-Dichlorobenzene	146	11.119	11.119	0.000	97	678112	25.0	24.7	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.837	0.000	77	66508	25.0	25.3	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	94	483881	25.0	25.3	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	96	240305	25.0	25.4	
121 Naphthalene	128	12.743	12.743	0.000	97	1255908	25.0	25.2	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	94	414739	25.0	23.9	

Reagents:

8260 CORP mix_00128	Amount Added: 12.50	Units: uL	
GAS CORP mix_00291	Amount Added: 12.50	Units: uL	
N_8260_Surr_00336	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00120	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180721-73271.b\\N1702.D

Injection Date: 21-Jul-2018 22:00:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: CCVIS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

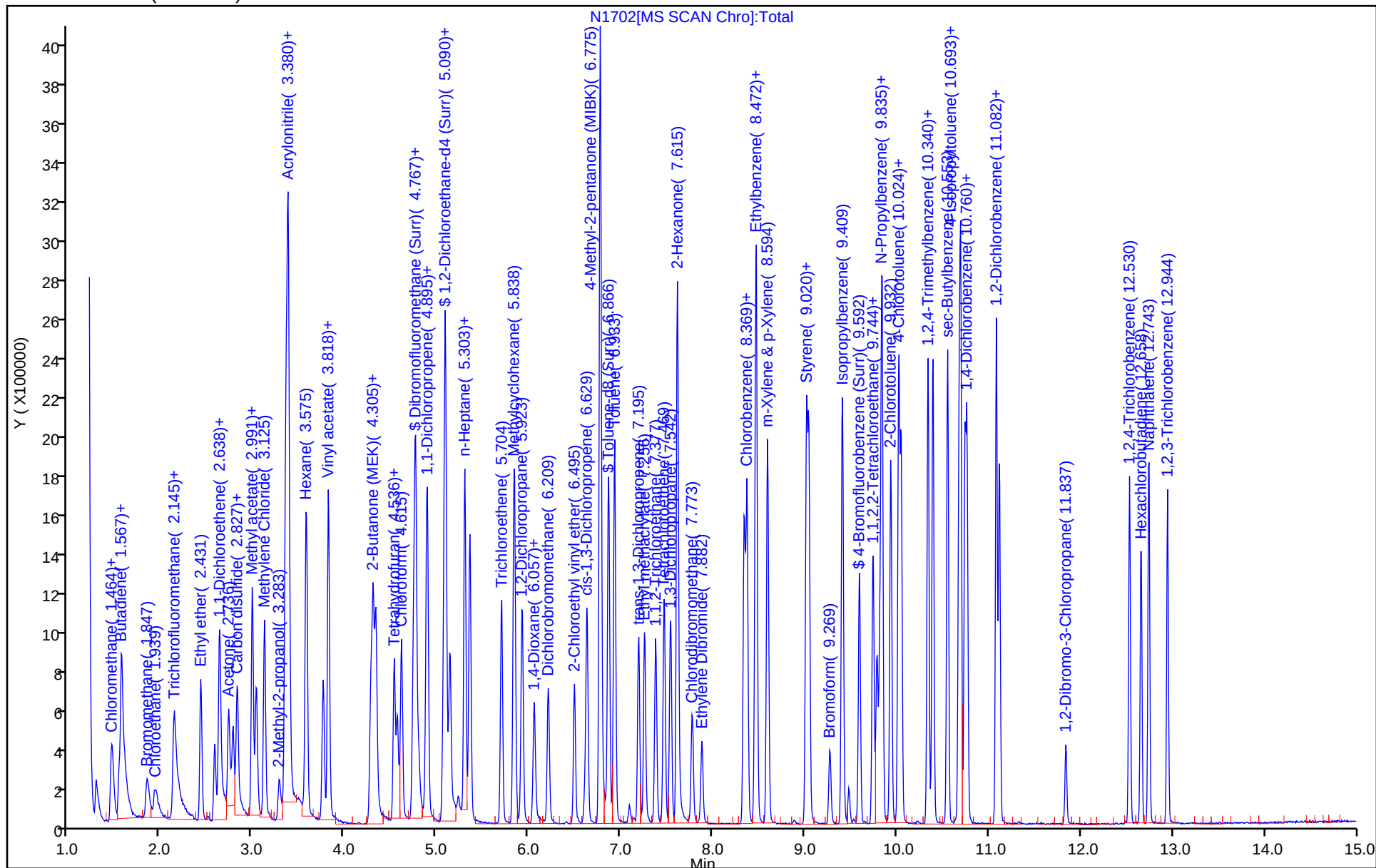
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: N-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.: 480-138781-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-424950/15 Calibration Date: 07/18/2018 09:32
 Instrument ID: HP5973S Calib Start Date: 06/20/2018 13:51
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/20/2018 16:34
 Lab File ID: S3643.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	1.204	1.566	0.1000	32.5	25.0	30.0	50.0
Chloromethane	Ave	1.913	2.227	0.1000	29.1	25.0	16.4	20.0
Vinyl chloride	Ave	1.701	2.037	0.1000	29.9	25.0	19.8	20.0
Butadiene	Ave	1.774	2.099		29.6	25.0	18.3	20.0
Bromomethane	Ave	0.9114	0.9177	0.1000	25.2	25.0	0.7	50.0
Chloroethane	Ave	1.029	1.146	0.1000	27.8	25.0	11.4	50.0
Dichlorofluoromethane	Ave	2.255	2.021		22.4	25.0	-10.4	20.0
Trichlorofluoromethane	Ave	1.612	1.902	0.1000	29.5	25.0	18.0	20.0
Ethyl ether	Ave	1.434	1.560		27.2	25.0	8.8	20.0
Acrolein	Ave	0.2746	0.2573		117	125	-6.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.018	0.1000	26.0	25.0	3.9	20.0
1,1-Dichloroethene	Ave	1.104	1.306	0.1000	29.6	25.0	18.3	20.0
Acetone	Ave	0.4810	0.5155	0.1000	134	125	7.2	50.0
Iodomethane	Ave	1.615	1.948		30.1	25.0	20.6*	20.0
Carbon disulfide	Ave	3.520	3.740	0.1000	26.6	25.0	6.2	20.0
Allyl chloride	Ave	2.141	2.072		24.2	25.0	-3.2	20.0
Methyl acetate	Ave	1.263	1.288	0.1000	51.0	50.0	2.0	50.0
Methylene Chloride	Lin1		1.436	0.1000	24.6	25.0	-1.8	20.0
2-Methyl-2-propanol	Ave	0.1630	0.1786		274	250	9.6	50.0
Methyl tert-butyl ether	Ave	4.138	4.085	0.1000	24.7	25.0	-1.3	20.0
trans-1,2-Dichloroethene	Ave	1.264	1.356	0.1000	26.8	25.0	7.3	20.0
Acrylonitrile	Ave	0.6712	0.7619		284	250	13.5	20.0
Hexane	Ave	2.330	2.779		29.8	25.0	19.3	20.0
1,1-Dichloroethane	Ave	2.662	2.796	0.2000	26.3	25.0	5.0	20.0
Vinyl acetate	Ave	3.070	3.456		56.3	50.0	12.6	20.0
2,2-Dichloropropane	Ave	1.475	1.568		26.6	25.0	6.3	20.0
cis-1,2-Dichloroethene	Ave	1.452	1.516	0.1000	26.1	25.0	4.4	20.0
2-Butanone (MEK)	Ave	0.7386	0.8180	0.1000	138	125	10.8	20.0
Chlorobromomethane	Ave	0.6939	0.7344		26.5	25.0	5.8	20.0
Tetrahydrofuran	Ave	0.5075	0.5512		54.3	50.0	8.6	20.0
Chloroform	Ave	2.323	2.315	0.2000	24.9	25.0	-0.3	20.0
Cyclohexane	Ave	2.329	2.774	0.1000	29.8	25.0	19.1	20.0
1,1,1-Trichloroethane	Ave	1.731	1.810	0.1000	26.1	25.0	4.6	20.0
Carbon tetrachloride	Ave	1.451	1.592	0.1000	27.4	25.0	9.8	20.0
1,1-Dichloropropene	Ave	1.764	1.866		26.4	25.0	5.8	20.0
Benzene	Ave	5.304	5.640	0.5000	26.6	25.0	6.3	20.0
Isobutyl alcohol	Ave	0.0686	0.0829		755	625	20.8	50.0
1,2-Dichloroethane	Ave	2.143	2.113	0.1000	24.7	25.0	-1.4	20.0
n-Heptane	Ave	2.167	2.532		29.2	25.0	16.8	20.0
Trichloroethene	Ave	1.368	1.414	0.2000	25.8	25.0	3.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Lab Sample ID: CCVIS 480-424950/15 Calibration Date: 07/18/2018 09:32

Instrument ID: HP5973S Calib Start Date: 06/20/2018 13:51

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/20/2018 16:34

Lab File ID: S3643.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	2.084	2.364	0.1000	28.4	25.0	13.4	20.0
1,2-Dichloropropane	Ave	1.600	1.669	0.1000	26.1	25.0	4.3	20.0
Dibromomethane	Ave	0.8353	0.8748	0.1000	26.2	25.0	4.7	20.0
1,4-Dioxane	Lin1		0.0090		809	500	61.8*	50.0
Bromodichloromethane	Ave	1.609	1.748	0.2000	27.2	25.0	8.6	20.0
2-Chloroethyl vinyl ether	Ave	1.068	1.136		26.6	25.0	6.4	20.0
cis-1,3-Dichloropropene	Ave	2.023	2.079	0.2000	25.7	25.0	2.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7981	0.8551	0.1000	134	125	7.1	20.0
Toluene	Ave	1.662	1.750	0.4000	26.3	25.0	5.3	20.0
trans-1,3-Dichloropropene	Ave	0.9155	0.9449	0.1000	25.8	25.0	3.2	20.0
Ethyl methacrylate	Ave	0.8975	0.8842		24.6	25.0	-1.5	20.0
1,1,2-Trichloroethane	Ave	0.5007	0.5384	0.1000	26.9	25.0	7.5	20.0
Tetrachloroethene	Ave	0.7017	0.7724	0.2000	27.5	25.0	10.1	20.0
1,3-Dichloropropane	Ave	1.056	1.117		26.5	25.0	5.8	20.0
2-Hexanone	Ave	0.5875	0.6274	0.1000	133	125	6.8	20.0
Dibromochloromethane	Ave	0.5694	0.6477	0.1000	28.4	25.0	13.8	20.0
1,2-Dibromoethane	Ave	0.6308	0.6656		26.4	25.0	5.5	20.0
Chlorobenzene	Ave	1.821	1.965	0.5000	27.0	25.0	7.9	20.0
Ethylbenzene	Ave	2.995	3.257	0.1000	27.2	25.0	8.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5890	0.6361		27.0	25.0	8.0	20.0
m,p-Xylene	Ave	1.218	1.275	0.1000	26.2	25.0	4.7	20.0
o-Xylene	Ave	1.156	1.200	0.3000	25.9	25.0	3.8	20.0
Styrene	Ave	1.985	2.125	0.3000	26.8	25.0	7.1	20.0
Bromoform	Ave	0.3637	0.4128	0.1000	28.4	25.0	13.5	50.0
Isopropylbenzene	Ave	3.152	3.253	0.1000	25.8	25.0	3.2	20.0
Bromobenzene	Ave	0.7974	0.8280		26.0	25.0	3.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8564	0.8741	0.3000	25.5	25.0	2.1	20.0
N-Propylbenzene	Ave	3.654	3.837		26.3	25.0	5.0	20.0
1,2,3-Trichloropropane	Ave	0.2819	0.2922		25.9	25.0	3.6	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.2140		17.7	25.0	-29.2	50.0
2-Chlorotoluene	Ave	0.7865	0.8059		25.6	25.0	2.5	20.0
1,3,5-Trimethylbenzene	Ave	2.734	2.755		25.2	25.0	0.8	20.0
4-Chlorotoluene	Ave	0.8059	0.8609		26.7	25.0	6.8	20.0
tert-Butylbenzene	Ave	0.5829	0.6026		25.8	25.0	3.4	20.0
1,2,4-Trimethylbenzene	Ave	2.793	2.827		25.3	25.0	1.2	20.0
sec-Butylbenzene	Ave	3.279	3.485		26.6	25.0	6.3	20.0
4-Isopropyltoluene	Ave	2.822	3.028		26.8	25.0	7.3	20.0
1,3-Dichlorobenzene	Ave	1.549	1.639	0.6000	26.4	25.0	5.8	20.0
1,4-Dichlorobenzene	Ave	1.580	1.653	0.5000	26.2	25.0	4.6	20.0
n-Butylbenzene	Ave	2.545	2.729		26.8	25.0	7.3	20.0
1,2-Dichlorobenzene	Ave	1.525	1.590	0.4000	26.1	25.0	4.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-424950/15 Calibration Date: 07/18/2018 09:32
 Instrument ID: HP5973S Calib Start Date: 06/20/2018 13:51
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/20/2018 16:34
 Lab File ID: S3643.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	0.1662	0.1715	0.0500	25.8	25.0	3.2	50.0
1,2,4-Trichlorobenzene	Ave	1.085	1.115	0.2000	25.7	25.0	2.8	20.0
Hexachlorobutadiene	Ave	0.5186	0.5750		27.7	25.0	10.9	20.0
Naphthalene	Ave	2.965	2.989		25.2	25.0	0.8	20.0
1,2,3-Trichlorobenzene	Ave	1.000	1.092		27.3	25.0	9.2	20.0
Dibromofluoromethane (Surr)	Ave	1.197	1.219		25.5	25.0	1.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7832	0.7247		23.1	25.0	-7.5	20.0
Toluene-d8 (Surr)	Ave	2.435	2.295		23.6	25.0	-5.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7477	0.7443		24.9	25.0	-0.5	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S3643.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 18-Jul-2018 09:32:30 ALS Bottle#: 5 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0073166-015
 Operator ID: AM Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jul-2018 16:34:09 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: moffata

Date: 18-Jul-2018 09:57:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	133882	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	85	271021	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.894	10.894	0.000	57	263463	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	56	163150	25.0	25.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	55	97017	25.0	23.1	
\$ 5 Toluene-d8 (Surr)	98	7.024	7.024	0.000	90	621951	25.0	23.6	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	92	201708	25.0	24.9	
10 Dichlorodifluoromethane	85	1.282	1.282	0.000	98	209605	25.0	32.5	
12 Chloromethane	50	1.470	1.470	0.000	99	298162	25.0	29.1	
13 Vinyl chloride	62	1.555	1.555	0.000	93	272672	25.0	29.9	
151 Butadiene	54	1.580	1.580	0.000	83	281049	25.0	29.6	
14 Bromomethane	94	1.872	1.872	0.000	88	122866	25.0	25.2	
15 Chloroethane	64	1.969	1.969	0.000	98	153487	25.0	27.8	
16 Dichlorofluoromethane	67	2.200	2.200	0.000	95	270610	25.0	22.4	
17 Trichlorofluoromethane	101	2.200	2.200	0.000	77	254684	25.0	29.5	
18 Ethyl ether	59	2.498	2.498	0.000	93	208832	25.0	27.2	
20 Acrolein	56	2.687	2.687	0.000	96	172213	125.0	117.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.699	2.699	0.000	54	136238	25.0	26.0	
22 1,1-Dichloroethene	96	2.723	2.723	0.000	91	174830	25.0	29.6	
23 Acetone	43	2.851	2.851	0.000	99	345087	125.0	134.0	
25 Iodomethane	142	2.888	2.888	0.000	95	260750	25.0	30.1	
26 Carbon disulfide	76	2.924	2.924	0.000	97	500665	25.0	26.6	
28 3-Chloro-1-propene	41	3.095	3.095	0.000	88	277391	25.0	24.2	
27 Methyl acetate	43	3.149	3.149	0.000	95	344838	50.0	51.0	
30 Methylene Chloride	84	3.259	3.259	0.000	93	192221	25.0	24.6	
31 2-Methyl-2-propanol	59	3.423	3.423	0.000	94	239118	250.0	274.0	
32 Methyl tert-butyl ether	73	3.453	3.453	0.000	92	546940	25.0	24.7	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	92	181513	25.0	26.8	
33 Acrylonitrile	53	3.539	3.539	0.000	99	1020107	250.0	283.8	
35 Hexane	57	3.660	3.660	0.000	85	372080	25.0	29.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.898	3.898	0.000	96	374279	25.0	26.3	
37 Vinyl acetate	43	3.952	3.952	0.000	97	925434	50.0	56.3	
44 2,2-Dichloropropane	77	4.421	4.421	0.000	92	209992	25.0	26.6	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	82	202912	25.0	26.1	
43 2-Butanone (MEK)	43	4.500	4.500	0.000	94	547565	125.0	138.4	
48 Chlorobromomethane	128	4.694	4.694	0.000	94	98328	25.0	26.5	
49 Tetrahydrofuran	42	4.713	4.713	0.000	91	147597	50.0	54.3	
50 Chloroform	83	4.774	4.774	0.000	93	309939	25.0	24.9	
52 Cyclohexane	56	4.877	4.877	0.000	89	371441	25.0	29.8	
51 1,1,1-Trichloroethane	97	4.883	4.883	0.000	86	242324	25.0	26.1	
55 Carbon tetrachloride	117	5.017	5.017	0.000	91	213166	25.0	27.4	
54 1,1-Dichloropropene	75	5.035	5.035	0.000	96	249855	25.0	26.4	
57 Benzene	78	5.242	5.242	0.000	96	755124	25.0	26.6	
53 Isobutyl alcohol	43	5.266	5.266	0.000	94	277393	625.0	755.0	
58 1,2-Dichloroethane	62	5.315	5.315	0.000	79	282882	25.0	24.7	
59 n-Heptane	43	5.412	5.412	0.000	89	339017	25.0	29.2	
62 Trichloroethene	95	5.850	5.850	0.000	96	189374	25.0	25.8	
64 Methylcyclohexane	83	5.960	5.960	0.000	95	316465	25.0	28.4	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	97	223442	25.0	26.1	
67 Dibromomethane	93	6.234	6.234	0.000	89	117118	25.0	26.2	
66 1,4-Dioxane	88	6.240	6.240	0.000	38	49012	500.0	809.1	
68 Dichlorobromomethane	83	6.386	6.386	0.000	98	233969	25.0	27.2	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	87	152041	25.0	26.6	
72 cis-1,3-Dichloropropene	75	6.805	6.805	0.000	91	278330	25.0	25.7	
73 4-Methyl-2-pentanone (MIBK)	43	6.951	6.951	0.000	95	1158791	125.0	133.9	
74 Toluene	92	7.091	7.091	0.000	95	474357	25.0	26.3	
77 trans-1,3-Dichloropropene	75	7.371	7.371	0.000	94	256096	25.0	25.8	
75 Ethyl methacrylate	69	7.414	7.414	0.000	88	239623	25.0	24.6	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	91	145911	25.0	26.9	
81 Tetrachloroethene	166	7.615	7.615	0.000	88	209326	25.0	27.5	
82 1,3-Dichloropropane	76	7.724	7.724	0.000	93	302821	25.0	26.5	
80 2-Hexanone	43	7.791	7.791	0.000	90	850195	125.0	133.5	
83 Chlorodibromomethane	129	7.961	7.961	0.000	90	175536	25.0	28.4	
84 Ethylene Dibromide	107	8.065	8.065	0.000	99	180377	25.0	26.4	
87 Chlorobenzene	112	8.539	8.539	0.000	95	532580	25.0	27.0	
88 Ethylbenzene	91	8.631	8.631	0.000	98	882805	25.0	27.2	
89 1,1,1,2-Tetrachloroethane	131	8.637	8.637	0.000	47	172397	25.0	27.0	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	99	345577	25.0	26.2	
91 o-Xylene	106	9.178	9.178	0.000	98	325226	25.0	25.9	
92 Styrene	104	9.208	9.208	0.000	93	575814	25.0	26.8	
95 Bromoform	173	9.464	9.464	0.000	92	111871	25.0	28.4	
94 Isopropylbenzene	105	9.561	9.561	0.000	96	856994	25.0	25.8	
101 Bromobenzene	156	9.908	9.908	0.000	95	218143	25.0	26.0	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	73	230281	25.0	25.5	
99 N-Propylbenzene	91	9.981	9.981	0.000	99	1010947	25.0	26.3	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	65	76980	25.0	25.9	
98 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	77	56370	25.0	17.7	
103 2-Chlorotoluene	126	10.091	10.091	0.000	97	212311	25.0	25.6	
102 1,3,5-Trimethylbenzene	105	10.158	10.158	0.000	86	725908	25.0	25.2	
105 4-Chlorotoluene	126	10.200	10.200	0.000	81	226808	25.0	26.7	
106 tert-Butylbenzene	134	10.474	10.474	0.000	92	158763	25.0	25.8	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	57	744848	25.0	25.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	94	918203	25.0	26.6	
110 4-Isopropyltoluene	119	10.821	10.821	0.000	96	797833	25.0	26.8	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	73	431691	25.0	26.4	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	96	435531	25.0	26.2	
115 n-Butylbenzene	91	11.210	11.210	0.000	97	719081	25.0	26.8	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	92	418824	25.0	26.1	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	76	45190	25.0	25.8	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	94	293707	25.0	25.7	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	95	151502	25.0	27.7	
121 Naphthalene	128	12.877	12.877	0.000	97	787425	25.0	25.2	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	95	287707	25.0	27.3	

Reagents:

8260 CORP mix_00128	Amount Added: 12.50	Units: uL	
GAS CORP mix_00291	Amount Added: 12.50	Units: uL	
S_8260_IS_00294	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00276	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180718-73166.b\\S3643.D

Injection Date: 18-Jul-2018 09:32:30

Instrument ID: HP5973S

Operator ID: AM

Lims ID: CCVIS

Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL

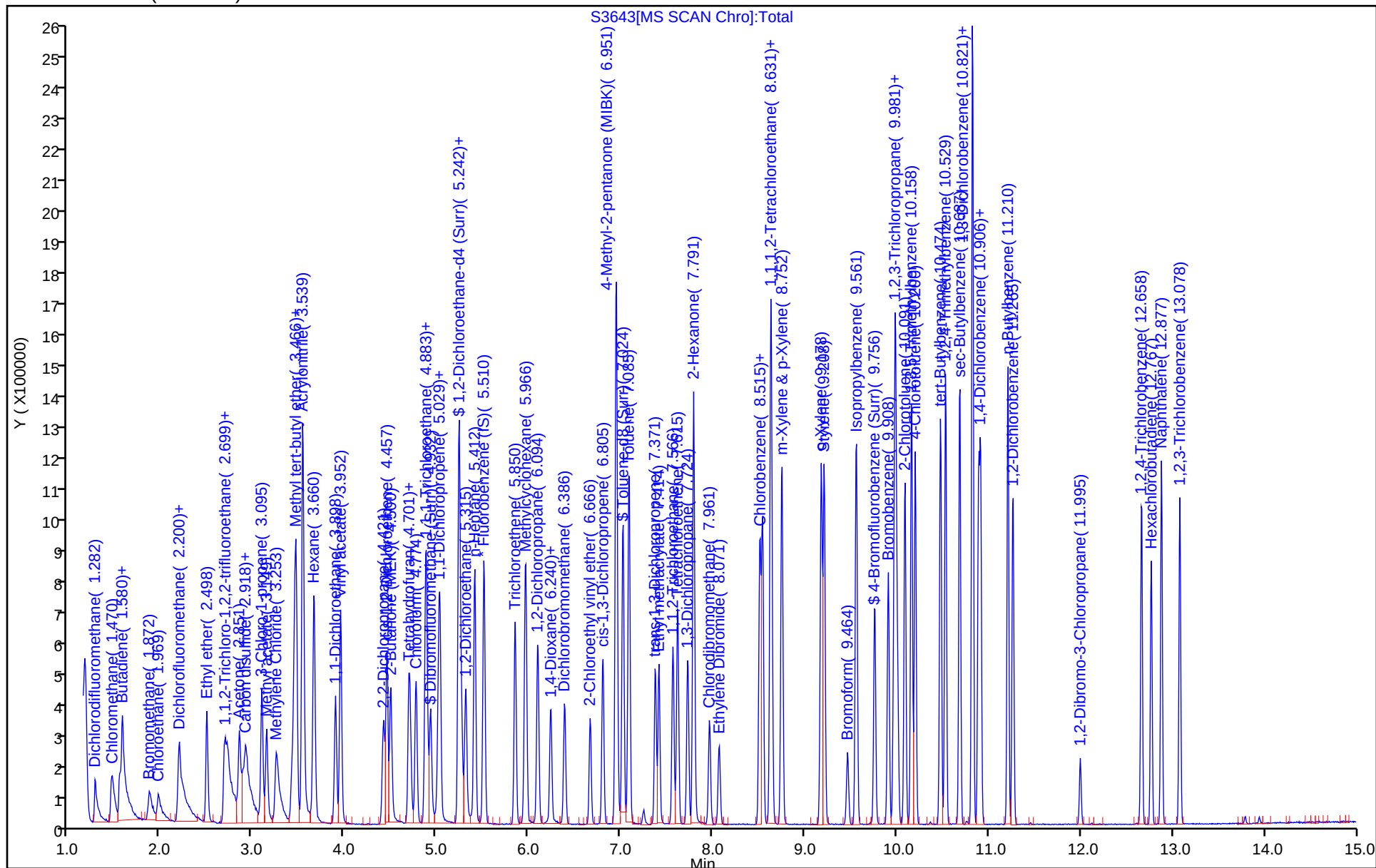
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Lab Sample ID: CCVIS 480-425155/3 Calibration Date: 07/18/2018 19:14

Instrument ID: HP5973S Calib Start Date: 06/20/2018 13:51

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/20/2018 16:34

Lab File ID: S3667.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	1.204	1.174	0.1000	24.4	25.0	-2.5	50.0
Chloromethane	Ave	1.913	2.125	0.1000	27.8	25.0	11.1	20.0
Vinyl chloride	Ave	1.701	1.851	0.1000	27.2	25.0	8.8	20.0
Butadiene	Ave	1.774	1.912		26.9	25.0	7.8	20.0
Bromomethane	Ave	0.9114	0.9496	0.1000	26.0	25.0	4.2	50.0
Chloroethane	Ave	1.029	1.122	0.1000	27.2	25.0	9.0	50.0
Trichlorofluoromethane	Ave	1.612	1.692	0.1000	26.3	25.0	5.0	20.0
Dichlorofluoromethane	Ave	2.255	2.177		24.1	25.0	-3.5	20.0
Ethyl ether	Ave	1.434	1.551		27.0	25.0	8.2	20.0
Acrolein	Ave	0.2746	0.2744		125	125	-0.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		0.8641	0.1000	22.1	25.0	-11.5	20.0
1,1-Dichloroethene	Ave	1.104	1.099	0.1000	24.9	25.0	-0.5	20.0
Acetone	Ave	0.4810	0.4715	0.1000	123	125	-2.0	50.0
Iodomethane	Ave	1.615	1.941		30.0	25.0	20.2*	20.0
Carbon disulfide	Ave	3.520	3.600	0.1000	25.6	25.0	2.3	20.0
Allyl chloride	Ave	2.141	2.049		23.9	25.0	-4.3	20.0
Methyl acetate	Ave	1.263	1.342	0.1000	53.1	50.0	6.3	50.0
Methylene Chloride	Lin1		1.416	0.1000	24.2	25.0	-3.2	20.0
2-Methyl-2-propanol	Ave	0.1630	0.1982		304	250	21.6	50.0
Methyl tert-butyl ether	Ave	4.138	4.049	0.1000	24.5	25.0	-2.1	20.0
trans-1,2-Dichloroethene	Ave	1.264	1.339	0.1000	26.5	25.0	5.9	20.0
Acrylonitrile	Ave	0.6712	0.7890		294	250	17.6	20.0
Hexane	Ave	2.330	2.146		23.0	25.0	-7.9	20.0
1,1-Dichloroethane	Ave	2.662	2.637	0.2000	24.8	25.0	-1.0	20.0
Vinyl acetate	Ave	3.070	3.425		55.8	50.0	11.6	20.0
2,2-Dichloropropane	Ave	1.475	1.518		25.7	25.0	2.9	20.0
cis-1,2-Dichloroethene	Ave	1.452	1.488	0.1000	25.6	25.0	2.5	20.0
2-Butanone (MEK)	Ave	0.7386	0.8046	0.1000	136	125	8.9	20.0
Chlorobromomethane	Ave	0.6939	0.7262		26.2	25.0	4.7	20.0
Tetrahydrofuran	Ave	0.5075	0.5212		51.3	50.0	2.7	20.0
Chloroform	Ave	2.323	2.256	0.2000	24.3	25.0	-2.9	20.0
1,1,1-Trichloroethane	Ave	1.731	1.674	0.1000	24.2	25.0	-3.3	20.0
Cyclohexane	Ave	2.329	2.198	0.1000	23.6	25.0	-5.6	20.0
Carbon tetrachloride	Ave	1.451	1.434	0.1000	24.7	25.0	-1.1	20.0
1,1-Dichloropropene	Ave	1.764	1.736		24.6	25.0	-1.6	20.0
Benzene	Ave	5.304	5.373	0.5000	25.3	25.0	1.3	20.0
Isobutyl alcohol	Ave	0.0686	0.0848		772	625	23.5	50.0
1,2-Dichloroethane	Ave	2.143	2.076	0.1000	24.2	25.0	-3.1	20.0
n-Heptane	Ave	2.167	1.858		21.4	25.0	-14.3	20.0
Trichloroethene	Ave	1.368	1.388	0.2000	25.4	25.0	1.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Lab Sample ID: CCVIS 480-425155/3 Calibration Date: 07/18/2018 19:14

Instrument ID: HP5973S Calib Start Date: 06/20/2018 13:51

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/20/2018 16:34

Lab File ID: S3667.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	2.084	1.904	0.1000	22.8	25.0	-8.6	20.0
1,2-Dichloropropane	Ave	1.600	1.613	0.1000	25.2	25.0	0.8	20.0
1,4-Dioxane	Lin1		0.0094		838	500	67.5*	50.0
Dibromomethane	Ave	0.8353	0.8807	0.1000	26.4	25.0	5.4	20.0
Bromodichloromethane	Ave	1.609	1.691	0.2000	26.3	25.0	5.1	20.0
2-Chloroethyl vinyl ether	Ave	1.068	1.070		25.0	25.0	0.2	20.0
cis-1,3-Dichloropropene	Ave	2.023	1.991	0.2000	24.6	25.0	-1.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7981	0.7985	0.1000	125	125	0.0	20.0
Toluene	Ave	1.662	1.651	0.4000	24.8	25.0	-0.7	20.0
trans-1,3-Dichloropropene	Ave	0.9155	0.9138	0.1000	25.0	25.0	-0.2	20.0
Ethyl methacrylate	Ave	0.8975	0.8835		24.6	25.0	-1.6	20.0
1,1,2-Trichloroethane	Ave	0.5007	0.5058	0.1000	25.3	25.0	1.0	20.0
Tetrachloroethene	Ave	0.7017	0.7247	0.2000	25.8	25.0	3.3	20.0
1,3-Dichloropropane	Ave	1.056	1.062		25.1	25.0	0.6	20.0
2-Hexanone	Ave	0.5875	0.5812	0.1000	124	125	-1.1	20.0
Dibromochloromethane	Ave	0.5694	0.6198	0.1000	27.2	25.0	8.8	20.0
1,2-Dibromoethane	Ave	0.6308	0.6514		25.8	25.0	3.3	20.0
Chlorobenzene	Ave	1.821	1.835	0.5000	25.2	25.0	0.8	20.0
Ethylbenzene	Ave	2.995	3.076	0.1000	25.7	25.0	2.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5890	0.6178		26.2	25.0	4.9	20.0
m,p-Xylene	Ave	1.218	1.195	0.1000	24.5	25.0	-1.9	20.0
o-Xylene	Ave	1.156	1.174	0.3000	25.4	25.0	1.5	20.0
Styrene	Ave	1.985	2.010	0.3000	25.3	25.0	1.3	20.0
Bromoform	Ave	0.3637	0.4233	0.1000	29.1	25.0	16.4	50.0
Isopropylbenzene	Ave	3.152	3.173	0.1000	25.2	25.0	0.7	20.0
Bromobenzene	Ave	0.7974	0.8317		26.1	25.0	4.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8564	0.8933	0.3000	26.1	25.0	4.3	20.0
N-Propylbenzene	Ave	3.654	3.700		25.3	25.0	1.3	20.0
1,2,3-Trichloropropane	Ave	0.2819	0.2894		25.7	25.0	2.7	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.2724		22.4	25.0	-10.5	50.0
2-Chlorotoluene	Ave	0.7865	0.7624		24.2	25.0	-3.1	20.0
1,3,5-Trimethylbenzene	Ave	2.734	2.724		24.9	25.0	-0.4	20.0
4-Chlorotoluene	Ave	0.8059	0.8106		25.1	25.0	0.6	20.0
tert-Butylbenzene	Ave	0.5829	0.6087		26.1	25.0	4.4	20.0
1,2,4-Trimethylbenzene	Ave	2.793	2.803		25.1	25.0	0.4	20.0
sec-Butylbenzene	Ave	3.279	3.357		25.6	25.0	2.4	20.0
1,3-Dichlorobenzene	Ave	1.549	1.606	0.6000	25.9	25.0	3.7	20.0
4-Isopropyltoluene	Ave	2.822	2.973		26.3	25.0	5.4	20.0
1,4-Dichlorobenzene	Ave	1.580	1.638	0.5000	25.9	25.0	3.7	20.0
n-Butylbenzene	Ave	2.545	2.675		26.3	25.0	5.1	20.0
1,2-Dichlorobenzene	Ave	1.525	1.541	0.4000	25.2	25.0	1.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-425155/3 Calibration Date: 07/18/2018 19:14
 Instrument ID: HP5973S Calib Start Date: 06/20/2018 13:51
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 06/20/2018 16:34
 Lab File ID: S3667.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	0.1662	0.1653	0.0500	24.9	25.0	-0.5	50.0
1,2,4-Trichlorobenzene	Ave	1.085	1.152	0.2000	26.5	25.0	6.2	20.0
Hexachlorobutadiene	Ave	0.5186	0.5778		27.9	25.0	11.4	20.0
Naphthalene	Ave	2.965	3.112		26.2	25.0	5.0	20.0
1,2,3-Trichlorobenzene	Ave	1.000	1.111		27.8	25.0	11.1	20.0
Dibromofluoromethane (Surr)	Ave	1.197	1.205		25.2	25.0	0.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7832	0.7447		23.8	25.0	-4.9	20.0
Toluene-d8 (Surr)	Ave	2.435	2.264		23.2	25.0	-7.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7477	0.7372		24.6	25.0	-1.4	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3667.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 18-Jul-2018 19:14:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0073194-003
 Operator ID: NC Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jul-2018 20:02:16 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: carrolln

Date: 18-Jul-2018 20:02:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	132804	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	87	268091	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	56	254364	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	65	160016	25.0	25.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	57	98895	25.0	23.8	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	91	606869	25.0	23.2	
\$ 6 4-Bromofluorobenzene (Surr	174	9.756	9.756	0.000	89	197627	25.0	24.6	
10 Dichlorodifluoromethane	85	1.282	1.282	0.000	97	155868	25.0	24.4	
12 Chloromethane	50	1.470	1.470	0.000	98	282245	25.0	27.8	
13 Vinyl chloride	62	1.549	1.549	0.000	78	245784	25.0	27.2	
151 Butadiene	54	1.580	1.580	0.000	82	253862	25.0	26.9	
14 Bromomethane	94	1.872	1.872	0.000	88	126105	25.0	26.0	
15 Chloroethane	64	1.975	1.975	0.000	94	149002	25.0	27.2	
17 Trichlorofluoromethane	101	2.194	2.194	0.000	80	224719	25.0	26.3	
16 Dichlorofluoromethane	67	2.200	2.200	0.000	95	289058	25.0	24.1	
18 Ethyl ether	59	2.498	2.498	0.000	92	205985	25.0	27.0	M
20 Acrolein	56	2.687	2.687	0.000	93	182235	125.0	124.9	
21 1,1,2-Trichloro-1,2,2-trif	101	2.699	2.699	0.000	50	114749	25.0	22.1	M
22 1,1-Dichloroethene	96	2.723	2.723	0.000	96	145941	25.0	24.9	
23 Acetone	43	2.851	2.851	0.000	99	313074	125.0	122.5	
25 Iodomethane	142	2.894	2.894	0.000	96	257713	25.0	30.0	
26 Carbon disulfide	76	2.918	2.918	0.000	98	478113	25.0	25.6	
28 3-Chloro-1-propene	41	3.095	3.095	0.000	89	272080	25.0	23.9	
27 Methyl acetate	43	3.149	3.149	0.000	94	356365	50.0	53.1	
30 Methylene Chloride	84	3.253	3.253	0.000	99	188050	25.0	24.2	
31 2-Methyl-2-propanol	59	3.429	3.429	0.000	91	263210	250.0	304.0	
32 Methyl tert-butyl ether	73	3.454	3.454	0.000	92	537788	25.0	24.5	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	94	177758	25.0	26.5	
33 Acrylonitrile	53	3.539	3.539	0.000	100	1047872	250.0	293.9	
35 Hexane	57	3.660	3.660	0.000	85	285029	25.0	23.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.898	3.898	0.000	96	350145	25.0	24.8	
37 Vinyl acetate	43	3.952	3.952	0.000	97	909783	50.0	55.8	
44 2,2-Dichloropropane	77	4.415	4.415	0.000	93	201629	25.0	25.7	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	79	197607	25.0	25.6	
43 2-Butanone (MEK)	43	4.494	4.494	0.000	94	534284	125.0	136.2	
48 Chlorobromomethane	128	4.695	4.695	0.000	91	96445	25.0	26.2	
49 Tetrahydrofuran	42	4.713	4.713	0.000	90	138422	50.0	51.3	
50 Chloroform	83	4.774	4.774	0.000	93	299657	25.0	24.3	
52 Cyclohexane	56	4.883	4.883	0.000	90	291964	25.0	23.6	
51 1,1,1-Trichloroethane	97	4.883	4.883	0.000	90	222349	25.0	24.2	
55 Carbon tetrachloride	117	5.017	5.017	0.000	90	190477	25.0	24.7	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	95	230565	25.0	24.6	
57 Benzene	78	5.236	5.236	0.000	96	713609	25.0	25.3	
53 Isobutyl alcohol	43	5.266	5.266	0.000	95	281410	625.0	772.2	
58 1,2-Dichloroethane	62	5.309	5.309	0.000	78	275647	25.0	24.2	
59 n-Heptane	43	5.412	5.412	0.000	91	246734	25.0	21.4	
62 Trichloroethene	95	5.850	5.850	0.000	97	184372	25.0	25.4	
64 Methylcyclohexane	83	5.960	5.960	0.000	93	252857	25.0	22.8	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	97	214263	25.0	25.2	
67 Dibromomethane	93	6.234	6.234	0.000	89	116964	25.0	26.4	
66 1,4-Dioxane	88	6.234	6.234	0.000	40	50215	500.0	837.6	M
68 Dichlorobromomethane	83	6.386	6.386	0.000	97	224597	25.0	26.3	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	89	142039	25.0	25.0	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	89	264449	25.0	24.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	94	1070353	125.0	125.1	
74 Toluene	92	7.085	7.085	0.000	96	442634	25.0	24.8	
77 trans-1,3-Dichloropropene	75	7.371	7.371	0.000	94	244970	25.0	25.0	
75 Ethyl methacrylate	69	7.414	7.414	0.000	85	236869	25.0	24.6	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	93	135587	25.0	25.3	
81 Tetrachloroethene	166	7.615	7.615	0.000	85	194287	25.0	25.8	
82 1,3-Dichloropropane	76	7.724	7.724	0.000	92	284637	25.0	25.1	
80 2-Hexanone	43	7.791	7.791	0.000	91	779001	125.0	123.6	
83 Chlorodibromomethane	129	7.961	7.961	0.000	89	166151	25.0	27.2	
84 Ethylene Dibromide	107	8.065	8.065	0.000	95	174646	25.0	25.8	
87 Chlorobenzene	112	8.539	8.539	0.000	93	491963	25.0	25.2	
88 Ethylbenzene	91	8.631	8.631	0.000	98	824525	25.0	25.7	
89 1,1,1,2-Tetrachloroethane	131	8.637	8.637	0.000	48	165618	25.0	26.2	
90 m-Xylene & p-Xylene	106	8.746	8.746	0.000	100	320457	25.0	24.5	
91 o-Xylene	106	9.178	9.178	0.000	97	314798	25.0	25.4	
92 Styrene	104	9.209	9.209	0.000	94	538895	25.0	25.3	
95 Bromoform	173	9.464	9.464	0.000	94	113489	25.0	29.1	
94 Isopropylbenzene	105	9.561	9.561	0.000	95	807058	25.0	25.2	
101 Bromobenzene	156	9.908	9.908	0.000	93	211558	25.0	26.1	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	71	227217	25.0	26.1	
99 N-Propylbenzene	91	9.981	9.981	0.000	94	941203	25.0	25.3	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	76	73623	25.0	25.7	
98 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	68	69299	25.0	22.4	
103 2-Chlorotoluene	126	10.091	10.091	0.000	96	193925	25.0	24.2	
102 1,3,5-Trimethylbenzene	105	10.158	10.158	0.000	76	692810	25.0	24.9	
105 4-Chlorotoluene	126	10.200	10.200	0.000	96	206183	25.0	25.1	
106 tert-Butylbenzene	134	10.474	10.474	0.000	91	154825	25.0	26.1	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	76	713064	25.0	25.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	93	853985	25.0	25.6	
111 1,3-Dichlorobenzene	146	10.821	10.821	0.000	71	408530	25.0	25.9	
110 4-Isopropyltoluene	119	10.821	10.821	0.000	97	756227	25.0	26.3	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	94	416566	25.0	25.9	
115 n-Butylbenzene	91	11.210	11.210	0.000	96	680475	25.0	26.3	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	93	391850	25.0	25.2	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	74	42042	25.0	24.9	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	94	292984	25.0	26.5	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	95	146974	25.0	27.9	
121 Naphthalene	128	12.877	12.877	0.000	97	791632	25.0	26.2	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	94	282570	25.0	27.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128	Amount Added: 12.50	Units: uL	
GAS CORP mix_00291	Amount Added: 12.50	Units: uL	
S_8260_IS_00294	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00276	Amount Added: 1.00	Units: uL	Run Reagent

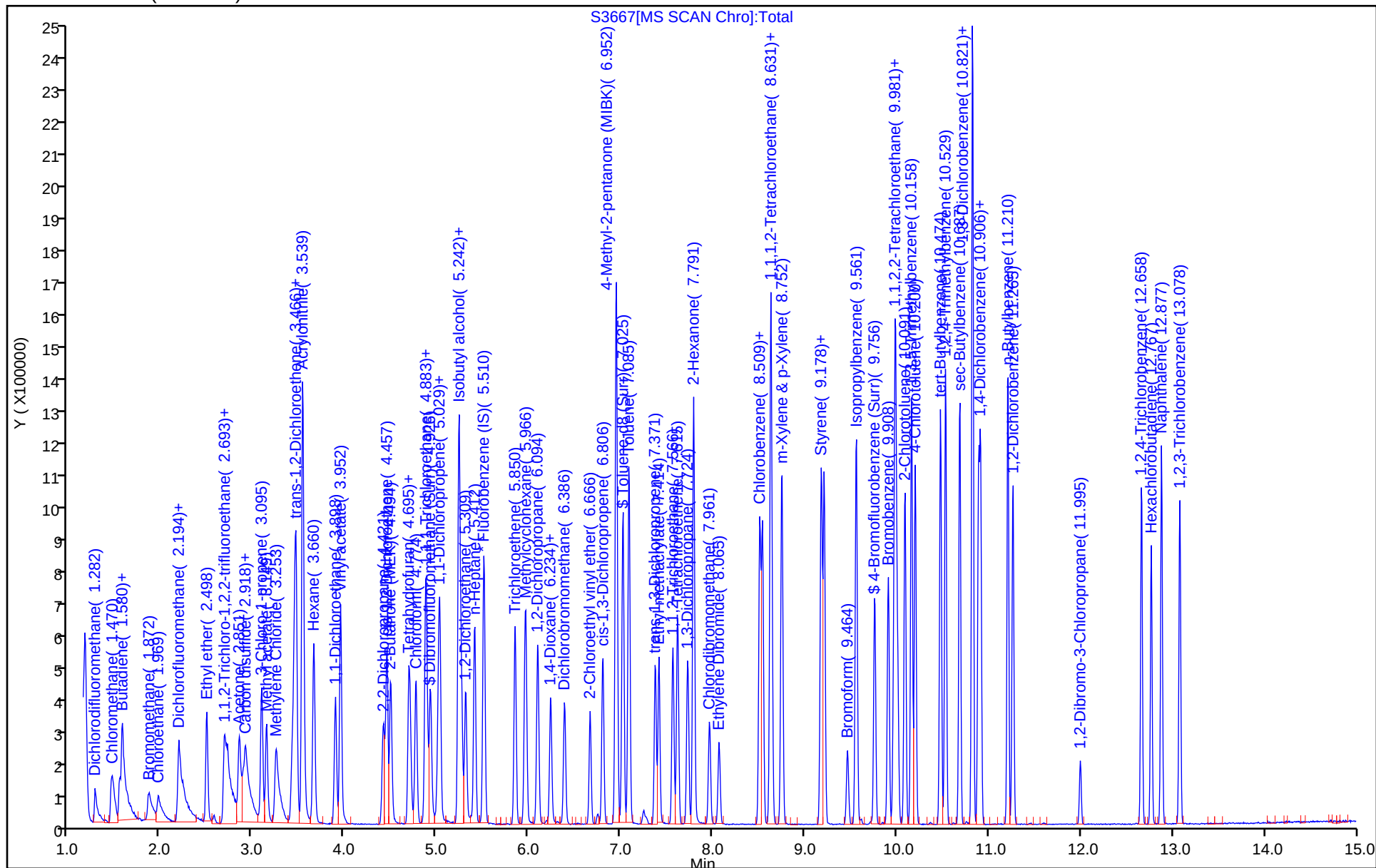
Operator ID: NC

Worklist Smp#: 3

ALS Bottle#: 2

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3667.D

Injection Date: 18-Jul-2018 19:14:30

Instrument ID: HP5973S

Lims ID: CCVIS

Client ID:

Operator ID: NC

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

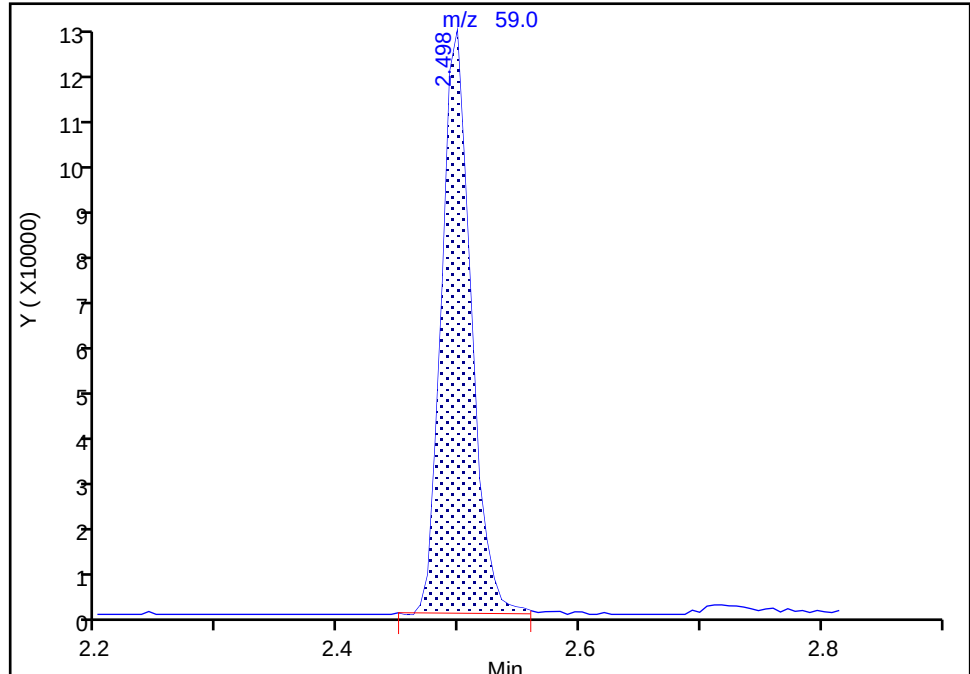
Detector: MS SCAN

18 Ethyl ether, CAS: 60-29-7

Signal: 1

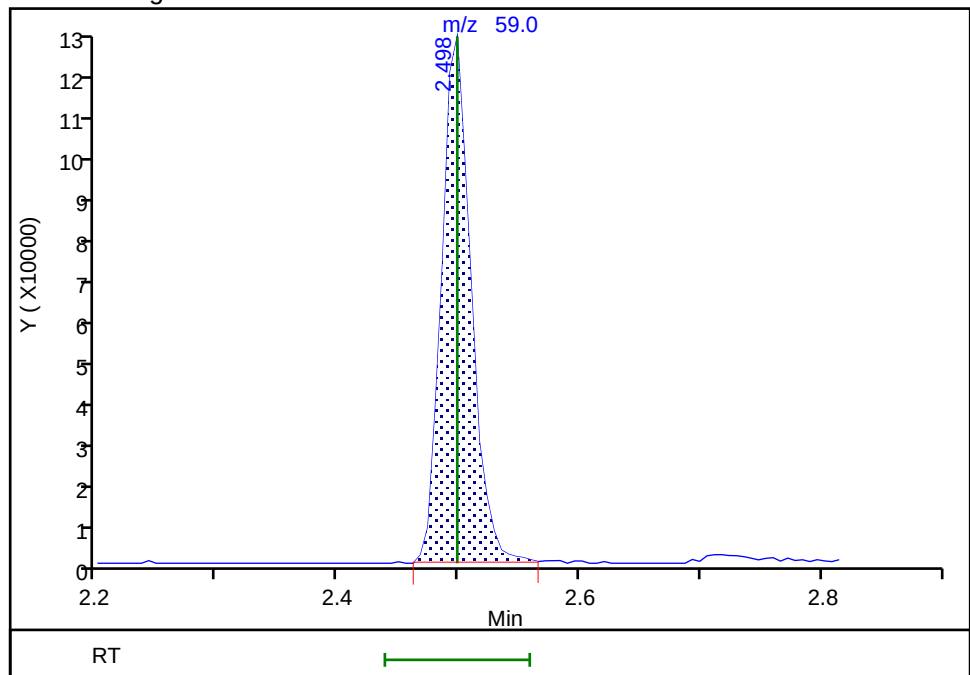
RT: 2.50
Area: 206022
Amount: 27.054570
Amount Units: ug/L

Processing Integration Results



RT: 2.50
Area: 205985
Amount: 27.049711
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 18-Jul-2018 20:00:16

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3667.D

Injection Date: 18-Jul-2018 19:14:30

Instrument ID: HP5973S

Lims ID: CCVIS

Client ID:

Operator ID: NC

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

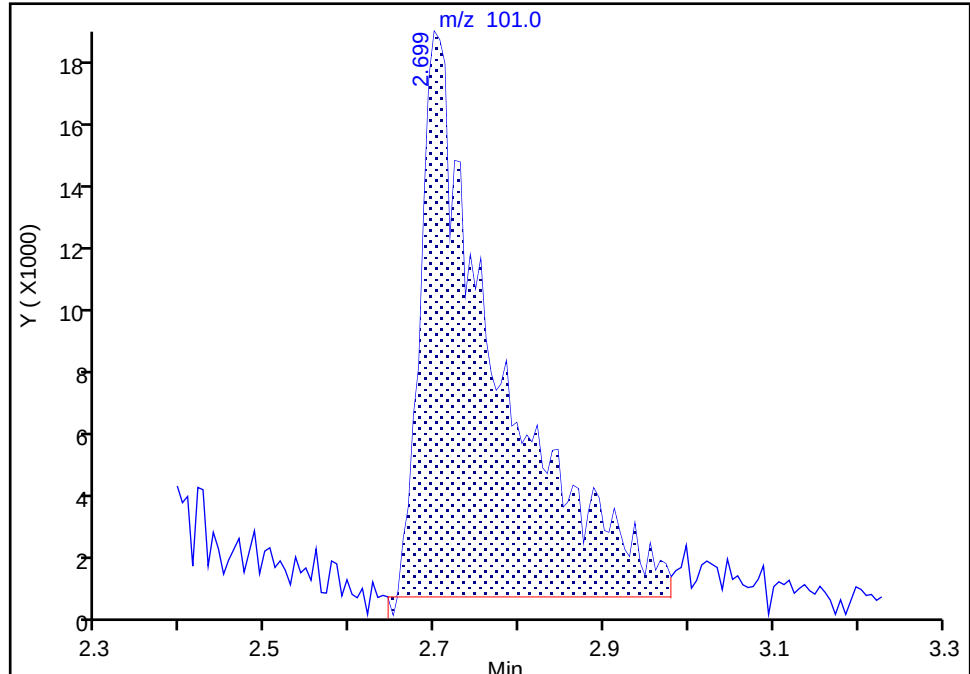
Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

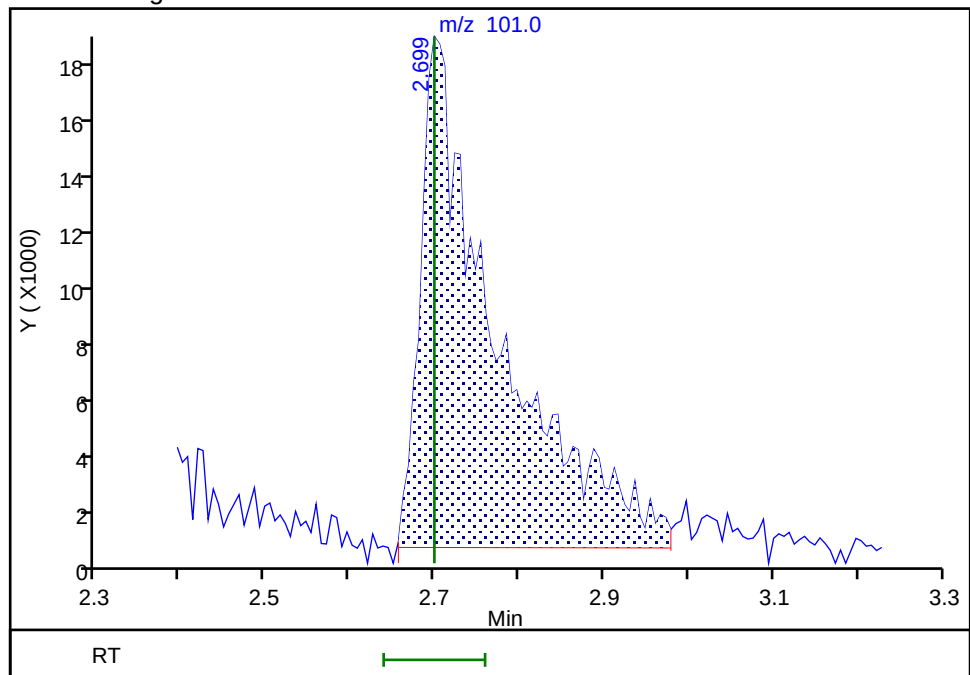
RT: 2.70
Area: 114385
Amount: 22.047961
Amount Units: ug/L

Processing Integration Results



RT: 2.70
Area: 114749
Amount: 22.116942
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 18-Jul-2018 20:00:34

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3667.D

Injection Date: 18-Jul-2018 19:14:30

Instrument ID: HP5973S

Lims ID: CCVIS

Client ID:

Operator ID: NC

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

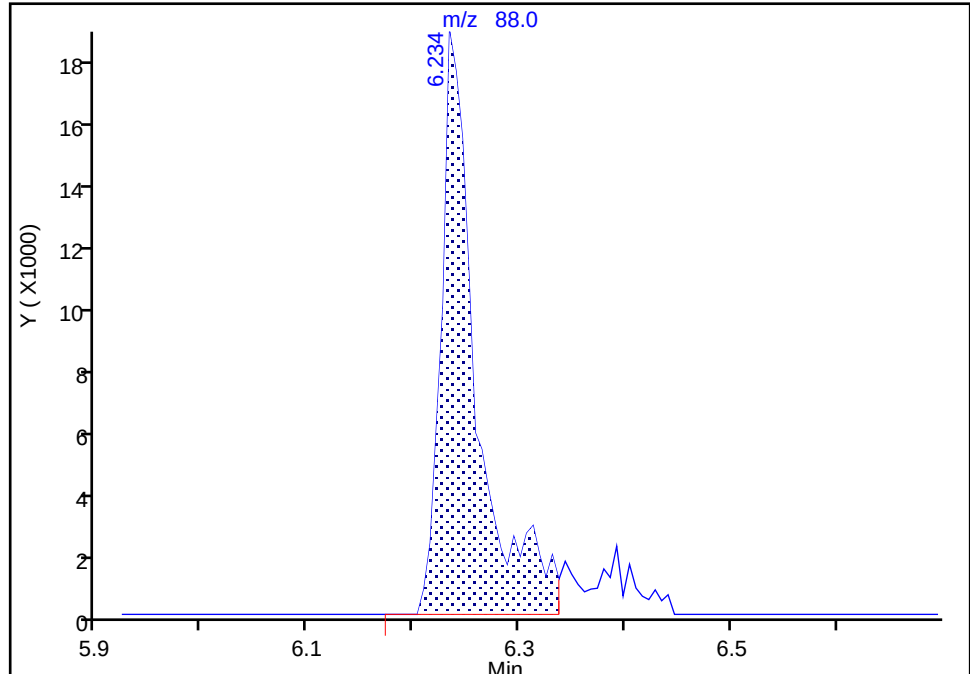
Detector: MS SCAN

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

Signal: 1

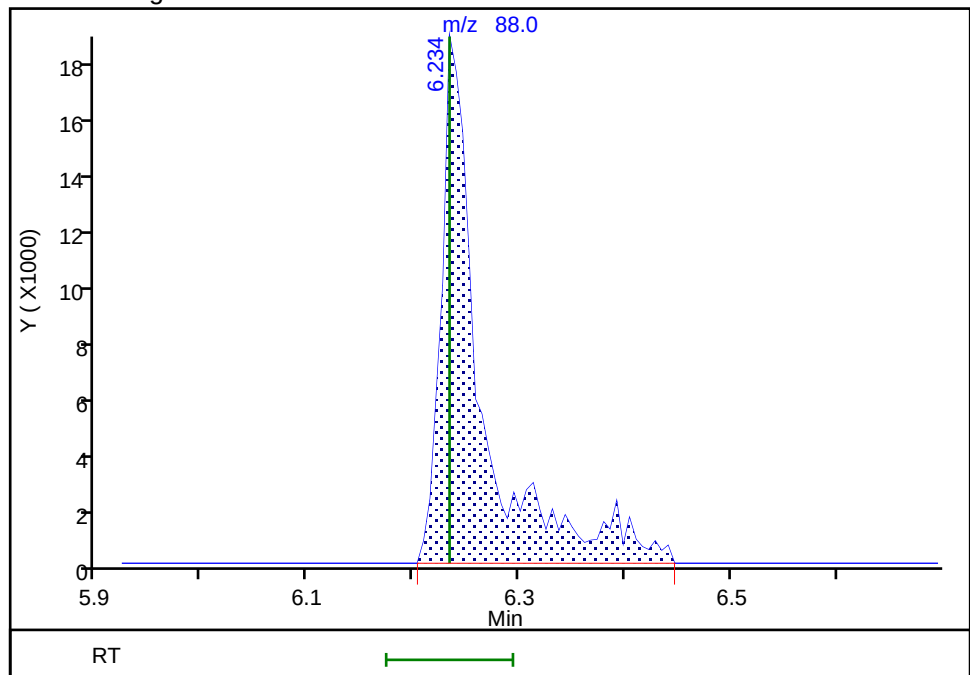
RT: 6.23
Area: 43916
Amount: 734.1709
Amount Units: ug/L

Processing Integration Results



RT: 6.23
Area: 50215
Amount: 837.5696
Amount Units: ug/L

Manual Integration Results



Reviewer: carrolln, 18-Jul-2018 20:01:07

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Lab Sample ID: CCVIS 480-425707/9 Calibration Date: 07/22/2018 09:29

Instrument ID: HP5973S Calib Start Date: 07/19/2018 17:02

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 07/19/2018 19:45

Lab File ID: S3761.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	1.307	1.133	0.1000	21.7	25.0	-13.3	50.0
Chloromethane	Ave	2.148	1.950	0.1000	22.7	25.0	-9.2	20.0
Vinyl chloride	Ave	1.683	1.553	0.1000	23.1	25.0	-7.7	20.0
Butadiene	Ave	1.814	1.687		23.2	25.0	-7.0	20.0
Bromomethane	Ave	0.9606	0.8541	0.1000	22.2	25.0	-11.1	50.0
Chloroethane	Ave	0.9430	0.9452	0.1000	25.1	25.0	0.2	50.0
Trichlorofluoromethane	Ave	1.670	1.528	0.1000	22.9	25.0	-8.5	20.0
Dichlorofluoromethane	Ave	2.170	1.987		22.9	25.0	-8.5	20.0
Ethyl ether	Ave	1.429	1.389		24.3	25.0	-2.7	20.0
Acrolein	Ave	0.2337	0.2008		107	125	-14.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.044	0.8855	0.1000	21.2	25.0	-15.2	20.0
1,1-Dichloroethene	Ave	1.129	1.050	0.1000	23.3	25.0	-6.9	20.0
Acetone	Ave	0.5498	0.5215	0.1000	119	125	-5.1	50.0
Iodomethane	Ave	1.696	1.586		23.4	25.0	-6.5	20.0
Carbon disulfide	Ave	3.366	3.277	0.1000	24.3	25.0	-2.6	20.0
Allyl chloride	Ave	2.093	2.080		24.8	25.0	-0.6	20.0
Methyl acetate	Ave	1.556	1.365	0.1000	43.9	50.0	-12.2	50.0
Methylene Chloride	Lin1		1.359	0.1000	23.8	25.0	-4.7	20.0
2-Methyl-2-propanol	Ave	0.1878	0.1854		247	250	-1.3	50.0
Methyl tert-butyl ether	Ave	4.096	4.125	0.1000	25.2	25.0	0.7	20.0
trans-1,2-Dichloroethene	Ave	1.237	1.250	0.1000	25.3	25.0	1.0	20.0
Acrylonitrile	Ave	0.7901	0.7278		230	250	-7.9	20.0
Hexane	Ave	2.210	2.240		25.3	25.0	1.4	20.0
1,1-Dichloroethane	Ave	2.513	2.455	0.2000	24.4	25.0	-2.3	20.0
Vinyl acetate	Ave	3.347	3.593		53.7	50.0	7.3	20.0
2,2-Dichloropropane	Ave	1.349	1.383		25.6	25.0	2.6	20.0
cis-1,2-Dichloroethene	Ave	1.456	1.449	0.1000	24.9	25.0	-0.5	20.0
2-Butanone (MEK)	Ave	0.8838	0.8447	0.1000	119	125	-4.4	20.0
Chlorobromomethane	Ave	0.7164	0.6951		24.3	25.0	-3.0	20.0
Tetrahydrofuran	Ave	0.6151	0.5944		48.3	50.0	-3.4	20.0
Chloroform	Ave	2.310	2.208	0.2000	23.9	25.0	-4.4	20.0
1,1,1-Trichloroethane	Ave	1.637	1.622	0.1000	24.8	25.0	-0.9	20.0
Cyclohexane	Ave	2.245	2.318	0.1000	25.8	25.0	3.3	20.0
Carbon tetrachloride	Ave	1.447	1.426	0.1000	24.6	25.0	-1.5	20.0
1,1-Dichloropropene	Ave	1.670	1.663		24.9	25.0	-0.4	20.0
Benzene	Ave	5.204	5.181	0.5000	24.9	25.0	-0.5	20.0
Isobutyl alcohol	Ave	0.0910	0.0844		580	625	-7.2	50.0
1,2-Dichloroethane	Ave	2.126	2.000	0.1000	23.5	25.0	-6.0	20.0
n-Heptane	Ave	2.292	2.290		25.0	25.0	-0.0	20.0
Trichloroethene	Ave	1.327	1.287	0.2000	24.3	25.0	-3.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Lab Sample ID: CCVIS 480-425707/9 Calibration Date: 07/22/2018 09:29

Instrument ID: HP5973S Calib Start Date: 07/19/2018 17:02

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 07/19/2018 19:45

Lab File ID: S3761.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	2.170	2.068	0.1000	23.8	25.0	-4.7	20.0
1,2-Dichloropropane	Ave	1.470	1.456	0.1000	24.8	25.0	-0.9	20.0
Dibromomethane	Ave	0.8644	0.8512	0.1000	24.6	25.0	-1.5	20.0
1,4-Dioxane	Ave	0.0082	0.0076		461	500	-7.7	50.0
Bromodichloromethane	Ave	1.628	1.625	0.2000	25.0	25.0	-0.2	20.0
2-Chloroethyl vinyl ether	Ave	1.044	1.048		25.1	25.0	0.4	20.0
cis-1,3-Dichloropropene	Ave	1.829	1.885	0.2000	25.8	25.0	3.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8994	0.8489	0.1000	118	125	-5.6	20.0
Toluene	Ave	1.631	1.545	0.4000	23.7	25.0	-5.3	20.0
trans-1,3-Dichloropropene	Ave	0.8330	0.8401	0.1000	25.2	25.0	0.9	20.0
Ethyl methacrylate	Ave	0.8716	0.8982		25.8	25.0	3.1	20.0
1,1,2-Trichloroethane	Ave	0.5065	0.4885	0.1000	24.1	25.0	-3.6	20.0
Tetrachloroethene	Ave	0.6383	0.6063	0.2000	23.7	25.0	-5.0	20.0
1,3-Dichloropropane	Ave	1.070	1.015		23.7	25.0	-5.2	20.0
2-Hexanone	Ave	0.6669	0.6396	0.1000	120	125	-4.1	20.0
Dibromochloromethane	Ave	0.5776	0.5700	0.1000	24.7	25.0	-1.3	20.0
1,2-Dibromoethane	Ave	0.6525	0.5952		22.8	25.0	-8.8	20.0
Chlorobenzene	Ave	1.821	1.740	0.5000	23.9	25.0	-4.4	20.0
Ethylbenzene	Ave	2.857	2.878	0.1000	25.2	25.0	0.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5802	0.5711		24.6	25.0	-1.6	20.0
m,p-Xylene	Ave	1.146	1.166	0.1000	25.4	25.0	1.8	20.0
o-Xylene	Ave	1.096	1.087	0.3000	24.8	25.0	-0.8	20.0
Styrene	Ave	1.867	1.888	0.3000	25.3	25.0	1.1	20.0
Bromoform	Lin1		0.3354	0.1000	22.5	25.0	-10.2	50.0
Isopropylbenzene	Ave	2.980	3.031	0.1000	25.4	25.0	1.7	20.0
Bromobenzene	Ave	0.8055	0.7588		23.6	25.0	-5.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9465	0.8629	0.3000	22.8	25.0	-8.8	20.0
N-Propylbenzene	Ave	3.573	3.484		24.4	25.0	-2.5	20.0
1,2,3-Trichloropropane	Ave	0.3122	0.2804		22.5	25.0	-10.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2153	0.1188		13.8	25.0	-44.8	50.0
2-Chlorotoluene	Ave	0.7818	0.7034		22.5	25.0	-10.0	20.0
1,3,5-Trimethylbenzene	Ave	2.490	2.577		25.9	25.0	3.5	20.0
4-Chlorotoluene	Ave	0.7773	0.7911		25.4	25.0	1.8	20.0
tert-Butylbenzene	Ave	0.5530	0.5584		25.2	25.0	1.0	20.0
1,2,4-Trimethylbenzene	Ave	2.646	2.696		25.5	25.0	1.9	20.0
sec-Butylbenzene	Ave	3.161	3.144		24.9	25.0	-0.5	20.0
1,3-Dichlorobenzene	Ave	1.483	1.493	0.6000	25.2	25.0	0.7	20.0
4-Isopropyltoluene	Ave	2.645	2.818		26.6	25.0	6.5	20.0
1,4-Dichlorobenzene	Ave	1.593	1.520	0.5000	23.9	25.0	-4.6	20.0
n-Butylbenzene	Ave	2.326	2.473		26.6	25.0	6.3	20.0
1,2-Dichlorobenzene	Ave	1.497	1.448	0.4000	24.2	25.0	-3.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-425707/9 Calibration Date: 07/22/2018 09:29
 Instrument ID: HP5973S Calib Start Date: 07/19/2018 17:02
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 07/19/2018 19:45
 Lab File ID: S3761.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	0.1658	0.1626	0.0500	24.5	25.0	-1.9	50.0
1,2,4-Trichlorobenzene	Ave	1.026	1.065	0.2000	25.9	25.0	3.8	20.0
Hexachlorobutadiene	Ave	0.4624	0.4810		26.0	25.0	4.0	20.0
Naphthalene	Ave	2.792	2.898		25.9	25.0	3.8	20.0
1,2,3-Trichlorobenzene	Ave	0.9799	1.025		26.1	25.0	4.6	20.0
Dibromofluoromethane (Surr)	Ave	1.182	1.218		25.8	25.0	3.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7543	0.7585		25.1	25.0	0.6	20.0
Toluene-d8 (Surr)	Ave	2.225	2.208		24.8	25.0	-0.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6752	0.6730		24.9	25.0	-0.3	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3761.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 22-Jul-2018 09:29:30 ALS Bottle#: 5 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0073273-009
 Operator ID: AM Instrument ID: HP5973S
 Sublist: chrom-S-8260*sub26
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Jul-2018 09:51:39 Calib Date: 20-Jul-2018 00:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3725.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: moffata

Date: 22-Jul-2018 09:51:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	220200	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	464207	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.894	10.894	0.000	93	433206	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	66	268239	25.0	25.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	50	167024	25.0	25.1	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	91	1025098	25.0	24.8	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	88	312419	25.0	24.9	
10 Dichlorodifluoromethane	85	1.288	1.288	0.000	86	249587	25.0	21.7	
12 Chloromethane	50	1.464	1.464	0.000	88	429467	25.0	22.7	
13 Vinyl chloride	62	1.549	1.549	0.000	69	342010	25.0	23.1	
151 Butadiene	54	1.580	1.580	0.000	82	371372	25.0	23.2	
14 Bromomethane	94	1.884	1.884	0.000	91	188080	25.0	22.2	
15 Chloroethane	64	1.981	1.981	0.000	98	208125	25.0	25.1	
17 Trichlorofluoromethane	101	2.194	2.194	0.000	64	336496	25.0	22.9	
16 Dichlorofluoromethane	67	2.206	2.206	0.000	81	437495	25.0	22.9	
18 Ethyl ether	59	2.498	2.498	0.000	94	305929	25.0	24.3	
20 Acrolein	56	2.687	2.687	0.000	95	221058	125.0	107.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.693	2.693	0.000	41	194975	25.0	21.2	M
22 1,1-Dichloroethene	96	2.723	2.723	0.000	87	231313	25.0	23.3	
23 Acetone	43	2.851	2.851	0.000	100	574140	125.0	118.6	
25 Iodomethane	142	2.894	2.894	0.000	99	349337	25.0	23.4	
26 Carbon disulfide	76	2.930	2.930	0.000	98	721699	25.0	24.3	
28 3-Chloro-1-propene	41	3.095	3.095	0.000	89	457982	25.0	24.8	
27 Methyl acetate	43	3.149	3.149	0.000	95	601308	50.0	43.9	
30 Methylene Chloride	84	3.259	3.259	0.000	99	299154	25.0	23.8	
31 2-Methyl-2-propanol	59	3.423	3.423	0.000	94	408219	250.0	246.8	
32 Methyl tert-butyl ether	73	3.454	3.454	0.000	92	908381	25.0	25.2	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	89	275197	25.0	25.3	
33 Acrylonitrile	53	3.539	3.539	0.000	100	1602572	250.0	230.3	
35 Hexane	57	3.666	3.666	0.000	90	493334	25.0	25.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.898	3.898	0.000	84	540546	25.0	24.4	
37 Vinyl acetate	43	3.952	3.952	0.000	97	1582210	50.0	53.7	
44 2,2-Dichloropropane	77	4.421	4.421	0.000	92	304632	25.0	25.6	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	67	319056	25.0	24.9	
43 2-Butanone (MEK)	43	4.494	4.494	0.000	93	930033	125.0	119.5	
48 Chlorobromomethane	128	4.695	4.695	0.000	90	153070	25.0	24.3	
49 Tetrahydrofuran	42	4.713	4.713	0.000	92	261777	50.0	48.3	
50 Chloroform	83	4.774	4.774	0.000	80	486114	25.0	23.9	
51 1,1,1-Trichloroethane	97	4.883	4.883	0.000	83	357102	25.0	24.8	
52 Cyclohexane	56	4.883	4.883	0.000	91	510401	25.0	25.8	
55 Carbon tetrachloride	117	5.017	5.017	0.000	88	313999	25.0	24.6	
54 1,1-Dichloropropene	75	5.035	5.035	0.000	94	366205	25.0	24.9	
57 Benzene	78	5.242	5.242	0.000	96	1140752	25.0	24.9	
53 Isobutyl alcohol	43	5.266	5.266	0.000	95	464828	625.0	580.2	
58 1,2-Dichloroethane	62	5.315	5.315	0.000	79	440340	25.0	23.5	
59 n-Heptane	43	5.412	5.412	0.000	93	504251	25.0	25.0	
62 Trichloroethene	95	5.850	5.850	0.000	96	283432	25.0	24.3	
64 Methylcyclohexane	83	5.966	5.966	0.000	92	455365	25.0	23.8	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	92	320636	25.0	24.8	
67 Dibromomethane	93	6.234	6.234	0.000	88	187427	25.0	24.6	
66 1,4-Dioxane	88	6.240	6.240	0.000	38	70261	500.0	461.4	M
68 Dichlorobromomethane	83	6.386	6.386	0.000	92	357810	25.0	25.0	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	92	230752	25.0	25.1	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	87	415128	25.0	25.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.952	0.000	96	1970277	125.0	118.0	
74 Toluene	92	7.091	7.091	0.000	94	717245	25.0	23.7	
77 trans-1,3-Dichloropropene	75	7.377	7.377	0.000	92	389996	25.0	25.2	
75 Ethyl methacrylate	69	7.414	7.414	0.000	91	416948	25.0	25.8	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	88	226766	25.0	24.1	
81 Tetrachloroethene	166	7.621	7.621	0.000	83	281444	25.0	23.7	
82 1,3-Dichloropropane	76	7.730	7.730	0.000	94	471003	25.0	23.7	
80 2-Hexanone	43	7.791	7.791	0.000	92	1484531	125.0	119.9	
83 Chlorodibromomethane	129	7.968	7.968	0.000	89	264603	25.0	24.7	
84 Ethylene Dibromide	107	8.071	8.071	0.000	96	276282	25.0	22.8	
87 Chlorobenzene	112	8.539	8.539	0.000	93	807600	25.0	23.9	
88 Ethylbenzene	91	8.631	8.631	0.000	99	1335819	25.0	25.2	
89 1,1,1,2-Tetrachloroethane	131	8.637	8.637	0.000	41	265114	25.0	24.6	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	99	541207	25.0	25.4	
91 o-Xylene	106	9.178	9.178	0.000	97	504392	25.0	24.8	
92 Styrene	104	9.209	9.209	0.000	93	876510	25.0	25.3	
95 Bromoform	173	9.470	9.470	0.000	96	155691	25.0	22.5	
94 Isopropylbenzene	105	9.561	9.561	0.000	96	1313010	25.0	25.4	
101 Bromobenzene	156	9.908	9.908	0.000	96	328727	25.0	23.6	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	80	373807	25.0	22.8	
99 N-Propylbenzene	91	9.987	9.987	0.000	98	1509187	25.0	24.4	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	68	121485	25.0	22.5	
98 trans-1,4-Dichloro-2-buten	53	10.018	10.018	0.000	44	51478	25.0	13.8	
103 2-Chlorotoluene	126	10.091	10.091	0.000	96	304695	25.0	22.5	
102 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	94	1116326	25.0	25.9	
105 4-Chlorotoluene	126	10.200	10.200	0.000	88	342727	25.0	25.4	
106 tert-Butylbenzene	134	10.480	10.480	0.000	92	241891	25.0	25.2	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	42	1167787	25.0	25.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.687	10.687	0.000	94	1361989	25.0	24.9	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	71	646969	25.0	25.2	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	97	1220590	25.0	26.6	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	91	658578	25.0	23.9	
115 n-Butylbenzene	91	11.210	11.210	0.000	95	1071510	25.0	26.6	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	92	627200	25.0	24.2	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	76	70449	25.0	24.5	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	94	461212	25.0	25.9	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	94	208384	25.0	26.0	
121 Naphthalene	128	12.877	12.877	0.000	97	1255283	25.0	25.9	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	95	443868	25.0	26.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128	Amount Added: 12.50	Units: uL	
GAS CORP mix_00291	Amount Added: 12.50	Units: uL	
S_8260_IS_00294	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00276	Amount Added: 1.00	Units: uL	Run Reagent

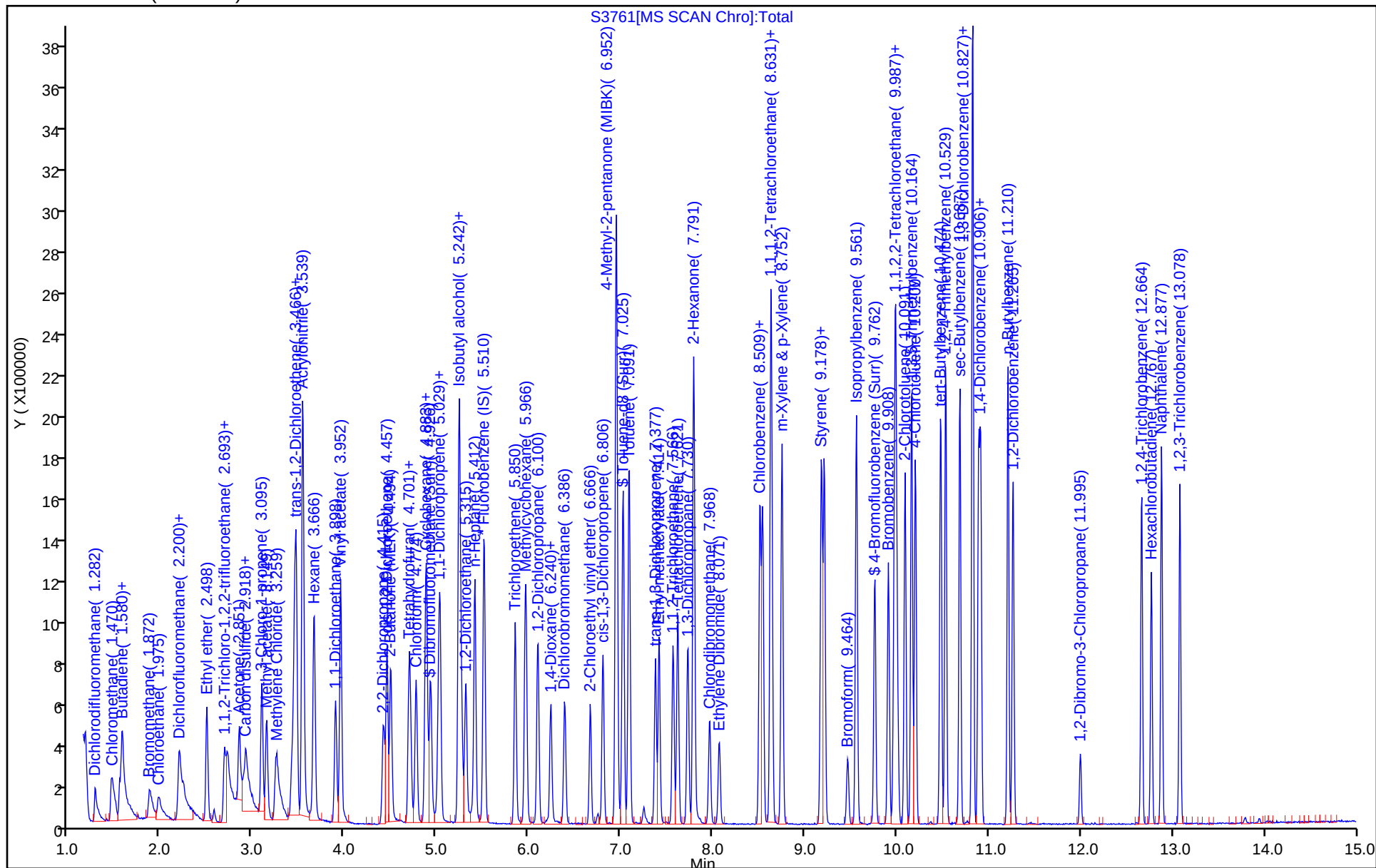
Operator ID: AM

Worklist Smp#: 9

ALS Bottle#: 5

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3761.D

Injection Date: 22-Jul-2018 09:29:30

Instrument ID: HP5973S

Lims ID: CCVIS

Client ID:

Operator ID: AM

ALS Bottle#:

5

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

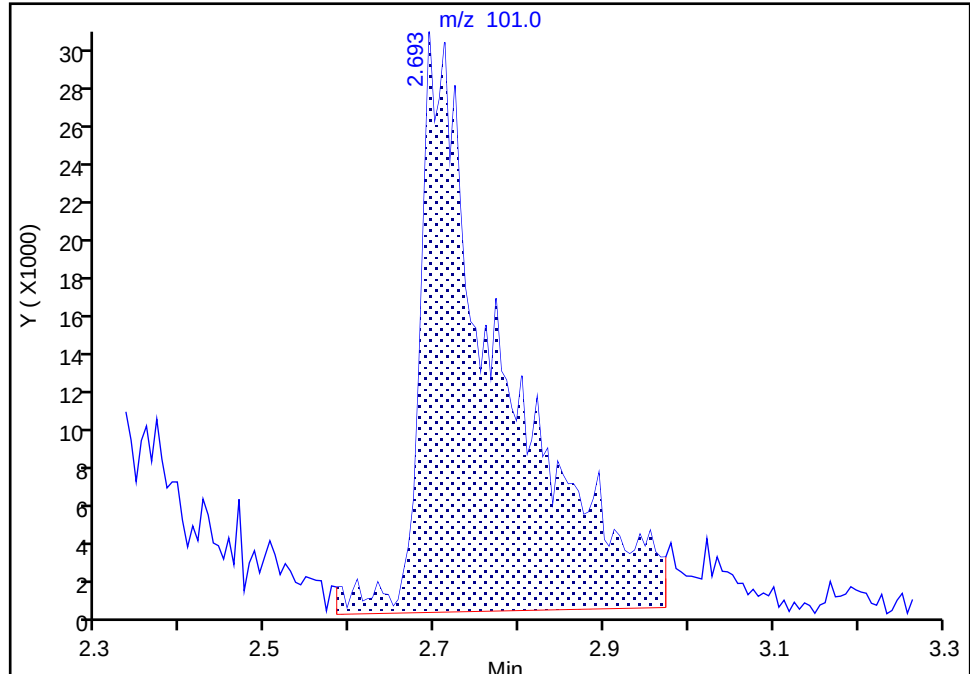
Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

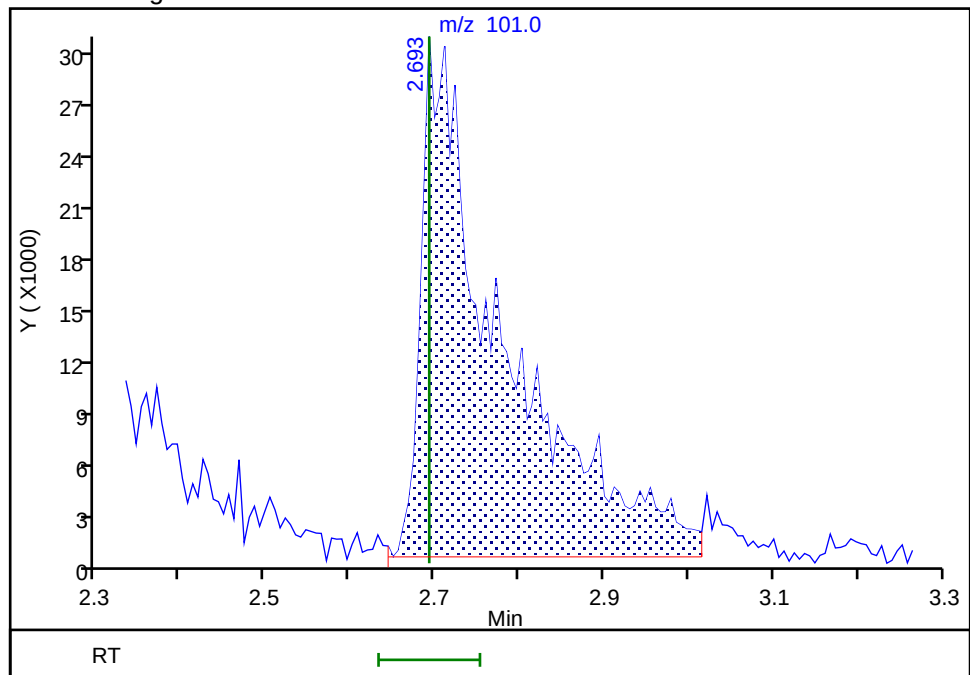
RT: 2.69
Area: 197964
Amount: 21.533949
Amount Units: ug/L

Processing Integration Results



RT: 2.69
Area: 194975
Amount: 21.208814
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 22-Jul-2018 09:50:46

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3761.D

Injection Date: 22-Jul-2018 09:29:30

Instrument ID: HP5973S

Lims ID: CCVIS

Client ID:

Operator ID: AM

ALS Bottle#:

5

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

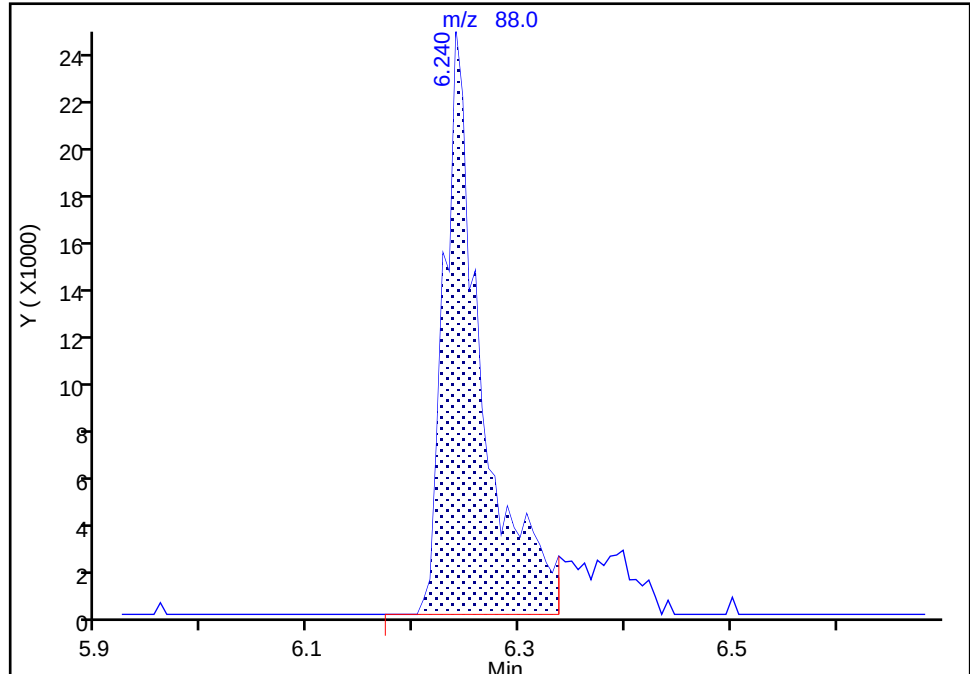
Detector: MS SCAN

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

Signal: 1

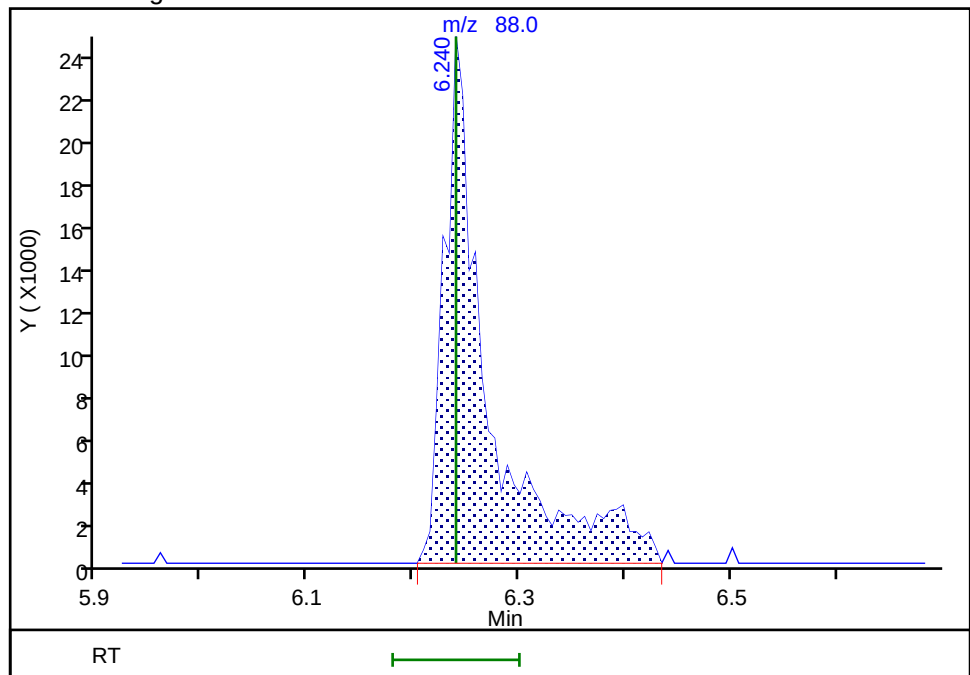
RT: 6.24
Area: 60012
Amount: 394.1347
Amount Units: ug/L

Processing Integration Results



RT: 6.24
Area: 70261
Amount: 461.4460
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 22-Jul-2018 09:51:03

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0607.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 15-Jun-2018 12:58:30 ALS Bottle#: 1 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0072372-005
Operator ID: LH Instrument ID: HP5973N
Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Jun-2018 12:44:38 Calib Date: 15-Jun-2018 21:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: HillL

Date: 15-Jun-2018 13:08:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
\$ 4 BFB	95	4.242	4.242	0.000	90	342908	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

BFB_WRK_00071

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0607.D

Injection Date: 15-Jun-2018 12:58:30

Instrument ID: HP5973N

Lims ID: BFB

Client ID:

Operator ID: LH

ALS Bottle#: 1 Worklist Smp#: 5

Injection Vol: 1.0 uL

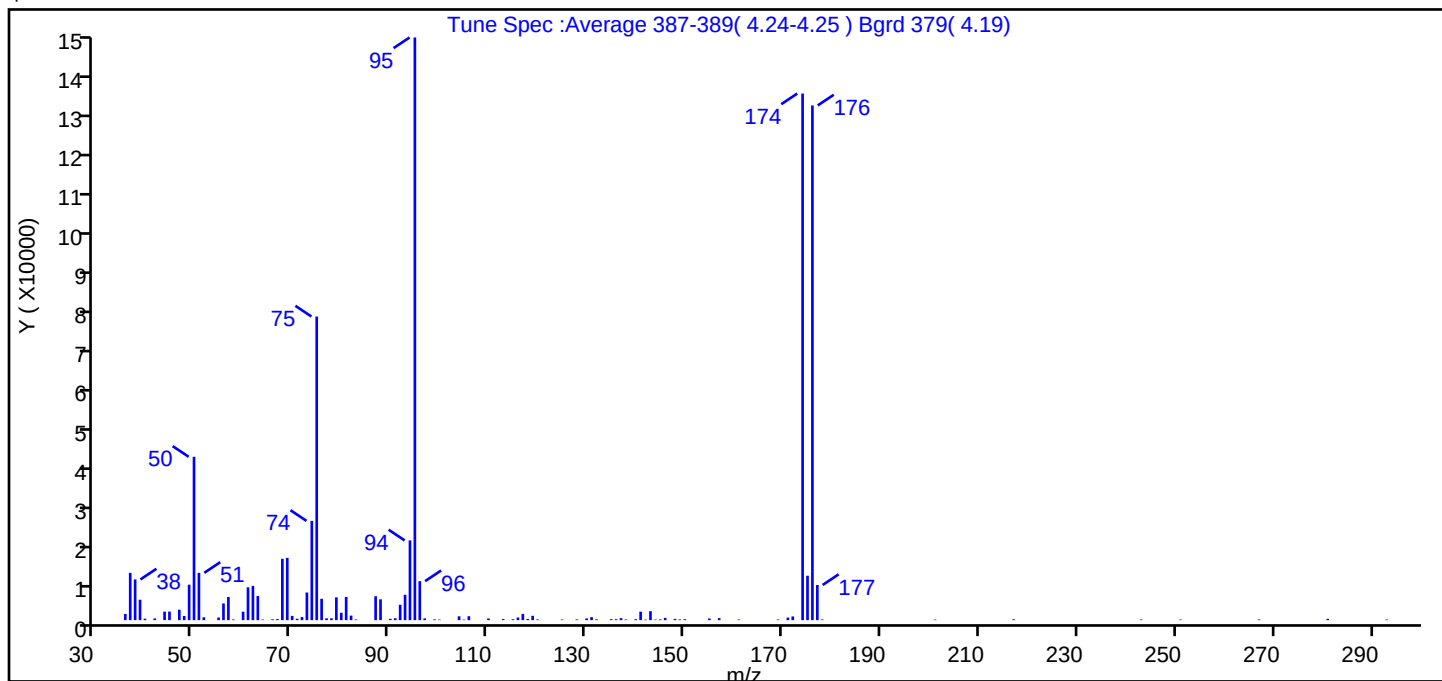
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	28.0
75	30 to 60% of m/z 95	52.1
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	90.4
175	5 to 9% of m/z 174	7.6 (8.4)
176	Greater than 95% but less than 101% of m/z 174	88.3 (97.7)
177	5 to 9% of m/z 176	6.0 (6.8)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0607.D\N-8260.rslt\spectra.d
Injection Date: 15-Jun-2018 12:58:30
Spectrum: Tune Spec :Average 387-389(4.24-4.25) Bgrd 379(4.19)
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	1524	69.00	15405	100.00	133	145.00	183
37.00	11702	70.00	1055	104.00	954	146.00	550
38.00	10079	71.00	344	105.00	137	148.00	309
39.00	5054	72.00	756	106.00	974	149.00	182
40.00	367	73.00	6840	110.00	406	150.00	228
42.00	422	74.00	24568	113.00	263	155.00	400
44.00	2111	75.00	75144	115.00	221	157.00	495
45.00	2120	76.00	5289	116.00	658	161.00	149
47.00	2579	77.00	457	117.00	1545	169.00	159
48.00	1036	78.00	441	118.00	303	171.00	640
49.00	8779	79.00	5642	119.00	1073	172.00	917
50.00	40424	80.00	1832	120.00	176	174.00	130320
51.00	11706	81.00	5737	125.00	153	175.00	10993
52.00	711	82.00	1123	128.00	179	176.00	127376
55.00	653	83.00	152	130.00	429	177.00	8705
56.00	4135	87.00	5917	131.00	748	178.00	166
57.00	5726	88.00	5155	132.00	189	201.00	137
58.00	169	90.00	325	135.00	238	217.00	208
60.00	2098	91.00	471	136.00	231	243.00	165
61.00	8127	92.00	3810	137.00	487	251.00	145
62.00	8471	93.00	6277	138.00	170	267.00	175
63.00	5974	94.00	19736	140.00	242	281.00	325
64.00	140	95.00	144192	141.00	2093	293.00	154
66.00	200	96.00	9651	142.00	135		
67.00	264	97.00	429	143.00	2218		
68.00	15175	99.00	193	144.00	139		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1473.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 15-Jul-2018 08:38:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0073087-002
Operator ID: AM Instrument ID: HP5973N
Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 15-Jul-2018 08:46:48 Calib Date: 15-Jun-2018 21:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: moffata

Date: 15-Jul-2018 08:46:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
\$ 4 BFB	95	2.903	2.903	0.000	95	932908	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

BFB_WRK_00072

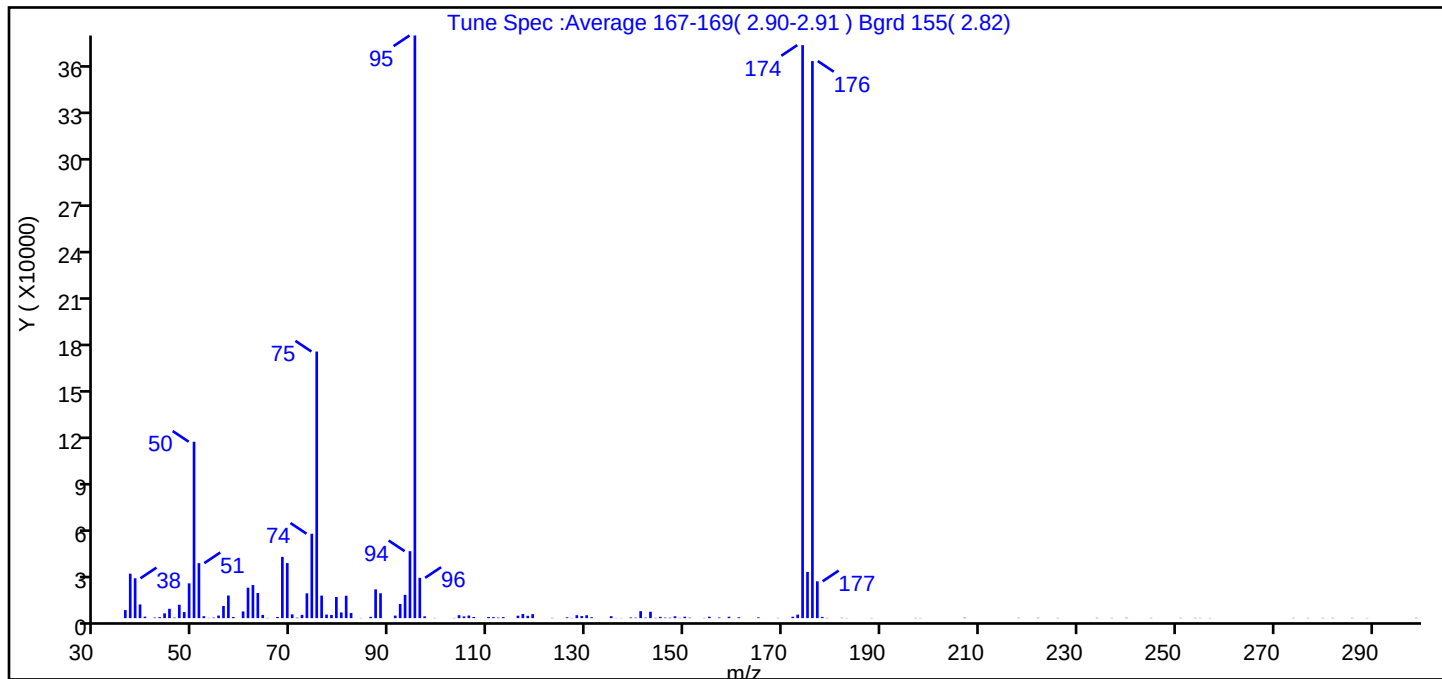
Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1473.D
Injection Date: 15-Jul-2018 08:38:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: AM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	30.3
75	30 to 60% of m/z 95	45.8
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.6 (0.6)
174	50 to 120% of m/z 95	98.3
175	5 to 9% of m/z 174	7.9 (8.1)
176	Greater than 95% but less than 101% of m/z 174	95.6 (97.2)
177	5 to 9% of m/z 176	6.3 (6.6)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1473.D\N-8260.rslt\spectra.d
Injection Date: 15-Jul-2018 08:38:30
Spectrum: Tune Spec :Average 167-169(2.90-2.91) Bgrd 155(2.82)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 131

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5184	72.00	2090	117.00	2650	172.00	919
37.00	28608	73.00	15980	118.00	1492	173.00	2264
38.00	25648	74.00	54320	119.00	2569	174.00	368640
39.00	8794	75.00	171520	123.00	194	175.00	29752
40.00	971	76.00	14501	126.00	535	176.00	358400
42.00	369	77.00	2324	127.00	140	177.00	23704
43.00	625	78.00	2058	128.00	1891	178.00	809
44.00	3074	79.00	13643	129.00	1329	179.00	170
45.00	6023	80.00	3677	130.00	1861	182.00	196
46.00	332	81.00	14401	131.00	590	183.00	134
47.00	8606	82.00	3291	135.00	1261	188.00	137
48.00	3921	84.00	140	136.00	138	197.00	163
49.00	22384	86.00	861	137.00	91	198.00	134
50.00	113488	87.00	18512	139.00	446	207.00	276
51.00	35376	88.00	16007	140.00	296	218.00	199
52.00	1257	91.00	1631	141.00	4479	222.00	214
53.00	159	92.00	9120	142.00	350	226.00	150
54.00	326	93.00	14997	143.00	4097	234.00	198
55.00	1656	94.00	43088	144.00	192	237.00	160
56.00	7829	95.00	374848	145.00	828	240.00	211
57.00	14563	96.00	25936	146.00	351	245.00	158
58.00	740	97.00	1169	147.00	302	251.00	171
60.00	4319	99.00	145	148.00	1184	254.00	187
61.00	19576	103.00	139	149.00	163	255.00	149
62.00	21296	104.00	1906	150.00	922	257.00	134
63.00	16185	105.00	1115	151.00	287	274.00	174
64.00	2056	106.00	1690	154.00	145	277.00	153
65.00	161	107.00	744	155.00	913	280.00	182
67.00	782	110.00	770	157.00	408	282.00	179
68.00	39424	111.00	649	159.00	910	286.00	178
69.00	35416	112.00	317	161.00	557	289.00	136
70.00	2414	113.00	683	165.00	490	299.00	187
71.00	312	116.00	1574	169.00	152		

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5184	72.00	2090	117.00	2650	172.00	919
37.00	28608	73.00	15980	118.00	1492	173.00	2264
38.00	25648	74.00	54320	119.00	2569	174.00	368640
39.00	8794	75.00	171520	123.00	194	175.00	29752
40.00	971	76.00	14501	126.00	535	176.00	358400
42.00	369	77.00	2324	127.00	140	177.00	23704
43.00	625	78.00	2058	128.00	1891	178.00	809
44.00	3074	79.00	13643	129.00	1329	179.00	170
45.00	6023	80.00	3677	130.00	1861	182.00	196
46.00	332	81.00	14401	131.00	590	183.00	134
47.00	8606	82.00	3291	135.00	1261	188.00	137
48.00	3921	84.00	140	136.00	138	197.00	163
49.00	22384	86.00	861	137.00	91	198.00	134
50.00	113488	87.00	18512	139.00	446	207.00	276
51.00	35376	88.00	16007	140.00	296	218.00	199
52.00	1257	91.00	1631	141.00	4479	222.00	214
53.00	159	92.00	9120	142.00	350	226.00	150
54.00	326	93.00	14997	143.00	4097	234.00	198
55.00	1656	94.00	43088	144.00	192	237.00	160
56.00	7829	95.00	374848	145.00	828	240.00	211
57.00	14563	96.00	25936	146.00	351	245.00	158
58.00	740	97.00	1169	147.00	302	251.00	171
60.00	4319	99.00	145	148.00	1184	254.00	187
61.00	19576	103.00	139	149.00	163	255.00	149
62.00	21296	104.00	1906	150.00	922	257.00	134
63.00	16185	105.00	1115	151.00	287	274.00	174
64.00	2056	106.00	1690	154.00	145	277.00	153
65.00	161	107.00	744	155.00	913	280.00	182
67.00	782	110.00	770	157.00	408	282.00	179
68.00	39424	111.00	649	159.00	910	286.00	178
69.00	35416	112.00	317	161.00	557	289.00	136
70.00	2414	113.00	683	165.00	490	299.00	187
71.00	312	116.00	1574	169.00	152		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N1500.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 16-Jul-2018 07:59:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0073094-002
Operator ID: AM Instrument ID: HP5973N
Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-Jul-2018 17:18:24 Calib Date: 15-Jun-2018 21:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK007

First Level Reviewer: moffata

Date: 16-Jul-2018 08:10:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
\$ 4 BFB	95	2.909	2.909	0.000	95	885168	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

BFB_WRK_00072

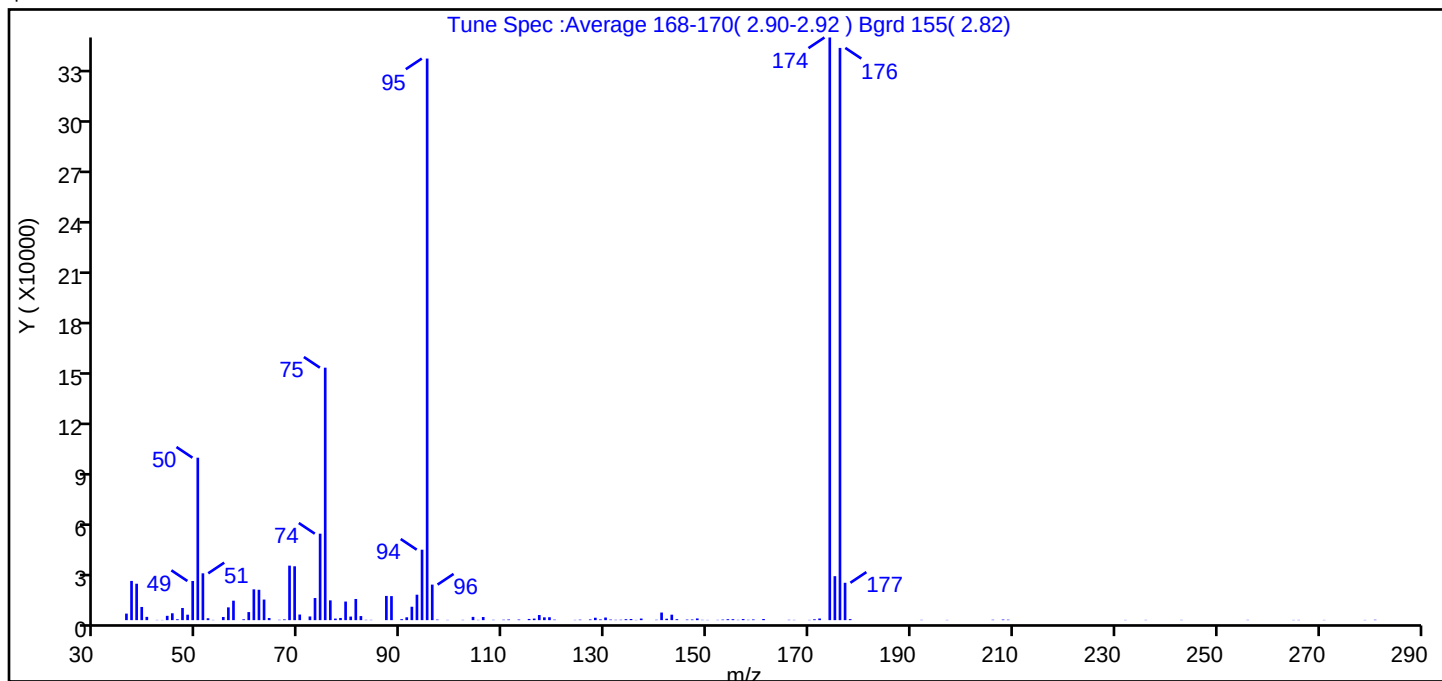
Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N1500.D
Injection Date: 16-Jul-2018 07:59:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: AM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	28.9
75	30 to 60% of m/z 95	45.0
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	103.8
175	5 to 9% of m/z 174	7.8 (7.5)
176	Greater than 95% but less than 101% of m/z 174	101.9 (98.2)
177	5 to 9% of m/z 176	6.7 (6.5)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N1500.D\N-8260.rslt\spectra.d
Injection Date: 16-Jul-2018 07:59:30
Spectrum: Tune Spec :Average 168-170(2.90-2.92) Bgrd 155(2.82)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 125

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3893	73.00	13164	116.00	926	156.00	178
37.00	23344	74.00	51464	117.00	3053	157.00	643
38.00	21672	75.00	150272	118.00	1674	158.00	195
39.00	7843	76.00	11775	119.00	1729	159.00	410
40.00	1953	77.00	926	120.00	295	161.00	662
42.00	143	78.00	1297	124.00	151	166.00	200
43.00	120	79.00	11070	125.00	288	167.00	149
44.00	2572	80.00	2121	127.00	428	170.00	144
45.00	4087	81.00	12595	128.00	1432	171.00	505
46.00	521	82.00	2420	129.00	447	172.00	971
47.00	7234	83.00	197	130.00	1556	174.00	346816
48.00	3241	84.00	166	131.00	343	175.00	26176
49.00	23304	87.00	14417	132.00	206	176.00	340608
50.00	96688	88.00	14312	133.00	243	177.00	22248
51.00	27864	90.00	581	134.00	559	178.00	603
52.00	1123	91.00	1699	135.00	675	192.00	168
53.00	139	92.00	7977	136.00	135	197.00	142
55.00	1877	93.00	15136	137.00	945	206.00	241
56.00	7604	94.00	41936	140.00	222	208.00	355
57.00	11580	95.00	334272	141.00	4525	209.00	271
59.00	507	96.00	21152	142.00	830	232.00	137
60.00	4801	97.00	331	143.00	3256	236.00	151
61.00	18336	99.00	142	144.00	559	243.00	150
62.00	18072	102.00	165	146.00	340	256.00	160
63.00	12257	104.00	1935	147.00	375	265.00	134
64.00	1269	105.00	159	148.00	1001	266.00	146
66.00	207	106.00	1857	149.00	182	271.00	136
67.00	436	108.00	191	150.00	141	279.00	134
68.00	32440	110.00	252	152.00	164	281.00	234
69.00	32056	111.00	391	153.00	319		
70.00	3336	113.00	365	154.00	554		
72.00	2191	115.00	707	155.00	568		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N1527.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 16-Jul-2018 20:00:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0073127-002
Operator ID: AEM Instrument ID: HP5973N
Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Jul-2018 12:09:01 Calib Date: 15-Jun-2018 21:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: milligana

Date: 16-Jul-2018 20:23:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
\$ 4 BFB	95	2.897	2.897	0.000	95	644859	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

BFB_WRK_00072

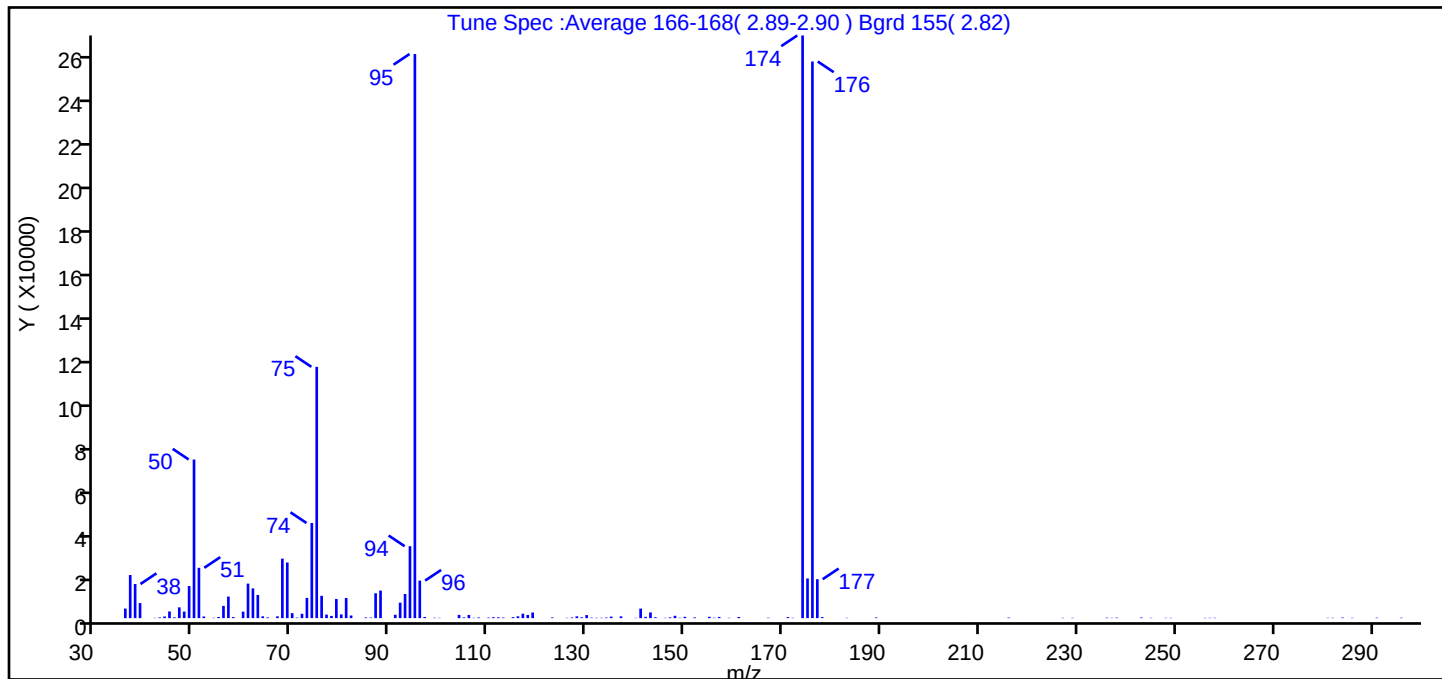
Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N1527.D
Injection Date: 16-Jul-2018 20:00:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: AEM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	28.1
75	30 to 60% of m/z 95	44.5
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	103.3
175	5 to 9% of m/z 174	7.0 (6.8)
176	Greater than 95% but less than 101% of m/z 174	98.7 (95.5)
177	5 to 9% of m/z 176	6.9 (7.0)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N1527.D\N-8260.rslt\spectra.d
Injection Date: 16-Jul-2018 20:00:30
Spectrum: Tune Spec :Average 166-168(2.89-2.90) Bgrd 155(2.82)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 127

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4322	73.00	9152	115.00	454	161.00	521
37.00	19496	74.00	43008	116.00	834	167.00	203
38.00	15426	75.00	113584	117.00	2023	171.00	465
39.00	6820	76.00	10088	118.00	1434	172.00	154
42.00	144	77.00	1612	119.00	2555	174.00	263360
43.00	311	78.00	1013	123.00	322	175.00	17936
44.00	749	79.00	8665	126.00	142	176.00	251584
45.00	3023	80.00	1693	127.00	292	177.00	17592
46.00	348	81.00	9127	128.00	824	178.00	459
47.00	4872	82.00	1189	129.00	359	183.00	143
48.00	2975	85.00	316	130.00	1382	189.00	304
49.00	14514	86.00	243	131.00	220	207.00	14
50.00	71704	87.00	11246	132.00	163	216.00	246
51.00	22752	88.00	12467	133.00	158	227.00	150
52.00	758	91.00	1533	134.00	275	229.00	145
54.00	154	92.00	6995	135.00	689	236.00	217
55.00	515	93.00	10926	137.00	809	237.00	138
56.00	5538	94.00	32520	140.00	136	238.00	221
57.00	9742	95.00	254976	141.00	4309	243.00	276
58.00	477	96.00	16960	142.00	572	245.00	144
60.00	2935	97.00	518	143.00	2589	248.00	143
61.00	15610	99.00	189	144.00	391	249.00	137
62.00	13447	100.00	139	146.00	144	256.00	140
63.00	10464	104.00	1465	147.00	350	257.00	160
64.00	817	105.00	336	148.00	1063	258.00	163
65.00	330	106.00	1428	149.00	166	281.00	143
67.00	823	107.00	148	150.00	591	282.00	149
68.00	26896	108.00	303	152.00	344	284.00	257
69.00	25152	110.00	244	155.00	609	286.00	151
70.00	2259	111.00	427	156.00	196	291.00	209
71.00	231	112.00	376	157.00	554	296.00	194
72.00	1964	113.00	273	159.00	163		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1554.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 17-Jul-2018 08:32:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0073134-003
Operator ID: AM Instrument ID: HP5973N
Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-Jul-2018 08:43:29 Calib Date: 15-Jun-2018 21:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK003

First Level Reviewer: moffata

Date: 17-Jul-2018 08:43:29

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

\$ 4 BFB	95	2.903	2.903	0.000	94	742794	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

BFB_WRK_00072

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1554.D

Injection Date: 17-Jul-2018 08:32:30

Instrument ID: HP5973N

Lims ID: BFB

Client ID:

Operator ID: AM

ALS Bottle#: 1 Worklist Smp#: 2

Injection Vol: 1.0 uL

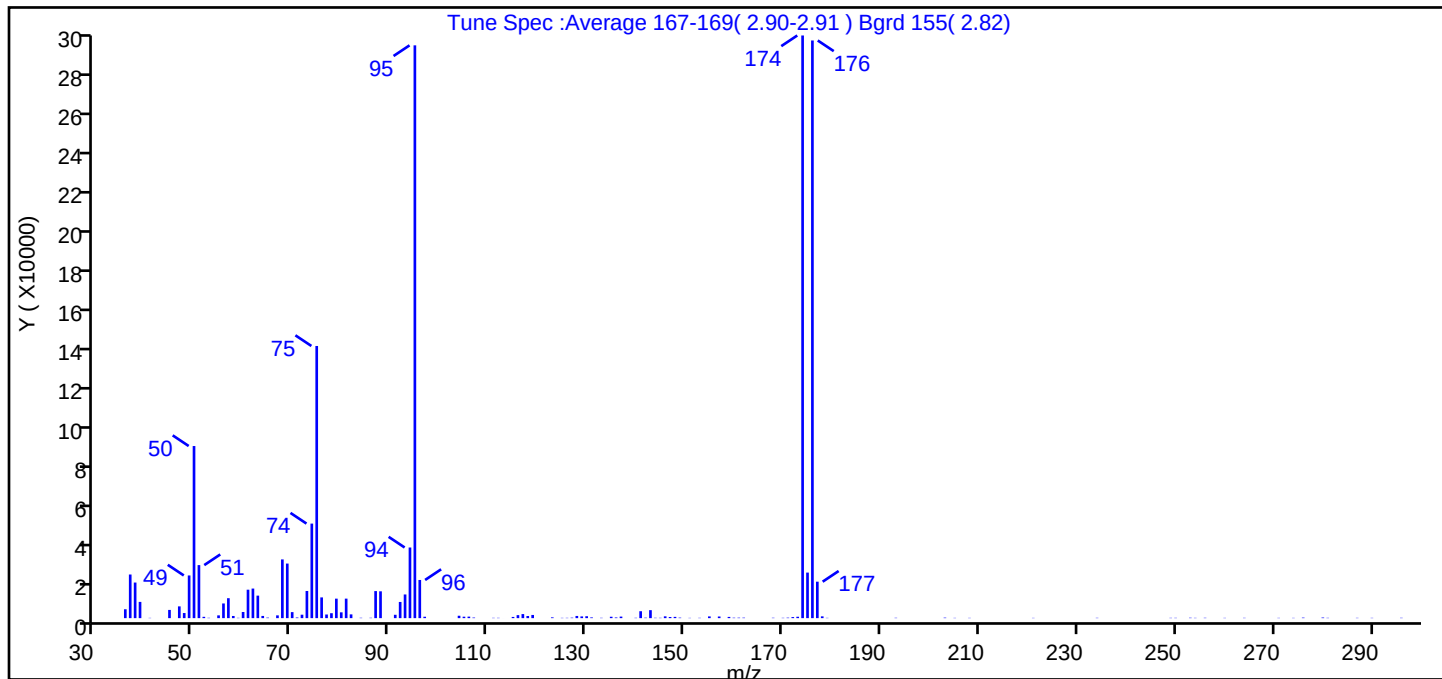
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	30.0
75	30 to 60% of m/z 95	47.5
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.2 (0.2)
174	50 to 120% of m/z 95	101.7
175	5 to 9% of m/z 174	8.0 (7.8)
176	Greater than 95% but less than 101% of m/z 174	100.9 (99.1)
177	5 to 9% of m/z 176	6.4 (6.3)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1554.D\N-8260.rslt\spectra.d
Injection Date: 17-Jul-2018 08:32:30
Spectrum: Tune Spec :Average 167-169(2.90-2.91) Bgrd 155(2.82)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 125

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4553	75.00	139456	125.00	151	172.00	548
37.00	22360	76.00	10627	126.00	161	173.00	712
38.00	18240	77.00	1868	127.00	245	174.00	298560
39.00	8324	78.00	2529	128.00	1119	175.00	23344
41.00	138	79.00	9989	129.00	883	176.00	296000
45.00	4215	80.00	2977	130.00	981	177.00	18680
47.00	6030	81.00	10000	131.00	372	178.00	916
48.00	2624	82.00	1930	133.00	171	179.00	146
49.00	21872	84.00	185	135.00	716	193.00	182
50.00	88192	86.00	189	136.00	343	203.00	250
51.00	27176	87.00	13861	137.00	794	205.00	139
52.00	675	88.00	13747	140.00	172	208.00	142
53.00	167	91.00	1723	141.00	3546	221.00	136
55.00	1423	92.00	8292	142.00	237	234.00	167
56.00	7526	93.00	12134	143.00	4090	249.00	157
57.00	10218	94.00	36200	144.00	188	250.00	161
58.00	1107	95.00	293504	145.00	170	253.00	210
59.00	158	96.00	19560	146.00	919	254.00	150
60.00	3147	97.00	718	147.00	578	256.00	183
61.00	14576	104.00	1227	148.00	651	260.00	141
62.00	15158	105.00	738	149.00	254	264.00	159
63.00	11534	106.00	779	151.00	137	271.00	144
64.00	1130	107.00	297	153.00	160	274.00	140
65.00	263	111.00	159	155.00	884	276.00	263
67.00	1426	112.00	161	157.00	840	280.00	306
68.00	30088	113.00	6	159.00	633	281.00	161
69.00	27968	115.00	616	160.00	225	287.00	156
70.00	3087	116.00	1537	161.00	242	290.00	151
71.00	330	117.00	2081	162.00	243	296.00	177
72.00	1762	118.00	1090	168.00	194		
73.00	13914	119.00	1632	170.00	167		
74.00	48448	123.00	397	171.00	248		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1646.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 19-Jul-2018 14:30:30 ALS Bottle#: 39 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0073222-005
Operator ID: LH Instrument ID: HP5973N
Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Jul-2018 12:15:44 Calib Date: 19-Jul-2018 23:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: HillL

Date: 19-Jul-2018 14:39:22

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

\$ 4 BFB	95	2.934	2.934	0.000	91	415275	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00072

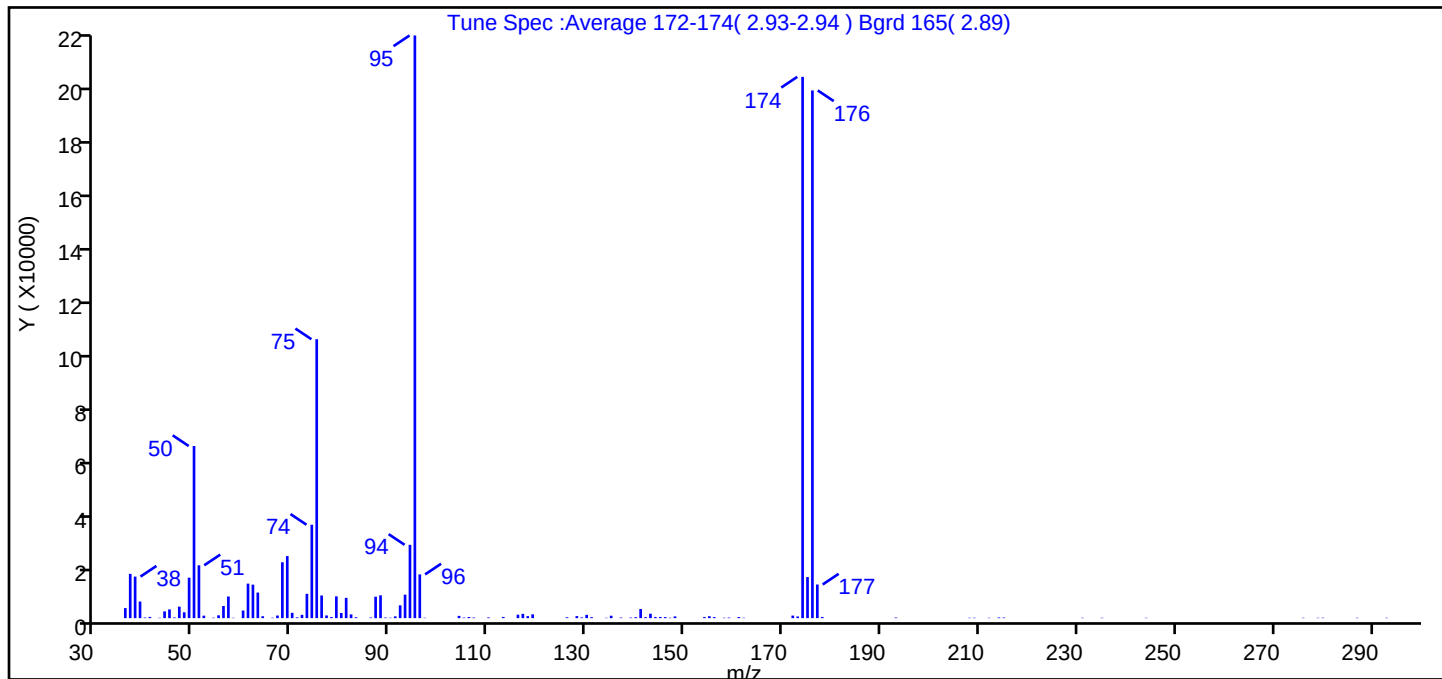
Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1646.D
Injection Date: 19-Jul-2018 14:30:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 39 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	29.5
75	30 to 60% of m/z 95	47.9
96	5 to 9% of m/z 95	7.5
173	Less than 2% of m/z 174	0.3 (0.3)
174	50 to 120% of m/z 95	92.9
175	5 to 9% of m/z 174	7.0 (7.6)
176	Greater than 95% but less than 101% of m/z 174	90.6 (97.5)
177	5 to 9% of m/z 176	5.8 (6.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1646.D\N-8260.rslt\spectra.d
Injection Date: 19-Jul-2018 14:30:30
Spectrum: Tune Spec :Average 172-174(2.93-2.94) Bgrd 165(2.89)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 112

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3653	68.00	20312	104.00	820	154.00	375
37.00	16080	69.00	22544	105.00	198	155.00	700
38.00	15093	70.00	1923	106.00	402	156.00	376
39.00	6031	71.00	287	107.00	222	158.00	149
40.00	217	72.00	1197	110.00	262	159.00	213
41.00	448	73.00	8841	113.00	437	161.00	398
43.00	134	74.00	33944	116.00	1258	162.00	142
44.00	2457	75.00	101352	117.00	1563	172.00	929
45.00	3173	76.00	8229	118.00	726	173.00	608
46.00	253	77.00	985	119.00	1386	174.00	196672
47.00	4174	78.00	389	126.00	311	175.00	14925
48.00	2124	79.00	7912	128.00	748	176.00	191744
49.00	14695	80.00	1867	129.00	251	177.00	12226
50.00	62544	81.00	7372	130.00	1197	178.00	423
51.00	19208	82.00	1366	131.00	353	193.00	223
52.00	899	83.00	321	134.00	145	208.00	133
54.00	161	86.00	222	135.00	878	209.00	150
55.00	1033	87.00	7789	137.00	207	212.00	134
56.00	4406	88.00	8290	139.00	206	214.00	254
57.00	7866	89.00	219	140.00	341	215.00	214
58.00	133	90.00	143	141.00	3330	231.00	143
60.00	2766	91.00	641	142.00	356	235.00	150
61.00	12543	92.00	4658	143.00	1603	244.00	135
62.00	12169	93.00	8525	144.00	388	276.00	140
63.00	9298	94.00	26640	145.00	422	279.00	140
64.00	686	95.00	211712	146.00	391	280.00	156
66.00	155	96.00	15894	147.00	150	287.00	148
67.00	957	97.00	144	148.00	640	293.00	146

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1701.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 21-Jul-2018 21:33:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0073271-002
Operator ID: LH Instrument ID: HP5973N
Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Jul-2018 21:44:48 Calib Date: 19-Jul-2018 23:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK033

First Level Reviewer: HillL

Date: 21-Jul-2018 21:44:48

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

\$ 4 BFB	95	2.934	2.934	0.000	94	502869	NR	NR	a

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

a - User Assigned ID

Reagents:

BFB_WRK_00072

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1701.D

Injection Date: 21-Jul-2018 21:33:30

Instrument ID: HP5973N

Lims ID: BFB

Client ID:

Operator ID: LH

ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 uL

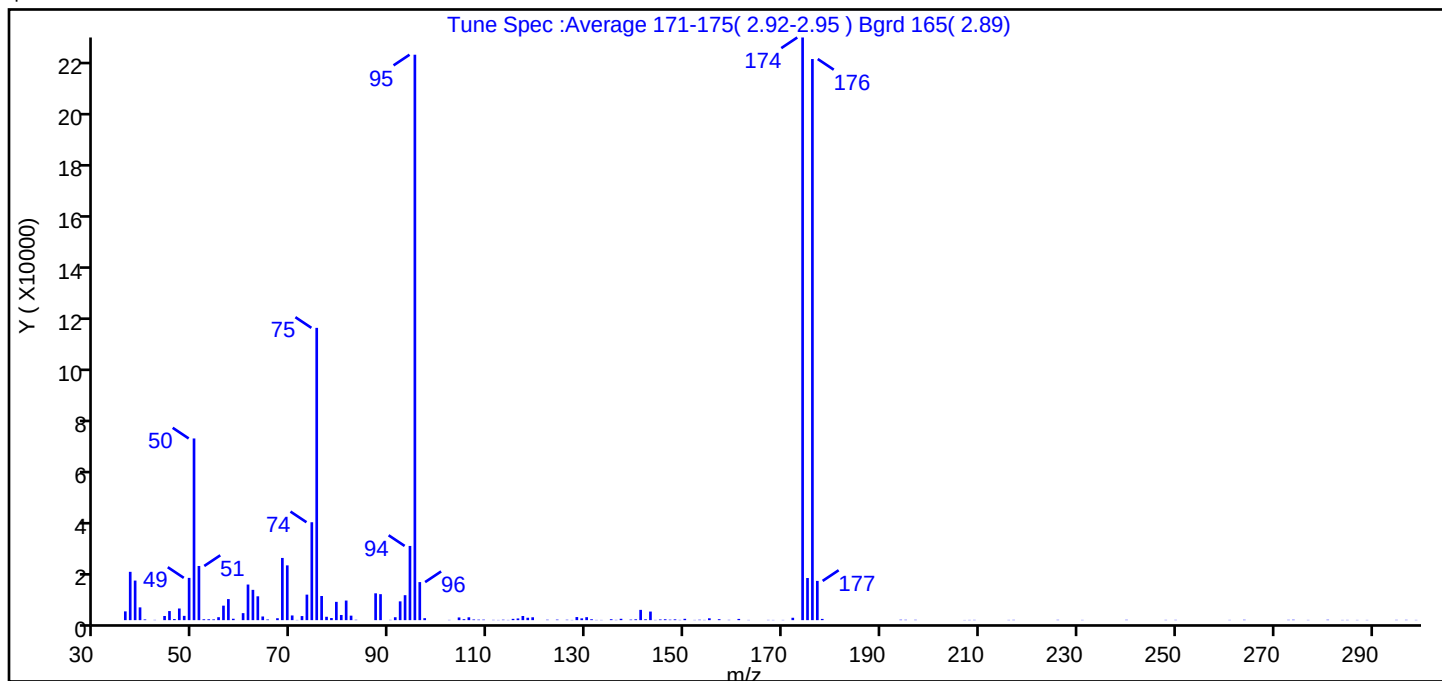
Dil. Factor: 1.0000

Method: N-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	32.1
75	30 to 60% of m/z 95	51.7
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	103.0
175	5 to 9% of m/z 174	7.5 (7.2)
176	Greater than 95% but less than 101% of m/z 174	99.2 (96.3)
177	5 to 9% of m/z 176	6.9 (7.0)

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1701.D\N-8260.rslt\spectra.d
Injection Date: 21-Jul-2018 21:33:30
Spectrum: Tune Spec :Average 171-175(2.92-2.95) Bgrd 165(2.89)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 138

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3383	75.00	112848	122.00	162	170.00	85
37.00	18656	76.00	9320	124.00	207	172.00	923
38.00	15278	77.00	1303	126.00	159	174.00	224960
39.00	4929	78.00	813	127.00	80	175.00	16269
40.00	282	79.00	7062	128.00	1193	176.00	216640
42.00	103	80.00	1994	129.00	682	177.00	15148
44.00	1605	81.00	7567	130.00	1146	178.00	474
45.00	3508	82.00	1733	131.00	341	194.00	164
46.00	419	83.00	150	132.00	88	195.00	137
47.00	4495	87.00	10357	133.00	83	197.00	131
48.00	1653	88.00	10030	135.00	352	207.00	69
49.00	16319	90.00	109	136.00	97	208.00	88
50.00	70144	91.00	1122	137.00	523	209.00	103
51.00	20912	92.00	7254	139.00	207	216.00	88
52.00	338	93.00	9634	140.00	320	217.00	114
53.00	340	94.00	28648	141.00	3965	226.00	122
54.00	305	95.00	218304	142.00	330	231.00	90
55.00	1137	96.00	14688	143.00	3314	240.00	134
56.00	5595	97.00	759	144.00	96	248.00	100
57.00	8133	102.00	96	145.00	263	250.00	108
58.00	540	104.00	1040	146.00	339	261.00	92
60.00	2703	105.00	378	147.00	185	264.00	144
61.00	13749	106.00	1098	148.00	307	273.00	120
62.00	11697	107.00	262	149.00	98	274.00	161
63.00	9207	108.00	192	150.00	516	277.00	89
64.00	1415	109.00	194	152.00	88	281.00	155
65.00	255	111.00	107	153.00	162	284.00	82
67.00	735	112.00	80	154.00	95	285.00	94
68.00	24016	113.00	172	155.00	711	287.00	84
69.00	21144	114.00	87	157.00	367	289.00	83
70.00	1812	115.00	500	159.00	119	295.00	112
71.00	83	116.00	656	161.00	473	297.00	119
72.00	1573	117.00	1601	163.00	87	299.00	87

Report Date: 21-Jul-2018 21:44:48

Chrom Revision: 2.3 19-Jul-2018 15:14:50

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1701.D\N-8260.rslt\spectra.d

Injection Date: 21-Jul-2018 21:33:30

Spectrum: Tune Spec :Average 171-175(2.92-2.95) Bgrd 165(2.89)

Base Peak: 174.00

Minimum % Base Peak: 0

Number of Points: 138

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	9851	118.00	925	167.00	96		
74.00	37800	119.00	1108	168.00	81		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2504.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 20-Jun-2018 12:54:30 ALS Bottle#: 1 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0072482-003
Operator ID: LH/ZV Instrument ID: HP5973S
Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 21-Jun-2018 14:25:32 Calib Date: 20-Jun-2018 20:51:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: HillL

Date: 20-Jun-2018 13:13:21

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

\$ 61 BFB	95	3.844	3.844	0.000	0	365310	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00071

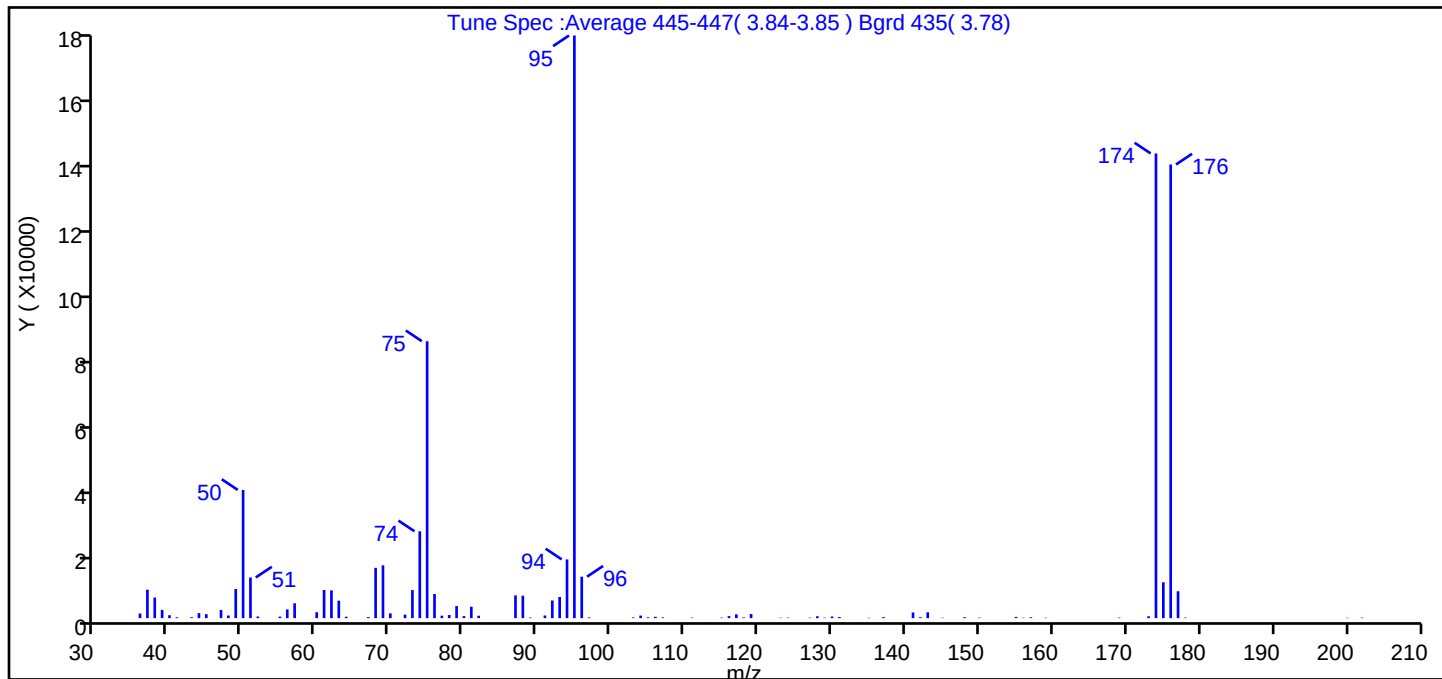
Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2504.D
Injection Date: 20-Jun-2018 12:54:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: LH/ZV ALS Bottle#: 1 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.0
75	30 to 60% of m/z 95	47.5
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	79.8
175	5 to 9% of m/z 174	6.2 (7.7)
176	Greater than 95% but less than 101% of m/z 174	77.9 (97.6)
177	5 to 9% of m/z 176	4.6 (5.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2504.D\S-8260.rslt\spectra.d
Injection Date: 20-Jun-2018 12:54:30
Spectrum: Tune Spec :Average 445-447(3.84-3.85) Bgrd 435(3.78)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 87

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1407	64.00	431	94.00	17720	135.00	127
37.00	8584	67.00	332	95.00	175744	137.00	293
38.00	6219	68.00	15169	96.00	12510	141.00	1718
39.00	2493	69.00	15927	97.00	220	142.00	276
40.00	882	70.00	1443	103.00	214	143.00	1753
41.00	259	72.00	1061	104.00	774	145.00	120
43.00	272	73.00	8463	105.00	254	148.00	274
44.00	1512	74.00	26200	106.00	401	150.00	143
45.00	1201	75.00	83536	107.00	215	155.00	371
47.00	2483	76.00	7284	111.00	150	156.00	135
48.00	793	77.00	743	115.00	152	157.00	266
49.00	8783	78.00	943	116.00	614	159.00	122
50.00	38672	79.00	3636	117.00	1150	169.00	161
51.00	12273	80.00	618	118.00	217	173.00	560
52.00	492	81.00	3438	119.00	1234	174.00	140160
55.00	464	82.00	722	123.00	123	175.00	10816
56.00	2625	87.00	6872	124.00	134	176.00	136832
57.00	4479	88.00	6780	127.00	144	177.00	8108
60.00	1791	89.00	186	128.00	567	178.00	172
61.00	8484	91.00	806	129.00	141	200.00	119
62.00	8375	92.00	5315	130.00	491	202.00	159
63.00	5273	93.00	6372	131.00	333		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S3640.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 18-Jul-2018 08:19:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0073166-002
Operator ID: AM Instrument ID: HP5973S
Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Jul-2018 08:31:33 Calib Date: 20-Jun-2018 20:51:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK008

First Level Reviewer: moffata

Date: 18-Jul-2018 08:31:33

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

\$ 61 BFB	95	3.814	3.814	0.000	0	246594	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00072

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S3640.D

Injection Date: 18-Jul-2018 08:19:30

Instrument ID: HP5973S

Lims ID: BFB

Client ID:

Operator ID: AM

ALS Bottle#: 2

Worklist Smp#: 2

Injection Vol: 1.0 uL

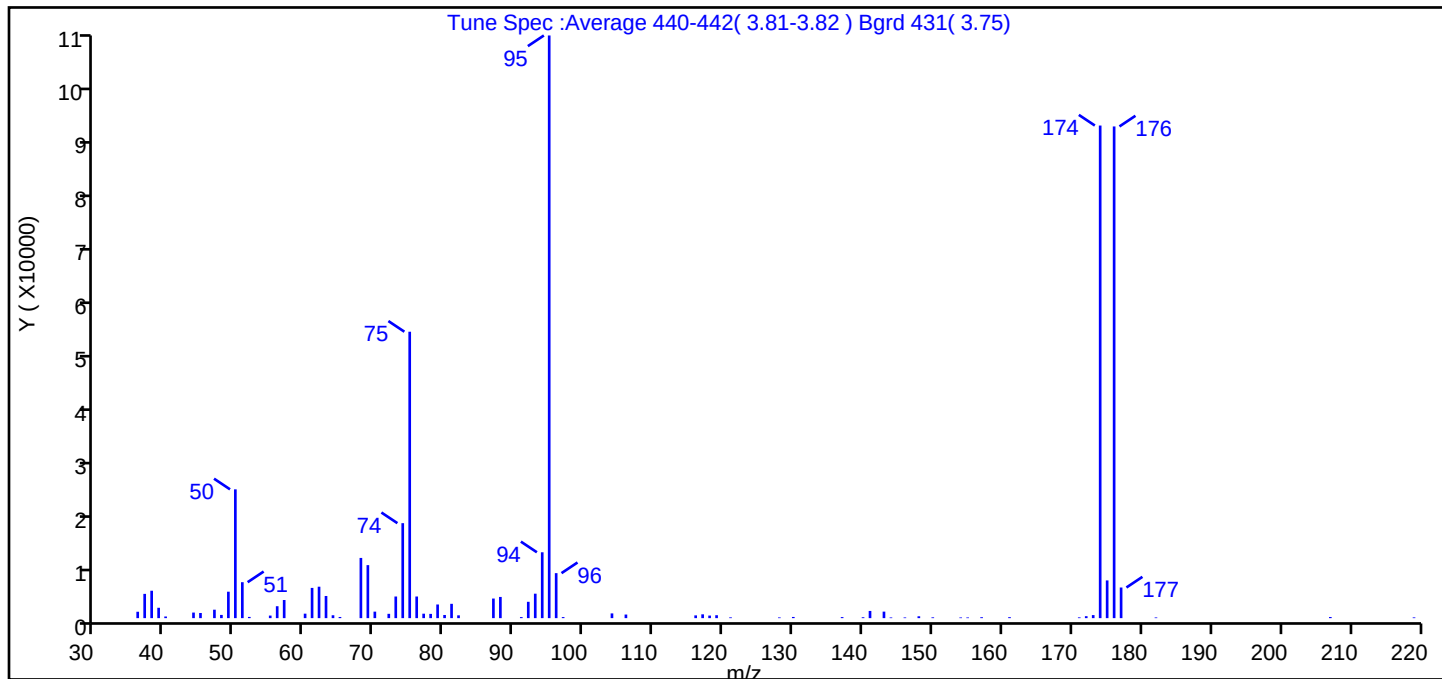
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.1
75	30 to 60% of m/z 95	49.2
96	5 to 9% of m/z 95	7.7
173	Less than 2% of m/z 174	0.5 (0.6)
174	50 to 120% of m/z 95	84.5
175	5 to 9% of m/z 174	6.5 (7.7)
176	Greater than 95% but less than 101% of m/z 174	84.4 (99.8)
177	5 to 9% of m/z 176	5.3 (6.2)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S3640.D\S-8260.rslt\spectra.d
Injection Date: 18-Jul-2018 08:19:30
Spectrum: Tune Spec :Average 440-442(3.81-3.82) Bgrd 431(3.75)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 76

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1124	63.00	3898	91.00	186	143.00	1148
37.00	4271	64.00	509	92.00	2875	144.00	121
38.00	4823	65.00	204	93.00	4304	146.00	122
39.00	1823	68.00	10595	94.00	11590	148.00	327
40.00	289	69.00	9328	95.00	102528	150.00	142
44.00	982	70.00	1144	96.00	7918	154.00	121
45.00	906	72.00	761	97.00	187	155.00	121
47.00	1486	73.00	3808	104.00	834	157.00	162
48.00	567	74.00	16712	106.00	633	161.00	170
49.00	4652	75.00	50400	116.00	487	171.00	136
50.00	22664	76.00	3806	117.00	672	172.00	344
51.00	6325	77.00	784	118.00	453	173.00	538
52.00	215	78.00	748	119.00	516	174.00	86680
55.00	452	79.00	2403	121.00	137	175.00	6639
56.00	2099	80.00	555	128.00	127	176.00	86520
57.00	3190	81.00	2520	130.00	208	177.00	5392
60.00	789	82.00	494	137.00	185	182.00	122
61.00	5321	87.00	3449	140.00	157	207.00	196
62.00	5532	88.00	3731	141.00	1267	219.00	130

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3666.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 18-Jul-2018 18:48:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0073194-002
Operator ID: NC Instrument ID: HP5973S
Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-Jul-2018 18:58:36 Calib Date: 20-Jun-2018 20:51:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: carrolln

Date: 18-Jul-2018 18:58:36

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

\$ 61 BFB	95	3.802	3.802	0.000	0	113552	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00072

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3666.D

Injection Date: 18-Jul-2018 18:48:30

Instrument ID: HP5973S

Lims ID: BFB

Client ID:

Operator ID: NC

ALS Bottle#: 1 Worklist Smp#: 2

Injection Vol: 1.0 uL

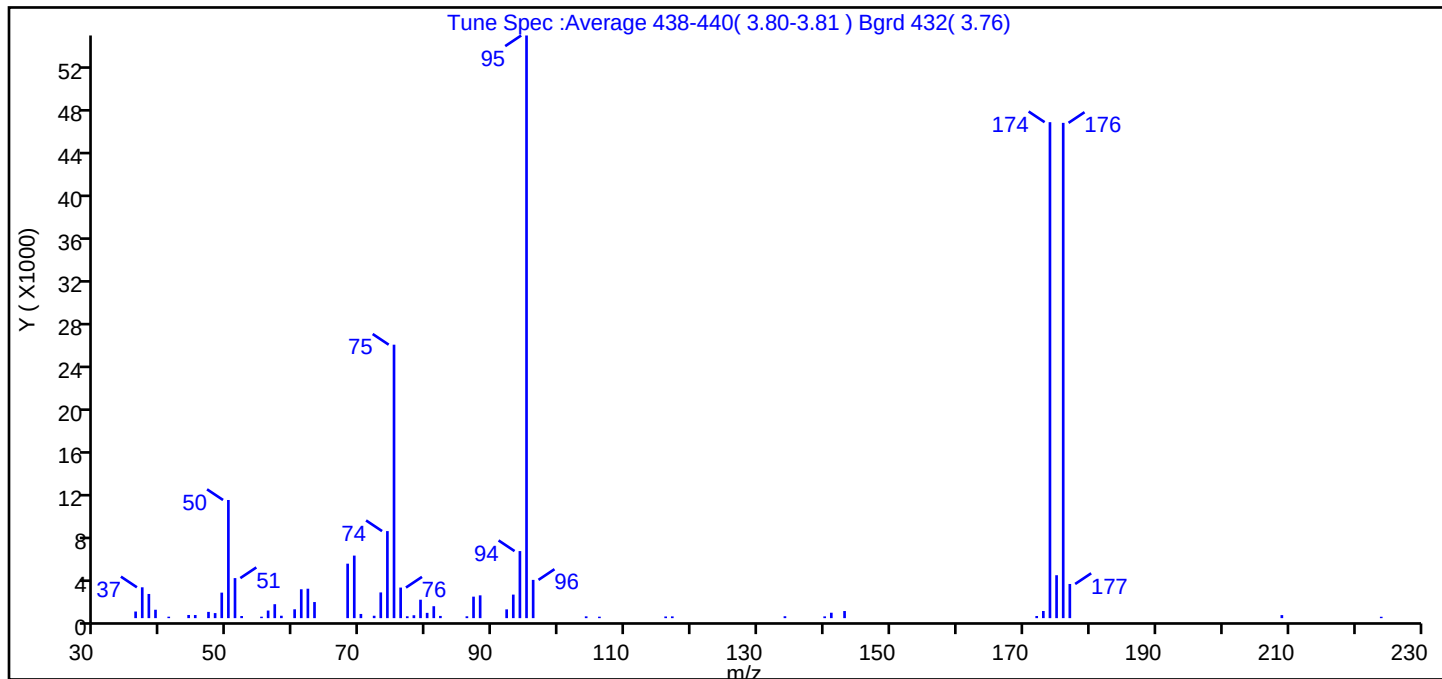
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.3
75	30 to 60% of m/z 95	46.9
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	1.2 (1.4)
174	50 to 120% of m/z 95	85.1
175	5 to 9% of m/z 174	7.4 (8.7)
176	Greater than 95% but less than 101% of m/z 174	85.0 (99.9)
177	5 to 9% of m/z 176	5.9 (6.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3666.D\S-8260.rslt\spectra.d
Injection Date: 18-Jul-2018 18:48:30
Spectrum: Tune Spec :Average 438-440(3.80-3.81) Bgrd 432(3.76)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	623	57.00	1311	78.00	271	116.00	156
37.00	2900	58.00	226	79.00	1734	117.00	165
38.00	2274	60.00	833	80.00	497	134.00	179
39.00	791	61.00	2715	81.00	1122	140.00	165
41.00	137	62.00	2767	82.00	209	141.00	509
44.00	298	63.00	1514	86.00	174	143.00	669
45.00	293	68.00	5122	87.00	2021	172.00	201
47.00	588	69.00	5881	88.00	2144	173.00	672
48.00	476	70.00	394	92.00	826	174.00	46632
49.00	2399	72.00	226	93.00	2214	175.00	4037
50.00	11109	73.00	2418	94.00	6304	176.00	46568
51.00	3765	74.00	8184	95.00	54784	177.00	3213
52.00	200	75.00	25712	96.00	3598	209.00	287
55.00	137	76.00	2876	104.00	169	224.00	130
56.00	715	77.00	174	106.00	138		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3705.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 19-Jul-2018 16:14:30 ALS Bottle#: 40 Worklist Smp#: 4
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0073226-004
Operator ID: LH Instrument ID: HP5973S
Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 19-Jul-2018 16:27:50 Calib Date: 20-Jun-2018 20:51:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK034

First Level Reviewer: HillL

Date: 19-Jul-2018 16:27:50

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

\$ 61 BFB	95	3.832	3.832	0.000	0	255697	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00072

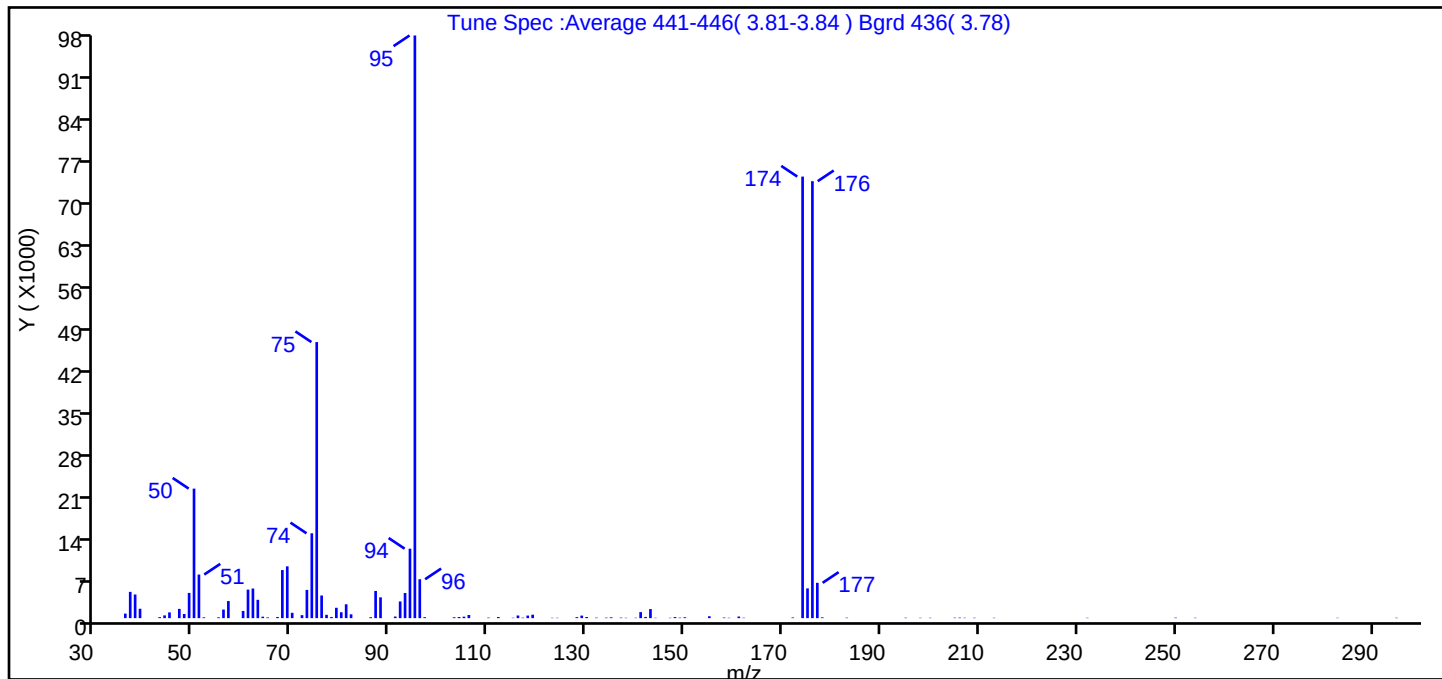
Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3705.D
Injection Date: 19-Jul-2018 16:14:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 40 Worklist Smp#: 4
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.2
75	30 to 60% of m/z 95	47.4
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	75.8
175	5 to 9% of m/z 174	5.1 (6.7)
176	Greater than 95% but less than 101% of m/z 174	75.0 (99.0)
177	5 to 9% of m/z 176	6.1 (8.1)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3705.D\S-8260.rslt\spectra.d
Injection Date: 19-Jul-2018 16:14:30
Spectrum: Tune Spec :Average 441-446(3.81-3.84) Bgrd 436(3.78)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 102

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	760	72.00	505	112.00	184	158.00	101
37.00	4407	73.00	4731	115.00	63	159.00	62
38.00	3968	74.00	14235	116.00	446	161.00	270
39.00	1577	75.00	46312	117.00	80	162.00	68
43.00	165	76.00	3800	118.00	433	172.00	110
44.00	463	77.00	557	119.00	581	174.00	74072
45.00	963	78.00	198	123.00	59	175.00	4994
47.00	1554	79.00	1743	124.00	59	176.00	73304
48.00	696	80.00	991	128.00	166	177.00	5927
49.00	4233	81.00	2325	129.00	429	178.00	133
50.00	21728	82.00	640	130.00	190	183.00	76
51.00	7315	86.00	162	132.00	85	195.00	73
52.00	135	87.00	4559	134.00	87	198.00	62
55.00	139	88.00	3491	135.00	140	200.00	63
56.00	1441	91.00	268	137.00	87	205.00	72
57.00	2866	92.00	2799	138.00	59	206.00	89
60.00	1209	93.00	4220	140.00	65	207.00	62
61.00	4788	94.00	11652	141.00	1014	209.00	66
62.00	4969	95.00	97744	142.00	204	213.00	60
63.00	3076	96.00	6528	143.00	1523	232.00	60
64.00	246	97.00	164	144.00	60	250.00	82
65.00	122	103.00	149	147.00	62	254.00	63
67.00	197	104.00	191	148.00	178	283.00	58
68.00	8065	105.00	247	149.00	82	295.00	68
69.00	8691	106.00	527	150.00	144		
70.00	894	110.00	87	155.00	315		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3758.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 22-Jul-2018 08:16:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0073273-002
Operator ID: AM Instrument ID: HP5973S
Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 22-Jul-2018 08:28:14 Calib Date: 20-Jul-2018 00:00:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3725.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: moffata

Date: 22-Jul-2018 08:28:14

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

\$ 61 BFB	95	3.814	3.814	0.000	0	422374	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00072

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3758.D

Injection Date: 22-Jul-2018 08:16:30

Instrument ID: HP5973S

Lims ID: BFB

Client ID:

Operator ID: AM

ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 uL

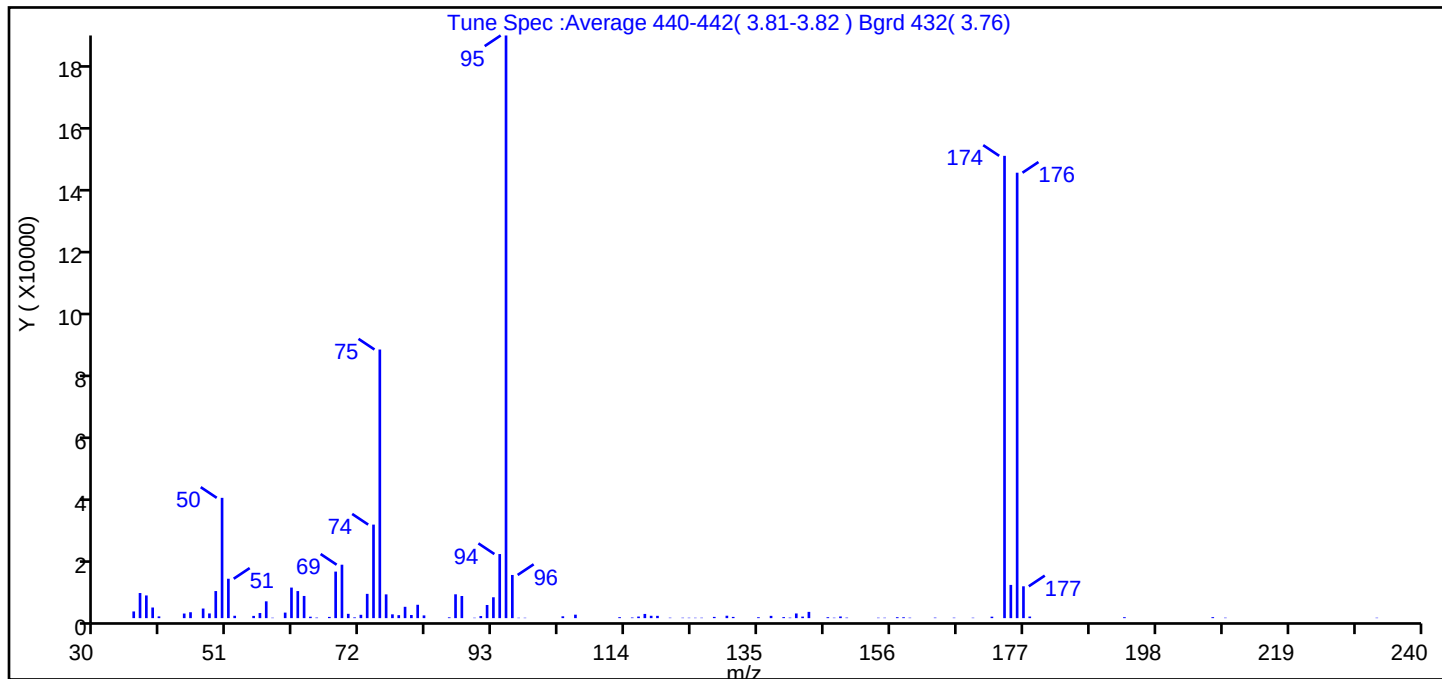
Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.6
75	30 to 60% of m/z 95	46.1
96	5 to 9% of m/z 95	7.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	79.3
175	5 to 9% of m/z 174	5.7 (7.2)
176	Greater than 95% but less than 101% of m/z 174	76.4 (96.4)
177	5 to 9% of m/z 176	5.5 (7.2)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3758.D\S-8260.rslt\spectra.d
Injection Date: 22-Jul-2018 08:16:30
Spectrum: Tune Spec :Average 440-442(3.81-3.82) Bgrd 432(3.76)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 96

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2086	68.00	14480	96.00	13431	142.00	476
37.00	7811	69.00	16624	97.00	118	143.00	1951
38.00	7062	70.00	1343	98.00	117	146.00	290
39.00	3308	71.00	232	104.00	571	147.00	137
40.00	546	72.00	1038	106.00	1079	148.00	517
44.00	1433	73.00	7555	113.00	301	149.00	163
45.00	1841	74.00	29096	115.00	195	154.00	134
47.00	2990	75.00	83560	116.00	493	155.00	128
48.00	1463	76.00	7394	117.00	1310	157.00	290
49.00	8422	77.00	1181	118.00	735	158.00	265
50.00	37424	78.00	924	119.00	717	159.00	143
51.00	12259	79.00	3527	121.00	140	163.00	160
52.00	738	80.00	975	123.00	131	166.00	142
55.00	700	81.00	4156	124.00	127	169.00	131
56.00	1589	82.00	851	125.00	119	172.00	458
57.00	5233	86.00	249	126.00	131	174.00	143808
58.00	128	87.00	7417	128.00	386	175.00	10338
60.00	1723	88.00	6890	130.00	754	176.00	138560
61.00	9508	90.00	123	131.00	382	177.00	9908
62.00	8419	91.00	648	135.00	279	178.00	495
63.00	6901	92.00	4093	137.00	711	193.00	293
64.00	445	93.00	6493	139.00	318	207.00	306
65.00	170	94.00	19936	140.00	163	209.00	139
67.00	385	95.00	181248	141.00	1458	233.00	126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-424504/7

Matrix: Water Lab File ID: N1478.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/15/2018 10:50

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.: 424504 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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-424504/7
 Matrix: Water Lab File ID: N1478.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/15/2018 10:50
 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.: 424504 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)	110		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1478.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 15-Jul-2018 10:50:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0073087-007
 Operator ID: AM Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Jul-2018 11:09:26 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK006

First Level Reviewer: moffata

Date: 15-Jul-2018 11:09:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	216348	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.338	0.001	89	841433	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	96	416101	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	0.000	93	301914	25.0	24.4	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	425034	25.0	27.6	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	1042421	25.0	23.5	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.598	-0.006	92	354705	25.0	25.6	
11 Dichlorodifluoromethane	85		1.300					ND	
12 Chlorodifluoromethane	51		1.318					ND	U
13 Chloromethane	50		1.470					ND	
14 Vinyl chloride	62		1.543					ND	
144 Butadiene	54		1.567					ND	U
15 Bromomethane	94		1.847					ND	
16 Chloroethane	64		1.939					ND	U
17 Dichlorofluoromethane	67		2.139					ND	
18 Trichlorofluoromethane	101		2.145					ND	
141 Ethanol	45		2.419					ND	
19 Ethyl ether	59		2.431					ND	
81 Propene oxide	58		2.504					ND	
20 Acrolein	56		2.583					ND	U
22 1,1-Dichloroethene	96		2.632					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644					ND	
23 Acetone	43		2.736					ND	U
24 Iodomethane	142		2.784					ND	
25 Carbon disulfide	76		2.827					ND	
26 Isopropyl alcohol	45		2.918					ND	U
27 3-Chloro-1-propene	41		2.991					ND	
29 Acetonitrile	40		3.015					ND	
28 Methyl acetate	43		3.034					ND	
30 Methylene Chloride	84		3.125					ND	
31 2-Methyl-2-propanol	59		3.289					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.356					ND	
33 trans-1,2-Dichloroethene	96		3.362					ND	
34 Acrylonitrile	53		3.386					ND	
35 Hexane	57		3.581					ND	
36 1,1-Dichloroethane	63		3.764					ND	
37 Isopropyl ether	45		3.800					ND	
39 Vinyl acetate	43		3.818					ND	
38 2-Chloro-1,3-butadiene	53		3.831					ND	
40 1,1-Dimethoxyethane	75		3.867					ND	
41 Tert-butyl ethyl ether	59		4.135					ND	
42 2,2-Dichloropropane	77		4.287					ND	
43 cis-1,2-Dichloroethene	96		4.311					ND	
44 2-Butanone (MEK)	43		4.335					ND	
45 Ethyl acetate	43		4.384					ND	
46 Propionitrile	54		4.421					ND	
48 Methacrylonitrile	67		4.536					ND	
47 Chlorobromomethane	128		4.536					ND	
49 Tetrahydrofuran	42		4.567					ND	
50 Chloroform	83		4.615					ND	
51 1,1,1-Trichloroethane	97		4.743					ND	
52 Cyclohexane	56		4.767					ND	
53 Carbon tetrachloride	117		4.883					ND	
54 1,1-Dichloropropene	75		4.895					ND	
55 Benzene	78		5.090					ND	
56 Isobutyl alcohol	43		5.090					ND	
146 Isooctane	57		5.120					ND	U
57 1,2-Dichloroethane	62		5.139					ND	
140 t-Amyl alcohol	59		5.157					ND	
58 Tert-amyl methyl ether	73		5.181					ND	
59 n-Heptane	43		5.303					ND	
1 1,4-Difluorobenzene	114		5.467					ND	
60 Trichloroethene	95		5.704					ND	
61 n-Butanol	56		5.710					ND	
145 Ethyl acrylate	55		5.820					ND	
62 Methylcyclohexane	83		5.844					ND	
63 1,2-Dichloropropane	63		5.929					ND	
65 Methyl methacrylate	41		6.033					ND	
64 Dibromomethane	93		6.057					ND	
66 1,4-Dioxane	88		6.075					ND	
67 Dichlorobromomethane	83		6.209					ND	
68 2-Nitropropane	43		6.440					ND	
69 2-Chloroethyl vinyl ether	63		6.495					ND	
70 Epichlorohydrin	57		6.574					ND	
71 cis-1,3-Dichloropropene	75		6.629					ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775					ND	U
73 Toluene	92		6.933					ND	
74 2-Methylthiophene	97		7.061					ND	
75 trans-1,3-Dichloropropene	75		7.195					ND	
76 3-Methylthiophene	97		7.225					ND	
77 Ethyl methacrylate	69		7.262					ND	
78 1,1,2-Trichloroethane	83		7.377					ND	
79 Tetrachloroethene	166		7.475					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 1,3-Dichloropropane	76		7.542					ND	
82 2-Hexanone	43		7.615					ND	
149 n-Butyl acetate	43		7.736					ND	
83 Chlorodibromomethane	129		7.779					ND	
84 Ethylene Dibromide	107		7.882					ND	
139 1-Chlorohexane	55		8.332					ND	U
86 3-Chlorobenzotrifluoride	180		8.345					ND	
85 Chlorobenzene	112		8.369					ND	
87 4-Chlorobenzotrifluoride	180		8.405					ND	
89 1,1,1,2-Tetrachloroethane	131		8.466					ND	
88 Ethylbenzene	91		8.472					ND	
90 m-Xylene & p-Xylene	106		8.594					ND	
91 o-Xylene	106		9.020					ND	
92 Styrene	104		9.044					ND	
93 Bromoform	173		9.275					ND	
94 2-Chlorobenzotrifluoride	180		9.318					ND	
95 Isopropylbenzene	105		9.409					ND	
96 Cyclohexanone	55		9.555					ND	U
97 Bromobenzene	156		9.744					ND	
98 1,1,2,2-Tetrachloroethane	83		9.786					ND	
99 1,2,3-Trichloropropane	110		9.817					ND	
101 trans-1,4-Dichloro-2-buten	53		9.835					ND	
100 N-Propylbenzene	91		9.841					ND	
102 2-Chlorotoluene	126		9.938					ND	
103 3-Chlorotoluene	126		9.999					ND	
104 1,3,5-Trimethylbenzene	105		10.024					ND	
105 4-Chlorotoluene	91		10.048					ND	
106 tert-Butylbenzene	134		10.340					ND	
107 Pentachloroethane	167		10.376					ND	
108 1,2,4-Trimethylbenzene	105		10.395					ND	
109 sec-Butylbenzene	105		10.553					ND	
110 1,3-Dichlorobenzene	146		10.675					ND	
111 4-Isopropyltoluene	119		10.693					ND	
112 Dicyclopentadiene	66		10.754					ND	
113 1,4-Dichlorobenzene	146		10.766					ND	
114 1,2,3-Trimethylbenzene	105		10.802					ND	
143 Benzyl chloride	126		10.906					ND	
115 n-Butylbenzene	91		11.082					ND	
116 1,2-Dichlorobenzene	146		11.113					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837					ND	
118 1,3,5-Trichlorobenzene	180		11.995					ND	
119 1,2,4-Trichlorobenzene	180		12.530					ND	
120 Hexachlorobutadiene	225		12.658					ND	
121 Naphthalene	128		12.737					ND	
122 1,2,3-Trichlorobenzene	180		12.944					ND	
142 2-Methylnaphthalene	142		13.662					ND	U
138 1-Bromopropane	1		0.000					ND	
133 Halothane	1		0.000					ND	
131 Aziridine TIC	1		0.000					ND	
136 Ethylene oxide TIC	1		0.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 126 Xylenes, Total	1		30.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	
T 150 1-Chloro-1-fluoroethane TI	47		2.000					ND	U
T 127 Ethanol TIC	1		0.000					ND	
T 137 Pentachloroethane TIC	1		0.000					ND	
T 132 Bromoethane TIC	1		0.000					ND	
T 129 tert-amyl alcohol TIC	1		0.000					ND	
T 10 Ethylene oxide	1		0.000					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 134 bis(chloromethyl)ether TIC	1		0.000					ND	
T 135 1-Bromopropane TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 130 Propene oxide TIC	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00330

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00116

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1478.D

Injection Date: 15-Jul-2018 10:50:30

Instrument ID: HP5973N

Operator ID: AM

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

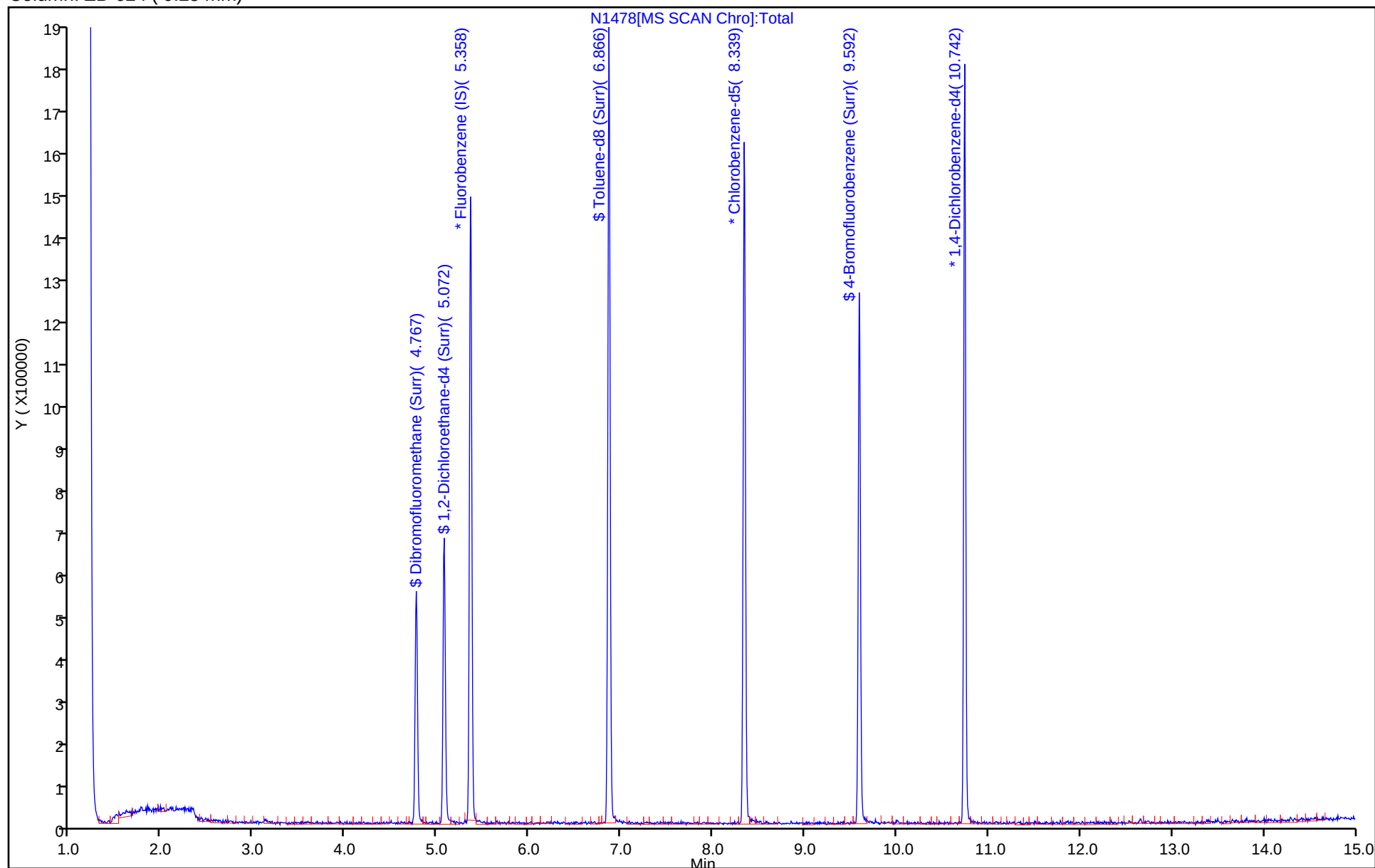
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1478.D

Injection Date: 15-Jul-2018 10:50:30

Instrument ID: HP5973N

Lims ID: MB

Client ID:

Operator ID: AM

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

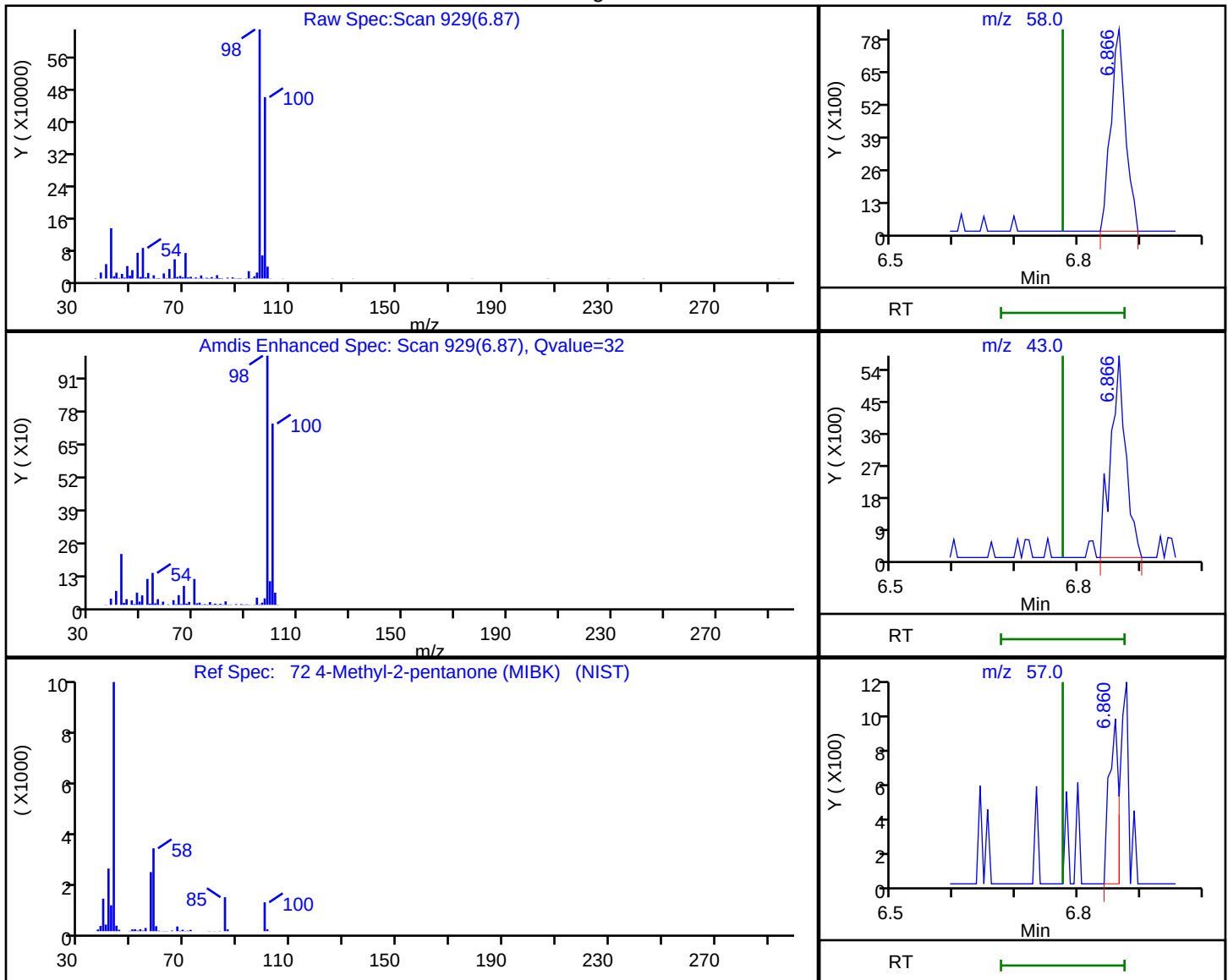
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.87	58.00	13318	1.980828
6.87	43.00	9604	
6.86	57.00	1007	

Reviewer: moffata, 15-Jul-2018 11:09:00

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1478.D

Injection Date: 15-Jul-2018 10:50:30

Instrument ID: HP5973N

Lims ID: MB

Client ID:

Operator ID: AM

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

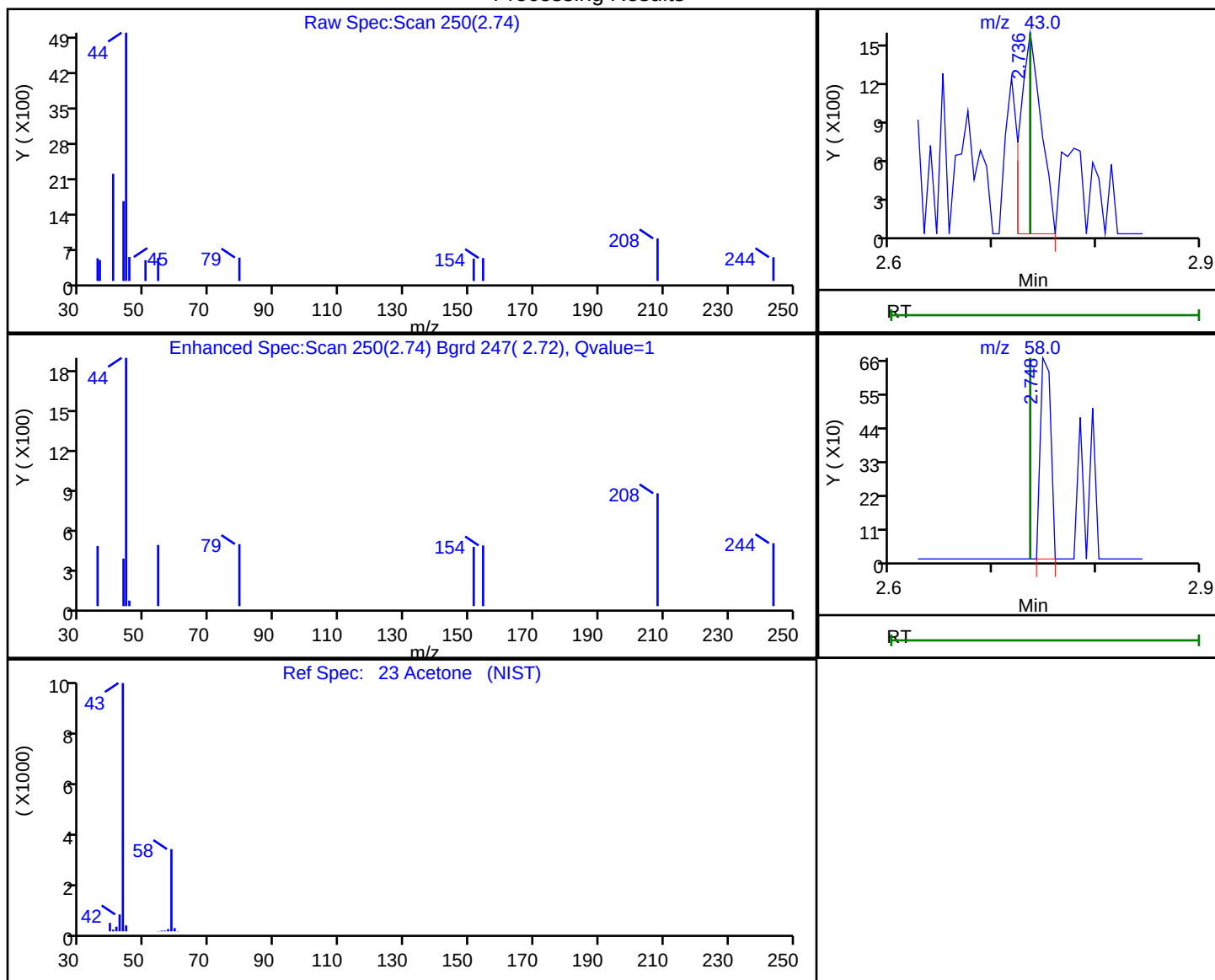
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.74	43.00	2158	0.497388
2.75	58.00	466	

Reviewer: moffata, 15-Jul-2018 11:08:46

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1478.D

Injection Date: 15-Jul-2018 10:50:30

Instrument ID: HP5973N

Lims ID: MB

Client ID:

Operator ID: AM

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

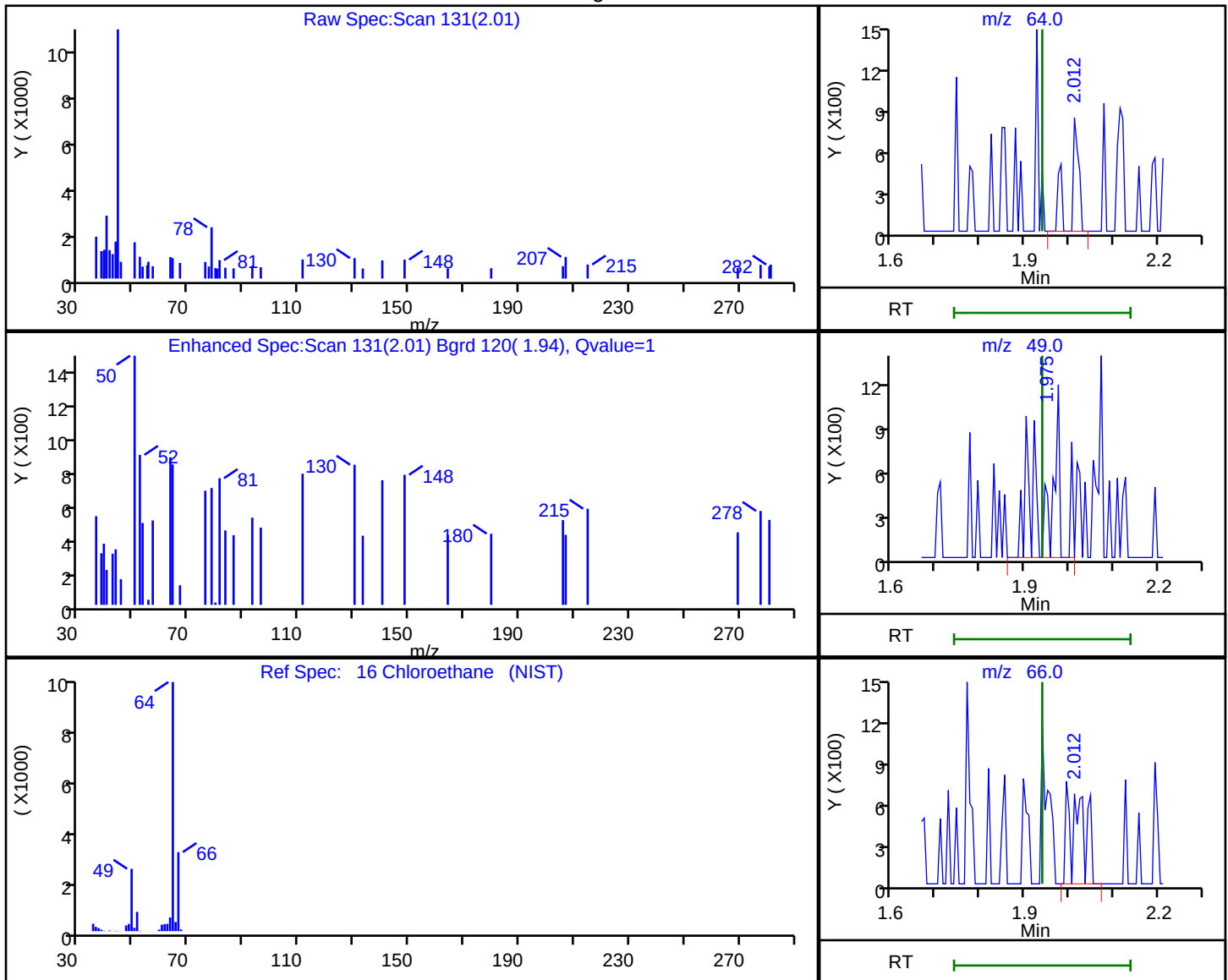
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.01	64.00	1008	0.132696
1.98	49.00	2629	
2.01	66.00	1695	

Reviewer: moffata, 15-Jul-2018 11:08:42

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-424528/7

Matrix: Water Lab File ID: N1505.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/16/2018 10:13

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 424528 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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-424528/7
 Matrix: Water Lab File ID: N1505.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/16/2018 10:13
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 424528 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)	118		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
2037-26-5	Toluene-d8 (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N1505.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 16-Jul-2018 10:13:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0073094-007
 Operator ID: AM Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jul-2018 17:24:38 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK007

First Level Reviewer: milligana

Date: 16-Jul-2018 17:24:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	205031	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.339	0.000	89	807963	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	96	426123	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.768	4.768	0.000	93	298724	25.0	25.5	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	430280	25.0	29.5	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	1011801	25.0	23.7	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	94	352866	25.0	26.5	
11 Dichlorodifluoromethane	85		1.294					ND	
12 Chlorodifluoromethane	51		1.318					ND	U
13 Chloromethane	50		1.476					ND	
14 Vinyl chloride	62		1.543					ND	
144 Butadiene	54		1.574					ND	
15 Bromomethane	94		1.841					ND	
16 Chloroethane	64		1.933					ND	
17 Dichlorofluoromethane	67		2.133					ND	
18 Trichlorofluoromethane	101		2.145					ND	
141 Ethanol	45		2.419					ND	
19 Ethyl ether	59		2.431					ND	
81 Propene oxide	58	2.352	2.504	-0.152	34	376		NC	
20 Acrolein	56		2.584					ND	U
22 1,1-Dichloroethene	96		2.638					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644					ND	
23 Acetone	43		2.736					ND	U
24 Iodomethane	142		2.784					ND	
25 Carbon disulfide	76		2.833					ND	
26 Isopropyl alcohol	45		2.918					ND	U
27 3-Chloro-1-propene	41		2.991					ND	
29 Acetonitrile	40		3.015					ND	
28 Methyl acetate	43		3.034					ND	
30 Methylene Chloride	84		3.125					ND	
31 2-Methyl-2-propanol	59		3.289					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.356					ND	
33 trans-1,2-Dichloroethene	96		3.362					ND	
34 Acrylonitrile	53		3.380					ND	
35 Hexane	57		3.581					ND	
36 1,1-Dichloroethane	63		3.764					ND	
37 Isopropyl ether	45		3.800					ND	
39 Vinyl acetate	43		3.818					ND	
38 2-Chloro-1,3-butadiene	53		3.831					ND	
40 1,1-Dimethoxyethane	75		3.867					ND	
41 Tert-butyl ethyl ether	59		4.135					ND	
42 2,2-Dichloropropane	77		4.287					ND	
43 cis-1,2-Dichloroethene	96		4.305					ND	
44 2-Butanone (MEK)	43		4.336					ND	
45 Ethyl acetate	43		4.384					ND	
46 Propionitrile	54		4.421					ND	
48 Methacrylonitrile	67		4.536					ND	
47 Chlorobromomethane	128		4.536					ND	
49 Tetrahydrofuran	42		4.567					ND	
50 Chloroform	83		4.615					ND	
51 1,1,1-Trichloroethane	97		4.743					ND	
52 Cyclohexane	56		4.768					ND	
53 Carbon tetrachloride	117		4.889					ND	
54 1,1-Dichloropropene	75		4.895					ND	
55 Benzene	78		5.090					ND	
56 Isobutyl alcohol	43		5.090					ND	
146 Isooctane	57		5.120					ND	
57 1,2-Dichloroethane	62		5.145					ND	
140 t-Amyl alcohol	59		5.157					ND	
58 Tert-amyl methyl ether	73		5.181					ND	
59 n-Heptane	43		5.303					ND	
1 1,4-Difluorobenzene	114		5.467					ND	
60 Trichloroethene	95		5.704					ND	
61 n-Butanol	56		5.710					ND	
145 Ethyl acrylate	55		5.820					ND	
62 Methylcyclohexane	83		5.838					ND	
63 1,2-Dichloropropane	63		5.923					ND	
65 Methyl methacrylate	41		6.033					ND	
64 Dibromomethane	93		6.057					ND	
66 1,4-Dioxane	88		6.063					ND	
67 Dichlorobromomethane	83		6.209					ND	
68 2-Nitropropane	43		6.440					ND	
69 2-Chloroethyl vinyl ether	63		6.495					ND	
70 Epichlorohydrin	57		6.574					ND	
71 cis-1,3-Dichloropropene	75		6.629					ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775					ND	U
73 Toluene	92		6.933					ND	
74 2-Methylthiophene	97		7.061					ND	
75 trans-1,3-Dichloropropene	75		7.195					ND	
76 3-Methylthiophene	97		7.225					ND	
77 Ethyl methacrylate	69		7.256					ND	
78 1,1,2-Trichloroethane	83		7.377					ND	
79 Tetrachloroethene	166		7.469					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 1,3-Dichloropropane	76		7.542					ND	
82 2-Hexanone	43		7.615					ND	
149 n-Butyl acetate	43		7.736					ND	
83 Chlorodibromomethane	129		7.779					ND	
84 Ethylene Dibromide	107		7.882					ND	
139 1-Chlorohexane	55		8.332					ND	U
86 3-Chlorobenzotrifluoride	180		8.345					ND	
85 Chlorobenzene	112		8.369					ND	
87 4-Chlorobenzotrifluoride	180		8.405					ND	
89 1,1,1,2-Tetrachloroethane	131		8.466					ND	
88 Ethylbenzene	91		8.472					ND	
90 m-Xylene & p-Xylene	106		8.594					ND	
91 o-Xylene	106		9.020					ND	
92 Styrene	104		9.044					ND	
93 Bromoform	173		9.269					ND	
94 2-Chlorobenzotrifluoride	180		9.318					ND	
95 Isopropylbenzene	105		9.409					ND	
96 Cyclohexanone	55		9.555					ND	U
97 Bromobenzene	156		9.744					ND	
98 1,1,2,2-Tetrachloroethane	83		9.780					ND	
99 1,2,3-Trichloropropane	110		9.817					ND	
101 trans-1,4-Dichloro-2-buten	53		9.835					ND	
100 N-Propylbenzene	91		9.841					ND	
102 2-Chlorotoluene	126		9.932					ND	
103 3-Chlorotoluene	126		9.999					ND	
104 1,3,5-Trimethylbenzene	105		10.018					ND	
105 4-Chlorotoluene	91		10.048					ND	
106 tert-Butylbenzene	134		10.340					ND	
107 Pentachloroethane	167		10.376					ND	
108 1,2,4-Trimethylbenzene	105		10.395					ND	
109 sec-Butylbenzene	105		10.553					ND	
110 1,3-Dichlorobenzene	146		10.675					ND	
111 4-Isopropyltoluene	119		10.693					ND	
112 Dicyclopentadiene	66		10.754					ND	U
113 1,4-Dichlorobenzene	146		10.766					ND	
114 1,2,3-Trimethylbenzene	105		10.802					ND	
143 Benzyl chloride	126		10.906					ND	
115 n-Butylbenzene	91		11.082					ND	
116 1,2-Dichlorobenzene	146		11.113					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837					ND	
118 1,3,5-Trichlorobenzene	180		11.995					ND	
119 1,2,4-Trichlorobenzene	180		12.530					ND	
120 Hexachlorobutadiene	225		12.658					ND	
121 Naphthalene	128		12.737					ND	
122 1,2,3-Trichlorobenzene	180		12.944					ND	
142 2-Methylnaphthalene	142		13.662					ND	
138 1-Bromopropane	1		0.000					ND	
133 Halothane	1		0.000					ND	
131 Aziridine TIC	1		0.000					ND	
136 Ethylene oxide TIC	1		0.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 126 Xylenes, Total	1		30.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	
T 150 1-Chloro-1-fluoroethane TI	47		2.000					ND	U
T 127 Ethanol TIC	1		0.000					ND	
T 137 Pentachloroethane TIC	1		0.000					ND	
T 132 Bromoethane TIC	1		0.000					ND	
T 129 tert-amyl alcohol TIC	1		0.000					ND	
T 10 Ethylene oxide	1		0.000					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 134 bis(chloromethyl)ether TIC	1		0.000					ND	
T 135 1-Bromopropane TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 130 Propene oxide TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N1505.D

Injection Date: 16-Jul-2018 10:13:30

Instrument ID: HP5973N

Operator ID: AM

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

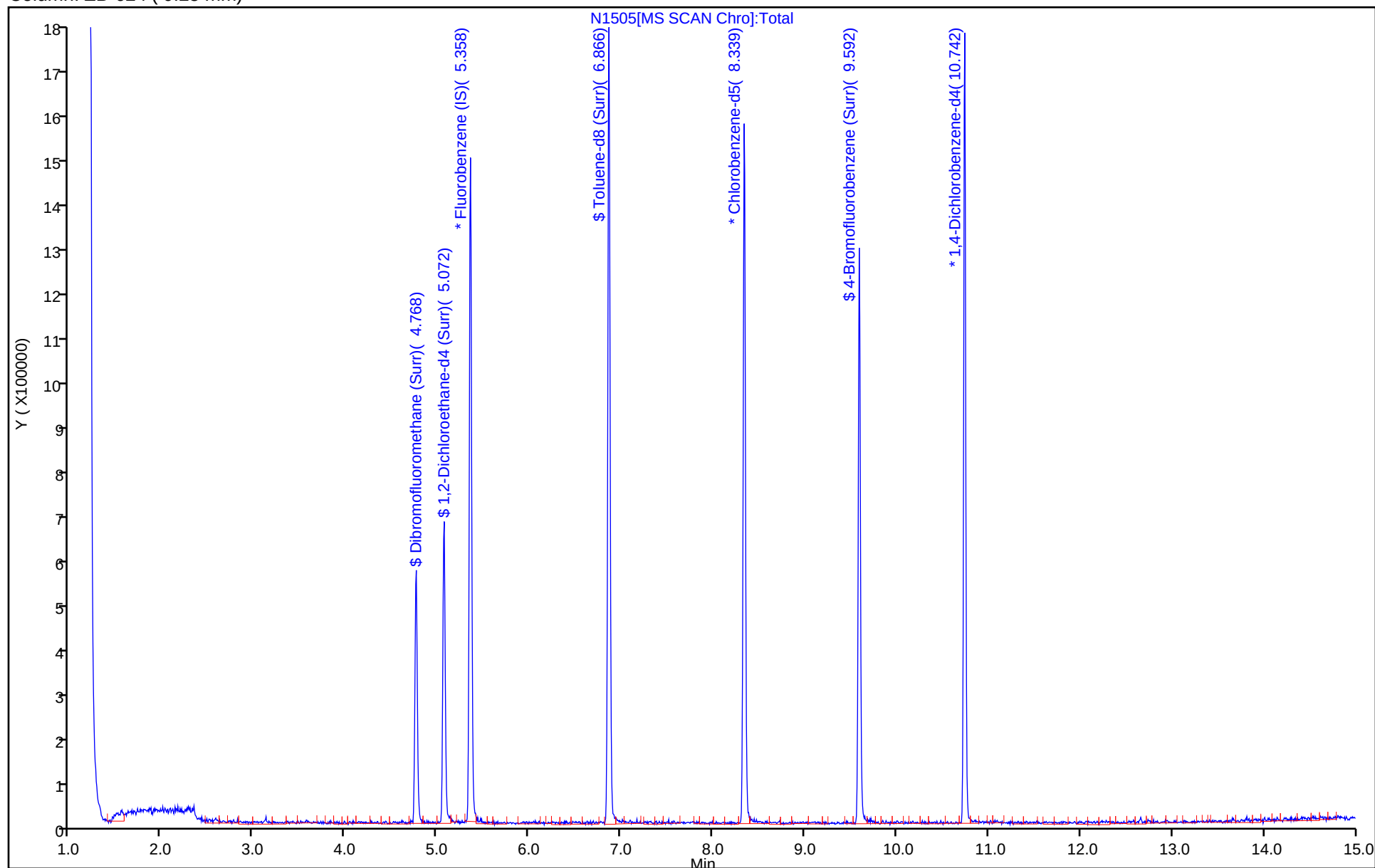
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N1505.D

Injection Date: 16-Jul-2018 10:13:30

Instrument ID: HP5973N

Lims ID: MB

Client ID:

Operator ID: AM

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

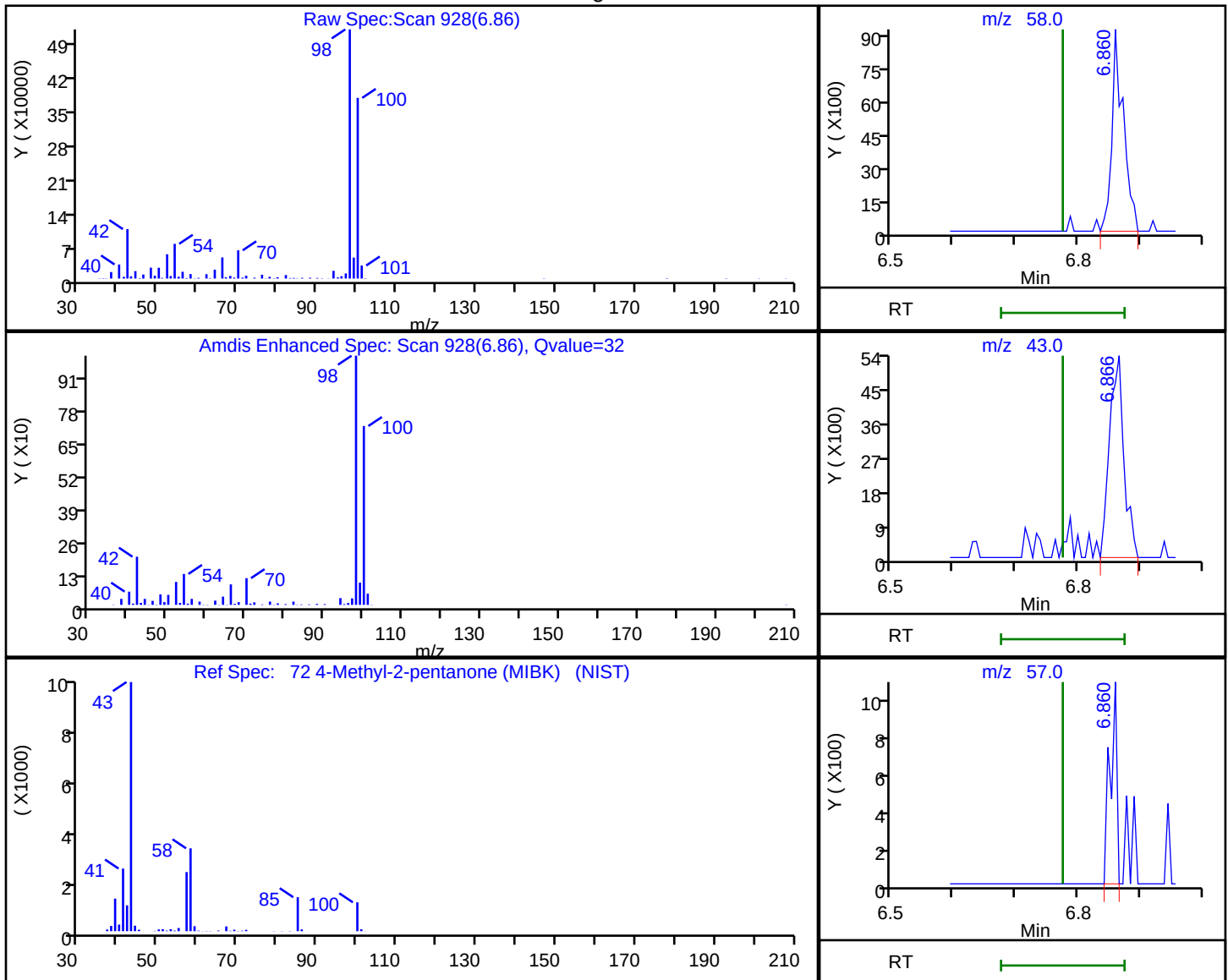
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.86	58.00	12040	1.864929
6.87	43.00	8741	
6.86	57.00	784	

Reviewer: moffata, 16-Jul-2018 10:37:09

Audit Action: Marked Compound Undetected

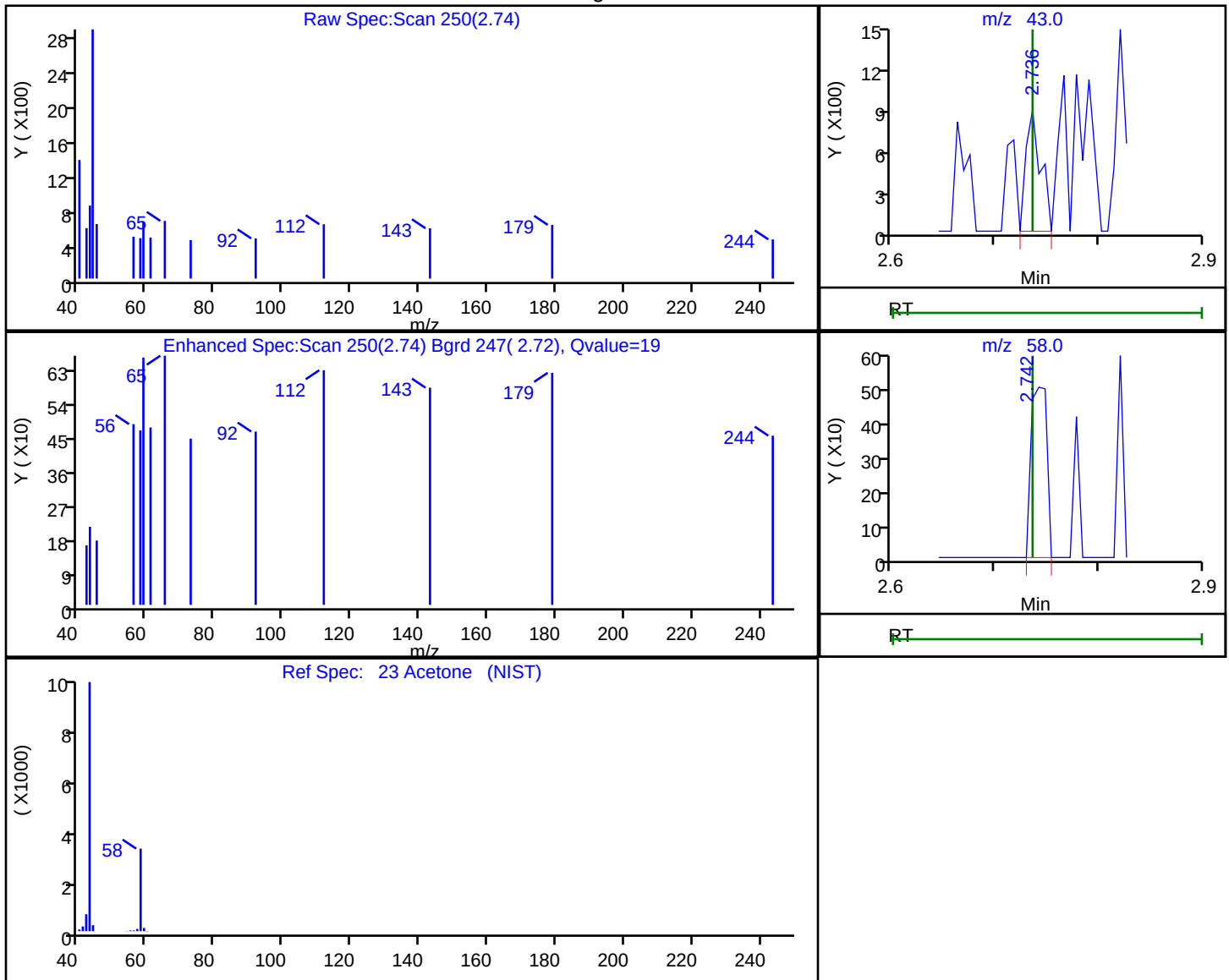
Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N1505.D
Injection Date: 16-Jul-2018 10:13:30 Instrument ID: HP5973N
Lims ID: MB
Client ID:
Operator ID: AM ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.74	43.00	844	0.205267
2.74	58.00	537	

Reviewer: moffata, 16-Jul-2018 10:37:05

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-424720/9

Matrix: Water Lab File ID: N1532.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/16/2018 22:51

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 424720 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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-424720/9
 Matrix: Water Lab File ID: N1532.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/16/2018 22:51
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 424720 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)	115		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		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\HP5973N\20180716-73127.b\N1532.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 16-Jul-2018 22:51:30 ALS Bottle#: 7 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0073127-009
 Operator ID: AEM Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jul-2018 10:00:27 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: moffata

Date: 17-Jul-2018 10:01:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	97	208300	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.345	-0.007	90	823181	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.742	-0.001	95	434231	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.768	-0.001	93	298162	25.0	25.0	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	426942	25.0	28.8	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	1059990	25.0	24.4	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.598	-0.006	91	357202	25.0	26.4	
11 Dichlorodifluoromethane	85		1.300					ND	
12 Chlorodifluoromethane	51		1.318					ND	U
13 Chloromethane	50		1.470					ND	
14 Vinyl chloride	62		1.549					ND	
144 Butadiene	54		1.574					ND	U
15 Bromomethane	94		1.860					ND	
16 Chloroethane	64		1.939					ND	
17 Dichlorofluoromethane	67		2.146					ND	
18 Trichlorofluoromethane	101		2.152					ND	
141 Ethanol	45		2.419					ND	
19 Ethyl ether	59		2.431					ND	
81 Propene oxide	58		2.504					ND	
20 Acrolein	56	2.583	2.584	-0.001	46	2128		0.9171	
22 1,1-Dichloroethene	96		2.638					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.650					ND	
23 Acetone	43		2.736					ND	
24 Iodomethane	142		2.784					ND	
25 Carbon disulfide	76		2.833					ND	
26 Isopropyl alcohol	45		2.918					ND	U
27 3-Chloro-1-propene	41		2.991					ND	
29 Acetonitrile	40		3.015					ND	
28 Methyl acetate	43		3.034					ND	
30 Methylene Chloride	84		3.125					ND	
31 2-Methyl-2-propanol	59		3.283					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.356					ND	
33 trans-1,2-Dichloroethene	96		3.362					ND	
34 Acrylonitrile	53		3.381					ND	
35 Hexane	57		3.581					ND	
36 1,1-Dichloroethane	63		3.764					ND	
37 Isopropyl ether	45		3.800					ND	
39 Vinyl acetate	43		3.819					ND	
38 2-Chloro-1,3-butadiene	53		3.831					ND	
40 1,1-Dimethoxyethane	75		3.867					ND	
41 Tert-butyl ethyl ether	59		4.135					ND	
42 2,2-Dichloropropane	77		4.281					ND	
43 cis-1,2-Dichloroethene	96		4.305					ND	
44 2-Butanone (MEK)	43		4.336					ND	
45 Ethyl acetate	43		4.384					ND	
46 Propionitrile	54		4.421					ND	
48 Methacrylonitrile	67		4.536					ND	
47 Chlorobromomethane	128		4.536					ND	
49 Tetrahydrofuran	42		4.567					ND	
50 Chloroform	83		4.615					ND	
51 1,1,1-Trichloroethane	97		4.743					ND	
52 Cyclohexane	56		4.768					ND	
53 Carbon tetrachloride	117		4.889					ND	
54 1,1-Dichloropropene	75		4.895					ND	
56 Isobutyl alcohol	43		5.084					ND	
55 Benzene	78		5.096					ND	
146 Isooctane	57		5.120					ND	U
57 1,2-Dichloroethane	62		5.145					ND	
140 t-Amyl alcohol	59		5.157					ND	
58 Tert-amyl methyl ether	73		5.181					ND	
59 n-Heptane	43		5.303					ND	
1 1,4-Difluorobenzene	114		5.467					ND	
60 Trichloroethene	95		5.704					ND	
61 n-Butanol	56		5.710					ND	
145 Ethyl acrylate	55		5.820					ND	U
62 Methylcyclohexane	83		5.838					ND	
63 1,2-Dichloropropane	63		5.923					ND	
65 Methyl methacrylate	41		6.033					ND	
64 Dibromomethane	93		6.057					ND	
66 1,4-Dioxane	88		6.069					ND	
67 Dichlorobromomethane	83		6.209					ND	
68 2-Nitropropane	43		6.440					ND	
69 2-Chloroethyl vinyl ether	63		6.495					ND	
70 Epichlorohydrin	57		6.574					ND	
71 cis-1,3-Dichloropropene	75		6.635					ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775					ND	U
73 Toluene	92		6.933					ND	
74 2-Methylthiophene	97		7.061					ND	
75 trans-1,3-Dichloropropene	75		7.195					ND	
76 3-Methylthiophene	97		7.225					ND	
77 Ethyl methacrylate	69		7.256					ND	
78 1,1,2-Trichloroethane	83		7.377					ND	
79 Tetrachloroethene	166		7.469					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 1,3-Dichloropropane	76		7.542					ND	
82 2-Hexanone	43		7.615					ND	
149 n-Butyl acetate	43		7.736					ND	
83 Chlorodibromomethane	129		7.779					ND	
84 Ethylene Dibromide	107		7.882					ND	
139 1-Chlorohexane	55		8.332					ND	U
86 3-Chlorobenzotrifluoride	180		8.345					ND	
85 Chlorobenzene	112		8.369					ND	
87 4-Chlorobenzotrifluoride	180		8.405					ND	
89 1,1,1,2-Tetrachloroethane	131		8.466					ND	
88 Ethylbenzene	91		8.472					ND	
90 m-Xylene & p-Xylene	106		8.594					ND	
91 o-Xylene	106		9.020					ND	
92 Styrene	104		9.044					ND	
93 Bromoform	173		9.275					ND	
94 2-Chlorobenzotrifluoride	180		9.318					ND	
95 Isopropylbenzene	105		9.409					ND	
96 Cyclohexanone	55		9.555					ND	U
97 Bromobenzene	156		9.744					ND	
98 1,1,2,2-Tetrachloroethane	83		9.787					ND	
99 1,2,3-Trichloropropane	110		9.817					ND	
101 trans-1,4-Dichloro-2-buten	53		9.835					ND	
100 N-Propylbenzene	91		9.841					ND	
102 2-Chlorotoluene	126		9.933					ND	
103 3-Chlorotoluene	126		9.999					ND	
104 1,3,5-Trimethylbenzene	105		10.018					ND	
105 4-Chlorotoluene	91		10.048					ND	
106 tert-Butylbenzene	134		10.340					ND	
107 Pentachloroethane	167		10.376					ND	
108 1,2,4-Trimethylbenzene	105		10.395					ND	
109 sec-Butylbenzene	105		10.553					ND	
110 1,3-Dichlorobenzene	146		10.675					ND	
111 4-Isopropyltoluene	119		10.693					ND	
112 Dicyclopentadiene	66		10.754					ND	U
113 1,4-Dichlorobenzene	146		10.766					ND	
114 1,2,3-Trimethylbenzene	105		10.802					ND	
143 Benzyl chloride	126		10.906					ND	
115 n-Butylbenzene	91		11.082					ND	
116 1,2-Dichlorobenzene	146		11.113					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837					ND	
118 1,3,5-Trichlorobenzene	180		11.995					ND	
119 1,2,4-Trichlorobenzene	180		12.530					ND	
120 Hexachlorobutadiene	225	12.652	12.658	-0.006	85	1970		0.2167	
121 Naphthalene	128		12.737					ND	
122 1,2,3-Trichlorobenzene	180		12.944					ND	
142 2-Methylnaphthalene	142		13.662					ND	
138 1-Bromopropane	1		0.000					ND	
133 Halothane	1		0.000					ND	
131 Aziridine TIC	1		0.000					ND	
136 Ethylene oxide TIC	1		0.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 126 Xylenes, Total	1		30.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	
T 150 1-Chloro-1-fluoroethane TI	47		2.000					ND	U
T 127 Ethanol TIC	1		0.000					ND	
T 137 Pentachloroethane TIC	1		0.000					ND	
T 132 Bromoethane TIC	1		0.000					ND	
T 129 tert-amyl alcohol TIC	1		0.000					ND	
T 10 Ethylene oxide	1		0.000					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 134 bis(chloromethyl)ether TIC	1		0.000					ND	
T 135 1-Bromopropane TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 130 Propene oxide TIC	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N1532.D

Injection Date: 16-Jul-2018 22:51:30

Instrument ID: HP5973N

Operator ID: AEM

Lims ID: MB

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

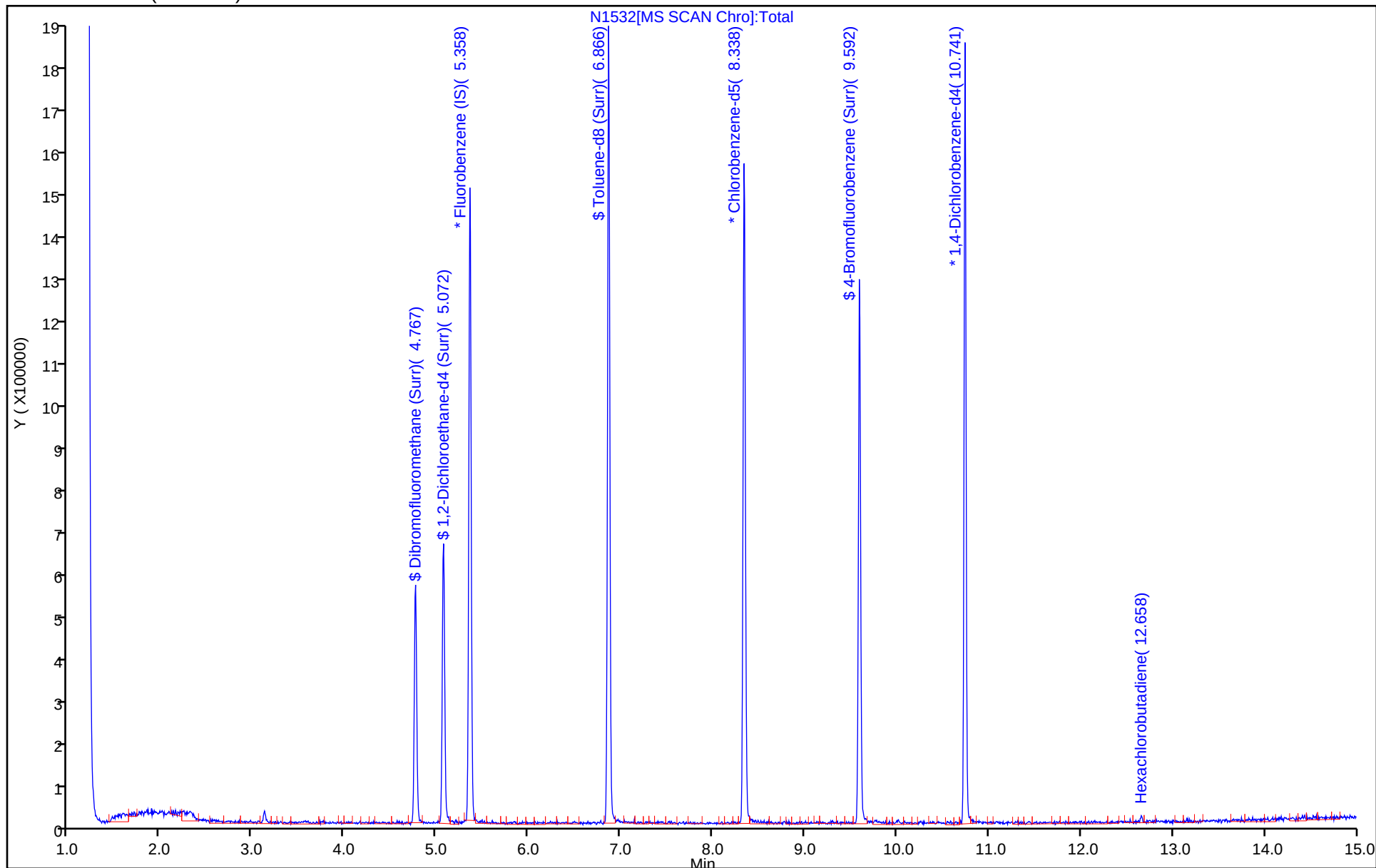
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N1532.D

Injection Date: 16-Jul-2018 22:51:30

Instrument ID: HP5973N

Lims ID: MB

Client ID:

Operator ID: AEM

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

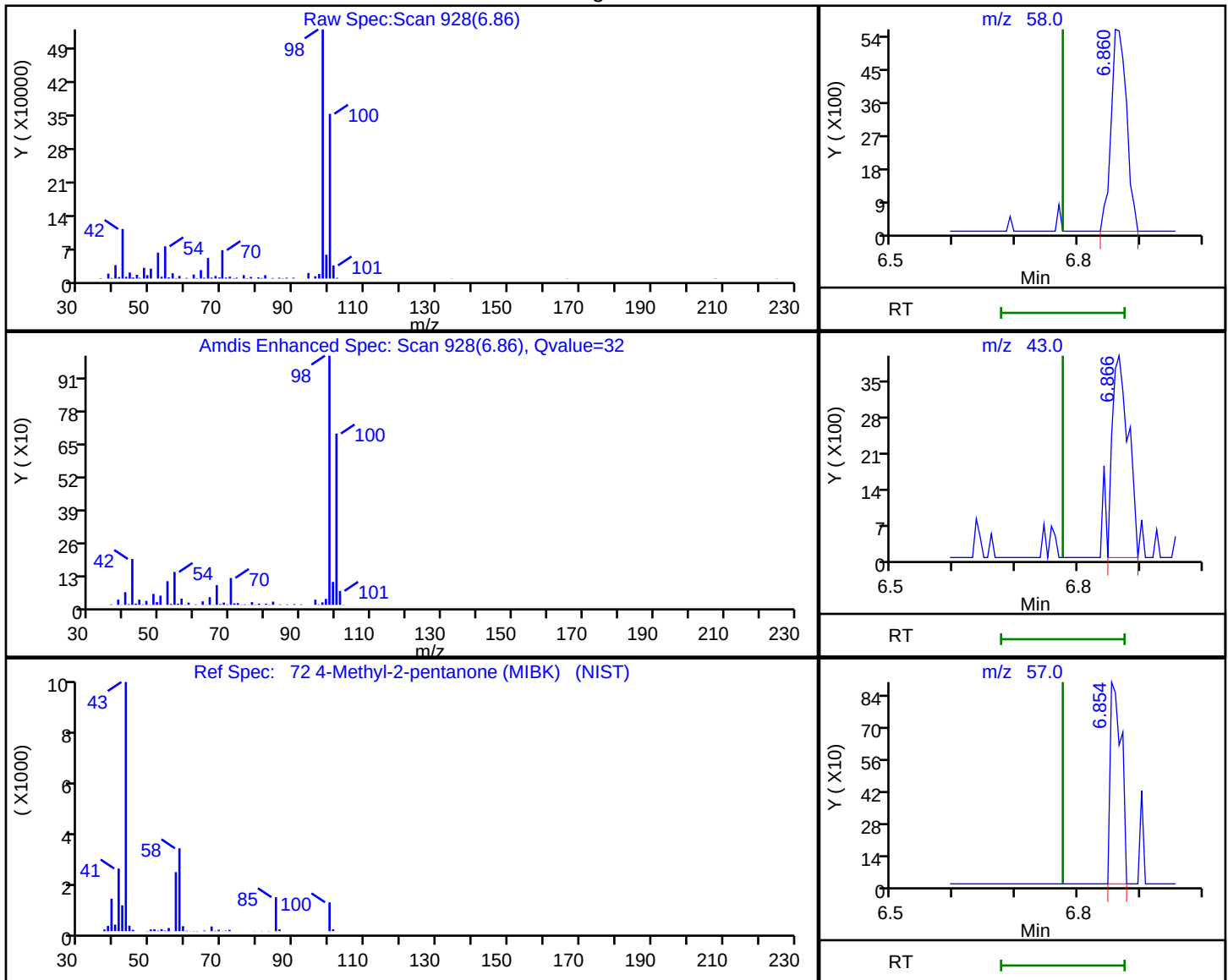
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.86	58.00	9603	1.459953
6.87	43.00	7056	
6.85	57.00	1110	

Reviewer: milligana, 16-Jul-2018 23:15:36

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-424746/7

Matrix: Water Lab File ID: N1559.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/17/2018 10:48

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 424746 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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-424746/7
 Matrix: Water Lab File ID: N1559.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/17/2018 10:48
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 424746 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)	114		77-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
2037-26-5	Toluene-d8 (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1559.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 17-Jul-2018 10:48:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0073134-007
 Operator ID: AM Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jul-2018 11:56:50 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: moffata

Date: 17-Jul-2018 11:56:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.357	5.358	-0.001	98	203674	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.345	-0.007	89	847002	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.742	-0.001	96	430084	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	0.000	92	306850	25.0	26.4	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	414972	25.0	28.6	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.861	0.000	94	1066048	25.0	23.9	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.591	-0.006	91	360656	25.0	25.9	
11 Dichlorodifluoromethane	85		1.300					ND	
12 Chlorodifluoromethane	51		1.318					ND	U
13 Chloromethane	50		1.470					ND	
14 Vinyl chloride	62		1.549					ND	
144 Butadiene	54		1.574					ND	
15 Bromomethane	94		1.847					ND	
16 Chloroethane	64		1.939					ND	
17 Dichlorofluoromethane	67		2.145					ND	
18 Trichlorofluoromethane	101		2.152					ND	
141 Ethanol	45		2.419					ND	
19 Ethyl ether	59		2.431					ND	
81 Propene oxide	58		2.504					ND	
20 Acrolein	56		2.583					ND	U
22 1,1-Dichloroethene	96		2.638					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644					ND	
23 Acetone	43		2.736					ND	U
24 Iodomethane	142		2.784					ND	
25 Carbon disulfide	76		2.833					ND	
26 Isopropyl alcohol	45		2.918					ND	U
27 3-Chloro-1-propene	41		2.991					ND	
29 Acetonitrile	40		3.015					ND	
28 Methyl acetate	43		3.034					ND	
30 Methylene Chloride	84		3.125					ND	
31 2-Methyl-2-propanol	59		3.283					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.356					ND	
33 trans-1,2-Dichloroethene	96		3.362					ND	
34 Acrylonitrile	53		3.387					ND	
35 Hexane	57		3.581					ND	
36 1,1-Dichloroethane	63		3.764					ND	
37 Isopropyl ether	45		3.800					ND	
39 Vinyl acetate	43		3.818					ND	
38 2-Chloro-1,3-butadiene	53		3.831					ND	
40 1,1-Dimethoxyethane	75		3.867					ND	
41 Tert-butyl ethyl ether	59		4.135					ND	
42 2,2-Dichloropropane	77		4.281					ND	
43 cis-1,2-Dichloroethene	96		4.311					ND	
44 2-Butanone (MEK)	43		4.336					ND	
45 Ethyl acetate	43		4.384					ND	
46 Propionitrile	54		4.421					ND	
48 Methacrylonitrile	67		4.536					ND	
47 Chlorobromomethane	128		4.536					ND	
49 Tetrahydrofuran	42		4.567					ND	
50 Chloroform	83		4.615					ND	
51 1,1,1-Trichloroethane	97		4.743					ND	
52 Cyclohexane	56		4.767					ND	
53 Carbon tetrachloride	117		4.889					ND	
54 1,1-Dichloropropene	75		4.895					ND	
56 Isobutyl alcohol	43		5.084					ND	
55 Benzene	78		5.096					ND	
146 Isooctane	57		5.120					ND	
57 1,2-Dichloroethane	62		5.145					ND	
140 t-Amyl alcohol	59		5.157					ND	
58 Tert-amyl methyl ether	73		5.181					ND	
59 n-Heptane	43		5.303					ND	
1 1,4-Difluorobenzene	114		5.467					ND	
60 Trichloroethene	95		5.704					ND	
61 n-Butanol	56		5.710					ND	
145 Ethyl acrylate	55		5.820					ND	
62 Methylcyclohexane	83		5.844					ND	
63 1,2-Dichloropropane	63		5.923					ND	
65 Methyl methacrylate	41		6.033					ND	
64 Dibromomethane	93		6.057					ND	
66 1,4-Dioxane	88		6.069					ND	
67 Dichlorobromomethane	83		6.209					ND	
68 2-Nitropropane	43		6.440					ND	
69 2-Chloroethyl vinyl ether	63		6.495					ND	
70 Epichlorohydrin	57		6.574					ND	
71 cis-1,3-Dichloropropene	75		6.629					ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775					ND	
73 Toluene	92		6.933					ND	
74 2-Methylthiophene	97		7.061					ND	
75 trans-1,3-Dichloropropene	75		7.195					ND	
76 3-Methylthiophene	97		7.225					ND	
77 Ethyl methacrylate	69		7.256					ND	
78 1,1,2-Trichloroethane	83		7.377					ND	
79 Tetrachloroethene	166		7.469					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 1,3-Dichloropropane	76		7.542					ND	
82 2-Hexanone	43		7.615					ND	
149 n-Butyl acetate	43		7.736					ND	
83 Chlorodibromomethane	129		7.773					ND	
84 Ethylene Dibromide	107		7.882					ND	
139 1-Chlorohexane	55		8.332					ND	U
86 3-Chlorobenzotrifluoride	180		8.345					ND	
85 Chlorobenzene	112		8.369					ND	
87 4-Chlorobenzotrifluoride	180		8.405					ND	
89 1,1,1,2-Tetrachloroethane	131		8.466					ND	
88 Ethylbenzene	91		8.472					ND	
90 m-Xylene & p-Xylene	106		8.594					ND	
91 o-Xylene	106		9.020					ND	
92 Styrene	104		9.044					ND	
93 Bromoform	173		9.275					ND	
94 2-Chlorobenzotrifluoride	180		9.318					ND	
95 Isopropylbenzene	105		9.409					ND	
96 Cyclohexanone	55		9.555					ND	U
97 Bromobenzene	156		9.744					ND	
98 1,1,2,2-Tetrachloroethane	83		9.780					ND	
99 1,2,3-Trichloropropane	110		9.817					ND	
101 trans-1,4-Dichloro-2-buten	53		9.835					ND	
100 N-Propylbenzene	91		9.841					ND	
102 2-Chlorotoluene	126		9.932					ND	
103 3-Chlorotoluene	126		9.999					ND	
104 1,3,5-Trimethylbenzene	105		10.018					ND	
105 4-Chlorotoluene	91		10.048					ND	
106 tert-Butylbenzene	134		10.340					ND	
107 Pentachloroethane	167		10.376					ND	
108 1,2,4-Trimethylbenzene	105		10.395					ND	
109 sec-Butylbenzene	105		10.553					ND	
110 1,3-Dichlorobenzene	146		10.675					ND	
111 4-Isopropyltoluene	119		10.693					ND	
112 Dicyclopentadiene	66		10.754					ND	U
113 1,4-Dichlorobenzene	146		10.766					ND	
114 1,2,3-Trimethylbenzene	105		10.802					ND	
143 Benzyl chloride	126		10.906					ND	
115 n-Butylbenzene	91		11.082					ND	
116 1,2-Dichlorobenzene	146		11.113					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837					ND	
118 1,3,5-Trichlorobenzene	180		11.995					ND	
119 1,2,4-Trichlorobenzene	180		12.530					ND	
120 Hexachlorobutadiene	225		12.658					ND	
121 Naphthalene	128		12.737					ND	
122 1,2,3-Trichlorobenzene	180		12.944					ND	
142 2-Methylnaphthalene	142		13.662					ND	
133 Halothane	1		0.000					ND	
138 1-Bromopropane	1		0.000					ND	
131 Aziridine TIC	1		0.000					ND	
136 Ethylene oxide TIC	1		0.000					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	
S 125 Total BTEX	1		30.000					ND	
T 150 1-Chloro-1-fluoroethane TI	47		2.000					ND	U
T 134 bis(chloromethyl)ether TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 135 1-Bromopropane TIC	1		0.000					ND	
T 130 Propene oxide TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 137 Pentachloroethane TIC	1		0.000					ND	
T 127 Ethanol TIC	1		0.000					ND	
T 132 Bromoethane TIC	1		0.000					ND	
T 10 Ethylene oxide	1		0.000					ND	
T 129 tert-amyl alcohol TIC	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1559.D

Injection Date: 17-Jul-2018 10:48:30

Instrument ID: HP5973N

Operator ID: AM

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

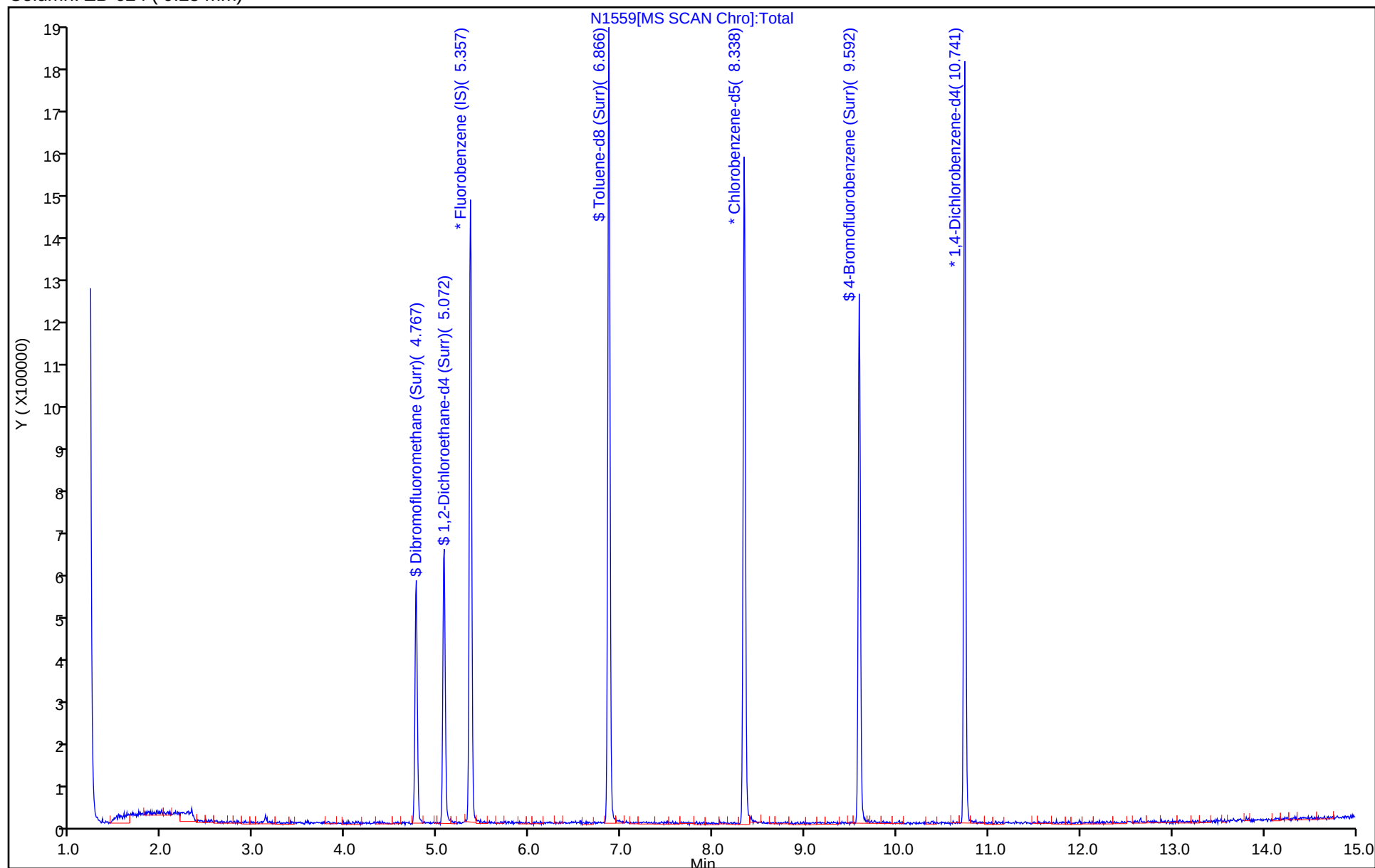
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1559.D

Injection Date: 17-Jul-2018 10:48:30

Instrument ID: HP5973N

Lims ID: MB

Client ID:

Operator ID: AM

ALS Bottle#:

6

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

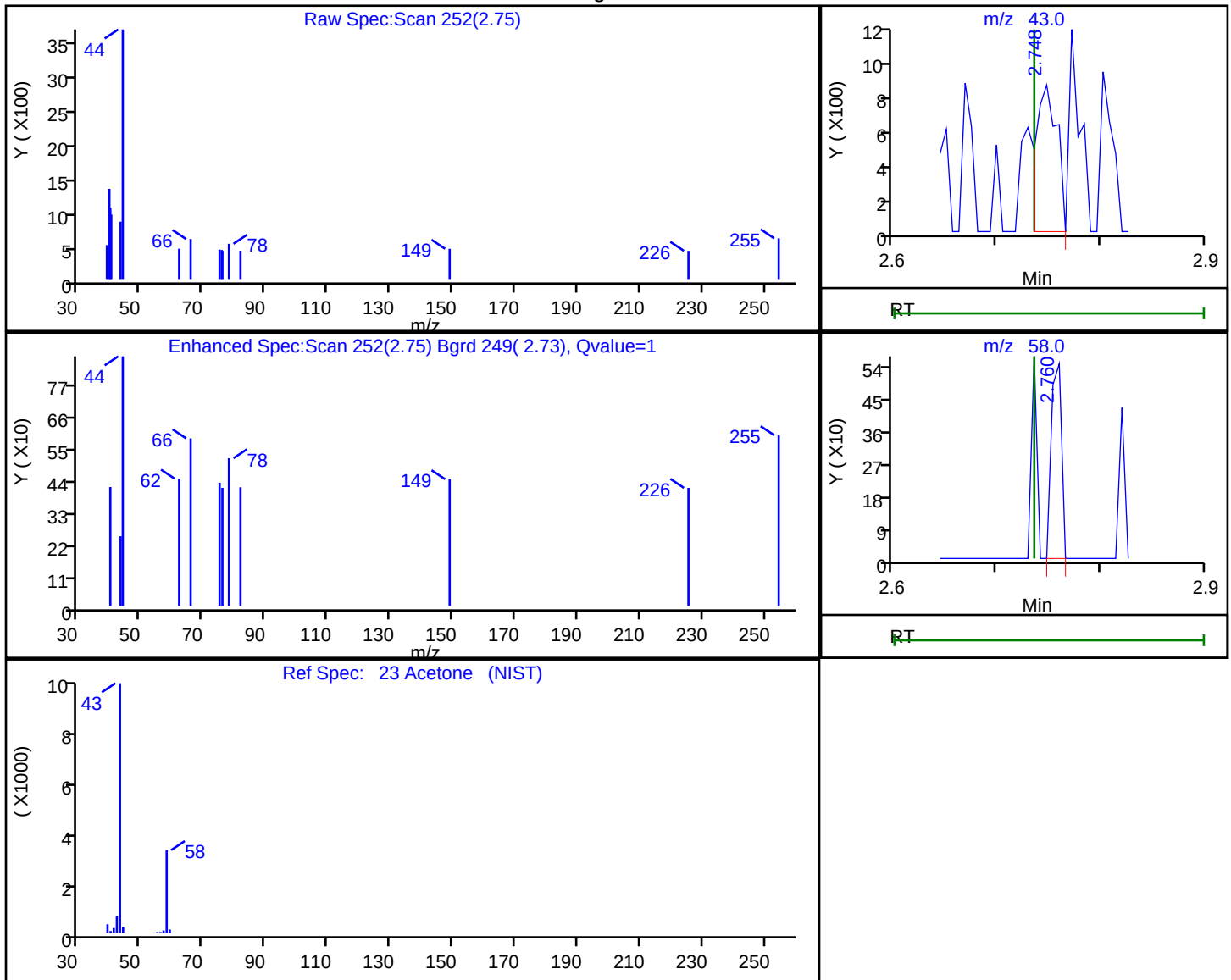
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.75	43.00	1182	0.289387
2.76	58.00	379	

Reviewer: moffata, 17-Jul-2018 11:11:54

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-424950/9

Matrix: Water Lab File ID: S3650.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/18/2018 12:35

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.: 424950 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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-424950/9
 Matrix: Water Lab File ID: S3650.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/18/2018 12:35
 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.: 424950 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)	96		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
2037-26-5	Toluene-d8 (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S3650.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 18-Jul-2018 12:35:30 ALS Bottle#: 12 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0073166-009
 Operator ID: AM Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jul-2018 16:49:42 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: carrolln

Date: 18-Jul-2018 16:50:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	135840	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	87	271499	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.894	-0.006	96	254922	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	56	154950	25.0	23.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.236	5.242	-0.006	98	101675	25.0	23.9	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.001	93	600360	25.0	22.7	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	87	193789	25.0	23.9	
10 Dichlorodifluoromethane	85		1.282					ND	
11 Chlorodifluoromethane	51		1.300					ND	
13 Vinyl chloride	62		1.555					ND	
151 Butadiene	54		1.580					ND	
14 Bromomethane	94		1.872					ND	
15 Chloroethane	64		1.969					ND	
17 Trichlorofluoromethane	101		2.200					ND	
18 Ethyl ether	59		2.498					ND	
148 Ethanol	45		2.517					ND	
19 Propene oxide	58		2.590					ND	
20 Acrolein	56		2.687					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.699					ND	
22 1,1-Dichloroethene	96		2.723					ND	
23 Acetone	43		2.851					ND	
25 Iodomethane	142		2.888					ND	
26 Carbon disulfide	76		2.924					ND	
24 Isopropyl alcohol	45		3.046					ND	
28 3-Chloro-1-propene	41		3.095					ND	
27 Methyl acetate	43		3.149					ND	
29 Acetonitrile	40		3.168					ND	
31 2-Methyl-2-propanol	59		3.423					ND	
32 Methyl tert-butyl ether	73		3.453					ND	
34 trans-1,2-Dichloroethene	96		3.472					ND	
33 Acrylonitrile	53		3.539					ND	

U

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
35 Hexane	57		3.660					ND	
139 Halothane	117		3.822					ND	
39 1,1-Dichloroethane	63		3.898					ND	
36 Isopropyl ether	45		3.904					ND	
37 Vinyl acetate	43		3.952					ND	
40 2-Chloro-1,3-butadiene	53		3.952					ND	
38 1,1-Dimethoxyethane	75		3.983					ND	
41 Tert-butyl ethyl ether	59		4.244					ND	
44 2,2-Dichloropropane	77		4.421					ND	
45 cis-1,2-Dichloroethene	96		4.457					ND	
43 2-Butanone (MEK)	43		4.500					ND	
42 Ethyl acetate	43		4.524					ND	
46 Propionitrile	54		4.609					ND	
48 Chlorobromomethane	128		4.694					ND	
49 Tetrahydrofuran	42		4.713					ND	
47 Methacrylonitrile	41		4.713					ND	
50 Chloroform	83		4.774					ND	
52 Cyclohexane	56		4.877					ND	
51 1,1,1-Trichloroethane	97		4.883					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.930					ND	
55 Carbon tetrachloride	117		5.017					ND	
54 1,1-Dichloropropene	75		5.035					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
152 Isooctane	57		5.224					ND	
57 Benzene	78		5.242					ND	
53 Isobutyl alcohol	43		5.266					ND	
56 Tert-amyl methyl ether	73		5.309					ND	
58 1,2-Dichloroethane	62		5.315					ND	
147 t-Amyl alcohol	59		5.315					ND	
59 n-Heptane	43		5.412					ND	
1 1,4-Difluorobenzene	114		5.619					ND	
62 Trichloroethene	95		5.850					ND	
60 n-Butanol	56		5.887					ND	
64 Methylcyclohexane	83		5.960					ND	
142 Ethyl acrylate	55		5.972					ND	
65 1,2-Dichloropropane	63		6.094					ND	
63 Methyl methacrylate	41		6.191					ND	
67 Dibromomethane	93		6.234					ND	
66 1,4-Dioxane	88		6.240					ND	
68 Dichlorobromomethane	83		6.386					ND	
70 2-Nitropropane	43		6.647					ND	
69 2-Chloroethyl vinyl ether	63		6.666					ND	
71 Epichlorohydrin	57		6.763					ND	
72 cis-1,3-Dichloropropene	75		6.805					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.951					ND	
74 Toluene	92		7.091					ND	
76 2-Methylthiophene	97		7.225					ND	
77 trans-1,3-Dichloropropene	75		7.371					ND	
78 3-Methylthiophene	97		7.390					ND	
75 Ethyl methacrylate	69		7.414					ND	
79 1,1,2-Trichloroethane	83		7.566					ND	
81 Tetrachloroethene	166		7.615					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
82 1,3-Dichloropropane	76		7.724					ND	
80 2-Hexanone	43		7.791					ND	
155 n-Butyl acetate	43		7.895					ND	
83 Chlorodibromomethane	129		7.961					ND	
84 Ethylene Dibromide	107		8.065					ND	
146 1-Chlorohexane	55		8.485					ND	U
85 3-Chlorobenzotrifluoride	180		8.509					ND	
87 Chlorobenzene	112		8.539					ND	
86 4-Chlorobenzotrifluoride	180		8.570					ND	
88 Ethylbenzene	91		8.631					ND	
89 1,1,1,2-Tetrachloroethane	131		8.637					ND	
90 m-Xylene & p-Xylene	106		8.752					ND	
91 o-Xylene	106		9.178					ND	
92 Styrene	104		9.208					ND	
95 Bromoform	173		9.464					ND	
93 2-Chlorobenzotrifluoride	180		9.488					ND	
94 Isopropylbenzene	105		9.561					ND	
96 Cyclohexanone	55		9.744					ND	
101 Bromobenzene	156		9.908					ND	
97 1,1,2,2-Tetrachloroethane	83		9.969					ND	
99 N-Propylbenzene	91		9.981					ND	
100 1,2,3-Trichloropropane	110		9.999					ND	
98 trans-1,4-Dichloro-2-buten	53		10.012					ND	
103 2-Chlorotoluene	126		10.091					ND	
104 3-Chlorotoluene	126		10.152					ND	
102 1,3,5-Trimethylbenzene	105		10.158					ND	
105 4-Chlorotoluene	126		10.200					ND	
106 tert-Butylbenzene	134		10.474					ND	
107 1,2,4-Trimethylbenzene	105		10.529					ND	
108 Pentachloroethane	167		10.541					ND	
109 sec-Butylbenzene	105		10.687					ND	
110 4-Isopropyltoluene	119		10.821					ND	
111 1,3-Dichlorobenzene	146		10.827					ND	
114 Dicyclopentadiene	66		10.888					ND	
113 1,4-Dichlorobenzene	146		10.912					ND	
112 1,2,3-Trimethylbenzene	105		10.936					ND	
150 Benzyl chloride	126		11.064					ND	
115 n-Butylbenzene	91		11.210					ND	
116 1,2-Dichlorobenzene	146		11.265					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995					ND	
118 1,3,5-Trichlorobenzene	180		12.117					ND	
119 1,2,4-Trichlorobenzene	180		12.664					ND	
120 Hexachlorobutadiene	225		12.767					ND	
121 Naphthalene	128		12.877					ND	
122 1,2,3-Trichlorobenzene	180		13.078					ND	
149 2-Methylnaphthalene	142		13.790					ND	
144 1-Bromopropane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
136 Nitrobenzene	77		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 157 Trihalomethanes, Total	1		0.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 131 1-Bromopropane	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 132 tert-amyl alcohol TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 133 Aziridine TIC	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S3650.D

Injection Date: 18-Jul-2018 12:35:30

Instrument ID: HP5973S

Operator ID: AM

Lims ID: MB

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

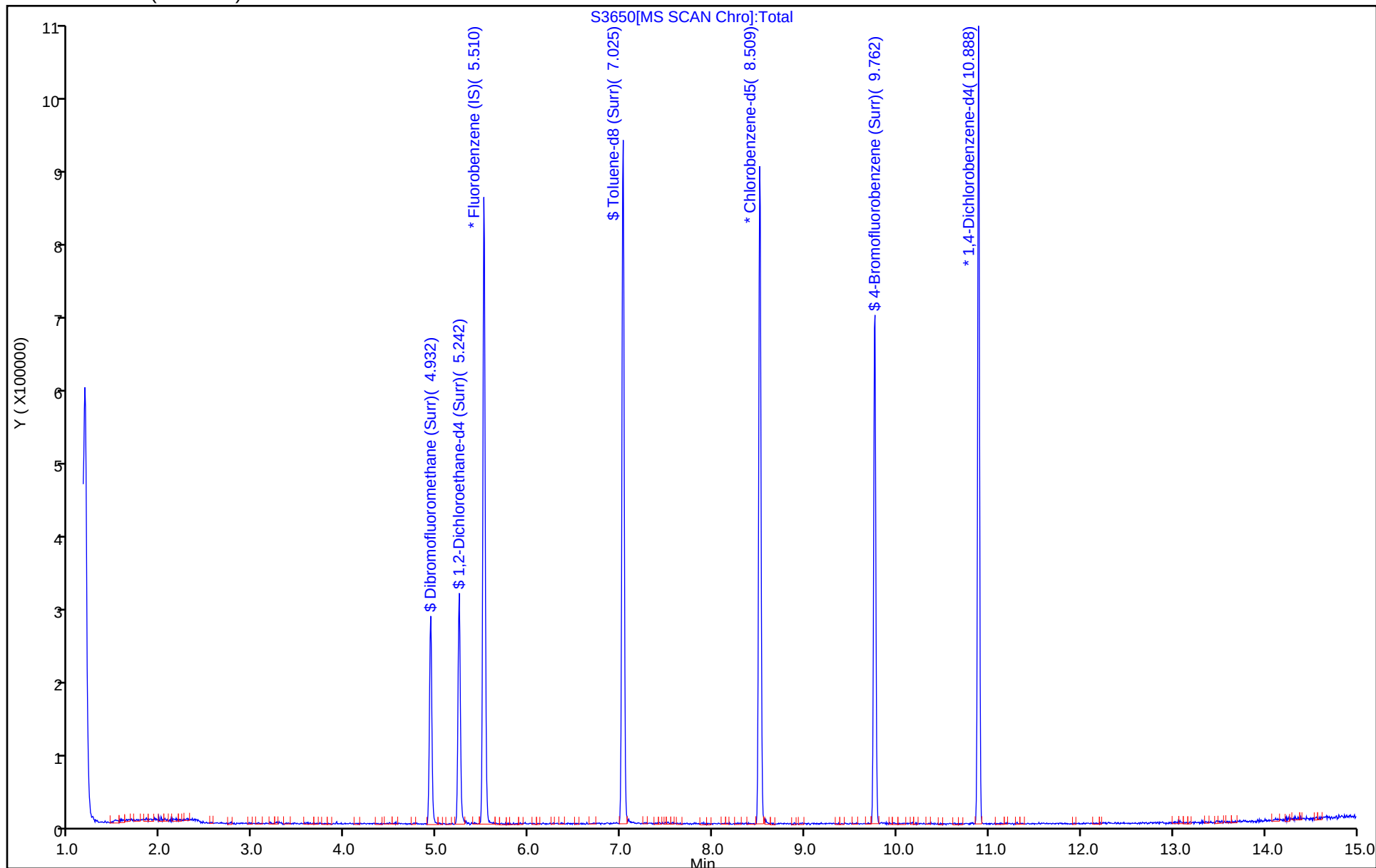
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-425155/7

Matrix: Water Lab File ID: S3671.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/18/2018 20:57

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.: 425155 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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-425155/7
 Matrix: Water Lab File ID: S3671.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/18/2018 20:57
 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.: 425155 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)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
2037-26-5	Toluene-d8 (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3671.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 18-Jul-2018 20:57:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0073194-007
 Operator ID: NC Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jul-2018 23:25:25 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: carrolln

Date: 19-Jul-2018 01:49:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	124147	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	87	258243	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	96	239457	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	59	148414	25.0	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	98	96329	25.0	24.8	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.025	0.000	92	578042	25.0	23.0	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	90	193587	25.0	25.1	
10 Dichlorodifluoromethane	85		1.282					ND	
11 Chlorodifluoromethane	51		1.312					ND	
12 Chloromethane	50		1.470					ND	
13 Vinyl chloride	62		1.549					ND	
151 Butadiene	54		1.580					ND	
14 Bromomethane	94		1.872					ND	
15 Chloroethane	64		1.975					ND	
17 Trichlorofluoromethane	101		2.194					ND	
16 Dichlorofluoromethane	67		2.200					ND	
18 Ethyl ether	59		2.498					ND	
148 Ethanol	45		2.529					ND	
19 Propene oxide	58		2.590					ND	
20 Acrolein	56		2.687					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.699					ND	
22 1,1-Dichloroethene	96		2.723					ND	
23 Acetone	43		2.851					ND	
25 Iodomethane	142		2.894					ND	
26 Carbon disulfide	76		2.918					ND	
24 Isopropyl alcohol	45		3.046					ND	
28 3-Chloro-1-propene	41		3.095					ND	
27 Methyl acetate	43		3.149					ND	
29 Acetonitrile	40		3.168					ND	
31 2-Methyl-2-propanol	59		3.429					ND	
32 Methyl tert-butyl ether	73		3.454					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 trans-1,2-Dichloroethene	96		3.472					ND	
33 Acrylonitrile	53		3.539					ND	
35 Hexane	57		3.660					ND	
139 Halothane	117		3.822					ND	
39 1,1-Dichloroethane	63		3.898					ND	
36 Isopropyl ether	45		3.904					ND	
37 Vinyl acetate	43		3.952					ND	
40 2-Chloro-1,3-butadiene	53		3.952					ND	
38 1,1-Dimethoxyethane	75		3.983					ND	
41 Tert-butyl ethyl ether	59		4.245					ND	
44 2,2-Dichloropropane	77		4.415					ND	
45 cis-1,2-Dichloroethene	96		4.457					ND	
43 2-Butanone (MEK)	43		4.494					ND	
42 Ethyl acetate	43		4.524					ND	
46 Propionitrile	54		4.610					ND	
48 Chlorobromomethane	128		4.695					ND	
49 Tetrahydrofuran	42		4.713					ND	
47 Methacrylonitrile	41		4.713					ND	
50 Chloroform	83		4.774					ND	
52 Cyclohexane	56		4.883					ND	
51 1,1,1-Trichloroethane	97		4.883					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.930					ND	
55 Carbon tetrachloride	117		5.017					ND	
54 1,1-Dichloropropene	75		5.029					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
152 Isooctane	57		5.224					ND	
57 Benzene	78		5.236					ND	
53 Isobutyl alcohol	43		5.266					ND	
58 1,2-Dichloroethane	62		5.309					ND	
56 Tert-amyl methyl ether	73		5.315					ND	
147 t-Amyl alcohol	59		5.315					ND	
59 n-Heptane	43		5.412					ND	
1 1,4-Difluorobenzene	114		5.619					ND	
62 Trichloroethene	95		5.850					ND	
60 n-Butanol	56		5.887					ND	
64 Methylcyclohexane	83		5.960					ND	
142 Ethyl acrylate	55		5.978					ND	
65 1,2-Dichloropropane	63		6.094					ND	
63 Methyl methacrylate	41		6.191					ND	
67 Dibromomethane	93		6.234					ND	
66 1,4-Dioxane	88		6.234					ND	
68 Dichlorobromomethane	83		6.386					ND	
70 2-Nitropropane	43		6.648					ND	
69 2-Chloroethyl vinyl ether	63		6.666					ND	
71 Epichlorohydrin	57		6.763					ND	
72 cis-1,3-Dichloropropene	75		6.806					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.952					ND	
74 Toluene	92		7.085					ND	
76 2-Methylthiophene	97		7.225					ND	
77 trans-1,3-Dichloropropene	75		7.371					ND	
78 3-Methylthiophene	97		7.396					ND	
75 Ethyl methacrylate	69		7.414					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		7.566					ND	
81 Tetrachloroethene	166		7.615					ND	
82 1,3-Dichloropropane	76		7.724					ND	
80 2-Hexanone	43		7.791					ND	
155 n-Butyl acetate	43		7.895					ND	
83 Chlorodibromomethane	129		7.961					ND	
84 Ethylene Dibromide	107		8.065					ND	
146 1-Chlorohexane	55		8.485					ND	U
85 3-Chlorobenzotrifluoride	180		8.503					ND	
87 Chlorobenzene	112		8.539					ND	
86 4-Chlorobenzotrifluoride	180		8.570					ND	
88 Ethylbenzene	91		8.631					ND	
89 1,1,1,2-Tetrachloroethane	131		8.637					ND	
90 m-Xylene & p-Xylene	106		8.746					ND	
91 o-Xylene	106		9.178					ND	
92 Styrene	104		9.209					ND	
95 Bromoform	173		9.464					ND	
93 2-Chlorobenzotrifluoride	180		9.489					ND	
94 Isopropylbenzene	105		9.561					ND	
96 Cyclohexanone	55		9.744					ND	
101 Bromobenzene	156		9.908					ND	
97 1,1,2,2-Tetrachloroethane	83		9.969					ND	
99 N-Propylbenzene	91		9.981					ND	
100 1,2,3-Trichloropropane	110		9.999					ND	
98 trans-1,4-Dichloro-2-buten	53		10.012					ND	
103 2-Chlorotoluene	126		10.091					ND	
104 3-Chlorotoluene	126		10.152					ND	
102 1,3,5-Trimethylbenzene	105		10.158					ND	
105 4-Chlorotoluene	126		10.200					ND	
106 tert-Butylbenzene	134		10.474					ND	
107 1,2,4-Trimethylbenzene	105		10.529					ND	
108 Pentachloroethane	167		10.541					ND	
109 sec-Butylbenzene	105		10.687					ND	
110 4-Isopropyltoluene	119		10.821					ND	
111 1,3-Dichlorobenzene	146		10.821					ND	
114 Dicyclopentadiene	66		10.888					ND	
113 1,4-Dichlorobenzene	146		10.912					ND	
112 1,2,3-Trimethylbenzene	105		10.936					ND	
150 Benzyl chloride	126		11.058					ND	
115 n-Butylbenzene	91		11.210					ND	
116 1,2-Dichlorobenzene	146		11.265					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995					ND	
118 1,3,5-Trichlorobenzene	180		12.117					ND	
119 1,2,4-Trichlorobenzene	180		12.664					ND	
120 Hexachlorobutadiene	225		12.767					ND	
121 Naphthalene	128		12.877					ND	
122 1,2,3-Trichlorobenzene	180		13.078					ND	
149 2-Methylnaphthalene	142		13.790					ND	
134 Pentachloroethane TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
137 Methyl acrylate	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
144 1-Bromopropane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 157 Trihalomethanes, Total	1		0.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 131 1-Bromopropane	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 132 tert-amyl alcohol TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 133 Aziridine TIC	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3671.D

Injection Date: 18-Jul-2018 20:57:30

Instrument ID: HP5973S

Operator ID: NC

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

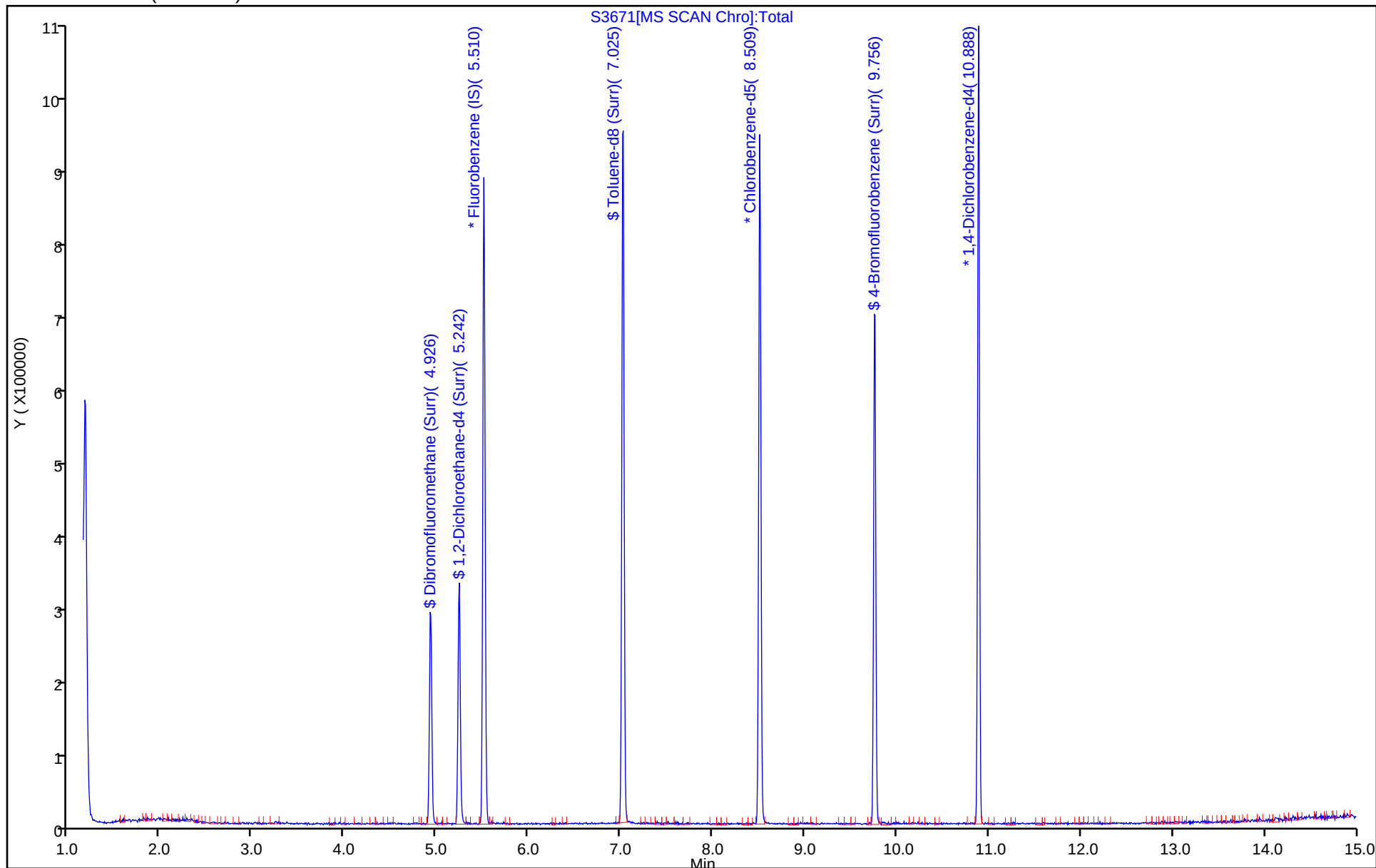
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-425702/27

Matrix: Water Lab File ID: N1706.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 00:07

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 425702 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.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-425702/27

Matrix: Water Lab File ID: N1706.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 00:07

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 425702 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)	99		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)	97		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1706.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 22-Jul-2018 00:07:30 ALS Bottle#: 7 Worklist Smp#: 27
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0073271-027
 Operator ID: LH Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Jul-2018 00:38:05 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: HillL

Date: 22-Jul-2018 00:38:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.357	5.358	-0.001	97	204610	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.339	-0.001	90	709871	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.742	-0.001	95	392988	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	-0.001	93	253353	25.0	24.3	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	342775	25.0	24.7	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	934960	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	93	323909	25.0	25.5	
11 Dichlorodifluoromethane	85		1.294					ND	
12 Chlorodifluoromethane	51		1.312					ND	
13 Chloromethane	50		1.464					ND	
14 Vinyl chloride	62		1.543					ND	
144 Butadiene	54		1.574					ND	
15 Bromomethane	94		1.847					ND	
16 Chloroethane	64		1.939					ND	U
17 Dichlorofluoromethane	67		2.139					ND	
18 Trichlorofluoromethane	101		2.145					ND	
141 Ethanol	45		2.407					ND	
19 Ethyl ether	59		2.431					ND	
81 Propene oxide	58		2.505					ND	
20 Acrolein	56		2.583					ND	U
22 1,1-Dichloroethene	96		2.632					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.644					ND	
23 Acetone	43		2.736					ND	U
24 Iodomethane	142		2.784					ND	
25 Carbon disulfide	76		2.827					ND	U
26 Isopropyl alcohol	45		2.912					ND	
27 3-Chloro-1-propene	41		2.991					ND	
29 Acetonitrile	40		3.016					ND	
28 Methyl acetate	43		3.040					ND	
30 Methylene Chloride	84	3.131	3.125	0.006	39	2671		0.1937	
31 2-Methyl-2-propanol	59		3.283					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.356					ND	
33 trans-1,2-Dichloroethene	96		3.362					ND	
34 Acrylonitrile	53		3.380					ND	
35 Hexane	57		3.581					ND	
36 1,1-Dichloroethane	63		3.764					ND	
37 Isopropyl ether	45		3.800					ND	
39 Vinyl acetate	43		3.818					ND	U
38 2-Chloro-1,3-butadiene	53		3.831					ND	
40 1,1-Dimethoxyethane	75		3.867					ND	
41 Tert-butyl ethyl ether	59		4.135					ND	
42 2,2-Dichloropropane	77		4.287					ND	
43 cis-1,2-Dichloroethene	96		4.305					ND	
44 2-Butanone (MEK)	43		4.335					ND	
45 Ethyl acetate	43		4.378					ND	U
46 Propionitrile	54		4.415					ND	
47 Chlorobromomethane	128		4.536					ND	
48 Methacrylonitrile	67		4.536					ND	
49 Tetrahydrofuran	42		4.567					ND	
50 Chloroform	83		4.615					ND	
51 1,1,1-Trichloroethane	97		4.743					ND	
52 Cyclohexane	56		4.767					ND	
53 Carbon tetrachloride	117		4.883					ND	
54 1,1-Dichloropropene	75		4.895					ND	
56 Isobutyl alcohol	43		5.090					ND	
55 Benzene	78		5.090					ND	
146 Isooctane	57		5.120					ND	
57 1,2-Dichloroethane	62		5.145					ND	
140 t-Amyl alcohol	59		5.151					ND	
58 Tert-amyl methyl ether	73		5.181					ND	
59 n-Heptane	43		5.303					ND	
1 1,4-Difluorobenzene	114		5.467					ND	
60 Trichloroethene	95		5.704					ND	
61 n-Butanol	56		5.711					ND	
145 Ethyl acrylate	55		5.820					ND	
62 Methylcyclohexane	83		5.838					ND	
63 1,2-Dichloropropane	63		5.923					ND	
65 Methyl methacrylate	41		6.039					ND	
64 Dibromomethane	93		6.057					ND	
66 1,4-Dioxane	88		6.075					ND	
67 Dichlorobromomethane	83		6.209					ND	
68 2-Nitropropane	43		6.447					ND	
69 2-Chloroethyl vinyl ether	63		6.495					ND	
70 Epichlorohydrin	57		6.568					ND	
71 cis-1,3-Dichloropropene	75		6.629					ND	
72 4-Methyl-2-pentanone (MIBK)	58		6.775					ND	U
73 Toluene	92		6.933					ND	
74 2-Methylthiophene	97		7.067					ND	
75 trans-1,3-Dichloropropene	75		7.195					ND	
76 3-Methylthiophene	97		7.225					ND	
77 Ethyl methacrylate	69		7.256					ND	
78 1,1,2-Trichloroethane	83		7.377					ND	
79 Tetrachloroethene	166		7.475					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 1,3-Dichloropropane	76		7.542					ND	
82 2-Hexanone	43		7.615					ND	
149 n-Butyl acetate	43		7.736					ND	
83 Chlorodibromomethane	129		7.779					ND	
84 Ethylene Dibromide	107		7.882					ND	
139 1-Chlorohexane	55		8.333					ND	U
86 3-Chlorobenzotrifluoride	180		8.345					ND	
85 Chlorobenzene	112		8.369					ND	
87 4-Chlorobenzotrifluoride	180		8.412					ND	
89 1,1,1,2-Tetrachloroethane	131		8.466					ND	
88 Ethylbenzene	91		8.472					ND	
90 m-Xylene & p-Xylene	106		8.594					ND	
91 o-Xylene	106		9.020					ND	
92 Styrene	104		9.044					ND	
93 Bromoform	173		9.269					ND	
94 2-Chlorobenzotrifluoride	180		9.318					ND	
95 Isopropylbenzene	105		9.409					ND	
96 Cyclohexanone	55		9.549					ND	U
97 Bromobenzene	156		9.744					ND	
98 1,1,2,2-Tetrachloroethane	83		9.786					ND	
99 1,2,3-Trichloropropane	110		9.817					ND	
101 trans-1,4-Dichloro-2-buten	53		9.835					ND	
100 N-Propylbenzene	91		9.841					ND	
102 2-Chlorotoluene	126		9.932					ND	
103 3-Chlorotoluene	126		9.999					ND	
104 1,3,5-Trimethylbenzene	105		10.024					ND	
105 4-Chlorotoluene	91		10.048					ND	
106 tert-Butylbenzene	134		10.340					ND	
107 Pentachloroethane	167		10.383					ND	
108 1,2,4-Trimethylbenzene	105		10.395					ND	
109 sec-Butylbenzene	105		10.553					ND	
110 1,3-Dichlorobenzene	146		10.675					ND	
111 4-Isopropyltoluene	119		10.693					ND	
112 Dicyclopentadiene	66		10.754					ND	U
113 1,4-Dichlorobenzene	146		10.766					ND	
114 1,2,3-Trimethylbenzene	105		10.803					ND	
143 Benzyl chloride	126		10.906					ND	
115 n-Butylbenzene	91		11.082					ND	
116 1,2-Dichlorobenzene	146		11.119					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.837					ND	
118 1,3,5-Trichlorobenzene	180		11.995					ND	
119 1,2,4-Trichlorobenzene	180		12.530					ND	
120 Hexachlorobutadiene	225		12.658					ND	
121 Naphthalene	128		12.743					ND	
122 1,2,3-Trichlorobenzene	180		12.944					ND	
142 2-Methylnaphthalene	142		13.662					ND	
133 Halothane	1		0.000					ND	
138 1-Bromopropane	1		0.000					ND	
131 Aziridine TIC	1		0.000					ND	
136 Ethylene oxide TIC	1		0.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 126 Xylenes, Total	1		30.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	
T 150 1-Chloro-1-fluoroethane TI	47	1.689	2.000	-0.311	1	186		0	
T 10 Ethylene oxide	1		0.000					ND	
T 129 tert-amyl alcohol TIC	1		0.000					ND	
T 137 Pentachloroethane TIC	1		0.000					ND	
T 132 Bromoethane 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 134 bis(chloromethyl)ether TIC	1		0.000					ND	
T 130 Propene oxide TIC	1		0.000					ND	
T 135 1-Bromopropane TIC	1		0.000					ND	
T 127 Ethanol TIC	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1706.D

Injection Date: 22-Jul-2018 00:07:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: MB

Worklist Smp#: 27

Client ID:

Purge Vol: 5.000 mL

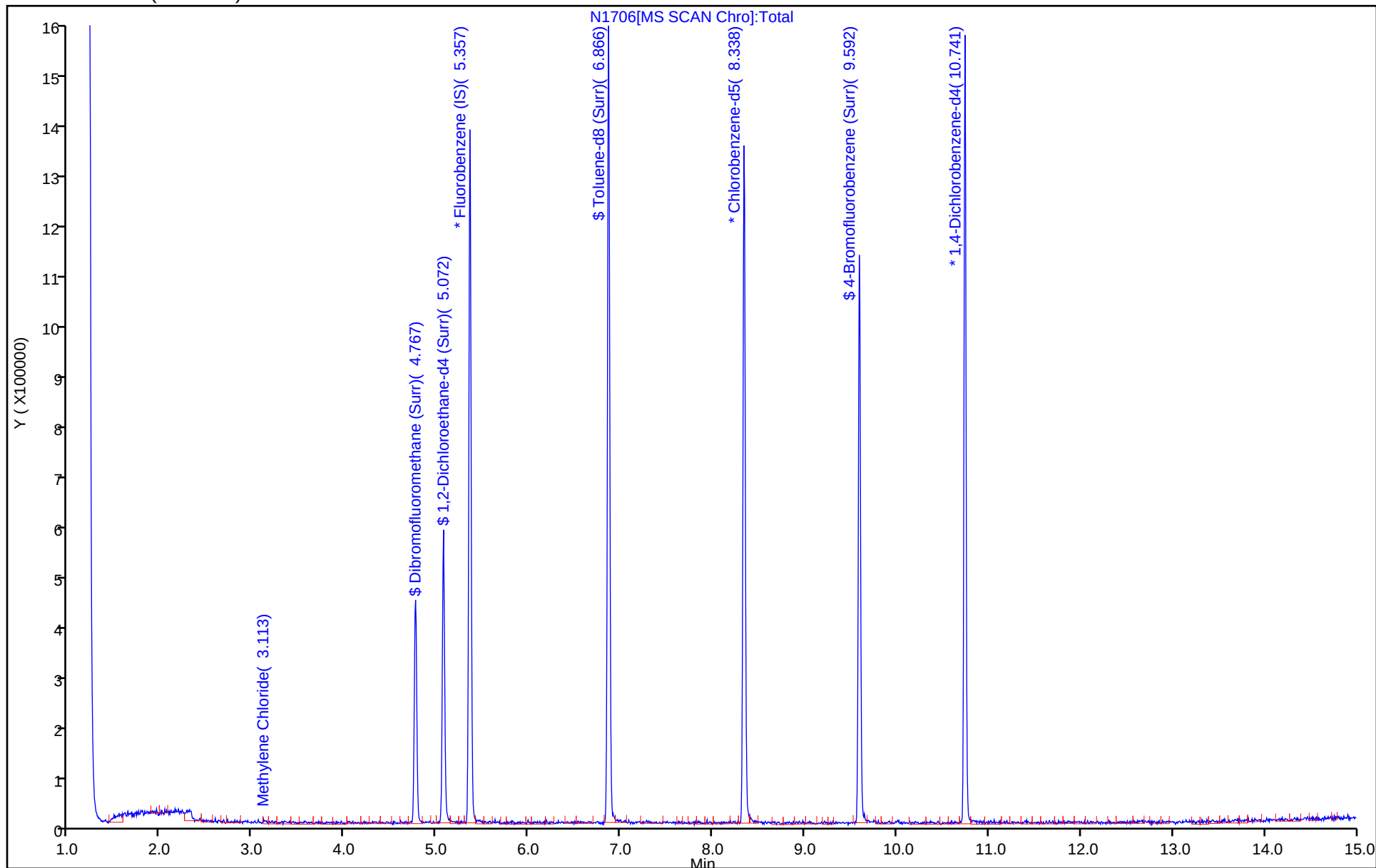
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1706.D

Injection Date: 22-Jul-2018 00:07:30

Instrument ID: HP5973N

Lims ID: MB

Client ID:

Operator ID: LH

ALS Bottle#:

7

Worklist Smp#: 27

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

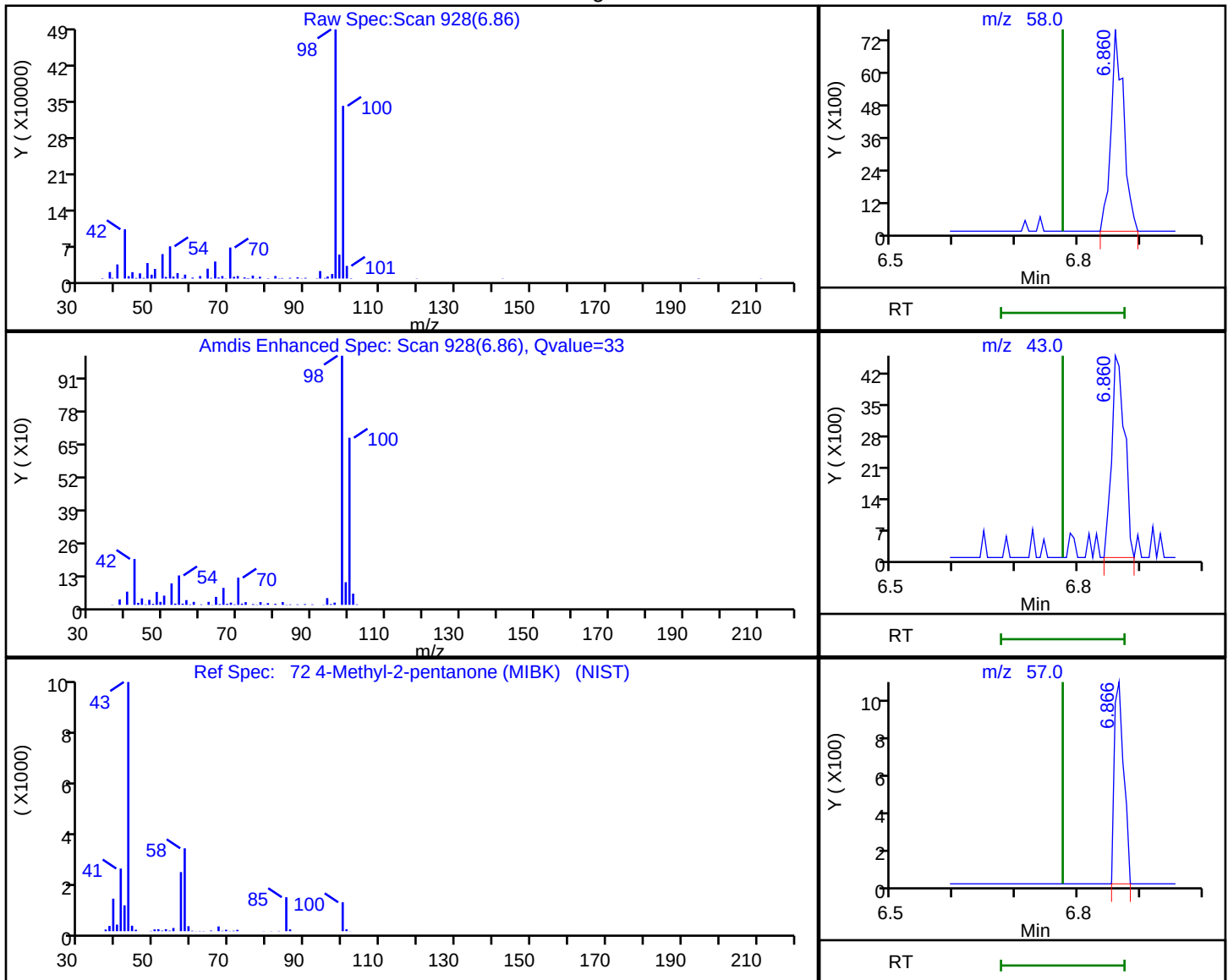
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
6.86	58.00	10732	1.490531
6.86	43.00	6648	
6.87	57.00	1118	

Reviewer: HillL, 22-Jul-2018 00:37:25

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1706.D

Injection Date: 22-Jul-2018 00:07:30

Instrument ID: HP5973N

Lims ID: MB

Client ID:

Operator ID: LH

ALS Bottle#:

7

Worklist Smp#: 27

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

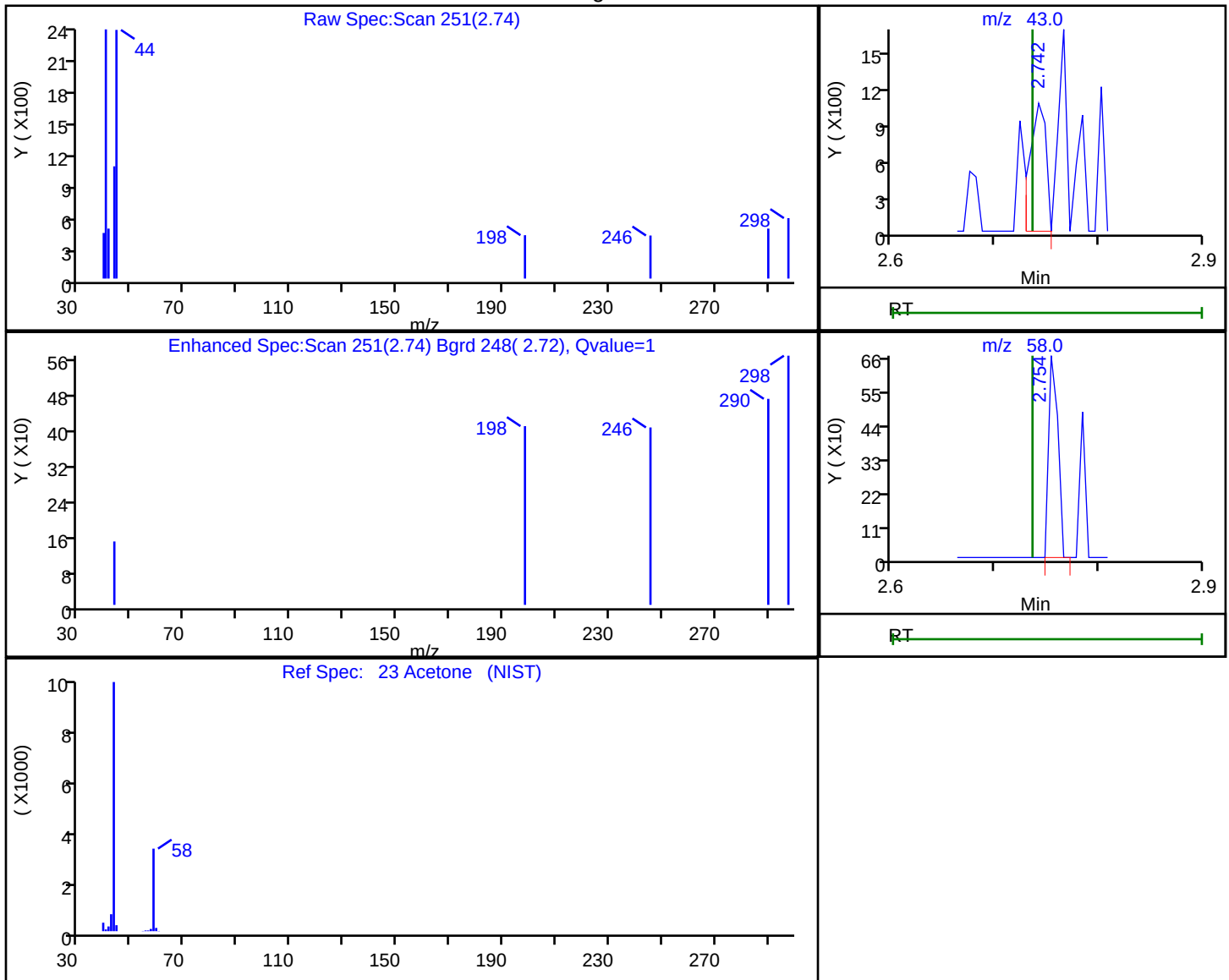
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.74	43.00	1139	0.195617
2.75	58.00	411	

Reviewer: HillL, 22-Jul-2018 00:37:15

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1706.D

Injection Date: 22-Jul-2018 00:07:30

Instrument ID: HP5973N

Lims ID: MB

Client ID:

Operator ID: LH

ALS Bottle#:

7

Worklist Smp#: 27

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: N-8260

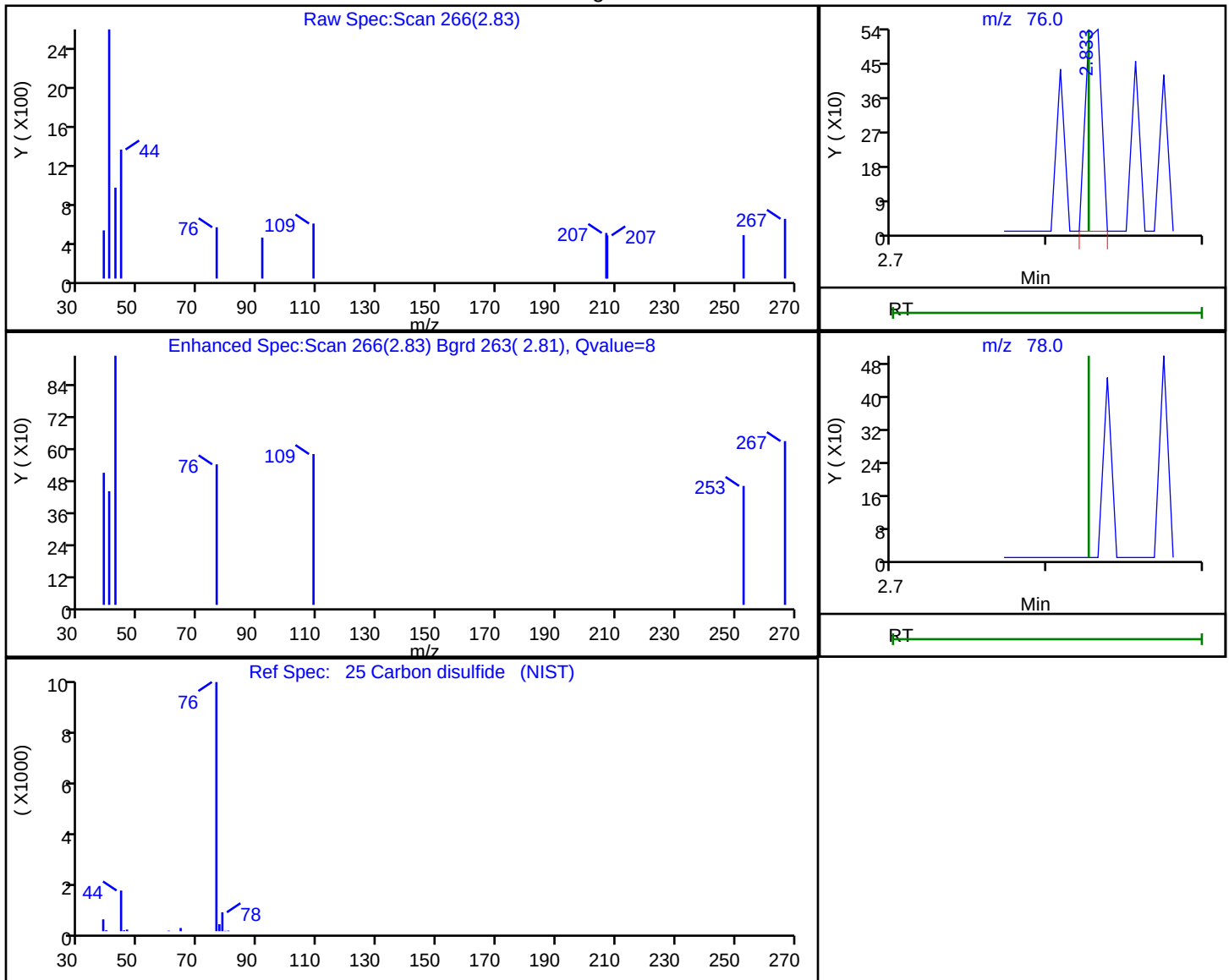
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

25 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.83	76.00	381	0.012226
2.83	78.00	0	

Reviewer: Hill, 22-Jul-2018 00:37:16

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1706.D

Injection Date: 22-Jul-2018 00:07:30

Instrument ID: HP5973N

Lims ID: MB

Client ID:

Operator ID: LH

ALS Bottle#:

7

Worklist Smp#: 27

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: N-8260

Limit Group:

MV - 8260C ICAL

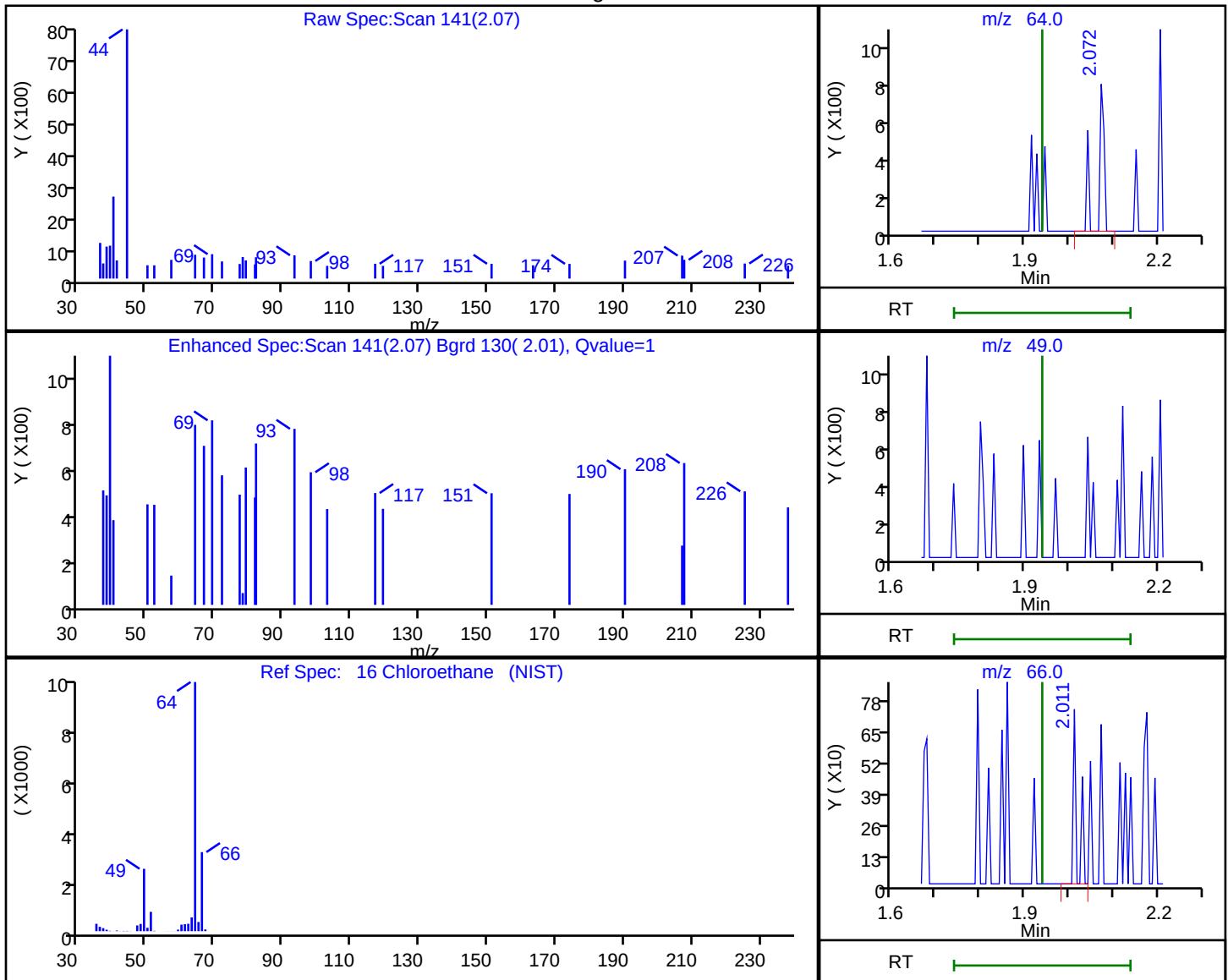
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.07	64.00	660	0.064741
2.01	66.00	435	
1.94	49.00	0	

Reviewer: HillL, 22-Jul-2018 00:37:11

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-425707/7

Matrix: Water Lab File ID: S3764.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 10:48

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 425707 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.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-425707/7

Matrix: Water Lab File ID: S3764.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 10:48

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 425707 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)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3764.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 22-Jul-2018 10:48:30 ALS Bottle#: 8 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0073273-007
 Operator ID: AM Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Jul-2018 11:50:47 Calib Date: 20-Jul-2018 00:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3725.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: moffata

Date: 22-Jul-2018 11:50:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	210168	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	85	437961	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.894	-0.006	96	395196	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	59	254582	25.0	25.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	92	158314	25.0	25.0	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.030	0.000	93	961330	25.0	24.7	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.769	0.000	90	292572	25.0	24.7	
10 Dichlorodifluoromethane	85		1.288					ND	
11 Chlorodifluoromethane	51		1.306					ND	
12 Chloromethane	50		1.464					ND	U
13 Vinyl chloride	62		1.549					ND	
151 Butadiene	54		1.580					ND	
14 Bromomethane	94		1.884					ND	
15 Chloroethane	64		1.981					ND	
17 Trichlorofluoromethane	101		2.194					ND	
16 Dichlorofluoromethane	67		2.206					ND	
18 Ethyl ether	59		2.498					ND	
148 Ethanol	45		2.511					ND	U
19 Propene oxide	58		2.590					ND	
20 Acrolein	56		2.687					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.693					ND	
22 1,1-Dichloroethene	96		2.723					ND	
23 Acetone	43		2.851					ND	
25 Iodomethane	142		2.894					ND	
26 Carbon disulfide	76		2.930					ND	U
24 Isopropyl alcohol	45		3.040					ND	
28 3-Chloro-1-propene	41		3.095					ND	
27 Methyl acetate	43		3.149					ND	
29 Acetonitrile	40		3.168					ND	U
30 Methylene Chloride	84		3.259					ND	U
31 2-Methyl-2-propanol	59		3.423					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.454					ND	
34 trans-1,2-Dichloroethene	96		3.472					ND	
33 Acrylonitrile	53		3.539					ND	
35 Hexane	57		3.666					ND	
139 Halothane	117		3.822					ND	
39 1,1-Dichloroethane	63		3.898					ND	
36 Isopropyl ether	45		3.904					ND	
37 Vinyl acetate	43		3.952					ND	
40 2-Chloro-1,3-butadiene	53		3.952					ND	
38 1,1-Dimethoxyethane	75		3.983					ND	
41 Tert-butyl ethyl ether	59		4.244					ND	
44 2,2-Dichloropropane	77		4.421					ND	
45 cis-1,2-Dichloroethene	96		4.457					ND	
43 2-Butanone (MEK)	43		4.494					ND	
42 Ethyl acetate	43		4.524					ND	
46 Propionitrile	54		4.609					ND	U
48 Chlorobromomethane	128		4.695					ND	
49 Tetrahydrofuran	42		4.713					ND	
47 Methacrylonitrile	41		4.713					ND	
50 Chloroform	83		4.774					ND	
51 1,1,1-Trichloroethane	97		4.883					ND	
52 Cyclohexane	56		4.883					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.930					ND	
55 Carbon tetrachloride	117		5.017					ND	
54 1,1-Dichloropropene	75		5.035					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
152 Isooctane	57		5.230					ND	
57 Benzene	78		5.242					ND	
53 Isobutyl alcohol	43		5.266					ND	
56 Tert-amyl methyl ether	73		5.309					ND	
58 1,2-Dichloroethane	62		5.315					ND	
147 t-Amyl alcohol	59		5.321					ND	
59 n-Heptane	43		5.412					ND	
1 1,4-Difluorobenzene	114		5.625					ND	
62 Trichloroethene	95		5.850					ND	
60 n-Butanol	56		5.887					ND	
64 Methylcyclohexane	83		5.966					ND	
142 Ethyl acrylate	55		5.978					ND	
65 1,2-Dichloropropane	63		6.094					ND	
63 Methyl methacrylate	41		6.191					ND	
67 Dibromomethane	93		6.234					ND	
66 1,4-Dioxane	88		6.240					ND	
68 Dichlorobromomethane	83		6.386					ND	
70 2-Nitropropane	43		6.647					ND	U
69 2-Chloroethyl vinyl ether	63		6.666					ND	
71 Epichlorohydrin	57		6.769					ND	
72 cis-1,3-Dichloropropene	75		6.806					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.952					ND	
74 Toluene	92		7.091					ND	
76 2-Methylthiophene	97		7.231					ND	
77 trans-1,3-Dichloropropene	75		7.377					ND	
78 3-Methylthiophene	97		7.396					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		7.414					ND	
79 1,1,2-Trichloroethane	83		7.566					ND	
81 Tetrachloroethene	166		7.621					ND	
82 1,3-Dichloropropane	76		7.730					ND	
80 2-Hexanone	43		7.791					ND	
155 n-Butyl acetate	43		7.895					ND	
83 Chlorodibromomethane	129		7.968					ND	
84 Ethylene Dibromide	107		8.071					ND	
146 1-Chlorohexane	55		8.491					ND	U
85 3-Chlorobenzotrifluoride	180		8.509					ND	
87 Chlorobenzene	112		8.539					ND	
86 4-Chlorobenzotrifluoride	180		8.570					ND	
88 Ethylbenzene	91		8.631					ND	
89 1,1,1,2-Tetrachloroethane	131		8.637					ND	
90 m-Xylene & p-Xylene	106		8.752					ND	
91 o-Xylene	106		9.178					ND	
92 Styrene	104		9.209					ND	
95 Bromoform	173		9.470					ND	
93 2-Chlorobenzotrifluoride	180		9.488					ND	
94 Isopropylbenzene	105		9.561					ND	
96 Cyclohexanone	55		9.744					ND	
101 Bromobenzene	156		9.908					ND	
97 1,1,2,2-Tetrachloroethane	83		9.969					ND	
99 N-Propylbenzene	91		9.987					ND	
100 1,2,3-Trichloropropane	110		9.999					ND	
98 trans-1,4-Dichloro-2-buten	53		10.018					ND	
103 2-Chlorotoluene	126		10.091					ND	
104 3-Chlorotoluene	126		10.158					ND	
102 1,3,5-Trimethylbenzene	105		10.164					ND	
105 4-Chlorotoluene	126		10.200					ND	
106 tert-Butylbenzene	134		10.480					ND	
107 1,2,4-Trimethylbenzene	105		10.529					ND	
108 Pentachloroethane	167		10.541					ND	
109 sec-Butylbenzene	105		10.687					ND	U
111 1,3-Dichlorobenzene	146		10.827					ND	
110 4-Isopropyltoluene	119		10.827					ND	
114 Dicyclopentadiene	66		10.888					ND	
113 1,4-Dichlorobenzene	146		10.912					ND	
112 1,2,3-Trimethylbenzene	105		10.936					ND	
150 Benzyl chloride	126		11.058					ND	
115 n-Butylbenzene	91		11.210					ND	
116 1,2-Dichlorobenzene	146		11.265					ND	
117 1,2-Dibromo-3-Chloropropan	75		11.995					ND	
118 1,3,5-Trichlorobenzene	180		12.123					ND	
119 1,2,4-Trichlorobenzene	180		12.664					ND	
120 Hexachlorobutadiene	225		12.767					ND	
121 Naphthalene	128		12.877					ND	
122 1,2,3-Trichlorobenzene	180		13.078					ND	
149 2-Methylnaphthalene	142		13.790					ND	
137 Methyl acrylate	1		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
145 Ethylene oxide TIC	1		0.000					ND	
135 Hexachloroethane	117		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	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 157 Trihalomethanes, Total	1		0.000					ND	
T 7 Ethylene oxide	44		1.528					ND	U
T 156 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 133 Aziridine TIC	1		0.000					ND	
T 131 1-Bromopropane	1		0.000					ND	
T 132 tert-amyl alcohol TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3764.D

Injection Date: 22-Jul-2018 10:48:30

Instrument ID: HP5973S

Operator ID: AM

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

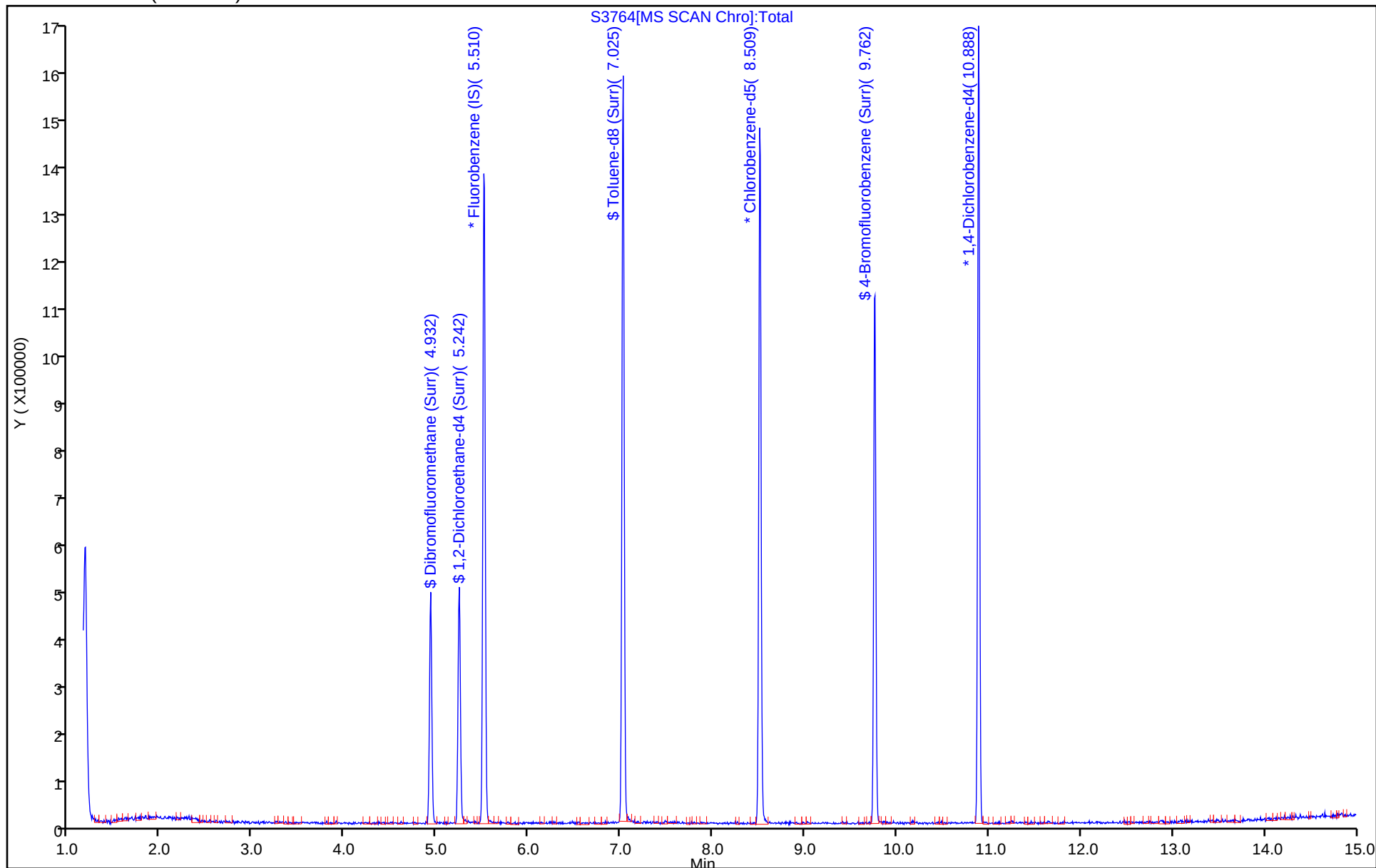
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3764.D

Injection Date: 22-Jul-2018 10:48:30

Instrument ID: HP5973S

Lims ID: MB

Client ID:

Operator ID: AM

ALS Bottle#:

8

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

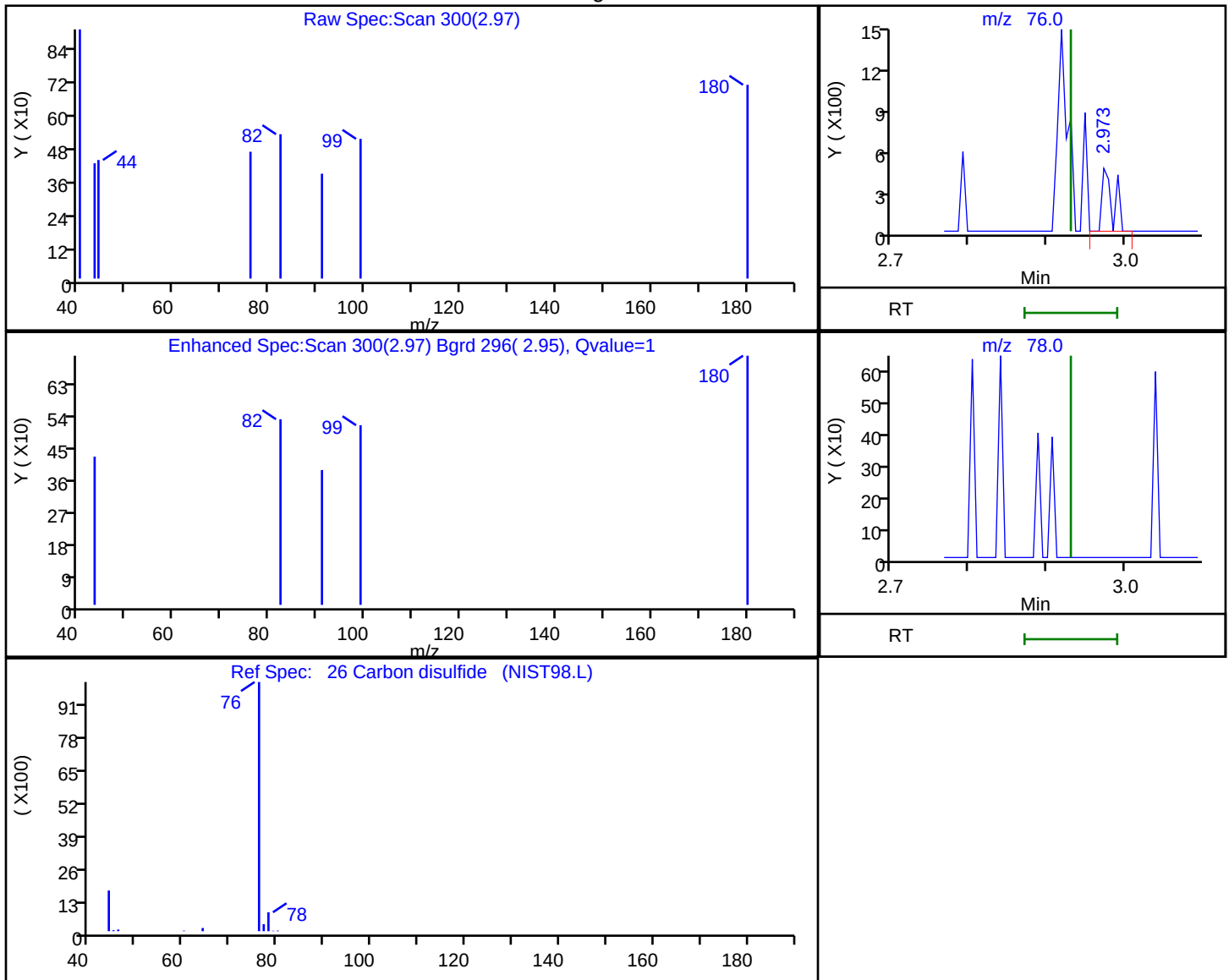
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

26 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.97	76.00	459	0.016222
2.93	78.00	0	

Reviewer: moffata, 22-Jul-2018 11:50:06

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3764.D

Injection Date: 22-Jul-2018 10:48:30

Instrument ID: HP5973S

Lims ID: MB

Client ID:

Operator ID: AM

ALS Bottle#:

8

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

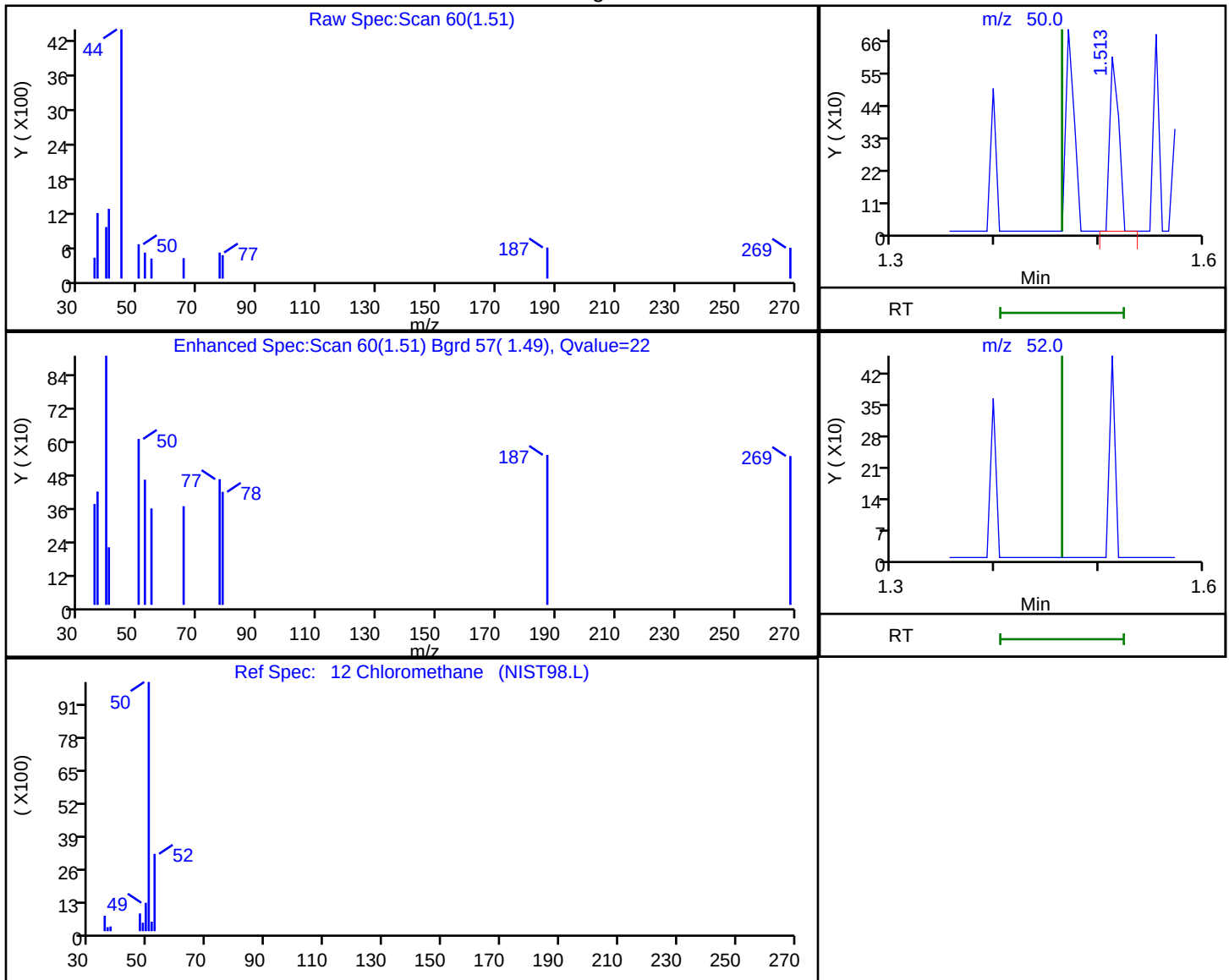
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

12 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.51	50.00	364	0.020154
1.46	52.00	0	

Reviewer: moffata, 22-Jul-2018 11:50:01

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3764.D

Injection Date: 22-Jul-2018 10:48:30

Instrument ID: HP5973S

Lims ID: MB

Client ID:

Operator ID: AM

ALS Bottle#:

8

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: S-8260

Limit Group:

MV - 8260C ICAL

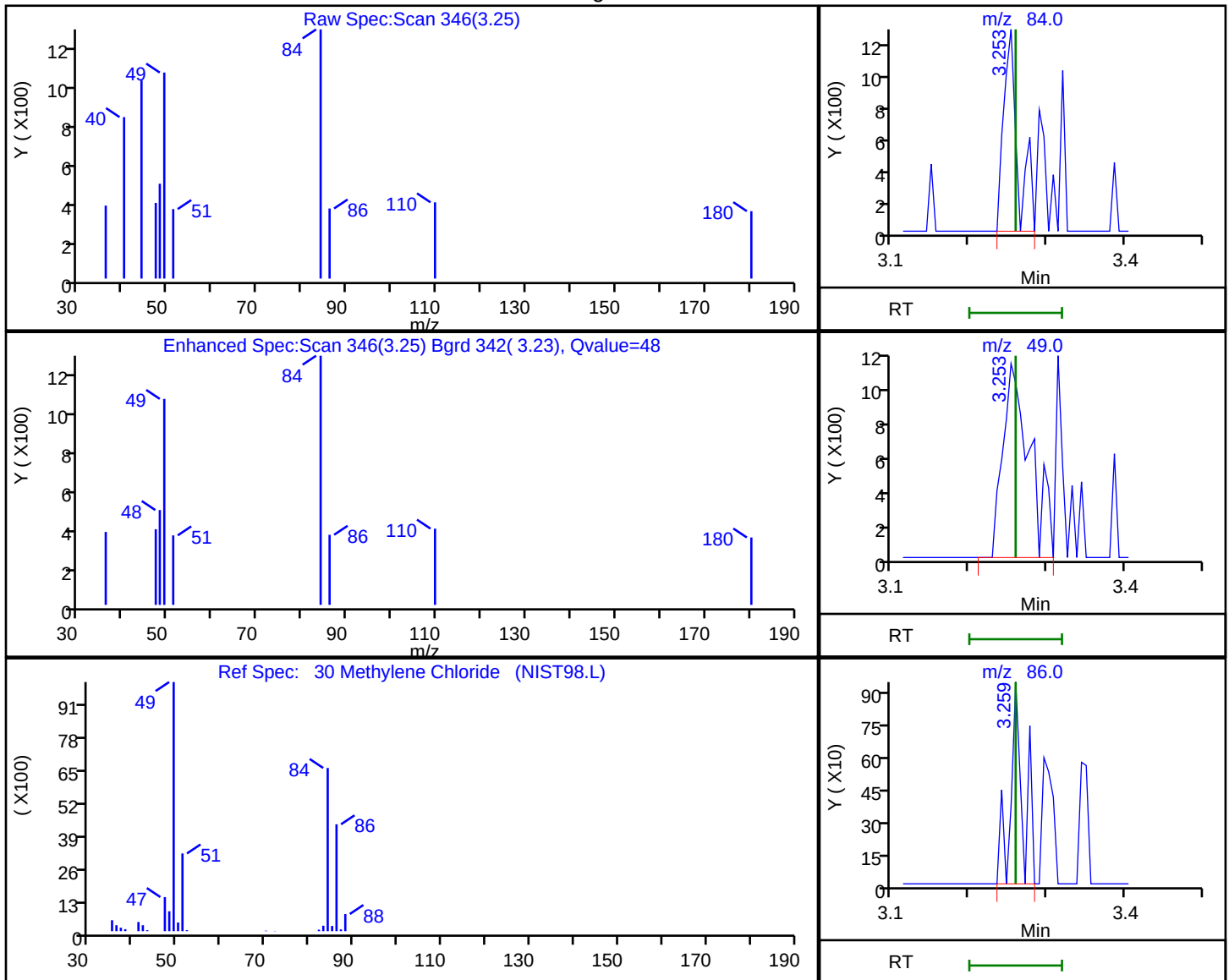
Column: ZB-624 (0.25 mm)

Detector

MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
3.25	84.00	1653	-0.551386
3.25	49.00	2628	
3.26	86.00	1082	

Reviewer: moffata, 22-Jul-2018 11:50:09

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-424504/5

Matrix: Water Lab File ID: N1476.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/15/2018 09:56

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 424504 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.5		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.9		1.0	0.31
79-00-5	1,1,2-Trichloroethane	25.4		1.0	0.23
75-34-3	1,1-Dichloroethane	24.6		1.0	0.38
75-35-4	1,1-Dichloroethene	22.3		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	23.1		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	21.9		1.0	0.39
106-93-4	1,2-Dibromoethane	24.6		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.0		1.0	0.79
107-06-2	1,2-Dichloroethane	26.1		1.0	0.21
78-87-5	1,2-Dichloropropane	24.9		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.1		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.5		1.0	0.84
78-93-3	2-Butanone (MEK)	181		10	1.3
591-78-6	2-Hexanone	176		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	152		5.0	2.1
67-64-1	Acetone	194		10	3.0
71-43-2	Benzene	23.7		1.0	0.41
75-27-4	Bromodichloromethane	24.7		1.0	0.39
75-25-2	Bromoform	24.5		1.0	0.26
74-83-9	Bromomethane	25.0		1.0	0.69
75-15-0	Carbon disulfide	21.2		1.0	0.19
56-23-5	Carbon tetrachloride	25.2		1.0	0.27
108-90-7	Chlorobenzene	23.6		1.0	0.75
75-00-3	Chloroethane	28.1		1.0	0.32
67-66-3	Chloroform	23.4		1.0	0.34
74-87-3	Chloromethane	26.6		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	22.2		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	23.5		1.0	0.36
110-82-7	Cyclohexane	26.5		1.0	0.18
124-48-1	Dibromochloromethane	23.5		1.0	0.32
75-71-8	Dichlorodifluoromethane	20.1		1.0	0.68
100-41-4	Ethylbenzene	23.6		1.0	0.74
98-82-8	Isopropylbenzene	23.3		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-424504/5
 Matrix: Water Lab File ID: N1476.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/15/2018 09:56
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 424504 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	60.5		2.5	1.3
1634-04-4	Methyl tert-butyl ether	23.0		1.0	0.16
108-87-2	Methylcyclohexane	25.3		1.0	0.16
75-09-2	Methylene Chloride	19.7		1.0	0.44
100-42-5	Styrene	24.8		1.0	0.73
127-18-4	Tetrachloroethene	26.0		1.0	0.36
108-88-3	Toluene	23.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	22.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.4		1.0	0.37
79-01-6	Trichloroethene	24.1		1.0	0.46
75-69-4	Trichlorofluoromethane	26.1		1.0	0.88
75-01-4	Vinyl chloride	23.9		1.0	0.90
1330-20-7	Xylenes, Total	47.5		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
2037-26-5	Toluene-d8 (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1476.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 15-Jul-2018 09:56:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0073087-005
 Operator ID: AM Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 15-Jul-2018 12:18:47 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK006

First Level Reviewer: moffata

Date: 15-Jul-2018 12:18:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	230498	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.338	0.001	88	919844	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	95	476465	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	0.000	68	316198	25.0	24.0	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	446532	25.0	27.2	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	1142427	25.0	23.5	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.598	-0.006	93	399150	25.0	26.4	
11 Dichlorodifluoromethane	85	1.294	1.300	-0.006	96	277450	25.0	20.1	
13 Chloromethane	50	1.464	1.470	-0.006	99	508340	25.0	26.6	
14 Vinyl chloride	62	1.543	1.543	0.000	97	382798	25.0	23.9	
144 Butadiene	54	1.567	1.567	0.000	92	423305	25.0	25.9	
15 Bromomethane	94	1.841	1.847	-0.006	92	220808	25.0	25.0	
16 Chloroethane	64	1.933	1.939	-0.007	95	227567	25.0	28.1	
17 Dichlorofluoromethane	67	2.133	2.139	-0.006	91	533209	25.0	26.7	
18 Trichlorofluoromethane	101	2.145	2.145	0.000	96	476044	25.0	26.1	
19 Ethyl ether	59	2.431	2.431	0.000	97	395423	25.0	27.2	
20 Acrolein	56	2.583	2.583	0.000	99	399616	125.0	155.6	
22 1,1-Dichloroethene	96	2.638	2.632	0.006	91	267554	25.0	22.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.638	2.644	-0.006	47	249274	25.0	22.9	
23 Acetone	43	2.736	2.736	0.000	98	895023	125.0	193.6	
24 Iodomethane	142	2.784	2.784	0.000	100	509538	25.0	23.1	
25 Carbon disulfide	76	2.827	2.827	0.000	98	785353	25.0	21.2	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	85	753729	25.0	28.8	
28 Methyl acetate	43	3.034	3.034	0.000	100	972314	50.0	60.5	
30 Methylene Chloride	84	3.125	3.125	0.000	91	290399	25.0	19.7	
31 2-Methyl-2-propanol	59	3.289	3.289	0.000	96	380053	250.0	347.4	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	95	1026855	25.0	23.0	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	91	316347	25.0	22.3	
34 Acrylonitrile	53	3.380	3.386	-0.006	97	2242844	250.0	301.3	
35 Hexane	57	3.575	3.581	-0.006	96	673456	25.0	30.4	
36 1,1-Dichloroethane	63	3.764	3.764	0.000	97	656369	25.0	24.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	3.818	3.818	0.000	97	2294451	50.0	77.6	
42 2,2-Dichloropropane	77	4.287	4.287	0.000	83	399055	25.0	22.1	
43 cis-1,2-Dichloroethene	96	4.311	4.311	0.000	85	345405	25.0	22.2	
44 2-Butanone (MEK)	43	4.336	4.335	0.001	96	1537445	125.0	181.4	
47 Chlorobromomethane	128	4.536	4.536	0.000	89	188864	25.0	23.7	
49 Tetrahydrofuran	42	4.573	4.567	0.006	92	397627	50.0	60.8	
50 Chloroform	83	4.615	4.615	0.000	96	577605	25.0	23.4	
51 1,1,1-Trichloroethane	97	4.743	4.743	0.000	96	492971	25.0	24.0	
52 Cyclohexane	56	4.767	4.767	0.000	97	653112	25.0	26.5	
53 Carbon tetrachloride	117	4.883	4.883	0.000	95	440083	25.0	25.2	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	85	424915	25.0	23.6	
55 Benzene	78	5.090	5.090	0.000	94	1245806	25.0	23.7	
56 Isobutyl alcohol	43	5.084	5.090	-0.006	95	671220	625.0	733.2	
57 1,2-Dichloroethane	62	5.139	5.139	0.000	95	615716	25.0	26.1	
59 n-Heptane	43	5.303	5.303	0.000	96	824063	25.0	36.7	
60 Trichloroethene	95	5.698	5.704	-0.006	93	344011	25.0	24.1	
62 Methylcyclohexane	83	5.838	5.844	-0.006	95	572450	25.0	25.3	
63 1,2-Dichloropropane	63	5.929	5.929	0.000	84	356153	25.0	24.9	
64 Dibromomethane	93	6.057	6.057	0.000	93	228442	25.0	24.1	
66 1,4-Dioxane	88	6.075	6.075	0.000	89	74668	500.0	401.8	M
67 Dichlorobromomethane	83	6.209	6.209	0.000	95	434534	25.0	24.7	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	88	283848	25.0	29.1	
71 cis-1,3-Dichloropropene	75	6.629	6.629	0.000	84	476481	25.0	23.5	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	99	1120487	125.0	152.4	
73 Toluene	92	6.933	6.933	0.000	97	825615	25.0	23.3	
75 trans-1,3-Dichloropropene	75	7.195	7.195	0.000	91	462474	25.0	24.4	
77 Ethyl methacrylate	69	7.256	7.262	-0.006	90	421862	25.0	24.2	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	95	255192	25.0	25.4	
79 Tetrachloroethene	166	7.475	7.475	0.000	96	403727	25.0	26.0	
80 1,3-Dichloropropane	76	7.542	7.541	0.000	90	500815	25.0	23.1	
82 2-Hexanone	43	7.615	7.614	0.000	98	2380360	125.0	175.6	
83 Chlorodibromomethane	129	7.779	7.779	0.000	91	334366	25.0	23.5	
84 Ethylene Dibromide	107	7.882	7.882	0.000	99	325724	25.0	24.6	
85 Chlorobenzene	112	8.369	8.369	0.000	93	952304	25.0	23.6	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	91	344021	25.0	23.5	
88 Ethylbenzene	91	8.472	8.472	0.000	98	1544212	25.0	23.6	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	602896	25.0	24.2	
91 o-Xylene	106	9.020	9.020	0.000	98	605277	25.0	23.3	
92 Styrene	104	9.044	9.044	0.000	95	1035581	25.0	24.8	
93 Bromoform	173	9.269	9.275	-0.006	96	225090	25.0	24.5	
95 Isopropylbenzene	105	9.409	9.409	0.000	97	1593739	25.0	23.3	
97 Bromobenzene	156	9.744	9.744	0.000	88	410569	25.0	23.1	
98 1,1,2,2-Tetrachloroethane	83	9.786	9.786	0.000	95	424598	25.0	23.5	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	93	147273	25.0	24.3	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.835	0.000	73	177655	25.0	26.4	
100 N-Propylbenzene	91	9.835	9.841	-0.006	99	1850333	25.0	23.8	
102 2-Chlorotoluene	126	9.932	9.938	-0.006	96	393253	25.0	24.3	
104 1,3,5-Trimethylbenzene	105	10.018	10.024	-0.006	95	1313313	25.0	23.9	
105 4-Chlorotoluene	91	10.048	10.048	0.000	97	1266516	25.0	24.4	
106 tert-Butylbenzene	134	10.340	10.340	0.000	95	306117	25.0	23.1	
108 1,2,4-Trimethylbenzene	105	10.395	10.395	0.000	98	1352062	25.0	23.5	
109 sec-Butylbenzene	105	10.553	10.553	0.000	95	1701600	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	99	798156	25.0	24.1	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	97	1479515	25.0	23.8	
113 1,4-Dichlorobenzene	146	10.766	10.766	0.000	95	817560	25.0	24.5	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	1260656	25.0	22.8	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	97	770215	25.0	24.0	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.836	0.000	82	75164	25.0	21.9	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	95	494955	25.0	23.1	
120 Hexachlorobutadiene	225	12.652	12.658	-0.006	97	236831	25.0	23.7	
121 Naphthalene	128	12.737	12.737	0.000	97	1349368	25.0	21.6	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	96	430605	25.0	21.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128	Amount Added: 12.50	Units: uL	
GAS CORP mix_00290	Amount Added: 12.50	Units: uL	
N_8260_Surr_00330	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00116	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180715-73087.b\N1476.D

Injection Date: 15-Jul-2018 09:56:30

Instrument ID: HP5973N

Operator ID: AM

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

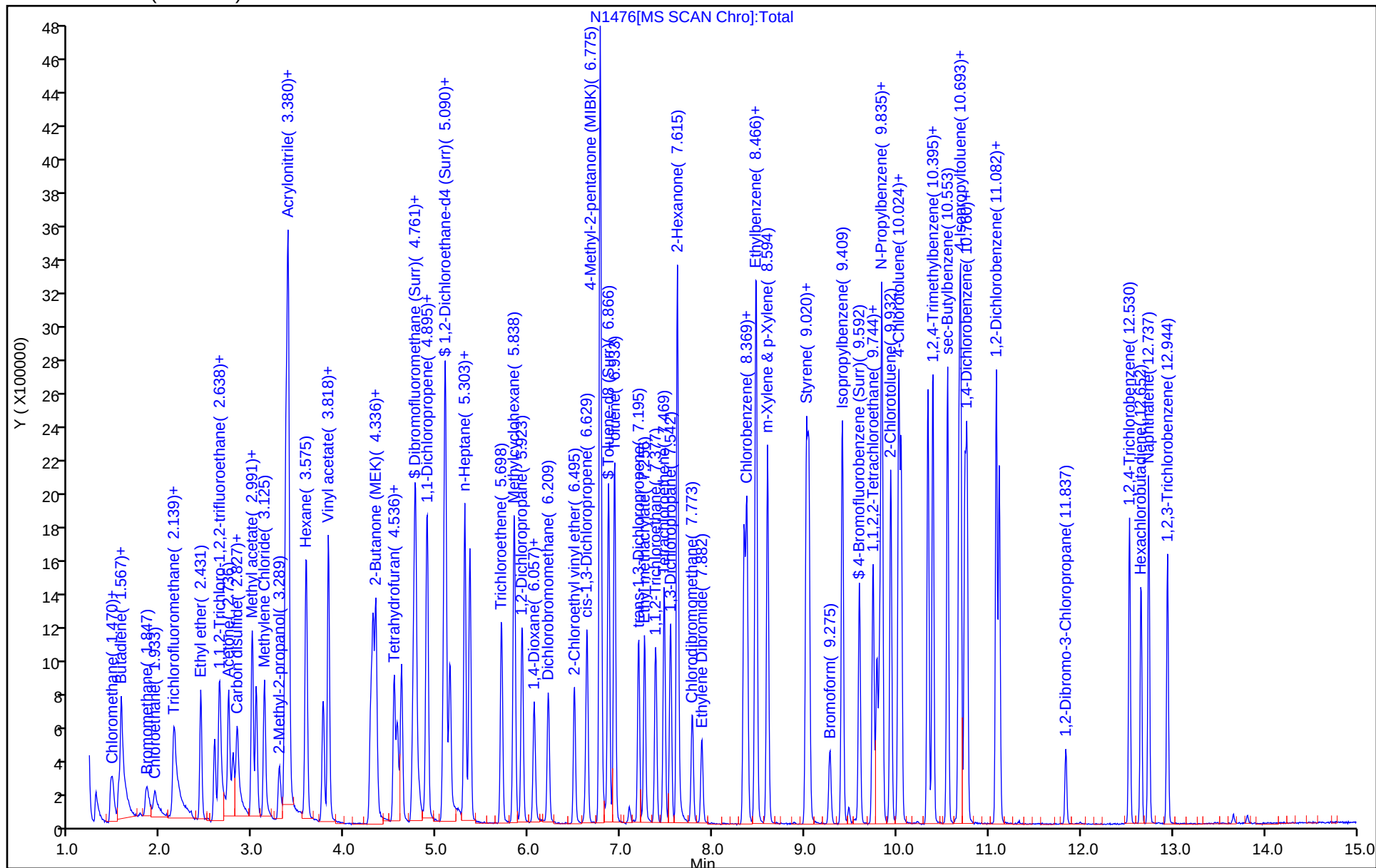
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: N-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.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-424528/5

Matrix: Water Lab File ID: N1503.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/16/2018 09:19

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.: 424528 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	26.2		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.1		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	27.5		1.0	0.31
79-00-5	1,1,2-Trichloroethane	24.9		1.0	0.23
75-34-3	1,1-Dichloroethane	27.1		1.0	0.38
75-35-4	1,1-Dichloroethene	23.3		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.5		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	24.8		1.0	0.39
106-93-4	1,2-Dibromoethane	25.7		1.0	0.73
95-50-1	1,2-Dichlorobenzene	25.4		1.0	0.79
107-06-2	1,2-Dichloroethane	27.8		1.0	0.21
78-87-5	1,2-Dichloropropane	25.0		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.8		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.4		1.0	0.84
78-93-3	2-Butanone (MEK)	181		10	1.3
591-78-6	2-Hexanone	168		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	150		5.0	2.1
67-64-1	Acetone	198		10	3.0
71-43-2	Benzene	24.9		1.0	0.41
75-27-4	Bromodichloromethane	25.8		1.0	0.39
75-25-2	Bromoform	26.2		1.0	0.26
74-83-9	Bromomethane	28.1		1.0	0.69
75-15-0	Carbon disulfide	23.9		1.0	0.19
56-23-5	Carbon tetrachloride	28.6		1.0	0.27
108-90-7	Chlorobenzene	24.9		1.0	0.75
75-00-3	Chloroethane	33.1		1.0	0.32
67-66-3	Chloroform	24.8		1.0	0.34
74-87-3	Chloromethane	33.3		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	23.5		1.0	0.36
110-82-7	Cyclohexane	28.4		1.0	0.18
124-48-1	Dibromochloromethane	24.4		1.0	0.32
75-71-8	Dichlorodifluoromethane	31.1		1.0	0.68
100-41-4	Ethylbenzene	24.8		1.0	0.74
98-82-8	Isopropylbenzene	24.2		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-424528/5
 Matrix: Water Lab File ID: N1503.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/16/2018 09:19
 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.: 424528 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	62.6		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.0		1.0	0.16
108-87-2	Methylcyclohexane	26.7		1.0	0.16
75-09-2	Methylene Chloride	24.3		1.0	0.44
100-42-5	Styrene	25.2		1.0	0.73
127-18-4	Tetrachloroethene	27.1		1.0	0.36
108-88-3	Toluene	24.4		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.2		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	31.4		1.0	0.88
75-01-4	Vinyl chloride	29.1		1.0	0.90
1330-20-7	Xylenes, Total	49.3		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		77-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
2037-26-5	Toluene-d8 (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N1503.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 16-Jul-2018 09:19:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0073094-005
 Operator ID: AM Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73094.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 16-Jul-2018 17:22:44 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK007

First Level Reviewer: milligana

Date: 16-Jul-2018 17:22:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	216453	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.339	-0.001	88	837285	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.742	-0.001	95	448254	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.768	-0.001	68	310761	25.0	25.1	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	426790	25.0	27.7	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	1038429	25.0	23.5	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.592	0.000	93	372981	25.0	27.1	
11 Dichlorodifluoromethane	85	1.300	1.294	0.006	97	404516	25.0	31.1	
13 Chloromethane	50	1.470	1.476	-0.006	99	597962	25.0	33.3	
14 Vinyl chloride	62	1.549	1.543	0.006	97	437719	25.0	29.1	
144 Butadiene	54	1.574	1.574	0.000	95	519233	25.0	33.8	
15 Bromomethane	94	1.859	1.841	0.018	94	232688	25.0	28.1	
16 Chloroethane	64	1.951	1.933	0.018	96	251804	25.0	33.1	
17 Dichlorofluoromethane	67	2.145	2.133	0.012	91	566097	25.0	30.2	
18 Trichlorofluoromethane	101	2.151	2.145	0.006	87	538118	25.0	31.4	
19 Ethyl ether	59	2.431	2.431	0.000	96	400941	25.0	29.4	
20 Acrolein	56	2.583	2.584	-0.001	99	401784	125.0	166.6	
22 1,1-Dichloroethene	96	2.638	2.638	0.000	91	262408	25.0	23.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.644	2.644	0.000	57	281361	25.0	27.5	
23 Acetone	43	2.735	2.736	-0.001	97	861542	125.0	198.5	
24 Iodomethane	142	2.784	2.784	0.000	100	548733	25.0	26.5	
25 Carbon disulfide	76	2.827	2.833	-0.006	98	832575	25.0	23.9	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	85	760761	25.0	31.0	
28 Methyl acetate	43	3.034	3.034	0.000	100	943702	50.0	62.6	
30 Methylene Chloride	84	3.125	3.125	0.000	91	334542	25.0	24.3	
31 2-Methyl-2-propanol	59	3.289	3.289	0.000	95	240893	250.0	234.5	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	95	1048790	25.0	25.0	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	91	322050	25.0	24.2	
34 Acrylonitrile	53	3.386	3.380	0.006	97	2358458	250.0	337.4	
35 Hexane	57	3.581	3.581	0.000	95	641592	25.0	30.8	
36 1,1-Dichloroethane	63	3.764	3.764	0.000	97	677761	25.0	27.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	3.818	3.818	0.000	97	2167835	50.0	78.1	
42 2,2-Dichloropropane	77	4.287	4.287	0.000	83	421031	25.0	24.8	
43 cis-1,2-Dichloroethene	96	4.311	4.305	0.006	86	366505	25.0	25.1	
44 2-Butanone (MEK)	43	4.335	4.336	-0.001	96	1436611	125.0	180.6	
47 Chlorobromomethane	128	4.536	4.536	0.000	89	196933	25.0	26.3	
49 Tetrahydrofuran	42	4.573	4.567	0.006	94	360848	50.0	58.7	
50 Chloroform	83	4.615	4.615	0.000	94	575000	25.0	24.8	
51 1,1,1-Trichloroethane	97	4.743	4.743	0.000	95	506353	25.0	26.2	
52 Cyclohexane	56	4.767	4.768	-0.001	96	658438	25.0	28.4	
53 Carbon tetrachloride	117	4.889	4.889	0.000	94	470217	25.0	28.6	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	85	427766	25.0	25.3	
56 Isobutyl alcohol	43	5.090	5.090	0.000	77	578702	625.0	673.2	
55 Benzene	78	5.090	5.090	0.000	95	1228244	25.0	24.9	
57 1,2-Dichloroethane	62	5.139	5.145	-0.007	96	617416	25.0	27.8	
59 n-Heptane	43	5.303	5.303	0.000	96	743939	25.0	35.3	
60 Trichloroethene	95	5.704	5.704	0.000	92	329238	25.0	24.5	
62 Methylcyclohexane	83	5.844	5.838	0.006	96	567849	25.0	26.7	
63 1,2-Dichloropropane	63	5.929	5.923	0.006	84	335363	25.0	25.0	
64 Dibromomethane	93	6.057	6.057	0.000	94	229015	25.0	25.7	
66 1,4-Dioxane	88	6.069	6.063	0.006	89	69313	500.0	409.8	
67 Dichlorobromomethane	83	6.209	6.209	0.000	96	427524	25.0	25.8	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	91	247949	25.0	27.1	
71 cis-1,3-Dichloropropene	75	6.635	6.629	0.006	84	448191	25.0	23.5	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	99	1001535	125.0	149.7	
73 Toluene	92	6.933	6.933	0.000	97	785953	25.0	24.4	
75 trans-1,3-Dichloropropene	75	7.195	7.195	0.000	92	426801	25.0	24.7	
77 Ethyl methacrylate	69	7.256	7.256	0.000	89	362388	25.0	22.8	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	95	228269	25.0	24.9	
79 Tetrachloroethene	166	7.475	7.469	0.006	96	383343	25.0	27.1	
80 1,3-Dichloropropane	76	7.542	7.542	0.000	91	459467	25.0	23.3	
82 2-Hexanone	43	7.615	7.615	0.000	98	2072168	125.0	167.9	
83 Chlorodibromomethane	129	7.773	7.779	-0.006	90	315515	25.0	24.4	
84 Ethylene Dibromide	107	7.882	7.882	0.000	99	309109	25.0	25.7	
85 Chlorobenzene	112	8.369	8.369	0.000	94	913183	25.0	24.9	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	89	350151	25.0	26.3	
88 Ethylbenzene	91	8.472	8.472	0.000	98	1479521	25.0	24.8	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	575579	25.0	25.4	
91 o-Xylene	106	9.020	9.020	0.000	97	565008	25.0	23.9	
92 Styrene	104	9.044	9.044	0.000	94	960497	25.0	25.2	
93 Bromoform	173	9.269	9.269	0.000	95	219032	25.0	26.2	
95 Isopropylbenzene	105	9.409	9.409	0.000	96	1552435	25.0	24.2	
97 Bromobenzene	156	9.744	9.744	0.000	87	405851	25.0	24.3	
98 1,1,2,2-Tetrachloroethane	83	9.780	9.780	0.000	96	409336	25.0	24.1	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	93	136263	25.0	23.9	
101 trans-1,4-Dichloro-2-buten	53	9.829	9.835	-0.006	73	159450	25.0	25.2	
100 N-Propylbenzene	91	9.841	9.841	0.000	99	1724184	25.0	23.6	
102 2-Chlorotoluene	126	9.932	9.932	0.000	96	383628	25.0	25.2	
104 1,3,5-Trimethylbenzene	105	10.024	10.018	0.006	94	1250575	25.0	24.1	
105 4-Chlorotoluene	91	10.048	10.048	0.000	97	1199711	25.0	24.6	
106 tert-Butylbenzene	134	10.340	10.340	0.000	95	291382	25.0	23.4	
108 1,2,4-Trimethylbenzene	105	10.395	10.395	0.000	98	1295963	25.0	24.0	
109 sec-Butylbenzene	105	10.553	10.553	0.000	95	1600144	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	99	771472	25.0	24.8	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	97	1405138	25.0	24.0	
113 1,4-Dichlorobenzene	146	10.766	10.766	0.000	95	797399	25.0	25.4	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	1228282	25.0	23.6	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	98	765642	25.0	25.4	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.837	0.000	80	80396	25.0	24.8	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	95	513348	25.0	25.5	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	97	241495	25.0	25.7	
121 Naphthalene	128	12.737	12.737	0.000	97	1435809	25.0	24.5	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	95	468802	25.0	25.3	

Reagents:

8260 CORP mix_00128	Amount Added: 12.50	Units: uL	
GAS CORP mix_00291	Amount Added: 12.50	Units: uL	
N_8260_Surr_00336	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00120	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180716-73094.b\\N1503.D

Injection Date: 16-Jul-2018 09:19:30

Instrument ID: HP5973N

Operator ID: AM

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

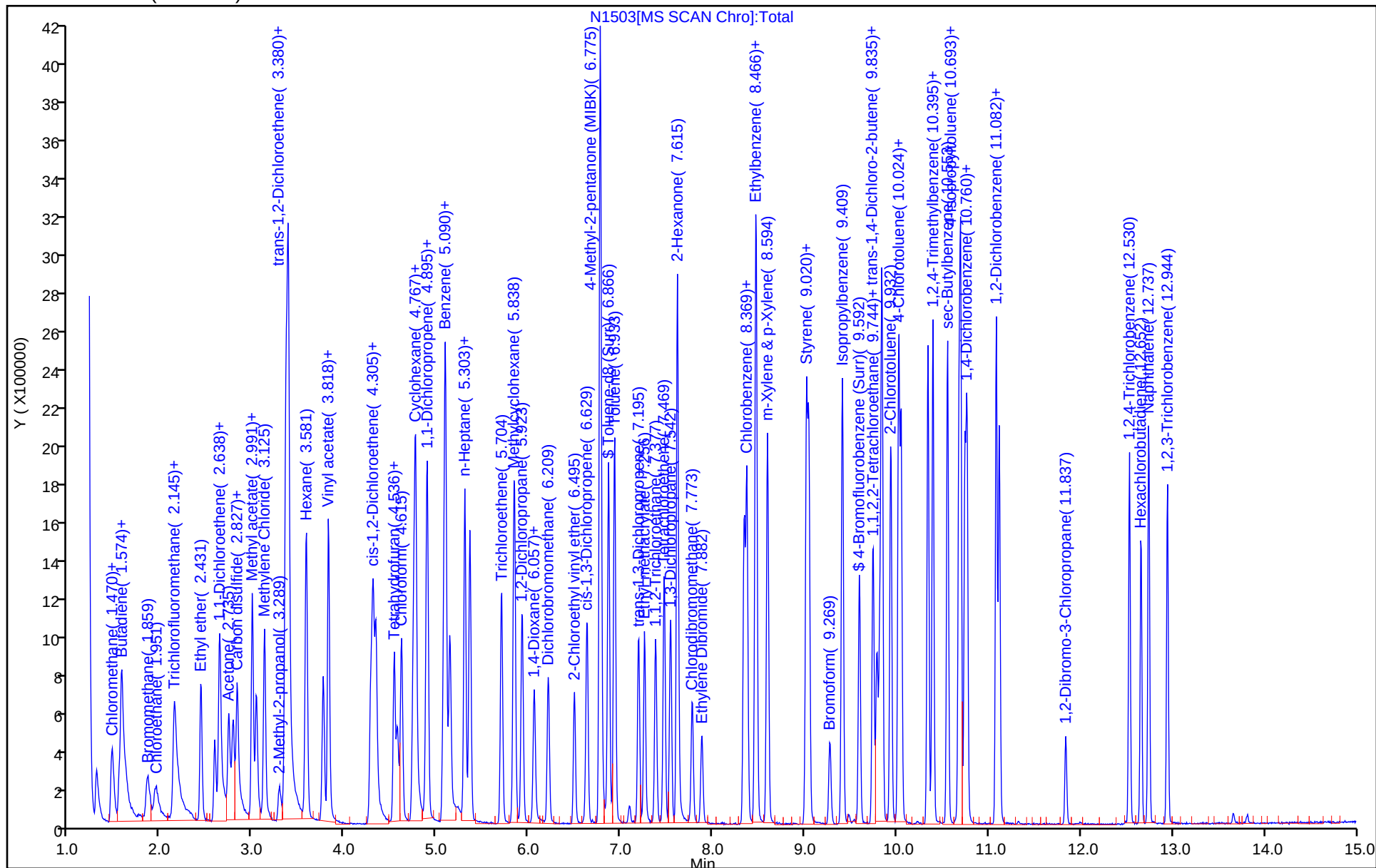
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: N-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.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-424720/8

Matrix: Water Lab File ID: N1530.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/16/2018 21:42

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 424720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	26.4		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	27.7		1.0	0.31
79-00-5	1,1,2-Trichloroethane	25.5		1.0	0.23
75-34-3	1,1-Dichloroethane	27.6		1.0	0.38
75-35-4	1,1-Dichloroethene	24.6		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	23.5		1.0	0.39
106-93-4	1,2-Dibromoethane	26.8		1.0	0.73
95-50-1	1,2-Dichlorobenzene	26.2		1.0	0.79
107-06-2	1,2-Dichloroethane	28.4		1.0	0.21
78-87-5	1,2-Dichloropropane	27.2		1.0	0.72
541-73-1	1,3-Dichlorobenzene	26.2		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.7		1.0	0.84
78-93-3	2-Butanone (MEK)	184		10	1.3
591-78-6	2-Hexanone	171		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	151		5.0	2.1
67-64-1	Acetone	199		10	3.0
71-43-2	Benzene	25.9		1.0	0.41
75-27-4	Bromodichloromethane	26.4		1.0	0.39
75-25-2	Bromoform	24.9		1.0	0.26
74-83-9	Bromomethane	30.4		1.0	0.69
75-15-0	Carbon disulfide	25.4		1.0	0.19
56-23-5	Carbon tetrachloride	29.8		1.0	0.27
108-90-7	Chlorobenzene	25.5		1.0	0.75
75-00-3	Chloroethane	34.7		1.0	0.32
67-66-3	Chloroform	26.3		1.0	0.34
74-87-3	Chloromethane	33.7		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	26.4		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.3		1.0	0.36
110-82-7	Cyclohexane	29.4		1.0	0.18
124-48-1	Dibromochloromethane	24.6		1.0	0.32
75-71-8	Dichlorodifluoromethane	32.9		1.0	0.68
100-41-4	Ethylbenzene	25.1		1.0	0.74
98-82-8	Isopropylbenzene	25.4		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-424720/8

Matrix: Water Lab File ID: N1530.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/16/2018 21:42

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 424720 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	64.1		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.5		1.0	0.16
108-87-2	Methylcyclohexane	28.0		1.0	0.16
75-09-2	Methylene Chloride	24.5		1.0	0.44
100-42-5	Styrene	26.5		1.0	0.73
127-18-4	Tetrachloroethene	28.5		1.0	0.36
108-88-3	Toluene	25.0		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.1		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.6		1.0	0.37
79-01-6	Trichloroethene	26.3		1.0	0.46
75-69-4	Trichlorofluoromethane	35.2		1.0	0.88
75-01-4	Vinyl chloride	32.3		1.0	0.90
1330-20-7	Xylenes, Total	50.2		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		77-120
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
2037-26-5	Toluene-d8 (Surr)	96		80-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N1530.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 16-Jul-2018 21:42:30 ALS Bottle#: 5 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0073127-008
 Operator ID: AEM Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180716-73127.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jul-2018 10:00:27 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: moffata

Date: 17-Jul-2018 10:00:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	214949	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.345	-0.007	88	858303	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	95	442681	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.761	4.768	-0.007	68	317633	25.0	25.9	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	434206	25.0	28.4	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	94	1086993	25.0	24.0	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.598	0.000	95	381128	25.0	27.0	
11 Dichlorodifluoromethane	85	1.294	1.300	-0.006	97	423970	25.0	32.9	
13 Chloromethane	50	1.464	1.470	-0.006	99	601854	25.0	33.7	
14 Vinyl chloride	62	1.543	1.549	-0.006	97	483042	25.0	32.3	
144 Butadiene	54	1.574	1.574	0.000	96	575660	25.0	37.7	
15 Bromomethane	94	1.853	1.860	-0.007	92	250124	25.0	30.4	
16 Chloroethane	64	1.939	1.939	0.000	96	261918	25.0	34.7	
17 Dichlorofluoromethane	67	2.139	2.146	-0.007	91	580571	25.0	31.2	
18 Trichlorofluoromethane	101	2.145	2.152	-0.007	95	599225	25.0	35.2	
19 Ethyl ether	59	2.431	2.431	0.000	97	411322	25.0	30.4	
20 Acrolein	56	2.583	2.584	-0.001	99	394257	125.0	164.7	
22 1,1-Dichloroethene	96	2.638	2.638	0.000	90	275864	25.0	24.6	
21 1,1,2-Trichloro-1,2,2-trif	101	2.644	2.650	-0.006	42	282028	25.0	27.7	
23 Acetone	43	2.736	2.736	0.000	97	858608	125.0	199.2	
24 Iodomethane	142	2.784	2.784	0.000	99	578715	25.0	28.1	
25 Carbon disulfide	76	2.827	2.833	-0.006	98	877518	25.0	25.4	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	84	769507	25.0	31.6	
28 Methyl acetate	43	3.034	3.034	0.000	100	960025	50.0	64.1	
30 Methylene Chloride	84	3.125	3.125	0.000	91	334885	25.0	24.5	
31 2-Methyl-2-propanol	59	3.283	3.283	0.000	95	270989	250.0	265.6	
32 Methyl tert-butyl ether	73	3.350	3.356	-0.006	94	1019237	25.0	24.5	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	92	332009	25.0	25.1	
34 Acrylonitrile	53	3.380	3.381	0.000	96	2214385	250.0	319.0	
35 Hexane	57	3.575	3.581	-0.006	96	663320	25.0	32.1	
36 1,1-Dichloroethane	63	3.764	3.764	0.000	97	686284	25.0	27.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	3.818	3.819	-0.001	97	2182958	50.0	79.2	
42 2,2-Dichloropropane	77	4.287	4.281	0.006	84	430697	25.0	25.5	
43 cis-1,2-Dichloroethene	96	4.305	4.305	0.000	85	382900	25.0	26.4	
44 2-Butanone (MEK)	43	4.336	4.336	0.000	97	1451364	125.0	183.7	
47 Chlorobromomethane	128	4.536	4.536	0.000	89	194339	25.0	26.1	
49 Tetrahydrofuran	42	4.567	4.567	0.000	91	355484	50.0	58.3	
50 Chloroform	83	4.615	4.615	0.000	96	604700	25.0	26.3	
51 1,1,1-Trichloroethane	97	4.743	4.743	0.000	96	506271	25.0	26.4	
52 Cyclohexane	56	4.767	4.768	-0.001	97	676863	25.0	29.4	
53 Carbon tetrachloride	117	4.889	4.889	0.000	95	485432	25.0	29.8	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	85	453456	25.0	27.0	
56 Isobutyl alcohol	43	5.084	5.084	0.000	91	552982	625.0	647.8	
55 Benzene	78	5.090	5.096	-0.006	95	1268939	25.0	25.9	
57 1,2-Dichloroethane	62	5.139	5.145	-0.006	96	626175	25.0	28.4	
59 n-Heptane	43	5.303	5.303	0.000	96	776388	25.0	37.1	
60 Trichloroethene	95	5.704	5.704	0.000	93	350985	25.0	26.3	
62 Methylcyclohexane	83	5.838	5.838	0.000	96	590631	25.0	28.0	
63 1,2-Dichloropropane	63	5.923	5.923	0.000	84	362294	25.0	27.2	
64 Dibromomethane	93	6.057	6.057	0.000	93	233643	25.0	26.4	
66 1,4-Dioxane	88	6.075	6.069	0.006	86	60966	500.0	351.6	M
67 Dichlorobromomethane	83	6.209	6.209	0.000	96	434054	25.0	26.4	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	89	251270	25.0	27.7	
71 cis-1,3-Dichloropropene	75	6.629	6.635	-0.006	85	477638	25.0	25.3	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	99	1038881	125.0	151.5	
73 Toluene	92	6.933	6.933	0.000	97	826639	25.0	25.0	
75 trans-1,3-Dichloropropene	75	7.195	7.195	0.000	92	436121	25.0	24.6	
77 Ethyl methacrylate	69	7.256	7.256	0.000	90	401989	25.0	24.7	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	95	239190	25.0	25.5	
79 Tetrachloroethene	166	7.475	7.469	0.006	96	412665	25.0	28.5	
80 1,3-Dichloropropane	76	7.542	7.542	0.000	90	487214	25.0	24.1	
82 2-Hexanone	43	7.615	7.615	0.000	98	2160559	125.0	170.8	
83 Chlorodibromomethane	129	7.773	7.779	-0.006	90	326130	25.0	24.6	
84 Ethylene Dibromide	107	7.882	7.882	0.000	97	331367	25.0	26.8	
85 Chlorobenzene	112	8.369	8.369	0.000	94	957942	25.0	25.5	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	89	366839	25.0	26.9	
88 Ethylbenzene	91	8.472	8.472	0.000	98	1534385	25.0	25.1	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	601515	25.0	25.9	
91 o-Xylene	106	9.020	9.020	0.000	98	587970	25.0	24.3	
92 Styrene	104	9.044	9.044	0.000	95	1031919	25.0	26.5	
93 Bromoform	173	9.275	9.275	0.000	95	213467	25.0	24.9	
95 Isopropylbenzene	105	9.409	9.409	0.000	96	1612317	25.0	25.4	
97 Bromobenzene	156	9.744	9.744	0.000	88	415916	25.0	25.2	
98 1,1,2,2-Tetrachloroethane	83	9.786	9.787	0.000	97	417683	25.0	24.9	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	93	141412	25.0	25.1	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.835	0.000	77	139313	25.0	22.3	
100 N-Propylbenzene	91	9.835	9.841	-0.006	99	1822773	25.0	25.2	
102 2-Chlorotoluene	126	9.932	9.933	-0.001	96	401637	25.0	26.7	
104 1,3,5-Trimethylbenzene	105	10.024	10.018	0.006	94	1312307	25.0	25.7	
105 4-Chlorotoluene	91	10.042	10.048	-0.006	98	1249258	25.0	25.9	
106 tert-Butylbenzene	134	10.340	10.340	0.000	95	313274	25.0	25.4	
108 1,2,4-Trimethylbenzene	105	10.395	10.395	0.000	98	1376277	25.0	25.8	
109 sec-Butylbenzene	105	10.553	10.553	0.000	95	1716214	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
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	98	806232	25.0	26.2	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	97	1479165	25.0	25.6	
113 1,4-Dichlorobenzene	146	10.766	10.766	0.000	94	794939	25.0	25.7	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	1271344	25.0	24.8	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	97	781006	25.0	26.2	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.837	0.000	79	75204	25.0	23.5	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	94	518758	25.0	26.1	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	95	257747	25.0	27.8	
121 Naphthalene	128	12.737	12.737	0.000	98	1405076	25.0	24.2	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	96	463897	25.0	25.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 12.50

Units: uL

GAS CORP mix_00291

Amount Added: 12.50

Units: uL

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973N\\20180716-73127.b\\N1530.D

Injection Date: 16-Jul-2018 21:42:30

Instrument ID: HP5973N

Operator ID: AEM

Lims ID: LCS

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

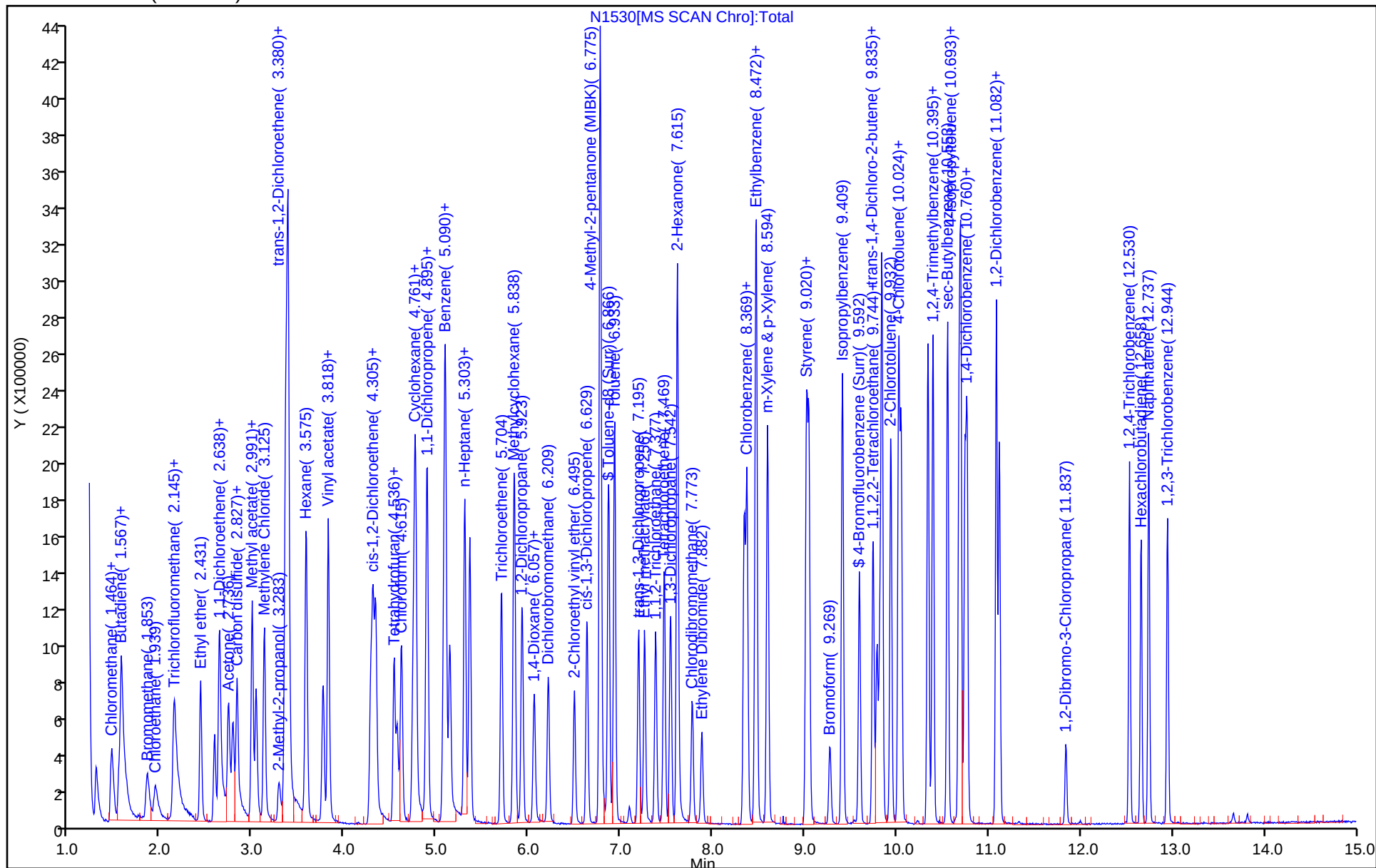
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: N-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.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-424746/5

Matrix: Water Lab File ID: N1557.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/17/2018 09:53

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.: 424746 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	22.1		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.1		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.0		1.0	0.31
79-00-5	1,1,2-Trichloroethane	24.5		1.0	0.23
75-34-3	1,1-Dichloroethane	23.6		1.0	0.38
75-35-4	1,1-Dichloroethene	19.6		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	24.7		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	22.2		1.0	0.39
106-93-4	1,2-Dibromoethane	24.3		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.4		1.0	0.79
107-06-2	1,2-Dichloroethane	24.6		1.0	0.21
78-87-5	1,2-Dichloropropane	25.0		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.7		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.7		1.0	0.84
78-93-3	2-Butanone (MEK)	177		10	1.3
591-78-6	2-Hexanone	168		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	143		5.0	2.1
67-64-1	Acetone	208		10	3.0
71-43-2	Benzene	22.8		1.0	0.41
75-27-4	Bromodichloromethane	22.7		1.0	0.39
75-25-2	Bromoform	23.1		1.0	0.26
74-83-9	Bromomethane	25.1		1.0	0.69
75-15-0	Carbon disulfide	20.8		1.0	0.19
56-23-5	Carbon tetrachloride	24.0		1.0	0.27
108-90-7	Chlorobenzene	23.7		1.0	0.75
75-00-3	Chloroethane	28.3		1.0	0.32
67-66-3	Chloroform	22.3		1.0	0.34
74-87-3	Chloromethane	28.8		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	22.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	22.0		1.0	0.36
110-82-7	Cyclohexane	23.9		1.0	0.18
124-48-1	Dibromochloromethane	23.1		1.0	0.32
75-71-8	Dichlorodifluoromethane	24.2		1.0	0.68
100-41-4	Ethylbenzene	23.2		1.0	0.74
98-82-8	Isopropylbenzene	22.9		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-424746/5
 Matrix: Water Lab File ID: N1557.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/17/2018 09:53
 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.: 424746 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	57.7		2.5	1.3
1634-04-4	Methyl tert-butyl ether	21.9		1.0	0.16
108-87-2	Methylcyclohexane	23.3		1.0	0.16
75-09-2	Methylene Chloride	20.2		1.0	0.44
100-42-5	Styrene	24.0		1.0	0.73
127-18-4	Tetrachloroethene	25.4		1.0	0.36
108-88-3	Toluene	23.4		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	20.8		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	22.3		1.0	0.37
79-01-6	Trichloroethene	22.7		1.0	0.46
75-69-4	Trichlorofluoromethane	25.4		1.0	0.88
75-01-4	Vinyl chloride	24.5		1.0	0.90
1330-20-7	Xylenes, Total	46.6		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
2037-26-5	Toluene-d8 (Surr)	94		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1557.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 17-Jul-2018 09:53:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0073134-005
 Operator ID: AM Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 17-Jul-2018 11:55:47 Calib Date: 15-Jun-2018 21:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180615-72372.b\N0627.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: moffata

Date: 17-Jul-2018 11:55:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	233899	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.338	8.345	-0.007	88	903129	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.741	10.742	-0.001	95	462196	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.767	4.767	0.000	73	324882	25.0	24.3	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	435371	25.0	26.1	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.861	0.000	94	1117585	25.0	23.5	
\$ 7 4-Bromofluorobenzene (Surr	174	9.592	9.591	-0.006	93	396233	25.0	26.6	
11 Dichlorodifluoromethane	85	1.294	1.300	-0.006	97	339275	25.0	24.2	
13 Chloromethane	50	1.464	1.470	-0.006	99	558771	25.0	28.8	
14 Vinyl chloride	62	1.543	1.549	-0.006	98	398083	25.0	24.5	
144 Butadiene	54	1.574	1.574	0.000	95	358997	25.0	21.6	
15 Bromomethane	94	1.853	1.847	0.006	92	225091	25.0	25.1	
16 Chloroethane	64	1.932	1.939	-0.007	97	232242	25.0	28.3	
17 Dichlorofluoromethane	67	2.145	2.145	0.000	85	531224	25.0	26.3	
18 Trichlorofluoromethane	101	2.151	2.152	-0.001	95	470528	25.0	25.4	
19 Ethyl ether	59	2.431	2.431	0.000	96	369447	25.0	25.1	
20 Acrolein	56	2.583	2.583	0.000	99	378839	125.0	145.4	
22 1,1-Dichloroethene	96	2.638	2.638	0.000	91	238882	25.0	19.6	
21 1,1,2-Trichloro-1,2,2-trif	101	2.638	2.644	-0.006	44	265745	25.0	24.0	
23 Acetone	43	2.736	2.736	0.000	97	976795	125.0	208.2	
24 Iodomethane	142	2.784	2.784	0.000	99	516380	25.0	23.1	
25 Carbon disulfide	76	2.827	2.833	-0.006	98	780808	25.0	20.8	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	85	709287	25.0	26.7	
28 Methyl acetate	43	3.034	3.034	0.000	100	939587	50.0	57.7	
30 Methylene Chloride	84	3.125	3.125	0.000	90	301804	25.0	20.2	
31 2-Methyl-2-propanol	59	3.283	3.283	0.000	96	357224	250.0	321.8	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	97	990924	25.0	21.9	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	92	298805	25.0	20.8	
34 Acrylonitrile	53	3.386	3.387	-0.001	96	2227604	250.0	294.9	
35 Hexane	57	3.575	3.581	-0.006	96	632758	25.0	28.1	
36 1,1-Dichloroethane	63	3.764	3.764	0.000	97	638783	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	3.818	3.818	0.000	97	2155586	50.0	71.8	
42 2,2-Dichloropropane	77	4.287	4.281	0.006	82	398628	25.0	21.7	
43 cis-1,2-Dichloroethene	96	4.311	4.311	0.000	86	348573	25.0	22.1	
44 2-Butanone (MEK)	43	4.335	4.336	-0.001	97	1520101	125.0	176.8	
47 Chlorobromomethane	128	4.536	4.536	0.000	89	185814	25.0	22.9	
49 Tetrahydrofuran	42	4.567	4.567	0.000	92	369261	50.0	55.6	
50 Chloroform	83	4.615	4.615	0.000	96	558617	25.0	22.3	
51 1,1,1-Trichloroethane	97	4.743	4.743	0.000	96	460783	25.0	22.1	
52 Cyclohexane	56	4.767	4.767	0.000	97	597446	25.0	23.9	
53 Carbon tetrachloride	117	4.889	4.889	0.000	95	425432	25.0	24.0	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	86	408474	25.0	22.3	
56 Isobutyl alcohol	43	5.090	5.084	0.006	90	595837	625.0	641.4	
55 Benzene	78	5.090	5.096	-0.006	95	1218154	25.0	22.8	
57 1,2-Dichloroethane	62	5.139	5.145	-0.006	96	589065	25.0	24.6	
59 n-Heptane	43	5.303	5.303	0.000	97	732534	25.0	32.1	
60 Trichloroethene	95	5.704	5.704	0.000	93	328933	25.0	22.7	
62 Methylcyclohexane	83	5.844	5.844	0.000	96	535100	25.0	23.3	
63 1,2-Dichloropropane	63	5.929	5.923	0.006	87	362886	25.0	25.0	
64 Dibromomethane	93	6.057	6.057	0.000	92	211806	25.0	22.0	
66 1,4-Dioxane	88	6.069	6.069	0.000	95	68652	500.0	376.3	M
67 Dichlorobromomethane	83	6.209	6.209	0.000	95	406294	25.0	22.7	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	88	252581	25.0	25.5	
71 cis-1,3-Dichloropropene	75	6.635	6.629	0.006	84	451842	25.0	22.0	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.770	0.000	99	1031212	125.0	142.9	
73 Toluene	92	6.933	6.928	0.000	97	813159	25.0	23.4	
75 trans-1,3-Dichloropropene	75	7.195	7.189	0.000	90	416329	25.0	22.3	
77 Ethyl methacrylate	69	7.256	7.250	0.000	89	395479	25.0	23.1	
78 1,1,2-Trichloroethane	83	7.377	7.372	0.000	95	242083	25.0	24.5	
79 Tetrachloroethene	166	7.475	7.463	0.006	96	387639	25.0	25.4	
80 1,3-Dichloropropane	76	7.542	7.536	0.000	91	484093	25.0	22.8	
82 2-Hexanone	43	7.615	7.609	0.000	98	2231077	125.0	167.6	
83 Chlorodibromomethane	129	7.779	7.767	0.006	89	322765	25.0	23.1	
84 Ethylene Dibromide	107	7.882	7.876	0.000	96	316156	25.0	24.3	
85 Chlorobenzene	112	8.369	8.363	0.000	93	936465	25.0	23.7	
89 1,1,1,2-Tetrachloroethane	131	8.460	8.460	-0.006	92	336166	25.0	23.4	
88 Ethylbenzene	91	8.472	8.466	0.000	98	1494900	25.0	23.2	
90 m-Xylene & p-Xylene	106	8.594	8.588	0.000	0	585762	25.0	23.9	
91 o-Xylene	106	9.020	9.013	0.000	97	578151	25.0	22.7	
92 Styrene	104	9.044	9.038	0.000	94	985109	25.0	24.0	
93 Bromoform	173	9.275	9.269	0.000	95	208651	25.0	23.1	
95 Isopropylbenzene	105	9.409	9.409	0.000	97	1518170	25.0	22.9	
97 Bromobenzene	156	9.744	9.744	0.000	87	404828	25.0	23.5	
98 1,1,2,2-Tetrachloroethane	83	9.780	9.780	0.000	97	405123	25.0	23.1	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	92	136680	25.0	23.2	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.835	0.000	69	108863	25.0	16.7	
100 N-Propylbenzene	91	9.841	9.841	0.000	99	1752408	25.0	23.2	
102 2-Chlorotoluene	126	9.932	9.932	0.000	96	373063	25.0	23.8	
104 1,3,5-Trimethylbenzene	105	10.018	10.017	0.000	95	1259142	25.0	23.6	
105 4-Chlorotoluene	91	10.048	10.048	0.000	97	1228734	25.0	24.4	
106 tert-Butylbenzene	134	10.340	10.340	0.000	95	298582	25.0	23.2	
108 1,2,4-Trimethylbenzene	105	10.389	10.395	-0.006	98	1308667	25.0	23.5	
109 sec-Butylbenzene	105	10.553	10.553	0.000	95	1624158	25.0	23.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	98	793506	25.0	24.7	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	97	1424564	25.0	23.6	
113 1,4-Dichlorobenzene	146	10.766	10.766	0.000	95	797436	25.0	24.7	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	1253828	25.0	23.4	
116 1,2-Dichlorobenzene	146	11.113	11.113	0.000	98	757975	25.0	24.4	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.836	0.000	80	74024	25.0	22.2	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	93	512683	25.0	24.7	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	97	245126	25.0	25.3	
121 Naphthalene	128	12.737	12.737	0.000	97	1325941	25.0	21.9	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	95	473004	25.0	24.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 12.50

Units: uL

GAS CORP mix_00291

Amount Added: 12.50

Units: uL

N_8260_Surr_00336

Amount Added: 1.00

Units: uL

Run Reagent

N 8260 IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180717-73134.b\N1557.D

Injection Date: 17-Jul-2018 09:53:30

Instrument ID: HP5973N

Operator ID: AM

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

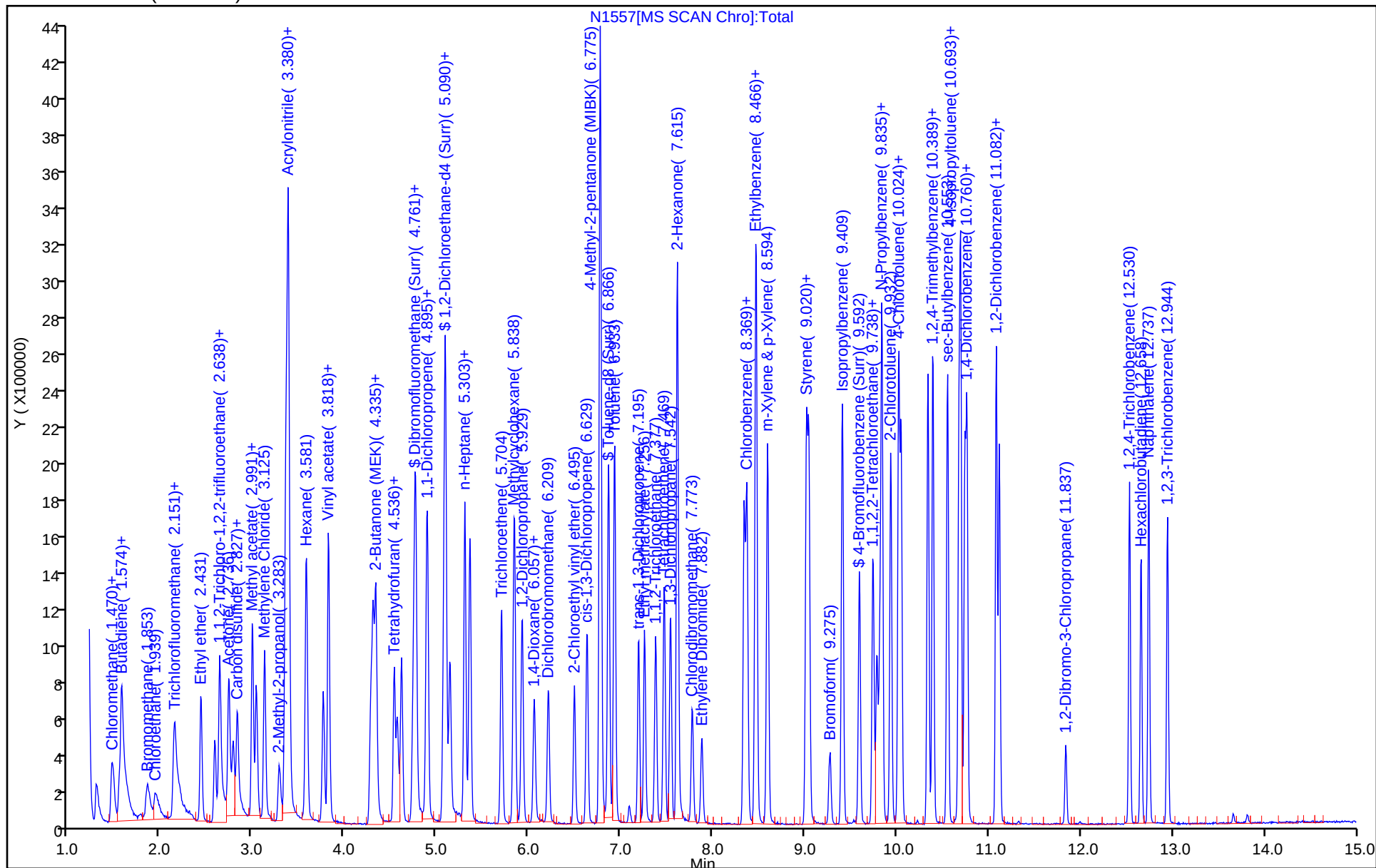
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-424950/5

Matrix: Water Lab File ID: S3644.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/18/2018 10:05

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 424950 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.8		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.9		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	23.9		1.0	0.31
79-00-5	1,1,2-Trichloroethane	24.8		1.0	0.23
75-34-3	1,1-Dichloroethane	25.8		1.0	0.38
75-35-4	1,1-Dichloroethene	24.0		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.1		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	23.3		1.0	0.39
106-93-4	1,2-Dibromoethane	25.1		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.7		1.0	0.79
107-06-2	1,2-Dichloroethane	25.2		1.0	0.21
78-87-5	1,2-Dichloropropane	24.9		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.9		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.1		1.0	0.84
78-93-3	2-Butanone (MEK)	144		10	1.3
591-78-6	2-Hexanone	126		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	125		5.0	2.1
67-64-1	Acetone	151		10	3.0
71-43-2	Benzene	25.9		1.0	0.41
75-27-4	Bromodichloromethane	26.9		1.0	0.39
75-25-2	Bromoform	27.1		1.0	0.26
74-83-9	Bromomethane	25.4		1.0	0.69
75-15-0	Carbon disulfide	26.1		1.0	0.19
56-23-5	Carbon tetrachloride	26.1		1.0	0.27
108-90-7	Chlorobenzene	25.4		1.0	0.75
75-00-3	Chloroethane	25.9		1.0	0.32
67-66-3	Chloroform	24.4		1.0	0.34
74-87-3	Chloromethane	28.0		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	26.5		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.4		1.0	0.36
110-82-7	Cyclohexane	26.9		1.0	0.18
124-48-1	Dibromochloromethane	26.4		1.0	0.32
75-71-8	Dichlorodifluoromethane	32.6		1.0	0.68
100-41-4	Ethylbenzene	25.4		1.0	0.74
98-82-8	Isopropylbenzene	24.9		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-424950/5
 Matrix: Water Lab File ID: S3644.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/18/2018 10:05
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 424950 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	51.8		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.2		1.0	0.16
108-87-2	Methylcyclohexane	28.1		1.0	0.16
75-09-2	Methylene Chloride	25.2		1.0	0.44
100-42-5	Styrene	25.7		1.0	0.73
127-18-4	Tetrachloroethene	25.1		1.0	0.36
108-88-3	Toluene	25.2		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	27.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.3		1.0	0.37
79-01-6	Trichloroethene	25.3		1.0	0.46
75-69-4	Trichlorofluoromethane	29.1		1.0	0.88
75-01-4	Vinyl chloride	27.5		1.0	0.90
1330-20-7	Xylenes, Total	48.8		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)	99		73-120
2037-26-5	Toluene-d8 (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S3644.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 18-Jul-2018 10:05:30 ALS Bottle#: 6 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0073166-005
 Operator ID: AM Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jul-2018 16:38:32 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: moffata

Date: 18-Jul-2018 10:33:17

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	5.510	5.510	0.000	98	132522	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	85	277869	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.894	-0.006	85	260229	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.926	4.932	-0.006	58	164949	25.0	26.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	57	101630	25.0	24.5	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.024	0.001	90	629656	25.0	23.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	88	205334	25.0	24.7	
10 Dichlorodifluoromethane	85	1.282	1.282	0.000	97	208358	25.0	32.6	
12 Chloromethane	50	1.458	1.470	-0.012	100	283365	25.0	28.0	
13 Vinyl chloride	62	1.549	1.555	-0.006	97	248227	25.0	27.5	
151 Butadiene	54	1.574	1.580	-0.006	81	255057	25.0	27.1	
14 Bromomethane	94	1.878	1.872	0.006	83	122839	25.0	25.4	
15 Chloroethane	64	1.969	1.969	0.000	92	141167	25.0	25.9	
17 Trichlorofluoromethane	101	2.194	2.200	-0.006	80	248741	25.0	29.1	
16 Dichlorofluoromethane	67	2.194	2.200	-0.006	95	257783	25.0	21.6	
18 Ethyl ether	59	2.492	2.498	-0.006	92	205121	25.0	27.0	
20 Acrolein	56	2.687	2.687	0.000	99	168065	125.0	115.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.693	2.699	-0.006	54	123803	25.0	23.9	M
22 1,1-Dichloroethene	96	2.724	2.723	0.001	96	140643	25.0	24.0	
23 Acetone	43	2.845	2.851	-0.006	100	385867	125.0	151.3	
25 Iodomethane	142	2.894	2.888	0.006	98	239408	25.0	28.0	
26 Carbon disulfide	76	2.924	2.924	0.000	98	486328	25.0	26.1	
28 3-Chloro-1-propene	41	3.095	3.095	0.001	87	274541	25.0	24.2	
27 Methyl acetate	43	3.143	3.149	-0.006	95	347021	50.0	51.8	
30 Methylene Chloride	84	3.253	3.259	-0.006	96	195004	25.0	25.2	
31 2-Methyl-2-propanol	59	3.423	3.423	0.000	95	226047	250.0	261.7	
32 Methyl tert-butyl ether	73	3.454	3.453	0.001	91	552853	25.0	25.2	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	92	182642	25.0	27.3	
33 Acrylonitrile	53	3.539	3.539	0.000	99	1043910	250.0	293.4	
35 Hexane	57	3.660	3.660	0.000	84	356710	25.0	28.9	
39 1,1-Dichloroethane	63	3.898	3.898	0.000	97	364294	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
37 Vinyl acetate	43	3.952	3.952	0.000	97	919320	50.0	56.5	
44 2,2-Dichloropropane	77	4.415	4.421	-0.006	92	196756	25.0	25.2	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	84	204339	25.0	26.5	
43 2-Butanone (MEK)	43	4.494	4.500	-0.006	95	562809	125.0	143.8	
48 Chlorobromomethane	128	4.695	4.694	0.001	97	102184	25.0	27.8	
49 Tetrahydrofuran	42	4.707	4.713	-0.006	93	144103	50.0	53.6	
50 Chloroform	83	4.774	4.774	0.000	93	300393	25.0	24.4	
52 Cyclohexane	56	4.877	4.877	0.000	90	331822	25.0	26.9	
51 1,1,1-Trichloroethane	97	4.877	4.883	-0.006	89	236575	25.0	25.8	
55 Carbon tetrachloride	117	5.017	5.017	0.000	89	201058	25.0	26.1	
54 1,1-Dichloropropene	75	5.029	5.035	-0.006	95	245518	25.0	26.3	
57 Benzene	78	5.242	5.242	0.000	95	729255	25.0	25.9	
53 Isobutyl alcohol	43	5.260	5.266	-0.006	97	285246	625.0	784.4	
58 1,2-Dichloroethane	62	5.315	5.315	0.000	81	286572	25.0	25.2	
59 n-Heptane	43	5.406	5.412	-0.006	90	317875	25.0	27.7	
62 Trichloroethene	95	5.851	5.850	0.001	95	183853	25.0	25.3	
64 Methylcyclohexane	83	5.960	5.960	0.000	94	310603	25.0	28.1	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	95	211426	25.0	24.9	
67 Dibromomethane	93	6.234	6.234	0.000	92	120012	25.0	27.1	
66 1,4-Dioxane	88	6.234	6.240	-0.006	36	47733	500.0	769.3	
68 Dichlorobromomethane	83	6.392	6.386	0.006	91	229661	25.0	26.9	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	89	141602	25.0	25.0	
72 cis-1,3-Dichloropropene	75	6.806	6.805	0.001	90	271829	25.0	25.4	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.951	0.001	95	1107542	125.0	124.8	
74 Toluene	92	7.086	7.091	-0.005	95	464951	25.0	25.2	
77 trans-1,3-Dichloropropene	75	7.371	7.371	0.000	94	247584	25.0	24.3	
75 Ethyl methacrylate	69	7.414	7.414	0.000	85	244380	25.0	24.5	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	93	138049	25.0	24.8	
81 Tetrachloroethene	166	7.615	7.615	0.000	85	195832	25.0	25.1	
82 1,3-Dichloropropane	76	7.724	7.724	0.000	91	296414	25.0	25.3	
80 2-Hexanone	43	7.791	7.791	0.000	91	822568	125.0	126.0	
83 Chlorodibromomethane	129	7.962	7.961	0.001	90	166764	25.0	26.4	
84 Ethylene Dibromide	107	8.065	8.065	0.000	98	176042	25.0	25.1	
87 Chlorobenzene	112	8.539	8.539	0.000	93	514271	25.0	25.4	
88 Ethylbenzene	91	8.631	8.631	0.000	98	845453	25.0	25.4	
89 1,1,1,2-Tetrachloroethane	131	8.637	8.637	0.000	47	171812	25.0	26.2	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	99	324706	25.0	24.0	
91 o-Xylene	106	9.178	9.178	0.000	98	318392	25.0	24.8	
92 Styrene	104	9.209	9.208	0.001	95	567947	25.0	25.7	
95 Bromoform	173	9.464	9.464	0.000	96	109554	25.0	27.1	
94 Isopropylbenzene	105	9.562	9.561	0.001	95	815452	25.0	24.9	
101 Bromobenzene	156	9.908	9.908	0.000	95	205211	25.0	24.7	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	70	231028	25.0	25.9	
99 N-Propylbenzene	91	9.981	9.981	0.000	99	967862	25.0	25.4	
100 1,2,3-Trichloropropane	110	10.000	9.999	0.001	67	78502	25.0	26.7	
98 trans-1,4-Dichloro-2-buten	53	10.012	10.012	0.000	73	57332	25.0	18.2	
103 2-Chlorotoluene	126	10.091	10.091	0.000	96	197374	25.0	24.1	
102 1,3,5-Trimethylbenzene	105	10.158	10.158	0.000	95	689885	25.0	24.2	
105 4-Chlorotoluene	126	10.200	10.200	0.000	80	215225	25.0	25.7	
106 tert-Butylbenzene	134	10.474	10.474	0.000	88	158103	25.0	26.1	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	69	722469	25.0	24.9	
109 sec-Butylbenzene	105	10.687	10.687	0.000	94	888680	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	10.821	10.821	0.000	96	762766	25.0	26.0	
111 1,3-Dichlorobenzene	146	10.821	10.827	-0.006	72	401586	25.0	24.9	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	94	412128	25.0	25.1	
115 n-Butylbenzene	91	11.210	11.210	0.000	97	691313	25.0	26.1	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	97	392159	25.0	24.7	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	76	40252	25.0	23.3	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	94	283866	25.0	25.1	
120 Hexachlorobutadiene	225	12.768	12.767	0.001	94	149242	25.0	27.6	
121 Naphthalene	128	12.877	12.877	0.000	97	776396	25.0	25.2	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	96	271214	25.0	26.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128	Amount Added: 12.50	Units: uL	
GAS CORP mix_00291	Amount Added: 12.50	Units: uL	
S_8260_IS_00294	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00276	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180718-73166.b\\S3644.D

Injection Date: 18-Jul-2018 10:05:30

Instrument ID: HP5973S

Operator ID: AM

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

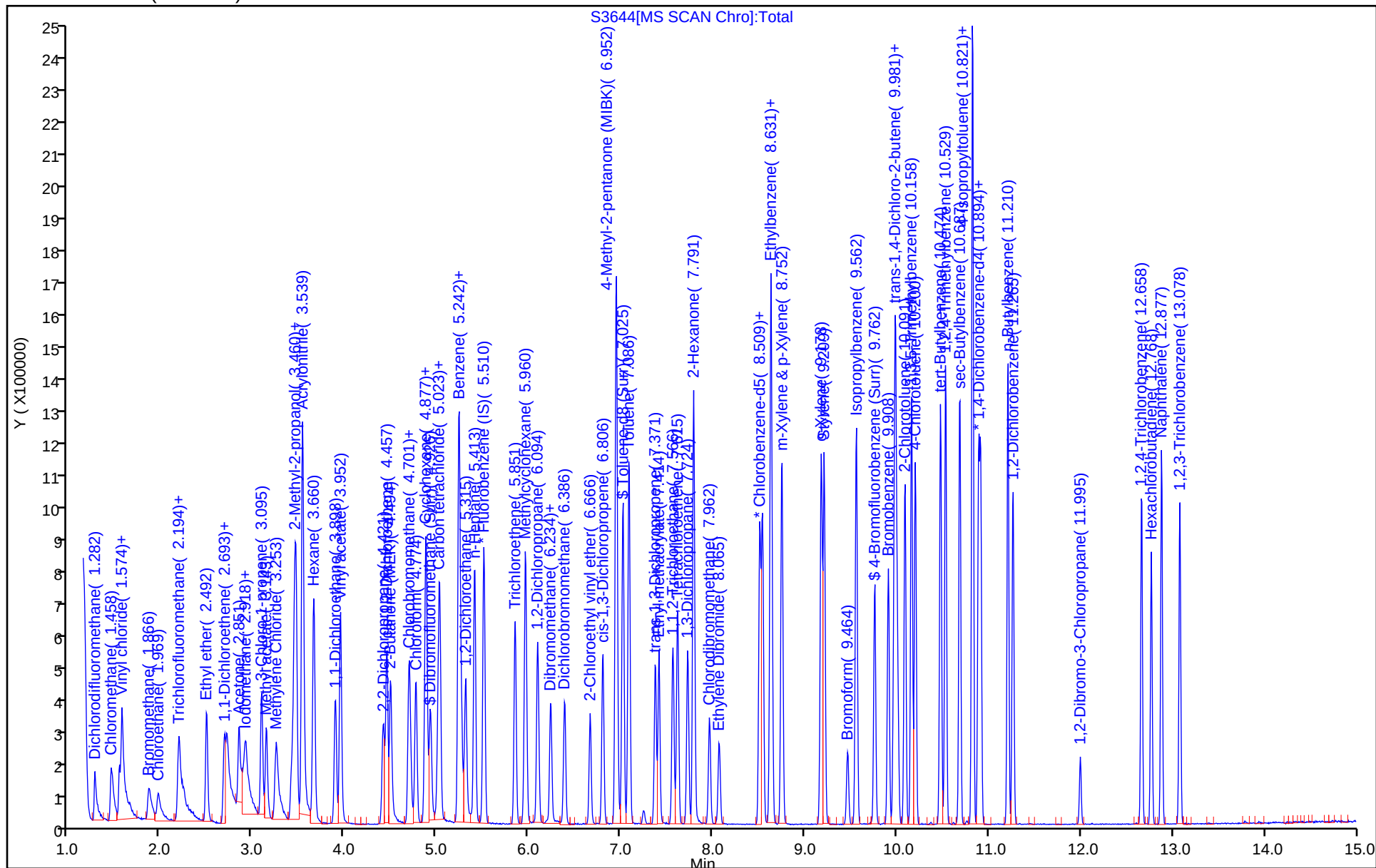
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73166.b\S3644.D

Injection Date: 18-Jul-2018 10:05:30

Instrument ID: HP5973S

Lims ID: LCS

Client ID:

Operator ID: AM

ALS Bottle#:

6

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

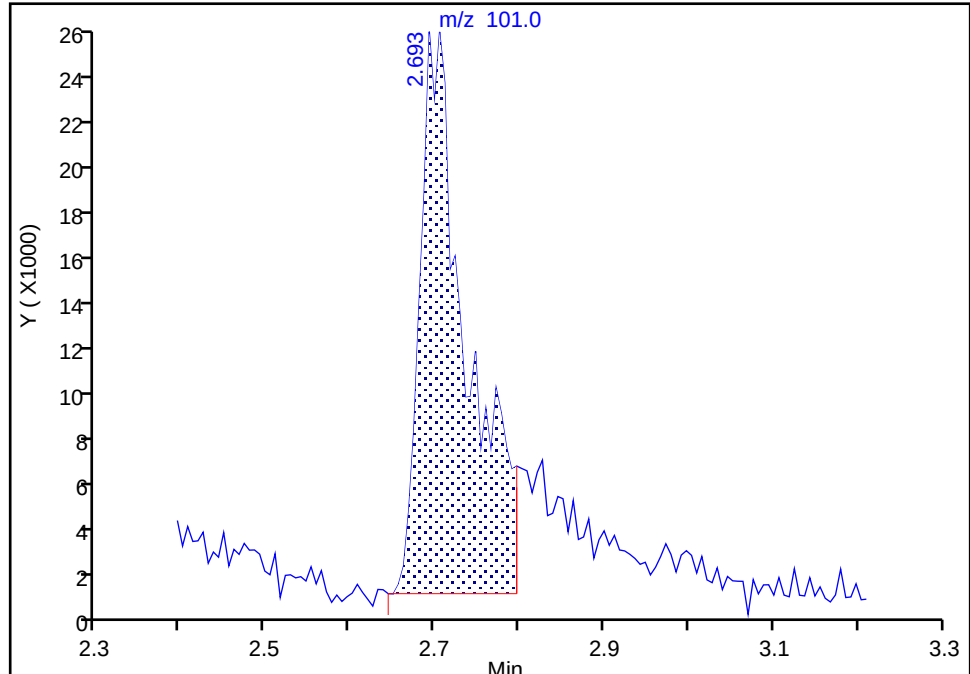
Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

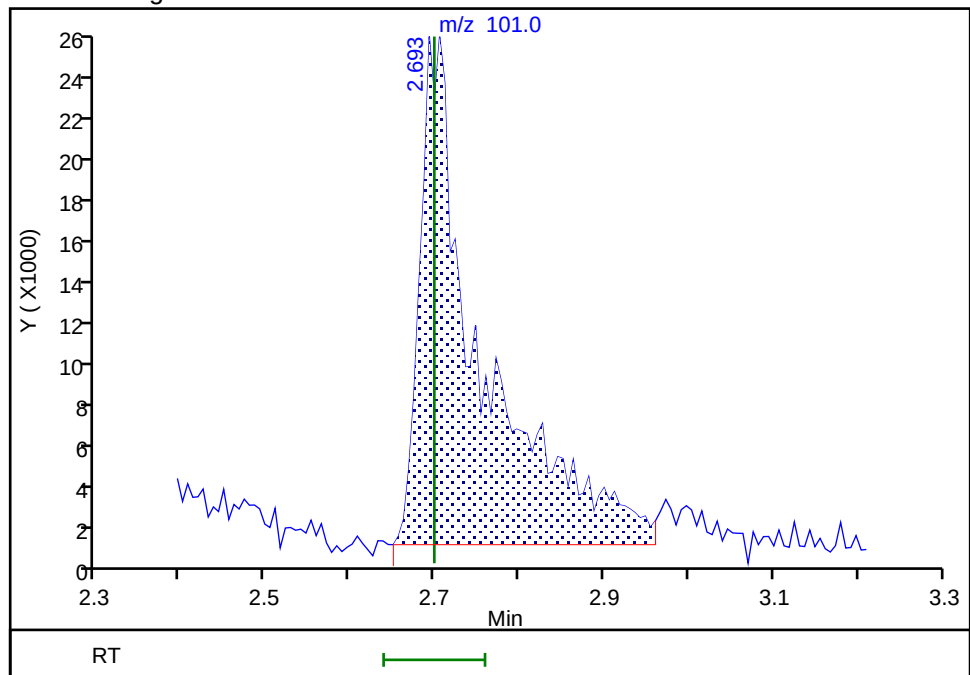
RT: 2.69
Area: 94561
Amount: 18.329271
Amount Units: ug/L

Processing Integration Results



RT: 2.69
Area: 123803
Amount: 23.882681
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 18-Jul-2018 10:30:23

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-425155/5

Matrix: Water Lab File ID: S3669.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/18/2018 20:11

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.: 425155 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.5		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.6		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	16.5		1.0	0.31
79-00-5	1,1,2-Trichloroethane	24.8		1.0	0.23
75-34-3	1,1-Dichloroethane	23.6		1.0	0.38
75-35-4	1,1-Dichloroethene	22.2		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	23.5		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	21.1		1.0	0.39
106-93-4	1,2-Dibromoethane	24.2		1.0	0.73
95-50-1	1,2-Dichlorobenzene	22.7		1.0	0.79
107-06-2	1,2-Dichloroethane	24.4		1.0	0.21
78-87-5	1,2-Dichloropropane	23.5		1.0	0.72
541-73-1	1,3-Dichlorobenzene	22.7		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.0		1.0	0.84
78-93-3	2-Butanone (MEK)	124		10	1.3
591-78-6	2-Hexanone	113		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	114		5.0	2.1
67-64-1	Acetone	120		10	3.0
71-43-2	Benzene	23.3		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	23.9		1.0	0.69
75-15-0	Carbon disulfide	20.7		1.0	0.19
56-23-5	Carbon tetrachloride	21.9		1.0	0.27
108-90-7	Chlorobenzene	23.9		1.0	0.75
75-00-3	Chloroethane	25.4		1.0	0.32
67-66-3	Chloroform	23.1		1.0	0.34
74-87-3	Chloromethane	25.8		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.3		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.2		1.0	0.36
110-82-7	Cyclohexane	16.9		1.0	0.18
124-48-1	Dibromochloromethane	24.9		1.0	0.32
75-71-8	Dichlorodifluoromethane	21.9		1.0	0.68
100-41-4	Ethylbenzene	23.0		1.0	0.74
98-82-8	Isopropylbenzene	21.9		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-425155/5
 Matrix: Water Lab File ID: S3669.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/18/2018 20:11
 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.: 425155 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	50.4		2.5	1.3
1634-04-4	Methyl tert-butyl ether	23.1		1.0	0.16
108-87-2	Methylcyclohexane	19.0		1.0	0.16
75-09-2	Methylene Chloride	22.0		1.0	0.44
100-42-5	Styrene	23.5		1.0	0.73
127-18-4	Tetrachloroethene	23.1		1.0	0.36
108-88-3	Toluene	23.1		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.6		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	23.5		1.0	0.37
79-01-6	Trichloroethene	22.5		1.0	0.46
75-69-4	Trichlorofluoromethane	22.1		1.0	0.88
75-01-4	Vinyl chloride	24.3		1.0	0.90
1330-20-7	Xylenes, Total	46.5		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)	102		73-120
2037-26-5	Toluene-d8 (Surr)	95		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S3669.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 18-Jul-2018 20:11:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0073194-005
 Operator ID: NC Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180718-73194.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Jul-2018 20:44:06 Calib Date: 20-Jun-2018 20:51:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180620-72482.b\S2524.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

First Level Reviewer: carrolln

Date: 18-Jul-2018 20:44:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	99	129639	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	268537	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.888	0.000	58	261767	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	66	162630	25.0	26.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	58	101271	25.0	24.9	
\$ 5 Toluene-d8 (Surr)	98	7.024	7.024	-0.001	90	621581	25.0	23.8	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.762	0.000	90	205811	25.0	25.6	
10 Dichlorodifluoromethane	85	1.288	1.282	0.006	96	136924	25.0	21.9	
12 Chloromethane	50	1.464	1.470	-0.006	99	256335	25.0	25.8	
13 Vinyl chloride	62	1.555	1.549	0.006	94	214212	25.0	24.3	
151 Butadiene	54	1.580	1.580	0.000	82	206166	25.0	22.4	
14 Bromomethane	94	1.872	1.872	0.000	89	112823	25.0	23.9	
15 Chloroethane	64	1.975	1.975	0.000	97	135583	25.0	25.4	
17 Trichlorofluoromethane	101	2.200	2.194	0.006	71	184869	25.0	22.1	
16 Dichlorofluoromethane	67	2.200	2.200	0.000	95	264736	25.0	22.6	
18 Ethyl ether	59	2.498	2.498	0.000	92	190112	25.0	25.6	
20 Acrolein	56	2.687	2.687	0.000	87	154926	125.0	108.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.705	2.699	0.006	59	83089	25.0	16.5	
22 1,1-Dichloroethene	96	2.729	2.723	0.006	85	127097	25.0	22.2	
23 Acetone	43	2.851	2.851	0.000	97	299944	125.0	120.3	
25 Iodomethane	142	2.894	2.894	0.000	96	216592	25.0	25.9	
26 Carbon disulfide	76	2.924	2.918	0.006	99	377366	25.0	20.7	
28 3-Chloro-1-propene	41	3.094	3.095	-0.001	89	251544	25.0	22.7	
27 Methyl acetate	43	3.149	3.149	0.000	95	330122	50.0	50.4	
30 Methylene Chloride	84	3.253	3.253	0.000	98	167692	25.0	22.0	
31 2-Methyl-2-propanol	59	3.423	3.429	-0.006	96	219088	250.0	259.2	
32 Methyl tert-butyl ether	73	3.453	3.454	-0.001	91	496763	25.0	23.1	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	92	161338	25.0	24.6	
33 Acrylonitrile	53	3.539	3.539	0.000	100	967483	250.0	278.0	
35 Hexane	57	3.660	3.660	0.000	84	223096	25.0	18.5	
39 1,1-Dichloroethane	63	3.897	3.898	-0.001	95	325388	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.952	3.952	0.000	97	833794	50.0	52.4	
44 2,2-Dichloropropane	77	4.421	4.415	0.006	93	166370	25.0	21.7	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	80	190260	25.0	25.3	
43 2-Butanone (MEK)	43	4.500	4.494	0.006	94	473539	125.0	123.6	
48 Chlorobromomethane	128	4.694	4.695	-0.001	93	91670	25.0	25.5	
49 Tetrahydrofuran	42	4.707	4.713	-0.006	91	132494	50.0	50.3	
50 Chloroform	83	4.774	4.774	0.000	93	277869	25.0	23.1	
52 Cyclohexane	56	4.877	4.883	-0.006	86	204527	25.0	16.9	
51 1,1,1-Trichloroethane	97	4.877	4.883	-0.006	94	192712	25.0	21.5	
55 Carbon tetrachloride	117	5.017	5.017	0.000	90	164900	25.0	21.9	
54 1,1-Dichloropropene	75	5.029	5.029	0.000	95	193703	25.0	21.2	M
57 Benzene	78	5.242	5.236	0.006	96	641380	25.0	23.3	
53 Isobutyl alcohol	43	5.266	5.266	0.000	94	247712	625.0	696.3	
58 1,2-Dichloroethane	62	5.309	5.309	0.000	78	271250	25.0	24.4	
59 n-Heptane	43	5.412	5.412	0.000	90	209495	25.0	18.6	
62 Trichloroethene	95	5.850	5.850	0.000	97	159905	25.0	22.5	
64 Methylcyclohexane	83	5.960	5.960	0.000	92	205387	25.0	19.0	
65 1,2-Dichloropropane	63	6.094	6.094	0.000	95	195067	25.0	23.5	
67 Dibromomethane	93	6.234	6.234	0.000	89	108644	25.0	25.1	
66 1,4-Dioxane	88	6.240	6.233	0.006	39	40419	500.0	675.7	
68 Dichlorobromomethane	83	6.386	6.386	0.000	98	204366	25.0	24.5	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	89	135803	25.0	24.5	
72 cis-1,3-Dichloropropene	75	6.805	6.806	-0.001	90	253527	25.0	24.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.945	6.951	-0.007	95	980341	125.0	114.3	
74 Toluene	92	7.085	7.085	0.000	93	411696	25.0	23.1	
77 trans-1,3-Dichloropropene	75	7.377	7.371	0.006	95	231342	25.0	23.5	
75 Ethyl methacrylate	69	7.414	7.414	0.000	86	224216	25.0	23.3	
79 1,1,2-Trichloroethane	83	7.566	7.566	0.000	91	133630	25.0	24.8	
81 Tetrachloroethene	166	7.621	7.614	0.006	84	174111	25.0	23.1	
82 1,3-Dichloropropane	76	7.724	7.724	0.000	94	269398	25.0	23.8	
80 2-Hexanone	43	7.791	7.791	0.000	90	712569	125.0	112.9	
83 Chlorodibromomethane	129	7.961	7.961	0.000	91	152330	25.0	24.9	
84 Ethylene Dibromide	107	8.065	8.065	0.000	97	163705	25.0	24.2	
87 Chlorobenzene	112	8.539	8.539	0.000	94	467680	25.0	23.9	
88 Ethylbenzene	91	8.631	8.630	-0.001	98	740073	25.0	23.0	
89 1,1,1,2-Tetrachloroethane	131	8.637	8.636	0.000	48	154891	25.0	24.5	
90 m-Xylene & p-Xylene	106	8.752	8.746	0.006	100	297714	25.0	22.7	
91 o-Xylene	106	9.178	9.178	0.000	97	295041	25.0	23.8	
92 Styrene	104	9.208	9.208	-0.001	94	501455	25.0	23.5	
95 Bromoform	173	9.464	9.464	0.000	97	99249	25.0	25.4	
94 Isopropylbenzene	105	9.561	9.561	0.000	96	722008	25.0	21.9	
101 Bromobenzene	156	9.908	9.908	0.000	94	196273	25.0	23.5	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	71	211462	25.0	23.6	
99 N-Propylbenzene	91	9.981	9.981	0.000	93	846149	25.0	22.1	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	74	70925	25.0	24.0	
98 trans-1,4-Dichloro-2-buten	53	10.011	10.011	-0.001	74	61563	25.0	19.4	
103 2-Chlorotoluene	126	10.091	10.090	0.000	96	189844	25.0	23.1	
102 1,3,5-Trimethylbenzene	105	10.157	10.157	-0.001	73	630771	25.0	22.0	
105 4-Chlorotoluene	126	10.200	10.200	0.000	96	185899	25.0	22.0	
106 tert-Butylbenzene	134	10.474	10.474	0.000	91	134701	25.0	22.1	
107 1,2,4-Trimethylbenzene	105	10.529	10.528	0.000	77	657526	25.0	22.5	
109 sec-Butylbenzene	105	10.687	10.687	0.000	93	762977	25.0	22.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	10.827	10.820	0.006	97	679089	25.0	23.0	
111 1,3-Dichlorobenzene	146	10.827	10.820	0.006	72	368513	25.0	22.7	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	94	380087	25.0	23.0	
115 n-Butylbenzene	91	11.210	11.210	0.000	97	607709	25.0	22.8	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	93	363106	25.0	22.7	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	77	36756	25.0	21.1	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	93	266464	25.0	23.5	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	95	124679	25.0	23.0	
121 Naphthalene	128	12.877	12.877	0.000	97	708730	25.0	22.8	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	95	258479	25.0	24.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128	Amount Added: 12.50	Units: uL	
GAS CORP mix_00291	Amount Added: 12.50	Units: uL	
S_8260_IS_00294	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00276	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180718-73194.b\\S3669.D

Injection Date: 18-Jul-2018 20:11:30

Instrument ID: HP5973S

Operator ID: NC

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

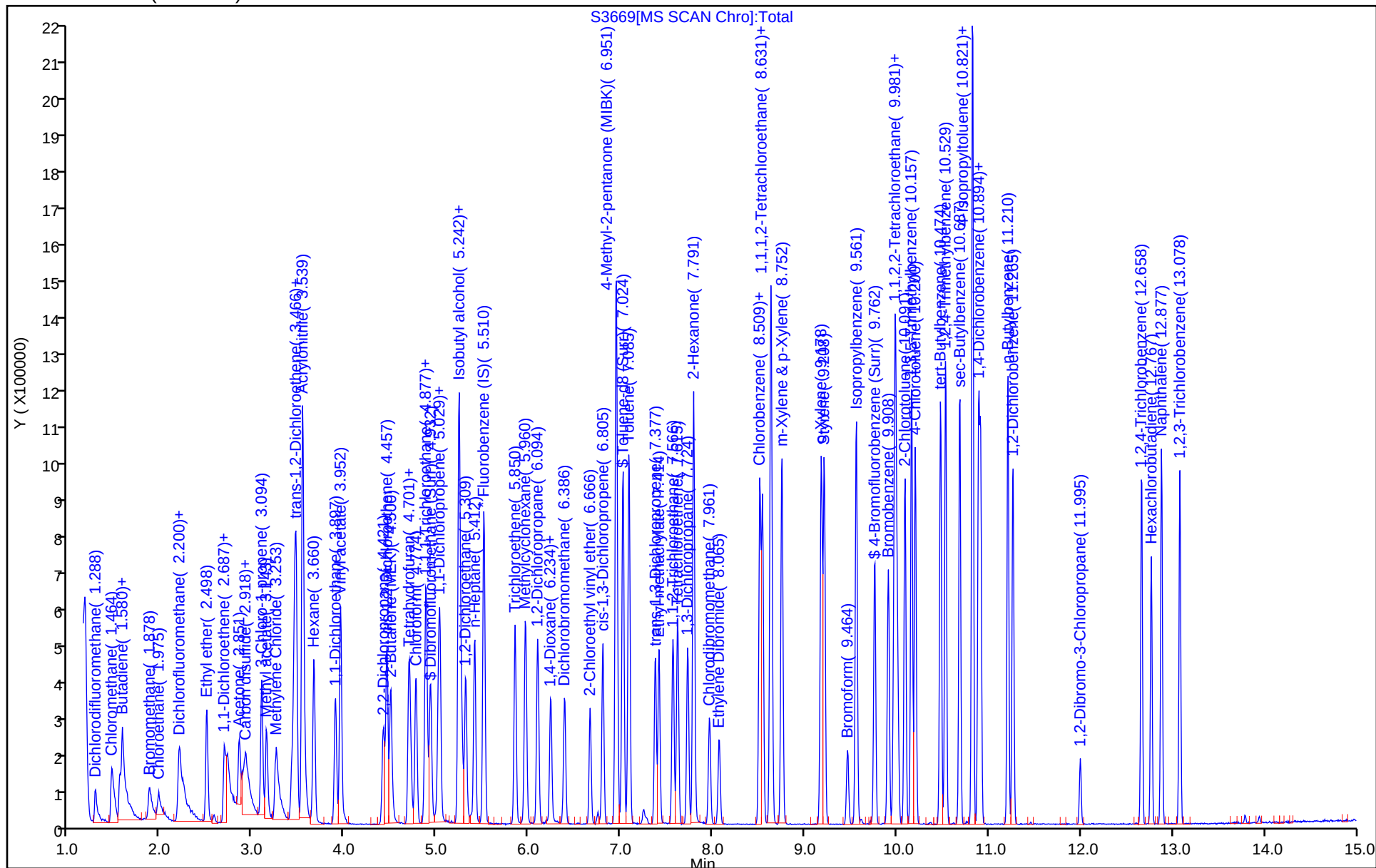
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-425702/26

Matrix: Water Lab File ID: N1704.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/21/2018 23:13

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 425702 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.8		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.0		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.5		1.0	0.31
79-00-5	1,1,2-Trichloroethane	23.0		1.0	0.23
75-34-3	1,1-Dichloroethane	24.4		1.0	0.38
75-35-4	1,1-Dichloroethene	26.1		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.5		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	25.7		1.0	0.39
106-93-4	1,2-Dibromoethane	23.6		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.3		1.0	0.79
107-06-2	1,2-Dichloroethane	23.2		1.0	0.21
78-87-5	1,2-Dichloropropane	23.0		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.4		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.3		1.0	0.84
78-93-3	2-Butanone (MEK)	116		10	1.3
591-78-6	2-Hexanone	129		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	130		5.0	2.1
67-64-1	Acetone	129		10	3.0
71-43-2	Benzene	23.7		1.0	0.41
75-27-4	Bromodichloromethane	24.1		1.0	0.39
75-25-2	Bromoform	25.5		1.0	0.26
74-83-9	Bromomethane	24.4		1.0	0.69
75-15-0	Carbon disulfide	26.1		1.0	0.19
56-23-5	Carbon tetrachloride	25.1		1.0	0.27
108-90-7	Chlorobenzene	23.7		1.0	0.75
75-00-3	Chloroethane	23.4		1.0	0.32
67-66-3	Chloroform	23.8		1.0	0.34
74-87-3	Chloromethane	22.8		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	23.5		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.1		1.0	0.36
110-82-7	Cyclohexane	23.8		1.0	0.18
124-48-1	Dibromochloromethane	26.1		1.0	0.32
75-71-8	Dichlorodifluoromethane	23.1		1.0	0.68
100-41-4	Ethylbenzene	26.0		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.: 480-138781-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-425702/26
 Matrix: Water Lab File ID: N1704.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/21/2018 23:13
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 425702 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	45.8		2.5	1.3
1634-04-4	Methyl tert-butyl ether	25.5		1.0	0.16
108-87-2	Methylcyclohexane	25.2		1.0	0.16
75-09-2	Methylene Chloride	21.6		1.0	0.44
100-42-5	Styrene	25.7		1.0	0.73
127-18-4	Tetrachloroethene	24.9		1.0	0.36
108-88-3	Toluene	24.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.6		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.8		1.0	0.37
79-01-6	Trichloroethene	24.7		1.0	0.46
75-69-4	Trichlorofluoromethane	25.1		1.0	0.88
75-01-4	Vinyl chloride	24.7		1.0	0.90
1330-20-7	Xylenes, Total	53.0		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)	101		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\HP5973N\20180721-73271.b\N1704.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 21-Jul-2018 23:13:30 ALS Bottle#: 5 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0073271-026
 Operator ID: LH Instrument ID: HP5973N
 Method: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Jul-2018 00:12:44 Calib Date: 19-Jul-2018 23:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973N\20180719-73222.b\N1666.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: HillL

Date: 22-Jul-2018 00:12:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.358	5.358	0.000	98	203313	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.339	8.339	0.000	88	721788	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.742	10.742	0.000	94	409969	25.0	25.0	
\$ 148 Dibromofluoromethane (Surr	113	4.761	4.768	-0.007	91	264254	25.0	25.5	
\$ 5 1,2-Dichloroethane-d4 (Sur	65	5.072	5.072	0.000	0	342120	25.0	24.8	
\$ 6 Toluene-d8 (Surr)	98	6.866	6.866	0.000	95	962568	25.0	25.1	
\$ 7 4-Bromofluorobenzene (Surr	174	9.598	9.592	0.006	92	325391	25.0	25.2	
11 Dichlorodifluoromethane	85	1.300	1.294	0.006	98	281997	25.0	23.1	
13 Chloromethane	50	1.464	1.464	0.000	99	599745	25.0	22.8	
14 Vinyl chloride	62	1.555	1.543	0.012	97	438988	25.0	24.7	
144 Butadiene	54	1.574	1.574	0.000	96	533359	25.0	24.7	
15 Bromomethane	94	1.854	1.847	0.007	91	219035	25.0	24.4	
16 Chloroethane	64	1.939	1.939	0.000	98	236776	25.0	23.4	
17 Dichlorofluoromethane	67	2.146	2.139	0.007	92	515291	25.0	24.3	
18 Trichlorofluoromethane	101	2.146	2.145	0.001	79	415508	25.0	25.1	
19 Ethyl ether	59	2.431	2.431	0.000	97	382710	25.0	24.1	
20 Acrolein	56	2.584	2.583	0.001	98	340598	125.0	115.6	
22 1,1-Dichloroethene	96	2.638	2.632	0.006	92	267351	25.0	26.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.644	2.644	0.000	42	243506	25.0	24.5	
23 Acetone	43	2.736	2.736	0.000	98	747790	125.0	129.2	
24 Iodomethane	142	2.784	2.784	0.000	98	472397	25.0	24.7	
25 Carbon disulfide	76	2.827	2.827	0.000	98	807592	25.0	26.1	
27 3-Chloro-1-propene	41	2.991	2.991	0.000	86	786793	25.0	25.6	
28 Methyl acetate	43	3.034	3.040	-0.006	100	923010	50.0	45.8	
30 Methylene Chloride	84	3.125	3.125	0.000	90	296521	25.0	21.6	
31 2-Methyl-2-propanol	59	3.283	3.283	0.000	95	258370	250.0	258.8	
32 Methyl tert-butyl ether	73	3.356	3.356	0.000	94	938260	25.0	25.5	
33 trans-1,2-Dichloroethene	96	3.362	3.362	0.000	90	291120	25.0	23.6	
34 Acrylonitrile	53	3.380	3.380	0.000	98	2046245	250.0	229.9	
35 Hexane	57	3.581	3.581	0.000	97	654283	25.0	25.4	
36 1,1-Dichloroethane	63	3.764	3.764	0.000	97	626973	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
39 Vinyl acetate	43	3.819	3.818	0.000	97	2156604	50.0	54.0	
42 2,2-Dichloropropane	77	4.281	4.287	-0.006	84	376628	25.0	26.5	
43 cis-1,2-Dichloroethene	96	4.305	4.305	0.000	86	331204	25.0	23.5	
44 2-Butanone (MEK)	43	4.336	4.335	0.001	96	1258148	125.0	115.7	
47 Chlorobromomethane	128	4.536	4.536	0.000	86	169735	25.0	25.6	
49 Tetrahydrofuran	42	4.567	4.567	0.000	93	374458	50.0	49.5	
50 Chloroform	83	4.615	4.615	0.000	96	524744	25.0	23.8	
51 1,1,1-Trichloroethane	97	4.743	4.743	0.000	96	426995	25.0	25.8	
52 Cyclohexane	56	4.768	4.767	0.001	94	680225	25.0	23.8	
53 Carbon tetrachloride	117	4.889	4.883	0.006	95	380026	25.0	25.1	
54 1,1-Dichloropropene	75	4.895	4.895	0.000	86	395553	25.0	24.6	
56 Isobutyl alcohol	43	5.084	5.090	-0.006	89	584894	625.0	625.7	
55 Benzene	78	5.090	5.090	0.000	95	1152449	25.0	23.7	
57 1,2-Dichloroethane	62	5.139	5.145	-0.006	95	512564	25.0	23.2	
59 n-Heptane	43	5.303	5.303	0.000	97	744173	25.0	23.6	
60 Trichloroethene	95	5.704	5.704	0.000	94	300283	25.0	24.7	
62 Methylcyclohexane	83	5.838	5.838	0.000	95	537901	25.0	25.2	
63 1,2-Dichloropropane	63	5.930	5.923	0.007	88	333868	25.0	23.0	
64 Dibromomethane	93	6.057	6.057	0.000	92	178795	25.0	22.9	
66 1,4-Dioxane	88	6.076	6.075	0.001	82	65838	500.0	567.5	
67 Dichlorobromomethane	83	6.209	6.209	0.000	95	363491	25.0	24.1	
69 2-Chloroethyl vinyl ether	63	6.495	6.495	0.000	87	222339	25.0	23.1	
71 cis-1,3-Dichloropropene	75	6.629	6.629	0.000	85	414920	25.0	25.1	
72 4-Methyl-2-pentanone (MIBK)	58	6.775	6.775	0.000	98	950775	125.0	129.9	
73 Toluene	92	6.933	6.933	0.000	97	683380	25.0	24.8	
75 trans-1,3-Dichloropropene	75	7.189	7.195	-0.006	91	381238	25.0	26.8	
77 Ethyl methacrylate	69	7.256	7.256	0.000	89	348677	25.0	26.6	
78 1,1,2-Trichloroethane	83	7.377	7.377	0.000	94	203995	25.0	23.0	
79 Tetrachloroethene	166	7.475	7.475	0.000	96	310119	25.0	24.9	
80 1,3-Dichloropropane	76	7.542	7.542	0.000	91	407777	25.0	23.7	
82 2-Hexanone	43	7.615	7.615	0.000	97	1884675	125.0	128.6	
83 Chlorodibromomethane	129	7.779	7.779	0.000	90	268448	25.0	26.1	
84 Ethylene Dibromide	107	7.876	7.882	-0.006	99	263913	25.0	23.6	
85 Chlorobenzene	112	8.369	8.369	0.000	92	768888	25.0	23.7	
89 1,1,1,2-Tetrachloroethane	131	8.466	8.466	0.000	92	281746	25.0	25.7	
88 Ethylbenzene	91	8.472	8.472	0.000	98	1301439	25.0	26.0	
90 m-Xylene & p-Xylene	106	8.594	8.594	0.000	0	523282	25.0	26.4	
91 o-Xylene	106	9.020	9.020	0.000	96	521488	25.0	26.6	
92 Styrene	104	9.044	9.044	0.000	94	829090	25.0	25.7	
93 Bromoform	173	9.275	9.269	0.006	97	180128	25.0	25.5	
95 Isopropylbenzene	105	9.409	9.409	0.000	96	1345201	25.0	25.6	
97 Bromobenzene	156	9.744	9.744	0.000	87	355646	25.0	23.8	
98 1,1,2,2-Tetrachloroethane	83	9.786	9.786	0.000	95	360705	25.0	23.0	
99 1,2,3-Trichloropropane	110	9.817	9.817	0.000	92	123459	25.0	24.3	
101 trans-1,4-Dichloro-2-buten	53	9.835	9.835	0.000	72	148352	25.0	25.7	
100 N-Propylbenzene	91	9.841	9.841	0.000	98	1521235	25.0	25.2	
102 2-Chlorotoluene	126	9.939	9.932	0.007	96	321839	25.0	23.4	
104 1,3,5-Trimethylbenzene	105	10.024	10.024	0.000	97	1103338	25.0	25.7	
105 4-Chlorotoluene	91	10.048	10.048	0.000	98	1026149	25.0	24.5	
106 tert-Butylbenzene	134	10.340	10.340	0.000	95	259559	25.0	26.2	
108 1,2,4-Trimethylbenzene	105	10.395	10.395	0.000	97	1142651	25.0	26.0	
109 sec-Butylbenzene	105	10.553	10.553	0.000	95	1417827	25.0	24.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.675	10.675	0.000	99	656391	25.0	24.4	
111 4-Isopropyltoluene	119	10.693	10.693	0.000	98	1297284	25.0	25.3	
113 1,4-Dichlorobenzene	146	10.760	10.766	-0.006	94	678345	25.0	24.3	
115 n-Butylbenzene	91	11.082	11.082	0.000	98	1087040	25.0	25.0	
116 1,2-Dichlorobenzene	146	11.113	11.119	-0.006	97	629041	25.0	24.3	
117 1,2-Dibromo-3-Chloropropan	75	11.837	11.837	0.000	80	63677	25.0	25.7	
119 1,2,4-Trichlorobenzene	180	12.530	12.530	0.000	94	459537	25.0	25.5	
120 Hexachlorobutadiene	225	12.658	12.658	0.000	97	217680	25.0	24.4	
121 Naphthalene	128	12.743	12.743	0.000	97	1225081	25.0	26.0	
122 1,2,3-Trichlorobenzene	180	12.944	12.944	0.000	96	416876	25.0	25.5	

Reagents:

8260 CORP mix_00128	Amount Added: 12.50	Units: uL	
GAS CORP mix_00291	Amount Added: 12.50	Units: uL	
N_8260_Surr_00336	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00120	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973N\20180721-73271.b\N1704.D

Injection Date: 21-Jul-2018 23:13:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: LCS

Worklist Smp#: 26

Client ID:

Purge Vol: 5.000 mL

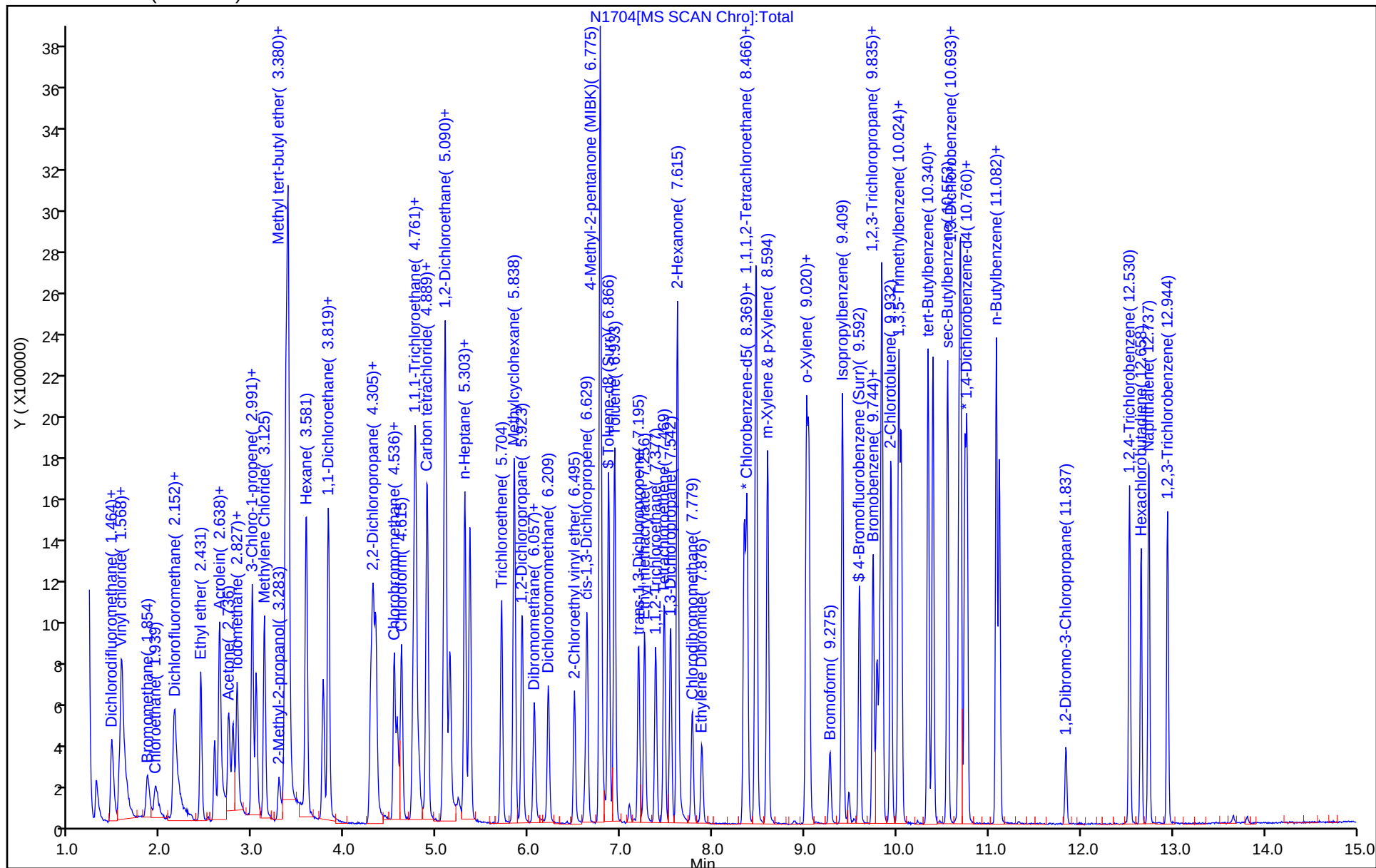
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: N-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.: 480-138781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-425707/5

Matrix: Water Lab File ID: S3762.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 10:01

Soil Aliquot Vol: _____ Dilution Factor: 1

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

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

Analysis Batch No.: 425707 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24.6		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.2		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20.2		1.0	0.31
79-00-5	1,1,2-Trichloroethane	24.1		1.0	0.23
75-34-3	1,1-Dichloroethane	23.7		1.0	0.38
75-35-4	1,1-Dichloroethene	22.4		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.7		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	25.5		1.0	0.39
106-93-4	1,2-Dibromoethane	22.6		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.6		1.0	0.79
107-06-2	1,2-Dichloroethane	22.7		1.0	0.21
78-87-5	1,2-Dichloropropane	23.9		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.1		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.1		1.0	0.84
78-93-3	2-Butanone (MEK)	121		10	1.3
591-78-6	2-Hexanone	120		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	120		5.0	2.1
67-64-1	Acetone	107		10	3.0
71-43-2	Benzene	24.0		1.0	0.41
75-27-4	Bromodichloromethane	24.1		1.0	0.39
75-25-2	Bromoform	23.2		1.0	0.26
74-83-9	Bromomethane	22.6		1.0	0.69
75-15-0	Carbon disulfide	24.3		1.0	0.19
56-23-5	Carbon tetrachloride	22.8		1.0	0.27
108-90-7	Chlorobenzene	23.9		1.0	0.75
75-00-3	Chloroethane	24.3		1.0	0.32
67-66-3	Chloroform	23.4		1.0	0.34
74-87-3	Chloromethane	22.4		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.3		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.0		1.0	0.36
110-82-7	Cyclohexane	23.7		1.0	0.18
124-48-1	Dibromochloromethane	25.6		1.0	0.32
75-71-8	Dichlorodifluoromethane	23.8		1.0	0.68
100-41-4	Ethylbenzene	25.0		1.0	0.74
98-82-8	Isopropylbenzene	25.5		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-425707/5
 Matrix: Water Lab File ID: S3762.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 10:01
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 425707 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	44.6		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.7		1.0	0.16
108-87-2	Methylcyclohexane	23.0		1.0	0.16
75-09-2	Methylene Chloride	23.1		1.0	0.44
100-42-5	Styrene	25.2		1.0	0.73
127-18-4	Tetrachloroethene	23.7		1.0	0.36
108-88-3	Toluene	24.1		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.7		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.3		1.0	0.37
79-01-6	Trichloroethene	23.9		1.0	0.46
75-69-4	Trichlorofluoromethane	23.4		1.0	0.88
75-01-4	Vinyl chloride	22.2		1.0	0.90
1330-20-7	Xylenes, Total	49.3		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)	99		73-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3762.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 22-Jul-2018 10:01:30 ALS Bottle#: 6 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0073273-005
 Operator ID: AM Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Jul-2018 11:47:14 Calib Date: 20-Jul-2018 00:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3725.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: moffata

Date: 22-Jul-2018 11:47:14

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	5.510	5.510	0.000	98	222771	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	458747	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.894	10.894	0.000	86	420015	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.932	0.000	67	276801	25.0	26.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	57	171166	25.0	25.5	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.030	0.000	91	1013545	25.0	24.8	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.769	0.000	88	305668	25.0	24.7	
10 Dichlorodifluoromethane	85	1.288	1.288	0.000	97	277123	25.0	23.8	
12 Chloromethane	50	1.464	1.464	0.000	99	429753	25.0	22.4	
13 Vinyl chloride	62	1.549	1.549	0.000	77	332902	25.0	22.2	
151 Butadiene	54	1.580	1.580	0.000	83	338177	25.0	20.9	
14 Bromomethane	94	1.878	1.884	-0.006	87	193369	25.0	22.6	
15 Chloroethane	64	1.975	1.981	-0.006	98	203974	25.0	24.3	
17 Trichlorofluoromethane	101	2.200	2.194	0.006	63	348205	25.0	23.4	
16 Dichlorofluoromethane	67	2.206	2.206	0.000	95	447790	25.0	23.2	
18 Ethyl ether	59	2.498	2.498	0.000	94	307341	25.0	24.1	
20 Acrolein	56	2.693	2.687	0.006	98	226189	125.0	108.6	
21 1,1,2-Trichloro-1,2,2-trif	101	2.711	2.711	0.018	64	188247	25.0	20.2	M
22 1,1-Dichloroethene	96	2.730	2.723	0.007	88	225023	25.0	22.4	
23 Acetone	43	2.851	2.851	0.000	99	525614	125.0	107.3	
25 Iodomethane	142	2.894	2.894	0.000	98	351532	25.0	23.3	
26 Carbon disulfide	76	2.924	2.930	-0.006	98	727483	25.0	24.3	
28 3-Chloro-1-propene	41	3.095	3.095	0.000	88	448724	25.0	24.1	
27 Methyl acetate	43	3.149	3.149	0.000	96	618403	50.0	44.6	
30 Methylene Chloride	84	3.253	3.259	-0.006	86	293364	25.0	23.1	
31 2-Methyl-2-propanol	59	3.423	3.423	0.000	95	394521	250.0	235.8	
32 Methyl tert-butyl ether	73	3.454	3.454	0.000	92	901759	25.0	24.7	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	92	261112	25.0	23.7	
33 Acrylonitrile	53	3.539	3.539	0.000	99	1601546	250.0	227.5	
35 Hexane	57	3.666	3.666	0.000	87	482244	25.0	24.5	
39 1,1-Dichloroethane	63	3.898	3.898	0.000	86	530983	25.0	23.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.952	3.952	0.000	97	1551506	50.0	52.0	
44 2,2-Dichloropropane	77	4.421	4.421	0.000	94	298812	25.0	24.9	
45 cis-1,2-Dichloroethene	96	4.457	4.457	0.000	69	314793	25.0	24.3	
43 2-Butanone (MEK)	43	4.500	4.494	0.006	93	949146	125.0	120.5	
48 Chlorobromomethane	128	4.695	4.695	0.000	90	154322	25.0	24.2	
49 Tetrahydrofuran	42	4.713	4.713	0.000	91	259887	50.0	47.4	
50 Chloroform	83	4.774	4.774	0.000	81	481633	25.0	23.4	
51 1,1,1-Trichloroethane	97	4.883	4.883	0.000	90	358435	25.0	24.6	
52 Cyclohexane	56	4.883	4.883	0.000	90	474160	25.0	23.7	
55 Carbon tetrachloride	117	5.017	5.017	0.000	91	294025	25.0	22.8	
54 1,1-Dichloropropene	75	5.035	5.035	0.000	94	363391	25.0	24.4	
57 Benzene	78	5.242	5.242	0.000	96	1113805	25.0	24.0	
53 Isobutyl alcohol	43	5.266	5.266	0.000	96	503866	625.0	621.6	
58 1,2-Dichloroethane	62	5.315	5.315	0.000	73	429440	25.0	22.7	
59 n-Heptane	43	5.412	5.412	0.000	93	500944	25.0	24.5	
62 Trichloroethene	95	5.850	5.850	0.000	90	282092	25.0	23.9	
64 Methylcyclohexane	83	5.960	5.966	-0.006	93	444068	25.0	23.0	
65 1,2-Dichloropropane	63	6.100	6.094	0.006	95	313523	25.0	23.9	
67 Dibromomethane	93	6.234	6.234	0.000	90	187396	25.0	24.3	
66 1,4-Dioxane	88	6.246	6.244	0.006	45	65100	500.0	432.6	
68 Dichlorobromomethane	83	6.392	6.386	0.006	93	349405	25.0	24.1	
69 2-Chloroethyl vinyl ether	63	6.666	6.666	0.000	91	224482	25.0	24.1	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	86	423738	25.0	26.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.957	0.000	96	1981353	125.0	120.1	
74 Toluene	92	7.092	7.097	0.001	94	721221	25.0	24.1	
77 trans-1,3-Dichloropropene	75	7.377	7.383	0.000	91	387323	25.0	25.3	
75 Ethyl methacrylate	69	7.414	7.419	0.000	91	403747	25.0	25.2	
79 1,1,2-Trichloroethane	83	7.566	7.571	0.000	89	223953	25.0	24.1	
81 Tetrachloroethene	166	7.615	7.626	-0.006	77	277224	25.0	23.7	
82 1,3-Dichloropropane	76	7.730	7.736	0.000	94	464236	25.0	23.6	
80 2-Hexanone	43	7.791	7.797	0.000	93	1462932	125.0	119.6	
83 Chlorodibromomethane	129	7.968	7.973	0.000	85	271550	25.0	25.6	
84 Ethylene Dibromide	107	8.071	8.077	0.000	97	270529	25.0	22.6	
87 Chlorobenzene	112	8.539	8.545	0.000	92	797307	25.0	23.9	
88 Ethylbenzene	91	8.631	8.637	0.000	99	1312639	25.0	25.0	
89 1,1,1,2-Tetrachloroethane	131	8.643	8.643	0.006	50	266708	25.0	25.0	
90 m-Xylene & p-Xylene	106	8.752	8.759	0.000	98	512156	25.0	24.4	
91 o-Xylene	106	9.178	9.185	0.000	98	501153	25.0	24.9	
92 Styrene	104	9.215	9.215	0.006	94	861945	25.0	25.2	
95 Bromoform	173	9.464	9.477	-0.006	95	159420	25.0	23.2	
94 Isopropylbenzene	105	9.561	9.561	0.000	96	1277429	25.0	25.5	
101 Bromobenzene	156	9.908	9.908	0.000	94	326494	25.0	24.1	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	83	369504	25.0	23.2	
99 N-Propylbenzene	91	9.987	9.987	0.000	99	1464397	25.0	24.4	
100 1,2,3-Trichloropropane	110	9.999	9.999	0.000	71	120148	25.0	22.9	
98 trans-1,4-Dichloro-2-buten	53	10.018	10.018	0.000	78	66029	25.0	18.3	
103 2-Chlorotoluene	126	10.091	10.091	0.000	94	298118	25.0	22.7	
102 1,3,5-Trimethylbenzene	105	10.164	10.164	0.000	86	1099883	25.0	26.3	
105 4-Chlorotoluene	126	10.200	10.200	0.000	96	328715	25.0	25.2	
106 tert-Butylbenzene	134	10.474	10.480	-0.006	93	227892	25.0	24.5	
107 1,2,4-Trimethylbenzene	105	10.529	10.529	0.000	33	1138977	25.0	25.6	
109 sec-Butylbenzene	105	10.687	10.687	0.000	94	1337119	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
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	72	626644	25.0	25.1	
110 4-Isopropyltoluene	119	10.827	10.827	0.000	97	1172061	25.0	26.4	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	94	644632	25.0	24.1	
115 n-Butylbenzene	91	11.210	11.210	0.000	98	1048819	25.0	26.8	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	92	619383	25.0	24.6	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	78	71055	25.0	25.5	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	94	442941	25.0	25.7	
120 Hexachlorobutadiene	225	12.767	12.767	0.000	95	195666	25.0	25.2	
121 Naphthalene	128	12.877	12.877	0.000	97	1254414	25.0	26.7	
122 1,2,3-Trichlorobenzene	180	13.078	13.078	0.000	93	418708	25.0	25.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00128

Amount Added: 12.50

Units: uL

GAS CORP mix_00291

Amount Added: 12.50

Units: uL

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180722-73273.b\\S3762.D

Injection Date: 22-Jul-2018 10:01:30

Instrument ID: HP5973S

Operator ID: AM

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

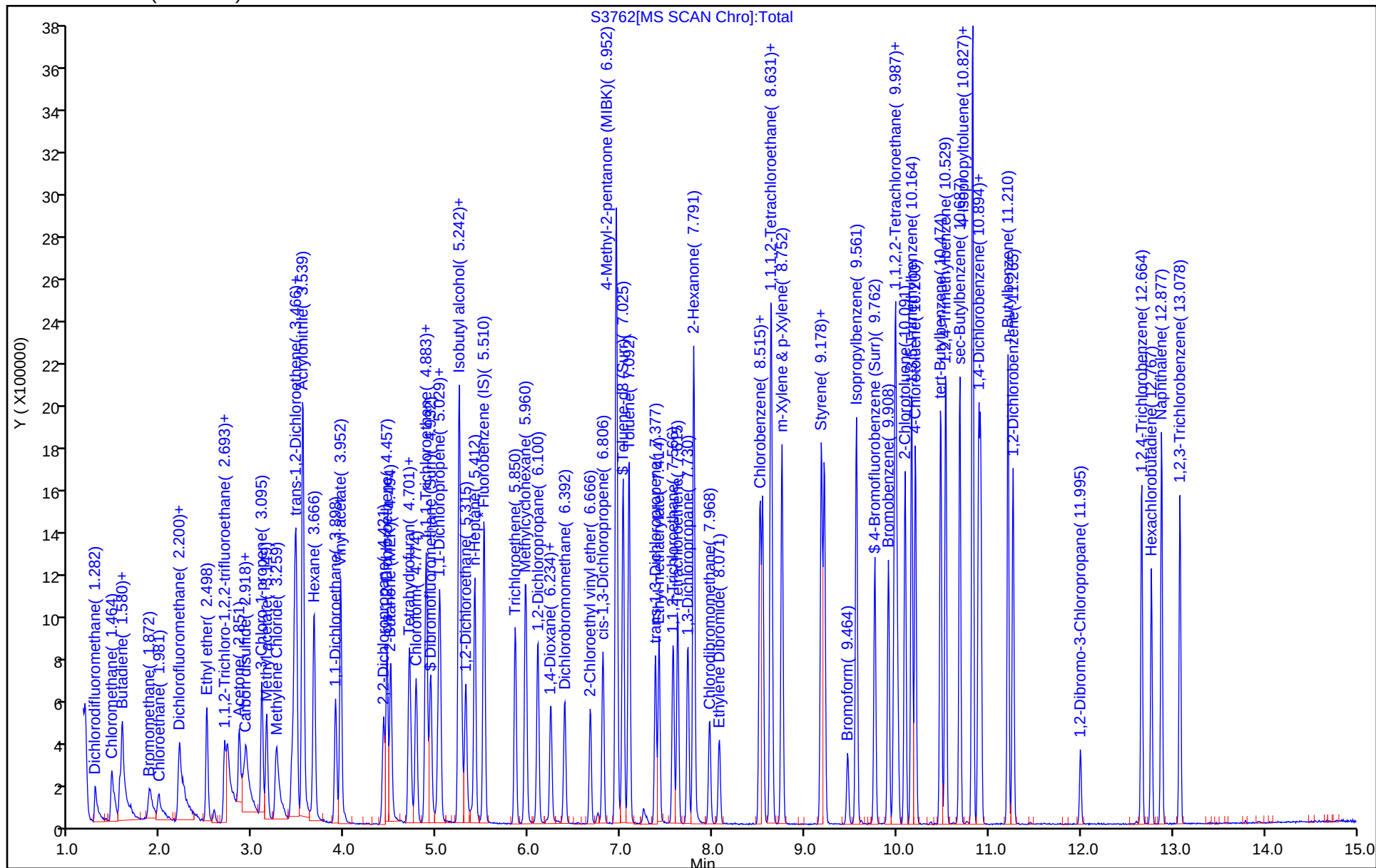
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3762.D

Injection Date: 22-Jul-2018 10:01:30

Instrument ID: HP5973S

Lims ID: LCS

Client ID:

Operator ID: AM

ALS Bottle#:

6

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

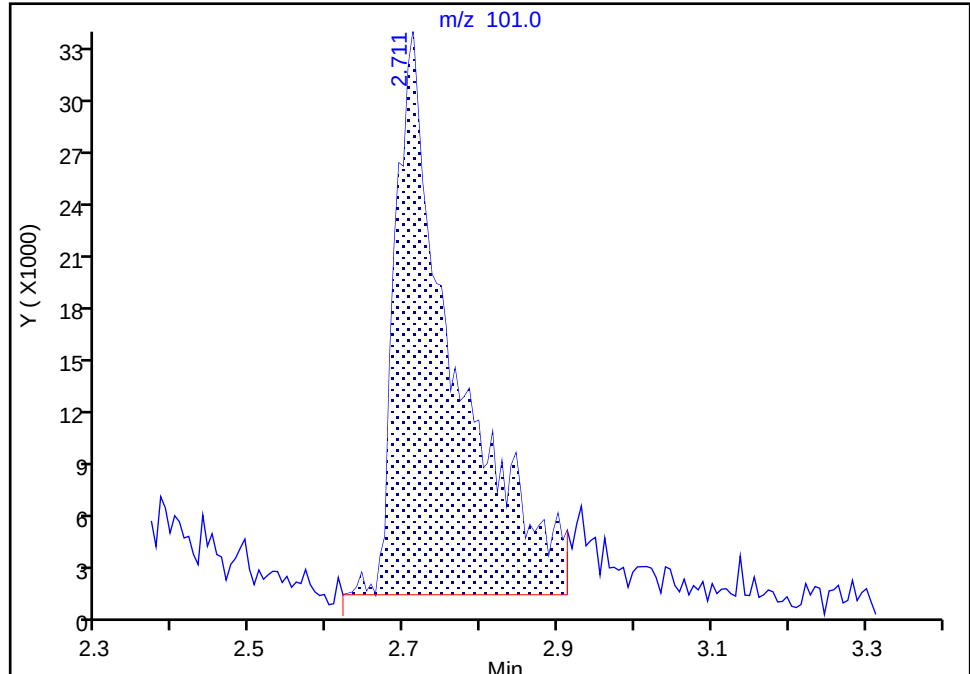
Detector: MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

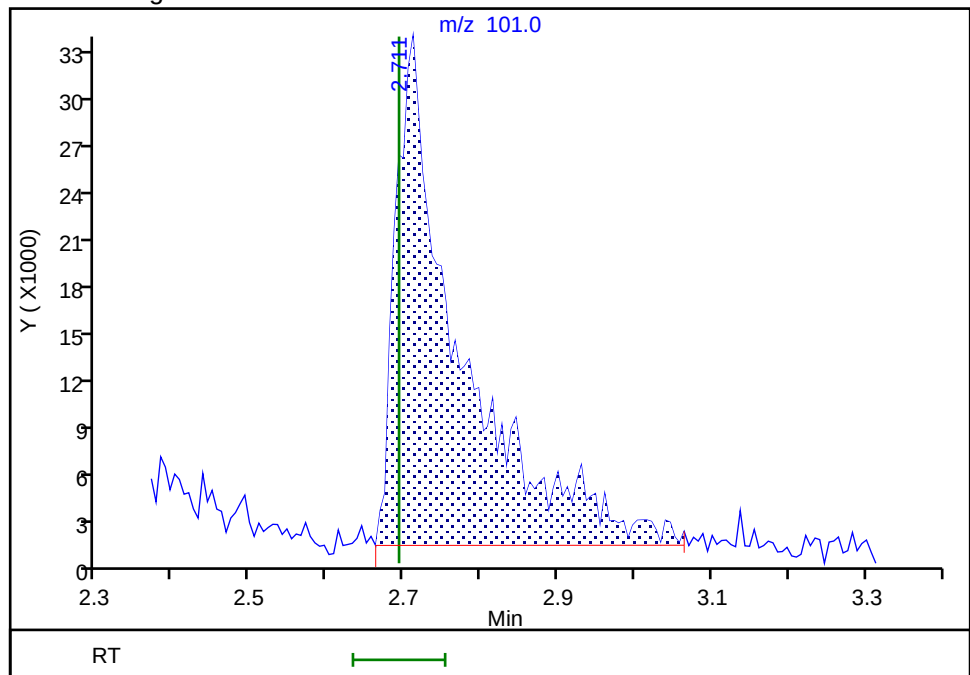
RT: 2.71
Area: 172983
Amount: 18.599426
Amount Units: ug/L

Processing Integration Results



RT: 2.71
Area: 188247
Amount: 20.240637
Amount Units: ug/L

Manual Integration Results



Reviewer: moffata, 22-Jul-2018 11:46:52

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>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-8R MS</u>	Lab Sample ID: <u>480-138931-10 MS</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3783.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/13/2018 14:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/22/2018 18:21</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>425707</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	249		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	228		10	2.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	180		10	3.1
79-00-5	1,1,2-Trichloroethane	241		10	2.3
75-34-3	1,1-Dichloroethane	250		10	3.8
75-35-4	1,1-Dichloroethene	243		10	2.9
120-82-1	1,2,4-Trichlorobenzene	239		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	240		10	3.9
106-93-4	1,2-Dibromoethane	236		10	7.3
95-50-1	1,2-Dichlorobenzene	237		10	7.9
107-06-2	1,2-Dichloroethane	233		10	2.1
78-87-5	1,2-Dichloropropane	244		10	7.2
541-73-1	1,3-Dichlorobenzene	244		10	7.8
106-46-7	1,4-Dichlorobenzene	237		10	8.4
78-93-3	2-Butanone (MEK)	1220		100	13
591-78-6	2-Hexanone	1150		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	1180		50	21
67-64-1	Acetone	1240		100	30
71-43-2	Benzene	243		10	4.1
75-27-4	Bromodichloromethane	240		10	3.9
75-25-2	Bromoform	203		10	2.6
74-83-9	Bromomethane	212		10	6.9
75-15-0	Carbon disulfide	234		10	1.9
56-23-5	Carbon tetrachloride	244		10	2.7
108-90-7	Chlorobenzene	238		10	7.5
75-00-3	Chloroethane	302		10	3.2
67-66-3	Chloroform	235		10	3.4
74-87-3	Chloromethane	239		10	3.5
156-59-2	cis-1,2-Dichloroethene	273		10	8.1
10061-01-5	cis-1,3-Dichloropropene	252		10	3.6
110-82-7	Cyclohexane	219		10	1.8
124-48-1	Dibromochloromethane	238		10	3.2
75-71-8	Dichlorodifluoromethane	276		10	6.8
100-41-4	Ethylbenzene	247		10	7.4
98-82-8	Isopropylbenzene	250		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Client Sample ID: MW-8R MS Lab Sample ID: 480-138931-10 MS

Matrix: Water Lab File ID: S3783.D

Analysis Method: 8260C Date Collected: 07/13/2018 14:15

Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 18:21

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.: 425707 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	458		25	13
1634-04-4	Methyl tert-butyl ether	246		10	1.6
108-87-2	Methylcyclohexane	233		10	1.6
75-09-2	Methylene Chloride	243		10	4.4
100-42-5	Styrene	254		10	7.3
127-18-4	Tetrachloroethene	237		10	3.6
108-88-3	Toluene	265		10	5.1
156-60-5	trans-1,2-Dichloroethene	242		10	9.0
10061-02-6	trans-1,3-Dichloropropene	246		10	3.7
79-01-6	Trichloroethene	243		10	4.6
75-69-4	Trichlorofluoromethane	279		10	8.8
75-01-4	Vinyl chloride	405		10	9.0
1330-20-7	Xylenes, Total	501		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
2037-26-5	Toluene-d8 (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3783.D
 Lims ID: 480-138931-B-10 MS
 Client ID:
 Sample Type: MS
 Inject. Date: 22-Jul-2018 18:21:30 ALS Bottle#: 19 Worklist Smp#: 28
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-138931-B-10 MS
 Misc. Info.: 480-0073273-028
 Operator ID: AM Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Jul-2018 15:04:05 Calib Date: 20-Jul-2018 00:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3725.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX0307

First Level Reviewer: velickovics

Date: 23-Jul-2018 15:05:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.510	5.510	0.000	98	211019	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	86	436570	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.894	-0.006	89	405508	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.937	0.000	56	258740	25.0	25.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	56	159930	25.0	25.1	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.030	0.000	91	990770	25.0	25.5	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.769	0.000	90	293661	25.0	24.9	
10 Dichlorodifluoromethane	85	1.282	1.288	-0.006	84	304826	25.0	27.6	
12 Chloromethane	50	1.458	1.464	-0.006	99	434186	25.0	23.9	
13 Vinyl chloride	62	1.549	1.549	0.000	82	575950	25.0	40.5	
14 Bromomethane	94	1.872	1.884	-0.012	91	171852	25.0	21.2	
15 Chloroethane	64	1.975	1.981	-0.006	92	240750	25.0	30.2	
17 Trichlorofluoromethane	101	2.200	2.194	0.006	66	393038	25.0	27.9	
21 1,1,2-Trichloro-1,2,2-trif	101	2.699	2.693	0.006	54	158402	25.0	18.0	
22 1,1-Dichloroethene	96	2.718	2.772	-0.005	84	231593	25.0	24.3	
23 Acetone	43	2.851	2.857	0.000	100	576439	125.0	124.2	
26 Carbon disulfide	76	2.918	2.936	-0.012	99	664762	25.0	23.4	
27 Methyl acetate	43	3.149	3.149	0.000	96	601234	50.0	45.8	
30 Methylene Chloride	84	3.253	3.259	-0.006	98	292398	25.0	24.3	
32 Methyl tert-butyl ether	73	3.454	3.460	0.000	93	850887	25.0	24.6	
34 trans-1,2-Dichloroethene	96	3.472	3.472	0.000	93	253241	25.0	24.2	
39 1,1-Dichloroethane	63	3.898	3.898	0.000	97	529750	25.0	25.0	
45 cis-1,2-Dichloroethene	96	4.457	4.451	0.000	67	335728	25.0	27.3	
43 2-Butanone (MEK)	43	4.494	4.506	0.000	93	906979	125.0	121.6	
50 Chloroform	83	4.774	4.774	0.000	94	457350	25.0	23.5	
52 Cyclohexane	56	4.883	4.889	0.000	92	414711	25.0	21.9	
51 1,1,1-Trichloroethane	97	4.883	4.883	0.000	91	344234	25.0	24.9	
55 Carbon tetrachloride	117	5.017	5.017	0.000	89	298538	25.0	24.4	
57 Benzene	78	5.242	5.242	0.000	96	1069247	25.0	24.3	
58 1,2-Dichloroethane	62	5.315	5.303	0.000	73	417878	25.0	23.3	
62 Trichloroethene	95	5.851	5.850	0.001	90	272456	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
64 Methylcyclohexane	83	5.966	5.966	0.000	93	425982	25.0	23.3	
65 1,2-Dichloropropane	63	6.100	6.094	0.006	94	302935	25.0	24.4	
68 Dichlorobromomethane	83	6.386	6.386	0.000	92	330148	25.0	24.0	
72 cis-1,3-Dichloropropene	75	6.800	6.806	-0.006	89	388583	25.0	25.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.946	6.957	-0.006	97	1855383	125.0	118.1	
74 Toluene	92	7.092	7.079	0.001	94	755911	25.0	26.5	
77 trans-1,3-Dichloropropene	75	7.378	7.383	0.001	90	358557	25.0	24.6	
79 1,1,2-Trichloroethane	83	7.566	7.572	0.000	87	213114	25.0	24.1	
81 Tetrachloroethene	166	7.621	7.615	0.000	69	263858	25.0	23.7	
80 2-Hexanone	43	7.791	7.797	0.000	93	1344865	125.0	115.5	
83 Chlorodibromomethane	129	7.962	7.973	-0.006	90	239740	25.0	23.8	
84 Ethylene Dibromide	107	8.071	8.077	0.000	99	268475	25.0	23.6	
87 Chlorobenzene	112	8.540	8.546	0.001	93	756008	25.0	23.8	
88 Ethylbenzene	91	8.631	8.625	0.000	98	1231802	25.0	24.7	
90 m-Xylene & p-Xylene	106	8.746	8.752	-0.006	98	503136		25.1	
91 o-Xylene	106	9.178	9.184	0.000	98	479056		25.0	
92 Styrene	104	9.209	9.215	0.000	93	829193	25.0	25.4	
95 Bromoform	173	9.464	9.477	-0.006	95	131939	25.0	20.3	
94 Isopropylbenzene	105	9.562	9.555	0.001	96	1205937	25.0	25.0	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	76	350264	25.0	22.8	
111 1,3-Dichlorobenzene	146	10.821	10.827	-0.006	72	587416	25.0	24.4	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	94	613265	25.0	23.7	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	97	576230	25.0	23.7	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	74	64633	25.0	24.0	
119 1,2,4-Trichlorobenzene	180	12.658	12.664	-0.006	93	397090	25.0	23.9	
S 124 Xylenes, Total	1				0			50.2	

Reagents:

8260 CORP mix_00128

Amount Added: 12.50

Units: uL

GAS CORP mix_00291

Amount Added: 12.50

Units: uL

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973S\\20180722-73273.b\\S3783.D

Injection Date: 22-Jul-2018 18:21:30

Instrument ID: HP5973S

Operator ID: AM

Lims ID: 480-138931-B-10 MS

Worklist Smp#: 28

Client ID:

Purge Vol: 5.000 mL

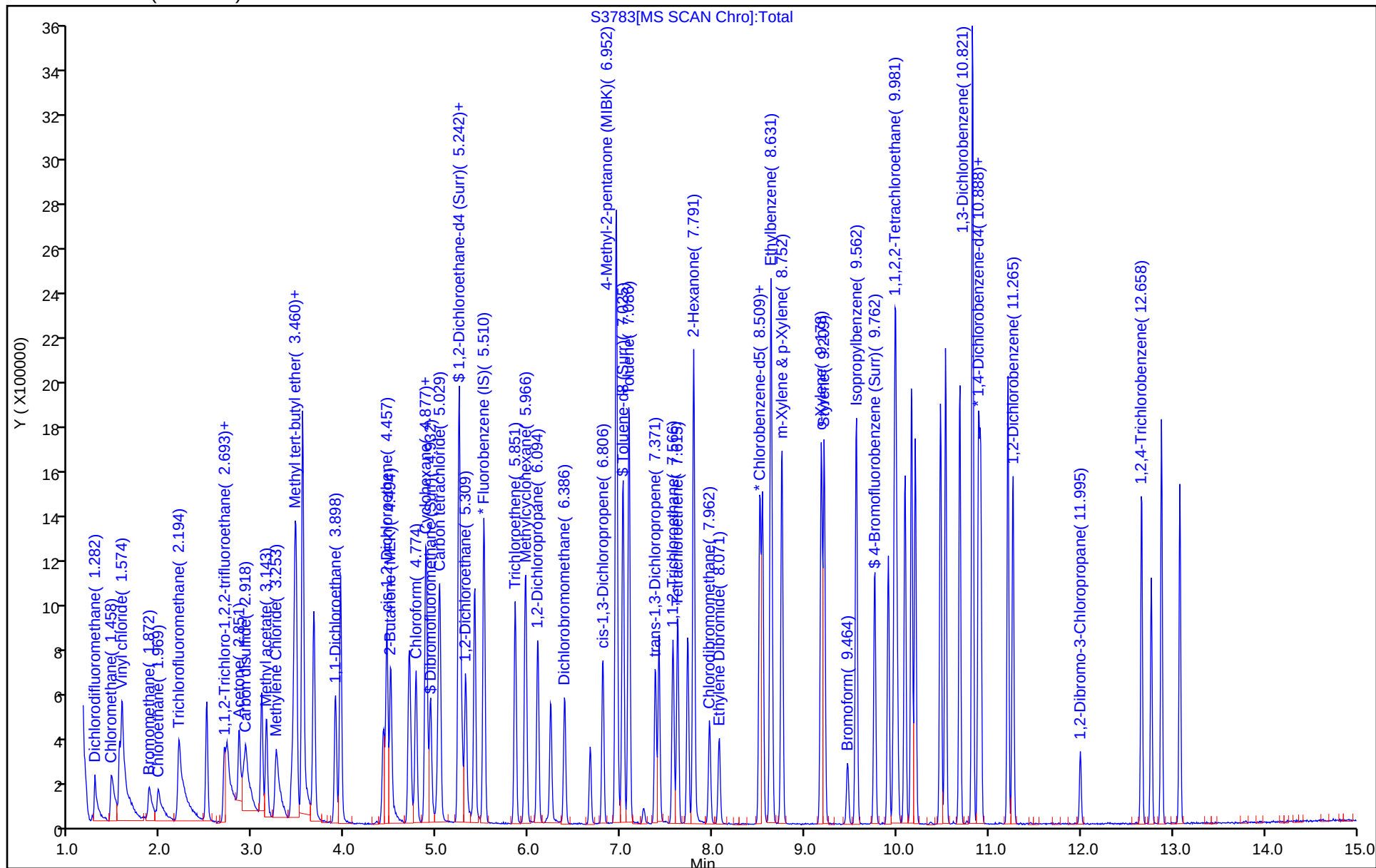
Dil. Factor: 10.0000

ALS Bottle#: 19

Method: S-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>480-138781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-8R MSD</u>	Lab Sample ID: <u>480-138931-10 MSD</u>
Matrix: <u>Water</u>	Lab File ID: <u>S3784.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>07/13/2018 14:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>07/22/2018 18:45</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>425707</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	194		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	181		10	2.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	181		10	3.1
79-00-5	1,1,2-Trichloroethane	191		10	2.3
75-34-3	1,1-Dichloroethane	197		10	3.8
75-35-4	1,1-Dichloroethene	188		10	2.9
120-82-1	1,2,4-Trichlorobenzene	202		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	189		10	3.9
106-93-4	1,2-Dibromoethane	184		10	7.3
95-50-1	1,2-Dichlorobenzene	191		10	7.9
107-06-2	1,2-Dichloroethane	182		10	2.1
78-87-5	1,2-Dichloropropane	190		10	7.2
541-73-1	1,3-Dichlorobenzene	198		10	7.8
106-46-7	1,4-Dichlorobenzene	191		10	8.4
78-93-3	2-Butanone (MEK)	912		100	13
591-78-6	2-Hexanone	905		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	933		50	21
67-64-1	Acetone	965		100	30
71-43-2	Benzene	198		10	4.1
75-27-4	Bromodichloromethane	191		10	3.9
75-25-2	Bromoform	155		10	2.6
74-83-9	Bromomethane	186		10	6.9
75-15-0	Carbon disulfide	187		10	1.9
56-23-5	Carbon tetrachloride	195		10	2.7
108-90-7	Chlorobenzene	193		10	7.5
75-00-3	Chloroethane	264		10	3.2
67-66-3	Chloroform	189		10	3.4
74-87-3	Chloromethane	194		10	3.5
156-59-2	cis-1,2-Dichloroethene	223		10	8.1
10061-01-5	cis-1,3-Dichloropropene	192		10	3.6
110-82-7	Cyclohexane	193		10	1.8
124-48-1	Dibromochloromethane	190		10	3.2
75-71-8	Dichlorodifluoromethane	213		10	6.8
100-41-4	Ethylbenzene	200		10	7.4
98-82-8	Isopropylbenzene	201		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1
 SDG No.: _____
 Client Sample ID: MW-8R MSD Lab Sample ID: 480-138931-10 MSD
 Matrix: Water Lab File ID: S3784.D
 Analysis Method: 8260C Date Collected: 07/13/2018 14:15
 Sample wt/vol: 5 (mL) Date Analyzed: 07/22/2018 18:45
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 425707 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	334		25	13
1634-04-4	Methyl tert-butyl ether	196		10	1.6
108-87-2	Methylcyclohexane	185		10	1.6
75-09-2	Methylene Chloride	181		10	4.4
100-42-5	Styrene	203		10	7.3
127-18-4	Tetrachloroethene	193		10	3.6
108-88-3	Toluene	217		10	5.1
156-60-5	trans-1,2-Dichloroethene	192		10	9.0
10061-02-6	trans-1,3-Dichloropropene	192		10	3.7
79-01-6	Trichloroethene	188		10	4.6
75-69-4	Trichlorofluoromethane	223		10	8.8
75-01-4	Vinyl chloride	365		10	9.0
1330-20-7	Xylenes, Total	397		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3784.D
 Lims ID: 480-138931-B-10 MSD
 Client ID:
 Sample Type: MSD
 Inject. Date: 22-Jul-2018 18:45:30 ALS Bottle#: 20 Worklist Smp#: 29
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-138931-B-10 MSD
 Misc. Info.: 480-0073273-029
 Operator ID: AM Instrument ID: HP5973S
 Method: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 23-Jul-2018 15:04:05 Calib Date: 20-Jul-2018 00:00:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973S\20180719-73226.b\S3725.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX0307

First Level Reviewer: velickovics

Date: 23-Jul-2018 15:05:24

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	5.510	5.510	0.000	99	213809	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.509	8.509	0.000	88	443824	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.888	10.894	-0.006	90	414309	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.932	4.937	0.000	57	262423	25.0	26.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	5.242	5.242	0.000	60	175647	25.0	27.2	
\$ 5 Toluene-d8 (Surr)	98	7.025	7.030	0.000	90	998862	25.0	25.3	
\$ 6 4-Bromofluorobenzene (Surr	174	9.762	9.769	0.000	90	304366	25.0	25.4	
10 Dichlorodifluoromethane	85	1.288	1.288	0.000	96	238228	25.0	21.3	
12 Chloromethane	50	1.470	1.464	0.006	89	356208	25.0	19.4	
13 Vinyl chloride	62	1.549	1.549	0.000	78	525517	25.0	36.5	
14 Bromomethane	94	1.878	1.884	-0.006	88	153190	25.0	18.6	
15 Chloroethane	64	1.975	1.981	-0.006	94	213194	25.0	26.4	
17 Trichlorofluoromethane	101	2.200	2.194	0.006	64	318086	25.0	22.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.705	2.693	0.012	68	161595	25.0	18.1	
22 1,1-Dichloroethene	96	2.723	2.772	0.000	85	181583	25.0	18.8	
23 Acetone	43	2.851	2.857	0.000	100	453815	125.0	96.5	
26 Carbon disulfide	76	2.924	2.936	-0.006	88	538386	25.0	18.7	
27 Methyl acetate	43	3.149	3.149	0.000	96	443960	50.0	33.4	
30 Methylene Chloride	84	3.259	3.259	0.000	92	222196	25.0	18.1	
32 Methyl tert-butyl ether	73	3.460	3.460	0.006	93	686111	25.0	19.6	
34 trans-1,2-Dichloroethene	96	3.478	3.472	0.006	93	203589	25.0	19.2	
39 1,1-Dichloroethane	63	3.898	3.898	0.000	85	423769	25.0	19.7	
45 cis-1,2-Dichloroethene	96	4.457	4.451	0.000	68	277444	25.0	22.3	
43 2-Butanone (MEK)	43	4.500	4.506	0.006	94	689539	125.0	91.2	
50 Chloroform	83	4.774	4.774	0.000	80	372808	25.0	18.9	
52 Cyclohexane	56	4.883	4.889	0.000	89	369684	25.0	19.3	
51 1,1,1-Trichloroethane	97	4.883	4.883	0.000	84	272230	25.0	19.4	
55 Carbon tetrachloride	117	5.017	5.017	0.000	94	241676	25.0	19.5	
57 Benzene	78	5.242	5.242	0.000	95	883156	25.0	19.8	
58 1,2-Dichloroethane	62	5.309	5.303	-0.006	79	331427	25.0	18.2	
62 Trichloroethene	95	5.850	5.850	0.000	90	212823	25.0	18.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.966	5.966	0.000	95	343586	25.0	18.5	
65 1,2-Dichloropropane	63	6.100	6.094	0.006	93	238986	25.0	19.0	
68 Dichlorobromomethane	83	6.392	6.386	0.006	93	266167	25.0	19.1	
72 cis-1,3-Dichloropropene	75	6.806	6.806	0.000	90	300843	25.0	19.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.952	6.957	0.000	96	1489486	125.0	93.3	
74 Toluene	92	7.091	7.079	0.000	95	628957	25.0	21.7	
77 trans-1,3-Dichloropropene	75	7.371	7.383	-0.006	96	284520	25.0	19.2	
79 1,1,2-Trichloroethane	83	7.566	7.572	0.000	94	171808	25.0	19.1	
81 Tetrachloroethene	166	7.621	7.615	0.000	78	219055	25.0	19.3	
80 2-Hexanone	43	7.791	7.797	0.000	93	1070833	125.0	90.5	
83 Chlorodibromomethane	129	7.967	7.973	-0.001	87	194473	25.0	19.0	
84 Ethylene Dibromide	107	8.071	8.077	0.000	98	212616	25.0	18.4	
87 Chlorobenzene	112	8.539	8.546	0.000	94	623244	25.0	19.3	
88 Ethylbenzene	91	8.631	8.625	0.000	98	1012405	25.0	20.0	
90 m-Xylene & p-Xylene	106	8.752	8.752	0.000	98	399783		19.7	
91 o-Xylene	106	9.178	9.184	0.000	97	388652		20.0	
92 Styrene	104	9.209	9.215	0.000	92	671866	25.0	20.3	
95 Bromoform	173	9.464	9.477	-0.006	94	101570	25.0	15.5	
94 Isopropylbenzene	105	9.561	9.555	0.000	95	992866	25.0	20.1	
97 1,1,2,2-Tetrachloroethane	83	9.969	9.969	0.000	65	284100	25.0	18.1	
111 1,3-Dichlorobenzene	146	10.827	10.827	0.000	75	487645	25.0	19.8	
113 1,4-Dichlorobenzene	146	10.912	10.912	0.000	95	504211	25.0	19.1	
116 1,2-Dichlorobenzene	146	11.265	11.265	0.000	95	473611	25.0	19.1	
117 1,2-Dibromo-3-Chloropropan	75	11.995	11.995	0.000	72	51928	25.0	18.9	
119 1,2,4-Trichlorobenzene	180	12.664	12.664	0.000	94	342778	25.0	20.2	
S 124 Xylenes, Total	1				0			39.6	

Reagents:

8260 CORP mix_00128

Amount Added: 12.50

Units: uL

GAS CORP mix_00291

Amount Added: 12.50

Units: uL

S_8260_IS_00294

Amount Added: 1.00

Units: uL

Run Reagent

S_8260_Surr_00276

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20180722-73273.b\S3784.D

Injection Date: 22-Jul-2018 18:45:30

Instrument ID: HP5973S

Operator ID: AM

Lims ID: 480-138931-B-10 MSD

Worklist Smp#: 29

Client ID:

Purge Vol: 5.000 mL

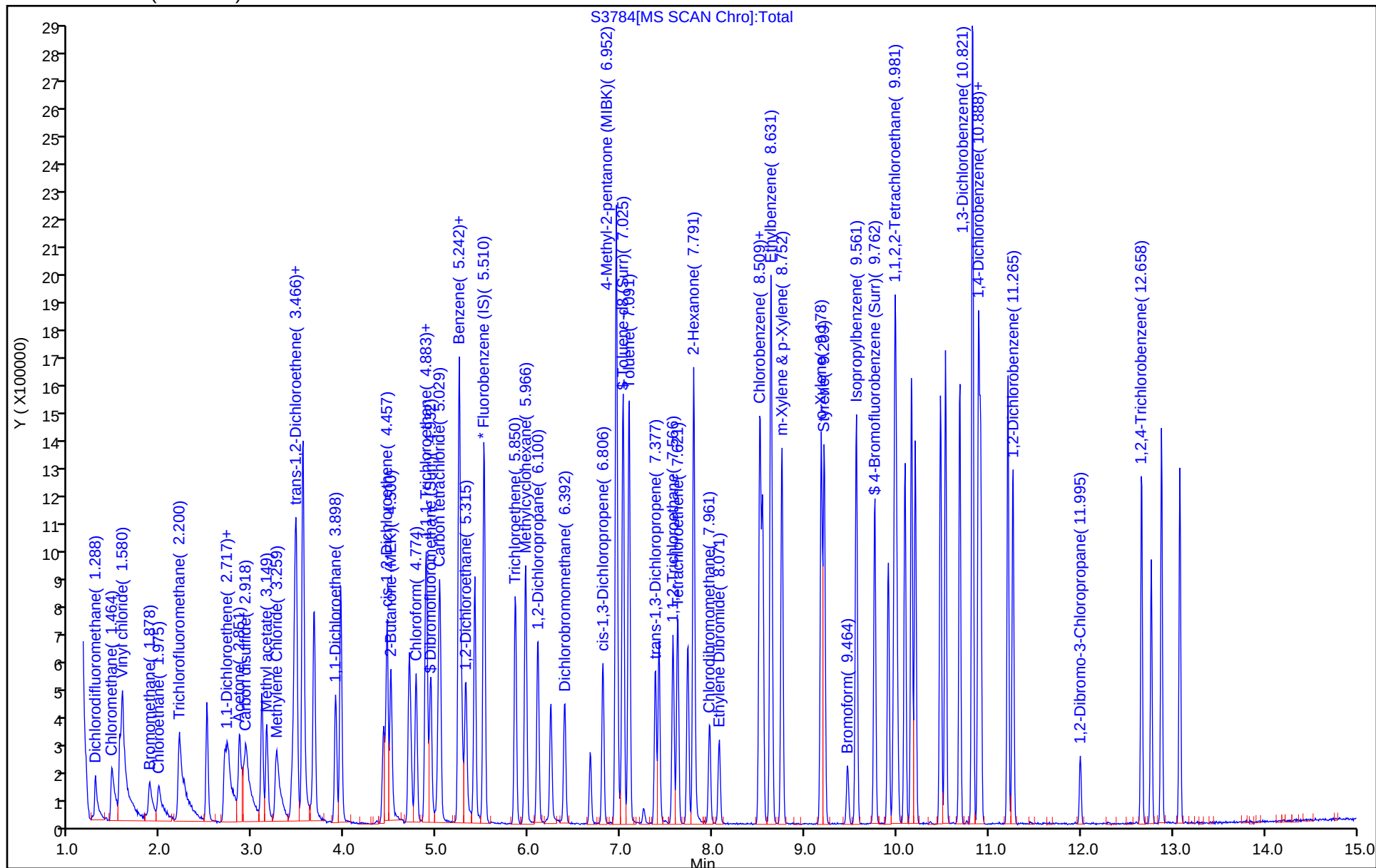
Dil. Factor: 10.0000

ALS Bottle#: 20

Method: S-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-138781-1

SDG No.: _____

Instrument ID: HP5973NStart Date: 06/15/2018 12:58Analysis Batch Number: 419847End Date: 06/15/2018 23:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-419847/5		06/15/2018 12:58	1	N0607.D	ZB-624 (20) 0.18 (mm)
IC 480-419847/7		06/15/2018 13:52	1	N0609.D	ZB-624 (20) 0.18 (mm)
IC 480-419847/8		06/15/2018 14:19	1	N0610.D	ZB-624 (20) 0.18 (mm)
IC 480-419847/9		06/15/2018 14:46	1	N0611.D	ZB-624 (20) 0.18 (mm)
IC 480-419847/10		06/15/2018 15:13	1	N0612.D	ZB-624 (20) 0.18 (mm)
IC 480-419847/11		06/15/2018 15:40	1	N0613.D	ZB-624 (20) 0.18 (mm)
ICIS 480-419847/12		06/15/2018 16:07	1	N0614.D	ZB-624 (20) 0.18 (mm)
IC 480-419847/13		06/15/2018 16:34	1	N0615.D	ZB-624 (20) 0.18 (mm)
IC 480-419847/14		06/15/2018 17:01	1	N0616.D	ZB-624 (20) 0.18 (mm)
MDLV 480-419847/16		06/15/2018 17:55	1		ZB-624 (20) 0.18 (mm)
MDLV 480-419847/17		06/15/2018 18:22	1		ZB-624 (20) 0.18 (mm)
IC 480-419847/19		06/15/2018 19:16	1		ZB-624 (20) 0.18 (mm)
IC 480-419847/20		06/15/2018 19:43	1		ZB-624 (20) 0.18 (mm)
IC 480-419847/21		06/15/2018 20:11	1		ZB-624 (20) 0.18 (mm)
IC 480-419847/22		06/15/2018 20:38	1		ZB-624 (20) 0.18 (mm)
IC 480-419847/23		06/15/2018 21:05	1		ZB-624 (20) 0.18 (mm)
IC 480-419847/24		06/15/2018 21:32	1		ZB-624 (20) 0.18 (mm)
IC 480-419847/25		06/15/2018 21:59	1		ZB-624 (20) 0.18 (mm)
MDLV 480-419847/27		06/15/2018 22:54	1		ZB-624 (20) 0.18 (mm)
ICV 480-419847/28		06/15/2018 23:21	1		ZB-624 (20) 0.18 (mm)
ICV 480-419847/29		06/15/2018 23:48	1		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-138781-1

SDG No.: _____

Instrument ID: HP5973NStart Date: 07/15/2018 08:38Analysis Batch Number: 424504End Date: 07/15/2018 20:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-424504/2		07/15/2018 08:38	1	N1473.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-424504/3		07/15/2018 09:02	1	N1474.D	ZB-624 (20) 0.18 (mm)
LCS 480-424504/5		07/15/2018 09:56	1	N1476.D	ZB-624 (20) 0.18 (mm)
MB 480-424504/7		07/15/2018 10:50	1	N1478.D	ZB-624 (20) 0.18 (mm)
480-138781-1		07/15/2018 11:27	1	N1479.D	ZB-624 (20) 0.18 (mm)
480-138781-3		07/15/2018 11:54	20	N1480.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 12:22	20		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 12:49	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 13:16	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 13:43	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 14:10	4		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 14:37	5		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 15:05	4		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 15:32	4		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 15:59	5		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 16:27	10		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 16:54	10		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 17:21	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 17:48	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 18:15	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 18:42	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 19:09	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 19:36	10		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/15/2018 20:03	10		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-138781-1

SDG No.: _____

Instrument ID: HP5973NStart Date: 07/16/2018 07:59Analysis Batch Number: 424528End Date: 07/16/2018 19:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-424528/2		07/16/2018 07:59	1	N1500.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-424528/3		07/16/2018 08:25	1	N1501.D	ZB-624 (20) 0.18 (mm)
LCS 480-424528/5		07/16/2018 09:19	1	N1503.D	ZB-624 (20) 0.18 (mm)
MB 480-424528/7		07/16/2018 10:13	1	N1505.D	ZB-624 (20) 0.18 (mm)
480-138781-7		07/16/2018 10:53	1	N1506.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 11:20	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 11:47	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 12:15	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 12:42	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 13:10	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 13:36	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 14:03	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 14:30	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 14:57	40		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 15:24	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 15:51	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 16:19	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 16:46	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 17:13	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 17:40	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 18:07	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 18:34	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 19:00	40		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 19:27	40		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-138781-1

SDG No.: _____

Instrument ID: HP5973NStart Date: 07/16/2018 20:00Analysis Batch Number: 424720End Date: 07/17/2018 08:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-424720/2		07/16/2018 20:00	1	N1527.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-424720/3		07/16/2018 20:39	1	N1528.D	ZB-624 (20) 0.18 (mm)
LCS 480-424720/8		07/16/2018 21:42	1	N1530.D	ZB-624 (20) 0.18 (mm)
MB 480-424720/9		07/16/2018 22:51	1	N1532.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/16/2018 23:33	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 00:00	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 00:28	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 00:55	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 01:22	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 01:50	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 02:18	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 02:45	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 03:12	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 03:38	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 04:05	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 04:32	1		ZB-624 (20) 0.18 (mm)
480-138781-5		07/17/2018 04:58	1	N1545.D	ZB-624 (20) 0.18 (mm)
480-138781-6		07/17/2018 05:26	10	N1546.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 05:54	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 06:22	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 06:49	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 07:17	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 07:44	10		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 08:10	10		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-138781-1

SDG No.: _____

Instrument ID: HP5973NStart Date: 07/17/2018 08:32Analysis Batch Number: 424746End Date: 07/17/2018 20:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-424746/2		07/17/2018 08:32	1	N1554.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-424746/3		07/17/2018 08:59	1	N1555.D	ZB-624 (20) 0.18 (mm)
LCS 480-424746/5		07/17/2018 09:53	1	N1557.D	ZB-624 (20) 0.18 (mm)
MB 480-424746/7		07/17/2018 10:48	1	N1559.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 11:30	1		ZB-624 (20) 0.18 (mm)
480-138781-8		07/17/2018 11:57	10	N1561.D	ZB-624 (20) 0.18 (mm)
480-138781-9		07/17/2018 12:24	10	N1562.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 12:51	10		ZB-624 (20) 0.18 (mm)
480-138781-11		07/17/2018 13:19	10	N1564.D	ZB-624 (20) 0.18 (mm)
480-138781-12		07/17/2018 13:46	1	N1565.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 14:13	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 14:40	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 15:08	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 15:35	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 16:02	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 16:30	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 16:57	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 17:25	80		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 17:52	80		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 18:19	40		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 18:47	80		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 19:14	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 19:41	40		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/17/2018 20:08	40		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-138781-1

SDG No.: _____

Instrument ID: HP5973NStart Date: 07/19/2018 14:30Analysis Batch Number: 425324End Date: 07/20/2018 01:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-425324/5		07/19/2018 14:30	1	N1646.D	ZB-624 (20) 0.18 (mm)
IC 480-425324/7		07/19/2018 15:25	1	N1648.D	ZB-624 (20) 0.18 (mm)
IC 480-425324/8		07/19/2018 15:53	1	N1649.D	ZB-624 (20) 0.18 (mm)
IC 480-425324/9		07/19/2018 16:20	1	N1650.D	ZB-624 (20) 0.18 (mm)
IC 480-425324/10		07/19/2018 16:47	1	N1651.D	ZB-624 (20) 0.18 (mm)
IC 480-425324/11		07/19/2018 17:14	1	N1652.D	ZB-624 (20) 0.18 (mm)
ICIS 480-425324/12		07/19/2018 17:42	1	N1653.D	ZB-624 (20) 0.18 (mm)
IC 480-425324/13		07/19/2018 18:08	1	N1654.D	ZB-624 (20) 0.18 (mm)
IC 480-425324/14		07/19/2018 18:36	1	N1655.D	ZB-624 (20) 0.18 (mm)
MDLV 480-425324/16		07/19/2018 19:30	1		ZB-624 (20) 0.18 (mm)
IC 480-425324/19		07/19/2018 20:52	1		ZB-624 (20) 0.18 (mm)
IC 480-425324/20		07/19/2018 21:19	1		ZB-624 (20) 0.18 (mm)
IC 480-425324/21		07/19/2018 21:46	1		ZB-624 (20) 0.18 (mm)
IC 480-425324/22		07/19/2018 22:13	1		ZB-624 (20) 0.18 (mm)
IC 480-425324/23		07/19/2018 22:41	1		ZB-624 (20) 0.18 (mm)
IC 480-425324/24		07/19/2018 23:08	1		ZB-624 (20) 0.18 (mm)
IC 480-425324/25		07/19/2018 23:35	1		ZB-624 (20) 0.18 (mm)
MDLV 480-425324/27		07/20/2018 00:29	1		ZB-624 (20) 0.18 (mm)
ICV 480-425324/28		07/20/2018 00:57	1		ZB-624 (20) 0.18 (mm)
ICV 480-425324/29		07/20/2018 01:24	1		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-138781-1

SDG No.: _____

Instrument ID: HP5973NStart Date: 07/21/2018 21:33Analysis Batch Number: 425702End Date: 07/22/2018 10:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-425702/2		07/21/2018 21:33	1	N1701.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-425702/5		07/21/2018 22:00	1	N1702.D	ZB-624 (20) 0.18 (mm)
CCV 480-425702/6		07/21/2018 22:37	1		ZB-624 (20) 0.18 (mm)
LCS 480-425702/26		07/21/2018 23:13	1	N1704.D	ZB-624 (20) 0.18 (mm)
RL 480-425702/8		07/21/2018 23:40	1		ZB-624 (20) 0.18 (mm)
MB 480-425702/27		07/22/2018 00:07	1	N1706.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 00:37	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 01:04	20000		ZB-624 (20) 0.18 (mm)
480-138931-1		07/22/2018 01:31	1	N1709.D	ZB-624 (20) 0.18 (mm)
480-138931-2		07/22/2018 01:58	1	N1710.D	ZB-624 (20) 0.18 (mm)
480-138931-3		07/22/2018 02:25	5	N1711.D	ZB-624 (20) 0.18 (mm)
480-138931-4		07/22/2018 02:52	1	N1712.D	ZB-624 (20) 0.18 (mm)
480-138931-5		07/22/2018 03:20	1	N1713.D	ZB-624 (20) 0.18 (mm)
480-138931-6		07/22/2018 03:47	40	N1714.D	ZB-624 (20) 0.18 (mm)
480-138931-7		07/22/2018 04:14	5	N1715.D	ZB-624 (20) 0.18 (mm)
480-138931-8		07/22/2018 04:42	1000	N1716.D	ZB-624 (20) 0.18 (mm)
480-138931-9		07/22/2018 05:09	1	N1717.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 05:36	20		ZB-624 (20) 0.18 (mm)
480-138931-11		07/22/2018 06:03	1	N1719.D	ZB-624 (20) 0.18 (mm)
480-138931-12		07/22/2018 06:30	1	N1720.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 06:57	10		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 07:25	10		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 07:52	10		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 08:20	10		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 08:47	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 09:14	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 09:41	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 10:08	5		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 10:35	5		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-138781-1

SDG No.: _____

Instrument ID: HP5973SStart Date: 06/20/2018 12:54Analysis Batch Number: 420621End Date: 06/20/2018 22:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-420621/3		06/20/2018 12:54	1	S2504.D	ZB-624 (20) 0.18 (mm)
IC 480-420621/5		06/20/2018 13:51	1	S2506.D	ZB-624 (20) 0.18 (mm)
IC 480-420621/6		06/20/2018 14:14	1	S2507.D	ZB-624 (20) 0.18 (mm)
IC 480-420621/7		06/20/2018 14:38	1	S2508.D	ZB-624 (20) 0.18 (mm)
IC 480-420621/8		06/20/2018 15:01	1	S2509.D	ZB-624 (20) 0.18 (mm)
IC 480-420621/9		06/20/2018 15:24	1	S2510.D	ZB-624 (20) 0.18 (mm)
ICIS 480-420621/10		06/20/2018 15:48	1	S2511.D	ZB-624 (20) 0.18 (mm)
IC 480-420621/11		06/20/2018 16:11	1	S2512.D	ZB-624 (20) 0.18 (mm)
IC 480-420621/12		06/20/2018 16:34	1	S2513.D	ZB-624 (20) 0.18 (mm)
MDLV 480-420621/14		06/20/2018 17:21	1		ZB-624 (20) 0.18 (mm)
MDLV 480-420621/15		06/20/2018 17:44	1		ZB-624 (20) 0.18 (mm)
IC 480-420621/17		06/20/2018 18:31	1		ZB-624 (20) 0.18 (mm)
IC 480-420621/18		06/20/2018 18:54	1		ZB-624 (20) 0.18 (mm)
IC 480-420621/19		06/20/2018 19:17	1		ZB-624 (20) 0.18 (mm)
IC 480-420621/20		06/20/2018 19:41	1		ZB-624 (20) 0.18 (mm)
IC 480-420621/21		06/20/2018 20:04	1		ZB-624 (20) 0.18 (mm)
IC 480-420621/22		06/20/2018 20:27	1		ZB-624 (20) 0.18 (mm)
IC 480-420621/23		06/20/2018 20:51	1		ZB-624 (20) 0.18 (mm)
MDLV 480-420621/25		06/20/2018 21:37	1		ZB-624 (20) 0.18 (mm)
ICV 480-420621/26		06/20/2018 22:01	1		ZB-624 (20) 0.18 (mm)
ICV 480-420621/27		06/20/2018 22:24	1		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-138781-1

SDG No.: _____

Instrument ID: HP5973SStart Date: 07/18/2018 08:19Analysis Batch Number: 424950End Date: 07/18/2018 18:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-424950/2		07/18/2018 08:19	1	S3640.D	ZB-624 (20) 0.18 (mm)
CCV 480-424950/4		07/18/2018 09:09	1		ZB-624 (20) 0.18 (mm)
CCVIS 480-424950/15		07/18/2018 09:32	1	S3643.D	ZB-624 (20) 0.18 (mm)
LCS 480-424950/5		07/18/2018 10:05	1	S3644.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 10:28	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 10:52	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 11:25	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 11:48	1		ZB-624 (20) 0.18 (mm)
MB 480-424950/9		07/18/2018 12:35	1	S3650.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 12:58	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 13:21	1		ZB-624 (20) 0.18 (mm)
480-138781-9 DL		07/18/2018 13:44	50	S3653.D	ZB-624 (20) 0.18 (mm)
480-138781-10		07/18/2018 14:08	50	S3654.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 14:31	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 14:54	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 15:17	100		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 15:41	100		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 16:04	40		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 16:27	80		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 16:51	80		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 17:14	40		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 17:37	80		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 18:00	40		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 18:23	40		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-138781-1

SDG No.: _____

Instrument ID: HP5973SStart Date: 07/18/2018 18:48Analysis Batch Number: 425155End Date: 07/19/2018 05:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-425155/2		07/18/2018 18:48	1	S3666.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-425155/3		07/18/2018 19:14	1	S3667.D	ZB-624 (20) 0.18 (mm)
CCV 480-425155/4		07/18/2018 19:37	1		ZB-624 (20) 0.18 (mm)
LCS 480-425155/5		07/18/2018 20:11	1	S3669.D	ZB-624 (20) 0.18 (mm)
RL 480-425155/6		07/18/2018 20:34	1		ZB-624 (20) 0.18 (mm)
MB 480-425155/7		07/18/2018 20:57	1	S3671.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 22:03	2000		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 22:26	2000		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 22:50	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 23:13	5		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 23:36	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/18/2018 23:59	40		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/19/2018 00:23	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/19/2018 00:46	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/19/2018 01:09	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/19/2018 01:32	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/19/2018 01:55	4000		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/19/2018 02:19	1		ZB-624 (20) 0.18 (mm)
480-138781-2		07/19/2018 02:42	1	S3684.D	ZB-624 (20) 0.18 (mm)
480-138781-4		07/19/2018 03:05	1	S3685.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/19/2018 03:28	10		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/19/2018 03:52	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/19/2018 04:15	500		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/19/2018 04:38	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/19/2018 05:01	5		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/19/2018 05:25	5		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-138781-1

SDG No.: _____

Instrument ID: HP5973SStart Date: 07/19/2018 16:14Analysis Batch Number: 425337End Date: 07/20/2018 01:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-425337/4		07/19/2018 16:14	1	S3705.D	ZB-624 (20) 0.18 (mm)
IC 480-425337/6		07/19/2018 17:02	1	S3707.D	ZB-624 (20) 0.18 (mm)
IC 480-425337/7		07/19/2018 17:25	1	S3708.D	ZB-624 (20) 0.18 (mm)
IC 480-425337/8		07/19/2018 17:49	1	S3709.D	ZB-624 (20) 0.18 (mm)
IC 480-425337/9		07/19/2018 18:12	1	S3710.D	ZB-624 (20) 0.18 (mm)
IC 480-425337/10		07/19/2018 18:35	1	S3711.D	ZB-624 (20) 0.18 (mm)
ICIS 480-425337/11		07/19/2018 18:58	1	S3712.D	ZB-624 (20) 0.18 (mm)
IC 480-425337/12		07/19/2018 19:22	1	S3713.D	ZB-624 (20) 0.18 (mm)
IC 480-425337/13		07/19/2018 19:45	1	S3714.D	ZB-624 (20) 0.18 (mm)
MDLV 480-425337/15		07/19/2018 20:31	1		ZB-624 (20) 0.18 (mm)
IC 480-425337/18		07/19/2018 21:41	1		ZB-624 (20) 0.18 (mm)
IC 480-425337/19		07/19/2018 22:04	1		ZB-624 (20) 0.18 (mm)
IC 480-425337/20		07/19/2018 22:27	1		ZB-624 (20) 0.18 (mm)
IC 480-425337/21		07/19/2018 22:51	1		ZB-624 (20) 0.18 (mm)
IC 480-425337/22		07/19/2018 23:14	1		ZB-624 (20) 0.18 (mm)
IC 480-425337/23		07/19/2018 23:37	1		ZB-624 (20) 0.18 (mm)
IC 480-425337/24		07/20/2018 00:00	1		ZB-624 (20) 0.18 (mm)
MDLV 480-425337/26		07/20/2018 00:47	1		ZB-624 (20) 0.18 (mm)
ICV 480-425337/27		07/20/2018 01:10	1		ZB-624 (20) 0.18 (mm)
ICV 480-425337/28		07/20/2018 01:34	1		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-138781-1

SDG No.: _____

Instrument ID: HP5973SStart Date: 07/22/2018 08:16Analysis Batch Number: 425707End Date: 07/22/2018 21:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-425707/2		07/22/2018 08:16	1	S3758.D	ZB-624 (20) 0.18 (mm)
CCV 480-425707/4		07/22/2018 09:06	1		ZB-624 (20) 0.18 (mm)
CCVIS 480-425707/9		07/22/2018 09:29	1	S3761.D	ZB-624 (20) 0.18 (mm)
LCS 480-425707/5		07/22/2018 10:01	1	S3762.D	ZB-624 (20) 0.18 (mm)
RL 480-425707/6		07/22/2018 10:25	1		ZB-624 (20) 0.18 (mm)
MB 480-425707/7		07/22/2018 10:48	1	S3764.D	ZB-624 (20) 0.18 (mm)
480-138931-9 DL		07/22/2018 11:23	10	S3765.D	ZB-624 (20) 0.18 (mm)
480-138931-10		07/22/2018 11:46	10	S3766.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 12:10	5		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 12:33	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 12:56	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 13:19	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 13:42	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 14:06	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 14:29	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 14:52	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 15:15	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 15:39	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 16:02	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 16:25	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 16:48	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 17:11	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 17:35	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 17:58	200		ZB-624 (20) 0.18 (mm)
480-138931-10 MS		07/22/2018 18:21	10	S3783.D	ZB-624 (20) 0.18 (mm)
480-138931-10 MSD		07/22/2018 18:45	10	S3784.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 19:31	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 19:54	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 20:18	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 20:41	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 21:04	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		07/22/2018 21:27	1		ZB-624 (20) 0.18 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Batch Number: 424504 Batch Start Date: 07/15/18 08:38 Batch Analyst: Moffat, Alyssa MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00128	BFB_WRK 00072	GAS CORP mix 00290
BFB 480-424504/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-424504/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-424504/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-424504/7		8260C		5 mL	5 mL				
480-138781-A-1	Rinse Blank	8260C	T	5 mL	5 mL	<2 SU			
480-138781-A-3	DPE-8	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	N 8260 IS 00116	N_8260_Surr 00330	AnalysisComment			
BFB 480-424504/2		8260C							
CCVIS 480-424504/3		8260C		1 uL	1 uL				
LCS 480-424504/5		8260C		1 uL	1 uL				
MB 480-424504/7		8260C		1 uL	1 uL				
480-138781-A-1	Rinse Blank	8260C	T	1 uL	1 uL				
480-138781-A-3	DPE-8	8260C	T	1 uL	1 uL	Targets			

Batch Notes	

Basis	Basis Description
T	Total/NA

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Batch Number: 424528 Batch Start Date: 07/16/18 07:59 Batch Analyst: Milligan, Amanda EBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00128	BFB_WRK 00072	GAS CORP mix 00291
BFB 480-424528/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-424528/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-424528/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-424528/7		8260C		5 mL	5 mL				
480-138781-B-7	DPE-2	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	N 8260 IS 00120	N_8260_Surr 00336				
BFB 480-424528/2		8260C							
CCVIS 480-424528/3		8260C		1 uL	1 uL				
LCS 480-424528/5		8260C		1 uL	1 uL				
MB 480-424528/7		8260C		1 uL	1 uL				
480-138781-B-7	DPE-2	8260C	T	1 uL	1 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

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

8260C

Page 1 of 1

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Batch Number: 424720 Batch Start Date: 07/16/18 20:00 Batch Analyst: Moffat, Alyssa MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00128	BFB_WRK 00072	GAS CORP mix 00291
BFB 480-424720/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-424720/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-424720/8		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-424720/9		8260C		5 mL	5 mL				
480-138781-A-5	Trip-0712-18	8260C	T	5 mL	5 mL	<2 SU			
480-138781-B-6	DPE-1	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	N 8260 IS 00120	N_8260_Surr 00336	AnalysisComment			
BFB 480-424720/2		8260C							
CCVIS 480-424720/3		8260C		1 uL	1 uL				
LCS 480-424720/8		8260C		1 uL	1 uL				
MB 480-424720/9		8260C		1 uL	1 uL				
480-138781-A-5	Trip-0712-18	8260C	T	1 uL	1 uL				
480-138781-B-6	DPE-1	8260C	T	1 uL	1 uL	Foam			

Batch Notes	

Basis	Basis Description
T	Total/NA

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

8260C

Page 1 of 1

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Batch Number: 424746 Batch Start Date: 07/17/18 08:32 Batch Analyst: Moffat, Alyssa MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00128	BFB_WRK 00072	GAS CORP mix 00291
BFB 480-424746/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-424746/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-424746/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-424746/7		8260C		5 mL	5 mL				
480-138781-A-8	DPE-3	8260C	T	5 mL	5 mL	<2 SU			
480-138781-A-9	DPE-4	8260C	T	5 mL	5 mL	<2 SU			
480-138781-A-11	DPE-7	8260C	T	5 mL	5 mL	<2 SU			
480-138781-A-12	MW-11	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	N 8260 IS 00120	N_8260_Surr 00336	AnalysisComment			
BFB 480-424746/2		8260C							
CCVIS 480-424746/3		8260C		1 uL	1 uL				
LCS 480-424746/5		8260C		1 uL	1 uL				
MB 480-424746/7		8260C		1 uL	1 uL				
480-138781-A-8	DPE-3	8260C	T	1 uL	1 uL	Targets			
480-138781-A-9	DPE-4	8260C	T	1 uL	1 uL	RADL			
480-138781-A-11	DPE-7	8260C	T	1 uL	1 uL	Targets			
480-138781-A-12	MW-11	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.: 480-138781-1

SDG No.: _____

Batch Number: 424950 Batch Start Date: 07/18/18 08:19 Batch Analyst: Carroll, Nicole MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00128	BFB_WRK 00072	GAS CORP mix 00291
BFB 480-424950/2		8260C		1 uL	1 uL			1 uL	
LCS 480-424950/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-424950/9		8260C		5 mL	5 mL				
CCVIS 480-424950/15		8260C		5 mL	5 mL		12.5 uL		12.5 uL
480-138781-B-9	DPE-4	8260C	T	5 mL	5 mL	<2 SU			
480-138781-B-10	DPE-5	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_IS 00294	S_8260_Surr 00276	AnalysisComment			
BFB 480-424950/2		8260C							
LCS 480-424950/5		8260C		1 uL	1 uL				
MB 480-424950/9		8260C		1 uL	1 uL				
CCVIS 480-424950/15		8260C		1 uL	1 uL				
480-138781-B-9	DPE-4	8260C	T	1 uL	1 uL	Targets			
480-138781-B-10	DPE-5	8260C	T	1 uL	1 uL	Targets			

Batch Notes	

Basis	Basis Description
T	Total/NA

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

8260C

Page 1 of 1

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Batch Number: 425155 Batch Start Date: 07/18/18 18:48 Batch Analyst: Hill, Leah CBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00128	BFB_WRK 00072	GAS CORP mix 00291
BFB 480-425155/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-425155/3		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-425155/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-425155/7		8260C		5 mL	5 mL				
480-138781-C-2	DPE-6	8260C	T	5 mL	5 mL	<2 SU			
480-138781-C-4	GWCT	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_IS 00294	S_8260_Surr 00276				
BFB 480-425155/2		8260C							
CCVIS 480-425155/3		8260C		1 uL	1 uL				
LCS 480-425155/5		8260C		1 uL	1 uL				
MB 480-425155/7		8260C		1 uL	1 uL				
480-138781-C-2	DPE-6	8260C	T	1 uL	1 uL				
480-138781-C-4	GWCT	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.: 480-138781-1

SDG No.: _____

Batch Number: 425702 Batch Start Date: 07/21/18 21:33 Batch Analyst: Moffat, Alyssa MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00128	BFB_WRK 00072	GAS CORP mix 00291
BFB 480-425702/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-425702/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-425702/26		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-425702/27		8260C		5 mL	5 mL				
480-138931-A-1	MW-2	8260C	T	5 mL	5 mL	<2 SU			
480-138931-A-2	MW-3	8260C	T	5 mL	5 mL	<2 SU			
480-138931-A-3	MW-4	8260C	T	5 mL	5 mL	<2 SU			
480-138931-A-4	Trip Blank - 071318	8260C	T	5 mL	5 mL	<2 SU			
480-138931-A-5	MW-10	8260C	T	5 mL	5 mL	<2 SU			
480-138931-A-6	MW-13S	8260C	T	5 mL	5 mL	<2 SU			
480-138931-A-7	MW-12	8260C	T	5 mL	5 mL	<2 SU			
480-138931-A-8	MW-16S	8260C	T	5 mL	5 mL	<2 SU			
480-138931-A-9	Duplicate	8260C	T	5 mL	5 mL	<2 SU			
480-138931-A-11	MW-16D	8260C	T	5 mL	5 mL	<2 SU			
480-138931-A-12	MW-13D	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	N 8260 IS 00120	N_8260_Surr 00336				
BFB 480-425702/2		8260C							
CCVIS 480-425702/5		8260C		1 uL	1 uL				
LCS 480-425702/26		8260C		1 uL	1 uL				
MB 480-425702/27		8260C		1 uL	1 uL				
480-138931-A-1	MW-2	8260C	T	1 uL	1 uL				
480-138931-A-2	MW-3	8260C	T	1 uL	1 uL				
480-138931-A-3	MW-4	8260C	T	1 uL	1 uL				
480-138931-A-4	Trip Blank - 071318	8260C	T	1 uL	1 uL				

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

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-138781-1

SDG No.: _____

Batch Number: 425702 Batch Start Date: 07/21/18 21:33 Batch Analyst: Moffat, Alyssa MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	N 8260 IS 00120	N_8260_Surr 00336				
480-138931-A-5	MW-10	8260C	T	1 uL	1 uL				
480-138931-A-6	MW-13S	8260C	T	1 uL	1 uL				
480-138931-A-7	MW-12	8260C	T	1 uL	1 uL				
480-138931-A-8	MW-16S	8260C	T	1 uL	1 uL				
480-138931-A-9	Duplicate	8260C	T	1 uL	1 uL				
480-138931-A-11	MW-16D	8260C	T	1 uL	1 uL				
480-138931-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.: 480-138781-1

SDG No.: _____

Batch Number: 425707 Batch Start Date: 07/22/18 08:16 Batch Analyst: Velickovic, Snezana 1Batch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00128	BFB_WRK 00072	GAS CORP mix 00291
BFB 480-425707/2		8260C		1 uL	1 uL			1 uL	
LCS 480-425707/5		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-425707/7		8260C		5 mL	5 mL				
CCVIS 480-425707/9		8260C		5 mL	5 mL		12.5 uL		12.5 uL
480-138931-B-9	Duplicate	8260C	T	5 mL	5 mL	<2 SU			
480-138931-B-10	MW-8R	8260C	T	5 mL	5 mL	<2 SU			
480-138931-B-10 MS	MW-8R	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-138931-B-10 MSD	MW-8R	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	S_8260_IS 00294	S_8260_Surr 00276	AnalysisComment			
BFB 480-425707/2		8260C							
LCS 480-425707/5		8260C		1 uL	1 uL				
MB 480-425707/7		8260C		1 uL	1 uL				
CCVIS 480-425707/9		8260C		1 uL	1 uL				
480-138931-B-9	Duplicate	8260C	T	1 uL	1 uL	Target			
480-138931-B-10	MW-8R	8260C	T	1 uL	1 uL				
480-138931-B-10 MS	MW-8R	8260C	T	1 uL	1 uL				
480-138931-B-10 MSD	MW-8R	8260C	T	1 uL	1 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

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

8260C

Page 1 of 1

Shipping and Receiving Documents

Chain of Custody Record

Client Information Client Contact: Mr. Dingo Zack Company: AECOM Address: 257 West Genesee Street Suite 400 City: Buffalo State, Zip: NY, 14202-2857 Phone: Email: dingo.zack@aecom.com Project Name: Scott Aviation site Site: New York		Sampler: Emily Au Phone: 716-531-3312 Lab PIA: Fischer, Brian J E-Mail: brian.fischer@testamericainc.com		Carrier Tracking No(s): 480-114729-3450.2 Page: 1 of 2 Job #: 102	
Analysis Requested Due Date Requested: TAT Requested (days): PO #: Purchase Order not requir WO #: Project #: 48002539 SSOWE		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Ascorbic Acid H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: 480-138781 COC W - pH 4.5 Z - other (specify)			
Sample Identification SAMPLES - RINSE SAMPLES - DPE-6 SAMPLES - DPE-8 GWCT Trip - 0712-18 DPE-1 DPE-2 DPE-3 DPE-4 DPE-5 DPE-7		Sample Date 7-12-18 7-12-18 7-12-18 7-12-18 7-12-18 7-12-18 7-12-18 7-12-18 7-12-18 7-12-18		Sample Time 1340 1310 1255 1155 - 1215 1240 1245 1230 1225 1250	
Matrix (W-water, G-grab, O-Other, S-Solid, L-Liquid, A-Air) Water Water Water Water Water Water Water Water Water Water		Preservation Code: G G G G G G G G G G		Field Filtered Sample (Yes or No) X X X X X X X X X X	
Perform MS/MS (Yes or No) X X X X X X X X X X		8280C - TCL list OL1004.2 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 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:		Method of Shipment: Received by: [Signature] Date/Time: 7/12/18 1615 Received by: [Signature] Date/Time: 7/12/18 1615 Received by: [Signature] Date/Time: 7/12/18 1615 Cooler Temperature(s) °C and Other Remarks: 3.9 #1			

Chain of Custody Record

Client Information Client Contact: Mr. Dino Zack Company: AEOM Address: 257 West Genesee Street Suite 400 City: Buffalo State, Zip: NY, 14202-2657 Phone: _____ Email: dino.zack@aeom.com Project Name: Scott Aviation site Site: New York		Sampler: Emily A. Phone: (716) 531-3312 Lab Pmt: Fischer, Brian J E-Mail: brian.fischer@testamerica.com Carrier Tracking No(s): 480-114728-3450.3 Page: _____ Page: _____ Job #: 114728	
Analysis Requested Due Date Requested: _____ TAT Requested (days): STANDARD PO #: _____ Purchase Order not requir WO #: _____ Project #: 48002539 SSO#: _____		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Ascorbic Acid H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: _____ M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Sample Identification Sample ID: MW-11 Sample Date: 7-12-18 Sample Time: 1445 Sample Type: G-grab Matrix: (specify: _____) Preservation Code: UN 3 Water		Perform Method (Yes or No) _____ Field Filtered Sample (Yes or No) _____ 8290C - TCL Ext OLMO4.1 Total Number of containers: _____ Special Instructions/Notes: _____	
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify) per contract.			
Empty Kit Relinquished by Relinquished by: [Signature] Date: 7-12-18 Time: 1615 Relinquished by: _____ Date/Time: _____ Relinquished by: _____ Date/Time: _____			
Custody Seal No.: Custody Seal Intact: ☒ Yes ☐ No Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: _____			

Chain of Custody Record

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:[illegible]

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-138781-1

Login Number: 138781

List Source: TestAmerica Buffalo

List Number: 1

Creator: Harper, Marcus D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-138781-1

Login Number: 138931

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kinecki, Kenneth P

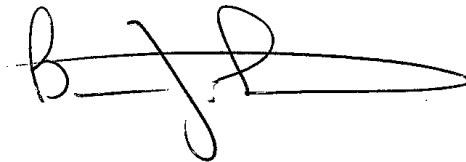
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature 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.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Job Number: 200-44316-1

Job Description: Scott Figgie West of Plant 2

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



Approved for release.
Brian J Fischer
Manager of Project Management
7/24/2018 4:26 PM

Brian J Fischer, Manager of Project Management
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9835
brian.fischer@testamericainc.com
07/24/2018

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TestAmerica Laboratories, Inc.

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Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Sample Summary	5
Detection Summary	6
Method Summary	7
Client Sample Results	8
QC Sample Results	14
Definitions	20
QC Association	21
Chronicle	22
Certification Summary	23
Organic Sample Data	24
Air - GC/MS VOA	24
Method TO15	24
Method TO15 QC Summary	25
Method TO15 Sample Data	32
Standards Data	78
Method TO15 ICAL Data	78
Method TO15 CCAL Data	123
Raw QC Data	137
Method TO15 Tune Data	137
Method TO15 Blank Data	143
Method TO15 LCS/LCSD Data	159
Method TO15 Run Logs	165
Method TO15 Prep Data	167

Table of Contents

Pre-shipment Certification	171
LCS Data	172
Blank Data	174
Tune Data	183
IS/RT Data	185
Clean Canister Data	187
ICAL Data	195
ICV/CCV Data	205
Run Logs	211
Shipping and Receiving Documents	213
Client Chain of Custody	214
Sample Receipt Checklist	216

Job Narrative
200-44316-1

Comments

No additional comments.

Receipt

The samples were received on 7/13/2018 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

Air Toxics

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

Sample Summary

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-44316-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-44316-1	AS-3Q18	Air	07/12/18 08:06	07/13/18 10:30
200-44316-2	LRP-3Q18	Air	07/12/18 08:11	07/13/18 10:30

Detection Summary

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

TestAmerica Job ID: 200-44316-1

Client Sample ID: AS-3Q18

Lab Sample ID: 200-44316-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
1,3-Dichlorobenzene	2.3		2.0	2.0	ppb v/v	10			TO-15	Total/NA
Chloroethane	22		5.0	5.0	ppb v/v	10			TO-15	Total/NA
Toluene	2.5		2.0	2.0	ppb v/v	10			TO-15	Total/NA
Trichlorofluoromethane	2.0		2.0	2.0	ppb v/v	10			TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
1,3-Dichlorobenzene	14		12	12	ug/m3	10			TO-15	Total/NA
Chloroethane	57		13	13	ug/m3	10			TO-15	Total/NA
Toluene	9.5		7.5	7.5	ug/m3	10			TO-15	Total/NA
Trichlorofluoromethane	11		11	11	ug/m3	10			TO-15	Total/NA

Client Sample ID: LRP-3Q18

Lab Sample ID: 200-44316-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	150		4.0	4.0	ppb v/v	10			TO-15	Total/NA
cis-1,2-Dichloroethene	150		2.0	2.0	ppb v/v	10			TO-15	Total/NA
Vinyl chloride	94		2.0	2.0	ppb v/v	10			TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	590		16	16	ug/m3	10			TO-15	Total/NA
cis-1,2-Dichloroethene	600		7.9	7.9	ug/m3	10			TO-15	Total/NA
Vinyl chloride	240		5.1	5.1	ug/m3	10			TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Burlington

Method Summary

Client: AECOM

Project/Site: Scott Figgie West of Plant 2

TestAmerica Job ID: 200-44316-1

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

Client Sample Results

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

TestAmerica Job ID: 200-44316-1

Client Sample ID: AS-3Q18

Date Collected: 07/12/18 08:06

Date Received: 07/13/18 10:30

Sample Container: Summa Canister 6L

Lab Sample ID: 200-44316-1

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	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
1,1,2-Trichloroethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
1,1-Dichloroethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
1,1-Dichloroethene	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	ppb v/v			07/16/18 13:24	10
1,2,4-Trimethylbenzene	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
1,2-Dibromoethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
1,2-Dichlorobenzene	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
1,2-Dichloroethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
1,2-Dichloroethene, Total	4.0	U	4.0	4.0	ppb v/v			07/16/18 13:24	10
1,2-Dichloropropane	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
1,2-Dichlorotetrafluoroethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
1,3,5-Trimethylbenzene	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
1,3-Butadiene	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
1,3-Dichlorobenzene	2.3		2.0	2.0	ppb v/v			07/16/18 13:24	10
1,4-Dichlorobenzene	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
1,4-Dioxane	50	U	50	50	ppb v/v			07/16/18 13:24	10
2,2,4-Trimethylpentane	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
2-Chlorotoluene	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
3-Chloropropene	5.0	U	5.0	5.0	ppb v/v			07/16/18 13:24	10
4-Ethyltoluene	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
Acetone	50	U	50	50	ppb v/v			07/16/18 13:24	10
Benzene	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
Bromodichloromethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
Bromoethene(Vinyl Bromide)	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
Bromoform	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
Bromomethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
Carbon disulfide	5.0	U	5.0	5.0	ppb v/v			07/16/18 13:24	10
Carbon tetrachloride	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
Chlorobenzene	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
Chloroethane	22		5.0	5.0	ppb v/v			07/16/18 13:24	10
Chloroform	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
Chloromethane	5.0	U	5.0	5.0	ppb v/v			07/16/18 13:24	10
cis-1,2-Dichloroethene	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
cis-1,3-Dichloropropene	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
Cyclohexane	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
Dibromochloromethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
Dichlorodifluoromethane	5.0	U	5.0	5.0	ppb v/v			07/16/18 13:24	10
Ethylbenzene	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
Freon TF	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
Hexachlorobutadiene	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10
Isopropyl alcohol	50	U	50	50	ppb v/v			07/16/18 13:24	10
m,p-Xylene	5.0	U	5.0	5.0	ppb v/v			07/16/18 13:24	10
Methyl Butyl Ketone (2-Hexanone)	5.0	U	5.0	5.0	ppb v/v			07/16/18 13:24	10
Methyl Ethyl Ketone	5.0	U	5.0	5.0	ppb v/v			07/16/18 13:24	10
methyl isobutyl ketone	5.0	U	5.0	5.0	ppb v/v			07/16/18 13:24	10
Methyl tert-butyl ether	2.0	U	2.0	2.0	ppb v/v			07/16/18 13:24	10

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-44316-1

Client Sample ID: AS-3Q18

Date Collected: 07/12/18 08:06

Date Received: 07/13/18 10:30

Sample Container: Summa Canister 6L

Lab Sample ID: 200-44316-1

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	5.0	U	5.0	5.0 ppb v/v			07/16/18 13:24	10
n-Heptane	2.0	U	2.0	2.0 ppb v/v			07/16/18 13:24	10
n-Hexane	2.0	U	2.0	2.0 ppb v/v			07/16/18 13:24	10
Styrene	2.0	U	2.0	2.0 ppb v/v			07/16/18 13:24	10
tert-Butyl alcohol	50	U	50	50 ppb v/v			07/16/18 13:24	10
Tetrachloroethene	2.0	U	2.0	2.0 ppb v/v			07/16/18 13:24	10
Tetrahydrofuran	50	U	50	50 ppb v/v			07/16/18 13:24	10
Toluene	2.5		2.0	2.0 ppb v/v			07/16/18 13:24	10
trans-1,2-Dichloroethene	2.0	U	2.0	2.0 ppb v/v			07/16/18 13:24	10
trans-1,3-Dichloropropene	2.0	U	2.0	2.0 ppb v/v			07/16/18 13:24	10
Trichloroethene	2.0	U	2.0	2.0 ppb v/v			07/16/18 13:24	10
Trichlorofluoromethane	2.0		2.0	2.0 ppb v/v			07/16/18 13:24	10
Vinyl chloride	2.0	U	2.0	2.0 ppb v/v			07/16/18 13:24	10
Xylene (total)	7.0	U	7.0	7.0 ppb v/v			07/16/18 13:24	10
Xylene, o-	2.0	U	2.0	2.0 ppb v/v			07/16/18 13:24	10

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	11	U	11	11 ug/m3			07/16/18 13:24	10
1,1,2,2-Tetrachloroethane	14	U	14	14 ug/m3			07/16/18 13:24	10
1,1,2-Trichloroethane	11	U	11	11 ug/m3			07/16/18 13:24	10
1,1-Dichloroethane	8.1	U	8.1	8.1 ug/m3			07/16/18 13:24	10
1,1-Dichloroethene	7.9	U	7.9	7.9 ug/m3			07/16/18 13:24	10
1,2,4-Trichlorobenzene	37	U	37	37 ug/m3			07/16/18 13:24	10
1,2,4-Trimethylbenzene	9.8	U	9.8	9.8 ug/m3			07/16/18 13:24	10
1,2-Dibromoethane	15	U	15	15 ug/m3			07/16/18 13:24	10
1,2-Dichlorobenzene	12	U	12	12 ug/m3			07/16/18 13:24	10
1,2-Dichloroethane	8.1	U	8.1	8.1 ug/m3			07/16/18 13:24	10
1,2-Dichloroethene, Total	16	U	16	16 ug/m3			07/16/18 13:24	10
1,2-Dichloropropane	9.2	U	9.2	9.2 ug/m3			07/16/18 13:24	10
1,2-Dichlorotetrafluoroethane	14	U	14	14 ug/m3			07/16/18 13:24	10
1,3,5-Trimethylbenzene	9.8	U	9.8	9.8 ug/m3			07/16/18 13:24	10
1,3-Butadiene	4.4	U	4.4	4.4 ug/m3			07/16/18 13:24	10
1,3-Dichlorobenzene	14		12	12 ug/m3			07/16/18 13:24	10
1,4-Dichlorobenzene	12	U	12	12 ug/m3			07/16/18 13:24	10
1,4-Dioxane	180	U	180	180 ug/m3			07/16/18 13:24	10
2,2,4-Trimethylpentane	9.3	U	9.3	9.3 ug/m3			07/16/18 13:24	10
2-Chlorotoluene	10	U	10	10 ug/m3			07/16/18 13:24	10
3-Chloropropene	16	U	16	16 ug/m3			07/16/18 13:24	10
4-Ethyltoluene	9.8	U	9.8	9.8 ug/m3			07/16/18 13:24	10
Acetone	120	U	120	120 ug/m3			07/16/18 13:24	10
Benzene	6.4	U	6.4	6.4 ug/m3			07/16/18 13:24	10
Bromodichloromethane	13	U	13	13 ug/m3			07/16/18 13:24	10
Bromoethene(Vinyl Bromide)	8.7	U	8.7	8.7 ug/m3			07/16/18 13:24	10
Bromoform	21	U	21	21 ug/m3			07/16/18 13:24	10
Bromomethane	7.8	U	7.8	7.8 ug/m3			07/16/18 13:24	10
Carbon disulfide	16	U	16	16 ug/m3			07/16/18 13:24	10
Carbon tetrachloride	13	U	13	13 ug/m3			07/16/18 13:24	10
Chlorobenzene	9.2	U	9.2	9.2 ug/m3			07/16/18 13:24	10
Chloroethane	57		13	13 ug/m3			07/16/18 13:24	10

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-44316-1

Client Sample ID: AS-3Q18

Date Collected: 07/12/18 08:06

Date Received: 07/13/18 10:30

Sample Container: Summa Canister 6L

Lab Sample ID: 200-44316-1

Matrix: Air

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

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	9.8	U	9.8	9.8	ug/m3			07/16/18 13:24	10
Chloromethane	10	U	10	10	ug/m3			07/16/18 13:24	10
cis-1,2-Dichloroethene	7.9	U	7.9	7.9	ug/m3			07/16/18 13:24	10
cis-1,3-Dichloropropene	9.1	U	9.1	9.1	ug/m3			07/16/18 13:24	10
Cyclohexane	6.9	U	6.9	6.9	ug/m3			07/16/18 13:24	10
Dibromochloromethane	17	U	17	17	ug/m3			07/16/18 13:24	10
Dichlorodifluoromethane	25	U	25	25	ug/m3			07/16/18 13:24	10
Ethylbenzene	8.7	U	8.7	8.7	ug/m3			07/16/18 13:24	10
Freon TF	15	U	15	15	ug/m3			07/16/18 13:24	10
Hexachlorobutadiene	21	U	21	21	ug/m3			07/16/18 13:24	10
Isopropyl alcohol	120	U	120	120	ug/m3			07/16/18 13:24	10
m,p-Xylene	22	U	22	22	ug/m3			07/16/18 13:24	10
Methyl Butyl Ketone (2-Hexanone)	20	U	20	20	ug/m3			07/16/18 13:24	10
Methyl Ethyl Ketone	15	U	15	15	ug/m3			07/16/18 13:24	10
methyl isobutyl ketone	20	U	20	20	ug/m3			07/16/18 13:24	10
Methyl tert-butyl ether	7.2	U	7.2	7.2	ug/m3			07/16/18 13:24	10
Methylene Chloride	17	U	17	17	ug/m3			07/16/18 13:24	10
n-Heptane	8.2	U	8.2	8.2	ug/m3			07/16/18 13:24	10
n-Hexane	7.0	U	7.0	7.0	ug/m3			07/16/18 13:24	10
Styrene	8.5	U	8.5	8.5	ug/m3			07/16/18 13:24	10
tert-Butyl alcohol	150	U	150	150	ug/m3			07/16/18 13:24	10
Tetrachloroethene	14	U	14	14	ug/m3			07/16/18 13:24	10
Tetrahydrofuran	150	U	150	150	ug/m3			07/16/18 13:24	10
Toluene	9.5		7.5	7.5	ug/m3			07/16/18 13:24	10
trans-1,2-Dichloroethene	7.9	U	7.9	7.9	ug/m3			07/16/18 13:24	10
trans-1,3-Dichloropropene	9.1	U	9.1	9.1	ug/m3			07/16/18 13:24	10
Trichloroethene	11	U	11	11	ug/m3			07/16/18 13:24	10
Trichlorofluoromethane	11		11	11	ug/m3			07/16/18 13:24	10
Vinyl chloride	5.1	U	5.1	5.1	ug/m3			07/16/18 13:24	10
Xylene (total)	30	U	30	30	ug/m3			07/16/18 13:24	10
Xylene, o-	8.7	U	8.7	8.7	ug/m3			07/16/18 13:24	10

Client Sample ID: LRP-3Q18

Date Collected: 07/12/18 08:11

Date Received: 07/13/18 10:30

Sample Container: Summa Canister 6L

Lab Sample ID: 200-44316-2

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	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
1,1,2-Trichloroethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
1,1-Dichloroethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
1,1-Dichloroethene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
1,2,4-Trichlorobenzene	5.0	U	5.0	5.0	ppb v/v			07/16/18 14:14	10
1,2,4-Trimethylbenzene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
1,2-Dibromoethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
1,2-Dichlorobenzene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
1,2-Dichloroethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-44316-1

Client Sample ID: LRP-3Q18

Lab Sample ID: 200-44316-2

Date Collected: 07/12/18 08:11

Matrix: Air

Date Received: 07/13/18 10:30

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	150		4.0	4.0	ppb v/v			07/16/18 14:14	10
1,2-Dichloropropane	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
1,2-Dichlorotetrafluoroethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
1,3,5-Trimethylbenzene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
1,3-Butadiene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
1,3-Dichlorobenzene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
1,4-Dichlorobenzene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
1,4-Dioxane	50	U	50	50	ppb v/v			07/16/18 14:14	10
2,2,4-Trimethylpentane	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
2-Chlorotoluene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
3-Chloropropene	5.0	U	5.0	5.0	ppb v/v			07/16/18 14:14	10
4-Ethyltoluene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Acetone	50	U	50	50	ppb v/v			07/16/18 14:14	10
Benzene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Bromodichloromethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Bromoethene(Vinyl Bromide)	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Bromoform	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Bromomethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Carbon disulfide	5.0	U	5.0	5.0	ppb v/v			07/16/18 14:14	10
Carbon tetrachloride	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Chlorobenzene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Chloroethane	5.0	U	5.0	5.0	ppb v/v			07/16/18 14:14	10
Chloroform	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Chloromethane	5.0	U	5.0	5.0	ppb v/v			07/16/18 14:14	10
cis-1,2-Dichloroethene	150		2.0	2.0	ppb v/v			07/16/18 14:14	10
cis-1,3-Dichloropropene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Cyclohexane	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Dibromochloromethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Dichlorodifluoromethane	5.0	U	5.0	5.0	ppb v/v			07/16/18 14:14	10
Ethylbenzene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Freon TF	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Hexachlorobutadiene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Isopropyl alcohol	50	U	50	50	ppb v/v			07/16/18 14:14	10
m,p-Xylene	5.0	U	5.0	5.0	ppb v/v			07/16/18 14:14	10
Methyl Butyl Ketone (2-Hexanone)	5.0	U	5.0	5.0	ppb v/v			07/16/18 14:14	10
Methyl Ethyl Ketone	5.0	U	5.0	5.0	ppb v/v			07/16/18 14:14	10
methyl isobutyl ketone	5.0	U	5.0	5.0	ppb v/v			07/16/18 14:14	10
Methyl tert-butyl ether	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Methylene Chloride	5.0	U	5.0	5.0	ppb v/v			07/16/18 14:14	10
n-Heptane	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
n-Hexane	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Styrene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
tert-Butyl alcohol	50	U	50	50	ppb v/v			07/16/18 14:14	10
Tetrachloroethene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Tetrahydrofuran	50	U	50	50	ppb v/v			07/16/18 14:14	10
Toluene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
trans-1,2-Dichloroethene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
trans-1,3-Dichloropropene	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-44316-1

Client Sample ID: LRP-3Q18

Lab Sample ID: 200-44316-2

Date Collected: 07/12/18 08:11

Matrix: Air

Date Received: 07/13/18 10:30

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	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Trichlorofluoromethane	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Vinyl chloride	94		2.0	2.0	ppb v/v			07/16/18 14:14	10
Xylene (total)	7.0	U	7.0	7.0	ppb v/v			07/16/18 14:14	10
Xylene, o-	2.0	U	2.0	2.0	ppb v/v			07/16/18 14:14	10
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	11	U	11	11	ug/m3			07/16/18 14:14	10
1,1,2,2-Tetrachloroethane	14	U	14	14	ug/m3			07/16/18 14:14	10
1,1,2-Trichloroethane	11	U	11	11	ug/m3			07/16/18 14:14	10
1,1-Dichloroethane	8.1	U	8.1	8.1	ug/m3			07/16/18 14:14	10
1,1-Dichloroethene	7.9	U	7.9	7.9	ug/m3			07/16/18 14:14	10
1,2,4-Trichlorobenzene	37	U	37	37	ug/m3			07/16/18 14:14	10
1,2,4-Trimethylbenzene	9.8	U	9.8	9.8	ug/m3			07/16/18 14:14	10
1,2-Dibromoethane	15	U	15	15	ug/m3			07/16/18 14:14	10
1,2-Dichlorobenzene	12	U	12	12	ug/m3			07/16/18 14:14	10
1,2-Dichloroethane	8.1	U	8.1	8.1	ug/m3			07/16/18 14:14	10
1,2-Dichloroethene, Total	590		16	16	ug/m3			07/16/18 14:14	10
1,2-Dichloropropane	9.2	U	9.2	9.2	ug/m3			07/16/18 14:14	10
1,2-Dichlorotetrafluoroethane	14	U	14	14	ug/m3			07/16/18 14:14	10
1,3,5-Trimethylbenzene	9.8	U	9.8	9.8	ug/m3			07/16/18 14:14	10
1,3-Butadiene	4.4	U	4.4	4.4	ug/m3			07/16/18 14:14	10
1,3-Dichlorobenzene	12	U	12	12	ug/m3			07/16/18 14:14	10
1,4-Dichlorobenzene	12	U	12	12	ug/m3			07/16/18 14:14	10
1,4-Dioxane	180	U	180	180	ug/m3			07/16/18 14:14	10
2,2,4-Trimethylpentane	9.3	U	9.3	9.3	ug/m3			07/16/18 14:14	10
2-Chlorotoluene	10	U	10	10	ug/m3			07/16/18 14:14	10
3-Chloropropene	16	U	16	16	ug/m3			07/16/18 14:14	10
4-Ethyltoluene	9.8	U	9.8	9.8	ug/m3			07/16/18 14:14	10
Acetone	120	U	120	120	ug/m3			07/16/18 14:14	10
Benzene	6.4	U	6.4	6.4	ug/m3			07/16/18 14:14	10
Bromodichloromethane	13	U	13	13	ug/m3			07/16/18 14:14	10
Bromoethene(Vinyl Bromide)	8.7	U	8.7	8.7	ug/m3			07/16/18 14:14	10
Bromoform	21	U	21	21	ug/m3			07/16/18 14:14	10
Bromomethane	7.8	U	7.8	7.8	ug/m3			07/16/18 14:14	10
Carbon disulfide	16	U	16	16	ug/m3			07/16/18 14:14	10
Carbon tetrachloride	13	U	13	13	ug/m3			07/16/18 14:14	10
Chlorobenzene	9.2	U	9.2	9.2	ug/m3			07/16/18 14:14	10
Chloroethane	13	U	13	13	ug/m3			07/16/18 14:14	10
Chloroform	9.8	U	9.8	9.8	ug/m3			07/16/18 14:14	10
Chloromethane	10	U	10	10	ug/m3			07/16/18 14:14	10
cis-1,2-Dichloroethene	600		7.9	7.9	ug/m3			07/16/18 14:14	10
cis-1,3-Dichloropropene	9.1	U	9.1	9.1	ug/m3			07/16/18 14:14	10
Cyclohexane	6.9	U	6.9	6.9	ug/m3			07/16/18 14:14	10
Dibromochloromethane	17	U	17	17	ug/m3			07/16/18 14:14	10
Dichlorodifluoromethane	25	U	25	25	ug/m3			07/16/18 14:14	10
Ethylbenzene	8.7	U	8.7	8.7	ug/m3			07/16/18 14:14	10
Freon TF	15	U	15	15	ug/m3			07/16/18 14:14	10
Hexachlorobutadiene	21	U	21	21	ug/m3			07/16/18 14:14	10

TestAmerica Burlington

Client Sample Results

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

TestAmerica Job ID: 200-44316-1

Client Sample ID: LRP-3Q18

Date Collected: 07/12/18 08:11

Date Received: 07/13/18 10:30

Sample Container: Summa Canister 6L

Lab Sample ID: 200-44316-2

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	120	U	120	120	ug/m3			07/16/18 14:14	10
m,p-Xylene	22	U	22	22	ug/m3			07/16/18 14:14	10
Methyl Butyl Ketone (2-Hexanone)	20	U	20	20	ug/m3			07/16/18 14:14	10
Methyl Ethyl Ketone	15	U	15	15	ug/m3			07/16/18 14:14	10
methyl isobutyl ketone	20	U	20	20	ug/m3			07/16/18 14:14	10
Methyl tert-butyl ether	7.2	U	7.2	7.2	ug/m3			07/16/18 14:14	10
Methylene Chloride	17	U	17	17	ug/m3			07/16/18 14:14	10
n-Heptane	8.2	U	8.2	8.2	ug/m3			07/16/18 14:14	10
n-Hexane	7.0	U	7.0	7.0	ug/m3			07/16/18 14:14	10
Styrene	8.5	U	8.5	8.5	ug/m3			07/16/18 14:14	10
tert-Butyl alcohol	150	U	150	150	ug/m3			07/16/18 14:14	10
Tetrachloroethene	14	U	14	14	ug/m3			07/16/18 14:14	10
Tetrahydrofuran	150	U	150	150	ug/m3			07/16/18 14:14	10
Toluene	7.5	U	7.5	7.5	ug/m3			07/16/18 14:14	10
trans-1,2-Dichloroethene	7.9	U	7.9	7.9	ug/m3			07/16/18 14:14	10
trans-1,3-Dichloropropene	9.1	U	9.1	9.1	ug/m3			07/16/18 14:14	10
Trichloroethene	11	U	11	11	ug/m3			07/16/18 14:14	10
Trichlorofluoromethane	11	U	11	11	ug/m3			07/16/18 14:14	10
Vinyl chloride	240		5.1	5.1	ug/m3			07/16/18 14:14	10
Xylene (total)	30	U	30	30	ug/m3			07/16/18 14:14	10
Xylene, o-	8.7	U	8.7	8.7	ug/m3			07/16/18 14:14	10

QC Sample Results

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

TestAmerica Job ID: 200-44316-1

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

Lab Sample ID: MB 200-131805/4

Matrix: Air

Analysis Batch: 131805

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			07/16/18 12:17	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
1,1,2-Trichloroethane	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
1,1-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
1,1-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50	ppb v/v			07/16/18 12:17	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
1,2-Dibromoethane	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
1,2-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
1,2-Dichloroethane	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.40	ppb v/v			07/16/18 12:17	1
1,2-Dichloropropane	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
1,3-Butadiene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
1,3-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
1,4-Dichlorobenzene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
1,4-Dioxane	5.0	U	5.0	5.0	ppb v/v			07/16/18 12:17	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
2-Chlorotoluene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
3-Chloropropene	0.50	U	0.50	0.50	ppb v/v			07/16/18 12:17	1
4-Ethyltoluene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Acetone	5.0	U	5.0	5.0	ppb v/v			07/16/18 12:17	1
Benzene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Bromodichloromethane	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Bromoform	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Bromomethane	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Carbon disulfide	0.50	U	0.50	0.50	ppb v/v			07/16/18 12:17	1
Carbon tetrachloride	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Chlorobenzene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Chloroethane	0.50	U	0.50	0.50	ppb v/v			07/16/18 12:17	1
Chloroform	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Chloromethane	0.50	U	0.50	0.50	ppb v/v			07/16/18 12:17	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Cyclohexane	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Dibromochloromethane	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Dichlorodifluoromethane	0.50	U	0.50	0.50	ppb v/v			07/16/18 12:17	1
Ethylbenzene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Freon TF	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Hexachlorobutadiene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Isopropyl alcohol	5.0	U	5.0	5.0	ppb v/v			07/16/18 12:17	1
m,p-Xylene	0.50	U	0.50	0.50	ppb v/v			07/16/18 12:17	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50	ppb v/v			07/16/18 12:17	1
Methyl Ethyl Ketone	0.50	U	0.50	0.50	ppb v/v			07/16/18 12:17	1
methyl isobutyl ketone	0.50	U	0.50	0.50	ppb v/v			07/16/18 12:17	1
Methyl tert-butyl ether	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1

TestAmerica Burlington

QC Sample Results

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

TestAmerica Job ID: 200-44316-1

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

Lab Sample ID: MB 200-131805/4

Matrix: Air

Analysis Batch: 131805

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			07/16/18 12:17	1
n-Heptane	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
n-Hexane	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Styrene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
tert-Butyl alcohol	5.0	U	5.0	5.0	ppb v/v			07/16/18 12:17	1
Tetrachloroethene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Tetrahydrofuran	5.0	U	5.0	5.0	ppb v/v			07/16/18 12:17	1
Toluene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Trichloroethene	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Trichlorofluoromethane	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Vinyl chloride	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	1
Xylene (total)	0.70	U	0.70	0.70	ppb v/v			07/16/18 12:17	1
Xylene, o-	0.20	U	0.20	0.20	ppb v/v			07/16/18 12:17	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			07/16/18 12:17	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	1.4	ug/m3			07/16/18 12:17	1
1,1,2-Trichloroethane	1.1	U	1.1	1.1	ug/m3			07/16/18 12:17	1
1,1-Dichloroethane	0.81	U	0.81	0.81	ug/m3			07/16/18 12:17	1
1,1-Dichloroethene	0.79	U	0.79	0.79	ug/m3			07/16/18 12:17	1
1,2,4-Trichlorobenzene	3.7	U	3.7	3.7	ug/m3			07/16/18 12:17	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			07/16/18 12:17	1
1,2-Dibromoethane	1.5	U	1.5	1.5	ug/m3			07/16/18 12:17	1
1,2-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			07/16/18 12:17	1
1,2-Dichloroethane	0.81	U	0.81	0.81	ug/m3			07/16/18 12:17	1
1,2-Dichloroethene, Total	1.6	U	1.6	1.6	ug/m3			07/16/18 12:17	1
1,2-Dichloropropane	0.92	U	0.92	0.92	ug/m3			07/16/18 12:17	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	1.4	ug/m3			07/16/18 12:17	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.98	ug/m3			07/16/18 12:17	1
1,3-Butadiene	0.44	U	0.44	0.44	ug/m3			07/16/18 12:17	1
1,3-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			07/16/18 12:17	1
1,4-Dichlorobenzene	1.2	U	1.2	1.2	ug/m3			07/16/18 12:17	1
1,4-Dioxane	18	U	18	18	ug/m3			07/16/18 12:17	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.93	ug/m3			07/16/18 12:17	1
2-Chlorotoluene	1.0	U	1.0	1.0	ug/m3			07/16/18 12:17	1
3-Chloropropene	1.6	U	1.6	1.6	ug/m3			07/16/18 12:17	1
4-Ethyltoluene	0.98	U	0.98	0.98	ug/m3			07/16/18 12:17	1
Acetone	12	U	12	12	ug/m3			07/16/18 12:17	1
Benzene	0.64	U	0.64	0.64	ug/m3			07/16/18 12:17	1
Bromodichloromethane	1.3	U	1.3	1.3	ug/m3			07/16/18 12:17	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.87	ug/m3			07/16/18 12:17	1
Bromoform	2.1	U	2.1	2.1	ug/m3			07/16/18 12:17	1
Bromomethane	0.78	U	0.78	0.78	ug/m3			07/16/18 12:17	1
Carbon disulfide	1.6	U	1.6	1.6	ug/m3			07/16/18 12:17	1
Carbon tetrachloride	1.3	U	1.3	1.3	ug/m3			07/16/18 12:17	1
Chlorobenzene	0.92	U	0.92	0.92	ug/m3			07/16/18 12:17	1

TestAmerica Burlington

QC Sample Results

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

TestAmerica Job ID: 200-44316-1

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

Lab Sample ID: MB 200-131805/4

Matrix: Air

Analysis Batch: 131805

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			07/16/18 12:17	1
Chloroform	0.98	U	0.98	0.98	ug/m3			07/16/18 12:17	1
Chloromethane	1.0	U	1.0	1.0	ug/m3			07/16/18 12:17	1
cis-1,2-Dichloroethene	0.79	U	0.79	0.79	ug/m3			07/16/18 12:17	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			07/16/18 12:17	1
Cyclohexane	0.69	U	0.69	0.69	ug/m3			07/16/18 12:17	1
Dibromochloromethane	1.7	U	1.7	1.7	ug/m3			07/16/18 12:17	1
Dichlorodifluoromethane	2.5	U	2.5	2.5	ug/m3			07/16/18 12:17	1
Ethylbenzene	0.87	U	0.87	0.87	ug/m3			07/16/18 12:17	1
Freon TF	1.5	U	1.5	1.5	ug/m3			07/16/18 12:17	1
Hexachlorobutadiene	2.1	U	2.1	2.1	ug/m3			07/16/18 12:17	1
Isopropyl alcohol	12	U	12	12	ug/m3			07/16/18 12:17	1
m,p-Xylene	2.2	U	2.2	2.2	ug/m3			07/16/18 12:17	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	2.0	ug/m3			07/16/18 12:17	1
Methyl Ethyl Ketone	1.5	U	1.5	1.5	ug/m3			07/16/18 12:17	1
methyl isobutyl ketone	2.0	U	2.0	2.0	ug/m3			07/16/18 12:17	1
Methyl tert-butyl ether	0.72	U	0.72	0.72	ug/m3			07/16/18 12:17	1
Methylene Chloride	1.7	U	1.7	1.7	ug/m3			07/16/18 12:17	1
n-Heptane	0.82	U	0.82	0.82	ug/m3			07/16/18 12:17	1
n-Hexane	0.70	U	0.70	0.70	ug/m3			07/16/18 12:17	1
Styrene	0.85	U	0.85	0.85	ug/m3			07/16/18 12:17	1
tert-Butyl alcohol	15	U	15	15	ug/m3			07/16/18 12:17	1
Tetrachloroethene	1.4	U	1.4	1.4	ug/m3			07/16/18 12:17	1
Tetrahydrofuran	15	U	15	15	ug/m3			07/16/18 12:17	1
Toluene	0.75	U	0.75	0.75	ug/m3			07/16/18 12:17	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.79	ug/m3			07/16/18 12:17	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.91	ug/m3			07/16/18 12:17	1
Trichloroethene	1.1	U	1.1	1.1	ug/m3			07/16/18 12:17	1
Trichlorofluoromethane	1.1	U	1.1	1.1	ug/m3			07/16/18 12:17	1
Vinyl chloride	0.51	U	0.51	0.51	ug/m3			07/16/18 12:17	1
Xylene (total)	3.0	U	3.0	3.0	ug/m3			07/16/18 12:17	1
Xylene, o-	0.87	U	0.87	0.87	ug/m3			07/16/18 12:17	1

Lab Sample ID: LCS 200-131805/3

Matrix: Air

Analysis Batch: 131805

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	9.31		ppb v/v		93	70 - 130
1,1,2,2-Tetrachloroethane	10.0	9.83		ppb v/v		98	69 - 129
1,1,2-Trichloroethane	10.0	9.83		ppb v/v		98	69 - 129
1,1-Dichloroethane	10.0	8.98		ppb v/v		90	66 - 126
1,1-Dichloroethene	10.0	8.38		ppb v/v		84	67 - 127
1,2,4-Trichlorobenzene	10.0	7.69		ppb v/v		77	59 - 126
1,2,4-Trimethylbenzene	10.0	9.67		ppb v/v		97	65 - 125
1,2-Dibromoethane	10.0	9.93		ppb v/v		99	70 - 130
1,2-Dichlorobenzene	10.0	9.59		ppb v/v		96	67 - 127
1,2-Dichloroethane	10.0	9.36		ppb v/v		94	67 - 132

TestAmerica Burlington

QC Sample Results

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

TestAmerica Job ID: 200-44316-1

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

Lab Sample ID: LCS 200-131805/3

Matrix: Air

Analysis Batch: 131805

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	9.62		ppb v/v		96	67 - 127
1,2-Dichlorotetrafluoroethane	10.0	9.98		ppb v/v		100	78 - 138
1,3,5-Trimethylbenzene	10.0	9.67		ppb v/v		97	65 - 125
1,3-Butadiene	10.0	8.35		ppb v/v		84	59 - 125
1,3-Dichlorobenzene	10.0	9.71		ppb v/v		97	67 - 127
1,4-Dichlorobenzene	10.0	9.72		ppb v/v		97	66 - 126
1,4-Dioxane	10.0	9.12		ppb v/v		91	66 - 132
2,2,4-Trimethylpentane	10.0	9.41		ppb v/v		94	67 - 127
2-Chlorotoluene	10.0	9.76		ppb v/v		98	67 - 127
3-Chloropropene	10.0	7.40		ppb v/v		74	53 - 133
4-Ethyltoluene	10.0	10.0		ppb v/v		100	69 - 129
Acetone	10.0	8.48		ppb v/v		85	64 - 136
Benzene	10.0	9.47		ppb v/v		95	67 - 127
Bromodichloromethane	10.0	9.74		ppb v/v		97	69 - 129
Bromoethene(Vinyl Bromide)	10.0	10.0		ppb v/v		101	67 - 127
Bromoform	10.0	9.61		ppb v/v		96	34 - 170
Bromomethane	10.0	9.38		ppb v/v		94	68 - 128
Carbon disulfide	10.0	9.22		ppb v/v		92	81 - 141
Carbon tetrachloride	10.0	9.95		ppb v/v		100	62 - 143
Chlorobenzene	10.0	9.75		ppb v/v		98	68 - 128
Chloroethane	10.0	8.95		ppb v/v		90	65 - 125
Chloroform	10.0	9.16		ppb v/v		92	69 - 129
Chloromethane	10.0	8.35		ppb v/v		83	57 - 126
cis-1,2-Dichloroethene	10.0	9.00		ppb v/v		90	67 - 127
cis-1,3-Dichloropropene	10.0	9.16		ppb v/v		92	70 - 130
Cyclohexane	10.0	9.62		ppb v/v		96	69 - 129
Dibromochloromethane	10.0	9.60		ppb v/v		96	66 - 130
Dichlorodifluoromethane	10.0	8.88		ppb v/v		89	68 - 128
Ethylbenzene	10.0	9.55		ppb v/v		96	68 - 128
Freon TF	10.0	8.59		ppb v/v		86	68 - 128
Hexachlorobutadiene	10.0	8.53		ppb v/v		85	62 - 130
Isopropyl alcohol	10.0	7.98		ppb v/v		80	55 - 124
m,p-Xylene	20.0	19.5		ppb v/v		97	68 - 128
Methyl Butyl Ketone (2-Hexanone)	10.0	8.55		ppb v/v		86	61 - 127
Methyl Ethyl Ketone	10.0	8.82		ppb v/v		88	62 - 122
methyl isobutyl ketone	10.0	8.88		ppb v/v		89	62 - 130
Methyl tert-butyl ether	10.0	9.08		ppb v/v		91	67 - 127
Methylene Chloride	10.0	7.94		ppb v/v		79	62 - 122
n-Heptane	10.0	9.06		ppb v/v		91	62 - 130
n-Hexane	10.0	8.86		ppb v/v		89	71 - 131
Styrene	10.0	9.41		ppb v/v		94	68 - 128
tert-Butyl alcohol	10.0	8.90		ppb v/v		89	64 - 124
Tetrachloroethene	10.0	10.1		ppb v/v		101	70 - 130
Tetrahydrofuran	10.0	9.20		ppb v/v		92	61 - 136
Toluene	10.0	9.63		ppb v/v		96	67 - 127
trans-1,2-Dichloroethene	10.0	9.15		ppb v/v		92	72 - 132
trans-1,3-Dichloropropene	10.0	9.75		ppb v/v		98	69 - 129

TestAmerica Burlington

QC Sample Results

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

TestAmerica Job ID: 200-44316-1

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

Lab Sample ID: LCS 200-131805/3

Matrix: Air

Analysis Batch: 131805

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	9.52		ppb v/v		95	68 - 128
Trichlorofluoromethane	10.0	9.83		ppb v/v		98	67 - 127
Vinyl chloride	10.0	8.78		ppb v/v		88	62 - 125
Xylene, o-	10.0	9.75		ppb v/v		97	67 - 127
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	55	50.8		ug/m3		93	70 - 130
1,1,2,2-Tetrachloroethane	69	67.5		ug/m3		98	69 - 129
1,1,2-Trichloroethane	55	53.7		ug/m3		98	69 - 129
1,1-Dichloroethane	40	36.4		ug/m3		90	66 - 126
1,1-Dichloroethene	40	33.2		ug/m3		84	67 - 127
1,2,4-Trichlorobenzene	74	57.1		ug/m3		77	59 - 126
1,2,4-Trimethylbenzene	49	47.5		ug/m3		97	65 - 125
1,2-Dibromoethane	77	76.3		ug/m3		99	70 - 130
1,2-Dichlorobenzene	60	57.7		ug/m3		96	67 - 127
1,2-Dichloroethane	40	37.9		ug/m3		94	67 - 132
1,2-Dichloropropane	46	44.5		ug/m3		96	67 - 127
1,2-Dichlorotetrafluoroethane	70	69.7		ug/m3		100	78 - 138
1,3,5-Trimethylbenzene	49	47.6		ug/m3		97	65 - 125
1,3-Butadiene	22	18.5		ug/m3		84	59 - 125
1,3-Dichlorobenzene	60	58.4		ug/m3		97	67 - 127
1,4-Dichlorobenzene	60	58.4		ug/m3		97	66 - 126
1,4-Dioxane	36	32.9		ug/m3		91	66 - 132
2,2,4-Trimethylpentane	47	44.0		ug/m3		94	67 - 127
2-Chlorotoluene	52	50.5		ug/m3		98	67 - 127
3-Chloropropene	31	23.2		ug/m3		74	53 - 133
4-Ethyltoluene	49	49.2		ug/m3		100	69 - 129
Acetone	24	20.1		ug/m3		85	64 - 136
Benzene	32	30.3		ug/m3		95	67 - 127
Bromodichloromethane	67	65.3		ug/m3		97	69 - 129
Bromoethene(Vinyl Bromide)	44	44.0		ug/m3		101	67 - 127
Bromoform	100	99.4		ug/m3		96	34 - 170
Bromomethane	39	36.4		ug/m3		94	68 - 128
Carbon disulfide	31	28.7		ug/m3		92	81 - 141
Carbon tetrachloride	63	62.6		ug/m3		100	62 - 143
Chlorobenzene	46	44.9		ug/m3		98	68 - 128
Chloroethane	26	23.6		ug/m3		90	65 - 125
Chloroform	49	44.7		ug/m3		92	69 - 129
Chloromethane	21	17.2		ug/m3		83	57 - 126
cis-1,2-Dichloroethene	40	35.7		ug/m3		90	67 - 127
cis-1,3-Dichloropropene	45	41.6		ug/m3		92	70 - 130
Cyclohexane	34	33.1		ug/m3		96	69 - 129
Dibromochloromethane	85	81.8		ug/m3		96	66 - 130
Dichlorodifluoromethane	49	43.9		ug/m3		89	68 - 128
Ethylbenzene	43	41.5		ug/m3		96	68 - 128
Freon TF	77	65.8		ug/m3		86	68 - 128
Hexachlorobutadiene	110	91.0		ug/m3		85	62 - 130
Isopropyl alcohol	25	19.6		ug/m3		80	55 - 124

TestAmerica Burlington

QC Sample Results

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

TestAmerica Job ID: 200-44316-1

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

Lab Sample ID: LCS 200-131805/3

Matrix: Air

Analysis Batch: 131805

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	84.6		ug/m3		97	68 - 128
Methyl Butyl Ketone	41	35.0		ug/m3		86	61 - 127
(2-Hexanone)							
Methyl Ethyl Ketone	29	26.0		ug/m3		88	62 - 122
methyl isobutyl ketone	41	36.4		ug/m3		89	62 - 130
Methyl tert-butyl ether	36	32.7		ug/m3		91	67 - 127
Methylene Chloride	35	27.6		ug/m3		79	62 - 122
n-Heptane	41	37.1		ug/m3		91	62 - 130
n-Hexane	35	31.2		ug/m3		89	71 - 131
Styrene	43	40.1		ug/m3		94	68 - 128
tert-Butyl alcohol	30	27.0		ug/m3		89	64 - 124
Tetrachloroethene	68	68.2		ug/m3		101	70 - 130
Tetrahydrofuran	29	27.1		ug/m3		92	61 - 136
Toluene	38	36.3		ug/m3		96	67 - 127
trans-1,2-Dichloroethene	40	36.3		ug/m3		92	72 - 132
trans-1,3-Dichloropropene	45	44.3		ug/m3		98	69 - 129
Trichloroethene	54	51.1		ug/m3		95	68 - 128
Trichlorofluoromethane	56	55.2		ug/m3		98	67 - 127
Vinyl chloride	26	22.4		ug/m3		88	62 - 125
Xylene, o-	43	42.3		ug/m3		97	67 - 127

Definitions/Glossary

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

TestAmerica Job ID: 200-44316-1

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)

QC Association Summary

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

TestAmerica Job ID: 200-44316-1

Air - GC/MS VOA

Analysis Batch: 131805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-44316-1	AS-3Q18	Total/NA	Air	TO-15	
200-44316-2	LRP-3Q18	Total/NA	Air	TO-15	
MB 200-131805/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-131805/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

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

TestAmerica Job ID: 200-44316-1

Client Sample ID: AS-3Q18

Date Collected: 07/12/18 08:06

Date Received: 07/13/18 10:30

Lab Sample ID: 200-44316-1

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		10	131805	07/16/18 13:24	A1B	TAL BUR

Client Sample ID: LRP-3Q18

Date Collected: 07/12/18 08:11

Date Received: 07/13/18 10:30

Lab Sample ID: 200-44316-2

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		10	131805	07/16/18 14:14	A1B	TAL BUR

Laboratory References:

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

Accreditation/Certification Summary

Client: AECOM

TestAmerica Job ID: 200-44316-1

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
ANAB	DoD ELAP		L2336	02-25-20
Connecticut	State Program	1	PH-0751	09-30-19
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-01-19
Maine	State Program	1	VT00008	04-17-19
Minnesota	NELAP	5	050-999-436	12-31-18
New Jersey	NELAP	2	VT972	06-30-19
New York	NELAP	2	10391	04-01-19
Pennsylvania	NELAP	3	68-00489	04-30-19
Rhode Island	State Program	1	LAO00298	12-30-18
US Fish & Wildlife	Federal		LE-058448-0	07-31-18 *
USDA	Federal		P330-11-00093	07-24-20
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	03-31-19

* 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.: 200-44316-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 31373_03.D
 Lab ID: LCS 200-131805/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	9.31	93	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.83	98	69-129	
1,1,2-Trichloroethane	10.0	9.83	98	69-129	
1,1-Dichloroethane	10.0	8.98	90	66-126	
1,1-Dichloroethene	10.0	8.38	84	67-127	
1,2,4-Trichlorobenzene	10.0	7.69	77	59-126	
1,2,4-Trimethylbenzene	10.0	9.67	97	65-125	
1,2-Dibromoethane	10.0	9.93	99	70-130	
1,2-Dichlorobenzene	10.0	9.59	96	67-127	
1,2-Dichloroethane	10.0	9.36	94	67-132	
1,2-Dichloropropane	10.0	9.62	96	67-127	
1,2-Dichlorotetrafluoroethane	10.0	9.98	100	78-138	
1,3,5-Trimethylbenzene	10.0	9.67	97	65-125	
1,3-Butadiene	10.0	8.35	84	59-125	
1,3-Dichlorobenzene	10.0	9.71	97	67-127	
1,4-Dichlorobenzene	10.0	9.72	97	66-126	
1,4-Dioxane	10.0	9.12	91	66-132	
2,2,4-Trimethylpentane	10.0	9.41	94	67-127	
2-Chlorotoluene	10.0	9.76	98	67-127	
3-Chloropropene	10.0	7.40	74	53-133	
4-Ethyltoluene	10.0	10.0	100	69-129	
Acetone	10.0	8.48	85	64-136	
Benzene	10.0	9.47	95	67-127	
Bromodichloromethane	10.0	9.74	97	69-129	
Bromoethene (Vinyl Bromide)	10.0	10.0	101	67-127	
Bromoform	10.0	9.61	96	34-170	
Bromomethane	10.0	9.38	94	68-128	
Carbon disulfide	10.0	9.22	92	81-141	
Carbon tetrachloride	10.0	9.95	100	62-143	
Chlorobenzene	10.0	9.75	98	68-128	
Chloroethane	10.0	8.95	90	65-125	
Chloroform	10.0	9.16	92	69-129	
Chloromethane	10.0	8.35	83	57-126	
cis-1,2-Dichloroethene	10.0	9.00	90	67-127	
cis-1,3-Dichloropropene	10.0	9.16	92	70-130	
Cyclohexane	10.0	9.62	96	69-129	
Dibromochloromethane	10.0	9.60	96	66-130	
Dichlorodifluoromethane	10.0	8.88	89	68-128	
Ethylbenzene	10.0	9.55	96	68-128	
Freon TF	10.0	8.59	86	68-128	
Hexachlorobutadiene	10.0	8.53	85	62-130	
Isopropyl alcohol	10.0	7.98	80	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.: 200-44316-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 31373_03.D
 Lab ID: LCS 200-131805/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
m,p-Xylene	20.0	19.5	97	68-128	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.55	86	61-127	
Methyl Ethyl Ketone	10.0	8.82	88	62-122	
methyl isobutyl ketone	10.0	8.88	89	62-130	
Methyl tert-butyl ether	10.0	9.08	91	67-127	
Methylene Chloride	10.0	7.94	79	62-122	
n-Heptane	10.0	9.06	91	62-130	
n-Hexane	10.0	8.86	89	71-131	
Styrene	10.0	9.41	94	68-128	
tert-Butyl alcohol	10.0	8.90	89	64-124	
Tetrachloroethene	10.0	10.1	101	70-130	
Tetrahydrofuran	10.0	9.20	92	61-136	
Toluene	10.0	9.63	96	67-127	
trans-1,2-Dichloroethene	10.0	9.15	92	72-132	
trans-1,3-Dichloropropene	10.0	9.75	98	69-129	
Trichloroethene	10.0	9.52	95	68-128	
Trichlorofluoromethane	10.0	9.83	98	67-127	
Vinyl chloride	10.0	8.78	88	62-125	
Xylene, o-	10.0	9.75	97	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.: 200-44316-1
SDG No.: _____
Lab File ID: 31373_04.D Lab Sample ID: MB 200-131805/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHX.i Date Analyzed: 07/16/2018 12:17
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 200-131805/3	31373_03.D	07/16/2018 11:27
AS-3Q18	200-44316-1	31373_05.D	07/16/2018 13:24
LRP-3Q18	200-44316-2	31373_06.D	07/16/2018 14:14

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-44316-1
 SDG No.: _____
 Lab File ID: 31226_01.D BFB Injection Date: 07/03/2018
 Instrument ID: CHX.i BFB Injection Time: 15:10
 Analysis Batch No.: 131431

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.4
75	30.0 - 66.0% of mass 95	45.9
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	0.6 (0.7) 1
174	50.0 - 120.0% of mass 95	84.8
175	4.0 - 9.0 % of mass 174	6.1 (7.2) 1
176	93.0 - 101.0% of mass 174	82.3 (97.0) 1
177	5.0 - 9.0% of mass 176	5.3 (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 200-131431/4	31226_04.D	07/03/2018	17:35
	IC 200-131431/5	31226_05.D	07/03/2018	18:25
	IC 200-131431/7	31226_07.D	07/03/2018	20:06
	IC 200-131431/9	31226_09.D	07/03/2018	21:47
	ICIS 200-131431/10	31226_10.D	07/03/2018	22:37
	IC 200-131431/11	31226_11.D	07/03/2018	23:27
	IC 200-131431/12	31226_12.D	07/04/2018	00:18
	IC 200-131431/13	31226_13.D	07/04/2018	01:08
	ICV 200-131431/17	31226_17.D	07/04/2018	04:30

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-44316-1
 SDG No.: _____
 Lab File ID: 31373_01.D BFB Injection Date: 07/16/2018
 Instrument ID: CHX.i BFB Injection Time: 09:42
 Analysis Batch No.: 131805

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.8
75	30.0 - 66.0% of mass 95	45.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 120.0% of mass 95	86.6
175	4.0 - 9.0 % of mass 174	6.2 (7.2) 1
176	93.0 - 101.0% of mass 174	83.7 (96.6) 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 200-131805/2	31373_02.D	07/16/2018	10:36
	LCS 200-131805/3	31373_03.D	07/16/2018	11:27
	MB 200-131805/4	31373_04.D	07/16/2018	12:17
AS-3Q18	200-44316-1	31373_05.D	07/16/2018	13:24
LRP-3Q18	200-44316-2	31373_06.D	07/16/2018	14:14

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

Lab Name: TestAmerica Burlington Job No.: 200-44316-1
 SDG No.: _____
 Sample No.: ICIS 200-131431/10 Date Analyzed: 07/03/2018 22:37
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 31226_10.D Heated Purge: (Y/N) N
 Calibration ID: 39721

	BCM		DFBZ		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	395388	10.15	2136270	12.23	1885878	18.55	
UPPER LIMIT	553543	10.48	2990778	12.56	2640229	18.88	
LOWER LIMIT	237233	9.82	1281762	11.90	1131527	18.22	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-131431/17		424190	10.15	2276144	12.22	1998866	18.55

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.: 200-44316-1
 SDG No.: _____
 Sample No.: CCVIS 200-131805/2 Date Analyzed: 07/16/2018 10:36
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 31373_02.D Heated Purge: (Y/N) N
 Calibration ID: 39721

	BCM		DFBZ		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	344063	10.15	1855940	12.22	1681676	18.55	
UPPER LIMIT	481688	10.48	2598316	12.55	2354346	18.88	
LOWER LIMIT	206438	9.82	1113564	11.89	1009006	18.22	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-131805/3		354165	10.15	1897835	12.22	1714384	18.55
MB 200-131805/4		342180	10.15	1873752	12.22	1642567	18.55
200-44316-1	AS-3Q18	332442	10.15	1792200	12.22	1579389	18.55
200-44316-2	LRP-3Q18	329597	10.15	1782533	12.22	1595713	18.55

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 I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-44316-1
 SDG No.: _____
 Client Sample ID: AS-3Q18 Lab Sample ID: 200-44316-1
 Matrix: Air Lab File ID: 31373_05.D
 Analysis Method: TO-15 Date Collected: 07/12/2018 08:06
 Sample wt/vol: 20 (mL) Date Analyzed: 07/16/2018 13:24
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 131805 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	2.0	U	2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.0	U	2.0	2.0
79-00-5	1,1,2-Trichloroethane	133.41	2.0	U	2.0	2.0
75-34-3	1,1-Dichloroethane	98.96	2.0	U	2.0	2.0
75-35-4	1,1-Dichloroethene	96.94	2.0	U	2.0	2.0
120-82-1	1,2,4-Trichlorobenzene	181.45	5.0	U	5.0	5.0
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0	U	2.0	2.0
106-93-4	1,2-Dibromoethane	187.87	2.0	U	2.0	2.0
95-50-1	1,2-Dichlorobenzene	147.00	2.0	U	2.0	2.0
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	2.0
540-59-0	1,2-Dichloroethene, Total	96.94	4.0	U	4.0	4.0
78-87-5	1,2-Dichloropropane	112.99	2.0	U	2.0	2.0
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.0	U	2.0	2.0
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0	U	2.0	2.0
106-99-0	1,3-Butadiene	54.09	2.0	U	2.0	2.0
541-73-1	1,3-Dichlorobenzene	147.00	2.3		2.0	2.0
106-46-7	1,4-Dichlorobenzene	147.00	2.0	U	2.0	2.0
123-91-1	1,4-Dioxane	88.11	50	U	50	50
540-84-1	2,2,4-Trimethylpentane	114.23	2.0	U	2.0	2.0
95-49-8	2-Chlorotoluene	126.59	2.0	U	2.0	2.0
107-05-1	3-Chloropropene	76.53	5.0	U	5.0	5.0
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	2.0
67-64-1	Acetone	58.08	50	U	50	50
71-43-2	Benzene	78.11	2.0	U	2.0	2.0
75-27-4	Bromodichloromethane	163.83	2.0	U	2.0	2.0
593-60-2	Bromoethene (Vinyl Bromide)	106.96	2.0	U	2.0	2.0
75-25-2	Bromoform	252.75	2.0	U	2.0	2.0
74-83-9	Bromomethane	94.94	2.0	U	2.0	2.0
75-15-0	Carbon disulfide	76.14	5.0	U	5.0	5.0
56-23-5	Carbon tetrachloride	153.81	2.0	U	2.0	2.0
108-90-7	Chlorobenzene	112.56	2.0	U	2.0	2.0
75-00-3	Chloroethane	64.52	22		5.0	5.0
67-66-3	Chloroform	119.38	2.0	U	2.0	2.0

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

Lab Name: TestAmerica Burlington Job No.: 200-44316-1
 SDG No.: _____
 Client Sample ID: AS-3Q18 Lab Sample ID: 200-44316-1
 Matrix: Air Lab File ID: 31373_05.D
 Analysis Method: TO-15 Date Collected: 07/12/2018 08:06
 Sample wt/vol: 20 (mL) Date Analyzed: 07/16/2018 13:24
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 131805 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	5.0	U	5.0	5.0
156-59-2	cis-1,2-Dichloroethene	96.94	2.0	U	2.0	2.0
10061-01-5	cis-1,3-Dichloropropene	110.97	2.0	U	2.0	2.0
110-82-7	Cyclohexane	84.16	2.0	U	2.0	2.0
124-48-1	Dibromochloromethane	208.29	2.0	U	2.0	2.0
75-71-8	Dichlorodifluoromethane	120.91	5.0	U	5.0	5.0
100-41-4	Ethylbenzene	106.17	2.0	U	2.0	2.0
76-13-1	Freon TF	187.38	2.0	U	2.0	2.0
87-68-3	Hexachlorobutadiene	260.76	2.0	U	2.0	2.0
67-63-0	Isopropyl alcohol	60.10	50	U	50	50
179601-23-1	m,p-Xylene	106.17	5.0	U	5.0	5.0
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	72.11	5.0	U	5.0	5.0
108-10-1	methyl isobutyl ketone	100.16	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	88.15	2.0	U	2.0	2.0
75-09-2	Methylene Chloride	84.93	5.0	U	5.0	5.0
142-82-5	n-Heptane	100.21	2.0	U	2.0	2.0
110-54-3	n-Hexane	86.17	2.0	U	2.0	2.0
100-42-5	Styrene	104.15	2.0	U	2.0	2.0
75-65-0	tert-Butyl alcohol	74.12	50	U	50	50
127-18-4	Tetrachloroethene	165.83	2.0	U	2.0	2.0
109-99-9	Tetrahydrofuran	72.11	50	U	50	50
108-88-3	Toluene	92.14	2.5		2.0	2.0
156-60-5	trans-1,2-Dichloroethene	96.94	2.0	U	2.0	2.0
10061-02-6	trans-1,3-Dichloropropene	110.97	2.0	U	2.0	2.0
79-01-6	Trichloroethene	131.39	2.0	U	2.0	2.0
75-69-4	Trichlorofluoromethane	137.37	2.0		2.0	2.0
75-01-4	Vinyl chloride	62.50	2.0	U	2.0	2.0
1330-20-7	Xylene (total)	106.17	7.0	U	7.0	7.0
95-47-6	Xylene, o-	106.17	2.0	U	2.0	2.0

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

Lab Name: TestAmerica Burlington Job No.: 200-44316-1
 SDG No.: _____
 Client Sample ID: AS-3Q18 Lab Sample ID: 200-44316-1
 Matrix: Air Lab File ID: 31373_05.D
 Analysis Method: TO-15 Date Collected: 07/12/2018 08:06
 Sample wt/vol: 20 (mL) Date Analyzed: 07/16/2018 13:24
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 131805 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	11	U	11	11
79-34-5	1,1,2,2-Tetrachloroethane	167.85	14	U	14	14
79-00-5	1,1,2-Trichloroethane	133.41	11	U	11	11
75-34-3	1,1-Dichloroethane	98.96	8.1	U	8.1	8.1
75-35-4	1,1-Dichloroethene	96.94	7.9	U	7.9	7.9
120-82-1	1,2,4-Trichlorobenzene	181.45	37	U	37	37
95-63-6	1,2,4-Trimethylbenzene	120.20	9.8	U	9.8	9.8
106-93-4	1,2-Dibromoethane	187.87	15	U	15	15
95-50-1	1,2-Dichlorobenzene	147.00	12	U	12	12
107-06-2	1,2-Dichloroethane	98.96	8.1	U	8.1	8.1
540-59-0	1,2-Dichloroethene, Total	96.94	16	U	16	16
78-87-5	1,2-Dichloropropane	112.99	9.2	U	9.2	9.2
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	14	U	14	14
108-67-8	1,3,5-Trimethylbenzene	120.20	9.8	U	9.8	9.8
106-99-0	1,3-Butadiene	54.09	4.4	U	4.4	4.4
541-73-1	1,3-Dichlorobenzene	147.00	14	U	12	12
106-46-7	1,4-Dichlorobenzene	147.00	12	U	12	12
123-91-1	1,4-Dioxane	88.11	180	U	180	180
540-84-1	2,2,4-Trimethylpentane	114.23	9.3	U	9.3	9.3
95-49-8	2-Chlorotoluene	126.59	10	U	10	10
107-05-1	3-Chloropropene	76.53	16	U	16	16
622-96-8	4-Ethyltoluene	120.20	9.8	U	9.8	9.8
67-64-1	Acetone	58.08	120	U	120	120
71-43-2	Benzene	78.11	6.4	U	6.4	6.4
75-27-4	Bromodichloromethane	163.83	13	U	13	13
593-60-2	Bromoethene (Vinyl Bromide)	106.96	8.7	U	8.7	8.7
75-25-2	Bromoform	252.75	21	U	21	21
74-83-9	Bromomethane	94.94	7.8	U	7.8	7.8
75-15-0	Carbon disulfide	76.14	16	U	16	16
56-23-5	Carbon tetrachloride	153.81	13	U	13	13
108-90-7	Chlorobenzene	112.56	9.2	U	9.2	9.2
75-00-3	Chloroethane	64.52	57		13	13
67-66-3	Chloroform	119.38	9.8	U	9.8	9.8

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

Lab Name: TestAmerica Burlington Job No.: 200-44316-1
 SDG No.: _____
 Client Sample ID: AS-3Q18 Lab Sample ID: 200-44316-1
 Matrix: Air Lab File ID: 31373_05.D
 Analysis Method: TO-15 Date Collected: 07/12/2018 08:06
 Sample wt/vol: 20 (mL) Date Analyzed: 07/16/2018 13:24
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 131805 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	10	U	10	10
156-59-2	cis-1,2-Dichloroethene	96.94	7.9	U	7.9	7.9
10061-01-5	cis-1,3-Dichloropropene	110.97	9.1	U	9.1	9.1
110-82-7	Cyclohexane	84.16	6.9	U	6.9	6.9
124-48-1	Dibromochloromethane	208.29	17	U	17	17
75-71-8	Dichlorodifluoromethane	120.91	25	U	25	25
100-41-4	Ethylbenzene	106.17	8.7	U	8.7	8.7
76-13-1	Freon TF	187.38	15	U	15	15
87-68-3	Hexachlorobutadiene	260.76	21	U	21	21
67-63-0	Isopropyl alcohol	60.10	120	U	120	120
179601-23-1	m,p-Xylene	106.17	22	U	22	22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	20	U	20	20
78-93-3	Methyl Ethyl Ketone	72.11	15	U	15	15
108-10-1	methyl isobutyl ketone	100.16	20	U	20	20
1634-04-4	Methyl tert-butyl ether	88.15	7.2	U	7.2	7.2
75-09-2	Methylene Chloride	84.93	17	U	17	17
142-82-5	n-Heptane	100.21	8.2	U	8.2	8.2
110-54-3	n-Hexane	86.17	7.0	U	7.0	7.0
100-42-5	Styrene	104.15	8.5	U	8.5	8.5
75-65-0	tert-Butyl alcohol	74.12	150	U	150	150
127-18-4	Tetrachloroethene	165.83	14	U	14	14
109-99-9	Tetrahydrofuran	72.11	150	U	150	150
108-88-3	Toluene	92.14	9.5		7.5	7.5
156-60-5	trans-1,2-Dichloroethene	96.94	7.9	U	7.9	7.9
10061-02-6	trans-1,3-Dichloropropene	110.97	9.1	U	9.1	9.1
79-01-6	Trichloroethene	131.39	11	U	11	11
75-69-4	Trichlorofluoromethane	137.37	11		11	11
75-01-4	Vinyl chloride	62.50	5.1	U	5.1	5.1
1330-20-7	Xylene (total)	106.17	30	U	30	30
95-47-6	Xylene, o-	106.17	8.7	U	8.7	8.7

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_05.D
 Lims ID: 200-44316-A-1
 Client ID: AS-3Q18
 Sample Type: Client
 Inject. Date: 16-Jul-2018 13:24:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 10.0000
 Sample Info: 200-0031373-005
 Operator ID: pad Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Jul-2018 10:44:16 Calib Date: 04-Jul-2018 01:08:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK024

First Level Reviewer: bunmaa

Date: 17-Jul-2018 10:44:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.108	3.106	0.000	99	26465	0.3724	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.349				ND	MUa
5 Chloromethane	50	3.482	3.481	-0.001	99	10979	0.4051	
7 Vinyl chloride	62	3.707	3.705	0.000	95	991	0.0316	
8 Butadiene	54		3.777				ND	
10 Bromomethane	94		4.408				ND	
11 Chloroethane	64	4.622	4.625	-0.005	100	33955	2.17	
13 Vinyl bromide	106		4.991				ND	
14 Trichlorofluoromethane	101	5.077	5.079	-0.005	97	14574	0.2002	
20 1,1,2-Trichloro-1,2,2-trif	101	6.093	6.095	-0.006	84	3834	0.0594	
21 1,1-Dichloroethene	96		6.152				ND	
22 Acetone	43	6.403	6.441	0.010	96	108107	2.47	
23 Carbon disulfide	76	6.537	6.539	-0.006	99	38029	0.4105	
24 Isopropyl alcohol	45	6.703	6.671	0.032	99	19405	0.3879	
25 3-Chloro-1-propene	41		6.922				ND	U
27 Methylene Chloride	49	7.222	7.222	0.005	93	9014	0.2454	
28 2-Methyl-2-propanol	59	7.479	7.432	0.043	95	8166	0.1276	
29 Methyl tert-butyl ether	73		7.613				ND	
31 trans-1,2-Dichloroethene	61	7.639	7.646	-0.011	97	8010	0.1698	
33 Hexane	57	8.030	8.020	0.006	91	5336	0.1034	
34 1,1-Dichloroethane	63		8.533				ND	
S 30 1,2-Dichloroethene, Total	61				0		0.1902	
37 cis-1,2-Dichloroethene	96	9.661	9.662	-0.006	61	740	0.0204	
38 2-Butanone (MEK)	72	9.742	9.721	0.016	99	7043	0.3857	
* 40 Chlorobromomethane	128	10.148	10.154	-0.006	90	332442	10.0	
41 Tetrahydrofuran	42	10.202	10.155	0.043	56	3503	0.0946	
42 Chloroform	83	10.277	10.282	-0.011	66	1815	0.0254	
43 Cyclohexane	84	10.533	10.533	0.005	29	1334	0.0277	M
44 1,1,1-Trichloroethane	97		10.566				ND	
45 Carbon tetrachloride	117	10.822	10.818	0.000	72	4414	0.0627	
46 Isooctane	57	11.266	11.266	-0.006	97	16671	0.0915	
47 Benzene	78	11.325	11.315	0.005	97	10309	0.0899	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 1,2-Dichloroethane	62		11.529				ND	
49 n-Heptane	43	11.689	11.684	0.000	88	3169	0.0483	
* 50 1,4-Difluorobenzene	114	12.218	12.224	-0.006	94	1792200	10.0	
53 Trichloroethene	95	12.705	12.711	-0.011	32	963	0.0191	
54 1,2-Dichloropropane	63		13.315				ND	
56 1,4-Dioxane	88	13.588	13.555	0.027	90	17117	0.6913	
58 Dichlorobromomethane	83		13.898				ND	
60 cis-1,3-Dichloropropene	75		14.877				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.188				ND	Ua
65 Toluene	92	15.487	15.487	0.000	93	20641	0.2533	
66 trans-1,3-Dichloropropene	75		16.135				ND	U
67 1,1,2-Trichloroethane	83		16.525				ND	
68 Tetrachloroethene	166		16.616				ND	
69 2-Hexanone	43	17.022	17.007	0.015	92	7170	0.0889	
71 Chlorodibromomethane	129		17.328				ND	
72 Ethylene Dibromide	107		17.606				ND	
* 74 Chlorobenzene-d5	117	18.552	18.553	-0.001	86	1579389	10.0	
75 Chlorobenzene	112	18.622	18.622	0.005	76	997	0.009003	
76 Ethylbenzene	91	18.777	18.777	0.000	98	11526	0.0632	
78 m-Xylene & p-Xylene	106	19.045	19.045	0.000	0	12441	0.1755	
S 73 Xylenes, Total	106				0		0.2551	
79 o-Xylene	106	19.927	19.927	-0.011	98	5386	0.0796	M
80 Styrene	104	19.992	19.992	-0.010	76	1740	0.0158	M
81 Bromoform	173		20.473				ND	MU
84 1,1,2,2-Tetrachloroethane	83	21.436	21.436	0.005	82	1792	0.0171	Ma
88 4-Ethyltoluene	105	21.693	21.693	-0.005	42	5552	0.0274	a
89 2-Chlorotoluene	91		21.698				ND	Ua
90 1,3,5-Trimethylbenzene	105	21.816	21.811	0.005	92	5264	0.0313	
93 1,2,4-Trimethylbenzene	105	22.436	22.437	-0.001	98	16340	0.0982	
96 1,3-Dichlorobenzene	146	22.918	22.934	0.000	98	26454	0.2301	
97 1,4-Dichlorobenzene	146	23.062	23.068	0.000	94	2893	0.0253	
101 1,2-Dichlorobenzene	146	23.613	23.613	-0.001	94	2695	0.0248	
103 1,2,4-Trichlorobenzene	180	26.176	26.181	0.005	90	3388	0.0437	
104 Hexachlorobutadiene	225		26.358				ND	Ua

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_05.D

Injection Date: 16-Jul-2018 13:24:30

Instrument ID: CHX.i

Operator ID: pad

Lims ID: 200-44316-A-1

Lab Sample ID: 200-44316-1

Worklist Smp#: 5

Client ID: AS-3Q18

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

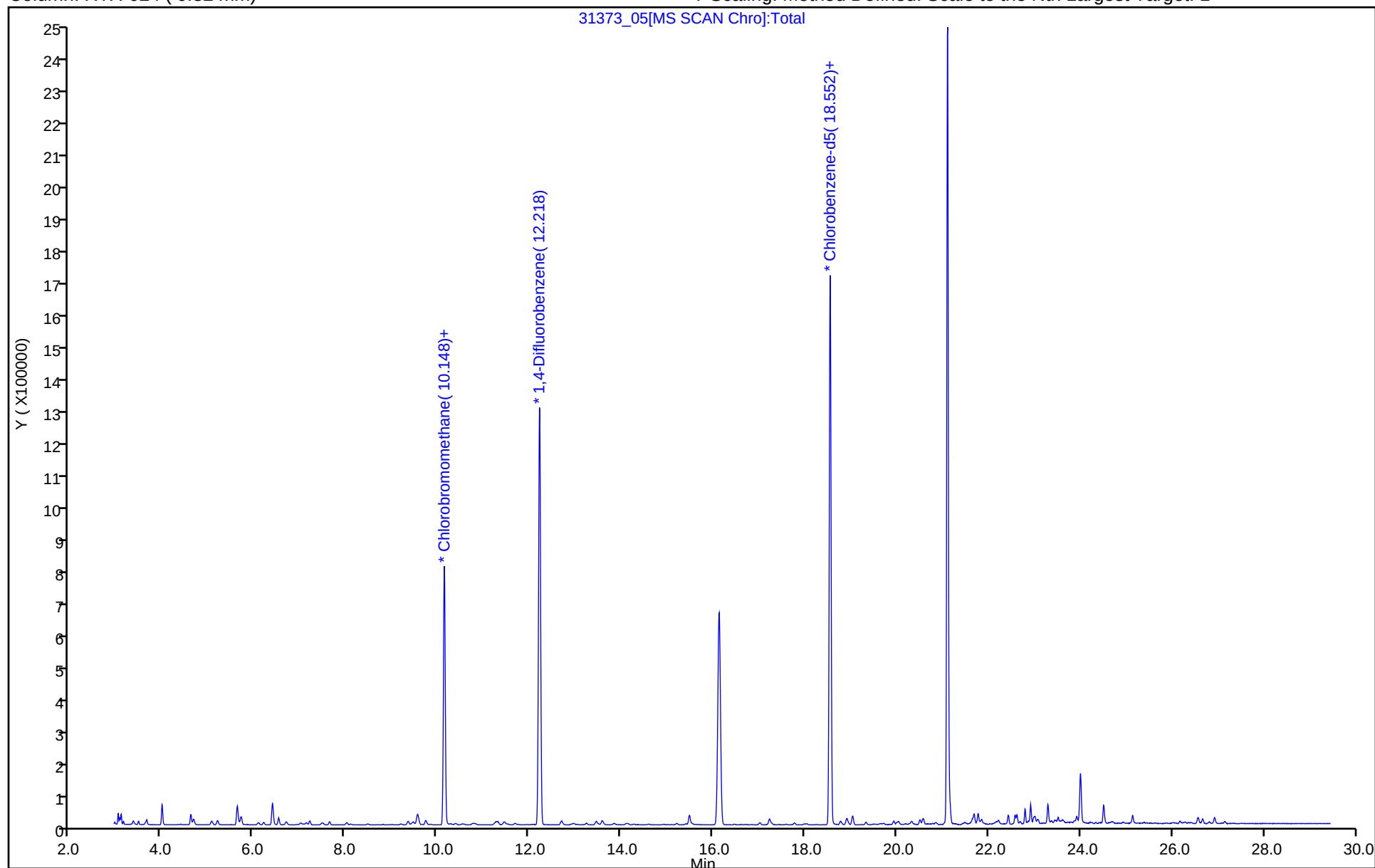
ALS Bottle#: 4

Method: TO15_MasterMethod_X.m

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\\CHX.i\\20180716-31373.b\\31373_05.D

Injection Date: 16-Jul-2018 13:24:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-1

Lab Sample ID: 200-44316-1

Client ID: AS-3Q18

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 5

Purge Vol: 200.000 mL

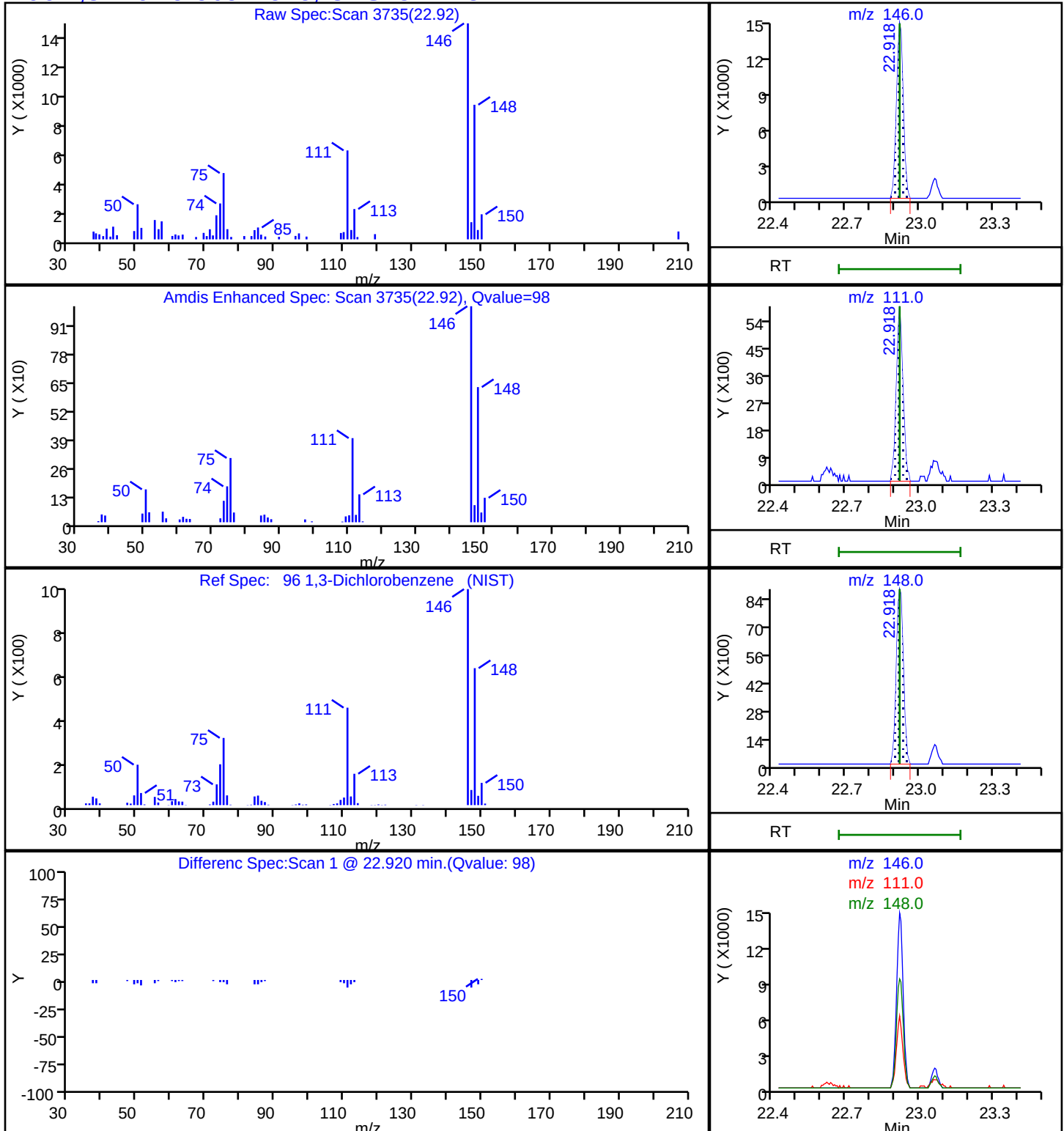
Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

96 1,3-Dichlorobenzene, CAS: 541-73-1

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_05.D

Injection Date: 16-Jul-2018 13:24:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-1

Lab Sample ID: 200-44316-1

Client ID: AS-3Q18

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 5

Purge Vol: 200.000 mL

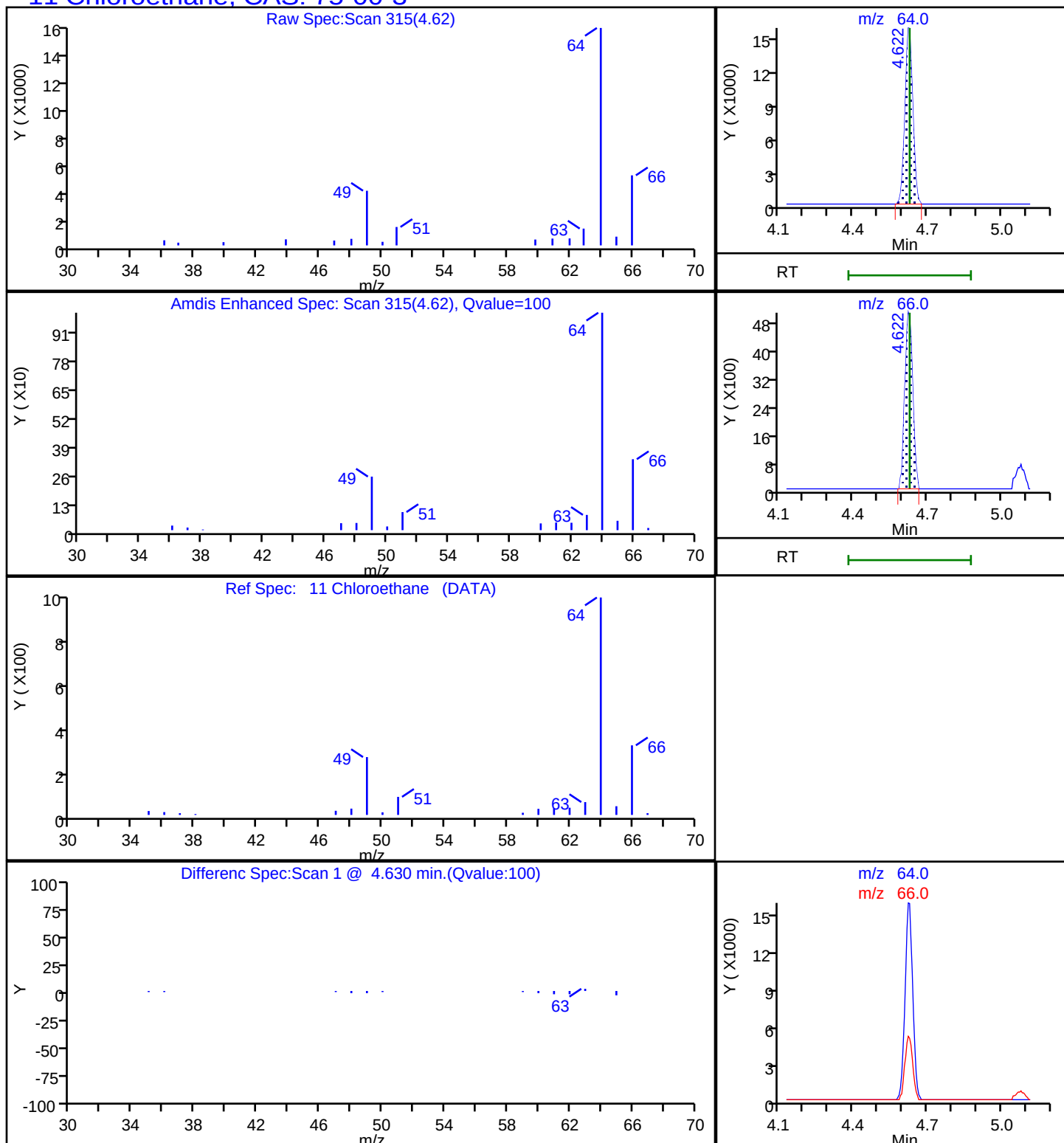
Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

11 Chloroethane, CAS: 75-00-3

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_05.D

Injection Date: 16-Jul-2018 13:24:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-1

Lab Sample ID: 200-44316-1

Client ID: AS-3Q18

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 5

Purge Vol: 200.000 mL

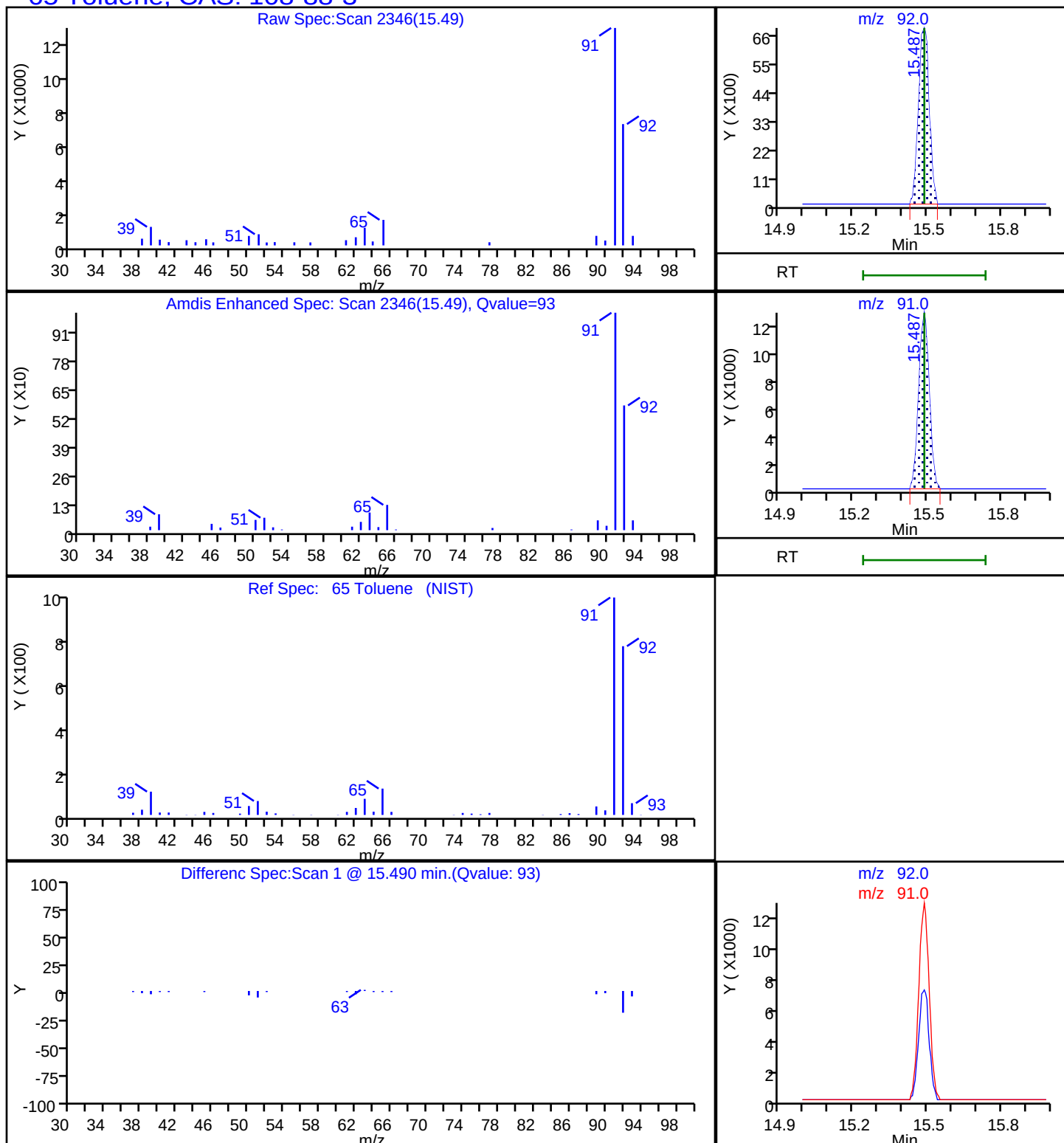
Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

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\CHX.i\20180716-31373.b\31373_05.D

Injection Date: 16-Jul-2018 13:24:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-1

Lab Sample ID: 200-44316-1

Client ID: AS-3Q18

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 5

Purge Vol: 200.000 mL

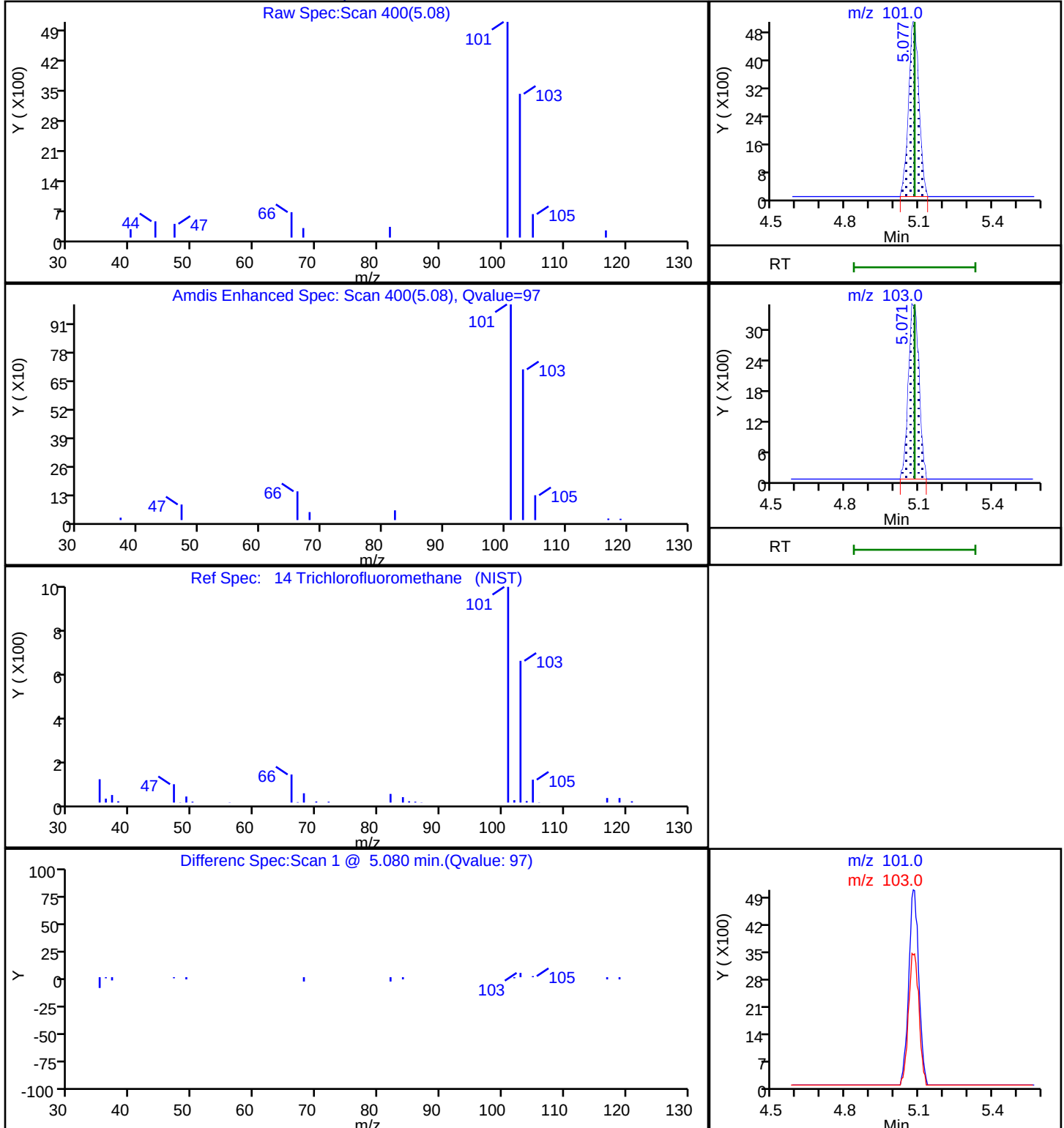
Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

TestAmerica Burlington

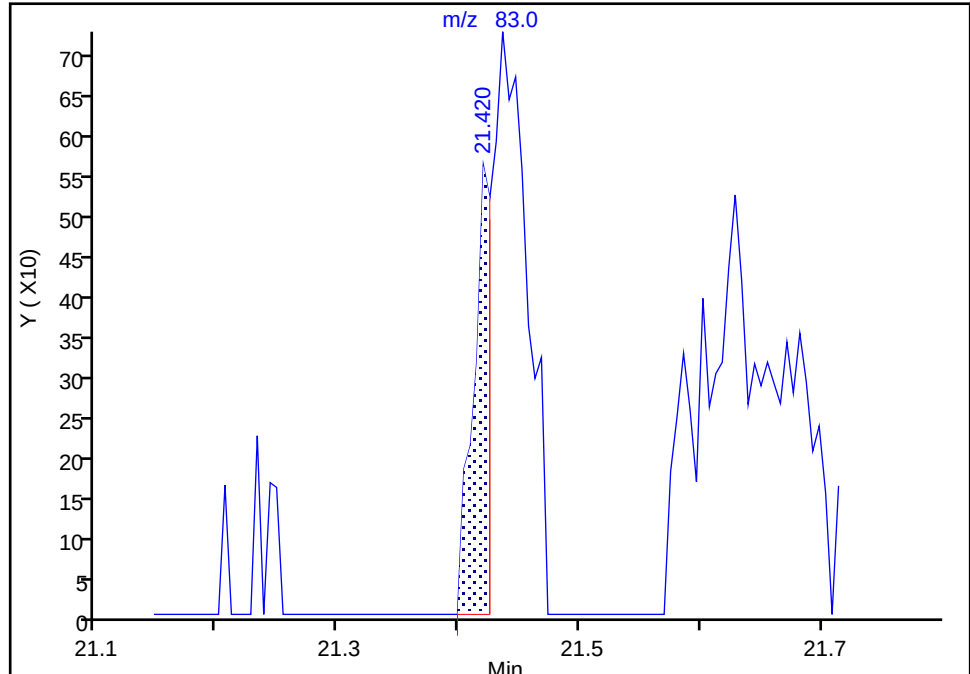
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_05.D		
Injection Date:	16-Jul-2018 13:24:30	Instrument ID:	CHX.i
Lims ID:	200-44316-A-1	Lab Sample ID:	200-44316-1
Client ID:	AS-3Q18		
Operator ID:	pad	ALS Bottle#:	4
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	5

84 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

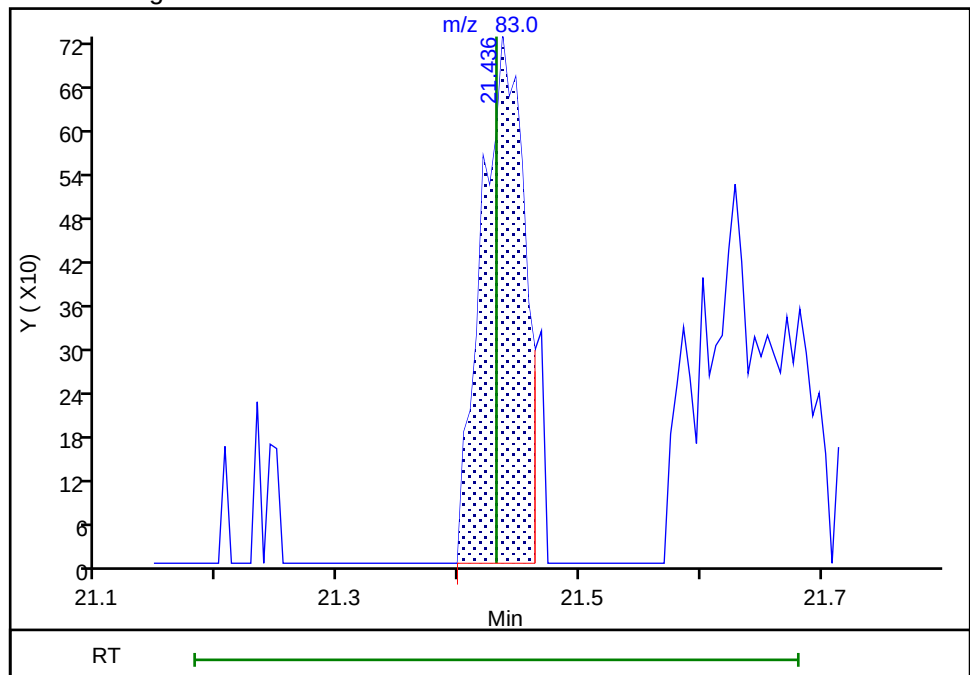
RT: 21.42
Area: 570
Amount: 0.005448
Amount Units: ppb v/v

Processing Integration Results



RT: 21.44
Area: 1792
Amount: 0.017127
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 17-Jul-2018 10:42:47

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_05.D

Injection Date: 16-Jul-2018 13:24:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-1

Lab Sample ID: 200-44316-1

Client ID: AS-3Q18

Operator ID: pad

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

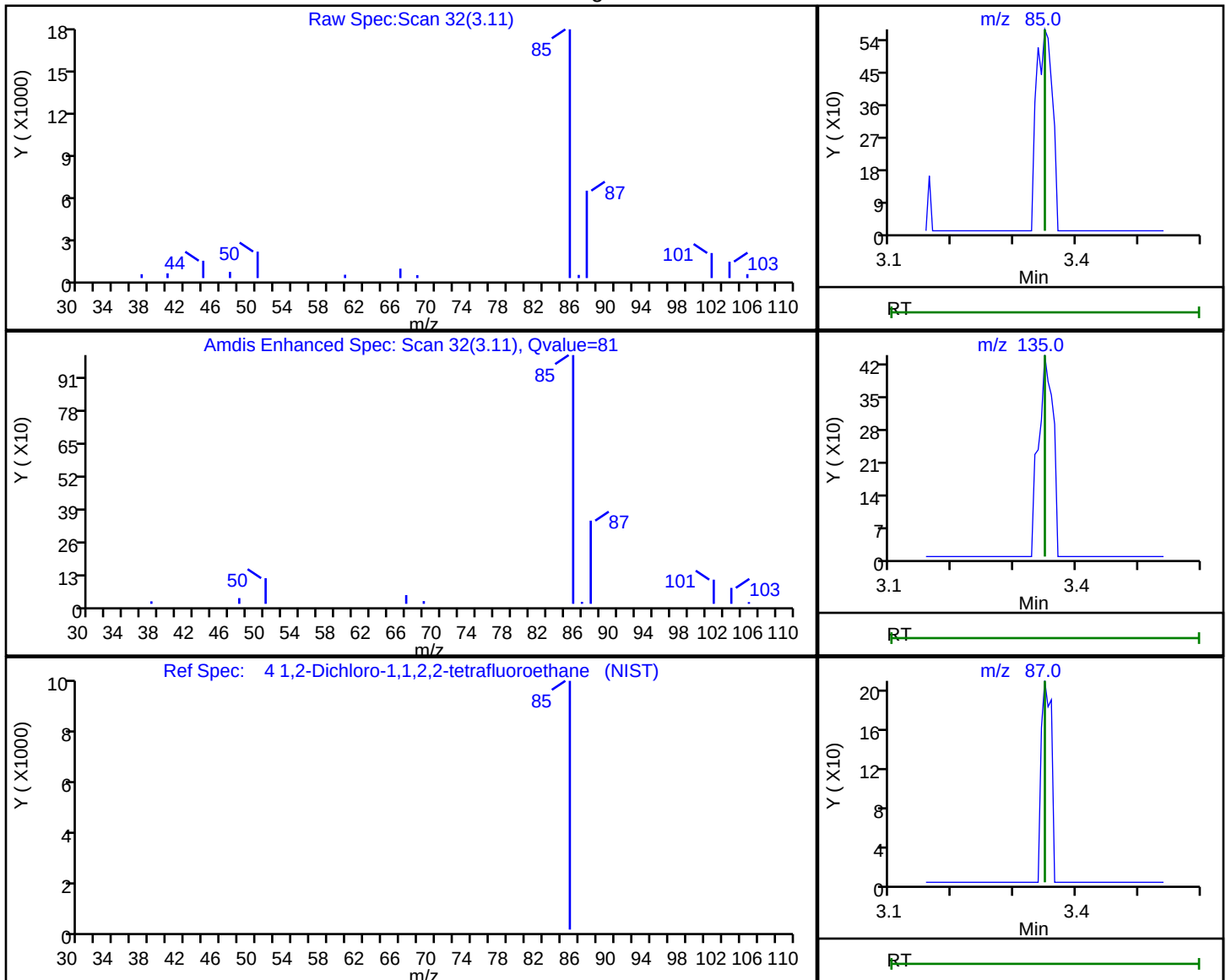
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Processing Results



RT	Mass	Response	Amount
3.11	85.00	26465	0.340352
3.35	135.00	0	
3.11	87.00	8656	

Reviewer: bunmaa, 17-Jul-2018 10:36:44

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_05.D

Injection Date: 16-Jul-2018 13:24:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-1

Lab Sample ID: 200-44316-1

Client ID: AS-3Q18

Operator ID: pad

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

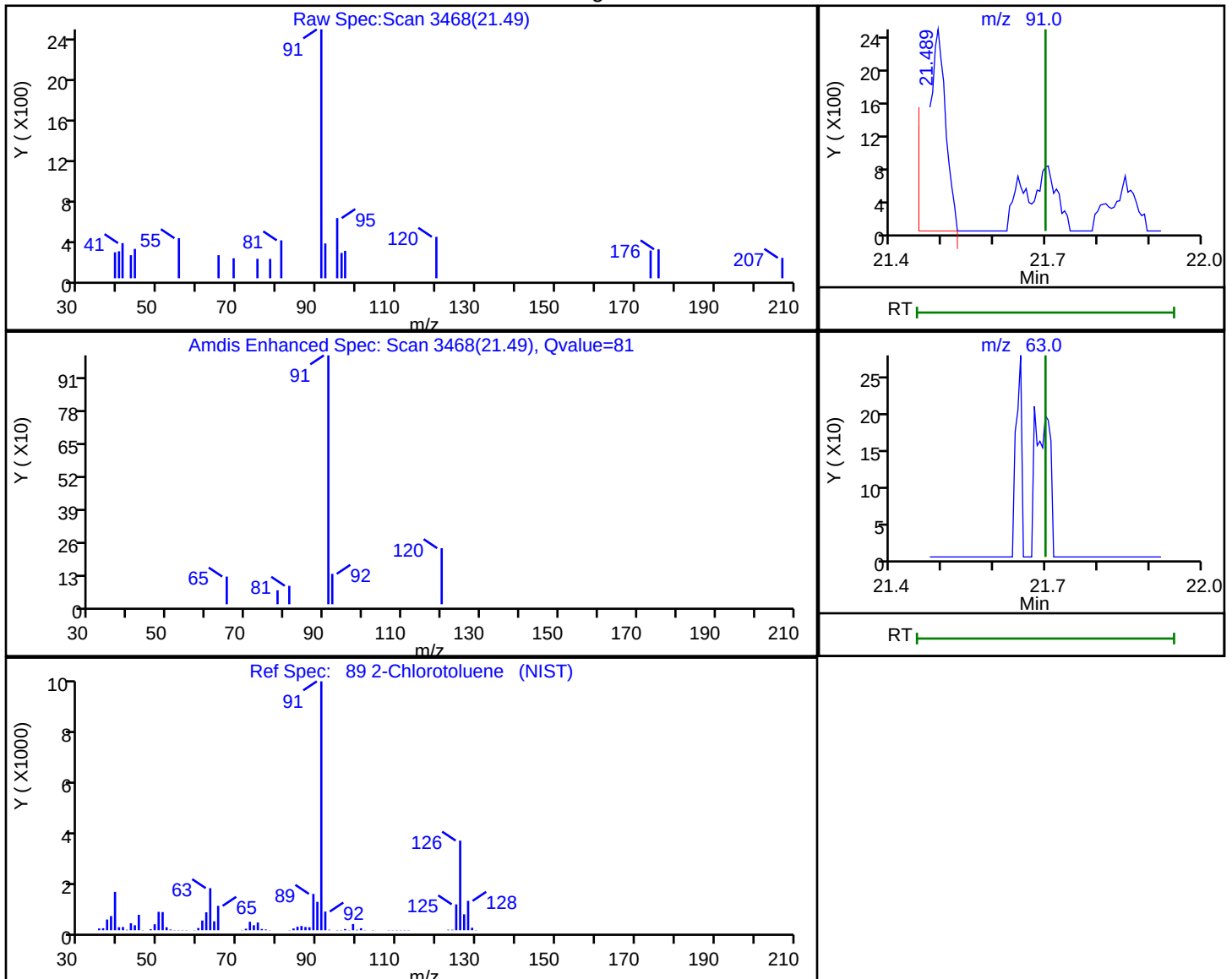
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

89 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
21.49	91.00	5207	0.030681
21.70	63.00	0	

Reviewer: bunmaa, 17-Jul-2018 10:43:38

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_05.D

Injection Date: 16-Jul-2018 13:24:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-1

Lab Sample ID: 200-44316-1

Client ID: AS-3Q18

Operator ID: pad

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

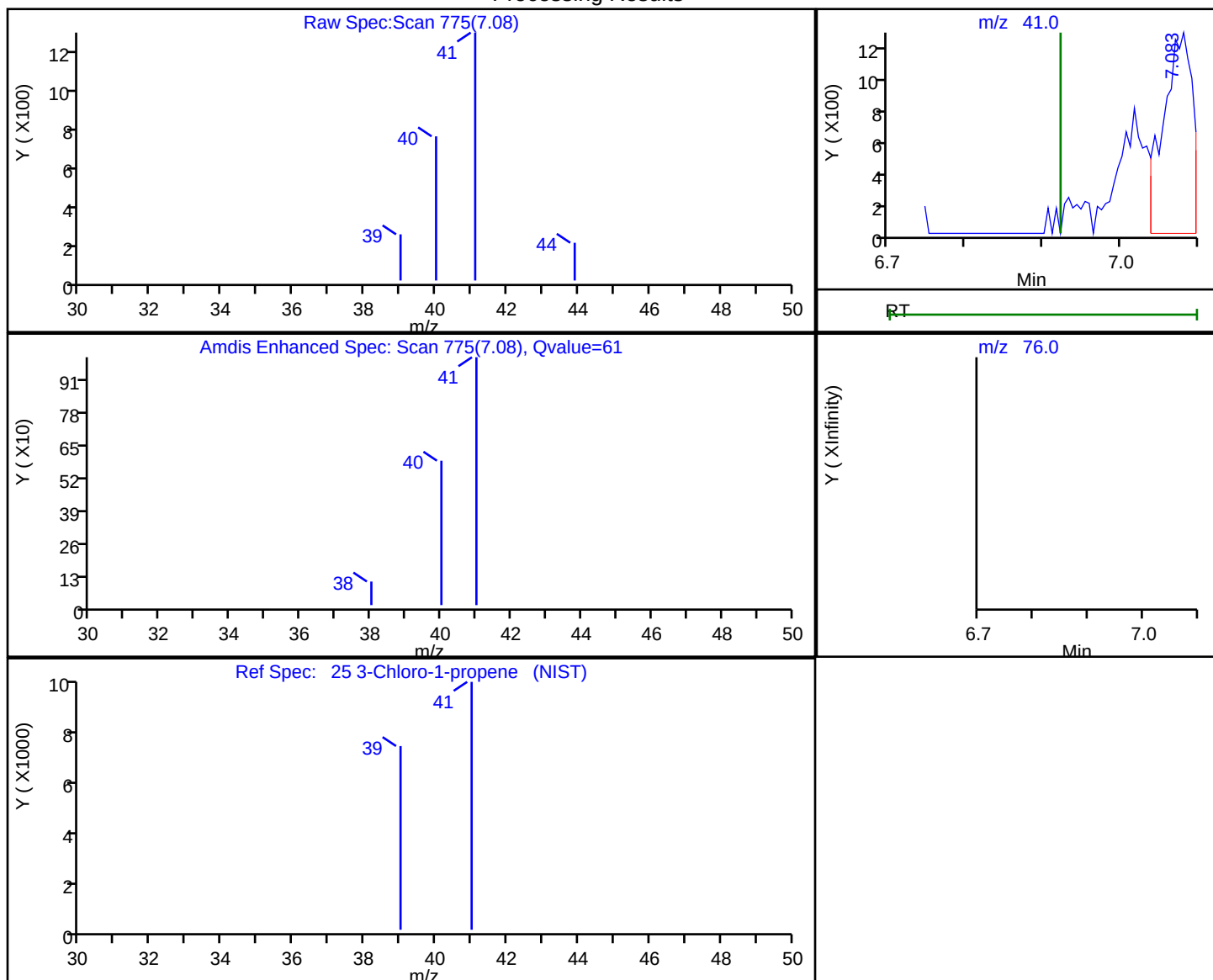
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

25 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
7.08	41.00	3422	0.094607
6.92	76.00	0	

Reviewer: bunmaa, 17-Jul-2018 10:37:29

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

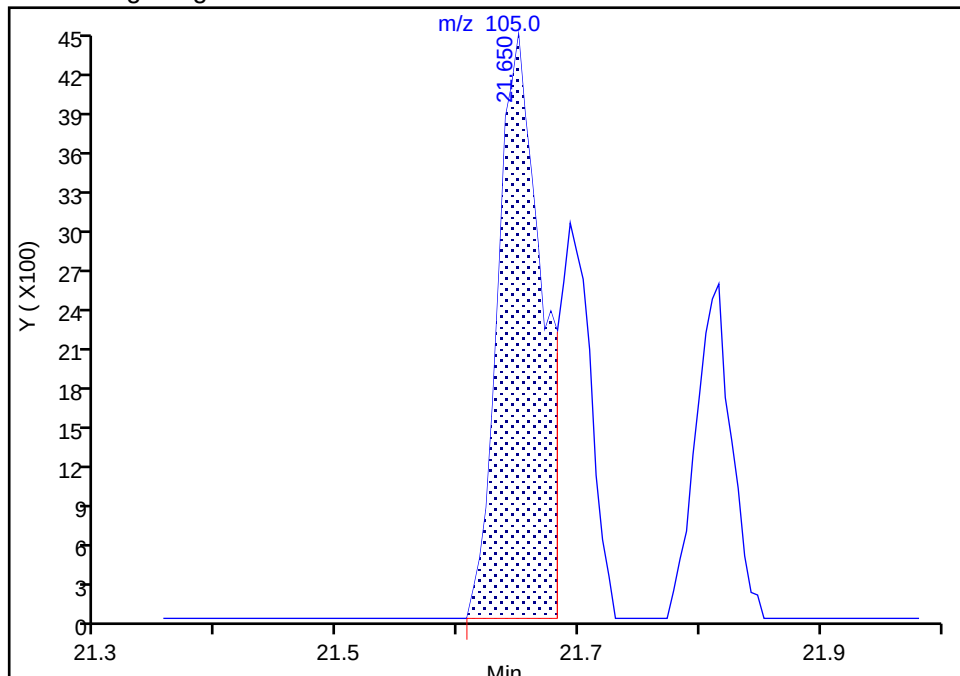
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_05.D		
Injection Date:	16-Jul-2018 13:24:30	Instrument ID:	CHX.i
Lims ID:	200-44316-A-1	Lab Sample ID:	200-44316-1
Client ID:	AS-3Q18		
Operator ID:	pad	ALS Bottle#:	4
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	5

88 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

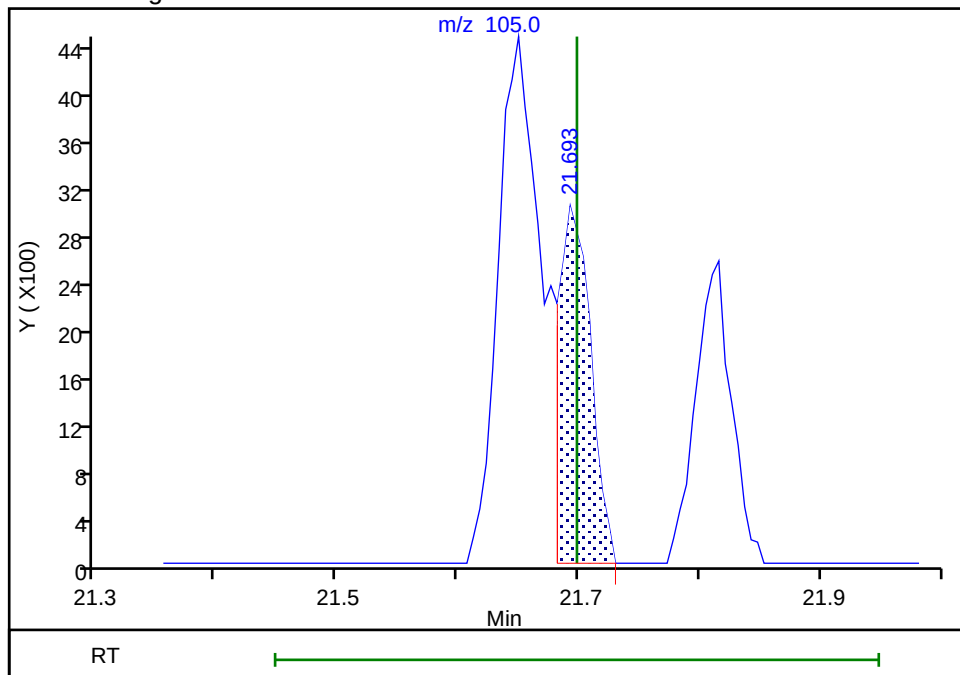
RT: 21.65
Area: 11288
Amount: 0.055786
Amount Units: ppb v/v

Processing Integration Results



RT: 21.69
Area: 5552
Amount: 0.027438
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 17-Jul-2018 10:43:11

Audit Action: Assigned Compound ID

Audit Reason: Assign Peak

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_05.D

Injection Date: 16-Jul-2018 13:24:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-1

Lab Sample ID: 200-44316-1

Client ID: AS-3Q18

Operator ID: pad

ALS Bottle#: 4 Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

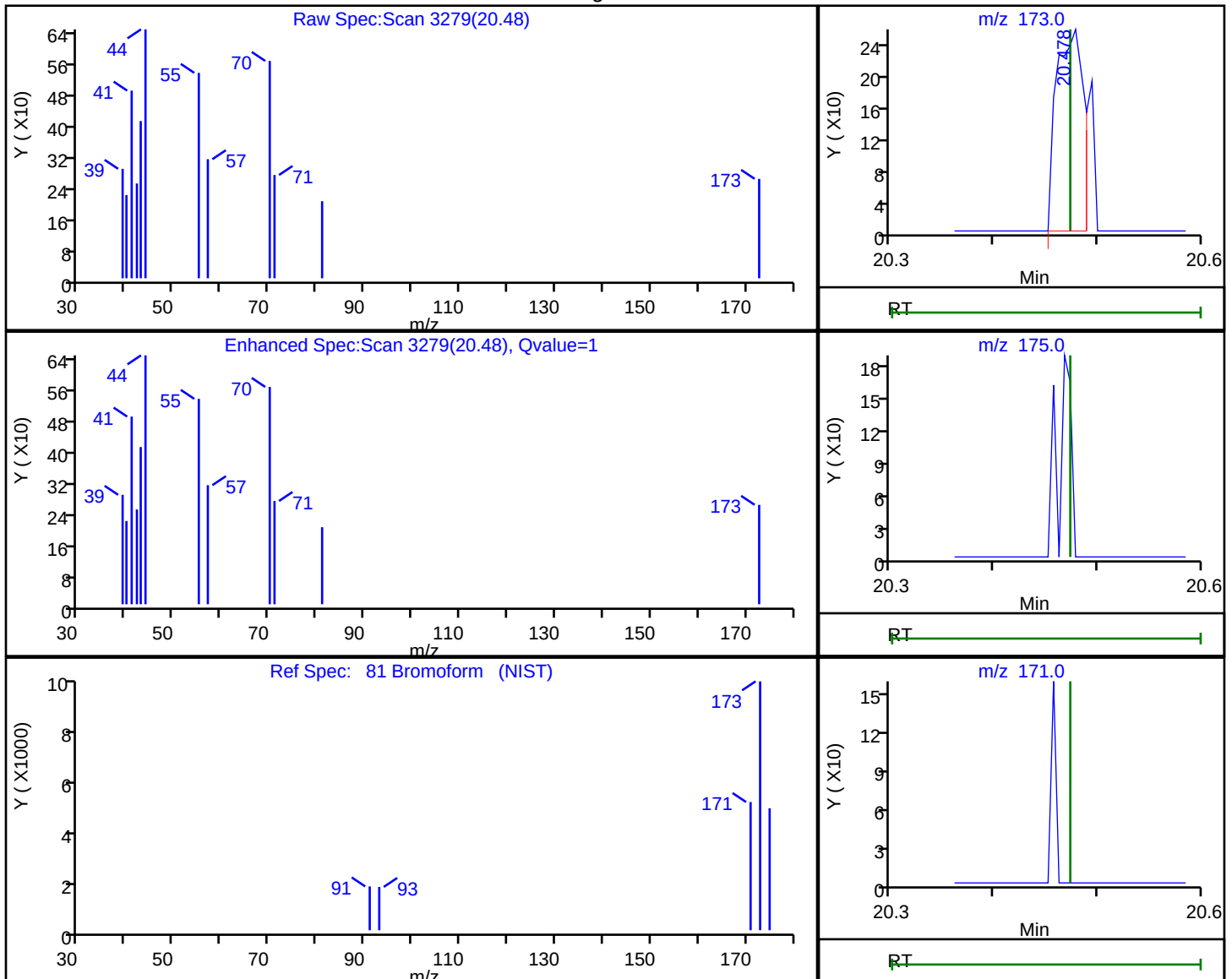
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

81 Bromoform, CAS: 75-25-2

Processing Results



RT	Mass	Response	Amount
20.48	173.00	473	0.005861
20.47	175.00	0	
20.47	171.00	0	

Reviewer: bunmaa, 17-Jul-2018 10:42:19

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

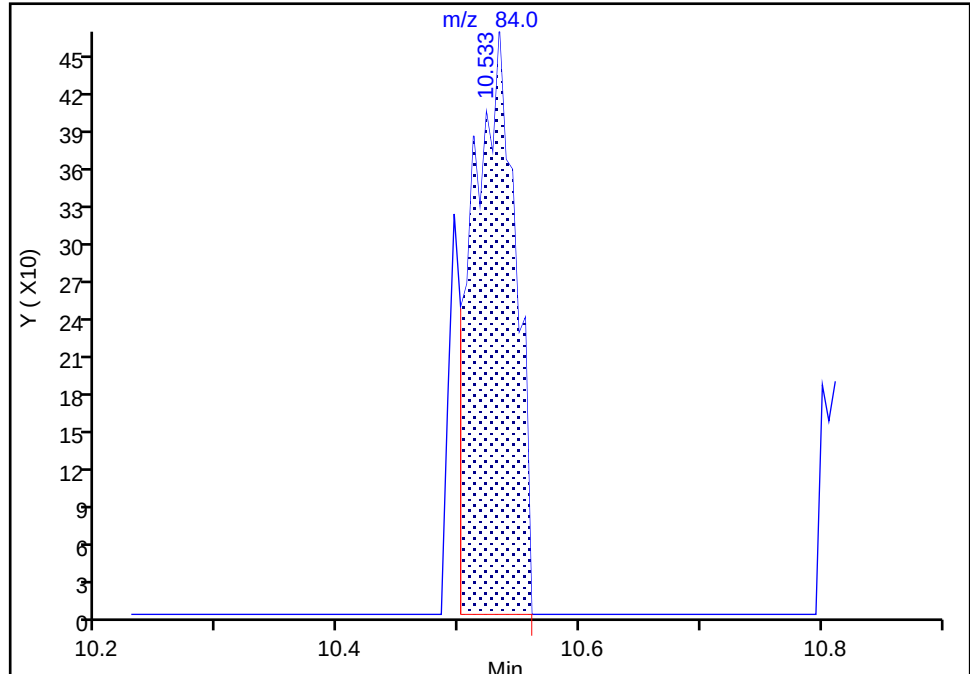
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_05.D		
Injection Date:	16-Jul-2018 13:24:30	Instrument ID:	CHX.i
Lims ID:	200-44316-A-1	Lab Sample ID:	200-44316-1
Client ID:	AS-3Q18		
Operator ID:	pad	ALS Bottle#:	4
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	5

43 Cyclohexane, CAS: 110-82-7

Signal: 1

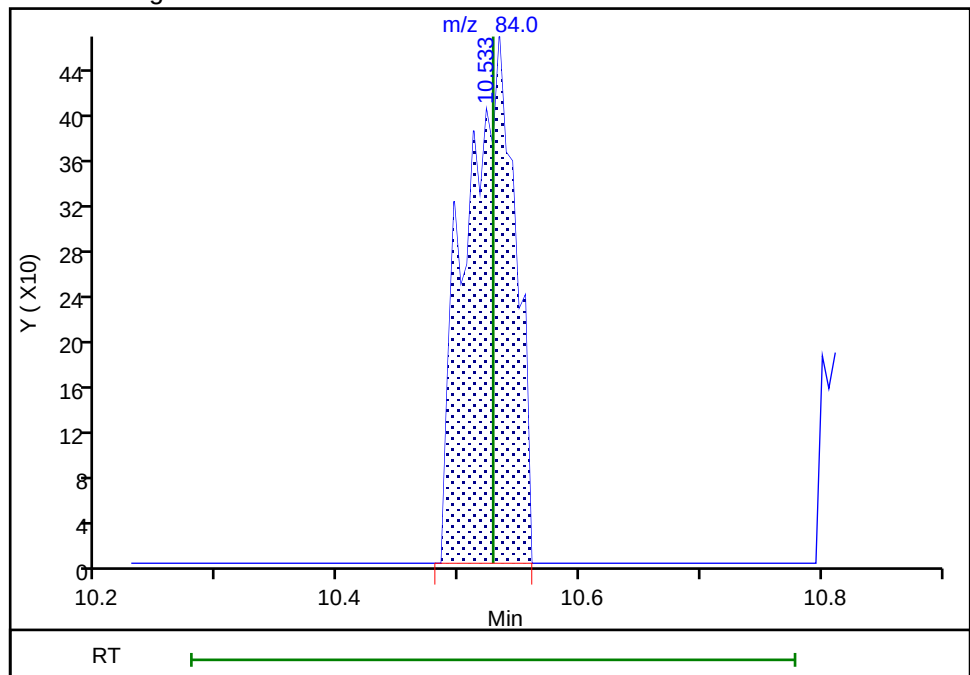
RT: 10.53
Area: 1175
Amount: 0.024432
Amount Units: ppb v/v

Processing Integration Results



RT: 10.53
Area: 1334
Amount: 0.027738
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 17-Jul-2018 10:38:36
Audit Action: Manually Integrated

Audit Reason: Assign Peak
Page 49 of 216

07/24/2018

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_05.D

Injection Date: 16-Jul-2018 13:24:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-1

Lab Sample ID: 200-44316-1

Client ID: AS-3Q18

Operator ID: pad

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

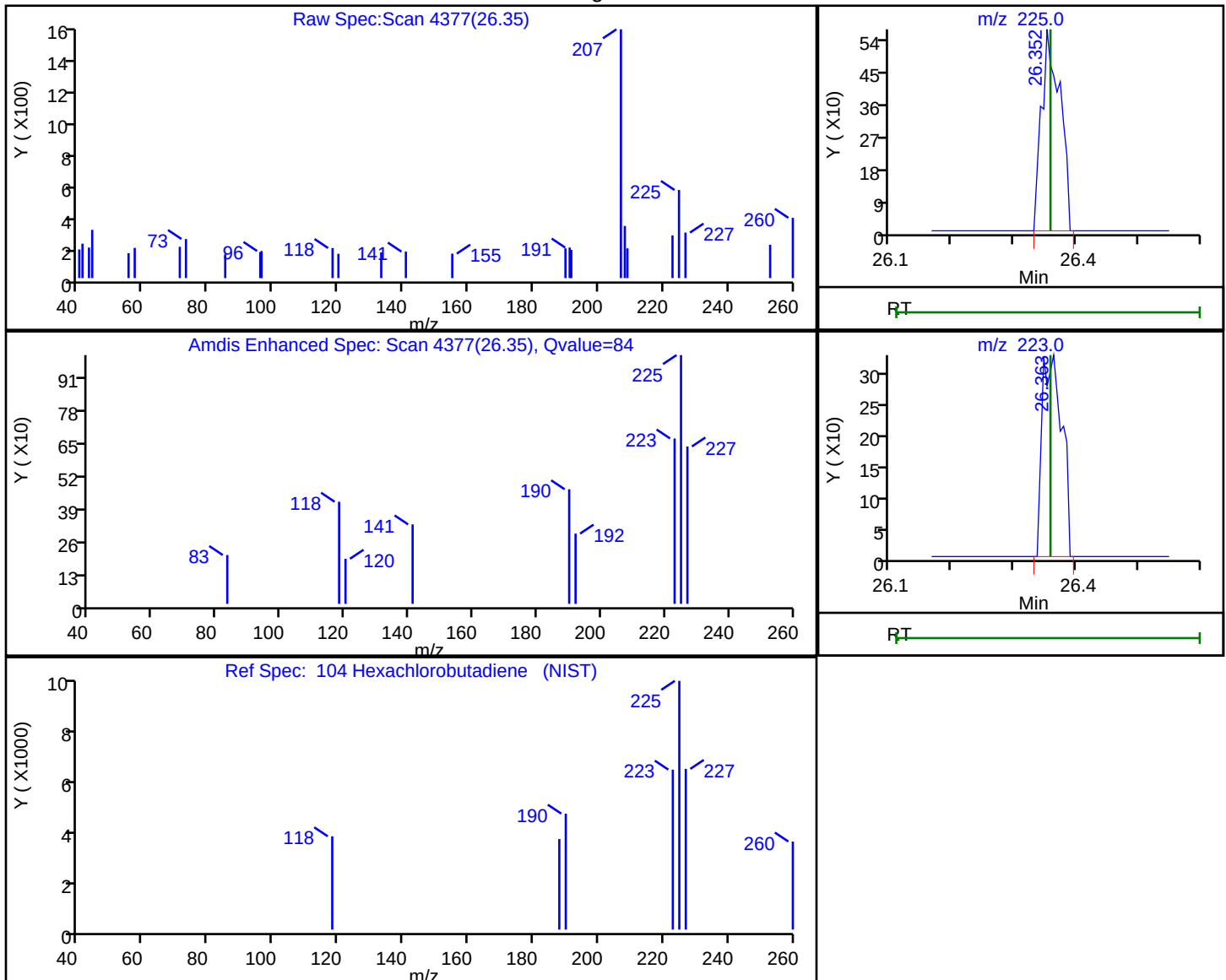
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

104 Hexachlorobutadiene, CAS: 87-68-3

Processing Results



RT	Mass	Response	Amount
26.35	225.00	1174	0.015485
26.36	223.00	715	

Reviewer: bunmaa, 17-Jul-2018 10:44:13

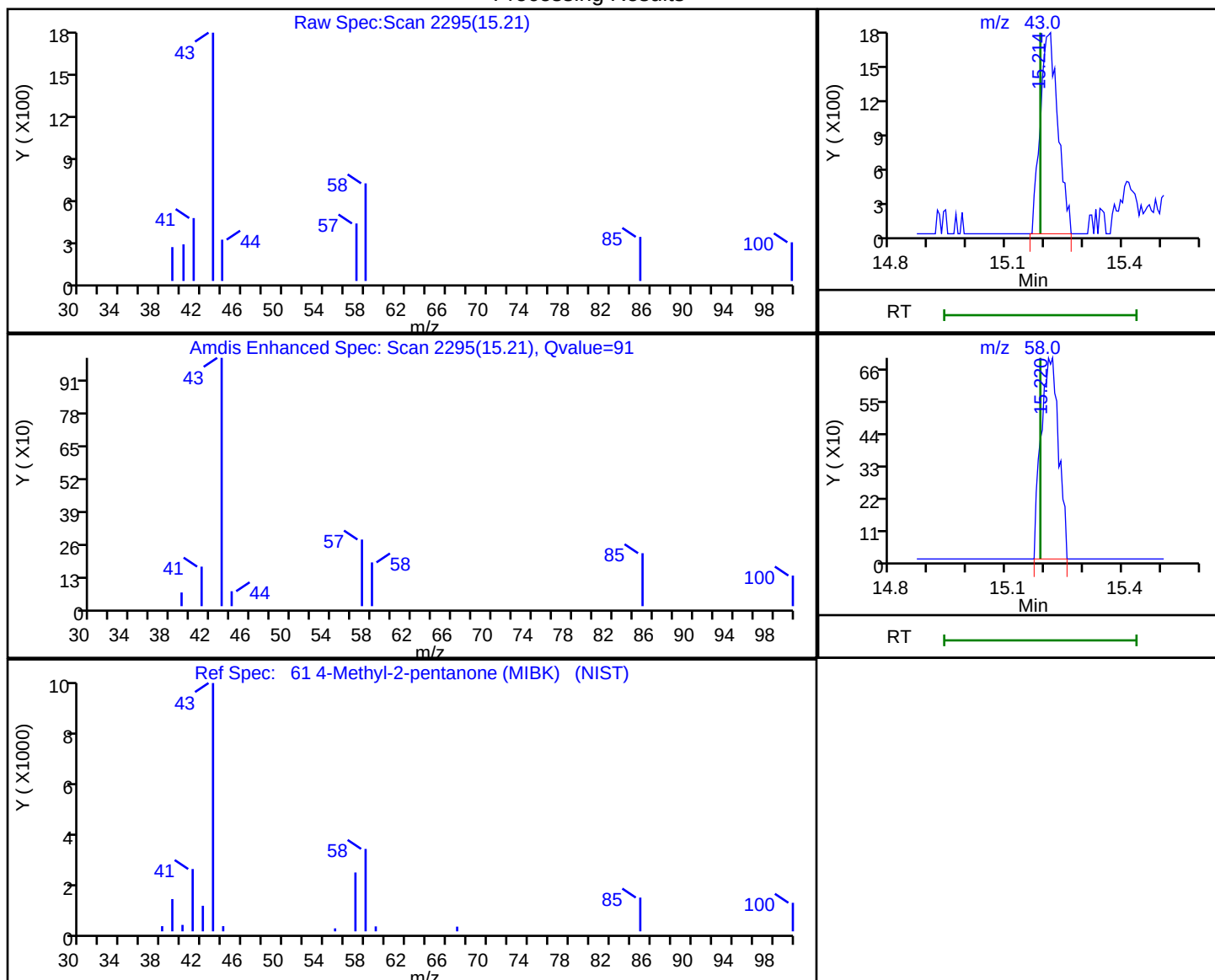
Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Data File:	\\ChromNA\\Burlington\\ChromData\\CHX.i\\20180716-31373.b\\31373_05.D		
Injection Date:	16-Jul-2018 13:24:30	Instrument ID:	CHX.i
Lims ID:	200-44316-A-1	Lab Sample ID:	200-44316-1
Client ID:	AS-3Q18		
Operator ID:	pad	ALS Bottle#:	4 Wo
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN

ALS Bottle#:	4	Worklist Smp#:	5
Dil. Factor:	10.0000		
Limit Group:	AI_TO15_ICAL		
Detector	MS SCAN		

Processing Results



RT	Mass	Response	Amount
15.21	43.00	5435	0.064580
15.22	58.00	2191	

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

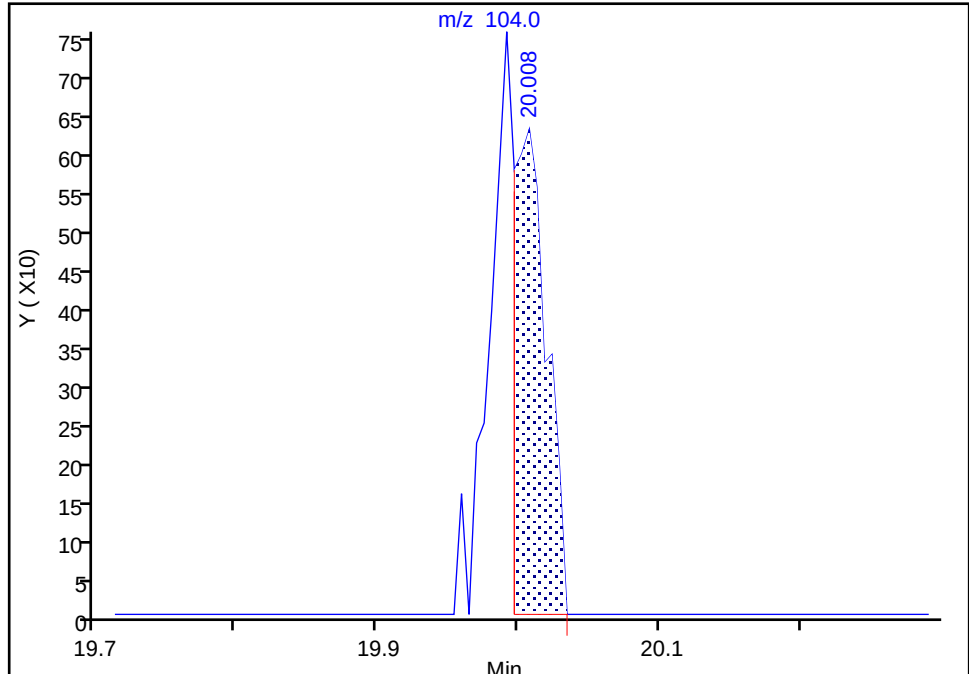
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_05.D		
Injection Date:	16-Jul-2018 13:24:30	Instrument ID:	CHX.i
Lims ID:	200-44316-A-1	Lab Sample ID:	200-44316-1
Client ID:	AS-3Q18		
Operator ID:	pad	ALS Bottle#:	4
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	5

80 Styrene, CAS: 100-42-5

Signal: 1

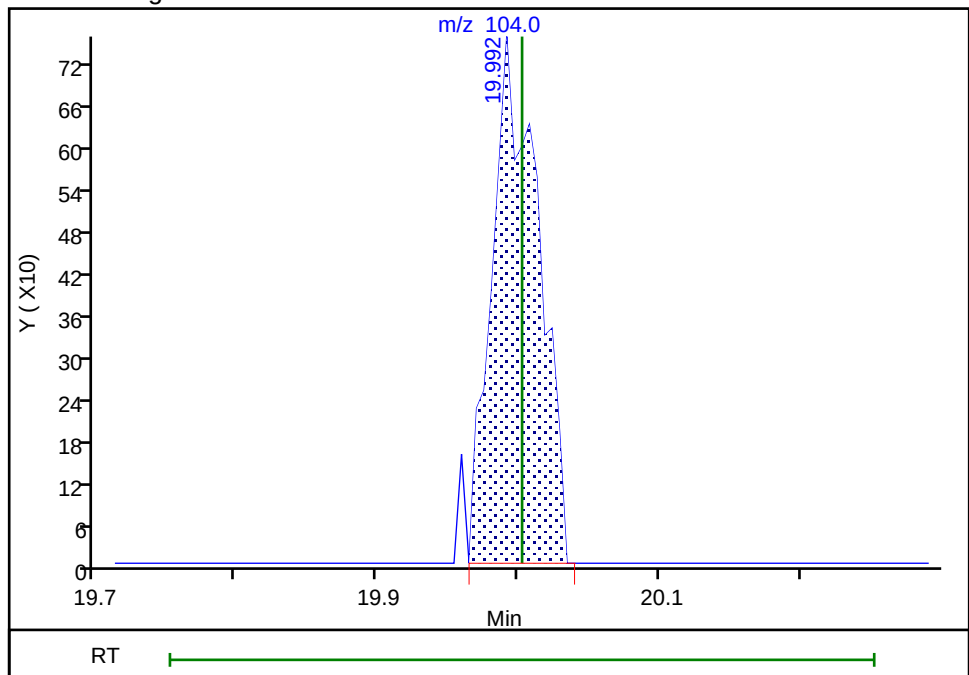
RT: 20.01
Area: 1034
Amount: 0.009393
Amount Units: ppb v/v

Processing Integration Results



RT: 19.99
Area: 1740
Amount: 0.015807
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 17-Jul-2018 10:41:49
Audit Action: Manually Integrated

Audit Reason: Assign Peak
Page 52 of 216

07/24/2018

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_05.D

Injection Date: 16-Jul-2018 13:24:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-1

Lab Sample ID: 200-44316-1

Client ID: AS-3Q18

Operator ID: pad

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

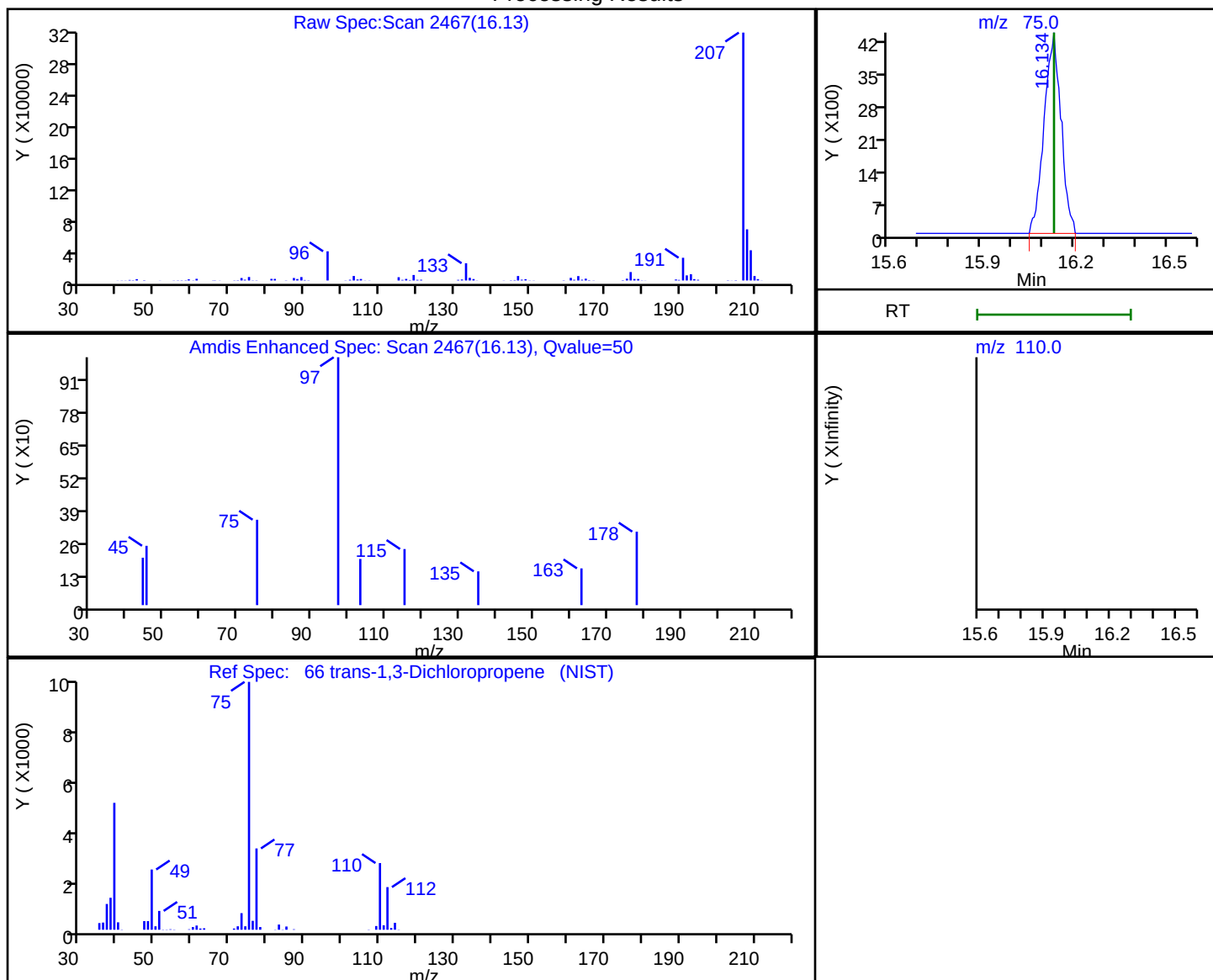
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
16.13	75.00	16701	0.261373
16.13	110.00	0	

Reviewer: bunmaa, 17-Jul-2018 10:40:20

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

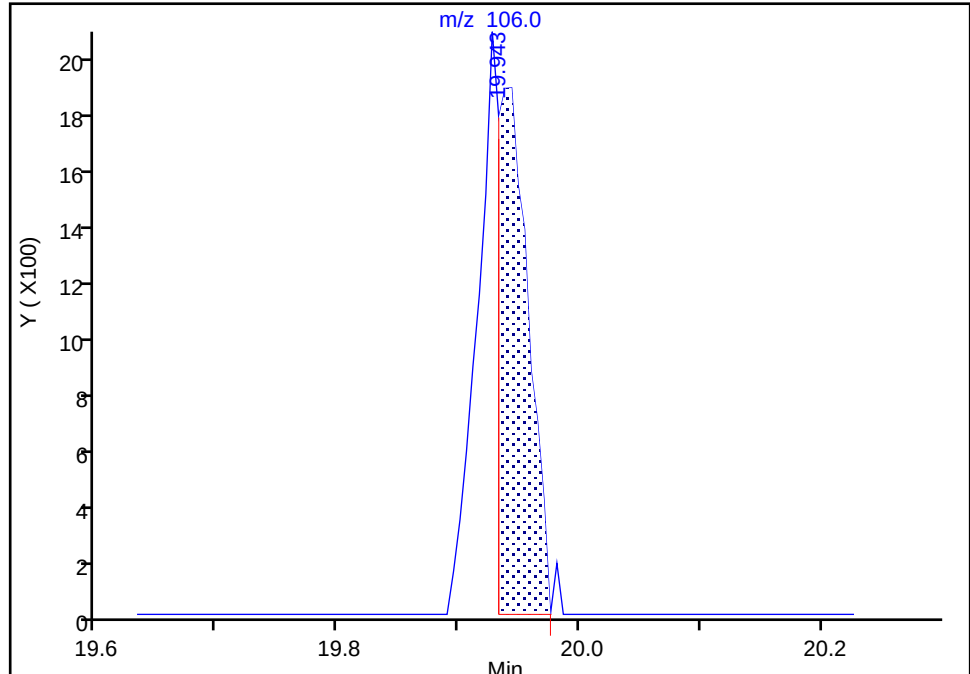
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_05.D		
Injection Date:	16-Jul-2018 13:24:30	Instrument ID:	CHX.i
Lims ID:	200-44316-A-1	Lab Sample ID:	200-44316-1
Client ID:	AS-3Q18		
Operator ID:	pad	ALS Bottle#:	4
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	5

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

Signal: 1

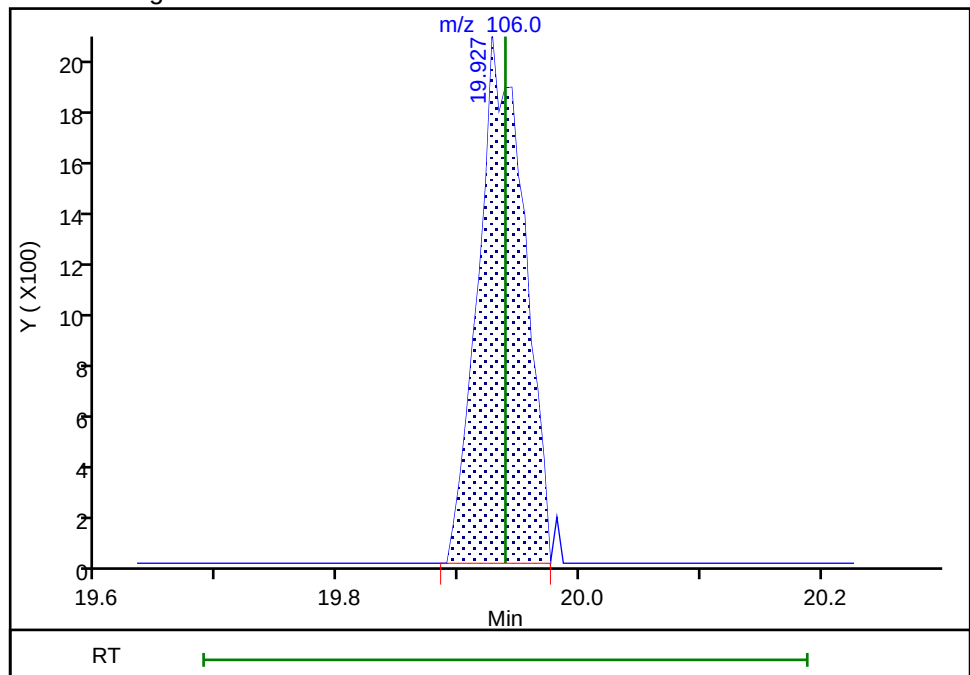
RT: 19.94
Area: 3281
Amount: 0.048497
Amount Units: ppb v/v

Processing Integration Results



RT: 19.93
Area: 5386
Amount: 0.079612
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 17-Jul-2018 10:41:22
Audit Action: Manually Integrated

Audit Reason: Assign Peak
Page 54 of 216

07/24/2018

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

Lab Name: TestAmerica Burlington Job No.: 200-44316-1
 SDG No.: _____
 Client Sample ID: LRP-3Q18 Lab Sample ID: 200-44316-2
 Matrix: Air Lab File ID: 31373_06.D
 Analysis Method: TO-15 Date Collected: 07/12/2018 08:11
 Sample wt/vol: 20 (mL) Date Analyzed: 07/16/2018 14:14
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 131805 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	2.0	U	2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.0	U	2.0	2.0
79-00-5	1,1,2-Trichloroethane	133.41	2.0	U	2.0	2.0
75-34-3	1,1-Dichloroethane	98.96	2.0	U	2.0	2.0
75-35-4	1,1-Dichloroethene	96.94	2.0	U	2.0	2.0
120-82-1	1,2,4-Trichlorobenzene	181.45	5.0	U	5.0	5.0
95-63-6	1,2,4-Trimethylbenzene	120.20	2.0	U	2.0	2.0
106-93-4	1,2-Dibromoethane	187.87	2.0	U	2.0	2.0
95-50-1	1,2-Dichlorobenzene	147.00	2.0	U	2.0	2.0
107-06-2	1,2-Dichloroethane	98.96	2.0	U	2.0	2.0
540-59-0	1,2-Dichloroethene, Total	96.94	150		4.0	4.0
78-87-5	1,2-Dichloropropane	112.99	2.0	U	2.0	2.0
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.0	U	2.0	2.0
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0	U	2.0	2.0
106-99-0	1,3-Butadiene	54.09	2.0	U	2.0	2.0
541-73-1	1,3-Dichlorobenzene	147.00	2.0	U	2.0	2.0
106-46-7	1,4-Dichlorobenzene	147.00	2.0	U	2.0	2.0
123-91-1	1,4-Dioxane	88.11	50	U	50	50
540-84-1	2,2,4-Trimethylpentane	114.23	2.0	U	2.0	2.0
95-49-8	2-Chlorotoluene	126.59	2.0	U	2.0	2.0
107-05-1	3-Chloropropene	76.53	5.0	U	5.0	5.0
622-96-8	4-Ethyltoluene	120.20	2.0	U	2.0	2.0
67-64-1	Acetone	58.08	50	U	50	50
71-43-2	Benzene	78.11	2.0	U	2.0	2.0
75-27-4	Bromodichloromethane	163.83	2.0	U	2.0	2.0
593-60-2	Bromoethene (Vinyl Bromide)	106.96	2.0	U	2.0	2.0
75-25-2	Bromoform	252.75	2.0	U	2.0	2.0
74-83-9	Bromomethane	94.94	2.0	U	2.0	2.0
75-15-0	Carbon disulfide	76.14	5.0	U	5.0	5.0
56-23-5	Carbon tetrachloride	153.81	2.0	U	2.0	2.0
108-90-7	Chlorobenzene	112.56	2.0	U	2.0	2.0
75-00-3	Chloroethane	64.52	5.0	U	5.0	5.0
67-66-3	Chloroform	119.38	2.0	U	2.0	2.0

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

Lab Name: TestAmerica Burlington Job No.: 200-44316-1
 SDG No.: _____
 Client Sample ID: LRP-3Q18 Lab Sample ID: 200-44316-2
 Matrix: Air Lab File ID: 31373_06.D
 Analysis Method: TO-15 Date Collected: 07/12/2018 08:11
 Sample wt/vol: 20 (mL) Date Analyzed: 07/16/2018 14:14
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 131805 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	5.0	U	5.0	5.0
156-59-2	cis-1,2-Dichloroethene	96.94	150		2.0	2.0
10061-01-5	cis-1,3-Dichloropropene	110.97	2.0	U	2.0	2.0
110-82-7	Cyclohexane	84.16	2.0	U	2.0	2.0
124-48-1	Dibromochloromethane	208.29	2.0	U	2.0	2.0
75-71-8	Dichlorodifluoromethane	120.91	5.0	U	5.0	5.0
100-41-4	Ethylbenzene	106.17	2.0	U	2.0	2.0
76-13-1	Freon TF	187.38	2.0	U	2.0	2.0
87-68-3	Hexachlorobutadiene	260.76	2.0	U	2.0	2.0
67-63-0	Isopropyl alcohol	60.10	50	U	50	50
179601-23-1	m,p-Xylene	106.17	5.0	U	5.0	5.0
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	72.11	5.0	U	5.0	5.0
108-10-1	methyl isobutyl ketone	100.16	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	88.15	2.0	U	2.0	2.0
75-09-2	Methylene Chloride	84.93	5.0	U	5.0	5.0
142-82-5	n-Heptane	100.21	2.0	U	2.0	2.0
110-54-3	n-Hexane	86.17	2.0	U	2.0	2.0
100-42-5	Styrene	104.15	2.0	U	2.0	2.0
75-65-0	tert-Butyl alcohol	74.12	50	U	50	50
127-18-4	Tetrachloroethene	165.83	2.0	U	2.0	2.0
109-99-9	Tetrahydrofuran	72.11	50	U	50	50
108-88-3	Toluene	92.14	2.0	U	2.0	2.0
156-60-5	trans-1,2-Dichloroethene	96.94	2.0	U	2.0	2.0
10061-02-6	trans-1,3-Dichloropropene	110.97	2.0	U	2.0	2.0
79-01-6	Trichloroethene	131.39	2.0	U	2.0	2.0
75-69-4	Trichlorofluoromethane	137.37	2.0	U	2.0	2.0
75-01-4	Vinyl chloride	62.50	94		2.0	2.0
1330-20-7	Xylene (total)	106.17	7.0	U	7.0	7.0
95-47-6	Xylene, o-	106.17	2.0	U	2.0	2.0

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

Lab Name: TestAmerica Burlington Job No.: 200-44316-1

SDG No.: _____

Client Sample ID: LRP-3Q18 Lab Sample ID: 200-44316-2

Matrix: Air Lab File ID: 31373_06.D

Analysis Method: TO-15 Date Collected: 07/12/2018 08:11

Sample wt/vol: 20 (mL) Date Analyzed: 07/16/2018 14:14

Soil Aliquot Vol: _____ Dilution Factor: 10

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

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

Analysis Batch No.: 131805 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	11	U	11	11
79-34-5	1,1,2,2-Tetrachloroethane	167.85	14	U	14	14
79-00-5	1,1,2-Trichloroethane	133.41	11	U	11	11
75-34-3	1,1-Dichloroethane	98.96	8.1	U	8.1	8.1
75-35-4	1,1-Dichloroethene	96.94	7.9	U	7.9	7.9
120-82-1	1,2,4-Trichlorobenzene	181.45	37	U	37	37
95-63-6	1,2,4-Trimethylbenzene	120.20	9.8	U	9.8	9.8
106-93-4	1,2-Dibromoethane	187.87	15	U	15	15
95-50-1	1,2-Dichlorobenzene	147.00	12	U	12	12
107-06-2	1,2-Dichloroethane	98.96	8.1	U	8.1	8.1
540-59-0	1,2-Dichloroethene, Total	96.94	590		16	16
78-87-5	1,2-Dichloropropane	112.99	9.2	U	9.2	9.2
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	14	U	14	14
108-67-8	1,3,5-Trimethylbenzene	120.20	9.8	U	9.8	9.8
106-99-0	1,3-Butadiene	54.09	4.4	U	4.4	4.4
541-73-1	1,3-Dichlorobenzene	147.00	12	U	12	12
106-46-7	1,4-Dichlorobenzene	147.00	12	U	12	12
123-91-1	1,4-Dioxane	88.11	180	U	180	180
540-84-1	2,2,4-Trimethylpentane	114.23	9.3	U	9.3	9.3
95-49-8	2-Chlorotoluene	126.59	10	U	10	10
107-05-1	3-Chloropropene	76.53	16	U	16	16
622-96-8	4-Ethyltoluene	120.20	9.8	U	9.8	9.8
67-64-1	Acetone	58.08	120	U	120	120
71-43-2	Benzene	78.11	6.4	U	6.4	6.4
75-27-4	Bromodichloromethane	163.83	13	U	13	13
593-60-2	Bromoethene (Vinyl Bromide)	106.96	8.7	U	8.7	8.7
75-25-2	Bromoform	252.75	21	U	21	21
74-83-9	Bromomethane	94.94	7.8	U	7.8	7.8
75-15-0	Carbon disulfide	76.14	16	U	16	16
56-23-5	Carbon tetrachloride	153.81	13	U	13	13
108-90-7	Chlorobenzene	112.56	9.2	U	9.2	9.2
75-00-3	Chloroethane	64.52	13	U	13	13
67-66-3	Chloroform	119.38	9.8	U	9.8	9.8

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

Lab Name: TestAmerica Burlington Job No.: 200-44316-1
 SDG No.: _____
 Client Sample ID: LRP-3Q18 Lab Sample ID: 200-44316-2
 Matrix: Air Lab File ID: 31373_06.D
 Analysis Method: TO-15 Date Collected: 07/12/2018 08:11
 Sample wt/vol: 20 (mL) Date Analyzed: 07/16/2018 14:14
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 131805 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	10	U	10	10
156-59-2	cis-1,2-Dichloroethene	96.94	600		7.9	7.9
10061-01-5	cis-1,3-Dichloropropene	110.97	9.1	U	9.1	9.1
110-82-7	Cyclohexane	84.16	6.9	U	6.9	6.9
124-48-1	Dibromochloromethane	208.29	17	U	17	17
75-71-8	Dichlorodifluoromethane	120.91	25	U	25	25
100-41-4	Ethylbenzene	106.17	8.7	U	8.7	8.7
76-13-1	Freon TF	187.38	15	U	15	15
87-68-3	Hexachlorobutadiene	260.76	21	U	21	21
67-63-0	Isopropyl alcohol	60.10	120	U	120	120
179601-23-1	m,p-Xylene	106.17	22	U	22	22
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	20	U	20	20
78-93-3	Methyl Ethyl Ketone	72.11	15	U	15	15
108-10-1	methyl isobutyl ketone	100.16	20	U	20	20
1634-04-4	Methyl tert-butyl ether	88.15	7.2	U	7.2	7.2
75-09-2	Methylene Chloride	84.93	17	U	17	17
142-82-5	n-Heptane	100.21	8.2	U	8.2	8.2
110-54-3	n-Hexane	86.17	7.0	U	7.0	7.0
100-42-5	Styrene	104.15	8.5	U	8.5	8.5
75-65-0	tert-Butyl alcohol	74.12	150	U	150	150
127-18-4	Tetrachloroethene	165.83	14	U	14	14
109-99-9	Tetrahydrofuran	72.11	150	U	150	150
108-88-3	Toluene	92.14	7.5	U	7.5	7.5
156-60-5	trans-1,2-Dichloroethene	96.94	7.9	U	7.9	7.9
10061-02-6	trans-1,3-Dichloropropene	110.97	9.1	U	9.1	9.1
79-01-6	Trichloroethene	131.39	11	U	11	11
75-69-4	Trichlorofluoromethane	137.37	11	U	11	11
75-01-4	Vinyl chloride	62.50	240		5.1	5.1
1330-20-7	Xylene (total)	106.17	30	U	30	30
95-47-6	Xylene, o-	106.17	8.7	U	8.7	8.7

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_06.D
 Lims ID: 200-44316-A-2
 Client ID: LRP-3Q18
 Sample Type: Client
 Inject. Date: 16-Jul-2018 14:14:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 10.0000
 Sample Info: 200-0031373-006
 Operator ID: pad Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Jul-2018 10:53:44 Calib Date: 04-Jul-2018 01:08:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK024

First Level Reviewer: bunmaa

Date: 17-Jul-2018 10:53:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.108	3.106	0.000	97	3023	0.0429	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.349				ND	U
5 Chloromethane	50	3.488	3.481	0.005	93	1277	0.0475	
7 Vinyl chloride	62	3.707	3.705	0.000	98	291122	9.35	
8 Butadiene	54		3.777				ND	
10 Bromomethane	94		4.408				ND	
11 Chloroethane	64	4.633	4.625	0.006	99	7437	0.4786	
13 Vinyl bromide	106		4.991				ND	
14 Trichlorofluoromethane	101		5.082				ND	MUa
20 1,1,2-Trichloro-1,2,2-trif	101		6.099				ND	
21 1,1-Dichloroethene	96	6.157	6.149	0.005	95	1987	0.0635	
22 Acetone	43	6.420	6.441	0.027	96	22525	0.5183	
23 Carbon disulfide	76	6.543	6.539	0.000	94	1460	0.0159	
24 Isopropyl alcohol	45	6.719	6.671	0.048	98	6016	0.1213	
25 3-Chloro-1-propene	41		6.922				ND	
27 Methylene Chloride	49		7.217				ND	Ua
28 2-Methyl-2-propanol	59		7.436				ND	MUa
29 Methyl tert-butyl ether	73		7.613				ND	
31 trans-1,2-Dichloroethene	61	7.650	7.650	0.000	60	2548	0.0545	a
33 Hexane	57		8.024				ND	
34 1,1-Dichloroethane	63	8.533	8.528	0.000	97	8633	0.1467	
S 30 1,2-Dichloroethene, Total	61				0		15.1	
37 cis-1,2-Dichloroethene	96	9.661	9.662	-0.006	93	540321	15.1	
38 2-Butanone (MEK)	72	9.747	9.721	0.021	99	2054	0.1135	
* 40 Chlorobromomethane	128	10.148	10.154	-0.006	91	329597	10.0	
41 Tetrahydrofuran	42		10.159				ND	Ua
42 Chloroform	83		10.287				ND	
43 Cyclohexane	84		10.528				ND	
44 1,1,1-Trichloroethane	97	10.555	10.555	-0.011	85	2143	0.0300	M
45 Carbon tetrachloride	117		10.822				ND	
46 Isooctane	57		11.272				ND	MU
47 Benzene	78	11.315	11.315	-0.006	84	2075	0.0182	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
48 1,2-Dichloroethane	62		11.529				ND	
49 n-Heptane	43		11.689				ND	
* 50 1,4-Difluorobenzene	114	12.224	12.224	0.000	94	1782533	10.0	
53 Trichloroethene	95	12.711	12.711	-0.005	96	6242	0.1245	
54 1,2-Dichloropropane	63		13.315				ND	
56 1,4-Dioxane	88	13.604	13.555	0.043	91	6595	0.2678	
58 Dichlorobromomethane	83		13.898				ND	
60 cis-1,3-Dichloropropene	75		14.877				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.188				ND	Ua
65 Toluene	92	15.493	15.487	0.006	90	4958	0.0602	
66 trans-1,3-Dichloropropene	75		16.135				ND	
67 1,1,2-Trichloroethane	83		16.525				ND	
68 Tetrachloroethene	166		16.616				ND	
69 2-Hexanone	43		17.007				ND	Ua
71 Chlorodibromomethane	129		17.328				ND	
72 Ethylene Dibromide	107		17.606				ND	
* 74 Chlorobenzene-d5	117	18.547	18.553	-0.006	86	1595713	10.0	
75 Chlorobenzene	112		18.617				ND	
76 Ethylbenzene	91		18.777				ND	Ua
78 m-Xylene & p-Xylene	106	19.045	19.045	0.000	0	2621	0.0366	
S 73 Xylenes, Total	106				0		0.0515	
79 o-Xylene	106	19.949	19.949	0.011	91	1021	0.0149	M
80 Styrene	104		20.002				ND	
81 Bromoform	173		20.473				ND	
84 1,1,2,2-Tetrachloroethane	83		21.431				ND	
88 4-Ethyltoluene	105		21.698				ND	Ua
89 2-Chlorotoluene	91		21.698				ND	
90 1,3,5-Trimethylbenzene	105		21.811				ND	Ua
93 1,2,4-Trimethylbenzene	105	22.437	22.437	0.000	93	3022	0.0180	
96 1,3-Dichlorobenzene	146	22.923	22.934	0.005	96	3601	0.0310	
97 1,4-Dichlorobenzene	146		23.062				ND	Ua
101 1,2-Dichlorobenzene	146	23.613	23.613	-0.001	92	1342	0.0122	
103 1,2,4-Trichlorobenzene	180		26.171				ND	Ua
104 Hexachlorobutadiene	225		26.358				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_06.D

Injection Date: 16-Jul-2018 14:14:30

Instrument ID: CHX.i

Operator ID: pad

Lims ID: 200-44316-A-2

Lab Sample ID: 200-44316-2

Worklist Smp#: 6

Client ID: LRP-3Q18

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

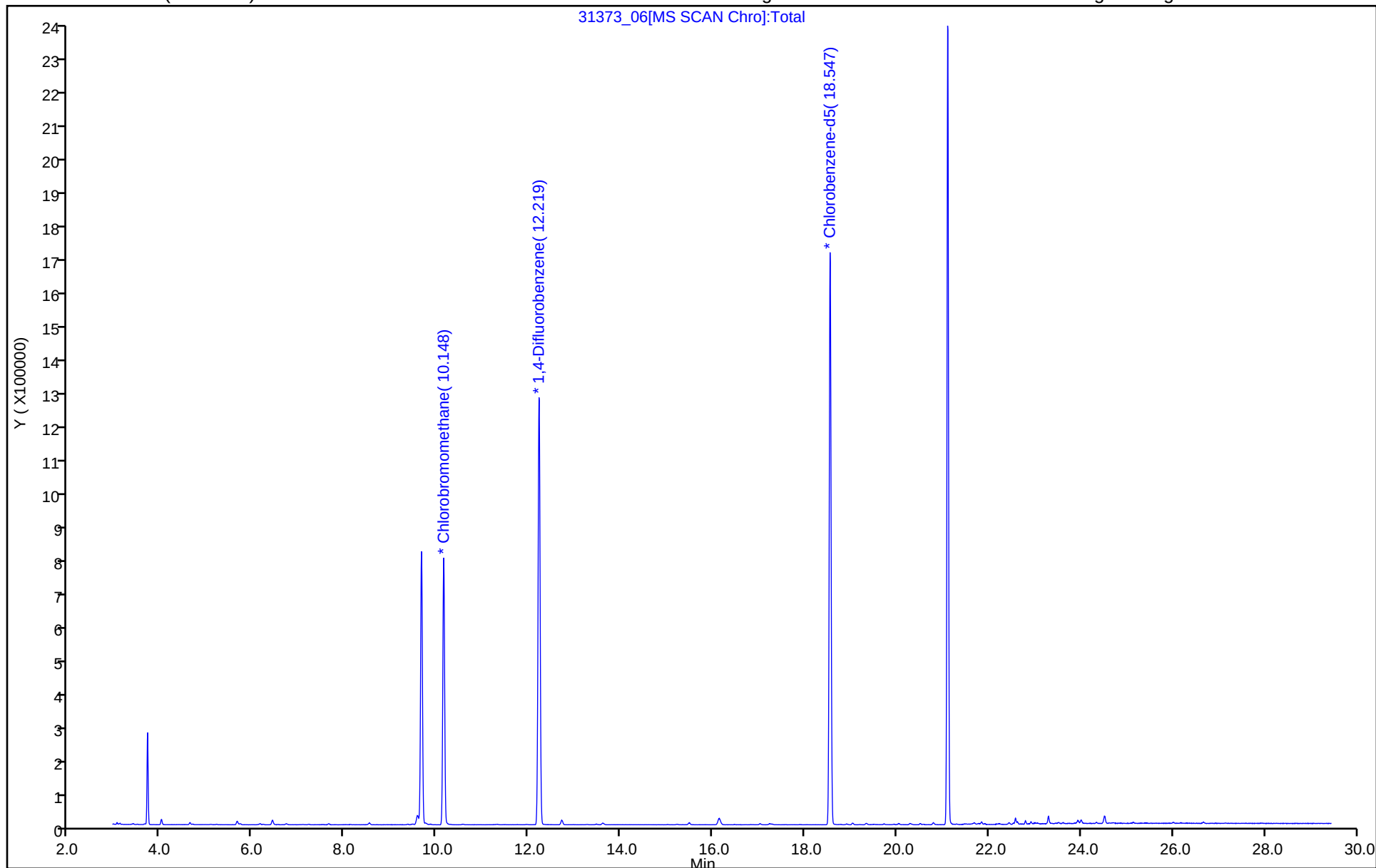
ALS Bottle#: 5

Method: TO15_MasterMethod_X.m

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\CHX.i\20180716-31373.b\31373_06.D

Injection Date: 16-Jul-2018 14:14:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-2

Lab Sample ID: 200-44316-2

Client ID: LRP-3Q18

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 6

Purge Vol: 200.000 mL

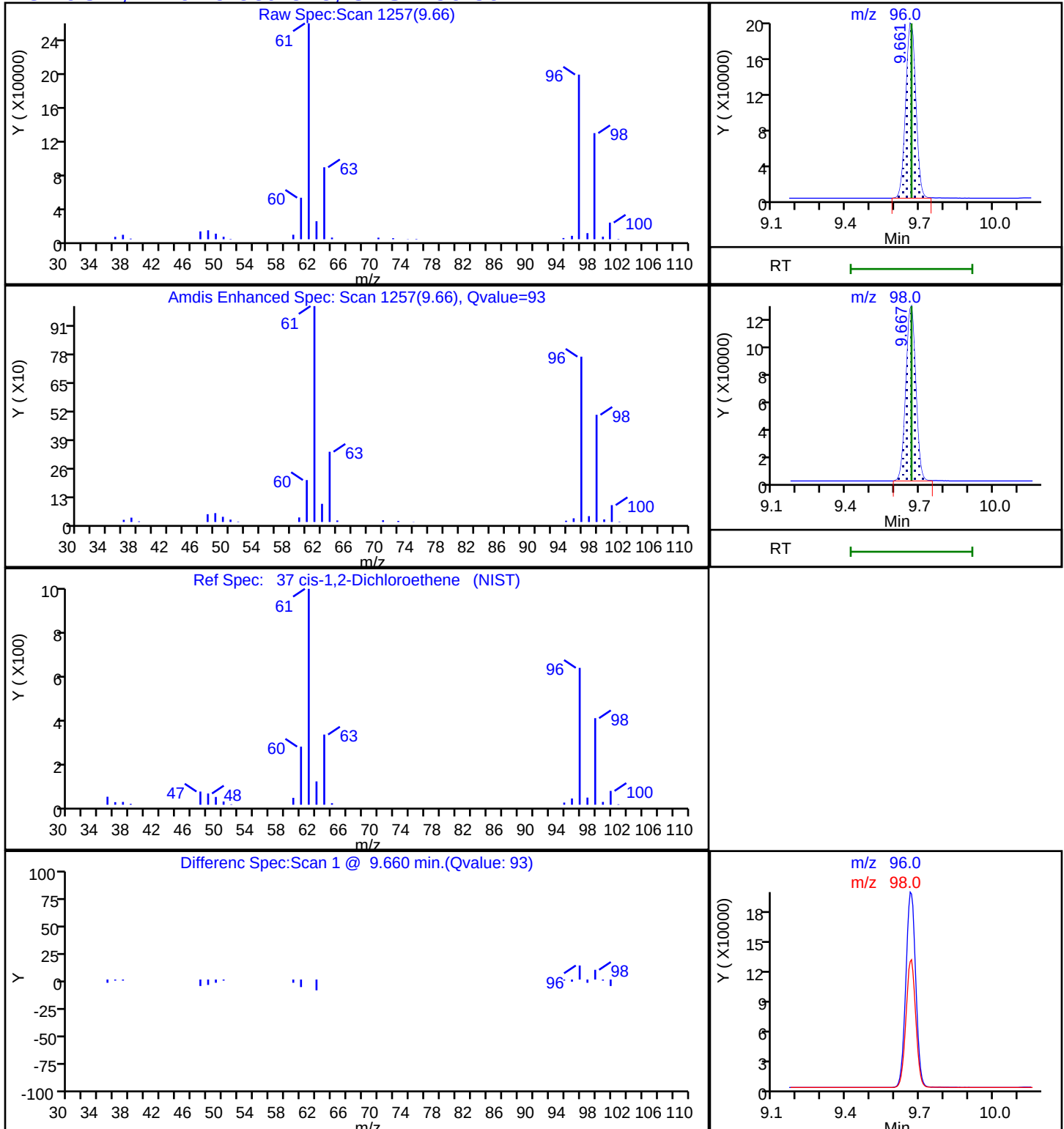
Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

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\CHX.i\20180716-31373.b\31373_06.D

Injection Date: 16-Jul-2018 14:14:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-2

Lab Sample ID: 200-44316-2

Client ID: LRP-3Q18

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

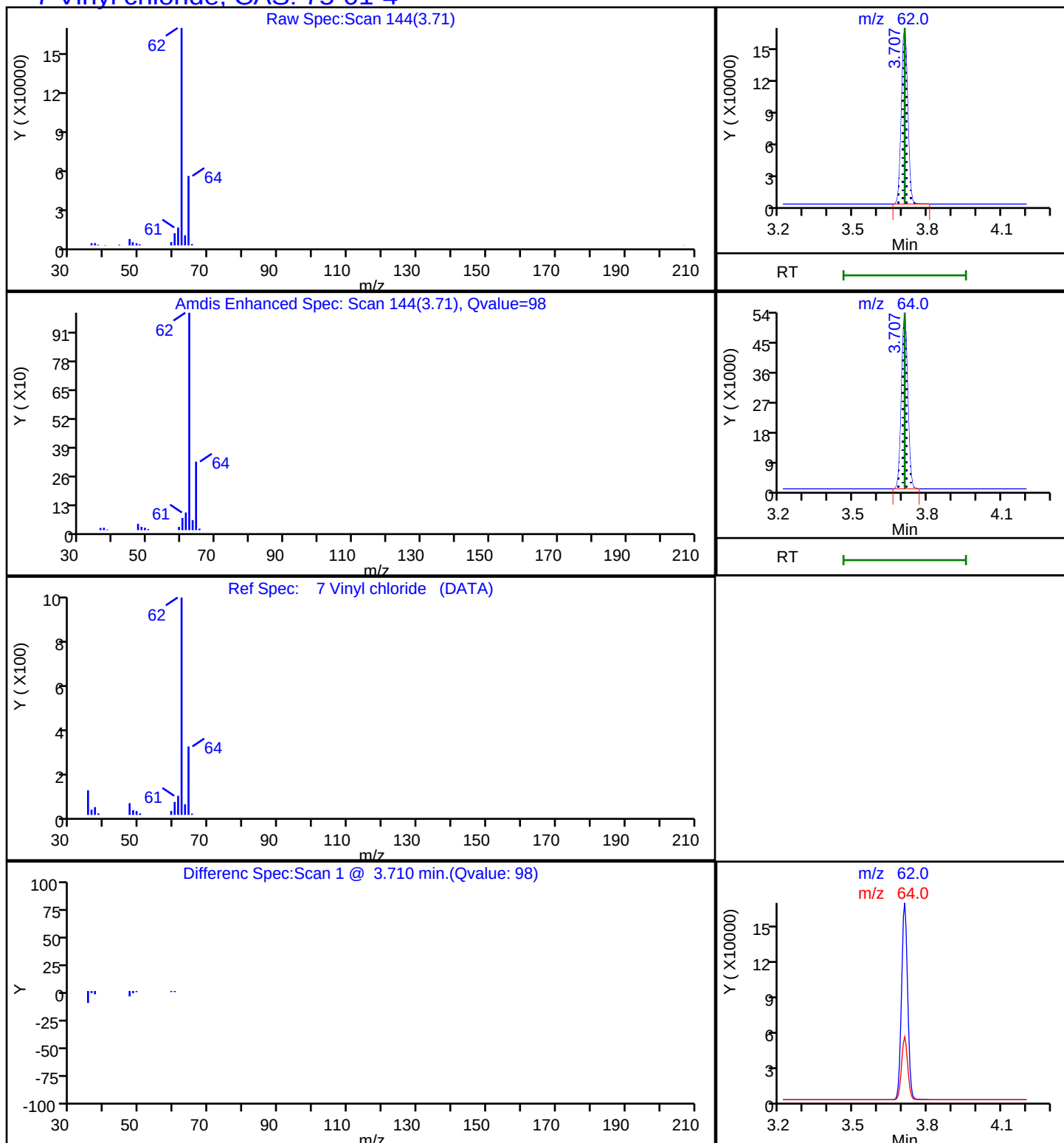
Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

7 Vinyl chloride, CAS: 75-01-4



TestAmerica Burlington

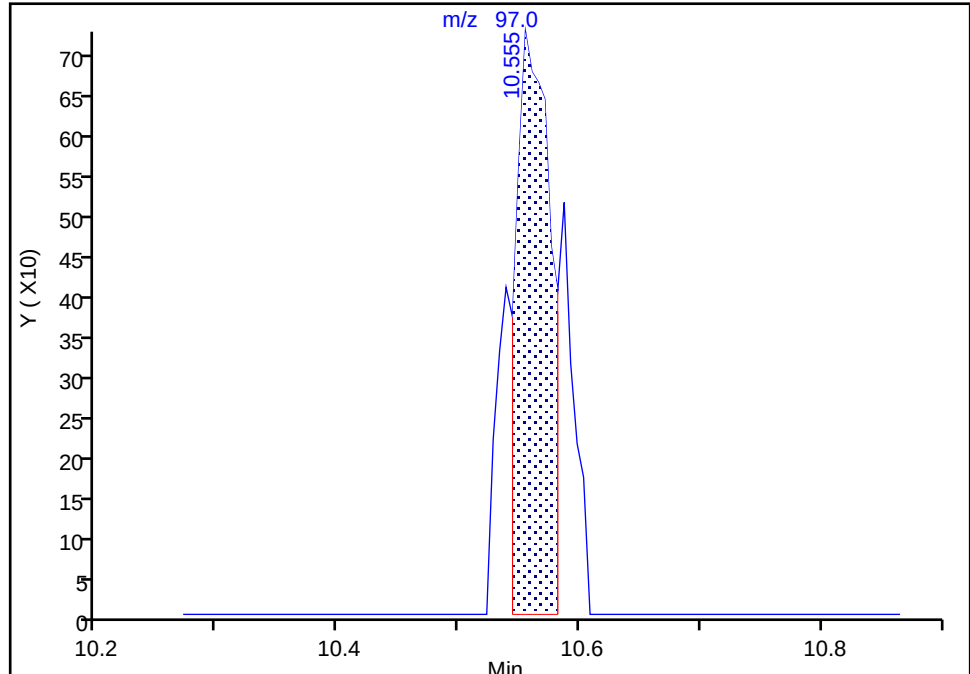
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Injection Date:	16-Jul-2018 14:14:30	Instrument ID:	CHX.i
Lims ID:	200-44316-A-2	Lab Sample ID:	200-44316-2
Client ID:	LRP-3Q18		
Operator ID:	pad	ALS Bottle#:	5
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	6

44 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

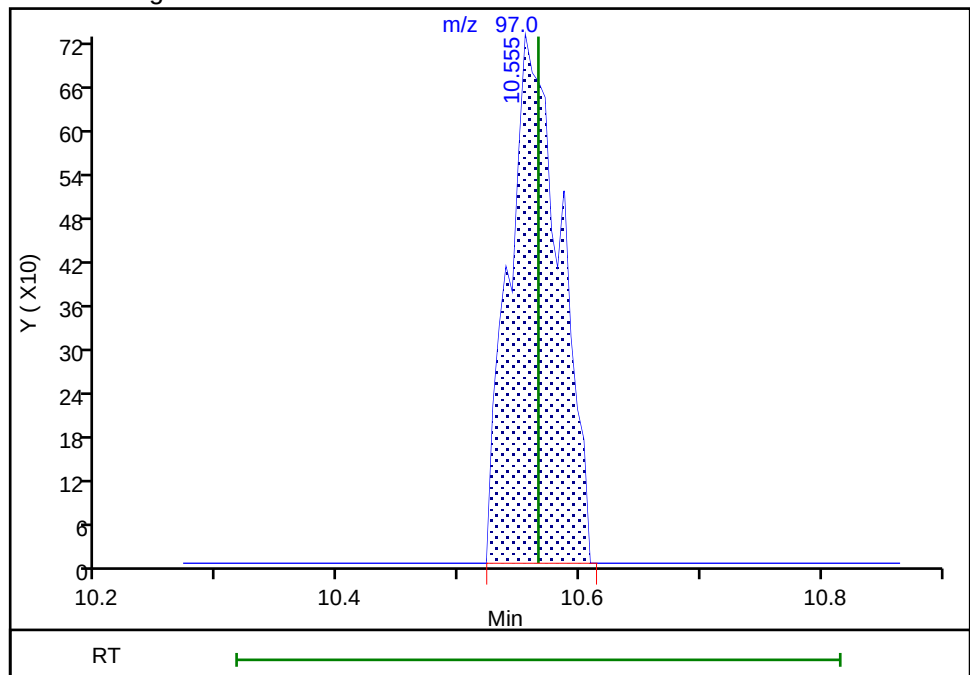
RT: 10.55
Area: 1448
Amount: 0.020293
Amount Units: ppb v/v

Processing Integration Results



RT: 10.55
Area: 2143
Amount: 0.030033
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 17-Jul-2018 10:49:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 64 of 216

07/24/2018

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_06.D

Injection Date: 16-Jul-2018 14:14:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-2

Lab Sample ID: 200-44316-2

Client ID: LRP-3Q18

Operator ID: pad

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

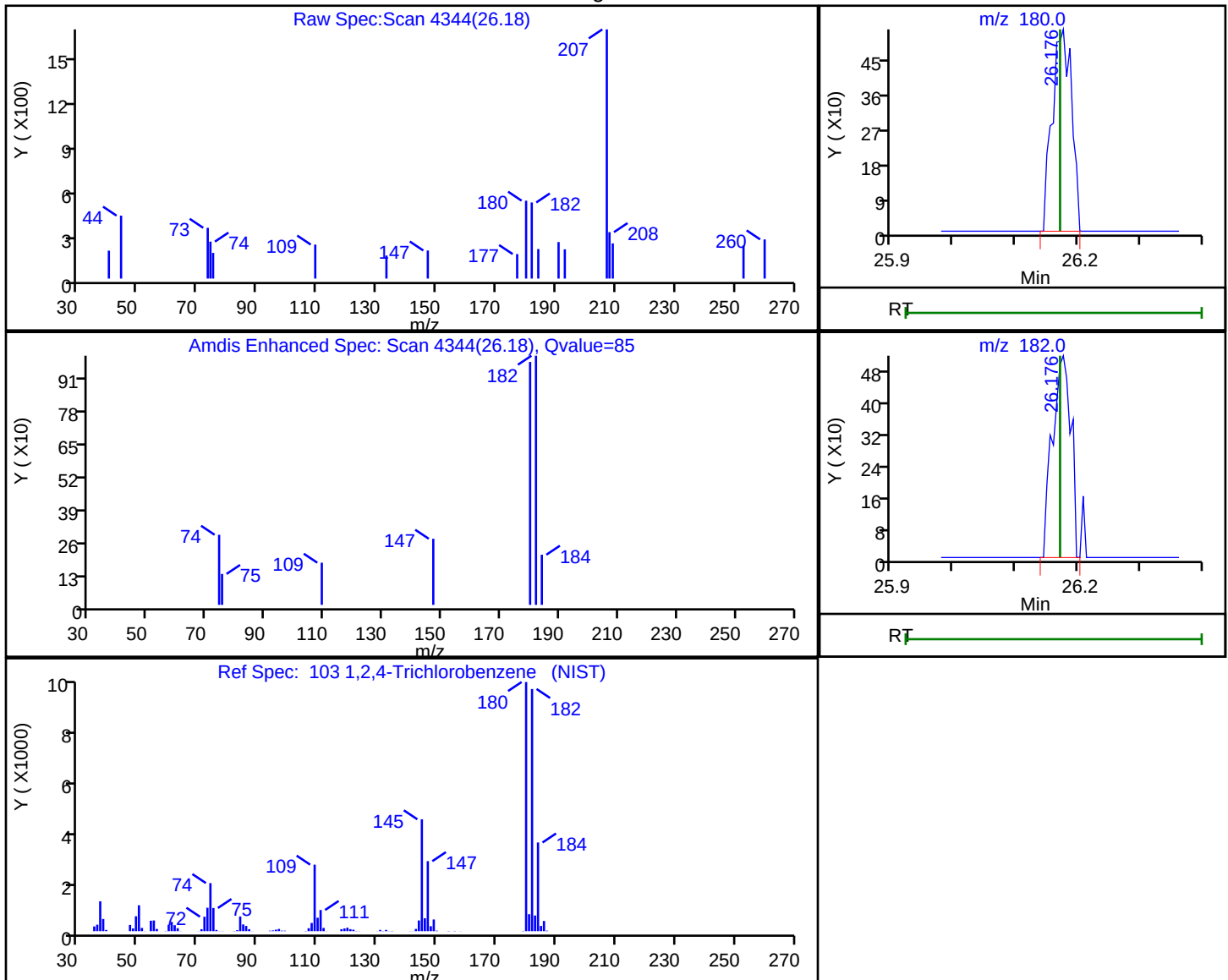
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

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

Processing Results



RT	Mass	Response	Amount
26.18	180.00	1144	0.014601
26.18	182.00	1059	

Reviewer: bunmaa, 17-Jul-2018 10:53:33

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_06.D

Injection Date: 16-Jul-2018 14:14:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-2

Lab Sample ID: 200-44316-2

Client ID: LRP-3Q18

Operator ID: pad

ALS Bottle#: 5 Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

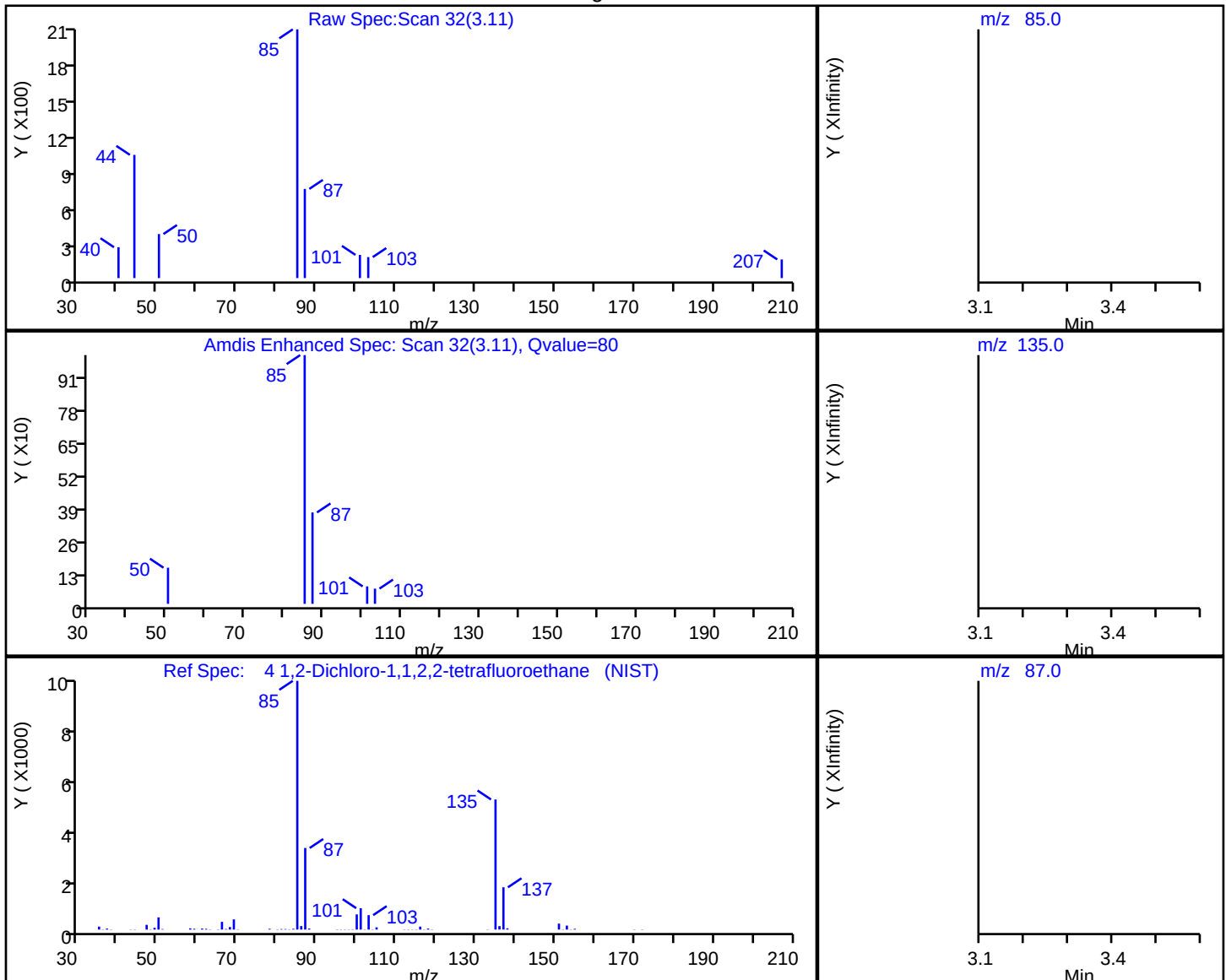
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

4 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Processing Results



RT	Mass	Response	Amount
3.11	85.00	3023	0.039213
3.35	135.00	0	
3.11	87.00	985	

Reviewer: bunmaa, 17-Jul-2018 10:45:30

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_06.D

Injection Date: 16-Jul-2018 14:14:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-2

Lab Sample ID: 200-44316-2

Client ID: LRP-3Q18

Operator ID: pad

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

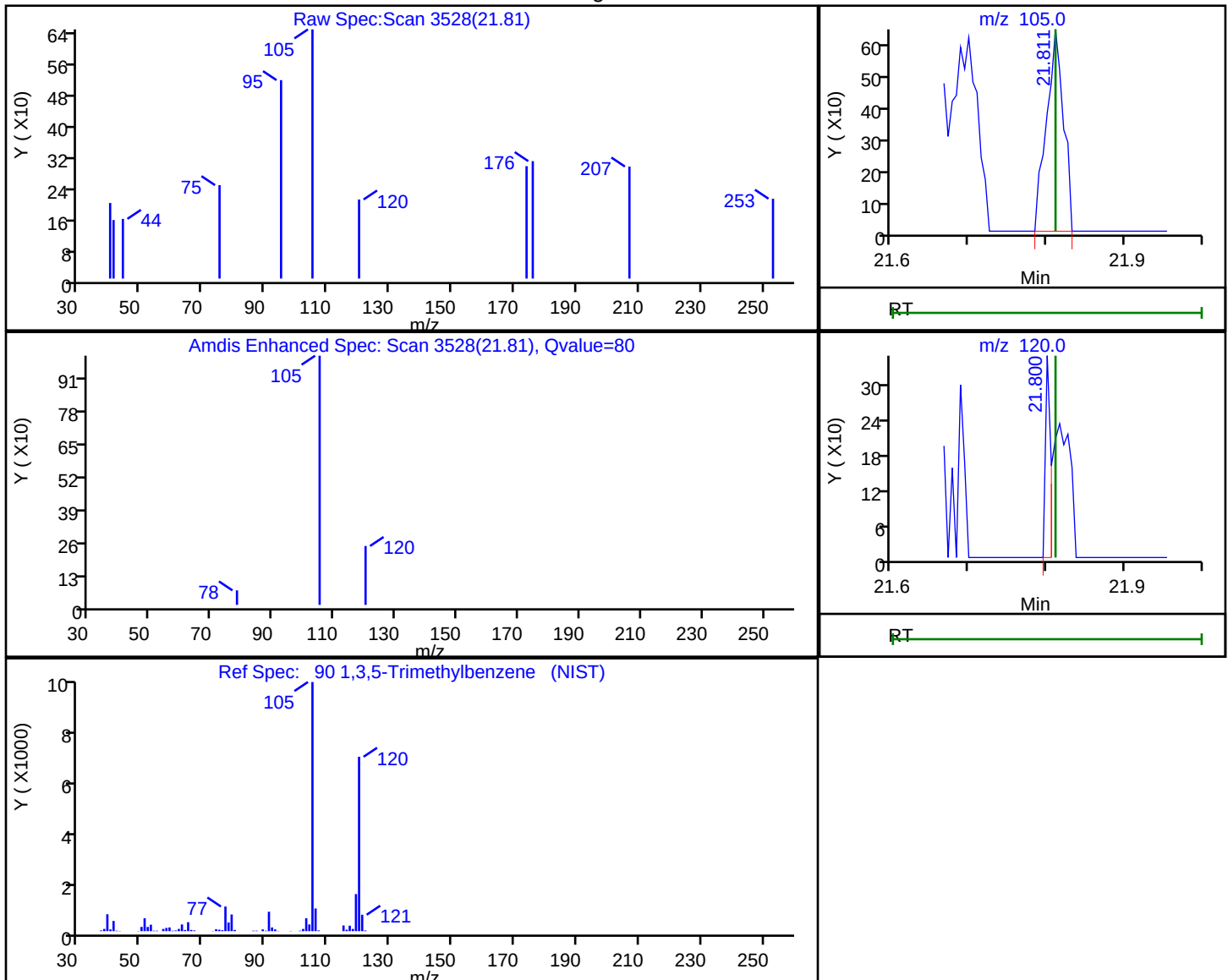
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
21.81	105.00	977	0.005754
21.80	120.00	162	

Reviewer: bunmaa, 17-Jul-2018 10:52:53

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_06.D

Injection Date: 16-Jul-2018 14:14:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-2

Lab Sample ID: 200-44316-2

Client ID: LRP-3Q18

Operator ID: pad

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

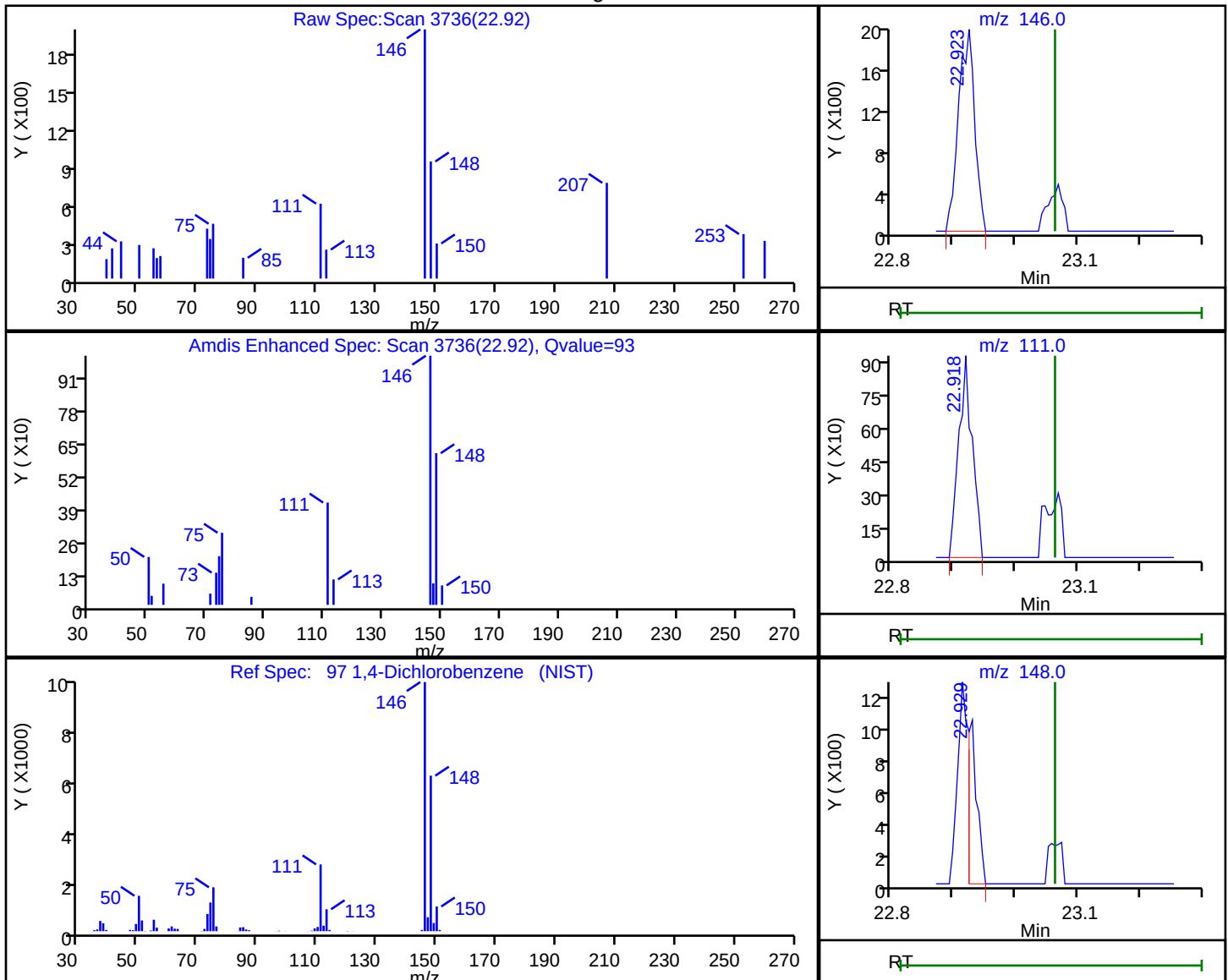
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

97 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
22.92	146.00	3601	0.031199
22.92	111.00	1414	
22.93	148.00	987	

Reviewer: bunmaa, 17-Jul-2018 10:53:13

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_06.D

Injection Date: 16-Jul-2018 14:14:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-2

Lab Sample ID: 200-44316-2

Client ID: LRP-3Q18

Operator ID: pad

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

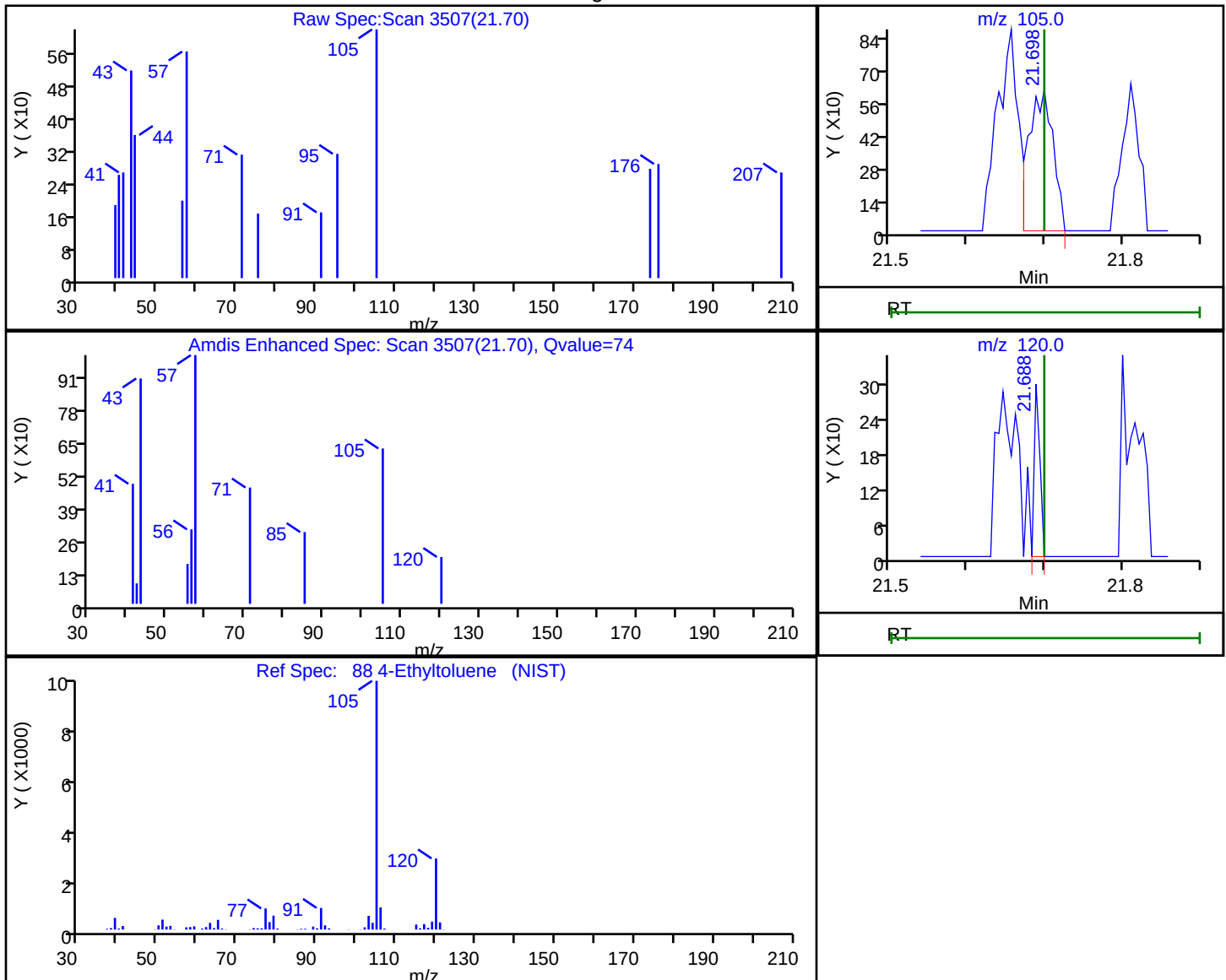
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

88 4-Ethyltoluene, CAS: 622-96-8

Processing Results



RT	Mass	Response	Amount
21.70	105.00	1343	0.006569
21.69	120.00	148	

Reviewer: bunmaa, 17-Jul-2018 10:52:43

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_06.D

Injection Date: 16-Jul-2018 14:14:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-2

Lab Sample ID: 200-44316-2

Client ID: LRP-3Q18

Operator ID: pad

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

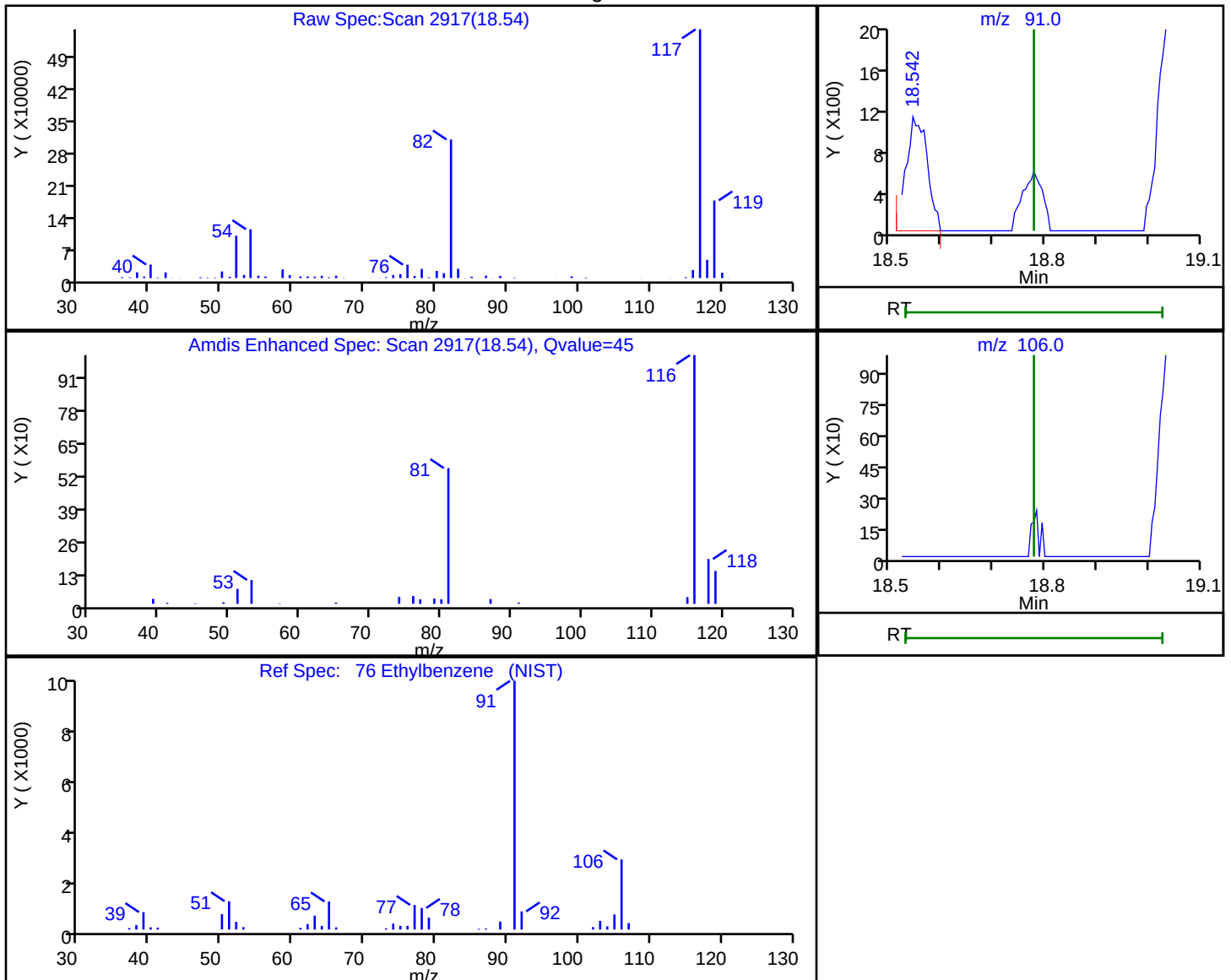
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
18.54	91.00	3099	0.016806
18.78	106.00	0	

Reviewer: bunmaa, 17-Jul-2018 10:51:42

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_06.D

Injection Date: 16-Jul-2018 14:14:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-2

Lab Sample ID: 200-44316-2

Client ID: LRP-3Q18

Operator ID: pad

ALS Bottle#: 5 Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

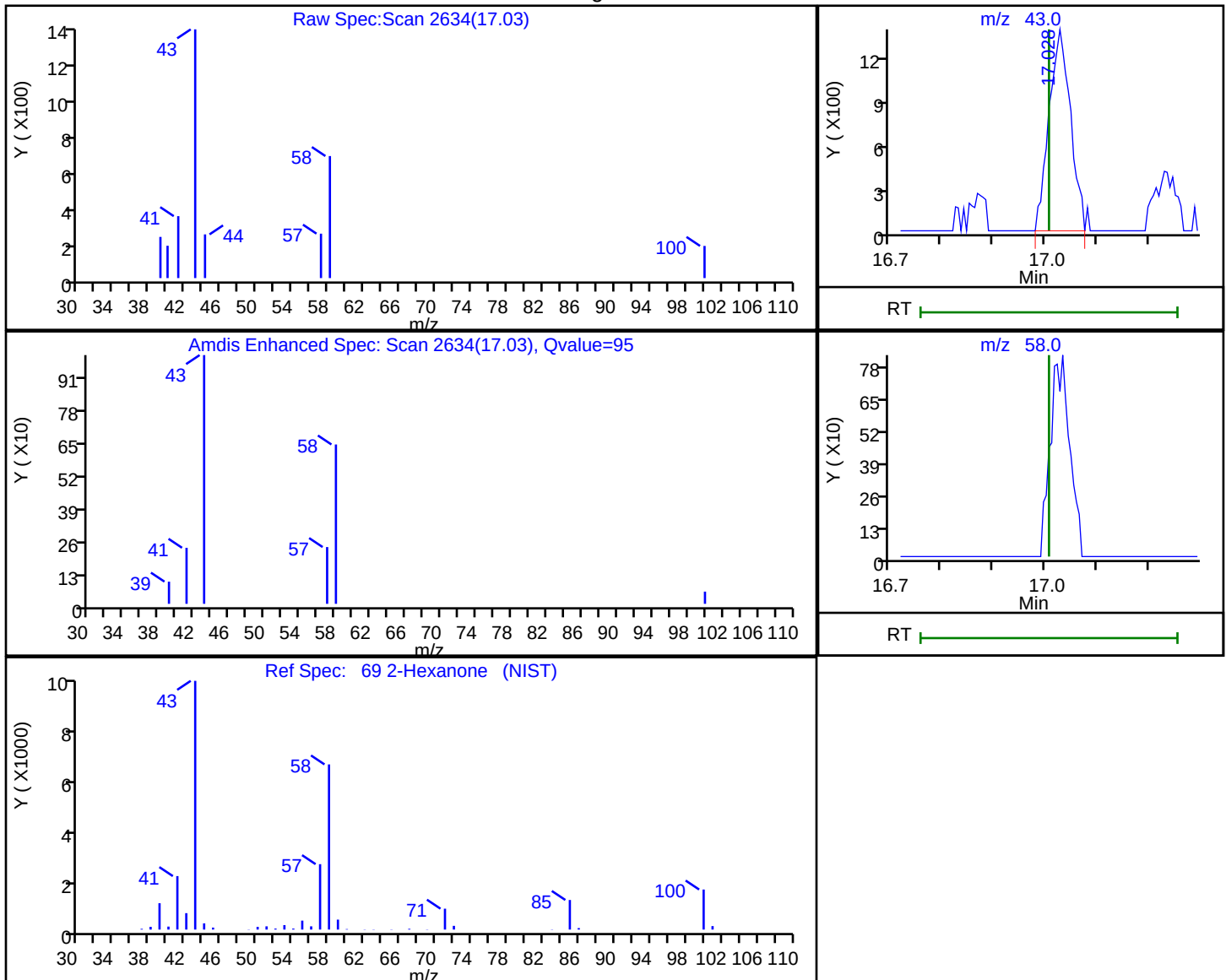
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

69 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
17.03	43.00	3978	0.048808
17.05	58.00	0	

Reviewer: bunmaa, 17-Jul-2018 10:51:29

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_06.D

Injection Date: 16-Jul-2018 14:14:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-2

Lab Sample ID: 200-44316-2

Client ID: LRP-3Q18

Operator ID: pad

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

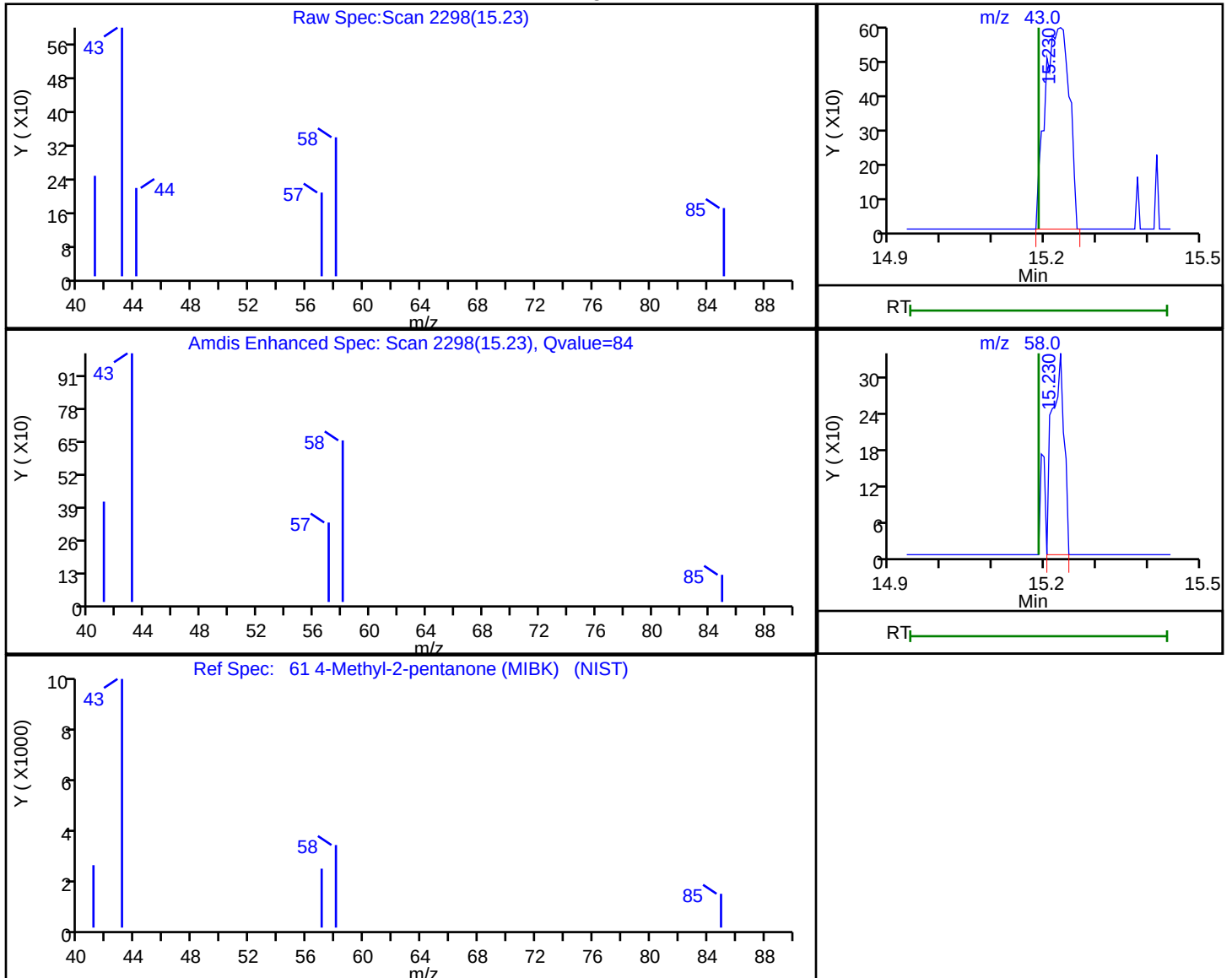
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector MS SCAN

61 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
15.23	43.00	1938	0.023153
15.23	58.00	535	

Reviewer: bunmaa, 17-Jul-2018 10:50:59

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_06.D

Injection Date: 16-Jul-2018 14:14:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-2

Lab Sample ID: 200-44316-2

Client ID: LRP-3Q18

Operator ID: pad

ALS Bottle#: 5 Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

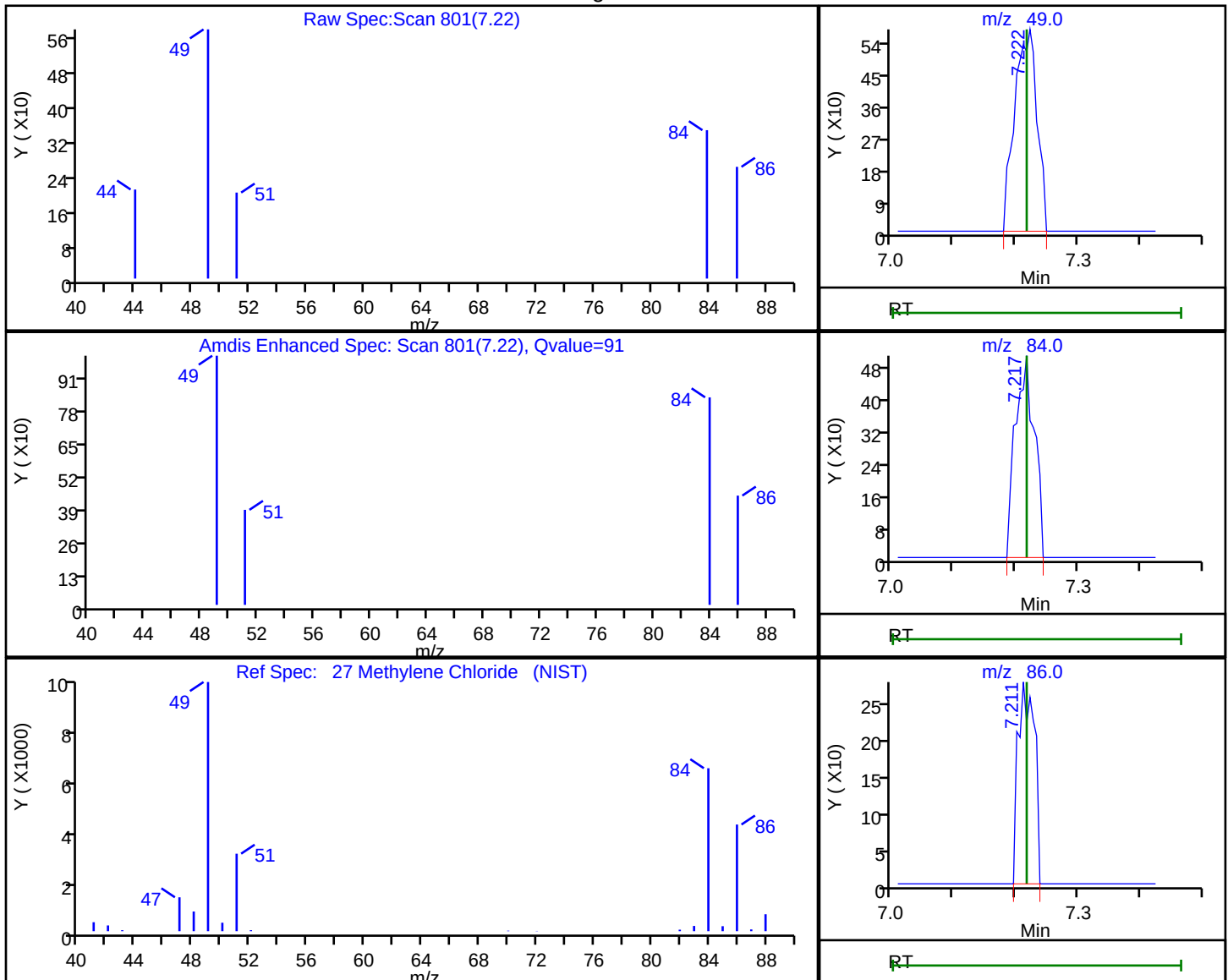
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

27 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
7.22	49.00	1431	0.039299
7.22	84.00	1066	
7.21	86.00	511	

Reviewer: bunmaa, 17-Jul-2018 10:48:03

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHX.i\\20180716-31373.b\\31373_06.D

Injection Date: 16-Jul-2018 14:14:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-2

Lab Sample ID: 200-44316-2

Client ID: LRP-3Q18

Operator ID: pad

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

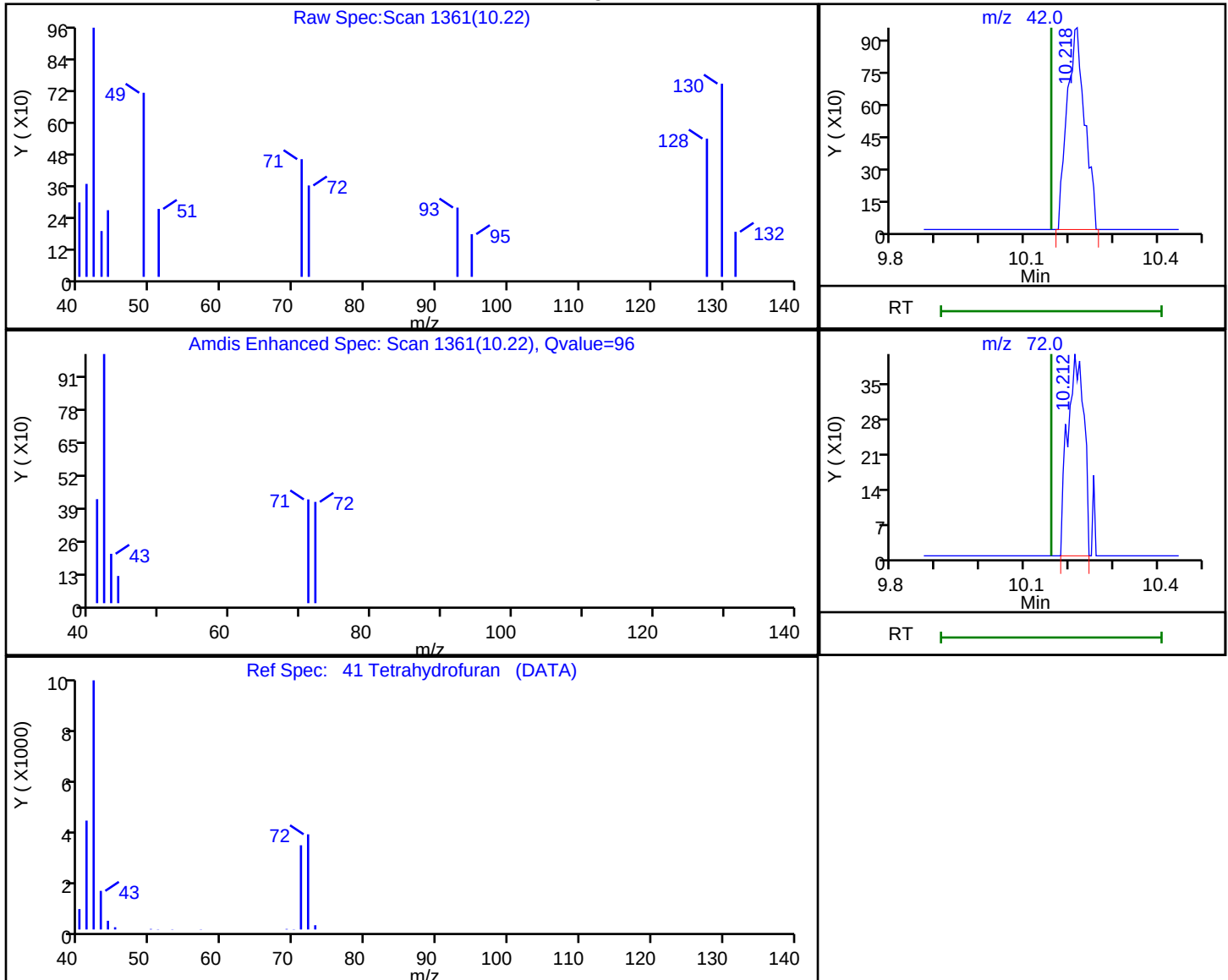
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

41 Tetrahydrofuran, CAS: 109-99-9

Processing Results



RT	Mass	Response	Amount
10.22	42.00	2658	0.072159
10.21	72.00	1033	

Reviewer: bunmaa, 17-Jul-2018 10:49:15

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

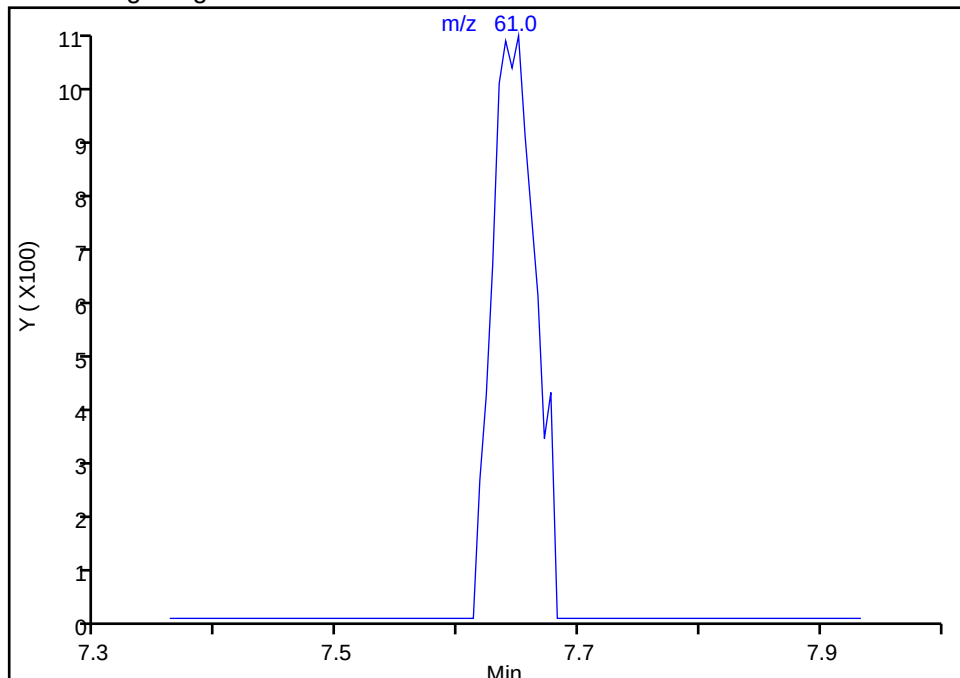
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_06.D		
Injection Date:	16-Jul-2018 14:14:30	Instrument ID:	CHX.i
Lims ID:	200-44316-A-2	Lab Sample ID:	200-44316-2
Client ID:	LRP-3Q18		
Operator ID:	pad	ALS Bottle#:	5
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	6

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

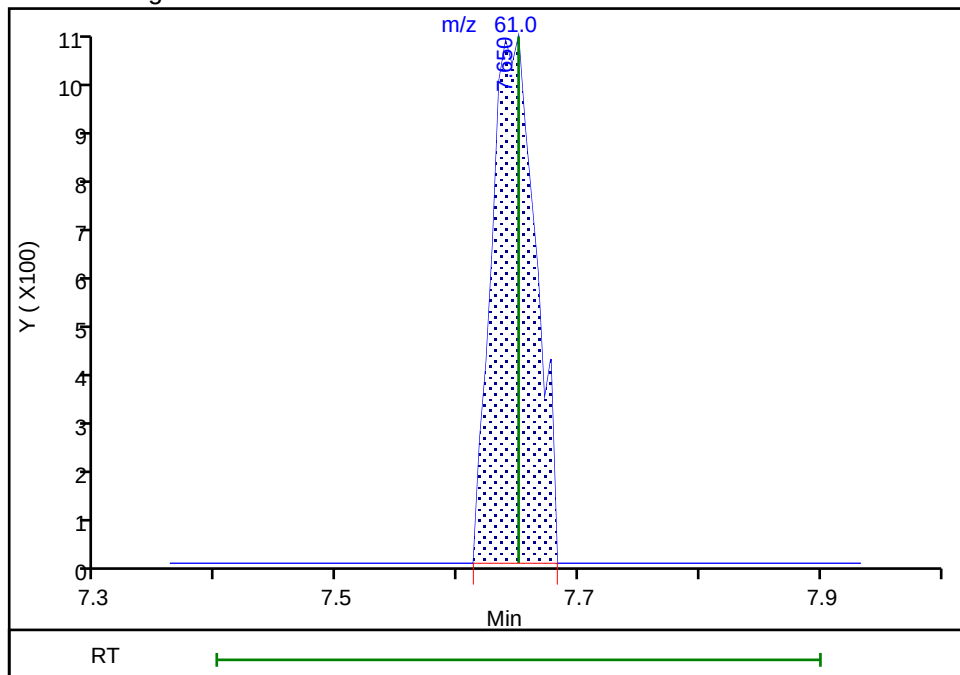
Signal: 1

Not Detected
Expected RT: 7.65

Processing Integration Results

RT: 7.65
Area: 2548
Amount: 0.054471
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 17-Jul-2018 10:48:31

Audit Action: Assigned Compound ID

Audit Reason: Assign Peak

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_06.D

Injection Date: 16-Jul-2018 14:14:30

Instrument ID: CHX.i

Lims ID: 200-44316-A-2

Lab Sample ID: 200-44316-2

Client ID: LRP-3Q18

Operator ID: pad

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 10.0000

Method: TO15_MasterMethod_X.m

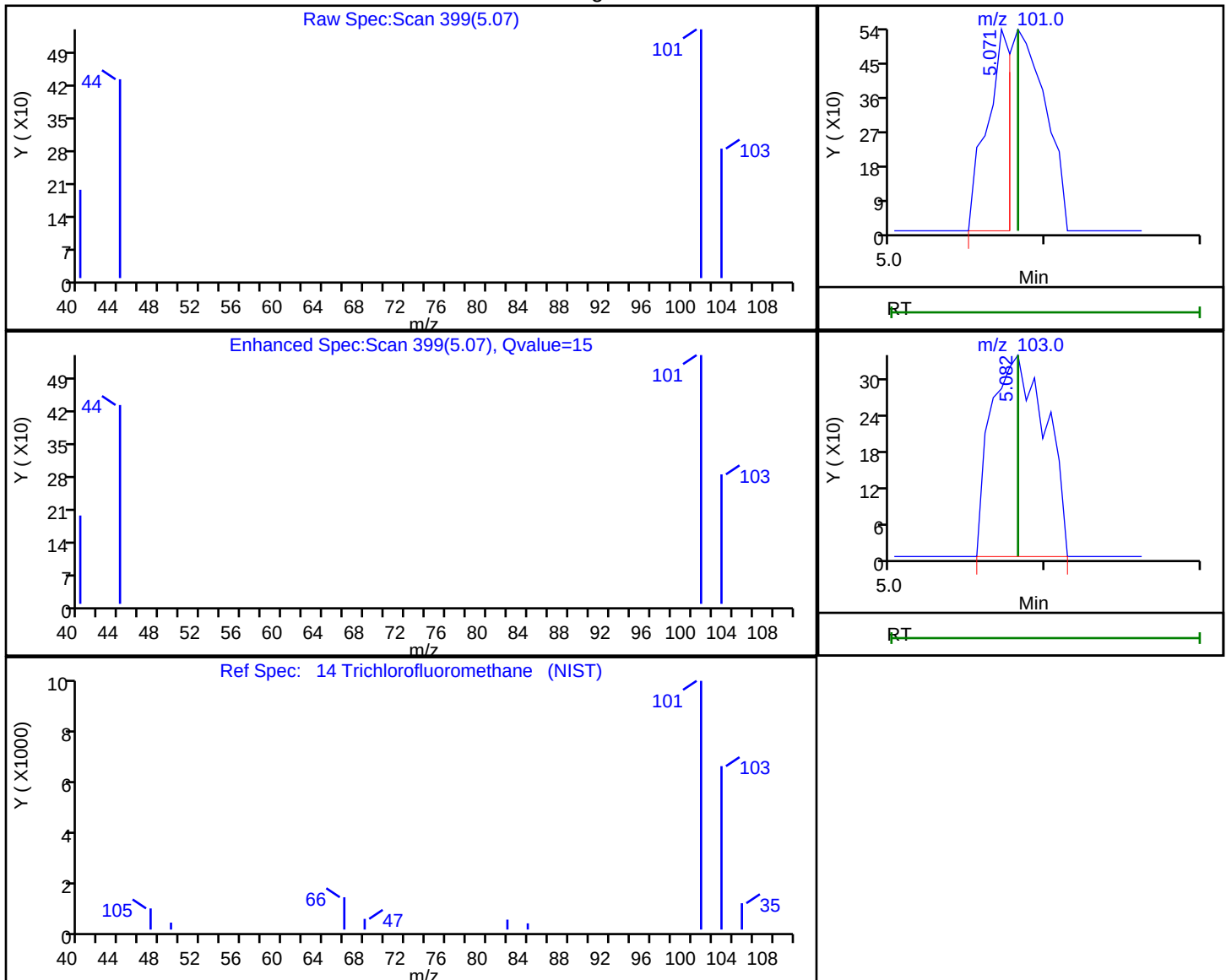
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

14 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
5.07	101.00	586	0.008120
5.08	103.00	821	

Reviewer: bunmaa, 17-Jul-2018 10:47:34

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

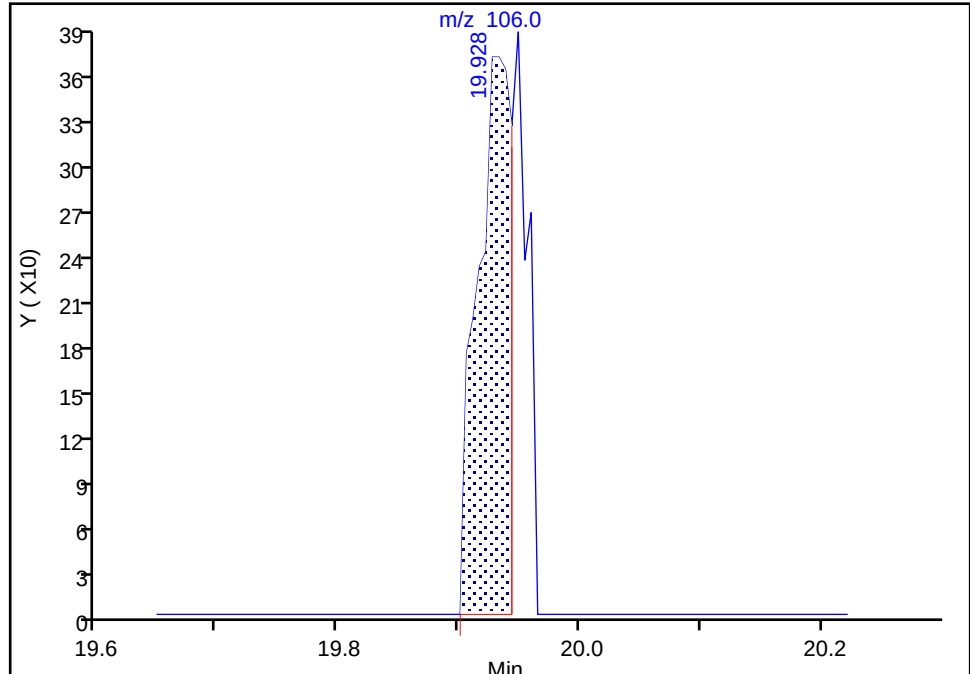
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_06.D		
Injection Date:	16-Jul-2018 14:14:30	Instrument ID:	CHX.i
Lims ID:	200-44316-A-2	Lab Sample ID:	200-44316-2
Client ID:	LRP-3Q18		
Operator ID:	pad	ALS Bottle#:	5
Purge Vol:	200.000 mL	Dil. Factor:	10.0000
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	6

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

Signal: 1

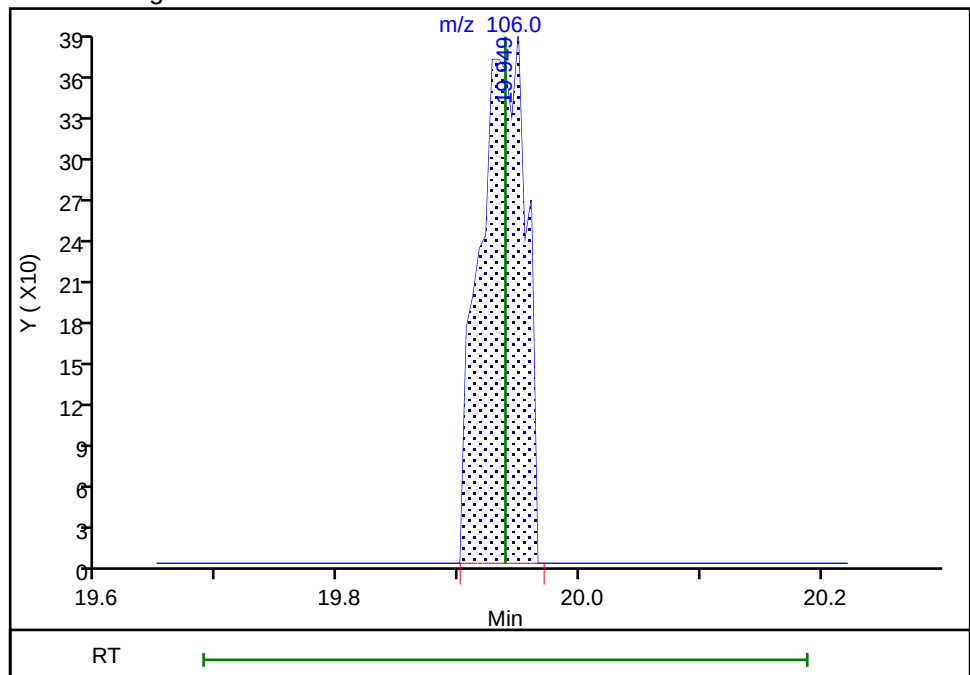
RT: 19.93
Area: 734
Amount: 0.010738
Amount Units: ppb v/v

Processing Integration Results



RT: 19.95
Area: 1021
Amount: 0.014937
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 17-Jul-2018 10:51:54
Audit Action: Manually Integrated

Audit Reason: Assign Peak
Page 77 of 216

07/24/2018

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

Lab Name: TestAmerica Burlington Job No.: 200-44316-1 Analy Batch No.: 131431

SDG No.: _____

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

Calibration Start Date: 07/03/2018 17:35 Calibration End Date: 07/04/2018 01:08 Calibration ID: 39721

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-131431/4	31226_04.D
Level 2	IC 200-131431/5	31226_05.D
Level 3	IC 200-131431/7	31226_07.D
Level 4	IC 200-131431/9	31226_09.D
Level 5	ICIS 200-131431/10	31226_10.D
Level 6	IC 200-131431/11	31226_11.D
Level 7	IC 200-131431/12	31226_12.D
Level 8	IC 200-131431/13	31226_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	++++ 0.6387	++++ 0.5628	++++ 0.6176	0.6980	0.7156	Ave		0.6466				9.6		30.0			
Dichlorodifluoromethane	++++ 2.1520	++++ 1.7477	2.2273 2.2145	2.1679	2.3182	Ave		2.1379				9.3		30.0			
Freon 22	++++ 1.3089	++++ 1.1662	1.4326 1.3089	1.3806	1.4368	Ave		1.3390				7.6		30.0			
1,2-Dichlorotetrafluoroethane	++++ 2.3262	2.2604 2.1185	2.4236 2.3791	2.3699	2.4953	Ave		2.3390				5.2		30.0			
Chloromethane	++++ 0.7929	++++ 0.7106	0.8881 0.7889	0.8395	0.8710	Ave		0.8152				8.0		30.0			
n-Butane	++++ 1.2846	++++ 1.1394	1.4949 1.2436	1.4132	1.4546	Ave		1.3384				10.3		30.0			
Vinyl chloride	0.8958 0.9379	0.9298 0.8391	1.0026 0.9379	0.9831	1.0291	Ave		0.9444				6.4		30.0			
1,3-Butadiene	0.7893 0.6686	0.6931 0.5939	0.7416 0.6623	0.7100	0.7470	Ave		0.7007				8.7		30.0			
Bromomethane	++++ 0.8325	0.8212 0.7567	0.8831 0.8502	0.8320	0.8843	Ave		0.8372				5.2		30.0			
Chloroethane	++++ 0.4666	++++ 0.4179	0.5041 0.4680	0.4744	0.4977	Ave		0.4715				6.5		30.0			
Isopentane	++++ 1.0336	0.9986 0.9023	1.1103 0.9895	1.0992	1.1388	Ave		1.0389				8.0		30.0			
Bromoethene (Vinyl Bromide)	++++ 0.8280	0.8129 0.7661	0.8815 0.8731	0.8196	0.8710	Ave		0.8360				5.0		30.0			
Trichlorofluoromethane	++++ 2.1844	2.1008 2.0024	2.2794 2.2791	2.1858	2.2955	Ave		2.1896				4.9		30.0			
n-Pentane	++++ 1.6189	++++ 1.4292	1.8257 1.5812	1.7227	1.7780	Ave		1.6593				8.8		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.: 200-44316-1 Analy Batch No.: 131431
SDG No.: _____
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/03/2018 17:35 Calibration End Date: 07/04/2018 01:08 Calibration ID: 39721

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	++++ 0.4672	++++ 0.3703	0.6372 0.3953	0.5621	0.5200	Ave		0.4920				20.6		30.0			
Ethyl ether	++++ 0.6292	0.6263 0.5693	0.6639 0.6400	0.6420	0.6695	Ave		0.6343				5.2		30.0			
Acrolein	++++ 0.3734	++++ 0.3313	++++ 0.3422	0.3749	0.3820	Ave		0.3608				6.2		30.0			
Freon TF	++++ 1.9285	1.8727 1.7666	2.0178 2.0065	1.9395	2.0490	Ave		1.9401				5.0		30.0			
1,1-Dichloroethene	1.0577 0.9325	0.9337 0.8573	0.9457 0.9665	0.9248	0.9799	Ave		0.9498				6.0		30.0			
Acetone	++++ 1.2780	++++ 1.1402	++++ 1.2637	1.3911	1.5201	Ave		1.3186				10.9		30.0			
Carbon disulfide	++++ 2.7603	++++ 2.5029	2.8793 2.8507	2.7897	2.9362	Ave		2.7865				5.5		30.0			
Isopropyl alcohol	++++ 1.4875	++++ 1.3020	++++ 1.4355	1.5987	1.7003	Ave		1.5048				10.1		30.0			
3-Chloropropene	++++ 1.1043	1.1092 0.9814	1.1570 1.0526	1.1595	1.0524	Ave		1.0880				5.9		30.0			
Acetonitrile	++++ 0.6544	++++ 0.5830	++++ 0.6435	0.6956	0.7363	Ave		0.6626				8.7		30.0			
Methylene Chloride	++++ 1.0660	++++ 0.9543	1.2599 1.0575	1.1264	1.1645	Ave		1.1048				9.4		30.0			
tert-Butyl alcohol	++++ 1.9090	++++ 1.7243	++++ 1.9278	1.9637	2.0981	Ave		1.9246				7.0		30.0			
Methyl tert-butyl ether	++++ 2.6972	2.5902 2.4598	2.8058 2.7776	2.7359	2.8615	Ave		2.7040				5.1		30.0			
trans-1,2-Dichloroethene	++++ 1.4090	1.3871 1.2755	1.4715 1.4296	1.4433	1.5184	Ave		1.4192				5.4		30.0			
Acrylonitrile	++++ 0.6812	++++ 0.6136	0.7376 0.6884	0.7047	0.7359	Ave		0.6936				6.6		30.0			
n-Hexane	++++ 1.5050	1.5825 1.3501	1.7082 1.5119	1.5726	1.6308	Ave		1.5516				7.3		30.0			
1,1-Dichloroethane	1.8873 1.7668	1.6702 1.5914	1.8647 1.7963	1.8151	1.8883	Ave		1.7850				6.0		30.0			
Vinyl acetate	++++ 2.4453	++++ 2.1823	++++ 2.4325	2.5698	2.6644	Ave		2.4588				7.4		30.0			
cis-1,2-Dichloroethene	1.1949 1.0589	1.0580 0.9723	1.1311 1.1211	1.0557	1.1194	Ave		1.0889				6.2		30.0			
Methyl Ethyl Ketone	++++ 0.5287	++++ 0.4849	0.6311 0.5535	0.5317	0.5657	Ave		0.5493				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.: 200-44316-1 Analy Batch No.: 131431
SDG No.: _____
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/03/2018 17:35 Calibration End Date: 07/04/2018 01:08 Calibration ID: 39721

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	++++ 0.0888	++++ 0.0806	++++ 0.0916	0.0851	0.0909	Ave		0.0874				5.2		30.0			
Tetrahydrofuran	++++ 0.2066	++++ 0.1819	++++ 0.2048	0.2164	0.2235	Ave		0.2066				7.6		30.0			
Chloroform	++++ 2.1333	2.1345 1.9527	2.2029 2.2435	2.1379	2.2526	Ave		2.1511				4.7		30.0			
Cyclohexane	++++ 0.2677	0.2592 0.2456	0.2747 0.2842	0.2643	0.2828	Ave		0.2683				5.1		30.0			
1,1,1-Trichloroethane	++++ 0.4014	0.3852 0.3676	0.4084 0.4260	0.3920	0.4215	Ave		0.4003				5.1		30.0			
Carbon tetrachloride	0.3469 0.4087	0.3690 0.3774	0.3979 0.4365	0.3962	0.4086	Ave		0.3926				7.0		30.0			
2,2,4-Trimethylpentane	++++ 1.0125	0.9851 0.9175	1.0472 1.0554	1.0230	1.0752	Ave		1.0166				5.2		30.0			
Benzene	++++ 0.6378	0.6201 0.5836	0.6574 0.6786	0.6306	0.6700	Ave		0.6397				5.1		30.0			
1,2-Dichloroethane	++++ 0.2484	0.2406 0.2251	0.2562 0.2575	0.2486	0.2655	Ave		0.2488				5.3		30.0			
n-Heptane	++++ 0.3572	0.3752 0.3215	0.3917 0.3651	0.3662	0.3862	Ave		0.3661				6.3		30.0			
n-Butanol	++++ 0.1355	++++ 0.1211	++++ 0.1416	0.1332	0.1554	Ave		0.1374				9.1		30.0			
Trichloroethene	0.3036 0.2771	0.2694 0.2561	0.2842 0.2988	0.2712	0.2891	Ave		0.2812				5.6		30.0			
1,2-Dichloropropane	++++ 0.2376	0.2269 0.2155	0.2467 0.2498	0.2366	0.2500	Ave		0.2376				5.4		30.0			
Methyl methacrylate	++++ 0.2304	++++ 0.2095	0.2377 0.2462	0.2243	0.2399	Ave		0.2313				5.7		30.0			
1,4-Dioxane	++++ 0.1363	++++ 0.1222	++++ 0.1415	0.1356	0.1552	Ave		0.1382				8.6		30.0			
Dibromomethane	++++ 0.2555	0.2431 0.2377	0.2562 0.2811	0.2426	0.2641	Ave		0.2543				5.9		30.0			
Bromodichloromethane	++++ 0.4395	0.3961 0.4049	0.4476 0.4712	0.4285	0.4568	Ave		0.4349				6.2		30.0			
cis-1,3-Dichloropropene	++++ 0.3774	0.3599 0.3464	0.3776 0.4054	0.3706	0.3945	Ave		0.3760				5.3		30.0			
methyl isobutyl ketone	++++ 0.4626	++++ 0.4131	0.5001 0.4754	0.4670	0.4993	Ave		0.4696				6.8		30.0			
Toluene	++++ 0.5174	0.5096 0.4689	0.5240 0.5433	0.5034	0.5453	Ave		0.5160				5.1		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.: 200-44316-1 Analy Batch No.: 131431
SDG No.: _____
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/03/2018 17:35 Calibration End Date: 07/04/2018 01:08 Calibration ID: 39721

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	++++ 0.5020	0.5020 0.4515	0.5124 0.5163	0.5103	0.5367	Ave		0.5045				5.2		30.0			
trans-1,3-Dichloropropene	++++ 0.3451	0.4040 0.3148	0.3598 0.3667	0.3452	0.3602	Ave		0.3565				7.6		30.0			
1,1,2-Trichloroethane	++++ 0.2551	0.2534 0.2306	0.2536 0.2681	0.2486	0.2691	Ave		0.2541				5.1		30.0			
Tetrachloroethene	0.4056 0.4274	0.3963 0.3938	0.4217 0.4606	0.4072	0.4456	Ave		0.4198				5.7		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.4974	++++ 0.4385	0.5816 0.5031	0.4961	0.5479	Ave		0.5108				9.6		30.0			
Dibromochloromethane	++++ 0.5329	0.4590 0.4895	0.4847 0.5619	0.5040	0.5437	Ave		0.5108				7.2		30.0			
1,2-Dibromoethane	++++ 0.4681	0.4349 0.4256	0.4540 0.4968	0.4463	0.4866	Ave		0.4589				5.7		30.0			
Chlorobenzene	++++ 0.7091	0.6832 0.6443	0.7087 0.7470	0.6749	0.7411	Ave		0.7012				5.2		30.0			
Ethylbenzene	++++ 1.1746	1.0897 1.0641	1.1535 1.2401	1.1354	1.2316	Ave		1.1556				5.7		30.0			
n-Nonane	++++ 0.5600	0.5523 0.5036	0.5510 0.5790	0.5563	0.5990	Ave		0.5573				5.3		30.0			
m,p-Xylene	++++ 0.4579	0.4257 0.4168	0.4438 0.4802	0.4389	0.4791	Ave		0.4489				5.5		30.0			
Xylene, o-	++++ 0.4358	0.4028 0.3962	0.4275 0.4600	0.4199	0.4563	Ave		0.4284				5.7		30.0			
Styrene	++++ 0.7305	0.6151 0.6620	0.6503 0.7795	0.6817	0.7597	Ave		0.6970				8.7		30.0			
Bromoform	++++ 0.5532	0.4223 0.5089	0.4687 0.5736	0.5081	0.5424	Ave		0.5110				10.2		30.0			
Cumene	++++ 1.3222	1.1921 1.2036	1.2635 1.3803	1.2672	1.3830	Ave		1.2874				6.0		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.6848	0.5975 0.6188	0.6546 0.6953	0.6584	0.7278	Ave		0.6625				6.8		30.0			
n-Propylbenzene	++++ 1.6086	1.4393 1.4592	1.5235 1.6191	1.5381	1.6918	Ave		1.5542				5.8		30.0			
1,2,3-Trichloropropane	++++ 0.5472	++++ 0.4946	0.5504 0.5537	0.5273	0.5796	Ave		0.5421				5.3		30.0			
n-Decane	++++ 0.7343	++++ 0.6485	0.6409 0.6646	0.7191	0.7961	Ave		0.7006				8.6		30.0			
4-Ethyltoluene	++++ 1.3587	1.1710 1.2268	1.2586 1.2424	1.2799	1.4307	Ave		1.2812				6.8		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.: 200-44316-1 Analy Batch No.: 131431

SDG No.: _____

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

Calibration Start Date: 07/03/2018 17:35 Calibration End Date: 07/04/2018 01:08 Calibration ID: 39721

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	++++ 1.1347	0.9636 1.0260	1.0457 1.0845	1.0751	1.1924	Ave		1.0746				6.9		30.0			
1,3,5-Trimethylbenzene	++++ 1.1133	0.9558 1.0085	1.0446 1.0953	1.0591	1.1713	Ave		1.0640				6.7		30.0			
Alpha Methyl Styrene	++++ 0.5801	0.4569 0.5240	0.4866 0.5734	0.5369	0.6060	Ave		0.5377				9.9		30.0			
tert-Butylbenzene	++++ 1.0470	0.9183 0.9423	0.9883 1.0234	1.0077	1.1124	Ave		1.0056				6.5		30.0			
1,2,4-Trimethylbenzene	++++ 1.1044	0.9367 0.9858	1.0235 1.0899	1.0597	1.1712	Ave		1.0530				7.5		30.0			
sec-Butylbenzene	++++ 1.6121	1.3897 1.4404	1.5177 1.5786	1.5674	1.7308	Ave		1.5481				7.3		30.0			
4-Isopropyltoluene	++++ 1.3186	1.1431 1.1783	1.2348 1.3595	1.3068	1.4648	Ave		1.2866				8.6		30.0			
1,3-Dichlorobenzene	++++ 0.7686	0.6708 0.6885	0.6925 0.7511	0.7091	0.8154	Ave		0.7280				7.2		30.0			
1,4-Dichlorobenzene	++++ 0.7611	0.6753 0.6771	0.6850 0.7595	0.6969	0.8084	Ave		0.7233				7.3		30.0			
Benzyl chloride	++++ 0.9618	0.8121 0.8347	0.8945 0.9936	0.9245	1.0525	Ave		0.9248				9.3		30.0			
n-Butylbenzene	++++ 1.1940	1.0113 1.0858	1.1060 1.3260	1.2386	1.3661	Ave		1.1897				10.9		30.0			
n-Undecane	++++ 0.6776	++++ 0.6363	++++ 0.7557	0.6905	0.7196	Ave		0.6959				6.4		30.0			
1,2-Dichlorobenzene	++++ 0.7137	0.6123 0.6340	0.6698 0.7262	0.6800	0.7765	Ave		0.6875				8.2		30.0			
n-Dodecane	++++ 0.5085	++++ 0.4693	++++ 0.4171	0.4862	0.5628	Ave		0.4888				10.9		30.0			
1,2,4-Trichlorobenzene	++++ 0.5333	++++ 0.4911	0.3544 0.5554	0.4506	0.5611	Ave		0.4910				16.1		30.0			
Hexachlorobutadiene	++++ 0.5097	0.4307 0.4820	0.4490 0.4818	0.4732	0.5338	Ave		0.4800				7.2		30.0			
Naphthalene	++++ 1.1255	++++ 0.9849	0.6439 1.2339	0.9649	1.2722	Ave		1.0376				22.2		30.0			
1,2,3-Trichlorobenzene	++++ 0.4835	++++ 0.4434	0.3245 0.4340	0.3946	0.5345	Ave		0.4358				16.6		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.: 200-44316-1 Analy Batch No.: 131431

SDG No.: _____

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

Calibration Start Date: 07/03/2018 17:35 Calibration End Date: 07/04/2018 01:08 Calibration ID: 39721

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-131431/4	31226_04.D
Level 2	IC 200-131431/5	31226_05.D
Level 3	IC 200-131431/7	31226_07.D
Level 4	IC 200-131431/9	31226_09.D
Level 5	ICIS 200-131431/10	31226_10.D
Level 6	IC 200-131431/11	31226_11.D
Level 7	IC 200-131431/12	31226_12.D
Level 8	IC 200-131431/13	31226_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	++++ 394981	++++ 476232	++++ 1060228	135983	282900	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 1330720	++++ 1478905	43910 3801520	422334	916403	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 809420	++++ 986881	28243 2246933	268953	567975	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1438454	18653 1792711	47780 4084116	461695	986418	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 490281	++++ 601283	17508 1354353	163554	344308	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 794355	++++ 964203	29471 2134806	275319	575011	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	1312 579947	7673 710065	19765 1610067	191515	406813	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	1156 413428	5720 502555	14620 1136875	138322	295313	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 514824	6777 640358	17410 1459454	162077	349587	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 288547	++++ 353610	9939 803445	92416	196747	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 639138	8241 763579	21890 1698574	214139	450191	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 512004	6708 648278	17379 1498786	159679	344325	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 1350750	17336 1694461	44937 3912402	425824	907452	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 1001092	++++ 1209449	35992 2714338	335616	702871	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 386010	++++ 626751	125781 1696654	219169	308470	++++ 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.: 200-44316-1 Analy Batch No.: 131431

SDG No.: _____

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

Calibration Start Date: 07/03/2018 17:35 Calibration End Date: 07/04/2018 01:08 Calibration ID: 39721

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	++++ 389062	5168 481759	13089 1098723	125073	264645	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	++++ 230909	++++ 280355	++++ 587439	73040	151017	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	++++ 1192508	15454 1494944	39781 3444580	377845	809998	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	1549 576626	7705 725459	18645 1659217	180158	387366	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 790279	++++ 964891	++++ 2169414	271004	600915	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 1706886	++++ 2117963	56765 4893659	543467	1160712	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	++++ 919849	++++ 1101796	++++ 2464354	311456	672161	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	++++ 682861	9153 830434	22810 1806964	225884	416009	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 404668	++++ 493320	++++ 1104613	135523	291085	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 659192	++++ 807570	++++ 1815431	219436	460350	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 1180477	++++ 1459155	++++ 3309477	382565	829397	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 1667862	21375 2081563	55315 4768293	533001	1131174	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	++++ 871315	11447 1079342	29010 2454132	281179	600256	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 421207	++++ 519230	++++ 14542 1181808	137279	290900	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 930640	13059 1142465	33677 2595445	306359	644680	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	2764 1092523	13783 1346692	36761 3083694	353604	746483	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 1512093	++++ 1846681	++++ 4175834	500635	1053257	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	1750 654810	8731 822760	22300 1924491	205670	442527	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 326911	++++ 410352	12441 950215	103586	223638	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 54920	++++ 68187	++++ 157162	16586	35918	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	++++ 690737	++++ 833315	++++ 1897036	229735	477282	++++ 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.: 200-44316-1 Analy Batch No.: 131431

SDG No.: _____

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

Calibration Start Date: 07/03/2018 17:35 Calibration End Date: 07/04/2018 01:08 Calibration ID: 39721

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	++++ 1319209	17614 1652422	43430 3851269	416498	890485	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	++++ 895171	11629 1124880	29472 2632160	280549	603925	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	++++ 1341984	17282 1683879	43822 3945777	416086	900365	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	2769 1366563	16555 1728924	42698 4042540	420475	872604	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 3385411	44201 4202917	112372 9774168	1085833	2296369	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	++++ 2132497	27821 2673473	70547 6284716	669342	1430992	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	++++ 830571	10794 1031372	27493 2384788	263817	566983	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	++++ 1194279	16834 1472559	42027 3381195	388695	824763	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFBZ	Ave	++++ 453076	++++ 554866	++++ 1311448	141341	331958	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	2423 926665	12087 1173268	30499 2767242	287894	617534	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	++++ 794560	10181 987230	26472 2313231	251154	533885	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	++++ 770348	++++ 959664	25503 2279936	238079	512338	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	++++ 455803	++++ 559792	++++ 1310062	143967	331438	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dibromomethane	DFBZ	Ave	++++ 854261	10907 1089092	27495 2603171	257505	564027	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	++++ 1469484	17773 1854880	48029 4364186	454844	975586	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 1261923	16149 1586614	40521 3754408	393407	842515	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFBZ	Ave	++++ 1546862	++++ 1892176	53669 4402916	495687	1066378	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBNZ d5	Ave	++++ 1539432	20190 1934026	50901 4582425	478422	1028118	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFBZ	Ave	++++ 1678487	22523 2068400	54987 4781552	541608	1146356	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	++++ 1153792	18125 1442019	38613 3395822	366361	769356	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBNZ d5	Ave	++++ 758896	10039 951289	24638 2261661	236252	507375	++++ 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.: 200-44316-1 Analy Batch No.: 131431

SDG No.: _____

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

Calibration Start Date: 07/03/2018 17:35 Calibration End Date: 07/04/2018 01:08 Calibration ID: 39721

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	2897 1271749	15701 1624334	40967 3884764	387017	840266	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZ d5	Ave	++++ 1479837	++++ 1808648	56497 4243476	471446	1033095	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBNZ d5	Ave	++++ 1585449	18184 2019133	47087 4738899	478970	1025236	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBNZ d5	Ave	++++ 1392706	17231 1755276	44098 4190436	424170	917423	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBNZ d5	Ave	++++ 2109792	27067 2657387	68843 6300334	641446	1397332	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBNZ d5	Ave	++++ 3494853	43168 4389039	112054 10459127	1079095	2322215	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBNZ d5	Ave	++++ 1666203	21879 2077326	53528 4883345	528746	1129438	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBNZ d5	Ave	++++ 2724880	33733 3438454	86215 8100540	834229	1806838	++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBNZ d5	Ave	++++ 1296574	15956 1634074	41528 3879646	399084	860408	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBNZ d5	Ave	++++ 2173505	24368 2730583	63171 6574412	647891	1432353	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBNZ d5	Ave	++++ 1645812	16731 2098877	45527 4837806	482850	1022619	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBNZ d5	Ave	++++ 3933832	47226 4964294	122736 11641659	1204324	2607589	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	++++ 2037479	23671 2552407	63584 5864817	625722	1372210	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBNZ d5	Ave	++++ 4785897	57021 6018760	147987 13656284	1461791	3189861	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBNZ d5	Ave	++++ 1628137	++++ 2040257	53461 4670336	501128	1092842	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBNZ d5	Ave	++++ 2184581	++++ 2674991	62258 5605162	683433	1501037	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBNZ d5	Ave	++++ 4042365	46392 5060107	122257 10478953	1216368	2697660	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBNZ d5	Ave	++++ 3375960	38176 4231987	101577 9146746	1021729	2248277	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBNZ d5	Ave	++++ 3312431	37864 4159854	101474 9238171	1006586	2208552	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBNZ d5	Ave	++++ 1725854	18099 2161423	47267 4836141	510287	1142666	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBNZ d5	Ave	++++ 3114978	36381 3886641	96004 8632055	957700	2097364	++++ 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.: 200-44316-1 Analy Batch No.: 131431

SDG No.: _____

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

Calibration Start Date: 07/03/2018 17:35 Calibration End Date: 07/04/2018 01:08 Calibration ID: 39721

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	++++ 3285970	37107 4066289	99426 9193091	1007089	2208304	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBNZ d5	Ave	++++ 4796470	55056 5941142	147432 13314610	1489644	3263387	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBNZ d5	Ave	++++ 3923240	45284 4860022	119950 11466574	1241997	2761949	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBNZ d5	Ave	++++ 2286715	26575 2839729	67264 6335113	673892	1537460	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBNZ d5	Ave	++++ 2264377	26753 2792852	66539 6406057	662292	1524321	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBNZ d5	Ave	++++ 2861510	32171 3442978	86888 8380255	878643	1984563	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBNZ d5	Ave	++++ 3552409	40064 4478417	107432 11183742	1177120	2575812	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBNZ d5	Ave	++++ 2016068	++++ 2624383	++++ 6373845	656291	1356830	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBNZ d5	Ave	++++ 2123524	24258 2615247	65066 6125001	646268	1464015	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBNZ d5	Ave	++++ 1512975	++++ 1935535	++++ 3518126	462119	1061242	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBNZ d5	Ave	++++ 1586806	++++ 2025691	34427 4684106	428252	1058017	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBNZ d5	Ave	++++ 1516417	17063 1988128	43616 4063437	449770	1006547	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBNZ d5	Ave	++++ 3348694	++++ 4062491	62552 10406851	917039	2398709	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBNZ d5	Ave	++++ 1438383	++++ 1828729	31526 3660929	375025	1007881	++++ 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\CHX.i\20180703-31226.b\31226_04.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 03-Jul-2018 17:35:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0031226-004
 Operator ID: pad Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub1
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Jul-2018 10:10:10 Calib Date: 04-Jul-2018 01:08:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 05-Jul-2018 09:53:47

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	3.044	3.044	0.000	95	1448	0.0351	0.0536	
2 Dichlorodifluoromethane	85	3.113	3.108	0.005	96	3261	0.0351	0.0365	
3 Chlorodifluoromethane	51	3.162	3.156	0.006	95	2121	0.0351	0.0379	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.354	3.354	0.000	95	3721	0.0351	0.0381	
5 Chloromethane	50	3.493	3.483	0.010	94	1414	0.0351	0.0415	
6 Butane	43	3.664	3.664	0.000	96	2248	0.0351	0.0402	
7 Vinyl chloride	62	3.707	3.707	0.000	93	1312	0.0351	0.0333	
8 Butadiene	54	3.777	3.777	0.000	84	1156	0.0351	0.0395	
10 Bromomethane	94	4.419	4.413	0.006	95	1439	0.0351	0.0412	
11 Chloroethane	64	4.633	4.633	0.000	89	547	0.0351	0.0278	
12 2-Methylbutane	43	4.686	4.692	-0.006	78	1718	0.0351	0.0396	
13 Vinyl bromide	106	4.991	4.996	-0.005	91	1210	0.0351	0.0347	
14 Trichlorofluoromethane	101	5.077	5.087	-0.010	94	3354	0.0351	0.0367	
16 Pentane	43	5.216	5.216	0.000	95	2556	0.0351	0.0369	
17 Ethanol	45	5.665	5.633	0.032	98	5792	0.0702	0.2819	
18 Ethyl ether	59	5.751	5.713	0.038	81	779	0.0351	0.0294	
19 Acrolein	56	6.115	6.093	0.022	62	1428	0.0351	0.0948	
20 1,1,2-Trichloro-1,2,2-trif	101	6.109	6.104	0.005	94	2871	0.0351	0.0354	
21 1,1-Dichloroethene	96	6.152	6.157	-0.005	77	1549	0.0351	0.0391	
22 Acetone	43	6.436	6.398	0.038	96	7516	0.0351	0.1365	
23 Carbon disulfide	76	6.537	6.548	-0.011	97	3914	0.0351	0.0336	
24 Isopropyl alcohol	45	6.719	6.676	0.043	100	8665	0.0351	0.1379	
25 3-Chloro-1-propene	41	6.928	6.922	0.006	50	1072	0.0351	0.0236	
26 Acetonitrile	41	7.094	7.072	0.022	95	2276	0.0351	0.0823	
27 Methylene Chloride	49	7.217	7.222	-0.005	88	2310	0.0351	0.0501	
28 2-Methyl-2-propanol	59	7.516	7.447	0.069	93	2638	0.0351	0.0328	
29 Methyl tert-butyl ether	73	7.671	7.618	0.053	84	4174	0.0351	0.0370	
31 trans-1,2-Dichloroethene	61	7.655	7.655	0.000	97	1508	0.0351	0.0254	
32 Acrylonitrile	53	7.837	7.821	0.016	71	602	0.0351	0.0208	
33 Hexane	57	8.008	8.024	-0.016	86	2914	0.0351	0.0450	
34 1,1-Dichloroethane	63	8.527	8.538	-0.011	17	2764	0.0351	0.0371	

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	8.629	8.613	0.016	99	3079	0.0351	0.0300	
S 30 1,2-Dichloroethene, Total	61				0		0.0702	0.0639	
37 cis-1,2-Dichloroethene	96	9.667	9.672	-0.005	89	1750	0.0351	0.0385	M
38 2-Butanone (MEK)	72	9.758	9.731	0.027	94	1116	0.0351	0.0487	
39 Ethyl acetate	88		9.768				ND	ND	
* 40 Chlorobromomethane	128	10.148	10.154	-0.006	92	417527	10.0	10.0	
41 Tetrahydrofuran	42	10.234	10.164	0.070	74	2317	0.0351	0.0493	
42 Chloroform	83	10.287	10.287	0.000	83	2057	0.0351	0.0229	
43 Cyclohexane	84	10.539	10.528	0.011	65	1202	0.0351	0.0197	
44 1,1,1-Trichloroethane	97	10.566	10.566	0.000	89	3138	0.0351	0.0344	
45 Carbon tetrachloride	117	10.812	10.828	-0.016	97	2769	0.0351	0.0310	
46 Isooctane	57		11.272				ND	ND	
47 Benzene	78	11.331	11.325	0.006	50	3305	0.0351	0.0227	
48 1,2-Dichloroethane	62		11.528				ND	ND	
49 n-Heptane	43	11.694	11.694	0.000	83	2437	0.0351	0.0293	
* 50 1,4-Difluorobenzene	114	12.224	12.229	-0.005	94	2275512	10.0	10.0	
52 n-Butanol	56	12.732	12.679	0.053	64	2284	0.0351	0.0731	
53 Trichloroethene	95	12.711	12.716	-0.005	93	2423	0.0351	0.0379	M
A 51 GRO	1	13.190	(4.682-21.698)		0	8167001	0.0351	0	
54 1,2-Dichloropropane	63	13.315	13.315	0.000	90	1440	0.0351	0.0266	
55 Methyl methacrylate	69		13.497				ND	ND	
56 1,4-Dioxane	88	13.642	13.561	0.081	39	1130	0.0351	0.0359	
57 Dibromomethane	174	13.583	13.588	-0.005	90	2119	0.0351	0.0366	
58 Dichlorobromomethane	83	13.898	13.904	-0.006	90	3659	0.0351	0.0370	
60 cis-1,3-Dichloropropene	75	14.883	14.877	0.006	85	2698	0.0351	0.0315	
A 59 TVOC as Toluene	92	15.097	(3.034-27.160)		0	8746772	0.0351	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.236	15.193	0.043	93	6695	0.0351	0.0627	
65 Toluene	92	15.493	15.487	0.006	92	3902	0.0351	0.0371	
64 n-Octane	43	15.546	15.546	0.000	83	5088	0.0351	0.0443	
66 trans-1,3-Dichloropropene	75	16.129	16.135	-0.006	43	3718	0.0351	0.0458	
67 1,1,2-Trichloroethane	83	16.530	16.525	0.005	91	1349	0.0351	0.0261	
68 Tetrachloroethene	166	16.616	16.616	0.000	91	2897	0.0351	0.0339	
69 2-Hexanone	43	17.039	17.007	0.032	93	5766	0.0351	0.0554	
71 Chlorodibromomethane	129	17.322	17.328	-0.006	95	3347	0.0351	0.0322	
72 Ethylene Dibromide	107	17.611	17.606	0.005	96	1909	0.0351	0.0204	
* 74 Chlorobenzene-d5	117	18.553	18.553	0.000	86	2035989	10.0	10.0	
75 Chlorobenzene	112	18.617	18.617	0.000	96	5294	0.0351	0.0371	
76 Ethylbenzene	91	18.777	18.777	0.000	98	8916	0.0351	0.0379	
77 n-Nonane	57	18.906	18.916	-0.010	85	4533	0.0351	0.0399	
78 m-Xylene & p-Xylene	106	19.045	19.045	0.000	0	6199	0.0702	0.0678	
S 73 Xylenes, Total	106				0		0.1052	0.1018	
79 o-Xylene	106	19.933	19.938	-0.005	96	2967	0.0351	0.0340	
80 Styrene	104	20.002	20.002	0.000	95	4335	0.0351	0.0305	
81 Bromoform	173	20.473	20.473	0.000	95	2970	0.0351	0.0285	
82 Isopropylbenzene	105	20.693	20.703	-0.011	95	8905	0.0351	0.0340	
84 1,1,2,2-Tetrachloroethane	83	21.431	21.431	0.000	93	4497	0.0351	0.0333	
85 N-Propylbenzene	91	21.490	21.490	0.000	99	10572	0.0351	0.0334	
86 1,2,3-Trichloropropane	75	21.527	21.532	-0.005	95	3950	0.0351	0.0358	
87 n-Decane	57	21.688	21.688	0.000	62	5089	0.0351	0.0357	
88 4-Ethyltoluene	105	21.693	21.698	-0.005	88	8723	0.0351	0.0334	
89 2-Chlorotoluene	91	21.704	21.704	0.000	89	7935	0.0351	0.0363	
90 1,3,5-Trimethylbenzene	105	21.811	21.816	-0.005	92	6929	0.0351	0.0320	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.206	22.206	0.000	87	3202	0.0351	0.0292	
92 tert-Butylbenzene	119	22.330	22.335	-0.005	93	6667	0.0351	0.0326	
93 1,2,4-Trimethylbenzene	105	22.437	22.437	-0.001	96	6964	0.0351	0.0325	
94 sec-Butylbenzene	105	22.677	22.677	0.000	98	10275	0.0351	0.0326	
95 4-Isopropyltoluene	119	22.891	22.891	0.000	97	8333	0.0351	0.0318	
96 1,3-Dichlorobenzene	146	22.923	22.923	0.000	97	5088	0.0351	0.0343	
97 1,4-Dichlorobenzene	146	23.068	23.062	0.006	94	5133	0.0351	0.0349	
98 Benzyl chloride	91	23.271	23.271	0.000	97	7039	0.0351	0.0374	
100 n-Butylbenzene	91	23.490	23.490	0.000	98	7202	0.0351	0.0297	
99 Undecane	57	23.517	23.517	0.000	95	4826	0.0351	0.0341	
101 1,2-Dichlorobenzene	146	23.613	23.613	0.000	92	4590	0.0351	0.0328	
102 Dodecane	57	25.138	25.138	0.000	93	3723	0.0351	0.0374	
103 1,2,4-Trichlorobenzene	180	26.176	26.176	0.000	90	2939	0.0351	0.0294	
104 Hexachlorobutadiene	225	26.353	26.363	-0.011	93	3180	0.0351	0.0325	
105 Naphthalene	128	26.673	26.668	0.005	99	6992	0.0351	0.0331	
106 1,2,3-Trichlorobenzene	180	27.144	27.150	-0.006	90	2300	0.0351	0.0259	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00195

Amount Added: 35.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_04.D

Injection Date: 03-Jul-2018 17:35:30

Instrument ID: CHX.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 3

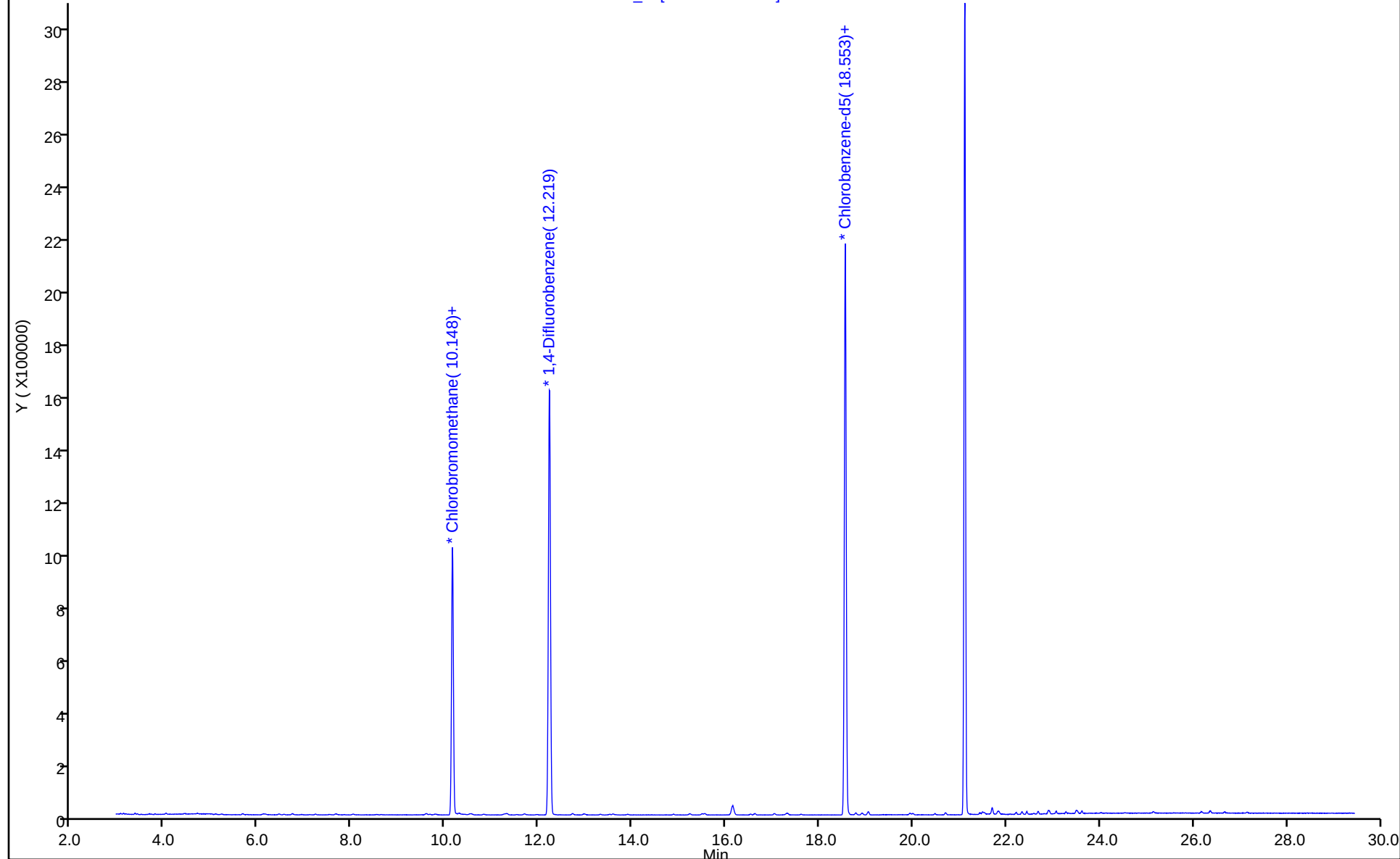
Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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

31226_04[MS SCAN Chro]:Total



TestAmerica Burlington

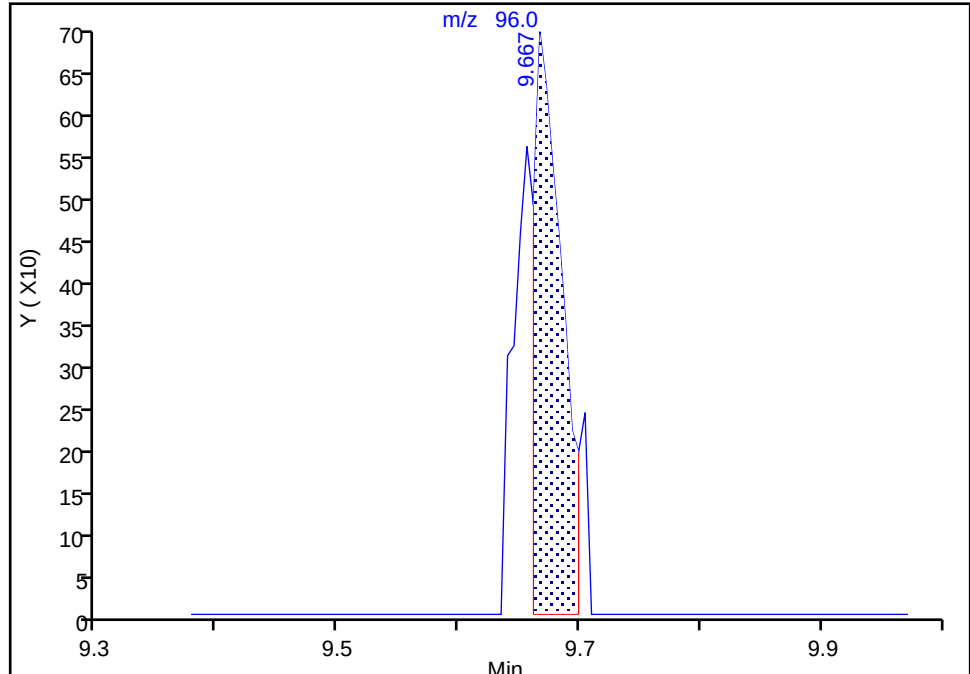
Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_04.D
Injection Date: 03-Jul-2018 17:35:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

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

Signal: 1

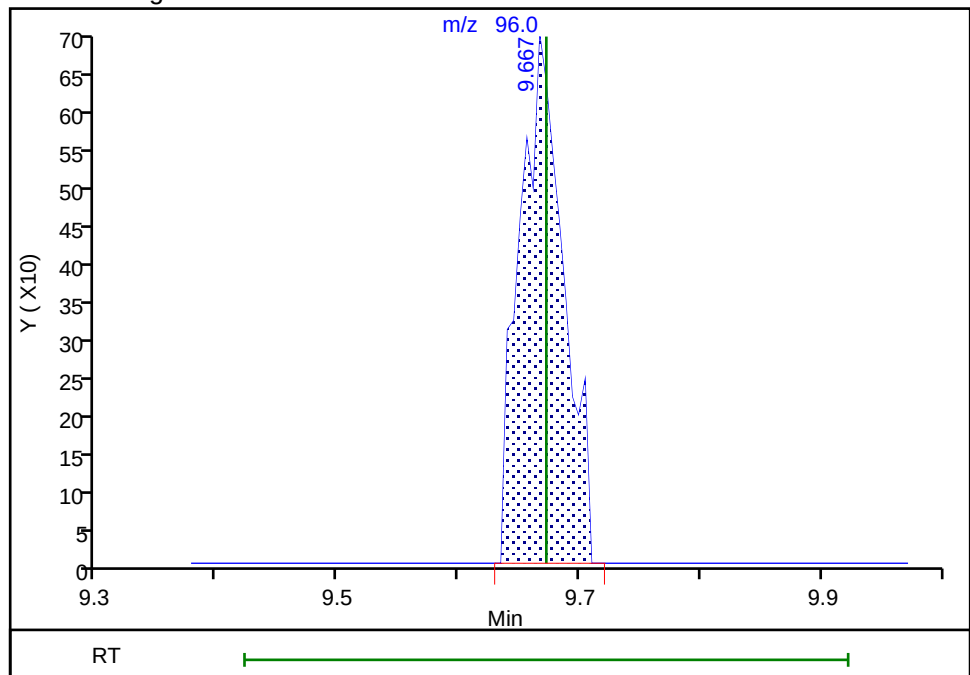
RT: 9.67
Area: 1144
Amount: 0.027113
Amount Units: ppb v/v

Processing Integration Results



RT: 9.67
Area: 1750
Amount: 0.038490
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 05-Jul-2018 09:52:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 92 of 216

07/24/2018

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_04.D

Injection Date: 03-Jul-2018 17:35:30

Instrument ID: CHX.i

Lims ID: ic

Client ID:

Operator ID: pad

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_X.m

Limit Group:

AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector

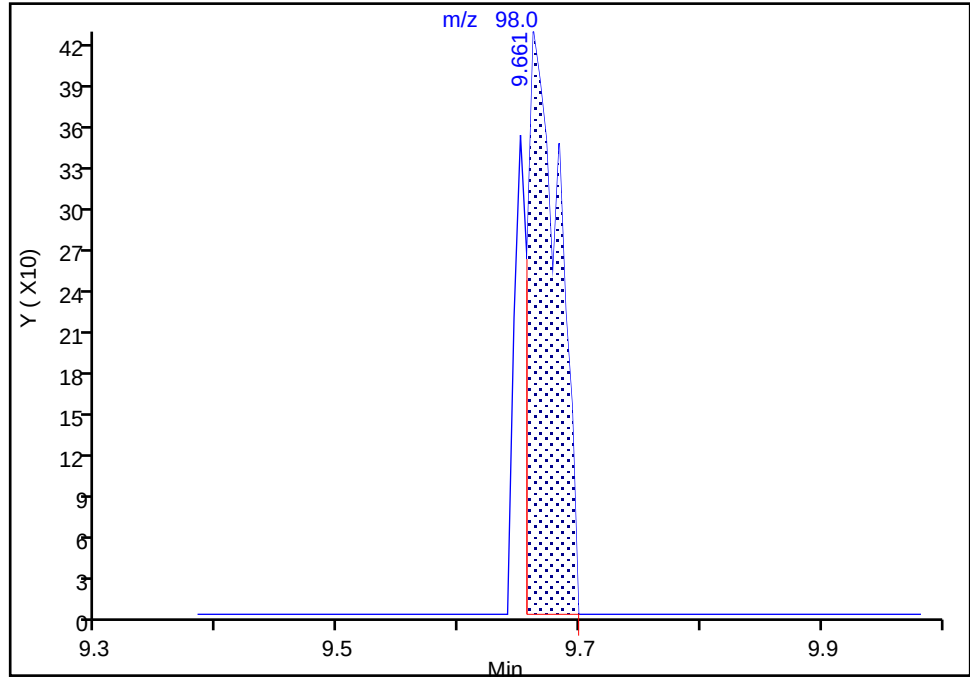
MS SCAN

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

Signal: 2

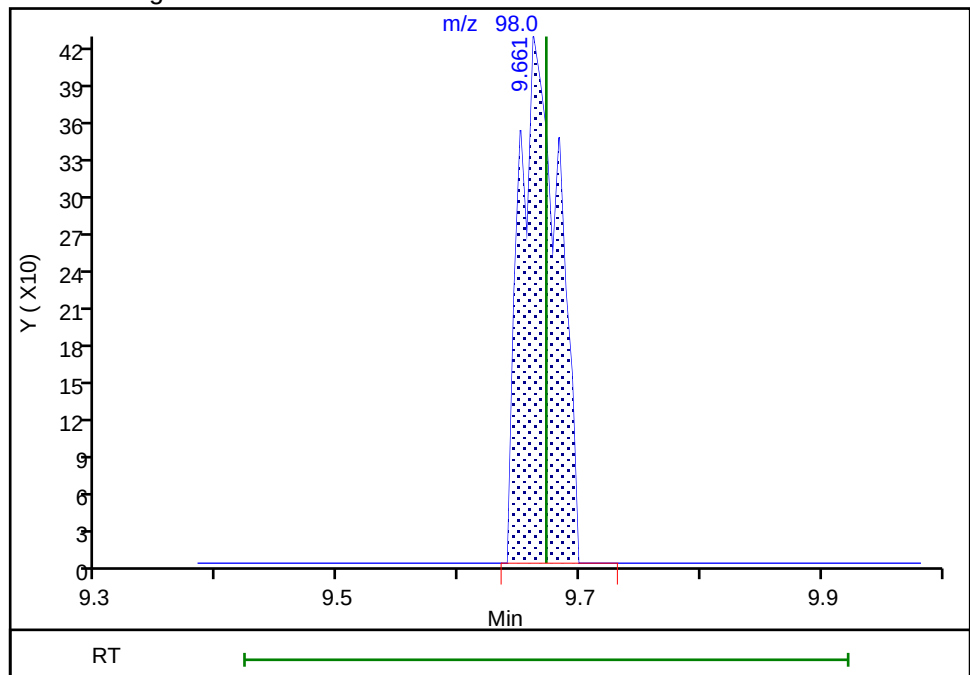
RT: 9.66
Area: 770
Amount: 0.027113
Amount Units: ppb v/v

Processing Integration Results



RT: 9.66
Area: 953
Amount: 0.038490
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 05-Jul-2018 09:52:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Burlington

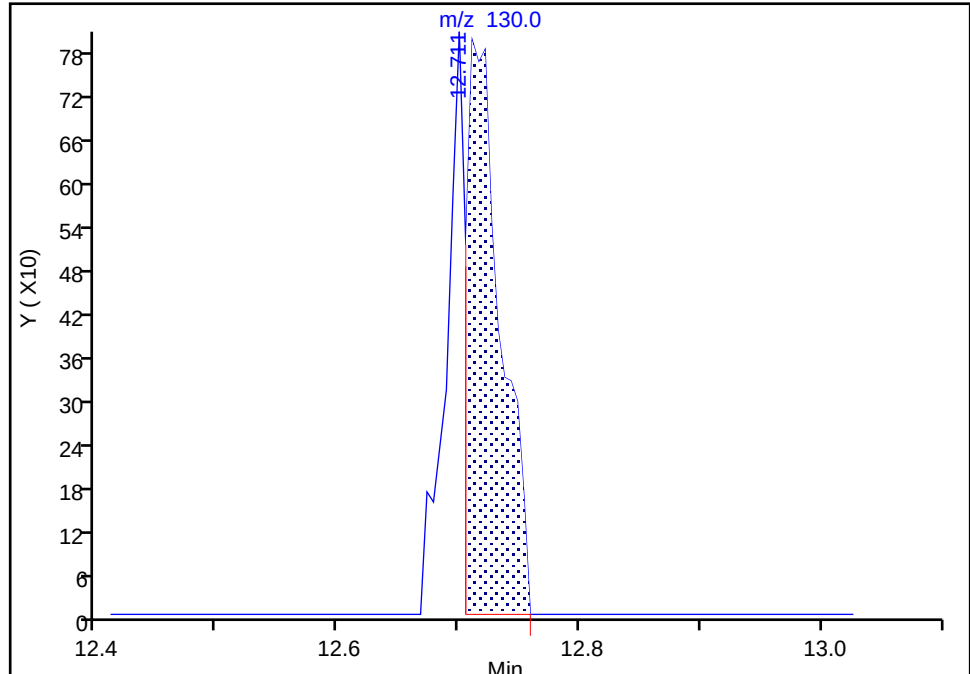
Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_04.D		
Injection Date:	03-Jul-2018 17:35:30	Instrument ID:	CHX.i
Lims ID:	ic		
Client ID:			
Operator ID:	pad	ALS Bottle#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	4

53 Trichloroethene, CAS: 79-01-6

Signal: 2

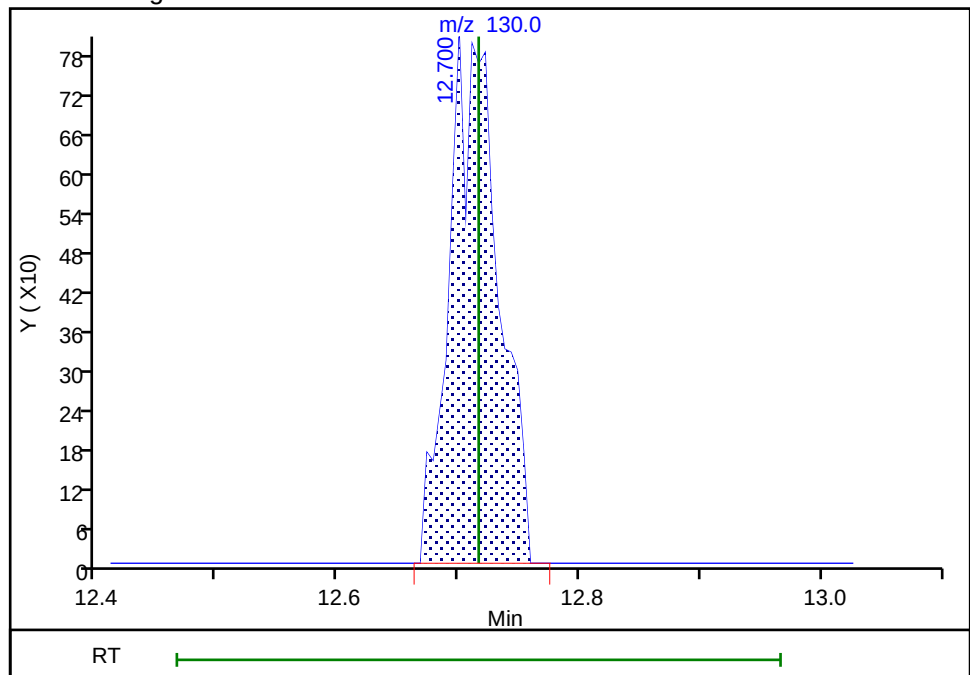
RT: 12.71
Area: 1576
Amount: 0.037368
Amount Units: ppb v/v

Processing Integration Results



RT: 12.70
Area: 2302
Amount: 0.037867
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 05-Jul-2018 09:53:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 94 of 216

07/24/2018

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_05.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 03-Jul-2018 18:25:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0031226-005
 Operator ID: pad Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub1
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Jul-2018 10:10:11 Calib Date: 04-Jul-2018 01:08:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 05-Jul-2018 09:55:01

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	3.044	3.044	0.000	98	5486	0.2004	0.2061	
2 Dichlorodifluoromethane	85	3.108	3.108	0.000	99	16952	0.2004	0.1926	
3 Chlorodifluoromethane	51	3.156	3.156	0.000	97	10868	0.2004	0.1971	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.349	3.354	-0.005	92	18653	0.2004	0.1937	
5 Chloromethane	50	3.488	3.483	0.005	98	6781	0.2004	0.2021	
6 Butane	43	3.664	3.664	0.000	98	10997	0.2004	0.1996	
7 Vinyl chloride	62	3.712	3.707	0.005	98	7673	0.2004	0.1973	
8 Butadiene	54	3.777	3.777	0.000	94	5720	0.2004	0.1983	
10 Bromomethane	94	4.413	4.413	0.000	98	6777	0.2004	0.1966	
11 Chloroethane	64	4.627	4.633	-0.006	99	4078	0.2004	0.2101	
12 2-Methylbutane	43	4.681	4.692	-0.011	90	8241	0.2004	0.1927	
13 Vinyl bromide	106	4.991	4.996	-0.005	96	6708	0.2004	0.1949	
14 Trichlorofluoromethane	101	5.082	5.087	-0.005	99	17336	0.2004	0.1923	
16 Pentane	43	5.205	5.216	-0.011	96	13224	0.2004	0.1936	
17 Ethanol	45	5.649	5.633	0.016	96	12566	0.4009	0.6203	
18 Ethyl ether	59	5.745	5.713	0.032	94	5168	0.2004	0.1979	
19 Acrolein	56	6.104	6.093	0.011	50	4450	0.2004	0.2996	
20 1,1,2-Trichloro-1,2,2-trif	101	6.093	6.104	-0.011	97	15454	0.2004	0.1935	
21 1,1-Dichloroethene	96	6.147	6.157	-0.010	97	7705	0.2004	0.1970	
22 Acetone	43	6.425	6.398	0.027	96	24979	0.2004	0.4601	
23 Carbon disulfide	76	6.537	6.548	-0.011	99	22292	0.2004	0.1943	
24 Isopropyl alcohol	45	6.714	6.676	0.038	100	18405	0.2004	0.2971	
25 3-Chloro-1-propene	41	6.917	6.922	-0.005	92	9153	0.2004	0.2043	
26 Acetonitrile	41	7.088	7.072	0.016	99	5904	0.2004	0.2164	
27 Methylene Chloride	49	7.211	7.222	-0.011	93	9248	0.2004	0.2033	
28 2-Methyl-2-propanol	59	7.489	7.447	0.042	93	15042	0.2004	0.1898	
29 Methyl tert-butyl ether	73	7.650	7.618	0.032	97	21375	0.2004	0.1920	
31 trans-1,2-Dichloroethene	61	7.645	7.655	-0.011	97	11447	0.2004	0.1959	
32 Acrylonitrile	53	7.821	7.821	0.000	91	5369	0.2004	0.1880	
33 Hexane	57	8.019	8.024	-0.005	92	13059	0.2004	0.2044	
34 1,1-Dichloroethane	63	8.527	8.538	-0.011	99	13783	0.2004	0.1875	

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	8.618	8.613	0.005	100	19391	0.2004	0.1915	
S 30 1,2-Dichloroethene, Total	61				0		0.4009	0.3907	
37 cis-1,2-Dichloroethene	96	9.667	9.672	-0.005	93	8731	0.2004	0.1947	
38 2-Butanone (MEK)	72	9.736	9.731	0.005	97	4777	0.2004	0.2112	
39 Ethyl acetate	88	9.768	9.768	0.000	98	438	0.2004	0.1217	
* 40 Chlorobromomethane	128	10.143	10.154	-0.011	93	411707	10.0	10.0	
41 Tetrahydrofuran	42	10.207	10.164	0.043	88	9704	0.2004	0.2098	
42 Chloroform	83	10.282	10.287	-0.005	95	17614	0.2004	0.1989	
43 Cyclohexane	84	10.517	10.528	-0.011	98	11629	0.2004	0.1936	
44 1,1,1-Trichloroethane	97	10.560	10.566	-0.006	96	17282	0.2004	0.1929	
45 Carbon tetrachloride	117	10.822	10.828	-0.006	98	16555	0.2004	0.1884	
46 Isooctane	57	11.272	11.272	0.000	98	44201	0.2004	0.1942	
47 Benzene	78	11.320	11.325	-0.005	97	27821	0.2004	0.1943	
48 1,2-Dichloroethane	62	11.523	11.528	-0.005	95	10794	0.2004	0.1938	
49 n-Heptane	43	11.684	11.694	-0.010	91	16834	0.2004	0.2054	
* 50 1,4-Difluorobenzene	114	12.224	12.229	-0.005	94	2238498	10.0	10.0	
52 n-Butanol	56	12.705	12.679	0.026	55	7777	0.2004	0.2529	
53 Trichloroethene	95	12.711	12.716	-0.005	97	12087	0.2004	0.1920	
A 51 GRO	1	13.190	(4.682-21.698)		0	11372101	0.2004	0	
54 1,2-Dichloropropane	63	13.305	13.315	-0.011	91	10181	0.2004	0.1914	
55 Methyl methacrylate	69	13.502	13.497	0.005	99	10180	0.2004	0.1966	
56 1,4-Dioxane	88	13.609	13.561	0.048	91	6092	0.2004	0.1970	
57 Dibromomethane	174	13.588	13.588	0.000	96	10907	0.2004	0.1916	
58 Dichlorobromomethane	83	13.888	13.904	-0.016	99	17773	0.2004	0.1825	
60 cis-1,3-Dichloropropene	75	14.877	14.877	0.000	91	16149	0.2004	0.1919	
A 59 TVOC as Toluene	92	15.097	(3.034-27.160)		0	13382575	0.2004	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.214	15.193	0.021	95	21384	0.2004	0.2034	
65 Toluene	92	15.487	15.487	0.000	92	20190	0.2004	0.1980	
64 n-Octane	43	15.546	15.546	0.000	89	22523	0.2004	0.1995	
66 trans-1,3-Dichloropropene	75	16.134	16.135	-0.001	87	18125	0.2004	0.2271	
67 1,1,2-Trichloroethane	83	16.530	16.525	0.005	96	10039	0.2004	0.1999	
68 Tetrachloroethene	166	16.611	16.616	-0.005	96	15701	0.2004	0.1892	
69 2-Hexanone	43	17.028	17.007	0.021	96	21152	0.2004	0.2095	
71 Chlorodibromomethane	129	17.322	17.328	-0.006	98	18184	0.2004	0.1801	
72 Ethylene Dibromide	107	17.606	17.606	0.000	97	17231	0.2004	0.1900	
* 74 Chlorobenzene-d5	117	18.553	18.553	0.000	86	1976472	10.0	10.0	
75 Chlorobenzene	112	18.617	18.617	0.000	94	27067	0.2004	0.1953	
76 Ethylbenzene	91	18.777	18.777	0.000	98	43168	0.2004	0.1890	
77 n-Nonane	57	18.916	18.916	0.000	88	21879	0.2004	0.1986	
78 m-Xylene & p-Xylene	106	19.045	19.045	0.000	0	33733	0.4009	0.3802	
S 73 Xylenes, Total	106				0		0.6013	0.5686	
79 o-Xylene	106	19.938	19.938	0.000	98	15956	0.2004	0.1885	
80 Styrene	104	19.997	20.002	-0.005	97	24368	0.2004	0.1769	
81 Bromoform	173	20.473	20.473	0.000	97	16731	0.2004	0.1657	
82 Isopropylbenzene	105	20.698	20.703	-0.005	96	47226	0.2004	0.1856	
84 1,1,2,2-Tetrachloroethane	83	21.431	21.431	0.000	99	23671	0.2004	0.1808	
85 N-Propylbenzene	91	21.490	21.490	0.000	99	57021	0.2004	0.1856	
86 1,2,3-Trichloropropane	75	21.532	21.532	0.000	99	19330	0.2004	0.1804	
87 n-Decane	57	21.687	21.688	-0.001	91	23569	0.2004	0.1702	
88 4-Ethyltoluene	105	21.698	21.698	0.000	95	46392	0.2004	0.1832	
89 2-Chlorotoluene	91	21.698	21.704	-0.006	90	38176	0.2004	0.1797	
90 1,3,5-Trimethylbenzene	105	21.816	21.816	0.000	93	37864	0.2004	0.1801	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.206	22.206	0.000	89	18099	0.2004	0.1703	
92 tert-Butylbenzene	119	22.329	22.335	-0.006	93	36381	0.2004	0.1830	
93 1,2,4-Trimethylbenzene	105	22.436	22.437	-0.001	97	37107	0.2004	0.1783	
94 sec-Butylbenzene	105	22.677	22.677	0.000	99	55056	0.2004	0.1799	
95 4-Isopropyltoluene	119	22.891	22.891	0.000	98	45284	0.2004	0.1781	
96 1,3-Dichlorobenzene	146	22.918	22.923	-0.005	97	26575	0.2004	0.1847	
97 1,4-Dichlorobenzene	146	23.062	23.062	0.000	94	26753	0.2004	0.1871	
98 Benzyl chloride	91	23.271	23.271	0.000	99	32171	0.2004	0.1760	
100 n-Butylbenzene	91	23.490	23.490	0.000	100	40064	0.2004	0.1704	
99 Undecane	57	23.517	23.517	0.000	94	22872	0.2004	0.1663	
101 1,2-Dichlorobenzene	146	23.613	23.613	0.000	95	24258	0.2004	0.1785	
102 Dodecane	57	25.143	25.138	0.005	98	15828	0.2004	0.1638	
103 1,2,4-Trichlorobenzene	180	26.171	26.176	-0.005	94	15453	0.2004	0.1592	
104 Hexachlorobutadiene	225	26.363	26.363	0.000	97	17063	0.2004	0.1798	
105 Naphthalene	128	26.663	26.668	-0.005	99	32417	0.2004	0.1581	
106 1,2,3-Trichlorobenzene	180	27.144	27.150	-0.006	95	12485	0.2004	0.1450	

Reagents:

ATTO15CAL1w_00195

Amount Added: 200.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_05.D

Injection Date: 03-Jul-2018 18:25:30

Instrument ID: CHX.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

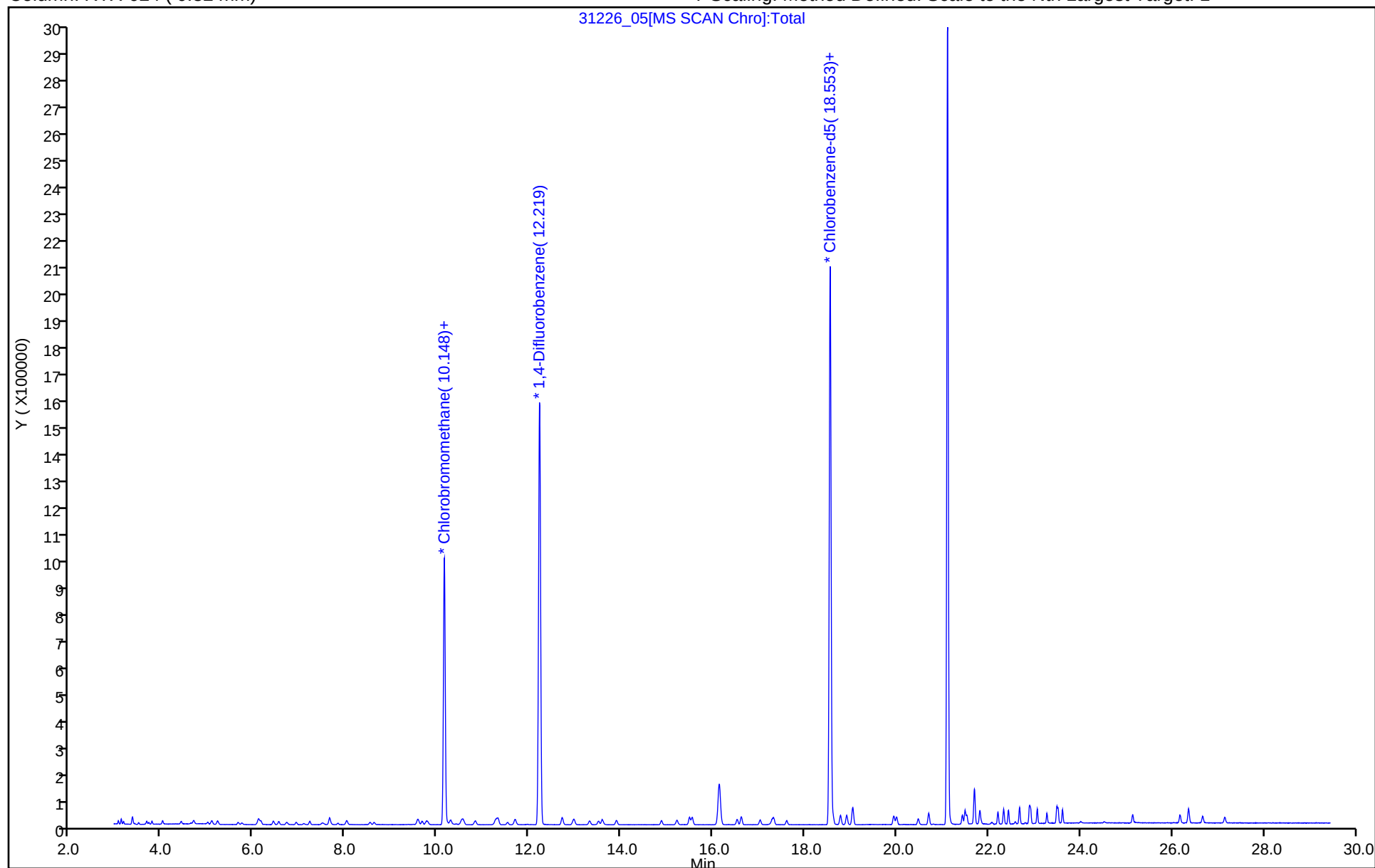
ALS Bottle#: 4

Method: TO15_MasterMethod_X.m

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\CHX.i\20180703-31226.b\31226_07.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 03-Jul-2018 20:06:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0031226-007
 Operator ID: pad Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub1
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Jul-2018 10:10:19 Calib Date: 04-Jul-2018 01:08:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 05-Jul-2018 09:56:36

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	3.044	3.044	0.000	98	14726	0.5005	0.5782	
2 Dichlorodifluoromethane	85	3.108	3.108	0.000	99	43910	0.5005	0.5214	
3 Chlorodifluoromethane	51	3.156	3.156	0.000	97	28243	0.5005	0.5354	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.349	3.354	-0.005	94	47780	0.5005	0.5186	
5 Chloromethane	50	3.482	3.483	-0.001	99	17508	0.5005	0.5452	
6 Butane	43	3.664	3.664	0.000	98	29471	0.5005	0.5590	
7 Vinyl chloride	62	3.707	3.707	0.000	98	19765	0.5005	0.5313	
8 Butadiene	54	3.771	3.777	-0.006	96	14620	0.5005	0.5296	
10 Bromomethane	94	4.408	4.413	-0.005	99	17410	0.5005	0.5279	
11 Chloroethane	64	4.627	4.633	-0.006	99	9939	0.5005	0.5352	
12 2-Methylbutane	43	4.681	4.692	-0.011	92	21890	0.5005	0.5349	
13 Vinyl bromide	106	4.991	4.996	-0.005	96	17379	0.5005	0.5277	
14 Trichlorofluoromethane	101	5.077	5.087	-0.010	98	44937	0.5005	0.5210	
16 Pentane	43	5.205	5.216	-0.011	99	35992	0.5005	0.5506	
17 Ethanol	45	5.633	5.633	0.000	98	125781	5.01	6.49	
18 Ethyl ether	59	5.729	5.713	0.016	97	13089	0.5005	0.5238	
19 Acrolein	56	6.098	6.093	0.005	47	9611	0.5005	0.6763	
20 1,1,2-Trichloro-1,2,2-trif	101	6.098	6.104	-0.006	97	39781	0.5005	0.5205	
21 1,1-Dichloroethene	96	6.147	6.157	-0.010	96	18645	0.5005	0.4983	
22 Acetone	43	6.409	6.398	0.011	97	48782	0.5005	0.9391	
23 Carbon disulfide	76	6.537	6.548	-0.011	99	56765	0.5005	0.5171	
24 Isopropyl alcohol	45	6.703	6.676	0.027	100	37961	0.5005	0.6404	
25 3-Chloro-1-propene	41	6.922	6.922	0.000	94	22810	0.5005	0.5322	
26 Acetonitrile	41	7.077	7.072	0.005	99	15594	0.5005	0.5975	
27 Methylene Chloride	49	7.211	7.222	-0.011	95	24839	0.5005	0.5707	
28 2-Methyl-2-propanol	59	7.484	7.447	0.037	94	38392	0.5005	0.5064	
29 Methyl tert-butyl ether	73	7.634	7.618	0.016	97	55315	0.5005	0.5193	
31 trans-1,2-Dichloroethene	61	7.644	7.655	-0.011	98	29010	0.5005	0.5189	
32 Acrylonitrile	53	7.826	7.821	0.005	95	14542	0.5005	0.5323	
33 Hexane	57	8.014	8.024	-0.010	93	33677	0.5005	0.5510	
34 1,1-Dichloroethane	63	8.527	8.538	-0.011	100	36761	0.5005	0.5228	

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	8.613	8.613	0.000	100	51285	0.5005	0.5295	
S 30 1,2-Dichloroethene, Total	61				0		1.00	1.04	
37 cis-1,2-Dichloroethene	96	9.667	9.672	-0.005	95	22300	0.5005	0.5199	
38 2-Butanone (MEK)	72	9.742	9.731	0.011	99	12441	0.5005	0.5750	
39 Ethyl acetate	88	9.763	9.768	-0.005	97	1664	0.5005	0.4834	
* 40 Chlorobromomethane	128	10.148	10.154	-0.006	94	393935	10.0	10.0	
41 Tetrahydrofuran	42	10.191	10.164	0.027	97	25064	0.5005	0.5657	
42 Chloroform	83	10.277	10.287	-0.011	96	43430	0.5005	0.5125	
43 Cyclohexane	84	10.523	10.528	-0.005	98	29472	0.5005	0.5122	
44 1,1,1-Trichloroethane	97	10.555	10.566	-0.011	96	43822	0.5005	0.5106	
45 Carbon tetrachloride	117	10.822	10.828	-0.006	98	42698	0.5005	0.5072	
46 Isooctane	57	11.272	11.272	0.000	99	112372	0.5005	0.5155	
47 Benzene	78	11.320	11.325	-0.005	96	70547	0.5005	0.5143	
48 1,2-Dichloroethane	62	11.523	11.528	-0.005	96	27493	0.5005	0.5153	
49 n-Heptane	43	11.683	11.694	-0.011	92	42027	0.5005	0.5353	
* 50 1,4-Difluorobenzene	114	12.224	12.229	-0.005	94	2144200	10.0	10.0	
52 n-Butanol	56	12.711	12.679	0.032	56	18750	0.5005	0.6366	
53 Trichloroethene	95	12.711	12.716	-0.005	98	30499	0.5005	0.5058	
A 51 GRO	1	13.190	(4.682-21.698)		0	16404051	0.5005	0	
54 1,2-Dichloropropane	63	13.310	13.315	-0.005	93	26472	0.5005	0.5196	
55 Methyl methacrylate	69	13.502	13.497	0.005	97	25503	0.5005	0.5142	
56 1,4-Dioxane	88	13.593	13.561	0.032	62	16079	0.5005	0.5428	
57 Dibromomethane	174	13.583	13.588	-0.005	97	27495	0.5005	0.5042	
58 Dichlorobromomethane	83	13.893	13.904	-0.011	98	48029	0.5005	0.5150	
60 cis-1,3-Dichloropropene	75	14.877	14.877	0.000	92	40521	0.5005	0.5026	
A 59 TVOC as Toluene	92	15.097	(3.034-27.160)		0	21355961	0.5005	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.209	15.193	0.016	96	53669	0.5005	0.5330	
65 Toluene	92	15.487	15.487	0.000	93	50901	0.5005	0.5082	
64 n-Octane	43	15.546	15.546	0.000	91	54987	0.5005	0.5084	
66 trans-1,3-Dichloropropene	75	16.134	16.135	-0.001	73	38613	0.5005	0.5051	
67 1,1,2-Trichloroethane	83	16.520	16.525	-0.005	96	24638	0.5005	0.4996	
68 Tetrachloroethene	166	16.616	16.616	0.000	98	40967	0.5005	0.5028	
69 2-Hexanone	43	17.017	17.007	0.010	94	56497	0.5005	0.5699	
71 Chlorodibromomethane	129	17.322	17.328	-0.006	98	47087	0.5005	0.4749	
72 Ethylene Dibromide	107	17.600	17.606	-0.006	98	44098	0.5005	0.4951	
* 74 Chlorobenzene-d5	117	18.552	18.553	-0.001	86	1941024	10.0	10.0	
75 Chlorobenzene	112	18.617	18.617	0.000	94	68843	0.5005	0.5058	
76 Ethylbenzene	91	18.777	18.777	0.000	98	112054	0.5005	0.4996	
77 n-Nonane	57	18.906	18.916	-0.010	91	53528	0.5005	0.4948	
78 m-Xylene & p-Xylene	106	19.045	19.045	0.000	0	86215	1.00	0.9894	
S 73 Xylenes, Total	106				0		1.50	1.49	
79 o-Xylene	106	19.938	19.938	0.000	98	41528	0.5005	0.4995	
80 Styrene	104	20.002	20.002	0.000	98	63171	0.5005	0.4670	
81 Bromoform	173	20.473	20.473	0.000	97	45527	0.5005	0.4590	
82 Isopropylbenzene	105	20.698	20.703	-0.005	96	122736	0.5005	0.4912	
84 1,1,2,2-Tetrachloroethane	83	21.431	21.431	0.000	98	63584	0.5005	0.4945	
85 N-Propylbenzene	91	21.489	21.490	-0.001	99	147987	0.5005	0.4905	
86 1,2,3-Trichloropropane	75	21.527	21.532	-0.005	99	53461	0.5005	0.5080	
87 n-Decane	57	21.687	21.688	-0.001	90	62258	0.5005	0.4578	
88 4-Ethyltoluene	105	21.693	21.698	-0.005	97	122257	0.5005	0.4916	
89 2-Chlorotoluene	91	21.698	21.704	-0.006	97	101577	0.5005	0.4870	
90 1,3,5-Trimethylbenzene	105	21.810	21.816	-0.006	93	101474	0.5005	0.4913	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.206	22.206	0.000	89	47267	0.5005	0.4529	
92 tert-Butylbenzene	119	22.329	22.335	-0.006	94	96004	0.5005	0.4918	
93 1,2,4-Trimethylbenzene	105	22.431	22.437	-0.006	98	99426	0.5005	0.4864	
94 sec-Butylbenzene	105	22.677	22.677	0.000	99	147432	0.5005	0.4906	
95 4-Isopropyltoluene	119	22.891	22.891	0.000	98	119950	0.5005	0.4803	
96 1,3-Dichlorobenzene	146	22.918	22.923	-0.005	98	67264	0.5005	0.4760	
97 1,4-Dichlorobenzene	146	23.062	23.062	0.000	95	66539	0.5005	0.4739	
98 Benzyl chloride	91	23.271	23.271	0.000	99	86888	0.5005	0.4840	
100 n-Butylbenzene	91	23.485	23.490	-0.005	98	107432	0.5005	0.4652	
99 Undecane	57	23.517	23.517	0.000	95	53025	0.5005	0.3925	
101 1,2-Dichlorobenzene	146	23.613	23.613	0.000	96	65066	0.5005	0.4876	
102 Dodecane	57	25.143	25.138	0.005	97	29223	0.5005	0.3080	
103 1,2,4-Trichlorobenzene	180	26.176	26.176	0.000	94	34427	0.5005	0.3612	
104 Hexachlorobutadiene	225	26.363	26.363	0.000	98	43616	0.5005	0.4681	
105 Naphthalene	128	26.668	26.668	0.000	99	62552	0.5005	0.3106	
106 1,2,3-Trichlorobenzene	180	27.144	27.150	-0.006	96	31526	0.5005	0.3727	

Reagents:

ATTO15CAL2w_00267

Amount Added: 200.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_07.D

Injection Date: 03-Jul-2018 20:06:30

Instrument ID: CHX.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 7

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

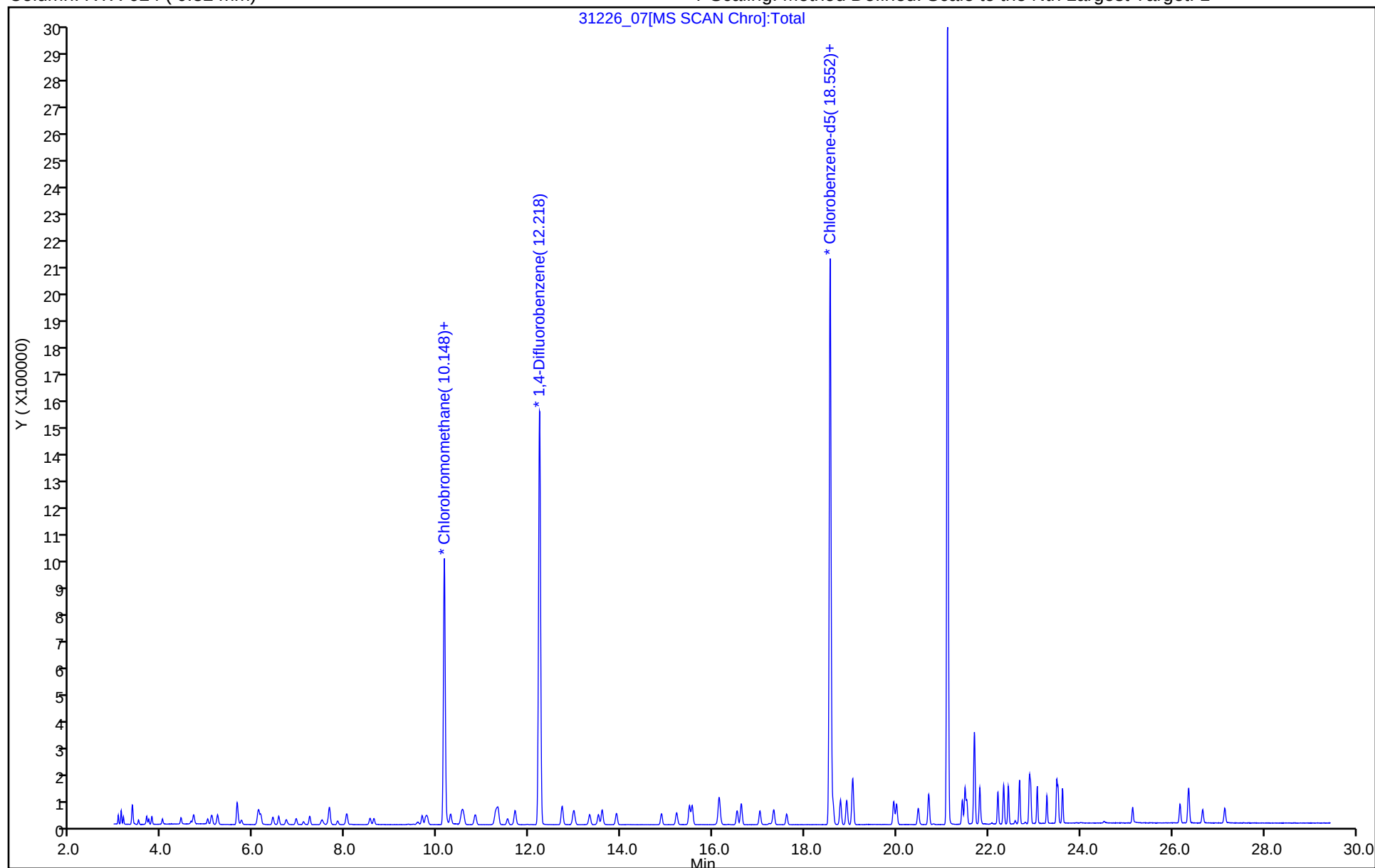
ALS Bottle#: 6

Method: TO15_MasterMethod_X.m

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\CHX.i\20180703-31226.b\31226_09.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 03-Jul-2018 21:47:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0031226-009
 Operator ID: pad Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub1
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Jul-2018 10:10:28 Calib Date: 04-Jul-2018 01:08:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 05-Jul-2018 09:57:49

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	3.039	3.044	-0.005	98	135983	4.99	5.39	
2 Dichlorodifluoromethane	85	3.103	3.108	-0.005	99	422334	4.99	5.06	
3 Chlorodifluoromethane	51	3.151	3.156	-0.005	97	268953	4.99	5.15	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.349	3.354	-0.005	97	461695	4.99	5.06	
5 Chloromethane	50	3.483	3.483	0.000	99	163554	4.99	5.14	
6 Butane	43	3.664	3.664	0.000	99	275319	4.99	5.27	
7 Vinyl chloride	62	3.702	3.707	-0.005	98	191515	4.99	5.20	
8 Butadiene	54	3.777	3.777	0.000	96	138322	4.99	5.06	
10 Bromomethane	94	4.408	4.413	-0.005	99	162077	4.99	4.96	
11 Chloroethane	64	4.622	4.633	-0.011	100	92416	4.99	5.02	
12 2-Methylbutane	43	4.686	4.692	-0.006	95	214139	4.99	5.28	
13 Vinyl bromide	106	4.991	4.996	-0.005	99	159679	4.99	4.89	
14 Trichlorofluoromethane	101	5.077	5.087	-0.010	98	425824	4.99	4.98	
16 Pentane	43	5.205	5.216	-0.011	98	335616	4.99	5.18	
17 Ethanol	45	5.628	5.633	-0.005	97	219169	10.0	11.4	
18 Ethyl ether	59	5.713	5.713	0.000	98	125073	4.99	5.05	
19 Acrolein	56	6.093	6.093	0.000	92	73040	4.99	5.19	
20 1,1,2-Trichloro-1,2,2-trif	101	6.099	6.104	-0.005	98	377845	4.99	4.99	
21 1,1-Dichloroethene	96	6.152	6.157	-0.005	96	180158	4.99	4.86	
22 Acetone	43	6.398	6.398	0.000	97	271004	4.99	5.27	
23 Carbon disulfide	76	6.537	6.548	-0.011	99	543467	4.99	5.00	
24 Isopropyl alcohol	45	6.676	6.676	0.000	99	311456	4.99	5.30	
25 3-Chloro-1-propene	41	6.917	6.922	-0.005	94	225884	4.99	5.32	
26 Acetonitrile	41	7.072	7.072	0.000	100	135523	4.99	5.24	
27 Methylene Chloride	49	7.217	7.222	-0.005	96	219436	4.99	5.09	
28 2-Methyl-2-propanol	59	7.441	7.447	-0.006	93	382565	4.99	5.09	
29 Methyl tert-butyl ether	73	7.618	7.618	0.000	97	533001	4.99	5.05	
31 trans-1,2-Dichloroethene	61	7.645	7.655	-0.010	98	281179	4.99	5.08	
32 Acrylonitrile	53	7.816	7.821	-0.005	96	137279	4.99	5.07	
33 Hexane	57	8.019	8.024	-0.005	93	306359	4.99	5.06	
34 1,1-Dichloroethane	63	8.533	8.538	-0.005	99	353604	4.99	5.08	

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	8.608	8.613	-0.005	100	500635	4.99	5.22	
S 30 1,2-Dichloroethene, Total	61				0		9.99	9.92	
37 cis-1,2-Dichloroethene	96	9.667	9.672	-0.005	94	205670	4.99	4.84	
38 2-Butanone (MEK)	72	9.726	9.731	-0.005	99	103586	4.99	4.83	
39 Ethyl acetate	88	9.768	9.768	0.000	99	16586	4.99	4.86	
* 40 Chlorobromomethane	128	10.148	10.154	-0.006	94	390211	10.0	10.0	
41 Tetrahydrofuran	42	10.164	10.164	0.000	94	229735	4.99	5.23	
42 Chloroform	83	10.287	10.287	0.000	95	416498	4.99	4.96	
43 Cyclohexane	84	10.528	10.528	0.000	98	280549	4.99	4.92	
44 1,1,1-Trichloroethane	97	10.566	10.566	0.000	95	416086	4.99	4.89	
45 Carbon tetrachloride	117	10.822	10.828	-0.006	98	420475	4.99	5.04	
46 Isooctane	57	11.272	11.272	0.000	99	1085833	4.99	5.02	
47 Benzene	78	11.320	11.325	-0.005	96	669342	4.99	4.92	
48 1,2-Dichloroethane	62	11.523	11.528	-0.005	97	263817	4.99	4.99	
49 n-Heptane	43	11.689	11.694	-0.005	93	388695	4.99	4.99	
* 50 1,4-Difluorobenzene	114	12.224	12.229	-0.005	94	2125966	10.0	10.0	
52 n-Butanol	56	12.679	12.679	0.000	87	141341	4.99	4.84	
53 Trichloroethene	95	12.716	12.716	0.000	98	287894	4.99	4.82	
A 51 GRO	1	13.190	(4.682-21.698)		0	94690481	4.99	0	
54 1,2-Dichloropropane	63	13.315	13.315	0.000	93	251154	4.99	4.97	
55 Methyl methacrylate	69	13.497	13.497	0.000	97	238079	4.99	4.84	
56 1,4-Dioxane	88	13.567	13.561	0.006	92	143967	4.99	4.90	
57 Dibromomethane	174	13.588	13.588	0.000	98	257505	4.99	4.76	
58 Dichlorobromomethane	83	13.898	13.904	-0.006	98	454844	4.99	4.92	
60 cis-1,3-Dichloropropene	75	14.877	14.877	0.000	91	393407	4.99	4.92	
A 59 TVOC as Toluene	92	15.097	(3.034-27.160)		0	144688309	4.99	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.188	15.193	-0.005	96	495687	4.99	4.97	
65 Toluene	92	15.487	15.487	0.000	93	478422	4.99	4.87	
64 n-Octane	43	15.546	15.546	0.000	92	541608	4.99	5.05	
66 trans-1,3-Dichloropropene	75	16.135	16.135	0.000	96	366361	4.99	4.83	
67 1,1,2-Trichloroethane	83	16.525	16.525	0.000	96	236252	4.99	4.88	
68 Tetrachloroethene	166	16.616	16.616	0.000	98	387017	4.99	4.84	
69 2-Hexanone	43	17.012	17.007	0.005	95	471446	4.99	4.85	
71 Chlorodibromomethane	129	17.328	17.328	0.000	98	478970	4.99	4.93	
72 Ethylene Dibromide	107	17.606	17.606	0.000	98	424170	4.99	4.86	
* 74 Chlorobenzene-d5	117	18.553	18.553	0.000	86	1903611	10.0	10.0	
75 Chlorobenzene	112	18.617	18.617	0.000	95	641446	4.99	4.81	
76 Ethylbenzene	91	18.777	18.777	0.000	98	1079095	4.99	4.91	
77 n-Nonane	57	18.911	18.916	-0.005	90	528746	4.99	4.98	
78 m-Xylene & p-Xylene	106	19.045	19.045	0.000	0	834229	9.99	9.76	
S 73 Xylenes, Total	106				0		15.0	14.7	
79 o-Xylene	106	19.938	19.938	0.000	98	399084	4.99	4.89	
80 Styrene	104	19.997	20.002	-0.005	98	647891	4.99	4.88	
81 Bromoform	173	20.473	20.473	0.000	97	482850	4.99	4.96	
82 Isopropylbenzene	105	20.698	20.703	-0.005	96	1204324	4.99	4.91	
84 1,1,2,2-Tetrachloroethane	83	21.431	21.431	0.000	98	625722	4.99	4.96	
85 N-Propylbenzene	91	21.490	21.490	0.000	99	1461791	4.99	4.94	
86 1,2,3-Trichloropropane	75	21.527	21.532	-0.005	99	501128	4.99	4.86	
87 n-Decane	57	21.688	21.688	0.000	91	683433	4.99	5.12	
88 4-Ethyltoluene	105	21.693	21.698	-0.005	98	1216368	4.99	4.99	
89 2-Chlorotoluene	91	21.698	21.704	-0.006	96	1021729	4.99	4.99	
90 1,3,5-Trimethylbenzene	105	21.811	21.816	-0.005	93	1006586	4.99	4.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.207	22.206	0.001	89	510287	4.99	4.99	
92 tert-Butylbenzene	119	22.330	22.335	-0.005	94	957700	4.99	5.00	
93 1,2,4-Trimethylbenzene	105	22.431	22.437	-0.006	97	1007089	4.99	5.02	
94 sec-Butylbenzene	105	22.677	22.677	0.000	99	1489644	4.99	5.05	
95 4-Isopropyltoluene	119	22.891	22.891	0.000	98	1241997	4.99	5.07	
96 1,3-Dichlorobenzene	146	22.918	22.923	-0.005	98	673892	4.99	4.86	
97 1,4-Dichlorobenzene	146	23.062	23.062	0.000	95	662292	4.99	4.81	
98 Benzyl chloride	91	23.271	23.271	0.000	99	878643	4.99	4.99	
100 n-Butylbenzene	91	23.485	23.490	-0.005	99	1177120	4.99	5.20	
99 Undecane	57	23.517	23.517	0.000	95	656291	4.99	4.95	
101 1,2-Dichlorobenzene	146	23.614	23.613	0.001	96	646268	4.99	4.94	
102 Dodecane	57	25.138	25.138	0.000	98	462119	4.99	4.97	
103 1,2,4-Trichlorobenzene	180	26.171	26.176	-0.005	94	428252	4.99	4.58	
104 Hexachlorobutadiene	225	26.358	26.363	-0.005	98	449770	4.99	4.92	
105 Naphthalene	128	26.668	26.668	0.000	99	917039	4.99	4.64	
106 1,2,3-Trichlorobenzene	180	27.150	27.150	0.000	94	375025	4.99	4.52	

Reagents:

ATTO15CAL3w_00202

Amount Added: 200.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_09.D

Injection Date: 03-Jul-2018 21:47:30

Instrument ID: CHX.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 9

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

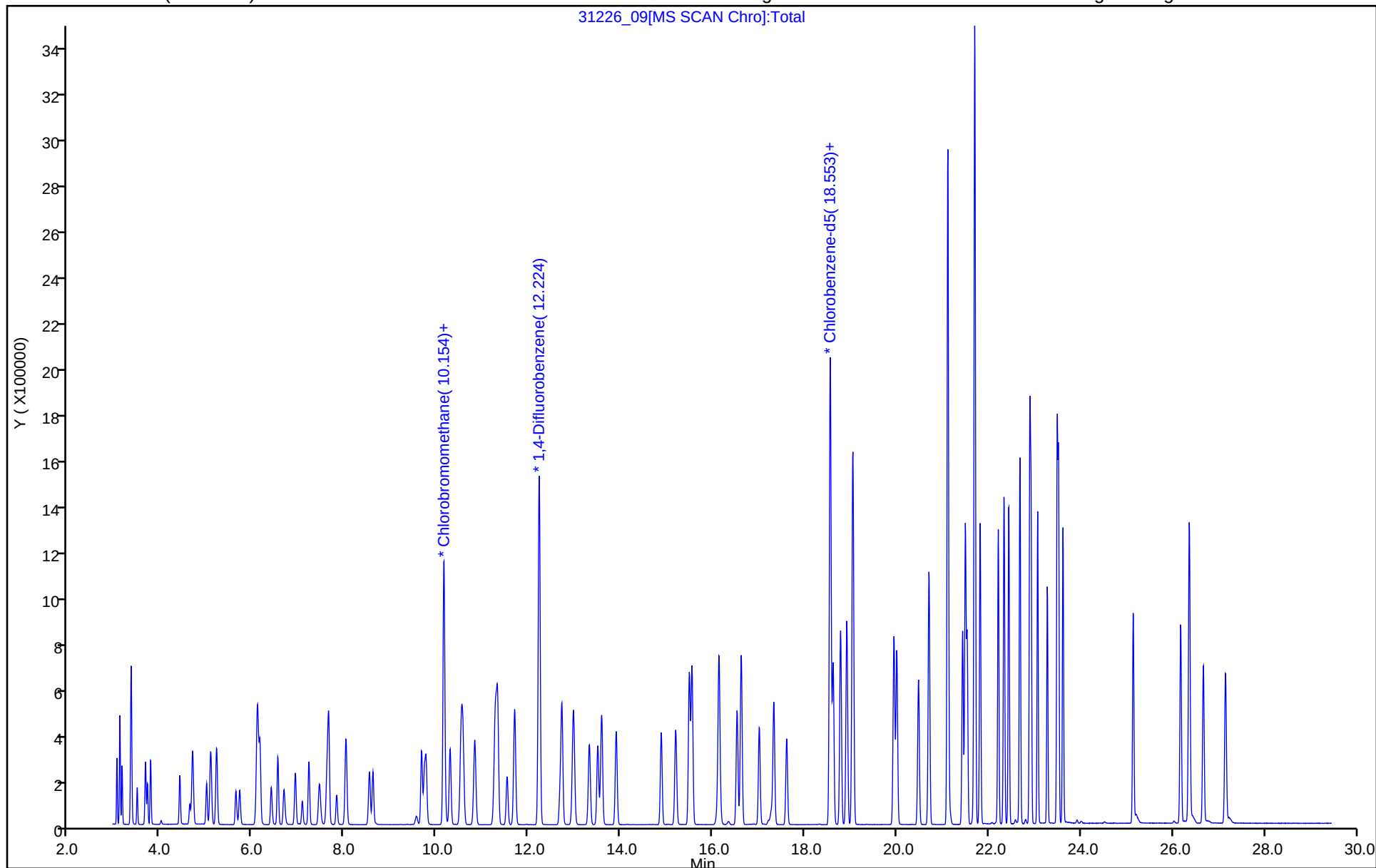
ALS Bottle#: 8

Method: TO15_MasterMethod_X.m

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\CHX.i\20180703-31226.b\31226_10.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 03-Jul-2018 22:37:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0031226-010
 Operator ID: pad Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub1
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Jul-2018 10:10:30 Calib Date: 04-Jul-2018 01:08:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 05-Jul-2018 09:47:58

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	3.044	3.044	0.000	98	282900	10.0	11.1	
2 Dichlorodifluoromethane	85	3.108	3.108	0.000	99	916403	10.0	10.8	
3 Chlorodifluoromethane	51	3.156	3.156	0.000	97	567975	10.0	10.7	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.354	3.354	0.000	96	986418	10.0	10.7	
5 Chloromethane	50	3.483	3.483	0.000	99	344308	10.0	10.7	
6 Butane	43	3.664	3.664	0.000	99	575011	10.0	10.9	
7 Vinyl chloride	62	3.707	3.707	0.000	98	406813	10.0	10.9	
8 Butadiene	54	3.777	3.777	0.000	96	295313	10.0	10.7	
10 Bromomethane	94	4.413	4.413	0.000	99	349587	10.0	10.6	
11 Chloroethane	64	4.633	4.633	0.000	100	196747	10.0	10.6	
12 2-Methylbutane	43	4.692	4.692	0.000	94	450191	10.0	11.0	
13 Vinyl bromide	106	4.996	4.996	0.000	99	344325	10.0	10.4	
14 Trichlorofluoromethane	101	5.087	5.087	0.000	98	907452	10.0	10.5	
16 Pentane	43	5.216	5.216	0.000	99	702871	10.0	10.7	
17 Ethanol	45	5.633	5.633	0.000	97	308470	15.0	15.9	
18 Ethyl ether	59	5.713	5.713	0.000	96	264645	10.0	10.6	
19 Acrolein	56	6.093	6.093	0.000	96	151017	10.0	10.6	
20 1,1,2-Trichloro-1,2,2-trif	101	6.104	6.104	0.000	98	809998	10.0	10.6	
21 1,1-Dichloroethene	96	6.157	6.157	0.000	96	387366	10.0	10.3	
22 Acetone	43	6.398	6.398	0.000	97	600915	10.0	11.5	
23 Carbon disulfide	76	6.548	6.548	0.000	99	1160712	10.0	10.5	
24 Isopropyl alcohol	45	6.676	6.676	0.000	99	672161	10.0	11.3	
25 3-Chloro-1-propene	41	6.922	6.922	0.000	94	416009	10.0	9.67	
26 Acetonitrile	41	7.072	7.072	0.000	100	291085	10.0	11.1	
27 Methylene Chloride	49	7.222	7.222	0.000	95	460350	10.0	10.5	
28 2-Methyl-2-propanol	59	7.447	7.447	0.000	93	829397	10.0	10.9	
29 Methyl tert-butyl ether	73	7.618	7.618	0.000	97	1131174	10.0	10.6	
31 trans-1,2-Dichloroethene	61	7.655	7.655	0.000	98	600256	10.0	10.7	
32 Acrylonitrile	53	7.821	7.821	0.000	94	290900	10.0	10.6	
33 Hexane	57	8.024	8.024	0.000	93	644680	10.0	10.5	
34 1,1-Dichloroethane	63	8.538	8.538	0.000	99	746483	10.0	10.6	

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	8.613	8.613	0.000	100	1053257	10.0	10.8	
S 30 1,2-Dichloroethene, Total	61				0		20.0	21.0	
37 cis-1,2-Dichloroethene	96	9.672	9.672	0.000	94	442527	10.0	10.3	
38 2-Butanone (MEK)	72	9.731	9.731	0.000	99	223638	10.0	10.3	
39 Ethyl acetate	88	9.768	9.768	0.000	100	35918	10.0	10.4	
* 40 Chlorobromomethane	128	10.154	10.154	0.000	96	395388	10.0	10.0	
41 Tetrahydrofuran	42	10.164	10.164	0.000	93	477282	10.0	10.8	
42 Chloroform	83	10.287	10.287	0.000	95	890485	10.0	10.5	
43 Cyclohexane	84	10.528	10.528	0.000	99	603925	10.0	10.5	
44 1,1,1-Trichloroethane	97	10.566	10.566	0.000	95	900365	10.0	10.5	
45 Carbon tetrachloride	117	10.828	10.828	0.000	98	872604	10.0	10.4	
46 Isooctane	57	11.272	11.272	0.000	99	2296369	10.0	10.6	
47 Benzene	78	11.325	11.325	0.000	96	1430992	10.0	10.5	
48 1,2-Dichloroethane	62	11.528	11.528	0.000	97	566983	10.0	10.7	
49 n-Heptane	43	11.694	11.694	0.000	93	824763	10.0	10.5	
* 50 1,4-Difluorobenzene	114	12.229	12.229	0.000	94	2136270	10.0	10.0	
52 n-Butanol	56	12.679	12.679	0.000	87	331958	10.0	11.3	
53 Trichloroethene	95	12.716	12.716	0.000	98	617534	10.0	10.3	
A 51 GRO	1	13.190	(4.682-21.698)		0	192782323	10.0	0	
54 1,2-Dichloropropane	63	13.315	13.315	0.000	93	533885	10.0	10.5	
55 Methyl methacrylate	69	13.497	13.497	0.000	98	512338	10.0	10.4	
56 1,4-Dioxane	88	13.561	13.561	0.000	93	331438	10.0	11.2	
57 Dibromomethane	174	13.588	13.588	0.000	97	564027	10.0	10.4	
58 Dichlorobromomethane	83	13.904	13.904	0.000	98	975586	10.0	10.5	
60 cis-1,3-Dichloropropene	75	14.877	14.877	0.000	91	842515	10.0	10.5	
A 59 TVOC as Toluene	92	15.097	(3.034-27.160)		0	304402994	10.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.193	15.193	0.000	96	1066378	10.0	10.6	
65 Toluene	92	15.487	15.487	0.000	93	1028118	10.0	10.6	
64 n-Octane	43	15.546	15.546	0.000	92	1146356	10.0	10.6	
66 trans-1,3-Dichloropropene	75	16.135	16.135	0.000	96	769356	10.0	10.1	
67 1,1,2-Trichloroethane	83	16.525	16.525	0.000	96	507375	10.0	10.6	
68 Tetrachloroethene	166	16.616	16.616	0.000	98	840266	10.0	10.6	
69 2-Hexanone	43	17.007	17.007	0.000	95	1033095	10.0	10.7	
71 Chlorodibromomethane	129	17.328	17.328	0.000	98	1025236	10.0	10.6	
72 Ethylene Dibromide	107	17.606	17.606	0.000	98	917423	10.0	10.6	
* 74 Chlorobenzene-d5	117	18.553	18.553	0.000	86	1885878	10.0	10.0	
75 Chlorobenzene	112	18.617	18.617	0.000	95	1397332	10.0	10.6	
76 Ethylbenzene	91	18.777	18.777	0.000	98	2322215	10.0	10.7	
77 n-Nonane	57	18.916	18.916	0.000	89	1129438	10.0	10.7	
78 m-Xylene & p-Xylene	106	19.045	19.045	0.000	0	1806838	20.0	21.3	
S 73 Xylenes, Total	106				0		30.0	32.0	
79 o-Xylene	106	19.938	19.938	0.000	98	860408	10.0	10.7	
80 Styrene	104	20.002	20.002	0.000	98	1432353	10.0	10.9	
81 Bromoform	173	20.473	20.473	0.000	98	1022619	10.0	10.6	
82 Isopropylbenzene	105	20.703	20.703	0.000	96	2607589	10.0	10.7	
84 1,1,2,2-Tetrachloroethane	83	21.431	21.431	0.000	98	1372210	10.0	11.0	
85 N-Propylbenzene	91	21.490	21.490	0.000	99	3189861	10.0	10.9	
86 1,2,3-Trichloropropane	75	21.532	21.532	0.000	99	1092842	10.0	10.7	
87 n-Decane	57	21.688	21.688	0.000	91	1501037	10.0	11.4	
88 4-Ethyltoluene	105	21.698	21.698	0.000	99	2697660	10.0	11.2	
89 2-Chlorotoluene	91	21.704	21.704	0.000	96	2248277	10.0	11.1	
90 1,3,5-Trimethylbenzene	105	21.816	21.816	0.000	93	2208552	10.0	11.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.206	22.206	0.000	89	1142666	10.0	11.3	
92 tert-Butylbenzene	119	22.335	22.335	0.000	94	2097364	10.0	11.1	
93 1,2,4-Trimethylbenzene	105	22.437	22.437	0.000	97	2208304	10.0	11.1	
94 sec-Butylbenzene	105	22.677	22.677	0.000	99	3263387	10.0	11.2	
95 4-Isopropyltoluene	119	22.891	22.891	0.000	98	2761949	10.0	11.4	
96 1,3-Dichlorobenzene	146	22.923	22.923	0.000	97	1537460	10.0	11.2	
97 1,4-Dichlorobenzene	146	23.062	23.062	0.000	95	1524321	10.0	11.2	
98 Benzyl chloride	91	23.271	23.271	0.000	99	1984563	10.0	11.4	
100 n-Butylbenzene	91	23.490	23.490	0.000	98	2575812	10.0	11.5	
99 Undecane	57	23.517	23.517	0.000	95	1356830	10.0	10.3	
101 1,2-Dichlorobenzene	146	23.613	23.613	0.000	97	1464015	10.0	11.3	
102 Dodecane	57	25.138	25.138	0.000	98	1061242	10.0	11.5	
103 1,2,4-Trichlorobenzene	180	26.176	26.176	0.000	94	1058017	10.0	11.4	
104 Hexachlorobutadiene	225	26.363	26.363	0.000	98	1006547	10.0	11.1	
105 Naphthalene	128	26.668	26.668	0.000	99	2398709	10.0	12.3	
106 1,2,3-Trichlorobenzene	180	27.150	27.150	0.000	96	1007881	10.0	12.3	

Reagents:

ATTO15CAL4w_00697

Amount Added: 200.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_10.D

Injection Date: 03-Jul-2018 22:37:30

Instrument ID: CHX.i

Operator ID: pad

Lims ID: icis

Worklist Smp#: 10

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

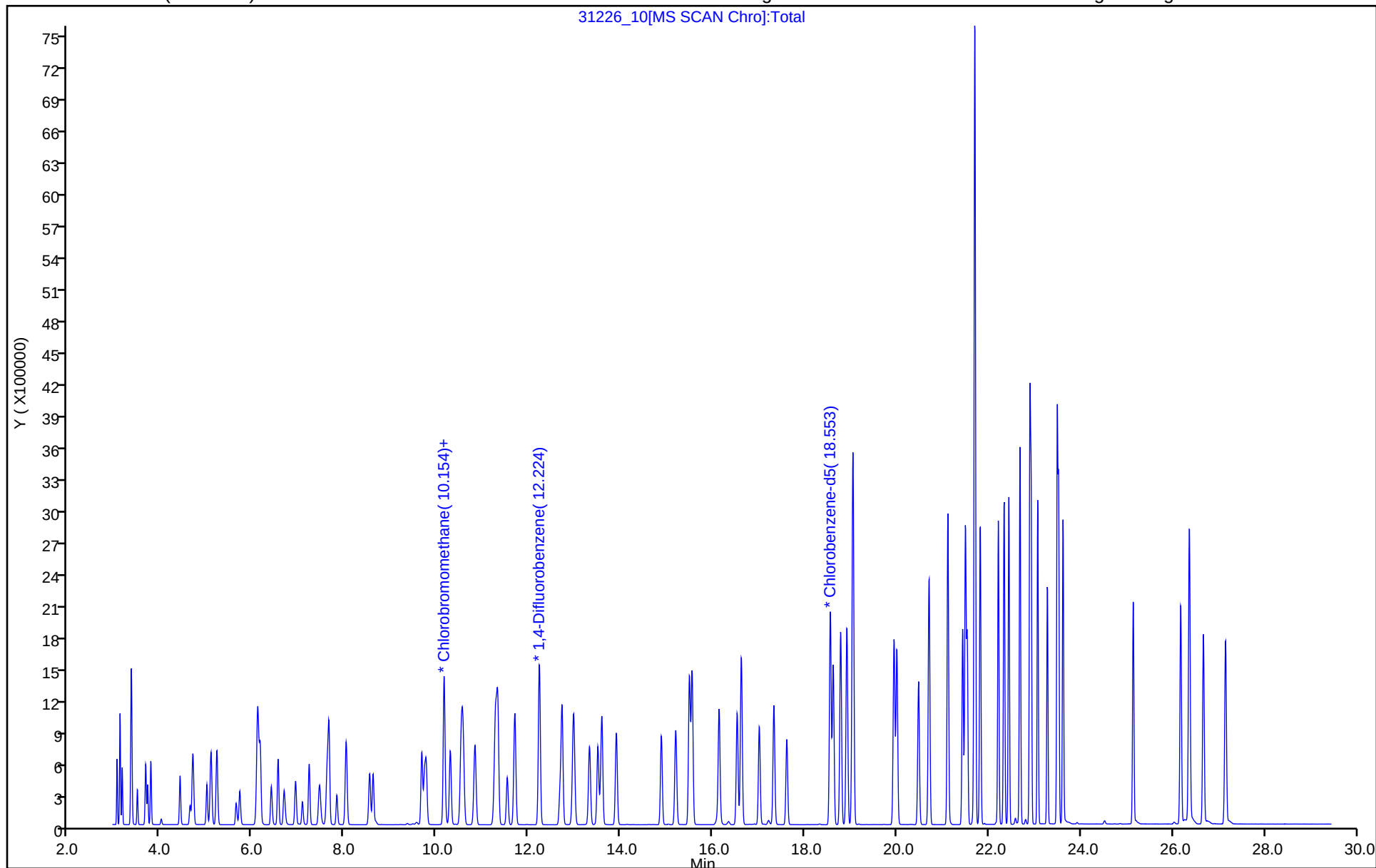
ALS Bottle#: 9

Method: TO15_MasterMethod_X.m

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\CHX.i\20180703-31226.b\31226_11.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 03-Jul-2018 23:27:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0031226-011
 Operator ID: pad Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub1
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Jul-2018 10:10:31 Calib Date: 04-Jul-2018 01:08:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 05-Jul-2018 09:49:41

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	3.044	3.044	0.000	97	394981	15.0	14.8	
2 Dichlorodifluoromethane	85	3.108	3.108	0.000	99	1330720	15.0	15.1	
3 Chlorodifluoromethane	51	3.156	3.156	0.000	97	809420	15.0	14.7	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.354	3.354	0.000	96	1438454	15.0	14.9	
5 Chloromethane	50	3.482	3.483	-0.001	99	490281	15.0	14.6	
6 Butane	43	3.664	3.664	0.000	99	794355	15.0	14.4	
7 Vinyl chloride	62	3.707	3.707	0.000	98	579947	15.0	14.9	
8 Butadiene	54	3.777	3.777	0.000	95	413428	15.0	14.3	
10 Bromomethane	94	4.413	4.413	0.000	99	514824	15.0	14.9	
11 Chloroethane	64	4.627	4.633	-0.006	100	288547	15.0	14.8	
12 2-Methylbutane	43	4.692	4.692	0.000	93	639138	15.0	14.9	
13 Vinyl bromide	106	4.996	4.996	0.000	100	512004	15.0	14.9	
14 Trichlorofluoromethane	101	5.087	5.087	0.000	98	1350750	15.0	15.0	
16 Pentane	43	5.216	5.216	0.000	98	1001092	15.0	14.6	
17 Ethanol	45	5.633	5.633	0.000	98	386010	20.0	19.0	
18 Ethyl ether	59	5.713	5.713	0.000	97	389062	15.0	14.9	
19 Acrolein	56	6.093	6.093	0.000	95	230909	15.0	15.5	
20 1,1,2-Trichloro-1,2,2-trif	101	6.104	6.104	0.000	98	1192508	15.0	14.9	
21 1,1-Dichloroethene	96	6.157	6.157	0.000	96	576626	15.0	14.7	
22 Acetone	43	6.398	6.398	0.000	97	790279	15.0	14.5	
23 Carbon disulfide	76	6.543	6.548	-0.005	99	1706886	15.0	14.9	
24 Isopropyl alcohol	45	6.676	6.676	0.000	99	919849	15.0	14.8	
25 3-Chloro-1-propene	41	6.928	6.922	0.006	94	682861	15.0	15.2	
26 Acetonitrile	41	7.072	7.072	0.000	100	404668	15.0	14.8	
27 Methylene Chloride	49	7.222	7.222	0.000	94	659192	15.0	14.5	
28 2-Methyl-2-propanol	59	7.447	7.447	0.000	93	1180477	15.0	14.9	
29 Methyl tert-butyl ether	73	7.618	7.618	0.000	97	1667862	15.0	15.0	
31 trans-1,2-Dichloroethene	61	7.655	7.655	0.000	98	871315	15.0	14.9	
32 Acrylonitrile	53	7.821	7.821	0.000	95	421207	15.0	14.7	
33 Hexane	57	8.024	8.024	0.000	92	930640	15.0	14.6	
34 1,1-Dichloroethane	63	8.538	8.538	0.000	99	1092523	15.0	14.9	

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	8.613	8.613	0.000	100	1512093	15.0	14.9	
S 30 1,2-Dichloroethene, Total	61				0		30.0	29.5	
37 cis-1,2-Dichloroethene	96	9.672	9.672	0.000	94	654810	15.0	14.6	
38 2-Butanone (MEK)	72	9.731	9.731	0.000	99	326911	15.0	14.4	
39 Ethyl acetate	88	9.763	9.768	-0.005	100	54920	15.0	15.2	
* 40 Chlorobromomethane	128	10.154	10.154	0.000	95	412153	10.0	10.0	
41 Tetrahydrofuran	42	10.164	10.164	0.000	95	690737	15.0	15.0	
42 Chloroform	83	10.293	10.287	0.006	95	1319209	15.0	14.9	
43 Cyclohexane	84	10.528	10.528	0.000	99	895171	15.0	15.0	
44 1,1,1-Trichloroethane	97	10.571	10.566	0.005	94	1341984	15.0	15.0	
45 Carbon tetrachloride	117	10.828	10.828	0.000	98	1366563	15.0	15.6	
46 Isooctane	57	11.277	11.272	0.005	99	3385411	15.0	14.9	
47 Benzene	78	11.325	11.325	0.000	96	2132497	15.0	15.0	
48 1,2-Dichloroethane	62	11.528	11.528	0.000	97	830571	15.0	15.0	
49 n-Heptane	43	11.694	11.694	0.000	92	1194279	15.0	14.6	
* 50 1,4-Difluorobenzene	114	12.229	12.229	0.000	94	2228519	10.0	10.0	
52 n-Butanol	56	12.673	12.679	-0.006	86	453076	15.0	14.8	
53 Trichloroethene	95	12.721	12.716	0.005	98	926665	15.0	14.8	
A 51 GRO	1	13.190	(4.682-21.698)		0	252652339	15.0	0	
54 1,2-Dichloropropane	63	13.321	13.315	0.006	93	794560	15.0	15.0	
55 Methyl methacrylate	69	13.502	13.497	0.005	99	770348	15.0	14.9	
56 1,4-Dioxane	88	13.561	13.561	0.000	93	455803	15.0	14.8	
57 Dibromomethane	174	13.588	13.588	0.000	97	854261	15.0	15.1	
58 Dichlorobromomethane	83	13.904	13.904	0.000	98	1469484	15.0	15.2	
60 cis-1,3-Dichloropropene	75	14.883	14.877	0.006	91	1261923	15.0	15.1	
A 59 TVOC as Toluene	92	15.097	(3.034-27.160)		0	443778629	15.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.193	15.193	0.000	96	1546862	15.0	14.8	
65 Toluene	92	15.493	15.487	0.006	93	1539432	15.0	15.0	
64 n-Octane	43	15.546	15.546	0.000	91	1678487	15.0	14.9	
66 trans-1,3-Dichloropropene	75	16.135	16.135	0.000	95	1153792	15.0	14.5	
67 1,1,2-Trichloroethane	83	16.530	16.525	0.005	96	758896	15.0	15.1	
68 Tetrachloroethene	166	16.621	16.616	0.005	98	1271749	15.0	15.3	
69 2-Hexanone	43	17.007	17.007	0.000	95	1479837	15.0	14.6	
71 Chlorodibromomethane	129	17.328	17.328	0.000	98	1585449	15.0	15.7	
72 Ethylene Dibromide	107	17.606	17.606	0.000	98	1392706	15.0	15.3	
* 74 Chlorobenzene-d5	117	18.553	18.553	0.000	86	1983020	10.0	10.0	
75 Chlorobenzene	112	18.617	18.617	0.000	95	2109792	15.0	15.2	
76 Ethylbenzene	91	18.777	18.777	0.000	98	3494853	15.0	15.3	
77 n-Nonane	57	18.916	18.916	0.000	89	1666203	15.0	15.1	
78 m-Xylene & p-Xylene	106	19.045	19.045	0.000	0	2724880	30.0	30.6	
S 73 Xylenes, Total	106				0		45.0	45.9	
79 o-Xylene	106	19.944	19.938	0.006	99	1296574	15.0	15.3	
80 Styrene	104	20.002	20.002	0.000	98	2173505	15.0	15.7	
81 Bromoform	173	20.473	20.473	0.000	98	1645812	15.0	16.2	
82 Isopropylbenzene	105	20.703	20.703	0.000	96	3933832	15.0	15.4	
84 1,1,2,2-Tetrachloroethane	83	21.431	21.431	0.000	98	2037479	15.0	15.5	
85 N-Propylbenzene	91	21.490	21.490	0.000	99	4785897	15.0	15.5	
86 1,2,3-Trichloropropane	75	21.532	21.532	0.000	98	1628137	15.0	15.1	
87 n-Decane	57	21.688	21.688	0.000	92	2184581	15.0	15.7	
88 4-Ethyltoluene	105	21.698	21.698	0.000	98	4042365	15.0	15.9	
89 2-Chlorotoluene	91	21.704	21.704	0.000	96	3375960	15.0	15.8	
90 1,3,5-Trimethylbenzene	105	21.816	21.816	0.000	93	3312431	15.0	15.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.206	22.206	0.000	89	1725854	15.0	16.2	
92 tert-Butylbenzene	119	22.335	22.335	0.000	94	3114978	15.0	15.6	
93 1,2,4-Trimethylbenzene	105	22.436	22.437	-0.001	97	3285970	15.0	15.7	
94 sec-Butylbenzene	105	22.677	22.677	0.000	99	4796470	15.0	15.6	
95 4-Isopropyltoluene	119	22.897	22.891	0.006	98	3923240	15.0	15.4	
96 1,3-Dichlorobenzene	146	22.923	22.923	0.000	97	2286715	15.0	15.8	
97 1,4-Dichlorobenzene	146	23.062	23.062	0.000	96	2264377	15.0	15.8	
98 Benzyl chloride	91	23.276	23.271	0.005	99	2861510	15.0	15.6	
100 n-Butylbenzene	91	23.490	23.490	0.000	98	3552409	15.0	15.1	
99 Undecane	57	23.517	23.517	0.000	95	2016068	15.0	14.6	
101 1,2-Dichlorobenzene	146	23.613	23.613	0.000	97	2123524	15.0	15.6	
102 Dodecane	57	25.138	25.138	0.000	98	1512975	15.0	15.6	
103 1,2,4-Trichlorobenzene	180	26.176	26.176	0.000	94	1586806	15.0	16.3	
104 Hexachlorobutadiene	225	26.363	26.363	0.000	98	1516417	15.0	15.9	
105 Naphthalene	128	26.668	26.668	0.000	99	3348694	15.0	16.3	
106 1,2,3-Trichlorobenzene	180	27.150	27.150	0.000	96	1438383	15.0	16.6	

Reagents:

ATTO15CAL5w_00075

Amount Added: 200.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_11.D

Injection Date: 03-Jul-2018 23:27:30

Instrument ID: CHX.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 11

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

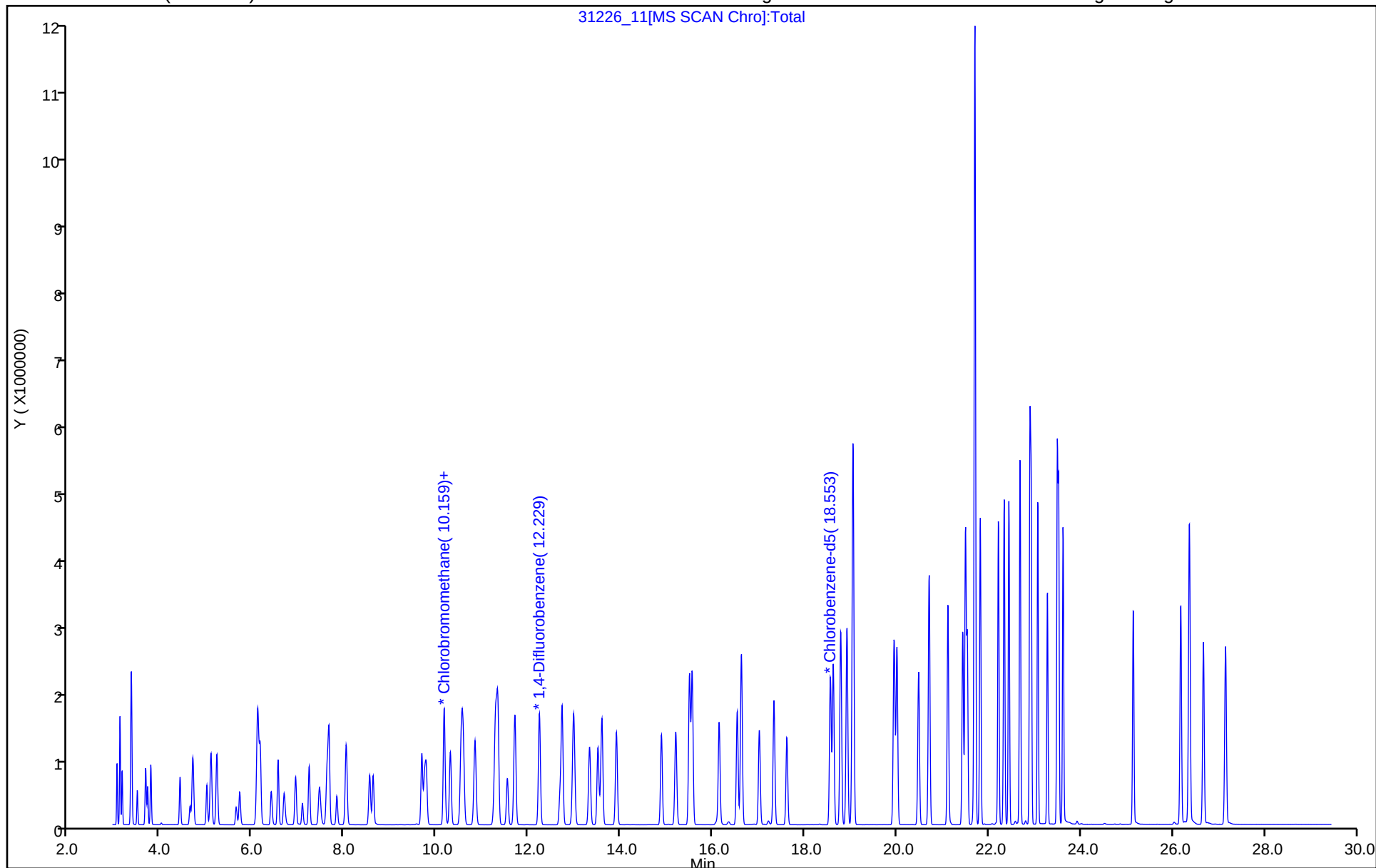
ALS Bottle#: 10

Method: TO15_MasterMethod_X.m

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\CHX.i\20180703-31226.b\31226_12.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 04-Jul-2018 00:18:30 ALS Bottle#: 11 Worklist Smp#: 12
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0031226-012
 Operator ID: pad Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub1
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Jul-2018 10:10:33 Calib Date: 04-Jul-2018 01:08:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 05-Jul-2018 09:50:14

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	3.044	3.044	0.000	98	476232	20.0	17.4	
2 Dichlorodifluoromethane	85	3.108	3.108	0.000	99	1478905	20.0	16.3	
3 Chlorodifluoromethane	51	3.151	3.156	-0.005	97	986881	20.0	17.4	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.354	3.354	0.000	94	1792711	20.0	18.1	
5 Chloromethane	50	3.482	3.483	-0.001	99	601283	20.0	17.4	
6 Butane	43	3.664	3.664	0.000	99	964203	20.0	17.0	
7 Vinyl chloride	62	3.707	3.707	0.000	98	710065	20.0	17.8	
8 Butadiene	54	3.777	3.777	0.000	95	502555	20.0	16.9	
10 Bromomethane	94	4.413	4.413	0.000	99	640358	20.0	18.1	
11 Chloroethane	64	4.627	4.633	-0.006	100	353610	20.0	17.7	
12 2-Methylbutane	43	4.692	4.692	0.000	93	763579	20.0	17.4	
13 Vinyl bromide	106	4.996	4.996	0.000	99	648278	20.0	18.3	
14 Trichlorofluoromethane	101	5.087	5.087	0.000	98	1694461	20.0	18.3	
16 Pentane	43	5.216	5.216	0.000	98	1209449	20.0	17.2	
17 Ethanol	45	5.633	5.633	0.000	97	626751	40.0	30.1	
18 Ethyl ether	59	5.708	5.713	-0.005	97	481759	20.0	17.9	
19 Acrolein	56	6.093	6.093	0.000	95	280355	20.0	18.4	
20 1,1,2-Trichloro-1,2,2-trif	101	6.104	6.104	0.000	98	1494944	20.0	18.2	
21 1,1-Dichloroethene	96	6.157	6.157	0.000	97	725459	20.0	18.0	
22 Acetone	43	6.393	6.398	-0.005	96	964891	20.0	17.3	
23 Carbon disulfide	76	6.542	6.548	-0.006	99	2117963	20.0	18.0	
24 Isopropyl alcohol	45	6.676	6.676	0.000	99	1101796	20.0	17.3	
25 3-Chloro-1-propene	41	6.928	6.922	0.006	95	830434	20.0	18.0	
26 Acetonitrile	41	7.072	7.072	0.000	100	493320	20.0	17.6	
27 Methylene Chloride	49	7.222	7.222	0.000	93	807570	20.0	17.3	
28 2-Methyl-2-propanol	59	7.441	7.447	-0.006	93	1459155	20.0	17.9	
29 Methyl tert-butyl ether	73	7.612	7.618	-0.006	97	2081563	20.0	18.2	
31 trans-1,2-Dichloroethene	61	7.650	7.655	-0.005	99	1079342	20.0	18.0	
32 Acrylonitrile	53	7.821	7.821	0.000	95	519230	20.0	17.7	
33 Hexane	57	8.024	8.024	0.000	91	1142465	20.0	17.4	
34 1,1-Dichloroethane	63	8.538	8.538	0.000	99	1346692	20.0	17.8	

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	8.613	8.613	0.000	100	1846681	20.0	17.7	
S 30 1,2-Dichloroethene, Total	61				0		40.0	35.8	
37 cis-1,2-Dichloroethene	96	9.672	9.672	0.000	93	822760	20.0	17.9	
38 2-Butanone (MEK)	72	9.726	9.731	-0.005	100	410352	20.0	17.7	
39 Ethyl acetate	88	9.763	9.768	-0.005	100	68187	20.0	18.4	
* 40 Chlorobromomethane	128	10.154	10.154	0.000	94	423190	10.0	10.0	
41 Tetrahydrofuran	42	10.159	10.164	-0.005	94	833315	20.0	17.6	
42 Chloroform	83	10.293	10.287	0.006	95	1652422	20.0	18.2	
43 Cyclohexane	84	10.533	10.528	0.005	98	1124880	20.0	18.3	
44 1,1,1-Trichloroethane	97	10.571	10.566	0.005	95	1683879	20.0	18.4	
45 Carbon tetrachloride	117	10.828	10.828	0.000	98	1728924	20.0	19.2	
46 Isooctane	57	11.277	11.272	0.005	99	4202917	20.0	18.0	
47 Benzene	78	11.325	11.325	0.000	95	2673473	20.0	18.2	
48 1,2-Dichloroethane	62	11.528	11.528	0.000	97	1031372	20.0	18.1	
49 n-Heptane	43	11.694	11.694	0.000	91	1472559	20.0	17.6	
* 50 1,4-Difluorobenzene	114	12.229	12.229	0.000	94	2290909	10.0	10.0	
52 n-Butanol	56	12.673	12.679	-0.006	86	554866	20.0	17.6	
53 Trichloroethene	95	12.721	12.716	0.005	98	1173268	20.0	18.2	
A 51 GRO	1	13.190	(4.682-21.698)		0	313677869	20.0	0	
54 1,2-Dichloropropane	63	13.321	13.315	0.006	93	987230	20.0	18.1	
55 Methyl methacrylate	69	13.497	13.497	0.000	99	959664	20.0	18.1	
56 1,4-Dioxane	88	13.561	13.561	0.000	92	559792	20.0	17.7	
57 Dibromomethane	174	13.588	13.588	0.000	96	1089092	20.0	18.7	
58 Dichlorobromomethane	83	13.904	13.904	0.000	98	1854880	20.0	18.6	
60 cis-1,3-Dichloropropene	75	14.883	14.877	0.006	91	1586614	20.0	18.4	
A 59 TVOC as Toluene	92	15.097	(3.034-27.160)		0	550862362	20.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.193	15.193	0.000	95	1892176	20.0	17.6	
65 Toluene	92	15.493	15.487	0.006	93	1934026	20.0	18.2	
64 n-Octane	43	15.551	15.546	0.005	91	2068400	20.0	17.9	
66 trans-1,3-Dichloropropene	75	16.135	16.135	0.000	95	1442019	20.0	17.7	
67 1,1,2-Trichloroethane	83	16.530	16.525	0.005	96	951289	20.0	18.2	
68 Tetrachloroethene	166	16.621	16.616	0.005	98	1624334	20.0	18.8	
69 2-Hexanone	43	17.007	17.007	0.000	96	1808648	20.0	17.2	
71 Chlorodibromomethane	129	17.328	17.328	0.000	98	2019133	20.0	19.2	
72 Ethylene Dibromide	107	17.611	17.606	0.005	98	1755276	20.0	18.5	
* 74 Chlorobenzene-d5	117	18.553	18.553	0.000	86	2062745	10.0	10.0	
75 Chlorobenzene	112	18.617	18.617	0.000	95	2657387	20.0	18.4	
76 Ethylbenzene	91	18.783	18.777	0.006	98	4389039	20.0	18.4	
77 n-Nonane	57	18.916	18.916	0.000	88	2077326	20.0	18.1	
78 m-Xylene & p-Xylene	106	19.045	19.045	0.000	0	3438454	40.0	37.1	
S 73 Xylenes, Total	106				0		60.0	55.6	
79 o-Xylene	106	19.944	19.938	0.006	98	1634074	20.0	18.5	
80 Styrene	104	20.002	20.002	0.000	97	2730583	20.0	19.0	
81 Bromoform	173	20.473	20.473	0.000	98	2098877	20.0	19.9	
82 Isopropylbenzene	105	20.703	20.703	0.000	95	4964294	20.0	18.7	
84 1,1,2,2-Tetrachloroethane	83	21.431	21.431	0.000	98	2552407	20.0	18.7	
85 N-Propylbenzene	91	21.495	21.490	0.005	99	6018760	20.0	18.8	
86 1,2,3-Trichloropropane	75	21.532	21.532	0.000	98	2040257	20.0	18.2	
87 n-Decane	57	21.688	21.688	0.000	91	2674991	20.0	18.5	
88 4-Ethyltoluene	105	21.698	21.698	0.000	98	5060107	20.0	19.1	
89 2-Chlorotoluene	91	21.704	21.704	0.000	94	4231987	20.0	19.1	
90 1,3,5-Trimethylbenzene	105	21.816	21.816	0.000	93	4159854	20.0	19.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.206	22.206	0.000	89	2161423	20.0	19.5	
92 tert-Butylbenzene	119	22.335	22.335	0.000	94	3886641	20.0	18.7	
93 1,2,4-Trimethylbenzene	105	22.436	22.437	-0.001	97	4066289	20.0	18.7	
94 sec-Butylbenzene	105	22.677	22.677	0.000	99	5941142	20.0	18.6	
95 4-Isopropyltoluene	119	22.897	22.891	0.006	98	4860022	20.0	18.3	
96 1,3-Dichlorobenzene	146	22.923	22.923	0.000	98	2839729	20.0	18.9	
97 1,4-Dichlorobenzene	146	23.068	23.062	0.006	96	2792852	20.0	18.7	
98 Benzyl chloride	91	23.276	23.271	0.005	99	3442978	20.0	18.0	
100 n-Butylbenzene	91	23.490	23.490	0.000	98	4478417	20.0	18.2	
99 Undecane	57	23.517	23.517	0.000	94	2624383	20.0	18.3	
101 1,2-Dichlorobenzene	146	23.613	23.613	0.000	97	2615247	20.0	18.4	
102 Dodecane	57	25.143	25.138	0.005	98	1935535	20.0	19.2	
103 1,2,4-Trichlorobenzene	180	26.176	26.176	0.000	94	2025691	20.0	20.0	
104 Hexachlorobutadiene	225	26.363	26.363	0.000	98	1988128	20.0	20.1	
105 Naphthalene	128	26.668	26.668	0.000	99	4062491	20.0	19.0	
106 1,2,3-Trichlorobenzene	180	27.150	27.150	0.000	96	1828729	20.0	20.3	

Reagents:

ATTO15CAL6w_00155

Amount Added: 200.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_12.D

Injection Date: 04-Jul-2018 00:18:30

Instrument ID: CHX.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 12

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

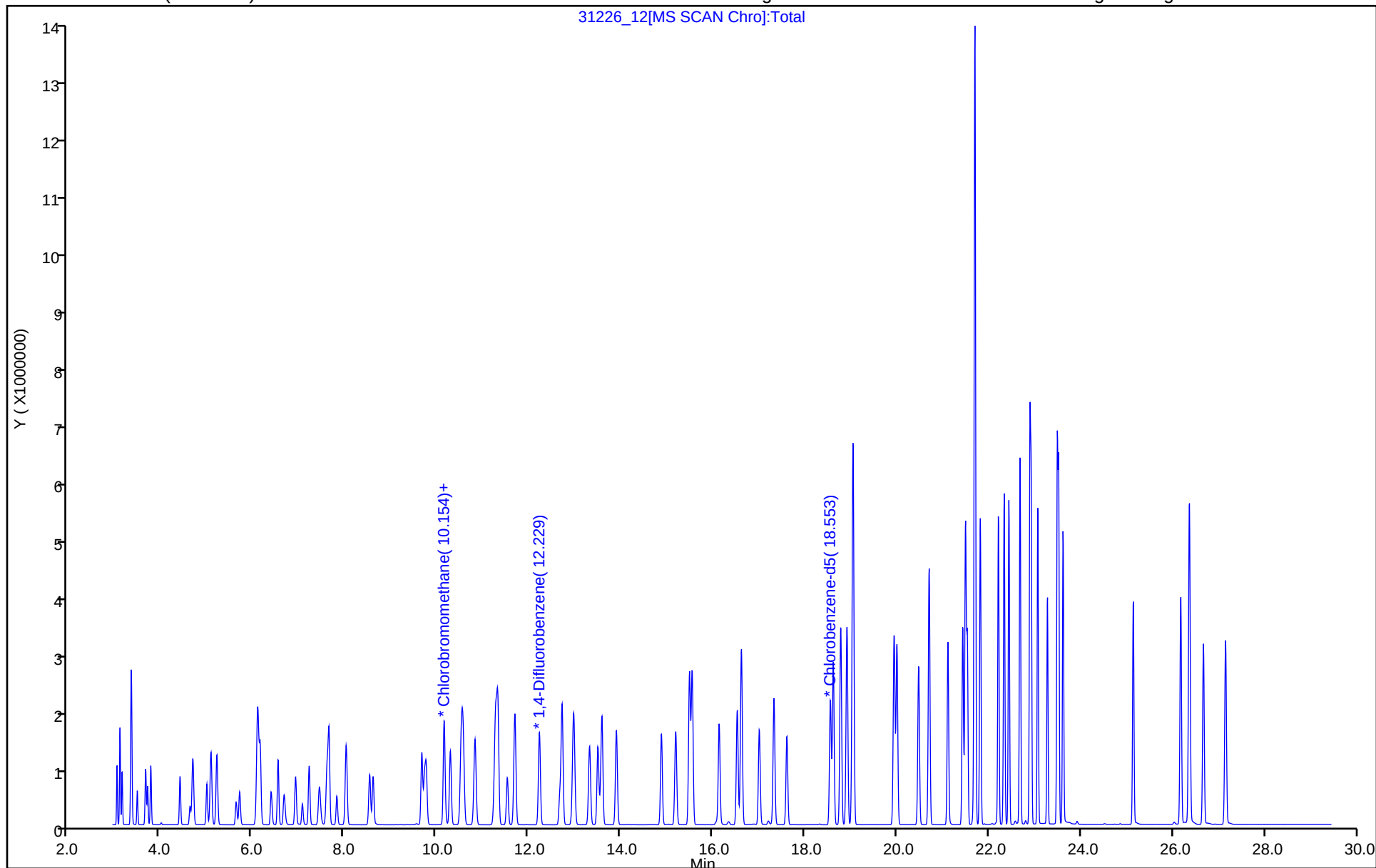
ALS Bottle#: 11

Method: TO15_MasterMethod_X.m

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\CHX.i\20180703-31226.b\31226_13.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 04-Jul-2018 01:08:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0031226-013
 Operator ID: pad Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub1
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Jul-2018 10:10:34 Calib Date: 04-Jul-2018 01:08:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 05-Jul-2018 09:50:49

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	3.038	3.044	-0.006	98	1060228	40.0	38.2	
2 Dichlorodifluoromethane	85	3.108	3.108	0.000	99	3801520	40.0	41.4	
3 Chlorodifluoromethane	51	3.151	3.156	-0.005	97	2246933	40.0	39.1	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.354	3.354	0.000	94	4084116	40.0	40.7	
5 Chloromethane	50	3.482	3.483	-0.001	99	1354353	40.0	38.7	
6 Butane	43	3.664	3.664	0.000	99	2134806	40.0	37.2	
7 Vinyl chloride	62	3.707	3.707	0.000	98	1610067	40.0	39.7	
8 Butadiene	54	3.777	3.777	0.000	94	1136875	40.0	37.8	
10 Bromomethane	94	4.413	4.413	0.000	99	1459454	40.0	40.6	
11 Chloroethane	64	4.633	4.633	0.000	100	803445	40.0	39.7	
12 2-Methylbutane	43	4.691	4.692	-0.001	92	1698574	40.0	38.1	
13 Vinyl bromide	106	4.996	4.996	0.000	100	1498786	40.0	41.8	
14 Trichlorofluoromethane	101	5.087	5.087	0.000	98	3912402	40.0	41.6	
16 Pentane	43	5.216	5.216	0.000	98	2714338	40.0	38.1	
17 Ethanol	45	5.638	5.633	0.005	98	1696654	100.0	80.3	
18 Ethyl ether	59	5.708	5.713	-0.005	95	1098723	40.0	40.4	
19 Acrolein	56	6.093	6.093	0.000	96	587439	40.0	37.9	
20 1,1,2-Trichloro-1,2,2-trif	101	6.104	6.104	0.000	98	3444580	40.0	41.4	
21 1,1-Dichloroethene	96	6.157	6.157	0.000	97	1659217	40.0	40.7	
22 Acetone	43	6.393	6.398	-0.005	97	2169414	40.0	38.3	
23 Carbon disulfide	76	6.548	6.548	0.000	98	4893659	40.0	40.9	
24 Isopropyl alcohol	45	6.682	6.676	0.006	99	2464354	40.0	38.2	
25 3-Chloro-1-propene	41	6.928	6.922	0.006	95	1806964	40.0	38.7	
26 Acetonitrile	41	7.077	7.072	0.005	100	1104613	40.0	38.8	
27 Methylene Chloride	49	7.222	7.222	0.000	92	1815431	40.0	38.3	
28 2-Methyl-2-propanol	59	7.447	7.447	0.000	93	3309477	40.0	40.1	
29 Methyl tert-butyl ether	73	7.612	7.618	-0.006	97	4768293	40.0	41.1	
31 trans-1,2-Dichloroethene	61	7.655	7.655	0.000	99	2454132	40.0	40.3	
32 Acrylonitrile	53	7.826	7.821	0.005	95	1181808	40.0	39.7	
33 Hexane	57	8.030	8.024	0.006	91	2595445	40.0	39.0	
34 1,1-Dichloroethane	63	8.538	8.538	0.000	99	3083694	40.0	40.2	

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	8.613	8.613	0.000	100	4175834	40.0	39.6	
S 30 1,2-Dichloroethene, Total	61				0		80.0	81.5	
37 cis-1,2-Dichloroethene	96	9.672	9.672	0.000	93	1924491	40.0	41.2	
38 2-Butanone (MEK)	72	9.731	9.731	0.000	100	950215	40.0	40.3	
39 Ethyl acetate	88	9.774	9.768	0.006	100	157162	40.0	41.9	
* 40 Chlorobromomethane	128	10.159	10.154	0.005	96	429251	10.0	10.0	
41 Tetrahydrofuran	42	10.159	10.164	-0.005	92	1897036	40.0	39.6	
42 Chloroform	83	10.293	10.287	0.006	95	3851269	40.0	41.7	
43 Cyclohexane	84	10.533	10.528	0.005	98	2632160	40.0	42.4	
44 1,1,1-Trichloroethane	97	10.571	10.566	0.005	94	3945777	40.0	42.6	
45 Carbon tetrachloride	117	10.828	10.828	0.000	98	4042540	40.0	44.5	
46 Isooctane	57	11.277	11.272	0.005	99	9774168	40.0	41.5	
47 Benzene	78	11.330	11.325	0.005	95	6284716	40.0	42.4	
48 1,2-Dichloroethane	62	11.534	11.528	0.006	97	2384788	40.0	41.4	
49 n-Heptane	43	11.694	11.694	0.000	91	3381195	40.0	39.9	
* 50 1,4-Difluorobenzene	114	12.229	12.229	0.000	94	2315782	10.0	10.0	
52 n-Butanol	56	12.673	12.679	-0.006	86	1311448	40.0	41.2	
53 Trichloroethene	95	12.721	12.716	0.005	97	2767242	40.0	42.5	
A 51 GRO	1	13.190	(4.682-21.698)		0	707281999	40.0	0	
54 1,2-Dichloropropane	63	13.321	13.315	0.006	94	2313231	40.0	42.0	
55 Methyl methacrylate	69	13.502	13.497	0.005	99	2279936	40.0	42.6	
56 1,4-Dioxane	88	13.561	13.561	0.000	91	1310062	40.0	40.9	
57 Dibromomethane	174	13.593	13.588	0.005	96	2603171	40.0	44.2	
58 Dichlorobromomethane	83	13.904	13.904	0.000	97	4364186	40.0	43.3	
60 cis-1,3-Dichloropropene	75	14.883	14.877	0.006	90	3754408	40.0	43.1	
A 59 TVOC as Toluene	92	15.097	(3.034-27.160)		0	1238864700	40.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.193	15.193	0.000	95	4402916	40.0	40.5	
65 Toluene	92	15.493	15.487	0.005	93	4582425	40.0	42.1	
64 n-Octane	43	15.551	15.546	0.005	90	4781552	40.0	40.9	
66 trans-1,3-Dichloropropene	75	16.140	16.135	0.005	95	3395822	40.0	41.1	
67 1,1,2-Trichloroethane	83	16.530	16.525	0.005	95	2261661	40.0	42.2	
68 Tetrachloroethene	166	16.621	16.616	0.005	99	3884764	40.0	43.9	
69 2-Hexanone	43	17.012	17.007	0.005	96	4243476	40.0	39.4	
71 Chlorodibromomethane	129	17.333	17.328	0.005	98	4738899	40.0	44.0	
72 Ethylene Dibromide	107	17.611	17.606	0.005	98	4190436	40.0	43.3	
* 74 Chlorobenzene-d5	117	18.558	18.553	0.005	92	2109016	10.0	10.0	
75 Chlorobenzene	112	18.622	18.617	0.005	95	6300334	40.0	42.6	
76 Ethylbenzene	91	18.783	18.777	0.006	98	10459127	40.0	42.9	
77 n-Nonane	57	18.916	18.916	0.000	87	4883345	40.0	41.5	
78 m-Xylene & p-Xylene	106	19.050	19.045	0.005	0	8100540	80.0	85.6	
S 73 Xylenes, Total	106				0		120.0	128.5	
79 o-Xylene	106	19.943	19.938	0.005	98	3879646	40.0	42.9	
80 Styrene	104	20.008	20.002	0.006	97	6574412	40.0	44.7	
81 Bromoform	173	20.478	20.473	0.005	98	4837806	40.0	44.9	
82 Isopropylbenzene	105	20.703	20.703	0.000	96	11641659	40.0	42.9	
84 1,1,2,2-Tetrachloroethane	83	21.436	21.431	0.005	97	5864817	40.0	42.0	
85 N-Propylbenzene	91	21.495	21.490	0.005	99	13656284	40.0	41.7	
86 1,2,3-Trichloropropane	75	21.532	21.532	0.000	98	4670336	40.0	40.8	
87 n-Decane	57	21.693	21.688	0.005	91	5605162	40.0	37.9	
88 4-Ethyltoluene	105	21.704	21.698	0.006	98	10478953	40.0	38.8	
89 2-Chlorotoluene	91	21.709	21.704	0.005	95	9146746	40.0	40.4	
90 1,3,5-Trimethylbenzene	105	21.816	21.816	0.000	93	9238171	40.0	41.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.212	22.206	0.006	89	4836141	40.0	42.6	
92 tert-Butylbenzene	119	22.335	22.335	0.000	94	8632055	40.0	40.7	
93 1,2,4-Trimethylbenzene	105	22.442	22.437	0.005	97	9193091	40.0	41.4	
94 sec-Butylbenzene	105	22.683	22.677	0.005	99	13314610	40.0	40.8	
95 4-Isopropyltoluene	119	22.896	22.891	0.005	97	11466574	40.0	42.3	
96 1,3-Dichlorobenzene	146	22.923	22.923	0.000	99	6335113	40.0	41.3	
97 1,4-Dichlorobenzene	146	23.068	23.062	0.006	96	6406057	40.0	42.0	
98 Benzyl chloride	91	23.276	23.271	0.005	99	8380255	40.0	43.0	
100 n-Butylbenzene	91	23.490	23.490	0.000	98	11183742	40.0	44.6	
99 Undecane	57	23.522	23.517	0.005	94	6373845	40.0	43.4	
101 1,2-Dichlorobenzene	146	23.619	23.613	0.006	98	6125001	40.0	42.2	
102 Dodecane	57	25.143	25.138	0.005	98	3518126	40.0	34.1	
103 1,2,4-Trichlorobenzene	180	26.176	26.176	0.000	94	4684106	40.0	45.2	
104 Hexachlorobutadiene	225	26.363	26.363	0.000	98	4063437	40.0	40.1	
105 Naphthalene	128	26.668	26.668	0.000	99	10406851	40.0	47.6	
106 1,2,3-Trichlorobenzene	180	27.150	27.150	0.000	96	3660929	40.0	39.8	

Reagents:

ATTO15CAL7w_00078

Amount Added: 200.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_13.D

Injection Date: 04-Jul-2018 01:08:30

Instrument ID: CHX.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 13

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

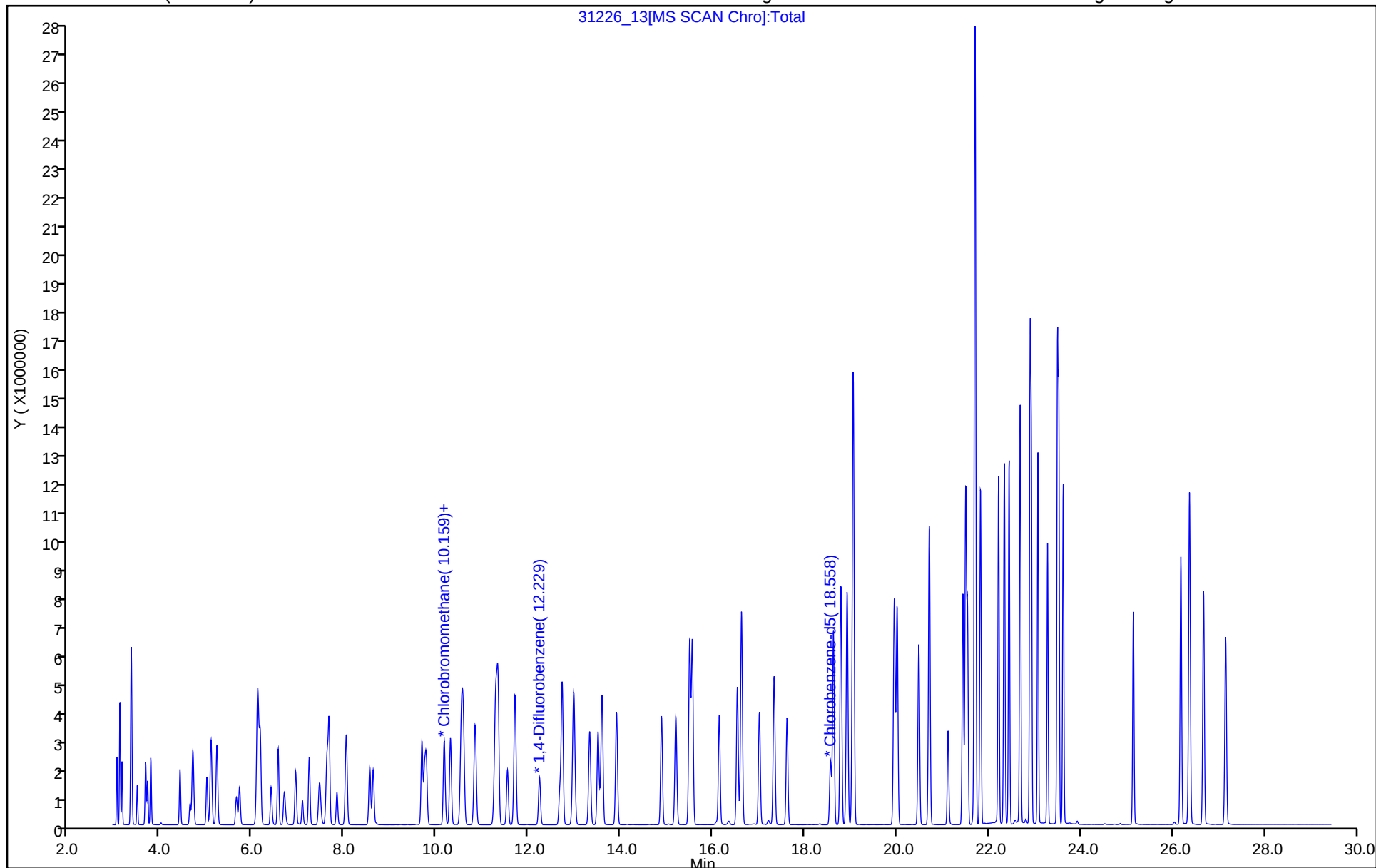
ALS Bottle#: 12

Method: TO15_MasterMethod_X.m

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.: 200-44316-1
 SDG No.: _____
 Lab Sample ID: ICV 200-131431/17 Calibration Date: 07/04/2018 04:30
 Instrument ID: CHX.i Calib Start Date: 07/03/2018 17:35
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/04/2018 01:08
 Lab File ID: 31226_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	0.6466	0.6161		9.53	10.0	-4.7	30.0
Dichlorodifluoromethane	Ave	2.138	2.249		10.5	10.0	5.2	30.0
Freon 22	Ave	1.339	1.347		10.1	10.0	0.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.339	2.634		11.3	10.0	12.6	30.0
Chloromethane	Ave	0.8152	0.7846		9.62	10.0	-3.8	30.0
n-Butane	Ave	1.338	1.324		9.89	10.0	-1.1	30.0
Vinyl chloride	Ave	0.9444	0.9560		10.1	10.0	1.2	30.0
1,3-Butadiene	Ave	0.7007	0.6882		9.82	10.0	-1.8	30.0
Bromomethane	Ave	0.8372	0.8794		10.5	10.0	5.0	30.0
Chloroethane	Ave	0.4715	0.4872		10.3	10.0	3.3	30.0
Isopentane	Ave	1.039	1.070		10.3	10.0	3.0	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8360	0.9298		11.1	10.0	11.2	30.0
Trichlorofluoromethane	Ave	2.190	2.340		10.7	10.0	6.9	30.0
n-Pentane	Ave	1.659	1.680		10.1	10.0	1.3	30.0
Ethanol	Ave	0.4920	0.4480		13.7	15.0	-8.9	30.0
Ethyl ether	Ave	0.6343	0.7067		11.1	10.0	11.4	30.0
Acrolein	Ave	0.3608	0.3860		10.7	10.0	7.0	30.0
Freon TF	Ave	1.940	1.821		9.39	10.0	-6.1	30.0
1,1-Dichloroethene	Ave	0.9498	0.8809		9.27	10.0	-7.3	30.0
Acetone	Ave	1.319	1.271		9.64	10.0	-3.6	30.0
Carbon disulfide	Ave	2.786	2.876		10.3	10.0	3.2	30.0
Isopropyl alcohol	Ave	1.505	1.417		9.41	10.0	-5.8	30.0
3-Chloropropene	Ave	1.088	0.9615		8.84	10.0	-11.6	30.0
Acetonitrile	Ave	0.6626	0.6942		10.5	10.0	4.8	30.0
Methylene Chloride	Ave	1.105	1.003		9.08	10.0	-9.2	30.0
tert-Butyl alcohol	Ave	1.925	1.946		10.1	10.0	1.1	30.0
Methyl tert-butyl ether	Ave	2.704	2.753		10.2	10.0	1.8	30.0
trans-1,2-Dichloroethene	Ave	1.419	1.465		10.3	10.0	3.3	30.0
Acrylonitrile	Ave	0.6936	0.7081		10.2	10.0	2.1	30.0
n-Hexane	Ave	1.552	1.580		10.2	10.0	1.8	30.0
1,1-Dichloroethane	Ave	1.785	1.796		10.1	10.0	0.6	30.0
Vinyl acetate	Ave	2.459	2.423		9.85	10.0	-1.5	30.0
cis-1,2-Dichloroethene	Ave	1.089	1.069		9.81	10.0	-1.8	30.0
Methyl Ethyl Ketone	Ave	0.5493	0.5495		10.0	10.0	0.0	30.0
Ethyl acetate	Ave	0.0874	0.0900		10.3	10.0	3.0	30.0
Tetrahydrofuran	Ave	0.2066	0.2186		10.6	10.0	5.8	30.0
Chloroform	Ave	2.151	2.150		9.99	10.0	-0.0	30.0
Cyclohexane	Ave	0.2683	0.2817		10.5	10.0	5.0	30.0
1,1,1-Trichloroethane	Ave	0.4003	0.4095		10.2	10.0	2.3	30.0
Carbon tetrachloride	Ave	0.3926	0.4220		10.7	10.0	7.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-44316-1
 SDG No.: _____
 Lab Sample ID: ICV 200-131431/17 Calibration Date: 07/04/2018 04:30
 Instrument ID: CHX.i Calib Start Date: 07/03/2018 17:35
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/04/2018 01:08
 Lab File ID: 31226_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	1.017	1.041		10.2	10.0	2.4	30.0
Benzene	Ave	0.6397	0.6509		10.2	10.0	1.7	30.0
1,2-Dichloroethane	Ave	0.2488	0.2540		10.2	10.0	2.1	30.0
n-Heptane	Ave	0.3661	0.3660		9.99	10.0	-0.0	30.0
n-Butanol	Ave	0.1374	0.1453		10.6	10.0	5.7	30.0
Trichloroethene	Ave	0.2812	0.2871		10.2	10.0	2.1	30.0
1,2-Dichloropropane	Ave	0.2376	0.2447		10.3	10.0	3.0	30.0
Methyl methacrylate	Ave	0.2313	0.2447		10.6	10.0	5.8	30.0
1,4-Dioxane	Ave	0.1382	0.1408		10.2	10.0	1.9	30.0
Dibromomethane	Ave	0.2543	0.2696		10.6	10.0	6.0	30.0
Bromodichloromethane	Ave	0.4349	0.4603		10.6	10.0	5.8	30.0
cis-1,3-Dichloropropene	Ave	0.3760	0.3731		9.92	10.0	-0.8	30.0
methyl isobutyl ketone	Ave	0.4696	0.4620		9.84	10.0	-1.6	30.0
Toluene	Ave	0.5160	0.5548		10.8	10.0	7.5	30.0
n-Octane	Ave	0.5045	0.5166		10.2	10.0	2.4	30.0
trans-1,3-Dichloropropene	Ave	0.3565	0.3779		10.6	10.0	6.0	30.0
1,1,2-Trichloroethane	Ave	0.2541	0.2759		10.9	10.0	8.6	30.0
Tetrachloroethene	Ave	0.4198	0.4658		11.1	10.0	11.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5108	0.5114		10.0	10.0	0.1	30.0
Dibromochloromethane	Ave	0.5108	0.5548		10.9	10.0	8.6	30.0
1,2-Dibromoethane	Ave	0.4589	0.5041		11.0	10.0	9.8	30.0
Chlorobenzene	Ave	0.7012	0.7579		10.8	10.0	8.1	30.0
Ethylbenzene	Ave	1.156	1.236		10.7	10.0	7.0	30.0
n-Nonane	Ave	0.5573	0.5850		10.5	10.0	5.0	30.0
m,p-Xylene	Ave	0.4489	0.4887		21.8	20.0	8.9	30.0
Xylene, o-	Ave	0.4284	0.4719		11.0	10.0	10.2	30.0
Styrene	Ave	0.6970	0.7551		10.8	10.0	8.3	30.0
Bromoform	Ave	0.5110	0.5721		11.2	10.0	11.9	30.0
Cumene	Ave	1.287	1.383		10.7	10.0	7.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6625	0.7324		11.1	10.0	10.6	30.0
n-Propylbenzene	Ave	1.554	1.700		10.9	10.0	9.4	30.0
1,2,3-Trichloropropane	Ave	0.5421	0.5577		10.3	10.0	2.9	30.0
n-Decane	Ave	0.7006	0.7597		10.8	10.0	8.4	30.0
4-Ethyltoluene	Ave	1.281	1.466		11.4	10.0	14.4	30.0
2-Chlorotoluene	Ave	1.075	1.194		11.1	10.0	11.2	30.0
1,3,5-Trimethylbenzene	Ave	1.064	1.183		11.1	10.0	11.2	30.0
Alpha Methyl Styrene	Ave	0.5377	0.5956		11.1	10.0	10.8	30.0
tert-Butylbenzene	Ave	1.006	1.104		11.0	10.0	9.8	30.0
1,2,4-Trimethylbenzene	Ave	1.053	1.185		11.2	10.0	12.5	30.0
sec-Butylbenzene	Ave	1.548	1.696		11.0	10.0	9.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-44316-1
 SDG No.: _____
 Lab Sample ID: ICV 200-131431/17 Calibration Date: 07/04/2018 04:30
 Instrument ID: CHX.i Calib Start Date: 07/03/2018 17:35
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/04/2018 01:08
 Lab File ID: 31226_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	1.287	1.445		11.2	10.0	12.3	30.0
1,3-Dichlorobenzene	Ave	0.7280	0.8222		11.3	10.0	12.9	30.0
1,4-Dichlorobenzene	Ave	0.7233	0.8178		11.3	10.0	13.1	30.0
Benzyl chloride	Ave	0.9248	0.9753		10.5	10.0	5.5	30.0
n-Butylbenzene	Ave	1.190	1.313		11.0	10.0	10.4	30.0
n-Undecane	Ave	0.6959	0.7008		10.1	10.0	0.7	30.0
1,2-Dichlorobenzene	Ave	0.6875	0.7743		11.3	10.0	12.6	30.0
n-Dodecane	Ave	0.4888	0.5506		11.3	10.0	12.6	30.0
1,2,4-Trichlorobenzene	Ave	0.4910	0.5101		10.4	10.0	3.9	30.0
Hexachlorobutadiene	Ave	0.4800	0.5234		10.9	10.0	9.0	30.0
Naphthalene	Ave	1.038	1.027		9.89	10.0	-1.0	30.0
1,2,3-Trichlorobenzene	Ave	0.4358	0.4785		11.0	10.0	9.8	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_17.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 04-Jul-2018 04:30:30 ALS Bottle#: 16 Worklist Smp#: 17
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0031226-017
 Operator ID: pad Instrument ID: CHX.i
 Sublist:
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Jul-2018 10:10:34 Calib Date: 04-Jul-2018 01:08:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 05-Jul-2018 10:09:05

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	3.044	3.044	0.000	98	261297	10.0	9.53	
2 Dichlorodifluoromethane	85	3.108	3.108	0.000	99	953705	10.0	10.5	
3 Chlorodifluoromethane	51	3.151	3.156	-0.005	97	571427	10.0	10.1	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.349	3.354	-0.005	95	1117169	10.0	11.3	
5 Chloromethane	50	3.483	3.483	0.000	99	332738	10.0	9.62	
6 Butane	43	3.664	3.664	0.000	99	561570	10.0	9.89	
7 Vinyl chloride	62	3.707	3.707	0.000	98	405434	10.0	10.1	
8 Butadiene	54	3.777	3.777	0.000	95	291861	10.0	9.82	
10 Bromomethane	94	4.413	4.413	0.000	99	372957	10.0	10.5	
11 Chloroethane	64	4.627	4.633	-0.006	99	206621	10.0	10.3	
12 2-Methylbutane	43	4.692	4.692	0.000	93	453727	10.0	10.3	
13 Vinyl bromide	106	4.997	4.996	0.001	99	394318	10.0	11.1	
14 Trichlorofluoromethane	101	5.082	5.087	-0.005	98	992455	10.0	10.7	
16 Pentane	43	5.211	5.216	-0.006	98	712530	10.0	10.1	
17 Ethanol	45	5.633	5.633	0.000	97	285122	15.0	13.7	
18 Ethyl ether	59	5.708	5.713	-0.005	97	299716	10.0	11.1	
9 BFB									
19 Acrolein	56	6.093	6.093	0.000	95	163685	10.0	10.7	
20 1,1,2-Trichloro-1,2,2-trif	101	6.104	6.104	0.000	99	772389	10.0	9.39	
21 1,1-Dichloroethene	96	6.157	6.157	0.000	97	373574	10.0	9.27	
22 Acetone	43	6.393	6.398	-0.005	97	539060	10.0	9.64	
23 Carbon disulfide	76	6.543	6.548	-0.005	98	1219747	10.0	10.3	
24 Isopropyl alcohol	45	6.676	6.676	0.000	99	600923	10.0	9.41	
25 3-Chloro-1-propene	41	6.922	6.922	0.000	95	407766	10.0	8.84	
26 Acetonitrile	41	7.072	7.072	0.000	100	294399	10.0	10.5	
27 Methylene Chloride	49	7.217	7.222	-0.005	93	425454	10.0	9.08	
28 2-Methyl-2-propanol	59	7.441	7.447	-0.006	93	825125	10.0	10.1	
29 Methyl tert-butyl ether	73	7.613	7.618	-0.005	97	1167602	10.0	10.2	
31 trans-1,2-Dichloroethene	61	7.650	7.655	-0.005	99	621479	10.0	10.3	
32 Acrylonitrile	53	7.821	7.821	0.000	94	300299	10.0	10.2	
33 Hexane	57	8.024	8.024	0.000	91	670192	10.0	10.2	

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	8.533	8.538	-0.005	99	761490	10.0	10.1	
35 Vinyl acetate	43	8.608	8.613	-0.005	100	1027513	10.0	9.85	
S 30 1,2-Dichloroethene, Total	61				0		20.0	20.1	
37 cis-1,2-Dichloroethene	96	9.672	9.672	0.000	93	453337	10.0	9.81	
38 2-Butanone (MEK)	72	9.726	9.731	-0.005	100	233062	10.0	10.0	
39 Ethyl acetate	88	9.763	9.768	-0.005	99	38186	10.0	10.3	
* 40 Chlorobromomethane	128	10.154	10.154	0.000	93	424190	10.0	10.0	
41 Tetrahydrofuran	42	10.159	10.164	-0.005	92	497461	10.0	10.6	
42 Chloroform	83	10.287	10.287	0.000	95	911805	10.0	10.0	
43 Cyclohexane	84	10.528	10.528	0.000	98	641055	10.0	10.5	
44 1,1,1-Trichloroethane	97	10.566	10.566	0.000	94	931827	10.0	10.2	
45 Carbon tetrachloride	117	10.822	10.828	-0.006	98	960347	10.0	10.7	
46 Isooctane	57	11.277	11.272	0.005	99	2368675	10.0	10.2	
47 Benzene	78	11.325	11.325	0.000	96	1481182	10.0	10.2	
48 1,2-Dichloroethane	62	11.529	11.528	0.000	97	578092	10.0	10.2	
49 n-Heptane	43	11.689	11.694	-0.005	91	832891	10.0	10.0	
* 50 1,4-Difluorobenzene	114	12.224	12.229	-0.005	94	2276144	10.0	10.0	
52 n-Butanol	56	12.673	12.679	-0.006	86	330572	10.0	10.6	
53 Trichloroethene	95	12.716	12.716	0.000	98	653229	10.0	10.2	
A 51 GRO	1	13.190	(4.682-21.698)		0	196753329	10.0	0	
54 1,2-Dichloropropane	63	13.315	13.315	0.000	93	556766	10.0	10.3	
55 Methyl methacrylate	69	13.497	13.497	0.000	99	556853	10.0	10.6	
56 1,4-Dioxane	88	13.561	13.561	0.000	92	320490	10.0	10.2	
57 Dibromomethane	174	13.588	13.588	0.000	96	613414	10.0	10.6	
58 Dichlorobromomethane	83	13.898	13.904	-0.006	98	1047594	10.0	10.6	
60 cis-1,3-Dichloropropene	75	14.877	14.877	0.000	90	848983	10.0	9.92	
A 59 TVOC as Toluene	92	15.097	(3.034-27.160)		0	310492558	10.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.193	15.193	0.000	95	1051427	10.0	9.84	
65 Toluene	92	15.487	15.487	0.000	93	1108821	10.0	10.8	
64 n-Octane	43	15.546	15.546	0.000	91	1175526	10.0	10.2	
66 trans-1,3-Dichloropropene	75	16.135	16.135	0.000	96	859969	10.0	10.6	
67 1,1,2-Trichloroethane	83	16.530	16.525	0.005	96	551397	10.0	10.9	
68 Tetrachloroethene	166	16.621	16.616	0.005	98	930927	10.0	11.1	
69 2-Hexanone	43	17.007	17.007	0.000	95	1022091	10.0	10.0	
71 Chlorodibromomethane	129	17.328	17.328	0.000	98	1108803	10.0	10.9	
72 Ethylene Dibromide	107	17.606	17.606	0.000	98	1007424	10.0	11.0	
* 74 Chlorobenzene-d5	117	18.553	18.553	0.000	85	1998866	10.0	10.0	
75 Chlorobenzene	112	18.617	18.617	0.000	95	1514607	10.0	10.8	
76 Ethylbenzene	91	18.777	18.777	0.000	98	2470785	10.0	10.7	
77 n-Nonane	57	18.911	18.916	-0.005	88	1169090	10.0	10.5	
78 m-Xylene & p-Xylene	106	19.045	19.045	0.000	0	1953142	20.0	21.8	
S 73 Xylenes, Total	106				0		30.0	32.8	
79 o-Xylene	106	19.938	19.938	0.000	99	943143	10.0	11.0	
80 Styrene	104	20.002	20.002	0.000	97	1508970	10.0	10.8	
81 Bromoform	173	20.473	20.473	0.000	98	1143263	10.0	11.2	
82 Isopropylbenzene	105	20.698	20.703	-0.005	95	2763884	10.0	10.7	
84 1,1,2,2-Tetrachloroethane	83	21.431	21.431	0.000	97	1463727	10.0	11.1	
85 N-Propylbenzene	91	21.490	21.490	0.000	99	3397115	10.0	10.9	
86 1,2,3-Trichloropropane	75	21.527	21.532	-0.005	98	1114518	10.0	10.3	
87 n-Decane	57	21.688	21.688	0.000	91	1518272	10.0	10.8	
88 4-Ethyltoluene	105	21.698	21.698	0.000	99	2928847	10.0	11.4	
89 2-Chlorotoluene	91	21.704	21.704	0.000	96	2387073	10.0	11.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 1,3,5-Trimethylbenzene	105	21.811	21.816	-0.005	93	2364599	10.0	11.1	
91 Alpha Methyl Styrene	118	22.207	22.206	0.001	89	1190221	10.0	11.1	
92 tert-Butylbenzene	119	22.335	22.335	0.000	94	2206579	10.0	11.0	
93 1,2,4-Trimethylbenzene	105	22.437	22.437	0.000	97	2367511	10.0	11.2	
94 sec-Butylbenzene	105	22.677	22.677	0.000	99	3389210	10.0	11.0	
95 4-Isopropyltoluene	119	22.891	22.891	0.000	98	2886844	10.0	11.2	
96 1,3-Dichlorobenzene	146	22.918	22.923	-0.005	97	1643184	10.0	11.3	
97 1,4-Dichlorobenzene	146	23.062	23.062	0.000	96	1634381	10.0	11.3	
98 Benzyl chloride	91	23.271	23.271	0.000	99	1949150	10.0	10.5	
100 n-Butylbenzene	91	23.485	23.490	-0.005	98	2624265	10.0	11.0	
99 Undecane	57	23.517	23.517	0.000	95	1400424	10.0	10.1	
101 1,2-Dichlorobenzene	146	23.613	23.613	0.000	97	1547343	10.0	11.3	
102 Dodecane	57	25.138	25.138	0.000	98	1100373	10.0	11.3	
103 1,2,4-Trichlorobenzene	180	26.171	26.176	-0.005	94	1019424	10.0	10.4	
104 Hexachlorobutadiene	225	26.358	26.363	-0.005	98	1045990	10.0	10.9	
105 Naphthalene	128	26.668	26.668	0.000	99	2052148	10.0	9.89	
106 1,2,3-Trichlorobenzene	180	27.150	27.150	0.000	96	956267	10.0	11.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15LCSW_00767

Amount Added: 200.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_17.D

Injection Date: 04-Jul-2018 04:30:30

Instrument ID: CHX.i

Operator ID: pad

Lims ID: icv

Worklist Smp#: 17

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

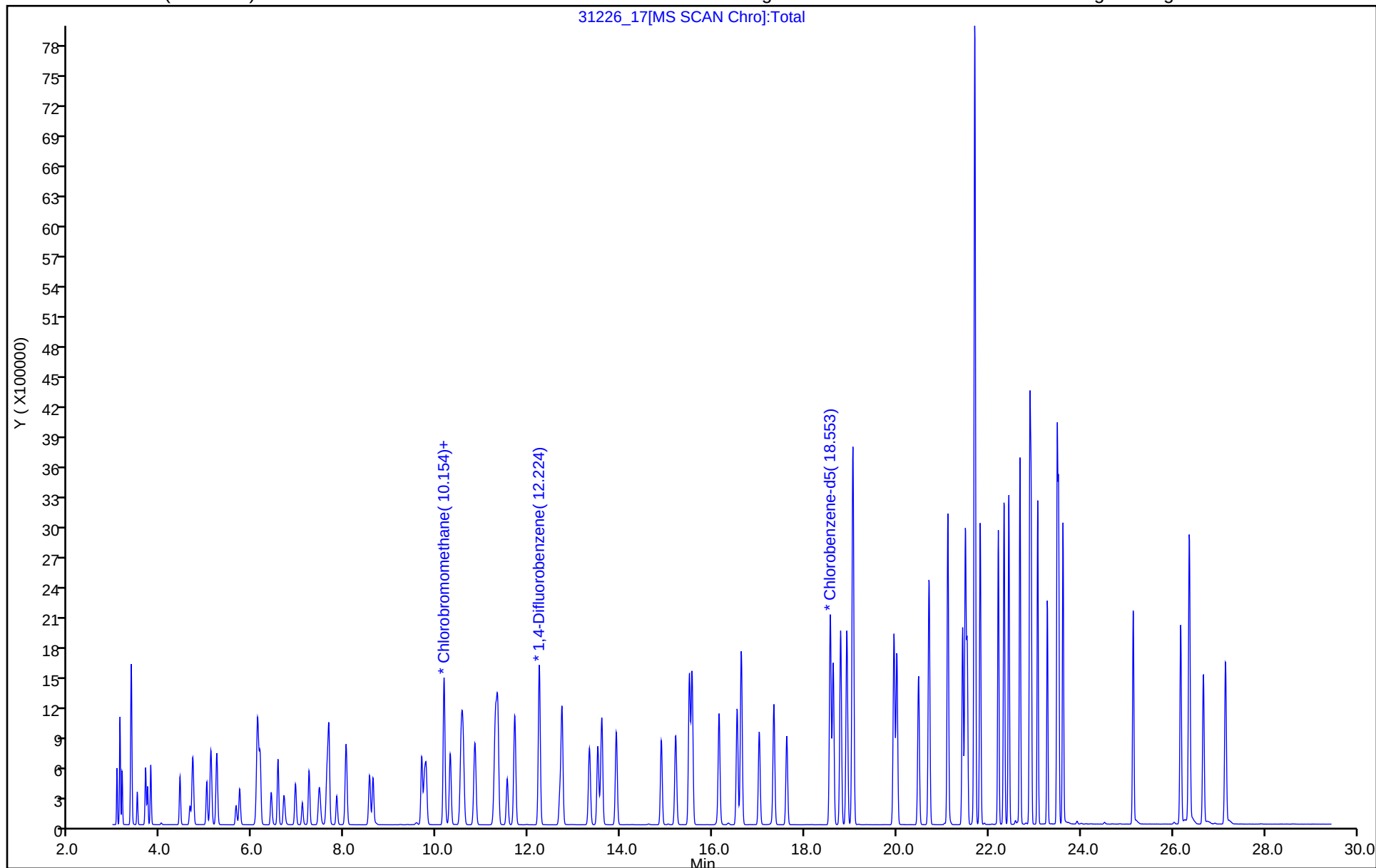
ALS Bottle#: 16

Method: TO15_MasterMethod_X.m

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.: 200-44316-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-131805/2 Calibration Date: 07/16/2018 10:36
 Instrument ID: CHX.i Calib Start Date: 07/03/2018 17:35
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/04/2018 01:08
 Lab File ID: 31373_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	0.6466	0.5977		9.24	10.0	-7.6	30.0
Dichlorodifluoromethane	Ave	2.138	2.069		9.68	10.0	-3.2	30.0
Freon 22	Ave	1.339	1.246		9.30	10.0	-7.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.339	2.259		9.66	10.0	-3.4	30.0
Chloromethane	Ave	0.8152	0.7527		9.23	10.0	-7.7	30.0
n-Butane	Ave	1.338	1.197		8.94	10.0	-10.5	30.0
Vinyl chloride	Ave	0.9444	0.8948		9.47	10.0	-5.2	30.0
1,3-Butadiene	Ave	0.7007	0.6339		9.04	10.0	-9.5	30.0
Bromomethane	Ave	0.8372	0.8099		9.67	10.0	-3.3	30.0
Chloroethane	Ave	0.4715	0.4365		9.26	10.0	-7.4	30.0
Isopentane	Ave	1.039	0.9204		8.86	10.0	-11.4	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8360	0.8221		9.83	10.0	-1.7	30.0
Trichlorofluoromethane	Ave	2.190	2.145		9.79	10.0	-2.0	30.0
n-Pentane	Ave	1.659	1.488		8.97	10.0	-10.3	30.0
Ethanol	Ave	0.4920	0.4435		13.5	15.0	-9.9	30.0
Ethyl ether	Ave	0.6343	0.5950		9.38	10.0	-6.2	30.0
Acrolein	Ave	0.3608	0.3065		8.49	10.0	-15.1	30.0
Freon TF	Ave	1.940	1.911		9.85	10.0	-1.5	30.0
1,1-Dichloroethene	Ave	0.9498	0.9062		9.54	10.0	-4.6	30.0
Acetone	Ave	1.319	1.369		10.4	10.0	3.8	30.0
Carbon disulfide	Ave	2.786	2.668		9.57	10.0	-4.3	30.0
Isopropyl alcohol	Ave	1.505	1.436		9.54	10.0	-4.6	30.0
3-Chloropropene	Ave	1.088	0.8638		7.94	10.0	-20.6	30.0
Acetonitrile	Ave	0.6626	0.6092		9.19	10.0	-8.1	30.0
Methylene Chloride	Ave	1.105	1.002		9.06	10.0	-9.3	30.0
tert-Butyl alcohol	Ave	1.925	1.854		9.63	10.0	-3.7	30.0
Methyl tert-butyl ether	Ave	2.704	2.590		9.58	10.0	-4.2	30.0
trans-1,2-Dichloroethene	Ave	1.419	1.335		9.40	10.0	-6.0	30.0
Acrylonitrile	Ave	0.6936	0.6356		9.16	10.0	-8.4	30.0
n-Hexane	Ave	1.552	1.415		9.12	10.0	-8.8	30.0
1,1-Dichloroethane	Ave	1.785	1.679		9.40	10.0	-5.9	30.0
Vinyl acetate	Ave	2.459	2.270		9.23	10.0	-7.7	30.0
cis-1,2-Dichloroethene	Ave	1.089	1.038		9.53	10.0	-4.7	30.0
Methyl Ethyl Ketone	Ave	0.5493	0.5278		9.61	10.0	-3.9	30.0
Ethyl acetate	Ave	0.0874	0.0859		9.83	10.0	-1.7	30.0
Tetrahydrofuran	Ave	0.2066	0.1923		9.30	10.0	-7.0	30.0
Chloroform	Ave	2.151	2.092		9.72	10.0	-2.8	30.0
Cyclohexane	Ave	0.2683	0.2653		9.88	10.0	-1.2	30.0
1,1,1-Trichloroethane	Ave	0.4003	0.3926		9.80	10.0	-1.9	30.0
Carbon tetrachloride	Ave	0.3926	0.3552		9.04	10.0	-9.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-44316-1

SDG No.: _____

Lab Sample ID: CCVIS 200-131805/2 Calibration Date: 07/16/2018 10:36

Instrument ID: CHX.i Calib Start Date: 07/03/2018 17:35

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/04/2018 01:08

Lab File ID: 31373_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	1.017	0.996		9.80	10.0	-2.0	30.0
Benzene	Ave	0.6397	0.6374		9.96	10.0	-0.4	30.0
1,2-Dichloroethane	Ave	0.2488	0.2412		9.69	10.0	-3.1	30.0
n-Heptane	Ave	0.3661	0.3478		9.50	10.0	-5.0	30.0
n-Butanol	Ave	0.1374	0.1410		10.3	10.0	2.6	30.0
Trichloroethene	Ave	0.2812	0.2744		9.75	10.0	-2.4	30.0
1,2-Dichloropropane	Ave	0.2376	0.2373		9.99	10.0	-0.1	30.0
Methyl methacrylate	Ave	0.2313	0.2257		9.76	10.0	-2.4	30.0
1,4-Dioxane	Ave	0.1382	0.1457		10.5	10.0	5.5	30.0
Dibromomethane	Ave	0.2543	0.2590		10.2	10.0	1.8	30.0
Bromodichloromethane	Ave	0.4349	0.4268		9.81	10.0	-1.9	30.0
cis-1,3-Dichloropropene	Ave	0.3760	0.3741		9.95	10.0	-0.5	30.0
methyl isobutyl ketone	Ave	0.4696	0.4506		9.59	10.0	-4.0	30.0
Toluene	Ave	0.5160	0.5022		9.73	10.0	-2.7	30.0
n-Octane	Ave	0.5045	0.4885		9.68	10.0	-3.2	30.0
trans-1,3-Dichloropropene	Ave	0.3565	0.3368		9.45	10.0	-5.5	30.0
1,1,2-Trichloroethane	Ave	0.2541	0.2484		9.77	10.0	-2.2	30.0
Tetrachloroethene	Ave	0.4198	0.4229		10.1	10.0	0.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5108	0.4789		9.37	10.0	-6.2	30.0
Dibromochloromethane	Ave	0.5108	0.4971		9.73	10.0	-2.7	30.0
1,2-Dibromoethane	Ave	0.4589	0.4531		9.87	10.0	-1.3	30.0
Chlorobenzene	Ave	0.7012	0.6905		9.84	10.0	-1.5	30.0
Ethylbenzene	Ave	1.156	1.128		9.76	10.0	-2.3	30.0
n-Nonane	Ave	0.5573	0.5402		9.69	10.0	-3.1	30.0
m,p-Xylene	Ave	0.4489	0.4422		19.7	20.0	-1.5	30.0
Xylene, o-	Ave	0.4284	0.4190		9.78	10.0	-2.2	30.0
Styrene	Ave	0.6970	0.6828		9.79	10.0	-2.0	30.0
Bromoform	Ave	0.5110	0.4832		9.45	10.0	-5.4	30.0
Cumene	Ave	1.287	1.268		9.85	10.0	-1.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6625	0.6574		9.92	10.0	-0.8	30.0
n-Propylbenzene	Ave	1.554	1.529		9.84	10.0	-1.6	30.0
1,2,3-Trichloropropane	Ave	0.5421	0.5272		9.72	10.0	-2.8	30.0
n-Decane	Ave	0.7006	0.7140		10.2	10.0	1.9	30.0
2-Chlorotoluene	Ave	1.075	1.080		10.0	10.0	0.5	30.0
4-Ethyltoluene	Ave	1.281	1.299		10.1	10.0	1.4	30.0
1,3,5-Trimethylbenzene	Ave	1.064	1.072		10.1	10.0	0.8	30.0
Alpha Methyl Styrene	Ave	0.5377	0.5380		10.0	10.0	0.0	30.0
tert-Butylbenzene	Ave	1.006	1.016		10.1	10.0	1.1	30.0
1,2,4-Trimethylbenzene	Ave	1.053	1.069		10.1	10.0	1.5	30.0
sec-Butylbenzene	Ave	1.548	1.572		10.2	10.0	1.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-44316-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-131805/2 Calibration Date: 07/16/2018 10:36
 Instrument ID: CHX.i Calib Start Date: 07/03/2018 17:35
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/04/2018 01:08
 Lab File ID: 31373_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	1.287	1.340		10.4	10.0	4.1	30.0
1,3-Dichlorobenzene	Ave	0.7280	0.7511		10.3	10.0	3.2	30.0
1,4-Dichlorobenzene	Ave	0.7233	0.7453		10.3	10.0	3.0	30.0
Benzyl chloride	Ave	0.9248	0.9191		9.94	10.0	-0.6	30.0
n-Butylbenzene	Ave	1.190	1.253		10.5	10.0	5.3	30.0
n-Undecane	Ave	0.6959	0.6762		9.71	10.0	-2.8	30.0
1,2-Dichlorobenzene	Ave	0.6875	0.7131		10.4	10.0	3.7	30.0
n-Dodecane	Ave	0.4888	0.5285		10.8	10.0	8.1	30.0
1,2,4-Trichlorobenzene	Ave	0.4910	0.5096		10.4	10.0	3.8	30.0
Hexachlorobutadiene	Ave	0.4800	0.5025		10.5	10.0	4.7	30.0
Naphthalene	Ave	1.038	1.128		10.9	10.0	8.8	30.0
1,2,3-Trichlorobenzene	Ave	0.4358	0.4883		11.2	10.0	12.1	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_02.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 16-Jul-2018 10:36:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0031373-002
 Operator ID: pad Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub1
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Jul-2018 10:26:10 Calib Date: 04-Jul-2018 01:08:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK024

First Level Reviewer: bunmaa

Date: 17-Jul-2018 10:26:10

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	3.039	3.039	0.000	98	205597	10.0	9.24	
2 Dichlorodifluoromethane	85	3.108	3.108	0.000	99	711676	10.0	9.68	
3 Chlorodifluoromethane	51	3.151	3.151	0.000	97	428525	10.0	9.30	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.349	3.349	0.000	97	777131	10.0	9.66	
5 Chloromethane	50	3.483	3.483	0.000	99	258924	10.0	9.23	
6 Butane	43	3.664	3.664	0.000	99	411847	10.0	8.94	
7 Vinyl chloride	62	3.707	3.707	0.000	98	307820	10.0	9.47	
8 Butadiene	54	3.777	3.777	0.000	95	218058	10.0	9.04	
10 Bromomethane	94	4.408	4.408	0.000	99	278600	10.0	9.67	
9 BFB									
11 Chloroethane	64	4.627	4.627	0.000	100	150169	10.0	9.26	
12 2-Methylbutane	43	4.686	4.686	0.000	92	316604	10.0	8.86	
13 Vinyl bromide	106	4.991	4.991	0.000	100	282810	10.0	9.83	
14 Trichlorofluoromethane	101	5.082	5.082	0.000	98	737911	10.0	9.79	
16 Pentane	43	5.211	5.211	0.000	98	511903	10.0	8.97	
17 Ethanol	45	5.628	5.628	0.000	97	228918	15.0	13.5	
18 Ethyl ether	59	5.708	5.708	0.000	97	204673	10.0	9.38	
19 Acrolein	56	6.093	6.093	0.000	95	105423	10.0	8.49	
20 1,1,2-Trichloro-1,2,2-trif	101	6.099	6.099	0.000	99	657460	10.0	9.85	
21 1,1-Dichloroethene	96	6.152	6.152	0.000	97	311731	10.0	9.54	
22 Acetone	43	6.393	6.393	0.000	97	471001	10.0	10.4	
23 Carbon disulfide	76	6.543	6.543	0.000	99	917628	10.0	9.57	
24 Isopropyl alcohol	45	6.671	6.671	0.000	99	493868	10.0	9.54	
25 3-Chloro-1-propene	41	6.922	6.922	0.000	95	297148	10.0	7.94	
26 Acetonitrile	41	7.072	7.072	0.000	100	209565	10.0	9.19	
27 Methylene Chloride	49	7.217	7.217	0.000	93	344529	10.0	9.06	
28 2-Methyl-2-propanol	59	7.436	7.436	0.000	93	637644	10.0	9.63	
29 Methyl tert-butyl ether	73	7.613	7.613	0.000	97	890886	10.0	9.58	
31 trans-1,2-Dichloroethene	61	7.650	7.650	0.000	99	459134	10.0	9.40	
32 Acrylonitrile	53	7.821	7.821	0.000	95	218626	10.0	9.16	
33 Hexane	57	8.024	8.024	0.000	91	486725	10.0	9.12	

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	8.533	8.533	0.000	99	577519	10.0	9.40	
35 Vinyl acetate	43	8.608	8.608	0.000	100	780815	10.0	9.23	
S 30 1,2-Dichloroethene, Total	61				0		20.0	18.9	
37 cis-1,2-Dichloroethene	96	9.667	9.667	0.000	93	357052	10.0	9.53	
38 2-Butanone (MEK)	72	9.726	9.726	0.000	100	181552	10.0	9.61	
39 Ethyl acetate	88	9.763	9.763	0.000	100	29558	10.0	9.83	
* 40 Chlorobromomethane	128	10.154	10.154	0.000	93	344063	10.0	10.0	
41 Tetrahydrofuran	42	10.159	10.159	0.000	91	356731	10.0	9.30	
42 Chloroform	83	10.287	10.287	0.000	95	719519	10.0	9.72	
43 Cyclohexane	84	10.528	10.528	0.000	98	492195	10.0	9.88	
44 1,1,1-Trichloroethane	97	10.566	10.566	0.000	95	728434	10.0	9.80	
45 Carbon tetrachloride	117	10.822	10.822	0.000	98	659051	10.0	9.04	
46 Isooctane	57	11.272	11.272	0.000	99	1848892	10.0	9.80	
47 Benzene	78	11.320	11.320	0.000	95	1182811	10.0	9.96	
48 1,2-Dichloroethane	62	11.529	11.529	0.000	97	447546	10.0	9.69	
49 n-Heptane	43	11.689	11.689	0.000	91	645391	10.0	9.50	
* 50 1,4-Difluorobenzene	114	12.224	12.224	0.000	94	1855940	10.0	10.0	
52 n-Butanol	56	12.668	12.668	0.000	86	261637	10.0	10.3	
53 Trichloroethene	95	12.716	12.716	0.000	98	509093	10.0	9.75	
A 51 GRO	1	13.187	(4.676-21.698)		0	154409450	10.0	0	
54 1,2-Dichloropropane	63	13.315	13.315	0.000	94	440401	10.0	9.99	
55 Methyl methacrylate	69	13.497	13.497	0.000	99	418848	10.0	9.76	
56 1,4-Dioxane	88	13.561	13.561	0.000	91	270421	10.0	10.5	
57 Dibromomethane	174	13.588	13.588	0.000	97	480576	10.0	10.2	
58 Dichlorobromomethane	83	13.898	13.898	0.000	98	792011	10.0	9.81	
60 cis-1,3-Dichloropropene	75	14.877	14.877	0.000	90	694127	10.0	9.95	
A 59 TVOC as Toluene	92	15.094	(3.029-27.160)		0	244505568	10.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.188	15.188	0.000	95	836109	10.0	9.59	
65 Toluene	92	15.487	15.487	0.000	93	844389	10.0	9.73	
64 n-Octane	43	15.546	15.546	0.000	91	906357	10.0	9.68	
66 trans-1,3-Dichloropropene	75	16.135	16.135	0.000	95	624983	10.0	9.45	
67 1,1,2-Trichloroethane	83	16.525	16.525	0.000	95	417661	10.0	9.77	
68 Tetrachloroethene	166	16.616	16.616	0.000	98	711017	10.0	10.1	
69 2-Hexanone	43	17.007	17.007	0.000	95	805130	10.0	9.37	
71 Chlorodibromomethane	129	17.328	17.328	0.000	98	835811	10.0	9.73	
72 Ethylene Dibromide	107	17.606	17.606	0.000	98	761807	10.0	9.87	
* 74 Chlorobenzene-d5	117	18.553	18.553	0.000	85	1681676	10.0	10.0	
75 Chlorobenzene	112	18.617	18.617	0.000	95	1160892	10.0	9.84	
76 Ethylbenzene	91	18.777	18.777	0.000	98	1897265	10.0	9.76	
77 n-Nonane	57	18.911	18.911	0.000	88	908284	10.0	9.69	
78 m-Xylene & p-Xylene	106	19.045	19.045	0.000	0	1486814	20.0	19.7	
S 73 Xylenes, Total	106				0		30.0	29.5	
79 o-Xylene	106	19.938	19.938	0.000	98	704441	10.0	9.78	
80 Styrene	104	20.002	20.002	0.000	98	1148026	10.0	9.79	
81 Bromoform	173	20.473	20.473	0.000	98	812490	10.0	9.45	
82 Isopropylbenzene	105	20.698	20.698	0.000	96	2131501	10.0	9.85	
84 1,1,2,2-Tetrachloroethane	83	21.431	21.431	0.000	98	1105254	10.0	9.92	
85 N-Propylbenzene	91	21.490	21.490	0.000	99	2570969	10.0	9.84	
86 1,2,3-Trichloropropane	75	21.527	21.527	0.000	99	886455	10.0	9.72	
87 n-Decane	57	21.688	21.688	0.000	92	1200437	10.0	10.2	
88 4-Ethyltoluene	105	21.698	21.698	0.000	99	2183366	10.0	10.1	
89 2-Chlorotoluene	91	21.698	21.698	0.000	96	1815992	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 1,3,5-Trimethylbenzene	105	21.811	21.811	0.000	93	1802551	10.0	10.1	
91 Alpha Methyl Styrene	118	22.207	22.207	0.000	89	904513	10.0	10.0	
92 tert-Butylbenzene	119	22.335	22.335	0.000	94	1708664	10.0	10.1	
93 1,2,4-Trimethylbenzene	105	22.437	22.437	0.000	97	1797233	10.0	10.1	
94 sec-Butylbenzene	105	22.677	22.677	0.000	99	2643262	10.0	10.2	
95 4-Isopropyltoluene	119	22.891	22.891	0.000	98	2252871	10.0	10.4	
96 1,3-Dichlorobenzene	146	22.918	22.918	0.000	98	1262936	10.0	10.3	
97 1,4-Dichlorobenzene	146	23.062	23.062	0.000	96	1253118	10.0	10.3	
98 Benzyl chloride	91	23.271	23.271	0.000	99	1545333	10.0	9.94	
100 n-Butylbenzene	91	23.485	23.485	0.000	98	2106893	10.0	10.5	
99 Undecane	57	23.517	23.517	0.000	95	1136992	10.0	9.71	
101 1,2-Dichlorobenzene	146	23.614	23.614	0.000	97	1198946	10.0	10.4	
102 Dodecane	57	25.138	25.138	0.000	98	888533	10.0	10.8	
103 1,2,4-Trichlorobenzene	180	26.171	26.171	0.000	94	856738	10.0	10.4	
104 Hexachlorobutadiene	225	26.358	26.358	0.000	98	844843	10.0	10.5	
105 Naphthalene	128	26.668	26.668	0.000	99	1897393	10.0	10.9	
106 1,2,3-Trichlorobenzene	180	27.150	27.150	0.000	96	820957	10.0	11.2	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15CAL4w_00697

Amount Added: 200.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_02.D

Injection Date: 16-Jul-2018 10:36:30

Instrument ID: CHX.i

Operator ID: pad

Lims ID: ccvis

Worklist Smp#: 2

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

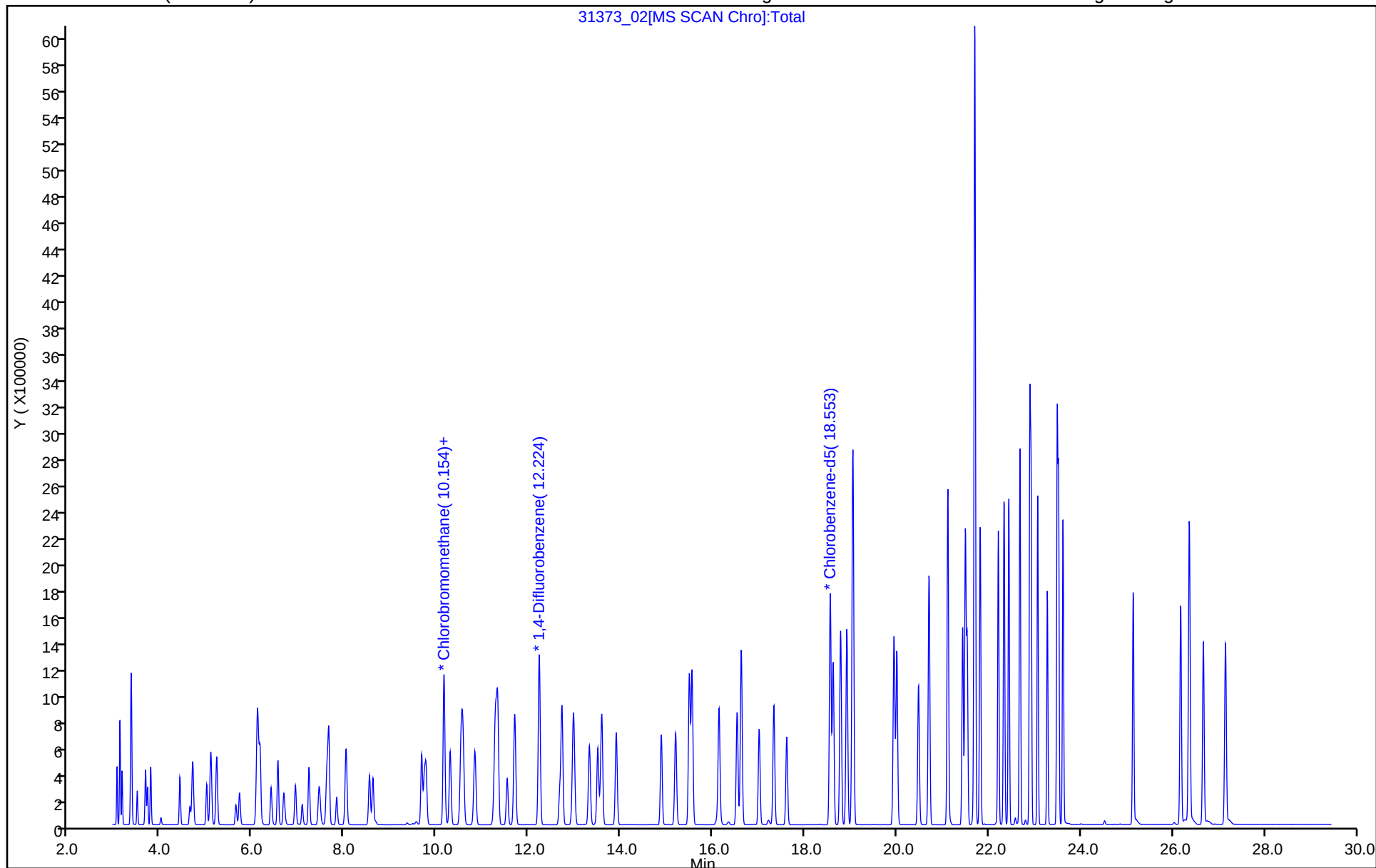
ALS Bottle#: 1

Method: TO15_MasterMethod_X.m

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\CHX.i\20180703-31226.b\31226_01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 03-Jul-2018 15:10:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0031226-001
 Operator ID: pad Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 05-Jul-2018 10:10:05 Calib Date: 04-Jul-2018 01:08:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK020

First Level Reviewer: daiglep

Date: 05-Jul-2018 09:52:01

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		10.154				10.0	ND	
* 50 1,4-Difluorobenzene	114		12.229				10.0	ND	
* 74 Chlorobenzene-d5	117		18.553				10.0	ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

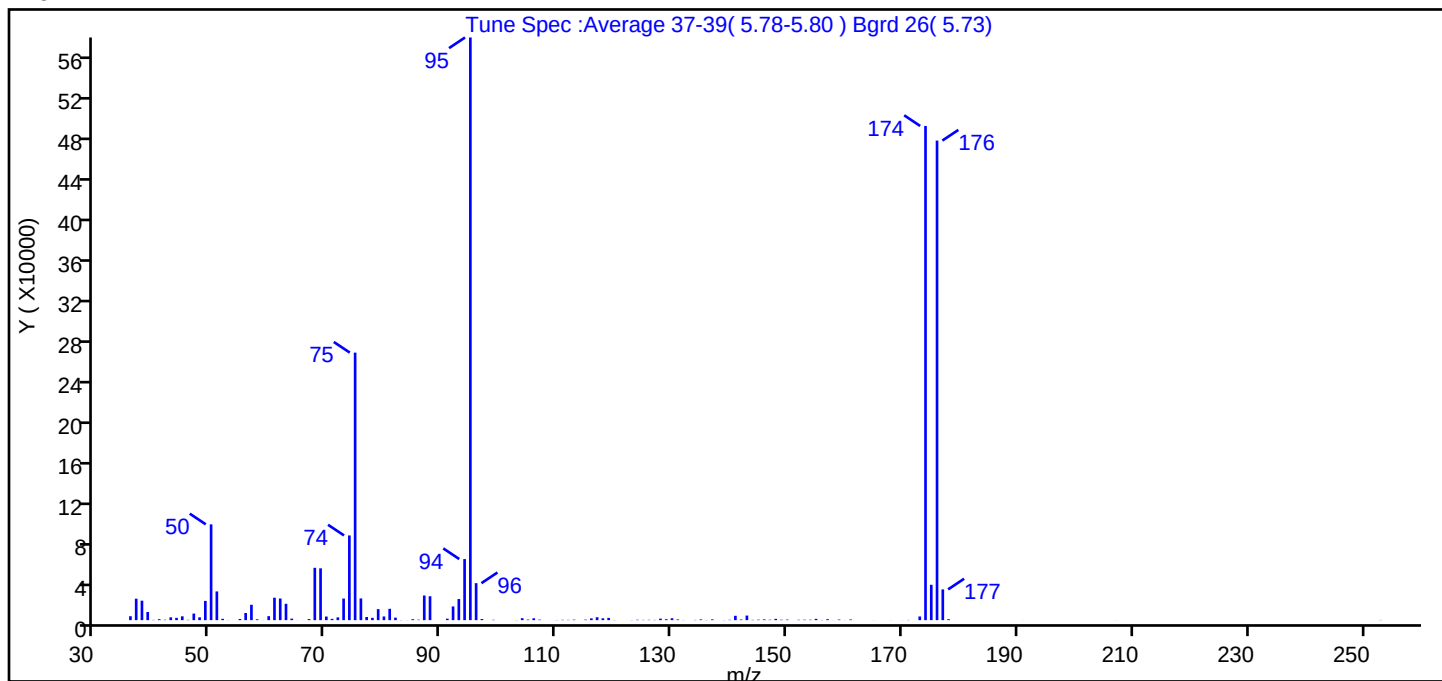
Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_01.D
Injection Date: 03-Jul-2018 15:10:30 Instrument ID: CHX.i
Lims ID: bfb
Client ID:
Operator ID: pad ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m 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	16.4
75	30.0 to 66.0 Percent of m/e 95	45.9
96	5.0 to 9.0 Percent of m/e 95	6.3
173	Less than 2.0 Percent of m/e 174	0.6 (0.7)
174	50.0 to 120.0 Percent of m/e 95	84.8
175	4.0 to 9.0 Percent of m/e 174	6.1 (7.2)
176	93.0 to 101.0 Percent of m/e 174	82.3 (97.0)
177	5.0 to 9.0 Percent of m/e 176	5.3 (6.4)

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_01.D\TO15_MasterMethod_X.m.rslts
Injection Date: 03-Jul-2018 15:10:30
Spectrum: Tune Spec :Average 37-39(5.78-5.80) Bgrd 26(5.73)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 126

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3897	68.00	52048	106.00	1852	144.00	298
37.00	21328	69.00	51536	107.00	507	145.00	485
38.00	19352	70.00	3578	109.00	31	146.00	744
39.00	8105	71.00	1300	110.00	152	147.00	420
40.00	233	72.00	2757	111.00	356	148.00	1265
41.00	950	73.00	21472	112.00	283	149.00	433
42.00	382	74.00	84232	113.00	503	150.00	541
43.00	2767	75.00	266048	115.00	511	152.00	385
44.00	2265	76.00	21584	116.00	1747	153.00	442
45.00	3804	77.00	3100	117.00	2892	154.00	413
46.00	324	78.00	2271	118.00	1804	155.00	1282
47.00	6526	79.00	10964	119.00	2213	156.00	196
48.00	2814	80.00	3649	120.00	140	157.00	920
49.00	19136	81.00	11258	123.00	129	158.00	69
50.00	95280	82.00	2512	124.00	420	159.00	588
51.00	28568	83.00	148	125.00	250	160.00	50
52.00	1308	84.00	88	126.00	333	161.00	660
53.00	91	85.00	922	127.00	216	165.00	69
54.00	8	86.00	448	128.00	1488	168.00	55
55.00	1146	87.00	24496	129.00	934	170.00	60
56.00	7100	88.00	23760	130.00	1866	171.00	191
57.00	15289	91.00	1451	131.00	693	173.00	3655
58.00	834	92.00	13633	132.00	105	174.00	491456
59.00	52	93.00	20984	134.00	222	175.00	35168
60.00	3961	94.00	60744	135.00	724	176.00	476928
61.00	22288	95.00	579456	136.00	115	177.00	30576
62.00	21520	96.00	36776	137.00	769	178.00	938
63.00	16277	97.00	1126	139.00	129	191.00	47
64.00	1505	99.00	337	140.00	336	207.00	58
65.00	77	103.00	129	141.00	4315	253.00	185
66.00	34	104.00	1956	142.00	634		
67.00	1073	105.00	580	143.00	4559		

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 16-Jul-2018 09:42:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 200.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0031373-001
 Operator ID: pad Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Jul-2018 10:25:10 Calib Date: 04-Jul-2018 01:08:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK024

First Level Reviewer: bunmaa

Date: 17-Jul-2018 10:25:10

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		10.154				10.0	ND	
* 50 1,4-Difluorobenzene	114		12.224				10.0	ND	
* 74 Chlorobenzene-d5	117		18.553				10.0	ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

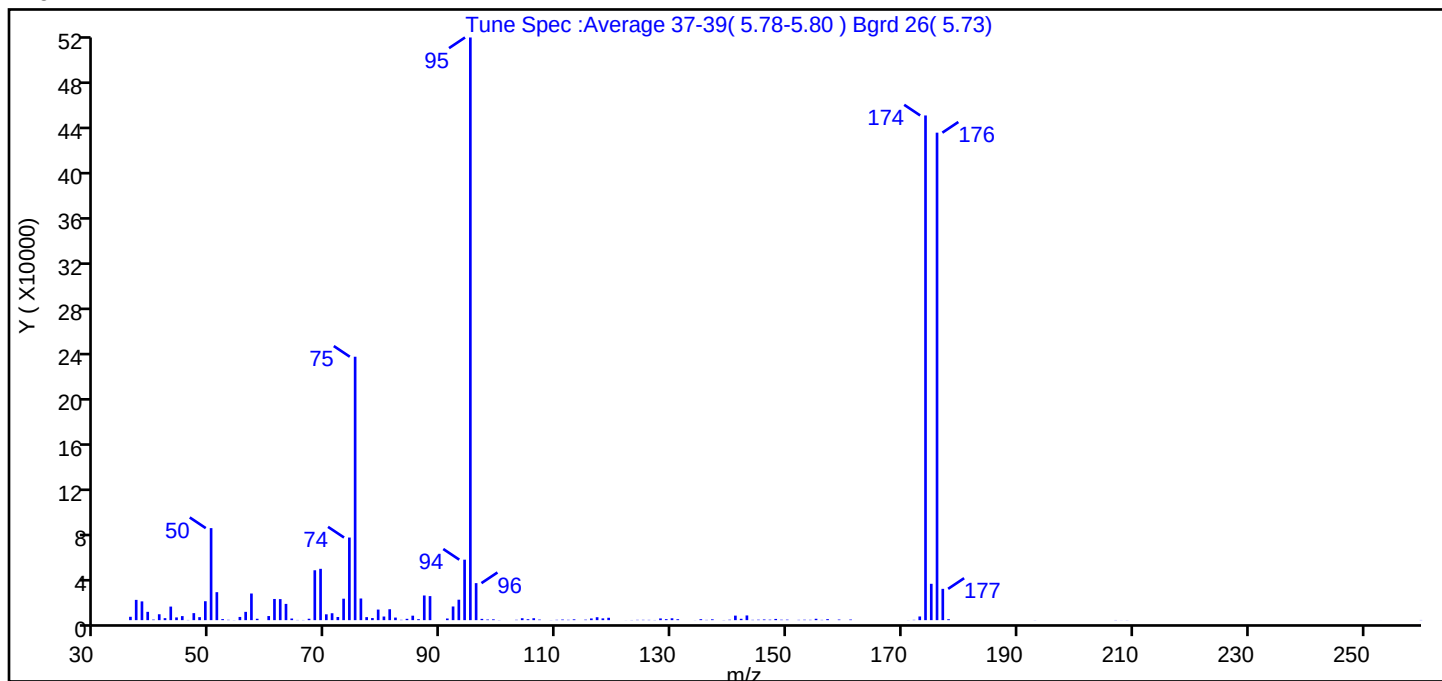
Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_01.D
Injection Date: 16-Jul-2018 09:42:30 Instrument ID: CHX.i
Lims ID: bfb
Client ID:
Operator ID: pad ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m 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	15.8
75	30.0 to 66.0 Percent of m/e 95	45.2
96	5.0 to 9.0 Percent of m/e 95	6.4
173	Less than 2.0 Percent of m/e 174	0.6 (0.7)
174	50.0 to 120.0 Percent of m/e 95	86.6
175	4.0 to 9.0 Percent of m/e 174	6.2 (7.2)
176	93.0 to 101.0 Percent of m/e 174	83.7 (96.6)
177	5.0 to 9.0 Percent of m/e 176	5.4 (6.4)

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_01.D\TO15_MasterMethod_X.m.rslts
Injection Date: 16-Jul-2018 09:42:30
Spectrum: Tune Spec :Average 37-39(5.78-5.80) Bgrd 26(5.73)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 126

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2954	69.00	45240	105.00	822	144.00	272
37.00	17864	70.00	5146	106.00	1696	145.00	401
38.00	16536	71.00	6085	107.00	485	146.00	605
39.00	7318	72.00	2782	109.00	83	147.00	424
40.00	498	73.00	18904	110.00	294	148.00	1076
41.00	5193	74.00	72824	111.00	541	149.00	378
42.00	1762	75.00	232192	112.00	304	150.00	443
43.00	11950	76.00	19088	113.00	720	152.00	263
44.00	2403	77.00	2653	115.00	435	153.00	371
45.00	3562	78.00	1847	116.00	1486	154.00	287
46.00	170	79.00	9313	117.00	2580	155.00	1211
47.00	6180	80.00	3195	118.00	1559	156.00	228
48.00	2632	81.00	9609	119.00	2094	157.00	867
49.00	16672	82.00	2268	122.00	52	159.00	534
50.00	81112	83.00	282	123.00	139	161.00	537
51.00	24664	84.00	1169	124.00	272	171.00	78
52.00	925	85.00	3934	125.00	286	172.00	268
53.00	292	86.00	852	126.00	247	173.00	3243
54.00	108	87.00	21736	127.00	146	174.00	444864
55.00	2824	88.00	21184	128.00	1499	175.00	32032
56.00	7304	91.00	1439	129.00	888	176.00	429696
57.00	23480	92.00	12043	130.00	1639	177.00	27584
58.00	1217	93.00	18016	131.00	823	178.00	799
60.00	3611	94.00	53304	134.00	64	191.00	4
61.00	18656	95.00	513600	135.00	844	193.00	77
62.00	18544	96.00	32624	136.00	229	207.00	144
63.00	14318	97.00	1124	137.00	728	208.00	50
64.00	1421	98.00	553	139.00	132	209.00	82
65.00	178	99.00	717	140.00	388	253.00	20
66.00	153	100.00	124	141.00	3981	260.00	156
67.00	1233	103.00	313	142.00	1190		
68.00	43960	104.00	1690	143.00	4140		

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

Lab Name: TestAmerica Burlington Job No.: 200-44316-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-131805/4

Matrix: Air Lab File ID: 31373_04.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 07/16/2018 12:17

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.: 131805 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.: 200-44316-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-131805/4
 Matrix: Air Lab File ID: 31373_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 07/16/2018 12:17
 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.: 131805 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.: 200-44316-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-131805/4

Matrix: Air Lab File ID: 31373_04.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 07/16/2018 12:17

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.: 131805 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.: 200-44316-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-131805/4
 Matrix: Air Lab File ID: 31373_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 07/16/2018 12:17
 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.: 131805 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\CHX.i\20180716-31373.b\31373_04.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 16-Jul-2018 12:17:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0031373-004
 Operator ID: pad Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Jul-2018 10:34:23 Calib Date: 04-Jul-2018 01:08:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK024

First Level Reviewer: bunmaa

Date: 17-Jul-2018 10:34:23

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		3.039					ND	
2 Dichlorodifluoromethane	85		3.108					ND	
3 Chlorodifluoromethane	51		3.151					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.349					ND	
5 Chloromethane	50		3.483					ND	
6 Butane	43		3.664					ND	
7 Vinyl chloride	62		3.707					ND	
8 Butadiene	54		3.777					ND	
10 Bromomethane	94		4.408					ND	
11 Chloroethane	64		4.627					ND	
12 2-Methylbutane	43		4.686					ND	
13 Vinyl bromide	106		4.991					ND	
14 Trichlorofluoromethane	101		5.082					ND	
16 Pentane	43		5.211					ND	
17 Ethanol	45	5.665	5.628	0.037	98	2825		0.1678	
18 Ethyl ether	59		5.708					ND	
19 Acrolein	56		6.093					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		6.099					ND	
21 1,1-Dichloroethene	96		6.152					ND	
22 Acetone	43		6.393					ND	Ua
23 Carbon disulfide	76		6.543					ND	
24 Isopropyl alcohol	45	6.724	6.671	0.053	98	5700		0.1107	
25 3-Chloro-1-propene	41		6.922					ND	
26 Acetonitrile	41		7.072					ND	
27 Methylene Chloride	49		7.217					ND	Ua
28 2-Methyl-2-propanol	59		7.436					ND	
29 Methyl tert-butyl ether	73		7.613					ND	
31 trans-1,2-Dichloroethene	61		7.650					ND	
32 Acrylonitrile	53		7.821					ND	
33 Hexane	57		8.024					ND	
34 1,1-Dichloroethane	63		8.533					ND	
35 Vinyl acetate	43		8.608					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 30 1,2-Dichloroethene, Total	61		9.665					ND	
37 cis-1,2-Dichloroethene	96		9.667					ND	
38 2-Butanone (MEK)	72		9.726					ND	
39 Ethyl acetate	88		9.763					ND	
* 40 Chlorobromomethane	128	10.148	10.154	-0.006	89	342180	10.0	10.0	
41 Tetrahydrofuran	42		10.159					ND	
42 Chloroform	83		10.287					ND	
43 Cyclohexane	84		10.528					ND	
44 1,1,1-Trichloroethane	97		10.566					ND	
45 Carbon tetrachloride	117		10.822					ND	
46 Isooctane	57		11.272					ND	MUa
47 Benzene	78		11.320					ND	
48 1,2-Dichloroethane	62		11.529					ND	
49 n-Heptane	43		11.689					ND	
* 50 1,4-Difluorobenzene	114	12.219	12.224	-0.005	94	1873752	10.0	10.0	
52 n-Butanol	56		12.668					ND	
53 Trichloroethene	95		12.716					ND	
A 51 GRO	1	13.187	(4.676-21.698)		0	5078649		0	
54 1,2-Dichloropropane	63		13.315					ND	
55 Methyl methacrylate	69		13.497					ND	
56 1,4-Dioxane	88		13.561					ND	
57 Dibromomethane	174		13.588					ND	
58 Dichlorobromomethane	83		13.898					ND	
60 cis-1,3-Dichloropropene	75		14.877					ND	
A 59 TVOC as Toluene	92	15.094	(3.029-27.160)		0	5253207		0	
61 4-Methyl-2-pentanone (MIBK)	43		15.188					ND	
65 Toluene	92		15.487					ND	
64 n-Octane	43		15.546					ND	
66 trans-1,3-Dichloropropene	75		16.135					ND	
67 1,1,2-Trichloroethane	83		16.525					ND	
68 Tetrachloroethene	166		16.616					ND	
69 2-Hexanone	43		17.007					ND	
71 Chlorodibromomethane	129		17.328					ND	
72 Ethylene Dibromide	107		17.606					ND	
* 74 Chlorobenzene-d5	117	18.553	18.553	0.000	85	1642567	10.0	10.0	
75 Chlorobenzene	112		18.617					ND	Ua
76 Ethylbenzene	91		18.777					ND	U
77 n-Nonane	57		18.911					ND	
78 m-Xylene & p-Xylene	106		19.045					ND	
S 73 Xylenes, Total	106		19.600					ND	
79 o-Xylene	106		19.938					ND	
80 Styrene	104		20.002					ND	
81 Bromoform	173		20.473					ND	
82 Isopropylbenzene	105		20.698					ND	
84 1,1,2,2-Tetrachloroethane	83		21.431					ND	
85 N-Propylbenzene	91		21.490					ND	
86 1,2,3-Trichloropropane	75		21.527					ND	
87 n-Decane	57		21.688					ND	
88 4-Ethyltoluene	105		21.698					ND	
89 2-Chlorotoluene	91		21.698					ND	
90 1,3,5-Trimethylbenzene	105		21.811					ND	
91 Alpha Methyl Styrene	118		22.207					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119		22.335					ND	
93 1,2,4-Trimethylbenzene	105		22.437					ND	
94 sec-Butylbenzene	105		22.677					ND	
95 4-Isopropyltoluene	119		22.891					ND	
96 1,3-Dichlorobenzene	146		22.918					ND	MUa
97 1,4-Dichlorobenzene	146		23.062					ND	Ua
98 Benzyl chloride	91		23.271					ND	
100 n-Butylbenzene	91		23.485					ND	
99 Undecane	57		23.517					ND	
101 1,2-Dichlorobenzene	146		23.614					ND	Ua
102 Dodecane	57		25.138					ND	
103 1,2,4-Trichlorobenzene	180		26.171					ND	Ua
104 Hexachlorobutadiene	225		26.358					ND	
105 Naphthalene	128		26.668					ND	
106 1,2,3-Trichlorobenzene	180		27.150					ND	
T 118 Chlorotrifluoroethene TIC	1		0.000					ND	
T 107 Methyl acetylene TIC	1		0.000					ND	
T 119 Difluoroethane TIC	1		0.000					ND	
T 121 1,1,1-Trifluoro-2,2-dichlo	1		0.000					ND	
T 120 Freon 115 TIC	1		0.000					ND	
T 36 Methyl cyclohexane TIC	55		0.000					ND	
T 15 Methyl Acetate TIC	43		0.000					ND	
T 70 1,2-Dibromo-3-Chloropropan	75		0.000					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	
T 109 1,3-Dichloropropane TIC	1		0.000					ND	

QC Flag Legend

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_04.D

Injection Date: 16-Jul-2018 12:17:30

Instrument ID: CHX.i

Operator ID: pad

Lims ID: mb

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

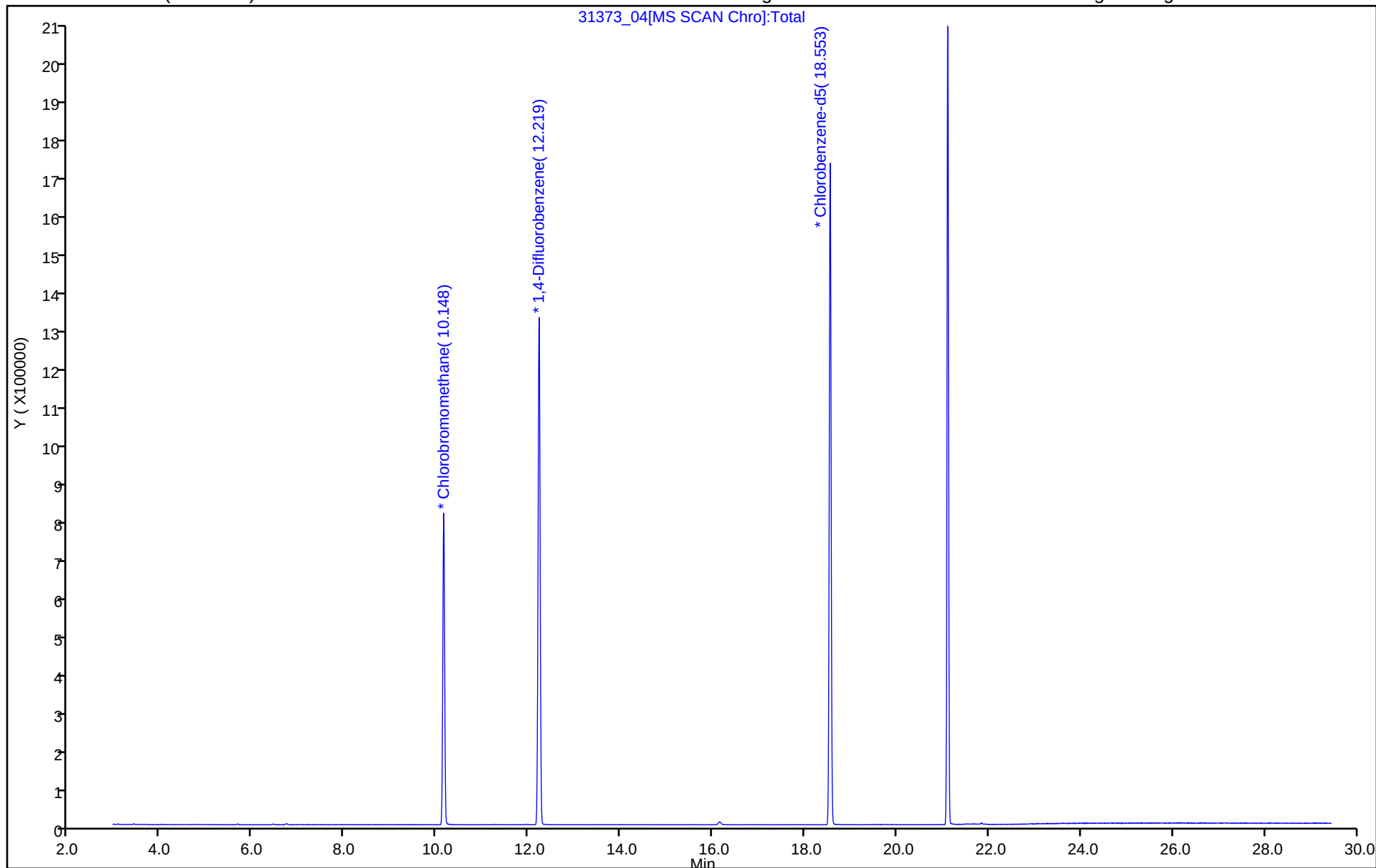
ALS Bottle#: 3

Method: TO15_MasterMethod_X.m

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\CHX.i\20180716-31373.b\31373_04.D

Injection Date: 16-Jul-2018 12:17:30

Instrument ID: CHX.i

Lims ID: mb

Client ID:

Operator ID: pad

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_X.m

Limit Group:

AI_TO15_ICAL

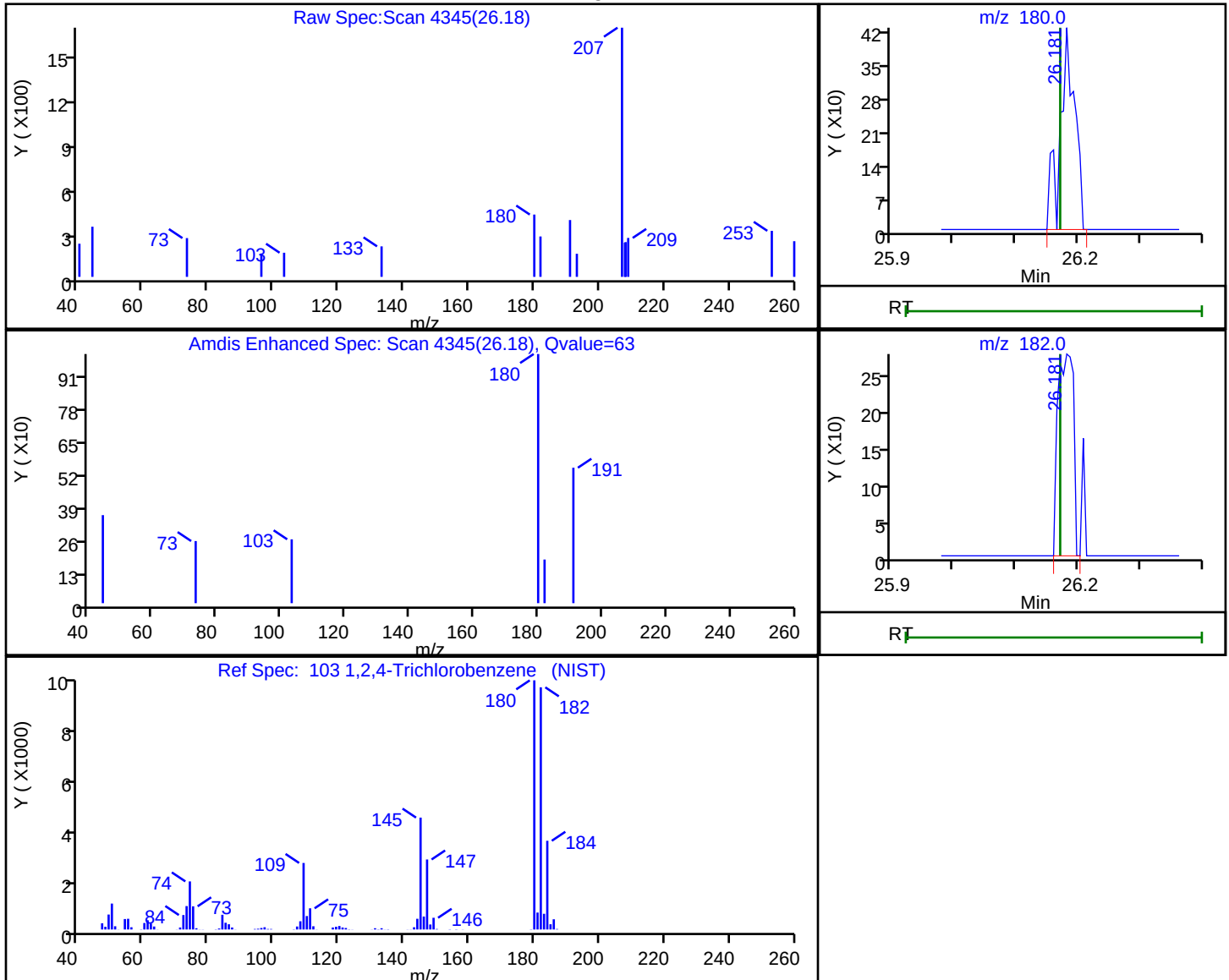
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
26.18	180.00	704	0.008729
26.18	182.00	479	

Reviewer: bunmaa, 17-Jul-2018 10:34:05

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_04.D

Injection Date: 16-Jul-2018 12:17:30

Instrument ID: CHX.i

Lims ID: mb

Client ID:

Operator ID: pad

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_X.m

Limit Group:

AI_TO15_ICAL

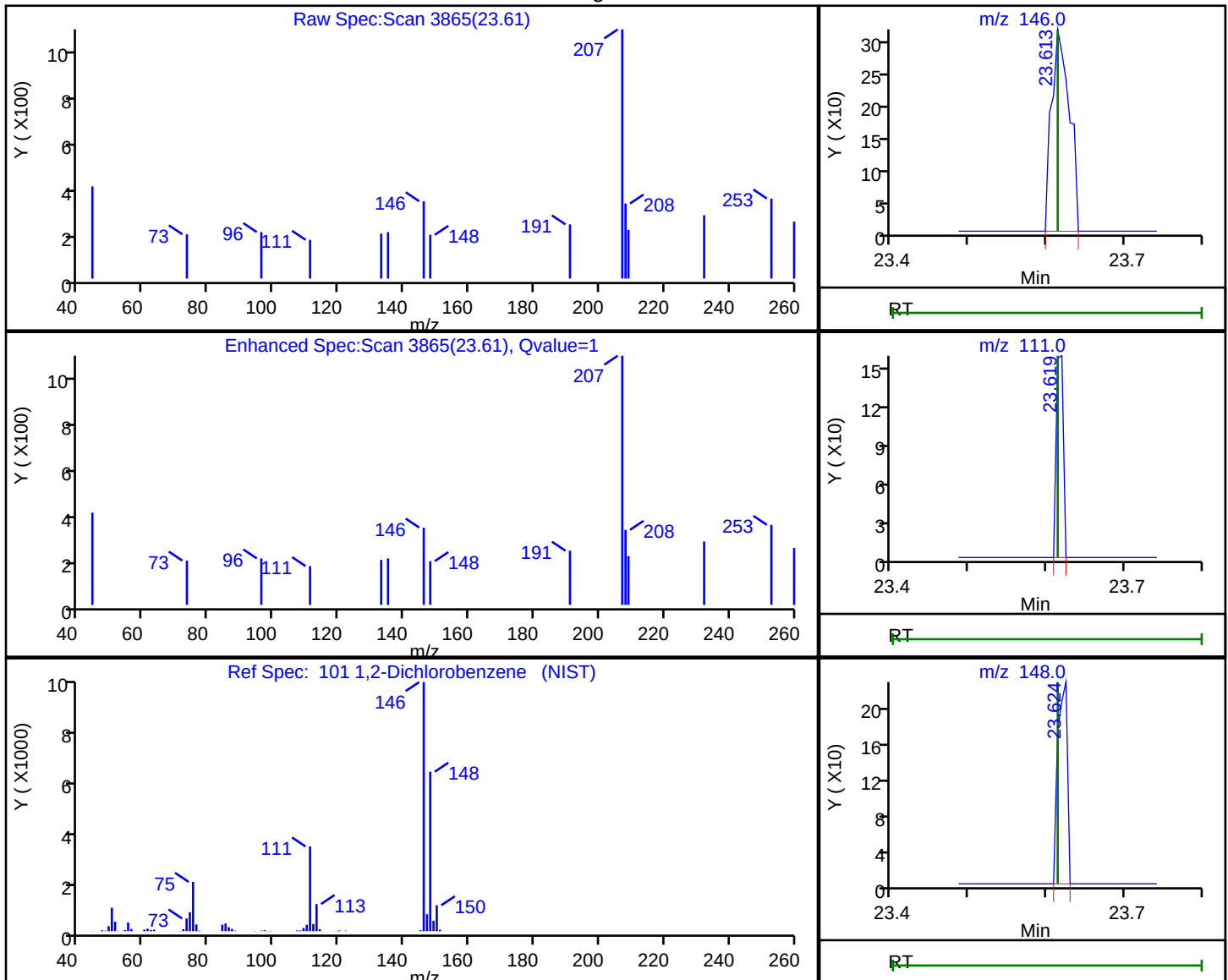
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

101 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
23.61	146.00	496	0.004392
23.62	111.00	101	
23.62	148.00	197	

Reviewer: bunmaa, 17-Jul-2018 10:33:54

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_04.D

Injection Date: 16-Jul-2018 12:17:30

Instrument ID: CHX.i

Lims ID: mb

Client ID:

Operator ID: pad

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

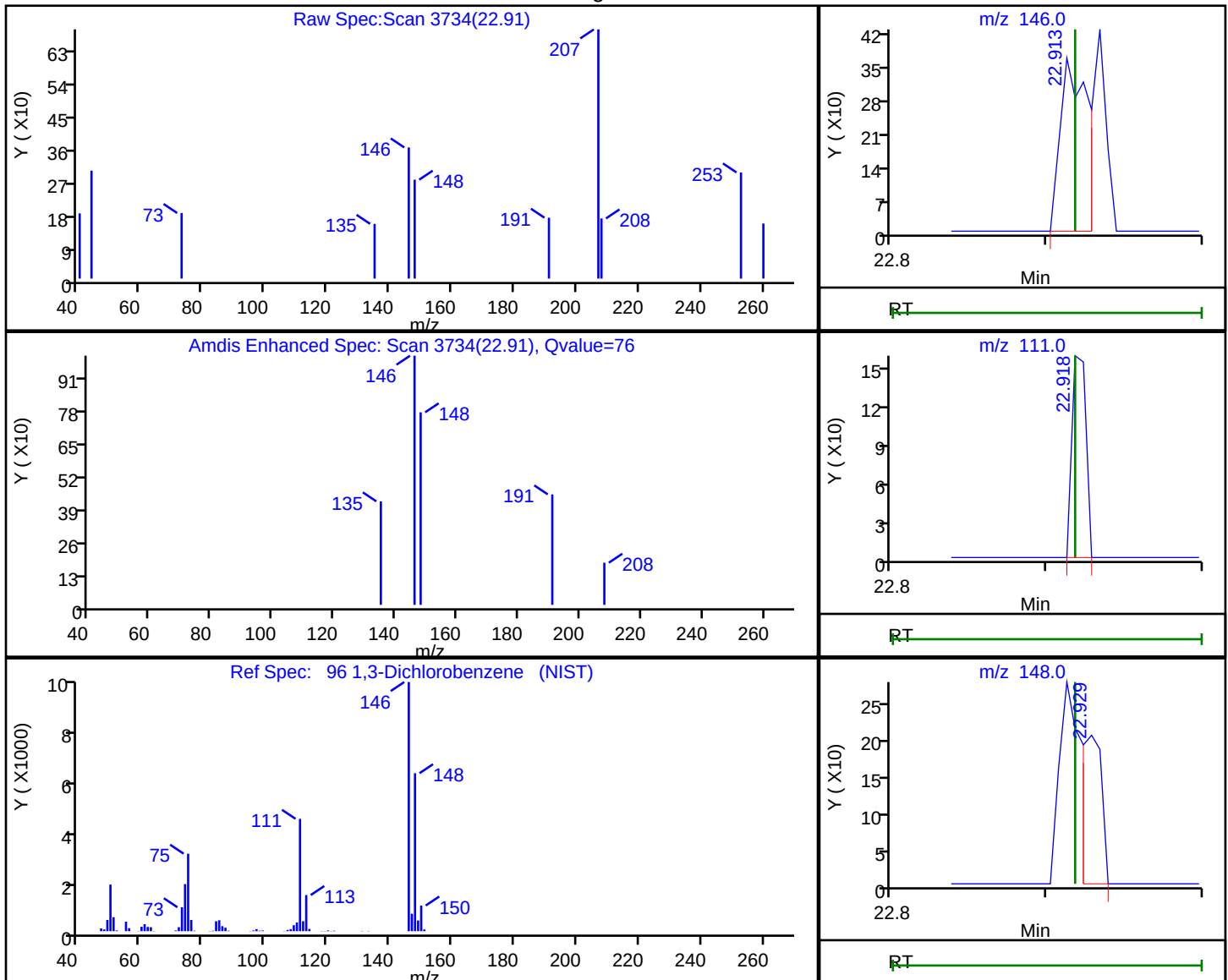
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

96 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
22.91	146.00	446	0.003730
22.92	111.00	101	
22.93	148.00	183	

Reviewer: bunmaa, 17-Jul-2018 10:33:30

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_04.D

Injection Date: 16-Jul-2018 12:17:30

Instrument ID: CHX.i

Lims ID: mb

Client ID:

Operator ID: pad

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_X.m

Limit Group:

AI_TO15_ICAL

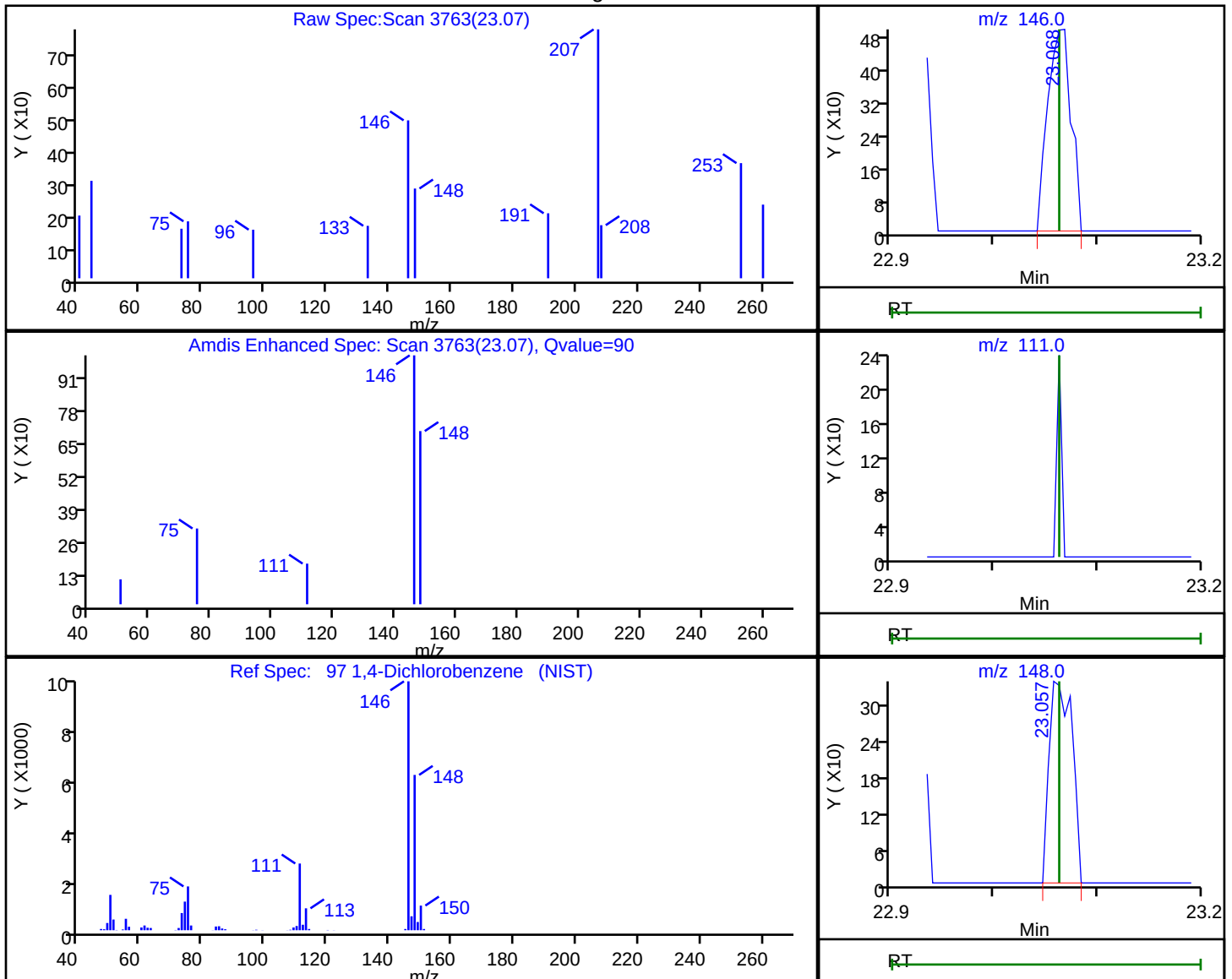
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

97 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
23.07	146.00	773	0.006506
23.06	111.00	0	
23.06	148.00	521	

Reviewer: bunmaa, 17-Jul-2018 10:33:39

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_04.D

Injection Date: 16-Jul-2018 12:17:30

Instrument ID: CHX.i

Lims ID: mb

Client ID:

Operator ID: pad

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

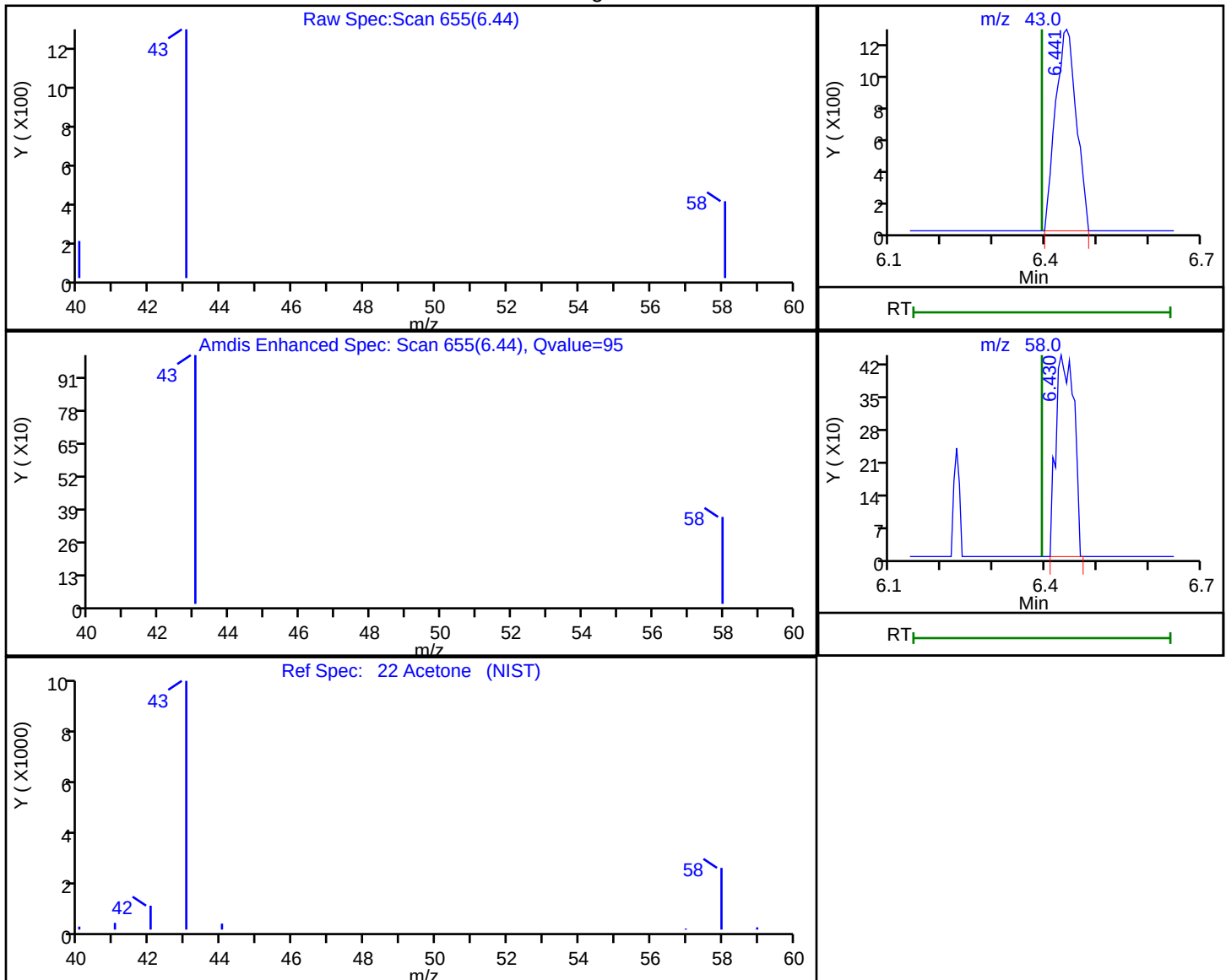
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
6.44	43.00	3384	0.074998
6.43	58.00	1053	

Reviewer: bunmaa, 17-Jul-2018 10:29:35

Audit Action: Marked Compound Undetected

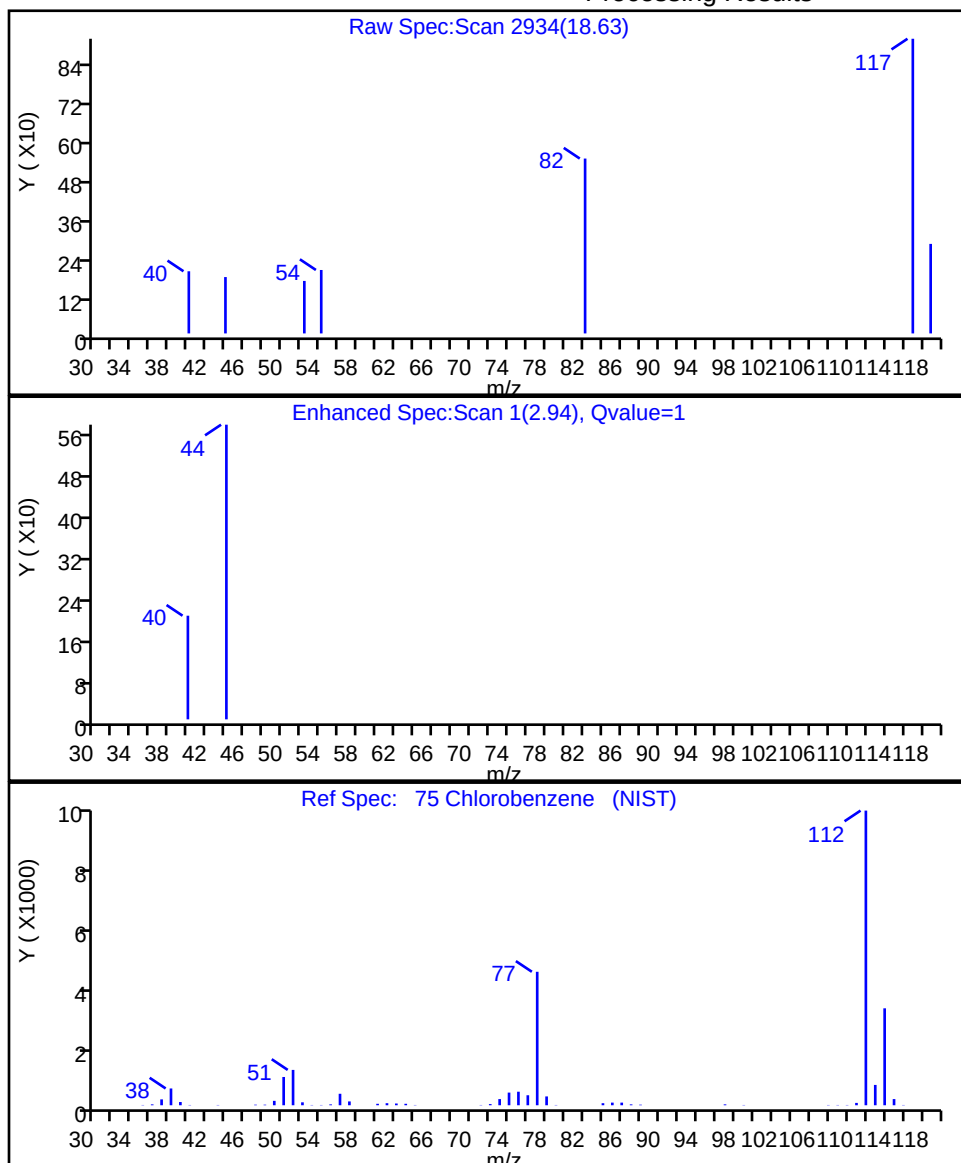
Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_04.D
Injection Date: 16-Jul-2018 12:17:30 Instrument ID: CHX.i
Lims ID: mb
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

75 Chlorobenzene, CAS: 108-90-7

Processing Results



RT	Mass	Response	Amount
18.63	112.00	0	
18.55	77.00	14414	
18.63	114.00	0	

Reviewer: bunmaa, 17-Jul-2018 10:32:48

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_04.D

Injection Date: 16-Jul-2018 12:17:30

Instrument ID: CHX.i

Lims ID: mb

Client ID:

Operator ID: pad

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

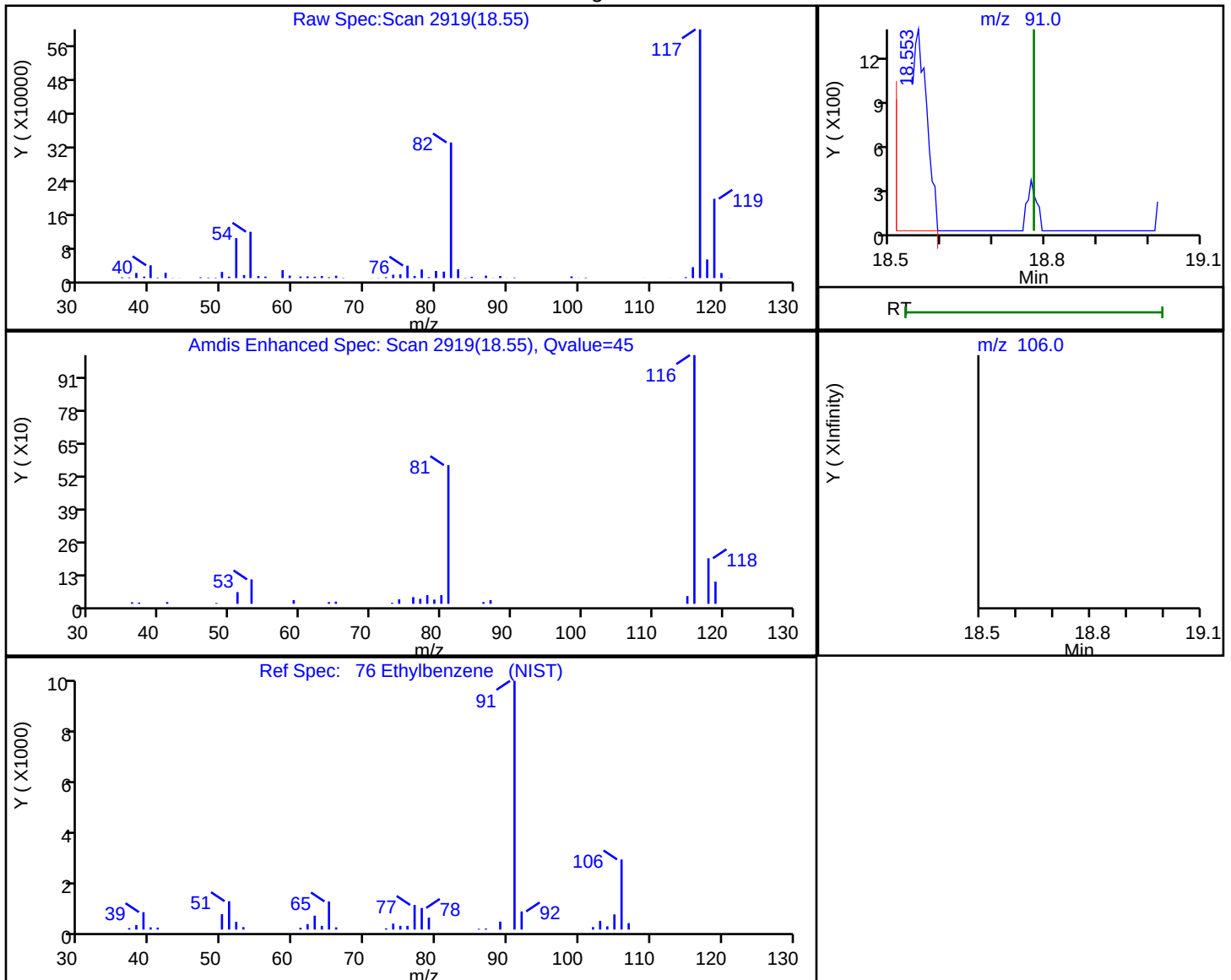
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
18.55	91.00	3276	0.017259
18.78	106.00	0	

Reviewer: bunmaa, 17-Jul-2018 10:32:52

Audit Action: Marked Compound Undetected

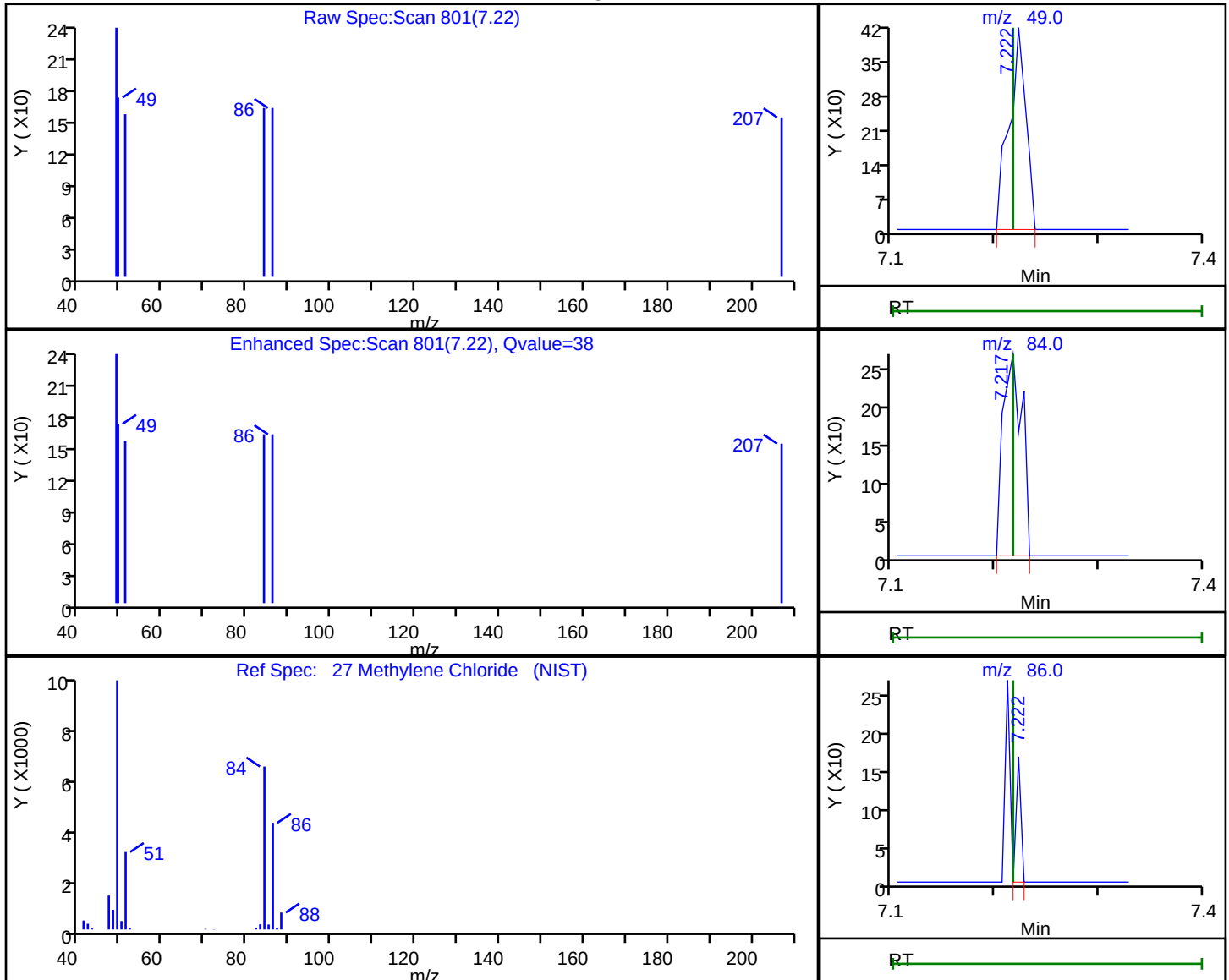
Audit Reason: Invalid Compound ID

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_04.D
Injection Date: 16-Jul-2018 12:17:30 Instrument ID: CHX.i
Lims ID: mb
Client ID:
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

27 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
7.22	49.00	463	0.012248
7.22	84.00	338	
7.22	86.00	52	

Reviewer: bunmaa, 17-Jul-2018 10:30:30

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: TestAmerica Burlington Job No.: 200-44316-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-131805/3
 Matrix: Air Lab File ID: 31373_03.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 07/16/2018 11:27
 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.: 131805 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	9.31		0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.83		0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	9.83		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	8.98		0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	8.38		0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	7.69		0.50	0.50
95-63-6	1,2,4-Trimethylbenzene	120.20	9.67		0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	9.93		0.20	0.20
95-50-1	1,2-Dichlorobenzene	147.00	9.59		0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	9.36		0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	18.2		0.40	0.40
78-87-5	1,2-Dichloropropane	112.99	9.62		0.20	0.20
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	9.98		0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	9.67		0.20	0.20
106-99-0	1,3-Butadiene	54.09	8.35		0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	9.71		0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	9.72		0.20	0.20
123-91-1	1,4-Dioxane	88.11	9.12		5.0	5.0
540-84-1	2,2,4-Trimethylpentane	114.23	9.41		0.20	0.20
95-49-8	2-Chlorotoluene	126.59	9.76		0.20	0.20
107-05-1	3-Chloropropene	76.53	7.40		0.50	0.50
622-96-8	4-Ethyltoluene	120.20	10.0		0.20	0.20
67-64-1	Acetone	58.08	8.48		5.0	5.0
71-43-2	Benzene	78.11	9.47		0.20	0.20
75-27-4	Bromodichloromethane	163.83	9.74		0.20	0.20
593-60-2	Bromoethene (Vinyl Bromide)	106.96	10.0		0.20	0.20
75-25-2	Bromoform	252.75	9.61		0.20	0.20
74-83-9	Bromomethane	94.94	9.38		0.20	0.20
75-15-0	Carbon disulfide	76.14	9.22		0.50	0.50
56-23-5	Carbon tetrachloride	153.81	9.95		0.20	0.20
108-90-7	Chlorobenzene	112.56	9.75		0.20	0.20
75-00-3	Chloroethane	64.52	8.95		0.50	0.50
67-66-3	Chloroform	119.38	9.16		0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-44316-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-131805/3
 Matrix: Air Lab File ID: 31373_03.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 07/16/2018 11:27
 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.: 131805 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	8.35		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	9.00		0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	9.16		0.20	0.20
110-82-7	Cyclohexane	84.16	9.62		0.20	0.20
124-48-1	Dibromochloromethane	208.29	9.60		0.20	0.20
75-71-8	Dichlorodifluoromethane	120.91	8.88		0.50	0.50
100-41-4	Ethylbenzene	106.17	9.55		0.20	0.20
76-13-1	Freon TF	187.38	8.59		0.20	0.20
87-68-3	Hexachlorobutadiene	260.76	8.53		0.20	0.20
67-63-0	Isopropyl alcohol	60.10	7.98		5.0	5.0
179601-23-1	m,p-Xylene	106.17	19.5		0.50	0.50
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	8.55		0.50	0.50
78-93-3	Methyl Ethyl Ketone	72.11	8.82		0.50	0.50
108-10-1	methyl isobutyl ketone	100.16	8.88		0.50	0.50
1634-04-4	Methyl tert-butyl ether	88.15	9.08		0.20	0.20
75-09-2	Methylene Chloride	84.93	7.94		0.50	0.50
142-82-5	n-Heptane	100.21	9.06		0.20	0.20
110-54-3	n-Hexane	86.17	8.86		0.20	0.20
100-42-5	Styrene	104.15	9.41		0.20	0.20
75-65-0	tert-Butyl alcohol	74.12	8.90		5.0	5.0
127-18-4	Tetrachloroethene	165.83	10.1		0.20	0.20
109-99-9	Tetrahydrofuran	72.11	9.20		5.0	5.0
108-88-3	Toluene	92.14	9.63		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	9.15		0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	9.75		0.20	0.20
79-01-6	Trichloroethene	131.39	9.52		0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	9.83		0.20	0.20
75-01-4	Vinyl chloride	62.50	8.78		0.20	0.20
1330-20-7	Xylene (total)	106.17	29.3		0.70	0.70
95-47-6	Xylene, o-	106.17	9.75		0.20	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_03.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 16-Jul-2018 11:27:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0031373-003
 Operator ID: pad Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Jul-2018 10:26:10 Calib Date: 04-Jul-2018 01:08:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180703-31226.b\31226_13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK024

First Level Reviewer: bunmaa

Date: 17-Jul-2018 10:27:01

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	3.044	3.039	0.005	98	181299	10.0	7.92	
2 Dichlorodifluoromethane	85	3.108	3.108	0.000	99	672155	10.0	8.88	
3 Chlorodifluoromethane	51	3.156	3.151	0.005	97	415117	10.0	8.75	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.354	3.349	0.005	94	826484	10.0	9.98	
5 Chloromethane	50	3.482	3.483	-0.001	99	240991	10.0	8.35	
6 Butane	43	3.664	3.664	0.000	99	394594	10.0	8.32	
7 Vinyl chloride	62	3.707	3.707	0.000	98	293544	10.0	8.78	
8 Butadiene	54	3.777	3.777	0.000	95	207304	10.0	8.35	
10 Bromomethane	94	4.413	4.408	0.005	99	278065	10.0	9.38	
9 BFB									
11 Chloroethane	64	4.627	4.627	0.000	99	149512	10.0	8.95	
12 2-Methylbutane	43	4.691	4.686	0.005	92	314164	10.0	8.54	
13 Vinyl bromide	106	4.996	4.991	0.005	99	297534	10.0	10.0	
14 Trichlorofluoromethane	101	5.082	5.082	0.000	98	762446	10.0	9.83	
16 Pentane	43	5.210	5.211	-0.001	98	509261	10.0	8.67	
17 Ethanol	45	5.633	5.628	0.005	98	205778	15.0	11.8	
18 Ethyl ether	59	5.713	5.708	0.005	97	221098	10.0	9.84	
19 Acrolein	56	6.093	6.093	0.000	94	113755	10.0	8.90	
20 1,1,2-Trichloro-1,2,2-trif	101	6.104	6.099	0.005	99	589960	10.0	8.59	
21 1,1-Dichloroethene	96	6.157	6.152	0.005	98	282005	10.0	8.38	
22 Acetone	43	6.398	6.393	0.005	96	396017	10.0	8.48	
23 Carbon disulfide	76	6.542	6.543	-0.001	98	909734	10.0	9.22	
24 Isopropyl alcohol	45	6.671	6.671	0.000	99	425274	10.0	7.98	
25 3-Chloro-1-propene	41	6.922	6.922	0.000	95	285096	10.0	7.40	
26 Acetonitrile	41	7.072	7.072	0.000	99	208718	10.0	8.89	
27 Methylene Chloride	49	7.217	7.217	-0.001	92	310659	10.0	7.94	
28 2-Methyl-2-propanol	59	7.441	7.436	0.005	93	606751	10.0	8.90	
29 Methyl tert-butyl ether	73	7.618	7.613	0.005	97	869247	10.0	9.08	
31 trans-1,2-Dichloroethene	61	7.650	7.650	0.000	99	460144	10.0	9.15	
32 Acrylonitrile	53	7.821	7.821	0.000	95	220111	10.0	8.96	
33 Hexane	57	8.024	8.024	0.000	90	486735	10.0	8.86	
34 1,1-Dichloroethane	63	8.533	8.533	0.000	99	567868	10.0	8.98	

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	8.607	8.608	-0.001	100	740854	10.0	8.51	
S 30 1,2-Dichloroethene, Total	61				0		20.0	18.1	
37 cis-1,2-Dichloroethene	96	9.667	9.667	0.000	93	346915	10.0	9.00	
38 2-Butanone (MEK)	72	9.726	9.726	0.000	100	171541	10.0	8.82	
39 Ethyl acetate	88	9.763	9.763	0.000	99	29026	10.0	9.38	
* 40 Chlorobromomethane	128	10.154	10.154	0.000	92	354165	10.0	10.0	
41 Tetrahydrofuran	42	10.159	10.159	0.000	92	360746	10.0	9.20	
42 Chloroform	83	10.287	10.287	0.000	95	697616	10.0	9.16	
43 Cyclohexane	84	10.528	10.528	0.000	98	489960	10.0	9.62	
44 1,1,1-Trichloroethane	97	10.565	10.566	-0.001	95	707655	10.0	9.31	
45 Carbon tetrachloride	117	10.822	10.822	0.000	98	741561	10.0	9.95	
46 Isooctane	57	11.272	11.272	0.000	99	1815799	10.0	9.41	
47 Benzene	78	11.320	11.320	0.000	95	1149770	10.0	9.47	
48 1,2-Dichloroethane	62	11.528	11.529	-0.001	97	442103	10.0	9.36	
49 n-Heptane	43	11.689	11.689	0.000	90	629711	10.0	9.06	
* 50 1,4-Difluorobenzene	114	12.224	12.224	0.000	94	1897835	10.0	10.0	
52 n-Butanol	56	12.673	12.668	0.005	85	244522	10.0	9.38	
53 Trichloroethene	95	12.716	12.716	0.000	97	507950	10.0	9.52	
A 51 GRO	1	13.187	(4.676-21.698)		0	149270170	10.0	0	
54 1,2-Dichloropropane	63	13.315	13.315	0.000	94	433893	10.0	9.62	
55 Methyl methacrylate	69	13.497	13.497	0.000	99	424253	10.0	9.66	
56 1,4-Dioxane	88	13.561	13.561	0.000	91	239193	10.0	9.12	
57 Dibromomethane	174	13.588	13.588	0.000	97	477008	10.0	9.88	
58 Dichlorobromomethane	83	13.898	13.898	0.000	93	803932	10.0	9.74	
60 cis-1,3-Dichloropropene	75	14.877	14.877	0.000	90	653489	10.0	9.16	
A 59 TVOC as Toluene	92	15.094	(3.029-27.160)		0	229774403	10.0	0	
61 4-Methyl-2-pentanone (MIBK)	43	15.188	15.188	0.000	95	791243	10.0	8.88	
65 Toluene	92	15.487	15.487	0.000	93	851986	10.0	9.63	
64 n-Octane	43	15.546	15.546	0.000	90	900906	10.0	9.41	
66 trans-1,3-Dichloropropene	75	16.134	16.135	-0.001	95	659865	10.0	9.75	
67 1,1,2-Trichloroethane	83	16.525	16.525	0.000	95	428300	10.0	9.83	
68 Tetrachloroethene	166	16.616	16.616	0.000	98	724054	10.0	10.1	
69 2-Hexanone	43	17.006	17.007	-0.001	96	748638	10.0	8.55	
71 Chlorodibromomethane	129	17.327	17.328	-0.001	98	841016	10.0	9.60	
72 Ethylene Dibromide	107	17.606	17.606	0.000	98	780863	10.0	9.93	
* 74 Chlorobenzene-d5	117	18.553	18.553	0.000	85	1714384	10.0	10.0	
75 Chlorobenzene	112	18.617	18.617	0.000	95	1172392	10.0	9.75	
76 Ethylbenzene	91	18.777	18.777	0.000	98	1892594	10.0	9.55	
77 n-Nonane	57	18.911	18.911	0.000	88	892617	10.0	9.34	
78 m-Xylene & p-Xylene	106	19.045	19.045	0.000	0	1499609	20.0	19.5	
S 73 Xylenes, Total	106				0		30.0	29.2	
79 o-Xylene	106	19.938	19.938	0.000	98	715691	10.0	9.75	
80 Styrene	104	19.997	20.002	-0.005	98	1124050	10.0	9.41	
81 Bromoform	173	20.473	20.473	0.000	98	841993	10.0	9.61	
82 Isopropylbenzene	105	20.698	20.698	0.000	96	2091694	10.0	9.48	
84 1,1,2,2-Tetrachloroethane	83	21.431	21.431	0.000	98	1115933	10.0	9.83	
85 N-Propylbenzene	91	21.490	21.490	0.000	99	2543635	10.0	9.55	
86 1,2,3-Trichloropropane	75	21.527	21.527	0.000	99	849714	10.0	9.14	
87 n-Decane	57	21.687	21.688	-0.001	91	1116365	10.0	9.29	
88 4-Ethyltoluene	105	21.698	21.698	0.000	99	2196897	10.0	10.0	
89 2-Chlorotoluene	91	21.698	21.698	0.000	96	1798381	10.0	9.76	
90 1,3,5-Trimethylbenzene	105	21.811	21.811	-0.001	93	1764813	10.0	9.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
91 Alpha Methyl Styrene	118	22.206	22.207	-0.001	89	866731	10.0	9.40	
92 tert-Butylbenzene	119	22.335	22.335	0.000	94	1647785	10.0	9.56	
93 1,2,4-Trimethylbenzene	105	22.436	22.437	-0.001	97	1745403	10.0	9.67	
94 sec-Butylbenzene	105	22.677	22.677	0.000	99	2491988	10.0	9.39	
95 4-Isopropyltoluene	119	22.891	22.891	0.000	98	2098989	10.0	9.52	
96 1,3-Dichlorobenzene	146	22.918	22.918	0.000	98	1212030	10.0	9.71	
97 1,4-Dichlorobenzene	146	23.062	23.062	0.000	96	1205019	10.0	9.72	
98 Benzyl chloride	91	23.271	23.271	0.000	99	1377631	10.0	8.69	
100 n-Butylbenzene	91	23.485	23.485	0.000	98	1878240	10.0	9.21	
99 Undecane	57	23.517	23.517	0.000	95	963592	10.0	8.08	
101 1,2-Dichlorobenzene	146	23.613	23.614	-0.001	97	1130497	10.0	9.59	
102 Dodecane	57	25.138	25.138	0.000	98	640227	10.0	7.64	
103 1,2,4-Trichlorobenzene	180	26.171	26.171	0.000	94	647473	10.0	7.69	
104 Hexachlorobutadiene	225	26.358	26.358	0.000	98	701873	10.0	8.53	
105 Naphthalene	128	26.663	26.668	-0.005	99	1247678	10.0	7.01	
106 1,2,3-Trichlorobenzene	180	27.150	27.150	0.000	96	592380	10.0	7.93	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15LCSW_00767

Amount Added: 200.00

Units: mL

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180716-31373.b\31373_03.D

Injection Date: 16-Jul-2018 11:27:30

Instrument ID: CHX.i

Operator ID: pad

Lims ID: lcs

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

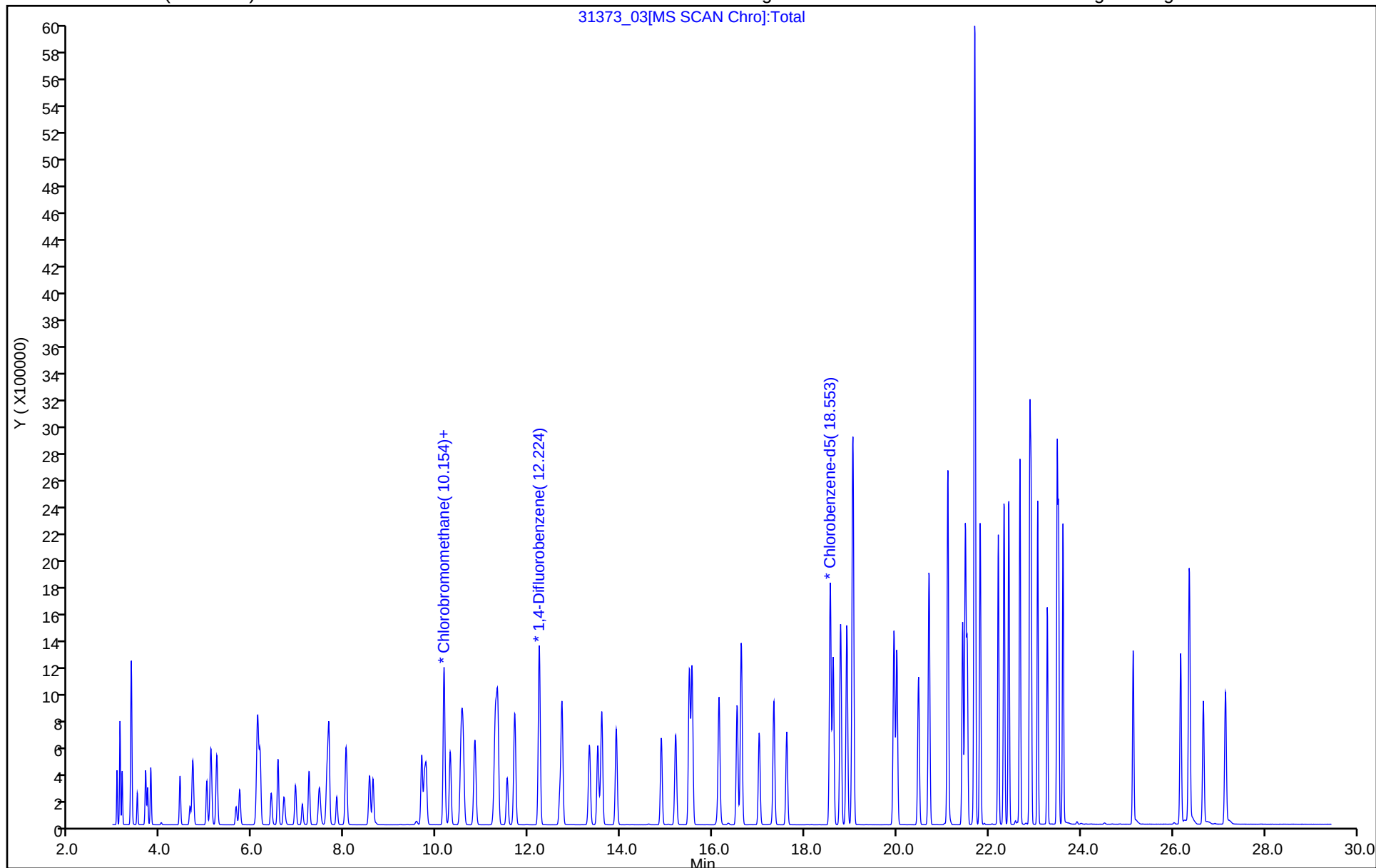
ALS Bottle#: 2

Method: TO15_MasterMethod_X.m

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 BurlingtonJob No.: 200-44316-1

SDG No.: _____

Instrument ID: CHX.iStart Date: 07/03/2018 15:10Analysis Batch Number: 131431End Date: 07/04/2018 06:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-131431/1		07/03/2018 15:10	1	31226_01.D	RTX-624 0.32 (mm)
VIBLK 200-131431/2		07/03/2018 15:54	1		RTX-624 0.32 (mm)
VIBLK 200-131431/3		07/03/2018 16:45	1		RTX-624 0.32 (mm)
IC 200-131431/4		07/03/2018 17:35	1	31226_04.D	RTX-624 0.32 (mm)
IC 200-131431/5		07/03/2018 18:25	1	31226_05.D	RTX-624 0.32 (mm)
ZZZZZ		07/03/2018 19:16	1		RTX-624 0.32 (mm)
IC 200-131431/7		07/03/2018 20:06	1	31226_07.D	RTX-624 0.32 (mm)
ZZZZZ		07/03/2018 20:56	1		RTX-624 0.32 (mm)
IC 200-131431/9		07/03/2018 21:47	1	31226_09.D	RTX-624 0.32 (mm)
ICIS 200-131431/10		07/03/2018 22:37	1	31226_10.D	RTX-624 0.32 (mm)
IC 200-131431/11		07/03/2018 23:27	1	31226_11.D	RTX-624 0.32 (mm)
IC 200-131431/12		07/04/2018 00:18	1	31226_12.D	RTX-624 0.32 (mm)
IC 200-131431/13		07/04/2018 01:08	1	31226_13.D	RTX-624 0.32 (mm)
VIBLK 200-131431/14		07/04/2018 01:58	1		RTX-624 0.32 (mm)
VIBLK 200-131431/15		07/04/2018 02:49	1		RTX-624 0.32 (mm)
VIBLK 200-131431/16		07/04/2018 03:39	1		RTX-624 0.32 (mm)
ICV 200-131431/17		07/04/2018 04:30	1	31226_17.D	RTX-624 0.32 (mm)
ZZZZZ		07/04/2018 05:20	1		RTX-624 0.32 (mm)
ZZZZZ		07/04/2018 06:10	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-44316-1

SDG No.: _____

Instrument ID: CHX.iStart Date: 07/16/2018 09:42Analysis Batch Number: 131805End Date: 07/17/2018 09:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-131805/1		07/16/2018 09:42	1	31373_01.D	RTX-624 0.32 (mm)
CCVIS 200-131805/2		07/16/2018 10:36	1	31373_02.D	RTX-624 0.32 (mm)
LCS 200-131805/3		07/16/2018 11:27	1	31373_03.D	RTX-624 0.32 (mm)
MB 200-131805/4		07/16/2018 12:17	1	31373_04.D	RTX-624 0.32 (mm)
200-44316-1		07/16/2018 13:24	10	31373_05.D	RTX-624 0.32 (mm)
200-44316-2		07/16/2018 14:14	10	31373_06.D	RTX-624 0.32 (mm)
ZZZZZ		07/16/2018 15:33	1		RTX-624 0.32 (mm)
ZZZZZ		07/16/2018 16:24	1		RTX-624 0.32 (mm)
ZZZZZ		07/16/2018 17:15	10		RTX-624 0.32 (mm)
ZZZZZ		07/16/2018 18:05	10		RTX-624 0.32 (mm)
ZZZZZ		07/16/2018 18:57	10		RTX-624 0.32 (mm)
ZZZZZ		07/16/2018 19:47	30.5		RTX-624 0.32 (mm)
ZZZZZ		07/16/2018 20:37	10		RTX-624 0.32 (mm)
ZZZZZ		07/16/2018 21:28	10		RTX-624 0.32 (mm)
ZZZZZ		07/16/2018 22:18	80.1		RTX-624 0.32 (mm)
ZZZZZ		07/16/2018 23:08	395		RTX-624 0.32 (mm)
ZZZZZ		07/16/2018 23:58	1		RTX-624 0.32 (mm)
ZZZZZ		07/17/2018 00:48	1		RTX-624 0.32 (mm)
ZZZZZ		07/17/2018 01:39	344		RTX-624 0.32 (mm)
ZZZZZ		07/17/2018 02:30	15.1		RTX-624 0.32 (mm)
ZZZZZ		07/17/2018 03:20	18		RTX-624 0.32 (mm)
ZZZZZ		07/17/2018 04:11	79.6		RTX-624 0.32 (mm)
ZZZZZ		07/17/2018 05:01	207		RTX-624 0.32 (mm)
ZZZZZ		07/17/2018 05:51	2		RTX-624 0.32 (mm)
ZZZZZ		07/17/2018 09:17	159		RTX-624 0.32 (mm)

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-44316-1

SDG No.: _____

Batch Number: 131431 Batch Start Date: 07/03/18 15:10 Batch Analyst: Daigle, Paul ABatch Method: TO-15 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialPressure	FinalPressure	InitialAmount	FinalAmount	ATTO15CAL1w 00195	ATTO15CAL2w 00267
BFB 200-131431/1		TO-15		1	1	200 mL	200 mL		
IC 200-131431/4		TO-15		1	1	200 mL	200 mL	35 mL	
IC 200-131431/5		TO-15		1	1	200 mL	200 mL	200 mL	
IC 200-131431/7		TO-15		1	1	200 mL	200 mL		200 mL
IC 200-131431/9		TO-15		1	1	200 mL	200 mL		
ICIS 200-131431/10		TO-15		1	1	200 mL	200 mL		
IC 200-131431/11		TO-15		1	1	200 mL	200 mL		
IC 200-131431/12		TO-15		1	1	200 mL	200 mL		
IC 200-131431/13		TO-15		1	1	200 mL	200 mL		
ICV 200-131431/17		TO-15		1	1	200 mL	200 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15CAL3w 00202	ATTO15CAL4w 00697	ATTO15CAL5w 00075	ATTO15CAL6w 00155	ATTO15CAL7w 00078	ATTO15LCSW 00767
BFB 200-131431/1		TO-15							
IC 200-131431/4		TO-15							
IC 200-131431/5		TO-15							
IC 200-131431/7		TO-15							
IC 200-131431/9		TO-15		200 mL					
ICIS 200-131431/10		TO-15			200 mL				
IC 200-131431/11		TO-15				200 mL			
IC 200-131431/12		TO-15					200 mL		
IC 200-131431/13		TO-15						200 mL	
ICV 200-131431/17		TO-15							200 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15XISs 00002					

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.

TO-15

Page 1 of 2

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-44316-1

SDG No.: _____

Batch Number: 131431 Batch Start Date: 07/03/18 15:10 Batch Analyst: Daigle, Paul ABatch Method: TO-15 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATT015XISS 00002					
BFB 200-131431/1		TO-15		20 mL					
IC 200-131431/4		TO-15		20 mL					
IC 200-131431/5		TO-15		20 mL					
IC 200-131431/7		TO-15		20 mL					
IC 200-131431/9		TO-15		20 mL					
ICIS 200-131431/10		TO-15		20 mL					
IC 200-131431/11		TO-15		20 mL					
IC 200-131431/12		TO-15		20 mL					
IC 200-131431/13		TO-15		20 mL					
ICV 200-131431/17		TO-15		20 mL					

Batch Notes	

Basis	Basis Description

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

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-44316-1

SDG No.: _____

Batch Number: 131805 Batch Start Date: 07/16/18 09:42 Batch Analyst: Bunma, Arthit 1Batch Method: TO-15 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialPressure	FinalPressure	InitialAmount	FinalAmount	ATTO15CAL4w 00697	ATTO15LCSW 00767
BFB 200-131805/1		TO-15		1	1	200 mL	200 mL		
CCVIS 200-131805/2		TO-15		1	1	200 mL	200 mL	200 mL	
LCS 200-131805/3		TO-15		1	1	200 mL	200 mL		200 mL
MB 200-131805/4		TO-15		1	1	200 mL	200 mL		
200-44316-A-1	AS-3Q18	TO-15	T	1	1	20 mL	200 mL		
200-44316-A-2	LRP-3Q18	TO-15	T	1	1	20 mL	200 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15XISS 00002					
BFB 200-131805/1		TO-15		20 mL					
CCVIS 200-131805/2		TO-15		20 mL					
LCS 200-131805/3		TO-15		20 mL					
MB 200-131805/4		TO-15		20 mL					
200-44316-A-1	AS-3Q18	TO-15	T	20 mL					
200-44316-A-2	LRP-3Q18	TO-15	T	20 mL					

Batch Notes	

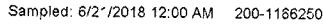
Basis	Basis Description
T	Total/NA

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.

[illegible]

⁴ Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

Canister Cleaning & Pre-Shipment Leak Test



A

TestAmerica Burlington

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

Lab Name: TestAmerica Burlington Job No.: 200-43966-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 31099_04.D
 Lab ID: LCS 200-131083/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.32	83	58-129	
Dichlorodifluoromethane	10.0	9.45	94	68-128	
Freon 22	10.0	8.90	89	64-128	
1,2-Dichlorotetrafluoroethane	10.0	9.11	91	78-138	
Chloromethane	10.0	8.34	83	57-126	
n-Butane	10.0	8.51	85	56-130	
Vinyl chloride	10.0	9.34	93	62-125	
1,3-Butadiene	10.0	9.58	96	59-125	
Bromomethane	10.0	9.27	93	68-128	
Chloroethane	10.0	8.80	88	65-125	
Bromoethene (Vinyl Bromide)	10.0	9.27	93	67-127	
Trichlorofluoromethane	10.0	9.35	93	67-127	
Ethanol	15.0	13.1	87	28-168	
Freon TF	10.0	9.15	92	68-128	
1,1-Dichloroethene	10.0	9.97	100	67-127	
Acetone	10.0	8.60	86	64-136	
Isopropyl alcohol	10.0	8.60	86	55-124	
Carbon disulfide	10.0	8.97	90	81-141	
3-Chloropropene	10.0	8.23	82	53-133	
Methylene Chloride	10.0	8.06	81	62-122	
tert-Butyl alcohol	10.0	9.18	92	64-124	
Methyl tert-butyl ether	10.0	8.88	89	67-127	
trans-1,2-Dichloroethene	10.0	8.58	86	72-132	
n-Hexane	10.0	8.17	82	71-131	
1,1-Dichloroethane	10.0	8.82	88	66-126	
Vinyl acetate	10.0	8.36	84	62-130	
Ethyl acetate	10.0	9.44	94	75-135	
Methyl Ethyl Ketone	10.0	8.76	88	62-122	
cis-1,2-Dichloroethene	10.0	9.48	95	67-127	
Chloroform	10.0	9.14	91	69-129	
Tetrahydrofuran	10.0	8.44	84	61-136	
1,1,1-Trichloroethane	10.0	9.29	93	70-130	
Cyclohexane	10.0	8.99	90	69-129	
Carbon tetrachloride	10.0	10.7	107	62-143	
2,2,4-Trimethylpentane	10.0	8.76	88	67-127	
Benzene	10.0	8.91	89	67-127	
1,2-Dichloroethane	10.0	8.94	89	67-132	
n-Heptane	10.0	8.44	84	62-130	
Trichloroethene	10.0	9.35	93	68-128	
Methyl methacrylate	10.0	9.29	93	70-130	
1,2-Dichloropropane	10.0	9.14	91	67-127	
1,4-Dioxane	10.0	9.80	98	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.: 200-43966-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 31099_04.D
 Lab ID: LCS 200-131083/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.44	94	69-129	
cis-1,3-Dichloropropene	10.0	9.27	93	70-130	
methyl isobutyl ketone	10.0	8.93	89	62-130	
Toluene	10.0	9.03	90	67-127	
trans-1,3-Dichloropropene	10.0	9.06	91	69-129	
1,1,2-Trichloroethane	10.0	9.21	92	69-129	
Tetrachloroethene	10.0	9.73	97	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.90	89	61-127	
Dibromochloromethane	10.0	9.68	97	66-130	
1,2-Dibromoethane	10.0	9.42	94	70-130	
Chlorobenzene	10.0	9.42	94	68-128	
Ethylbenzene	10.0	9.40	94	68-128	
m,p-Xylene	20.0	18.9	95	68-128	
Xylene, o-	10.0	9.41	94	67-127	
Styrene	10.0	9.59	96	68-128	
Bromoform	10.0	9.96	100	34-170	
Cumene	10.0	9.59	96	67-127	
1,1,2,2-Tetrachloroethane	10.0	9.49	95	69-129	
n-Propylbenzene	10.0	9.69	97	67-127	
4-Ethyltoluene	10.0	9.76	98	69-129	
1,3,5-Trimethylbenzene	10.0	9.88	99	65-125	
2-Chlorotoluene	10.0	9.66	97	67-127	
tert-Butylbenzene	10.0	9.82	98	63-125	
1,2,4-Trimethylbenzene	10.0	9.95	99	65-125	
sec-Butylbenzene	10.0	9.97	100	66-126	
4-Isopropyltoluene	10.0	10.3	103	67-129	
1,3-Dichlorobenzene	10.0	10.2	102	67-127	
1,4-Dichlorobenzene	10.0	10.1	101	66-126	
Benzyl chloride	10.0	9.55	95	54-135	
n-Butylbenzene	10.0	10.2	102	67-127	
1,2-Dichlorobenzene	10.0	10.2	102	67-127	
1,2,4-Trichlorobenzene	10.0	9.97	100	59-126	
Hexachlorobutadiene	10.0	10.3	103	62-130	
Naphthalene	10.0	10.1	101	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.: 200-43966-1
SDG No.: _____
Lab File ID: 31099_06.D Lab Sample ID: MB 200-131083/6
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHX.i Date Analyzed: 06/25/2018 17:50
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 200-131083/4	31099_04.D	06/25/2018 16:09
3253	200-43966-5	31099_26.D	06/26/2018 10:42

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

Lab Name: TestAmerica Burlington Job No.: 200-43966-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-131083/6
 Matrix: Air Lab File ID: 31099_06.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 06/25/2018 17:50
 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.: 131083 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.: 200-43966-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-131083/6
 Matrix: Air Lab File ID: 31099_06.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 06/25/2018 17:50
 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.: 131083 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.: 200-43966-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-131083/6
Matrix: Air Lab File ID: 31099_06.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 06/25/2018 17:50
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.: 131083 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\CHX.i\20180625-31099.b\31099_06.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 25-Jun-2018 17:50:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0031099-006
 Operator ID: VTP Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180625-31099.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 27-Jun-2018 08:25:25 Calib Date: 08-Jun-2018 10:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180607-30817.b\30817_20.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK042

First Level Reviewer: desjardinsb

Date: 27-Jun-2018 08:25:25

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		3.044					ND	
2 Dichlorodifluoromethane	85		3.108					ND	
3 Chlorodifluoromethane	51		3.156					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.354					ND	
5 Chloromethane	50		3.482					ND	
6 Butane	43		3.664					ND	
7 Vinyl chloride	62		3.707					ND	
8 Butadiene	54		3.777					ND	
10 Bromomethane	94		4.413					ND	
11 Chloroethane	64		4.633					ND	
12 2-Methylbutane	43		4.692					ND	
13 Vinyl bromide	106		4.996					ND	
14 Trichlorofluoromethane	101		5.082					ND	
16 Pentane	43		5.210					ND	
17 Ethanol	45	5.681	5.638	0.043	49	1079		0.1823	
18 Ethyl ether	59		5.708					ND	
19 Acrolein	56		6.093					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		6.109					ND	
21 1,1-Dichloroethene	96		6.157					ND	
22 Acetone	43		6.398					ND	
23 Carbon disulfide	76		6.548					ND	
24 Isopropyl alcohol	45		6.676					ND	
25 3-Chloro-1-propene	41		6.928					ND	
26 Acetonitrile	41		7.077					ND	
27 Methylene Chloride	49		7.222					ND	
28 2-Methyl-2-propanol	59		7.441					ND	
29 Methyl tert-butyl ether	73		7.618					ND	
31 trans-1,2-Dichloroethene	61		7.655					ND	
32 Acrylonitrile	53		7.821					ND	
33 Hexane	57		8.024					ND	
34 1,1-Dichloroethane	63		8.538					ND	
35 Vinyl acetate	43		8.613					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
S 30 1,2-Dichloroethene, Total	61		9.665					ND	
37 cis-1,2-Dichloroethene	96		9.672					ND	
38 2-Butanone (MEK)	72		9.726					ND	
39 Ethyl acetate	88		9.768					ND	
* 40 Chlorobromomethane	128	10.154	10.154	0.000	76	222172	10.0	10.0	
41 Tetrahydrofuran	42		10.164					ND	
42 Chloroform	83		10.293					ND	
43 Cyclohexane	84		10.533					ND	
44 1,1,1-Trichloroethane	97		10.571					ND	
45 Carbon tetrachloride	117		10.822					ND	
46 Isooctane	57		11.277					ND	
47 Benzene	78		11.325					ND	
48 1,2-Dichloroethane	62		11.534					ND	
49 n-Heptane	43		11.694					ND	
* 50 1,4-Difluorobenzene	114	12.224	12.229	-0.005	92	1174255	10.0	10.0	
52 n-Butanol	56		12.679					ND	
53 Trichloroethene	95		12.721					ND	
A 51 GRO	1	13.190	(4.682-21.698)		0	3079552		0	
54 1,2-Dichloropropane	63		13.321					ND	
55 Methyl methacrylate	69		13.502					ND	
56 1,4-Dioxane	88		13.567					ND	
57 Dibromomethane	174		13.588					ND	
58 Dichlorobromomethane	83		13.904					ND	
60 cis-1,3-Dichloropropene	75		14.883					ND	
A 59 TVOC as Toluene	92	15.097	(3.034-27.160)		0	3253417		0	
61 4-Methyl-2-pentanone (MIBK)	43		15.193					ND	
65 Toluene	92		15.493					ND	
64 n-Octane	43		15.546					ND	
66 trans-1,3-Dichloropropene	75		16.135					ND	
67 1,1,2-Trichloroethane	83		16.525					ND	
68 Tetrachloroethene	166		16.621					ND	
69 2-Hexanone	43		17.012					ND	
71 Chlorodibromomethane	129		17.328					ND	
72 Ethylene Dibromide	107		17.611					ND	
* 74 Chlorobenzene-d5	117	18.553	18.558	-0.005	83	1022049	10.0	10.0	
75 Chlorobenzene	112		18.617					ND	
76 Ethylbenzene	91		18.783					ND	U
77 n-Nonane	57		18.916					ND	
78 m-Xylene & p-Xylene	106		19.050					ND	
S 73 Xylenes, Total	106		19.600					ND	
79 o-Xylene	106		19.944					ND	
80 Styrene	104		20.002					ND	
81 Bromoform	173		20.473					ND	
82 Isopropylbenzene	105		20.703					ND	
84 1,1,2,2-Tetrachloroethane	83		21.436					ND	
85 N-Propylbenzene	91		21.495					ND	
86 1,2,3-Trichloropropane	75		21.532					ND	
87 n-Decane	57		21.688					ND	
88 4-Ethyltoluene	105		21.698					ND	
89 2-Chlorotoluene	91		21.704					ND	
90 1,3,5-Trimethylbenzene	105		21.816					ND	
91 Alpha Methyl Styrene	118		22.212					ND	

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180625-31099.b\31099_06.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
92 tert-Butylbenzene	119		22.335					ND	
93 1,2,4-Trimethylbenzene	105		22.436					ND	
94 sec-Butylbenzene	105		22.683					ND	
95 4-Isopropyltoluene	119		22.897					ND	
96 1,3-Dichlorobenzene	146		22.923					ND	
97 1,4-Dichlorobenzene	146		23.068					ND	
98 Benzyl chloride	91		23.276					ND	
100 n-Butylbenzene	91		23.490					ND	
99 Undecane	57		23.517					ND	
101 1,2-Dichlorobenzene	146		23.619					ND	
102 Dodecane	57		25.143					ND	
103 1,2,4-Trichlorobenzene	180		26.176					ND	
104 Hexachlorobutadiene	225		26.363					ND	
105 Naphthalene	128		26.668					ND	
106 1,2,3-Trichlorobenzene	180		27.150					ND	
T 15 Methyl Acetate TIC	43		0.000					ND	
T 36 Methyl cyclohexane TIC	55		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	
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	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180625-31099.b\31099_06.D

Injection Date: 25-Jun-2018 17:50:30

Instrument ID: CHX.i

Operator ID: VTP

Lims ID: mb

Worklist Smp#: 6

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

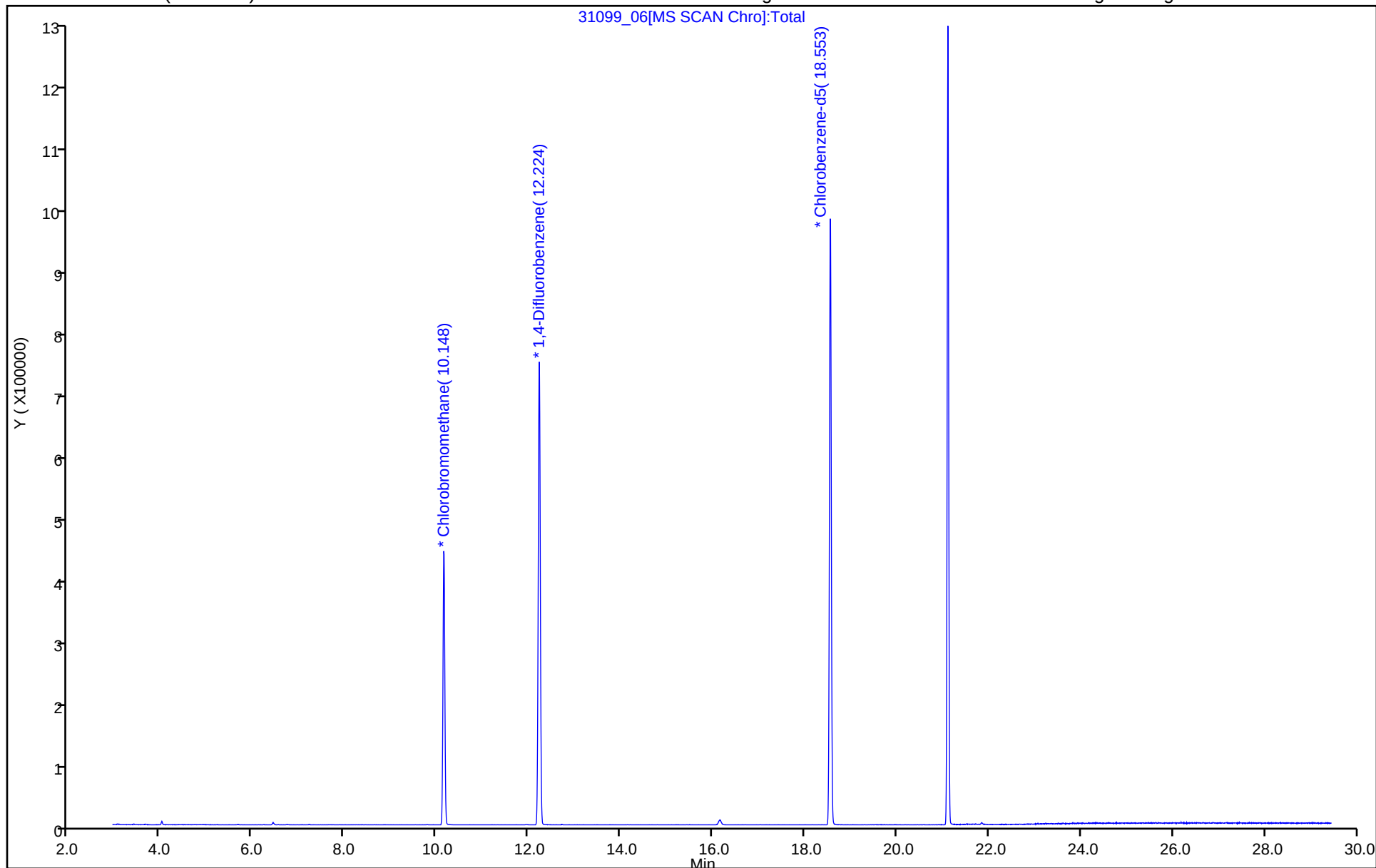
ALS Bottle#: 5

Method: TO15_MasterMethod_X.m

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\CHX.i\20180625-31099.b\31099_06.D

Injection Date: 25-Jun-2018 17:50:30

Instrument ID: CHX.i

Lims ID: mb

Client ID:

Operator ID: VTP

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

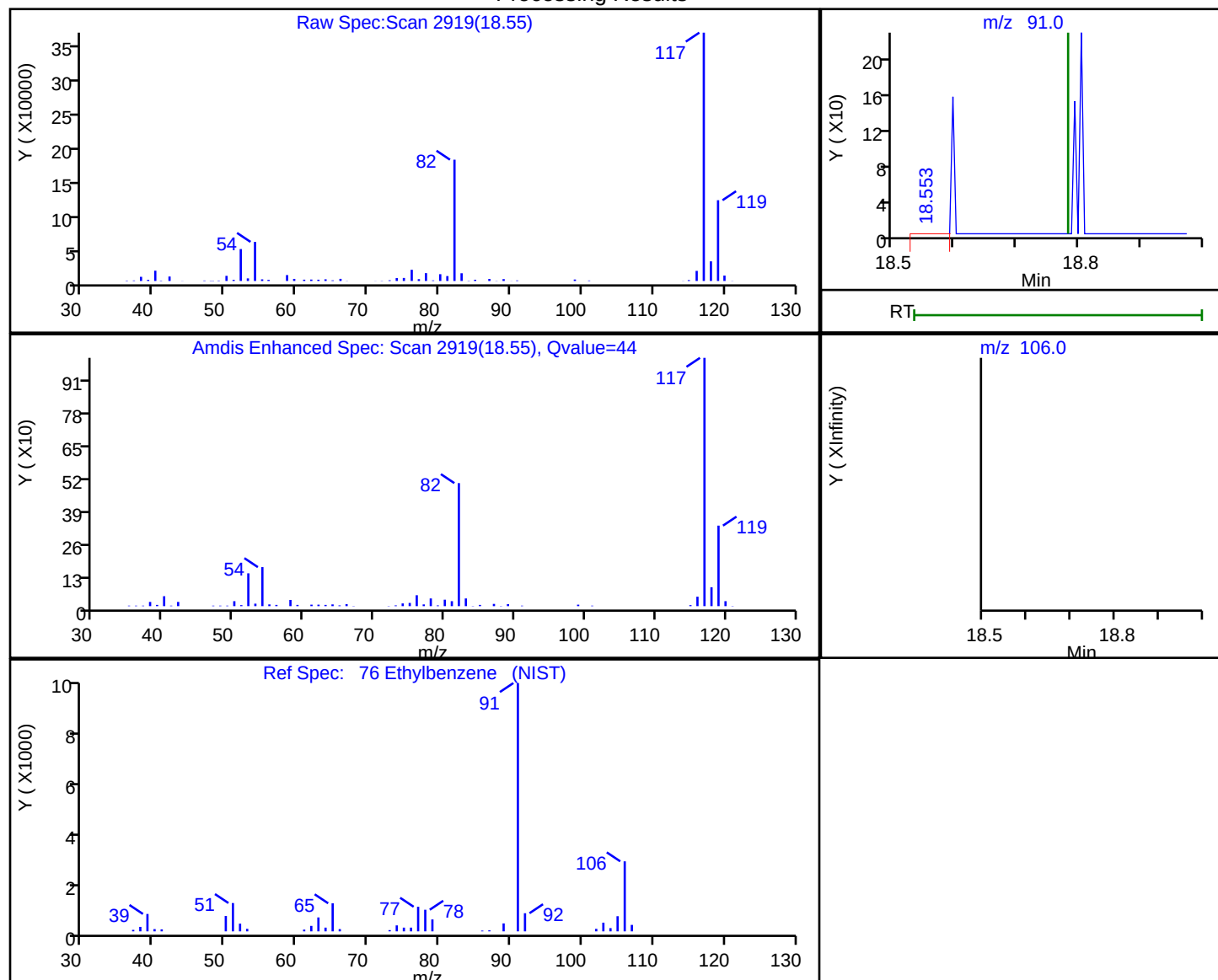
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
18.55	91.00	1785	0.015158
18.78	106.00	0	

Reviewer: desjardinsb, 27-Jun-2018 08:25:12

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-43966-1
 SDG No.: _____
 Lab File ID: 30817_01.D BFB Injection Date: 06/07/2018
 Instrument ID: CHX.i BFB Injection Time: 14:20
 Analysis Batch No.: 130368

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.0
75	30.0 - 66.0% of mass 95	43.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	1.0 (0.9) 1
174	50.0 - 120.0% of mass 95	104.2
175	4.0 - 9.0 % of mass 174	7.6 (7.3) 1
176	93.0 - 101.0% of mass 174	100.9 (96.8) 1
177	5.0 - 9.0% of mass 176	6.6 (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 200-130368/3	30817_03.D	06/07/2018	16:00
	IC 200-130368/5	30817_05.D	06/07/2018	17:41
	IC 200-130368/7	30817_07.D	06/07/2018	19:23
	ICIS 200-130368/8	30817_08.D	06/07/2018	20:13
	IC 200-130368/9	30817_09.D	06/07/2018	21:04
	IC 200-130368/10	30817_10.D	06/07/2018	21:54
	IC 200-130368/11	30817_11.D	06/07/2018	22:44
	IC 200-130368/20	30817_20.D	06/08/2018	10:02
	ICV 200-130368/21	30817_21.D	06/08/2018	10:58

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-43966-1
 SDG No.: _____
 Lab File ID: 31099_01.D BFB Injection Date: 06/25/2018
 Instrument ID: CHX.i BFB Injection Time: 10:52
 Analysis Batch No.: 131083

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.4
75	30.0 - 66.0% of mass 95	46.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	1.1 (1.0) 1
174	50.0 - 120.0% of mass 95	104.0
175	4.0 - 9.0 % of mass 174	7.8 (7.5) 1
176	93.0 - 101.0% of mass 174	101.4 (97.5) 1
177	5.0 - 9.0% of mass 176	6.6 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-131083/2	31099_02.D	06/25/2018	11:43
	LCS 200-131083/4	31099_04.D	06/25/2018	16:09
	MB 200-131083/6	31099_06.D	06/25/2018	17:50
3253	200-43966-5	31099_26.D	06/26/2018	10:42

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

Lab Name: TestAmerica Burlington Job No.: 200-43966-1
 SDG No.: _____
 Sample No.: ICIS 200-130368/8 Date Analyzed: 06/07/2018 20:13
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 30817_08.D Heated Purge: (Y/N) N
 Calibration ID: 39571

	BCM		DFBZ		CBNZd5	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	149543	10.15	795174	12.23	766665	18.56
UPPER LIMIT	209360	10.48	1113244	12.56	1073331	18.89
LOWER LIMIT	89726	9.82	477104	11.90	459999	18.23
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-130368/21		164167	10.15	874996	12.23	827995 18.55

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.: 200-43966-1
 SDG No.: _____
 Sample No.: CCVIS 200-131083/2 Date Analyzed: 06/25/2018 11:43
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 31099_02.D Heated Purge: (Y/N) N
 Calibration ID: 39571

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		186846	10.15	999964	12.23	974303	18.56
UPPER LIMIT		261584	10.48	1399950	12.56	1364024	18.89
LOWER LIMIT		112108	9.82	599978	11.90	584582	18.23
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-131083/4		209238	10.15	1108015	12.23	1069594	18.56
MB 200-131083/6		222172	10.15	1174255	12.22	1022049	18.55
200-43966-5		3253	143951	10.16	775234	12.23	718091

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.: 200-43966-1
 SDG No.: _____
 Client Sample ID: 3253 Lab Sample ID: 200-43966-5
 Matrix: Air Lab File ID: 31099_26.D
 Analysis Method: TO-15 Date Collected: 06/21/2018 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 06/26/2018 10:42
 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.: 131083 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>200-43966-1</u>
SDG No.: _____	
Client Sample ID: <u>3253</u>	Lab Sample ID: <u>200-43966-5</u>
Matrix: <u>Air</u>	Lab File ID: <u>31099_26.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>06/21/2018 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>06/26/2018 10:42</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>131083</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.: 200-43966-1
 SDG No.: _____
 Client Sample ID: 3253 Lab Sample ID: 200-43966-5
 Matrix: Air Lab File ID: 31099_26.D
 Analysis Method: TO-15 Date Collected: 06/21/2018 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 06/26/2018 10:42
 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.: 131083 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\CHX.i\20180625-31099.b\31099_26.D
 Lims ID: 200-43966-A-5
 Client ID: 3253
 Sample Type: Client
 Inject. Date: 26-Jun-2018 10:42:30 ALS Bottle#: 12 Worklist Smp#: 26
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0031099-026
 Misc. Info.: MDL02
 Operator ID: VTP Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20180625-31099.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 27-Jun-2018 08:26:49 Calib Date: 08-Jun-2018 10:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180607-30817.b\30817_20.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK042

First Level Reviewer: desjardinsb

Date: 27-Jun-2018 08:26:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.044				ND	
2 Dichlorodifluoromethane	85		3.108				ND	
3 Chlorodifluoromethane	51		3.156				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.354				ND	
5 Chloromethane	50		3.482				ND	
6 Butane	43		3.664				ND	
7 Vinyl chloride	62		3.707				ND	
8 Butadiene	54		3.777				ND	
10 Bromomethane	94		4.413				ND	
11 Chloroethane	64		4.633				ND	
13 Vinyl bromide	106		4.996				ND	
14 Trichlorofluoromethane	101		5.082				ND	
17 Ethanol	45	5.676	5.638	0.038	15	328	0.0855	
20 1,1,2-Trichloro-1,2,2-trif	101		6.109				ND	
21 1,1-Dichloroethene	96		6.157				ND	
22 Acetone	43		6.398				ND	
23 Carbon disulfide	76		6.548				ND	
24 Isopropyl alcohol	45		6.676				ND	
25 3-Chloro-1-propene	41		6.928				ND	
27 Methylene Chloride	49		7.222				ND	
28 2-Methyl-2-propanol	59		7.441				ND	
29 Methyl tert-butyl ether	73		7.618				ND	
31 trans-1,2-Dichloroethene	61		7.655				ND	
33 Hexane	57		8.024				ND	
34 1,1-Dichloroethane	63		8.538				ND	
35 Vinyl acetate	43		8.613				ND	
S 30 1,2-Dichloroethene, Total	61		9.665				ND	
37 cis-1,2-Dichloroethene	96		9.672				ND	
38 2-Butanone (MEK)	72		9.726				ND	
39 Ethyl acetate	88		9.768				ND	
* 40 Chlorobromomethane	128	10.159	10.154	0.005	80	143951	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Tetrahydrofuran	42		10.164				ND	
42 Chloroform	83		10.293				ND	
43 Cyclohexane	84		10.533				ND	
44 1,1,1-Trichloroethane	97		10.571				ND	
45 Carbon tetrachloride	117		10.822				ND	
46 Isooctane	57		11.277				ND	
47 Benzene	78		11.325				ND	
48 1,2-Dichloroethane	62		11.534				ND	
49 n-Heptane	43		11.694				ND	
* 50 1,4-Difluorobenzene	114	12.229	12.229	0.000	93	775234	10.0	
53 Trichloroethene	95		12.721				ND	
54 1,2-Dichloropropane	63		13.321				ND	
55 Methyl methacrylate	69		13.502				ND	
56 1,4-Dioxane	88		13.567				ND	
57 Dibromomethane	174		13.588				ND	
58 Dichlorobromomethane	83		13.904				ND	
60 cis-1,3-Dichloropropene	75		14.883				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.193				ND	
65 Toluene	92		15.493				ND	
66 trans-1,3-Dichloropropene	75		16.135				ND	
67 1,1,2-Trichloroethane	83		16.525				ND	
68 Tetrachloroethene	166		16.621				ND	
69 2-Hexanone	43		17.012				ND	
71 Chlorodibromomethane	129		17.328				ND	
72 Ethylene Dibromide	107		17.611				ND	
* 74 Chlorobenzene-d5	117	18.558	18.558	0.000	84	718091	10.0	
75 Chlorobenzene	112		18.617				ND	
76 Ethylbenzene	91		18.783				ND	U
78 m-Xylene & p-Xylene	106		19.050				ND	
S 73 Xylenes, Total	106		19.600				ND	
79 o-Xylene	106		19.944				ND	
80 Styrene	104		20.002				ND	
81 Bromoform	173		20.473				ND	
82 Isopropylbenzene	105		20.703				ND	
84 1,1,2,2-Tetrachloroethane	83		21.436				ND	
85 N-Propylbenzene	91		21.495				ND	
88 4-Ethyltoluene	105		21.698				ND	
89 2-Chlorotoluene	91		21.704				ND	
90 1,3,5-Trimethylbenzene	105		21.816				ND	
92 tert-Butylbenzene	119		22.335				ND	
93 1,2,4-Trimethylbenzene	105		22.436				ND	
94 sec-Butylbenzene	105		22.683				ND	
95 4-Isopropyltoluene	119		22.897				ND	
96 1,3-Dichlorobenzene	146		22.923				ND	
97 1,4-Dichlorobenzene	146		23.068				ND	
98 Benzyl chloride	91		23.276				ND	
100 n-Butylbenzene	91		23.490				ND	
101 1,2-Dichlorobenzene	146		23.619				ND	
103 1,2,4-Trichlorobenzene	180		26.176				ND	
104 Hexachlorobutadiene	225		26.363				ND	
105 Naphthalene	128		26.668				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180625-31099.b\31099_26.D

Injection Date: 26-Jun-2018 10:42:30

Instrument ID: CHX.i

Operator ID: VTP

Lims ID: 200-43966-A-5

Lab Sample ID: 200-43966-5

Worklist Smp#: 26

Client ID: 3253

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

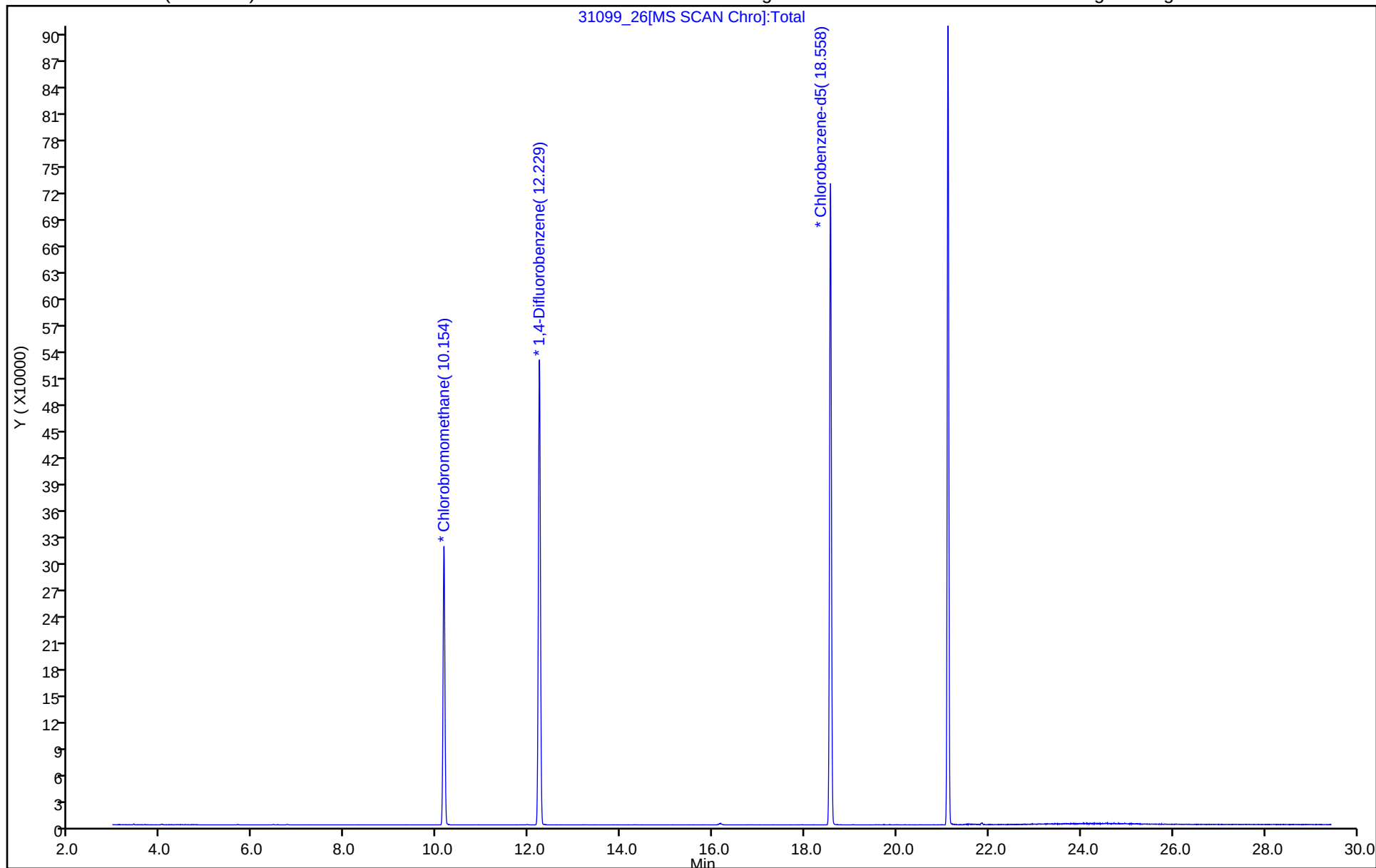
ALS Bottle#: 12

Method: TO15_MasterMethod_X.m

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\CHX.i\20180625-31099.b\31099_26.D

Injection Date: 26-Jun-2018 10:42:30

Instrument ID: CHX.i

Lims ID: 200-43966-A-5

Lab Sample ID: 200-43966-5

Client ID: 3253

Operator ID: VTP

ALS Bottle#: 12 Worklist Smp#: 26

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

Method: TO15_MasterMethod_X.m

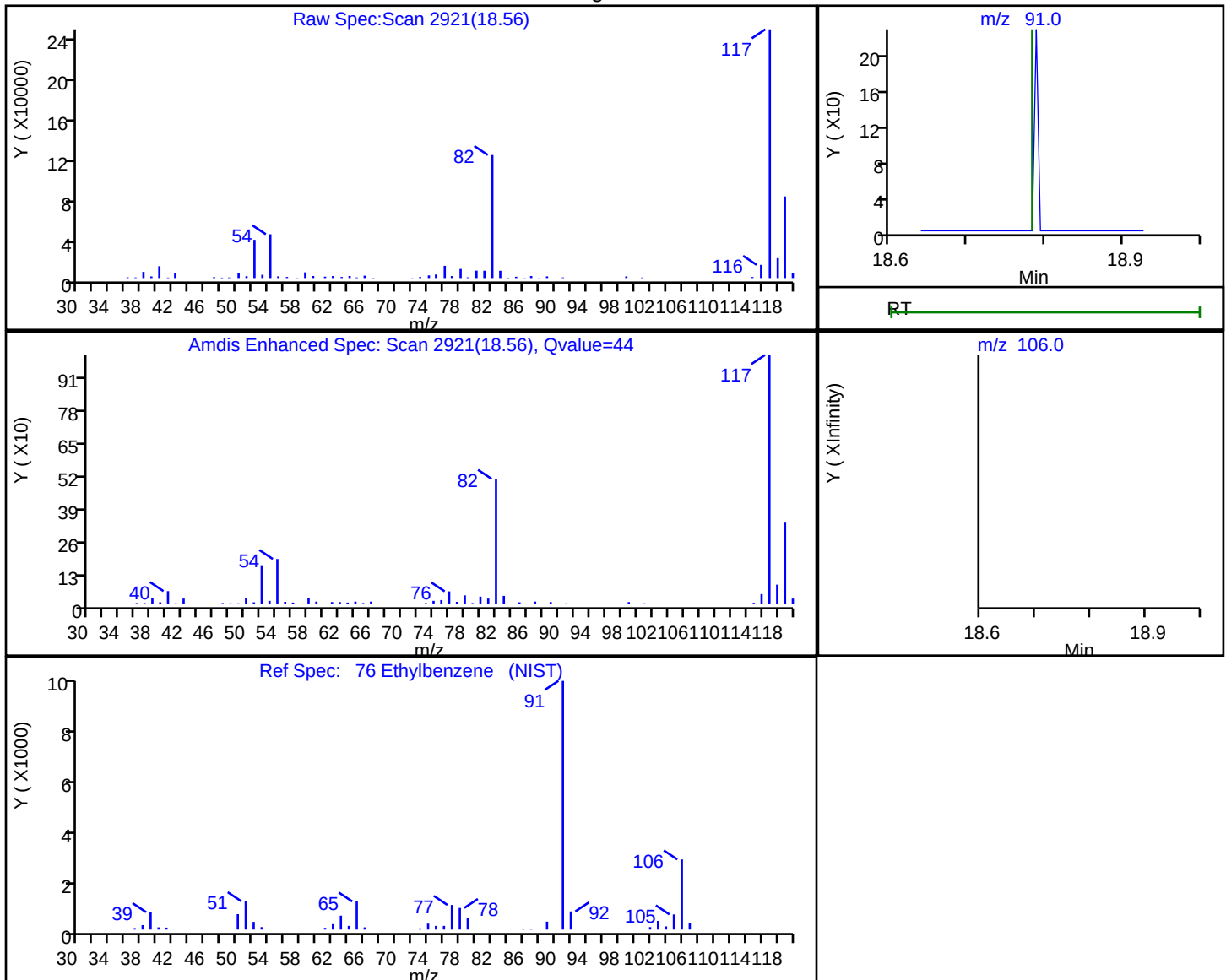
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
18.56	91.00	1115	0.013476
18.78	106.00	0	

Reviewer: desjardinsb, 27-Jun-2018 08:26:39

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: TestAmerica Burlington Job No.: 200-43966-1 Analy Batch No.: 130368

SDG No.: _____

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

Calibration Start Date: 06/07/2018 16:00 Calibration End Date: 06/08/2018 10:02 Calibration ID: 39571

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-130368/3	30817_03.D
Level 2	IC 200-130368/5	30817_05.D
Level 3	IC 200-130368/20	30817_20.D
Level 4	IC 200-130368/7	30817_07.D
Level 5	ICIS 200-130368/8	30817_08.D
Level 6	IC 200-130368/9	30817_09.D
Level 7	IC 200-130368/10	30817_10.D
Level 8	IC 200-130368/11	30817_11.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	++++ 0.5139	++++ 0.4398	++++ 0.3788	0.5838	0.5092	Ave		0.4851				16.1		30.0			
Dichlorodifluoromethane	++++ 2.0719	++++ 1.9173	++++ 2.3778 1.7665	2.2220	1.8635	Ave		2.0365				11.4		30.0			
Freon 22	++++ 1.1085	++++ 0.9804	++++ 1.2122 0.8673	1.2374	1.0942	Ave		1.0833				12.9		30.0			
1,2-Dichlorotetrafluoroethane	++++ 2.0829	++++ 2.6761 1.9448	++++ 2.2217 1.7814	2.1898	1.9938	Ave		2.1272				13.4		30.0			
Chloromethane	++++ 0.6278	++++ 0.5538	++++ 0.7936 0.4923	0.6999	0.6170	Ave		0.6307				16.9		30.0			
n-Butane	++++ 1.0783	++++ 0.9292	++++ 1.1543 0.7968	1.2674	1.1219	Ave		1.0580				16.0		30.0			
Vinyl chloride	0.4341 0.7707	0.9019 0.7053	0.8633 0.6350	0.8346	0.7749	Ave		0.7400				20.3		30.0			
1,3-Butadiene	0.2840 0.5689	0.5658 0.5017	0.5860 0.4568	0.6417	0.5675	Ave		0.5216				21.2		30.0			
Bromomethane	++++ 0.8175	0.8551 0.7775	0.9261 0.7053	0.8265	0.7550	Ave		0.8090				8.9		30.0			
Chloroethane	++++ 0.3764	++++ 0.3511	++++ 0.4097 0.3176	0.3965	0.3515	Ave		0.3671				9.2		30.0			
Isopentane	++++ 0.7650	0.9675 0.6655	0.8171 0.5659	0.8593	0.7434	Ave		0.7691				17.0		30.0			
Bromoethene (Vinyl Bromide)	++++ 0.8411	0.8863 0.8220	0.9626 0.7843	0.8743	0.7689	Ave		0.8485				7.8		30.0			
Trichlorofluoromethane	++++ 2.1995	2.4935 2.0934	2.4153 1.9761	2.3011	2.0567	Ave		2.2194				8.7		30.0			
n-Pentane	++++ 1.1234	++++ 0.9941	++++ 1.1751 0.8755	1.2702	1.0988	Ave		1.0895				12.7		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.: 200-43966-1 Analy Batch No.: 130368
SDG No.: _____
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/07/2018 16:00 Calibration End Date: 06/08/2018 10:02 Calibration ID: 39571

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	++++ 0.2784	++++ 0.2427	0.2526 0.2067	0.3294	0.2885	Ave		0.2664				15.9		30.0			
Ethyl ether	++++ 0.4709	0.5655 0.4440	0.5249 0.4027	0.4979	0.4459	Ave		0.4788				11.5		30.0			
Acrolein	++++ 0.2050	++++ 0.1827	++++ 0.1713	0.2384	0.1967	Ave		0.1988				12.9		30.0			
Freon TF	++++ 1.6016	1.8508 1.5420	1.7655 1.4627	1.6632	1.4713	Ave		1.6224				9.1		30.0			
1,1-Dichloroethene	0.2614 0.7643	0.8104 0.7356	0.8466 0.7065	0.7816	0.7014	Ave		0.7010				26.3		30.0			
Acetone	++++ 1.0478	++++ 1.0068	++++ 0.7979	1.2139	1.0098	Ave		1.0152				14.6		30.0			
Carbon disulfide	++++ 2.0054	++++ 1.9244	2.2900 1.7906	2.1098	1.8624	Ave		1.9971				9.1		30.0			
Isopropyl alcohol	++++ 1.2320	++++ 1.0832	++++ 0.9614	1.4507	1.2224	Ave		1.1900				15.4		30.0			
3-Chloropropene	++++ 0.7473	0.6530 0.6076	0.7260 0.5509	0.8455	0.7154	Ave		0.6922				14.1		30.0			
Acetonitrile	++++ 0.4913	++++ 0.4300	++++ 0.3789	0.5642	0.4925	Ave		0.4714				14.9		30.0			
Methylene Chloride	++++ 0.7509	++++ 0.6731	1.0460 0.5952	0.8577	0.7316	Ave		0.7757				20.4		30.0			
tert-Butyl alcohol	++++ 1.6900	++++ 1.5534	++++ 1.4432	1.8489	1.6296	Ave		1.6330				9.3		30.0			
Methyl tert-butyl ether	++++ 2.2881	2.5489 2.1508	2.4549 1.9960	2.4037	2.1374	Ave		2.2828				8.7		30.0			
trans-1,2-Dichloroethene	++++ 1.0672	1.3069 1.0047	1.1580 0.9126	1.1729	1.0278	Ave		1.0929				11.9		30.0			
Acrylonitrile	++++ 0.4976	++++ 0.4525	0.4804 0.4178	0.5398	0.4796	Ave		0.4779				8.6		30.0			
n-Hexane	++++ 1.0833	1.3371 0.9910	1.2423 0.9064	1.1614	1.0296	Ave		1.1073				13.5		30.0			
1,1-Dichloroethane	1.1475 1.3898	1.6195 1.3032	1.5285 1.1963	1.5205	1.3277	Ave		1.3791				12.1		30.0			
Vinyl acetate	++++ 1.7947	++++ 1.5608	++++ 1.3773	2.0294	1.7642	Ave		1.7053				14.5		30.0			
cis-1,2-Dichloroethene	0.7666 0.9669	1.0603 0.9353	1.0496 0.8890	1.0095	0.8976	Ave		0.9469				10.3		30.0			
Methyl Ethyl Ketone	++++ 0.4319	++++ 0.4174	0.5428 0.3815	0.4601	0.4052	Ave		0.4398				12.9		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.: 200-43966-1 Analy Batch No.: 130368
SDG No.: _____
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/07/2018 16:00 Calibration End Date: 06/08/2018 10:02 Calibration ID: 39571

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	++++ 0.0695	++++ 0.0685	++++ 0.0625	0.0686	0.0614	Ave		0.0661				5.8		30.0			
Tetrahydrofuran	++++ 0.1711	++++ 0.1532	++++ 0.1350	0.1991	0.1722	Ave		0.1661				14.4		30.0			
Chloroform	++++ 1.9155	2.1793 1.7970	2.0585 1.6873	2.0532	1.8089	Ave		1.9285				9.1		30.0			
Cyclohexane	++++ 0.2384	0.2705 0.2331	0.2534 0.2209	0.2477	0.2219	Ave		0.2409				7.4		30.0			
1,1,1-Trichloroethane	++++ 0.3903	0.4493 0.3762	0.4096 0.3540	0.4147	0.3669	Ave		0.3944				8.3		30.0			
Carbon tetrachloride	0.2444 0.4216	0.4336 0.2317	0.4135 0.3840	0.4461	0.3892	Ave		0.3705				22.8		30.0			
2,2,4-Trimethylpentane	++++ 0.8749	0.9754 0.8207	0.9047 0.7485	0.9546	0.8469	Ave		0.8751				9.0		30.0			
Benzene	++++ 0.5741	0.7019 0.5553	0.6195 0.5242	0.6043	0.5401	Ave		0.5885				10.3		30.0			
1,2-Dichloroethane	++++ 0.2374	0.2784 0.2203	0.2489 0.2019	0.2617	0.2298	Ave		0.2398				10.7		30.0			
n-Heptane	++++ 0.3243	0.3644 0.2904	0.3385 0.2575	0.3712	0.3217	Ave		0.3240				12.4		30.0			
n-Butanol	++++ 0.1282	++++ 0.1251	++++ 0.1121	0.1398	0.1250	Ave		0.1260				7.8		30.0			
Trichloroethene	0.2392 0.2754	0.3362 0.2740	0.3049 0.2576	0.2885	0.2579	Ave		0.2792				11.0		30.0			
1,2-Dichloropropane	++++ 0.2289	0.2422 0.2173	0.2413 0.2006	0.2465	0.2167	Ave		0.2276				7.4		30.0			
Methyl methacrylate	++++ 0.2243	++++ 0.2142	0.2074 0.2028	0.2304	0.2135	Ave		0.2154				4.8		30.0			
1,4-Dioxane	++++ 0.1468	++++ 0.1421	++++ 0.1351	0.1633	0.1419	Ave		0.1458				7.3		30.0			
Dibromomethane	++++ 0.3291	0.3731 0.3255	0.3533 0.3213	0.3316	0.3062	Ave		0.3343				6.6		30.0			
Bromodichloromethane	++++ 0.4601	0.4867 0.4264	0.4542 0.4093	0.4875	0.4288	Ave		0.4504				6.7		30.0			
cis-1,3-Dichloropropene	++++ 0.3555	0.3850 0.3407	0.3511 0.3232	0.3755	0.3358	Ave		0.3524				6.2		30.0			
methyl isobutyl ketone	++++ 0.4567	++++ 0.4068	0.4351 0.3627	0.5197	0.4552	Ave		0.4394				12.0		30.0			
Toluene	++++ 0.5145	0.5877 0.5121	0.5686 0.4794	0.5246	0.4731	Ave		0.5229				8.1		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.: 200-43966-1 Analy Batch No.: 130368
SDG No.: _____
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/07/2018 16:00 Calibration End Date: 06/08/2018 10:02 Calibration ID: 39571

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	++++ 0.5023	0.5735 0.4487	0.5135 0.3912	0.5743	0.5040	Ave		0.5011				13.0		30.0			
trans-1,3-Dichloropropene	++++ 0.3623	0.4259 0.3358	0.3622 0.3228	0.3876	0.3406	Ave		0.3625				9.7		30.0			
1,1,2-Trichloroethane	++++ 0.2511	0.2777 0.2424	0.2622 0.2306	0.2568	0.2334	Ave		0.2506				6.7		30.0			
Tetrachloroethene	0.4495 0.5225	0.5558 0.5223	0.5489 0.5046	0.5178	0.4687	Ave		0.5113				7.2		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.4715	++++ 0.4184	0.4429 0.3776	0.5238	0.4610	Ave		0.4492				11.0		30.0			
Dibromochloromethane	++++ 0.5862	0.5438 0.5487	0.5493 0.5512	0.5849	0.4903	Ave		0.5506				5.8		30.0			
1,2-Dibromoethane	++++ 0.4937	0.5127 0.4818	0.5089 0.4639	0.4981	0.4493	Ave		0.4869				4.8		30.0			
Chlorobenzene	++++ 0.7516	0.8037 0.7361	0.7831 0.7088	0.7665	0.6872	Ave		0.7481				5.5		30.0			
Ethylbenzene	++++ 1.1668	1.2278 1.1333	1.1832 1.0819	1.1882	1.0841	Ave		1.1522				4.8		30.0			
n-Nonane	++++ 0.5230	0.5511 0.4904	0.5231 0.4448	0.5585	0.4994	Ave		0.5129				7.6		30.0			
m,p-Xylene	++++ 0.4880	0.5096 0.4716	0.4930 0.4471	0.4924	0.4444	Ave		0.4780				5.2		30.0			
Xylene, o-	++++ 0.4792	0.5017 0.4665	0.4894 0.4467	0.4849	0.4409	Ave		0.4728				4.8		30.0			
Styrene	++++ 0.7594	0.6959 0.7338	0.6527 0.7124	0.7552	0.6935	Ave		0.7147				5.3		30.0			
Bromoform	++++ 0.6677	0.5189 0.5881	0.5145 0.6238	0.6422	0.4599	Ave		0.5736				13.4		30.0			
Cumene	++++ 1.3937	1.4086 1.3479	1.3823 1.2796	1.4153	1.2834	Ave		1.3587				4.2		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.6867	0.7228 0.6479	0.6677 0.6029	0.7087	0.6334	Ave		0.6672				6.4		30.0			
n-Propylbenzene	++++ 1.6594	1.6258 1.5847	1.6010 1.4639	1.6966	1.5417	Ave		1.5961				4.8		30.0			
1,2,3-Trichloropropane	++++ 0.5273	++++ 0.4921	0.5470 0.4505	0.5460	0.4967	Ave		0.5099				7.3		30.0			
n-Decane	++++ 0.6644	++++ 0.5737	0.6564 0.4846	0.7274	0.6541	Ave		0.6268				13.6		30.0			
4-Ethyltoluene	++++ 1.4118	1.4225 1.3342	1.3604 1.1782	1.4325	1.3120	Ave		1.3502				6.6		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
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-43966-1 Analy Batch No.: 130368
SDG No.: _____
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/07/2018 16:00 Calibration End Date: 06/08/2018 10:02 Calibration ID: 39571

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	++++ 1.1340	1.1550 1.0760	1.1154 0.9656	1.1636	1.0582	Ave		1.0954				6.3		30.0			
1,3,5-Trimethylbenzene	++++ 1.1765	1.1641 1.0966	1.0829 1.0097	1.2024	1.0942	Ave		1.1181				6.0		30.0			
Alpha Methyl Styrene	++++ 0.6268	0.5395 0.5701	0.4650 0.5430	0.6198	0.5789	Ave		0.5633				9.8		30.0			
tert-Butylbenzene	++++ 1.1562	1.1484 1.0744	1.1463 0.9901	1.1884	1.0832	Ave		1.1124				6.1		30.0			
1,2,4-Trimethylbenzene	++++ 1.1875	1.1551 1.0772	1.1010 1.0183	1.2272	1.1211	Ave		1.1268				6.2		30.0			
sec-Butylbenzene	++++ 1.7117	1.6683 1.5667	1.6569 1.4713	1.8002	1.6362	Ave		1.6445				6.4		30.0			
4-Isopropyltoluene	++++ 1.4373	1.3678 1.3262	1.3507 1.3055	1.5521	1.4101	Ave		1.3928				6.0		30.0			
1,3-Dichlorobenzene	++++ 0.9140	0.8111 0.8387	0.8787 0.7996	0.9291	0.8551	Ave		0.8609				5.7		30.0			
1,4-Dichlorobenzene	++++ 0.9220	0.8307 0.8299	0.8768 0.8096	0.9328	0.8638	Ave		0.8665				5.5		30.0			
Benzyl chloride	++++ 0.9554	0.6989 0.8160	0.8922 0.8352	0.9930	0.8987	Ave		0.8699				11.2		30.0			
n-Butylbenzene	++++ 1.2144	1.1958 1.1474	1.1470 1.1418	1.3845	1.2420	Ave		1.2104				7.1		30.0			
n-Undecane	++++ 0.6434	++++ 0.5485	++++ 0.5667	0.7337	0.6123	Ave		0.6209				11.8		30.0			
1,2-Dichlorobenzene	++++ 0.8489	0.8153 0.7638	0.8537 0.7564	0.8852	0.8094	Ave		0.8190				5.8		30.0			
n-Dodecane	++++ 0.4402	++++ 0.2580	++++ 0.3443	0.4875	0.4588	Ave		0.3978				23.8		30.0			
1,2,4-Trichlorobenzene	++++ 0.6577	++++ 0.6117	0.5474 0.6463	0.6300	0.5872	Ave		0.6134				6.7		30.0			
Hexachlorobutadiene	++++ 0.6497	0.5956 0.6318	0.6099 0.5891	0.6649	0.5964	Ave		0.6196				4.8		30.0			
Naphthalene	++++ 1.2521	++++ 1.1146	0.9746 1.2748	1.2391	1.1675	Ave		1.1705				9.6		30.0			
1,2,3-Trichlorobenzene	++++ 0.5963	++++ 0.5392	0.4795 0.5256	0.5731	0.5588	Ave		0.5454				7.5		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-43966-1 Analy Batch No.: 130368

SDG No.: _____

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

Calibration Start Date: 06/07/2018 16:00 Calibration End Date: 06/08/2018 10:02 Calibration ID: 39571

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-130368/3	30817_03.D
Level 2	IC 200-130368/5	30817_05.D
Level 3	IC 200-130368/20	30817_20.D
Level 4	IC 200-130368/7	30817_07.D
Level 5	ICIS 200-130368/8	30817_08.D
Level 6	IC 200-130368/9	30817_09.D
Level 7	IC 200-130368/10	30817_10.D
Level 8	IC 200-130368/11	30817_11.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	++++ 129743	++++ 173647	++++ 334502	40682	76130	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 523123	++++ 756938	20330 1559981	154832	278613	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 279868	++++ 387048	10364 765905	86223	163598	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 525886	8074 767806	18995 1573098	152583	298107	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 158518	++++ 218640	6785 434723	48768	92249	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 272250	++++ 366836	9869 703602	88315	167743	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	269 194591	2721 278439	7381 560745	58156	115857	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	176 143636	1707 198054	5010 403421	44716	84852	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 206396	2580 306952	7918 622849	57590	112880	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 95036	++++ 138604	3503 280437	27629	52561	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 193143	2919 262726	6986 499773	59877	111152	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 212371	2674 324527	8230 692611	60923	114959	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 555339	7523 826487	20650 1745091	160341	307501	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 283644	++++ 392453	10047 773102	88507	164284	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 93922	++++ 191635	21620 456375	45930	64740	++++ 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.: 200-43966-1 Analy Batch No.: 130368

SDG No.: _____

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

Calibration Start Date: 06/07/2018 16:00 Calibration End Date: 06/08/2018 10:02 Calibration ID: 39571

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	++++ 118897	1706 175303	4488 355610	34691	66670	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	++++ 51767	++++ 72140	++++ 151298	16611	29411	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	++++ 404360	5584 608786	15095 1291672	115891	219982	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	162 192958	2445 290419	7238 623889	54465	104875	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 264545	++++ 397467	++++ 704597	84582	150974	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 506327	++++ 759767	19579 1581260	147014	278458	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	++++ 311063	++++ 427659	++++ 848971	101088	182766	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	++++ 188679	1970 239879	6207 486508	58915	106969	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 124054	++++ 169780	++++ 334612	39314	73637	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 189598	++++ 265723	8943 525587	59764	109385	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 426699	++++ 613279	++++ 1274497	128835	243646	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 577710	7690 849137	20989 1762615	167487	319566	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	++++ 269459	3943 396666	9901 805909	81730	153668	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 125644	++++ 178630	4107 368975	37612	71702	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 273516	4034 391230	10621 800391	80929	153945	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	711 350887	4886 514494	13068 1056401	105949	198506	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 453127	++++ 616209	++++ 1216306	141411	263779	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	475 244135	3199 369260	8974 785067	70342	134202	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 109038	++++ 164776	4641 336922	32060	60581	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 17553	++++ 27033	++++ 55199	4778	9176	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	++++ 229566	++++ 315009	++++ 616176	74450	136894	++++ 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.: 200-43966-1 Analy Batch No.: 130368

SDG No.: _____

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

Calibration Start Date: 06/07/2018 16:00 Calibration End Date: 06/08/2018 10:02 Calibration ID: 39571

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	+++++ 483635	6575 709445	17600 1489983	143070	270455	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	+++++ 319870	4365 479166	11526 1008385	92618	176452	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 523650	7251 773426	18629 1615740	155047	291711	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	800 565546	6997 476304	18808 1752756	166771	309431	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 1173651	15741 1687095	41152 3416064	356883	673307	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	+++++ 770123	11326 1141565	28176 2392363	225938	429364	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	+++++ 318424	4493 452781	11322 921569	97835	182701	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	+++++ 435018	5881 596943	15397 1175029	138777	255743	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFBZ	Ave	+++++ 171943	+++++ 257092	+++++ 511629	52257	99372	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	783 369511	5425 563329	13869 1175547	107864	205046	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 307106	3908 446724	10975 915664	92149	172319	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 300933	+++++ 440435	9432 925733	86135	169712	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 196943	+++++ 292116	+++++ 616450	61048	112801	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFBZ	Ave	+++++ 441467	6020 669141	16071 1466560	123979	243456	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 617182	7854 876624	20660 1867978	182277	340866	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 476850	6213 700434	15970 1475235	140401	266940	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFBZ	Ave	+++++ 612730	+++++ 836259	19790 1655199	194306	361887	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBNZ d5	Ave	+++++ 652468	8918 987678	23769 2056109	189978	362651	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFBZ	Ave	+++++ 673856	9255 922363	23358 1785592	214703	400682	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	+++++ 486100	6873 690395	16473 1473201	144928	270757	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 318445	4214 467518	10961 988907	92988	178933	+++++ 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.: 200-43966-1 Analy Batch No.: 130368

SDG No.: _____

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

Calibration Start Date: 06/07/2018 16:00 Calibration End Date: 06/08/2018 10:02 Calibration ID: 39571

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	1356 662669	8434 1007331	22943 2163989	187508	359241	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZ d5	Ave	++++ 598020	++++ 807059	18514 1619478	189694	353348	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBNZ d5	Ave	++++ 743492	8251 1058313	22963 2364072	211814	375861	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBNZ d5	Ave	++++ 626108	7780 929341	21274 1989684	180366	344413	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBNZ d5	Ave	++++ 953274	12195 1419803	32733 3039952	277562	526759	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBNZ d5	Ave	++++ 1479858	18630 2185903	49458 4640096	430282	831001	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBNZ d5	Ave	++++ 663266	8362 945774	21867 1907769	202267	382820	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBNZ d5	Ave	++++ 1237694	15466 1819117	41214 3834944	356612	681274	++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBNZ d5	Ave	++++ 607773	7612 899716	20458 1915880	175609	337972	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBNZ d5	Ave	++++ 963066	10559 1415306	27285 3055566	273501	531603	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBNZ d5	Ave	++++ 846769	7873 1134380	21506 2675447	232547	352539	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBNZ d5	Ave	++++ 1767581	21373 2599800	57783 5488164	512516	983730	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	++++ 870964	10967 1249701	27909 2585703	256655	485517	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBNZ d5	Ave	++++ 2104500	24669 3056385	66925 6278420	614406	1181746	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBNZ d5	Ave	++++ 668799	++++ 949091	22867 1931999	197731	380724	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBNZ d5	Ave	++++ 842648	++++ 1106572	27440 2078493	263427	501357	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBNZ d5	Ave	++++ 1790506	21584 2573348	56868 5053006	518760	1005670	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBNZ d5	Ave	++++ 1438157	17526 2075288	46625 4141545	421389	811137	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBNZ d5	Ave	++++ 1492081	17664 2115125	45265 4330612	435425	838743	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBNZ d5	Ave	++++ 794966	8186 1099658	19436 2328981	224436	443766	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBNZ d5	Ave	++++ 1466327	17425 2072144	47916 4246679	430351	830289	++++ 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.: 200-43966-1 Analy Batch No.: 130368

SDG No.: _____

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

Calibration Start Date: 06/07/2018 16:00 Calibration End Date: 06/08/2018 10:02 Calibration ID: 39571

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	++++ 1506026	17527 2077608	46023 4367549	444432	859308	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBNZ d5	Ave	++++ 2170822	25314 3021737	69261 6310172	651935	1254158	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBNZ d5	Ave	++++ 1822838	20755 2557839	56460 5599362	562073	1080833	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBNZ d5	Ave	++++ 1159212	12307 1617683	36732 3429311	336457	655410	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBNZ d5	Ave	++++ 1169355	12604 1600683	36652 3472265	337801	662083	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBNZ d5	Ave	++++ 1211719	10605 1573852	37297 3582057	359595	688848	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBNZ d5	Ave	++++ 1540131	18145 2213042	47947 4897124	501389	952040	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBNZ d5	Ave	++++ 816004	++++ 1057965	++++ 2430379	265718	469374	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBNZ d5	Ave	++++ 1076669	12371 1473219	35686 3244132	320573	620445	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBNZ d5	Ave	++++ 558336	++++ 497636	++++ 1476862	176534	351688	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBNZ d5	Ave	++++ 834143	++++ 1179868	22883 2772084	228140	450063	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBNZ d5	Ave	++++ 823923	9038 1218553	25495 2526432	240776	457143	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBNZ d5	Ave	++++ 1588030	++++ 2149683	40741 5467717	448723	894946	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBNZ d5	Ave	++++ 756228	++++ 1040000	20042 2254319	207549	428342	++++ 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.: 200-43966-1
 SDG No.: _____
 Lab Sample ID: ICV 200-130368/21 Calibration Date: 06/08/2018 10:58
 Instrument ID: CHX.i Calib Start Date: 06/07/2018 16:00
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 06/08/2018 10:02
 Lab File ID: 30817_21.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	0.4851	0.4839		9.97	10.0	-0.2	30.0
Dichlorodifluoromethane	Ave	2.037	1.797		8.82	10.0	-11.7	30.0
Freon 22	Ave	1.083	1.076		9.93	10.0	-0.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.127	2.036		9.57	10.0	-4.3	30.0
Chloromethane	Ave	0.6307	0.5989		9.49	10.0	-5.1	30.0
n-Butane	Ave	1.058	1.058		9.99	10.0	-0.0	30.0
Vinyl chloride	Ave	0.7400	0.7642		10.3	10.0	3.3	30.0
1,3-Butadiene	Ave	0.5216	0.5582		10.7	10.0	7.0	30.0
Bromomethane	Ave	0.8090	0.8009		9.90	10.0	-1.0	30.0
Chloroethane	Ave	0.3671	0.3661		9.97	10.0	-0.3	30.0
Isopentane	Ave	0.7691	0.7293		9.48	10.0	-5.2	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8485	0.8464		9.97	10.0	-0.3	30.0
Trichlorofluoromethane	Ave	2.219	2.195		9.89	10.0	-1.1	30.0
n-Pentane	Ave	1.090	1.075		9.86	10.0	-1.3	30.0
Ethanol	Ave	0.2664	0.2775		15.6	15.0	4.2	30.0
Ethyl ether	Ave	0.4788	0.4521		9.44	10.0	-5.6	30.0
Acrolein	Ave	0.1988	0.1971		9.91	10.0	-0.9	30.0
Freon TF	Ave	1.622	1.572		9.69	10.0	-3.1	30.0
1,1-Dichloroethene	Ave	0.7010	0.7359		10.5	10.0	5.0	30.0
Acetone	Ave	1.015	0.9797		9.65	10.0	-3.5	30.0
Carbon disulfide	Ave	1.997	1.943		9.73	10.0	-2.7	30.0
Isopropyl alcohol	Ave	1.190	1.169		9.82	10.0	-1.7	30.0
3-Chloropropene	Ave	0.6922	0.6771		9.78	10.0	-2.2	30.0
Acetonitrile	Ave	0.4714	0.4676		9.92	10.0	-0.8	30.0
Methylene Chloride	Ave	0.7757	0.7094		9.14	10.0	-8.5	30.0
tert-Butyl alcohol	Ave	1.633	1.646		10.1	10.0	0.8	30.0
Methyl tert-butyl ether	Ave	2.283	2.220		9.73	10.0	-2.7	30.0
trans-1,2-Dichloroethene	Ave	1.093	1.029		9.42	10.0	-5.8	30.0
Acrylonitrile	Ave	0.4779	0.4748		9.93	10.0	-0.7	30.0
n-Hexane	Ave	1.107	1.034		9.33	10.0	-6.7	30.0
1,1-Dichloroethane	Ave	1.379	1.346		9.76	10.0	-2.4	30.0
Vinyl acetate	Ave	1.705	1.676		9.83	10.0	-1.7	30.0
cis-1,2-Dichloroethene	Ave	0.9469	0.9461		9.99	10.0	-0.0	30.0
Methyl Ethyl Ketone	Ave	0.4398	0.4235		9.63	10.0	-3.7	30.0
Ethyl acetate	Ave	0.0661	0.0665		10.1	10.0	0.6	30.0
Tetrahydrofuran	Ave	0.1661	0.1630		9.81	10.0	-1.9	30.0
Chloroform	Ave	1.929	1.861		9.65	10.0	-3.5	30.0
Cyclohexane	Ave	0.2409	0.2338		9.71	10.0	-2.9	30.0
1,1,1-Trichloroethane	Ave	0.3944	0.3814		9.67	10.0	-3.3	30.0
Carbon tetrachloride	Ave	0.3705	0.4026		10.9	10.0	8.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43966-1
 SDG No.: _____
 Lab Sample ID: ICV 200-130368/21 Calibration Date: 06/08/2018 10:58
 Instrument ID: CHX.i Calib Start Date: 06/07/2018 16:00
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 06/08/2018 10:02
 Lab File ID: 30817_21.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	0.8751	0.8475		9.68	10.0	-3.2	30.0
Benzene	Ave	0.5885	0.5587		9.49	10.0	-5.1	30.0
1,2-Dichloroethane	Ave	0.2398	0.2286		9.53	10.0	-4.6	30.0
n-Heptane	Ave	0.3240	0.3116		9.62	10.0	-3.8	30.0
n-Butanol	Ave	0.1260	0.1250		9.91	10.0	-0.8	30.0
Trichloroethene	Ave	0.2792	0.2669		9.56	10.0	-4.4	30.0
1,2-Dichloropropane	Ave	0.2276	0.2219		9.75	10.0	-2.5	30.0
Methyl methacrylate	Ave	0.2154	0.2150		9.98	10.0	-0.2	30.0
1,4-Dioxane	Ave	0.1458	0.1461		10.0	10.0	0.2	30.0
Dibromomethane	Ave	0.3343	0.3301		9.87	10.0	-1.3	30.0
Bromodichloromethane	Ave	0.4504	0.4366		9.69	10.0	-3.1	30.0
cis-1,3-Dichloropropene	Ave	0.3524	0.3459		9.81	10.0	-1.8	30.0
methyl isobutyl ketone	Ave	0.4394	0.4344		9.88	10.0	-1.1	30.0
Toluene	Ave	0.5229	0.5049		9.65	10.0	-3.4	30.0
n-Octane	Ave	0.5011	0.4828		9.63	10.0	-3.6	30.0
trans-1,3-Dichloropropene	Ave	0.3625	0.3504		9.66	10.0	-3.3	30.0
1,1,2-Trichloroethane	Ave	0.2506	0.2419		9.65	10.0	-3.5	30.0
Tetrachloroethene	Ave	0.5113	0.5045		9.87	10.0	-1.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4492	0.4473		9.96	10.0	-0.4	30.0
Dibromochloromethane	Ave	0.5506	0.5201		9.44	10.0	-5.5	30.0
1,2-Dibromoethane	Ave	0.4869	0.4781		9.82	10.0	-1.8	30.0
Chlorobenzene	Ave	0.7481	0.7285		9.74	10.0	-2.6	30.0
Ethylbenzene	Ave	1.152	1.130		9.81	10.0	-1.9	30.0
n-Nonane	Ave	0.5129	0.5059		9.86	10.0	-1.4	30.0
m,p-Xylene	Ave	0.4780	0.4694		19.6	20.0	-1.8	30.0
Xylene, o-	Ave	0.4728	0.4641		9.82	10.0	-1.8	30.0
Styrene	Ave	0.7147	0.7272		10.2	10.0	1.7	30.0
Bromoform	Ave	0.5736	0.4827		8.41	10.0	-15.8	30.0
Cumene	Ave	1.359	1.335		9.82	10.0	-1.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6672	0.6575		9.85	10.0	-1.4	30.0
n-Propylbenzene	Ave	1.596	1.591		9.97	10.0	-0.3	30.0
1,2,3-Trichloropropane	Ave	0.5099	0.4992		9.79	10.0	-2.1	30.0
n-Decane	Ave	0.6268	0.6590		10.5	10.0	5.1	30.0
4-Ethyltoluene	Ave	1.350	1.354		10.0	10.0	0.3	30.0
2-Chlorotoluene	Ave	1.095	1.086		9.91	10.0	-0.9	30.0
1,3,5-Trimethylbenzene	Ave	1.118	1.125		10.1	10.0	0.6	30.0
Alpha Methyl Styrene	Ave	0.5633	0.5938		10.5	10.0	5.4	30.0
tert-Butylbenzene	Ave	1.112	1.112		10.0	10.0	-0.0	30.0
1,2,4-Trimethylbenzene	Ave	1.127	1.145		10.2	10.0	1.6	30.0
sec-Butylbenzene	Ave	1.644	1.677		10.2	10.0	2.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43966-1
 SDG No.: _____
 Lab Sample ID: ICV 200-130368/21 Calibration Date: 06/08/2018 10:58
 Instrument ID: CHX.i Calib Start Date: 06/07/2018 16:00
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 06/08/2018 10:02
 Lab File ID: 30817_21.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	1.393	1.452		10.4	10.0	4.3	30.0
1,3-Dichlorobenzene	Ave	0.8609	0.8764		10.2	10.0	1.8	30.0
1,4-Dichlorobenzene	Ave	0.8665	0.8832		10.2	10.0	1.9	30.0
Benzyl chloride	Ave	0.8699	0.9163		10.5	10.0	5.3	30.0
n-Butylbenzene	Ave	1.210	1.277		10.5	10.0	5.5	30.0
n-Undecane	Ave	0.6209	0.6348		10.2	10.0	2.2	30.0
1,2-Dichlorobenzene	Ave	0.8190	0.8357		10.2	10.0	2.0	30.0
n-Dodecane	Ave	0.3978	0.4467		11.2	10.0	12.3	30.0
1,2,4-Trichlorobenzene	Ave	0.6134	0.5945		9.69	10.0	-3.1	30.0
Hexachlorobutadiene	Ave	0.6196	0.6161		9.94	10.0	-0.6	30.0
Naphthalene	Ave	1.170	1.164		9.94	10.0	-0.6	30.0
1,2,3-Trichlorobenzene	Ave	0.5454	0.5589		10.2	10.0	2.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43966-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-131083/2 Calibration Date: 06/25/2018 11:43
 Instrument ID: CHX.i Calib Start Date: 06/07/2018 16:00
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 06/08/2018 10:02
 Lab File ID: 31099_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	0.4851	0.5033		10.4	10.0	3.8	30.0
Dichlorodifluoromethane	Ave	2.037	2.073		10.2	10.0	1.8	30.0
Freon 22	Ave	1.083	1.088		10.0	10.0	0.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.127	2.121		9.97	10.0	-0.3	30.0
Chloromethane	Ave	0.6307	0.6265		9.93	10.0	-0.7	30.0
n-Butane	Ave	1.058	1.037		9.80	10.0	-2.0	30.0
Vinyl chloride	Ave	0.7400	0.7343		9.92	10.0	-0.8	30.0
1,3-Butadiene	Ave	0.5216	0.5345		10.2	10.0	2.5	30.0
Bromomethane	Ave	0.8090	0.7735		9.56	10.0	-4.4	30.0
Chloroethane	Ave	0.3671	0.3504		9.54	10.0	-4.6	30.0
Isopentane	Ave	0.7691	0.7830		10.2	10.0	1.8	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8485	0.7383		8.70	10.0	-13.0	30.0
Trichlorofluoromethane	Ave	2.219	2.043		9.20	10.0	-7.9	30.0
n-Pentane	Ave	1.090	1.112		10.2	10.0	2.0	30.0
Ethanol	Ave	0.2664	0.3376		19.0	15.0	26.7	30.0
Ethyl ether	Ave	0.4788	0.4350		9.08	10.0	-9.2	30.0
Acrolein	Ave	0.1988	0.2523		12.7	10.0	26.9	30.0
Freon TF	Ave	1.622	1.690		10.4	10.0	4.1	30.0
1,1-Dichloroethene	Ave	0.7010	0.7687		11.0	10.0	9.7	30.0
Acetone	Ave	1.015	1.140		11.2	10.0	12.3	30.0
Carbon disulfide	Ave	1.997	2.134		10.7	10.0	6.9	30.0
Isopropyl alcohol	Ave	1.190	1.064		8.94	10.0	-10.6	30.0
3-Chloropropene	Ave	0.6922	0.7935		11.5	10.0	14.6	30.0
Acetonitrile	Ave	0.4714	0.4549		9.65	10.0	-3.5	30.0
Methylene Chloride	Ave	0.7757	0.7630		9.83	10.0	-1.6	30.0
tert-Butyl alcohol	Ave	1.633	1.466		8.98	10.0	-10.2	30.0
Methyl tert-butyl ether	Ave	2.283	2.162		9.47	10.0	-5.3	30.0
trans-1,2-Dichloroethene	Ave	1.093	1.050		9.61	10.0	-3.9	30.0
Acrylonitrile	Ave	0.4779	0.4580		9.58	10.0	-4.2	30.0
n-Hexane	Ave	1.107	1.035		9.34	10.0	-6.6	30.0
1,1-Dichloroethane	Ave	1.379	1.327		9.62	10.0	-3.7	30.0
Vinyl acetate	Ave	1.705	1.768		10.4	10.0	3.7	30.0
cis-1,2-Dichloroethene	Ave	0.9469	0.9214		9.73	10.0	-2.7	30.0
Methyl Ethyl Ketone	Ave	0.4398	0.4043		9.19	10.0	-8.1	30.0
Ethyl acetate	Ave	0.0661	0.0675		10.2	10.0	2.1	30.0
Tetrahydrofuran	Ave	0.1661	0.1498		9.02	10.0	-9.8	30.0
Chloroform	Ave	1.929	1.879		9.74	10.0	-2.6	30.0
Cyclohexane	Ave	0.2409	0.2232		9.27	10.0	-7.3	30.0
1,1,1-Trichloroethane	Ave	0.3944	0.3838		9.73	10.0	-2.7	30.0
Carbon tetrachloride	Ave	0.3705	0.3893		10.5	10.0	5.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43966-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-131083/2 Calibration Date: 06/25/2018 11:43
 Instrument ID: CHX.i Calib Start Date: 06/07/2018 16:00
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 06/08/2018 10:02
 Lab File ID: 31099_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	0.8751	0.7984		9.12	10.0	-8.8	30.0
Benzene	Ave	0.5885	0.5437		9.24	10.0	-7.6	30.0
1,2-Dichloroethane	Ave	0.2398	0.2317		9.66	10.0	-3.3	30.0
n-Heptane	Ave	0.3240	0.3008		9.28	10.0	-7.2	30.0
n-Butanol	Ave	0.1260	0.1132		8.98	10.0	-10.2	30.0
Trichloroethene	Ave	0.2792	0.2658		9.52	10.0	-4.8	30.0
1,2-Dichloropropane	Ave	0.2276	0.2131		9.36	10.0	-6.4	30.0
Methyl methacrylate	Ave	0.2154	0.2058		9.55	10.0	-4.5	30.0
1,4-Dioxane	Ave	0.1458	0.1301		8.92	10.0	-10.8	30.0
Dibromomethane	Ave	0.3343	0.3192		9.55	10.0	-4.5	30.0
Bromodichloromethane	Ave	0.4504	0.4269		9.48	10.0	-5.2	30.0
cis-1,3-Dichloropropene	Ave	0.3524	0.3568		10.1	10.0	1.3	30.0
methyl isobutyl ketone	Ave	0.4394	0.4205		9.57	10.0	-4.3	30.0
Toluene	Ave	0.5229	0.4674		8.94	10.0	-10.6	30.0
n-Octane	Ave	0.5011	0.4637		9.25	10.0	-7.5	30.0
trans-1,3-Dichloropropene	Ave	0.3625	0.3324		9.17	10.0	-8.3	30.0
1,1,2-Trichloroethane	Ave	0.2506	0.2244		8.95	10.0	-10.5	30.0
Tetrachloroethene	Ave	0.5113	0.4898		9.58	10.0	-4.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4492	0.4119		9.17	10.0	-8.3	30.0
Dibromochloromethane	Ave	0.5506	0.5418		9.84	10.0	-1.6	30.0
1,2-Dibromoethane	Ave	0.4869	0.4475		9.19	10.0	-8.1	30.0
Chlorobenzene	Ave	0.7481	0.7008		9.37	10.0	-6.3	30.0
Ethylbenzene	Ave	1.152	1.072		9.30	10.0	-7.0	30.0
n-Nonane	Ave	0.5129	0.4635		9.03	10.0	-9.6	30.0
m,p-Xylene	Ave	0.4780	0.4389		18.4	20.0	-8.2	30.0
Xylene, o-	Ave	0.4728	0.4257		9.00	10.0	-10.0	30.0
Styrene	Ave	0.7147	0.6848		9.58	10.0	-4.2	30.0
Bromoform	Ave	0.5736	0.6293		11.0	10.0	9.7	30.0
Cumene	Ave	1.359	1.276		9.39	10.0	-6.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6672	0.6218		9.32	10.0	-6.8	30.0
n-Propylbenzene	Ave	1.596	1.491		9.34	10.0	-6.6	30.0
1,2,3-Trichloropropane	Ave	0.5099	0.4850		9.51	10.0	-4.9	30.0
n-Decane	Ave	0.6268	0.6097		9.73	10.0	-2.7	30.0
4-Ethyltoluene	Ave	1.350	1.296		9.60	10.0	-4.0	30.0
2-Chlorotoluene	Ave	1.095	1.035		9.45	10.0	-5.5	30.0
1,3,5-Trimethylbenzene	Ave	1.118	1.072		9.59	10.0	-4.1	30.0
Alpha Methyl Styrene	Ave	0.5633	0.5687		10.1	10.0	1.0	30.0
tert-Butylbenzene	Ave	1.112	1.078		9.69	10.0	-3.1	30.0
1,2,4-Trimethylbenzene	Ave	1.127	1.087		9.65	10.0	-3.5	30.0
sec-Butylbenzene	Ave	1.644	1.623		9.86	10.0	-1.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-43966-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-131083/2 Calibration Date: 06/25/2018 11:43
 Instrument ID: CHX.i Calib Start Date: 06/07/2018 16:00
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 06/08/2018 10:02
 Lab File ID: 31099_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	1.393	1.432		10.3	10.0	2.8	30.0
1,3-Dichlorobenzene	Ave	0.8609	0.8744		10.2	10.0	1.6	30.0
1,4-Dichlorobenzene	Ave	0.8665	0.8819		10.2	10.0	1.8	30.0
Benzyl chloride	Ave	0.8699	0.9519		10.9	10.0	9.4	30.0
n-Butylbenzene	Ave	1.210	1.270		10.5	10.0	4.9	30.0
n-Undecane	Ave	0.6209	0.6021		9.69	10.0	-3.0	30.0
1,2-Dichlorobenzene	Ave	0.8190	0.8416		10.3	10.0	2.8	30.0
n-Dodecane	Ave	0.3978	0.4917		12.4	10.0	23.6	30.0
1,2,4-Trichlorobenzene	Ave	0.6134	0.6807		11.1	10.0	11.0	30.0
Hexachlorobutadiene	Ave	0.6196	0.6807		11.0	10.0	9.9	30.0
Naphthalene	Ave	1.170	1.334		11.4	10.0	13.9	30.0
1,2,3-Trichlorobenzene	Ave	0.5454	0.6556		12.0	10.0	20.2	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-43966-1

SDG No.: _____

Instrument ID: CHX.iStart Date: 06/07/2018 14:20Analysis Batch Number: 130368End Date: 06/08/2018 10:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-130368/1		06/07/2018 14:20	1	30817_01.D	RTX-624 0.32 (mm)
VIBLK 200-130368/2		06/07/2018 15:10	1		RTX-624 0.32 (mm)
IC 200-130368/3		06/07/2018 16:00	1	30817_03.D	RTX-624 0.32 (mm)
ZZZZZ		06/07/2018 16:51	1		RTX-624 0.32 (mm)
IC 200-130368/5		06/07/2018 17:41	1	30817_05.D	RTX-624 0.32 (mm)
ZZZZZ		06/07/2018 18:32	1		RTX-624 0.32 (mm)
IC 200-130368/7		06/07/2018 19:23	1	30817_07.D	RTX-624 0.32 (mm)
ICIS 200-130368/8		06/07/2018 20:13	1	30817_08.D	RTX-624 0.32 (mm)
IC 200-130368/9		06/07/2018 21:04	1	30817_09.D	RTX-624 0.32 (mm)
IC 200-130368/10		06/07/2018 21:54	1	30817_10.D	RTX-624 0.32 (mm)
IC 200-130368/11		06/07/2018 22:44	1	30817_11.D	RTX-624 0.32 (mm)
ZZZZZ		06/07/2018 23:35	1		RTX-624 0.32 (mm)
ZZZZZ		06/08/2018 00:26	1		RTX-624 0.32 (mm)
ZZZZZ		06/08/2018 01:16	1		RTX-624 0.32 (mm)
ZZZZZ		06/08/2018 02:07	1		RTX-624 0.32 (mm)
ZZZZZ		06/08/2018 02:58	1		RTX-624 0.32 (mm)
ZZZZZ		06/08/2018 03:48	1		RTX-624 0.32 (mm)
ZZZZZ		06/08/2018 04:39	1		RTX-624 0.32 (mm)
ZZZZZ		06/08/2018 05:30	1		RTX-624 0.32 (mm)
IC 200-130368/20		06/08/2018 10:02	1	30817_20.D	RTX-624 0.32 (mm)
ICV 200-130368/21		06/08/2018 10:58	1	30817_21.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-43966-1

SDG No.: _____

Instrument ID: CHX.i Start Date: 06/25/2018 10:52Analysis Batch Number: 131083 End Date: 06/26/2018 10:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-131083/1		06/25/2018 10:52	1	31099_01.D	RTX-624 0.32 (mm)
CCVIS 200-131083/2		06/25/2018 11:43	1	31099_02.D	RTX-624 0.32 (mm)
LCS 200-131083/4		06/25/2018 16:09	1	31099_04.D	RTX-624 0.32 (mm)
MB 200-131083/6		06/25/2018 17:50	1	31099_06.D	RTX-624 0.32 (mm)
ZZZZZ		06/26/2018 09:44	1		RTX-624 0.32 (mm)
200-43966-5		06/26/2018 10:42	0.2	31099_26.D	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

SHIP DATE: 12JUL18
ACTWGT: 13.40 LB
CAD: 846654/CAFE3210
DIMS: 22x18x18 IN

BILL RECIPIENT

TO **SAMPLE MGT.**
TA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990 REF: BURLINGTON
DEPT: SC



FedEx
Express



TRK#
0201 4276 0717 2651

NC BTVA

FRI - 13 JUL 10:30A
PRIORITY OVERNIGHT

05403
VT-US **BTVA**



Login Sample Receipt Checklist

Client: AECOM

Job Number: 200-44316-1

Login Number: 44316

List Source: TestAmerica Burlington

List Number: 1

Creator: Hahl, Victoria L

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	NA: Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	No: Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	No: Thermal preservation not required
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	No: Thermal preservation not required
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	Emily Au
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.	N/A	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	NA: No analysis requiring residual chlorine check assigned



APPENDIX D

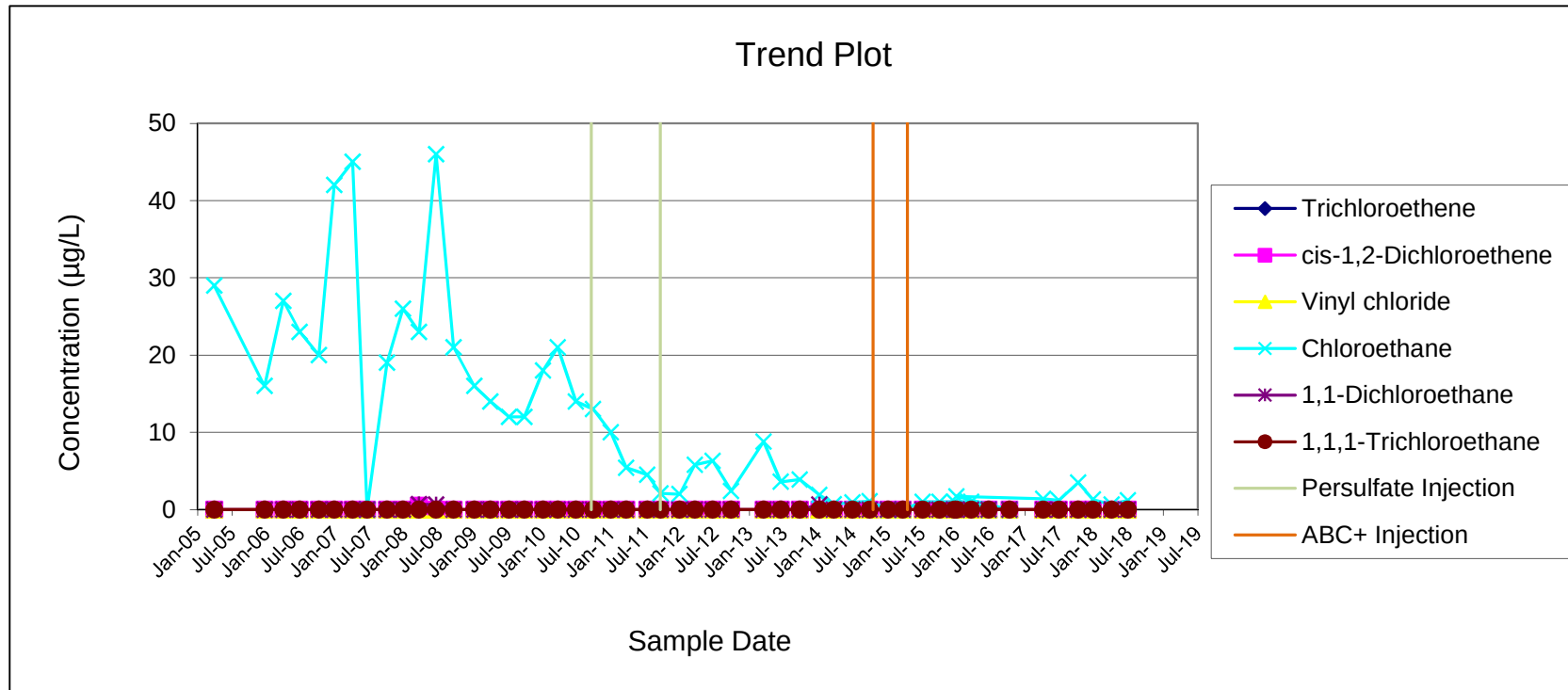
Historical and Current Summary of Chlorinated VOCs in Groundwater

MONITORING WELL MW-2
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED 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
4/17/2018	<1	<1	<1	0.65	<1	<1
7/13/2018	<1	<1	<1	1.2	<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
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

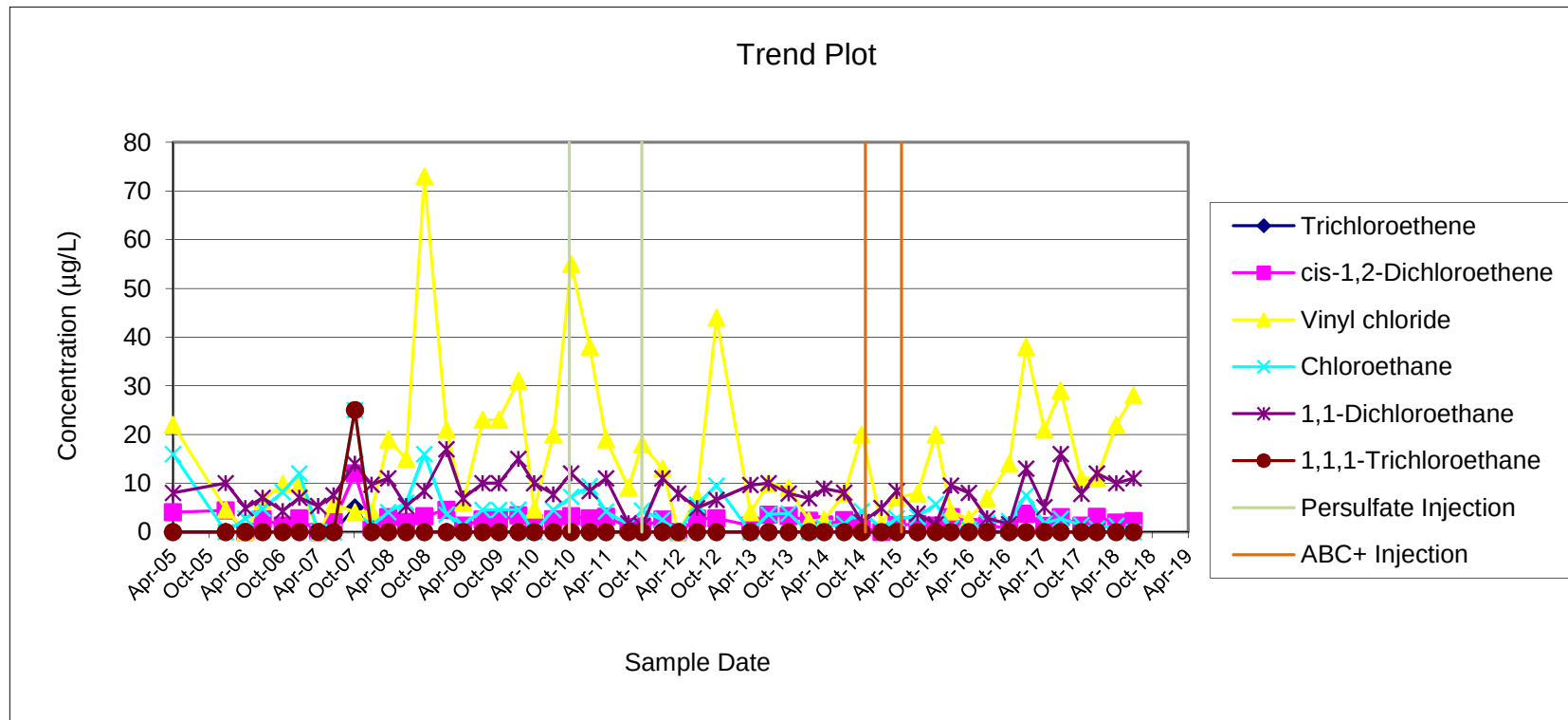


Note TCE data from 10/11/10 was reported in error as 350 µg/L and cis-1,2-DCE was reported as 25 µg/L.

MONITORING WELL MW-3
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED 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	3.0	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
4/17/2018	<1	1.9	22	1.3	10	<1
7/13/2018	<1	2.2	28	<1	11	<1

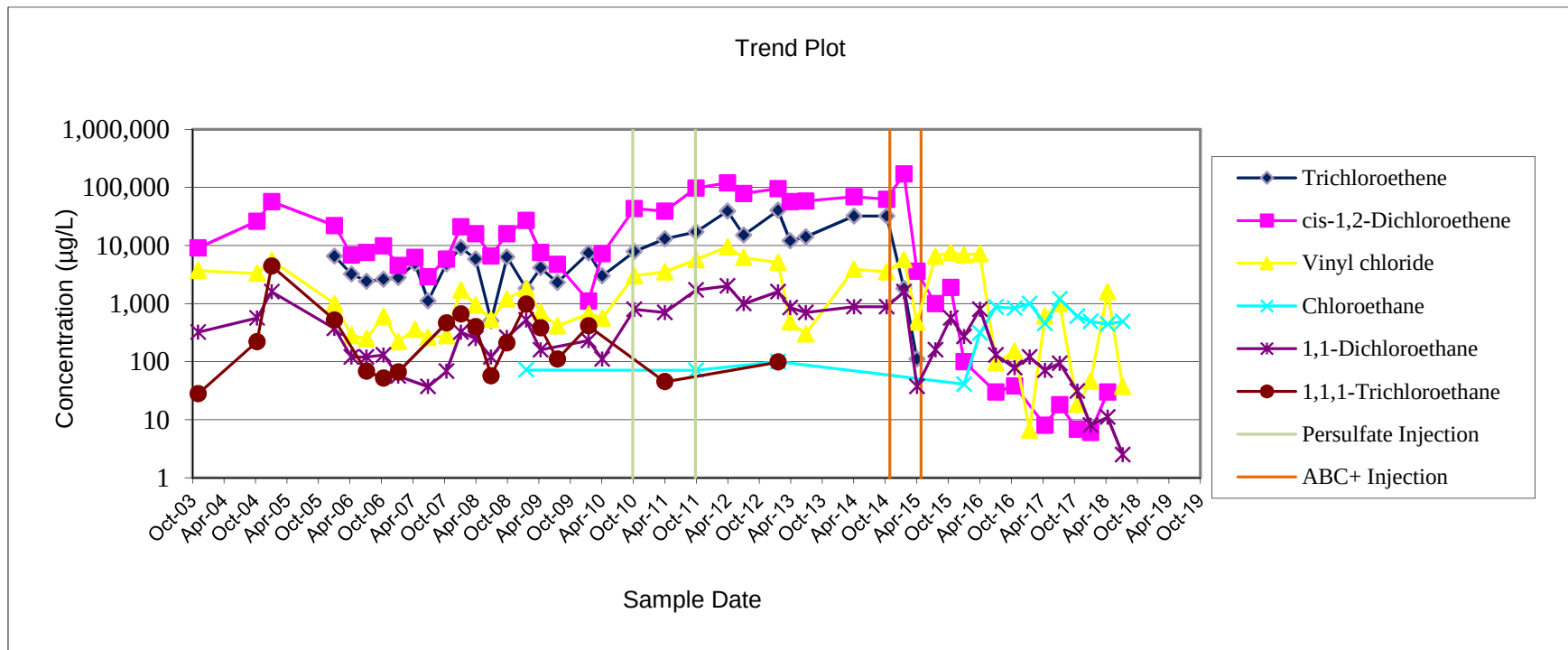
MONITORING WELL MW-3
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-4
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED 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
4/17/2018	<20	30	1,600	440	11	<20
7/13/2018	<5	<5	37	490	2.5	<5

MONITORING WELL MW-4
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



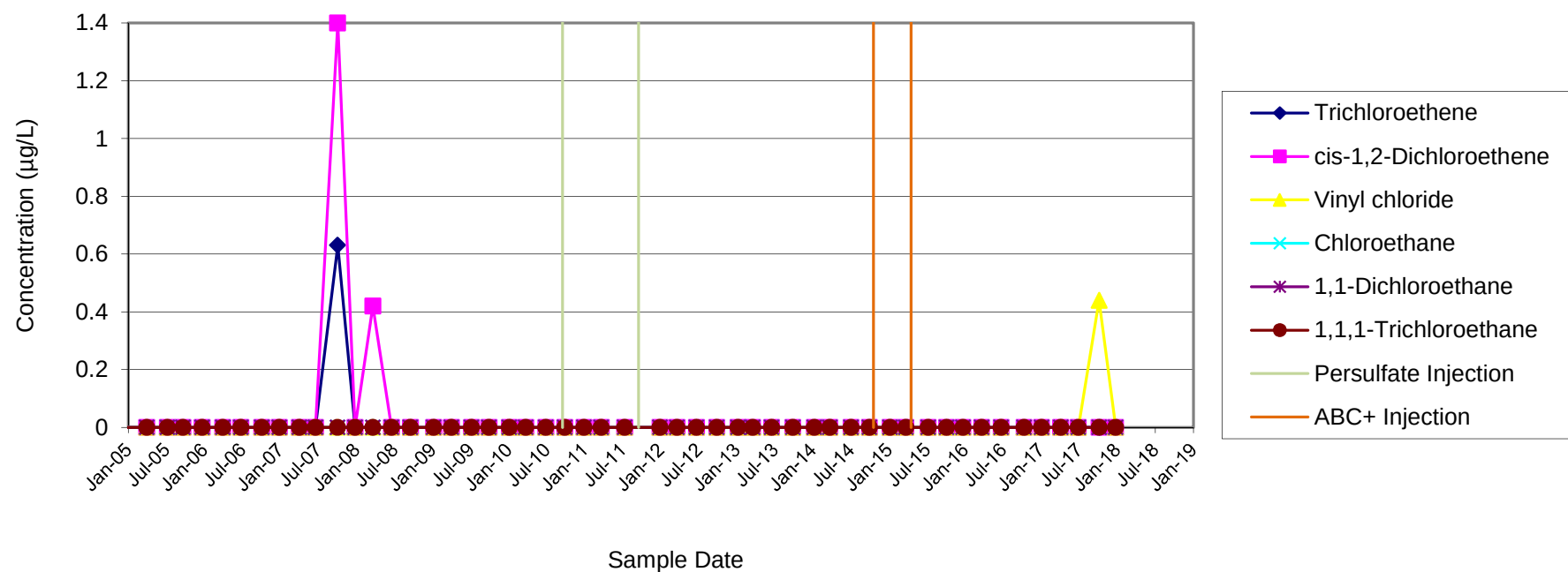
Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

MONITORING WELL MW-6
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED 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

Note well was destroyed by a snow plow prior to the April 2018 sampling event.

Lancaster, New York

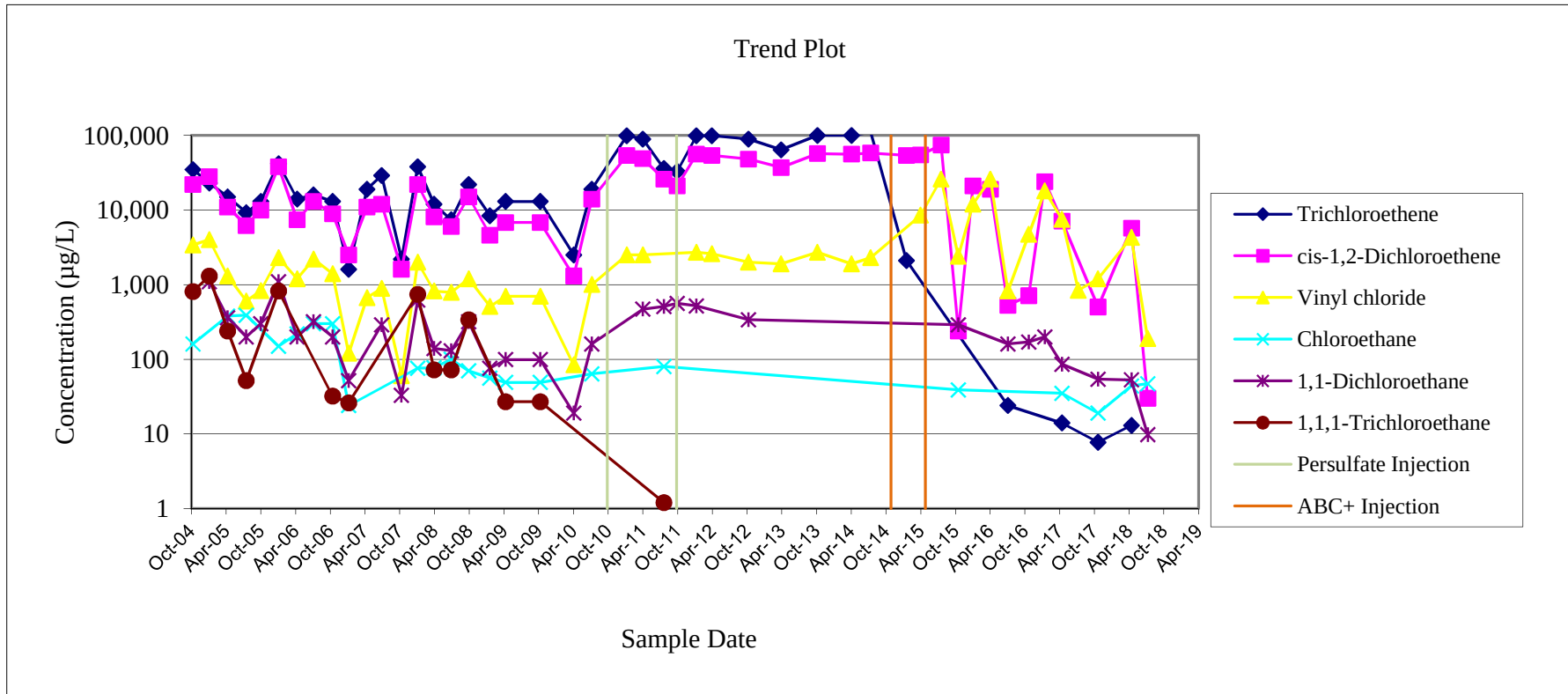


MONITORING WELL MW-8R
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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
4/18/2018	13	5,700	4,300	44	53	<20
7/13/2018	<10	30	190	47	9.8	<10

Note well was not accessible during the January 2018 sampling event.

MONITORING WELL MW-8R
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

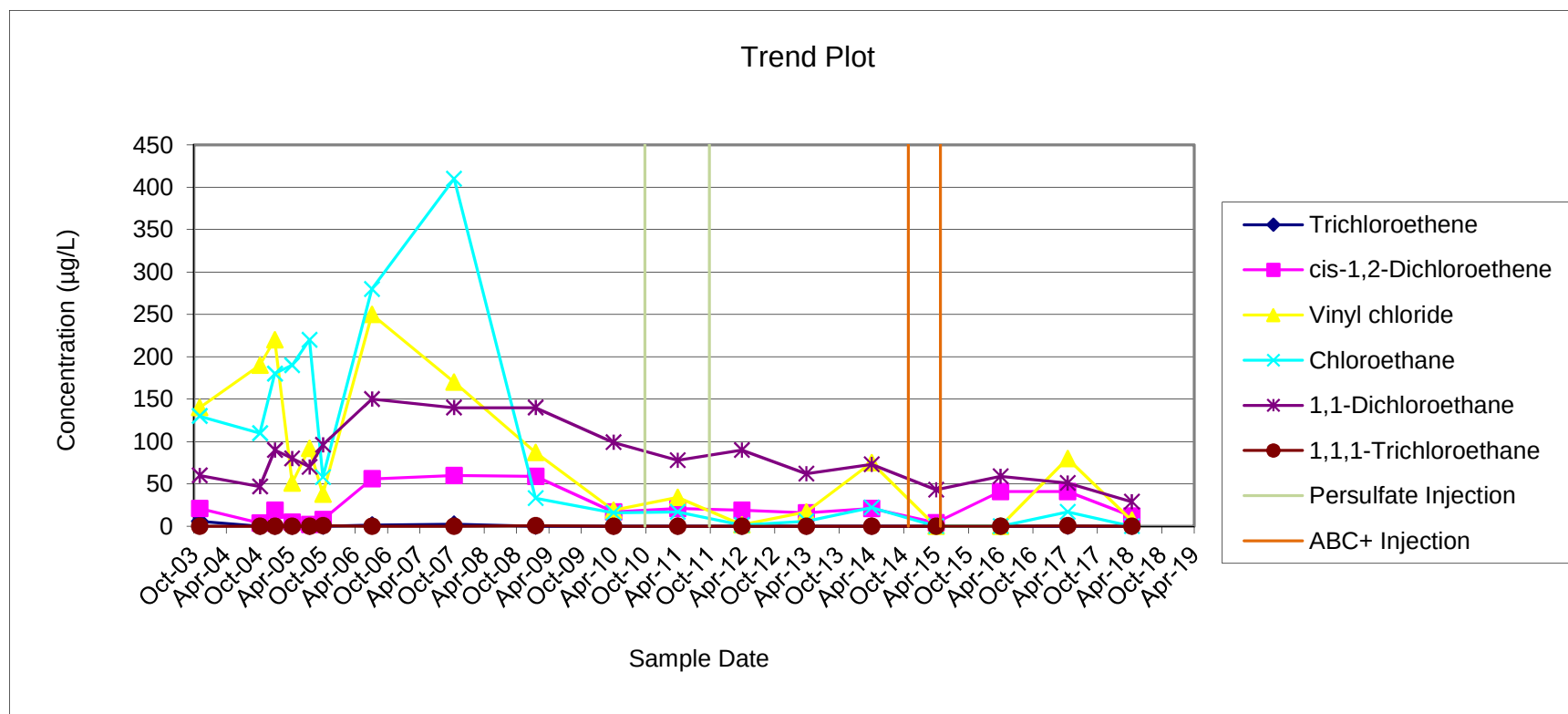


Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

MONITORING WELL MW-9
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED 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
4/17/2018	<1	12	7.2	<1	29	<1

MONITORING WELL MW-9
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

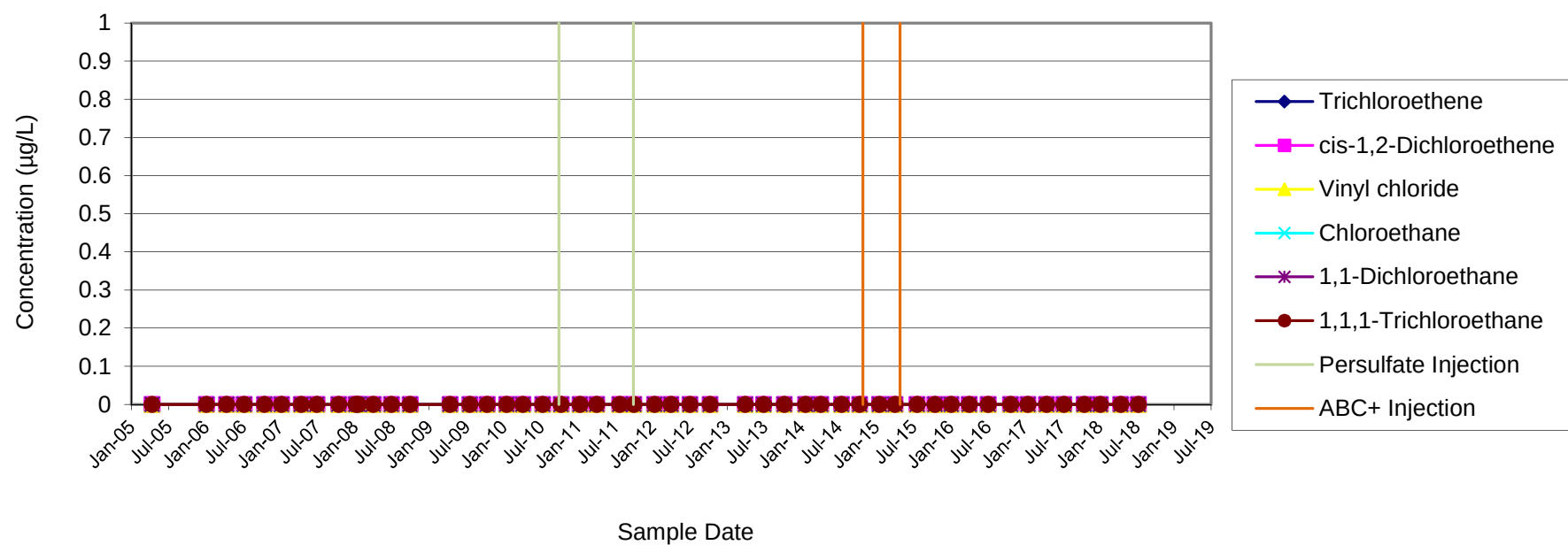


MONITORING WELL MW-10
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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
4/17/2018	<1	<1	<1	<1	<1	<1
7/13/2018	<1	<1	<1	<1	<1	<1

MONITORING WELL MW-10
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

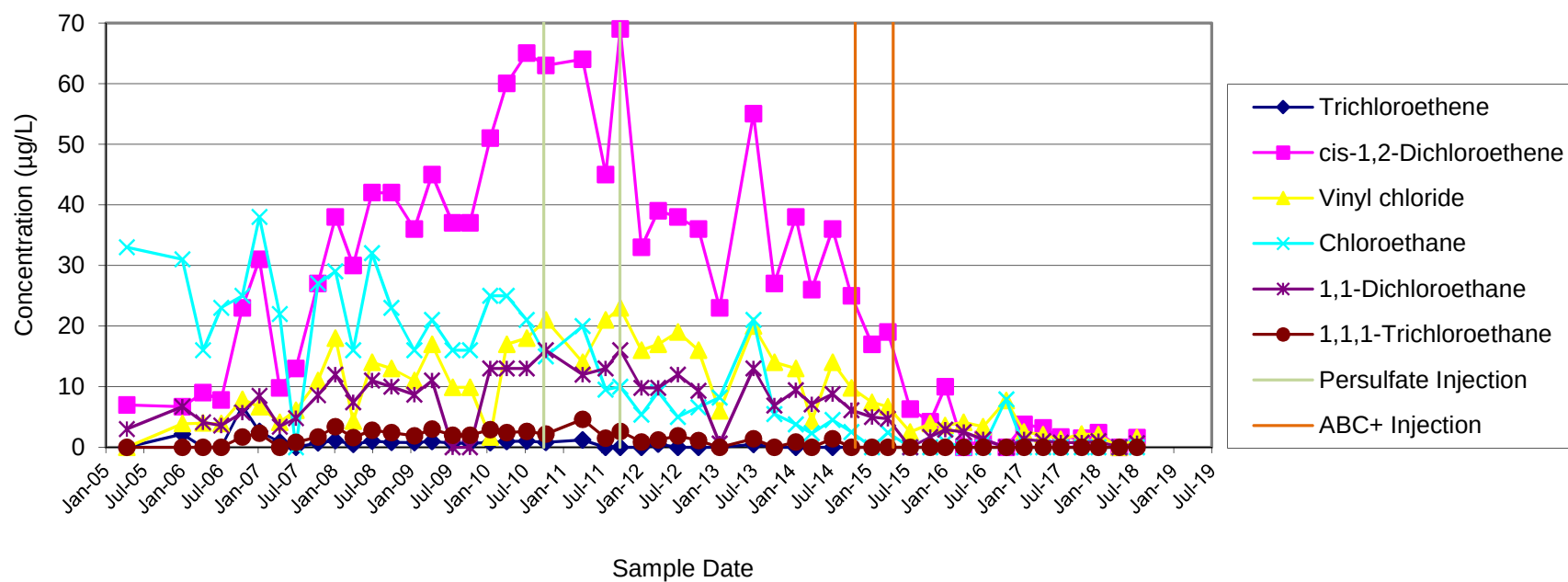


MONITORING WELL MW-11
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1,1-Tetrachloroethane
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
4/18/2018	<2	<2	<2	<2	<2	<2
7/12/2018	<1	1.6	1.6	<1	0.68	<1

MONITORING WELL MW-11
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot



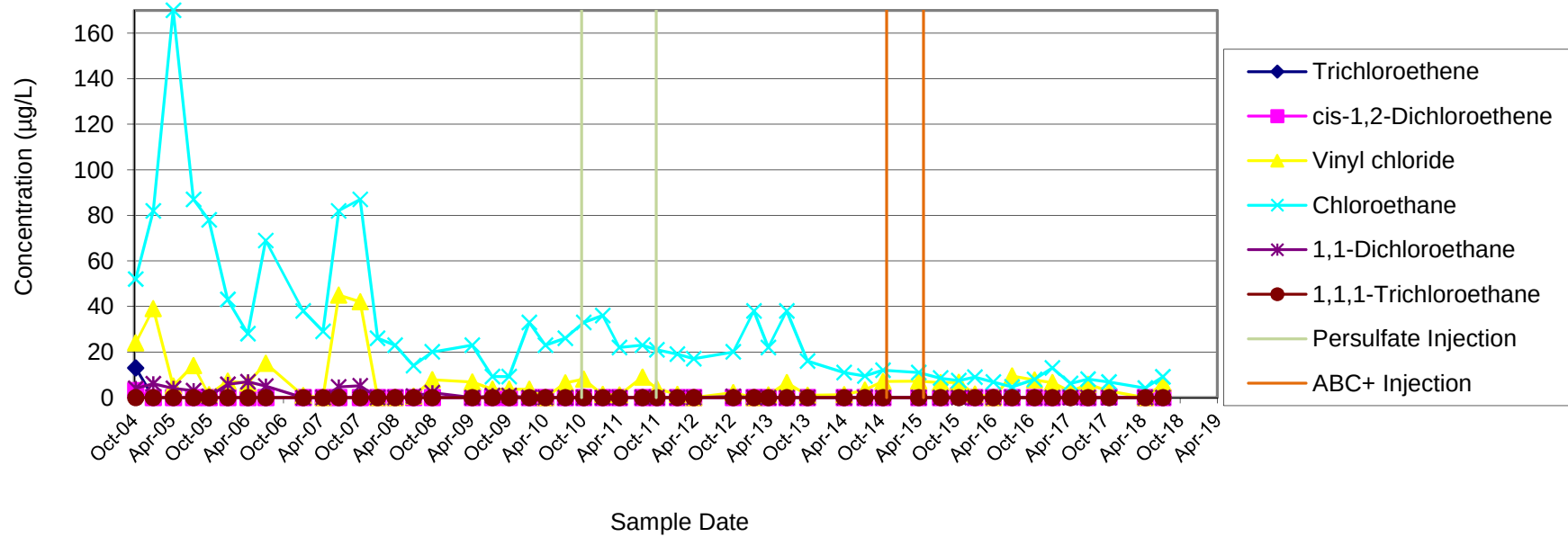
MONITORING WELL MW-12
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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
4/18/2018	<4	<4	<4	4.1	<4	<4
7/13/2018	<5	<5	6.1	9.1	<5	<5

Note well was not accessible during the January 2018 sampling event.

MONITORING WELL MW-12
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

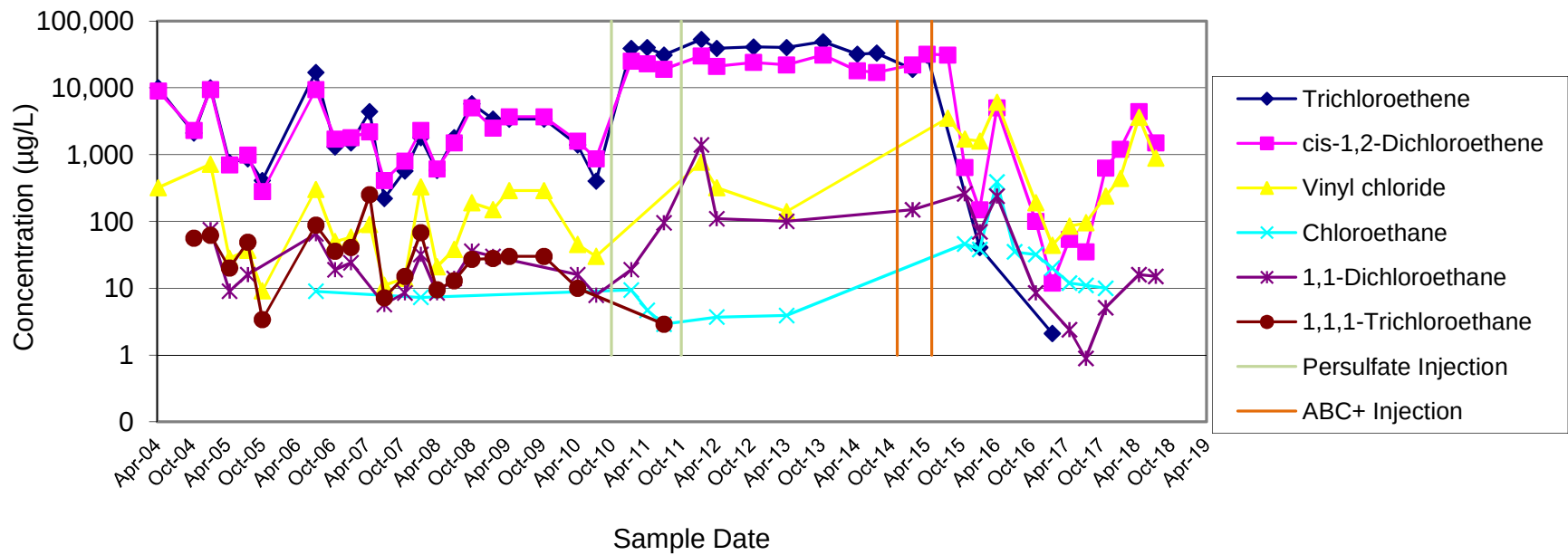


PIEZOMETER MW-13S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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	1,200	440	<40	<40	<40
4/17/2018	<40	4,400	3,600	<40	16	<40
7/13/2018	<40	1,500	880	<40	15	<40

MONITORING WELL MW-13S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

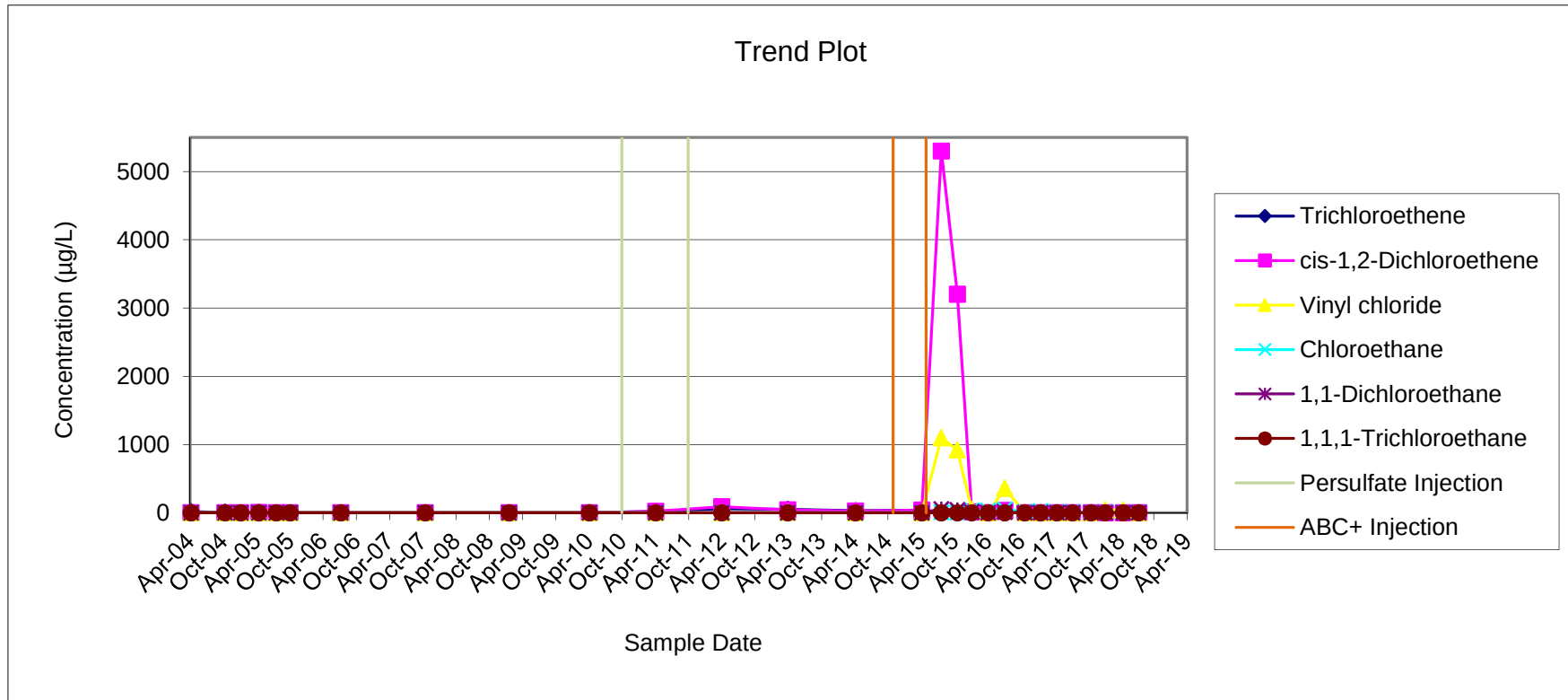
Trend Plot



PIEZOMETER MW-13D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED 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
4/18/2018	<1	1	39	6.5	<1	<1
7/13/2018	<1	<1	<1	5.5	<1	<1

PIEZOMETER MW-13D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

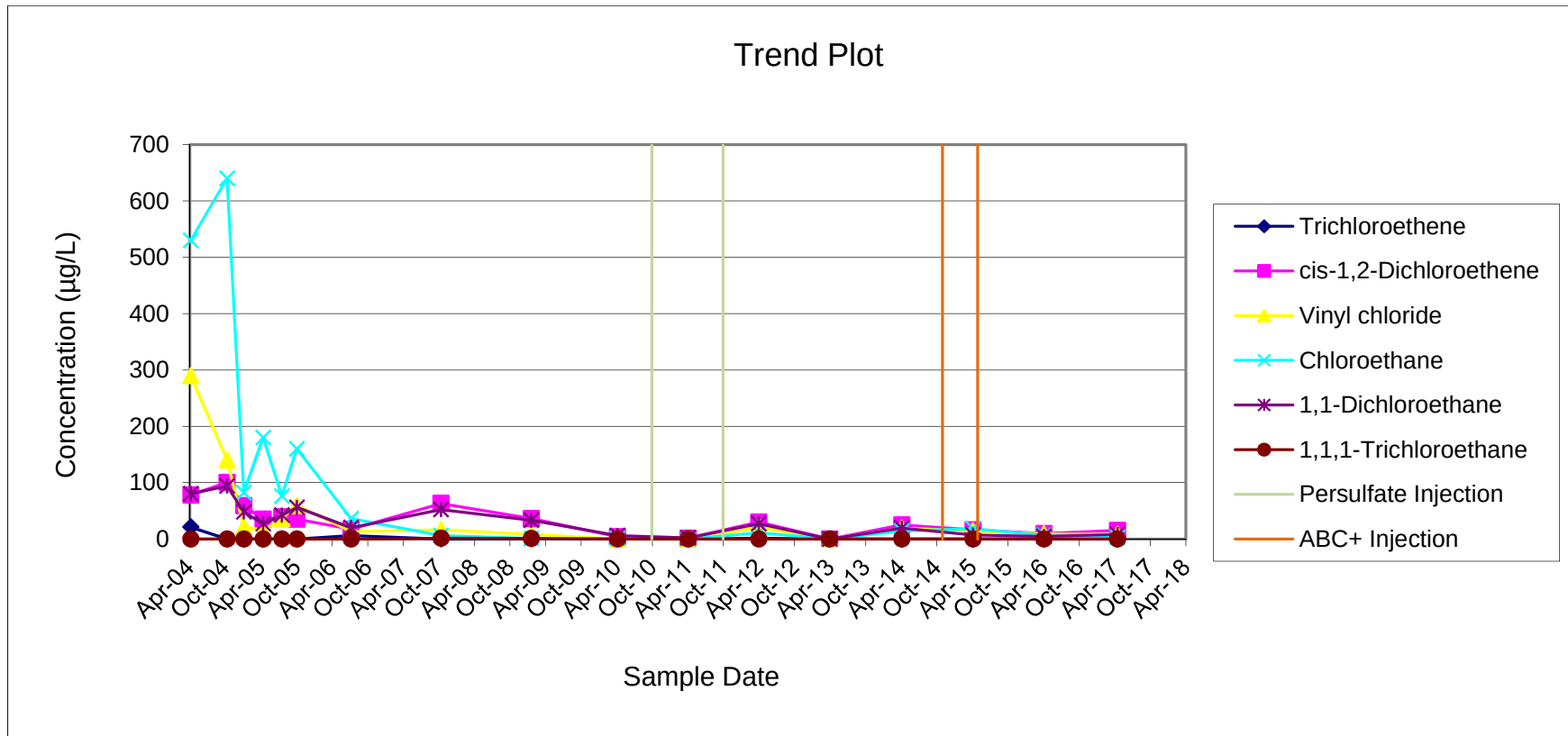


PIEZOMETER MW-14S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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

Well was flooded and not sampled in April 2018.

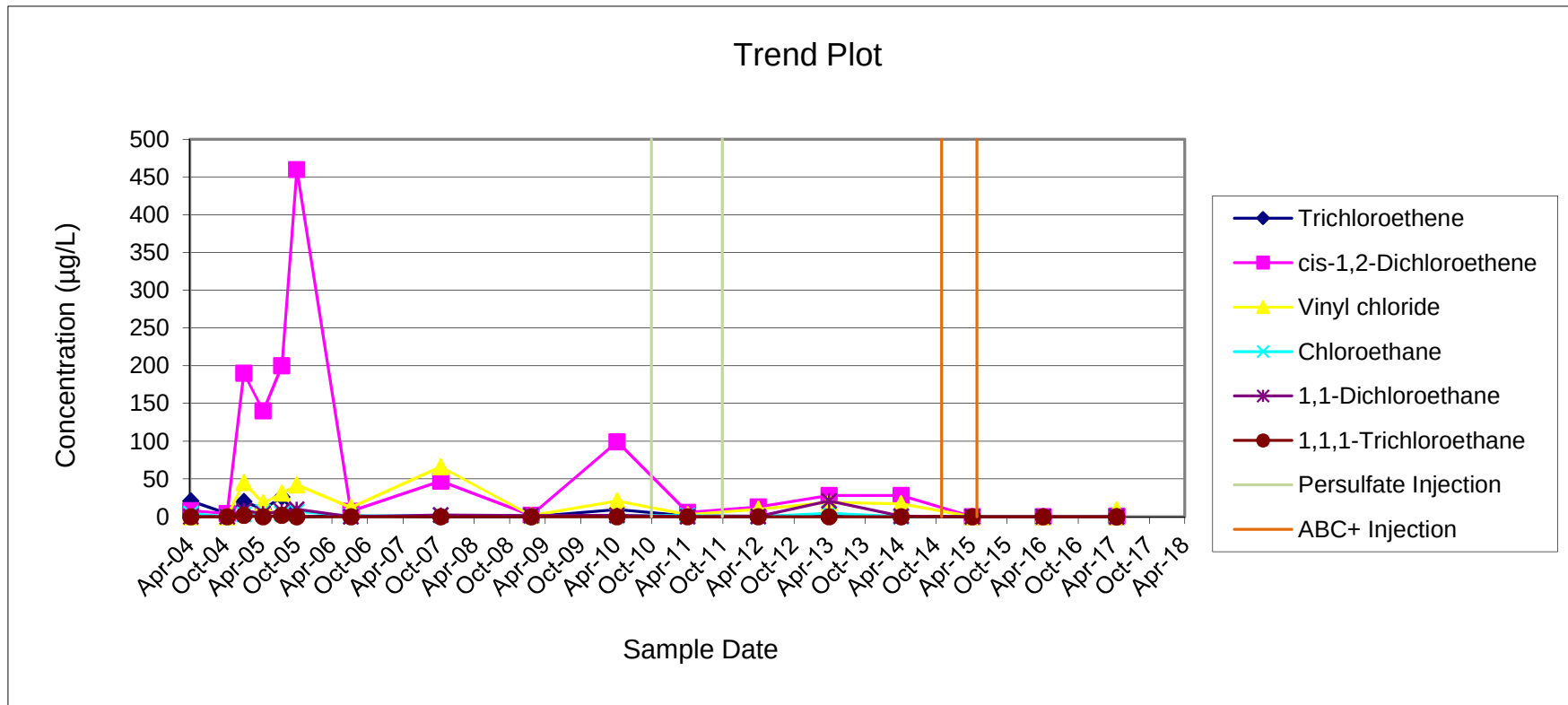
PIEZOMETER MW-14S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-14D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED 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
4/18/2017	<1	<1	9.0	<1	<1	<1

PIEZOMETER MW-14D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

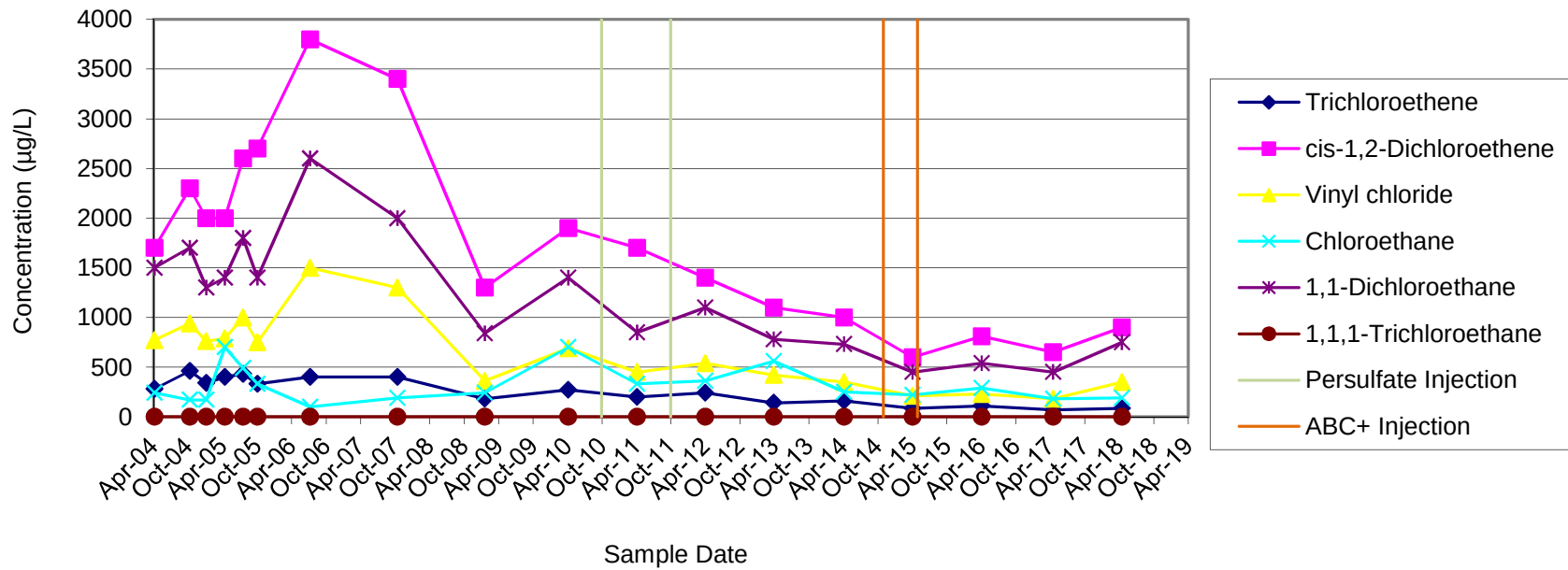


PIEZOMETER MW-15S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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
4/18/2018	85	900	350	190	750	<20

PIEZOMETER MW-15S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

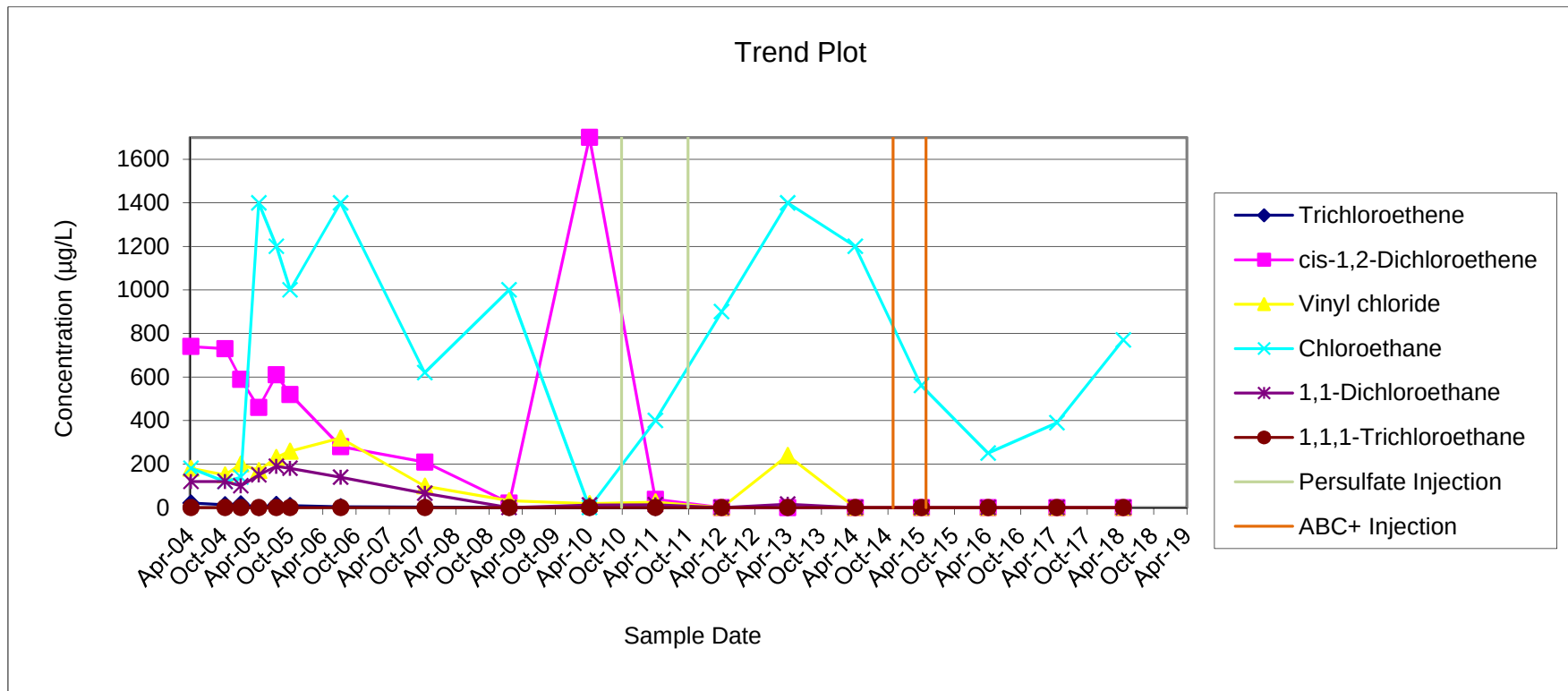
Trend Plot



PIEZOMETER MW-15D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED 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
4/19/2018	<5	<5	<5	770	<5	<5

PIEZOMETER MW-15D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

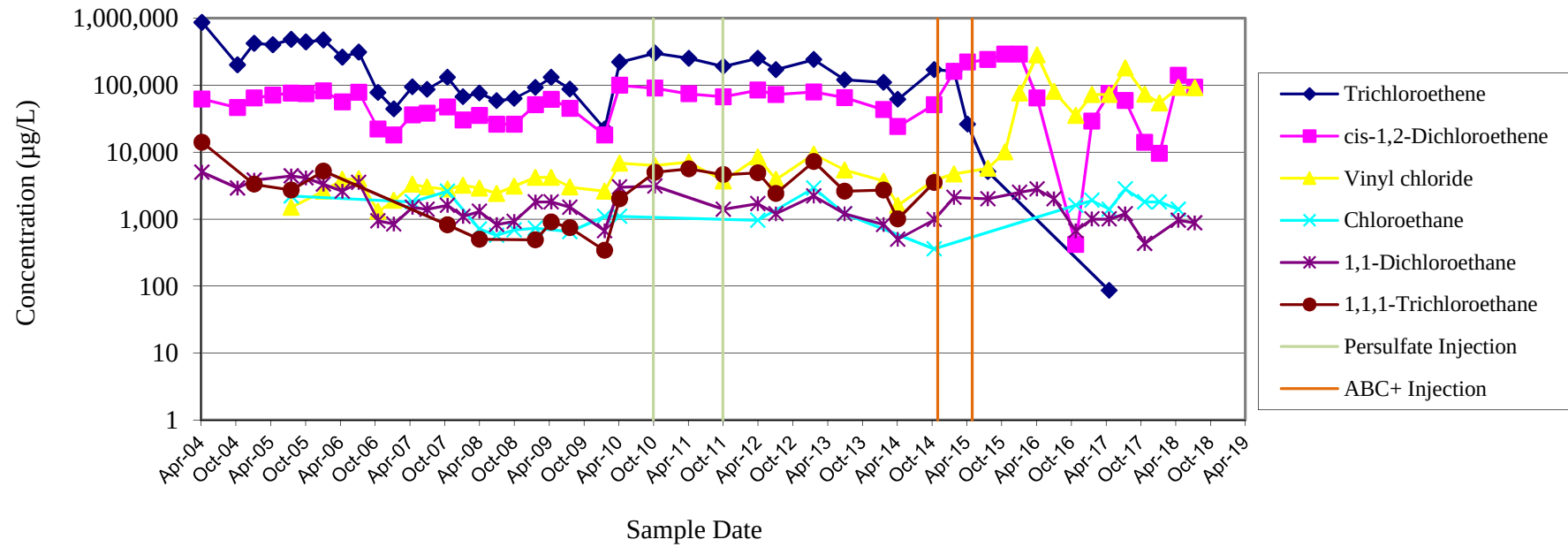


PIEZOMETER MW-16S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

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	<1,000	9,600	54,000	1,800	<1,000	<1,000
4/18/2018	<1,000	140,000	92,000	1,400	960	<1,000
7/13/2018	<1,000	93,000	91,000	<1,000	880	<1,000

MONITORING WELL MW-16S
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot



PIEZOMETER MW-16D
HISTORICAL AND CURRENT SUMMARY OF CHLORINATED 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	9.0	110	4.1	<1
4/18/2018	<1	1.5	15	52	0.78	<1
7/13/2018	<1	3.3	22	53	2.0	<1

PIEZOMETER MW-16D
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Former Scott Aviation Site
Lancaster, New York

