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January 25, 2016

Mr. Glenn May
New York State Department of Environmental Conservation, Region 9
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**Subject: Fiscal First Quarter 2016 Groundwater Monitoring Report (10/26/15 – 01/06/16)
January 2016 Sampling Event
Former Scott Aviation Facility – West of Plant 2
Lancaster, New York
NYSDEC Site Code No. 9-15-149**

Dear Mr. May:

On behalf of Scott Figgie LLC (successor to Scott Technologies, Inc.), AECOM Technical Services, Inc. (AECOM) is pleased to provide this Fiscal First Quarter 2016 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 10 presented in the Periodic Review Report (PRR) (April 7, 2014 through April 7, 2015), dated July 2015, 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, a vapor sample was collected from the air stripper discharge sampling port as part of the January 2016 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). Responsibility for the DPE groundwater remediation system located at 25A Walter Winter Drive, west of AVOX Plant 2, was retained 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. 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 will, as of that correspondence, be required for the site each calendar year, and it is to include four quarters of groundwater sampling based on the attached **Table 1** (Table 1 is updated quarterly; the attached Table 1 presents the groundwater monitoring schedule for the site from April 2016 through January 2017). 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. During the past year, the tenth PRR (April 7, 2014 through April 7, 2015) was completed and submitted to NYSDEC on July 30, 2015. An IC/EC certification was included with each PRR with the exception of the most recent PRR; NYSDEC informed AECOM via email on July 22, 2015, that an IC/EC certification form was not auto-generated by the NYSDEC and to submit the tenth PRR without an EC/IC certification.

Quarterly Groundwater Monitoring Activities – January 2016

AECOM personnel collected quarterly groundwater samples on January 5-6, 2016, in accordance with the procedures outlined in the NYSDEC-approved November 2003 RDWP and the August 2010 letter. January 2016 groundwater samples were collected from monitoring wells MW-2, MW-3, MW-4, MW-6, MW-8R, MW-10, MW-11, MW-12, MW-13S, MW-13D, MW-16S, MW-16D, and the GWCT (**Figure 2**). Field forms generated during this sampling event are provided in **Appendix A**. Groundwater samples were analyzed for VOCs by TestAmerica Laboratories, Inc. (Amherst, New York) using United States Environmental Protection Agency (EPA) SW-846 Method 8260C.

Prior to the collection of groundwater samples, a complete round of groundwater levels was measured in all site wells and piezometers. **Table 2** provides a summary of groundwater elevations measured on January 5, 2016. A summary of current and historical groundwater levels and corresponding elevations and hydrographs for each monitoring well and nested piezometer pair is provided in **Appendix B**. Monitoring wells MW-2, MW-3, MW-4, MW-6, MW-8R, MW-9, MW-10, and 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). **Figure 4** provides the groundwater surface contours and the corresponding groundwater flow direction using monitoring well and deep piezometer water elevation data collected on January 5, 2016.

Groundwater elevations measured on January 5, 2016 ranged from 686.37 feet above mean sea level (AMSL) at MW-15S to 673.40 feet AMSL at MW-16D. The average groundwater surface elevation across the site was 3.48 feet lower when compared to the prior round of groundwater elevation measurements collected in October 2015. The drop in groundwater elevations may be attributable to the optimization of the GWCT; note the level of water in the GWCT manhole dropped approximately 6.5 feet. Because of the in-situ bioremediation treatment, the DPE system was not running during the January 2016 sampling event or during the 14 months prior to that event. Based on the January 2016 water level measurements, the groundwater surface beneath the site exhibits inward flow towards the GWCT. As **Figure 4** illustrates, the GWCT induces groundwater flow reversal along the western AVOX Plant 2 property boundary. This reversal in groundwater flow provides hydraulic capture of VOCs present in the overburden groundwater that might otherwise migrate off-site.

Groundwater Quality Results – January 2016

Table 3 summarizes VOC data for groundwater samples collected in January 2016 from the monitoring wells, piezometers, and GWCT. 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. 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]). Note, consistent with previous quarterly reports, the table below summarizes only monitoring wells and piezometers (GWCT results are not included).

**Groundwater Quality Results
January 2016**

VOCs Detected in Groundwater	Concentration Range (micrograms per liter)	Number of Detections	RAO/NYCRR Exceedances
Vinyl Chloride	1.5 – 76,000	9	6
Chloroethane	0.55 - 140	8	5
cis-1,2-Dichloroethene	3.0 – 290,000	7	6
1,1-Dichloroethane	2.9 – 2,500	7	5
Acetone	3.6 - 230	5	3
2-Butanone	70 – 1,100	3	3
1,1-Dichloroethene	0.3 – 1,500	3	2
Trichloroethene	41	1	1
Benzene	0.62	1	0

Nine VOCs were detected in groundwater from monitoring wells and piezometers sampled above their associated detection limit during the monitoring period. Eight of the nine 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 five of the nine samples. The occurrences of COCs were detected primarily in the vicinity of the former on-site source area, and VOC concentrations decrease significantly in the vicinity of the perimeter monitoring wells.

An electronic copy of the analytical laboratory data package for the January 2016 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 single detection of trichloroethene (TCE) [1,1,1-trichloroethane (1,1,1-TCA) was not detected] in the groundwater samples and the presence and distribution of TCE daughter products cis-1,2-dichloroethene (cis-1,2-DCE) and vinyl chloride (VC), and 1,1,1-TCA daughter products 1,1-dichloroethane (1,1-DCA) and chloroethane, provides supportive evidence that the attenuation of TCE and 1,1,1-TCA and its daughter products continues to occur on the site, via reductive dechlorination. The occurrence of these daughter products appears to be directly related to the historic distribution of TCE and 1,1,1-TCA in the subsurface. In addition, the large drop in TCE and 1,1,1-TCA concentrations between fourth quarter 2014 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+[®]) (refer to the NYSDEC-approved 2014

Injection Pilot Test Work Plan dated November 6, 2014 and NYSDEC-approved 2015 addendum to the 2014 Injection Pilot Test Work Plan dated April 28, 2015 for details of the injection program).

Historical trend plots for the wells sampled during this quarter for concentrations of TCE, cis-1,2-DCE, VC, 1,1,1-TCA, 1,1-DCA, and chloroethane are provided in **Appendix D**. As stated above, the VOC concentrations in groundwater continue to show a degradation trend 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 is considered the primary source of groundwater contamination at the site, a summary of historical and current TCE concentrations in groundwater for the nine monitoring wells and piezometers sampled in January 2016 is included in **Table 4**. 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.

During this quarterly groundwater monitoring period, and consistent with previous monitoring periods, TCE was not detected above its RAO in site perimeter monitoring wells MW-2, MW-3, MW-6, MW-10, MW-11 and MW-12.

Table 4 shows a summary of historical and current TCE concentrations. Based on the January 2016 groundwater data, there was one detection of TCE (MW-13S); this detection represents a 99.5% decrease to the baseline concentration of TCE at this location. It is important to note that the November 2014 injections were centered on MW-4 and MW-8R while the April/May 2015 injections included an expanded area which also included MW-13S/D and MW-16S/D. Overall, decreases in TCE concentrations observed since the combined DPE groundwater remediation system was installed in May 2004 indicates the system continues to reduce VOC concentrations in overburden groundwater and soil at the site.

Quarterly Combined DPE Remediation System Vapor Effluent Monitoring Activities – January 2016

AECOM personnel collected vapor effluent samples from the combined groundwater remediation system vapor discharge stacks on January 5, 2016. Note: the DPE system was not operational during this sampling event due to the injection treatment and, therefore, a vapor sample was not collected from the liquid ring pump (LRP) effluent stack. A Summa canister was used to collect the vapor sample from the permanent sample port located on the air stripper (AS) discharge stack.

Figure 3 shows the location of the vapor sample ports. The vapor sample was analyzed for VOCs using EPA Method TO-15 by TestAmerica Laboratories, Inc., Burlington, Vermont.

Combined DPE Remediation System Effluent Monitoring Results – January 2016

The system vapor effluent results are summarized in **Table 5**, and an electronic copy of the analytical laboratory data package is provided on the enclosed CD in **Appendix C** (complete hard copy available in AECOM's Buffalo, New York office). Fifteen VOCs were detected in the AS unit effluent. The total VOCs discharged were 83 micrograms per cubic meter in the AS unit effluent. The calculated VOC discharge-loading rate for the combined DPE remediation system was approximately 0.00007 pounds per hour (lb/hr), which is 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. O&M activities conducted in addition to routine O&M activities during the monitoring period included the following:

- During the week of December 7, 2015, AECOM flushed the piping between the GWCT and the AS to optimize flow rates.
- During the week of January 4, 2016, AECOM solidified hazardous waste in preparation for the 180-day transportation and disposal activity (scheduled for January 12, 2016).

The DPE remediation system was intentionally left off throughout the monitoring period due to the April/May 2015 injection treatment; the GWCT remained operational. Based on a system operational period from October 19, 2015 (fourth quarter groundwater sampling event) to January 5, 2016, the total combined DPE system runtime was 0 percent. The GWCT runtime was approximately 100% during this period. During this operational period, the estimated total volume of groundwater treated and discharged by the AS unit to the local sanitary sewer was 105,936 gallons at an average flow rate of 0.94 gallons per minute.

Summary

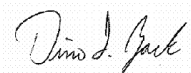
Although the DPE system was down to accommodate the April/May 2015 injection pilot test, the GWCT was fully operational during First Quarter 2016 groundwater sampling and monitoring activities that occurred on January 5-6, 2016. TCE was not detected above its RAO in site perimeter monitoring wells MW-2, MW-3, MW-6, MW-10, MW-11, and MW-12. Following the November 2014 injection pilot test and the April/May 2015 injection treatment, very significant reductions in TCE concentrations have been measured at MW-4, MW-8R, MW-13S, and MW-16S.

Based on the results of the January 2016 sampling event, the GWCT continues to maintain hydraulic capture of the overburden groundwater. In addition, the system continues to make progress towards the reduction of the concentration of VOCs present in site soil and groundwater. Vapor emissions produced by the system during the First Quarter 2016 were less than the NYSDEC discharge guidance value of 0.5 lb/hr.

The next monitoring event is scheduled for April 2016; 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,



Dino L. Zack, P.G.
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\Enclosures

cc: Stuart Rixman, GSF Management Company LLC (Electronic copy)
 Troy Chute, GSF Management Company LLC (Electronic copy)
 Jennifer Davide, AVOX Systems Inc. (Electronic Copy)
 AECOM Project 60314190 File (Electronic Copy)

TABLES

Table 1

Groundwater Monitoring Schedule - April 2016 through January 2017
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Event Date (Frequency)	Number of Locations Sampled	Locations Sampled			
April 2016 (Annual)	17	MW-2 MW-8R MW-12 MW-14D MW-16D	MW-3 MW-9 MW-13S MW-15S GWCT	MW-4 MW-10 MW-13D MW-15D	MW-6 MW-11 MW-14S MW-16S
July 2016 (Quarterly)	10	MW-2 MW-8R MW-13S	MW-3 MW-10 MW-13D	MW-4 MW-11 MW-16S	MW-6 MW-12 MW-16D
October 2016 (Quarterly)	10	MW-2 MW-8R MW-13S	MW-3 MW-10 MW-13D	MW-4 MW-11 MW-16S	MW-6 MW-12 MW-16D
January 2017 (Quarterly)	10	MW-2 MW-8R MW-13S	MW-3 MW-10 MW-13D	MW-4 MW-11 MW-16S	MW-6 MW-12 MW-16D

Notes:

Groundwater monitoring schedule revised per NYSDEC-approved addendum to the 2014 Injection Pilot Test Work Plan (AECOM, April 28, 2015).

Table 2

Quarterly Groundwater Monitoring Water Level Data - January 5, 2016
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	690.35	6.41	683.94
MW-3	687.02	9.01	678.01
MW-4	686.42	9.92	676.50
MW-6	686.53	8.41	678.12
MW-8R	686.21	8.95	677.26
MW-9	688.64	12.09	676.55
MW-10	687.41	7.89	679.52
MW-11	688.65	12.53	676.12
MW-12	686.15	3.94	682.21
Nested Piezometers			
MW-13S	686.60	5.90	680.70
MW-13D	686.73	10.31	676.42
MW-14S	685.70	3.92	681.78
MW-14D	685.82	11.70	674.12
MW-15S	687.52	1.15	686.37
MW-15D	687.62	13.65	673.97
MW-16S	686.40	7.05	679.35
MW-16D	686.40	13.00	673.40
Remedial System			
GWCT Manhole (rim)	687.19	19.00	668.19

Notes:

TOC - Top of Casing

AMSL - Above Mean Sea Level

Table 3

**Summary of January 2016 Analytical Data
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID	Groundwater	MW-2	MW-3	MW-4	MW-6	MW-8R	MW-10	MW-11	MW-12	MW-13S
Date Collected	RAO/ NYCRR	01/05/16	01/06/16	01/06/16	01/06/16	01/06/16	01/06/16	01/05/16	01/06/16	01/06/16
Lab Sample ID	Objective	480-93630-1	480-93630-2	480-93630-3	480-93630-4	480-93630-13	480-93630-5	480-93630-6	480-93630-7	480-93630-12
Volatile Organic Compounds by Method 8260 (µg/L)										
1,1-Dichloroethane (1,1-DCA)	5*	1.0 U	9.5	270	1.0 U	1,000 U	1.0 U	2.9	1.0 U	70
1,1-Dichloroethene (1,1-DCE)	5	1.0 U	1.0 U	100 U	1.0 U	1,000 U	1.0 U	0.3 J	1.0 U	9.1 J
2-Butanone (MEK)	50	10 U	10 U	1,000 U	10 U	10,000 U	10 U	10 U	10 U	160 J
Acetone	50	5.6 J	10 U	1,000 U	10 U	10,000 U	10 U	10 U	3.6 J	120 J
Benzene	1	1.0 U	1.0 U	100 U	10 U	1,000 U	1.0 U	1.0 U	0.62 J	25 U
Chloroethane	5*	0.55 J	0.83 J	41 J	1.0 U	1,000 U	1.0 U	0.89 J	9.0	38
cis-1,2-Dichloroethene (cis-1,2-DCE)	5*	1.0 U	3.0	100	1.0 U	21,000	1.0 U	10	1.0 U	150
Toluene	5*	1.0 U	1.0 U	100 U	1.0 U	1,000 U	1.0 U	1.0 U	1.0 U	25 U
Trichloroethene (TCE)	5*	1.0 U	1.0 U	100 U	1.0 U	1,000 U	1.0 U	1.0 U	1.0 U	41
Vinyl chloride (VC)	5*	1.0 U	4.2	6,800	1.0 U	12,000	1.0 U	3.6	1.5	1,600
Total Volatile Organic Compounds	NA	6.2	17.5	8,211	0.0	33,000	0.0	17.7	14.7	2,188

Table 3

**Summary of January 2016 Analytical Data
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID	Groundwater	MW-13D	MW-16S	MW-16D	GWCT Manhole
Date Collected	RAO/ NYCRR	01/06/16	01/06/16	01/06/16	01/06/16
Lab Sample ID	Objective	480-93630-14	480-93630-10	480-93630-11	480-93630-15
Volatile Organic Compounds by Method 8260 (µg/L)					
1,1-Dichloroethane (1,1-DCA)	5*	12	2,500 J	2.9 J	1.0 U
1,1-Dichloroethene (1,1-DCE)	5	10 U	1,500 J	5 U	1.0 U
2-Butanone (MEK)	50	1,100	40,000 U	70	10 U
Acetone	50	230 J	40,000 U	84	10 U
Benzene	1	10 U	4,000 U	5 U	1.0 U
Chloroethane	5*	38	4,000 U	140	62
cis-1,2-Dichloroethene (cis-1,2-DCE)	5*	15	290,000	5 U	1.0 U
Toluene	5*	10 U	4,000 U	5 U	0.99 J
Trichloroethene (TCE)	5*	10 U	4,000 U	5 U	1.0 U
Vinyl chloride (VC)	5*	47	76,000	9.2	1.0 U
Total Volatile Organic Compounds	NA	1,442	370,000	303.2	63.0

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 within this range are estimated.

U - Not detected at or above reporting limit.

Table 4

Summary of Historical and Current Trichloroethene Concentrations - January 2016
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Well ID	TCE Concentration (µg/L)																			
	Apr 2003 ¹	Apr 2004 ²	Oct 2004 ^{3,4}	Jan 2005 ⁴	Apr 2005 ^{4,5}	Jul 2005 ⁴	Oct 2005 ⁴	Jan 2006 ⁴	Apr 2006 ⁴	Jul 2006 ⁴	Oct 2006 ⁴	Jan 2007 ⁴	Apr 2007 ⁴	Jul 2007 ⁴	Oct 2007 ⁴	Jan 2008 ⁴	Apr 2008 ⁴	Jul 2008 ⁴	Oct 2008 ⁴	Jan 2009 ⁴
MW-2	<1	NS	NS	NS	<10	NS	NS	<25	<25	<25	<5	<5	<20	<5	<5	<5	<5	<5	<5	<5
MW-3	<1	NS	NS	NS	<10	NS	NS	<25	<25	<25	<5	<5	<20	<5	5	<5	<5	<5	<5	<5
MW-4	249	NS	8,100	20,000	NS	NS	NS	6,500	3,200	2,400	2,600	2,800	4,900	1,100	4,800	9,200	5,800	500	6,300	19,000
MW-6	<1	NS	<10	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	0.63	<5	<5	<5	<5	<5
MW-8R	NA	NS	35,000	23,000	15,000	9,200	13,000	42,000	14,000	16,000	13,000	1,600	19,000	29,000	2,200	38,000	12,000	7,400	22,000	8,400
MW-10	<1	NS	NS	NS	<10	NS	NS	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW- 11	NA	NS	NS	NS	<10	NS	NS	2.2	<20	<20	6.8	2.6	0.89	<5	0.71	1.1	0.49	1	0.81	0.77
MW-12	NA	NS	13	<10	<10	<5	<5	<25	<25	<25	NS	<5	<20	<5	<5	<5	<5	<5	<5	NS
MW-13S	NA	10,000	2,100	10,000	760	870	410	NS	NS	17,000	1,300	1,700	4,400	220	570	1,800	580	1,800	5,800	3,400
MW-16S	NA	860,000	200,000	420,000	400,000	480,000	440,000	470,000	260,000	310,000	77,000	44,000	94,000	86,000	130,000	67,000	76,000	58,000	63,000	92,000

Notes:

ND - Not Detected

NS - Not sampled

DPE Remediation System started on May 14, 2004.

¹ - Considered baseline sampling event for MW-2, MW-3, MW-6, and MW-10.² - Considered baseline sampling event for MW-13S and MW-16S.³ - Considered baseline sampling event for MW-4, MW-8R, and MW-12.⁴ - DPE system operational.⁵ - Considered baseline sampling event for MW-11 (TCE = 10 µg/L).⁶ - TCE concentration appears to be an anomaly; sample was re-analyzed at 330 µg/L.⁷ - DPE system off-line.⁸ - MW-4 and MW-12 not accessible due to snow cover.⁹ - MW-12 not accessible due to snow cover.

Table 4

Summary of Historical and Current Trichloroethene Concentrations - January 2016
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Well ID	TCE Concentration (µg/L)																			
	Apr 2009 ⁴	Jul 2009 ⁴	Oct 2009 ⁴	Jan 2010 ⁴	Apr 2010 ⁴	Jul 2010 ⁴	Oct 2010 ⁴	Jan 2011 ⁴	Apr 2011 ⁴	Jul 2011 ⁷	Oct 2011 ⁷	Jan 2012 ⁴	Apr 2012 ⁴	Jul 2012 ⁴	Oct 2012 ⁴	Jan 2013 ⁴	Apr 2013 ⁴	Jul 2013 ⁴	Oct 2013 ⁷	Jan 2014 ⁸
MW-2	<5	<5	<5	<25	<25	<25	350 ⁵	<1	<1	<1	<1	<1	<1	<1	<1	0.89	<1	<1	<1	<1
MW-3	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	0.98	<1	<1	<1	<1
MW-4	4,100	2,300	NS	7,400	3,000	NS	7,800	NS	13,000	NS	17,000	NS	39,000	15,000	NS	40,000	12,000	14,000	NS	NS
MW-6	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-8R	13,000	NS	1,400	NS	2,500	19,000	NS	99,000	89,000	36,000	33,000	99,000	99,000	NS	89,000	NS	64,000	NS	100,000	NS
MW-10	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-11	0.95	0.69	0.97	0.77	0.95	1	0.8	NS	1.2	<1	<1	<1	0.51	<1	<1	<1	<1	0.46	<1	<1
MW-12	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NS
MW-13S	3,400	NS	400	NS	1,400	400	NS	39,000	40,000	31,000	NS	53,000	39,000	NS	41,000	NS	40,000	NS	49,000	NS
MW-16S	130,000	87,000	NS	22,000	220,000	NS	300,000	NS	250,000	NS	190,000	NS	250,000	170,000	NS	240,000	230,000	120,000	NS	110,000

Notes:

ND - Not Detected

NS - Not Sampled

DPE Remediation System started on May 14, 2004.

¹ - Considered baseline sampling event for MW-2, MW-3, MW-6, and MW-10.² - Considered baseline sampling event for MW-13S and MW-16S.³ - Considered baseline sampling event for MW-4, MW-8R, and MW-12.⁴ - DPE system operational.⁵ - Considered baseline sampling event for MW-11 (TCE = 10 µg/L).⁶ - TCE concentration appears to be an anomaly; sample was re-analyzed at 330 µg/L.⁷ - DPE system off-line.⁸ - MW-4 and MW-12 not accessible due to snow cover.⁹ - MW-12 not accessible due to snow cover.

Table 4

Summary of Historical and Current Trichloroethene Concentrations - January 2016
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Well ID	TCE Concentration (µg/L)								TCE Reduction - Previous Sampling	TCE Reduction - Baseline Sampling
	Apr 2014 ⁴	Jul 2014 ⁴	Oct 2014 ⁷	Jan 2015 ^{7,9}	Apr 2015 ⁷	Jul 2015 ⁷	Oct 2015 ⁷	Jan 2016 ⁷		
MW-2	<1	<1	ND	ND	<5	<1	<1	<1	ND	ND
MW-3	<1	<1	ND	ND	<1	<1	<1	<1	ND	ND
MW-4	32,000	NS	32,000	18,000	110	<100	<100	<100	ND	ND
MW-6	<1	<1	ND	ND	<1	<1	<1	<1	ND	ND
MW-8R	100,000	110,000	NS	2,100	<2,000	200	<25	<1,000	ND	ND
MW-10	<1	<1	ND	ND	<1	<1	<1	<1	ND	ND
MW-11	<1	<1	ND	ND	<1	<1	<1	<1	ND	ND
MW-12	<1	<1	ND	NS	<1	<1	<1	<1	ND	ND
MW-13S	32,000	33,000	NS	19,000	31,000	<500	<10	41	increase	99.60%
MW-16S	61,000	NS	170,000	160,000	26,000	5,100	<4,000	<4,000	ND	ND

Notes:

ND - Not Detected

NS - Not Sampled

DPE Remediation System started on May 14, 2004.

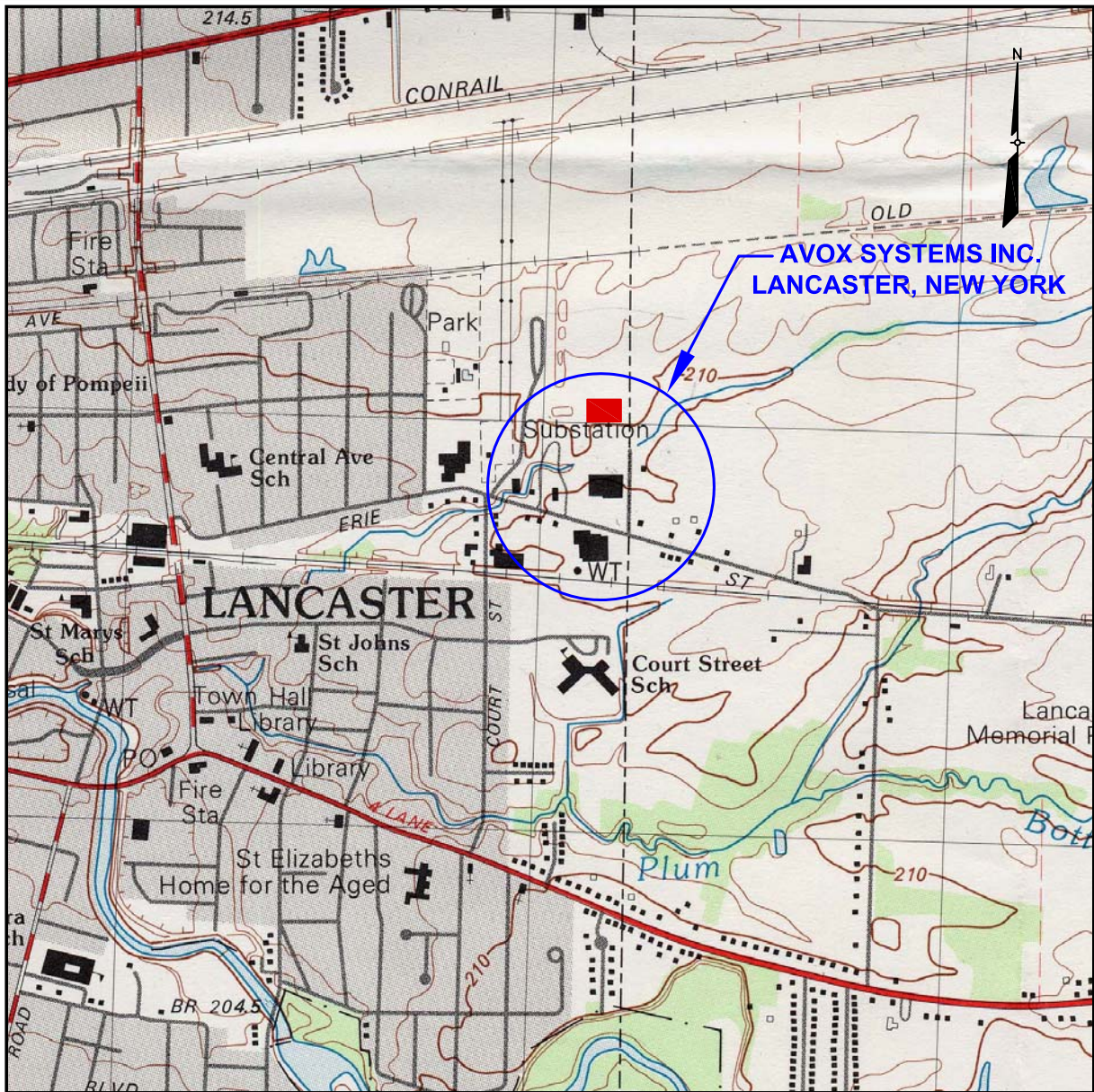
¹ - Considered baseline sampling event for MW-2, MW-3, MW-6, and MW-10.² - Considered baseline sampling event for MW-13S and MW-16S.³ - Considered baseline sampling event for MW-4, MW-8R, and MW-12.⁴ - DPE system operational.⁵ - Considered baseline sampling event for MW-11 (TCE = 10 µg/L).⁶ - TCE concentration appears to be an anomaly; sample was re-analyzed at 330 µg/L.⁷ - DPE system off-line.⁸ - MW-4 and MW-12 not accessible due to snow cover.⁹ - MW-12 not accessible due to snow cover.

Table 5

Vapor Monitoring Results - January 2016
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

	Sample ID: Sample Date:	LRP Effluent* Not Sampled	AS Effluent 1/5/2016
<u>VOCs by Method TO-15 ($\mu\text{g}/\text{m}^3$)</u>			
1,2,4-Trimethylbenzene		-	1.7
1,2-Dichloroethene, Total		-	1.7
Benzene		-	1
Chloroethane		-	54
Chloromethane		-	1.5
Dichlorodifluoromethane		-	2.5
Ethylbenzene		-	0.90
m,p-Xylene		-	3
Methyl Ethyl Ketone		-	2
n-Heptane		-	0.82
n-Hexane		-	2
Toluene		-	3.8
Tetrachloroethene		-	2.6
Trichlorofluoromethane		-	1.2
Xylene (total)		-	4.2
Total Detected VOCs ($\mu\text{g}/\text{m}^3$)		-	83
Vacuum (inches Hg)		-	4.0
Air Flow Rate (acfm)		-	210
VOC discharge loading (lb/hr)		-	0.00007
Total VOC discharge loading (lb/hr)			0.00007
Notes: * The LRP was not running during sampling event on January 5, 2016. The air stripper vacuum measured on January 5, 2016 was 4.0 inches H ₂ O and the flow rate was 210 scfm. 1. $\mu\text{g}/\text{m}^3$ = 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).			

FIGURES



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

LEGEND

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

0 1000 2000
SCALE IN FEET

AECOM

**FIGURE 1
SITE LOCATION MAP**

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

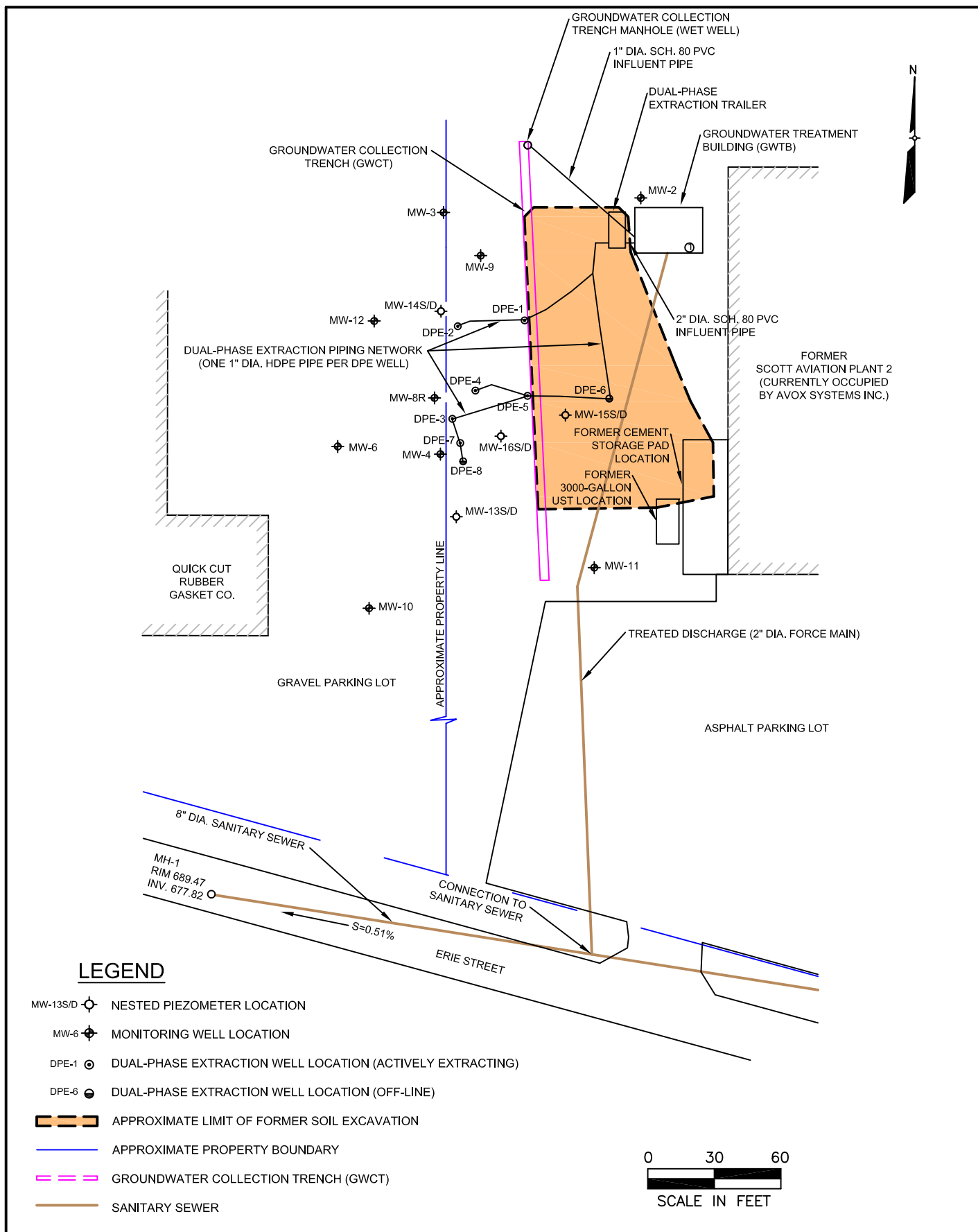
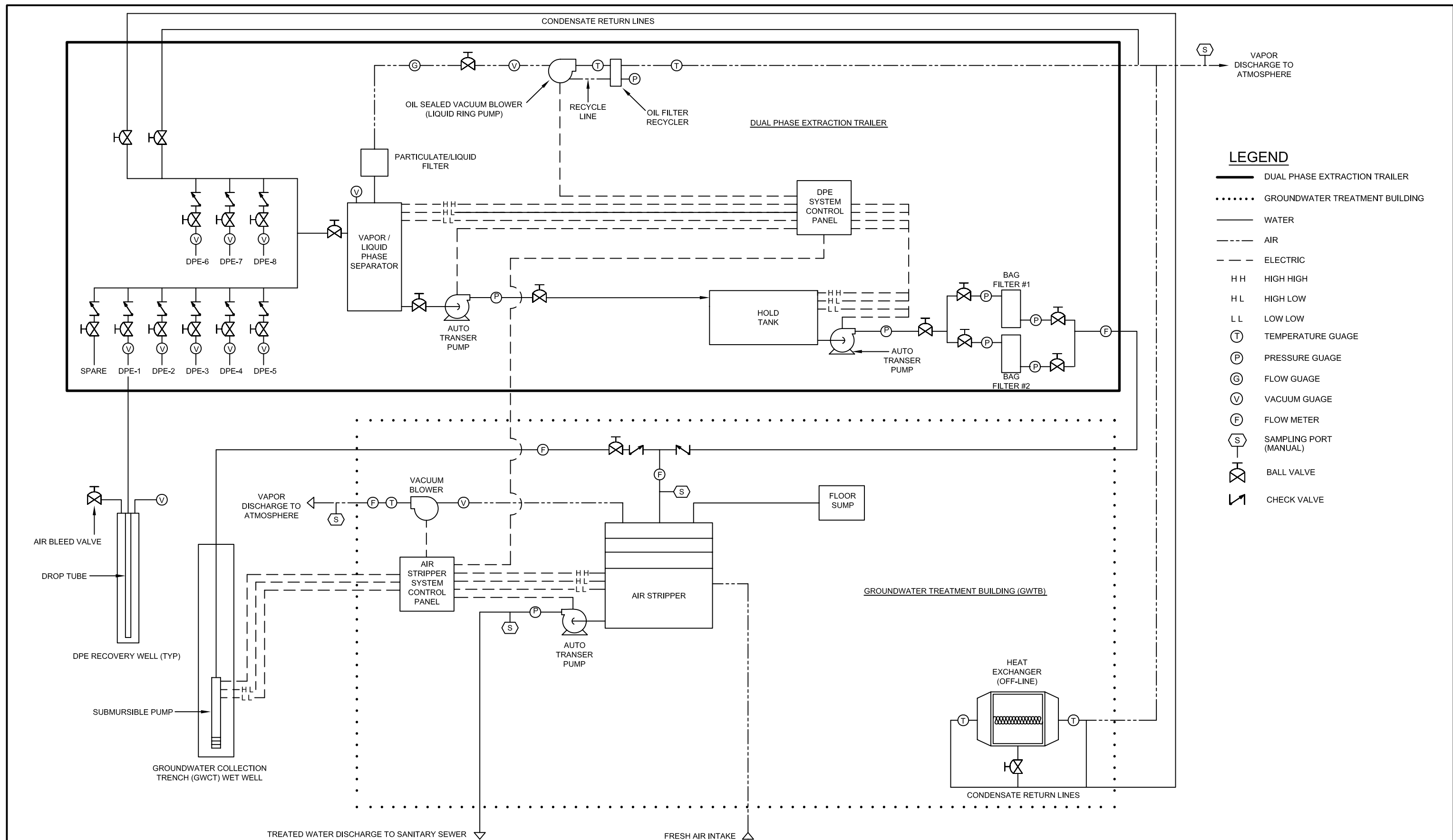


FIGURE 2
SITE FEATURES MAP

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



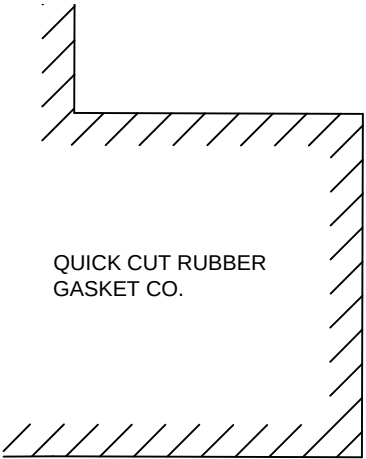
AECOM

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

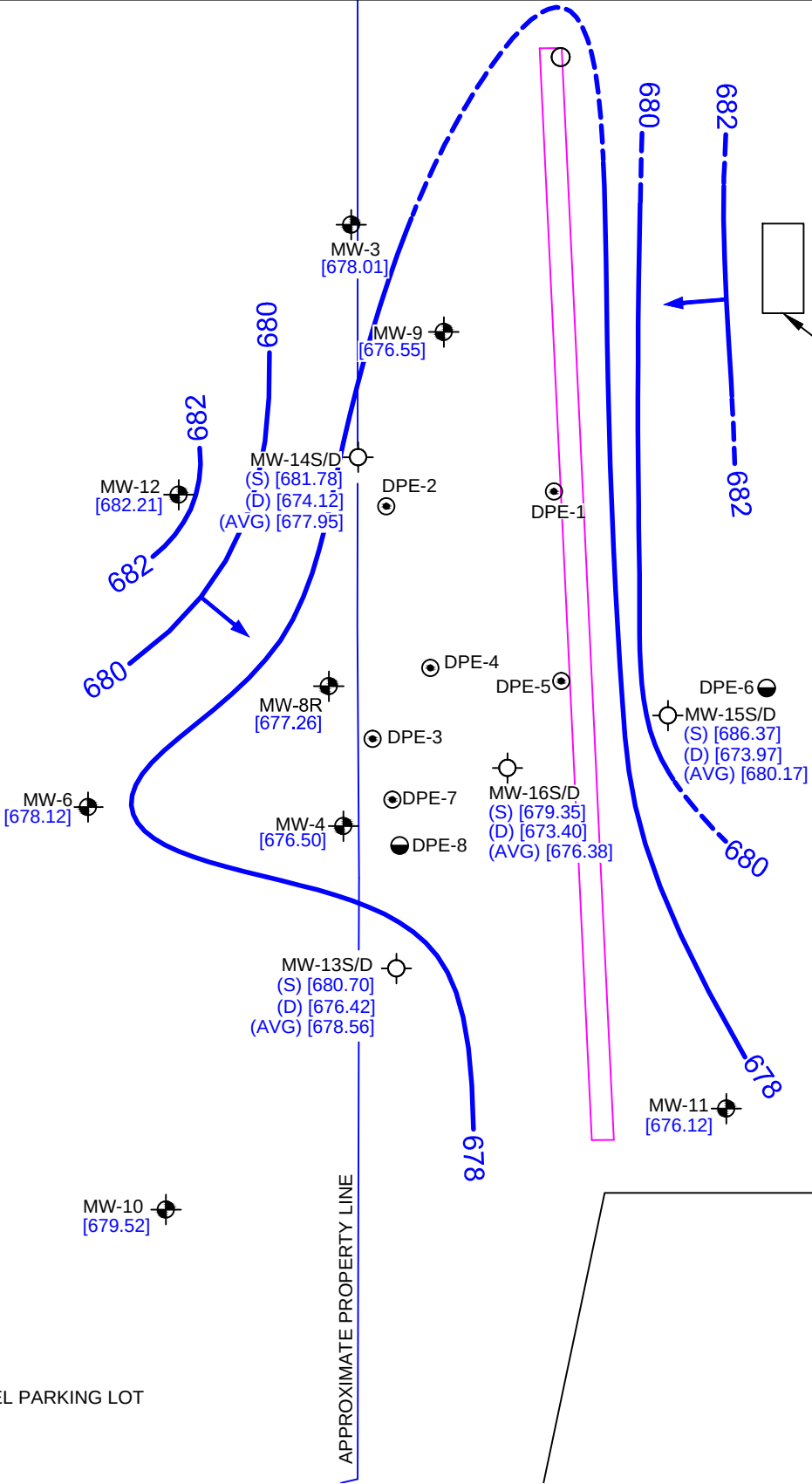
Quarterly Groundwater Monitoring Water Level Data - January 5, 2016
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	690.35	6.41	683.94
MW-3	687.02	9.01	678.01
MW-4	686.42	9.92	676.50
MW-6	686.53	8.41	678.12
MW-8R	686.21	8.95	677.26
MW-9	688.64	12.09	676.55
MW-10	687.41	7.89	679.52
MW-11	688.65	12.53	676.12
MW-12	686.15	3.94	682.21
Nested Piezometers			
MW-13S	686.60	5.90	680.70
MW-13D	686.73	10.31	676.42
MW-14S	685.70	3.92	681.78
MW-14D	685.82	11.70	674.12
MW-15S	687.52	1.15	686.37
MW-15D	687.62	13.65	673.97
MW-16S	686.40	7.05	679.35
MW-16D	686.40	13.00	673.40
Remedial System			
GWCT Manhole (rim)	687.19	19.00	668.19

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level



GRAVEL PARKING LOT



LEGEND

- MW-13S/D NESTED PIEZOMETER LOCATION
- MW-9 MONITORING WELL LOCATION
- DPE-1 DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
- DPE-6 DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- [676.50] GROUNDWATER SURFACE ELEVATION IN FEET MSL
- ESTIMATED GROUNDWATER SURFACE CONTOUR IN FEET MSL (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- (S) SHALLOW PIEZOMETER
- (D) DEEP PIEZOMETER
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY

NOTES

- GROUNDWATER ELEVATIONS WERE AVERAGED AT SHALLOW AND DEEP PIEZOMETER PAIR LOCATIONS (e.g. MW-15S/D) TO COMPARE TO ELEVATIONS MEASURED IN WELLS SCREENED ACROSS THE ENTIRE OVERBURDEN THICKNESS.
- GROUNDWATER WATER LEVELS WERE COLLECTED ON JANUARY 5, 2016.



FIGURE 4
GROUNDWATER SURFACE CONTOUR MAP
JANUARY 2016
AVERAGE OVERBURDEN GROUNDWATER ELEVATIONS
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



APPENDIX A

Field Forms



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) <u>1/5/2016</u>	Casing Diameter <u>2</u> inches	
Field Personnel <u>DLZ/MK</u>	Casing Material <u>PVC</u>	
Site Name <u>Former Scott Aviation Site - Lancaster, NY</u>	Measuring Point Elevation <u>690.35</u>	1/100 ft
AECOM Job # <u>60314190</u>	Height of Riser (above land surface) <u>NA</u>	1/100 ft
Well ID # <u>MW-2</u>	Land Surface Elevation <u>NA</u>	1/100 ft
☐ Upgradient ☐ Downgradient	Screened Interval (below land surface) <u>7-17</u>	1/100 ft
Weather Conditions <u>Cloudy, light snow and wind</u>		
Air Temperature <u>5</u> ° F		
Total Depth (TWD) Below Top of Casing = <u>16.4</u>		1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = <u>6.25</u>		1/100 ft
Length of Water Column (LWC) = TWD - DGW = <u>10.15</u>		1/100 ft
1 Casing Volume (OCV) = LWC x <u>0.163</u> = <u>1.7</u> gal		
3 Casing Volumes = _____ 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>8</u> liter		

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

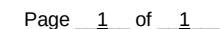
FIELD ANALYSES

	200	200	200	200	200	200	200	200
Flow Rate (ml/min)	200	200	200	200	200	200	200	200
Time (Military)	14:35	14:40	14:45	14:50	14:55	15:00	15:05	15:10
Depth to Groundwater Below Top of Casing (ft)	8.45	9.13	9.93	10.64	11.3	11.96	12.63	13.24
Drawdown (ft)	-2.2	-0.68	-0.8	-0.71	-0.66	-0.66	-0.67	-0.61
pH (S.U.)	6.65	6.59	6.59	6.60	6.62	6.66	6.67	6.67
Sp. Cond. (mS/cm)	2	2	2	2	2	2	2	1.727
Turbidity (NTUs)	na	na	na	na	na	na	na	na
Dissolved Oxygen (mg/L)	1.60	0.97	0.75	0.68	0.43	0.37	0.34	0.32
Water Temperature (°C)	10.49	10.28	9.94	10.45	10.54	10.64	10.91	11.25
ORP (mV)	na	na	na	-52.5	-48.3	-46.9	-44.3	-49.0

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 Start purge at 14:30 hrs / Sample at 15:40 hrs.

71149\Admin\Project Management\Appendix A - 1Q16 field forms



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) 1/6/2016
Field Personnel DLZ/MK/ET
Site Name Former Scott Aviation Site - Lancaster, NY
AECOM Job # 60314190
Well ID # MW-6

Casing Diameter 2 inches
Casing Material PVC
Measuring Point Elevation 686.53 1/100 ft
Height of Riser (above land surface) -0.27 1/100 ft
Land Surface Elevation 686.8 1/100 ft
Screened Interval (below land surface) 14.5-24.5 1/100 ft

Upgradient Downgradient
Weather Conditions sun and clouds

Air Temperature 10 ° F

Total Depth (TWD) Below Top of Casing = 25 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 8.96 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 16.04 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = 2.6 gal

3 Casing Volumes = 7.8 gal

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 7 liter

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)	300	200	200	200	200	200	
Time (Military)	8:50	8:55	9:00	9:05	9:10	9:15	9:20
Depth to Groundwater Below Top of Casing (ft)	11.12	11.45	11.66	11.87	12.03	12.18	12.30
Drawdown (ft)	-2.16	-0.33	-0.21	-0.21	-0.16	-0.15	-0.12
pH (S.U.)	9.75	9.83	8.75	8.01	7.86	7.8	7.69
Sp. Cond. (mS/cm)	1	1	1	1	1	1	1
Turbidity (NTUs)	25.4	22.7	14.7	14.1	9.66	5.48	3.08
Dissolved Oxygen (mg/L)	8.41	8.55	7.02	2.10	1.60	1.49	1.28
Water Temperature (°C)	10.45	10.06	10.26	10.29	10.54	10.68	10.77
ORP (mV)	20.5	34.4	40.2	-4.5	-33.4	-53.2	-65.6

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 Start purge at 08:45 hrs / Sample at 09:20 hrs.



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) 1/6/2016
Field Personnel DLZ/MK/ET
Site Name Former Scott Aviation Site - Lancaster, NY
AECOM Job # 60314190
Well ID # MW-10

 Upgradient Downgradient

Weather Conditions sun and clouds

Air Temperature ° F

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

Depth to Groundwater (DGW) Below Top of Casing = 9.03 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 14.97 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = 2.4 gal

3 Casing Volumes = gal

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 7 liter

Casing Diameter 2 inches

Casing Material PVC

Measuring Point Elevation 687.41 1/100 ft

Height of Riser (above land surface) -0.19 1/100 ft

Land Surface Elevation 687.6 1/100 ft

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

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

FIELD ANALYSES

Flow Rate (ml/min)	300	200	200	200	200	200	
Time (Military)	9:38	9:43	9:48	9:53	9:58	10:03	10:08
Depth to Groundwater Below Top of Casing (ft)	9.91	10.04	10.34	10.52	10.74	10.96	11.18
Drawdown (ft)	-0.88	-0.13	-0.30	-0.18	-0.22	-0.22	-0.22
pH (S.U.)	7.06	7.01	6.95	6.93	6.91	6.91	6.9
Sp. Cond. (mS/cm)	2	2	2	2	2	2	2
Turbidity (NTUs)	10.9	14.1	12.0	10.85	8.79	11.6	10.28
Dissolved Oxygen (mg/L)	0.79	0.71	0.66	0.60	0.58	0.37	0.41
Water Temperature (°C)	10.63	10.19	10.23	10.23	10.27	10.46	10.56
ORP (mV)	31.1	34.6	39.0	40.8	42.1	43.0	45.4

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 Start purge at 09:33 hrs / Sample at 10:08 hrs / Duplicate collected (listed sample time at 07:00 hrs).



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) 1/6/2016
Field Personnel DLZ/MK/ET
Site Name Former Scott Aviation Site - Lancaster, NY
AECOM Job # 60314190
Well ID # MW-12

Casing Diameter 4 inches
Casing Material PVC
Measuring Point Elevation 686.15 1/100 ft
Height of Riser (above land surface) -0.35 1/100 ft
Land Surface Elevation 686.5 1/100 ft
Screened Interval (below land surface) 7-27 1/100 ft

Upgradient Downgradient
Weather Conditions sun and clouds

Air Temperature 15 ° F

Total Depth (TWD) Below Top of Casing = 27.5 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 5.78 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 21.72 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = 3.5 gal

3 Casing Volumes = gal

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 6 liter

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

FIELD ANALYSES

Flow Rate (ml/min)	200	200	200	200	200	200		
Time (Military)	10:35	10:40	10:45	10:50	10:55	11:00		
Depth to Groundwater Below Top of Casing (ft)	6.90	7.40	7.49	7.71	8.50	8.64		
Drawdown (ft)	-1.12	-0.50	-0.09	-0.22	-0.79	-0.14		
pH (S.U.)	6.80	6.80	6.80	6.80	6.80	6.79		
Sp. Cond. (mS/cm)	1.601	1.604	1.600	1.604	1.604	1.559		
Turbidity (NTUs)	4.00	2.70	2.88	3.56	3.95	9.21		
Dissolved Oxygen (mg/L)	0.83	0.42	0.34	0.29	0.24	0.24		
Water Temperature (°C)	9.91	10.21	10.62	10.62	10.52	10.18		
ORP (mV)	-61.5	-75.3	-78.8	-70.6	-66.1	-70.5		

Physical appearance at start Color Clear
Odor No

Physical appearance at sampling Color Clear
Odor No

Sheen/Free Product No

Sheen/Free Product No

COMMENTS/OBSERVATIONS Start purge at 10:30 hrs / Sample at 11:00 hrs.



GROUNDWATER SAMPLING LOG

Page 1 of 1

Date (mo/day/yr) 1/6/2016
Field Personnel DLZ/MK/ET
Site Name Former Scott Aviation Site - Lancaster, NY
AECOM Job # 60314190
Well ID # MW-16S

Casing Diameter 1 inches
Casing Material PVC
Measuring Point Elevation 690.37 1/100 ft
Height of Riser (above land surface) 3.97 1/100 ft
Land Surface Elevation 686.4 1/100 ft
Screened Interval (below land surface) 12 - 18 1/100 ft

Upgradient Downgradient
Weather Conditions sun and clouds

Air Temperature 20 ° F

Total Depth (TWD) Below Top of Casing = 15.4 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 7.59 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 7.81 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = 1.3 liter

3 Casing Volumes = liter

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 0 liter

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

FIELD ANALYSES

Flow Rate (ml/min)	NA						
Time (Military)	14:35						
Depth to Groundwater Below Top of Casing (ft)	12.72						
Drawdown (ft)	-5.13						
pH (S.U.)	6.71						
Sp. Cond. (mS/cm)	3.616						
Turbidity (NTUs)	18.1						
Dissolved Oxygen (mg/L)	0.56						
Water Temperature (°C)	9.23						
ORP (mV)	-118.5						

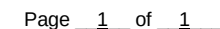
Physical appearance at start Color Cloudy
Odor Slight

Physical appearance at sampling Color Cloudy
Odor Slight

Sheen/Free Product No

Sheen/Free Product No

COMMENTS/OBSERVATIONS Start purge at 14:30 hrs / Sample at 15:08 hrs. Well went dry 4:47 hrs, let recharge and collected sample. Note Bio-trap in well (tubing could not pass trap).

71149\Admin\Project Management\Appendix A - 1Q16 field forms



APPENDIX B

Summary of Groundwater Elevations

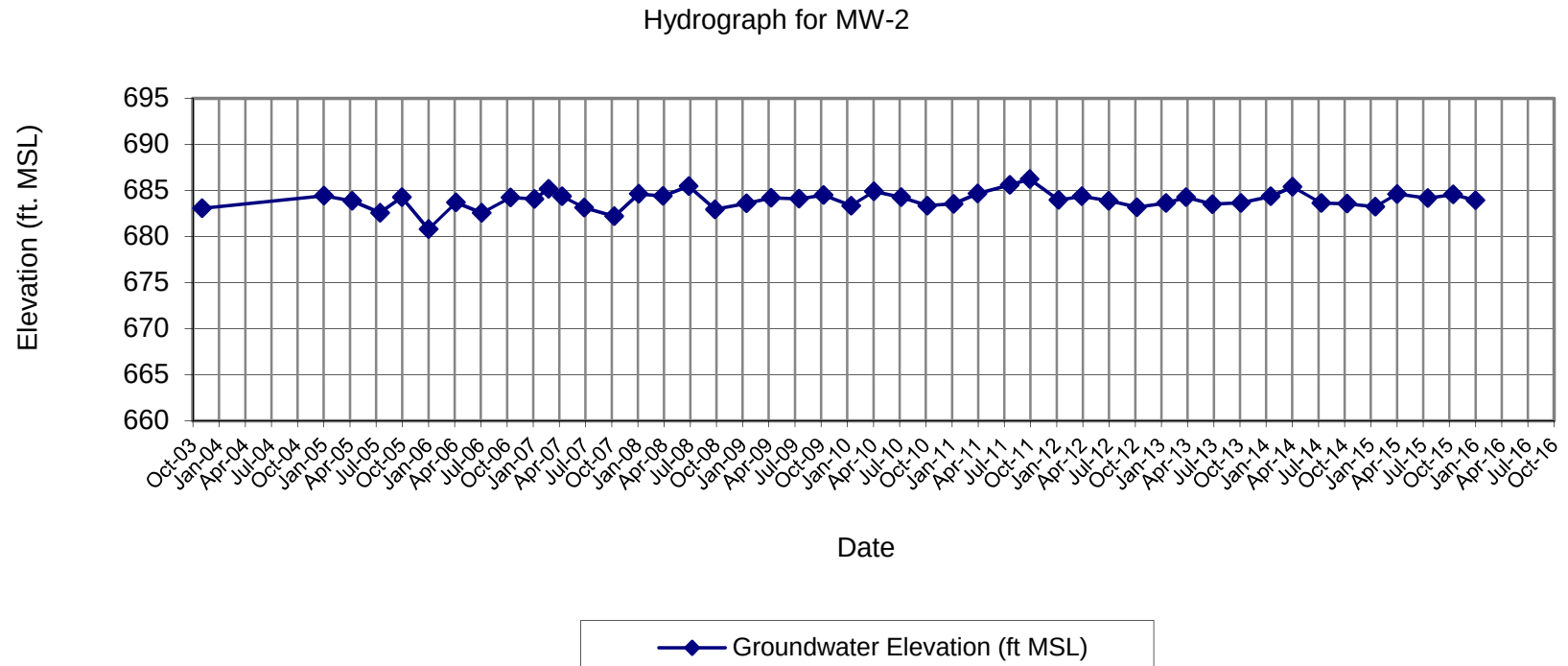
MONITORING WELL MW-2
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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

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 down on 2/28/07
DPE down on 1/8/08 and 10/9/13
TOC Elevation as of 6/13/08 - 690.35

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 687.72

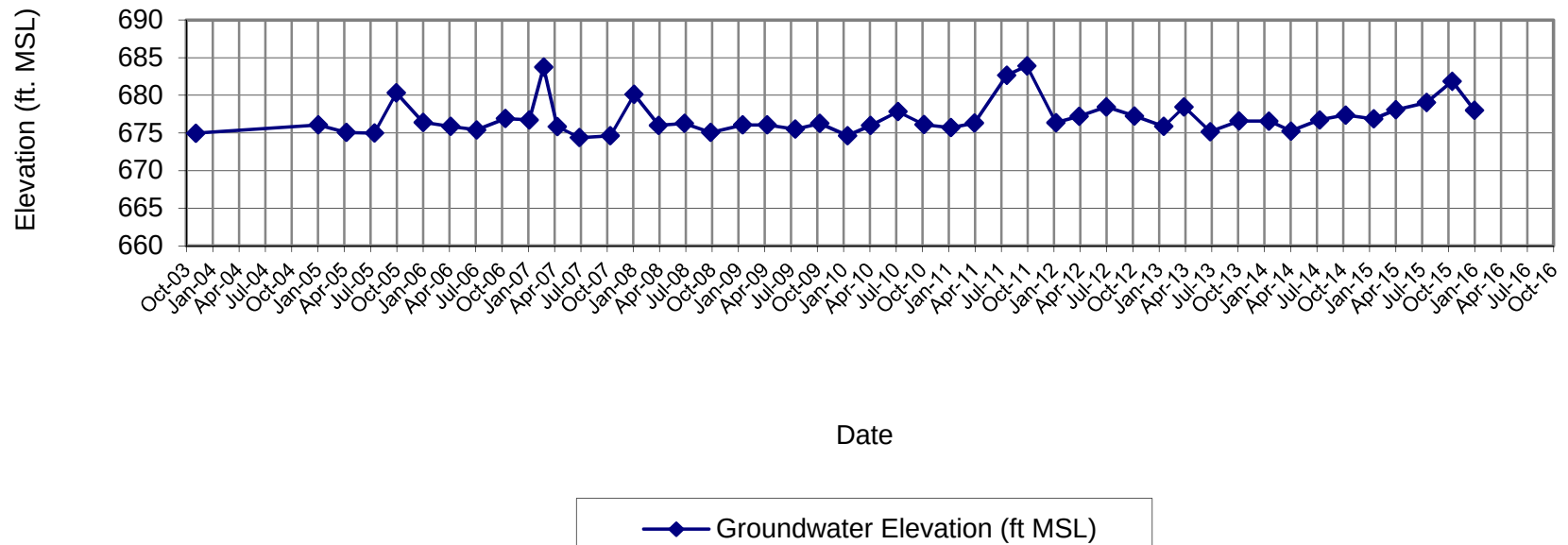
DPE and GWCT down on 2/28/07

DPE down on 1/8/08 and 10/9/13

TOC Elevation as of 6/13/08 - 687.02

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

Hydrograph for MW-3



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

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.64

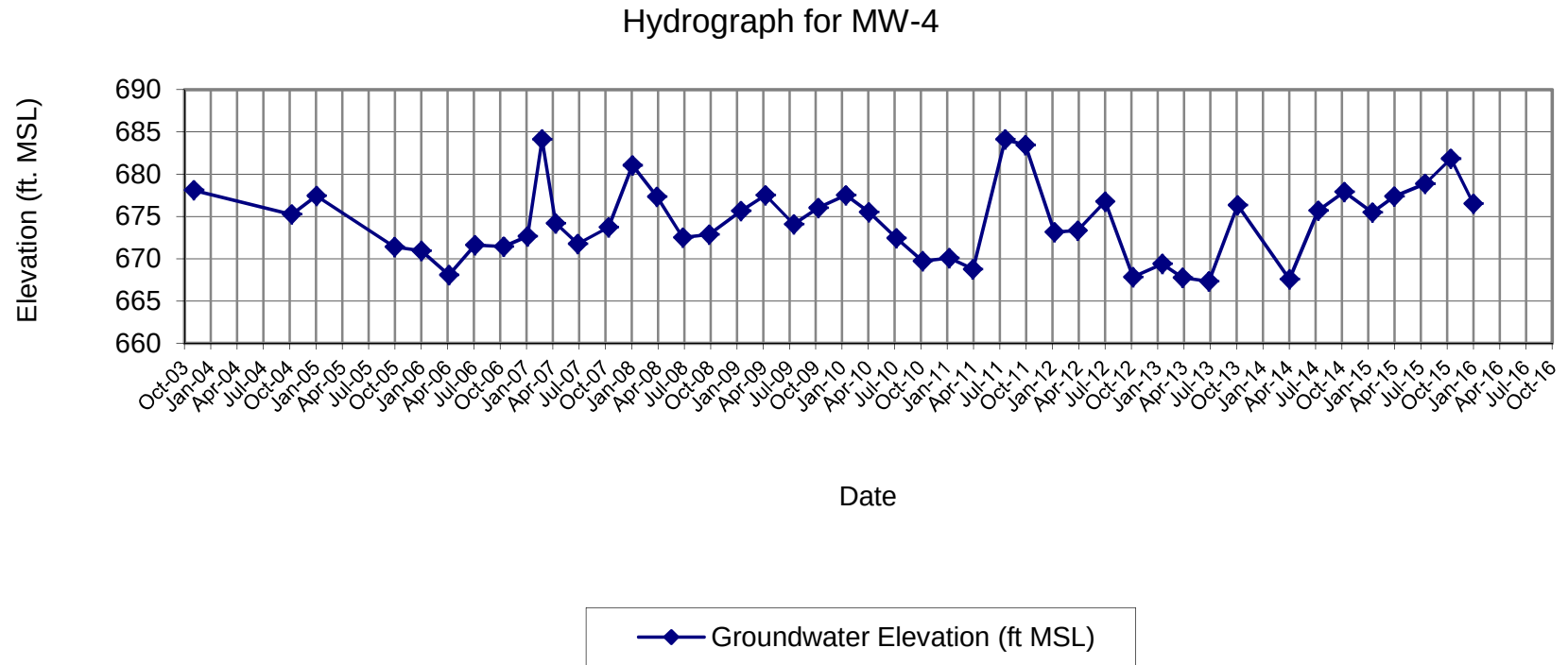
DPE and GWCT down on 2/28/07

DPE down on 1/8/08 and 10/9/13

TOC Elevation as of 6/13/08 - 686.42

NM* - Well could not be accessed due to snow cover

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

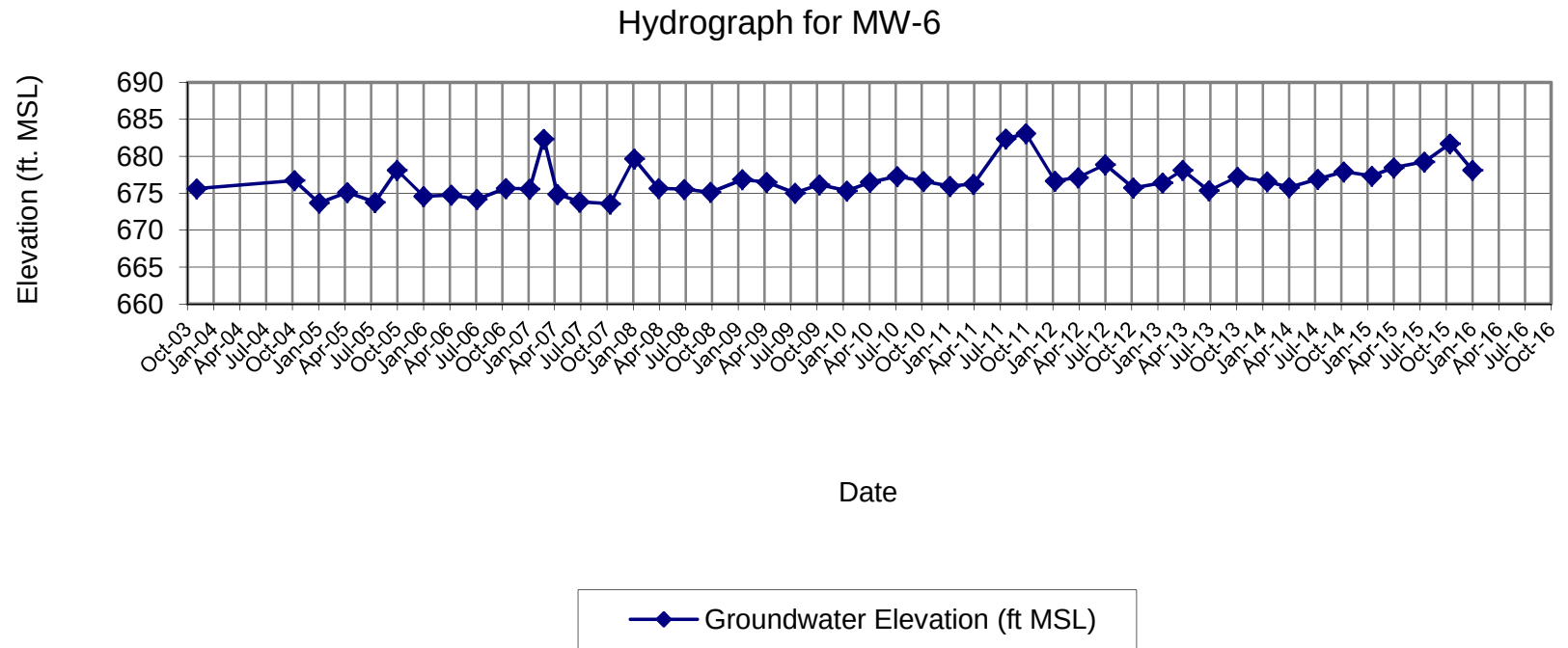
TOC Elevation - 686.68

DPE and GWCT down on 2/28/07

DPE down on 1/8/08 and 10/9/13

TOC Elevation as of 6/13/08 - 686.53

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.67

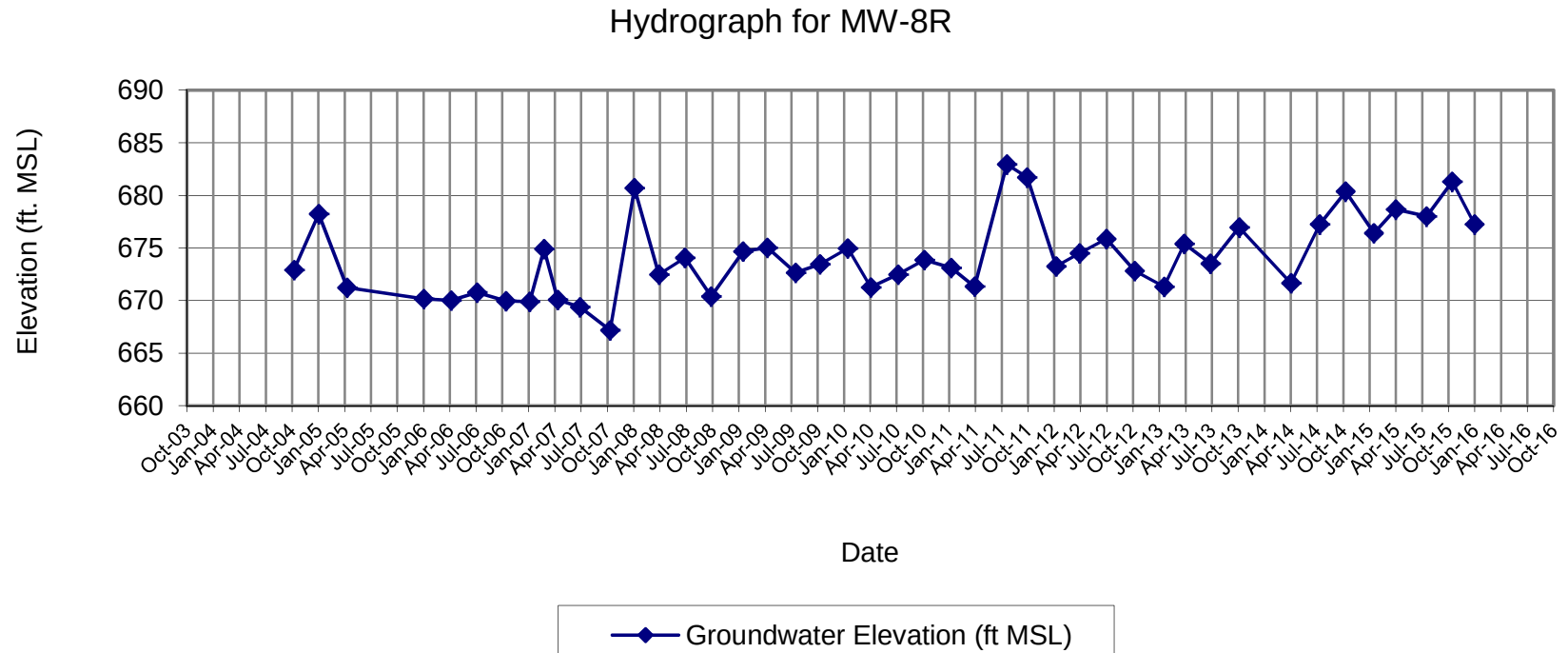
DPE and GWCT down on 2/28/07

DPE down on 1/8/08 and 10/9/13

TOC Elevation as of 6/13/08 - 686.21

NM* - Well could not be accessed due to snow cover

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

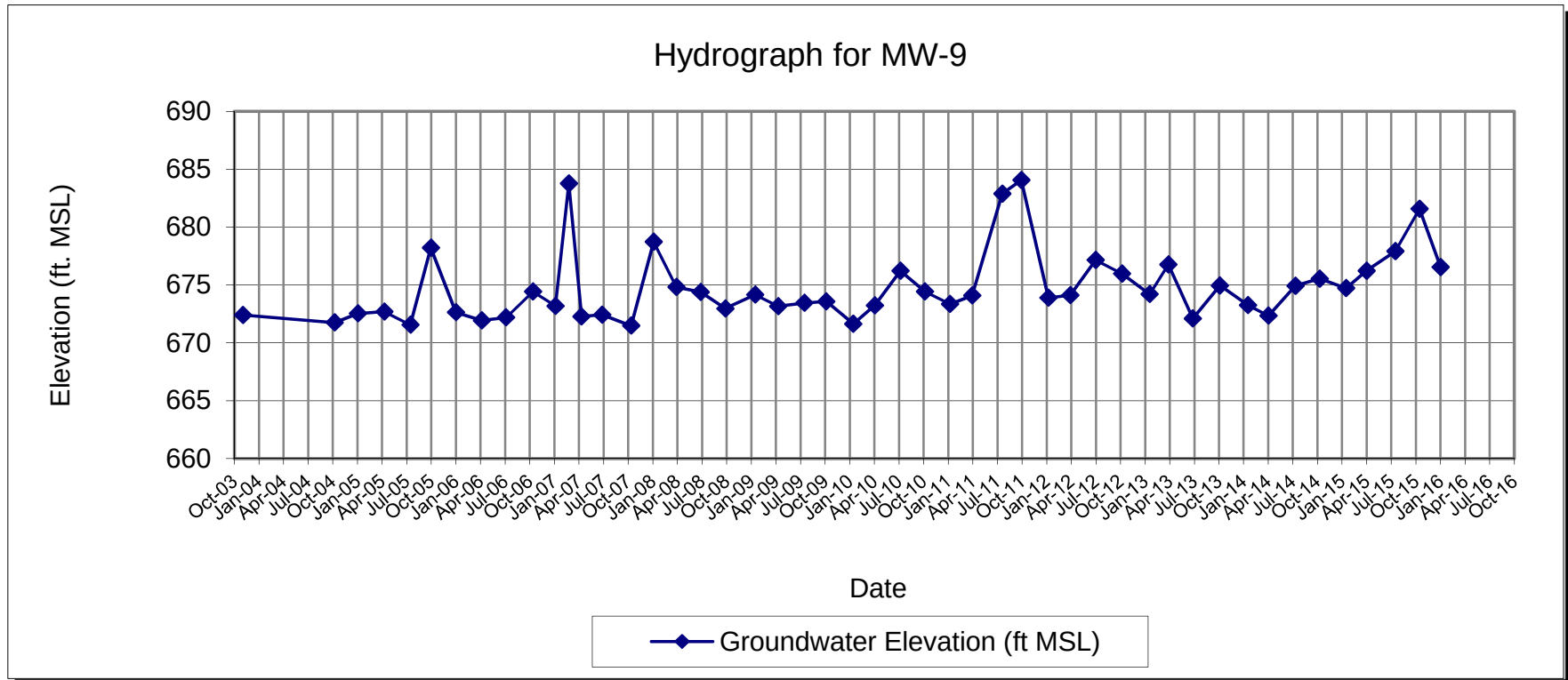
TOC Elevation - 685.43

DPE and GWCT down on 2/28/07

DPE down on 1/8/08 and 10/9/13

TOC Elevation as of 6/13/08 - 688.64

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

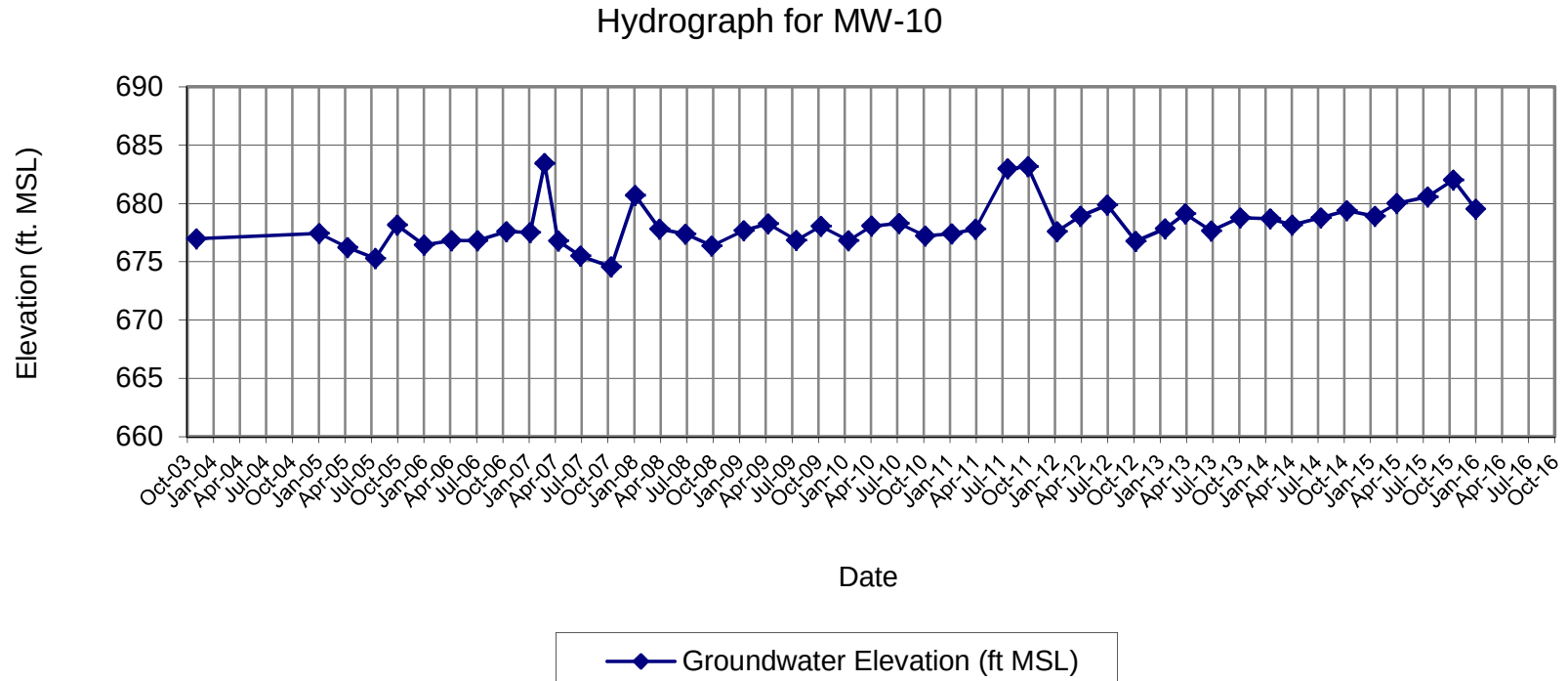
TOC Elevation - 687.72

DPE and GWCT down on 2/28/07

DPE down on 1/8/08 and 10/9/13

TOC Elevation as of 6/13/08 - 687.41

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	NA	
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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 688.61

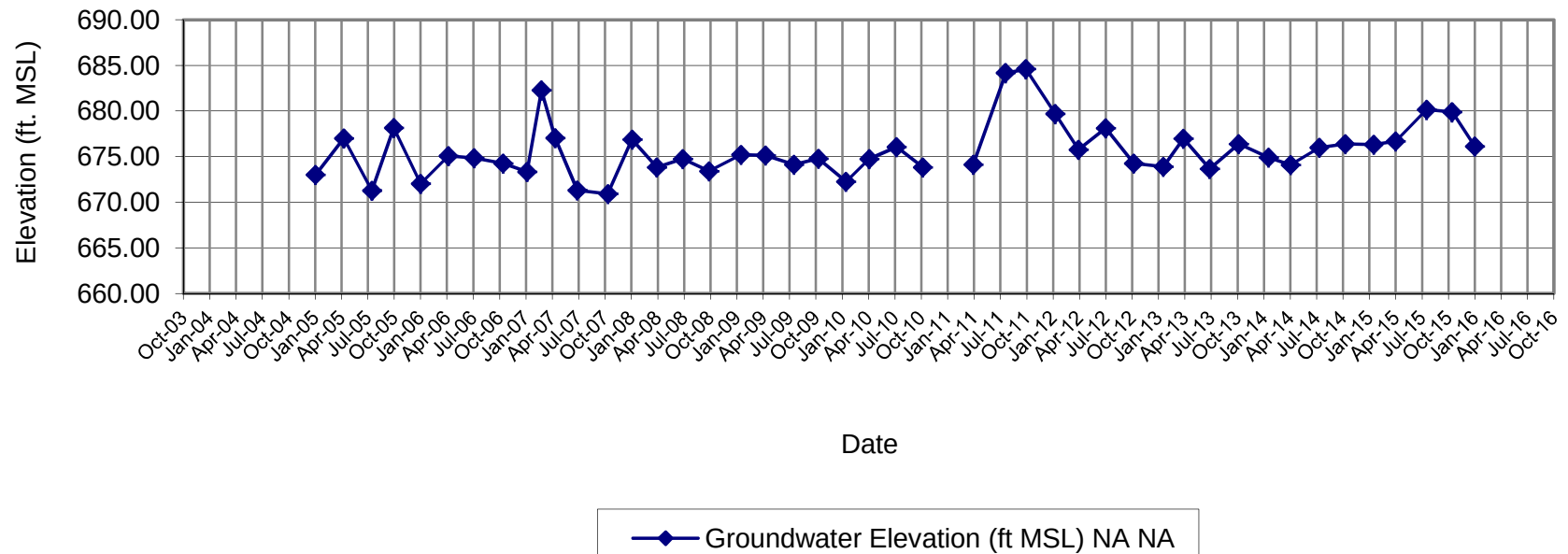
DPE and GWCT down on 2/28/07

DPE down on 1/8/08 and 10/9/13

TOC Elevation as of 6/13/08 - 688.65

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

Hydrograph for MW-11



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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	
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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.79

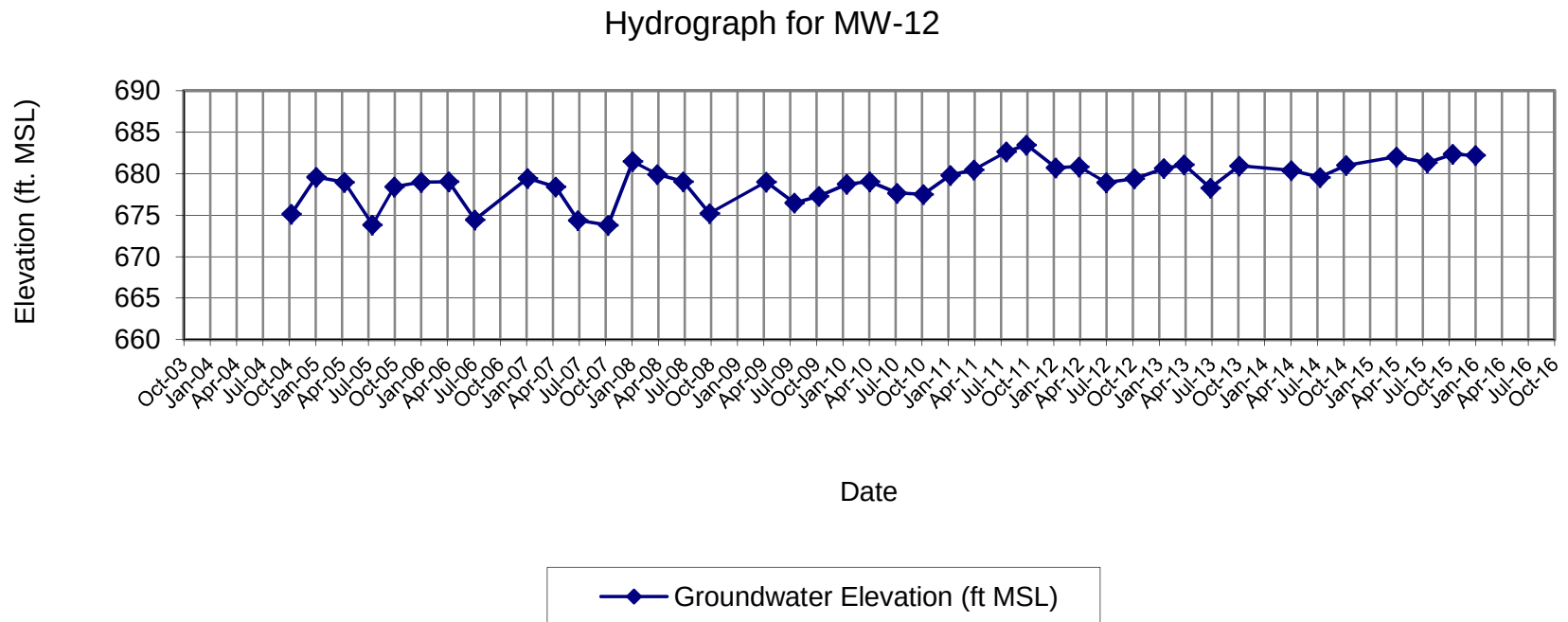
NM* - Well could not be accessed due to snow cover

DPE and GWCT down on 2/28/07

DPE down on 1/8/08 and 10/9/13

TOC Elevation as of 6/13/08 - 686.15

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

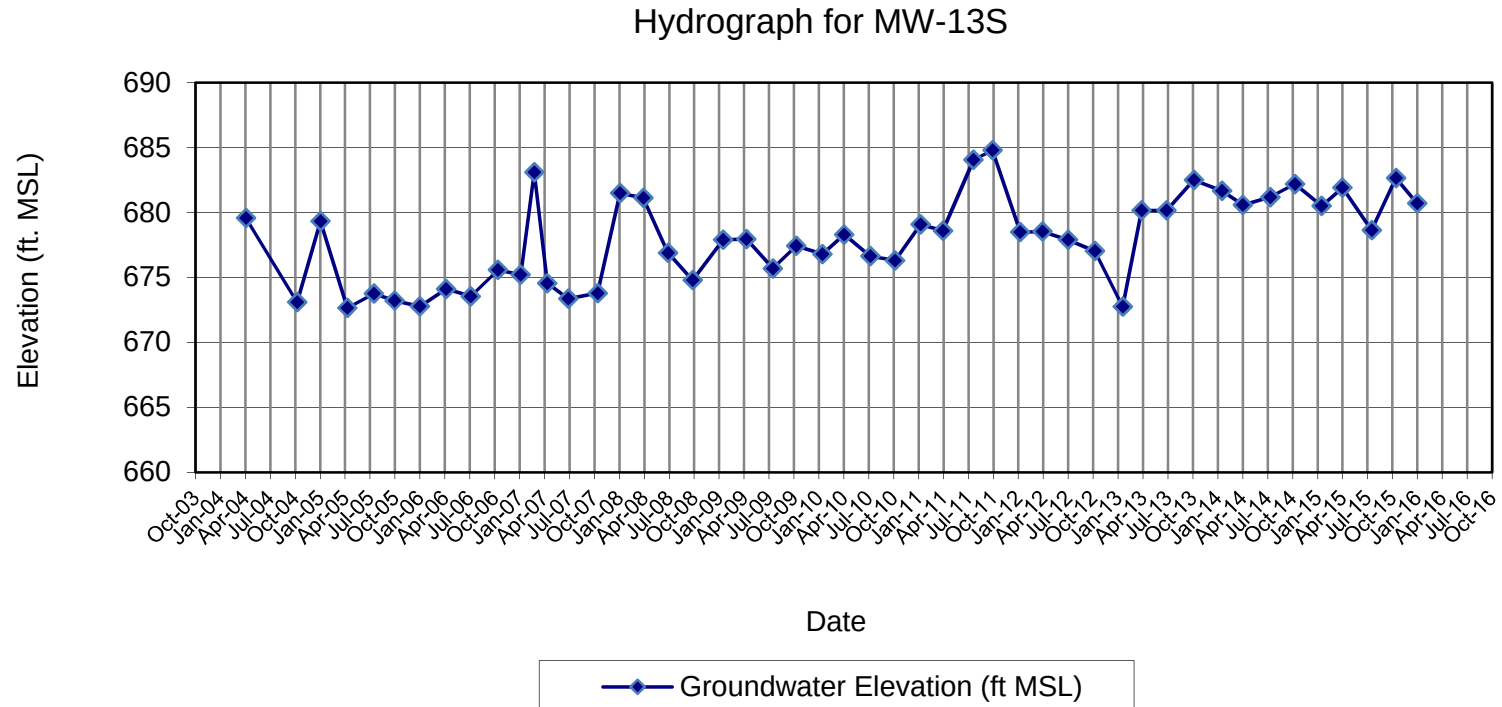
TOC Elevation - 686.57

DPE and GWCT down on 2/28/07

DPE down on 1/8/08 and 10/9/13

TOC Elevation as of 6/13/08 - 686.60

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
1/5/2019	10.31	676.42

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

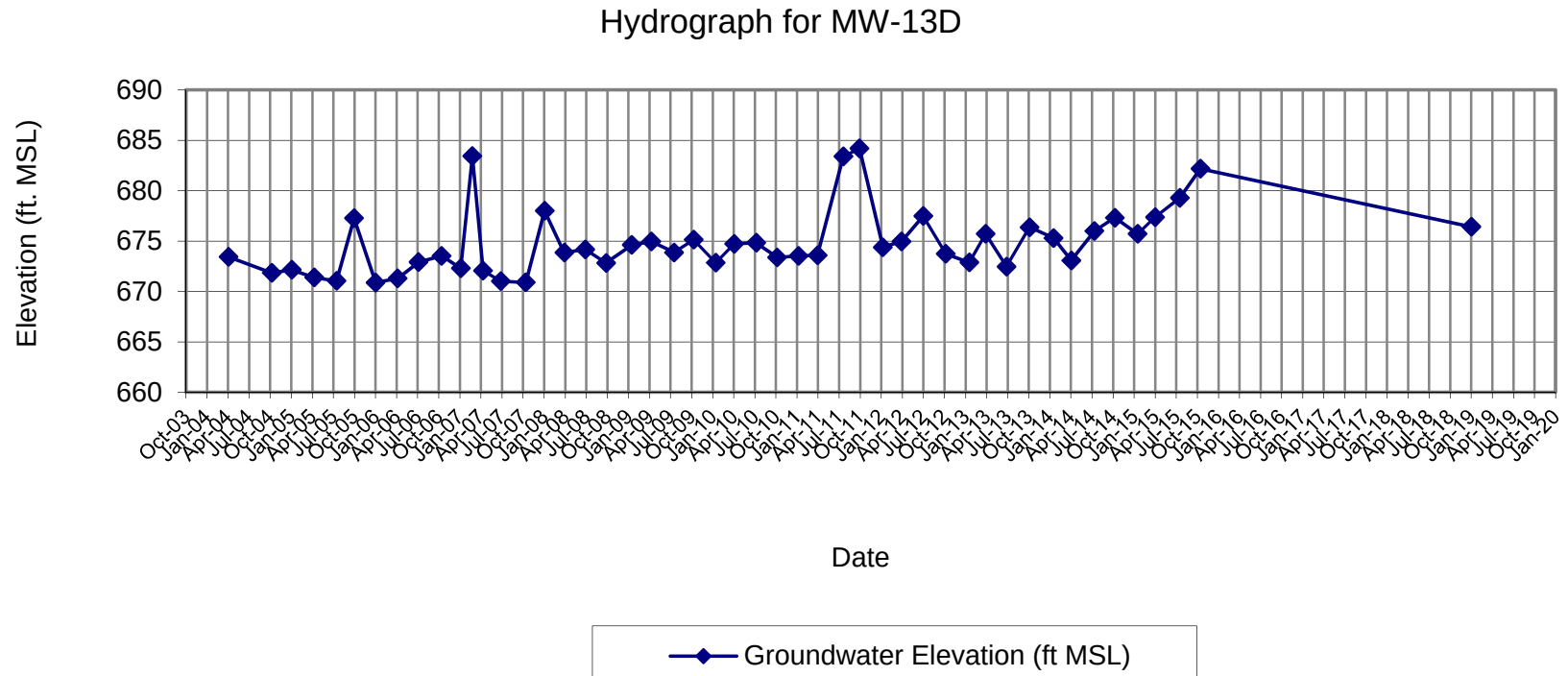
TOC Elevation - 686.71

DPE and GWCT down on 2/28/07

DPE down on 1/8/08 and 10/9/13

TOC Elevation as of 6/13/08 - 686.73

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.31

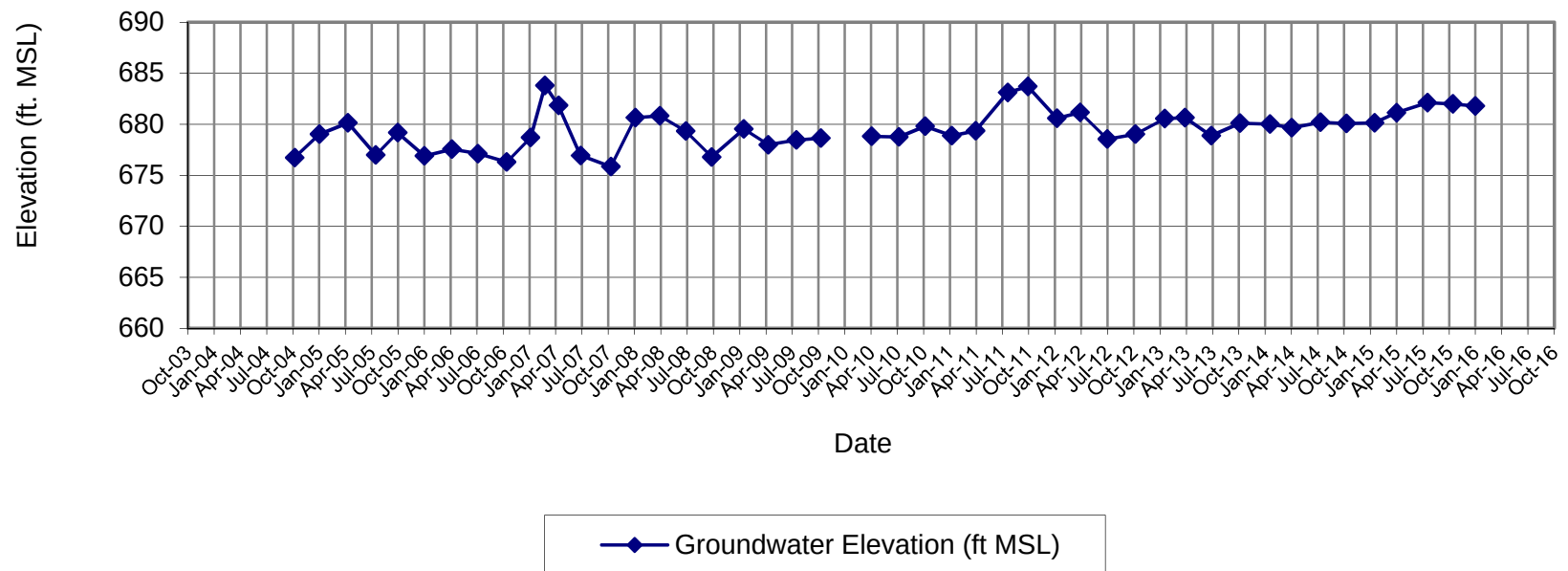
DPE and GWCT down on 2/28/07

DPE down on 1/8/08 and 10/9/13

TOC Elevation as of 6/13/08 - 685.70

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

Hydrograph for MW-14S



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

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.43

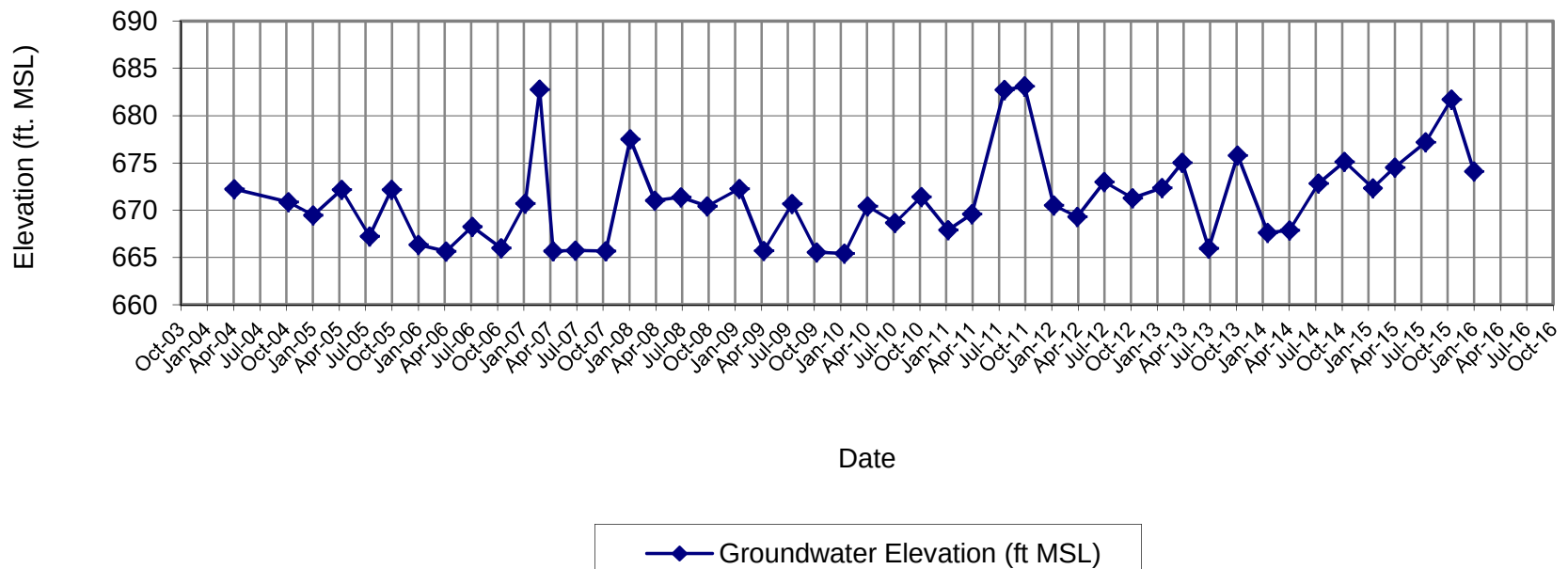
DPE and GWCT down on 2/28/07

DPE down on 1/8/08 and 10/9/13

TOC Elevation as of 6/13/08 - 685.82

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

Hydrograph for MW-14D



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

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

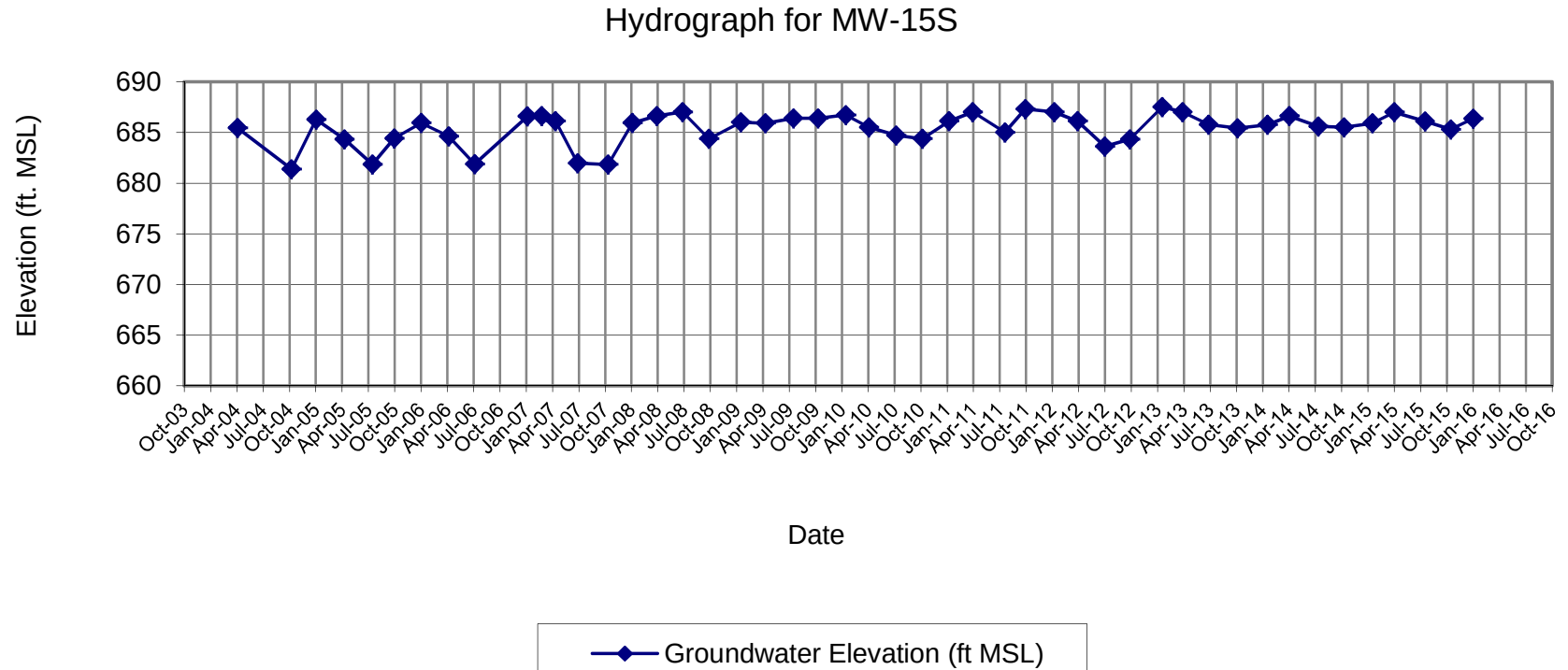
TOC Elevation - 686.64'

DPE and GWCT down on 2/28/07

DPE down on 1/8/08 and 10/9/13

TOC Elevation as of 6/13/08 - 687.52'

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

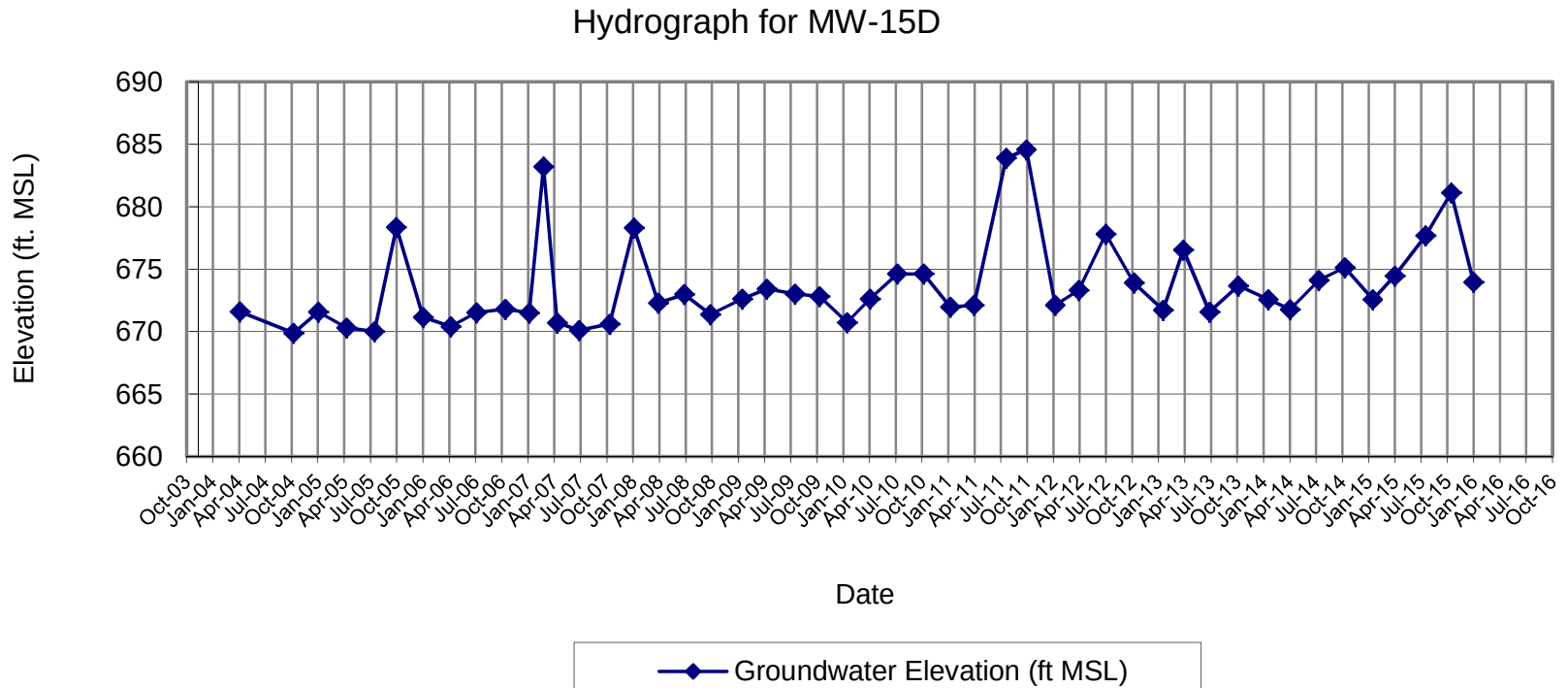
TOC Elevation - 687.31'

DPE and GWCT down on 2/28/07

DPE down on 1/8/08 and 10/9/13

TOC Elevation as of 6/13/08 - 687.62'

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
1/12/2011	NA	
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	681.40
1/5/2016	7.05	679.35

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 down on 2/28/07

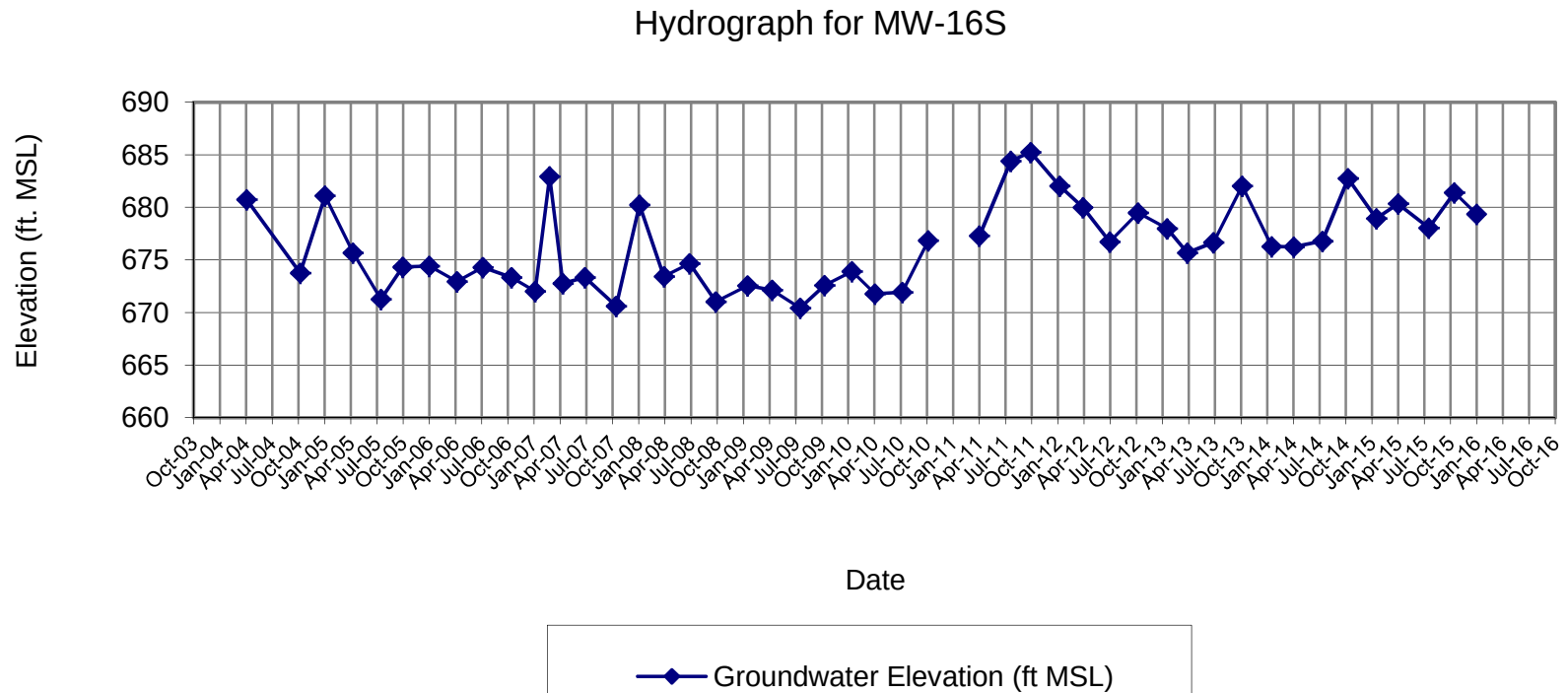
DPE down on 1/8/08 and 10/9/13

TOC Elevation as of 6/13/08 - 690.37'

TOC Elevation as of 4/7/2011 - 685.84'

TOC Elevation as of 6/2015 - 688.19

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
1/12/2011	NA	NA
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	676.60
10/19/2015	6.40	680.00
1/5/2016	13.00	673.40

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 down on 2/28/07

DPE down on 1/8/08 and 10/9/13

TOC Elevation as of 6/13/08 - 690.55'

TOC Elevation as of 4/7/2011 - 686.01'

TOC Elevation as of 6/2015 - 688.39



APPENDIX C

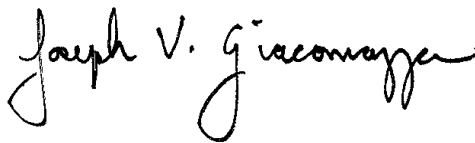
Analytical Laboratory Data (Full data reports contained on attached CD ROM)

ANALYTICAL REPORT

Job Number: 200-31474-1

Job Description: Scott Aviation site

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



Approved for release.
Joe V Giacomazza
Project Management Assistant II
1/15/2016 1:59 PM

Designee for
Brian J Fischer, Manager of Project Management
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9835
brian.fischer@testamericainc.com
01/15/2016

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
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TestAmerica Laboratories, Inc.

TestAmerica Burlington 30 Community Drive, Suite 11, South Burlington, VT 05403
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Job Narrative
200-31474-1

Receipt

The sample was received on 1/8/2016 10:15 AM; the sample 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, Inc.

Job Number: 200-31474-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-31474-1	AS Effluent 1Q16	Air	01/05/2016 1000	01/08/2016 1015

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 200-31474-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-31474-1 AS EFFLUENT 1Q16						
1,2,4-Trimethylbenzene		0.35		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.7		0.98	ug/m3	TO-15
1,2-Dichloroethene, Total		0.43		0.40	ppb v/v	TO-15
1,2-Dichloroethene, Total		1.7		1.6	ug/m3	TO-15
Benzene		0.32		0.20	ppb v/v	TO-15
Benzene		1.0		0.64	ug/m3	TO-15
Chloroethane		20		0.50	ppb v/v	TO-15
Chloroethane		54		1.3	ug/m3	TO-15
Chloromethane		0.71		0.50	ppb v/v	TO-15
Chloromethane		1.5		1.0	ug/m3	TO-15
Dichlorodifluoromethane		0.50		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		2.5		2.5	ug/m3	TO-15
Ethylbenzene		0.21		0.20	ppb v/v	TO-15
Ethylbenzene		0.90		0.87	ug/m3	TO-15
m,p-Xylene		0.69		0.50	ppb v/v	TO-15
m,p-Xylene		3.0		2.2	ug/m3	TO-15
Methyl Ethyl Ketone		0.67		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		2.0		1.5	ug/m3	TO-15
n-Heptane		0.20		0.20	ppb v/v	TO-15
n-Heptane		0.82		0.82	ug/m3	TO-15
n-Hexane		0.56		0.20	ppb v/v	TO-15
n-Hexane		2.0		0.70	ug/m3	TO-15
Tetrachloroethene		0.38		0.20	ppb v/v	TO-15
Tetrachloroethene		2.6		1.4	ug/m3	TO-15
Toluene		1.0		0.20	ppb v/v	TO-15
Toluene		3.8		0.75	ug/m3	TO-15
trans-1,2-Dichloroethene		0.43		0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		1.7		0.79	ug/m3	TO-15
Trichlorofluoromethane		0.22		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.2		1.1	ug/m3	TO-15
Xylene (total)		0.96		0.70	ppb v/v	TO-15
Xylene (total)		4.2		3.0	ug/m3	TO-15
Xylene, o-		0.27		0.20	ppb v/v	TO-15
Xylene, o-		1.2		0.87	ug/m3	TO-15

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 200-31474-1

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 200-31474-1

Method	Analyst	Analyst ID
EPA TO-15	Daigle, Paul A	PAD

Analytical Data

Client: AECOM, Inc.

Job Number: 200-31474-1

Client Sample ID: AS Effluent 1Q16

Lab Sample ID: 200-31474-1

Date Sampled: 01/05/2016 1000

Client Matrix: Air

Date Received: 01/08/2016 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-99454	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	17741_09.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/13/2016 1647			Final Weight/Volume:	200 mL
Prep Date:	01/13/2016 1647			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
1,1,1-Trichloroethane	0.20	U	0.20	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
1,1,2-Trichloroethane	0.20	U	0.20	0.20
1,1-Dichloroethane	0.20	U	0.20	0.20
1,1-Dichloroethene	0.20	U	0.20	0.20
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
1,2,4-Trimethylbenzene	0.35		0.20	0.20
1,2-Dibromoethane	0.20	U	0.20	0.20
1,2-Dichlorobenzene	0.20	U	0.20	0.20
1,2-Dichloroethane	0.20	U	0.20	0.20
1,2-Dichloroethene, Total	0.43		0.40	0.40
1,2-Dichloropropane	0.20	U	0.20	0.20
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
1,3-Butadiene	0.20	U	0.20	0.20
1,3-Dichlorobenzene	0.20	U	0.20	0.20
1,4-Dichlorobenzene	0.20	U	0.20	0.20
1,4-Dioxane	5.0	U	5.0	5.0
2,2,4-Trimethylpentane	0.20	U	0.20	0.20
2-Chlorotoluene	0.20	U	0.20	0.20
3-Chloropropene	0.50	U	0.50	0.50
4-Ethyltoluene	0.20	U	0.20	0.20
Acetone	5.0	U	5.0	5.0
Benzene	0.32		0.20	0.20
Bromodichloromethane	0.20	U	0.20	0.20
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
Bromoform	0.20	U	0.20	0.20
Bromomethane	0.20	U	0.20	0.20
Carbon disulfide	0.50	U	0.50	0.50
Carbon tetrachloride	0.20	U	0.20	0.20
Chlorobenzene	0.20	U	0.20	0.20
Chloroethane	20		0.50	0.50
Chloroform	0.20	U	0.20	0.20
Chloromethane	0.71		0.50	0.50
cis-1,2-Dichloroethene	0.20	U	0.20	0.20
cis-1,3-Dichloropropene	0.20	U	0.20	0.20
Cyclohexane	0.20	U	0.20	0.20
Dibromochloromethane	0.20	U	0.20	0.20
Dichlorodifluoromethane	0.50		0.50	0.50
Ethylbenzene	0.21		0.20	0.20
Freon TF	0.20	U	0.20	0.20
Hexachlorobutadiene	0.20	U	0.20	0.20
Isopropyl alcohol	5.0	U	5.0	5.0
m,p-Xylene	0.69		0.50	0.50
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
Methyl Ethyl Ketone	0.67		0.50	0.50

Analytical Data

Client: AECOM, Inc.

Job Number: 200-31474-1

Client Sample ID: AS Effluent 1Q16

Lab Sample ID: 200-31474-1

Date Sampled: 01/05/2016 1000

Client Matrix: Air

Date Received: 01/08/2016 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-99454	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	17741_09.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/13/2016 1647			Final Weight/Volume:	200 mL
Prep Date:	01/13/2016 1647			Injection Volume:	5 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
methyl isobutyl ketone	0.50	U	0.50	0.50
Methyl tert-butyl ether	0.20	U	0.20	0.20
Methylene Chloride	0.50	U	0.50	0.50
n-Heptane	0.20		0.20	0.20
n-Hexane	0.56		0.20	0.20
Styrene	0.20	U	0.20	0.20
tert-Butyl alcohol	5.0	U	5.0	5.0
Tetrachloroethene	0.38		0.20	0.20
Tetrahydrofuran	5.0	U	5.0	5.0
Toluene	1.0		0.20	0.20
trans-1,2-Dichloroethene	0.43		0.20	0.20
trans-1,3-Dichloropropene	0.20	U	0.20	0.20
Trichloroethene	0.20	U	0.20	0.20
Trichlorofluoromethane	0.22		0.20	0.20
Vinyl chloride	0.20	U	0.20	0.20
Xylene (total)	0.96		0.70	0.70
Xylene, o-	0.27		0.20	0.20

Analyte	Result (ug/m3)	Qualifier	RL	RL
1,1,1-Trichloroethane	1.1	U	1.1	1.1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	1.4
1,1,2-Trichloroethane	1.1	U	1.1	1.1
1,1-Dichloroethane	0.81	U	0.81	0.81
1,1-Dichloroethene	0.79	U	0.79	0.79
1,2,4-Trichlorobenzene	3.7	U	3.7	3.7
1,2,4-Trimethylbenzene	1.7		0.98	0.98
1,2-Dibromoethane	1.5	U	1.5	1.5
1,2-Dichlorobenzene	1.2	U	1.2	1.2
1,2-Dichloroethane	0.81	U	0.81	0.81
1,2-Dichloroethene, Total	1.7		1.6	1.6
1,2-Dichloropropane	0.92	U	0.92	0.92
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	1.4
1,3,5-Trimethylbenzene	0.98	U	0.98	0.98
1,3-Butadiene	0.44	U	0.44	0.44
1,3-Dichlorobenzene	1.2	U	1.2	1.2
1,4-Dichlorobenzene	1.2	U	1.2	1.2
1,4-Dioxane	18	U	18	18
2,2,4-Trimethylpentane	0.93	U	0.93	0.93
2-Chlorotoluene	1.0	U	1.0	1.0
3-Chloropropene	1.6	U	1.6	1.6
4-Ethyltoluene	0.98	U	0.98	0.98
Acetone	12	U	12	12
Benzene	1.0		0.64	0.64
Bromodichloromethane	1.3	U	1.3	1.3
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.87
Bromoform	2.1	U	2.1	2.1

Analytical Data

Client: AECOM, Inc.

Job Number: 200-31474-1

Client Sample ID: AS Effluent 1Q16

Lab Sample ID: 200-31474-1

Date Sampled: 01/05/2016 1000

Client Matrix: Air

Date Received: 01/08/2016 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-99454	Instrument ID:	CHB.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	17741_09.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/13/2016 1647			Final Weight/Volume:	200 mL
Prep Date:	01/13/2016 1647			Injection Volume:	5 mL

Analyte	Result (ug/m3)	Qualifier	RL	RL
Bromomethane	0.78	U	0.78	0.78
Carbon disulfide	1.6	U	1.6	1.6
Carbon tetrachloride	1.3	U	1.3	1.3
Chlorobenzene	0.92	U	0.92	0.92
Chloroethane	54		1.3	1.3
Chloroform	0.98	U	0.98	0.98
Chloromethane	1.5		1.0	1.0
cis-1,2-Dichloroethene	0.79	U	0.79	0.79
cis-1,3-Dichloropropene	0.91	U	0.91	0.91
Cyclohexane	0.69	U	0.69	0.69
Dibromochloromethane	1.7	U	1.7	1.7
Dichlorodifluoromethane	2.5		2.5	2.5
Ethylbenzene	0.90		0.87	0.87
Freon TF	1.5	U	1.5	1.5
Hexachlorobutadiene	2.1	U	2.1	2.1
Isopropyl alcohol	12	U	12	12
m,p-Xylene	3.0		2.2	2.2
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	2.0
Methyl Ethyl Ketone	2.0		1.5	1.5
methyl isobutyl ketone	2.0	U	2.0	2.0
Methyl tert-butyl ether	0.72	U	0.72	0.72
Methylene Chloride	1.7	U	1.7	1.7
n-Heptane	0.82		0.82	0.82
n-Hexane	2.0		0.70	0.70
Styrene	0.85	U	0.85	0.85
tert-Butyl alcohol	15	U	15	15
Tetrachloroethene	2.6		1.4	1.4
Tetrahydrofuran	15	U	15	15
Toluene	3.8		0.75	0.75
trans-1,2-Dichloroethene	1.7		0.79	0.79
trans-1,3-Dichloropropene	0.91	U	0.91	0.91
Trichloroethene	1.1	U	1.1	1.1
Trichlorofluoromethane	1.2		1.1	1.1
Vinyl chloride	0.51	U	0.51	0.51
Xylene (total)	4.2		3.0	3.0
Xylene, o-	1.2		0.87	0.87

Quality Control Results

Client: AECOM, Inc.

Job Number: 200-31474-1

Method Blank - Batch: 200-99454

Lab Sample ID: MB 200-99454/5
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 01/13/2016 1317
 Prep Date: 01/13/2016 1317
 Leach Date: N/A

Analysis Batch: 200-99454
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Method: TO-15 Preparation: Summa Canister

Instrument ID: CHB.i
 Lab File ID: 17741_05.D
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 5 mL

Analyte	Result	Qual	RL	RL
1,1,1-Trichloroethane	0.20	U	0.20	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
1,1,2-Trichloroethane	0.20	U	0.20	0.20
1,1-Dichloroethane	0.20	U	0.20	0.20
1,1-Dichloroethene	0.20	U	0.20	0.20
1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
1,2-Dibromoethane	0.20	U	0.20	0.20
1,2-Dichlorobenzene	0.20	U	0.20	0.20
1,2-Dichloroethane	0.20	U	0.20	0.20
1,2-Dichloroethene, Total	0.40	U	0.40	0.40
1,2-Dichloropropane	0.20	U	0.20	0.20
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
1,3-Butadiene	0.20	U	0.20	0.20
1,3-Dichlorobenzene	0.20	U	0.20	0.20
1,4-Dichlorobenzene	0.20	U	0.20	0.20
1,4-Dioxane	5.0	U	5.0	5.0
2,2,4-Trimethylpentane	0.20	U	0.20	0.20
2-Chlorotoluene	0.20	U	0.20	0.20
3-Chloropropene	0.50	U	0.50	0.50
4-Ethyltoluene	0.20	U	0.20	0.20
Acetone	5.0	U	5.0	5.0
Benzene	0.20	U	0.20	0.20
Bromodichloromethane	0.20	U	0.20	0.20
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
Bromoform	0.20	U	0.20	0.20
Bromomethane	0.20	U	0.20	0.20
Carbon disulfide	0.50	U	0.50	0.50
Carbon tetrachloride	0.20	U	0.20	0.20
Chlorobenzene	0.20	U	0.20	0.20
Chloroethane	0.50	U	0.50	0.50
Chloroform	0.20	U	0.20	0.20
Chloromethane	0.50	U	0.50	0.50
cis-1,2-Dichloroethene	0.20	U	0.20	0.20
cis-1,3-Dichloropropene	0.20	U	0.20	0.20
Cyclohexane	0.20	U	0.20	0.20
Dibromochloromethane	0.20	U	0.20	0.20
Dichlorodifluoromethane	0.50	U	0.50	0.50
Ethylbenzene	0.20	U	0.20	0.20
Freon TF	0.20	U	0.20	0.20
Hexachlorobutadiene	0.20	U	0.20	0.20
Isopropyl alcohol	5.0	U	5.0	5.0
m,p-Xylene	0.50	U	0.50	0.50
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50

Quality Control Results

Client: AECOM, Inc.

Job Number: 200-31474-1

Method Blank - Batch: 200-99454

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-99454/5
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 01/13/2016 1317
 Prep Date: 01/13/2016 1317
 Leach Date: N/A

Analysis Batch: 200-99454
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: CHB.i
 Lab File ID: 17741_05.D
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 5 mL

Analyte	Result	Qual	RL	RL
Methyl Ethyl Ketone	0.50	U	0.50	0.50
methyl isobutyl ketone	0.50	U	0.50	0.50
Methyl tert-butyl ether	0.20	U	0.20	0.20
Methylene Chloride	0.50	U	0.50	0.50
n-Heptane	0.20	U	0.20	0.20
n-Hexane	0.20	U	0.20	0.20
Styrene	0.20	U	0.20	0.20
tert-Butyl alcohol	5.0	U	5.0	5.0
Tetrachloroethene	0.20	U	0.20	0.20
Tetrahydrofuran	5.0	U	5.0	5.0
Toluene	0.20	U	0.20	0.20
trans-1,2-Dichloroethene	0.20	U	0.20	0.20
trans-1,3-Dichloropropene	0.20	U	0.20	0.20
Trichloroethene	0.20	U	0.20	0.20
Trichlorofluoromethane	0.20	U	0.20	0.20
Vinyl chloride	0.20	U	0.20	0.20
Xylene (total)	0.70	U	0.70	0.70
Xylene, o-	0.20	U	0.20	0.20

Quality Control Results

Client: AECOM, Inc.

Job Number: 200-31474-1

Method Blank - Batch: 200-99454

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-99454/5
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 01/13/2016 1317
 Prep Date: 01/13/2016 1317
 Leach Date: N/A

Analysis Batch: 200-99454
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/m3

Instrument ID: CHB.i
 Lab File ID: 17741_05.D
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 5 mL

Analyte	Result	Qual	RL	RL
1,1,1-Trichloroethane	1.1	U	1.1	1.1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	1.4
1,1,2-Trichloroethane	1.1	U	1.1	1.1
1,1-Dichloroethane	0.81	U	0.81	0.81
1,1-Dichloroethene	0.79	U	0.79	0.79
1,2,4-Trichlorobenzene	3.7	U	3.7	3.7
1,2,4-Trimethylbenzene	0.98	U	0.98	0.98
1,2-Dibromoethane	1.5	U	1.5	1.5
1,2-Dichlorobenzene	1.2	U	1.2	1.2
1,2-Dichloroethane	0.81	U	0.81	0.81
1,2-Dichloroethene, Total	1.6	U	1.6	1.6
1,2-Dichloropropane	0.92	U	0.92	0.92
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	1.4
1,3,5-Trimethylbenzene	0.98	U	0.98	0.98
1,3-Butadiene	0.44	U	0.44	0.44
1,3-Dichlorobenzene	1.2	U	1.2	1.2
1,4-Dichlorobenzene	1.2	U	1.2	1.2
1,4-Dioxane	18	U	18	18
2,2,4-Trimethylpentane	0.93	U	0.93	0.93
2-Chlorotoluene	1.0	U	1.0	1.0
3-Chloropropene	1.6	U	1.6	1.6
4-Ethyltoluene	0.98	U	0.98	0.98
Acetone	12	U	12	12
Benzene	0.64	U	0.64	0.64
Bromodichloromethane	1.3	U	1.3	1.3
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.87
Bromoform	2.1	U	2.1	2.1
Bromomethane	0.78	U	0.78	0.78
Carbon disulfide	1.6	U	1.6	1.6
Carbon tetrachloride	1.3	U	1.3	1.3
Chlorobenzene	0.92	U	0.92	0.92
Chloroethane	1.3	U	1.3	1.3
Chloroform	0.98	U	0.98	0.98
Chloromethane	1.0	U	1.0	1.0
cis-1,2-Dichloroethene	0.79	U	0.79	0.79
cis-1,3-Dichloropropene	0.91	U	0.91	0.91
Cyclohexane	0.69	U	0.69	0.69
Dibromochloromethane	1.7	U	1.7	1.7
Dichlorodifluoromethane	2.5	U	2.5	2.5
Ethylbenzene	0.87	U	0.87	0.87
Freon TF	1.5	U	1.5	1.5
Hexachlorobutadiene	2.1	U	2.1	2.1
Isopropyl alcohol	12	U	12	12
m,p-Xylene	2.2	U	2.2	2.2
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	2.0

Quality Control Results

Client: AECOM, Inc.

Job Number: 200-31474-1

Method Blank - Batch: 200-99454

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-99454/5
Client Matrix: Air
Dilution: 1.0
Analysis Date: 01/13/2016 1317
Prep Date: 01/13/2016 1317
Leach Date: N/A

Analysis Batch: 200-99454
Prep Batch: N/A
Leach Batch: N/A
Units: ug/m3

Instrument ID: CHB.i
Lab File ID: 17741_05.D
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 5 mL

Analyte	Result	Qual	RL	RL
Methyl Ethyl Ketone	1.5	U	1.5	1.5
methyl isobutyl ketone	2.0	U	2.0	2.0
Methyl tert-butyl ether	0.72	U	0.72	0.72
Methylene Chloride	1.7	U	1.7	1.7
n-Heptane	0.82	U	0.82	0.82
n-Hexane	0.70	U	0.70	0.70
Styrene	0.85	U	0.85	0.85
tert-Butyl alcohol	15	U	15	15
Tetrachloroethene	1.4	U	1.4	1.4
Tetrahydrofuran	15	U	15	15
Toluene	0.75	U	0.75	0.75
trans-1,2-Dichloroethene	0.79	U	0.79	0.79
trans-1,3-Dichloropropene	0.91	U	0.91	0.91
Trichloroethene	1.1	U	1.1	1.1
Trichlorofluoromethane	1.1	U	1.1	1.1
Vinyl chloride	0.51	U	0.51	0.51
Xylene (total)	3.0	U	3.0	3.0
Xylene, o-	0.87	U	0.87	0.87

Quality Control Results

Client: AECOM, Inc.

Job Number: 200-31474-1

Lab Control Sample - Batch: 200-99454

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: LCS 200-99454/4	Analysis Batch: 200-99454	Instrument ID: CHB.i
Client Matrix: Air	Prep Batch: N/A	Lab File ID: 17741_04.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 200 mL
Analysis Date: 01/13/2016 1224	Units: ppb v/v	Final Weight/Volume: 200 mL
Prep Date: 01/13/2016 1224		Injection Volume: 5 mL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	10.0	9.98	100	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	10.3	103	70 - 130	
1,1,2-Trichloroethane	10.0	10.4	104	70 - 130	
1,1-Dichloroethane	10.0	10.3	103	70 - 130	
1,1-Dichloroethene	10.0	10.4	104	70 - 130	
1,2,4-Trichlorobenzene	10.0	7.88	79	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.81	98	70 - 130	
1,2-Dibromoethane	10.0	10.3	103	70 - 130	
1,2-Dichlorobenzene	10.0	9.72	97	70 - 130	
1,2-Dichloroethane	10.0	9.83	98	70 - 130	
1,2-Dichloropropane	10.0	9.93	99	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	12.7	127	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.95	99	70 - 130	
1,3-Butadiene	10.0	11.0	110	70 - 130	
1,3-Dichlorobenzene	10.0	9.76	98	70 - 130	
1,4-Dichlorobenzene	10.0	9.76	98	70 - 130	
1,4-Dioxane	10.0	9.29	93	70 - 130	
2,2,4-Trimethylpentane	10.0	9.93	99	70 - 130	
2-Chlorotoluene	10.0	9.84	98	70 - 130	
3-Chloropropene	10.0	9.43	94	70 - 130	
4-Ethyltoluene	10.0	10.1	101	70 - 130	
Acetone	10.0	9.85	99	70 - 130	
Benzene	10.0	10.1	101	70 - 130	
Bromodichloromethane	10.0	10.1	101	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	10.8	108	70 - 130	
Bromoform	10.0	10.7	107	70 - 130	
Bromomethane	10.0	11.3	113	70 - 130	
Carbon disulfide	10.0	12.3	123	70 - 130	
Carbon tetrachloride	10.0	11.6	116	70 - 130	
Chlorobenzene	10.0	10.1	102	70 - 130	
Chloroethane	10.0	11.1	111	70 - 130	
Chloroform	10.0	10.3	103	70 - 130	
Chloromethane	10.0	11.1	111	70 - 130	
cis-1,2-Dichloroethene	10.0	10.4	104	70 - 130	
cis-1,3-Dichloropropene	10.0	10.2	102	70 - 130	
Cyclohexane	10.0	10.4	104	70 - 130	
Dibromochloromethane	10.0	9.98	100	70 - 130	
Dichlorodifluoromethane	10.0	11.0	110	70 - 130	
Ethylbenzene	10.0	10.3	103	70 - 130	
Freon TF	10.0	10.6	106	70 - 130	
Hexachlorobutadiene	10.0	8.31	83	70 - 130	
Isopropyl alcohol	10.0	8.99	90	70 - 130	
m,p-Xylene	20.0	20.2	101	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.07	91	70 - 130	
Methyl Ethyl Ketone	10.0	10.4	104	70 - 130	
methyl isobutyl ketone	10.0	9.04	90	70 - 130	

Quality Control Results

Client: AECOM, Inc.

Job Number: 200-31474-1

Lab Control Sample - Batch: 200-99454

Method: TO-15

Preparation: Summa Canister

Lab Sample ID:	LCS 200-99454/4	Analysis Batch:	200-99454	Instrument ID:	CHB.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	17741_04.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	01/13/2016 1224	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	01/13/2016 1224			Injection Volume:	5 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Methyl tert-butyl ether	10.0	10.3	103	70 - 130	
Methylene Chloride	10.0	9.93	99	70 - 130	
n-Heptane	10.0	9.23	92	70 - 130	
n-Hexane	10.0	10.9	109	70 - 130	
Styrene	10.0	9.91	99	70 - 130	
tert-Butyl alcohol	10.0	9.84	98	70 - 130	
Tetrachloroethene	10.0	9.69	97	70 - 130	
Tetrahydrofuran	10.0	9.93	99	70 - 130	
Toluene	10.0	10.2	102	70 - 130	
trans-1,2-Dichloroethene	10.0	10.9	109	70 - 130	
trans-1,3-Dichloropropene	10.0	10.1	101	70 - 130	
Trichloroethene	10.0	10.0	100	70 - 130	
Trichlorofluoromethane	10.0	10.5	105	70 - 130	
Vinyl chloride	10.0	11.7	117	70 - 130	
Xylene, o-	10.0	9.87	99	70 - 130	

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 200-31474-1

Lab Section	Qualifier	Description
Air - GC/MS VOA	U	Indicates the analyte was analyzed for but not detected.

Quality Control Results

Client: AECOM, Inc.

Job Number: 200-31474-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-99454					
LCS 200-99454/4	Lab Control Sample	T	Air	TO-15	
MB 200-99454/5	Method Blank	T	Air	TO-15	
200-31474-1	AS Effluent 1Q16	T	Air	TO-15	

Report Basis

T = Total

Quality Control Results

Client: AECOM, Inc.

Job Number: 200-31474-1

Laboratory Chronicle

Lab ID: 200-31474-1

Client ID: AS Effluent 1Q16

Sample Date/Time: 01/05/2016 10:00 Received Date/Time: 01/08/2016 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-31474-A-1		200-99454		01/13/2016 16:47	1	TAL BUR	PAD
A:TO-15	200-31474-A-1		200-99454		01/13/2016 16:47	1	TAL BUR	PAD

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-99454/5		200-99454		01/13/2016 13:17	1	TAL BUR	PAD
A:TO-15	MB 200-99454/5		200-99454		01/13/2016 13:17	1	TAL BUR	PAD

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-99454/4		200-99454		01/13/2016 12:24	1	TAL BUR	PAD
A:TO-15	LCS 200-99454/4		200-99454		01/13/2016 12:24	1	TAL BUR	PAD

Lab References:

TAL BUR = 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.: 200-31474-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 17741_04.D
 Lab ID: LCS 200-99454/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	9.98	100	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.3	103	70-130	
1,1,2-Trichloroethane	10.0	10.4	104	70-130	
1,1-Dichloroethane	10.0	10.3	103	70-130	
1,1-Dichloroethene	10.0	10.4	104	70-130	
1,2,4-Trichlorobenzene	10.0	7.88	79	70-130	
1,2,4-Trimethylbenzene	10.0	9.81	98	70-130	
1,2-Dibromoethane	10.0	10.3	103	70-130	
1,2-Dichlorobenzene	10.0	9.72	97	70-130	
1,2-Dichloroethane	10.0	9.83	98	70-130	
1,2-Dichloropropane	10.0	9.93	99	70-130	
1,2-Dichlorotetrafluoroethane	10.0	12.7	127	70-130	
1,3,5-Trimethylbenzene	10.0	9.95	99	70-130	
1,3-Butadiene	10.0	11.0	110	70-130	
1,3-Dichlorobenzene	10.0	9.76	98	70-130	
1,4-Dichlorobenzene	10.0	9.76	98	70-130	
1,4-Dioxane	10.0	9.29	93	70-130	
2,2,4-Trimethylpentane	10.0	9.93	99	70-130	
2-Chlorotoluene	10.0	9.84	98	70-130	
3-Chloropropene	10.0	9.43	94	70-130	
4-Ethyltoluene	10.0	10.1	101	70-130	
Acetone	10.0	9.85	99	70-130	
Benzene	10.0	10.1	101	70-130	
Bromodichloromethane	10.0	10.1	101	70-130	
Bromoethene (Vinyl Bromide)	10.0	10.8	108	70-130	
Bromoform	10.0	10.7	107	70-130	
Bromomethane	10.0	11.3	113	70-130	
Carbon disulfide	10.0	12.3	123	70-130	
Carbon tetrachloride	10.0	11.6	116	70-130	
Chlorobenzene	10.0	10.1	102	70-130	
Chloroethane	10.0	11.1	111	70-130	
Chloroform	10.0	10.3	103	70-130	
Chloromethane	10.0	11.1	111	70-130	
cis-1,2-Dichloroethene	10.0	10.4	104	70-130	
cis-1,3-Dichloropropene	10.0	10.2	102	70-130	
Cyclohexane	10.0	10.4	104	70-130	
Dibromochloromethane	10.0	9.98	100	70-130	
Dichlorodifluoromethane	10.0	11.0	110	70-130	
Ethylbenzene	10.0	10.3	103	70-130	
Freon TF	10.0	10.6	106	70-130	
Hexachlorobutadiene	10.0	8.31	83	70-130	
Isopropyl alcohol	10.0	8.99	90	70-130	

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.: 200-31474-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 17741_04.D
 Lab ID: LCS 200-99454/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
m,p-Xylene	20.0	20.2	101	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.07	91	70-130	
Methyl Ethyl Ketone	10.0	10.4	104	70-130	
methyl isobutyl ketone	10.0	9.04	90	70-130	
Methyl tert-butyl ether	10.0	10.3	103	70-130	
Methylene Chloride	10.0	9.93	99	70-130	
n-Heptane	10.0	9.23	92	70-130	
n-Hexane	10.0	10.9	109	70-130	
Styrene	10.0	9.91	99	70-130	
tert-Butyl alcohol	10.0	9.84	98	70-130	
Tetrachloroethene	10.0	9.69	97	70-130	
Tetrahydrofuran	10.0	9.93	99	70-130	
Toluene	10.0	10.2	102	70-130	
trans-1,2-Dichloroethene	10.0	10.9	109	70-130	
trans-1,3-Dichloropropene	10.0	10.1	101	70-130	
Trichloroethene	10.0	10.0	100	70-130	
Trichlorofluoromethane	10.0	10.5	105	70-130	
Vinyl chloride	10.0	11.7	117	70-130	
Xylene, o-	10.0	9.87	99	70-130	

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.: 200-31474-1
SDG No.: _____
Lab File ID: 17741_05.D Lab Sample ID: MB 200-99454/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHB.i Date Analyzed: 01/13/2016 13:17
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 200-99454/4	17741_04.D	01/13/2016 12:24
AS Effluent 1Q16	200-31474-1	17741_09.D	01/13/2016 16:47

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31474-1
 SDG No.: _____
 Lab File ID: 17332_01.D BFB Injection Date: 12/15/2015
 Instrument ID: CHB.i BFB Injection Time: 15:39
 Analysis Batch No.: 98466

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	13.2
75	30.0 - 66.0% of mass 95	40.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	98.2
175	4.0 - 9.0 % of mass 174	6.9 (7.0) 1
176	93.0 - 101.0% of mass 174	94.7 (96.5) 1
177	5.0 - 9.0% of mass 176	6.2 (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 200-98466/5	17332_05.D	12/15/2015	19:10
	IC 200-98466/6	17332_06.D	12/15/2015	20:02
	IC 200-98466/7	17332_07.D	12/15/2015	20:54
	IC 200-98466/8	17332_08.D	12/15/2015	21:46
	ICIS 200-98466/9	17332_09.D	12/15/2015	22:38
	IC 200-98466/10	17332_10.D	12/15/2015	23:30
	IC 200-98466/11	17332_11.D	12/16/2015	00:23
	IC 200-98466/12	17332_12.D	12/16/2015	01:15
	ICV 200-98466/15	17332_15.D	12/16/2015	03:52

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31474-1
 SDG No.: _____
 Lab File ID: 17741_01.D BFB Injection Date: 01/13/2016
 Instrument ID: CHB.i BFB Injection Time: 09:50
 Analysis Batch No.: 99454

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.2
75	30.0 - 66.0% of mass 95	42.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	91.5
175	4.0 - 9.0 % of mass 174	6.8 (7.4) 1
176	93.0 - 101.0% of mass 174	89.6 (98.0) 1
177	5.0 - 9.0% of mass 176	5.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-99454/3	17741_03.D	01/13/2016	11:32
	LCS 200-99454/4	17741_04.D	01/13/2016	12:24
	MB 200-99454/5	17741_05.D	01/13/2016	13:17
AS Effluent 1Q16	200-31474-1	17741_09.D	01/13/2016	16:47

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

Lab Name: TestAmerica Burlington Job No.: 200-31474-1
 SDG No.: _____
 Sample No.: ICIS 200-98466/9 Date Analyzed: 12/15/2015 22:38
 Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 17332_09.D Heated Purge: (Y/N) N
 Calibration ID: 33009

	BCM		DFB		CBZ	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	325223	9.81	1603649	11.21	1449686	15.31
UPPER LIMIT	455312	10.14	2245109	11.54	2029560	15.64
LOWER LIMIT	195134	9.48	962189	10.88	869812	14.98
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-98466/15		370076	9.81	1816057	11.21	1601659
						15.31

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = 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.: 200-31474-1
 SDG No.: _____
 Sample No.: CCVIS 200-99454/3 Date Analyzed: 01/13/2016 11:32
 Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 17741_03.D Heated Purge: (Y/N) N
 Calibration ID: 33009

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		440286	9.80	2151401	11.21	1896649	15.31
UPPER LIMIT		616400	10.13	3011961	11.54	2655309	15.64
LOWER LIMIT		264172	9.47	1290841	10.88	1137989	14.98
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-99454/4		446929	9.81	2235175	11.21	1968515	15.31
MB 200-99454/5		458531	9.80	2318749	11.21	1974893	15.31
200-31474-1		AS Effluent 1Q16	401228	9.80	2023750	11.21	1766686

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = 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.: 200-31474-1
 SDG No.: _____
 Client Sample ID: AS Effluent 1Q16 Lab Sample ID: 200-31474-1
 Matrix: Air Lab File ID: 17741_09.D
 Analysis Method: TO-15 Date Collected: 01/05/2016 10:00
 Sample wt/vol: 200 (mL) Date Analyzed: 01/13/2016 16:47
 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.: 99454 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	0.35		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	0.43		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	0.32		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	20		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.: 200-31474-1
 SDG No.: _____
 Client Sample ID: AS Effluent 1Q16 Lab Sample ID: 200-31474-1
 Matrix: Air Lab File ID: 17741_09.D
 Analysis Method: TO-15 Date Collected: 01/05/2016 10:00
 Sample wt/vol: 200 (mL) Date Analyzed: 01/13/2016 16:47
 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.: 99454 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	0.71		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		0.50	0.50
100-41-4	Ethylbenzene	106.17	0.21		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	0.69		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	0.67		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		0.20	0.20
110-54-3	n-Hexane	86.17	0.56		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	0.38		0.20	0.20
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	5.0
108-88-3	Toluene	92.14	1.0		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	0.43		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	0.22		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	0.96		0.70	0.70
95-47-6	Xylene, o-	106.17	0.27		0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-31474-1
 SDG No.: _____
 Client Sample ID: AS Effluent 1Q16 Lab Sample ID: 200-31474-1
 Matrix: Air Lab File ID: 17741_09.D
 Analysis Method: TO-15 Date Collected: 01/05/2016 10:00
 Sample wt/vol: 200 (mL) Date Analyzed: 01/13/2016 16:47
 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.: 99454 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	1.7		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	1.7		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	1.0		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	54		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.: 200-31474-1
 SDG No.: _____
 Client Sample ID: AS Effluent 1Q16 Lab Sample ID: 200-31474-1
 Matrix: Air Lab File ID: 17741_09.D
 Analysis Method: TO-15 Date Collected: 01/05/2016 10:00
 Sample wt/vol: 200 (mL) Date Analyzed: 01/13/2016 16:47
 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.: 99454 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	1.5		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		2.5	2.5
100-41-4	Ethylbenzene	106.17	0.90		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	3.0		2.2	2.2
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	2.0
78-93-3	Methyl Ethyl Ketone	72.11	2.0		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		0.82	0.82
110-54-3	n-Hexane	86.17	2.0		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	2.6		1.4	1.4
109-99-9	Tetrahydrofuran	72.11	15	U	15	15
108-88-3	Toluene	92.14	3.8		0.75	0.75
156-60-5	trans-1,2-Dichloroethene	96.94	1.7		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	1.2		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	4.2		3.0	3.0
95-47-6	Xylene, o-	106.17	1.2		0.87	0.87

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_09.D
 Lims ID: 200-31474-A-1 Lab Sample ID: 200-31474-1
 Client ID: AS Effluent 1Q16
 Sample Type: Client
 Inject. Date: 13-Jan-2016 16:47:30 ALS Bottle#: 11 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017741-009
 Misc. Info.: 31474-01
 Operator ID: pad Instrument ID: CHB.i
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\TO15_LLNJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 14-Jan-2016 11:43:50 Calib Date: 16-Dec-2015 01:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK035

First Level Reviewer: daiglep

Date: 14-Jan-2016 10:30:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.219	3.219	-0.001	99	40922	0.5027	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.443				ND	
5 Chloromethane	50	3.571	3.571	0.000	98	17795	0.7123	
7 Vinyl chloride	62	3.790	3.790	0.000	92	3866	0.1207	
8 Butadiene	54		3.859				ND	
10 Bromomethane	94		4.548				ND	
11 Chloroethane	64	4.782	4.782	0.000	98	453797	20.4	
13 Vinyl bromide	106		5.199				ND	
14 Trichlorofluoromethane	101	5.295	5.295	0.000	98	19798	0.2153	
19 1,1,2-Trichloro-1,2,2-trif	101	6.346	6.330	0.016	98	5995	0.0722	
20 1,1-Dichloroethene	96		6.405				ND	
21 Acetone	43	6.570	6.565	0.005	95	175052	3.36	
22 Isopropyl alcohol	45		6.773				ND	
23 Carbon disulfide	76	6.837	6.837	0.000	98	29579	0.2669	
24 3-Chloro-1-propene	41		7.115				ND	
27 Methylene Chloride	49	7.376	7.376	0.000	85	9514	0.2140	
28 2-Methyl-2-propanol	59		7.472				ND	
29 Methyl tert-butyl ether	73		7.712				ND	
30 trans-1,2-Dichloroethene	61	7.782	7.782	0.000	96	25334	0.4344	
32 Hexane	57	8.102	8.107	-0.005	92	37337	0.5558	
33 1,1-Dichloroethane	63	8.529	8.529	0.000	97	6253	0.0808	
* 39 Chlorobromomethane	128	9.804	9.804	0.000	86	401228	10.0	
36 2-Butanone (MEK)	72	9.425	9.425	0.000	98	15632	0.6744	
37 cis-1,2-Dichloroethene	96		9.436				ND	
38 Tetrahydrofuran	42	9.815	9.810	0.005	93	21948	0.4738	
40 Chloroform	83		9.879				ND	
S 41 1,2-Dichloroethene, Total	61				0		0.4344	
42 1,1,1-Trichloroethane	97		10.135				ND	
43 Cyclohexane	84	10.140	10.141	-0.001	92	8041	0.1183	
44 Carbon tetrachloride	117	10.333	10.333	0.000	96	5554	0.0716	
45 Isooctane	57	10.615	10.616	-0.001	95	29997	0.1273	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
46 Benzene	78	10.664	10.669	-0.005	94	49500	0.3228	
47 1,2-Dichloroethane	62		10.770				ND	
48 n-Heptane	43	10.861	10.866	-0.005	87	16947	0.2010	
* 50 1,4-Difluorobenzene	114	11.208	11.208	0.000	93	2023750	10.0	
53 Trichloroethene	95		11.576				ND	
54 1,2-Dichloropropane	63		11.955				ND	
56 1,4-Dioxane	88	12.078	12.073	0.005	91	30051	1.17	
58 Dichlorobromomethane	83		12.307				ND	
60 cis-1,3-Dichloropropene	75		12.937				ND	
61 4-Methyl-2-pentanone (MIBK)	43		13.081				ND	
64 Toluene	92	13.364	13.364	0.000	93	114942	1.01	
66 trans-1,3-Dichloropropene	75		13.732				ND	
67 1,1,2-Trichloroethane	83		14.005				ND	
68 Tetrachloroethene	166	14.138	14.133	0.005	97	39465	0.3803	
69 2-Hexanone	43		14.255				ND	
70 Chlorodibromomethane	129		14.554				ND	
71 Ethylene Dibromide	107		14.757				ND	
* 72 Chlorobenzene-d5	117	15.307	15.312	-0.005	83	1766686	10.0	
73 Chlorobenzene	112		15.349				ND	
74 Ethylbenzene	91	15.413	15.413	0.000	98	50742	0.2067	
76 m-Xylene & p-Xylene	106	15.557	15.558	-0.001	0	68671	0.6875	
S 77 Xylenes, Total	106				0		0.9536	
78 o-Xylene	106	16.070	16.070	0.000	99	26546	0.2661	
79 Styrene	104		16.091				ND	
80 Bromoform	173		16.385				ND	
83 1,1,2,2-Tetrachloroethane	83		16.886				ND	
87 4-Ethyltoluene	105	17.078	17.079	-0.001	98	29176	0.1006	
88 2-Chlorotoluene	91		17.121				ND	
89 1,3,5-Trimethylbenzene	105	17.143	17.143	-0.001	95	20779	0.0875	
92 1,2,4-Trimethylbenzene	105	17.591	17.596	-0.005	97	83620	0.3471	
95 1,3-Dichlorobenzene	146		18.018				ND	
96 1,4-Dichlorobenzene	146		18.130				ND	
100 1,2-Dichlorobenzene	146		18.621				ND	
103 1,2,4-Trichlorobenzene	180		21.017				ND	
104 Hexachlorobutadiene	225		21.183				ND	

Reagents:

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 14-Jan-2016 11:43:58

Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_09.D

Injection Date: 13-Jan-2016 16:47:30

Instrument ID: CHB.i

Operator ID: pad

Lims ID: 200-31474-A-1

Lab Sample ID: 200-31474-1

Worklist Smp#: 9

Client ID: AS Effluent 1Q16

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

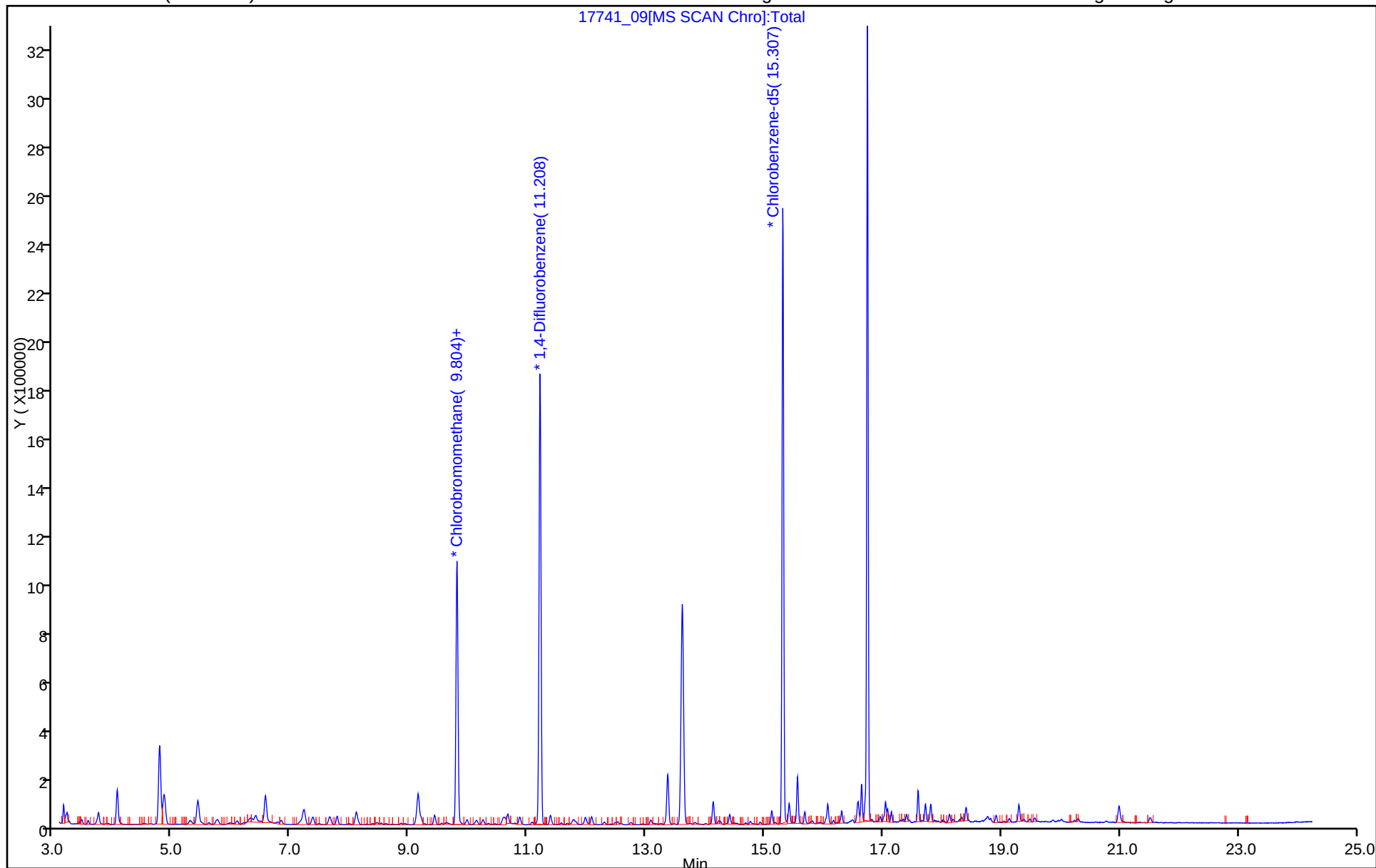
ALS Bottle#: 11

Method: TO15_LL NJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHB.i\\20160113-17741.b\\17741_09.D

Injection Date: 13-Jan-2016 16:47:30

Instrument ID: CHB.i

Lims ID: 200-31474-A-1

Lab Sample ID: 200-31474-1

Client ID: AS Effluent 1Q16

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 9

Purge Vol: 5.000 mL

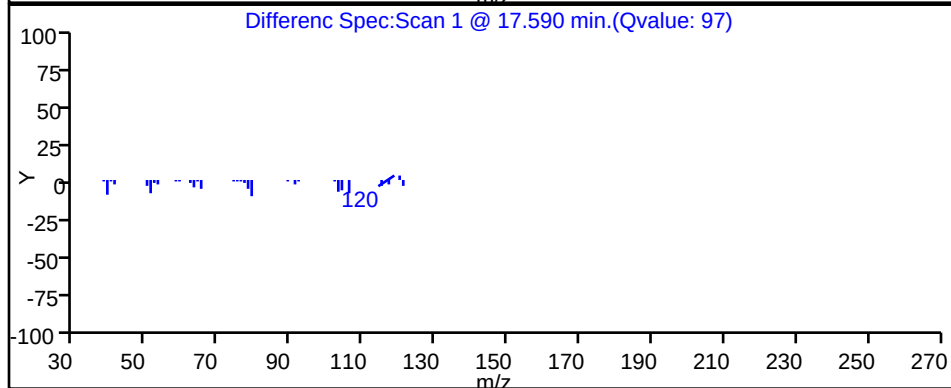
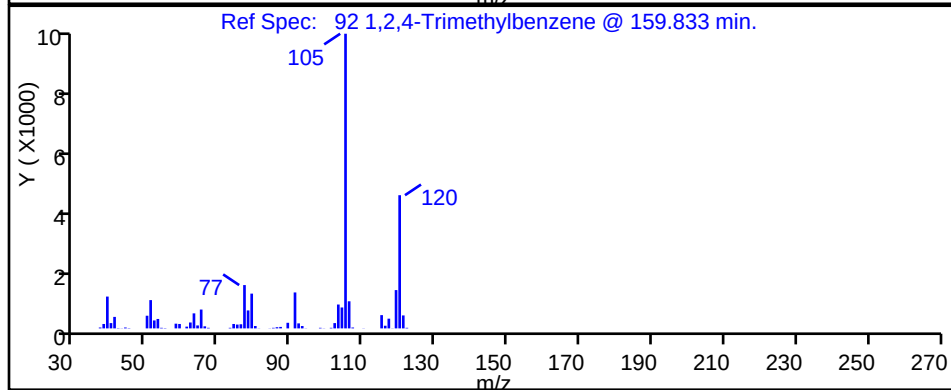
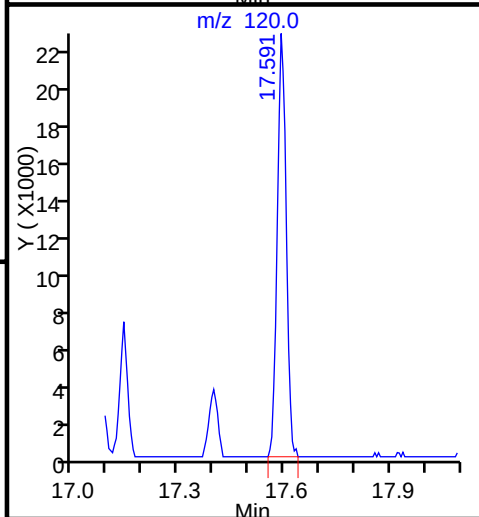
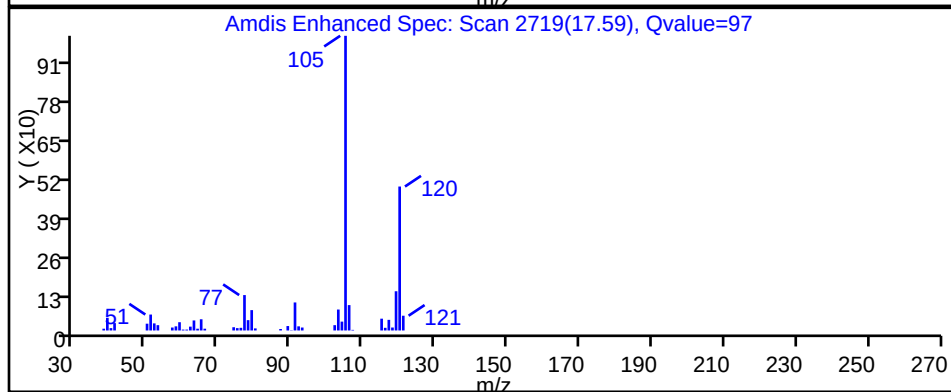
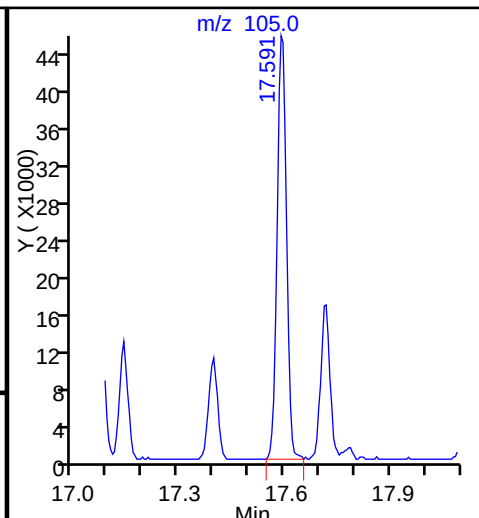
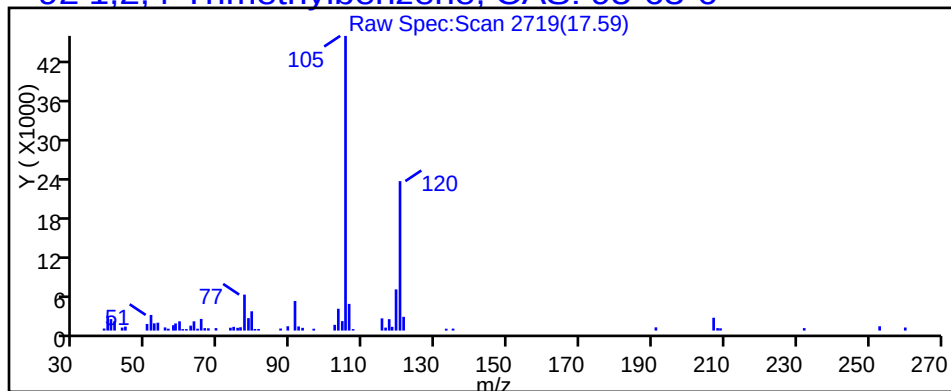
Dil. Factor: 1.0000

Method: TO15_LL NJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

92 1,2,4-Trimethylbenzene, CAS: 95-63-6

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_09.D

Injection Date: 13-Jan-2016 16:47:30

Instrument ID: CHB.i

Lims ID: 200-31474-A-1

Lab Sample ID: 200-31474-1

Client ID: AS Effluent 1Q16

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 9

Purge Vol: 5.000 mL

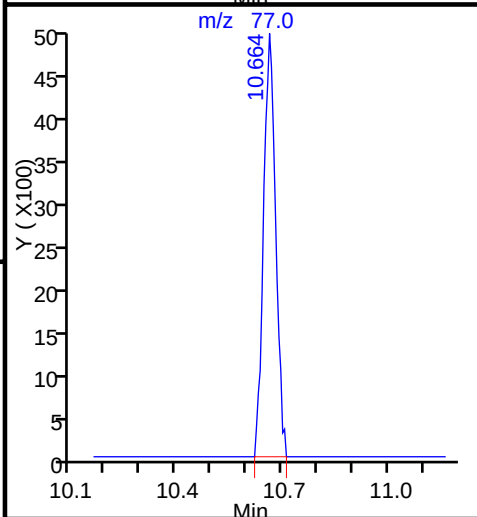
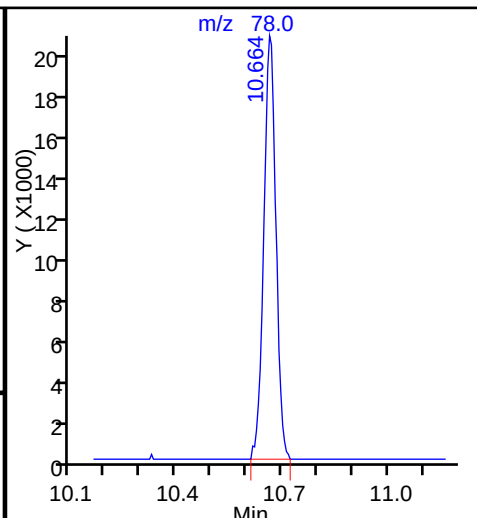
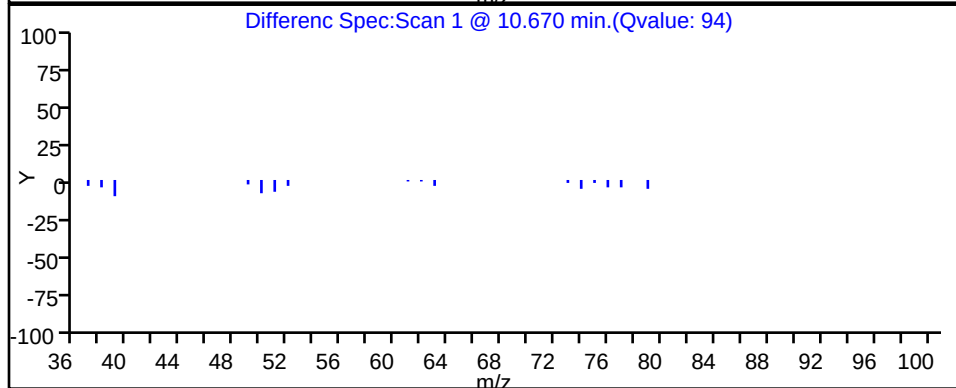
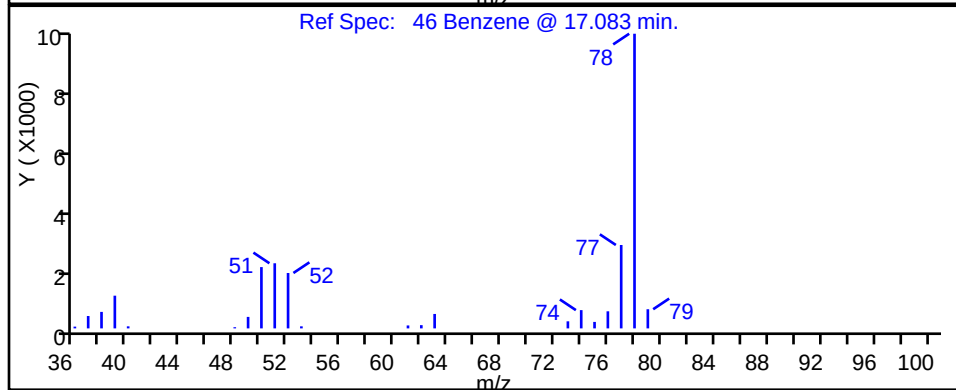
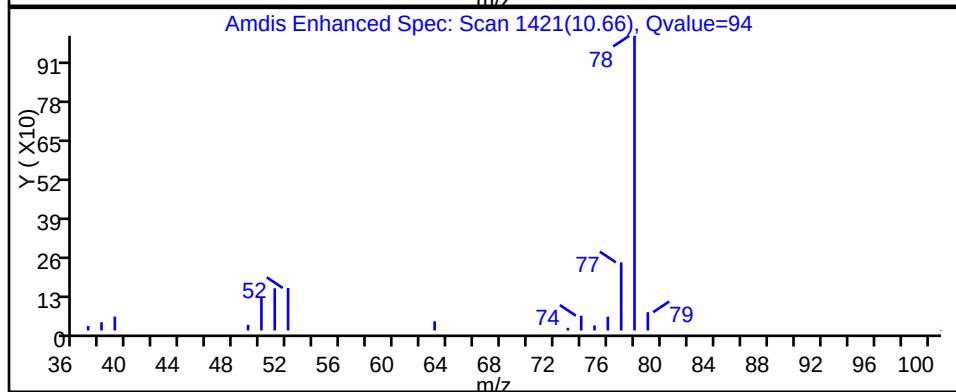
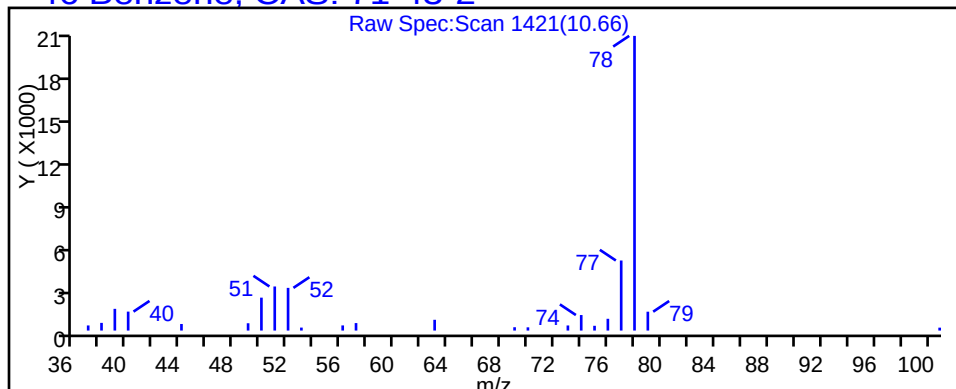
Dil. Factor: 1.0000

Method: TO15_LL NJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

46 Benzene, CAS: 71-43-2

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_09.D

Injection Date: 13-Jan-2016 16:47:30

Instrument ID: CHB.i

Lims ID: 200-31474-A-1

Lab Sample ID: 200-31474-1

Client ID: AS Effluent 1Q16

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 9

Purge Vol: 5.000 mL

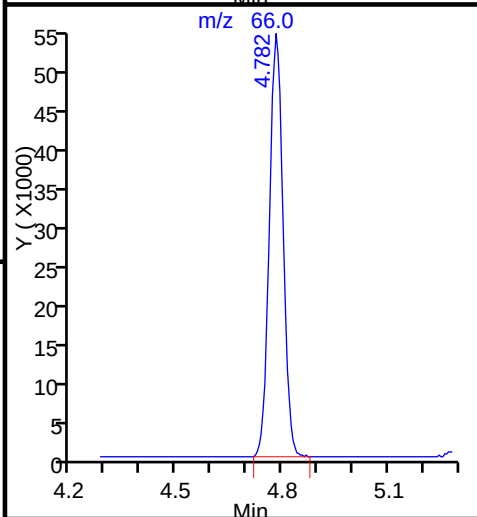
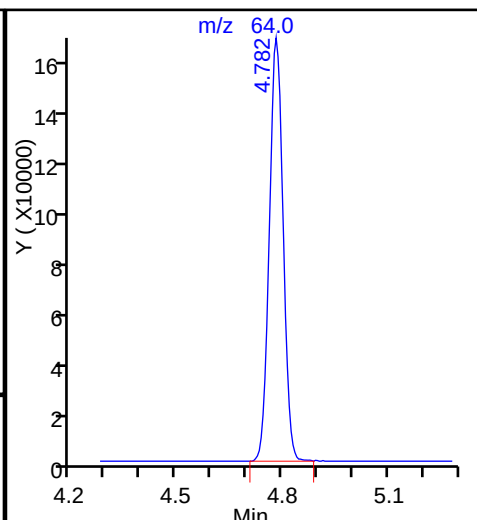
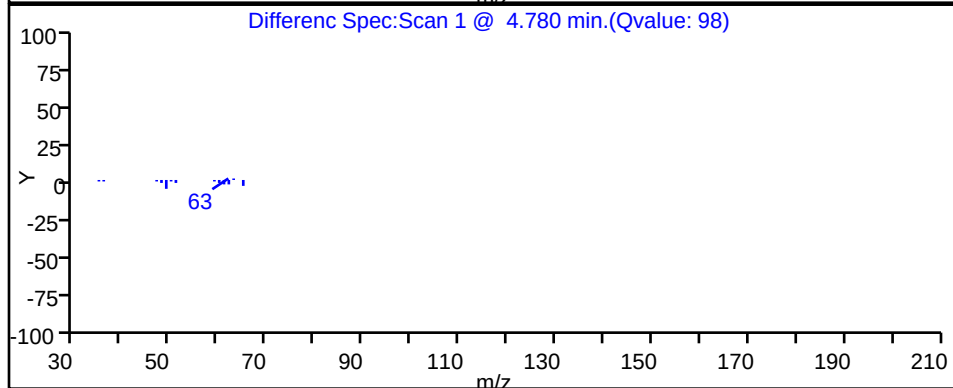
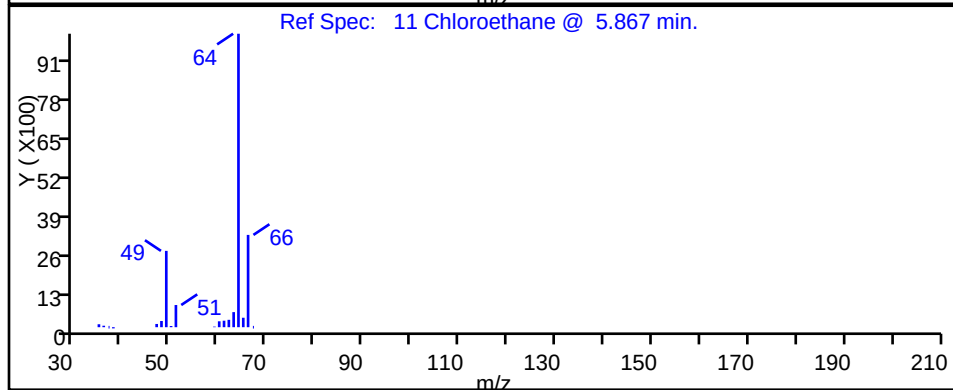
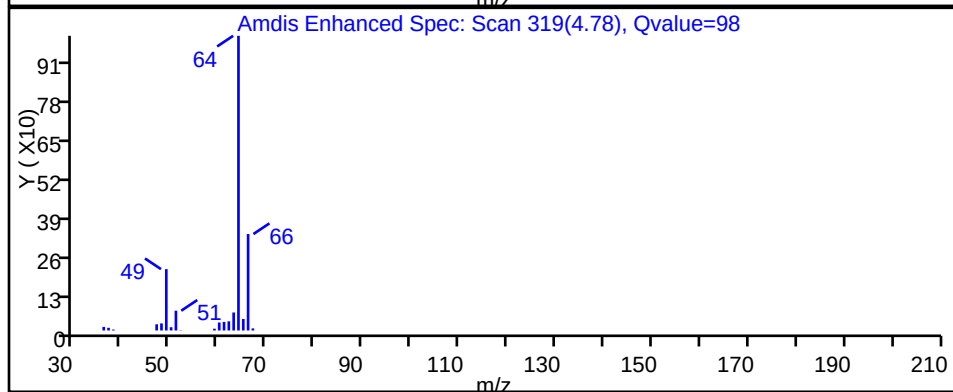
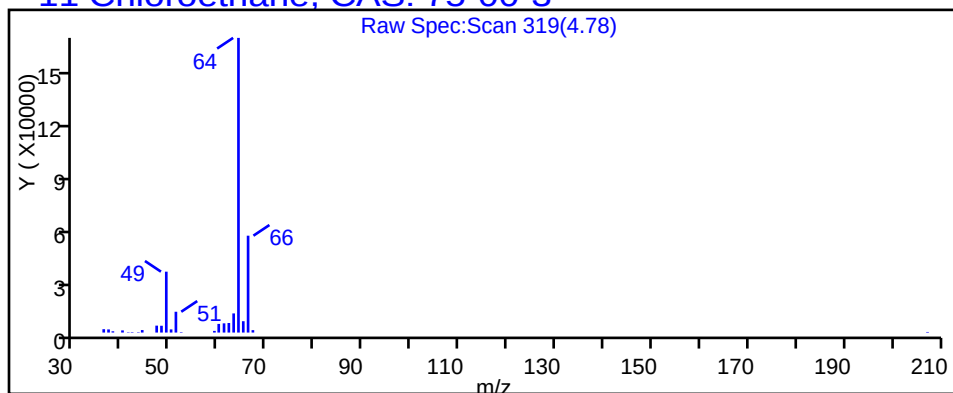
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

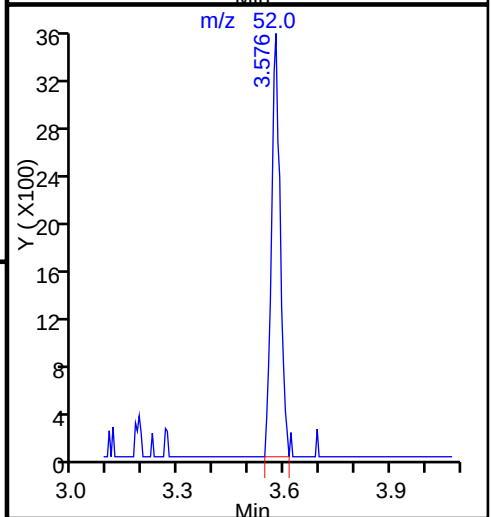
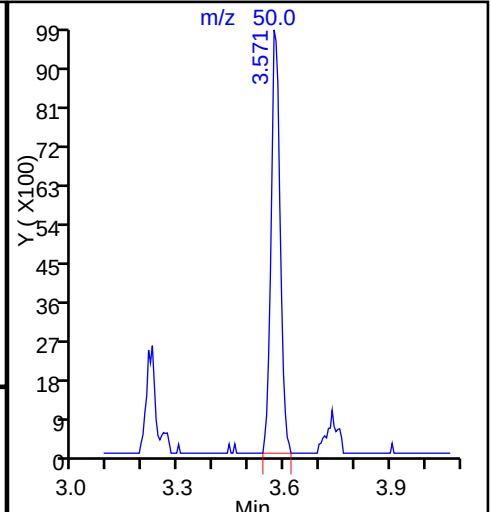
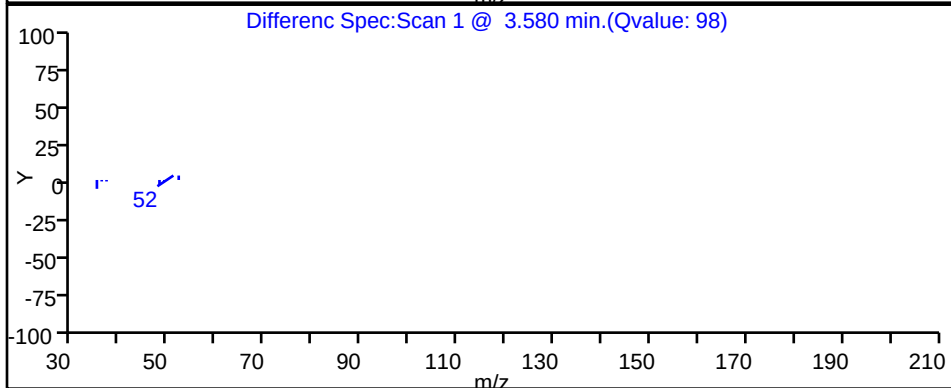
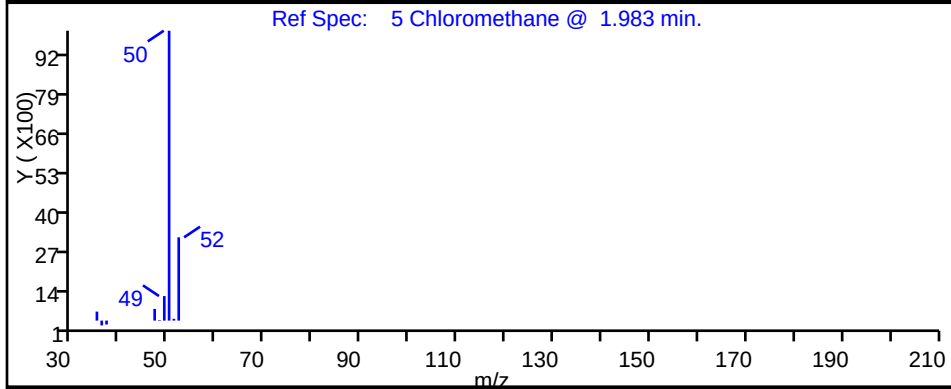
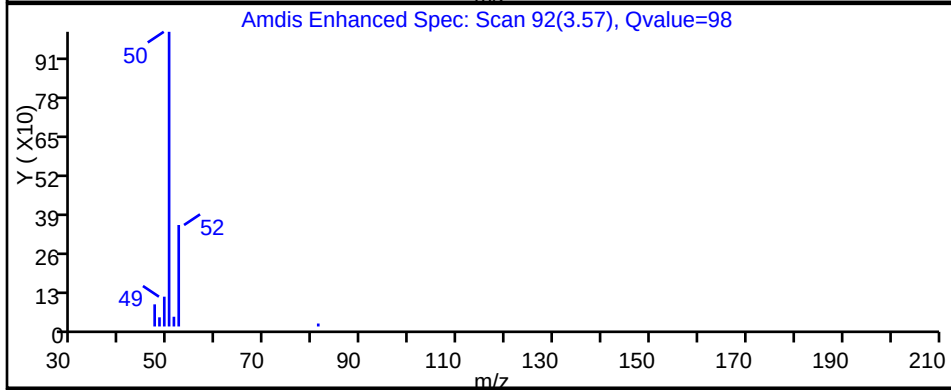
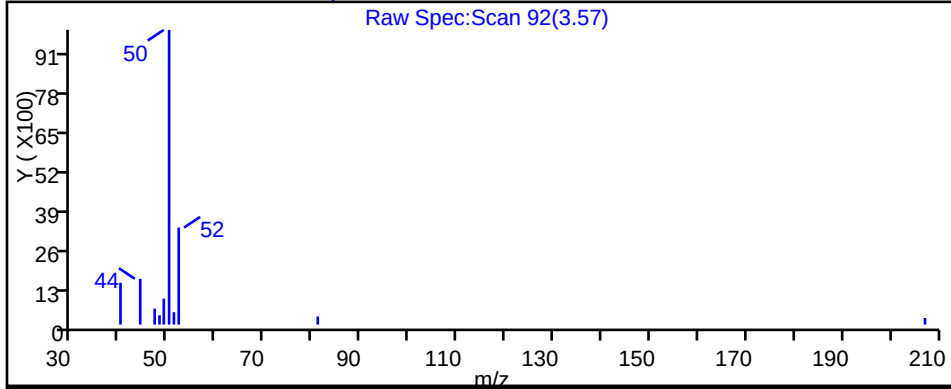
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

11 Chloroethane, CAS: 75-00-3

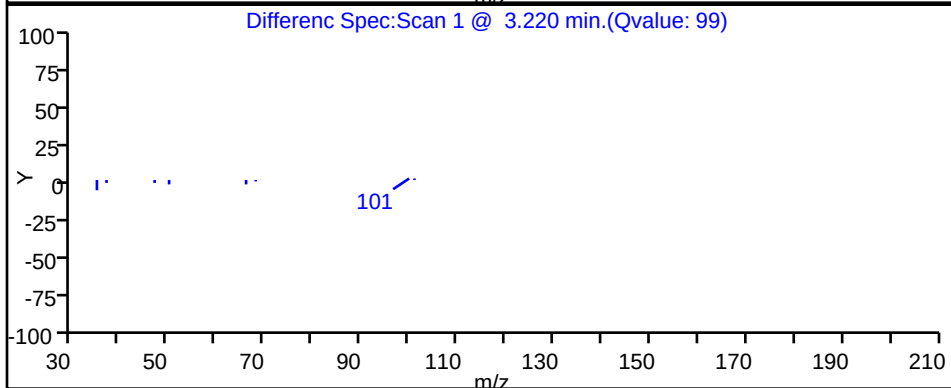
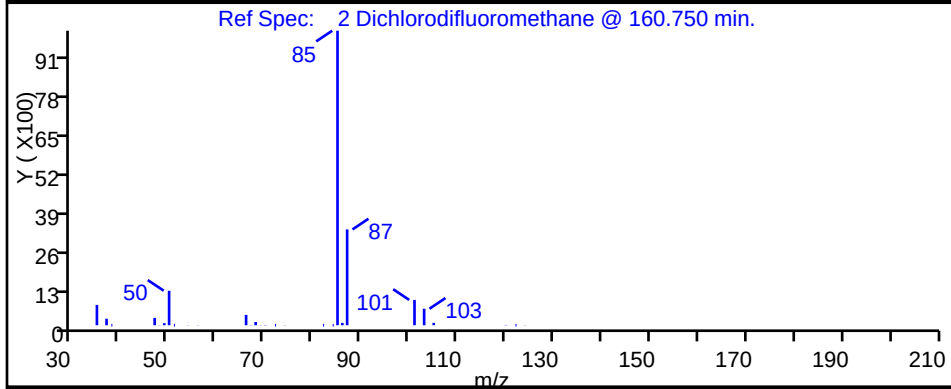
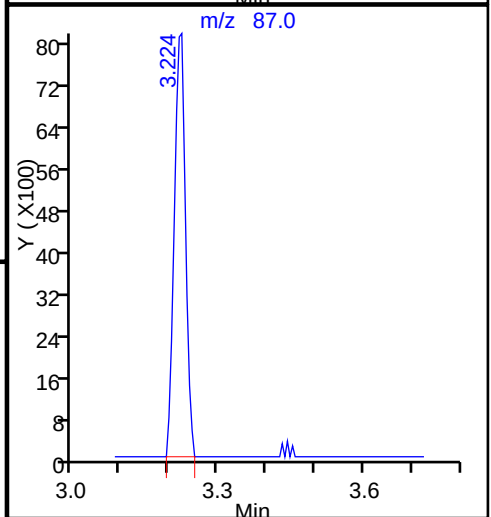
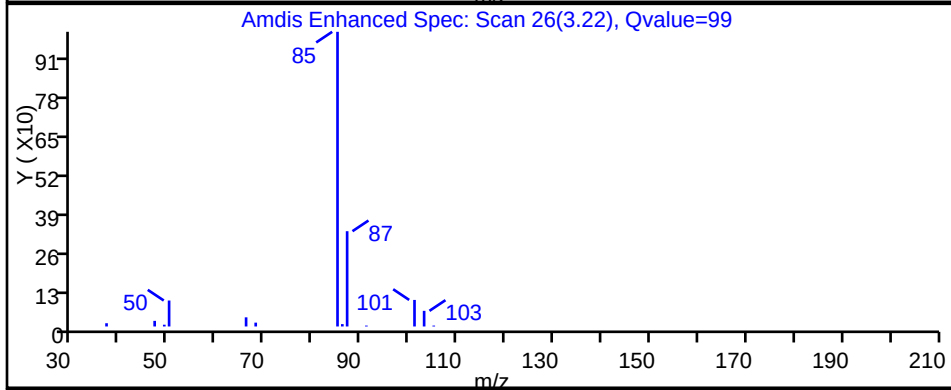
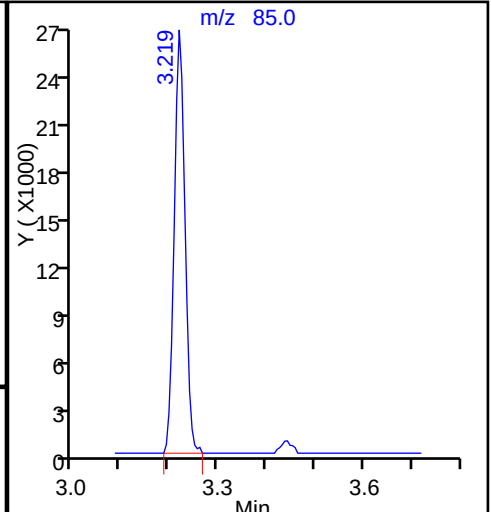
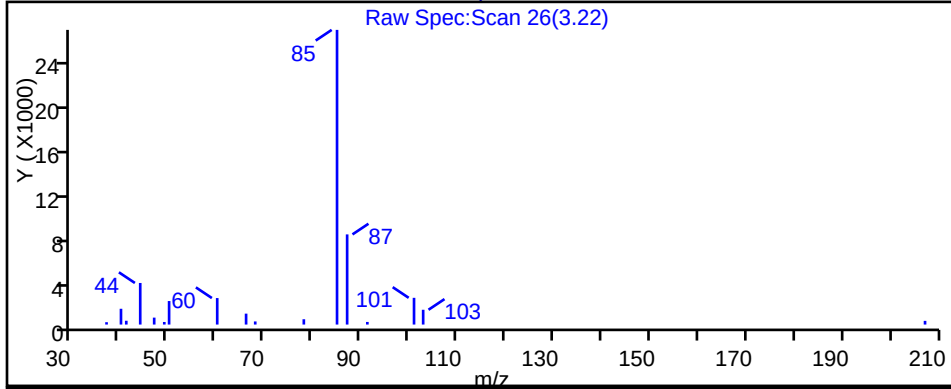
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_09.D
Injection Date: 13-Jan-2016 16:47:30 Instrument ID: CHB.i
Lims ID: 200-31474-A-1 Lab Sample ID: 200-31474-1
Client ID: AS Effluent 1Q16
Operator ID: pad ALS Bottle#: 11 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

5 Chloromethane, CAS: 74-87-3

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_09.D
Injection Date: 13-Jan-2016 16:47:30 Instrument ID: CHB.i
Lims ID: 200-31474-A-1 Lab Sample ID: 200-31474-1
Client ID: AS Effluent 1Q16
Operator ID: pad ALS Bottle#: 11 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_09.D

Injection Date: 13-Jan-2016 16:47:30

Instrument ID: CHB.i

Lims ID: 200-31474-A-1

Lab Sample ID: 200-31474-1

Client ID: AS Effluent 1Q16

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 9

Purge Vol: 5.000 mL

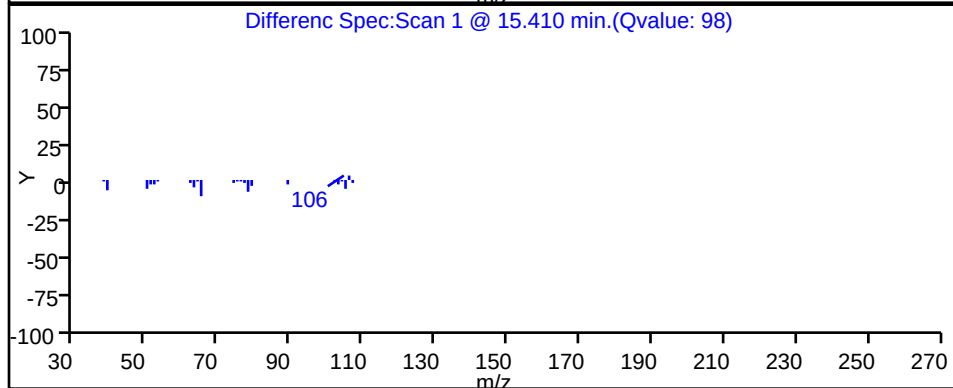
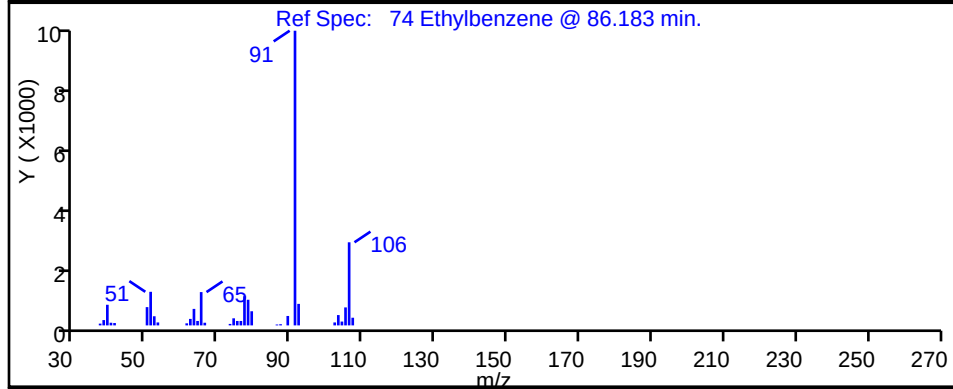
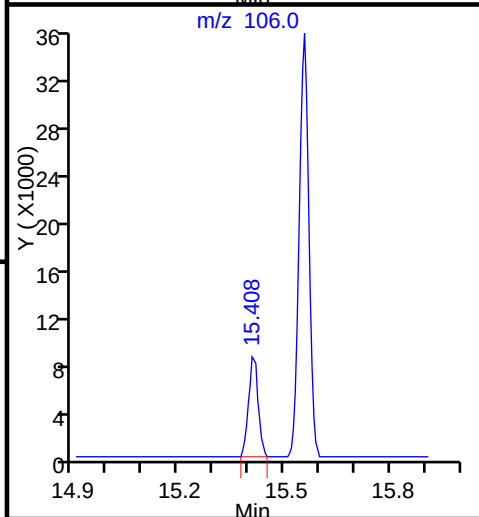
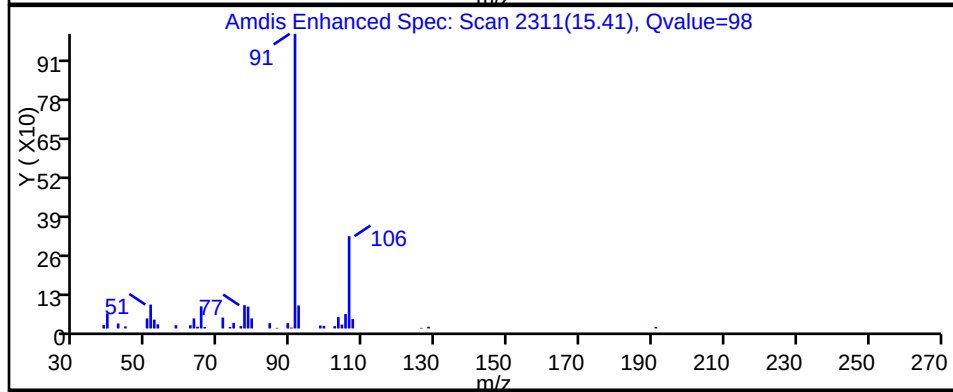
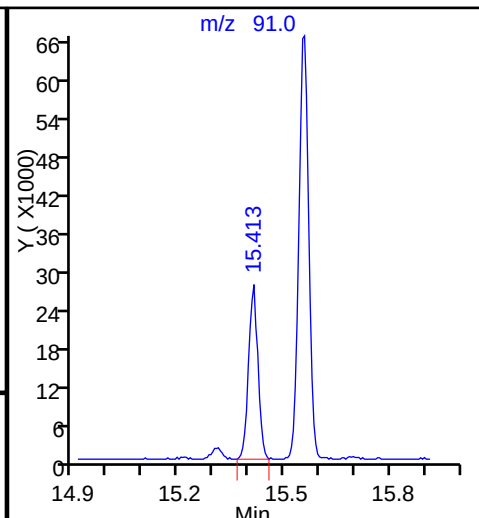
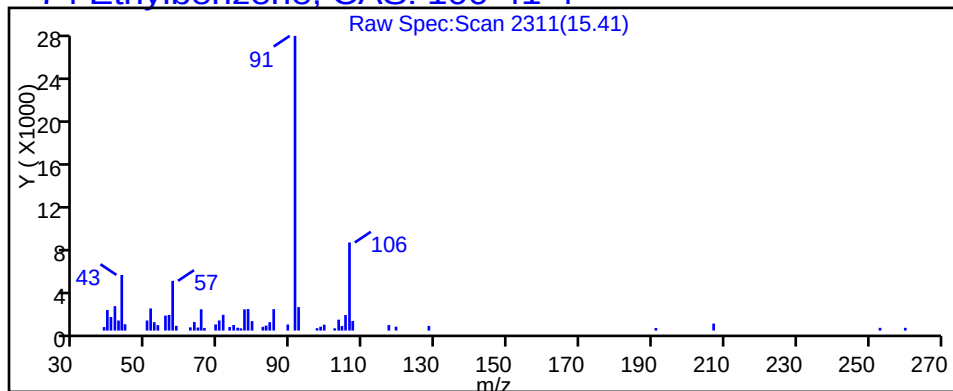
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

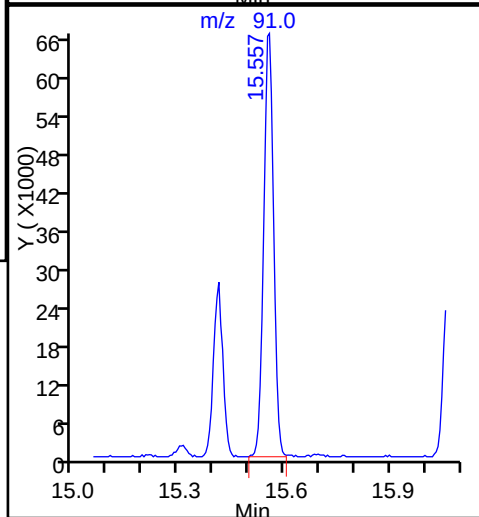
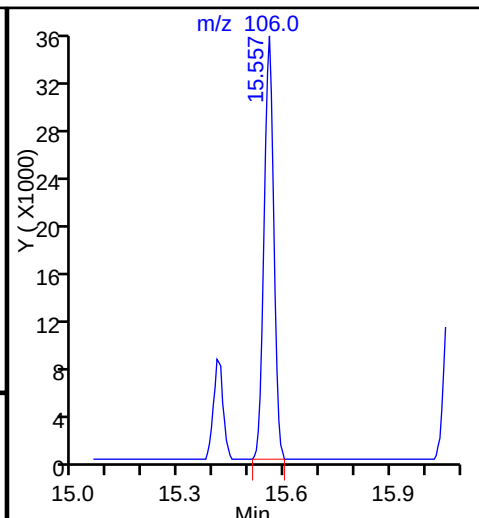
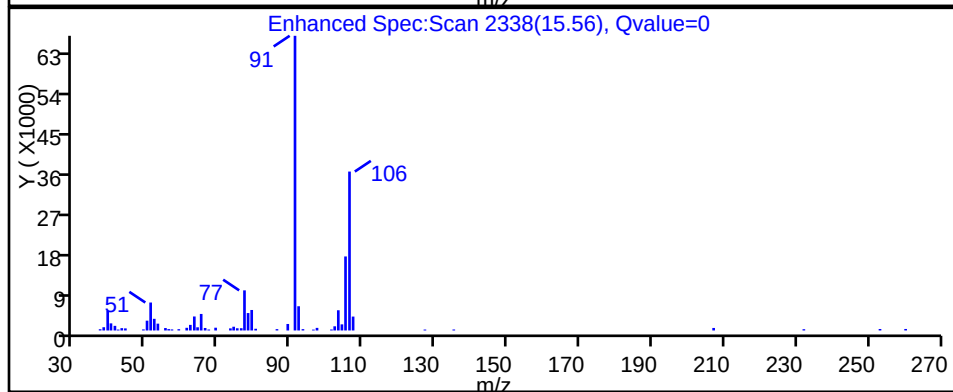
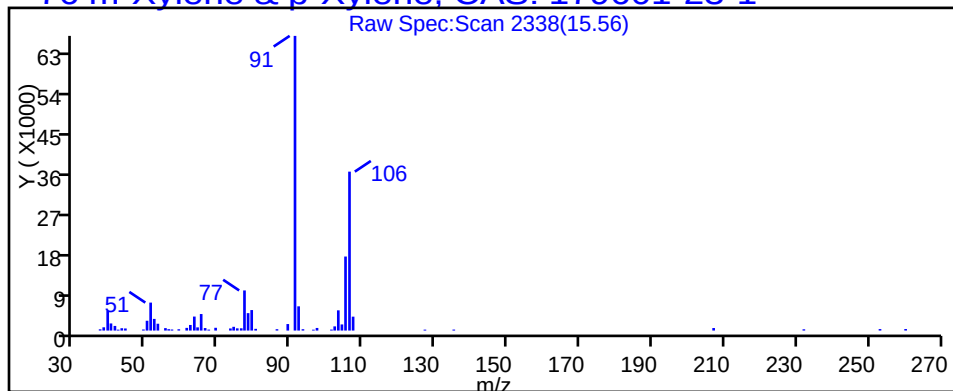
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

74 Ethylbenzene, CAS: 100-41-4

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_09.D
Injection Date: 13-Jan-2016 16:47:30 Instrument ID: CHB.i
Lims ID: 200-31474-A-1 Lab Sample ID: 200-31474-1
Client ID: AS Effluent 1Q16
Operator ID: pad ALS Bottle#: 11 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

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

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_09.D

Injection Date: 13-Jan-2016 16:47:30

Instrument ID: CHB.i

Lims ID: 200-31474-A-1

Lab Sample ID: 200-31474-1

Client ID: AS Effluent 1Q16

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 9

Purge Vol: 5.000 mL

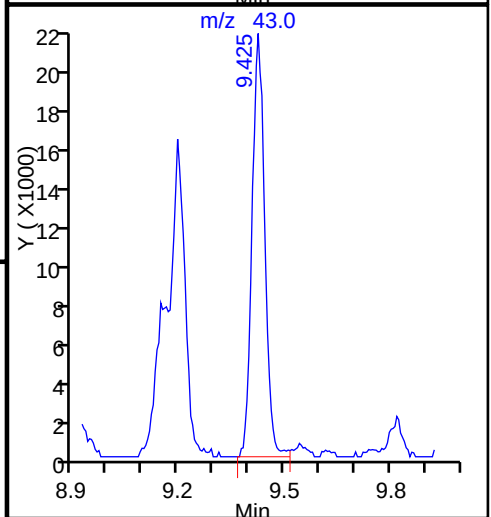
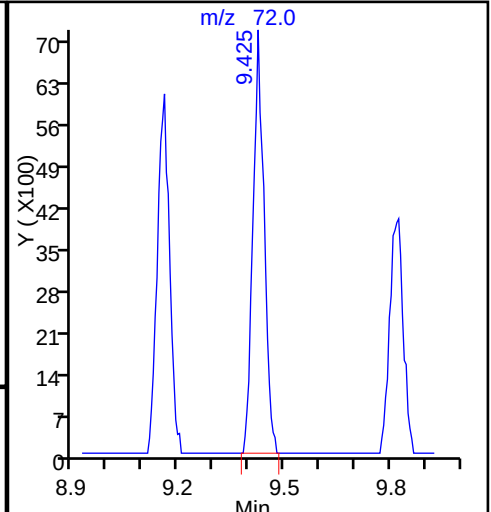
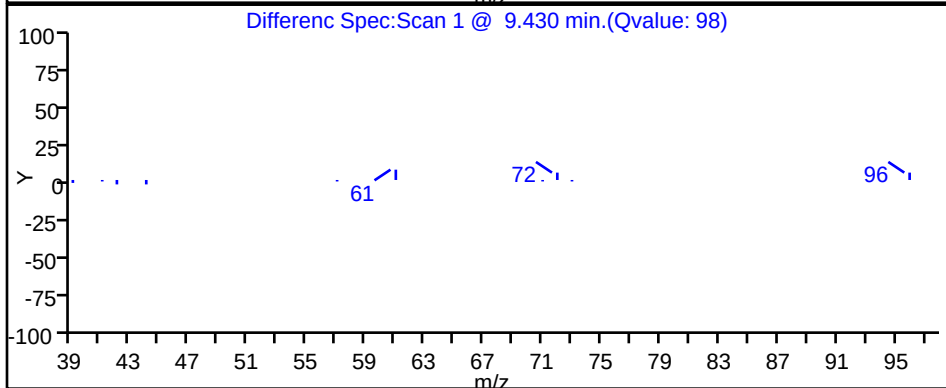
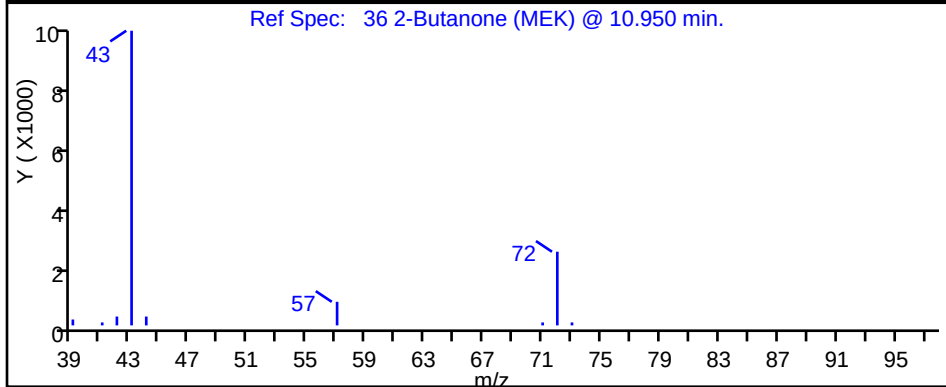
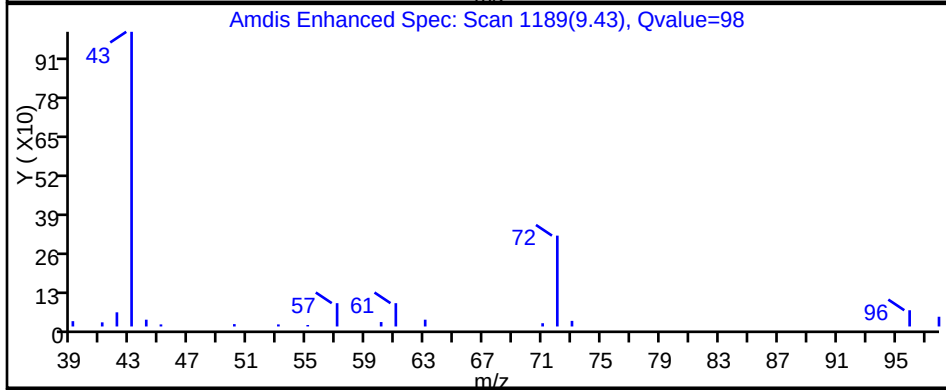
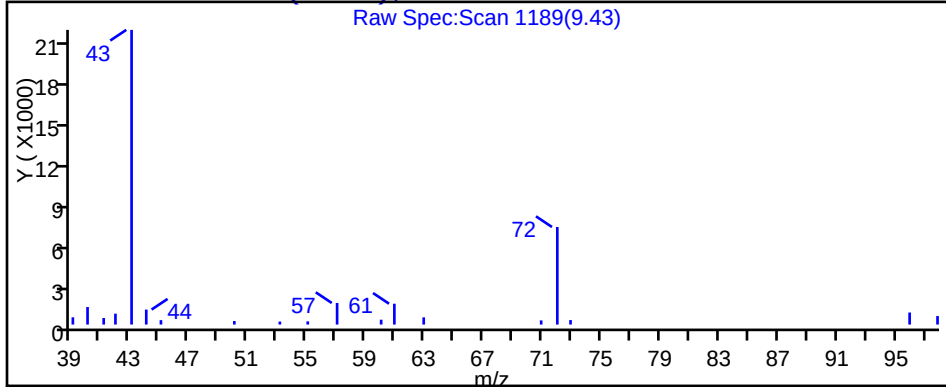
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

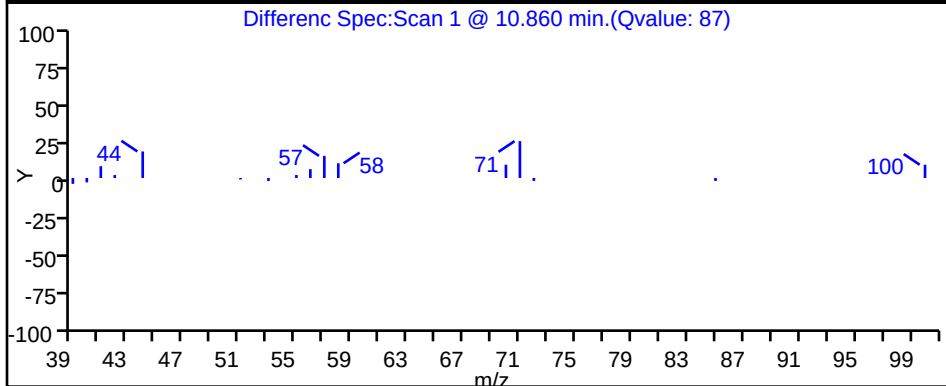
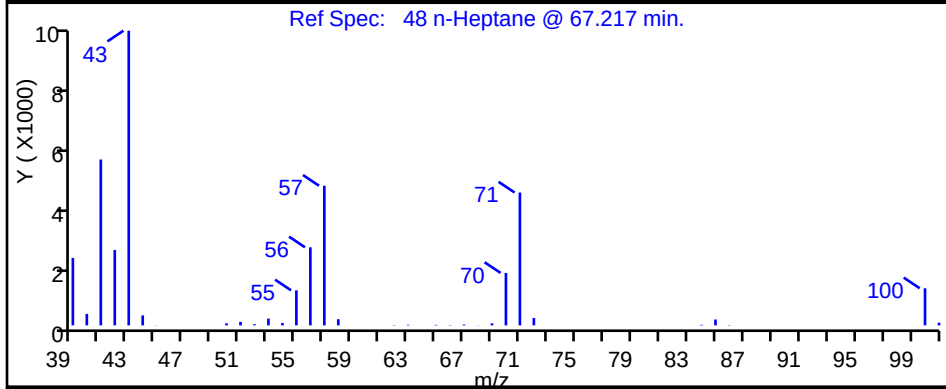
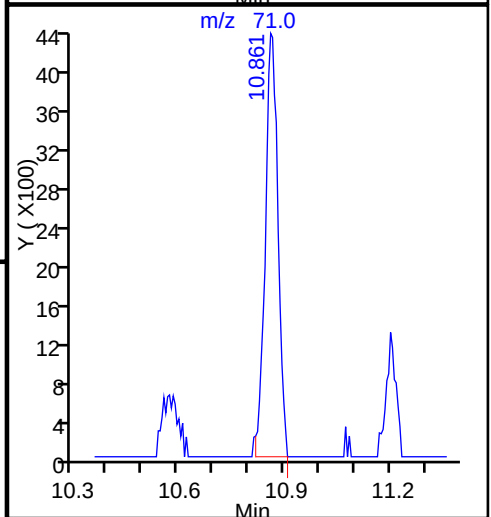
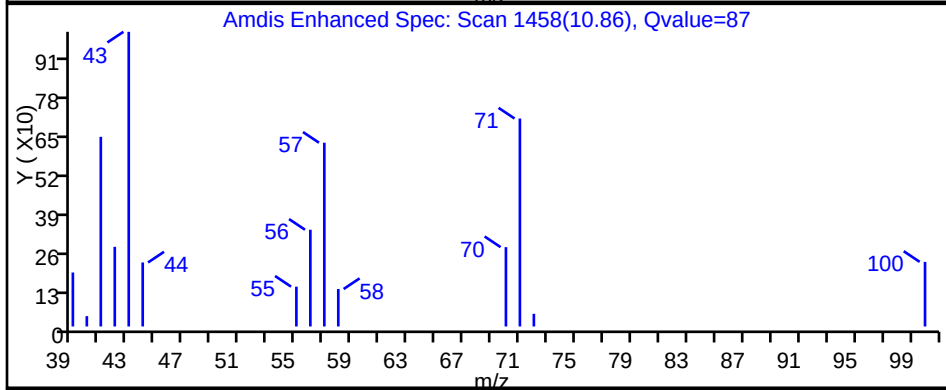
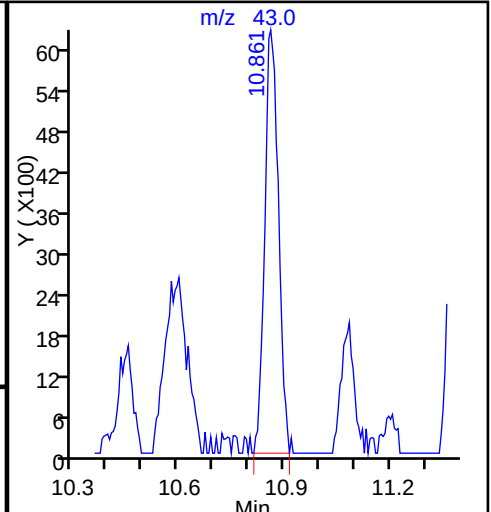
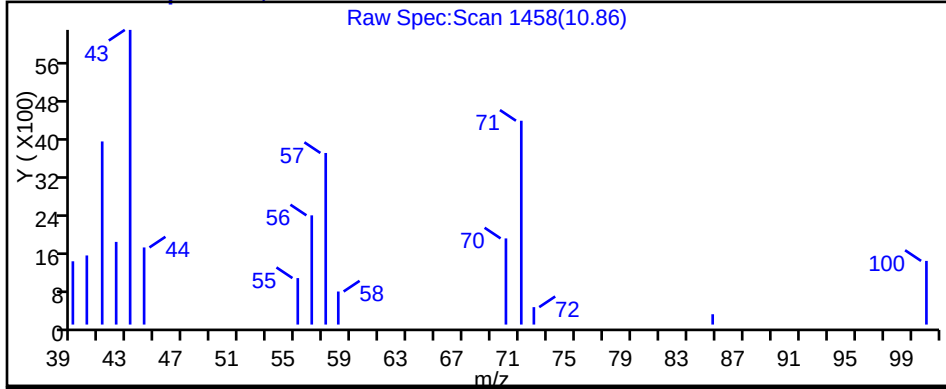
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

36 2-Butanone (MEK), CAS: 78-93-3

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_09.D
Injection Date: 13-Jan-2016 16:47:30 Instrument ID: CHB.i
Lims ID: 200-31474-A-1 Lab Sample ID: 200-31474-1
Client ID: AS Effluent 1Q16
Operator ID: pad ALS Bottle#: 11 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

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

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_09.D

Injection Date: 13-Jan-2016 16:47:30

Instrument ID: CHB.i

Lims ID: 200-31474-A-1

Lab Sample ID: 200-31474-1

Client ID: AS Effluent 1Q16

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 9

Purge Vol: 5.000 mL

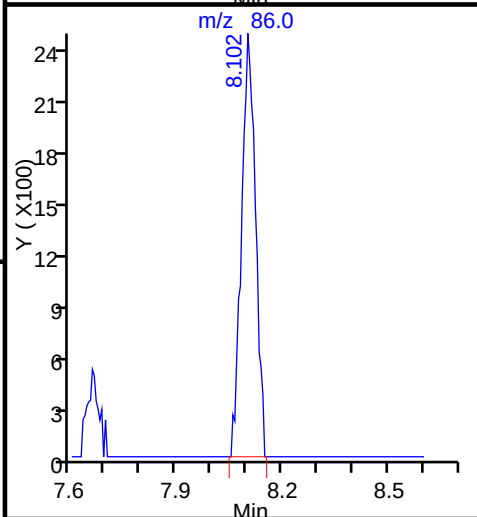
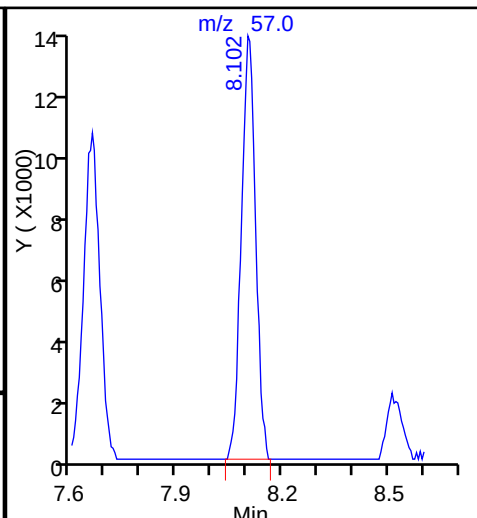
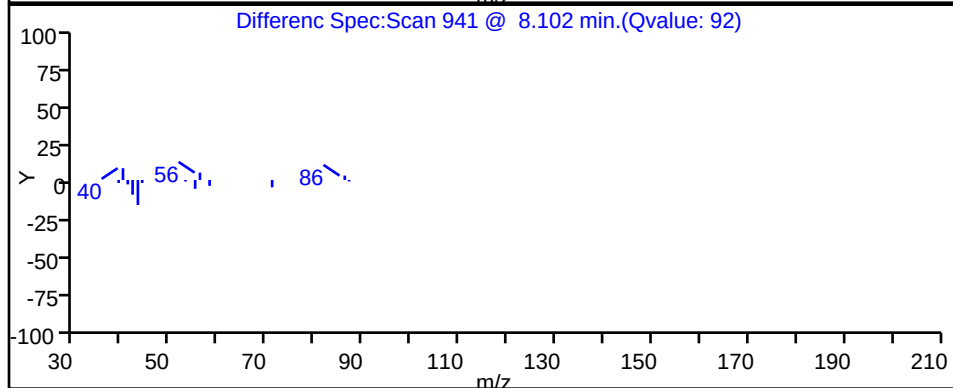
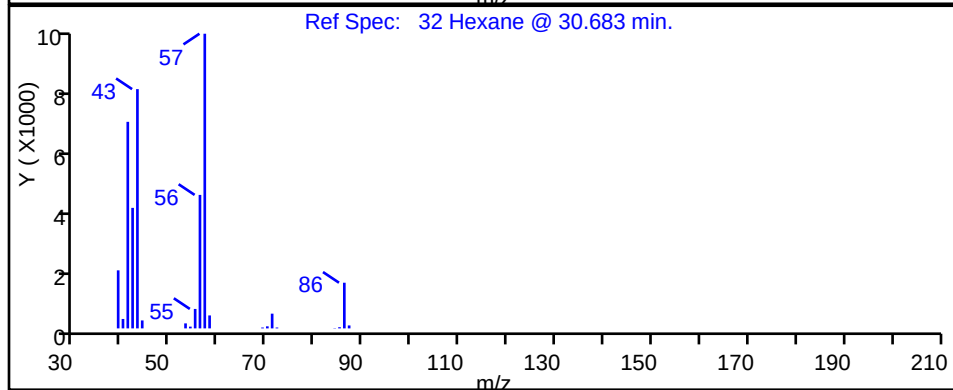
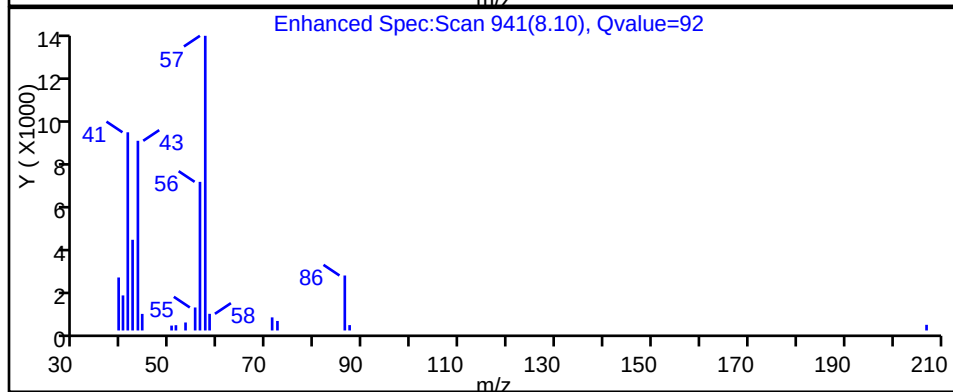
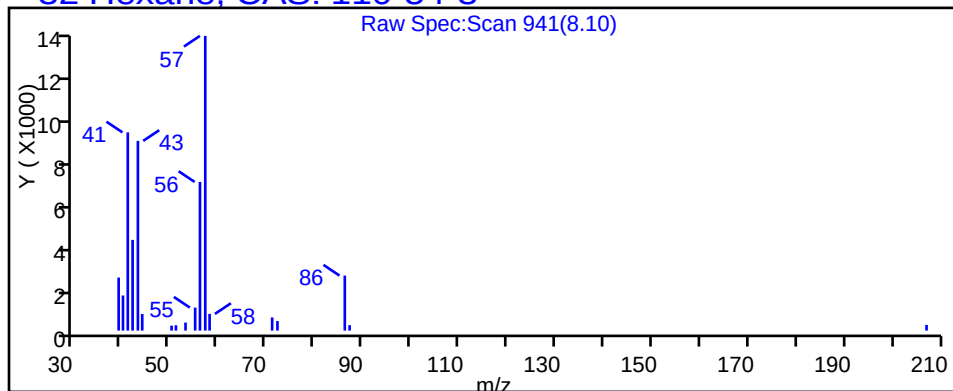
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

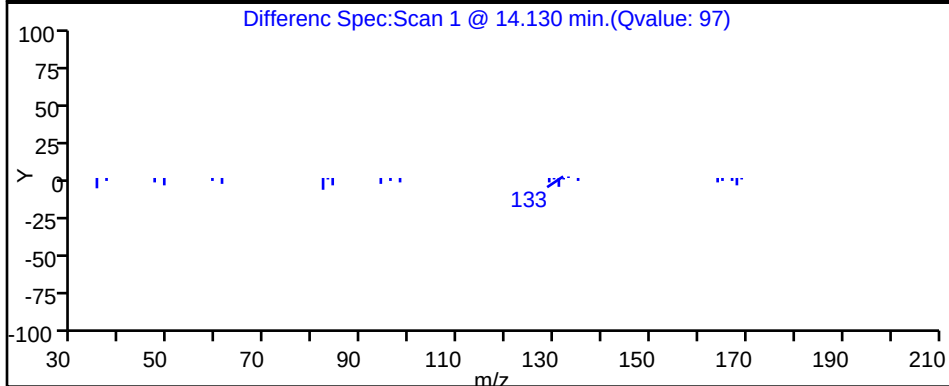
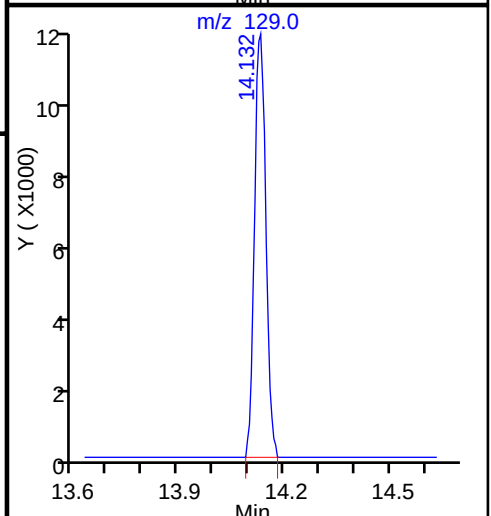
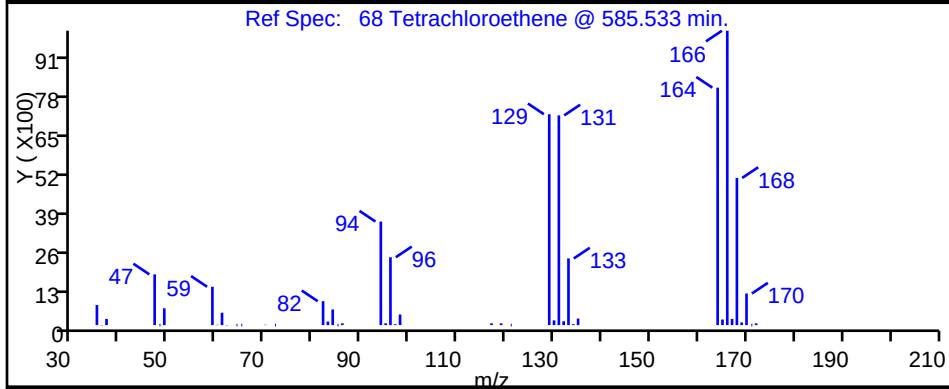
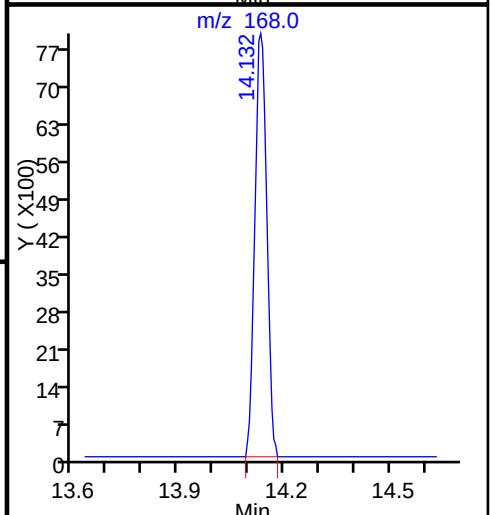
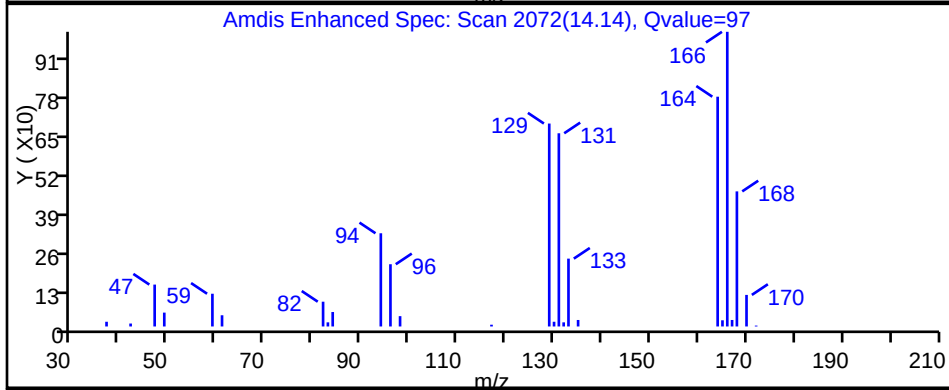
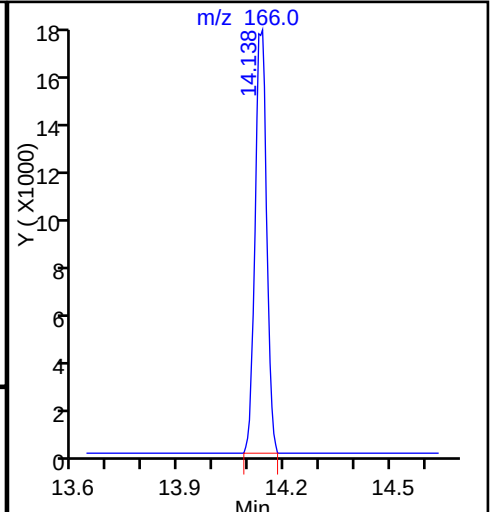
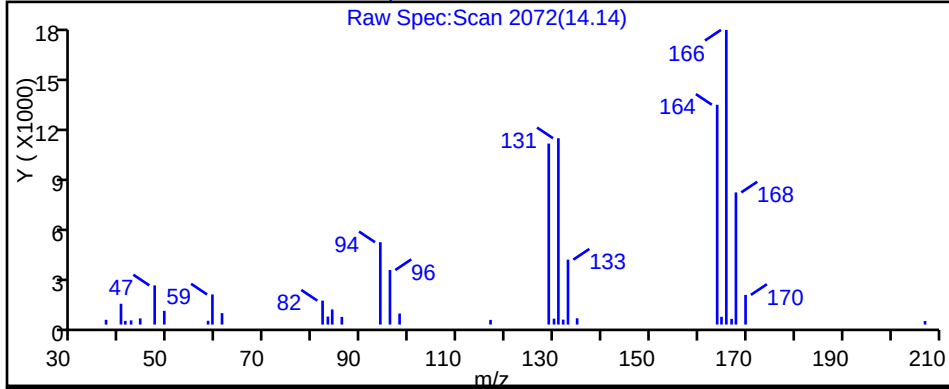
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

32 Hexane, CAS: 110-54-3

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_09.D
Injection Date: 13-Jan-2016 16:47:30 Instrument ID: CHB.i
Lims ID: 200-31474-A-1 Lab Sample ID: 200-31474-1
Client ID: AS Effluent 1Q16
Operator ID: pad ALS Bottle#: 11 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

68 Tetrachloroethene, CAS: 127-18-4

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHB.i\\20160113-17741.b\\17741_09.D

Injection Date: 13-Jan-2016 16:47:30

Instrument ID: CHB.i

Lims ID: 200-31474-A-1

Lab Sample ID: 200-31474-1

Client ID: AS Effluent 1Q16

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 9

Purge Vol: 5.000 mL

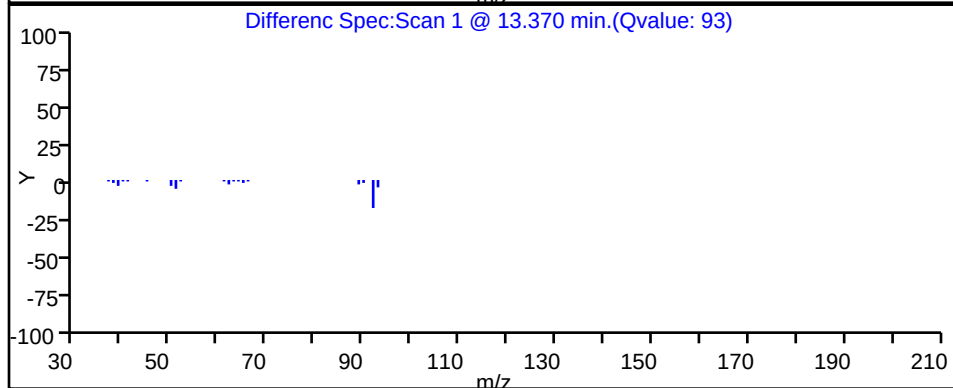
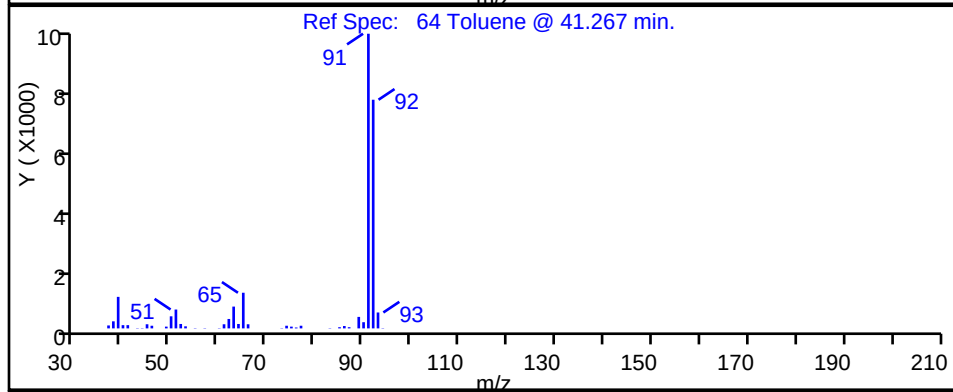
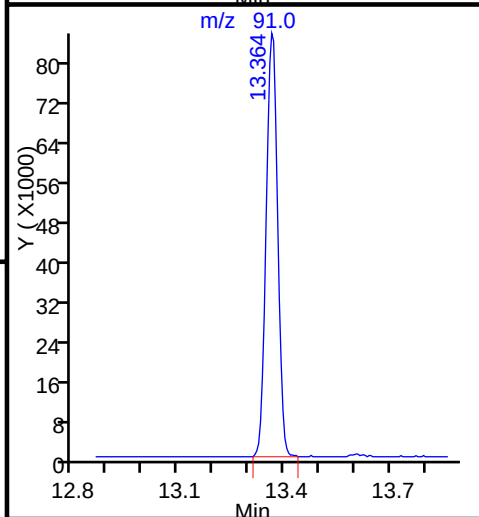
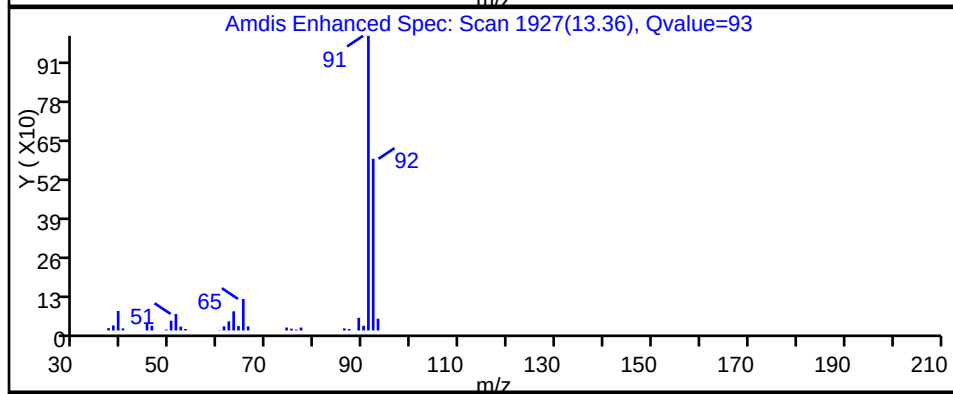
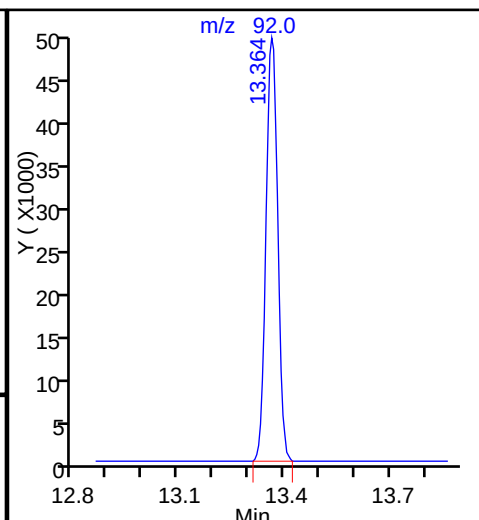
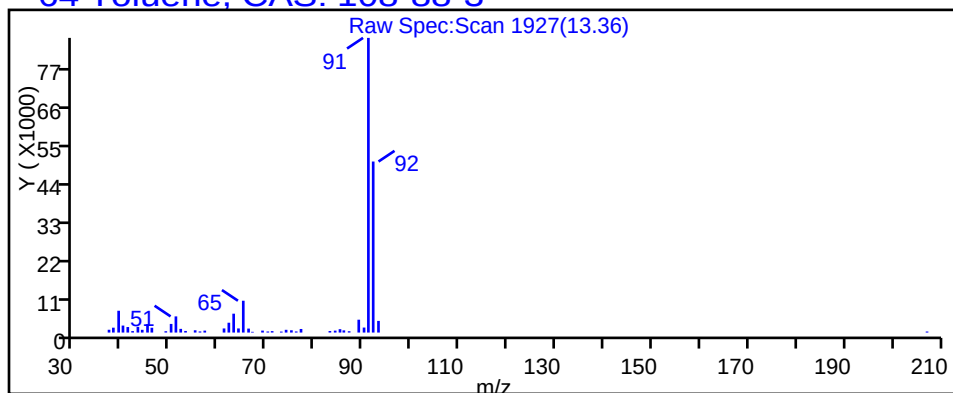
Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

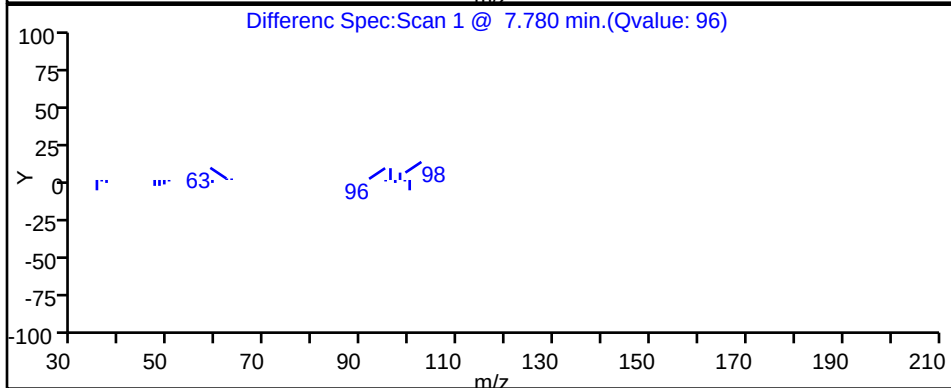
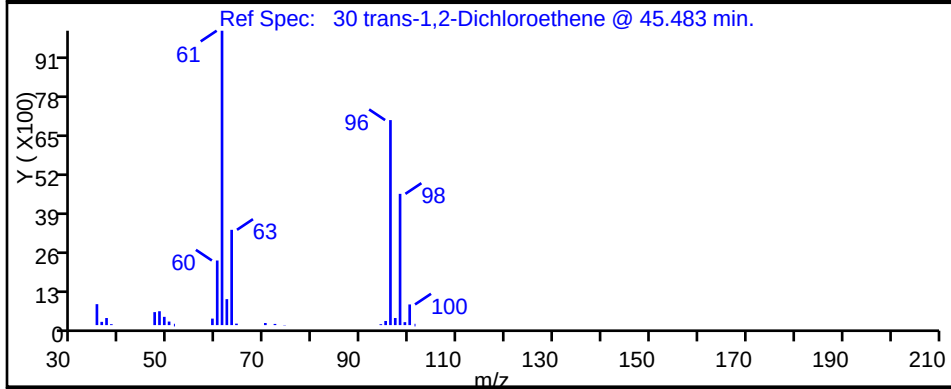
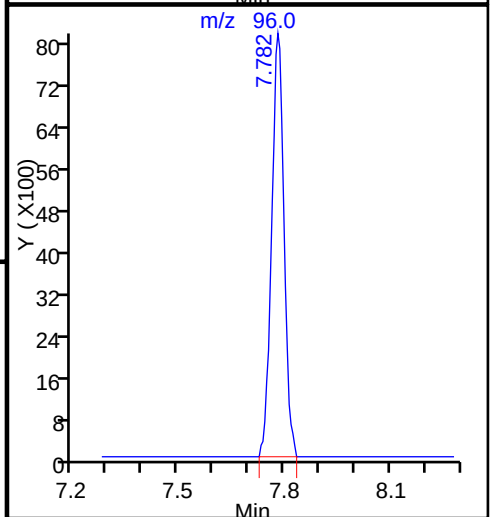
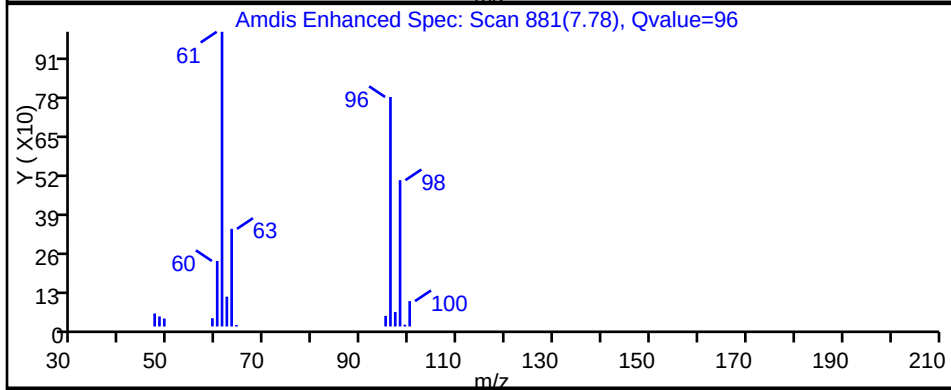
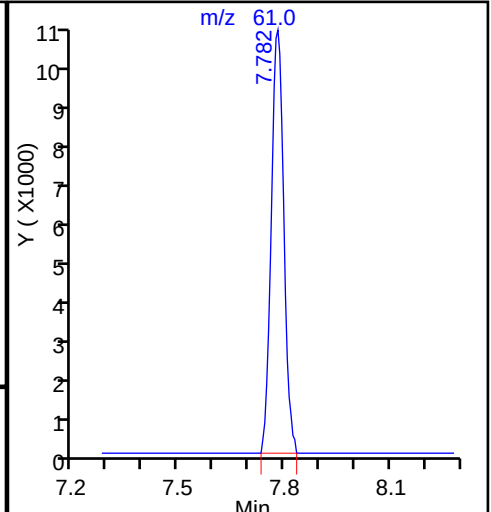
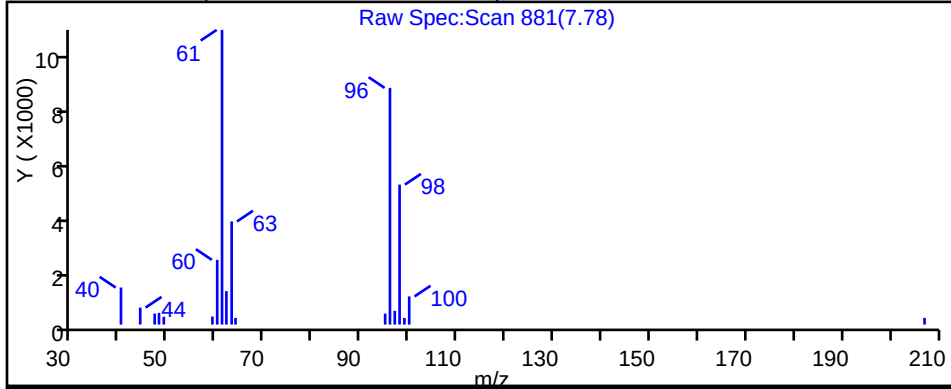
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

64 Toluene, CAS: 108-88-3

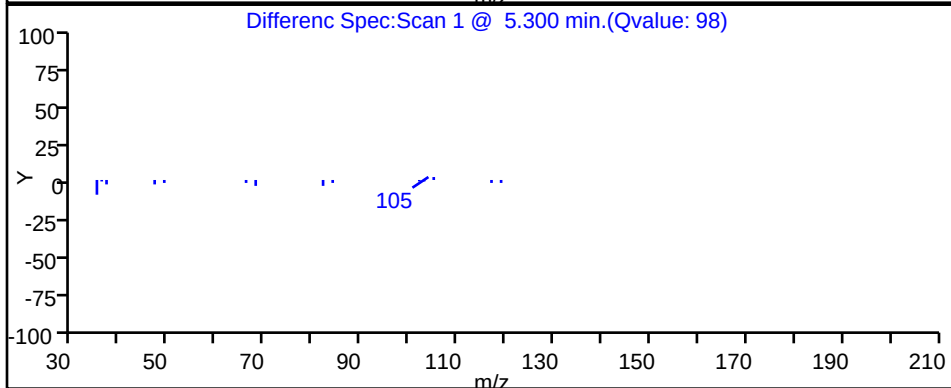
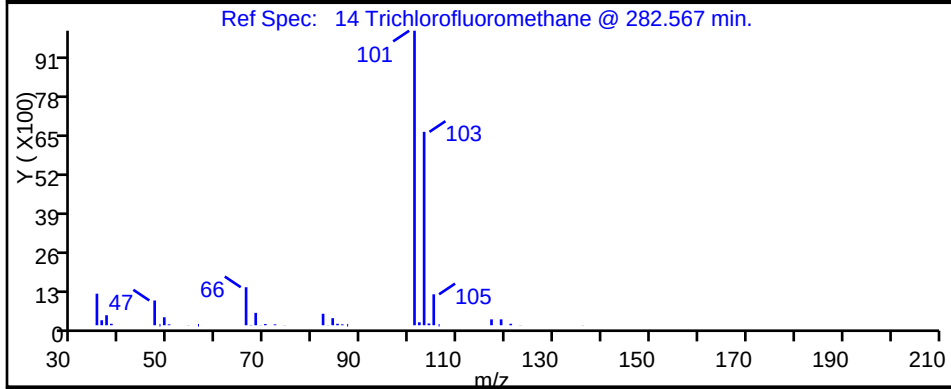
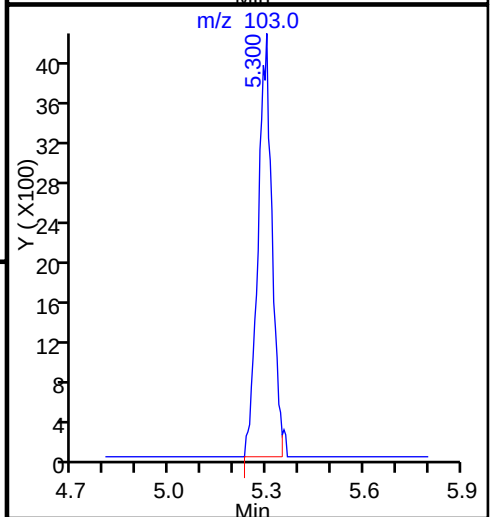
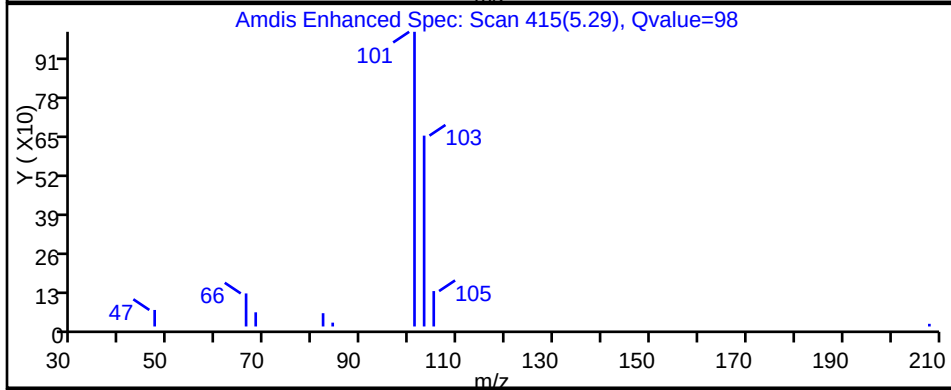
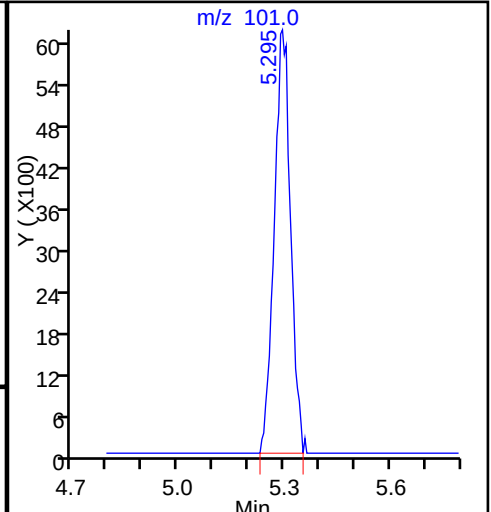
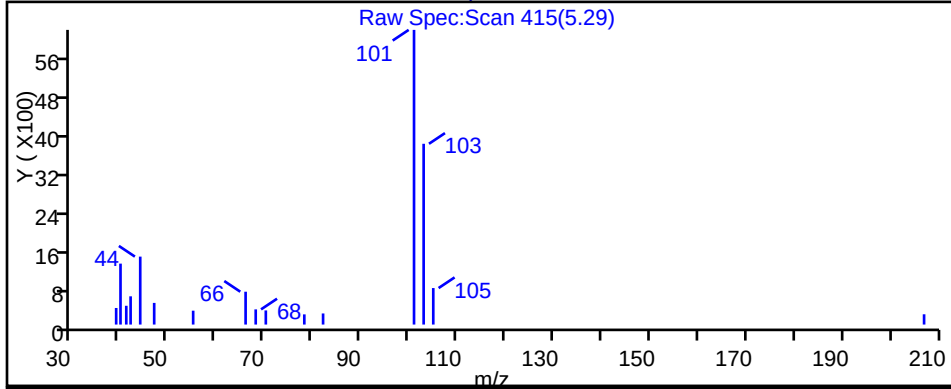
TestAmerica Burlington

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Injection Date: 13-Jan-2016 16:47:30 Instrument ID: CHB.i
Lims ID: 200-31474-A-1 Lab Sample ID: 200-31474-1
Client ID: AS Effluent 1Q16
Operator ID: pad ALS Bottle#: 11 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

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

TestAmerica Burlington

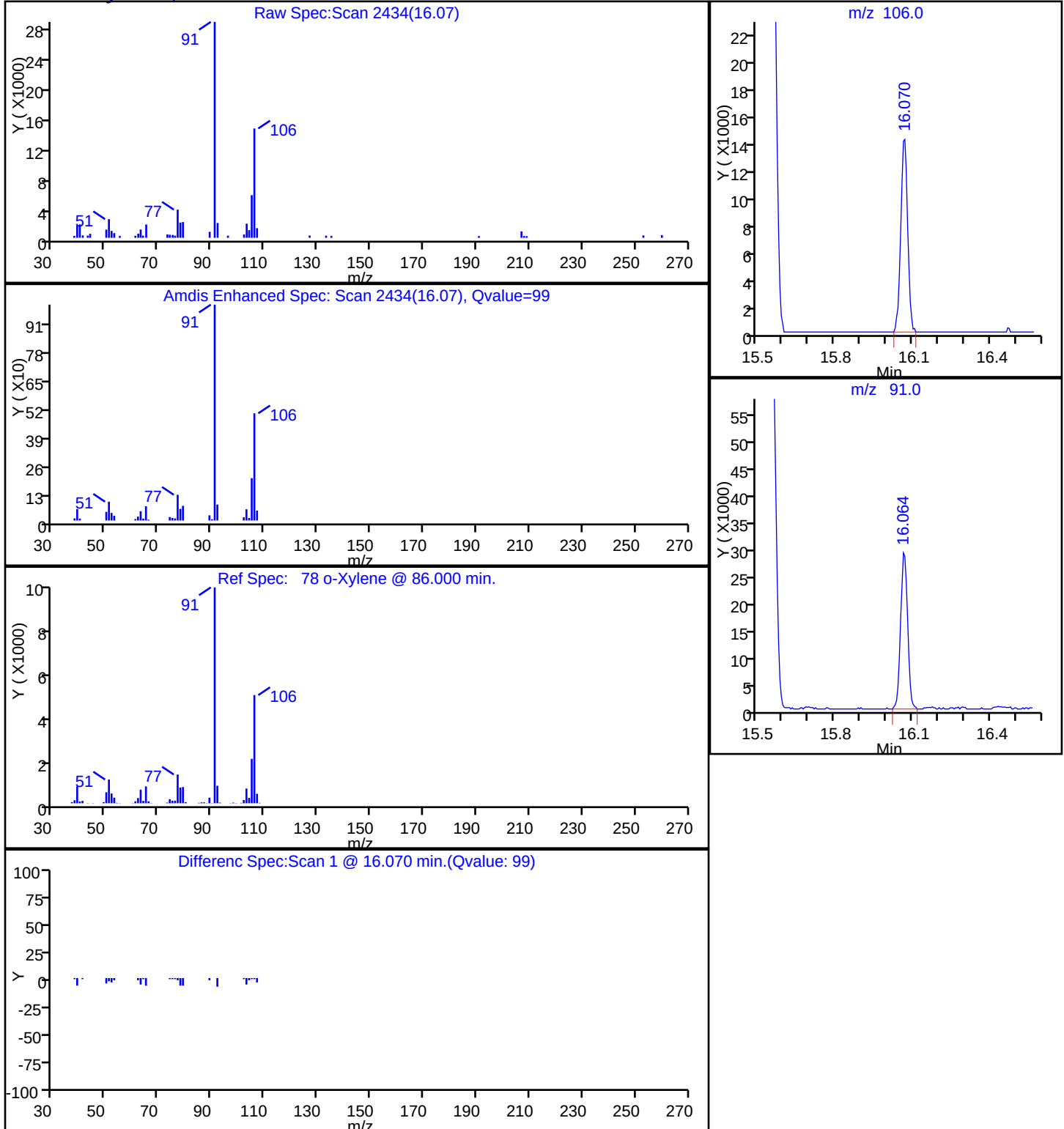
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Injection Date: 13-Jan-2016 16:47:30 Instrument ID: CHB.i
Lims ID: 200-31474-A-1 Lab Sample ID: 200-31474-1
Client ID: AS Effluent 1Q16
Operator ID: pad ALS Bottle#: 11 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 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\CHB.i\20160113-17741.b\17741_09.D
Injection Date: 13-Jan-2016 16:47:30 Instrument ID: CHB.i
Lims ID: 200-31474-A-1 Lab Sample ID: 200-31474-1
Client ID: AS Effluent 1Q16
Operator ID: pad ALS Bottle#: 11 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector MS SCAN

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



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

Lab Name: TestAmerica Burlington Job No.: 200-31474-1 Analy Batch No.: 98466

SDG No.: _____

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

Calibration Start Date: 12/15/2015 19:10 Calibration End Date: 12/16/2015 01:15 Calibration ID: 33009

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-98466/5	17332_05.D
Level 2	IC 200-98466/6	17332_06.D
Level 3	IC 200-98466/7	17332_07.D
Level 4	IC 200-98466/8	17332_08.D
Level 5	ICIS 200-98466/9	17332_09.D
Level 6	IC 200-98466/10	17332_10.D
Level 7	IC 200-98466/11	17332_11.D
Level 8	IC 200-98466/12	17332_12.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	++++ 0.5188	++++ 0.4911	++++ 0.4220	0.6086	0.5896	Ave		0.5260				14.4		30.0			
Dichlorodifluoromethane	++++ 1.9756	++++ 1.9295	2.2302 1.7309	2.1448	2.1630	Ave		2.0290				9.2		30.0			
Freon 22	++++ 1.0463	++++ 1.0042	1.2870 0.8801	1.1707	1.1643	Ave		1.0921				13.2		30.0			
1,2-Dichlorotetrafluoroethane	++++ 1.9428	2.1166 1.8604	2.2514 1.6410	2.0594	2.1075	Ave		1.9970				10.1		30.0			
Chloromethane	++++ 0.5960	++++ 0.5748	0.7360 0.5026	0.6632	0.6633	Ave		0.6227				13.2		30.0			
n-Butane	++++ 0.9779	++++ 0.9510	1.2360 0.8057	1.0935	1.0855	Ave		1.0249				14.4		30.0			
Vinyl chloride	0.6758 0.7958	0.8545 0.7848	0.9045 0.6818	0.8252	0.8622	Ave		0.7981				10.4		30.0			
1,3-Butadiene	++++ 0.5784	0.5759 0.5585	0.6522 0.4821	0.6182	0.6241	Ave		0.5842				9.5		30.0			
Bromomethane	++++ 0.9700	0.9198 0.9711	1.0372 0.8960	0.9373	1.0089	Ave		0.9629				5.1		30.0			
Chloroethane	++++ 0.5586	++++ 0.5520	0.5987 0.5059	0.5394	0.5798	Ave		0.5557				5.8		30.0			
Isopentane	++++ 0.9656	1.2925 0.9347	1.2919 0.8270	1.0539	1.0558	Ave		1.0602				16.6		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.0574	1.0673 1.0525	1.1377 0.9891	1.0191	1.0587	Ave		1.0545				4.4		30.0			
Trichlorofluoromethane	++++ 2.2704	2.2743 2.2395	2.5234 2.1016	2.3158	2.3186	Ave		2.2920				5.5		30.0			
n-Pentane	++++ 1.5361	++++ 1.4853	1.9195 1.3264	1.6473	1.6401	Ave		1.5924				12.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-31474-1 Analy Batch No.: 98466
SDG No.: _____
Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/15/2015 19:10 Calibration End Date: 12/16/2015 01:15 Calibration ID: 33009

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	++++ 0.4641	++++ 0.3633	0.4291 0.3138	0.4329	0.3648	Ave		0.3947				14.3		30.0			
Ethyl ether	++++ 0.6994	0.7027 0.6937	0.8080 0.6292	0.7224	0.7291	Ave		0.7121				7.5		30.0			
Acrolein	++++ 0.2717	++++ 0.3063	++++ 0.2736	0.3579	0.3118	Ave		0.3042				11.6		30.0			
Freon TF	++++ 2.0646	2.0980 2.0372	2.2194 1.9026	2.0796	2.0854	Ave		2.0695				4.5		30.0			
1,1-Dichloroethene	++++ 1.0350	1.1047 1.0232	1.1262 0.9696	1.0502	1.0450	Ave		1.0505				5.0		30.0			
Acetone	++++ 1.2821	++++ 1.1753	++++ 1.0395	1.6170	1.3793	Ave		1.2986				16.8		30.0			
Isopropyl alcohol	++++ 1.2604	++++ 1.2353	++++ 1.0633	1.5067	1.5466	Ave		1.3225				15.3		30.0			
Carbon disulfide	++++ 2.7558	++++ 2.7230	2.9822 2.5216	2.7978	2.7926	Ave		2.7622				5.4		30.0			
3-Chloropropene	++++ 1.1169	1.4541 1.1459	1.4741 0.9720	1.1973	1.3042	Ave		1.2378				14.8		30.0			
Acetonitrile	++++ 0.6657	++++ 0.6459	++++ 0.5730	0.8164	0.7841	Ave		0.6970				14.5		30.0			
Methylene Chloride	++++ 1.0319	++++ 1.0028	1.4861 0.8941	1.1281	1.1044	Ave		1.1079				18.3		30.0			
tert-Butyl alcohol	++++ 1.8290	++++ 1.8123	++++ 1.6194	1.9757	2.1244	Ave		1.8721				10.1		30.0			
Methyl tert-butyl ether	++++ 2.9201	3.2015 2.8859	3.2485 2.6773	3.0242	3.0252	Ave		2.9975				6.5		30.0			
trans-1,2-Dichloroethene	++++ 1.4115	1.5342 1.3850	1.6128 1.2734	1.4902	1.4674	Ave		1.4535				7.6		30.0			
Acrylonitrile	++++ 0.7386	++++ 0.7260	0.8474 0.6601	0.7986	0.7861	Ave		0.7595				8.6		30.0			
n-Hexane	++++ 1.5973	1.8654 1.5640	1.8818 1.4212	1.7179	1.6719	Ave		1.6742				9.9		30.0			
1,1-Dichloroethane	2.1183 1.8437	2.0501 1.8021	2.0775 1.6208	1.9819	1.9440	Ave		1.9298				8.6		30.0			
Vinyl acetate	++++ 2.4635	++++ 2.3359	++++ 2.0424	2.7654	2.6886	Ave		2.4592				11.8		30.0			
Methyl Ethyl Ketone	++++ 0.5631	++++ 0.5425	0.6683 0.4882	0.6073	0.5967	Ave		0.5777				10.6		30.0			
Ethyl acetate	++++ 0.1049	++++ 0.1035	++++ 0.0958	0.1109	0.1071	Ave		0.1044				5.3		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.: 200-31474-1 Analy Batch No.: 98466
SDG No.: _____
Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/15/2015 19:10 Calibration End Date: 12/16/2015 01:15 Calibration ID: 33009

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								
cis-1,2-Dichloroethene	++++ 1.2002	1.2367 1.1799	1.3435 1.0866	1.2421	1.2255	Ave		1.2164				6.3		30.0			
Tetrahydrofuran	++++ 0.2219	++++ 0.2190	++++ 0.1981	0.2566	0.2490	Ave		0.2289				10.4		30.0			
Chloroform	++++ 2.0793	2.3156 2.0418	2.3514 1.8919	2.1860	2.1734	Ave		2.1485				7.4		30.0			
1,1,1-Trichloroethane	++++ 0.4088	0.4371 0.4166	0.4624 0.4009	0.4257	0.4290	Ave		0.4258				4.8		30.0			
Cyclohexane	++++ 0.3271	0.3298 0.3347	0.3623 0.3218	0.3354	0.3393	Ave		0.3358				3.9		30.0			
Carbon tetrachloride	0.2253 0.4212	0.2542 0.4411	0.4399 0.4338	0.3997	0.4509	Ave		0.3833				23.5		30.0			
2,2,4-Trimethylpentane	++++ 1.1085	1.2192 1.1293	1.2674 1.0523	1.1828	1.1886	Ave		1.1640				6.2		30.0			
Benzene	++++ 0.7206	0.8063 0.7400	0.8198 0.7138	0.7473	0.7571	Ave		0.7578				5.4		30.0			
1,2-Dichloroethane	++++ 0.2339	0.2498 0.2390	0.2652 0.2273	0.2544	0.2524	Ave		0.2460				5.4		30.0			
n-Heptane	++++ 0.3832	0.4826 0.3811	0.4720 0.3440	0.4288	0.4240	Ave		0.4165				12.1		30.0			
n-Butanol	++++ 0.1257	++++ 0.1335	++++ 0.1262	0.1592	0.1590	Ave		0.1407				12.1		30.0			
Trichloroethene	0.3543 0.3091	0.3318 0.3159	0.3315 0.3060	0.3194	0.3242	Ave		0.3240				4.8		30.0			
1,2-Dichloropropane	++++ 0.2672	0.2925 0.2689	0.3064 0.2518	0.2837	0.2851	Ave		0.2794				6.5		30.0			
Methyl methacrylate	++++ 0.2633	++++ 0.2675	++++ 0.2531	0.2701	0.2748	Ave		0.2689				3.9		30.0			
1,4-Dioxane	++++ 0.1143	++++ 0.1167	++++ 0.1120	0.1467	0.1448	Ave		0.1269				13.6		30.0			
Dibromomethane	++++ 0.3406	0.3713 0.3687	0.3851 0.3632	0.3672	0.3802	Ave		0.3681				3.9		30.0			
Bromodichloromethane	++++ 0.4745	0.4630 0.4749	0.5060 0.4564	0.4902	0.4915	Ave		0.4795				3.6		30.0			
cis-1,3-Dichloropropene	++++ 0.4075	0.4108 0.4169	0.4401 0.3998	0.4234	0.4270	Ave		0.4179				3.2		30.0			
methyl isobutyl ketone	++++ 0.4863	++++ 0.4840	0.5888 0.4366	0.6112	0.5464	Ave		0.5255				12.9		30.0			
n-Octane	++++ 0.5427	0.7284 0.5322	0.6900 0.4621	0.6284	0.6069	Ave		0.5987				15.6		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.: 200-31474-1 Analy Batch No.: 98466
SDG No.: _____
Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/15/2015 19:10 Calibration End Date: 12/16/2015 01:15 Calibration ID: 33009

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene	++++ 0.6160	0.6684 0.6298	0.6994 0.6106	0.6411	0.6403	Ave		0.6436				4.8		30.0			
trans-1,3-Dichloropropene	++++ 0.3887	0.4034 0.3982	0.4290 0.3868	0.4091	0.4141	Ave		0.4042				3.7		30.0			
1,1,2-Trichloroethane	++++ 0.2967	0.3051 0.3020	0.3227 0.2923	0.3084	0.3102	Ave		0.3054				3.3		30.0			
Tetrachloroethene	0.6130 0.5657	0.5907 0.5752	0.6140 0.5795	0.5837	0.5772	Ave		0.5874				3.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.5317	++++ 0.5268	0.6673 0.4847	0.6634	0.5897	Ave		0.5773				13.2		30.0			
Dibromochloromethane	++++ 0.6019	0.5485 0.5872	0.5922 0.5828	0.5779	0.5717	Ave		0.5803				2.9		30.0			
1,2-Dibromoethane	++++ 0.5576	0.5537 0.5697	0.5962 0.5609	0.5782	0.5787	Ave		0.5707				2.6		30.0			
Chlorobenzene	++++ 0.8717	0.8812 0.8946	0.9602 0.8860	0.8986	0.9001	Ave		0.8989				3.2		30.0			
Ethylbenzene	++++ 1.3408	1.4688 1.3516	1.5043 1.2397	1.4151	1.4063	Ave		1.3895				6.3		30.0			
n-Nonane	++++ 0.6230	0.7427 0.6242	0.7389 0.5425	0.6819	0.6715	Ave		0.6607				10.7		30.0			
m,p-Xylene	++++ 0.5509	0.5812 0.5580	0.6060 0.5248	0.5662	0.5708	Ave		0.5654				4.5		30.0			
Xylene, o-	++++ 0.5504	0.5762 0.5583	0.5907 0.5412	0.5676	0.5678	Ave		0.5646				2.9		30.0			
Styrene	++++ 0.8820	0.9087 0.8890	0.9539 0.8735	0.9846	0.9180	Ave		0.9157				4.4		30.0			
Bromoform	++++ 0.5849	0.4262 0.4954	0.4843 0.5063	0.4867	0.4309	Ave		0.4878				10.9		30.0			
Cumene	++++ 1.5927	1.6112 1.6262	1.7253 1.5719	1.6650	1.6581	Ave		1.6358				3.2		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.8015	0.8433 0.8148	0.8898 0.7551	0.8546	0.8519	Ave		0.8302				5.3		30.0			
n-Propylbenzene	++++ 1.8931	2.0150 1.8985	2.1023 1.6867	2.0077	1.9862	Ave		1.9413				6.9		30.0			
1,2,3-Trichloropropane	++++ 0.5946	++++ 0.6021	0.6846 0.5459	0.6388	0.6329	Ave		0.6165				7.6		30.0			
n-Decane	++++ 0.8268	++++ 0.8125	0.9597 0.6935	0.8970	0.8927	Ave		0.8470				10.9		30.0			
4-Ethyltoluene	++++ 1.6146	1.6377 1.6408	1.7439 1.4837	1.6906	1.6816	Ave		1.6418				5.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-31474-1 Analy Batch No.: 98466
SDG No.: _____
Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/15/2015 19:10 Calibration End Date: 12/16/2015 01:15 Calibration ID: 33009

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	++++ 1.2726	1.2959 1.2908	1.3699 1.1840	1.3282	1.3250	Ave		1.2952				4.5		30.0			
1,3,5-Trimethylbenzene	++++ 1.3293	1.3687 1.3461	1.4071 1.2076	1.3712	1.3766	Ave		1.3438				4.8		30.0			
Alpha Methyl Styrene	++++ 0.7119	0.6818 0.7099	0.7248 0.6666	0.7376	0.7247	Ave		0.7082				3.6		30.0			
tert-Butylbenzene	++++ 1.3120	1.3897 1.3209	1.4102 1.2005	1.3739	1.3760	Ave		1.3405				5.3		30.0			
1,2,4-Trimethylbenzene	++++ 1.3380	1.3679 1.3380	1.4613 1.2286	1.4096	1.4009	Ave		1.3635				5.4		30.0			
sec-Butylbenzene	++++ 1.9747	2.0459 1.9561	2.1013 1.7920	2.0811	2.0811	Ave		2.0166				6.1		30.0			
4-Isopropyltoluene	++++ 1.6939	1.7327 1.5948	1.8232 1.5640	1.8137	1.7941	Ave		1.7166				6.1		30.0			
1,3-Dichlorobenzene	++++ 0.9917	1.0081 0.9869	1.0791 0.9247	1.0675	1.0353	Ave		1.0133				5.2		30.0			
1,4-Dichlorobenzene	++++ 0.9916	1.0188 0.9704	1.1024 0.9237	1.0723	1.0404	Ave		1.0171				6.0		30.0			
Benzyl chloride	++++ 1.0835	1.0935 1.0261	1.1392 0.9695	1.0851	1.0427	Ave		1.0628				5.2		30.0			
n-Undecane	++++ 0.7937	++++ 0.8320	++++ 0.8148	0.9608	0.9081	Ave		0.8619				8.1		30.0			
n-Butylbenzene	++++ 1.3865	1.5305 1.2708	1.6472 1.3482	1.6308	1.5749	Ave		1.4841				10.0		30.0			
1,2-Dichlorobenzene	++++ 0.9434	0.9612 0.9049	1.0351 0.8855	1.0186	0.9881	Ave		0.9624				5.8		30.0			
n-Dodecane	++++ 0.8594	++++ 0.8891	++++ 0.8149	0.7498	0.8349	Ave		0.8296				6.3		30.0			
1,2,4-Trichlorobenzene	++++ 0.7431	++++ 0.8126	0.9280 0.8816	0.7989	0.6886	Ave		0.8088				10.8		30.0			
Hexachlorobutadiene	++++ 0.6944	0.7377 0.7307	0.7806 0.7580	0.6719	0.6732	Ave		0.7209				5.9		30.0			
Naphthalene	++++ 1.4964	++++ 1.6817	2.0249 1.8114	1.8218	1.3036	Ave		1.6900				15.2		30.0			
1,2,3-Trichlorobenzene	++++ 0.7190	0.7485 0.7923	0.8526 0.8148	0.6771	0.6660	Ave		0.7529				9.4		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-31474-1 Analy Batch No.: 98466

SDG No.: _____

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

Calibration Start Date: 12/15/2015 19:10 Calibration End Date: 12/16/2015 01:15 Calibration ID: 33009

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-98466/5	17332_05.D
Level 2	IC 200-98466/6	17332_06.D
Level 3	IC 200-98466/7	17332_07.D
Level 4	IC 200-98466/8	17332_08.D
Level 5	ICIS 200-98466/9	17332_09.D
Level 6	IC 200-98466/10	17332_10.D
Level 7	IC 200-98466/11	17332_11.D
Level 8	IC 200-98466/12	17332_12.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	++++ 276360	++++ 374783	++++ 722462	92450	191715	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 1052457	++++ 1472629	32745 2963031	325821	703316	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 557391	++++ 766430	18896 1506606	177846	378581	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1034964	12603 1419928	33056 2809054	312840	685278	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 317520	++++ 438722	10807 860354	100740	215679	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 520973	++++ 725796	18148 1379205	166114	352958	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	856 423944	5088 599009	13280 1167106	125363	280352	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	++++ 308131	3429 426233	9576 825176	93919	202943	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 516753	5477 741186	15229 1533812	142385	328043	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 297569	++++ 421279	8790 866045	81936	188524	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 514369	7696 713358	18969 1415727	160095	343306	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 563291	6355 803252	16704 1693196	154816	344255	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 1209489	13542 1709251	37050 3597475	351799	753925	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 818288	++++ 1133595	28183 2270529	250240	533292	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 330393	++++ 554592	63079 1342738	131615	178005	++++ 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.: 200-31474-1 Analy Batch No.: 98466

SDG No.: _____

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

Calibration Start Date: 12/15/2015 19:10 Calibration End Date: 12/16/2015 01:15 Calibration ID: 33009

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	++++ 372606	4184 529452	11863 1077092	109743	237084	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	++++ 144726	++++ 233775	++++ 468276	54369	101377	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	++++ 1099860	12492 1554797	32587 3256932	315908	678074	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	++++ 551343	6578 780899	16535 1659819	159533	339781	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 683006	++++ 897011	++++ 1779461	245637	448497	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	++++ 671441	++++ 942815	++++ 1820232	228892	502884	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 1468063	++++ 2078273	43786 4316412	425010	908056	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	++++ 595012	++++ 8658 874594	21644 1663822	181887	424081	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 354653	++++ 493000	++++ 980861	124023	254942	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 549726	++++ 765360	++++ 1530526	21819	171370	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 974321	++++ 1383149	++++ 2772063	300133	690765	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 1555614	++++ 19063 2202579	47696 4582988	459405	983678	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	++++ 751926	9135 1057089	23680 2179843	226376	477144	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 393482	++++ 554093	++++ 12442 1129978	121318	255596	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 850905	11107 1193661	27630 2432802	260961	543649	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	2683 982177	12207 1375369	30503 2774413	301071	632095	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 1312376	++++ 1782776	++++ 3496236	420091	874235	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 299959	++++ 414070	++++ 9813 835771	92258	194025	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 55884	++++ 79004	++++ 164007	16841	34811	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	++++ 639346	++++ 7364 900532	19726 1860091	188690	398483	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	++++ 590245	++++ 800551	++++ 1559657	196378	399216	++++ 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.: 200-31474-1 Analy Batch No.: 98466

SDG No.: _____

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

Calibration Start Date: 12/15/2015 19:10 Calibration End Date: 12/16/2015 01:15 Calibration ID: 33009

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	++++ 1107701	13788 1558354	34525 3238603	332078	706706	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	++++ 1087490	13205 1522579	34693 3157185	325851	687870	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	++++ 870166	9963 1223391	27182 2533855	256712	544064	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	1454 1120546	7681 1612376	33005 3415566	305928	722975	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	++++ 2948781	36836 4127698	95088 8286202	905365	1905780	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	++++ 1916858	24361 2704626	61505 5620688	571981	1213866	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	++++ 622095	7546 873547	19894 1789492	194755	404625	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	++++ 1019300	14579 1392727	35413 2708754	328208	679888	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	++++ 334299	++++ 488046	++++ 993880	121863	254861	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	2286 822217	10025 1154562	24872 2409934	244507	519767	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	++++ 710814	8838 982636	22987 1982872	217129	457036	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	++++ 700525	++++ 977552	21335 1993162	206720	440571	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	++++ 303999	++++ 426463	++++ 882165	112312	232127	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	++++ 906019	11219 1347746	28896 2860329	281055	609564	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	++++ 1262177	13988 1735917	37966 3593904	375203	787990	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	++++ 1084080	12410 1523581	33015 3147971	324072	684625	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	++++ 1293496	++++ 1768882	44176 3437768	467793	876125	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	++++ 1443653	22006 1945146	51771 3638518	481011	973104	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	++++ 1462725	17855 2043745	46403 4210353	441578	927993	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	++++ 1034105	12187 1455575	32185 3045485	313120	663958	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	++++ 704519	8152 980032	21413 2015509	212422	449603	++++ 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.: 200-31474-1 Analy Batch No.: 98466

SDG No.: _____

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

Calibration Start Date: 12/15/2015 19:10 Calibration End Date: 12/16/2015 01:15 Calibration ID: 33009

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	CBZ	Ave	3481 1343333	15781 1866595	40734 3995905	402031	836603	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 1262478	++++ 1709662	44272 3342306	456976	854650	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	++++ 1429084	14654 1905696	39289 4019027	398086	828641	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	++++ 1324024	14792 1848756	39557 3867823	398272	838786	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	++++ 2069708	23541 2903138	63709 6109867	618930	1304648	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	++++ 3183552	39238 4386132	99804 8548463	974745	2038239	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	++++ 1479349	19842 2025595	49022 3740660	469721	973344	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	++++ 2616149	31055 3621309	80412 7238347	779984	1654531	++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	++++ 1306821	15394 1811912	39192 3731750	390992	823025	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	++++ 2094341	24276 2884810	63286 6023744	678167	1330505	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	++++ 1388893	11387 1607657	32134 3491094	335259	624507	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	++++ 3781745	43044 5277180	114466 10839419	1146869	2403276	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 1903161	22530 2644161	59037 5206786	588649	1234778	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	++++ 4495061	53831 6160989	139478 11631008	1382902	2878737	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	++++ 1411897	++++ 1953847	45419 3764230	439987	917273	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	++++ 1963241	++++ 2636627	63674 4782557	617878	1293843	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	++++ 3833838	43750 5324463	115699 10231295	1164487	2437385	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	++++ 3021619	34621 4188668	90890 8164577	914862	1920498	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 3156459	36565 4368335	93355 8327375	944473	1995283	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	++++ 1690381	18213 2303722	48086 4597034	508044	1050382	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	++++ 3115344	37127 4286583	93564 8278597	946314	1994439	++++ 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.: 200-31474-1 Analy Batch No.: 98466

SDG No.: _____

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

Calibration Start Date: 12/15/2015 19:10 Calibration End Date: 12/16/2015 01:15 Calibration ID: 33009

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	CBZ	Ave	++++ 3176979	36543 4342023	96955 8472436	970901	2030464	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	++++ 4688736	54656 6347657	143643 12357106	1447382	3016395	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	++++ 4022005	46290 5175259	120966 10784880	1249259	2600422	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	++++ 2354731	26931 3202624	71595 6376484	735263	1500533	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	++++ 2354576	27216 3149180	73139 6369524	738620	1508001	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	++++ 2572654	29214 3329984	75583 6685733	747429	1511243	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	++++ 1884623	++++ 2699938	++++ 5618460	661807	1316180	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	++++ 3292277	40886 4124064	109288 9297081	1123270	2282650	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	++++ 2240110	25679 2936476	68673 6106416	701627	1432186	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	++++ 2040641	++++ 2885384	++++ 5619092	516472	1210112	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 1764515	++++ 2636886	61567 6079210	550282	998066	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	++++ 1648739	19707 2371349	51790 5227333	462802	975791	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	++++ 3553019	++++ 5457307	134343 12491405	1254845	1889456	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	++++ 1707242	19997 2570995	56567 5618363	466408	965266	++++ 15.0	0.200 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\CHB.i\20151215-17332.b\17332_05.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 15-Dec-2015 19:10:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017332-005
 Misc. Info.: ic-01
 Operator ID: pad Instrument ID: CHB.i
 Sublist: chrom-TO15_LLNJ_TO3*sub5
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\TO15_LLNJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Dec-2015 10:54:29 Calib Date: 16-Dec-2015 01:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: daiglep

Date: 16-Dec-2015 09:54:46

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	3.165	3.160	0.005	75	4216	0.0401	0.2537	
2 Dichlorodifluoromethane	85	3.219	3.219	0.000	95	3015	0.0401	0.0470	
3 Chlorodifluoromethane	51	3.256	3.256	0.000	96	1427	0.0401	0.0414	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.443	3.443	0.000	84	2916	0.0401	0.0462	
5 Chloromethane	50	3.587	3.576	0.011	94	1064	0.0401	0.0541	
6 Butane	43	3.758	3.752	0.006	93	2058	0.0401	0.0636	
7 Vinyl chloride	62	3.800	3.790	0.010	1	856	0.0401	0.0339	M
8 Butadiene	54	3.875	3.859	0.016	80	690	0.0401	0.0374	
9 BFB									
10 Bromomethane	94	4.558	4.547	0.011	4	1243	0.0401	0.0409	
11 Chloroethane	64	4.798	4.788	0.010	1	437	0.0401	0.0249	
12 2-Methylbutane	43	4.857	4.857	0.000	76	3465	0.0401	0.1034	
13 Vinyl bromide	106	5.209	5.199	0.010	93	1452	0.0401	0.0436	
14 Trichlorofluoromethane	101	5.311	5.295	0.016	91	2734	0.0401	0.0378	
15 Pentane	43	5.433	5.433	0.000	92	4210	0.0401	0.0837	
16 Ethanol	45	5.796	5.764	0.032	47	1146	0.0802	0.0919	
17 Ethyl ether	59	5.935	5.908	0.027	30	656	0.0401	0.0292	
18 Acrolein	56	6.325	6.298	0.027	59	1123	0.0401	0.1168	
19 1,1,2-Trichloro-1,2,2-trif	101	6.341	6.335	0.006	95	2767	0.0401	0.0423	
20 1,1-Dichloroethene	96	6.405	6.410	-0.005	63	1668	0.0401	0.0503	
21 Acetone	43	6.602	6.570	0.032	95	9981	0.0401	0.2433	
22 Isopropyl alcohol	45	6.789	6.778	0.011	36	2315	0.0401	0.0554	
23 Carbon disulfide	76	6.842	6.842	0.000	52	2555	0.0401	0.0293	
24 3-Chloro-1-propene	41	7.120	7.120	0.000	17	2115	0.0401	0.0541	
26 Acetonitrile	41	7.120	7.200	-0.080	54	2538	0.0401	0.1152	
27 Methylene Chloride	49	7.387	7.381	0.006	91	5502	0.0401	0.1572	
28 2-Methyl-2-propanol	59	7.488	7.477	0.011	84	3080	0.0401	0.0521	
29 Methyl tert-butyl ether	73	7.728	7.712	0.016	59	3976	0.0401	0.0420	
30 trans-1,2-Dichloroethene	61	7.782	7.787	-0.005	84	1880	0.0401	0.0409	
31 Acrylonitrile	53	7.899	7.878	0.021	36	725	0.0401	0.0302	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Hexane	57	8.107	8.107	0.000	80	3069	0.0401	0.0580	
33 1,1-Dichloroethane	63	8.534	8.534	0.000	75	2683	0.0401	0.0440	
34 Vinyl acetate	43	8.550	8.539	0.011	99	4201	0.0401	0.0541	
36 2-Butanone (MEK)	72	9.436	9.431	0.005	97	985	0.0401	0.0540	
35 Ethyl acetate	88		9.441				ND	ND	
37 cis-1,2-Dichloroethene	96	9.447	9.441	0.006	56	851	0.0401	0.0221	
* 39 Chlorobromomethane	128	9.810	8.632	1.178	86	315954	10.0	10.0	
38 Tetrahydrofuran	42	9.836	9.810	0.026	67	2017	0.0401	0.0547	
40 Chloroform	83	9.884	9.884	0.000	86	2973	0.0401	0.0438	
S 41 1,2-Dichloroethene, Total	61				0		0.0802	0.0631	
42 1,1,1-Trichloroethane	97	10.146	10.141	0.005	84	1939	0.0401	0.0283	
43 Cyclohexane	84	10.157	10.146	0.011	94	2381	0.0401	0.0441	M
44 Carbon tetrachloride	117	10.327	10.343	-0.016	60	1454	0.0401	0.0236	
45 Isooctane	57	10.621	10.621	0.000	97	8760	0.0401	0.0468	
46 Benzene	78	10.669	10.669	0.000	95	5706	0.0401	0.0468	
47 1,2-Dichloroethane	62		10.776				ND	ND	
48 n-Heptane	43	10.872	10.866	0.006	88	3962	0.0401	0.0591	
A 49 GRO	1	10.936	(4.847-17.024)		0	1125032	0.0401	0	
* 50 1,4-Difluorobenzene	114	11.213	11.213	0.000	93	1609652	10.0	10.0	
51 n-Butanol	56	11.405	11.384	0.021	86	2562	0.0401	0.1131	
53 Trichloroethene	95	11.582	11.582	0.000	90	2286	0.0401	0.0438	
54 1,2-Dichloropropane	63	11.960	11.960	0.000	79	1310	0.0401	0.0291	
55 Methyl methacrylate	69	11.993	11.987	0.005	91	1928	0.0401	0.0446	
56 1,4-Dioxane	88	12.110	12.078	0.032	5	777	0.0401	0.0380	
57 Dibromomethane	174	12.142	12.147	-0.005	90	2612	0.0401	0.0441	
58 Dichlorobromomethane	83	12.313	12.313	0.000	91	3148	0.0401	0.0408	
A 59 TVOC as Toluene	1	12.580	(3.150-22.009)		0	1812676	0.0401	0	
60 cis-1,3-Dichloropropene	75	12.942	12.942	0.000	85	2605	0.0401	0.0387	
61 4-Methyl-2-pentanone (MIBK)	43	13.087	13.087	0.001	93	6431	0.0401	0.0760	
A 62 C8 Range	1	13.333	(13.293-13.373)		0	48513	NC	NC	
63 n-Octane	43	13.343	13.343	0.000	90	8510	0.0401	0.0883	
64 Toluene	92	13.369	13.369	0.000	93	4006	0.0401	0.0439	
A 65 Toluene Range	1	13.384	(13.359-13.409)		0	48513	NC	NC	
66 trans-1,3-Dichloropropene	75	13.738	13.738	0.000	91	2410	0.0401	0.0370	
67 1,1,2-Trichloroethane	83		14.010				ND	ND	
68 Tetrachloroethene	166	14.133	14.138	-0.005	93	3481	0.0401	0.0418	
69 2-Hexanone	43	14.266	14.261	0.005	94	5432	0.0401	0.0664	
70 Chlorodibromomethane	129	14.554	14.554	0.000	92	3097	0.0401	0.0377	
71 Ethylene Dibromide	107	14.757	14.762	-0.005	95	3162	0.0401	0.0391	
* 72 Chlorobenzene-d5	117	15.312	15.312	0.000	83	1416451	10.0	10.0	
73 Chlorobenzene	112	15.349	15.349	0.000	95	5570	0.0401	0.0437	
74 Ethylbenzene	91	15.413	15.419	-0.006	96	8555	0.0401	0.0435	
75 n-Nonane	57	15.424	15.429	-0.005	80	5371	0.0401	0.0574	
76 m-Xylene & p-Xylene	106	15.563	15.563	0.000	0	6895	0.0802	0.0861	
S 77 Xylenes, Total	106				0		0.1203	0.1312	
78 o-Xylene	106	16.070	16.070	0.000	95	3606	0.0401	0.0451	
79 Styrene	104	16.097	16.097	0.000	94	5191	0.0401	0.0400	
80 Bromoform	173	16.390	16.390	0.000	92	2289	0.0401	0.0331	
81 Isopropylbenzene	105	16.481	16.481	0.000	95	9598	0.0401	0.0414	
* 82 4-Bromofluorobenzene	95	16.742	16.742	0.000	98	959702	10.0	10.0	
83 1,1,1,2,2-Tetrachloroethane	83	16.892	16.892	0.000	95	5222	0.0401	0.0444	
84 N-Propylbenzene	91	16.956	16.956	0.000	99	11874	0.0401	0.0432	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 1,2,3-Trichloropropane	75	16.977	16.977	0.000	94	4362	0.0401	0.0500	
86 n-Decane	57	17.020	17.014	0.006	91	5632	0.0401	0.0469	
87 4-Ethyltoluene	105	17.079	17.079	0.000	99	10091	0.0401	0.0434	
88 2-Chlorotoluene	91	17.132	17.127	0.005	96	5364	0.0401	0.0292	
89 1,3,5-Trimethylbenzene	105	17.143	17.148	-0.005	93	8474	0.0401	0.0445	
90 Alpha Methyl Styrene	118	17.425	17.425	0.000	89	4047	0.0401	0.0403	
91 tert-Butylbenzene	119	17.527	17.527	0.000	96	8029	0.0401	0.0423	
92 1,2,4-Trimethylbenzene	105	17.596	17.596	0.000	96	8596	0.0401	0.0445	
93 sec-Butylbenzene	105	17.788	17.783	0.005	98	12601	0.0401	0.0441	
94 4-Isopropyltoluene	119	17.938	17.938	0.000	97	10629	0.0401	0.0437	
95 1,3-Dichlorobenzene	146	18.018	18.023	-0.005	94	5980	0.0401	0.0417	
96 1,4-Dichlorobenzene	146	18.130	18.135	-0.005	91	5918	0.0401	0.0411	
97 Benzyl chloride	91	18.295	18.290	0.005	98	7037	0.0401	0.0467	
98 Undecane	57	18.402	18.407	-0.005	95	6749	0.0401	0.0553	
99 n-Butylbenzene	91	18.445	18.450	-0.005	98	9738	0.0401	0.0463	
100 1,2-Dichlorobenzene	146	18.626	18.626	0.000	97	6014	0.0401	0.0441	
102 Dodecane	57	19.880	19.880	0.000	89	6202	0.0401	0.0528	
103 1,2,4-Trichlorobenzene	180	21.023	21.023	0.001	92	5333	0.0401	0.0466	
104 Hexachlorobutadiene	225	21.188	21.183	0.005	92	4012	0.0401	0.0393	
105 Naphthalene	128	21.524	21.519	0.005	99	11753	0.0401	0.0491	
106 1,2,3-Trichlorobenzene	180	21.999	21.999	0.000	94	4654	0.0401	0.0436	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00147

Amount Added: 40.00

Units: mL

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_05.D

Injection Date: 15-Dec-2015 19:10:30

Instrument ID: CHB.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

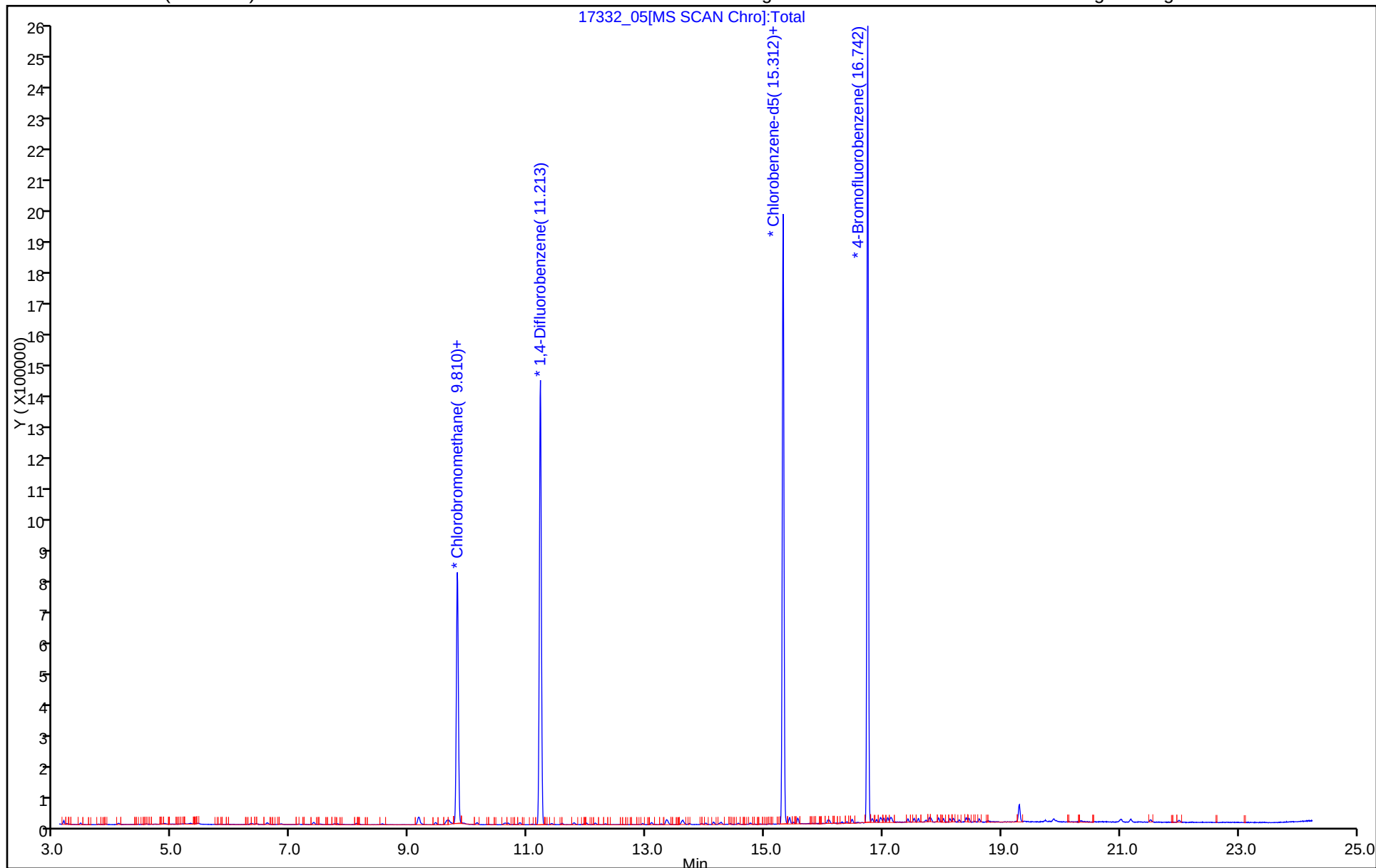
ALS Bottle#: 5

Method: TO15_LL NJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_05.D

Injection Date: 15-Dec-2015 19:10:30

Instrument ID: CHB.i

Lims ID: ic

Client ID:

Operator ID: pad

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

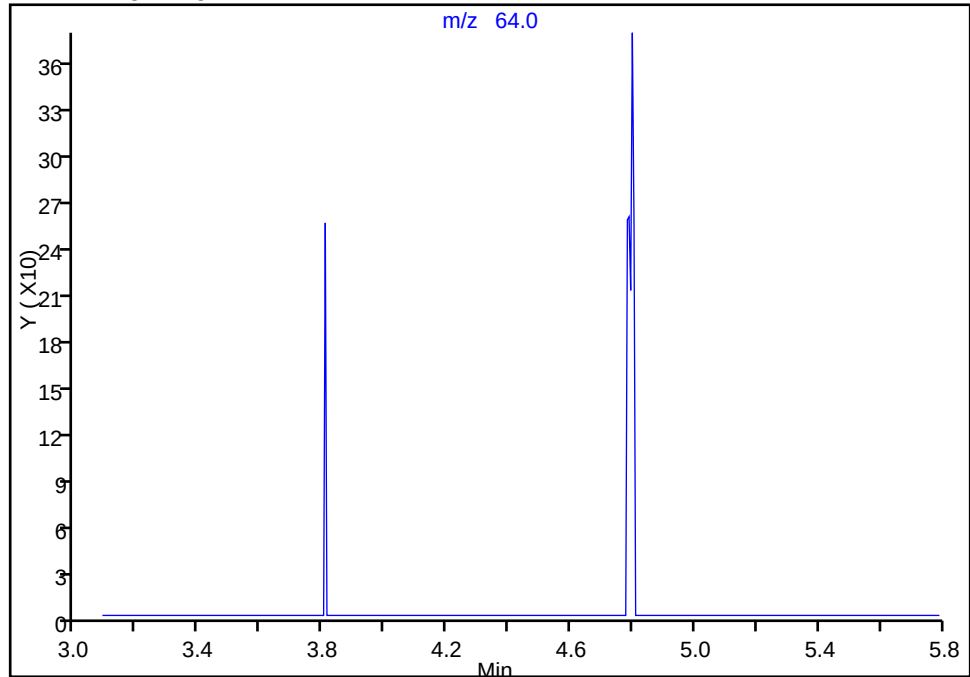
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

7 Vinyl chloride, CAS: 75-01-4

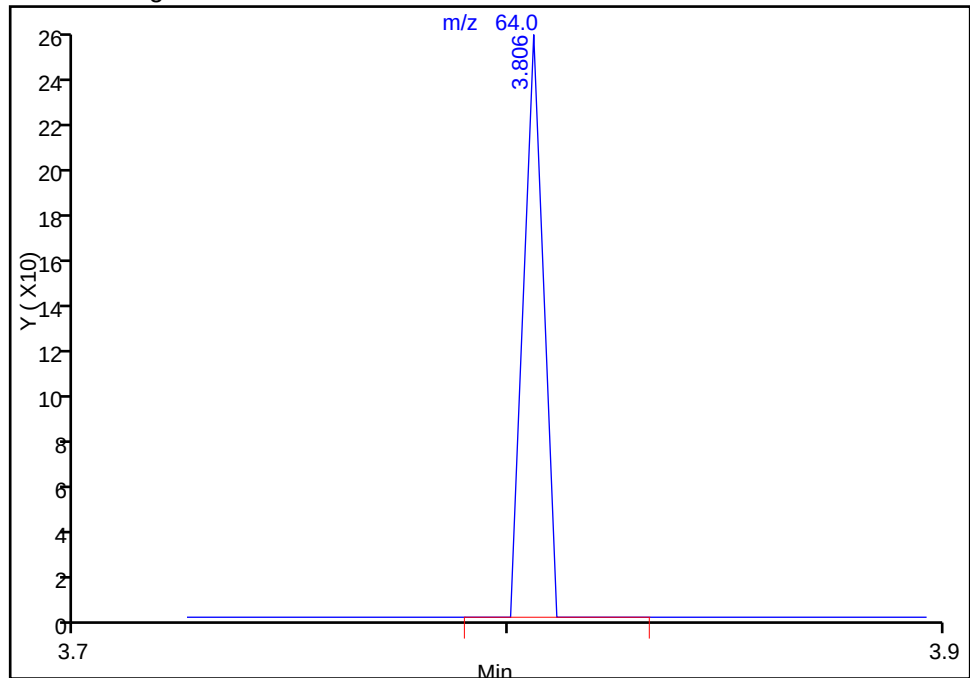
RT: 3.79
Area: 0
Amount: 0.033947
Amount Units: ppb v/v

Processing Integration Results



RT: 3.81
Area: 82
Amount: 0.033947
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 16-Dec-2015 09:54:46

Audit Action: Manually Integrated

Audit Reason: Baseline

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_05.D

Injection Date: 15-Dec-2015 19:10:30

Instrument ID: CHB.i

Lims ID: ic

Client ID:

Operator ID: pad

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

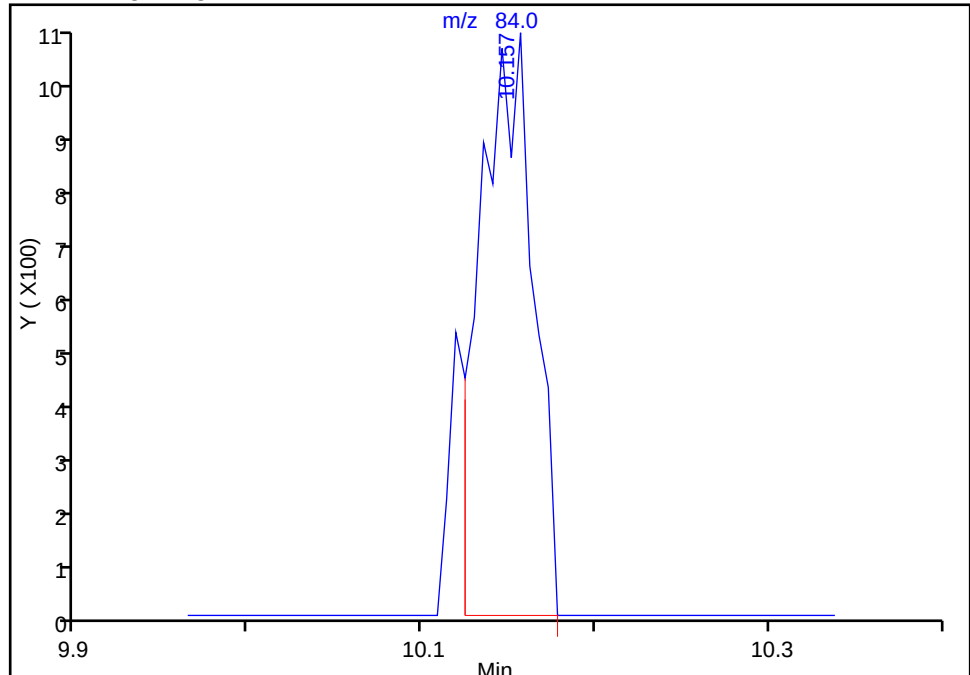
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

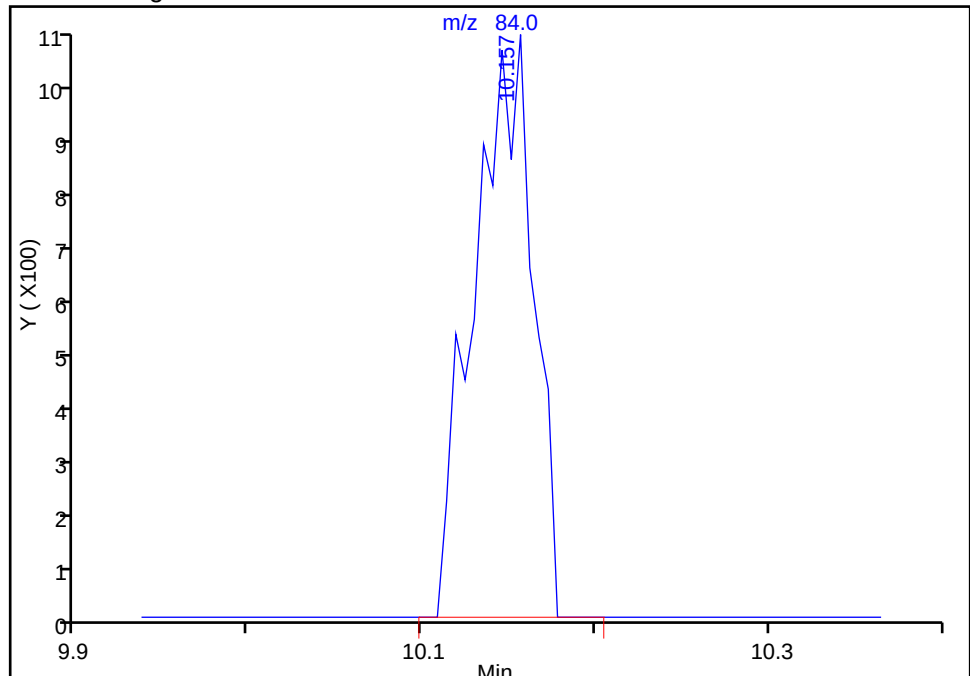
RT: 10.16
Area: 2161
Amount: 0.039983
Amount Units: ppb v/v

Processing Integration Results



RT: 10.16
Area: 2381
Amount: 0.044054
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 16-Dec-2015 09:54:46

Audit Action: Manually Integrated

Audit Reason: Baseline

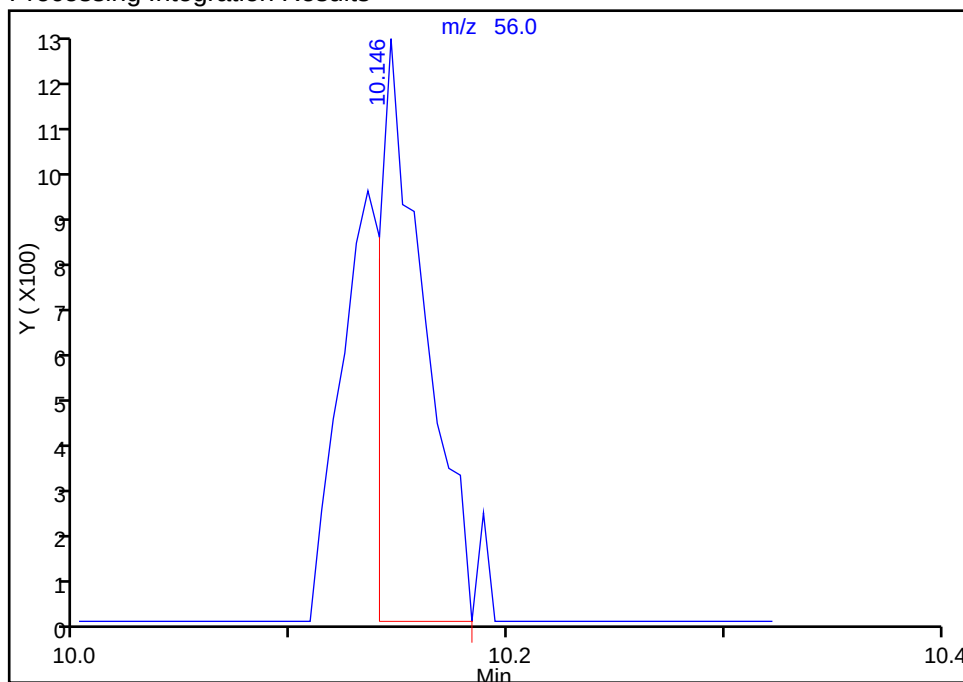
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_05.D
Injection Date: 15-Dec-2015 19:10:30 Instrument ID: CHB.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

43 Cyclohexane, CAS: 110-82-7

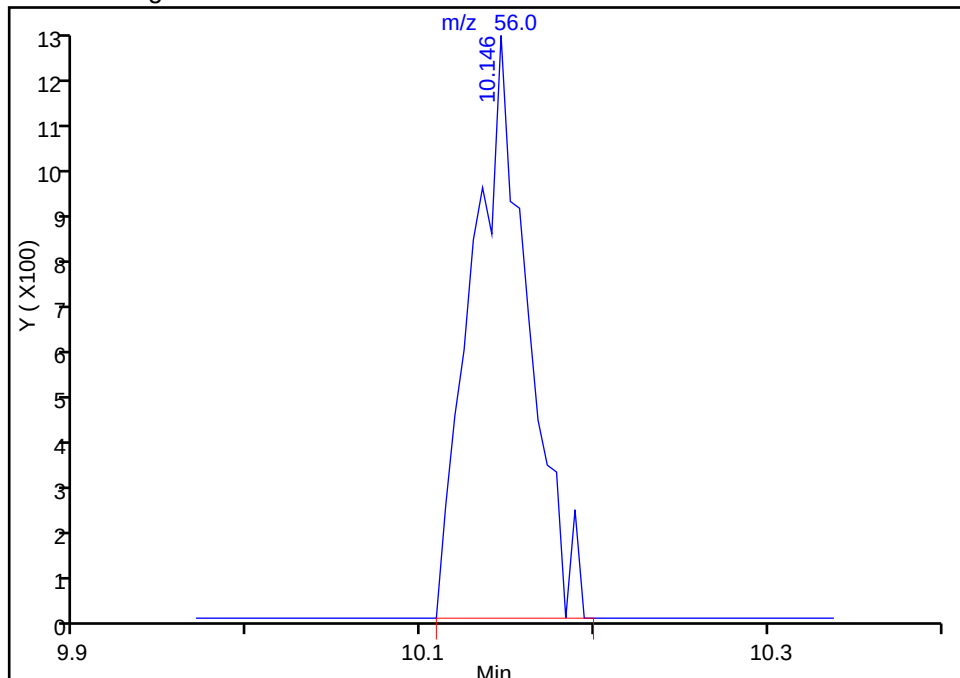
RT: 10.15
Area: 1805
Amount: 0.039983
Amount Units: ppb v/v

Processing Integration Results



RT: 10.15
Area: 2850
Amount: 0.044054
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 16-Dec-2015 09:54:46
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_06.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 15-Dec-2015 20:02:30 ALS Bottle#: 6 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017332-006
 Misc. Info.: ic-02
 Operator ID: pad Instrument ID: CHB.i
 Sublist: chrom-TO15_LLNJ_TO3*sub5
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\TO15_LLNJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Dec-2015 10:54:31 Calib Date: 16-Dec-2015 01:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: daiglep

Date: 16-Dec-2015 09:56:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	3.165	3.160	0.005	87	7451	0.2004	0.4768	
2 Dichlorodifluoromethane	85	3.224	3.219	0.005	98	13153	0.2004	0.2182	
3 Chlorodifluoromethane	51	3.261	3.256	0.005	95	7158	0.2004	0.2206	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.443	3.443	0.000	85	12603	0.2004	0.2124	
5 Chloromethane	50	3.581	3.576	0.005	97	4237	0.2004	0.2291	
6 Butane	43	3.747	3.752	-0.005	96	7312	0.2004	0.2402	
7 Vinyl chloride	62	3.800	3.790	0.010	95	5088	0.2004	0.2146	
8 Butadiene	54	3.870	3.859	0.011	97	3429	0.2004	0.1976	
9 BFB									
10 Bromomethane	94	4.558	4.547	0.011	97	5477	0.2004	0.1915	
11 Chloroethane	64	4.787	4.788	-0.001	53	3286	0.2004	0.1990	
12 2-Methylbutane	43	4.868	4.857	0.011	97	7696	0.2004	0.2444	M
13 Vinyl bromide	106	5.204	5.199	0.005	92	6355	0.2004	0.2029	
14 Trichlorofluoromethane	101	5.300	5.295	0.005	97	13542	0.2004	0.1989	
15 Pentane	43	5.428	5.433	-0.005	96	12504	0.2004	0.2643	
16 Ethanol	45	5.780	5.764	0.016	92	3204	0.4009	0.2733	
17 Ethyl ether	59	5.935	5.908	0.027	95	4184	0.2004	0.1978	
18 Acrolein	56	6.319	6.298	0.021	84	3443	0.2004	0.3810	
19 1,1,2-Trichloro-1,2,2-trif	101	6.335	6.335	0.000	94	12492	0.2004	0.2032	
20 1,1-Dichloroethene	96	6.415	6.410	0.005	94	6578	0.2004	0.2108	
21 Acetone	43	6.591	6.570	0.021	96	33983	0.2004	0.8809	
22 Isopropyl alcohol	45	6.783	6.778	0.005	97	9837	0.2004	0.2504	
23 Carbon disulfide	76	6.842	6.842	0.000	98	17035	0.2004	0.2076	
24 3-Chloro-1-propene	41	7.120	7.120	0.000	93	8658	0.2004	0.2355	
26 Acetonitrile	41	7.216	7.200	0.016	96	5966	0.2004	0.2881	
27 Methylene Chloride	49	7.381	7.381	0.000	90	10924	0.2004	0.3319	
28 2-Methyl-2-propanol	59	7.477	7.477	0.000	93	13233	0.2004	0.2379	
29 Methyl tert-butyl ether	73	7.728	7.712	0.016	96	19063	0.2004	0.2141	
30 trans-1,2-Dichloroethene	61	7.787	7.787	0.000	98	9135	0.2004	0.2116	
31 Acrylonitrile	53	7.888	7.878	0.010	65	4763	0.2004	0.2111	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Hexane	57	8.107	8.107	0.000	88	11107	0.2004	0.2233	
33 1,1-Dichloroethane	63	8.523	8.534	-0.011	83	12207	0.2004	0.2129	
34 Vinyl acetate	43	8.539	8.539	0.000	99	16207	0.2004	0.2219	
* 39 Chlorobromomethane	128	9.809	8.632	1.177	88	297064	10.0	10.0	
36 2-Butanone (MEK)	72	9.441	9.431	0.010	97	5415	0.2004	0.3155	
37 cis-1,2-Dichloroethene	96	9.441	9.441	0.000	55	7364	0.2004	0.2038	
35 Ethyl acetate	88		9.441				ND	ND	
38 Tetrahydrofuran	42	9.836	9.810	0.026	90	8184	0.2004	0.2372	
40 Chloroform	83	9.884	9.884	0.000	92	13788	0.2004	0.2160	
S 41 1,2-Dichloroethene, Total	61				0		0.4009	0.4154	
42 1,1,1-Trichloroethane	97	10.135	10.141	-0.006	94	13205	0.2004	0.2057	
43 Cyclohexane	84	10.146	10.146	0.000	94	9963	0.2004	0.1969	
44 Carbon tetrachloride	117	10.338	10.343	-0.005	98	7681	0.2004	0.1330	
45 Isooctane	57	10.615	10.621	-0.006	98	36836	0.2004	0.2099	
46 Benzene	78	10.669	10.669	0.000	95	24361	0.2004	0.2133	
47 1,2-Dichloroethane	62	10.775	10.776	-0.001	96	7546	0.2004	0.2035	
48 n-Heptane	43	10.872	10.866	0.006	91	14579	0.2004	0.2322	
A 49 GRO	1	10.936	(4.847-17.024)		0	3470900	0.2004	0	
* 50 1,4-Difluorobenzene	114	11.213	11.213	0.000	93	1507293	10.0	10.0	
51 n-Butanol	56	11.400	11.384	0.016	86	9673	0.2004	0.4561	
53 Trichloroethene	95	11.576	11.582	-0.006	96	10025	0.2004	0.2053	
54 1,2-Dichloropropane	63	11.955	11.960	-0.005	94	8838	0.2004	0.2099	
55 Methyl methacrylate	69	11.987	11.987	0.000	96	8074	0.2004	0.1992	
56 1,4-Dioxane	88	12.094	12.078	0.016	76	4294	0.2004	0.2245	
57 Dibromomethane	174	12.147	12.147	0.000	92	11219	0.2004	0.2022	
58 Dichlorobromomethane	83	12.312	12.313	-0.001	98	13988	0.2004	0.1935	
A 59 TVOC as Toluene	1	12.580	(3.150-22.009)		0	5830367	0.2004	0	
60 cis-1,3-Dichloropropene	75	12.942	12.942	0.000	89	12410	0.2004	0.1970	
61 4-Methyl-2-pentanone (MIBK)	43	13.097	13.087	0.011	95	21032	0.2004	0.2655	
A 62 C8 Range	1	13.333	(13.293-13.373)		0	147564	NC	NC	
63 n-Octane	43	13.343	13.343	0.000	91	22006	0.2004	0.2439	
64 Toluene	92	13.369	13.369	0.000	93	17855	0.2004	0.2081	
A 65 Toluene Range	1	13.384	(13.359-13.409)		0	147564	NC	NC	
66 trans-1,3-Dichloropropene	75	13.732	13.738	-0.006	95	12187	0.2004	0.2000	
67 1,1,2-Trichloroethane	83	14.010	14.010	0.000	92	8152	0.2004	0.2003	
68 Tetrachloroethene	166	14.138	14.138	0.000	98	15781	0.2004	0.2016	
69 2-Hexanone	43	14.266	14.261	0.005	95	23365	0.2004	0.3037	
70 Chlorodibromomethane	129	14.554	14.554	0.000	98	14654	0.2004	0.1895	
71 Ethylene Dibromide	107	14.762	14.762	0.000	98	14792	0.2004	0.1945	
* 72 Chlorobenzene-d5	117	15.312	15.312	0.000	84	1332815	10.0	10.0	
73 Chlorobenzene	112	15.355	15.349	0.006	94	23541	0.2004	0.1965	
74 Ethylbenzene	91	15.413	15.419	-0.006	98	39238	0.2004	0.2119	
75 n-Nonane	57	15.424	15.429	-0.005	91	19842	0.2004	0.2253	
76 m-Xylene & p-Xylene	106	15.563	15.563	0.000	0	31055	0.4009	0.4121	
S 77 Xylenes, Total	106				0		0.6013	0.6167	
78 o-Xylene	106	16.070	16.070	0.000	97	15394	0.2004	0.2046	
79 Styrene	104	16.096	16.097	-0.001	95	24276	0.2004	0.1989	
80 Bromoform	173	16.390	16.390	0.000	98	11387	0.2004	0.1751	
81 Isopropylbenzene	105	16.481	16.481	0.000	95	43044	0.2004	0.1974	
* 82 4-Bromofluorobenzene	95	16.742	16.742	0.000	97	914994	10.0	10.0	
83 1,1,1,2,2-Tetrachloroethane	83	16.886	16.892	-0.006	98	22530	0.2004	0.2036	
84 N-Propylbenzene	91	16.956	16.956	0.000	100	53831	0.2004	0.2080	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 1,2,3-Trichloropropane	75	16.972	16.977	-0.005	97	17347	0.2004	0.2111	
86 n-Decane	57	17.014	17.014	0.000	90	24846	0.2004	0.2201	
87 4-Ethyltoluene	105	17.078	17.079	-0.001	98	43750	0.2004	0.1999	
88 2-Chlorotoluene	91	17.126	17.127	-0.001	96	34621	0.2004	0.2006	
89 1,3,5-Trimethylbenzene	105	17.148	17.148	0.000	93	36565	0.2004	0.2042	
90 Alpha Methyl Styrene	118	17.420	17.425	-0.005	93	18213	0.2004	0.1930	
91 tert-Butylbenzene	119	17.527	17.527	0.000	96	37127	0.2004	0.2078	
92 1,2,4-Trimethylbenzene	105	17.596	17.596	0.000	97	36543	0.2004	0.2011	
93 sec-Butylbenzene	105	17.788	17.783	0.005	99	54656	0.2004	0.2034	
94 4-Isopropyltoluene	119	17.938	17.938	0.000	98	46290	0.2004	0.2023	
95 1,3-Dichlorobenzene	146	18.018	18.023	-0.005	96	26931	0.2004	0.1994	
96 1,4-Dichlorobenzene	146	18.135	18.135	0.000	97	27216	0.2004	0.2008	
97 Benzyl chloride	91	18.290	18.290	0.000	99	29214	0.2004	0.2062	
98 Undecane	57	18.407	18.407	0.000	96	26738	0.2004	0.2328	
99 n-Butylbenzene	91	18.450	18.450	0.000	98	40886	0.2004	0.2067	
100 1,2-Dichlorobenzene	146	18.626	18.626	0.000	98	25679	0.2004	0.2002	
102 Dodecane	57	19.886	19.880	0.006	97	22782	0.2004	0.2060	
103 1,2,4-Trichlorobenzene	180	21.022	21.023	0.000	94	21470	0.2004	0.1992	
104 Hexachlorobutadiene	225	21.182	21.183	-0.001	97	19707	0.2004	0.2051	
105 Naphthalene	128	21.519	21.519	0.000	100	48003	0.2004	0.2131	
106 1,2,3-Trichlorobenzene	180	22.004	21.999	0.005	96	19997	0.2004	0.1993	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00147

Amount Added: 200.00

Units: mL

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHB.i\\20151215-17332.b\\17332_06.D

Injection Date: 15-Dec-2015 20:02:30

Instrument ID: CHB.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

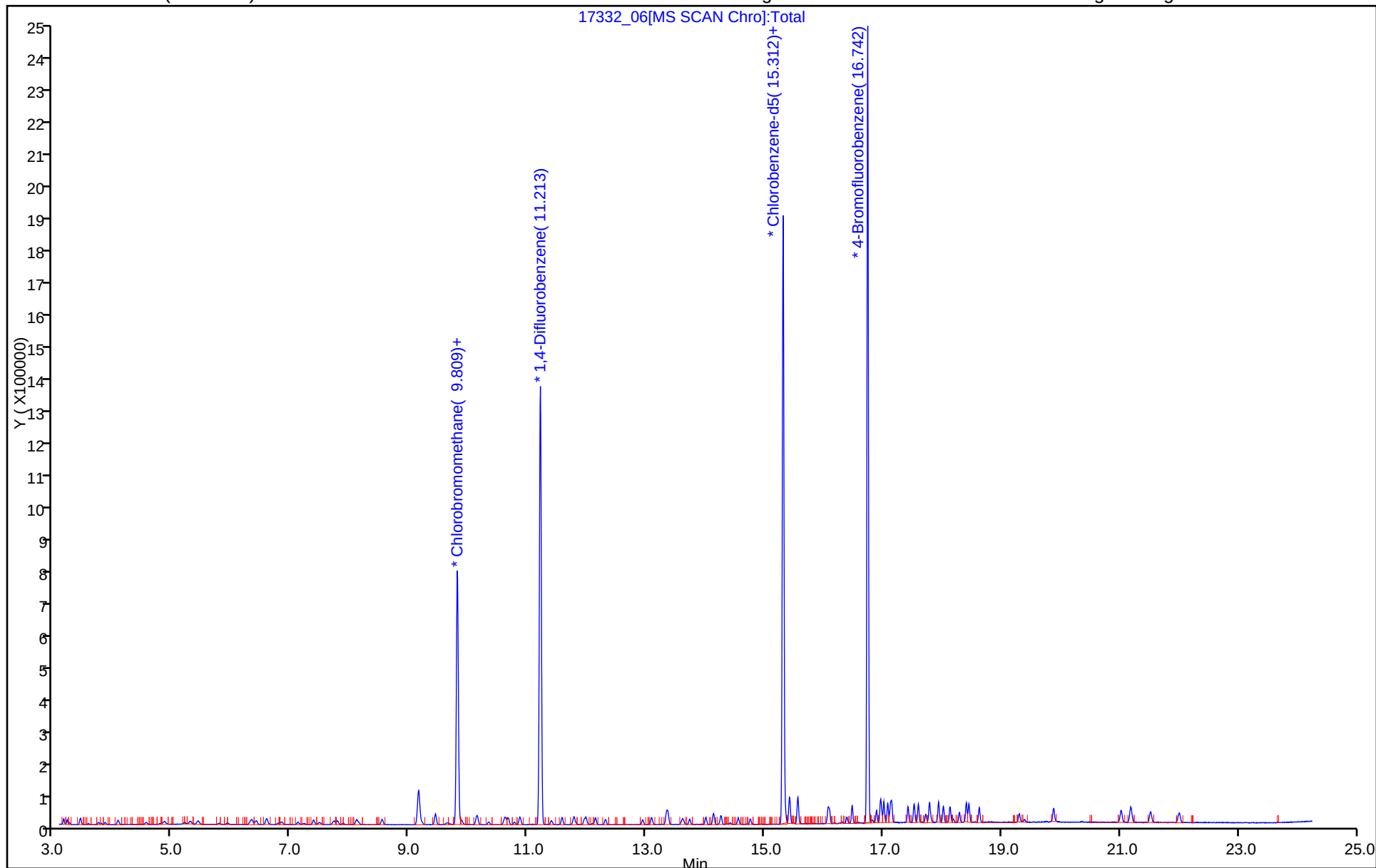
ALS Bottle#: 6

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



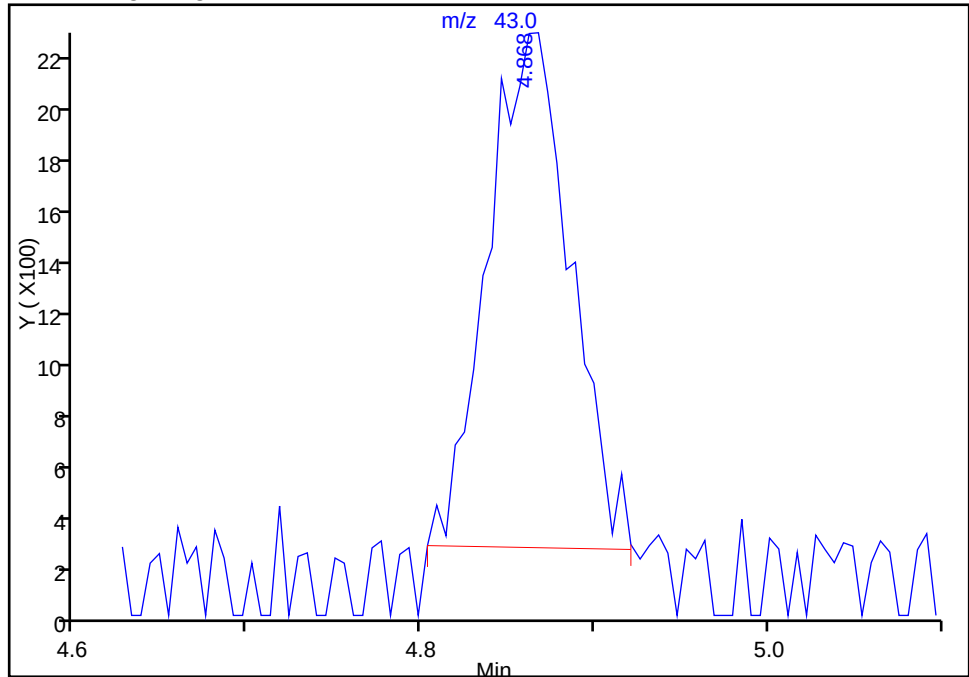
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_06.D
Injection Date: 15-Dec-2015 20:02:30 Instrument ID: CHB.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

12 2-Methylbutane, CAS: 78-78-4

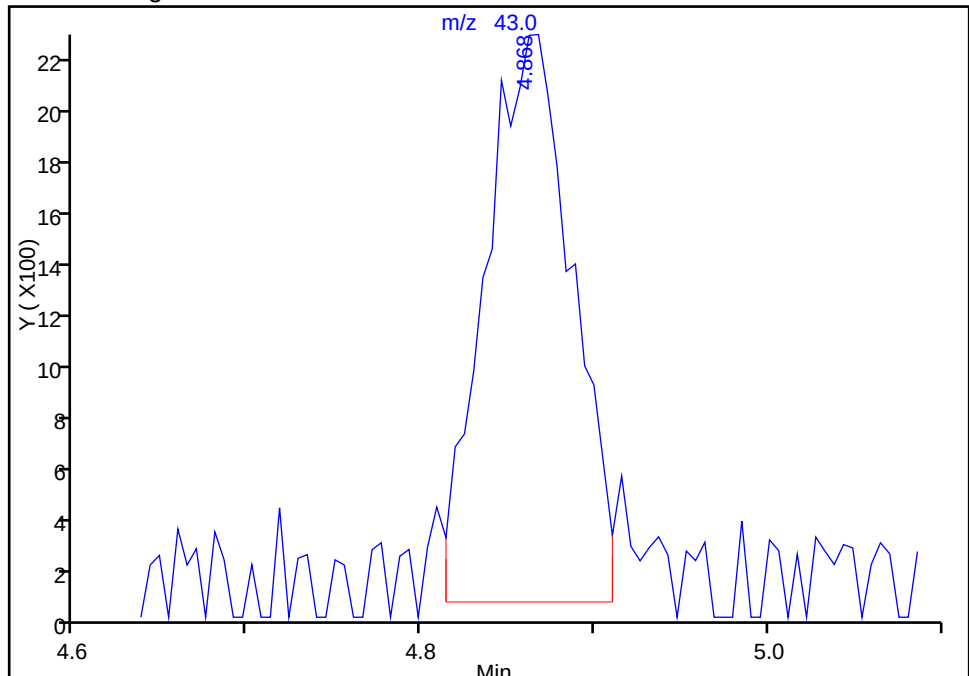
RT: 4.87
Area: 6608
Amount: 0.178413
Amount Units: ppb v/v

Processing Integration Results



RT: 4.87
Area: 7696
Amount: 0.244359
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 16-Dec-2015 09:56:06
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_06.D

Injection Date: 15-Dec-2015 20:02:30

Instrument ID: CHB.i

Lims ID: ic

Client ID:

Operator ID: pad

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

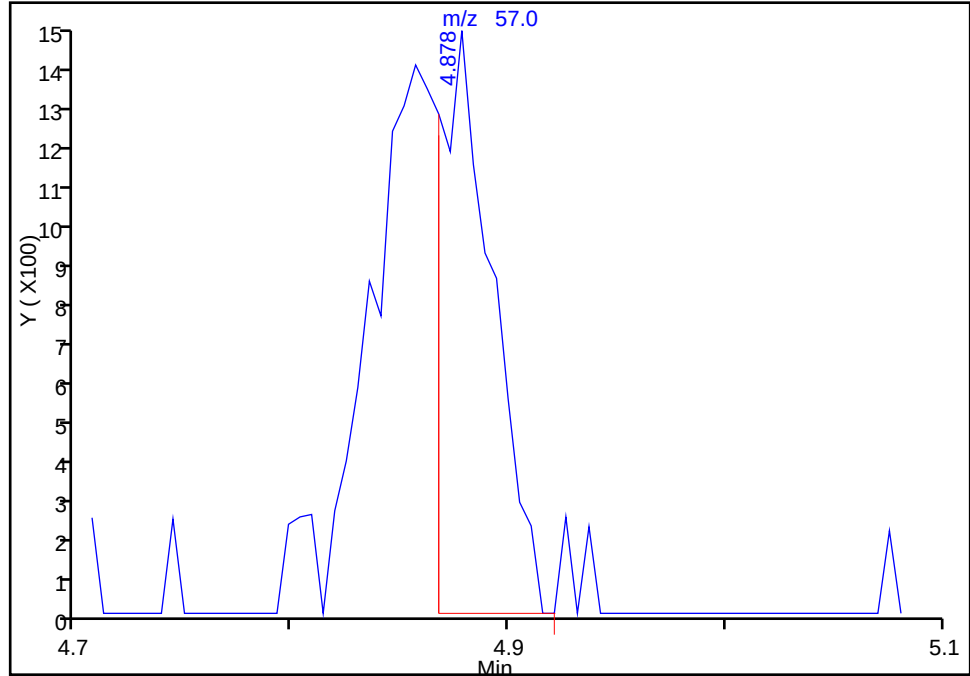
Column: RTX-624 (0.32 mm)

Detector: MS SCAN

12-Methylbutane, CAS: 78-78-4

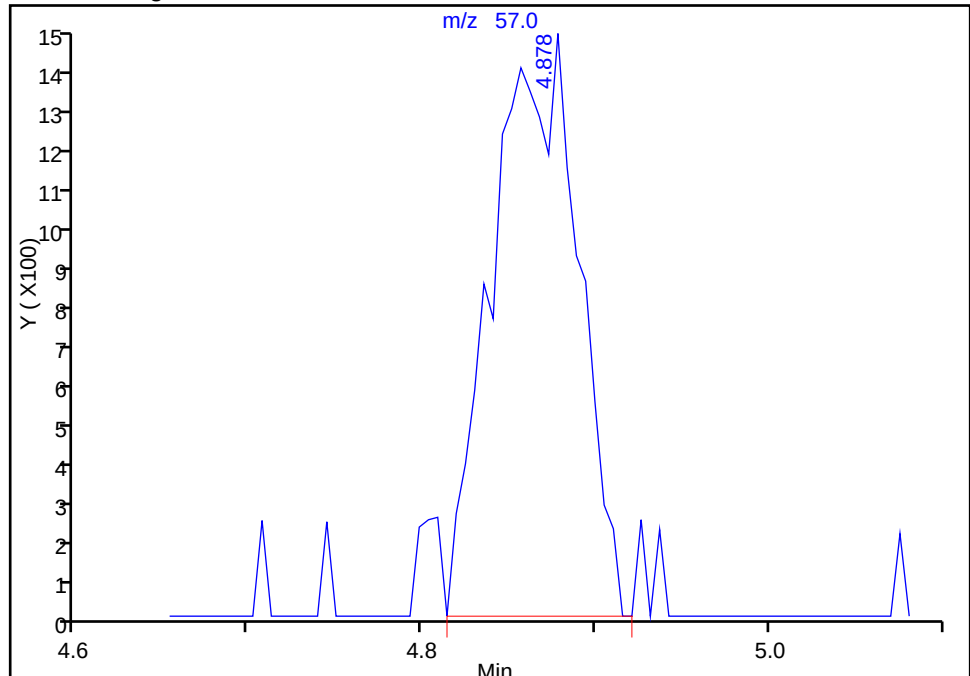
RT: 4.88
Area: 2430
Amount: 0.178413
Amount Units: ppb v/v

Processing Integration Results



RT: 4.88
Area: 4917
Amount: 0.244359
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 16-Dec-2015 09:56:06

Audit Action: Manually Integrated

Audit Reason: Baseline

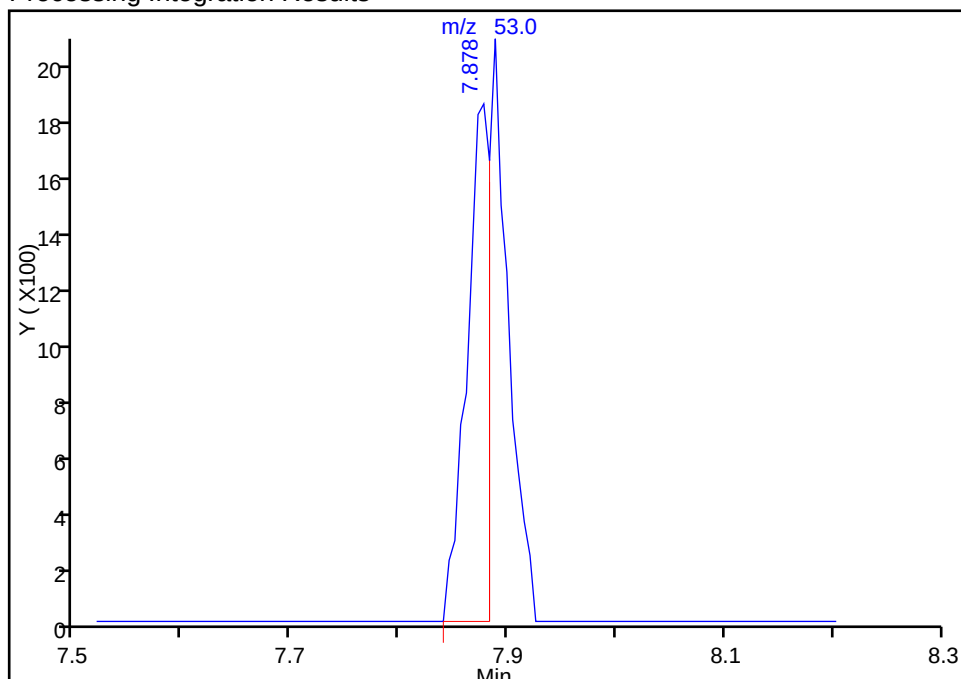
TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_06.D
Injection Date: 15-Dec-2015 20:02:30 Instrument ID: CHB.i
Lims ID: ic
Client ID:
Operator ID: pad ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: TO15_LLNJ_TO3 Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

31 Acrylonitrile, CAS: 107-13-1

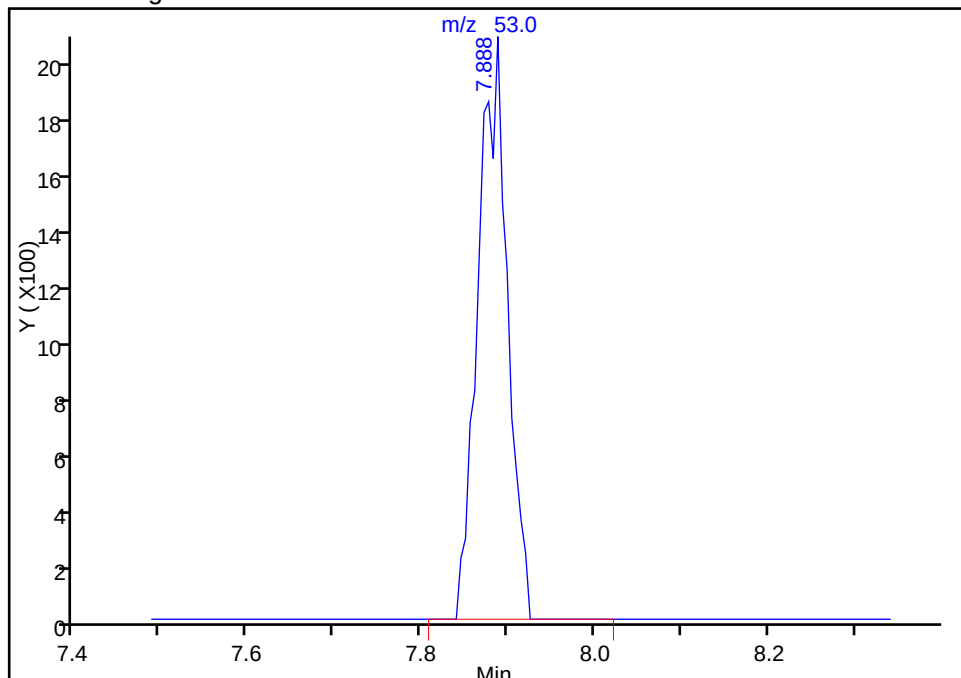
RT: 7.88
Area: 2691
Amount: 0.129846
Amount Units: ppb v/v

Processing Integration Results



RT: 7.89
Area: 4763
Amount: 0.211116
Amount Units: ppb v/v

Manual Integration Results



Reviewer: daiglep, 16-Dec-2015 09:56:06
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_07.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 15-Dec-2015 20:54:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017332-007
 Misc. Info.: ic-03
 Operator ID: pad Instrument ID: CHB.i
 Sublist: chrom-TO15_LLNJ_TO3*sub5
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\TO15_LLNJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Dec-2015 10:54:33 Calib Date: 16-Dec-2015 01:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: daiglep

Date: 16-Dec-2015 09:56:54

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	3.160	3.160	0.000	93	12934	0.5005	0.8381	
2 Dichlorodifluoromethane	85	3.218	3.219	-0.001	99	32745	0.5005	0.5501	
3 Chlorodifluoromethane	51	3.256	3.256	0.000	97	18896	0.5005	0.5898	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.443	3.443	0.000	88	33056	0.5005	0.5642	
5 Chloromethane	50	3.576	3.576	0.000	98	10807	0.5005	0.5916	
6 Butane	43	3.752	3.752	0.000	97	18148	0.5005	0.6035	
7 Vinyl chloride	62	3.790	3.790	0.000	97	13280	0.5005	0.5672	
8 Butadiene	54	3.859	3.859	0.000	96	9576	0.5005	0.5587	
9 BFB									
10 Bromomethane	94	4.553	4.547	0.006	98	15229	0.5005	0.5391	
11 Chloroethane	64	4.782	4.788	-0.006	98	8790	0.5005	0.5391	
12 2-Methylbutane	43	4.862	4.857	0.005	93	18969	0.5005	0.6098	
13 Vinyl bromide	106	5.198	5.199	-0.001	99	16704	0.5005	0.5399	
14 Trichlorofluoromethane	101	5.295	5.295	0.000	98	37050	0.5005	0.5510	
15 Pentane	43	5.428	5.433	-0.005	97	28183	0.5005	0.6032	
16 Ethanol	45	5.770	5.764	0.006	99	63079	5.01	5.45	
17 Ethyl ether	59	5.914	5.908	0.006	95	11863	0.5005	0.5678	
18 Acrolein	56	6.303	6.298	0.005	92	6465	0.5005	0.7243	
19 1,1,2-Trichloro-1,2,2-trif	101	6.330	6.335	-0.005	98	32587	0.5005	0.5367	
20 1,1-Dichloroethene	96	6.405	6.410	-0.005	96	16535	0.5005	0.5365	
21 Acetone	43	6.581	6.570	0.011	97	38907	0.5005	1.02	
22 Isopropyl alcohol	45	6.784	6.778	0.006	99	22712	0.5005	0.5854	
23 Carbon disulfide	76	6.842	6.842	0.000	98	43786	0.5005	0.5403	
24 3-Chloro-1-propene	41	7.114	7.120	-0.006	92	21644	0.5005	0.5960	
26 Acetonitrile	41	7.205	7.200	0.005	100	14069	0.5005	0.6880	
27 Methylene Chloride	49	7.381	7.381	0.000	91	21819	0.5005	0.6713	
28 2-Methyl-2-propanol	59	7.477	7.477	0.000	93	29815	0.5005	0.5428	
29 Methyl tert-butyl ether	73	7.712	7.712	0.000	97	47696	0.5005	0.5424	
30 trans-1,2-Dichloroethene	61	7.782	7.787	-0.005	96	23680	0.5005	0.5553	
31 Acrylonitrile	53	7.872	7.878	-0.006	96	12442	0.5005	0.5584	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Hexane	57	8.107	8.107	0.000	92	27630	0.5005	0.5625	
33 1,1-Dichloroethane	63	8.529	8.534	-0.005	73	30503	0.5005	0.5388	
34 Vinyl acetate	43	8.539	8.539	0.000	100	43846	0.5005	0.6077	
* 39 Chlorobromomethane	128	9.810	8.632	1.178	89	293384	10.0	10.0	
36 2-Butanone (MEK)	72	9.431	9.431	0.000	96	9813	0.5005	0.5790	
37 cis-1,2-Dichloroethene	96	9.436	9.441	-0.005	94	19726	0.5005	0.5528	
35 Ethyl acetate	88		9.441				ND	ND	
38 Tetrahydrofuran	42	9.826	9.810	0.016	35	20306	0.5005	0.5917	
40 Chloroform	83	9.879	9.884	-0.005	96	34525	0.5005	0.5477	
S 41 1,2-Dichloroethene, Total	61				0		1.00	1.11	
42 1,1,1-Trichloroethane	97	10.135	10.141	-0.006	94	34693	0.5005	0.5435	
43 Cyclohexane	84	10.146	10.146	0.000	98	27182	0.5005	0.5400	
44 Carbon tetrachloride	117	10.338	10.343	-0.005	97	33005	0.5005	0.5744	
45 Isooctane	57	10.615	10.621	-0.006	99	95088	0.5005	0.5449	
46 Benzene	78	10.663	10.669	-0.006	95	61505	0.5005	0.5414	
47 1,2-Dichloroethane	62	10.776	10.776	0.000	95	19894	0.5005	0.5395	
48 n-Heptane	43	10.861	10.866	-0.005	91	35413	0.5005	0.5671	
A 49 GRO	1	10.936	(4.847-17.024)		0	9768989	0.5005	0	
* 50 1,4-Difluorobenzene	114	11.213	11.213	0.000	93	1499150	10.0	10.0	
51 n-Butanol	56	11.395	11.384	0.011	86	14099	0.5005	0.6683	
53 Trichloroethene	95	11.576	11.582	-0.006	95	24872	0.5005	0.5120	
54 1,2-Dichloropropane	63	11.955	11.960	-0.005	94	22987	0.5005	0.5489	
55 Methyl methacrylate	69	11.987	11.987	0.000	96	21335	0.5005	0.5293	
56 1,4-Dioxane	88	12.088	12.078	0.010	93	9514	0.5005	0.5001	
57 Dibromomethane	174	12.142	12.147	-0.005	91	28896	0.5005	0.5237	
58 Dichlorobromomethane	83	12.313	12.313	0.000	98	37966	0.5005	0.5281	
A 59 TVOC as Toluene	1	12.580	(3.150-22.009)		0	15646789	0.5005	0	
60 cis-1,3-Dichloropropene	75	12.937	12.942	-0.005	89	33015	0.5005	0.5270	
61 4-Methyl-2-pentanone (MIBK)	43	13.086	13.087	0.000	95	44176	0.5005	0.5607	
A 62 C8 Range	1	13.333	(13.293-13.373)		0	371435	NC	NC	
63 n-Octane	43	13.343	13.343	0.000	91	51771	0.5005	0.5768	
64 Toluene	92	13.364	13.369	-0.005	94	46403	0.5005	0.5438	
A 65 Toluene Range	1	13.384	(13.359-13.409)		0	371435	NC	NC	
66 trans-1,3-Dichloropropene	75	13.732	13.738	-0.006	95	32185	0.5005	0.5312	
67 1,1,2-Trichloroethane	83	14.004	14.010	-0.006	93	21413	0.5005	0.5290	
68 Tetrachloroethene	166	14.138	14.138	0.000	95	40734	0.5005	0.5231	
69 2-Hexanone	43	14.261	14.261	0.000	95	44272	0.5005	0.5785	
70 Chlorodibromomethane	129	14.554	14.554	0.000	98	39289	0.5005	0.5107	
71 Ethylene Dibromide	107	14.757	14.762	-0.005	98	39557	0.5005	0.5228	
* 72 Chlorobenzene-d5	117	15.312	15.312	0.000	84	1325729	10.0	10.0	
73 Chlorobenzene	112	15.349	15.349	0.000	96	63709	0.5005	0.5346	
74 Ethylbenzene	91	15.413	15.419	-0.006	98	99804	0.5005	0.5418	
75 n-Nonane	57	15.429	15.429	0.000	91	49022	0.5005	0.5597	
76 m-Xylene & p-Xylene	106	15.563	15.563	0.000	0	80412	1.00	1.07	
S 77 Xylenes, Total	106				0		1.50	1.60	
78 o-Xylene	106	16.075	16.070	0.005	98	39192	0.5005	0.5236	
79 Styrene	104	16.096	16.097	-0.001	96	63286	0.5005	0.5213	
80 Bromoform	173	16.390	16.390	0.000	99	32134	0.5005	0.4969	
81 Isopropylbenzene	105	16.475	16.481	-0.006	95	114466	0.5005	0.5278	
* 82 4-Bromofluorobenzene	95	16.737	16.742	-0.005	97	910593	10.0	10.0	
83 1,1,1,2,2-Tetrachloroethane	83	16.886	16.892	-0.006	97	59037	0.5005	0.5364	
84 N-Propylbenzene	91	16.956	16.956	0.000	99	139478	0.5005	0.5419	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 1,2,3-Trichloropropane	75	16.972	16.977	-0.005	98	45419	0.5005	0.5557	
86 n-Decane	57	17.014	17.014	0.000	89	63674	0.5005	0.5670	
87 4-Ethyltoluene	105	17.078	17.079	-0.001	99	115699	0.5005	0.5316	
88 2-Chlorotoluene	91	17.121	17.127	-0.006	96	90890	0.5005	0.5293	
89 1,3,5-Trimethylbenzene	105	17.148	17.148	0.000	94	93355	0.5005	0.5240	
90 Alpha Methyl Styrene	118	17.420	17.425	-0.005	91	48086	0.5005	0.5122	
91 tert-Butylbenzene	119	17.521	17.527	-0.006	96	93564	0.5005	0.5265	
92 1,2,4-Trimethylbenzene	105	17.596	17.596	0.000	97	96955	0.5005	0.5364	
93 sec-Butylbenzene	105	17.783	17.783	0.000	99	143643	0.5005	0.5373	
94 4-Isopropyltoluene	119	17.938	17.938	0.000	98	120966	0.5005	0.5315	
95 1,3-Dichlorobenzene	146	18.018	18.023	-0.005	96	71595	0.5005	0.5329	
96 1,4-Dichlorobenzene	146	18.130	18.135	-0.005	97	73139	0.5005	0.5424	
97 Benzyl chloride	91	18.285	18.290	-0.005	99	75583	0.5005	0.5364	
98 Undecane	57	18.407	18.407	0.000	95	71356	0.5005	0.6245	
99 n-Butylbenzene	91	18.450	18.450	0.000	98	109288	0.5005	0.5554	
100 1,2-Dichlorobenzene	146	18.626	18.626	0.000	98	68673	0.5005	0.5382	
102 Dodecane	57	19.880	19.880	0.000	97	72039	0.5005	0.6550	
103 1,2,4-Trichlorobenzene	180	21.017	21.023	-0.005	93	61567	0.5005	0.5742	
104 Hexachlorobutadiene	225	21.183	21.183	0.000	96	51790	0.5005	0.5419	
105 Naphthalene	128	21.513	21.519	-0.006	100	134343	0.5005	0.5996	
106 1,2,3-Trichlorobenzene	180	21.999	21.999	0.000	96	56567	0.5005	0.5667	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL2w_00199

Amount Added: 200.00

Units: mL

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_07.D

Injection Date: 15-Dec-2015 20:54:30

Instrument ID: CHB.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

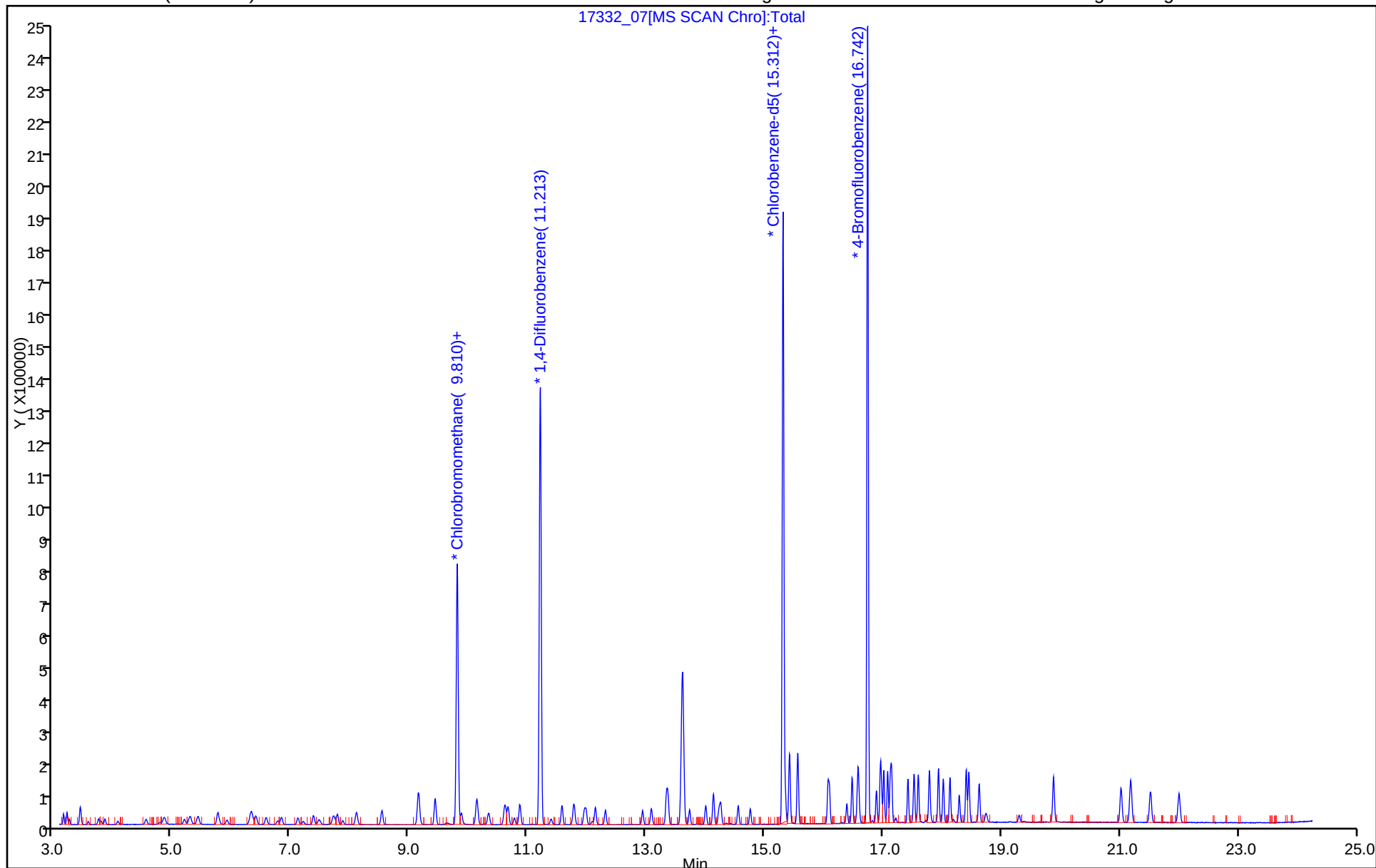
ALS Bottle#: 7

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_08.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 15-Dec-2015 21:46:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017332-008
 Misc. Info.: ic-04
 Operator ID: pad Instrument ID: CHB.i
 Sublist: chrom-TO15_LLNJ_TO3*sub5
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\TO15_LLNJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Dec-2015 10:54:35 Calib Date: 16-Dec-2015 01:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: daiglep

Date: 16-Dec-2015 09:51:46

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	3.160	3.160	0.000	98	92450	4.99	5.78	
2 Dichlorodifluoromethane	85	3.218	3.219	-0.001	99	325821	4.99	5.28	
3 Chlorodifluoromethane	51	3.256	3.256	0.000	97	177846	4.99	5.35	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.443	3.443	0.000	94	312840	4.99	5.15	
5 Chloromethane	50	3.576	3.576	0.000	99	100740	4.99	5.32	
6 Butane	43	3.752	3.752	0.000	99	166114	4.99	5.33	
7 Vinyl chloride	62	3.790	3.790	0.000	98	125363	4.99	5.16	
8 Butadiene	54	3.859	3.859	0.000	94	93919	4.99	5.28	
9 BFB									
10 Bromomethane	94	4.547	4.547	0.000	99	142385	4.99	4.86	
11 Chloroethane	64	4.788	4.788	0.000	99	81936	4.99	4.85	
12 2-Methylbutane	43	4.862	4.857	0.005	93	160095	4.99	4.96	
13 Vinyl bromide	106	5.198	5.199	-0.001	100	154816	4.99	4.82	
14 Trichlorofluoromethane	101	5.295	5.295	0.000	98	351799	4.99	5.04	
15 Pentane	43	5.433	5.433	0.000	96	250240	4.99	5.16	
16 Ethanol	45	5.764	5.764	0.000	99	131615	10.0	11.0	
17 Ethyl ether	59	5.908	5.908	0.000	95	109743	4.99	5.07	
18 Acrolein	56	6.298	6.298	0.000	94	54369	4.99	5.87	
19 1,1,2-Trichloro-1,2,2-trif	101	6.335	6.335	0.000	98	315908	4.99	5.02	
20 1,1-Dichloroethene	96	6.410	6.410	0.000	96	159533	4.99	4.99	
21 Acetone	43	6.570	6.570	0.000	96	245637	4.99	6.22	
22 Isopropyl alcohol	45	6.773	6.778	-0.005	99	228892	4.99	5.69	
23 Carbon disulfide	76	6.842	6.842	0.000	98	425010	4.99	5.06	
24 3-Chloro-1-propene	41	7.120	7.120	0.000	93	181887	4.99	4.83	
26 Acetonitrile	41	7.205	7.200	0.005	99	124023	4.99	5.85	
27 Methylene Chloride	49	7.381	7.381	0.000	91	171370	4.99	5.08	
28 2-Methyl-2-propanol	59	7.477	7.477	0.000	93	300133	4.99	5.27	
29 Methyl tert-butyl ether	73	7.718	7.712	0.006	97	459405	4.99	5.04	
30 trans-1,2-Dichloroethene	61	7.787	7.787	0.000	97	226376	4.99	5.12	
31 Acrylonitrile	53	7.878	7.878	0.000	95	121318	4.99	5.25	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Hexane	57	8.107	8.107	0.000	91	260961	4.99	5.12	
33 1,1-Dichloroethane	63	8.534	8.534	0.000	99	301071	4.99	5.13	
34 Vinyl acetate	43	8.539	8.539	0.000	100	420091	4.99	5.61	
* 39 Chlorobromomethane	128	9.810	8.632	1.178	92	304275	10.0	10.0	
36 2-Butanone (MEK)	72	9.431	9.431	0.000	96	92258	4.99	5.25	
37 cis-1,2-Dichloroethene	96	9.441	9.441	0.000	95	188690	4.99	5.10	
35 Ethyl acetate	88	9.436	9.441	-0.005	94	16841	4.99	5.30	
38 Tetrahydrofuran	42	9.815	9.810	0.005	94	196378	4.99	5.60	
40 Chloroform	83	9.884	9.884	0.000	95	332078	4.99	5.08	
S 41 1,2-Dichloroethene, Total	61				0		9.99	10.2	
42 1,1,1-Trichloroethane	97	10.140	10.141	-0.001	96	325851	4.99	4.99	
43 Cyclohexane	84	10.146	10.146	0.000	95	256712	4.99	4.99	
44 Carbon tetrachloride	117	10.338	10.343	-0.005	97	305928	4.99	5.21	
45 Isooctane	57	10.615	10.621	-0.006	100	905365	4.99	5.07	
46 Benzene	78	10.669	10.669	0.000	95	571981	4.99	4.92	
47 1,2-Dichloroethane	62	10.776	10.776	0.000	96	194755	4.99	5.16	
48 n-Heptane	43	10.866	10.866	0.000	91	328208	4.99	5.14	
A 49 GRO	1	10.936	(4.847-17.024)		0	72249243	4.99	0	
* 50 1,4-Difluorobenzene	114	11.213	11.213	0.000	93	1533114	10.0	10.0	
51 n-Butanol	56	11.384	11.384	0.000	85	121863	4.99	5.65	
53 Trichloroethene	95	11.576	11.582	-0.006	96	244507	4.99	4.92	
54 1,2-Dichloropropane	63	11.955	11.960	-0.005	95	217129	4.99	5.07	
55 Methyl methacrylate	69	11.987	11.987	0.000	98	206720	4.99	5.02	
56 1,4-Dioxane	88	12.078	12.078	0.000	91	112312	4.99	5.77	
57 Dibromomethane	174	12.147	12.147	0.000	92	281055	4.99	4.98	
58 Dichlorobromomethane	83	12.313	12.313	0.000	93	375203	4.99	5.10	
A 59 TVOC as Toluene	1	12.580	(3.150-22.009)		0	125317638	4.99	0	
60 cis-1,3-Dichloropropene	75	12.942	12.942	0.000	89	324072	4.99	5.06	
61 4-Methyl-2-pentanone (MIBK)	43	13.086	13.087	0.000	95	467793	4.99	5.81	
A 62 C8 Range	1	13.333	(13.293-13.373)		0	3492566	NC	NC	
63 n-Octane	43	13.343	13.343	0.000	91	481011	4.99	5.24	
64 Toluene	92	13.369	13.369	0.000	93	441578	4.99	4.97	
A 65 Toluene Range	1	13.384	(13.359-13.409)		0	3492566	NC	NC	
66 trans-1,3-Dichloropropene	75	13.732	13.738	-0.006	95	313120	4.99	5.05	
67 1,1,2-Trichloroethane	83	14.010	14.010	0.000	94	212422	4.99	5.04	
68 Tetrachloroethene	166	14.138	14.138	0.000	95	402031	4.99	4.96	
69 2-Hexanone	43	14.261	14.261	0.000	95	456976	4.99	5.74	
70 Chlorodibromomethane	129	14.554	14.554	0.000	98	398086	4.99	4.97	
71 Ethylene Dibromide	107	14.757	14.762	-0.005	98	398272	4.99	5.06	
* 72 Chlorobenzene-d5	117	15.312	15.312	0.000	83	1379650	10.0	10.0	
73 Chlorobenzene	112	15.349	15.349	0.000	97	618930	4.99	4.99	
74 Ethylbenzene	91	15.413	15.419	-0.006	98	974745	4.99	5.08	
75 n-Nonane	57	15.429	15.429	0.000	92	469721	4.99	5.15	
76 m-Xylene & p-Xylene	106	15.563	15.563	0.000	0	779984	9.99	10.0	
S 77 Xylenes, Total	106				0		15.0	15.0	
78 o-Xylene	106	16.070	16.070	0.000	99	390992	4.99	5.02	
79 Styrene	104	16.096	16.097	-0.001	97	678167	4.99	5.37	
80 Bromoform	173	16.390	16.390	0.000	100	335259	4.99	4.98	
81 Isopropylbenzene	105	16.481	16.481	0.000	95	1146869	4.99	5.08	
* 82 4-Bromofluorobenzene	95	16.742	16.742	0.000	98	955769	10.0	10.0	
83 1,1,1,2,2-Tetrachloroethane	83	16.892	16.892	0.000	97	588649	4.99	5.14	
84 N-Propylbenzene	91	16.956	16.956	0.000	100	1382902	4.99	5.16	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 1,2,3-Trichloropropane	75	16.977	16.977	0.000	97	439987	4.99	5.17	
86 n-Decane	57	17.014	17.014	0.000	90	617878	4.99	5.29	
87 4-Ethyltoluene	105	17.078	17.079	-0.001	98	1164487	4.99	5.14	
88 2-Chlorotoluene	91	17.126	17.127	-0.001	95	914862	4.99	5.12	
89 1,3,5-Trimethylbenzene	105	17.148	17.148	0.000	94	944473	4.99	5.09	
90 Alpha Methyl Styrene	118	17.420	17.425	-0.005	91	508044	4.99	5.20	
91 tert-Butylbenzene	119	17.527	17.527	0.000	96	946314	4.99	5.12	
92 1,2,4-Trimethylbenzene	105	17.596	17.596	0.000	96	970901	4.99	5.16	
93 sec-Butylbenzene	105	17.783	17.783	0.000	99	1447382	4.99	5.20	
94 4-Isopropyltoluene	119	17.938	17.938	0.000	98	1249259	4.99	5.27	
95 1,3-Dichlorobenzene	146	18.018	18.023	-0.005	95	735263	4.99	5.26	
96 1,4-Dichlorobenzene	146	18.135	18.135	0.000	97	738620	4.99	5.26	
97 Benzyl chloride	91	18.290	18.290	0.000	100	747429	4.99	5.10	
98 Undecane	57	18.407	18.407	0.000	95	661807	4.99	5.57	
99 n-Butylbenzene	91	18.450	18.450	0.000	98	1123270	4.99	5.49	
100 1,2-Dichlorobenzene	146	18.626	18.626	0.000	98	701627	4.99	5.28	
102 Dodecane	57	19.880	19.880	0.000	97	516472	4.99	4.51	
103 1,2,4-Trichlorobenzene	180	21.022	21.023	0.000	93	550282	4.99	4.93	
104 Hexachlorobutadiene	225	21.183	21.183	0.000	96	462802	4.99	4.65	
105 Naphthalene	128	21.519	21.519	0.000	100	1254845	4.99	5.38	
106 1,2,3-Trichlorobenzene	180	21.999	21.999	0.000	95	466408	4.99	4.49	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL3w_00155

Amount Added: 200.00

Units: mL

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHB.i\\20151215-17332.b\\17332_08.D

Injection Date: 15-Dec-2015 21:46:30

Instrument ID: CHB.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

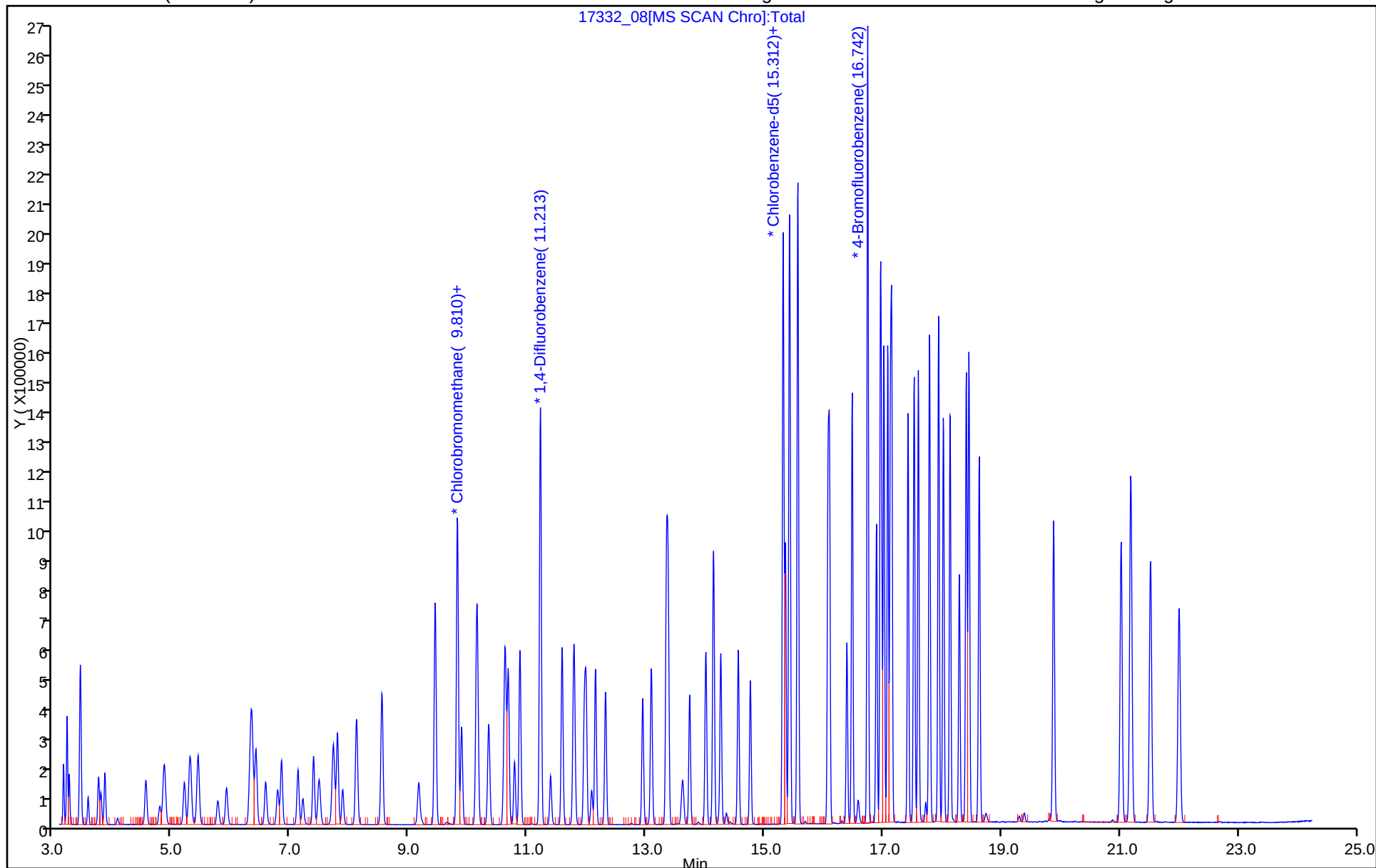
ALS Bottle#: 8

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_09.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 15-Dec-2015 22:38:30 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017332-009
 Misc. Info.: icis-05
 Operator ID: pad Instrument ID: CHB.i
 Sublist: chrom-TO15_LLNJ_TO3*sub5
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\TO15_LLNJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Dec-2015 10:54:37 Calib Date: 16-Dec-2015 01:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: daiglep

Date: 16-Dec-2015 09:35:23

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	3.160	3.160	0.000	99	191715	10.0	11.2	
2 Dichlorodifluoromethane	85	3.219	3.219	0.000	99	703316	10.0	10.7	
3 Chlorodifluoromethane	51	3.256	3.256	0.000	97	378581	10.0	10.7	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.443	3.443	0.000	96	685278	10.0	10.6	
5 Chloromethane	50	3.576	3.576	0.000	99	215679	10.0	10.7	
6 Butane	43	3.752	3.752	0.000	98	352958	10.0	10.6	
7 Vinyl chloride	62	3.790	3.790	0.000	98	280352	10.0	10.8	
8 Butadiene	54	3.859	3.859	0.000	96	202943	10.0	10.7	
9 BFB									
10 Bromomethane	94	4.547	4.547	0.000	100	328043	10.0	10.5	
11 Chloroethane	64	4.788	4.788	0.000	99	188524	10.0	10.4	
12 2-Methylbutane	43	4.857	4.857	0.000	92	343306	10.0	9.96	
13 Vinyl bromide	106	5.199	5.199	0.000	99	344255	10.0	10.0	
14 Trichlorofluoromethane	101	5.295	5.295	0.000	98	753925	10.0	10.1	
15 Pentane	43	5.433	5.433	0.000	97	533292	10.0	10.3	
16 Ethanol	45	5.764	5.764	0.000	99	178005	15.0	13.9	
17 Ethyl ether	59	5.908	5.908	0.000	95	237084	10.0	10.2	
18 Acrolein	56	6.298	6.298	0.000	95	101377	10.0	10.2	
19 1,1,2-Trichloro-1,2,2-trif	101	6.335	6.335	0.000	98	678074	10.0	10.1	
20 1,1-Dichloroethene	96	6.410	6.410	0.000	96	339781	10.0	9.94	
21 Acetone	43	6.570	6.570	0.000	96	448497	10.0	10.6	
22 Isopropyl alcohol	45	6.778	6.778	0.000	99	502884	10.0	11.7	
23 Carbon disulfide	76	6.842	6.842	0.000	98	908056	10.0	10.1	
24 3-Chloro-1-propene	41	7.120	7.120	0.000	93	424081	10.0	10.5	
26 Acetonitrile	41	7.200	7.200	0.000	99	254942	10.0	11.2	
27 Methylene Chloride	49	7.381	7.381	0.000	91	359108	10.0	9.97	
28 2-Methyl-2-propanol	59	7.477	7.477	0.000	92	690765	10.0	11.3	
29 Methyl tert-butyl ether	73	7.712	7.712	0.000	97	983678	10.0	10.1	
30 trans-1,2-Dichloroethene	61	7.787	7.787	0.000	97	477144	10.0	10.1	
31 Acrylonitrile	53	7.878	7.878	0.000	96	255596	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Hexane	57	8.107	8.107	0.000	91	543649	10.0	9.98	
33 1,1-Dichloroethane	63	8.534	8.534	0.000	99	632095	10.0	10.1	
34 Vinyl acetate	43	8.539	8.539	0.000	100	874235	10.0	10.9	
* 39 Chlorobromomethane	128	9.810	9.810	0.000	92	325223	10.0	10.0	
36 2-Butanone (MEK)	72	9.431	9.431	0.000	99	194025	10.0	10.3	
37 cis-1,2-Dichloroethene	96	9.441	9.441	0.000	93	398483	10.0	10.1	
35 Ethyl acetate	88	9.441	9.441	0.000	95	34811	10.0	10.2	
38 Tetrahydrofuran	42	9.810	9.810	0.000	93	399216	10.0	10.9	
40 Chloroform	83	9.884	9.884	0.000	95	706706	10.0	10.1	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.2	
42 1,1,1-Trichloroethane	97	10.141	10.141	0.000	94	687870	10.0	10.1	
43 Cyclohexane	84	10.146	10.146	0.000	95	544064	10.0	10.1	
44 Carbon tetrachloride	117	10.343	10.343	0.000	97	722975	10.0	11.8	
45 Isooctane	57	10.621	10.621	0.000	100	1905780	10.0	10.2	
46 Benzene	78	10.669	10.669	0.000	94	1213866	10.0	9.99	
47 1,2-Dichloroethane	62	10.776	10.776	0.000	96	404625	10.0	10.3	
48 n-Heptane	43	10.866	10.866	0.000	90	679888	10.0	10.2	
A 49 GRO	1	10.936	(4.847-17.024)		0	148366293	10.0	0	
* 50 1,4-Difluorobenzene	114	11.213	11.213	0.000	93	1603649	10.0	10.0	
51 n-Butanol	56	11.384	11.384	0.000	85	254861	10.0	11.3	
53 Trichloroethene	95	11.582	11.582	0.000	96	519767	10.0	10.0	
54 1,2-Dichloropropane	63	11.960	11.960	0.000	88	457036	10.0	10.2	
55 Methyl methacrylate	69	11.987	11.987	0.000	98	440571	10.0	10.2	
56 1,4-Dioxane	88	12.078	12.078	0.000	91	232127	10.0	11.4	
57 Dibromomethane	174	12.147	12.147	0.000	92	609564	10.0	10.3	
58 Dichlorobromomethane	83	12.313	12.313	0.000	97	787990	10.0	10.2	
A 59 TVOC as Toluene	1	12.580	(3.150-22.009)		0	256362789	10.0	0	
60 cis-1,3-Dichloropropene	75	12.942	12.942	0.000	89	684625	10.0	10.2	
61 4-Methyl-2-pentanone (MIBK)	43	13.087	13.087	0.000	94	876125	10.0	10.4	
A 62 C8 Range	1	13.333	(13.293-13.373)		0	7244448	NC	NC	
63 n-Octane	43	13.343	13.343	0.000	90	973104	10.0	10.1	
64 Toluene	92	13.369	13.369	0.000	93	927993	10.0	9.95	
A 65 Toluene Range	1	13.384	(13.359-13.409)		0	7244448	NC	NC	
66 trans-1,3-Dichloropropene	75	13.738	13.738	0.000	95	663958	10.0	10.2	
67 1,1,2-Trichloroethane	83	14.010	14.010	0.000	94	449603	10.0	10.2	
68 Tetrachloroethene	166	14.138	14.138	0.000	96	836603	10.0	9.82	
69 2-Hexanone	43	14.261	14.261	0.000	96	854650	10.0	10.2	
70 Chlorodibromomethane	129	14.554	14.554	0.000	98	828641	10.0	9.85	
71 Ethylene Dibromide	107	14.762	14.762	0.000	99	838786	10.0	10.1	
* 72 Chlorobenzene-d5	117	15.312	15.312	0.000	83	1449686	10.0	10.0	
73 Chlorobenzene	112	15.349	15.349	0.000	97	1304648	10.0	10.0	
74 Ethylbenzene	91	15.419	15.419	0.000	97	2038239	10.0	10.1	
75 n-Nonane	57	15.429	15.429	0.000	91	973344	10.0	10.2	
76 m-Xylene & p-Xylene	106	15.563	15.563	0.000	0	1654531	20.0	20.2	
S 77 Xylenes, Total	106				0		30.0	30.2	
78 o-Xylene	106	16.070	16.070	0.000	99	823025	10.0	10.1	
79 Styrene	104	16.097	16.097	0.000	97	1330505	10.0	10.0	
80 Bromoform	173	16.390	16.390	0.000	100	624507	10.0	8.83	
81 Isopropylbenzene	105	16.481	16.481	0.000	95	2403276	10.0	10.1	
* 82 4-Bromofluorobenzene	95	16.742	16.742	0.000	98	1004516	10.0	10.0	
83 1,1,1,2,2-Tetrachloroethane	83	16.892	16.892	0.000	97	1234778	10.0	10.3	
84 N-Propylbenzene	91	16.956	16.956	0.000	100	2878737	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
85 1,2,3-Trichloropropane	75	16.977	16.977	0.000	98	917273	10.0	10.3	
86 n-Decane	57	17.014	17.014	0.000	90	1293843	10.0	10.5	
87 4-Ethyltoluene	105	17.079	17.079	0.000	98	2437385	10.0	10.2	
88 2-Chlorotoluene	91	17.127	17.127	0.000	96	1920498	10.0	10.2	
89 1,3,5-Trimethylbenzene	105	17.148	17.148	0.000	94	1995283	10.0	10.2	
90 Alpha Methyl Styrene	118	17.425	17.425	0.000	91	1050382	10.0	10.2	
91 tert-Butylbenzene	119	17.527	17.527	0.000	96	1994439	10.0	10.3	
92 1,2,4-Trimethylbenzene	105	17.596	17.596	0.000	96	2030464	10.0	10.3	
93 sec-Butylbenzene	105	17.783	17.783	0.000	99	3016395	10.0	10.3	
94 4-Isopropyltoluene	119	17.938	17.938	0.000	98	2600422	10.0	10.4	
95 1,3-Dichlorobenzene	146	18.023	18.023	0.000	95	1500533	10.0	10.2	
96 1,4-Dichlorobenzene	146	18.135	18.135	0.000	96	1508001	10.0	10.2	
97 Benzyl chloride	91	18.290	18.290	0.000	100	1511243	10.0	9.81	
98 Undecane	57	18.407	18.407	0.000	95	1316180	10.0	10.5	
99 n-Butylbenzene	91	18.450	18.450	0.000	98	2282650	10.0	10.6	
100 1,2-Dichlorobenzene	146	18.626	18.626	0.000	98	1432186	10.0	10.3	
102 Dodecane	57	19.880	19.880	0.000	97	1210112	10.0	10.1	
103 1,2,4-Trichlorobenzene	180	21.023	21.023	0.000	93	998066	10.0	8.51	
104 Hexachlorobutadiene	225	21.183	21.183	0.000	95	975791	10.0	9.34	
105 Naphthalene	128	21.519	21.519	0.000	100	1889456	10.0	7.71	
106 1,2,3-Trichlorobenzene	180	21.999	21.999	0.000	95	965266	10.0	8.84	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00515

Amount Added: 200.00

Units: mL

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_09.D

Injection Date: 15-Dec-2015 22:38:30

Instrument ID: CHB.i

Operator ID: pad

Lims ID: icis

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

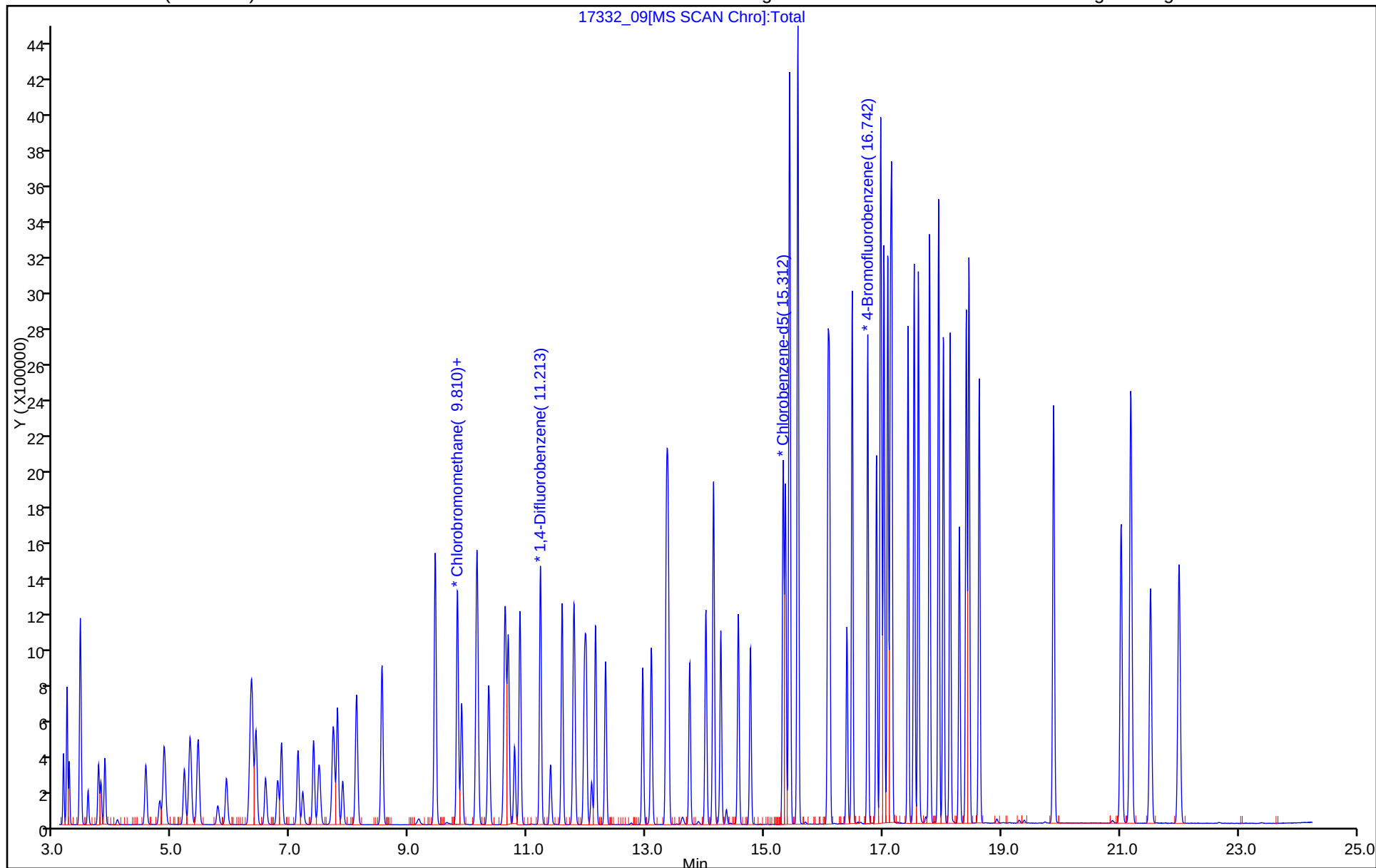
ALS Bottle#: 9

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_10.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 15-Dec-2015 23:30:30 ALS Bottle#: 10 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017332-010
 Misc. Info.: ic-06
 Operator ID: pad Instrument ID: CHB.i
 Sublist: chrom-TO15_LLNJ_TO3*sub5
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\TO15_LLNJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Dec-2015 10:54:39 Calib Date: 16-Dec-2015 01:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: daiglep

Date: 16-Dec-2015 10:41:11

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	3.160	3.160	0.000	98	276360	15.0	14.8	
2 Dichlorodifluoromethane	85	3.219	3.219	0.000	99	1052457	15.0	14.6	
3 Chlorodifluoromethane	51	3.256	3.256	0.000	97	557391	15.0	14.4	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.443	3.443	0.000	86	1034964	15.0	14.6	
5 Chloromethane	50	3.576	3.576	0.000	99	317520	15.0	14.4	
6 Butane	43	3.752	3.752	0.000	98	520973	15.0	14.3	
7 Vinyl chloride	62	3.795	3.790	0.005	98	423944	15.0	15.0	
8 Butadiene	54	3.859	3.859	0.000	94	308131	15.0	14.9	
9 BFB									
10 Bromomethane	94	4.553	4.547	0.006	99	516753	15.0	15.1	
11 Chloroethane	64	4.788	4.788	0.000	99	297569	15.0	15.1	
12 2-Methylbutane	43	4.862	4.857	0.005	92	514369	15.0	13.7	
13 Vinyl bromide	106	5.204	5.199	0.005	100	563291	15.0	15.0	
14 Trichlorofluoromethane	101	5.300	5.295	0.005	98	1209489	15.0	14.9	
15 Pentane	43	5.433	5.433	0.000	96	818288	15.0	14.5	
16 Ethanol	45	5.770	5.764	0.006	99	330393	20.0	23.6	
17 Ethyl ether	59	5.914	5.908	0.006	95	372606	15.0	14.7	
18 Acrolein	56	6.298	6.298	0.000	95	144726	15.0	13.4	
19 1,1,2-Trichloro-1,2,2-trif	101	6.335	6.335	0.000	98	1099860	15.0	15.0	
20 1,1-Dichloroethene	96	6.410	6.410	0.000	95	551343	15.0	14.8	
21 Acetone	43	6.576	6.570	0.006	95	683006	15.0	14.8	
22 Isopropyl alcohol	45	6.784	6.778	0.006	99	671441	15.0	14.3	
23 Carbon disulfide	76	6.842	6.842	0.000	98	1468063	15.0	15.0	
24 3-Chloro-1-propene	41	7.120	7.120	0.000	92	595012	15.0	13.5	
26 Acetonitrile	41	7.205	7.200	0.005	100	354653	15.0	14.3	
27 Methylene Chloride	49	7.381	7.381	0.000	89	549726	15.0	14.0	
28 2-Methyl-2-propanol	59	7.483	7.477	0.006	92	974321	15.0	14.7	
29 Methyl tert-butyl ether	73	7.718	7.712	0.006	97	1555614	15.0	14.6	
30 trans-1,2-Dichloroethene	61	7.787	7.787	0.000	96	751926	15.0	14.6	
31 Acrylonitrile	53	7.878	7.878	0.000	96	393482	15.0	14.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Hexane	57	8.113	8.107	0.006	89	850905	15.0	14.3	
33 1,1-Dichloroethane	63	8.539	8.534	0.005	99	982177	15.0	14.3	
34 Vinyl acetate	43	8.539	8.539	0.000	100	1312376	15.0	15.0	
* 39 Chlorobromomethane	128	9.815	9.810	0.005	90	355063	10.0	10.0	
36 2-Butanone (MEK)	72	9.431	9.431	0.000	97	299959	15.0	14.6	
37 cis-1,2-Dichloroethene	96	9.441	9.441	0.000	93	639346	15.0	14.8	
35 Ethyl acetate	88	9.441	9.441	0.000	92	55884	15.0	15.1	
38 Tetrahydrofuran	42	9.815	9.810	0.005	92	590245	15.0	14.5	
40 Chloroform	83	9.884	9.884	0.000	95	1107701	15.0	14.5	
S 41 1,2-Dichloroethene, Total	61				0		30.0	29.4	
42 1,1,1-Trichloroethane	97	10.141	10.141	0.000	95	1087490	15.0	14.4	
43 Cyclohexane	84	10.151	10.146	0.005	94	870166	15.0	14.6	
44 Carbon tetrachloride	117	10.343	10.343	0.000	97	1120546	15.0	16.5	
45 Isooctane	57	10.621	10.621	0.000	100	2948781	15.0	14.3	
46 Benzene	78	10.674	10.669	0.005	94	1916858	15.0	14.3	
47 1,2-Dichloroethane	62	10.781	10.776	0.005	96	622095	15.0	14.3	
48 n-Heptane	43	10.872	10.866	0.006	88	1019300	15.0	13.8	
A 49 GRO	1	10.936	(4.847-17.024)		0	233700167	15.0	0	
* 50 1,4-Difluorobenzene	114	11.219	11.213	0.006	93	1772979	10.0	10.0	
51 n-Butanol	56	11.389	11.384	0.005	84	334299	15.0	13.4	
53 Trichloroethene	95	11.582	11.582	0.000	96	822217	15.0	14.3	
54 1,2-Dichloropropane	63	11.960	11.960	0.000	95	710814	15.0	14.4	
55 Methyl methacrylate	69	11.987	11.987	0.000	99	700525	15.0	14.7	
56 1,4-Dioxane	88	12.083	12.078	0.005	91	303999	15.0	13.5	
57 Dibromomethane	174	12.147	12.147	0.000	92	906019	15.0	13.9	
58 Dichlorobromomethane	83	12.318	12.313	0.005	97	1262177	15.0	14.8	
A 59 TVOC as Toluene	1	12.580	(3.150-22.009)		0	404369130	15.0	0	
60 cis-1,3-Dichloropropene	75	12.942	12.942	0.000	88	1084080	15.0	14.6	
61 4-Methyl-2-pentanone (MIBK)	43	13.092	13.087	0.006	93	1293496	15.0	13.9	
A 62 C8 Range	1	13.333	(13.293-13.373)		0	11159906	NC	NC	
63 n-Octane	43	13.343	13.343	0.000	88	1443653	15.0	13.6	
64 Toluene	92	13.375	13.369	0.006	94	1462725	15.0	14.4	
A 65 Toluene Range	1	13.384	(13.359-13.409)		0	11159906	NC	NC	
66 trans-1,3-Dichloropropene	75	13.738	13.738	0.000	94	1034105	15.0	14.4	
67 1,1,2-Trichloroethane	83	14.010	14.010	0.000	94	704519	15.0	14.6	
68 Tetrachloroethene	166	14.138	14.138	0.000	95	1343333	15.0	14.5	
69 2-Hexanone	43	14.261	14.261	0.000	97	1262478	15.0	13.8	
70 Chlorodibromomethane	129	14.560	14.554	0.006	98	1429084	15.0	15.6	
71 Ethylene Dibromide	107	14.762	14.762	0.000	98	1324024	15.0	14.7	
* 72 Chlorobenzene-d5	117	15.317	15.312	0.005	82	1582595	10.0	10.0	
73 Chlorobenzene	112	15.355	15.349	0.006	97	2069708	15.0	14.5	
74 Ethylbenzene	91	15.419	15.419	0.000	97	3183552	15.0	14.5	
75 n-Nonane	57	15.429	15.429	0.000	87	1479349	15.0	14.1	
76 m-Xylene & p-Xylene	106	15.563	15.563	0.000	0	2616149	30.0	29.2	
S 77 Xylenes, Total	106				0		45.0	43.9	
78 o-Xylene	106	16.075	16.070	0.005	99	1306821	15.0	14.6	
79 Styrene	104	16.097	16.097	0.000	97	2094341	15.0	14.5	
80 Bromoform	173	16.390	16.390	0.000	100	1388893	15.0	18.0	
81 Isopropylbenzene	105	16.481	16.481	0.000	94	3781745	15.0	14.6	
* 82 4-Bromofluorobenzene	95	16.742	16.742	0.000	98	1094338	10.0	10.0	
83 1,1,1,2,2-Tetrachloroethane	83	16.892	16.892	0.000	97	1903161	15.0	14.5	
84 N-Propylbenzene	91	16.961	16.956	0.005	100	4495061	15.0	14.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 1,2,3-Trichloropropane	75	16.977	16.977	0.000	97	1411897	15.0	14.5	
86 n-Decane	57	17.020	17.014	0.006	90	1963241	15.0	14.6	
87 4-Ethyltoluene	105	17.084	17.079	0.005	98	3833838	15.0	14.8	
88 2-Chlorotoluene	91	17.127	17.127	0.000	97	3021619	15.0	14.7	
89 1,3,5-Trimethylbenzene	105	17.148	17.148	0.000	94	3156459	15.0	14.8	
90 Alpha Methyl Styrene	118	17.425	17.425	0.000	91	1690381	15.0	15.1	
91 tert-Butylbenzene	119	17.527	17.527	0.000	96	3115344	15.0	14.7	
92 1,2,4-Trimethylbenzene	105	17.602	17.596	0.006	96	3176979	15.0	14.7	
93 sec-Butylbenzene	105	17.788	17.783	0.005	99	4688736	15.0	14.7	
94 4-Isopropyltoluene	119	17.943	17.938	0.005	98	4022005	15.0	14.8	
95 1,3-Dichlorobenzene	146	18.023	18.023	0.000	95	2354731	15.0	14.7	
96 1,4-Dichlorobenzene	146	18.135	18.135	0.000	97	2354576	15.0	14.6	
97 Benzyl chloride	91	18.290	18.290	0.000	100	2572654	15.0	15.3	
98 Undecane	57	18.407	18.407	0.000	93	1884623	15.0	13.8	
99 n-Butylbenzene	91	18.455	18.450	0.005	98	3292277	15.0	14.0	
100 1,2-Dichlorobenzene	146	18.626	18.626	0.000	99	2240110	15.0	14.7	
102 Dodecane	57	19.880	19.880	0.000	97	2040641	15.0	15.5	
103 1,2,4-Trichlorobenzene	180	21.023	21.023	0.001	93	1764515	15.0	13.8	
104 Hexachlorobutadiene	225	21.188	21.183	0.005	95	1648739	15.0	14.5	
105 Naphthalene	128	21.519	21.519	0.000	100	3553019	15.0	13.3	
106 1,2,3-Trichlorobenzene	180	22.005	21.999	0.006	95	1707242	15.0	14.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL5w_00057

Amount Added: 200.00

Units: mL

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_10.D

Injection Date: 15-Dec-2015 23:30:30

Instrument ID: CHB.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

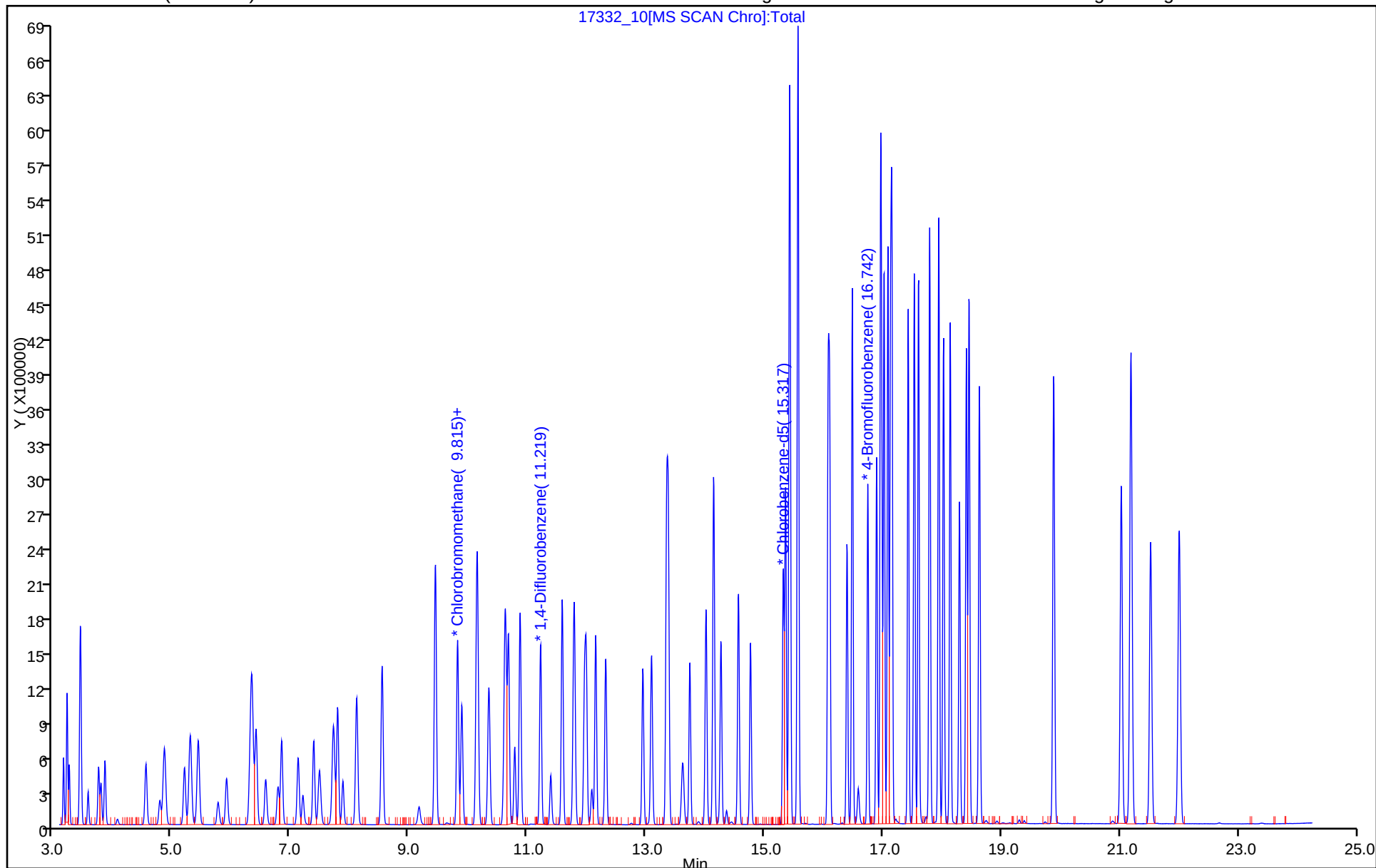
ALS Bottle#: 10

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_11.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 16-Dec-2015 00:23:30 ALS Bottle#: 11 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017332-011
 Misc. Info.: ic-07
 Operator ID: pad Instrument ID: CHB.i
 Sublist: chrom-TO15_LLNJ_TO3*sub5
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\TO15_LLNJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Dec-2015 10:54:41 Calib Date: 16-Dec-2015 01:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: daiglep

Date: 16-Dec-2015 10:41:48

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	3.160	3.160	0.000	98	374783	20.0	18.7	
2 Dichlorodifluoromethane	85	3.218	3.219	-0.001	99	1472629	20.0	19.0	
3 Chlorodifluoromethane	51	3.256	3.256	0.000	97	766430	20.0	18.4	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.443	3.443	0.000	94	1419928	20.0	18.6	
5 Chloromethane	50	3.571	3.576	-0.005	99	438722	20.0	18.5	
6 Butane	43	3.752	3.752	0.000	98	725796	20.0	18.6	
7 Vinyl chloride	62	3.789	3.790	-0.001	97	599009	20.0	19.7	
8 Butadiene	54	3.859	3.859	0.000	94	426233	20.0	19.1	
9 BFB									
10 Bromomethane	94	4.547	4.547	0.000	99	741186	20.0	20.2	
11 Chloroethane	64	4.787	4.788	-0.001	99	421279	20.0	19.9	
12 2-Methylbutane	43	4.862	4.857	0.005	92	713358	20.0	17.6	
13 Vinyl bromide	106	5.204	5.199	0.005	100	803252	20.0	20.0	
14 Trichlorofluoromethane	101	5.300	5.295	0.005	98	1709251	20.0	19.5	
15 Pentane	43	5.433	5.433	0.000	97	1133595	20.0	18.7	
16 Ethanol	45	5.769	5.764	0.005	99	554592	40.0	36.8	
17 Ethyl ether	59	5.914	5.908	0.006	95	529452	20.0	19.5	
18 Acrolein	56	6.298	6.298	0.000	94	233775	20.0	20.1	
19 1,1,2-Trichloro-1,2,2-trif	101	6.335	6.335	0.000	98	1554797	20.0	19.7	
20 1,1-Dichloroethene	96	6.410	6.410	0.000	94	780899	20.0	19.5	
21 Acetone	43	6.570	6.570	0.000	95	897011	20.0	18.1	
22 Isopropyl alcohol	45	6.783	6.778	0.005	99	942815	20.0	18.7	
23 Carbon disulfide	76	6.842	6.842	0.000	98	2078273	20.0	19.7	
24 3-Chloro-1-propene	41	7.120	7.120	0.000	92	874594	20.0	18.5	
26 Acetonitrile	41	7.200	7.200	0.000	100	493000	20.0	18.5	
27 Methylene Chloride	49	7.381	7.381	0.000	87	765360	20.0	18.1	
28 2-Methyl-2-propanol	59	7.483	7.477	0.006	92	1383149	20.0	19.4	
29 Methyl tert-butyl ether	73	7.717	7.712	0.005	97	2202579	20.0	19.3	
30 trans-1,2-Dichloroethene	61	7.787	7.787	0.000	95	1057089	20.0	19.1	
31 Acrylonitrile	53	7.878	7.878	0.000	96	554093	20.0	19.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Hexane	57	8.112	8.107	0.005	89	1193661	20.0	18.7	
33 1,1-Dichloroethane	63	8.539	8.534	0.005	99	1375369	20.0	18.7	
34 Vinyl acetate	43	8.545	8.539	0.006	99	1782776	20.0	19.0	
36 2-Butanone (MEK)	72	9.431	9.431	0.000	100	414070	20.0	18.8	
35 Ethyl acetate	88	9.441	9.441	0.000	94	79004	20.0	19.8	
37 cis-1,2-Dichloroethene	96	9.447	9.441	0.006	93	900532	20.0	19.4	
* 39 Chlorobromomethane	128	9.815	9.810	0.005	87	381683	10.0	10.0	
38 Tetrahydrofuran	42	9.815	9.810	0.005	91	800551	20.0	19.1	
40 Chloroform	83	9.884	9.884	0.000	95	1558354	20.0	19.0	
S 41 1,2-Dichloroethene, Total	61				0		40.0	38.5	
42 1,1,1-Trichloroethane	97	10.140	10.141	-0.001	95	1522579	20.0	19.6	
43 Cyclohexane	84	10.151	10.146	0.005	93	1223391	20.0	19.9	
44 Carbon tetrachloride	117	10.343	10.343	0.000	97	1612376	20.0	23.0	
45 Isooctane	57	10.621	10.621	0.000	99	4127698	20.0	19.4	
46 Benzene	78	10.674	10.669	0.005	94	2704626	20.0	19.5	
47 1,2-Dichloroethane	62	10.781	10.776	0.005	96	873547	20.0	19.4	
48 n-Heptane	43	10.872	10.866	0.006	88	1392727	20.0	18.3	
A 49 GRO	1	10.936	(4.847-17.024)		0	321167883	20.0	0	
* 50 1,4-Difluorobenzene	114	11.218	11.213	0.005	93	1827833	10.0	10.0	
51 n-Butanol	56	11.389	11.384	0.005	83	488046	20.0	19.0	
53 Trichloroethene	95	11.581	11.582	-0.001	95	1154562	20.0	19.5	
54 1,2-Dichloropropane	63	11.960	11.960	0.000	95	982636	20.0	19.2	
55 Methyl methacrylate	69	11.992	11.987	0.005	97	977552	20.0	19.9	
56 1,4-Dioxane	88	12.083	12.078	0.005	90	426463	20.0	18.4	
57 Dibromomethane	174	12.147	12.147	0.000	91	1347746	20.0	20.0	
58 Dichlorobromomethane	83	12.318	12.313	0.005	97	1735917	20.0	19.8	
A 59 TVOC as Toluene	1	12.580	(3.150-22.009)		0	556783858	20.0	0	
60 cis-1,3-Dichloropropene	75	12.942	12.942	0.000	88	1523581	20.0	19.9	
61 4-Methyl-2-pentanone (MIBK)	43	13.092	13.087	0.006	93	1768882	20.0	18.4	
A 62 C8 Range	1	13.333	(13.293-13.373)		0	15425270	NC	NC	
63 n-Octane	43	13.343	13.343	0.000	90	1945146	20.0	17.8	
64 Toluene	92	13.375	13.369	0.006	94	2043745	20.0	19.6	
A 65 Toluene Range	1	13.384	(13.359-13.409)		0	15425270	NC	NC	
66 trans-1,3-Dichloropropene	75	13.737	13.738	-0.001	94	1455575	20.0	19.7	
67 1,1,2-Trichloroethane	83	14.010	14.010	0.000	94	980032	20.0	19.8	
68 Tetrachloroethene	166	14.138	14.138	0.000	96	1866595	20.0	19.6	
69 2-Hexanone	43	14.260	14.261	-0.001	98	1709662	20.0	18.2	
70 Chlorodibromomethane	129	14.559	14.554	0.005	98	1905696	20.0	20.2	
71 Ethylene Dibromide	107	14.762	14.762	0.000	98	1848756	20.0	20.0	
* 72 Chlorobenzene-d5	117	15.317	15.312	0.005	83	1622883	10.0	10.0	
73 Chlorobenzene	112	15.355	15.349	0.006	97	2903138	20.0	19.9	
74 Ethylbenzene	91	15.419	15.419	0.000	97	4386132	20.0	19.5	
75 n-Nonane	57	15.429	15.429	0.000	85	2025595	20.0	18.9	
76 m-Xylene & p-Xylene	106	15.563	15.563	0.000	0	3621309	40.0	39.5	
S 77 Xylenes, Total	106				0		60.0	59.2	
78 o-Xylene	106	16.075	16.070	0.005	99	1811912	20.0	19.8	
79 Styrene	104	16.102	16.097	0.005	97	2884810	20.0	19.4	
80 Bromoform	173	16.395	16.390	0.005	100	1607657	20.0	20.3	
81 Isopropylbenzene	105	16.481	16.481	0.000	95	5277180	20.0	19.9	
* 82 4-Bromofluorobenzene	95	16.742	16.742	0.000	97	1114938	10.0	10.0	
83 1,1,2,2-Tetrachloroethane	83	16.892	16.892	0.000	97	2644161	20.0	19.6	
84 N-Propylbenzene	91	16.961	16.956	0.005	100	6160989	20.0	19.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 1,2,3-Trichloropropane	75	16.977	16.977	0.000	97	1953847	20.0	19.5	
86 n-Decane	57	17.020	17.014	0.006	90	2636627	20.0	19.2	
87 4-Ethyltoluene	105	17.084	17.079	0.005	99	5324463	20.0	20.0	
88 2-Chlorotoluene	91	17.126	17.127	-0.001	95	4188668	20.0	19.9	
89 1,3,5-Trimethylbenzene	105	17.148	17.148	0.000	94	4368335	20.0	20.0	
90 Alpha Methyl Styrene	118	17.425	17.425	0.000	91	2303722	20.0	20.0	
91 tert-Butylbenzene	119	17.532	17.527	0.005	96	4286583	20.0	19.7	
92 1,2,4-Trimethylbenzene	105	17.601	17.596	0.005	96	4342023	20.0	19.6	
93 sec-Butylbenzene	105	17.788	17.783	0.005	99	6347657	20.0	19.4	
94 4-Isopropyltoluene	119	17.943	17.938	0.005	98	5175259	20.0	18.6	
95 1,3-Dichlorobenzene	146	18.023	18.023	0.000	95	3202624	20.0	19.5	
96 1,4-Dichlorobenzene	146	18.135	18.135	0.000	97	3149180	20.0	19.1	
97 Benzyl chloride	91	18.290	18.290	0.000	100	3329984	20.0	19.3	
98 Undecane	57	18.407	18.407	0.000	93	2699938	20.0	19.3	
99 n-Butylbenzene	91	18.455	18.450	0.005	98	4124064	20.0	17.1	
100 1,2-Dichlorobenzene	146	18.626	18.626	0.000	99	2936476	20.0	18.8	
102 Dodecane	57	19.886	19.880	0.006	96	2885384	20.0	21.4	
103 1,2,4-Trichlorobenzene	180	21.028	21.023	0.006	93	2636886	20.0	20.1	
104 Hexachlorobutadiene	225	21.188	21.183	0.005	95	2371349	20.0	20.3	
105 Naphthalene	128	21.519	21.519	0.000	100	5457307	20.0	19.9	
106 1,2,3-Trichlorobenzene	180	22.004	21.999	0.005	96	2570995	20.0	21.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL6w_00114

Amount Added: 200.00

Units: mL

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_11.D

Injection Date: 16-Dec-2015 00:23:30

Instrument ID: CHB.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

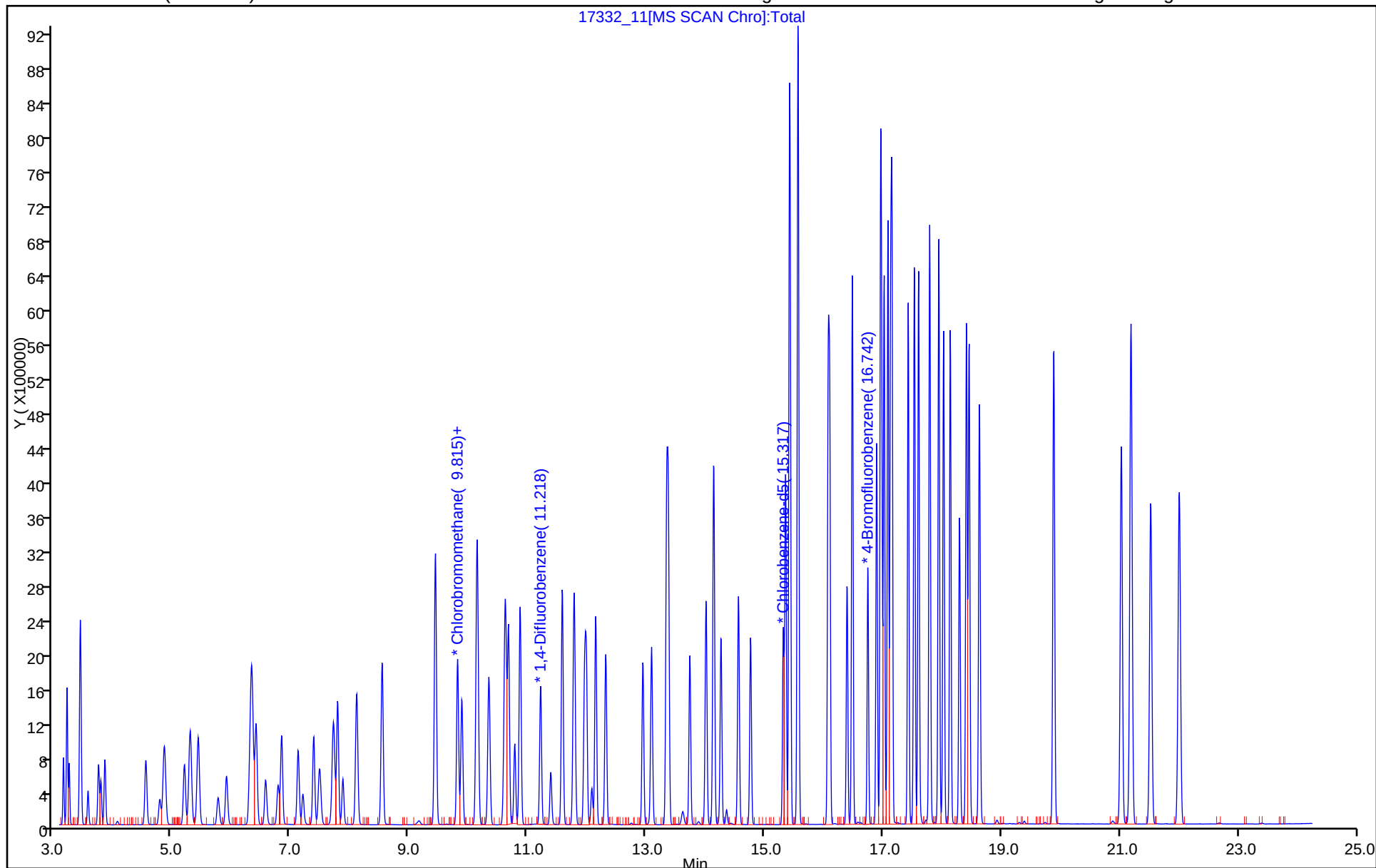
ALS Bottle#: 11

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_12.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 16-Dec-2015 01:15:30 ALS Bottle#: 12 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017332-012
 Misc. Info.: ic-08
 Operator ID: pad Instrument ID: CHB.i
 Sublist: chrom-TO15_LLNJ_TO3*sub5
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\TO15_LLNJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Dec-2015 10:54:44 Calib Date: 16-Dec-2015 01:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: daiglep

Date: 16-Dec-2015 10:42:28

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	3.160	3.160	0.000	99	722462	40.0	32.1	
2 Dichlorodifluoromethane	85	3.218	3.219	-0.001	99	2963031	40.0	34.1	
3 Chlorodifluoromethane	51	3.256	3.256	0.000	97	1506606	40.0	32.2	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.443	3.443	0.000	96	2809054	40.0	32.9	
5 Chloromethane	50	3.576	3.576	0.000	99	860354	40.0	32.3	
6 Butane	43	3.752	3.752	0.000	98	1379205	40.0	31.4	
7 Vinyl chloride	62	3.789	3.790	-0.001	98	1167106	40.0	34.2	
8 Butadiene	54	3.859	3.859	0.000	94	825176	40.0	33.0	
9 BFB									
10 Bromomethane	94	4.553	4.547	0.006	100	1533812	40.0	37.2	
11 Chloroethane	64	4.787	4.788	-0.001	98	866045	40.0	36.4	
12 2-Methylbutane	43	4.862	4.857	0.005	92	1415727	40.0	31.2	
13 Vinyl bromide	106	5.204	5.199	0.005	99	1693196	40.0	37.5	
14 Trichlorofluoromethane	101	5.300	5.295	0.005	98	3597475	40.0	36.7	
15 Pentane	43	5.439	5.433	0.006	97	2270529	40.0	33.3	
16 Ethanol	45	5.780	5.764	0.016	98	1342738	100.0	79.5	
17 Ethyl ether	59	5.914	5.908	0.006	95	1077092	40.0	35.3	
18 Acrolein	56	6.298	6.298	0.000	93	468276	40.0	36.0	
19 1,1,2-Trichloro-1,2,2-trif	101	6.341	6.335	0.006	99	3256932	40.0	36.8	
20 1,1-Dichloroethene	96	6.415	6.410	0.005	93	1659819	40.0	36.9	
21 Acetone	43	6.575	6.570	0.005	95	1779461	40.0	32.0	
22 Isopropyl alcohol	45	6.794	6.778	0.016	99	1820232	40.0	32.2	
23 Carbon disulfide	76	6.842	6.842	0.000	98	4316412	40.0	36.5	
24 3-Chloro-1-propene	41	7.125	7.120	0.005	91	1663822	40.0	31.4	
26 Acetonitrile	41	7.205	7.200	0.005	100	980861	40.0	32.9	
27 Methylene Chloride	49	7.387	7.381	0.006	86	1530526	40.0	32.3	
28 2-Methyl-2-propanol	59	7.493	7.477	0.016	92	2772063	40.0	34.6	
29 Methyl tert-butyl ether	73	7.723	7.712	0.011	96	4582988	40.0	35.7	
30 trans-1,2-Dichloroethene	61	7.792	7.787	0.005	95	2179843	40.0	35.0	
31 Acrylonitrile	53	7.883	7.878	0.005	96	1129978	40.0	34.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Hexane	57	8.112	8.107	0.005	88	2432802	40.0	33.9	
33 1,1-Dichloroethane	63	8.539	8.534	0.005	99	2774413	40.0	33.6	
34 Vinyl acetate	43	8.545	8.539	0.006	99	3496236	40.0	33.2	
36 2-Butanone (MEK)	72	9.436	9.431	0.005	97	835771	40.0	33.8	
35 Ethyl acetate	88	9.447	9.441	0.006	93	164007	40.0	36.7	
37 cis-1,2-Dichloroethene	96	9.447	9.441	0.006	92	1860091	40.0	35.7	
* 39 Chlorobromomethane	128	9.815	9.810	0.005	91	428033	10.0	10.0	
38 Tetrahydrofuran	42	9.820	9.810	0.010	90	1559657	40.0	34.6	
40 Chloroform	83	9.890	9.884	0.006	94	3238603	40.0	35.2	
S 41 1,2-Dichloroethene, Total	61				0		80.0	70.8	
42 1,1,1-Trichloroethane	97	10.146	10.141	0.005	95	3157185	40.0	37.7	
43 Cyclohexane	84	10.151	10.146	0.005	92	2533855	40.0	38.3	
44 Carbon tetrachloride	117	10.343	10.343	0.000	97	3415566	40.0	45.3	
45 Isooctane	57	10.621	10.621	0.000	99	8286202	40.0	36.2	
46 Benzene	78	10.679	10.669	0.010	94	5620688	40.0	37.7	
47 1,2-Dichloroethane	62	10.781	10.776	0.005	96	1789492	40.0	36.9	
48 n-Heptane	43	10.872	10.866	0.006	86	2708754	40.0	33.0	
A 49 GRO	1	10.936	(4.847-17.024)		0	626008488	40.0	0	
* 50 1,4-Difluorobenzene	114	11.218	11.213	0.005	92	1968984	10.0	10.0	
51 n-Butanol	56	11.395	11.384	0.011	82	993880	40.0	35.9	
53 Trichloroethene	95	11.581	11.582	-0.001	95	2409934	40.0	37.8	
54 1,2-Dichloropropane	63	11.960	11.960	0.000	94	1982872	40.0	36.0	
55 Methyl methacrylate	69	11.992	11.987	0.005	96	1993162	40.0	37.7	
56 1,4-Dioxane	88	12.088	12.078	0.010	89	882165	40.0	35.3	
57 Dibromomethane	174	12.152	12.147	0.005	90	2860329	40.0	39.5	
58 Dichlorobromomethane	83	12.318	12.313	0.005	97	3593904	40.0	38.1	
A 59 TVOC as Toluene	1	12.580	(3.150-22.009)		0	1102412895	40.0	0	
60 cis-1,3-Dichloropropene	75	12.948	12.942	0.006	87	3147971	40.0	38.3	
61 4-Methyl-2-pentanone (MIBK)	43	13.092	13.087	0.006	92	3437768	40.0	33.2	
A 62 C8 Range	1	13.333	(13.293-13.373)		0	30686491	NC	NC	
63 n-Octane	43	13.348	13.343	0.005	85	3638518	40.0	30.9	
64 Toluene	92	13.375	13.369	0.006	94	4210353	40.0	37.9	
A 65 Toluene Range	1	13.384	(13.359-13.409)		0	30686491	NC	NC	
66 trans-1,3-Dichloropropene	75	13.737	13.738	-0.001	93	3045485	40.0	38.3	
67 1,1,2-Trichloroethane	83	14.015	14.010	0.005	93	2015509	40.0	38.3	
68 Tetrachloroethene	166	14.143	14.138	0.005	95	3995905	40.0	39.5	
69 2-Hexanone	43	14.266	14.261	0.005	98	3342306	40.0	33.6	
70 Chlorodibromomethane	129	14.559	14.554	0.005	98	4019027	40.0	40.2	
71 Ethylene Dibromide	107	14.768	14.762	0.006	98	3867823	40.0	39.3	
* 72 Chlorobenzene-d5	117	15.317	15.312	0.005	82	1724287	10.0	10.0	
73 Chlorobenzene	112	15.355	15.349	0.006	98	6109867	40.0	39.4	
74 Ethylbenzene	91	15.419	15.419	0.000	97	8548463	40.0	35.7	
75 n-Nonane	57	15.435	15.429	0.006	88	3740660	40.0	32.8	
76 m-Xylene & p-Xylene	106	15.568	15.563	0.005	0	7238347	80.0	74.2	
S 77 Xylenes, Total	106				0		120.0	112.6	
78 o-Xylene	106	16.075	16.070	0.005	99	3731750	40.0	38.3	
79 Styrene	104	16.102	16.097	0.005	96	6023744	40.0	38.2	
80 Bromoform	173	16.395	16.390	0.005	100	3491094	40.0	41.5	
81 Isopropylbenzene	105	16.486	16.481	0.005	94	10839419	40.0	38.4	
* 82 4-Bromofluorobenzene	95	16.748	16.742	0.006	99	1189151	10.0	10.0	
83 1,1,1,2,2-Tetrachloroethane	83	16.892	16.892	0.000	98	5206786	40.0	36.4	
84 N-Propylbenzene	91	16.961	16.956	0.005	100	11631008	40.0	34.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 1,2,3-Trichloropropane	75	16.982	16.977	0.005	96	3764230	40.0	35.4	
86 n-Decane	57	17.020	17.014	0.006	89	4782557	40.0	32.7	
87 4-Ethyltoluene	105	17.084	17.079	0.005	98	10231295	40.0	36.1	
88 2-Chlorotoluene	91	17.126	17.127	-0.001	95	8164577	40.0	36.6	
89 1,3,5-Trimethylbenzene	105	17.153	17.148	0.005	94	8327375	40.0	35.9	
90 Alpha Methyl Styrene	118	17.425	17.425	0.000	92	4597034	40.0	37.6	
91 tert-Butylbenzene	119	17.532	17.527	0.005	96	8278597	40.0	35.8	
92 1,2,4-Trimethylbenzene	105	17.601	17.596	0.005	96	8472436	40.0	36.0	
93 sec-Butylbenzene	105	17.788	17.783	0.005	99	12357106	40.0	35.5	
94 4-Isopropyltoluene	119	17.943	17.938	0.005	98	10784880	40.0	36.4	
95 1,3-Dichlorobenzene	146	18.023	18.023	0.000	95	6376484	40.0	36.5	
96 1,4-Dichlorobenzene	146	18.140	18.135	0.005	97	6369524	40.0	36.3	
97 Benzyl chloride	91	18.295	18.290	0.005	100	6685733	40.0	36.5	
98 Undecane	57	18.413	18.407	0.006	92	5618460	40.0	37.8	
99 n-Butylbenzene	91	18.455	18.450	0.005	98	9297081	40.0	36.3	
100 1,2-Dichlorobenzene	146	18.631	18.626	0.005	99	6106416	40.0	36.8	
102 Dodecane	57	19.886	19.880	0.006	95	5619092	40.0	39.3	
103 1,2,4-Trichlorobenzene	180	21.028	21.023	0.006	93	6079210	40.0	43.6	
104 Hexachlorobutadiene	225	21.188	21.183	0.005	95	5227333	40.0	42.1	
105 Naphthalene	128	21.524	21.519	0.005	100	12491405	40.0	42.9	
106 1,2,3-Trichlorobenzene	180	22.004	21.999	0.005	95	5618363	40.0	43.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL7w_00058

Amount Added: 200.00

Units: mL

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHB.i\\20151215-17332.b\\17332_12.D

Injection Date: 16-Dec-2015 01:15:30

Instrument ID: CHB.i

Operator ID: pad

Lims ID: ic

Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

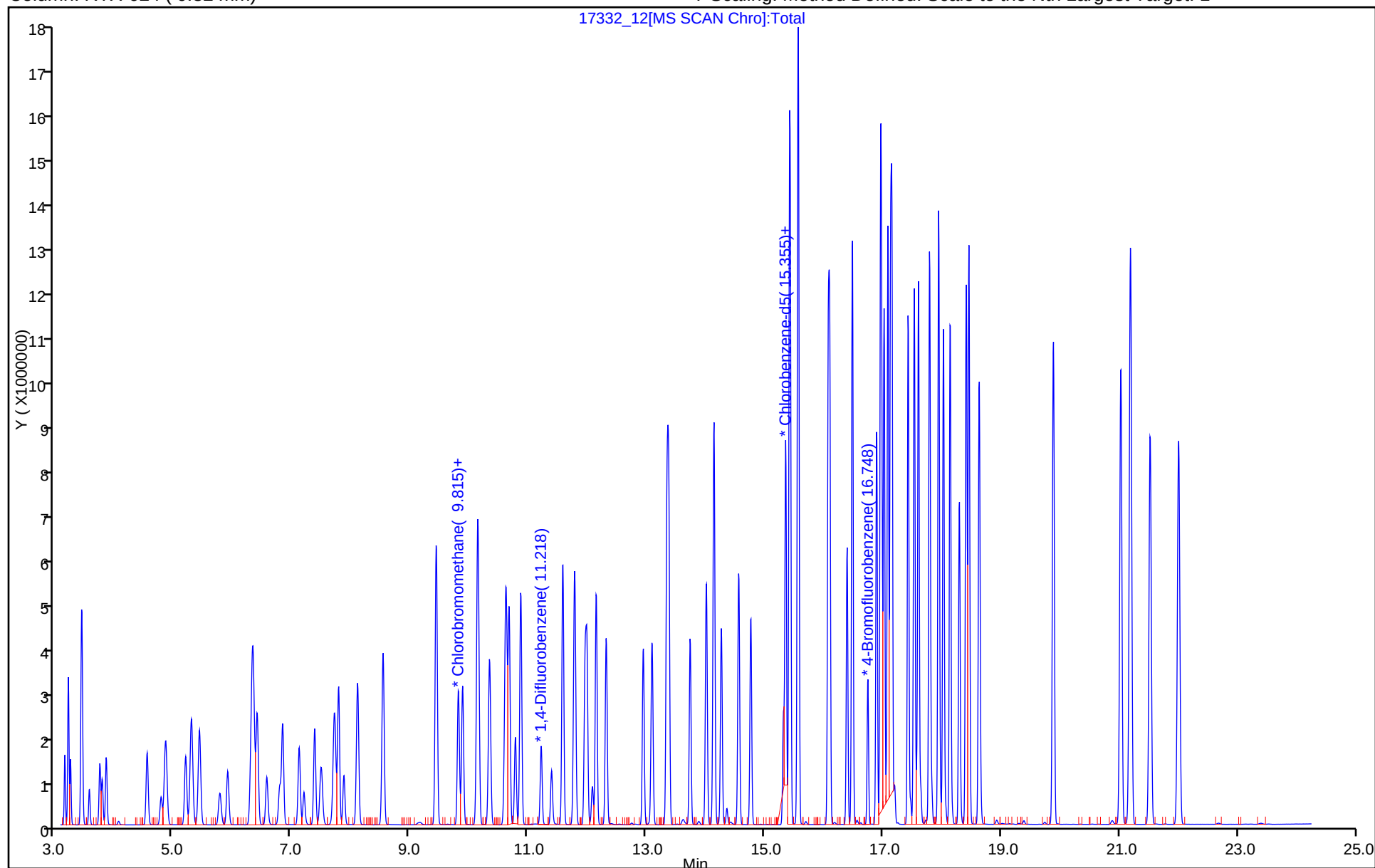
ALS Bottle#: 12

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31474-1
 SDG No.: _____
 Lab Sample ID: ICV 200-98466/15 Calibration Date: 12/16/2015 03:52
 Instrument ID: CHB.i Calib Start Date: 12/15/2015 19:10
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/16/2015 01:15
 Lab File ID: 17332_15.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	0.5260	0.4883		9.28	10.0	-7.2	30.0
Dichlorodifluoromethane	Ave	2.029	1.986		9.78	10.0	-2.1	30.0
Freon 22	Ave	1.092	1.024		9.38	10.0	-6.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.997	2.161		10.8	10.0	8.2	30.0
Chloromethane	Ave	0.6227	0.5634		9.05	10.0	-9.5	30.0
n-Butane	Ave	1.025	0.9388		9.16	10.0	-8.4	30.0
Vinyl chloride	Ave	0.7981	0.7728		9.68	10.0	-3.2	30.0
1,3-Butadiene	Ave	0.5842	0.5439		9.31	10.0	-6.9	30.0
Bromomethane	Ave	0.9629	0.9837		10.2	10.0	2.2	30.0
Chloroethane	Ave	0.5557	0.5501		9.90	10.0	-1.0	30.0
Isopentane	Ave	1.060	1.023		9.64	10.0	-3.5	30.0
Bromoethene (Vinyl Bromide)	Ave	1.055	1.071		10.2	10.0	1.6	30.0
Trichlorofluoromethane	Ave	2.292	2.275		9.93	10.0	-0.7	30.0
n-Pentane	Ave	1.592	1.633		10.3	10.0	2.5	30.0
Ethanol	Ave	0.3947	0.3933		15.0	15.0	-0.3	30.0
Ethyl ether	Ave	0.7121	0.7822		11.0	10.0	9.8	30.0
Acrolein	Ave	0.3042	0.3999		13.1	10.0	31.4*	30.0
Freon TF	Ave	2.070	2.126		10.3	10.0	2.7	30.0
1,1-Dichloroethene	Ave	1.051	1.056		10.1	10.0	0.5	30.0
Acetone	Ave	1.299	1.249		9.61	10.0	-3.8	30.0
Isopropyl alcohol	Ave	1.322	1.225		9.26	10.0	-7.4	30.0
Carbon disulfide	Ave	2.762	3.216		11.6	10.0	16.4	30.0
3-Chloropropene	Ave	1.238	1.129		9.12	10.0	-8.8	30.0
Acetonitrile	Ave	0.6970	0.7198		10.3	10.0	3.3	30.0
Methylene Chloride	Ave	1.108	1.033		9.32	10.0	-6.8	30.0
tert-Butyl alcohol	Ave	1.872	1.863		9.95	10.0	-0.5	30.0
Methyl tert-butyl ether	Ave	2.998	2.964		9.88	10.0	-1.1	30.0
trans-1,2-Dichloroethene	Ave	1.454	1.520		10.5	10.0	4.6	30.0
Acrylonitrile	Ave	0.7595	0.7721		10.2	10.0	1.7	30.0
n-Hexane	Ave	1.674	1.721		10.3	10.0	2.8	30.0
1,1-Dichloroethane	Ave	1.930	1.880		9.74	10.0	-2.6	30.0
Vinyl acetate	Ave	2.459	2.431		9.88	10.0	-1.1	30.0
Methyl Ethyl Ketone	Ave	0.5777	0.5822		10.1	10.0	0.8	30.0
cis-1,2-Dichloroethene	Ave	1.216	1.202		9.88	10.0	-1.2	30.0
Ethyl acetate	Ave	0.1044	0.1150		11.0	10.0	10.1	30.0
Tetrahydrofuran	Ave	0.2289	0.2242		9.79	10.0	-2.1	30.0
Chloroform	Ave	2.149	2.116		9.85	10.0	-1.5	30.0
1,1,1-Trichloroethane	Ave	0.4258	0.4205		9.87	10.0	-1.3	30.0
Cyclohexane	Ave	0.3358	0.3410		10.2	10.0	1.6	30.0
Carbon tetrachloride	Ave	0.3833	0.4435		11.6	10.0	15.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31474-1
 SDG No.: _____
 Lab Sample ID: ICV 200-98466/15 Calibration Date: 12/16/2015 03:52
 Instrument ID: CHB.i Calib Start Date: 12/15/2015 19:10
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/16/2015 01:15
 Lab File ID: 17332_15.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	1.164	1.115		9.57	10.0	-4.2	30.0
Benzene	Ave	0.7578	0.7421		9.79	10.0	-2.1	30.0
1,2-Dichloroethane	Ave	0.2460	0.2388		9.71	10.0	-2.9	30.0
n-Heptane	Ave	0.4165	0.3792		9.10	10.0	-9.0	30.0
n-Butanol	Ave	0.1407	0.1459		10.4	10.0	3.7	30.0
Trichloroethene	Ave	0.3240	0.3217		9.93	10.0	-0.7	30.0
1,2-Dichloropropane	Ave	0.2794	0.2684		9.60	10.0	-3.9	30.0
Methyl methacrylate	Ave	0.2689	0.2722		10.1	10.0	1.2	30.0
1,4-Dioxane	Ave	0.1269	0.1272		10.0	10.0	0.3	30.0
Dibromomethane	Ave	0.3681	0.3651		9.92	10.0	-0.8	30.0
Bromodichloromethane	Ave	0.4795	0.4638		9.67	10.0	-3.3	30.0
cis-1,3-Dichloropropene	Ave	0.4179	0.4137		9.90	10.0	-1.0	30.0
methyl isobutyl ketone	Ave	0.5255	0.4765		9.07	10.0	-9.3	30.0
n-Octane	Ave	0.5987	0.5377		8.98	10.0	-10.2	30.0
Toluene	Ave	0.6436	0.6437		10.0	10.0	0.0	30.0
trans-1,3-Dichloropropene	Ave	0.4042	0.4005		9.91	10.0	-0.9	30.0
1,1,2-Trichloroethane	Ave	0.3054	0.3108		10.2	10.0	1.8	30.0
Tetrachloroethene	Ave	0.5874	0.5899		10.0	10.0	0.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5773	0.5310		9.20	10.0	-8.0	30.0
Dibromochloromethane	Ave	0.5803	0.5429		9.35	10.0	-6.4	30.0
1,2-Dibromoethane	Ave	0.5707	0.5825		10.2	10.0	2.1	30.0
Chlorobenzene	Ave	0.8989	0.9116		10.1	10.0	1.4	30.0
Ethylbenzene	Ave	1.389	1.381		9.94	10.0	-0.6	30.0
n-Nonane	Ave	0.6607	0.6338		9.59	10.0	-4.1	30.0
m,p-Xylene	Ave	0.5654	0.5651		20.0	20.0	-0.0	30.0
Xylene, o-	Ave	0.5646	0.5554		9.84	10.0	-1.6	30.0
Styrene	Ave	0.9157	0.9049		9.88	10.0	-1.2	30.0
Bromoform	Ave	0.4878	0.3946		8.09	10.0	-19.1	30.0
Cumene	Ave	1.636	1.593		9.74	10.0	-2.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8302	0.8338		10.0	10.0	0.4	30.0
n-Propylbenzene	Ave	1.941	1.903		9.80	10.0	-2.0	30.0
1,2,3-Trichloropropane	Ave	0.6165	0.6019		9.76	10.0	-2.4	30.0
n-Decane	Ave	0.8470	0.8323		9.82	10.0	-1.7	30.0
4-Ethyltoluene	Ave	1.642	1.676		10.2	10.0	2.1	30.0
2-Chlorotoluene	Ave	1.295	1.270		9.81	10.0	-1.9	30.0
1,3,5-Trimethylbenzene	Ave	1.344	1.335		9.93	10.0	-0.7	30.0
Alpha Methyl Styrene	Ave	0.7082	0.7318		10.3	10.0	3.3	30.0
tert-Butylbenzene	Ave	1.340	1.315		9.81	10.0	-1.9	30.0
1,2,4-Trimethylbenzene	Ave	1.363	1.353		9.92	10.0	-0.8	30.0
sec-Butylbenzene	Ave	2.017	1.984		9.83	10.0	-1.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31474-1
 SDG No.: _____
 Lab Sample ID: ICV 200-98466/15 Calibration Date: 12/16/2015 03:52
 Instrument ID: CHB.i Calib Start Date: 12/15/2015 19:10
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/16/2015 01:15
 Lab File ID: 17332_15.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	1.717	1.728		10.1	10.0	0.7	30.0
1,3-Dichlorobenzene	Ave	1.013	1.033		10.2	10.0	2.0	30.0
1,4-Dichlorobenzene	Ave	1.017	1.046		10.3	10.0	2.8	30.0
Benzyl chloride	Ave	1.063	0.9460		8.90	10.0	-11.0	30.0
n-Undecane	Ave	0.8619	0.8987		10.4	10.0	4.3	30.0
n-Butylbenzene	Ave	1.484	1.519		10.2	10.0	2.3	30.0
1,2-Dichlorobenzene	Ave	0.9624	0.9822		10.2	10.0	2.1	30.0
n-Dodecane	Ave	0.8296	0.8931		10.8	10.0	7.6	30.0
1,2,4-Trichlorobenzene	Ave	0.8088	0.7617		9.42	10.0	-5.8	30.0
Hexachlorobutadiene	Ave	0.7209	0.6416		8.90	10.0	-11.0	30.0
Naphthalene	Ave	1.690	1.548		9.16	10.0	-8.4	30.0
1,2,3-Trichlorobenzene	Ave	0.7529	0.7001		9.30	10.0	-7.0	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_15.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 16-Dec-2015 03:52:30 ALS Bottle#: 15 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017332-015
 Misc. Info.: icv
 Operator ID: pad Instrument ID: CHB.i
 Sublist:
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\TO15_LLNJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Dec-2015 10:54:44 Calib Date: 16-Dec-2015 01:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK015

First Level Reviewer: daiglep

Date: 16-Dec-2015 10:44:51

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	3.160	3.160	0.000	98	180686	10.0	9.28	
2 Dichlorodifluoromethane	85	3.218	3.219	-0.001	99	734717	10.0	9.78	
3 Chlorodifluoromethane	51	3.256	3.256	0.000	97	378908	10.0	9.38	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.437	3.443	-0.006	90	799717	10.0	10.8	
5 Chloromethane	50	3.571	3.576	-0.005	99	208469	10.0	9.05	
6 Butane	43	3.747	3.752	-0.005	98	347371	10.0	9.16	
7 Vinyl chloride	62	3.789	3.790	-0.001	98	285937	10.0	9.68	
8 Butadiene	54	3.853	3.859	-0.006	93	201227	10.0	9.31	
9 BFB									
10 Bromomethane	94	4.547	4.547	0.000	99	363988	10.0	10.2	
11 Chloroethane	64	4.782	4.788	-0.006	98	203554	10.0	9.90	
12 2-Methylbutane	43	4.857	4.857	0.000	91	378417	10.0	9.64	
13 Vinyl bromide	106	5.198	5.199	-0.001	100	396300	10.0	10.2	
14 Trichlorofluoromethane	101	5.294	5.295	-0.001	98	841891	10.0	9.93	
15 Pentane	43	5.428	5.433	-0.005	96	604057	10.0	10.3	
16 Ethanol	45	5.764	5.764	0.000	99	218384	15.0	15.0	
17 Ethyl ether	59	5.908	5.908	0.000	94	289401	10.0	11.0	
18 Acrolein	56	6.298	6.298	0.000	94	147970	10.0	13.1	
19 1,1,2-Trichloro-1,2,2-trif	101	6.330	6.335	-0.005	98	786463	10.0	10.3	
20 1,1-Dichloroethene	96	6.405	6.410	-0.005	94	390840	10.0	10.1	
21 Acetone	43	6.570	6.570	0.000	95	462089	10.0	9.61	
22 Isopropyl alcohol	45	6.773	6.778	-0.005	99	453315	10.0	9.26	
23 Carbon disulfide	76	6.837	6.842	-0.005	98	1189966	10.0	11.6	
24 3-Chloro-1-propene	41	7.114	7.120	-0.006	92	417883	10.0	9.12	
26 Acetonitrile	41	7.200	7.200	0.000	100	266335	10.0	10.3	
27 Methylene Chloride	49	7.381	7.381	0.000	88	382246	10.0	9.32	
28 2-Methyl-2-propanol	59	7.477	7.477	0.000	92	689252	10.0	9.95	
29 Methyl tert-butyl ether	73	7.712	7.712	0.000	97	1096524	10.0	9.88	
30 trans-1,2-Dichloroethene	61	7.781	7.787	-0.006	96	562301	10.0	10.5	
31 Acrylonitrile	53	7.872	7.878	-0.006	95	285664	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
32 Hexane	57	8.107	8.107	0.000	89	636878	10.0	10.3	
33 1,1-Dichloroethane	63	8.534	8.534	0.000	99	695780	10.0	9.74	
34 Vinyl acetate	43	8.539	8.539	0.000	99	899581	10.0	9.88	
36 2-Butanone (MEK)	72	9.431	9.431	0.000	97	215413	10.0	10.1	
35 Ethyl acetate	88	9.441	9.441	0.000	95	42540	10.0	11.0	
37 cis-1,2-Dichloroethene	96	9.441	9.441	0.000	92	444804	10.0	9.88	
* 39 Chlorobromomethane	128	9.809	9.810	-0.001	91	370076	10.0	10.0	
38 Tetrahydrofuran	42	9.809	9.810	-0.001	91	407038	10.0	9.79	
40 Chloroform	83	9.884	9.884	0.000	94	783031	10.0	9.85	
S 41 1,2-Dichloroethene, Total	61				0		20.0	20.3	
42 1,1,1-Trichloroethane	97	10.135	10.141	-0.006	95	763452	10.0	9.87	
43 Cyclohexane	84	10.146	10.146	0.000	94	619128	10.0	10.2	
44 Carbon tetrachloride	117	10.338	10.343	-0.005	97	805261	10.0	11.6	
45 Isooctane	57	10.615	10.621	-0.006	99	2023732	10.0	9.57	
46 Benzene	78	10.669	10.669	0.000	94	1347375	10.0	9.79	
47 1,2-Dichloroethane	62	10.775	10.776	-0.001	96	433547	10.0	9.71	
48 n-Heptane	43	10.866	10.866	0.000	88	688515	10.0	9.10	
A 49 GRO	1	10.936	(4.847-17.024)		0	155706795	10.0	0	
* 50 1,4-Difluorobenzene	114	11.213	11.213	0.000	93	1816057	10.0	10.0	
51 n-Butanol	56	11.384	11.384	0.000	83	264854	10.0	10.4	
53 Trichloroethene	95	11.576	11.582	-0.006	95	584072	10.0	9.93	
54 1,2-Dichloropropane	63	11.955	11.960	-0.005	95	487295	10.0	9.60	
55 Methyl methacrylate	69	11.987	11.987	0.000	97	494258	10.0	10.1	
56 1,4-Dioxane	88	12.078	12.078	0.000	90	231020	10.0	10.0	
57 Dibromomethane	174	12.147	12.147	0.000	91	662846	10.0	9.92	
58 Dichlorobromomethane	83	12.312	12.313	-0.001	97	842093	10.0	9.67	
A 59 TVOC as Toluene	1	12.580	(3.150-22.009)		0	272994248	10.0	0	
60 cis-1,3-Dichloropropene	75	12.937	12.942	-0.005	88	751232	10.0	9.90	
61 4-Methyl-2-pentanone (MIBK)	43	13.086	13.087	0.000	93	865181	10.0	9.07	
A 62 C8 Range	1	13.333	(13.293-13.373)		0	7747302	NC	NC	
63 n-Octane	43	13.343	13.343	-0.001	88	976246	10.0	8.98	
64 Toluene	92	13.369	13.369	0.000	93	1030775	10.0	10.0	
A 65 Toluene Range	1	13.384	(13.359-13.409)		0	7747302	NC	NC	
66 trans-1,3-Dichloropropene	75	13.732	13.738	-0.006	94	727100	10.0	9.91	
67 1,1,2-Trichloroethane	83	14.010	14.010	0.000	93	497719	10.0	10.2	
68 Tetrachloroethene	166	14.138	14.138	0.000	95	944683	10.0	10.0	
69 2-Hexanone	43	14.260	14.261	-0.001	98	850254	10.0	9.20	
70 Chlorodibromomethane	129	14.554	14.554	0.000	98	869442	10.0	9.35	
71 Ethylene Dibromide	107	14.757	14.762	-0.005	99	932823	10.0	10.2	
* 72 Chlorobenzene-d5	117	15.312	15.312	0.000	82	1601659	10.0	10.0	
73 Chlorobenzene	112	15.349	15.349	0.000	98	1459707	10.0	10.1	
74 Ethylbenzene	91	15.413	15.419	-0.006	97	2211537	10.0	9.94	
75 n-Nonane	57	15.424	15.429	-0.005	89	1014972	10.0	9.59	
76 m-Xylene & p-Xylene	106	15.563	15.563	0.000	0	1809955	20.0	20.0	
S 77 Xylenes, Total	106				0		30.0	29.8	
78 o-Xylene	106	16.070	16.070	0.000	99	889431	10.0	9.84	
79 Styrene	104	16.096	16.097	-0.001	96	1449109	10.0	9.88	
80 Bromoform	173	16.390	16.390	0.000	100	631914	10.0	8.09	
81 Isopropylbenzene	105	16.481	16.481	0.000	94	2551508	10.0	9.74	
* 82 4-Bromofluorobenzene	95	16.742	16.742	0.000	98	1086790	10.0	10.0	
83 1,1,1,2,2-Tetrachloroethane	83	16.892	16.892	0.000	97	1335225	10.0	10.0	
84 N-Propylbenzene	91	16.956	16.956	0.000	100	3047959	10.0	9.80	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 1,2,3-Trichloropropane	75	16.977	16.977	0.000	97	963840	10.0	9.76	
86 n-Decane	57	17.014	17.014	0.000	90	1332785	10.0	9.82	
87 4-Ethyltoluene	105	17.078	17.079	-0.001	98	2683645	10.0	10.2	
88 2-Chlorotoluene	91	17.126	17.127	-0.001	96	2034457	10.0	9.81	
89 1,3,5-Trimethylbenzene	105	17.148	17.148	0.000	94	2137577	10.0	9.93	
90 Alpha Methyl Styrene	118	17.420	17.425	-0.005	91	1171816	10.0	10.3	
91 tert-Butylbenzene	119	17.527	17.527	0.000	97	2105548	10.0	9.81	
92 1,2,4-Trimethylbenzene	105	17.596	17.596	0.000	96	2165946	10.0	9.92	
93 sec-Butylbenzene	105	17.783	17.783	0.000	99	3176544	10.0	9.83	
94 4-Isopropyltoluene	119	17.938	17.938	0.000	98	2767746	10.0	10.1	
95 1,3-Dichlorobenzene	146	18.018	18.023	-0.005	95	1654925	10.0	10.2	
96 1,4-Dichlorobenzene	146	18.135	18.135	0.000	97	1674790	10.0	10.3	
97 Benzyl chloride	91	18.290	18.290	0.000	100	1514880	10.0	8.90	
98 Undecane	57	18.407	18.407	0.000	93	1439127	10.0	10.4	
99 n-Butylbenzene	91	18.450	18.450	0.000	98	2431824	10.0	10.2	
100 1,2-Dichlorobenzene	146	18.626	18.626	0.000	99	1572793	10.0	10.2	
102 Dodecane	57	19.880	19.880	0.000	97	1430088	10.0	10.8	
103 1,2,4-Trichlorobenzene	180	21.022	21.023	0.000	94	1219727	10.0	9.42	
104 Hexachlorobutadiene	225	21.182	21.183	-0.001	96	1027448	10.0	8.90	
105 Naphthalene	128	21.519	21.519	0.000	100	2478367	10.0	9.16	
106 1,2,3-Trichlorobenzene	180	21.999	21.999	0.000	95	1121142	10.0	9.30	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00551

Amount Added: 200.00

Units: mL

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_15.D

Injection Date: 16-Dec-2015 03:52:30

Instrument ID: CHB.i

Operator ID: pad

Lims ID: icv

Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

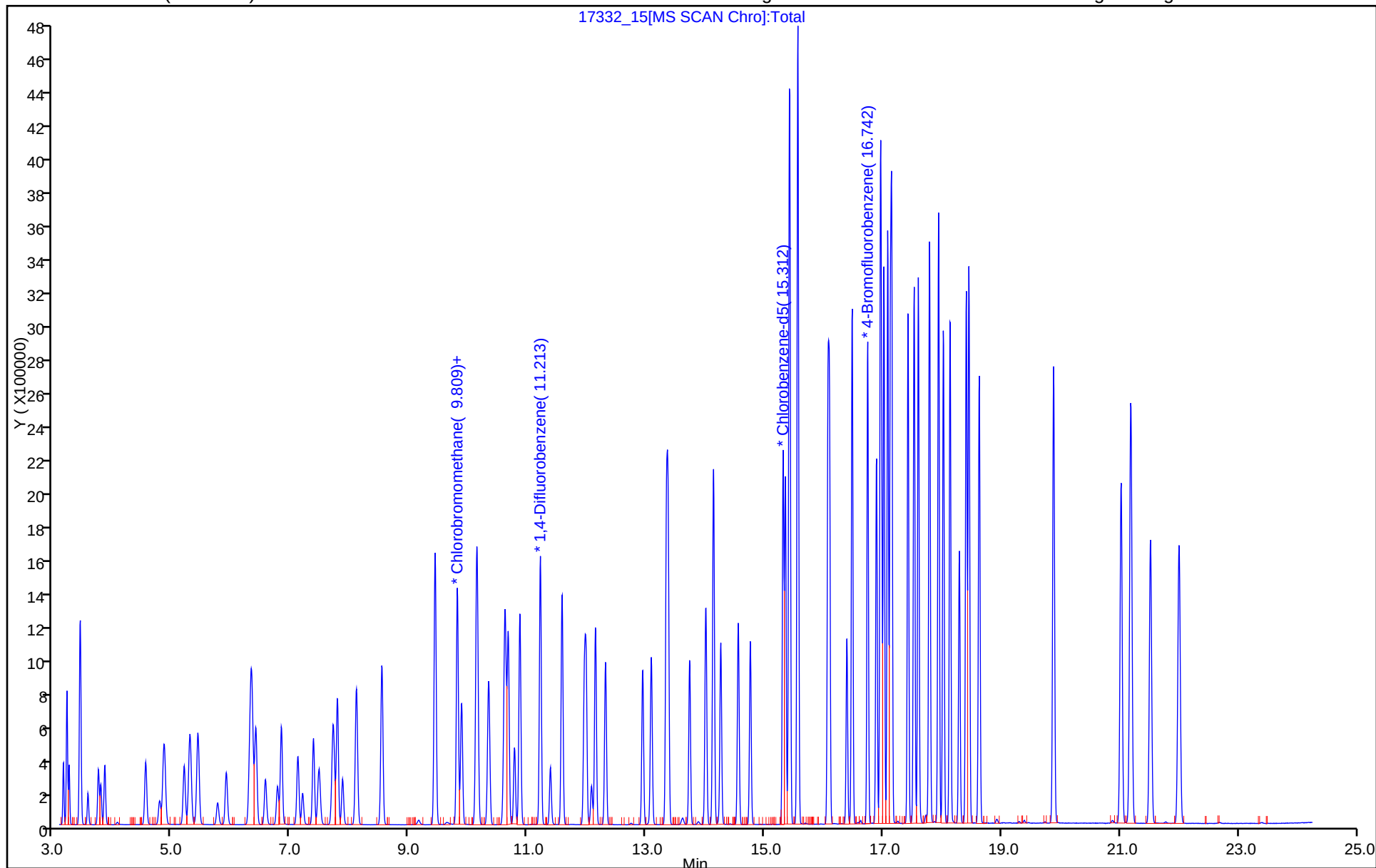
ALS Bottle#: 15

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31474-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-99454/3 Calibration Date: 01/13/2016 11:32
 Instrument ID: CHB.i Calib Start Date: 12/15/2015 19:10
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/16/2015 01:15
 Lab File ID: 17741_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.5260	0.5810		11.0	10.0	10.4	30.0
Dichlorodifluoromethane	Ave	2.029	2.143		10.6	10.0	5.6	30.0
Freon 22	Ave	1.092	1.153		10.6	10.0	5.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.997	2.160		10.8	10.0	8.1	30.0
Chloromethane	Ave	0.6227	0.6639		10.7	10.0	6.6	30.0
n-Butane	Ave	1.025	1.094		10.7	10.0	6.7	30.0
Vinyl chloride	Ave	0.7981	0.8919		11.2	10.0	11.8	30.0
1,3-Butadiene	Ave	0.5842	0.6424		11.0	10.0	10.0	30.0
Bromomethane	Ave	0.9629	1.027		10.7	10.0	6.6	30.0
Chloroethane	Ave	0.5557	0.5914		10.6	10.0	6.4	30.0
Isopentane	Ave	1.060	1.012		9.54	10.0	-4.5	30.0
Bromoethene (Vinyl Bromide)	Ave	1.055	1.087		10.3	10.0	3.1	30.0
Trichlorofluoromethane	Ave	2.292	2.298		10.0	10.0	0.2	30.0
n-Pentane	Ave	1.592	1.567		9.84	10.0	-1.6	30.0
Ethanol	Ave	0.3947	0.3506		13.3	15.0	-11.2	30.0
Ethyl ether	Ave	0.7121	0.7073		9.93	10.0	-0.7	30.0
Acrolein	Ave	0.3042	0.2541		8.35	10.0	-16.5	30.0
Freon TF	Ave	2.070	2.047		9.89	10.0	-1.1	30.0
1,1-Dichloroethene	Ave	1.051	1.032		9.82	10.0	-1.8	30.0
Acetone	Ave	1.299	1.348		10.4	10.0	3.8	30.0
Isopropyl alcohol	Ave	1.322	1.491		11.3	10.0	12.7	30.0
Carbon disulfide	Ave	2.762	2.780		10.1	10.0	0.7	30.0
3-Chloropropene	Ave	1.238	1.084		8.76	10.0	-12.4	30.0
Acetonitrile	Ave	0.6970	0.7016		10.1	10.0	0.6	30.0
Methylene Chloride	Ave	1.108	1.043		9.42	10.0	-5.8	30.0
tert-Butyl alcohol	Ave	1.872	2.106		11.2	10.0	12.5	30.0
Methyl tert-butyl ether	Ave	2.998	2.903		9.68	10.0	-3.2	30.0
trans-1,2-Dichloroethene	Ave	1.454	1.410		9.70	10.0	-3.0	30.0
Acrylonitrile	Ave	0.7595	0.7327		9.65	10.0	-3.5	30.0
n-Hexane	Ave	1.674	1.592		9.51	10.0	-4.9	30.0
1,1-Dichloroethane	Ave	1.930	1.851		9.59	10.0	-4.1	30.0
Vinyl acetate	Ave	2.459	2.376		9.66	10.0	-3.4	30.0
Methyl Ethyl Ketone	Ave	0.5777	0.5915		10.2	10.0	2.4	30.0
Ethyl acetate	Ave	0.1044	0.1062		10.2	10.0	1.7	30.0
cis-1,2-Dichloroethene	Ave	1.216	1.205		9.91	10.0	-0.9	30.0
Tetrahydrofuran	Ave	0.2289	0.2259		9.86	10.0	-1.3	30.0
Chloroform	Ave	2.149	2.060		9.58	10.0	-4.1	30.0
1,1,1-Trichloroethane	Ave	0.4258	0.4069		9.56	10.0	-4.4	30.0
Cyclohexane	Ave	0.3358	0.3289		9.79	10.0	-2.1	30.0
Carbon tetrachloride	Ave	0.3833	0.3707		9.67	10.0	-3.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31474-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-99454/3 Calibration Date: 01/13/2016 11:32
 Instrument ID: CHB.i Calib Start Date: 12/15/2015 19:10
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/16/2015 01:15
 Lab File ID: 17741_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.164	1.124		9.65	10.0	-3.4	30.0
Benzene	Ave	0.7578	0.7286		9.61	10.0	-3.9	30.0
1,2-Dichloroethane	Ave	0.2460	0.2331		9.47	10.0	-5.2	30.0
n-Heptane	Ave	0.4165	0.3764		9.04	10.0	-9.6	30.0
n-Butanol	Ave	0.1407	0.1563		11.1	10.0	11.1	30.0
Trichloroethene	Ave	0.3240	0.3096		9.55	10.0	-4.5	30.0
1,2-Dichloropropane	Ave	0.2794	0.2699		9.66	10.0	-3.4	30.0
Methyl methacrylate	Ave	0.2689	0.2616		9.73	10.0	-2.7	30.0
1,4-Dioxane	Ave	0.1269	0.1501		11.8	10.0	18.3	30.0
Dibromomethane	Ave	0.3681	0.3556		9.66	10.0	-3.4	30.0
Bromodichloromethane	Ave	0.4795	0.4551		9.49	10.0	-5.1	30.0
cis-1,3-Dichloropropene	Ave	0.4179	0.4024		9.63	10.0	-3.7	30.0
methyl isobutyl ketone	Ave	0.5255	0.4947		9.41	10.0	-5.9	30.0
n-Octane	Ave	0.5987	0.5352		8.94	10.0	-10.6	30.0
Toluene	Ave	0.6436	0.6269		9.74	10.0	-2.6	30.0
trans-1,3-Dichloropropene	Ave	0.4042	0.3827		9.47	10.0	-5.3	30.0
1,1,2-Trichloroethane	Ave	0.3054	0.3019		9.89	10.0	-1.1	30.0
Tetrachloroethene	Ave	0.5874	0.5455		9.29	10.0	-7.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5773	0.5526		9.57	10.0	-4.3	30.0
Dibromochloromethane	Ave	0.5803	0.5118		8.82	10.0	-11.8	30.0
1,2-Dibromoethane	Ave	0.5707	0.5594		9.80	10.0	-2.0	30.0
Chlorobenzene	Ave	0.8989	0.8710		9.69	10.0	-3.1	30.0
Ethylbenzene	Ave	1.389	1.367		9.84	10.0	-1.6	30.0
n-Nonane	Ave	0.6607	0.6400		9.68	10.0	-3.1	30.0
m,p-Xylene	Ave	0.5654	0.5535		19.6	20.0	-2.1	30.0
Xylene, o-	Ave	0.5646	0.5446		9.64	10.0	-3.6	30.0
Styrene	Ave	0.9157	0.8759		9.56	10.0	-4.3	30.0
Bromoform	Ave	0.4878	0.3551		7.28	10.0	-27.2	30.0
Cumene	Ave	1.636	1.571		9.60	10.0	-4.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8302	0.8238		9.92	10.0	-0.8	30.0
n-Propylbenzene	Ave	1.941	1.920		9.89	10.0	-1.1	30.0
1,2,3-Trichloropropane	Ave	0.6165	0.6101		9.90	10.0	-1.0	30.0
n-Decane	Ave	0.8470	0.8390		9.90	10.0	-0.9	30.0
4-Ethyltoluene	Ave	1.642	1.591		9.69	10.0	-3.1	30.0
2-Chlorotoluene	Ave	1.295	1.270		9.80	10.0	-2.0	30.0
1,3,5-Trimethylbenzene	Ave	1.344	1.303		9.69	10.0	-3.0	30.0
Alpha Methyl Styrene	Ave	0.7082	0.6635		9.37	10.0	-6.3	30.0
tert-Butylbenzene	Ave	1.340	1.268		9.46	10.0	-5.4	30.0
1,2,4-Trimethylbenzene	Ave	1.363	1.312		9.62	10.0	-3.8	30.0
sec-Butylbenzene	Ave	2.017	1.962		9.73	10.0	-2.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31474-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-99454/3 Calibration Date: 01/13/2016 11:32
 Instrument ID: CHB.i Calib Start Date: 12/15/2015 19:10
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/16/2015 01:15
 Lab File ID: 17741_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.717	1.670		9.73	10.0	-2.7	30.0
1,3-Dichlorobenzene	Ave	1.013	0.9649		9.52	10.0	-4.8	30.0
1,4-Dichlorobenzene	Ave	1.017	0.9686		9.52	10.0	-4.8	30.0
Benzyl chloride	Ave	1.063	0.9503		8.94	10.0	-10.6	30.0
n-Undecane	Ave	0.8619	0.8510		9.87	10.0	-1.3	30.0
n-Butylbenzene	Ave	1.484	1.512		10.2	10.0	1.8	30.0
1,2-Dichlorobenzene	Ave	0.9624	0.9147		9.50	10.0	-5.0	30.0
n-Dodecane	Ave	0.8296	0.8333		10.0	10.0	0.4	30.0
1,2,4-Trichlorobenzene	Ave	0.8088	0.6650		8.22	10.0	-17.8	30.0
Hexachlorobutadiene	Ave	0.7209	0.5871		8.14	10.0	-18.6	30.0
Naphthalene	Ave	1.690	1.416		8.37	10.0	-16.2	30.0
1,2,3-Trichlorobenzene	Ave	0.7529	0.6522		8.66	10.0	-13.4	30.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_03.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 13-Jan-2016 11:32:30 ALS Bottle#: 5 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017741-003
 Misc. Info.: ccvis
 Operator ID: pad Instrument ID: CHB.i
 Sublist: chrom-TO15_LLNJ_TO3*sub5
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\TO15_LLNJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 14-Jan-2016 11:43:50 Calib Date: 16-Dec-2015 01:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK035

First Level Reviewer: daiglep

Date: 14-Jan-2016 09:39:52

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	3.160	3.160	0.000	98	255738	10.0	11.0	
2 Dichlorodifluoromethane	85	3.219	3.219	0.000	99	943550	10.0	10.6	
3 Chlorodifluoromethane	51	3.256	3.256	0.000	97	507585	10.0	10.6	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.443	3.443	0.000	88	950724	10.0	10.8	
5 Chloromethane	50	3.571	3.571	0.000	99	292235	10.0	10.7	
6 Butane	43	3.752	3.752	0.000	99	481528	10.0	10.7	
7 Vinyl chloride	62	3.790	3.790	0.000	98	392628	10.0	11.2	
8 Butadiene	54	3.859	3.859	0.000	93	282789	10.0	11.0	
9 BFB									
10 Bromomethane	94	4.548	4.548	0.000	100	451875	10.0	10.7	
11 Chloroethane	64	4.782	4.782	0.000	99	260314	10.0	10.6	
12 2-Methylbutane	43	4.857	4.857	0.000	94	445479	10.0	9.54	
13 Vinyl bromide	106	5.199	5.199	0.000	100	478519	10.0	10.3	
14 Trichlorofluoromethane	101	5.295	5.295	0.000	98	1011361	10.0	10.0	
15 Pentane	43	5.433	5.433	0.000	96	689866	10.0	9.84	
16 Ethanol	45	5.764	5.764	0.000	99	231575	15.0	13.3	
17 Ethyl ether	59	5.908	5.908	0.000	95	311341	10.0	9.93	
18 Acrolein	56	6.293	6.293	0.000	93	111871	10.0	8.35	
19 1,1,2-Trichloro-1,2,2-trif	101	6.330	6.330	0.000	99	901176	10.0	9.89	
20 1,1-Dichloroethene	96	6.405	6.405	0.000	95	454124	10.0	9.82	
21 Acetone	43	6.565	6.565	0.000	95	593395	10.0	10.4	
22 Isopropyl alcohol	45	6.773	6.773	0.000	99	656333	10.0	11.3	
23 Carbon disulfide	76	6.837	6.837	0.000	98	1223836	10.0	10.1	
24 3-Chloro-1-propene	41	7.115	7.115	0.000	92	477388	10.0	8.76	
26 Acetonitrile	41	7.195	7.195	0.000	99	308827	10.0	10.1	
27 Methylene Chloride	49	7.376	7.376	0.000	89	459266	10.0	9.42	
28 2-Methyl-2-propanol	59	7.472	7.472	0.000	92	926943	10.0	11.2	
29 Methyl tert-butyl ether	73	7.712	7.712	0.000	97	1277858	10.0	9.68	
30 trans-1,2-Dichloroethene	61	7.782	7.782	0.000	96	620676	10.0	9.70	
31 Acrylonitrile	53	7.872	7.872	0.000	96	322536	10.0	9.65	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 Hexane	57	8.107	8.107	0.000	88	700718	10.0	9.51	
33 1,1-Dichloroethane	63	8.529	8.529	0.000	99	814618	10.0	9.59	
34 Vinyl acetate	43	8.534	8.534	0.000	99	1045869	10.0	9.66	
36 2-Butanone (MEK)	72	9.425	9.425	0.000	97	260360	10.0	10.2	
35 Ethyl acetate	88	9.431	9.431	0.000	94	46739	10.0	10.2	
37 cis-1,2-Dichloroethene	96	9.436	9.436	0.000	94	530479	10.0	9.91	
* 39 Chlorobromomethane	128	9.804	9.804	0.000	92	440286	10.0	10.0	
38 Tetrahydrofuran	42	9.810	9.810	0.000	91	485793	10.0	9.86	
40 Chloroform	83	9.879	9.879	0.000	94	906599	10.0	9.58	
S 41 1,2-Dichloroethene, Total	61				0		20.0	19.6	
42 1,1,1-Trichloroethane	97	10.135	10.135	0.000	95	875309	10.0	9.56	
43 Cyclohexane	84	10.141	10.141	0.000	94	707372	10.0	9.79	
44 Carbon tetrachloride	117	10.333	10.333	0.000	97	797334	10.0	9.67	
45 Isooctane	57	10.616	10.616	0.000	99	2417488	10.0	9.65	
46 Benzene	78	10.669	10.669	0.000	94	1567282	10.0	9.61	
47 1,2-Dichloroethane	62	10.770	10.770	0.000	96	501368	10.0	9.47	
48 n-Heptane	43	10.866	10.866	0.000	88	809685	10.0	9.04	
A 49 GRO	1	11.224	(4.847-17.025)		0	181738973	10.0	0	
* 50 1,4-Difluorobenzene	114	11.208	11.208	0.000	93	2151401	10.0	10.0	
51 n-Butanol	56	11.379	11.379	0.000	82	336193	10.0	11.1	
53 Trichloroethene	95	11.576	11.576	0.000	96	665868	10.0	9.55	
54 1,2-Dichloropropane	63	11.955	11.955	0.000	95	580529	10.0	9.66	
55 Methyl methacrylate	69	11.982	11.982	0.000	99	562678	10.0	9.73	
56 1,4-Dioxane	88	12.073	12.073	0.000	91	322860	10.0	11.8	
57 Dibromomethane	174	12.142	12.142	0.000	93	764901	10.0	9.66	
58 Dichlorobromomethane	83	12.307	12.307	0.000	97	978975	10.0	9.49	
A 59 TVOC as Toluene	1	12.876	(3.150-22.009)		0	314607676	10.0	0	
60 cis-1,3-Dichloropropene	75	12.937	12.937	0.000	88	865505	10.0	9.63	
61 4-Methyl-2-pentanone (MIBK)	43	13.081	13.081	0.000	93	1064184	10.0	9.41	
A 62 C8 Range	1	13.327	(13.287-13.367)		0	9008070	NC	NC	
63 n-Octane	43	13.337	13.337	0.000	88	1151211	10.0	8.94	
64 Toluene	92	13.364	13.364	0.000	93	1188860	10.0	9.74	
A 65 Toluene Range	1	13.379	(13.354-13.404)		0	9008070	NC	NC	
66 trans-1,3-Dichloropropene	75	13.732	13.732	0.000	94	823188	10.0	9.47	
67 1,1,2-Trichloroethane	83	14.005	14.005	0.000	93	572551	10.0	9.89	
68 Tetrachloroethene	166	14.133	14.133	0.000	96	1034415	10.0	9.29	
69 2-Hexanone	43	14.255	14.255	0.000	98	1047947	10.0	9.57	
70 Chlorodibromomethane	129	14.554	14.554	0.000	98	970581	10.0	8.82	
71 Ethylene Dibromide	107	14.757	14.757	0.000	98	1060796	10.0	9.80	
* 72 Chlorobenzene-d5	117	15.312	15.312	0.000	83	1896649	10.0	10.0	
73 Chlorobenzene	112	15.349	15.349	0.000	97	1651619	10.0	9.69	
74 Ethylbenzene	91	15.413	15.413	0.000	97	2592506	10.0	9.84	
75 n-Nonane	57	15.424	15.424	0.000	89	1213549	10.0	9.68	
76 m-Xylene & p-Xylene	106	15.558	15.558	0.000	0	2099137	20.0	19.6	
S 77 Xylenes, Total	106				0		30.0	29.2	
78 o-Xylene	106	16.070	16.070	0.000	99	1032625	10.0	9.64	
79 Styrene	104	16.091	16.091	0.000	97	1660991	10.0	9.56	
80 Bromoform	173	16.385	16.385	0.000	99	673404	10.0	7.28	
81 Isopropylbenzene	105	16.476	16.476	0.000	95	2978834	10.0	9.60	
* 82 4-Bromofluorobenzene	95	16.737	16.737	0.000	97	1284998	10.0	10.0	
83 1,1,1,2,2-Tetrachloroethane	83	16.886	16.886	0.000	97	1562121	10.0	9.92	
84 N-Propylbenzene	91	16.956	16.956	0.000	100	3640940	10.0	9.89	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 1,2,3-Trichloropropane	75	16.972	16.972	0.000	97	1157005	10.0	9.90	
86 n-Decane	57	17.015	17.015	0.000	90	1591026	10.0	9.90	
87 4-Ethyltoluene	105	17.079	17.079	0.000	99	3016811	10.0	9.69	
88 2-Chlorotoluene	91	17.121	17.121	0.000	97	2407354	10.0	9.80	
89 1,3,5-Trimethylbenzene	105	17.143	17.143	0.000	94	2470875	10.0	9.69	
90 Alpha Methyl Styrene	118	17.420	17.420	0.000	90	1258082	10.0	9.37	
91 tert-Butylbenzene	119	17.522	17.522	0.000	96	2404383	10.0	9.46	
92 1,2,4-Trimethylbenzene	105	17.596	17.596	0.000	96	2487750	10.0	9.62	
93 sec-Butylbenzene	105	17.783	17.783	0.000	99	3721099	10.0	9.73	
94 4-Isopropyltoluene	119	17.938	17.938	0.000	98	3167563	10.0	9.73	
95 1,3-Dichlorobenzene	146	18.018	18.018	0.000	95	1829737	10.0	9.52	
96 1,4-Dichlorobenzene	146	18.130	18.130	0.000	97	1836732	10.0	9.52	
97 Benzyl chloride	91	18.285	18.285	0.000	100	1802120	10.0	8.94	
98 Undecane	57	18.402	18.402	0.000	94	1613644	10.0	9.87	
99 n-Butylbenzene	91	18.450	18.450	0.000	98	2866303	10.0	10.2	
100 1,2-Dichlorobenzene	146	18.621	18.621	0.000	98	1734545	10.0	9.50	
102 Dodecane	57	19.875	19.875	0.000	97	1580249	10.0	10.0	
103 1,2,4-Trichlorobenzene	180	21.017	21.017	0.000	94	1260992	10.0	8.22	
104 Hexachlorobutadiene	225	21.183	21.183	0.000	96	1113350	10.0	8.14	
105 Naphthalene	128	21.514	21.514	0.000	100	2684331	10.0	8.37	
106 1,2,3-Trichlorobenzene	180	21.999	21.999	0.000	93	1236719	10.0	8.66	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15CAL4w_00526

Amount Added: 200.00

Units: mL

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 14-Jan-2016 11:43:51

Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_03.D

Injection Date: 13-Jan-2016 11:32:30

Instrument ID: CHB.i

Operator ID: pad

Lims ID: ccvis

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

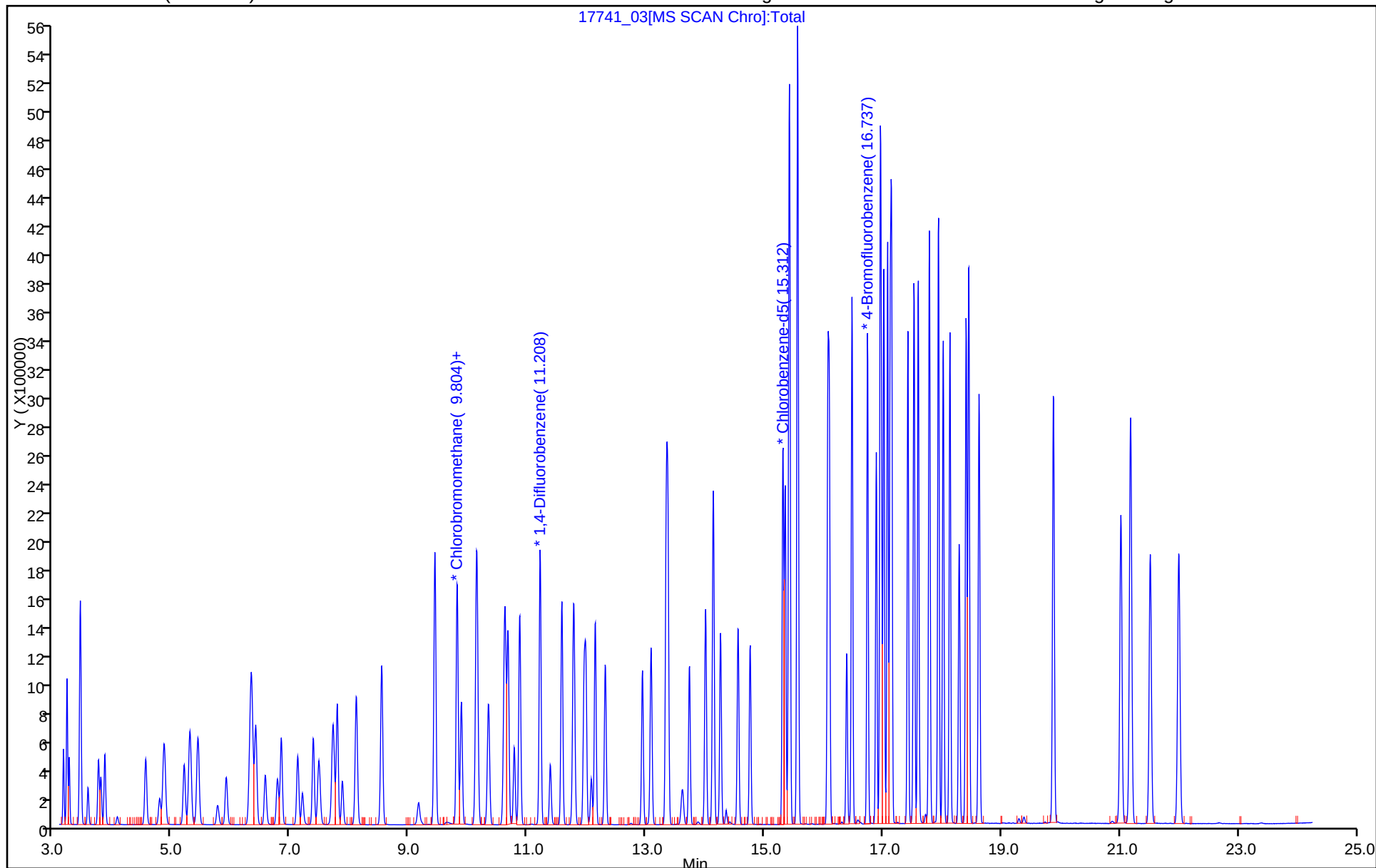
ALS Bottle#: 5

Method: TO15_LL NJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 15-Dec-2015 15:39:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 0.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0017332-001
 Misc. Info.: bfb
 Operator ID: pad Instrument ID: CHB.i
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\TO15_LL NJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Dec-2015 10:54:18 Calib Date: 16-Dec-2015 01:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK015

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									
* 39 Chlorobromomethane	128	8.632	8.632	0.000	1	81	10.0	10.0	s
* 50 1,4-Difluorobenzene	114		11.213				10.0	ND	
* 72 Chlorobenzene-d5	117		15.312				10.0	ND	
* 82 4-Bromofluorobenzene	95		16.742				10.0	ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

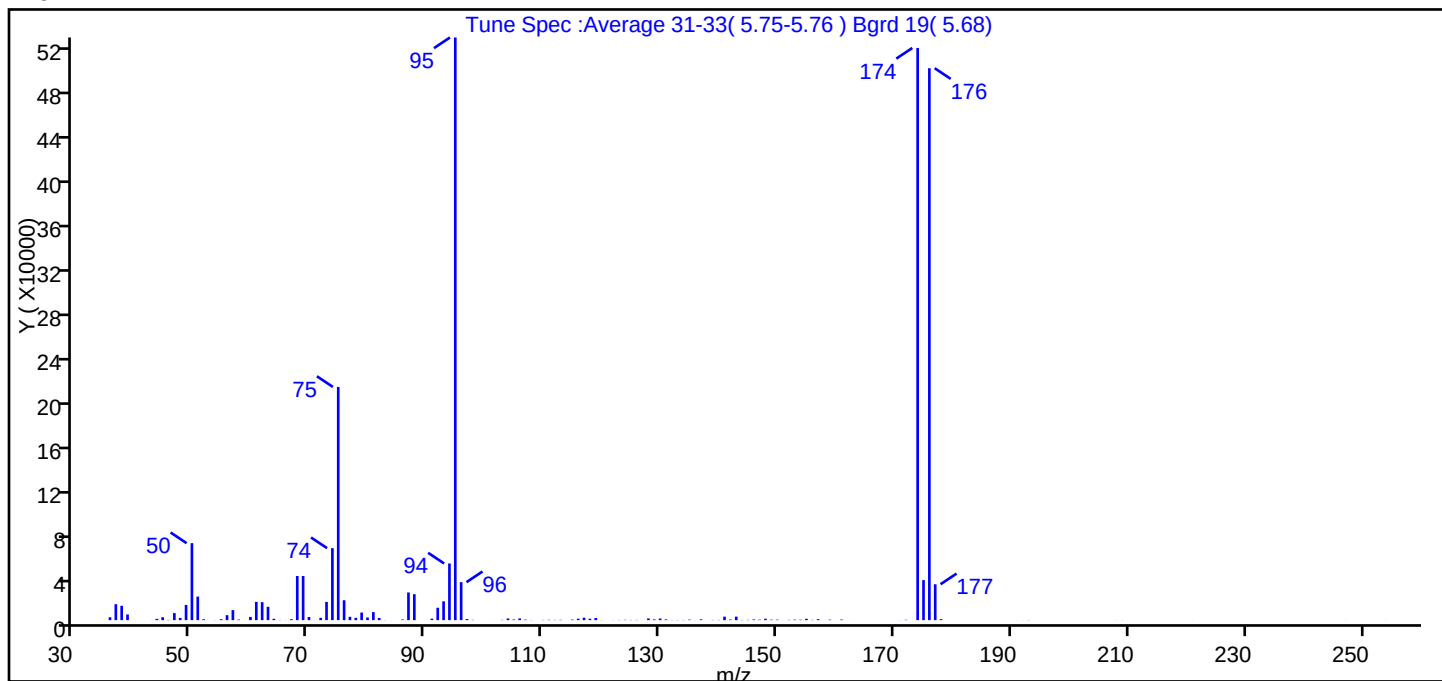
Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_01.D
Injection Date: 15-Dec-2015 15:39:30 Instrument ID: CHB.i
Lims ID: bfb
Client ID:
Operator ID: pad ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Method: TO15_LLJNJ_TO3 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	13.2
75	30.0 to 66.0 Percent of m/e 95	40.0
96	5.0 to 9.0 Percent of m/e 95	6.5
173	Less than 2.0 Percent of m/e 174	0.0 (0.0)
174	50.0 to 120.0 Percent of m/e 95	98.2
175	4.0 to 9.0 Percent of m/e 174	6.9 (7.0)
176	93.0 to 101.0 Percent of m/e 174	94.7 (96.5)
177	5.0 to 9.0 Percent of m/e 176	6.2 (6.5)

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_01.D\TO15_LLNJ_TO3.rslt\spectra.d
Injection Date: 15-Dec-2015 15:39:30
Spectrum: Tune Spec :Average 31-33(5.75-5.76) Bgrd 19(5.68)
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	2606	72.00	2057	110.00	195	146.00	626
37.00	14315	73.00	16339	111.00	339	147.00	427
38.00	12858	74.00	64600	112.00	219	148.00	1268
39.00	5058	75.00	209280	113.00	317	149.00	427
43.00	55	76.00	17880	115.00	481	150.00	433
44.00	1168	77.00	2991	116.00	1302	151.00	34
45.00	2620	78.00	2129	117.00	2175	152.00	264
46.00	228	79.00	6818	118.00	1256	153.00	437
47.00	6341	80.00	2386	119.00	1932	154.00	375
48.00	1976	81.00	7206	120.00	85	155.00	1215
49.00	13636	82.00	1910	122.00	81	156.00	220
50.00	69096	83.00	115	123.00	169	157.00	881
51.00	21160	84.00	42	124.00	280	159.00	439
52.00	806	86.00	588	125.00	194	161.00	564
53.00	23	87.00	24816	126.00	200	163.00	33
54.00	95	88.00	23296	128.00	1514	171.00	76
55.00	846	91.00	1305	129.00	678	172.00	330
56.00	4446	92.00	11127	130.00	1447	174.00	513472
57.00	9002	93.00	16920	131.00	685	175.00	35928
58.00	538	94.00	50856	132.00	126	176.00	495296
60.00	2893	95.00	522880	133.00	136	177.00	32216
61.00	16400	96.00	34072	134.00	141	178.00	916
62.00	16140	97.00	996	135.00	462	191.00	37
63.00	11997	98.00	253	136.00	51	192.00	41
64.00	1217	99.00	34	137.00	727	193.00	132
65.00	176	101.00	34	139.00	184	208.00	58
66.00	77	103.00	241	140.00	191	209.00	66
67.00	862	104.00	1507	141.00	3134	221.00	33
68.00	39592	105.00	587	142.00	539	247.00	34
69.00	39616	106.00	1534	143.00	3147	254.00	34
70.00	2822	107.00	466	144.00	167		
71.00	69	108.00	101	145.00	253		

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 13-Jan-2016 09:50:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 0.0 mL Dil. Factor: 1.0000
 Sample Info: 200-0017741-001
 Misc. Info.: bfb
 Operator ID: pad Instrument ID: CHB.i
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\TO15_LL NJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 14-Jan-2016 11:43:45 Calib Date: 16-Dec-2015 01:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK035

First Level Reviewer: daiglep

Date: 13-Jan-2016 10:03:54

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									
* 39 Chlorobromomethane	128	8.723	8.723	0.000	1	42	10.0	10.0	s
* 50 1,4-Difluorobenzene	114		11.208				10.0	ND	
* 72 Chlorobenzene-d5	117		15.312				10.0	ND	
* 82 4-Bromofluorobenzene	95		16.737				10.0	ND	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

ATTO15BISs_00006

Amount Added: 20.00

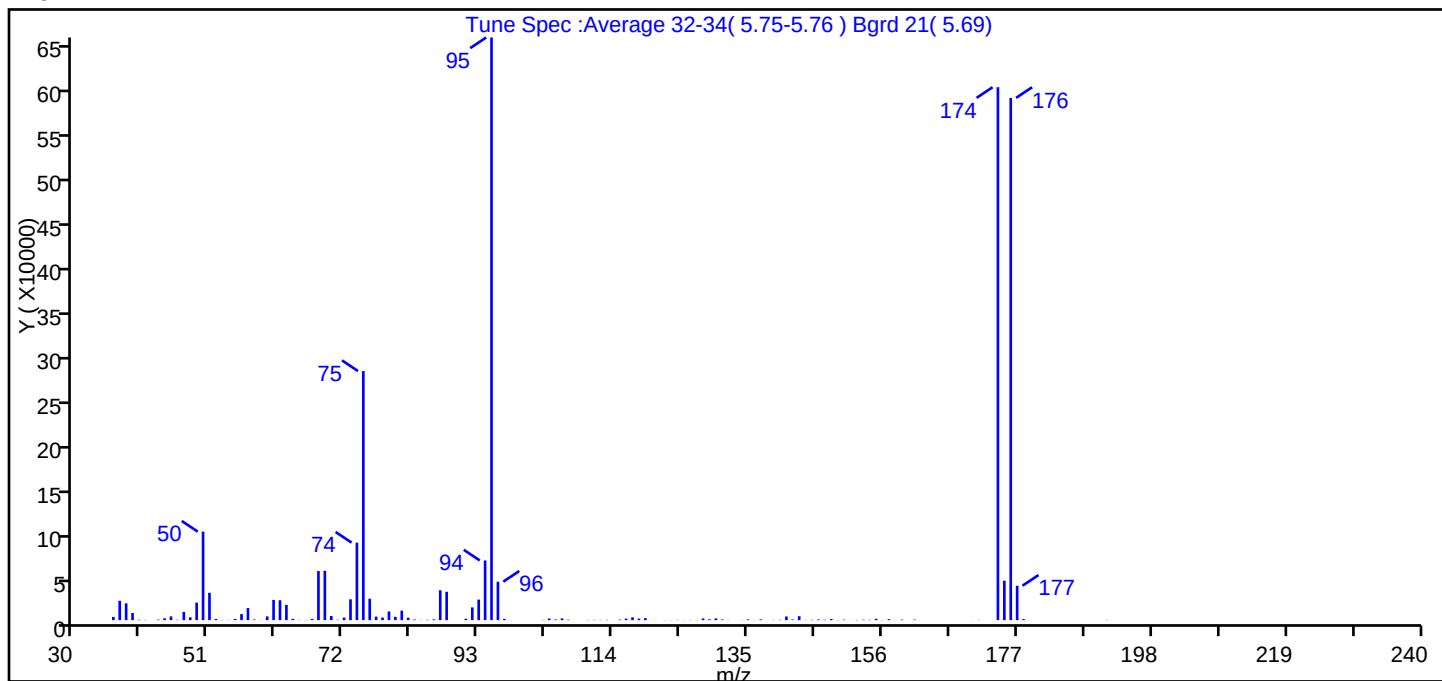
Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_01.D
Injection Date: 13-Jan-2016 09:50:30 Instrument ID: CHB.i
Lims ID: bfb
Client ID:
Operator ID: pad ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.0 mL Dil. Factor: 1.0000
Method: TO15_LLJN_TO3 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	15.2
75	30.0 to 66.0 Percent of m/e 95	42.7
96	5.0 to 9.0 Percent of m/e 95	6.6
173	Less than 2.0 Percent of m/e 174	0.0 (0.0)
174	50.0 to 120.0 Percent of m/e 95	91.5
175	4.0 to 9.0 Percent of m/e 174	6.8 (7.4)
176	93.0 to 101.0 Percent of m/e 174	89.6 (98.0)
177	5.0 to 9.0 Percent of m/e 176	5.9 (6.6)

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_01.D\TO15_LLNJ_TO3.rslt\spectra.d
Injection Date: 13-Jan-2016 09:50:30
Spectrum: Tune Spec :Average 32-34(5.75-5.76) Bgrd 21(5.69)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 130

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3598	69.00	55456	107.00	506	146.00	797
37.00	21800	70.00	4675	110.00	224	147.00	445
38.00	18888	71.00	401	111.00	348	148.00	1360
39.00	8014	72.00	2936	112.00	314	149.00	203
40.00	493	73.00	23424	113.00	359	150.00	499
41.00	226	74.00	87208	115.00	629	151.00	76
42.00	36	75.00	280192	116.00	1733	152.00	281
43.00	638	76.00	24120	117.00	3170	153.00	502
44.00	2073	77.00	3976	118.00	1709	154.00	400
45.00	4229	78.00	2864	119.00	2240	155.00	1501
46.00	338	79.00	9787	120.00	91	156.00	211
47.00	9298	80.00	3724	122.00	141	157.00	1089
48.00	3200	81.00	10695	123.00	161	158.00	145
49.00	19728	82.00	2763	124.00	293	159.00	575
50.00	99568	83.00	677	125.00	175	161.00	595
51.00	30736	84.00	174	126.00	209	169.00	53
52.00	1261	85.00	393	127.00	171	170.00	90
53.00	228	86.00	884	128.00	1907	171.00	236
54.00	186	87.00	33568	129.00	953	174.00	599488
55.00	1341	88.00	31904	130.00	1955	175.00	44312
56.00	6841	91.00	1558	131.00	759	176.00	587456
57.00	13599	92.00	14321	132.00	127	177.00	38712
58.00	671	93.00	23088	134.00	187	178.00	1176
59.00	176	94.00	67120	135.00	852	179.00	39
60.00	4230	95.00	655424	136.00	144	191.00	188
61.00	22760	96.00	43264	137.00	863	192.00	36
62.00	22400	97.00	1417	139.00	215	195.00	34
63.00	17120	98.00	83	140.00	386	207.00	3
64.00	1454	99.00	42	141.00	4125	208.00	65
65.00	242	103.00	235	142.00	624	209.00	13
66.00	161	104.00	1857	143.00	4442	232.00	34
67.00	1381	105.00	733	144.00	247		
68.00	55232	106.00	1926	145.00	398		

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3598	69.00	55456	107.00	506	146.00	797
37.00	21800	70.00	4675	110.00	224	147.00	445
38.00	18888	71.00	401	111.00	348	148.00	1360
39.00	8014	72.00	2936	112.00	314	149.00	203
40.00	493	73.00	23424	113.00	359	150.00	499
41.00	226	74.00	87208	115.00	629	151.00	76
42.00	36	75.00	280192	116.00	1733	152.00	281
43.00	638	76.00	24120	117.00	3170	153.00	502
44.00	2073	77.00	3976	118.00	1709	154.00	400
45.00	4229	78.00	2864	119.00	2240	155.00	1501
46.00	338	79.00	9787	120.00	91	156.00	211
47.00	9298	80.00	3724	122.00	141	157.00	1089
48.00	3200	81.00	10695	123.00	161	158.00	145
49.00	19728	82.00	2763	124.00	293	159.00	575
50.00	99568	83.00	677	125.00	175	161.00	595
51.00	30736	84.00	174	126.00	209	169.00	53
52.00	1261	85.00	393	127.00	171	170.00	90
53.00	228	86.00	884	128.00	1907	171.00	236
54.00	186	87.00	33568	129.00	953	174.00	599488
55.00	1341	88.00	31904	130.00	1955	175.00	44312
56.00	6841	91.00	1558	131.00	759	176.00	587456
57.00	13599	92.00	14321	132.00	127	177.00	38712
58.00	671	93.00	23088	134.00	187	178.00	1176
59.00	176	94.00	67120	135.00	852	179.00	39
60.00	4230	95.00	655424	136.00	144	191.00	188
61.00	22760	96.00	43264	137.00	863	192.00	36
62.00	22400	97.00	1417	139.00	215	195.00	34
63.00	17120	98.00	83	140.00	386	207.00	3
64.00	1454	99.00	42	141.00	4125	208.00	65
65.00	242	103.00	235	142.00	624	209.00	13
66.00	161	104.00	1857	143.00	4442	232.00	34
67.00	1381	105.00	733	144.00	247		
68.00	55232	106.00	1926	145.00	398		

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

Lab Name: TestAmerica Burlington Job No.: 200-31474-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-99454/5

Matrix: Air Lab File ID: 17741_05.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 01/13/2016 13:17

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.: 99454 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.: 200-31474-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-99454/5
 Matrix: Air Lab File ID: 17741_05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/13/2016 13:17
 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.: 99454 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.: 200-31474-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-99454/5
 Matrix: Air Lab File ID: 17741_05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/13/2016 13:17
 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.: 99454 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.: 200-31474-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-99454/5
 Matrix: Air Lab File ID: 17741_05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/13/2016 13:17
 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.: 99454 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\CHB.i\20160113-17741.b\17741_05.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 13-Jan-2016 13:17:30 ALS Bottle#: 7 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017741-005
 Misc. Info.: mb
 Operator ID: pad Instrument ID: CHB.i
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\TO15_LLNJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 14-Jan-2016 11:43:50 Calib Date: 16-Dec-2015 01:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK035

First Level Reviewer: daiglep

Date: 14-Jan-2016 09:41:18

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		3.160					ND	
2 Dichlorodifluoromethane	85		3.219					ND	
3 Chlorodifluoromethane	51		3.256					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.443					ND	
5 Chloromethane	50		3.571					ND	
6 Butane	43		3.752					ND	
7 Vinyl chloride	62		3.790					ND	
8 Butadiene	54		3.859					ND	
10 Bromomethane	94		4.548					ND	
11 Chloroethane	64		4.782					ND	
12 2-Methylbutane	43		4.857					ND	
13 Vinyl bromide	106		5.199					ND	
14 Trichlorofluoromethane	101		5.295					ND	
15 Pentane	43		5.433					ND	
16 Ethanol	45		5.764					ND	
17 Ethyl ether	59		5.908					ND	
18 Acrolein	56		6.293					ND	
19 1,1,2-Trichloro-1,2,2-trif	101		6.330					ND	
20 1,1-Dichloroethene	96		6.405					ND	
21 Acetone	43		6.565					ND	
22 Isopropyl alcohol	45		6.773					ND	
23 Carbon disulfide	76		6.837					ND	
24 3-Chloro-1-propene	41		7.115					ND	
26 Acetonitrile	41		7.195					ND	
T 25 Methyl Acetate TIC	43		7.200					ND	
27 Methylene Chloride	49		7.376					ND	
28 2-Methyl-2-propanol	59		7.472					ND	
29 Methyl tert-butyl ether	73		7.712					ND	
30 trans-1,2-Dichloroethene	61		7.782					ND	
31 Acrylonitrile	53		7.872					ND	
32 Hexane	57		8.107					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63		8.529					ND	
34 Vinyl acetate	43		8.534					ND	
* 39 Chlorobromomethane	128	9.804	9.804	0.000	84	458531	10.0	10.0	
36 2-Butanone (MEK)	72		9.425					ND	
35 Ethyl acetate	88		9.431					ND	
37 cis-1,2-Dichloroethene	96		9.436					ND	
38 Tetrahydrofuran	42		9.810					ND	
40 Chloroform	83		9.879					ND	
S 41 1,2-Dichloroethene, Total	61		10.000					ND	
42 1,1,1-Trichloroethane	97		10.135					ND	
43 Cyclohexane	84		10.141					ND	
44 Carbon tetrachloride	117		10.333					ND	
45 Isooctane	57		10.616					ND	
46 Benzene	78		10.669					ND	
47 1,2-Dichloroethane	62		10.770					ND	
48 n-Heptane	43		10.866					ND	
A 49 GRO	1	10.936	(4.847-17.025)		0	581923		0	
* 50 1,4-Difluorobenzene	114	11.208	11.208	0.000	93	2318749	10.0	10.0	
51 n-Butanol	56		11.379					ND	
T 52 Methyl cyclohexane TIC	55		11.500					ND	
53 Trichloroethene	95		11.576					ND	
54 1,2-Dichloropropane	63		11.955					ND	
55 Methyl methacrylate	69		11.982					ND	
56 1,4-Dioxane	88		12.073					ND	
57 Dibromomethane	174		12.142					ND	
58 Dichlorobromomethane	83		12.307					ND	
A 59 TVOC as Toluene	1	12.580	(3.150-22.009)		0	897164		0	
60 cis-1,3-Dichloropropene	75		12.937					ND	
61 4-Methyl-2-pentanone (MIBK)	43		13.081					ND	
A 62 C8 Range	1	13.327	(13.287-13.367)		0	7806		NC	
63 n-Octane	43		13.337					ND	
64 Toluene	92		13.364					ND	
A 65 Toluene Range	1	13.379	(13.354-13.404)		0	4932		NC	
66 trans-1,3-Dichloropropene	75		13.732					ND	
67 1,1,2-Trichloroethane	83		14.005					ND	
68 Tetrachloroethene	166		14.133					ND	
69 2-Hexanone	43		14.255					ND	
70 Chlorodibromomethane	129		14.554					ND	
71 Ethylene Dibromide	107		14.757					ND	
* 72 Chlorobenzene-d5	117	15.307	15.312	-0.005	83	1974893	10.0	10.0	
73 Chlorobenzene	112		15.349					ND	
74 Ethylbenzene	91		15.413					ND	
75 n-Nonane	57		15.424					ND	
76 m-Xylene & p-Xylene	106		15.558					ND	
S 77 Xylenes, Total	106		16.000					ND	
78 o-Xylene	106		16.070					ND	
79 Styrene	104		16.091					ND	
80 Bromoform	173		16.385					ND	
81 Isopropylbenzene	105		16.476					ND	
* 82 4-Bromofluorobenzene	95	16.737	16.737	0.000	96	1289367	10.0	10.0	
83 1,1,2,2-Tetrachloroethane	83		16.886					ND	
84 N-Propylbenzene	91		16.956					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 1,2,3-Trichloropropane	75		16.972					ND	
86 n-Decane	57		17.015					ND	
87 4-Ethyltoluene	105		17.079					ND	
88 2-Chlorotoluene	91		17.121					ND	
89 1,3,5-Trimethylbenzene	105		17.143					ND	
90 Alpha Methyl Styrene	118		17.420					ND	
91 tert-Butylbenzene	119		17.522					ND	
92 1,2,4-Trimethylbenzene	105		17.596					ND	
93 sec-Butylbenzene	105		17.783					ND	
94 4-Isopropyltoluene	119		17.938					ND	
95 1,3-Dichlorobenzene	146		18.018					ND	
96 1,4-Dichlorobenzene	146		18.130					ND	
97 Benzyl chloride	91		18.285					ND	
98 Undecane	57		18.402					ND	
99 n-Butylbenzene	91		18.450					ND	
100 1,2-Dichlorobenzene	146		18.621					ND	
T 101 1,2-Dibromo-3-Chloropropan	75		19.300					ND	
102 Dodecane	57		19.875					ND	
103 1,2,4-Trichlorobenzene	180		21.017					ND	
104 Hexachlorobutadiene	225		21.183					ND	
105 Naphthalene	128		21.514					ND	
106 1,2,3-Trichlorobenzene	180		21.999					ND	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	
T 107 Methyl acetylene TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_05.D

Injection Date: 13-Jan-2016 13:17:30

Instrument ID: CHB.i

Operator ID: pad

Lims ID: mb

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

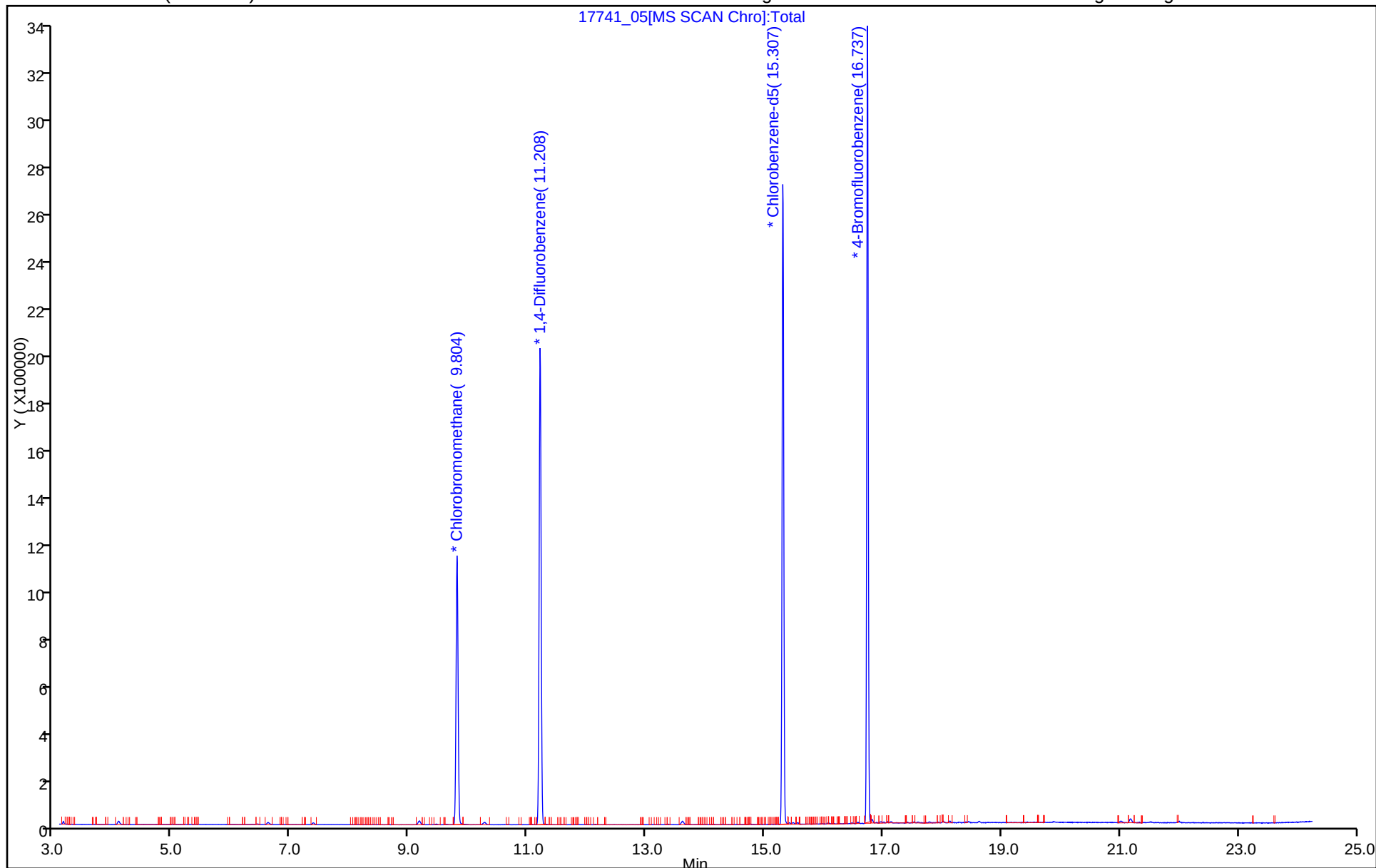
ALS Bottle#: 7

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



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

Lab Name: TestAmerica Burlington Job No.: 200-31474-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-99454/4

Matrix: Air Lab File ID: 17741_04.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 01/13/2016 12:24

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.: 99454 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	9.98		0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.3		0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	10.4		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	10.3		0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	10.4		0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	7.88		0.50	0.50
95-63-6	1,2,4-Trimethylbenzene	120.20	9.81		0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	10.3		0.20	0.20
95-50-1	1,2-Dichlorobenzene	147.00	9.72		0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	9.83		0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	21.3		0.40	0.40
78-87-5	1,2-Dichloropropane	112.99	9.93		0.20	0.20
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	12.7		0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	9.95		0.20	0.20
106-99-0	1,3-Butadiene	54.09	11.0		0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	9.76		0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	9.76		0.20	0.20
123-91-1	1,4-Dioxane	88.11	9.29		5.0	5.0
540-84-1	2,2,4-Trimethylpentane	114.23	9.93		0.20	0.20
95-49-8	2-Chlorotoluene	126.59	9.84		0.20	0.20
107-05-1	3-Chloropropene	76.53	9.43		0.50	0.50
622-96-8	4-Ethyltoluene	120.20	10.1		0.20	0.20
67-64-1	Acetone	58.08	9.85		5.0	5.0
71-43-2	Benzene	78.11	10.1		0.20	0.20
75-27-4	Bromodichloromethane	163.83	10.1		0.20	0.20
593-60-2	Bromoethene (Vinyl Bromide)	106.96	10.8		0.20	0.20
75-25-2	Bromoform	252.75	10.7		0.20	0.20
74-83-9	Bromomethane	94.94	11.3		0.20	0.20
75-15-0	Carbon disulfide	76.14	12.3		0.50	0.50
56-23-5	Carbon tetrachloride	153.81	11.6		0.20	0.20
108-90-7	Chlorobenzene	112.56	10.1		0.20	0.20
75-00-3	Chloroethane	64.52	11.1		0.50	0.50
67-66-3	Chloroform	119.38	10.3		0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 200-31474-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-99454/4
 Matrix: Air Lab File ID: 17741_04.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 01/13/2016 12:24
 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.: 99454 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	11.1		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	10.4		0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	10.2		0.20	0.20
110-82-7	Cyclohexane	84.16	10.4		0.20	0.20
124-48-1	Dibromochloromethane	208.29	9.98		0.20	0.20
75-71-8	Dichlorodifluoromethane	120.91	11.0		0.50	0.50
100-41-4	Ethylbenzene	106.17	10.3		0.20	0.20
76-13-1	Freon TF	187.38	10.6		0.20	0.20
87-68-3	Hexachlorobutadiene	260.76	8.31		0.20	0.20
67-63-0	Isopropyl alcohol	60.10	8.99		5.0	5.0
179601-23-1	m,p-Xylene	106.17	20.2		0.50	0.50
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.07		0.50	0.50
78-93-3	Methyl Ethyl Ketone	72.11	10.4		0.50	0.50
108-10-1	methyl isobutyl ketone	100.16	9.04		0.50	0.50
1634-04-4	Methyl tert-butyl ether	88.15	10.3		0.20	0.20
75-09-2	Methylene Chloride	84.93	9.93		0.50	0.50
142-82-5	n-Heptane	100.21	9.23		0.20	0.20
110-54-3	n-Hexane	86.17	10.9		0.20	0.20
100-42-5	Styrene	104.15	9.91		0.20	0.20
75-65-0	tert-Butyl alcohol	74.12	9.84		5.0	5.0
127-18-4	Tetrachloroethene	165.83	9.69		0.20	0.20
109-99-9	Tetrahydrofuran	72.11	9.93		5.0	5.0
108-88-3	Toluene	92.14	10.2		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	10.9		0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	10.1		0.20	0.20
79-01-6	Trichloroethene	131.39	10.0		0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	10.5		0.20	0.20
75-01-4	Vinyl chloride	62.50	11.7		0.20	0.20
1330-20-7	Xylene (total)	106.17	30.1		0.70	0.70
95-47-6	Xylene, o-	106.17	9.87		0.20	0.20

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_04.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 13-Jan-2016 12:24:30 ALS Bottle#: 6 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017741-004
 Misc. Info.: lcs
 Operator ID: pad Instrument ID: CHB.i
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\TO15_LLNJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 14-Jan-2016 11:43:50 Calib Date: 16-Dec-2015 01:15:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20151215-17332.b\17332_12.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK035

First Level Reviewer: guazzonig

Date: 13-Jan-2016 13:19:51

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	3.160	3.160	0.000	97	258151	10.0	11.0	
2 Dichlorodifluoromethane	85	3.218	3.219	-0.001	99	993867	10.0	11.0	
3 Chlorodifluoromethane	51	3.256	3.256	0.000	97	538532	10.0	11.0	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.443	3.443	0.000	97	1135672	10.0	12.7	
5 Chloromethane	50	3.571	3.571	0.000	99	308661	10.0	11.1	
6 Butane	43	3.747	3.752	-0.005	98	504036	10.0	11.0	
7 Vinyl chloride	62	3.790	3.790	0.000	98	416001	10.0	11.7	
8 Butadiene	54	3.859	3.859	0.000	93	288280	10.0	11.0	
9 BFB									
10 Bromomethane	94	4.547	4.548	-0.001	100	486473	10.0	11.3	
11 Chloroethane	64	4.782	4.782	0.000	98	276627	10.0	11.1	
12 2-Methylbutane	43	4.857	4.857	0.000	92	517597	10.0	10.9	
13 Vinyl bromide	106	5.198	5.199	-0.001	100	510302	10.0	10.8	
14 Trichlorofluoromethane	101	5.295	5.295	0.000	98	1075128	10.0	10.5	
15 Pentane	43	5.428	5.433	-0.005	96	807380	10.0	11.3	
16 Ethanol	45	5.764	5.764	0.000	98	279513	15.0	15.8	
17 Ethyl ether	59	5.908	5.908	0.000	95	369668	10.0	11.6	
18 Acrolein	56	6.293	6.293	0.000	94	193839	10.0	14.3	
19 1,1,2-Trichloro-1,2,2-trif	101	6.330	6.330	0.000	99	977983	10.0	10.6	
20 1,1-Dichloroethene	96	6.405	6.405	0.000	94	486824	10.0	10.4	
21 Acetone	43	6.565	6.565	0.000	95	571933	10.0	9.85	
22 Isopropyl alcohol	45	6.773	6.773	0.000	99	531461	10.0	8.99	
23 Carbon disulfide	76	6.837	6.837	0.000	98	1514892	10.0	12.3	
24 3-Chloro-1-propene	41	7.114	7.115	-0.001	91	521606	10.0	9.43	
26 Acetonitrile	41	7.194	7.195	-0.001	99	329457	10.0	10.6	
27 Methylene Chloride	49	7.376	7.376	0.000	88	491933	10.0	9.93	
28 2-Methyl-2-propanol	59	7.472	7.472	0.000	92	823219	10.0	9.84	
29 Methyl tert-butyl ether	73	7.712	7.712	0.000	97	1374015	10.0	10.3	
30 trans-1,2-Dichloroethene	61	7.782	7.782	0.000	96	708361	10.0	10.9	
31 Acrylonitrile	53	7.867	7.872	-0.005	96	367333	10.0	10.8	
32 Hexane	57	8.107	8.107	0.000	88	814760	10.0	10.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 1,1-Dichloroethane	63	8.534	8.529	0.005	99	885314	10.0	10.3	
34 Vinyl acetate	43	8.534	8.534	0.000	99	1132046	10.0	10.3	
* 39 Chlorobromomethane	128	9.810	9.804	0.006	91	446929	10.0	10.0	
36 2-Butanone (MEK)	72	9.425	9.425	0.000	96	268949	10.0	10.4	
35 Ethyl acetate	88	9.436	9.431	0.005	95	54642	10.0	11.7	
37 cis-1,2-Dichloroethene	96	9.436	9.436	0.000	94	564555	10.0	10.4	
38 Tetrahydrofuran	42	9.810	9.810	0.000	89	508297	10.0	9.93	
40 Chloroform	83	9.879	9.879	0.000	94	986159	10.0	10.3	
S 41 1,2-Dichloroethene, Total	61				0		20.0	21.3	
42 1,1,1-Trichloroethane	97	10.135	10.135	0.000	95	949762	10.0	9.98	
43 Cyclohexane	84	10.140	10.141	-0.001	94	779702	10.0	10.4	
44 Carbon tetrachloride	117	10.338	10.333	0.005	97	989872	10.0	11.6	
45 Isooctane	57	10.615	10.616	-0.001	99	2584253	10.0	9.93	
46 Benzene	78	10.669	10.669	0.000	94	1706879	10.0	10.1	
47 1,2-Dichloroethane	62	10.776	10.770	0.006	96	540706	10.0	9.83	
48 n-Heptane	43	10.866	10.866	0.000	87	858874	10.0	9.23	
A 49 GRO	1	10.936	(4.847-17.025)		0	196495319	10.0	0	
* 50 1,4-Difluorobenzene	114	11.213	11.208	0.005	93	2235175	10.0	10.0	
51 n-Butanol	56	11.384	11.379	0.005	82	308397	10.0	9.81	
53 Trichloroethene	95	11.576	11.576	0.000	96	726956	10.0	10.0	
54 1,2-Dichloropropane	63	11.955	11.955	0.000	95	620203	10.0	9.93	
55 Methyl methacrylate	69	11.982	11.982	0.000	98	622036	10.0	10.4	
56 1,4-Dioxane	88	12.078	12.073	0.005	89	263398	10.0	9.29	
57 Dibromomethane	174	12.142	12.142	0.000	93	769417	10.0	9.35	
58 Dichlorobromomethane	83	12.313	12.307	0.006	97	1078397	10.0	10.1	
A 59 TVOC as Toluene	1	12.580	(3.150-22.009)		0	338201525	10.0	0	
60 cis-1,3-Dichloropropene	75	12.937	12.937	0.000	88	948504	10.0	10.2	
61 4-Methyl-2-pentanone (MIBK)	43	13.086	13.081	0.005	93	1062123	10.0	9.04	
A 62 C8 Range	1	13.327	(13.287-13.367)		0	9710329	NC	NC	
63 n-Octane	43	13.337	13.337	0.000	88	1220495	10.0	9.12	
64 Toluene	92	13.364	13.364	0.000	93	1290115	10.0	10.2	
A 65 Toluene Range	1	13.379	(13.354-13.404)		0	9710329	NC	NC	
66 trans-1,3-Dichloropropene	75	13.732	13.732	0.000	93	915839	10.0	10.1	
67 1,1,2-Trichloroethane	83	14.004	14.005	-0.001	94	625361	10.0	10.4	
68 Tetrachloroethene	166	14.138	14.133	0.005	96	1120804	10.0	9.69	
69 2-Hexanone	43	14.255	14.255	0.000	98	1030964	10.0	9.07	
70 Chlorodibromomethane	129	14.554	14.554	0.000	98	1140637	10.0	9.98	
71 Ethylene Dibromide	107	14.757	14.757	0.000	98	1155461	10.0	10.3	
* 72 Chlorobenzene-d5	117	15.312	15.312	0.000	83	1968515	10.0	10.0	
73 Chlorobenzene	112	15.349	15.349	0.000	97	1795964	10.0	10.1	
74 Ethylbenzene	91	15.413	15.413	0.000	97	2813892	10.0	10.3	
75 n-Nonane	57	15.424	15.424	0.000	86	1306883	10.0	10.0	
76 m-Xylene & p-Xylene	106	15.563	15.558	0.005	0	2252903	20.0	20.2	
S 77 Xylenes, Total	106				0		30.0	30.1	
78 o-Xylene	106	16.070	16.070	0.000	99	1097438	10.0	9.87	
79 Styrene	104	16.096	16.091	0.005	97	1785506	10.0	9.91	
80 Bromoform	173	16.390	16.385	0.005	99	1027497	10.0	10.7	
81 Isopropylbenzene	105	16.475	16.476	-0.001	95	3157368	10.0	9.81	
* 82 4-Bromofluorobenzene	95	16.737	16.737	0.000	96	1328954	10.0	10.0	
83 1,1,2,2-Tetrachloroethane	83	16.886	16.886	0.000	97	1691007	10.0	10.3	
84 N-Propylbenzene	91	16.956	16.956	0.000	100	3833120	10.0	10.0	
85 1,2,3-Trichloropropane	75	16.972	16.972	0.000	97	1211570	10.0	9.98	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 n-Decane	57	17.014	17.015	-0.001	90	1689226	10.0	10.1	
87 4-Ethyltoluene	105	17.078	17.079	-0.001	98	3267762	10.0	10.1	
88 2-Chlorotoluene	91	17.121	17.121	0.000	97	2508554	10.0	9.84	
89 1,3,5-Trimethylbenzene	105	17.148	17.143	0.005	94	2631374	10.0	9.95	
90 Alpha Methyl Styrene	118	17.420	17.420	0.000	91	1402724	10.0	10.1	
91 tert-Butylbenzene	119	17.527	17.522	0.005	96	2546333	10.0	9.65	
92 1,2,4-Trimethylbenzene	105	17.596	17.596	0.000	96	2633167	10.0	9.81	
93 sec-Butylbenzene	105	17.783	17.783	0.000	99	3910275	10.0	9.85	
94 4-Isopropyltoluene	119	17.938	17.938	0.000	98	3344915	10.0	9.90	
95 1,3-Dichlorobenzene	146	18.018	18.018	0.000	96	1946500	10.0	9.76	
96 1,4-Dichlorobenzene	146	18.130	18.130	0.000	97	1953443	10.0	9.76	
97 Benzyl chloride	91	18.290	18.285	0.005	100	2148405	10.0	10.3	
98 Undecane	57	18.402	18.402	0.000	94	1735408	10.0	10.2	
99 n-Butylbenzene	91	18.450	18.450	0.000	98	3005105	10.0	10.3	
100 1,2-Dichlorobenzene	146	18.626	18.621	0.005	98	1841504	10.0	9.72	
102 Dodecane	57	19.880	19.875	0.005	97	1795916	10.0	11.0	
103 1,2,4-Trichlorobenzene	180	21.017	21.017	0.000	94	1254030	10.0	7.88	
104 Hexachlorobutadiene	225	21.183	21.183	0.000	96	1179319	10.0	8.31	
105 Naphthalene	128	21.513	21.514	-0.001	100	2301047	10.0	6.92	
106 1,2,3-Trichlorobenzene	180	21.999	21.999	0.000	95	1196937	10.0	8.08	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00565

Amount Added: 200.00

Units: mL

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 14-Jan-2016 11:43:53

Chrom Revision: 2.2 02-Dec-2015 11:51:48

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20160113-17741.b\17741_04.D

Injection Date: 13-Jan-2016 12:24:30

Instrument ID: CHB.i

Operator ID: pad

Lims ID: lcs

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

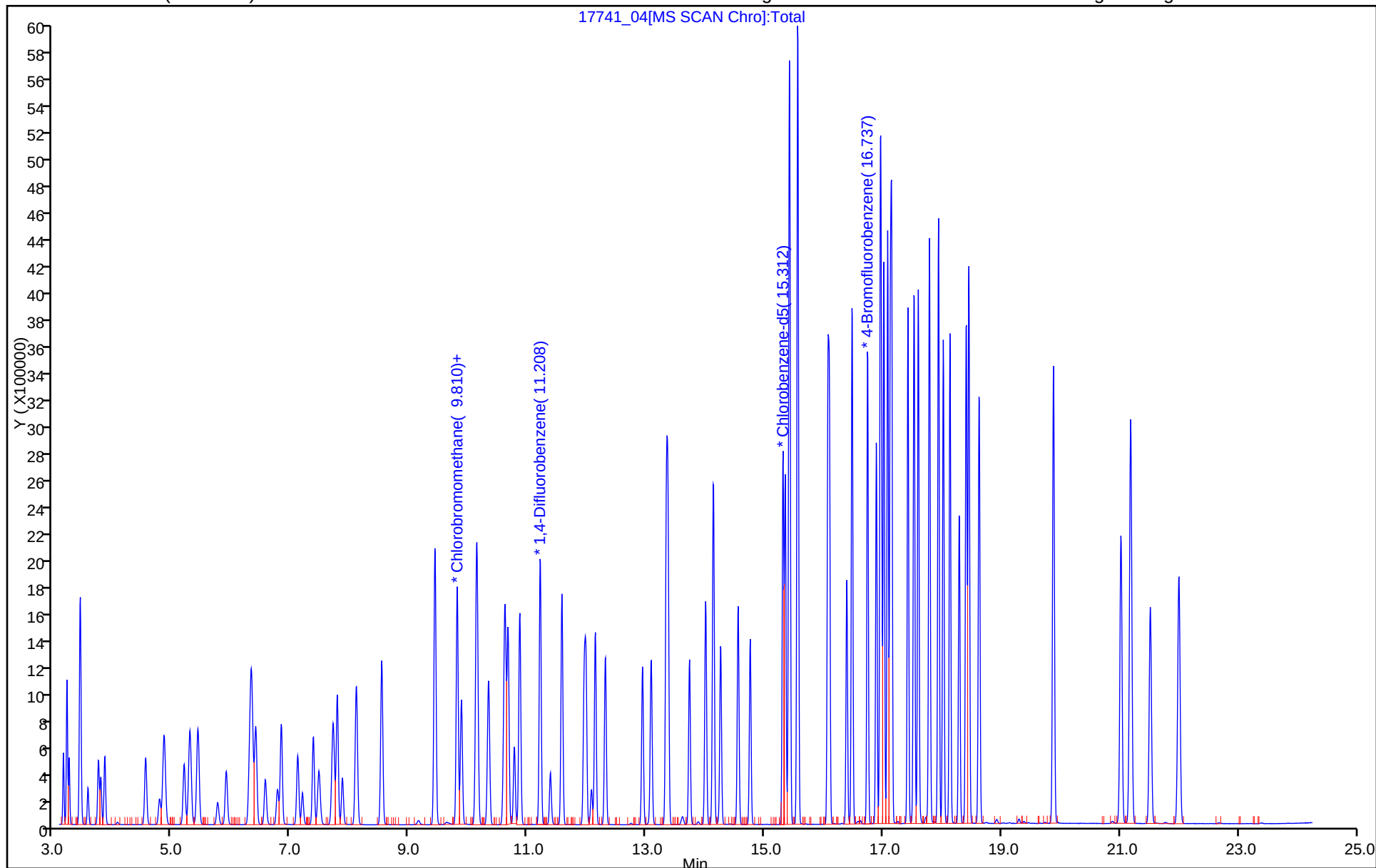
ALS Bottle#: 6

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-31474-1

SDG No.: _____

Instrument ID: CHB.i Start Date: 12/15/2015 15:39Analysis Batch Number: 98466 End Date: 12/16/2015 06:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-98466/1		12/15/2015 15:39	1	17332_01.D	RTX-624 0.32 (mm)
VIBLK 200-98466/2		12/15/2015 16:32	1		RTX-624 0.32 (mm)
ZZZZZ		12/15/2015 17:25	1		RTX-624 0.32 (mm)
VIBLK 200-98466/4		12/15/2015 18:17	1		RTX-624 0.32 (mm)
IC 200-98466/5		12/15/2015 19:10	1	17332_05.D	RTX-624 0.32 (mm)
IC 200-98466/6		12/15/2015 20:02	1	17332_06.D	RTX-624 0.32 (mm)
IC 200-98466/7		12/15/2015 20:54	1	17332_07.D	RTX-624 0.32 (mm)
IC 200-98466/8		12/15/2015 21:46	1	17332_08.D	RTX-624 0.32 (mm)
ICIS 200-98466/9		12/15/2015 22:38	1	17332_09.D	RTX-624 0.32 (mm)
IC 200-98466/10		12/15/2015 23:30	1	17332_10.D	RTX-624 0.32 (mm)
IC 200-98466/11		12/16/2015 00:23	1	17332_11.D	RTX-624 0.32 (mm)
IC 200-98466/12		12/16/2015 01:15	1	17332_12.D	RTX-624 0.32 (mm)
VIBLK 200-98466/13		12/16/2015 02:07	1		RTX-624 0.32 (mm)
VIBLK 200-98466/14		12/16/2015 02:59	1		RTX-624 0.32 (mm)
ICV 200-98466/15		12/16/2015 03:52	1	17332_15.D	RTX-624 0.32 (mm)
ZZZZZ		12/16/2015 04:44	1		RTX-624 0.32 (mm)
ZZZZZ		12/16/2015 05:36	1		RTX-624 0.32 (mm)
VIBLK 200-98466/18		12/16/2015 06:29	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-31474-1

SDG No.: _____

Instrument ID: CHB.iStart Date: 01/13/2016 09:50Analysis Batch Number: 99454End Date: 01/14/2016 09:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-99454/1		01/13/2016 09:50	1	17741_01.D	RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 10:40	1		RTX-624 0.32 (mm)
CCVIS 200-99454/3		01/13/2016 11:32	1	17741_03.D	RTX-624 0.32 (mm)
LCS 200-99454/4		01/13/2016 12:24	1	17741_04.D	RTX-624 0.32 (mm)
MB 200-99454/5		01/13/2016 13:17	1	17741_05.D	RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 14:09	10		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 15:02	10		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 15:54	10		RTX-624 0.32 (mm)
200-31474-1		01/13/2016 16:47	1	17741_09.D	RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 17:39	10		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 18:31	10		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 19:23	10		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 20:15	10		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 21:08	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 22:00	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 22:52	1		RTX-624 0.32 (mm)
ZZZZZ		01/13/2016 23:44	1		RTX-624 0.32 (mm)
ZZZZZ		01/14/2016 00:36	2		RTX-624 0.32 (mm)
ZZZZZ		01/14/2016 01:29	1		RTX-624 0.32 (mm)
ZZZZZ		01/14/2016 02:21	4		RTX-624 0.32 (mm)
ZZZZZ		01/14/2016 03:14	1		RTX-624 0.32 (mm)
ZZZZZ		01/14/2016 04:06	1		RTX-624 0.32 (mm)
ZZZZZ		01/14/2016 04:58	1		RTX-624 0.32 (mm)
ZZZZZ		01/14/2016 05:51	3.97		RTX-624 0.32 (mm)
ZZZZZ		01/14/2016 06:43	4.91		RTX-624 0.32 (mm)
ZZZZZ		01/14/2016 07:35	24		RTX-624 0.32 (mm)
ZZZZZ		01/14/2016 08:28	1		RTX-624 0.32 (mm)
ZZZZZ		01/14/2016 09:21	2		RTX-624 0.32 (mm)

[illegible]

⁴ Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

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

Lab Name: TestAmerica Burlington Job No.: 200-31171-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 17334_04.D
 Lab ID: LCS 200-98485/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.47	85	70-130	
Dichlorodifluoromethane	10.0	9.65	96	70-130	
Freon 22	10.0	9.03	90	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.5	105	70-130	
Chloromethane	10.0	8.36	84	70-130	
n-Butane	10.0	8.22	82	70-130	
Vinyl chloride	10.0	9.00	90	70-130	
1,3-Butadiene	10.0	8.40	84	70-130	
Bromomethane	10.0	9.68	97	70-130	
Chloroethane	10.0	8.69	87	70-130	
Bromoethene (Vinyl Bromide)	10.0	9.63	96	70-130	
Trichlorofluoromethane	10.0	9.51	95	70-130	
Ethanol	15.0	11.9	79	70-130	
Freon TF	10.0	9.70	97	70-130	
1,1-Dichloroethene	10.0	9.42	94	70-130	
Acetone	10.0	8.42	84	70-130	
Isopropyl alcohol	10.0	7.62	76	70-130	
Carbon disulfide	10.0	10.5	105	70-130	
3-Chloropropene	10.0	7.48	75	70-130	
Methylene Chloride	10.0	8.01	80	70-130	
tert-Butyl alcohol	10.0	8.49	85	70-130	
Methyl tert-butyl ether	10.0	9.26	93	70-130	
trans-1,2-Dichloroethene	10.0	9.49	95	70-130	
n-Hexane	10.0	9.21	92	70-130	
1,1-Dichloroethane	10.0	8.98	90	70-130	
Vinyl acetate	10.0	8.23	82	70-130	
Ethyl acetate	10.0	10.7	107	70-130	
Methyl Ethyl Ketone	10.0	9.25	92	70-130	
cis-1,2-Dichloroethene	10.0	9.78	98	70-130	
Chloroform	10.0	9.79	98	70-130	
Tetrahydrofuran	10.0	8.78	88	70-130	
1,1,1-Trichloroethane	10.0	9.90	99	70-130	
Cyclohexane	10.0	10.0	100	70-130	
Carbon tetrachloride	10.0	10.2	102	70-130	
2,2,4-Trimethylpentane	10.0	9.48	95	70-130	
Benzene	10.0	9.85	99	70-130	
1,2-Dichloroethane	10.0	9.63	96	70-130	
n-Heptane	10.0	9.05	90	70-130	
Trichloroethene	10.0	9.95	100	70-130	
Methyl methacrylate	10.0	9.80	98	70-130	
1,2-Dichloropropane	10.0	9.78	98	70-130	
1,4-Dioxane	10.0	9.94	99	70-130	

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.: 200-31171-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 17334_04.D
 Lab ID: LCS 200-98485/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.68	97	70-130	
cis-1,3-Dichloropropene	10.0	10.1	101	70-130	
methyl isobutyl ketone	10.0	9.12	91	70-130	
Toluene	10.0	9.95	100	70-130	
trans-1,3-Dichloropropene	10.0	9.92	99	70-130	
1,1,2-Trichloroethane	10.0	10.2	102	70-130	
Tetrachloroethene	10.0	10.3	104	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.15	81	70-130	
Dibromochloromethane	10.0	9.33	93	70-130	
1,2-Dibromoethane	10.0	10.3	103	70-130	
Chlorobenzene	10.0	10.2	102	70-130	
Ethylbenzene	10.0	9.93	99	70-130	
m,p-Xylene	20.0	20.2	101	70-130	
Xylene, o-	10.0	9.87	99	70-130	
Styrene	10.0	9.85	98	70-130	
Bromoform	10.0	7.81	78	70-130	
Cumene	10.0	9.90	99	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.2	103	70-130	
n-Propylbenzene	10.0	10.0	100	70-130	
4-Ethyltoluene	10.0	10.8	108	70-130	
1,3,5-Trimethylbenzene	10.0	8.70	87	70-130	
2-Chlorotoluene	10.0	9.96	100	70-130	
tert-Butylbenzene	10.0	8.57	86	70-130	
1,2,4-Trimethylbenzene	10.0	9.36	94	70-130	
sec-Butylbenzene	10.0	10.3	103	70-130	
4-Isopropyltoluene	10.0	11.2	112	70-130	
1,3-Dichlorobenzene	10.0	8.83	88	70-130	
1,4-Dichlorobenzene	10.0	9.20	92	70-130	
Benzyl chloride	10.0	9.34	93	70-130	
n-Butylbenzene	10.0	10.5	105	70-130	
1,2-Dichlorobenzene	10.0	10.7	107	70-130	
1,2,4-Trichlorobenzene	10.0	11.1	111	70-130	
Hexachlorobutadiene	10.0	11.2	112	70-130	
Naphthalene	10.0	10.5	105	70-130	

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.: 200-31171-1
SDG No.: _____
Lab File ID: 17334_05.D Lab Sample ID: MB 200-98485/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHX.i Date Analyzed: 12/16/2015 11:44
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 200-98485/4	17334_04.D	12/16/2015 10:54
3760	200-31171-4	17334_08.D	12/16/2015 14:42

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

Lab Name: TestAmerica Burlington Job No.: 200-31171-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-98485/5
 Matrix: Air Lab File ID: 17334_05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 12/16/2015 11:44
 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.: 98485 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.: 200-31171-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-98485/5
 Matrix: Air Lab File ID: 17334_05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 12/16/2015 11:44
 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.: 98485 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.: 200-31171-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-98485/5
 Matrix: Air Lab File ID: 17334_05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 12/16/2015 11:44
 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.: 98485 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\20151216-17334.b\17334_05.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 16-Dec-2015 11:44:30 ALS Bottle#: 3 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0017334-005
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20151216-17334.b\TO15_LL NJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Dec-2015 12:57:04 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK052

First Level Reviewer: desjardinsb

Date: 16-Dec-2015 12:57:04

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		3.087					ND	
2 Dichlorodifluoromethane	85		3.156					ND	
3 Chlorodifluoromethane	51		3.204					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.408					ND	
5 Chloromethane	50		3.541					ND	
6 Butane	43		3.729					ND	
7 Vinyl chloride	62		3.771					ND	
8 Butadiene	54		3.846					ND	
9 Bromomethane	94		4.499					ND	
10 Chloroethane	64		4.718					ND	
11 2-Methylbutane	43		4.782					ND	
12 Vinyl bromide	106		5.087					ND	
13 Trichlorofluoromethane	101		5.173					ND	
14 Pentane	43		5.307					ND	
15 Ethanol	45		5.756					ND	
16 Ethyl ether	59		5.820					ND	
18 1,1,2-Trichloro-1,2,2-trif	101		6.200					ND	
17 Acrolein	56		6.205					ND	
20 1,1-Dichloroethene	96		6.259					ND	
21 Acetone	43		6.510					ND	
22 Carbon disulfide	76		6.655					ND	
23 Isopropyl alcohol	45		6.821					ND	
24 3-Chloro-1-propene	41		7.029					ND	
25 Acetonitrile	41		7.174					ND	
26 Methylene Chloride	49	7.334	7.324	0.010	80	3685		0.1310	
T 27 Methyl Acetate TIC	43		7.568					ND	
28 2-Methyl-2-propanol	59		7.618					ND	
29 Methyl tert-butyl ether	73		7.735					ND	
30 trans-1,2-Dichloroethene	61		7.757					ND	
31 Acrylonitrile	53		7.923					ND	
32 Hexane	57		8.131					ND	
33 1,1-Dichloroethane	63		8.645					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43		8.709					ND	
35 cis-1,2-Dichloroethene	96		9.779					ND	
36 2-Butanone (MEK)	72		9.833					ND	
37 Ethyl acetate	88		9.875					ND	
S 38 1,2-Dichloroethene, Total	61		10.000					ND	
* 40 Chlorobromomethane	128	10.266	10.266	0.000	74	350062	10.0	10.0	
39 Tetrahydrofuran	42		10.287					ND	
41 Chloroform	83		10.400					ND	
42 Cyclohexane	84		10.646					ND	
43 1,1,1-Trichloroethane	97		10.683					ND	
44 Carbon tetrachloride	117		10.940					ND	
45 Isooctane	57		11.389					ND	
46 Benzene	78		11.443					ND	
47 1,2-Dichloroethane	62		11.646					ND	
48 n-Heptane	43		11.807					ND	
T 49 Methyl cyclohexane TIC	55		11.965					ND	
* 50 1,4-Difluorobenzene	114	12.336	12.336	0.000	93	2042677	10.0	10.0	
51 n-Butanol	56		12.823					ND	
52 Trichloroethene	95		12.834					ND	
53 1,2-Dichloropropane	63		13.438					ND	
54 Methyl methacrylate	69		13.609					ND	
55 1,4-Dioxane	88		13.684					ND	
56 Dibromomethane	174		13.711					ND	
57 Dichlorobromomethane	83		14.016					ND	
58 cis-1,3-Dichloropropene	75		14.990					ND	
A 60 TVOC as Toluene	1	15.246	(3.054-27.438)		0	5862249		51.1	
A 59 Total Hydrocarbons	1	15.246	(3.054-27.438)		0	5862249		NC	
61 4-Methyl-2-pentanone (MIBK)	43		15.321					ND	
62 Toluene	92		15.605					ND	
A 65 GRO	1	15.653	(15.653-15.653)		0	3672		0	
66 n-Octane	43		15.653					ND	
67 trans-1,3-Dichloropropene	75		16.241					ND	
68 1,1,2-Trichloroethane	83		16.643					ND	
69 Tetrachloroethene	166		16.734					ND	
70 2-Hexanone	43		17.130					ND	
71 Chlorodibromomethane	129		17.445					ND	
72 Ethylene Dibromide	107		17.729					ND	
* 73 Chlorobenzene-d5	117	18.670	18.676	-0.006	86	1887067	10.0	10.0	
74 Chlorobenzene	112		18.734					ND	
75 Ethylbenzene	91		18.890					ND	
76 n-Nonane	57		19.018					ND	
77 m-Xylene & p-Xylene	106		19.157					ND	
S 80 Xylenes, Total	106		20.000					ND	
78 o-Xylene	106		20.056					ND	
79 Styrene	104		20.115					ND	
81 Bromoform	173		20.575					ND	
82 Isopropylbenzene	105		20.783					ND	
T 84 1,2-Dibromo-3-Chloropropan	75		20.846					ND	
85 1,1,2,2-Tetrachloroethane	83		21.490					ND	
86 N-Propylbenzene	91		21.548					ND	
87 1,2,3-Trichloropropane	75		21.591					ND	
88 n-Decane	57		21.730					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 4-Ethyltoluene	105		21.752					ND	
90 2-Chlorotoluene	91		21.762					ND	
91 1,3,5-Trimethylbenzene	105		21.864					ND	
92 Alpha Methyl Styrene	118		22.249					ND	
93 tert-Butylbenzene	119		22.372					ND	
94 1,2,4-Trimethylbenzene	105		22.474					ND	
95 sec-Butylbenzene	105		22.709					ND	
96 4-Isopropyltoluene	119		22.918					ND	
97 1,3-Dichlorobenzene	146		22.955					ND	
98 1,4-Dichlorobenzene	146	23.095	23.094	0.001	91	1712		0.0107	
99 Benzyl chloride	91		23.303					ND	
101 n-Butylbenzene	91		23.517					ND	
100 Undecane	57		23.533					ND	
102 1,2-Dichlorobenzene	146		23.656					ND	
103 Dodecane	57		25.175					ND	
104 1,2,4-Trichlorobenzene	180	26.262	26.256	0.006	92	2294		0.0190	
105 Hexachlorobutadiene	225		26.443					ND	
106 Naphthalene	128	26.759	26.764	-0.005	95	2581		0.0105	
107 1,2,3-Trichlorobenzene	180	27.262	27.262	0.000	95	2318		0.0231	
T 108 1,1,1,2-Tetrachloroethane	1		0.000					ND	
T 109 Methyl acetylene TIC	1		0.000					ND	
T 117 1,3-Dichloropropane TIC	1		0.000					ND	
T 118 Chlorotrifluoroethene TIC	1		0.000					ND	
T 119 Difluoroethane TIC	1		0.000					ND	
T 120 Freon 115 TIC	1		0.000					ND	
T 121 1,1,1-Trifluoro-2,2-dichlo	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151216-17334.b\17334_05.D

Injection Date: 16-Dec-2015 11:44:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: mb

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

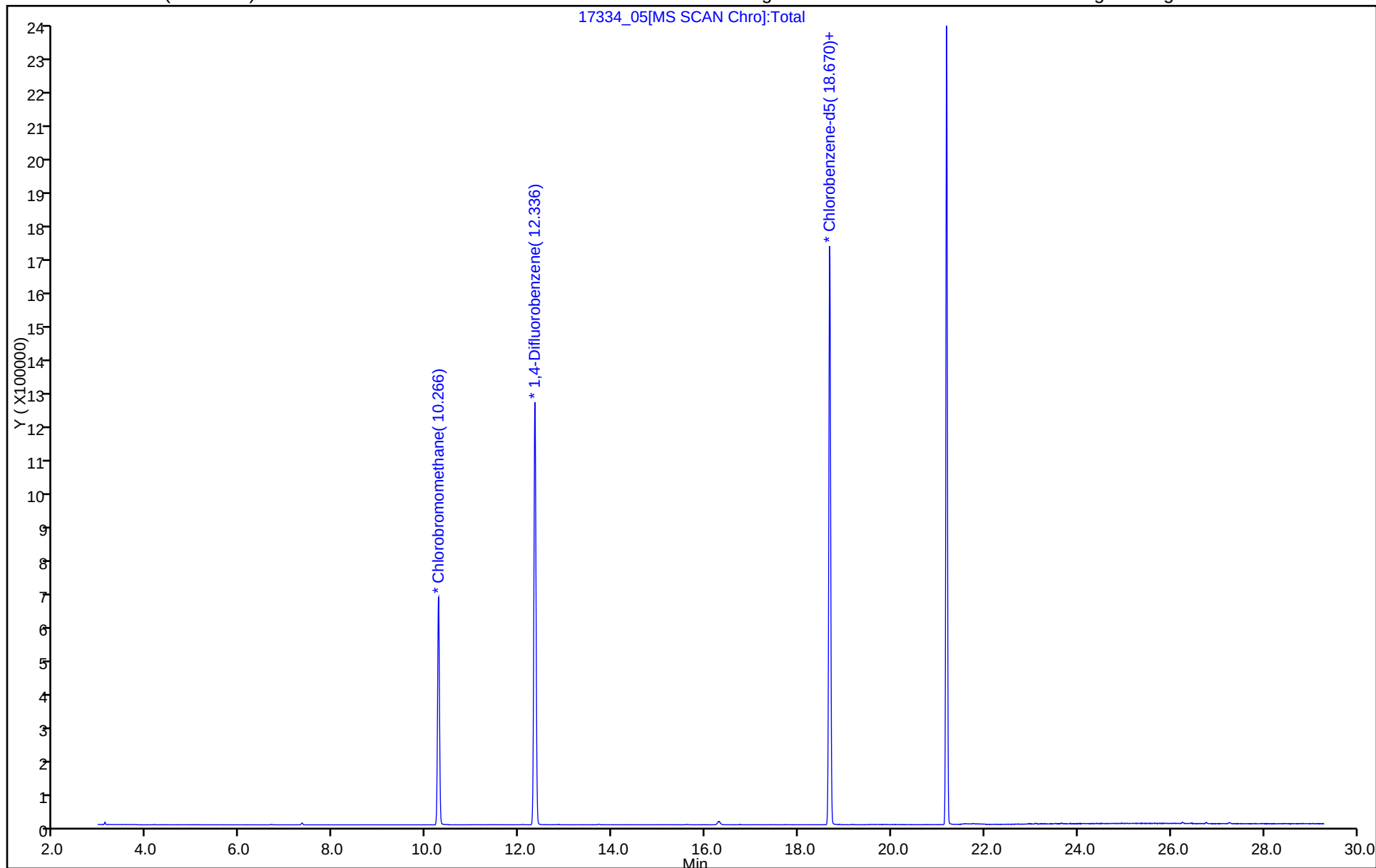
ALS Bottle#: 3

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31171-1
 SDG No.: _____
 Lab File ID: 17105_01.D BFB Injection Date: 12/02/2015
 Instrument ID: CHX.i BFB Injection Time: 15:20
 Analysis Batch No.: 97814

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	12.2
75	30.0 - 66.0% of mass 95	41.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (0.7) 1
174	50.0 - 120.0% of mass 95	97.6
175	4.0 - 9.0 % of mass 174	6.8 (7.0) 1
176	93.0 - 101.0% of mass 174	94.6 (96.9) 1
177	5.0 - 9.0% of mass 176	6.1 (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 200-97814/3	17105_03.D	12/02/2015	17:08
	IC 200-97814/4	17105_04.D	12/02/2015	17:58
	IC 200-97814/5	17105_05.D	12/02/2015	18:49
	IC 200-97814/6	17105_06.D	12/02/2015	19:39
	ICIS 200-97814/7	17105_07.D	12/02/2015	20:30
	IC 200-97814/8	17105_08.D	12/02/2015	21:21
	IC 200-97814/9	17105_09.D	12/02/2015	22:12
	IC 200-97814/10	17105_10.D	12/02/2015	23:02
	ICV 200-97814/13	17105_13.D	12/03/2015	01:34

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31171-1
 SDG No.: _____
 Lab File ID: 17334_01.D BFB Injection Date: 12/16/2015
 Instrument ID: CHX.i BFB Injection Time: 08:11
 Analysis Batch No.: 98485

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	12.1
75	30.0 - 66.0% of mass 95	40.7
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	0.6 (0.6) 1
174	50.0 - 120.0% of mass 95	100.2
175	4.0 - 9.0 % of mass 174	7.1 (7.1) 1
176	93.0 - 101.0% of mass 174	97.0 (96.8) 1
177	5.0 - 9.0% of mass 176	6.3 (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 200-98485/3	17334_03.D	12/16/2015	10:03
	LCS 200-98485/4	17334_04.D	12/16/2015	10:54
	MB 200-98485/5	17334_05.D	12/16/2015	11:44
3760	200-31171-4	17334_08.D	12/16/2015	14:42

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

Lab Name: TestAmerica Burlington Job No.: 200-31171-1
 SDG No.: _____
 Sample No.: ICIS 200-97814/7 Date Analyzed: 12/02/2015 20:30
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 17105_07.D Heated Purge: (Y/N) N
 Calibration ID: 32893

	BCM		DFB		CBZ	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	269793	10.27	1512521	12.34	1410922	18.68
UPPER LIMIT	377710	10.60	2117529	12.67	1975291	19.01
LOWER LIMIT	161876	9.94	907513	12.01	846553	18.35
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-97814/13		278960	10.27	1568240	12.34	1468004 18.68

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = 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.: 200-31171-1
 SDG No.: _____
 Sample No.: CCVIS 200-98485/3 Date Analyzed: 12/16/2015 10:03
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 17334_03.D Heated Purge: (Y/N) N
 Calibration ID: 32893

		BCM		DFB		CBZ		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		369219	10.27	2052290	12.34	1923262	18.68	
UPPER LIMIT		516907	10.60	2873206	12.67	2692567	19.01	
LOWER LIMIT		221531	9.94	1231374	12.01	1153957	18.35	
LAB SAMPLE ID		CLIENT SAMPLE ID						
LCS 200-98485/4		364164	10.27	2048445	12.34	1916420	18.68	
MB 200-98485/5		350062	10.27	2042677	12.34	1887067	18.67	
200-31171-4		3760	357108	10.28	1992460	12.35	1853520	18.68

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = 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.: 200-31171-1
 SDG No.: _____
 Client Sample ID: 3760 Lab Sample ID: 200-31171-4
 Matrix: Air Lab File ID: 17334_08.D
 Analysis Method: TO-15 Date Collected: 12/12/2015 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 12/16/2015 14:42
 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.: 98485 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>200-31171-1</u>
SDG No.: _____	
Client Sample ID: <u>3760</u>	Lab Sample ID: <u>200-31171-4</u>
Matrix: <u>Air</u>	Lab File ID: <u>17334_08.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>12/12/2015 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>12/16/2015 14:42</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>98485</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.: 200-31171-1
 SDG No.: _____
 Client Sample ID: 3760 Lab Sample ID: 200-31171-4
 Matrix: Air Lab File ID: 17334_08.D
 Analysis Method: TO-15 Date Collected: 12/12/2015 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 12/16/2015 14:42
 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.: 98485 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\20151216-17334.b\17334_08.D
 Lims ID: 200-31171-A-4 Lab Sample ID: 200-31171-4
 Client ID: 3760
 Sample Type: Client
 Inject. Date: 16-Dec-2015 14:42:30 ALS Bottle#: 6 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0017334-008
 Misc. Info.: 31171-4
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\ChromNA\Burlington\ChromData\CHX.i\20151216-17334.b\TO15_LL NJ_TO3_CHX.i.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 16-Dec-2015 17:03:44 Calib Date: 02-Dec-2015 23:02:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20151202-17105.b\17105_10.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK052

First Level Reviewer: desjardinsb

Date: 16-Dec-2015 17:03:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.087				ND	
2 Dichlorodifluoromethane	85		3.156				ND	
3 Chlorodifluoromethane	51		3.204				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.408				ND	
5 Chloromethane	50		3.541				ND	
6 Butane	43		3.729				ND	
7 Vinyl chloride	62		3.771				ND	
8 Butadiene	54		3.846				ND	
9 Bromomethane	94		4.499				ND	
10 Chloroethane	64		4.718				ND	
12 Vinyl bromide	106		5.087				ND	
13 Trichlorofluoromethane	101		5.173				ND	
15 Ethanol	45		5.756				ND	
18 1,1,2-Trichloro-1,2,2-trif	101		6.200				ND	
20 1,1-Dichloroethene	96		6.259				ND	
21 Acetone	43		6.510				ND	
22 Carbon disulfide	76		6.655				ND	
23 Isopropyl alcohol	45		6.821				ND	
24 3-Chloro-1-propene	41		7.029				ND	
26 Methylene Chloride	49	7.345	7.324	0.021	79	3569	0.1244	
28 2-Methyl-2-propanol	59		7.618				ND	
29 Methyl tert-butyl ether	73		7.735				ND	
30 trans-1,2-Dichloroethene	61		7.757				ND	
32 Hexane	57		8.131				ND	
33 1,1-Dichloroethane	63		8.645				ND	
34 Vinyl acetate	43		8.709				ND	
35 cis-1,2-Dichloroethene	96		9.779				ND	
36 2-Butanone (MEK)	72		9.833				ND	
37 Ethyl acetate	88		9.875				ND	
S 38 1,2-Dichloroethene, Total	61		10.000				ND	
* 40 Chlorobromomethane	128	10.282	10.266	0.016	74	357108	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
39 Tetrahydrofuran	42		10.287				ND	
41 Chloroform	83		10.400				ND	
42 Cyclohexane	84		10.646				ND	
43 1,1,1-Trichloroethane	97		10.683				ND	
44 Carbon tetrachloride	117		10.940				ND	
45 Isooctane	57		11.389				ND	
46 Benzene	78		11.443				ND	
47 1,2-Dichloroethane	62		11.646				ND	
48 n-Heptane	43		11.807				ND	
* 50 1,4-Difluorobenzene	114	12.352	12.336	0.016	92	1992460	10.0	
52 Trichloroethene	95		12.834				ND	
53 1,2-Dichloropropane	63		13.438				ND	
54 Methyl methacrylate	69		13.609				ND	
55 1,4-Dioxane	88		13.684				ND	
56 Dibromomethane	174		13.711				ND	
57 Dichlorobromomethane	83		14.016				ND	
58 cis-1,3-Dichloropropene	75		14.990				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.321				ND	
62 Toluene	92		15.605				ND	
67 trans-1,3-Dichloropropene	75		16.241				ND	
68 1,1,2-Trichloroethane	83		16.643				ND	
69 Tetrachloroethene	166		16.734				ND	
70 2-Hexanone	43		17.130				ND	
71 Chlorodibromomethane	129		17.445				ND	
72 Ethylene Dibromide	107		17.729				ND	
* 73 Chlorobenzene-d5	117	18.681	18.676	0.005	82	1853520	10.0	
74 Chlorobenzene	112		18.734				ND	
75 Ethylbenzene	91		18.890				ND	
77 m-Xylene & p-Xylene	106		19.157				ND	
S 80 Xylenes, Total	106		20.000				ND	
78 o-Xylene	106		20.056				ND	
79 Styrene	104		20.115				ND	
81 Bromoform	173		20.575				ND	
82 Isopropylbenzene	105		20.783				ND	
85 1,1,2,2-Tetrachloroethane	83		21.490				ND	
86 N-Propylbenzene	91		21.548				ND	
89 4-Ethyltoluene	105		21.752				ND	
90 2-Chlorotoluene	91		21.762				ND	
91 1,3,5-Trimethylbenzene	105		21.864				ND	
93 tert-Butylbenzene	119		22.372				ND	
94 1,2,4-Trimethylbenzene	105		22.474				ND	
95 sec-Butylbenzene	105		22.709				ND	
96 4-Isopropyltoluene	119		22.918				ND	
97 1,3-Dichlorobenzene	146		22.955				ND	
98 1,4-Dichlorobenzene	146		23.094				ND	
99 Benzyl chloride	91		23.303				ND	
101 n-Butylbenzene	91		23.517				ND	
102 1,2-Dichlorobenzene	146		23.656				ND	
104 1,2,4-Trichlorobenzene	180		26.256				ND	
105 Hexachlorobutadiene	225		26.443				ND	
106 Naphthalene	128		26.764				ND	

Reagents:

ATTO15GIS_00013

Amount Added: 20.00

Units: mL

Run Reagent

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20151216-17334.b\17334_08.D

Injection Date: 16-Dec-2015 14:42:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: 200-31171-A-4

Lab Sample ID: 200-31171-4

Worklist Smp#: 8

Client ID: 3760

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

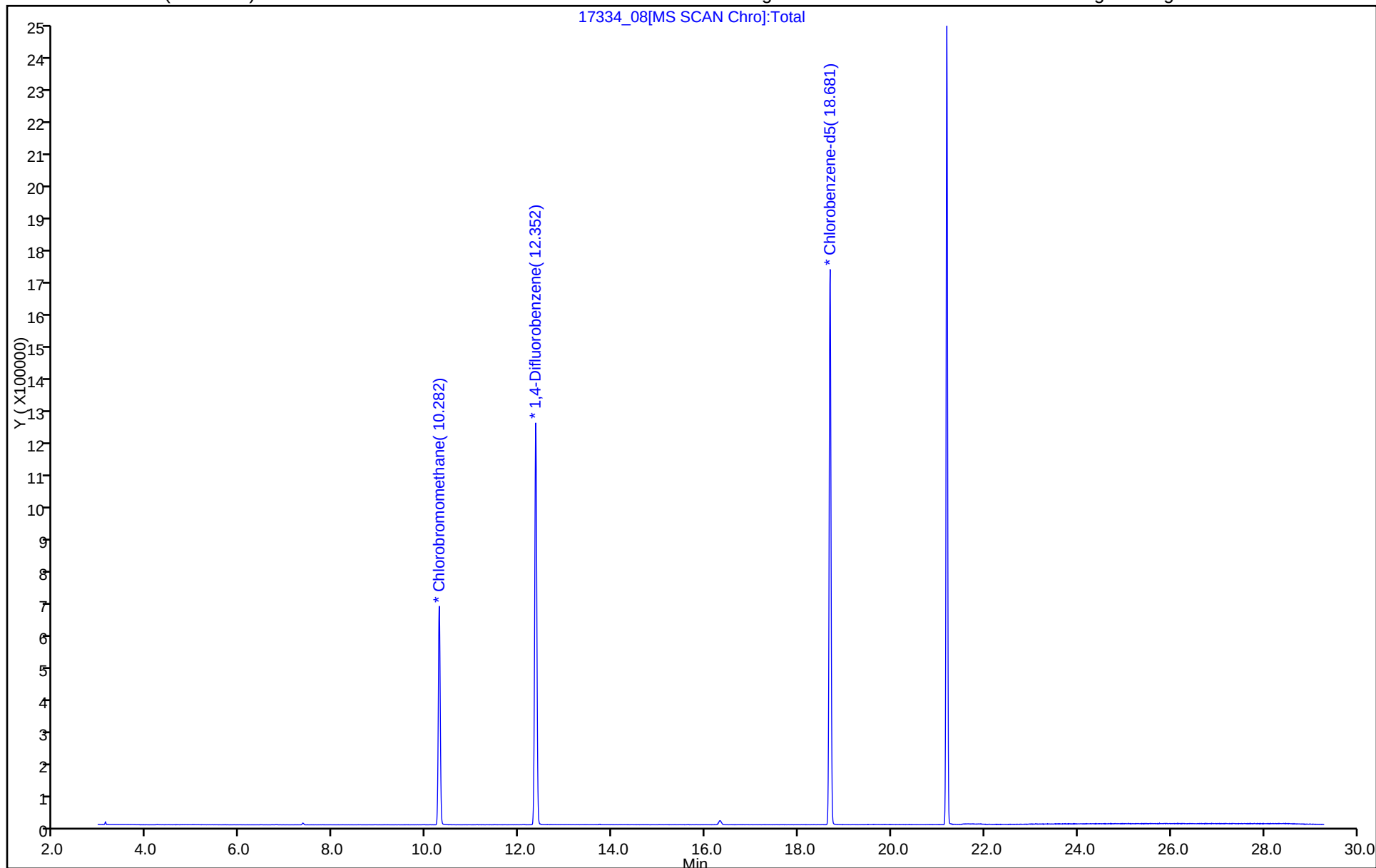
ALS Bottle#: 6

Method: TO15_LLNJ_TO3_CHX.i.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

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



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

Lab Name: TestAmerica Burlington Job No.: 200-31171-1 Analy Batch No.: 97814

SDG No.: _____

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

Calibration Start Date: 12/02/2015 17:08 Calibration End Date: 12/02/2015 23:02 Calibration ID: 32893

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-97814/3	17105_03.D
Level 2	IC 200-97814/4	17105_04.D
Level 3	IC 200-97814/5	17105_05.D
Level 4	IC 200-97814/6	17105_06.D
Level 5	ICIS 200-97814/7	17105_07.D
Level 6	IC 200-97814/8	17105_08.D
Level 7	IC 200-97814/9	17105_09.D
Level 8	IC 200-97814/10	17105_10.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	+++++ 0.4220	+++++ 0.4105	+++++ 0.3767	0.4463	0.4263	Ave		0.4164				6.2		30.0			
Dichlorodifluoromethane	+++++ 2.1256	+++++ 2.0931	+++++ 1.9195	2.2472	2.1740	Ave		2.1350				5.8		30.0			
Freon 22	+++++ 1.0140	+++++ 0.9928	1.0547 0.9256	1.0652	1.0290	Ave		1.0136				5.0		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.1387	2.1783 2.0913	2.3212 1.8915	2.2713	2.1859	Ave		2.1540				6.5		30.0			
Chloromethane	+++++ 0.5795	+++++ 0.5702	0.6215 0.5348	0.6056	0.5876	Ave		0.5832				5.2		30.0			
n-Butane	+++++ 0.9334	+++++ 0.9133	1.0117 0.8430	0.9730	0.9478	Ave		0.9370				6.1		30.0			
Vinyl chloride	0.8112 0.7831	0.7249 0.7680	0.8090 0.7087	0.8171	0.7958	Ave		0.7772				5.3		30.0			
1,3-Butadiene	+++++ 0.5450	0.5029 0.5380	0.5760 0.4919	0.5754	0.5516	Ave		0.5401				6.0		30.0			
Bromomethane	+++++ 0.7475	0.7881 0.7568	0.7886 0.7229	0.8051	0.7674	Ave		0.7680				3.7		30.0			
Chloroethane	+++++ 0.3666	+++++ 0.3417	0.3816 0.3372	0.3629	0.3737	Ave		0.3606				4.9		30.0			
Isopentane	+++++ 0.6166	0.6542 0.6038	0.6642 0.5660	0.6438	0.6266	Ave		0.6250				5.4		30.0			
Bromoethene (Vinyl Bromide)	+++++ 0.9136	0.9611 0.9043	0.9752 0.8350	0.9532	0.9279	Ave		0.9243				5.1		30.0			
Trichlorofluoromethane	+++++ 2.2648	2.3584 2.2466	2.3969 2.1035	2.3672	2.3026	Ave		2.2914				4.3		30.0			
n-Pentane	+++++ 1.0461	+++++ 1.0347	1.1684 0.9625	1.1006	1.0666	Ave		1.0631				6.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-31171-1 Analy Batch No.: 97814
SDG No.: _____
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/02/2015 17:08 Calibration End Date: 12/02/2015 23:02 Calibration ID: 32893

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	++++ 0.3032	++++ 0.2410	0.2700 0.2240	0.2805	0.2630	Ave		0.2636				10.7		30.0			
Ethyl ether	++++ 0.5160	0.5005 0.5104	0.5413 0.4799	0.5474	0.5294	Ave		0.5178				4.6		30.0			
Acrolein	++++ 0.1945	++++ 0.2214	++++ 0.1946	0.2415	0.2341	Ave		0.2172				10.1		30.0			
Freon TF	++++ 1.7767	1.8804 1.7357	1.9063 1.5948	1.8480	1.8082	Ave		1.7929				5.9		30.0			
1,1-Dichloroethene	++++ 0.8732	0.8762 0.8510	0.9059 0.7836	0.8868	0.8824	Ave		0.8656				4.6		30.0			
Acetone	++++ 0.9509	++++ 0.8820	++++ 0.8365	0.9763	0.9338	Ave		0.9159				6.1		30.0			
Carbon disulfide	++++ 2.2536	++++ 2.1952	2.3339 2.0533	2.3427	2.2852	Ave		2.2440				4.8		30.0			
Isopropyl alcohol	++++ 0.8621	++++ 0.8706	++++ 0.7928	0.9599	0.9355	Ave		0.8842				7.5		30.0			
3-Chloropropene	++++ 0.7317	0.8898 0.7754	0.8951 0.6997	0.8116	0.8137	Ave		0.8024				9.2		30.0			
Acetonitrile	++++ 0.4070	++++ 0.4167	++++ 0.3884	0.4386	0.4388	Ave		0.4179				5.2		30.0			
Methylene Chloride	++++ 0.7515	++++ 0.7413	1.0664 0.6826	0.8038	0.7760	Ave		0.8036				16.8		30.0			
tert-Butyl alcohol	++++ 1.4449	++++ 1.4490	++++ 1.3439	1.6076	1.5459	Ave		1.4783				6.9		30.0			
trans-1,2-Dichloroethene	++++ 1.1459	1.1234 1.1143	1.1964 1.0344	1.2053	1.1606	Ave		1.1400				5.1		30.0			
Methyl tert-butyl ether	++++ 2.4661	2.4050 2.4271	2.4814 2.2620	2.5730	2.4973	Ave		2.4446				4.0		30.0			
Acrylonitrile	++++ 0.5163	++++ 0.5048	0.5318 0.4739	0.5372	0.5274	Ave		0.5153				4.5		30.0			
n-Hexane	++++ 1.1605	1.2262 1.1389	1.2070 1.0464	1.2119	1.1815	Ave		1.1675				5.3		30.0			
1,1-Dichloroethane	1.7700 1.5145	1.4764 1.4808	1.5559 1.3737	1.5638	1.5370	Ave		1.5340				7.4		30.0			
Vinyl acetate	++++ 1.7623	++++ 1.7275	++++ 1.6137	1.8212	1.7819	Ave		1.7413				4.5		30.0			
cis-1,2-Dichloroethene	++++ 1.1285	1.1005 1.1049	1.1775 1.0281	1.1623	1.1452	Ave		1.1210				4.4		30.0			
Methyl Ethyl Ketone	++++ 0.4906	++++ 0.4793	0.6162 0.4448	0.5077	0.4992	Ave		0.5063				11.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 200-31171-1 Analy Batch No.: 97814
SDG No.: _____
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/02/2015 17:08 Calibration End Date: 12/02/2015 23:02 Calibration ID: 32893

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	++++ 0.0855	++++ 0.0834	++++ 0.0767	0.0865	0.0891	Ave		0.0842				5.6		30.0			
Tetrahydrofuran	++++ 0.1461	++++ 0.1465	++++ 0.1387	0.1565	0.1504	Ave		0.1476				4.4		30.0			
Chloroform	++++ 2.1306	2.1939 2.1058	2.2378 1.9719	2.2321	2.1616	Ave		2.1477				4.3		30.0			
Cyclohexane	++++ 0.2708	0.2642 0.2732	0.2735 0.2575	0.2832	0.2771	Ave		0.2714				3.1		30.0			
1,1,1-Trichloroethane	++++ 0.3997	0.3759 0.4058	0.4146 0.3885	0.4157	0.4067	Ave		0.4010				3.6		30.0			
Carbon tetrachloride	0.4583 0.4263	0.4136 0.4425	0.4161 0.4261	0.4444	0.4414	Ave		0.4336				3.6		30.0			
2,2,4-Trimethylpentane	++++ 0.8974	0.8942 0.9027	0.9230 0.8536	0.9418	0.9217	Ave		0.9049				3.1		30.0			
Benzene	++++ 0.6301	0.6653 0.6361	0.6616 0.6049	0.6613	0.6466	Ave		0.6437				3.4		30.0			
1,2-Dichloroethane	++++ 0.2272	0.2272 0.2306	0.2333 0.2242	0.2370	0.2308	Ave		0.2300				1.9		30.0			
n-Heptane	++++ 0.2812	0.2866 0.2820	0.2910 0.2671	0.2948	0.2869	Ave		0.2842				3.1		30.0			
n-Butanol	++++ 0.0925	++++ 0.0953	++++ 0.0977	0.0970	0.0974	Ave		0.0960				2.3		30.0			
Trichloroethene	0.3563 0.3013	0.3035 0.3065	0.3181 0.2956	0.3145	0.3052	Ave		0.3126				6.1		30.0			
1,2-Dichloropropane	++++ 0.2281	0.2262 0.2314	0.2324 0.2229	0.2373	0.2326	Ave		0.2301				2.1		30.0			
Methyl methacrylate	++++ 0.2329	++++ 0.2344	++++ 0.2262	0.2360	0.2355	Ave		0.2321				1.8		30.0			
1,4-Dioxane	++++ 0.1046	++++ 0.1062	++++ 0.0982	0.1210	0.1158	Ave		0.1092				8.4		30.0			
Dibromomethane	++++ 0.3265	0.3636 0.3493	0.3633 0.3299	0.3594	0.3511	Ave		0.3490				4.4		30.0			
Bromodichloromethane	++++ 0.4655	0.4227 0.4711	0.4554 0.4554	0.4760	0.4685	Ave		0.4592				3.9		30.0			
cis-1,3-Dichloropropene	++++ 0.3673	0.3429 0.3741	0.3627 0.3615	0.3775	0.3752	Ave		0.3659				3.3		30.0			
methyl isobutyl ketone	++++ 0.3718	++++ 0.3749	0.3727 0.3572	0.3472	0.3835	Ave		0.3679				3.6		30.0			
Toluene	++++ 0.5554	0.5765 0.5534	0.5695 0.5300	0.5824	0.5679	Ave		0.5622				3.1		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.: 200-31171-1 Analy Batch No.: 97814
SDG No.: _____
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/02/2015 17:08 Calibration End Date: 12/02/2015 23:02 Calibration ID: 32893

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	++++ 0.4025	0.4074 0.4015	0.4261 0.3730	0.4266	0.4149	Ave		0.4074				4.5		30.0			
trans-1,3-Dichloropropene	++++ 0.3673	0.3688 0.3747	0.3692 0.3624	0.3787	0.3746	Ave		0.3708				1.5		30.0			
1,1,2-Trichloroethane	++++ 0.2627	0.2569 0.2642	0.2634 0.2557	0.2713	0.2677	Ave		0.2631				2.1		30.0			
Tetrachloroethene	0.5901 0.5174	0.5067 0.5178	0.5417 0.4978	0.5372	0.5271	Ave		0.5295				5.4		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.3601	++++ 0.3637	0.3862 0.3575	0.3897	0.3652	Ave		0.3704				3.8		30.0			
Dibromochloromethane	++++ 0.5834	0.4813 0.5581	0.5121 0.5413	0.5656	0.5689	Ave		0.5444				6.6		30.0			
1,2-Dibromoethane	++++ 0.5205	0.4952 0.5192	0.5155 0.5049	0.5370	0.5292	Ave		0.5173				2.7		30.0			
Chlorobenzene	++++ 0.7908	0.7938 0.7890	0.8182 0.7578	0.8256	0.8059	Ave		0.7973				2.8		30.0			
Ethylbenzene	++++ 1.2160	1.1906 1.2150	1.2517 1.1697	1.2710	1.2430	Ave		1.2224				2.9		30.0			
n-Nonane	++++ 0.4962	0.4746 0.4918	0.5080 0.4657	0.5198	0.5080	Ave		0.4949				3.9		30.0			
m,p-Xylene	++++ 0.5001	0.4957 0.4960	0.5200 0.4547	0.5289	0.5148	Ave		0.5015				4.8		30.0			
Xylene, o-	++++ 0.5020	0.4887 0.4986	0.5201 0.4759	0.5243	0.5107	Ave		0.5029				3.4		30.0			
Styrene	++++ 0.7859	0.7368 0.7848	0.7690 0.7529	0.8255	0.8052	Ave		0.7800				3.9		30.0			
Bromoform	++++ 0.5481	0.3973 0.4607	0.3935 0.4439	0.4652	0.4819	Ave		0.4558				11.6		30.0			
Cumene	++++ 1.4285	1.3819 1.4253	1.4470 1.3503	1.4960	1.4567	Ave		1.4265				3.4		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.6895	0.6662 0.6672	0.6943 0.6423	0.7221	0.7063	Ave		0.6840				4.0		30.0			
n-Propylbenzene	++++ 1.6766	1.6308 1.5644	1.7021 1.5390	1.7627	1.7138	Ave		1.6556				4.9		30.0			
1,2,3-Trichloropropane	++++ 0.5148	++++ 0.5023	0.5330 0.4803	0.5416	0.5268	Ave		0.5165				4.4		30.0			
n-Decane	++++ 0.5609	++++ 0.6088	0.6320 0.4999	0.4926	0.5395	Ave		0.5556				10.2		30.0			
4-Ethyltoluene	++++ 1.3892	1.4063 0.9911	1.4641 1.0907	1.5102	1.4532	Ave		1.3293				15.3		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.: 200-31171-1 Analy Batch No.: 97814
SDG No.: _____
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/02/2015 17:08 Calibration End Date: 12/02/2015 23:02 Calibration ID: 32893

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	++++ 1.1266	1.1461 1.0788	1.1746 0.9805	1.1992	1.1660	Ave		1.1245				6.6		30.0			
1,3,5-Trimethylbenzene	++++ 1.0917	1.1469 1.0445	1.1994 1.0154	1.2585	1.2034	Ave		1.1371				7.9		30.0			
Alpha Methyl Styrene	++++ 0.5739	0.5603 0.5525	0.6025 0.5378	0.6637	0.6361	Ave		0.5896				7.9		30.0			
tert-Butylbenzene	++++ 0.9872	1.1170 1.0952	1.2054 0.9637	1.2145	1.0847	Ave		1.0954				8.8		30.0			
1,2,4-Trimethylbenzene	++++ 1.0187	1.1541 1.1817	1.2205 1.0393	1.2289	1.0443	Ave		1.1268				8.0		30.0			
sec-Butylbenzene	++++ 1.5145	1.6577 1.7014	1.7856 1.4919	1.5780	1.4456	Ave		1.5964				7.7		30.0			
4-Isopropyltoluene	++++ 1.4894	1.2645 1.4849	1.1617 1.3279	1.3195	1.4878	Ave		1.3622				9.5		30.0			
1,3-Dichlorobenzene	++++ 0.7449	0.8705 0.8103	0.8894 0.7364	0.9353	0.8689	Ave		0.8365				9.0		30.0			
1,4-Dichlorobenzene	++++ 0.7263	0.8846 0.8691	0.8950 0.7794	0.9413	0.8282	Ave		0.8463				8.7		30.0			
Benzyl chloride	++++ 0.9042	0.7474 0.9739	0.8591 0.9172	0.8222	0.7468	Ave		0.8530				10.1		30.0			
n-Butylbenzene	++++ 1.2991	1.1435 1.2605	1.0891 1.1053	1.3693	1.3776	Ave		1.2349				9.9		30.0			
n-Undecane	++++ 0.6403	++++ 0.6200	++++ 0.5520	0.6884	0.6667	Ave		0.6335				8.3		30.0			
1,2-Dichlorobenzene	++++ 0.7400	0.8361 0.8325	0.8301 0.7603	0.8369	0.6547	Ave		0.7844				8.9		30.0			
n-Dodecane	++++ 0.5253	++++ 0.5334	++++ 0.1431	0.5724	0.5586	Ave		0.4666				39.0	*	30.0			
1,2,4-Trichlorobenzene	++++ 0.6504	++++ 0.6977	0.5385 0.5643	0.7217	0.6606	Ave		0.6389				11.4		30.0			
Hexachlorobutadiene	++++ 0.6067	0.5725 0.6006	0.6118 0.4281	0.6598	0.6390	Ave		0.5884				12.9		30.0			
Naphthalene	++++ 1.3038	++++ 1.4723	1.1199 1.2006	1.5115	1.2111	Ave		1.3032				12.1		30.0			
1,2,3-Trichlorobenzene	++++ 0.5668	0.5162 0.6166	0.4919 0.3241	0.6284	0.5715	Ave		0.5308				19.5		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.: 200-31171-1 Analy Batch No.: 97814

SDG No.: _____

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

Calibration Start Date: 12/02/2015 17:08 Calibration End Date: 12/02/2015 23:02 Calibration ID: 32893

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-97814/3	17105_03.D
Level 2	IC 200-97814/4	17105_04.D
Level 3	IC 200-97814/5	17105_05.D
Level 4	IC 200-97814/6	17105_06.D
Level 5	ICIS 200-97814/7	17105_07.D
Level 6	IC 200-97814/8	17105_08.D
Level 7	IC 200-97814/9	17105_09.D
Level 8	IC 200-97814/10	17105_10.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	++++ 172300	++++ 230854	++++ 439883	60450	114988	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 867886	++++ 1177251	30054 2241195	304381	586425	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	++++ 414020	++++ 558414	14083 1080692	144288	277569	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 873255	11824 1176209	30993 2208538	307648	589634	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 236623	++++ 320703	8298 624444	82029	158488	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	++++ 381118	++++ 513678	13508 984305	131799	255663	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	857 319750	3935 431926	10802 827456	110676	214668	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	++++ 222527	2730 302584	7691 574364	77941	148800	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 305221	4278 425638	10529 844107	109046	206986	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 149666	++++ 192186	5095 393698	49154	100800	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	++++ 251763	3551 339604	8869 660886	87203	169009	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 373026	5217 508634	13021 974918	129106	250296	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 924716	12802 1263592	32003 2456109	320642	621116	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	++++ 427143	++++ 581950	15600 1123866	149072	287702	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 165428	++++ 271112	36092 653931	76035	106471	++++ 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.: 200-31171-1 Analy Batch No.: 97814

SDG No.: _____

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

Calibration Start Date: 12/02/2015 17:08 Calibration End Date: 12/02/2015 23:02 Calibration ID: 32893

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	++++ 210676	2717 287045	7228 560303	74147	142812	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	++++ 79433	++++ 124533	++++ 227171	32718	63135	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	++++ 725423	10207 976218	25453 1862102	250320	487747	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	++++ 356530	4756 478617	12095 914928	120122	238029	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	++++ 388245	++++ 496091	++++ 976735	132246	251875	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 920142	++++ 1234651	++++ 2397492	317319	616412	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	++++ 351990	++++ 489683	++++ 925683	130024	252350	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	++++ 298765	++++ 436095	++++ 816931	109938	219486	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	++++ 166193	++++ 234378	++++ 453460	59409	118352	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 306835	++++ 416914	++++ 797016	108882	209310	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 589963	++++ 814990	++++ 1569148	217753	416982	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	++++ 467866	++++ 6098 626704	15975 1207805	163257	313054	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 1006910	13055 1365120	33132 2641105	348521	673615	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	++++ 210805	++++ 283945	++++ 7101 553326	72771	142264	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	++++ 473838	6656 640573	16116 1221766	164153	318705	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	1870 618376	8014 832870	20774 1603903	211820	414600	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 719568	++++ 971615	++++ 1884178	246689	480664	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	++++ 460766	5974 621436	15722 1200444	157437	308906	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	++++ 200330	++++ 269576	8227 519394	68763	134645	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 34895	++++ 46932	++++ 89545	11710	24042	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	++++ 337280	++++ 453054	++++ 868568	119458	227464	++++ 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.: 200-31171-1 Analy Batch No.: 97814

SDG No.: _____

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

Calibration Start Date: 12/02/2015 17:08 Calibration End Date: 12/02/2015 23:02 Calibration ID: 32893

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	++++ 869916	11909 1184364	29879 2302432	302339	583069	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	++++ 625197	8187 844581	20798 1612627	216175	419088	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	++++ 922839	11647 1254744	31532 2432830	317354	614979	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	2787 984388	12813 1368101	31649 2668421	339261	667505	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	++++ 2072089	27706 2790900	70202 5344899	718949	1393883	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	++++ 1454991	20613 1966615	50315 3787907	504800	977805	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	++++ 524553	7040 712870	17743 1404113	180913	349078	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	++++ 649215	8879 871767	22129 1672627	225063	433838	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	++++ 213519	++++ 294765	++++ 611849	74074	147303	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	2167 695621	9403 947471	24196 1851177	240077	461562	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	++++ 526613	7007 715528	17679 1395468	181118	351720	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	++++ 537721	++++ 724649	17325 1416643	180138	356127	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	++++ 241515	++++ 328365	++++ 614694	92364	175088	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	++++ 753885	11265 1079884	27629 2065795	274321	531006	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	++++ 1074764	13096 1456480	34637 2851623	363320	708451	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	++++ 848027	10624 1156614	27586 2263618	288154	567384	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	++++ 858429	++++ 1158964	28347 2236516	265055	579908	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	++++ 1192144	16716 1615167	40458 3103024	414062	801037	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	++++ 929336	12623 1241399	32409 2335717	325629	627359	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	++++ 848061	11425 1158512	28077 2269536	289052	566478	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	++++ 563768	7448 771181	18715 1497315	192865	377609	++++ 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.: 200-31171-1 Analy Batch No.: 97814

SDG No.: _____

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

Calibration Start Date: 12/02/2015 17:08 Calibration End Date: 12/02/2015 23:02 Calibration ID: 32893

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	CBZ	Ave	3384 1110432	14691 1511246	38483 2914418	381901	743519	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 772948	++++ 1061509	27434 2093046	277073	515126	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	++++ 1252258	13956 1628808	36377 3169289	402125	802510	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	++++ 1117126	14359 1515307	36619 2956144	381770	746512	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	++++ 1697339	23016 2302740	58123 4436976	586968	1136840	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	++++ 2609942	34523 3546053	88923 6848857	903597	1753406	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	++++ 1064959	13762 1435248	36090 2726982	369522	716553	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	++++ 2146823	28748 2895523	73885 5324817	752068	1452518	++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	++++ 1077527	14169 1455268	36947 2786490	372724	720436	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	++++ 1686820	21365 2290469	54630 4408303	586875	1135882	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	++++ 1176376	11520 1344660	27955 2599285	330732	679792	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	++++ 3065937	40070 4159812	102794 7906359	1063557	2054864	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 1479865	19316 1947438	49327 3760763	513363	996301	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	++++ 3598476	47285 4565955	120921 9010759	1253155	2417554	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	++++ 1104972	++++ 1465958	37865 2812064	385072	743108	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	++++ 1203827	++++ 1776732	44901 2927171	350198	761115	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	++++ 2981766	40777 2892532	104010 6386351	1073648	2049958	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	++++ 2417984	33231 3148601	83443 5740659	852529	1644818	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 2343074	33256 3048456	85205 5945422	894741	1697552	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	++++ 1231685	16247 1612578	42801 3149112	471868	897348	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	++++ 2118752	32388 3196441	85636 5642843	863443	1530086	++++ 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.: 200-31171-1 Analy Batch No.: 97814

SDG No.: _____

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

Calibration Start Date: 12/02/2015 17:08 Calibration End Date: 12/02/2015 23:02 Calibration ID: 32893

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	CBZ	Ave	++++ 2186532	33464 3449061	86705 6085055	873686	1473107	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	++++ 3250547	48067 4965617	126852 8735177	1121864	2039196	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	++++ 3196703	36664 4333977	82530 7774903	938085	2098753	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	++++ 1598872	25240 2365008	63184 4311692	664954	1225712	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	++++ 1558839	25649 2536602	63585 4563438	669200	1168333	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	++++ 1940611	21671 2842326	61030 5370191	584516	1053539	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	++++ 2788292	33156 3678885	77369 6471915	973486	1943267	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	++++ 1374188	++++ 1809626	++++ 3231822	489372	940529	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	++++ 1588327	24244 2429719	58972 4451750	595015	923514	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	++++ 1127449	++++ 1556720	++++ 837930	406933	788045	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 1396073	++++ 2036276	38253 3303885	513068	931840	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	++++ 1302194	16600 1753057	43461 2506508	469069	901425	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	++++ 2798376	++++ 4297106	79556 7029873	1074594	1708433	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	++++ 1216438	++++ 1799481	14966 1897597	446728	806139	++++ 15.0	0.200 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.: 200-31171-1

SDG No.: _____

Lab Sample ID: ICV 200-97814/13 Calibration Date: 12/03/2015 01:34

Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02

Lab File ID: 17105_13.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	0.4164	0.4065		9.76	10.0	-2.4	30.0
Dichlorodifluoromethane	Ave	2.135	2.125		9.95	10.0	-0.5	30.0
Freon 22	Ave	1.014	1.011		9.97	10.0	-0.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.154	2.404		11.2	10.0	11.6	30.0
Chloromethane	Ave	0.5832	0.5603		9.61	10.0	-3.9	30.0
n-Butane	Ave	0.9370	0.9027		9.63	10.0	-3.7	30.0
Vinyl chloride	Ave	0.7772	0.7663		9.86	10.0	-1.4	30.0
1,3-Butadiene	Ave	0.5401	0.5297		9.80	10.0	-1.9	30.0
Bromomethane	Ave	0.7680	0.7824		10.2	10.0	1.9	30.0
Chloroethane	Ave	0.3606	0.3557		9.86	10.0	-1.4	30.0
Isopentane	Ave	0.6250	0.6559		10.5	10.0	4.9	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9243	0.9094		9.84	10.0	-1.6	30.0
Trichlorofluoromethane	Ave	2.291	2.241		9.78	10.0	-2.2	30.0
n-Pentane	Ave	1.063	1.144		10.8	10.0	7.6	30.0
Ethanol	Ave	0.2636	0.2142		12.2	15.0	-18.7	30.0
Ethyl ether	Ave	0.5178	0.5762		11.1	10.0	11.3	30.0
Acrolein	Ave	0.2172	0.2671		12.3	10.0	23.0	30.0
Freon TF	Ave	1.793	1.790		9.98	10.0	-0.1	30.0
1,1-Dichloroethene	Ave	0.8656	0.8542		9.87	10.0	-1.3	30.0
Acetone	Ave	0.9159	0.9266		10.1	10.0	1.2	30.0
Carbon disulfide	Ave	2.244	2.551		11.4	10.0	13.7	30.0
Isopropyl alcohol	Ave	0.8842	0.7488		8.47	10.0	-15.3	30.0
3-Chloropropene	Ave	0.8024	0.7496		9.34	10.0	-6.6	30.0
Acetonitrile	Ave	0.4179	0.4327		10.4	10.0	3.5	30.0
Methylene Chloride	Ave	0.8036	0.7470		9.29	10.0	-7.0	30.0
tert-Butyl alcohol	Ave	1.478	1.335		9.03	10.0	-9.7	30.0
Methyl tert-butyl ether	Ave	2.445	2.464		10.1	10.0	0.8	30.0
trans-1,2-Dichloroethene	Ave	1.140	1.201		10.5	10.0	5.4	30.0
Acrylonitrile	Ave	0.5153	0.5333		10.3	10.0	3.5	30.0
n-Hexane	Ave	1.167	1.235		10.6	10.0	5.8	30.0
1,1-Dichloroethane	Ave	1.534	1.509		9.83	10.0	-1.6	30.0
Vinyl acetate	Ave	1.741	1.747		10.0	10.0	0.3	30.0
cis-1,2-Dichloroethene	Ave	1.121	1.114		9.93	10.0	-0.7	30.0
Methyl Ethyl Ketone	Ave	0.5063	0.4900		9.68	10.0	-3.2	30.0
Ethyl acetate	Ave	0.0842	0.0925		11.0	10.0	9.8	30.0
Tetrahydrofuran	Ave	0.1476	0.1455		9.85	10.0	-1.4	30.0
Chloroform	Ave	2.148	2.142		9.97	10.0	-0.2	30.0
Cyclohexane	Ave	0.2714	0.2761		10.2	10.0	1.8	30.0
1,1,1-Trichloroethane	Ave	0.4010	0.4040		10.1	10.0	0.7	30.0
Carbon tetrachloride	Ave	0.4336	0.4394		10.1	10.0	1.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31171-1
 SDG No.: _____
 Lab Sample ID: ICV 200-97814/13 Calibration Date: 12/03/2015 01:34
 Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02
 Lab File ID: 17105_13.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	0.9049	0.8875		9.81	10.0	-1.9	30.0
Benzene	Ave	0.6437	0.6387		9.92	10.0	-0.8	30.0
1,2-Dichloroethane	Ave	0.2300	0.2279		9.90	10.0	-0.9	30.0
n-Heptane	Ave	0.2842	0.2758		9.70	10.0	-3.0	30.0
n-Butanol	Ave	0.0960	0.0901		9.39	10.0	-6.1	30.0
Trichloroethene	Ave	0.3126	0.3045		9.74	10.0	-2.6	30.0
1,2-Dichloropropane	Ave	0.2301	0.2224		9.66	10.0	-3.4	30.0
Methyl methacrylate	Ave	0.2321	0.2327		10.0	10.0	0.2	30.0
1,4-Dioxane	Ave	0.1092	0.0976		8.94	10.0	-10.6	30.0
Dibromomethane	Ave	0.3490	0.3408		9.76	10.0	-2.4	30.0
Bromodichloromethane	Ave	0.4592	0.4519		9.84	10.0	-1.6	30.0
cis-1,3-Dichloropropene	Ave	0.3659	0.3662		10.0	10.0	0.0	30.0
methyl isobutyl ketone	Ave	0.3679	0.3581		9.73	10.0	-2.7	30.0
Toluene	Ave	0.5622	0.5610		9.98	10.0	-0.2	30.0
n-Octane	Ave	0.4074	0.3987		9.78	10.0	-2.2	30.0
trans-1,3-Dichloropropene	Ave	0.3708	0.3669		9.89	10.0	-1.1	30.0
1,1,2-Trichloroethane	Ave	0.2631	0.2647		10.1	10.0	0.6	30.0
Tetrachloroethene	Ave	0.5295	0.5252		9.92	10.0	-0.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3704	0.3515		9.49	10.0	-5.1	30.0
Dibromochloromethane	Ave	0.5444	0.5217		9.58	10.0	-4.2	30.0
1,2-Dibromoethane	Ave	0.5173	0.5240		10.1	10.0	1.3	30.0
Chlorobenzene	Ave	0.7973	0.7929		9.94	10.0	-0.6	30.0
Ethylbenzene	Ave	1.222	1.216		9.94	10.0	-0.6	30.0
n-Nonane	Ave	0.4949	0.4872		9.84	10.0	-1.5	30.0
m,p-Xylene	Ave	0.5015	0.4984		19.9	20.0	-0.6	30.0
Xylene, o-	Ave	0.5029	0.4921		9.78	10.0	-2.1	30.0
Styrene	Ave	0.7800	0.7767		9.96	10.0	-0.4	30.0
Bromoform	Ave	0.4558	0.4025		8.83	10.0	-11.7	30.0
Cumene	Ave	1.427	1.404		9.84	10.0	-1.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6840	0.6911		10.1	10.0	1.0	30.0
n-Propylbenzene	Ave	1.656	1.648		9.95	10.0	-0.5	30.0
1,2,3-Trichloropropane	Ave	0.5165	0.5029		9.74	10.0	-2.6	30.0
n-Decane	Ave	0.5556	0.5293		9.52	10.0	-4.7	30.0
4-Ethyltoluene	Ave	1.329	1.432		10.8	10.0	7.8	30.0
2-Chlorotoluene	Ave	1.125	1.123		9.99	10.0	-0.1	30.0
1,3,5-Trimethylbenzene	Ave	1.137	1.196		10.5	10.0	5.2	30.0
Alpha Methyl Styrene	Ave	0.5896	0.6368		10.8	10.0	8.0	30.0
tert-Butylbenzene	Ave	1.095	1.157		10.6	10.0	5.7	30.0
1,2,4-Trimethylbenzene	Ave	1.127	1.188		10.5	10.0	5.4	30.0
sec-Butylbenzene	Ave	1.596	1.695		10.6	10.0	6.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31171-1
 SDG No.: _____
 Lab Sample ID: ICV 200-97814/13 Calibration Date: 12/03/2015 01:34
 Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02
 Lab File ID: 17105_13.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	1.362	0.9783		7.18	10.0	-28.2	30.0
1,3-Dichlorobenzene	Ave	0.8365	0.8788		10.5	10.0	5.0	30.0
1,4-Dichlorobenzene	Ave	0.8463	0.8813		10.4	10.0	4.1	30.0
Benzyl chloride	Ave	0.8530	0.8702		10.2	10.0	2.0	30.0
n-Butylbenzene	Ave	1.235	1.055		8.54	10.0	-14.6	30.0
n-Undecane	Ave	0.6335	0.6218		9.81	10.0	-1.8	30.0
1,2-Dichlorobenzene	Ave	0.7844	0.8364		10.7	10.0	6.6	30.0
n-Dodecane	Ave	0.4666	0.4988		10.7	10.0	6.9	30.0
1,2,4-Trichlorobenzene	Ave	0.6389	0.6464		10.1	10.0	1.2	30.0
Hexachlorobutadiene	Ave	0.5884	0.6179		10.5	10.0	5.0	30.0
Naphthalene	Ave	1.303	1.232		9.45	10.0	-5.5	30.0
1,2,3-Trichlorobenzene	Ave	0.5308	0.5461		10.2	10.0	2.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31171-1

SDG No.: _____

Lab Sample ID: CCVIS 200-98485/3 Calibration Date: 12/16/2015 10:03

Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02

Lab File ID: 17334_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4164	0.3513		8.44	10.0	-15.6	30.0
Dichlorodifluoromethane	Ave	2.135	2.047		9.58	10.0	-4.1	30.0
Freon 22	Ave	1.014	0.8953		8.83	10.0	-11.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.154	2.259		10.5	10.0	4.9	30.0
Chloromethane	Ave	0.5832	0.4825		8.27	10.0	-17.3	30.0
n-Butane	Ave	0.9370	0.7617		8.13	10.0	-18.7	30.0
Vinyl chloride	Ave	0.7772	0.6868		8.83	10.0	-11.6	30.0
1,3-Butadiene	Ave	0.5401	0.4479		8.29	10.0	-17.1	30.0
Bromomethane	Ave	0.7680	0.7441		9.69	10.0	-3.1	30.0
Chloroethane	Ave	0.3606	0.3081		8.54	10.0	-14.6	30.0
Isopentane	Ave	0.6250	0.5121		8.19	10.0	-18.1	30.0
Bromoethene (Vinyl Bromide)	Ave	0.9243	0.8911		9.64	10.0	-3.6	30.0
Trichlorofluoromethane	Ave	2.291	2.162		9.43	10.0	-5.6	30.0
n-Pentane	Ave	1.063	0.9357		8.80	10.0	-12.0	30.0
Ethanol	Ave	0.2636	0.1983		11.3	15.0	-24.8	30.0
Ethyl ether	Ave	0.5178	0.4964		9.58	10.0	-4.1	30.0
Freon TF	Ave	1.793	1.743		9.72	10.0	-2.8	30.0
Acrolein	Ave	0.2172	0.2312		10.6	10.0	6.4	30.0
1,1-Dichloroethene	Ave	0.8656	0.8134		9.40	10.0	-6.0	30.0
Acetone	Ave	0.9159	0.7664		8.37	10.0	-16.3	30.0
Carbon disulfide	Ave	2.244	2.365		10.5	10.0	5.4	30.0
Isopropyl alcohol	Ave	0.8842	0.6630		7.50	10.0	-25.0	30.0
3-Chloropropene	Ave	0.8024	0.5955		7.42	10.0	-25.8	30.0
Acetonitrile	Ave	0.4179	0.3567		8.53	10.0	-14.7	30.0
Methylene Chloride	Ave	0.8036	0.6451		8.03	10.0	-19.7	30.0
tert-Butyl alcohol	Ave	1.478	1.246		8.43	10.0	-15.7	30.0
Methyl tert-butyl ether	Ave	2.445	2.249		9.20	10.0	-8.0	30.0
trans-1,2-Dichloroethene	Ave	1.140	1.079		9.46	10.0	-5.3	30.0
Acrylonitrile	Ave	0.5153	0.4462		8.66	10.0	-13.4	30.0
n-Hexane	Ave	1.167	1.080		9.25	10.0	-7.5	30.0
1,1-Dichloroethane	Ave	1.534	1.381		9.00	10.0	-10.0	30.0
Vinyl acetate	Ave	1.741	1.436		8.25	10.0	-17.5	30.0
cis-1,2-Dichloroethene	Ave	1.121	1.093		9.75	10.0	-2.5	30.0
Methyl Ethyl Ketone	Ave	0.5063	0.4642		9.17	10.0	-8.3	30.0
Ethyl acetate	Ave	0.0842	0.0898		10.7	10.0	6.6	30.0
Tetrahydrofuran	Ave	0.1476	0.1327		8.98	10.0	-10.2	30.0
Chloroform	Ave	2.148	2.087		9.72	10.0	-2.8	30.0
Cyclohexane	Ave	0.2714	0.2744		10.1	10.0	1.1	30.0
1,1,1-Trichloroethane	Ave	0.4010	0.4002		9.98	10.0	-0.2	30.0
Carbon tetrachloride	Ave	0.4336	0.4421		10.2	10.0	2.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31171-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-98485/3 Calibration Date: 12/16/2015 10:03
 Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02
 Lab File ID: 17334_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.9049	0.8622		9.53	10.0	-4.7	30.0
Benzene	Ave	0.6437	0.6339		9.85	10.0	-1.5	30.0
1,2-Dichloroethane	Ave	0.2300	0.2217		9.63	10.0	-3.7	30.0
n-Heptane	Ave	0.2842	0.2601		9.15	10.0	-8.5	30.0
n-Butanol	Ave	0.0960	0.0805		8.38	10.0	-16.2	30.0
Trichloroethene	Ave	0.3126	0.3104		9.93	10.0	-0.7	30.0
1,2-Dichloropropane	Ave	0.2301	0.2254		9.79	10.0	-2.1	30.0
Methyl methacrylate	Ave	0.2321	0.2291		9.87	10.0	-1.3	30.0
1,4-Dioxane	Ave	0.1092	0.1097		10.1	10.0	0.5	30.0
Dibromomethane	Ave	0.3490	0.3642		10.4	10.0	4.3	30.0
Bromodichloromethane	Ave	0.4592	0.4445		9.68	10.0	-3.2	30.0
cis-1,3-Dichloropropene	Ave	0.3659	0.3715		10.2	10.0	1.5	30.0
methyl isobutyl ketone	Ave	0.3679	0.3241		8.81	10.0	-11.9	30.0
Toluene	Ave	0.5622	0.5619		9.99	10.0	-0.0	30.0
n-Octane	Ave	0.4074	0.3805		9.34	10.0	-6.6	30.0
trans-1,3-Dichloropropene	Ave	0.3708	0.3686		9.94	10.0	-0.6	30.0
1,1,2-Trichloroethane	Ave	0.2631	0.2673		10.2	10.0	1.6	30.0
Tetrachloroethene	Ave	0.5295	0.5445		10.3	10.0	2.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3704	0.3318		8.96	10.0	-10.4	30.0
Dibromochloromethane	Ave	0.5444	0.5074		9.32	10.0	-6.8	30.0
1,2-Dibromoethane	Ave	0.5173	0.5324		10.3	10.0	2.9	30.0
Chlorobenzene	Ave	0.7973	0.8136		10.2	10.0	2.0	30.0
Ethylbenzene	Ave	1.222	1.211		9.90	10.0	-1.0	30.0
n-Nonane	Ave	0.4949	0.4710		9.52	10.0	-4.8	30.0
m,p-Xylene	Ave	0.5015	0.5057		20.2	20.0	0.8	30.0
Xylene, o-	Ave	0.5029	0.4954		9.85	10.0	-1.5	30.0
Styrene	Ave	0.7800	0.7675		9.84	10.0	-1.6	30.0
Bromoform	Ave	0.4558	0.3550		7.79	10.0	-22.1	30.0
Cumene	Ave	1.427	1.406		9.86	10.0	-1.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6840	0.6999		10.2	10.0	2.3	30.0
n-Propylbenzene	Ave	1.656	1.650		9.96	10.0	-0.4	30.0
1,2,3-Trichloropropane	Ave	0.5165	0.5083		9.84	10.0	-1.6	30.0
n-Decane	Ave	0.5556	0.5961		10.7	10.0	7.3	30.0
4-Ethyltoluene	Ave	1.329	1.345		10.1	10.0	1.2	30.0
2-Chlorotoluene	Ave	1.125	1.111		9.88	10.0	-1.2	30.0
1,3,5-Trimethylbenzene	Ave	1.137	0.9330		8.20	10.0	-18.0	30.0
Alpha Methyl Styrene	Ave	0.5896	0.4999		8.48	10.0	-15.2	30.0
tert-Butylbenzene	Ave	1.095	1.051		9.59	10.0	-4.1	30.0
1,2,4-Trimethylbenzene	Ave	1.127	1.142		10.1	10.0	1.4	30.0
sec-Butylbenzene	Ave	1.596	1.707		10.7	10.0	6.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31171-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-98485/3 Calibration Date: 12/16/2015 10:03
 Instrument ID: CHX.i Calib Start Date: 12/02/2015 17:08
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 12/02/2015 23:02
 Lab File ID: 17334_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.362	1.518		11.1	10.0	11.5	30.0
1,3-Dichlorobenzene	Ave	0.8365	0.7682		9.18	10.0	-8.2	30.0
1,4-Dichlorobenzene	Ave	0.8463	0.8451		9.98	10.0	-0.1	30.0
Benzyl chloride	Ave	0.8530	0.8128		9.53	10.0	-4.7	30.0
n-Butylbenzene	Ave	1.235	1.297		10.5	10.0	5.0	30.0
n-Undecane	Ave	0.6335	0.6192		9.77	10.0	-2.3	30.0
1,2-Dichlorobenzene	Ave	0.7844	0.8674		11.1	10.0	10.6	30.0
n-Dodecane	Ave	0.4666	0.4180		8.96	10.0	-10.4	30.0
1,2,4-Trichlorobenzene	Ave	0.6389	0.7041		11.0	10.0	10.2	30.0
Hexachlorobutadiene	Ave	0.5884	0.6483		11.0	10.0	10.2	30.0
Naphthalene	Ave	1.303	1.356		10.4	10.0	4.1	30.0
1,2,3-Trichlorobenzene	Ave	0.5308	0.5850		11.0	10.0	10.2	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-31171-1

SDG No.: _____

Instrument ID: CHX.i Start Date: 12/02/2015 15:20Analysis Batch Number: 97814 End Date: 12/03/2015 02:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-97814/1		12/02/2015 15:20	1	17105_01.D	RTX-624 0.32 (mm)
IC 200-97814/3		12/02/2015 17:08	1	17105_03.D	RTX-624 0.32 (mm)
IC 200-97814/4		12/02/2015 17:58	1	17105_04.D	RTX-624 0.32 (mm)
IC 200-97814/5		12/02/2015 18:49	1	17105_05.D	RTX-624 0.32 (mm)
IC 200-97814/6		12/02/2015 19:39	1	17105_06.D	RTX-624 0.32 (mm)
ICIS 200-97814/7		12/02/2015 20:30	1	17105_07.D	RTX-624 0.32 (mm)
IC 200-97814/8		12/02/2015 21:21	1	17105_08.D	RTX-624 0.32 (mm)
IC 200-97814/9		12/02/2015 22:12	1	17105_09.D	RTX-624 0.32 (mm)
IC 200-97814/10		12/02/2015 23:02	1	17105_10.D	RTX-624 0.32 (mm)
ICV 200-97814/13		12/03/2015 01:34	1	17105_13.D	RTX-624 0.32 (mm)
ZZZZZ		12/03/2015 02:24	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-31171-1

SDG No.: _____

Instrument ID: CHX.iStart Date: 12/16/2015 08:11Analysis Batch Number: 98485End Date: 12/17/2015 07:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-98485/1		12/16/2015 08:11	1	17334_01.D	RTX-624 0.32 (mm)
CCVIS 200-98485/2		12/16/2015 09:14	1		RTX-624 0.32 (mm)
CCVIS 200-98485/3		12/16/2015 10:03	1	17334_03.D	RTX-624 0.32 (mm)
LCS 200-98485/4		12/16/2015 10:54	1	17334_04.D	RTX-624 0.32 (mm)
MB 200-98485/5		12/16/2015 11:44	1	17334_05.D	RTX-624 0.32 (mm)
ZZZZZ		12/16/2015 12:49	0.2		RTX-624 0.32 (mm)
ZZZZZ		12/16/2015 13:46	0.2		RTX-624 0.32 (mm)
200-31171-4	3760	12/16/2015 14:42	0.2	17334_08.D	RTX-624 0.32 (mm)
ZZZZZ		12/16/2015 15:33	1000		RTX-624 0.32 (mm)
ZZZZZ		12/16/2015 16:23	1		RTX-624 0.32 (mm)
ZZZZZ		12/16/2015 17:13	1.21		RTX-624 0.32 (mm)
ZZZZZ		12/16/2015 18:10	0.2		RTX-624 0.32 (mm)
ZZZZZ		12/16/2015 19:07	0.2		RTX-624 0.32 (mm)
ZZZZZ		12/16/2015 20:03	0.2		RTX-624 0.32 (mm)
ZZZZZ		12/16/2015 20:54	34.2		RTX-624 0.32 (mm)
ZZZZZ		12/16/2015 21:45	2.99		RTX-624 0.32 (mm)
ZZZZZ		12/16/2015 22:35	1		RTX-624 0.32 (mm)
ZZZZZ		12/16/2015 23:26	1		RTX-624 0.32 (mm)
ZZZZZ		12/17/2015 00:16	38.3		RTX-624 0.32 (mm)
ZZZZZ		12/17/2015 01:07	1		RTX-624 0.32 (mm)
ZZZZZ		12/17/2015 01:57	1		RTX-624 0.32 (mm)
ZZZZZ		12/17/2015 02:48	1		RTX-624 0.32 (mm)
ZZZZZ		12/17/2015 03:45	0.2		RTX-624 0.32 (mm)
ZZZZZ		12/17/2015 07:39	0.2		RTX-624 0.32 (mm)

Shipping and Receiving Documents

Report to:				Invoice to:				ANALYSIS REQUESTED				Lab Use Only			
Company: <u>AECOM</u>				Company: _____								Due Date: _____			
Address: <u>257 West Genesee</u>				Address: <u>SAME</u>								Temp. of coolers when received (C°):			
Contact: <u>Dino Zuck</u>				Contact: _____								1 2 3 4 5			
Phone: <u>716-866-8222</u>				Phone: _____								Custody Seal N / Y			
Fax: <u>dno.zuck@aec.com</u>				Fax: _____								Intact N / Y			
Contract/Quote: <u>Project # 60314190</u>												Screened For Radioactivity ☐			
Proj. No. <u>60314190</u>				Project Name <u>Scott Aviation</u>				No/Type of Containers ²				Lab/Sample ID (Lab Use Only)			
Matrix ¹ <u>Air</u>				Identifying Marks of Sample(s) <u>AS Effluent 1Q16</u>				VOA				A/G 1 Lt.			
Date <u>11/5/10</u>				Time <u>1000</u>				250 ml				P/O			
Relinquished by: (Signature) <u>Dino Zuck</u>				Received by: (Signature) <u>[Signature]</u>				Date <u>11/8/16</u>				Time <u>1015</u>			
Relinquished by: (Signature)				Received by: (Signature)				Date				Time			
Relinquished by: (Signature)				Received by: (Signature)				Date				Time			
Matrix <u>WW</u> - Wastewater				W - Water				S - Soil				SL - Sludge			
Container <u>VOA</u> - 40 ml Vial				A/G - Amber / Or Glass 1 Liter				L - Liquid 250 ml - Glass wide mouth				C - Charcoal Tube P/O - Plastic or other			
								A - Air Bag				O - Oil			

Remarks: No CDC or Custody Seals Included with Summa Canister
Call w/ questions - Dino 716-866-8222
Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

200-31474 Chain of Custody

STL cannot accept verbal changes.
Please Fax written changes to (802) 655-1248

ORIGIN ID:DKKA (716) 691-2600
CHAR BRONSON
TEST AMERICA
10 HAZELWOOD

AMHERST, NY 14228
UNITED STATES US

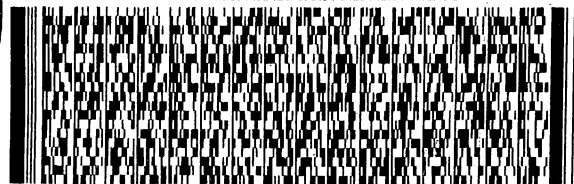
SHIP DATE: 07JAN16
ACTWGT: 6.9 LB
CAD: 846654/CAFE2912

BILL RECIPIENT

0 **SAMPLE MGT.**
TA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 660-1990
DEPT: SAMPLE CONTROL

REF: BURLINGTON



FedEx
Express



53R1/DFG1/32R

TRK# 5657 0119 6223
0201

FRI - 08 JAN 3:00P
STANDARD OVERNIGHT

NB BTVA

05403
VT-US BTV

Part # 156148V-434 RIT2-08/15



Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 200-31474-1

Login Number: 31474

List Number: 1

Creator: Asselin, Sarah E

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	41775
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	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	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	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	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 200-31474-1

Login Number: 31474

List Source: TestAmerica Burlington

List Number: 2

Creator: Asselin, Sarah E

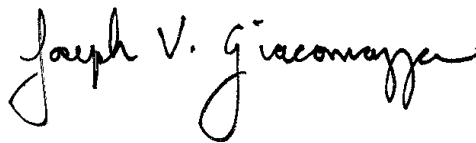
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background		
The cooler's custody seal, if present, is intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the sample IDs on the containers and the COC.		
Samples are received within Holding Time.		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.		
If necessary, staff have been informed of any short hold time or quick TAT needs		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Sampling Company provided.		
Samples received within 48 hours of sampling.		
Samples requiring field filtration have been filtered in the field.		
Chlorine Residual checked.		

ANALYTICAL REPORT

Job Number: 480-93630-1

Job Description: Scott Aviation site

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



Approved for release.
Joe V Giacomazza
Project Management Assistant II
1/15/2016 10:55 AM

Designee for
Brian J Fischer, Manager of Project Management
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9835
brian.fischer@testamericainc.com
01/15/2016

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TestAmerica Laboratories, Inc.

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Job Narrative
480-93630-1

Receipt

The samples were received on 1/7/2016 4:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3° C.

Receipt Exceptions

Received sample point A1-GP02-s not listed on COC. It is the last sample point on the login.

GC/MS VOA

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-4 (480-93630-3), MW-16S (480-93630-8), MW-8R (480-93630-13), A1-GP02-S (480-93630-17), (480-93630-A-3 MS) and (480-93630-A-3 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: MW-16S (480-93630-8) and A1-GP02-S (480-93630-17).

Method(s) 8260C: The following samples was diluted to bring the concentration of target analytes within the calibration range: MW-16D (480-93630-11) and MW-13S (480-93630-12). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-283295 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated sample was non-detect for this analyte, the data have been reported. MW-13D (480-93630-14).

Method(s) 8260C: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: MW-13D (480-93630-14), (480-93630-C-14 MS) and (480-93630-C-14 MSD).

Method(s) 8260C: The following samples was diluted to bring the concentration of target analytes within the calibration range: MW-13D (480-93630-14), (480-93630-C-14 MS) and (480-93630-C-14 MSD). Elevated reporting limits (RLs) are provided.

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

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 480-93630-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-93630-1	MW-2	Ground Water	01/05/2016 1540	01/07/2016 1600
480-93630-2	MW-3	Ground Water	01/06/2016 1145	01/07/2016 1600
480-93630-3	MW-4	Ground Water	01/06/2016 1310	01/07/2016 1600
480-93630-4	MW-6	Ground Water	01/06/2016 0920	01/07/2016 1600
480-93630-5	MW-10	Ground Water	01/06/2016 1008	01/07/2016 1600
480-93630-6	MW-11	Ground Water	01/05/2016 1635	01/07/2016 1600
480-93630-7	MW-12	Ground Water	01/06/2016 1100	01/07/2016 1600
480-93630-8	MW-16S	Ground Water	01/06/2016 1508	01/07/2016 1600
480-93630-9FD	Duplicate	Water	01/06/2016 0700	01/07/2016 1600
480-93630-10RB	Rinse Blank	Water	01/06/2016 0800	01/07/2016 1600
480-93630-11	MW-16D	Ground Water	01/06/2016 1502	01/07/2016 1600
480-93630-12	MW-13S	Ground Water	01/06/2016 1413	01/07/2016 1600
480-93630-13	MW-8R	Ground Water	01/06/2016 1225	01/07/2016 1600
480-93630-14	MW-13D	Ground Water	01/06/2016 1345	01/07/2016 1600
480-93630-15	GWTC	Water	01/06/2016 0940	01/07/2016 1600
480-93630-16TB	Trip Blank	Water	01/05/2016 0800	01/07/2016 1600
480-93630-17	A1-GP02-S	Water	01/07/2016 1445	01/07/2016 1600

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-93630-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-93630-1	MW-2					
Acetone		5.6	J	10	ug/L	8260C
Chloroethane		0.55	J	1.0	ug/L	8260C
480-93630-2	MW-3					
1,1-Dichloroethane		9.5		1.0	ug/L	8260C
Chloroethane		0.83	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		3.0		1.0	ug/L	8260C
Vinyl chloride		4.2		1.0	ug/L	8260C
480-93630-3	MW-4					
1,1-Dichloroethane		270		100	ug/L	8260C
Chloroethane		41	J	100	ug/L	8260C
cis-1,2-Dichloroethene		100		100	ug/L	8260C
Vinyl chloride		6800	F1	100	ug/L	8260C
480-93630-6	MW-11					
1,1-Dichloroethane		2.9		1.0	ug/L	8260C
1,1-Dichloroethene		0.34	J	1.0	ug/L	8260C
Chloroethane		0.89	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		10		1.0	ug/L	8260C
Vinyl chloride		3.6		1.0	ug/L	8260C
480-93630-7	MW-12					
Acetone		3.6	J	10	ug/L	8260C
Benzene		0.62	J	1.0	ug/L	8260C
Chloroethane		9.0		1.0	ug/L	8260C
Vinyl chloride		1.5		1.0	ug/L	8260C
480-93630-8	MW-16S					
1,1-Dichloroethane		2500	J	4000	ug/L	8260C
1,1-Dichloroethene		1500	J	4000	ug/L	8260C
cis-1,2-Dichloroethene		290000		4000	ug/L	8260C
Vinyl chloride		76000		4000	ug/L	8260C

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-93630-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-93630-11	MW-16D					
1,1-Dichloroethane		2.9	J	5.0	ug/L	8260C
2-Butanone (MEK)		70		50	ug/L	8260C
Acetone		84		50	ug/L	8260C
Chloroethane		140		5.0	ug/L	8260C
Vinyl chloride		61		5.0	ug/L	8260C
480-93630-12	MW-13S					
1,1-Dichloroethane		70		25	ug/L	8260C
1,1-Dichloroethene		9.1	J	25	ug/L	8260C
2-Butanone (MEK)		160	J	250	ug/L	8260C
Acetone		120	J	250	ug/L	8260C
Chloroethane		38		25	ug/L	8260C
cis-1,2-Dichloroethene		150		25	ug/L	8260C
Trichloroethene		41		25	ug/L	8260C
Vinyl chloride		1600		25	ug/L	8260C
480-93630-13	MW-8R					
cis-1,2-Dichloroethene		21000		1000	ug/L	8260C
Vinyl chloride		12000		1000	ug/L	8260C
480-93630-14	MW-13D					
1,1-Dichloroethane		12		10	ug/L	8260C
2-Butanone (MEK)		1100		100	ug/L	8260C
Acetone		230		100	ug/L	8260C
Chloroethane		38		10	ug/L	8260C
cis-1,2-Dichloroethene		15		10	ug/L	8260C
Vinyl chloride		47		10	ug/L	8260C
480-93630-15	GWTC					
Chloroethane		62		1.0	ug/L	8260C
Toluene		0.99	J	1.0	ug/L	8260C
480-93630-17	A1-GP02-S					
cis-1,2-Dichloroethene		29000		500	ug/L	8260C
Trichloroethene		330	J	500	ug/L	8260C
Vinyl chloride		770		500	ug/L	8260C

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 480-93630-1

Description	Lab Location	Method	Preparation Method
Matrix: Ground Water			
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Purge and Trap	TAL BUF		SW846 5030C
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Purge and Trap	TAL BUF		SW846 5030C

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

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

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 480-93630-1

Method	Analyst	Analyst ID
SW846 8260C	Fortain, Gerald V	GVF
SW846 8260C	Goliszek, Gregory T	GTG

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-2

Lab Sample ID: 480-93630-1
Client Matrix: Ground Water

Date Sampled: 01/05/2016 1540
Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4010.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1402			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1402				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	5.6	J	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	0.55	J	0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		1.3	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-2

Lab Sample ID: 480-93630-1
Client Matrix: Ground Water

Date Sampled: 01/05/2016 1540
Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4010.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1402			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1402				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120		66 - 137
4-Bromofluorobenzene (Surr)	104		73 - 120
Toluene-d8 (Surr)	107		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-3

Lab Sample ID: 480-93630-2
Client Matrix: Ground Water

Date Sampled: 01/06/2016 1145
Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4011.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1426			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1426				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	9.5		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	0.83	J	0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	3.0		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		1.3	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-3

Lab Sample ID: 480-93630-2

Client Matrix: Ground Water

Date Sampled: 01/06/2016 1145

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4011.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1426			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1426				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	4.2		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	106		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-4Lab Sample ID: 480-93630-3
Client Matrix: Ground WaterDate Sampled: 01/06/2016 1310
Date Received: 01/07/2016 1600**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4012.D
Dilution:	100			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1450			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1450				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		82	100
1,1,2,2-Tetrachloroethane	ND		21	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		31	100
1,1,2-Trichloroethane	ND		23	100
1,1-Dichloroethane	270		38	100
1,1-Dichloroethene	ND		29	100
1,2,4-Trichlorobenzene	ND		41	100
1,2-Dibromo-3-Chloropropane	ND		39	100
1,2-Dibromoethane	ND		73	100
1,2-Dichlorobenzene	ND		79	100
1,2-Dichloroethane	ND		21	100
1,2-Dichloropropane	ND		72	100
1,3-Dichlorobenzene	ND		78	100
1,4-Dichlorobenzene	ND		84	100
2-Butanone (MEK)	ND		130	1000
2-Hexanone	ND		120	500
4-Methyl-2-pentanone (MIBK)	ND		210	500
Acetone	ND		300	1000
Benzene	ND		41	100
Bromodichloromethane	ND		39	100
Bromoform	ND		26	100
Bromomethane	ND		69	100
Carbon disulfide	ND		19	100
Carbon tetrachloride	ND		27	100
Chlorobenzene	ND		75	100
Chloroethane	41	J	32	100
Chloroform	ND		34	100
Chloromethane	ND		35	100
cis-1,2-Dichloroethene	100		81	100
cis-1,3-Dichloropropene	ND		36	100
Cyclohexane	ND		18	100
Dibromochloromethane	ND		32	100
Dichlorodifluoromethane	ND		68	100
Ethylbenzene	ND		74	100
Isopropylbenzene	ND		79	100
Methyl acetate	ND		130	250
Methyl tert-butyl ether	ND		16	100
Methylcyclohexane	ND		16	100
Methylene Chloride	ND		44	100
Styrene	ND		73	100
Tetrachloroethene	ND		36	100
Toluene	ND		51	100
trans-1,2-Dichloroethene	ND		90	100
trans-1,3-Dichloropropene	ND		37	100
Trichloroethene	ND		46	100
Trichlorofluoromethane	ND		88	100

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-4

Lab Sample ID: 480-93630-3

Client Matrix: Ground Water

Date Sampled: 01/06/2016 1310

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4012.D
Dilution:	100			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1450			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1450				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	6800	F1	90	100
Xylenes, Total	ND		66	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121		66 - 137
4-Bromofluorobenzene (Surr)	105		73 - 120
Toluene-d8 (Surr)	105		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-6Lab Sample ID: 480-93630-4
Client Matrix: Ground WaterDate Sampled: 01/06/2016 0920
Date Received: 01/07/2016 1600**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4013.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1514			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1514				

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

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-6

Lab Sample ID: 480-93630-4
Client Matrix: Ground Water

Date Sampled: 01/06/2016 0920
Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4013.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1514			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1514				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120		66 - 137
4-Bromofluorobenzene (Surr)	104		73 - 120
Toluene-d8 (Surr)	107		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-10Lab Sample ID: 480-93630-5
Client Matrix: Ground WaterDate Sampled: 01/06/2016 1008
Date Received: 01/07/2016 1600**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4014.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1538			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1538				

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

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-10

Lab Sample ID: 480-93630-5
Client Matrix: Ground Water

Date Sampled: 01/06/2016 1008
Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4014.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1538			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1538				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	107		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-11

Lab Sample ID: 480-93630-6
Client Matrix: Ground Water

Date Sampled: 01/05/2016 1635
Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4015.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1602			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1602				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	2.9		0.38	1.0
1,1-Dichloroethene	0.34	J	0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	0.89	J	0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	10		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		1.3	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-11

Lab Sample ID: 480-93630-6
Client Matrix: Ground Water

Date Sampled: 01/05/2016 1635
Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4015.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1602			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1602				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	3.6		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121		66 - 137
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	106		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-12

Lab Sample ID: 480-93630-7
Client Matrix: Ground Water

Date Sampled: 01/06/2016 1100
Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4016.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1627			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1627				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	3.6	J	3.0	10
Benzene	0.62	J	0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	9.0		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		1.3	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-12

Lab Sample ID: 480-93630-7
Client Matrix: Ground Water

Date Sampled: 01/06/2016 1100
Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4016.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1627			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1627				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	1.5		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		66 - 137
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	107		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-16S

Lab Sample ID: 480-93630-8
Client Matrix: Ground Water

Date Sampled: 01/06/2016 1508
Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4017.D
Dilution:	4000			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1650			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1650				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		3300	4000
1,1,2,2-Tetrachloroethane	ND		840	4000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1200	4000
1,1,2-Trichloroethane	ND		920	4000
1,1-Dichloroethane	2500	J	1500	4000
1,1-Dichloroethene	1500	J	1200	4000
1,2,4-Trichlorobenzene	ND		1600	4000
1,2-Dibromo-3-Chloropropane	ND		1600	4000
1,2-Dibromoethane	ND		2900	4000
1,2-Dichlorobenzene	ND		3200	4000
1,2-Dichloroethane	ND		840	4000
1,2-Dichloropropane	ND		2900	4000
1,3-Dichlorobenzene	ND		3100	4000
1,4-Dichlorobenzene	ND		3400	4000
2-Butanone (MEK)	ND		5300	40000
2-Hexanone	ND		5000	20000
4-Methyl-2-pentanone (MIBK)	ND		8400	20000
Acetone	ND		12000	40000
Benzene	ND		1600	4000
Bromodichloromethane	ND		1600	4000
Bromoform	ND		1000	4000
Bromomethane	ND		2800	4000
Carbon disulfide	ND		760	4000
Carbon tetrachloride	ND		1100	4000
Chlorobenzene	ND		3000	4000
Chloroethane	ND		1300	4000
Chloroform	ND		1400	4000
Chloromethane	ND		1400	4000
cis-1,2-Dichloroethene	290000		3200	4000
cis-1,3-Dichloropropene	ND		1400	4000
Cyclohexane	ND		720	4000
Dibromochloromethane	ND		1300	4000
Dichlorodifluoromethane	ND		2700	4000
Ethylbenzene	ND		3000	4000
Isopropylbenzene	ND		3200	4000
Methyl acetate	ND		5200	10000
Methyl tert-butyl ether	ND		640	4000
Methylcyclohexane	ND		640	4000
Methylene Chloride	ND		1800	4000
Styrene	ND		2900	4000
Tetrachloroethene	ND		1400	4000
Toluene	ND		2000	4000
trans-1,2-Dichloroethene	ND		3600	4000
trans-1,3-Dichloropropene	ND		1500	4000
Trichloroethene	ND		1800	4000
Trichlorofluoromethane	ND		3500	4000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-16S

Lab Sample ID: 480-93630-8

Date Sampled: 01/06/2016 1508

Client Matrix: Ground Water

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4017.D
Dilution:	4000			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1650			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1650				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	76000		3600	4000
Xylenes, Total	ND		2600	8000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	106		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: Duplicate

Lab Sample ID: 480-93630-9FD

Date Sampled: 01/06/2016 0700

Client Matrix: Water

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-283077

Instrument ID: HP5975T

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: T4038.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 01/12/2016 0043

Final Weight/Volume: 5 mL

Prep Date: 01/12/2016 0043

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

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: Duplicate

Lab Sample ID: 480-93630-9FD

Client Matrix: Water

Date Sampled: 01/06/2016 0700

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-283077	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4038.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/12/2016 0043			Final Weight/Volume:	5 mL
Prep Date:	01/12/2016 0043				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	123		66 - 137
4-Bromofluorobenzene (Surr)	103		73 - 120
Toluene-d8 (Surr)	104		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: Rinse Blank

Lab Sample ID: 480-93630-10RB

Client Matrix: Water

Date Sampled: 01/06/2016 0800

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4019.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1738			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1738				

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

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: Rinse Blank

Lab Sample ID: 480-93630-10RB

Client Matrix: Water

Date Sampled: 01/06/2016 0800

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4019.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1738			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1738				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		66 - 137
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	105		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-16D

Lab Sample ID: 480-93630-11

Date Sampled: 01/06/2016 1502

Client Matrix: Ground Water

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-283077

Instrument ID: HP5975T

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: T4039.D

Dilution: 5.0

Initial Weight/Volume: 5 mL

Analysis Date: 01/12/2016 0107

Final Weight/Volume: 5 mL

Prep Date: 01/12/2016 0107

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	5.0
1,1,2,2-Tetrachloroethane	ND		1.1	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.6	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
1,1-Dichloroethane	2.9	J	1.9	5.0
1,1-Dichloroethene	ND		1.5	5.0
1,2,4-Trichlorobenzene	ND		2.1	5.0
1,2-Dibromo-3-Chloropropane	ND		2.0	5.0
1,2-Dibromoethane	ND		3.7	5.0
1,2-Dichlorobenzene	ND		4.0	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		3.6	5.0
1,3-Dichlorobenzene	ND		3.9	5.0
1,4-Dichlorobenzene	ND		4.2	5.0
2-Butanone (MEK)	70		6.6	50
2-Hexanone	ND		6.2	25
4-Methyl-2-pentanone (MIBK)	ND		11	25
Acetone	84		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	5.0
Bromoform	ND		1.3	5.0
Bromomethane	ND		3.5	5.0
Carbon disulfide	ND		0.95	5.0
Carbon tetrachloride	ND		1.4	5.0
Chlorobenzene	ND		3.8	5.0
Chloroethane	140		1.6	5.0
Chloroform	ND		1.7	5.0
Chloromethane	ND		1.8	5.0
cis-1,2-Dichloroethene	ND		4.1	5.0
cis-1,3-Dichloropropene	ND		1.8	5.0
Cyclohexane	ND		0.90	5.0
Dibromochloromethane	ND		1.6	5.0
Dichlorodifluoromethane	ND		3.4	5.0
Ethylbenzene	ND		3.7	5.0
Isopropylbenzene	ND		4.0	5.0
Methyl acetate	ND		6.5	13
Methyl tert-butyl ether	ND		0.80	5.0
Methylcyclohexane	ND		0.80	5.0
Methylene Chloride	ND		2.2	5.0
Styrene	ND		3.7	5.0
Tetrachloroethene	ND		1.8	5.0
Toluene	ND		2.6	5.0
trans-1,2-Dichloroethene	ND		4.5	5.0
trans-1,3-Dichloropropene	ND		1.9	5.0
Trichloroethene	ND		2.3	5.0
Trichlorofluoromethane	ND		4.4	5.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-16D

Lab Sample ID: 480-93630-11

Date Sampled: 01/06/2016 1502

Client Matrix: Ground Water

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-283077	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4039.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/12/2016 0107			Final Weight/Volume:	5 mL
Prep Date:	01/12/2016 0107				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	61		4.5	5.0
Xylenes, Total	ND		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		66 - 137
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	104		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-13S

Lab Sample ID: 480-93630-12

Client Matrix: Ground Water

Date Sampled: 01/06/2016 1413

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-283077

Instrument ID: HP5975T

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: T4040.D

Dilution: 25

Initial Weight/Volume: 5 mL

Analysis Date: 01/12/2016 0132

Final Weight/Volume: 5 mL

Prep Date: 01/12/2016 0132

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		21	25
1,1,2,2-Tetrachloroethane	ND		5.3	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.8	25
1,1,2-Trichloroethane	ND		5.8	25
1,1-Dichloroethane	70		9.5	25
1,1-Dichloroethene	9.1	J	7.3	25
1,2,4-Trichlorobenzene	ND		10	25
1,2-Dibromo-3-Chloropropane	ND		9.8	25
1,2-Dibromoethane	ND		18	25
1,2-Dichlorobenzene	ND		20	25
1,2-Dichloroethane	ND		5.3	25
1,2-Dichloropropane	ND		18	25
1,3-Dichlorobenzene	ND		20	25
1,4-Dichlorobenzene	ND		21	25
2-Butanone (MEK)	160	J	33	250
2-Hexanone	ND		31	130
4-Methyl-2-pentanone (MIBK)	ND		53	130
Acetone	120	J	75	250
Benzene	ND		10	25
Bromodichloromethane	ND		9.8	25
Bromoform	ND		6.5	25
Bromomethane	ND		17	25
Carbon disulfide	ND		4.8	25
Carbon tetrachloride	ND		6.8	25
Chlorobenzene	ND		19	25
Chloroethane	38		8.0	25
Chloroform	ND		8.5	25
Chloromethane	ND		8.8	25
cis-1,2-Dichloroethene	150		20	25
cis-1,3-Dichloropropene	ND		9.0	25
Cyclohexane	ND		4.5	25
Dibromochloromethane	ND		8.0	25
Dichlorodifluoromethane	ND		17	25
Ethylbenzene	ND		19	25
Isopropylbenzene	ND		20	25
Methyl acetate	ND		33	63
Methyl tert-butyl ether	ND		4.0	25
Methylcyclohexane	ND		4.0	25
Methylene Chloride	ND		11	25
Styrene	ND		18	25
Tetrachloroethene	ND		9.0	25
Toluene	ND		13	25
trans-1,2-Dichloroethene	ND		23	25
trans-1,3-Dichloropropene	ND		9.3	25
Trichloroethene	41		12	25
Trichlorofluoromethane	ND		22	25

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-13S

Lab Sample ID: 480-93630-12

Client Matrix: Ground Water

Date Sampled: 01/06/2016 1413

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-283077	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4040.D
Dilution:	25			Initial Weight/Volume:	5 mL
Analysis Date:	01/12/2016 0132			Final Weight/Volume:	5 mL
Prep Date:	01/12/2016 0132				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	1600		23	25
Xylenes, Total	ND		17	50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	105		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-8R

Lab Sample ID: 480-93630-13

Date Sampled: 01/06/2016 1225

Client Matrix: Ground Water

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4022.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1849			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1849				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		820	1000
1,1,2,2-Tetrachloroethane	ND		210	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		310	1000
1,1,2-Trichloroethane	ND		230	1000
1,1-Dichloroethane	ND		380	1000
1,1-Dichloroethene	ND		290	1000
1,2,4-Trichlorobenzene	ND		410	1000
1,2-Dibromo-3-Chloropropane	ND		390	1000
1,2-Dibromoethane	ND		730	1000
1,2-Dichlorobenzene	ND		790	1000
1,2-Dichloroethane	ND		210	1000
1,2-Dichloropropane	ND		720	1000
1,3-Dichlorobenzene	ND		780	1000
1,4-Dichlorobenzene	ND		840	1000
2-Butanone (MEK)	ND		1300	10000
2-Hexanone	ND		1200	5000
4-Methyl-2-pentanone (MIBK)	ND		2100	5000
Acetone	ND		3000	10000
Benzene	ND		410	1000
Bromodichloromethane	ND		390	1000
Bromoform	ND		260	1000
Bromomethane	ND		690	1000
Carbon disulfide	ND		190	1000
Carbon tetrachloride	ND		270	1000
Chlorobenzene	ND		750	1000
Chloroethane	ND		320	1000
Chloroform	ND		340	1000
Chloromethane	ND		350	1000
cis-1,2-Dichloroethene	21000		810	1000
cis-1,3-Dichloropropene	ND		360	1000
Cyclohexane	ND		180	1000
Dibromochloromethane	ND		320	1000
Dichlorodifluoromethane	ND		680	1000
Ethylbenzene	ND		740	1000
Isopropylbenzene	ND		790	1000
Methyl acetate	ND		1300	2500
Methyl tert-butyl ether	ND		160	1000
Methylcyclohexane	ND		160	1000
Methylene Chloride	ND		440	1000
Styrene	ND		730	1000
Tetrachloroethene	ND		360	1000
Toluene	ND		510	1000
trans-1,2-Dichloroethene	ND		900	1000
trans-1,3-Dichloropropene	ND		370	1000
Trichloroethene	ND		460	1000
Trichlorofluoromethane	ND		880	1000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-8R

Lab Sample ID: 480-93630-13

Date Sampled: 01/06/2016 1225

Client Matrix: Ground Water

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4022.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1849			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1849				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	12000		900	1000
Xylenes, Total	ND		660	2000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		66 - 137
4-Bromofluorobenzene (Surr)	103		73 - 120
Toluene-d8 (Surr)	104		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-13D

Lab Sample ID: 480-93630-14

Client Matrix: Ground Water

Date Sampled: 01/06/2016 1345

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-283295

Instrument ID: HP5973C

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: C60674.D

Dilution: 10

Initial Weight/Volume: 5 mL

Analysis Date: 01/13/2016 0313

Final Weight/Volume: 5 mL

Prep Date: 01/13/2016 0313

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		8.2	10
1,1,2,2-Tetrachloroethane	ND		2.1	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1	10
1,1,2-Trichloroethane	ND		2.3	10
1,1-Dichloroethane	12		3.8	10
1,1-Dichloroethene	ND		2.9	10
1,2,4-Trichlorobenzene	ND		4.1	10
1,2-Dibromo-3-Chloropropane	ND		3.9	10
1,2-Dibromoethane	ND		7.3	10
1,2-Dichlorobenzene	ND		7.9	10
1,2-Dichloroethane	ND		2.1	10
1,2-Dichloropropane	ND		7.2	10
1,3-Dichlorobenzene	ND		7.8	10
1,4-Dichlorobenzene	ND		8.4	10
2-Butanone (MEK)	1100		13	100
2-Hexanone	ND		12	50
4-Methyl-2-pentanone (MIBK)	ND		21	50
Acetone	230		30	100
Benzene	ND		4.1	10
Bromodichloromethane	ND		3.9	10
Bromoform	ND		2.6	10
Bromomethane	ND		6.9	10
Carbon disulfide	ND		1.9	10
Carbon tetrachloride	ND		2.7	10
Chlorobenzene	ND		7.5	10
Chloroethane	38		3.2	10
Chloroform	ND		3.4	10
Chloromethane	ND		3.5	10
cis-1,2-Dichloroethene	15		8.1	10
cis-1,3-Dichloropropene	ND		3.6	10
Cyclohexane	ND		1.8	10
Dibromochloromethane	ND		3.2	10
Dichlorodifluoromethane	ND		6.8	10
Ethylbenzene	ND		7.4	10
Isopropylbenzene	ND		7.9	10
Methyl acetate	ND		13	25
Methyl tert-butyl ether	ND		1.6	10
Methylcyclohexane	ND		1.6	10
Methylene Chloride	ND		4.4	10
Styrene	ND		7.3	10
Tetrachloroethene	ND		3.6	10
Toluene	ND		5.1	10
trans-1,2-Dichloroethene	ND		9.0	10
trans-1,3-Dichloropropene	ND		3.7	10
Trichloroethene	ND		4.6	10
Trichlorofluoromethane	ND		8.8	10

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: MW-13D

Lab Sample ID: 480-93630-14

Client Matrix: Ground Water

Date Sampled: 01/06/2016 1345

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-283295	Instrument ID:	HP5973C
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	C60674.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	01/13/2016 0313			Final Weight/Volume:	5 mL
Prep Date:	01/13/2016 0313				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	47		9.0	10
Xylenes, Total	ND		6.6	20

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: GWTC

Lab Sample ID: 480-93630-15

Date Sampled: 01/06/2016 0940

Client Matrix: Water

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-282953

Instrument ID: HP5975T

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: T4024.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 01/11/2016 1936

Final Weight/Volume: 5 mL

Prep Date: 01/11/2016 1936

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	62		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		1.3	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	0.99	J	0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: GWTC

Lab Sample ID: 480-93630-15

Client Matrix: Water

Date Sampled: 01/06/2016 0940

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4024.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1936			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1936				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		66 - 137
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	104		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-93630-16TB

Date Sampled: 01/05/2016 0800

Client Matrix: Water

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4009.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1338			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1338				

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

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-93630-16TB

Client Matrix: Water

Date Sampled: 01/05/2016 0800

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4009.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1338			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1338				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121		66 - 137
4-Bromofluorobenzene (Surr)	104		73 - 120
Toluene-d8 (Surr)	106		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: A1-GP02-S

Lab Sample ID: 480-93630-17

Date Sampled: 01/07/2016 1445

Client Matrix: Water

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 480-282953

Instrument ID: HP5975T

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: T4025.D

Dilution: 500

Initial Weight/Volume: 5 mL

Analysis Date: 01/11/2016 2000

Final Weight/Volume: 5 mL

Prep Date: 01/11/2016 2000

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		410	500
1,1,2,2-Tetrachloroethane	ND		110	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		160	500
1,1,2-Trichloroethane	ND		120	500
1,1-Dichloroethane	ND		190	500
1,1-Dichloroethene	ND		150	500
1,2,4-Trichlorobenzene	ND		210	500
1,2-Dibromo-3-Chloropropane	ND		200	500
1,2-Dibromoethane	ND		370	500
1,2-Dichlorobenzene	ND		400	500
1,2-Dichloroethane	ND		110	500
1,2-Dichloropropane	ND		360	500
1,3-Dichlorobenzene	ND		390	500
1,4-Dichlorobenzene	ND		420	500
2-Butanone (MEK)	ND		660	5000
2-Hexanone	ND		620	2500
4-Methyl-2-pentanone (MIBK)	ND		1100	2500
Acetone	ND		1500	5000
Benzene	ND		210	500
Bromodichloromethane	ND		200	500
Bromoform	ND		130	500
Bromomethane	ND		350	500
Carbon disulfide	ND		95	500
Carbon tetrachloride	ND		140	500
Chlorobenzene	ND		380	500
Chloroethane	ND		160	500
Chloroform	ND		170	500
Chloromethane	ND		180	500
cis-1,2-Dichloroethene	29000		410	500
cis-1,3-Dichloropropene	ND		180	500
Cyclohexane	ND		90	500
Dibromochloromethane	ND		160	500
Dichlorodifluoromethane	ND		340	500
Ethylbenzene	ND		370	500
Isopropylbenzene	ND		400	500
Methyl acetate	ND		650	1300
Methyl tert-butyl ether	ND		80	500
Methylcyclohexane	ND		80	500
Methylene Chloride	ND		220	500
Styrene	ND		370	500
Tetrachloroethene	ND		180	500
Toluene	ND		260	500
trans-1,2-Dichloroethene	ND		450	500
trans-1,3-Dichloropropene	ND		190	500
Trichloroethene	330	J	230	500
Trichlorofluoromethane	ND		440	500

Analytical Data

Client: AECOM, Inc.

Job Number: 480-93630-1

Client Sample ID: A1-GP02-S

Lab Sample ID: 480-93630-17

Client Matrix: Water

Date Sampled: 01/07/2016 1445

Date Received: 01/07/2016 1600

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T4025.D
Dilution:	500			Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 2000			Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 2000				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	770		450	500
Xylenes, Total	ND		330	1000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	105		71 - 126

Client: AECOM, Inc.

Job Number: 480-93630-1

Surrogate Recovery Report**8260C Volatile Organic Compounds by GC/MS****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-93630-1	MW-2	120	107	104
480-93630-2	MW-3	119	106	101
480-93630-3	MW-4	121	105	105
480-93630-4	MW-6	120	107	104
480-93630-5	MW-10	119	107	101
480-93630-6	MW-11	121	106	102
480-93630-7	MW-12	119	107	102
480-93630-8	MW-16S	117	106	101
480-93630-9	Duplicate	123	104	103
480-93630-10	Rinse Blank	115	105	100
480-93630-11	MW-16D	119	104	102
480-93630-12	MW-13S	116	105	101
480-93630-13	MW-8R	117	104	103
480-93630-14	MW-13D	105	100	102
480-93630-15	GWTC	116	104	102
480-93630-16	Trip Blank	121	106	104
480-93630-17	A1-GP02-S	116	105	101
MB 480-282953/7		119	106	102
MB 480-283077/7		117	105	103
MB 480-283295/6		98	103	106
LCS 480-282953/5		115	106	104
LCS 480-283077/5		113	101	102
LCS 480-283295/4		96	103	105
480-93630-3 MS	MW-4 MS	119	105	104
480-93630-14 MS	MW-13D MS	96	103	107
480-93630-3 MSD	MW-4 MSD	115	102	104
480-93630-14 MSD	MW-13D MSD	97	104	107

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-93630-1

Method Blank - Batch: 480-282953

Method: 8260C

Preparation: 5030C

Lab Sample ID: MB 480-282953/7
Client Matrix: Water
Dilution: 1.0
Analysis Date: 01/11/2016 1116
Prep Date: 01/11/2016 1116
Leach Date: N/A

Analysis Batch: 480-282953
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5975T
Lab File ID: T4007.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

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

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-93630-1

Method Blank - Batch: 480-282953

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 480-282953/7	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T4007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1116	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1116				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.88	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119	66 - 137
4-Bromofluorobenzene (Surr)	102	73 - 120
Toluene-d8 (Surr)	106	71 - 126

Lab Control Sample - Batch: 480-282953

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 480-282953/5	Analysis Batch:	480-282953	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T4005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 1028	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 1028				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	23.0	92	71 - 129	
1,1-Dichloroethene	25.0	23.0	92	58 - 121	
1,2-Dichlorobenzene	25.0	24.1	96	80 - 124	
1,2-Dichloroethane	25.0	24.8	99	75 - 127	
Benzene	25.0	23.3	93	71 - 124	
Chlorobenzene	25.0	23.1	92	72 - 120	
cis-1,2-Dichloroethene	25.0	25.0	100	74 - 124	
Ethylbenzene	25.0	22.6	91	77 - 123	
Methyl tert-butyl ether	25.0	23.6	95	64 - 127	
Tetrachloroethene	25.0	24.3	97	74 - 122	
Toluene	25.0	21.7	87	80 - 122	
trans-1,2-Dichloroethene	25.0	24.3	97	73 - 127	
Trichloroethene	25.0	24.7	99	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	66 - 137
4-Bromofluorobenzene (Surr)	104	73 - 120
Toluene-d8 (Surr)	106	71 - 126

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-93630-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 480-282953

Method: 8260C
Preparation: 5030C

MS Lab Sample ID: 480-93630-3	Analysis Batch: 480-282953	Instrument ID: HP5975T
Client Matrix: Water	Prep Batch: N/A	Lab File ID: T4026.D
Dilution: 100	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 01/11/2016 2023		Final Weight/Volume: 5 mL
Prep Date: 01/11/2016 2023		5 mL
Leach Date: N/A		

MSD Lab Sample ID: 480-93630-3	Analysis Batch: 480-282953	Instrument ID: HP5975T
Client Matrix: Water	Prep Batch: N/A	Lab File ID: T4027.D
Dilution: 100	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 01/11/2016 2047		Final Weight/Volume: 5 mL
Prep Date: 01/11/2016 2047		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1-Dichloroethane	97	90	71 - 129	7	20		
1,1-Dichloroethene	98	91	58 - 121	8	16		
1,2-Dichlorobenzene	102	97	80 - 124	5	20		
1,2-Dichloroethane	102	98	75 - 127	3	20		
Benzene	99	92	71 - 124	8	13		
Chlorobenzene	97	93	72 - 120	4	25		
cis-1,2-Dichloroethene	108	98	74 - 124	9	15		
Ethylbenzene	95	90	77 - 123	6	15		
Methyl tert-butyl ether	98	93	64 - 127	5	37		
Tetrachloroethene	102	95	74 - 122	7	20		
Toluene	91	86	80 - 122	5	15		
trans-1,2-Dichloroethene	105	98	73 - 127	7	20		
Trichloroethene	105	98	74 - 123	7	16		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	119		115	66 - 137			
4-Bromofluorobenzene (Surr)	104		104	73 - 120			
Toluene-d8 (Surr)	105		102	71 - 126			

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-93630-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 480-282953

Method: 8260C
Preparation: 5030C

MS Lab Sample ID: 480-93630-3 Units: ug/L
Client Matrix: Water
Dilution: 100
Analysis Date: 01/11/2016 2023
Prep Date: 01/11/2016 2023
Leach Date: N/A

MSD Lab Sample ID: 480-93630-3
Client Matrix: Water
Dilution: 100
Analysis Date: 01/11/2016 2047
Prep Date: 01/11/2016 2047
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethane	270	2500	2500	2690	2510
1,1-Dichloroethene	ND	2500	2500	2460	2270
1,2-Dichlorobenzene	ND	2500	2500	2540	2410
1,2-Dichloroethane	ND	2500	2500	2550	2460
Benzene	ND	2500	2500	2470	2290
Chlorobenzene	ND	2500	2500	2420	2320
cis-1,2-Dichloroethene	100	2500	2500	2800	2550
Ethylbenzene	ND	2500	2500	2380	2250
Methyl tert-butyl ether	ND	2500	2500	2440	2330
Tetrachloroethene	ND	2500	2500	2540	2380
Toluene	ND	2500	2500	2270	2160
trans-1,2-Dichloroethene	ND	2500	2500	2620	2450
Trichloroethene	ND	2500	2500	2630	2460

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-93630-1

Method Blank - Batch: 480-283077

Method: 8260C

Preparation: 5030C

Lab Sample ID: MB 480-283077/7
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 01/11/2016 2323
 Prep Date: 01/11/2016 2323
 Leach Date: N/A

Analysis Batch: 480-283077
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5975T
 Lab File ID: T4034.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

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

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-93630-1

Method Blank - Batch: 480-283077

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 480-283077/7	Analysis Batch:	480-283077	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T4034.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 2323	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 2323				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.88	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117	66 - 137
4-Bromofluorobenzene (Surr)	103	73 - 120
Toluene-d8 (Surr)	105	71 - 126

Lab Control Sample - Batch: 480-283077

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 480-283077/5	Analysis Batch:	480-283077	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T4032.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/11/2016 2234	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	01/11/2016 2234				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	24.8	99	71 - 129	
1,1-Dichloroethene	25.0	25.7	103	58 - 121	
1,2-Dichlorobenzene	25.0	25.8	103	80 - 124	
1,2-Dichloroethane	25.0	25.4	101	75 - 127	
Benzene	25.0	24.8	99	71 - 124	
Chlorobenzene	25.0	24.9	100	72 - 120	
cis-1,2-Dichloroethene	25.0	26.6	106	74 - 124	
Ethylbenzene	25.0	25.0	100	77 - 123	
Methyl tert-butyl ether	25.0	24.6	99	64 - 127	
Tetrachloroethene	25.0	27.6	110	74 - 122	
Toluene	25.0	23.4	94	80 - 122	
trans-1,2-Dichloroethene	25.0	26.9	107	73 - 127	
Trichloroethene	25.0	26.8	107	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113	66 - 137
4-Bromofluorobenzene (Surr)	102	73 - 120
Toluene-d8 (Surr)	101	71 - 126

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-93630-1

Method Blank - Batch: 480-283295

Method: 8260C

Preparation: 5030C

Lab Sample ID: MB 480-283295/6
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 01/12/2016 2313
 Prep Date: 01/12/2016 2313
 Leach Date: N/A

Analysis Batch: 480-283295
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973C
 Lab File ID: C60665.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

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

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-93630-1

Method Blank - Batch: 480-283295

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 480-283295/6	Analysis Batch:	480-283295	Instrument ID:	HP5973C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C60665.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/12/2016 2313	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	01/12/2016 2313				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.88	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	66 - 137
4-Bromofluorobenzene (Surr)	106	73 - 120
Toluene-d8 (Surr)	103	71 - 126

Lab Control Sample - Batch: 480-283295

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 480-283295/4	Analysis Batch:	480-283295	Instrument ID:	HP5973C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C60663.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	01/12/2016 2223	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	01/12/2016 2223				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	23.4	94	71 - 129	
1,1-Dichloroethene	25.0	22.9	92	58 - 121	
1,2-Dichlorobenzene	25.0	23.5	94	80 - 124	
1,2-Dichloroethane	25.0	21.2	85	75 - 127	
Benzene	25.0	24.7	99	71 - 124	
Chlorobenzene	25.0	25.1	100	72 - 120	
cis-1,2-Dichloroethene	25.0	24.4	98	74 - 124	
Ethylbenzene	25.0	22.7	91	77 - 123	
Methyl tert-butyl ether	25.0	22.6	90	64 - 127	
Tetrachloroethene	25.0	26.2	105	74 - 122	
Toluene	25.0	24.0	96	80 - 122	
trans-1,2-Dichloroethene	25.0	24.2	97	73 - 127	
Trichloroethene	25.0	23.3	93	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	66 - 137
4-Bromofluorobenzene (Surr)	105	73 - 120
Toluene-d8 (Surr)	103	71 - 126

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-93630-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 480-283295

Method: 8260C
Preparation: 5030C

MS Lab Sample ID: 480-93630-14
Client Matrix: Water
Dilution: 10
Analysis Date: 01/13/2016 0727
Prep Date: 01/13/2016 0727
Leach Date: N/A

Analysis Batch: 480-283295
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: HP5973C
Lab File ID: C60684.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 480-93630-14
Client Matrix: Water
Dilution: 10
Analysis Date: 01/13/2016 0753
Prep Date: 01/13/2016 0753
Leach Date: N/A

Analysis Batch: 480-283295
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: HP5973C
Lab File ID: C60685.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1-Dichloroethane	98	94	71 - 129	4	20		
1,1-Dichloroethene	95	93	58 - 121	3	16		
1,2-Dichlorobenzene	96	96	80 - 124	1	20		
1,2-Dichloroethane	87	86	75 - 127	0	20		
Benzene	103	100	71 - 124	3	13		
Chlorobenzene	105	104	72 - 120	1	25		
cis-1,2-Dichloroethene	102	96	74 - 124	6	15		
Ethylbenzene	97	95	77 - 123	2	15		
Methyl tert-butyl ether	91	89	64 - 127	2	37		
Tetrachloroethene	112	110	74 - 122	3	20		
Toluene	102	101	80 - 122	1	15		
trans-1,2-Dichloroethene	102	98	73 - 127	4	20		
Trichloroethene	104	98	74 - 123	6	16		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	96		97		66 - 137		
4-Bromofluorobenzene (Surr)	107		107		73 - 120		
Toluene-d8 (Surr)	103		104		71 - 126		

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-93630-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 480-283295

Method: 8260C
Preparation: 5030C

MS Lab Sample ID: 480-93630-14 Units: ug/L
Client Matrix: Water
Dilution: 10
Analysis Date: 01/13/2016 0727
Prep Date: 01/13/2016 0727
Leach Date: N/A

MSD Lab Sample ID: 480-93630-14
Client Matrix: Water
Dilution: 10
Analysis Date: 01/13/2016 0753
Prep Date: 01/13/2016 0753
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethane	12	250	250	256	247
1,1-Dichloroethene	ND	250	250	238	232
1,2-Dichlorobenzene	ND	250	250	239	241
1,2-Dichloroethane	ND	250	250	217	216
Benzene	ND	250	250	259	250
Chlorobenzene	ND	250	250	262	261
cis-1,2-Dichloroethene	15	250	250	271	256
Ethylbenzene	ND	250	250	243	239
Methyl tert-butyl ether	ND	250	250	228	224
Tetrachloroethene	ND	250	250	281	274
Toluene	ND	250	250	256	253
trans-1,2-Dichloroethene	ND	250	250	256	245
Trichloroethene	ND	250	250	260	244

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 480-93630-1

Lab Section	Qualifier	Description
GC/MS VOA	F1	MS and/or MSD Recovery is outside acceptance limits.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-93630-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-282953					
LCS 480-282953/5	Lab Control Sample	T	Water	8260C	
MB 480-282953/7	Method Blank	T	Water	8260C	
480-93630-1	MW-2	T	Water	8260C	
480-93630-2	MW-3	T	Water	8260C	
480-93630-3	MW-4	T	Water	8260C	
480-93630-3MS	Matrix Spike	T	Water	8260C	
480-93630-3MSD	Matrix Spike Duplicate	T	Water	8260C	
480-93630-4	MW-6	T	Water	8260C	
480-93630-5	MW-10	T	Water	8260C	
480-93630-6	MW-11	T	Water	8260C	
480-93630-7	MW-12	T	Water	8260C	
480-93630-8	MW-16S	T	Water	8260C	
480-93630-10RB	Rinse Blank	T	Water	8260C	
480-93630-13	MW-8R	T	Water	8260C	
480-93630-15	GWTC	T	Water	8260C	
480-93630-16TB	Trip Blank	T	Water	8260C	
480-93630-17	A1-GP02-S	T	Water	8260C	
Analysis Batch:480-283077					
LCS 480-283077/5	Lab Control Sample	T	Water	8260C	
MB 480-283077/7	Method Blank	T	Water	8260C	
480-93630-9FD	Duplicate	T	Water	8260C	
480-93630-11	MW-16D	T	Water	8260C	
480-93630-12	MW-13S	T	Water	8260C	
Analysis Batch:480-283295					
LCS 480-283295/4	Lab Control Sample	T	Water	8260C	
MB 480-283295/6	Method Blank	T	Water	8260C	
480-93630-14	MW-13D	T	Water	8260C	
480-93630-14MS	Matrix Spike	T	Water	8260C	
480-93630-14MSD	Matrix Spike Duplicate	T	Water	8260C	

Report Basis

T = Total

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-93630-1

Laboratory Chronicle

Lab ID: 480-93630-1

Client ID: MW-2

Sample Date/Time: 01/05/2016 15:40 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-A-1		480-282953		01/11/2016 14:02	1	TAL BUF	GVF
A:8260C	480-93630-A-1		480-282953		01/11/2016 14:02	1	TAL BUF	GVF

Lab ID: 480-93630-2

Client ID: MW-3

Sample Date/Time: 01/06/2016 11:45 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-A-2		480-282953		01/11/2016 14:26	1	TAL BUF	GVF
A:8260C	480-93630-A-2		480-282953		01/11/2016 14:26	1	TAL BUF	GVF

Lab ID: 480-93630-3

Client ID: MW-4

Sample Date/Time: 01/06/2016 13:10 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-A-3		480-282953		01/11/2016 14:50	100	TAL BUF	GVF
A:8260C	480-93630-A-3		480-282953		01/11/2016 14:50	100	TAL BUF	GVF

Lab ID: 480-93630-3 MS

Client ID: MW-4

Sample Date/Time: 01/06/2016 13:10 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-A-3 MS		480-282953		01/11/2016 20:23	100	TAL BUF	GVF
A:8260C	480-93630-A-3 MS		480-282953		01/11/2016 20:23	100	TAL BUF	GVF

Lab ID: 480-93630-3 MSD

Client ID: MW-4

Sample Date/Time: 01/06/2016 13:10 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-A-3 MSD		480-282953		01/11/2016 20:47	100	TAL BUF	GVF
A:8260C	480-93630-A-3 MSD		480-282953		01/11/2016 20:47	100	TAL BUF	GVF

Lab ID: 480-93630-4

Client ID: MW-6

Sample Date/Time: 01/06/2016 09:20 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-A-4		480-282953		01/11/2016 15:14	1	TAL BUF	GVF
A:8260C	480-93630-A-4		480-282953		01/11/2016 15:14	1	TAL BUF	GVF

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-93630-1

Laboratory Chronicle

Lab ID: 480-93630-5

Client ID: MW-10

Sample Date/Time: 01/06/2016 10:08 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-A-5		480-282953		01/11/2016 15:38	1	TAL BUF	GVF
A:8260C	480-93630-A-5		480-282953		01/11/2016 15:38	1	TAL BUF	GVF

Lab ID: 480-93630-6

Client ID: MW-11

Sample Date/Time: 01/05/2016 16:35 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-A-6		480-282953		01/11/2016 16:02	1	TAL BUF	GVF
A:8260C	480-93630-A-6		480-282953		01/11/2016 16:02	1	TAL BUF	GVF

Lab ID: 480-93630-7

Client ID: MW-12

Sample Date/Time: 01/06/2016 11:00 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-A-7		480-282953		01/11/2016 16:27	1	TAL BUF	GVF
A:8260C	480-93630-A-7		480-282953		01/11/2016 16:27	1	TAL BUF	GVF

Lab ID: 480-93630-8

Client ID: MW-16S

Sample Date/Time: 01/06/2016 15:08 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-A-8		480-282953		01/11/2016 16:50	4000	TAL BUF	GVF
A:8260C	480-93630-A-8		480-282953		01/11/2016 16:50	4000	TAL BUF	GVF

Lab ID: 480-93630-9

Client ID: Duplicate

Sample Date/Time: 01/06/2016 07:00 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-B-9		480-283077		01/12/2016 00:43	1	TAL BUF	GTG
A:8260C	480-93630-B-9		480-283077		01/12/2016 00:43	1	TAL BUF	GTG

Lab ID: 480-93630-10

Client ID: Rinse Blank

Sample Date/Time: 01/06/2016 08:00 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-A-10		480-282953		01/11/2016 17:38	1	TAL BUF	GVF
A:8260C	480-93630-A-10		480-282953		01/11/2016 17:38	1	TAL BUF	GVF

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-93630-1

Laboratory Chronicle

Lab ID: 480-93630-11

Client ID: MW-16D

Sample Date/Time: 01/06/2016 15:02 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-B-11		480-283077		01/12/2016 01:07	5	TAL BUF	GTG
A:8260C	480-93630-B-11		480-283077		01/12/2016 01:07	5	TAL BUF	GTG

Lab ID: 480-93630-12

Client ID: MW-13S

Sample Date/Time: 01/06/2016 14:13 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-B-12		480-283077		01/12/2016 01:32	25	TAL BUF	GTG
A:8260C	480-93630-B-12		480-283077		01/12/2016 01:32	25	TAL BUF	GTG

Lab ID: 480-93630-13

Client ID: MW-8R

Sample Date/Time: 01/06/2016 12:25 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-A-13		480-282953		01/11/2016 18:49	1000	TAL BUF	GVF
A:8260C	480-93630-A-13		480-282953		01/11/2016 18:49	1000	TAL BUF	GVF

Lab ID: 480-93630-14

Client ID: MW-13D

Sample Date/Time: 01/06/2016 13:45 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-C-14		480-283295		01/13/2016 03:13	10	TAL BUF	GTG
A:8260C	480-93630-C-14		480-283295		01/13/2016 03:13	10	TAL BUF	GTG

Lab ID: 480-93630-14 MS

Client ID: MW-13D

Sample Date/Time: 01/06/2016 13:45 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-C-14 MS		480-283295		01/13/2016 07:27	10	TAL BUF	GTG
A:8260C	480-93630-C-14 MS		480-283295		01/13/2016 07:27	10	TAL BUF	GTG

Lab ID: 480-93630-14 MSD

Client ID: MW-13D

Sample Date/Time: 01/06/2016 13:45 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-C-14 MSD		480-283295		01/13/2016 07:53	10	TAL BUF	GTG
A:8260C	480-93630-C-14 MSD		480-283295		01/13/2016 07:53	10	TAL BUF	GTG

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-93630-1

Laboratory Chronicle

Lab ID: 480-93630-15

Client ID: GWTC

Sample Date/Time: 01/06/2016 09:40 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-A-15		480-282953		01/11/2016 19:36	1	TAL BUF	GVF
A:8260C	480-93630-A-15		480-282953		01/11/2016 19:36	1	TAL BUF	GVF

Lab ID: 480-93630-16

Client ID: Trip Blank

Sample Date/Time: 01/05/2016 08:00 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-A-16		480-282953		01/11/2016 13:38	1	TAL BUF	GVF
A:8260C	480-93630-A-16		480-282953		01/11/2016 13:38	1	TAL BUF	GVF

Lab ID: 480-93630-17

Client ID: A1-GP02-S

Sample Date/Time: 01/07/2016 14:45 Received Date/Time: 01/07/2016 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-93630-A-17		480-282953		01/11/2016 20:00	500	TAL BUF	GVF
A:8260C	480-93630-A-17		480-282953		01/11/2016 20:00	500	TAL BUF	GVF

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	MB 480-282953/7		480-282953		01/11/2016 11:16	1	TAL BUF	GVF
A:8260C	MB 480-282953/7		480-282953		01/11/2016 11:16	1	TAL BUF	GVF
P:5030C	MB 480-283077/7		480-283077		01/11/2016 23:23	1	TAL BUF	GTG
A:8260C	MB 480-283077/7		480-283077		01/11/2016 23:23	1	TAL BUF	GTG
P:5030C	MB 480-283295/6		480-283295		01/12/2016 23:13	1	TAL BUF	GTG
A:8260C	MB 480-283295/6		480-283295		01/12/2016 23:13	1	TAL BUF	GTG

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-93630-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	LCS 480-282953/5		480-282953		01/11/2016 10:28	1	TAL BUF	GVF
A:8260C	LCS 480-282953/5		480-282953		01/11/2016 10:28	1	TAL BUF	GVF
P:5030C	LCS 480-283077/5		480-283077		01/11/2016 22:34	1	TAL BUF	GTG
A:8260C	LCS 480-283077/5		480-283077		01/11/2016 22:34	1	TAL BUF	GTG
P:5030C	LCS 480-283295/4		480-283295		01/12/2016 22:23	1	TAL BUF	GTG
A:8260C	LCS 480-283295/4		480-283295		01/12/2016 22:23	1	TAL BUF	GTG

Lab References:

TAL BUF = TestAmerica Buffalo

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo

Job No.: 480-93630-1

SDG No.: _____

Matrix: Water

Level: Low

GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
MW-2	480-93630-1	120	107	104
MW-3	480-93630-2	119	106	101
MW-4	480-93630-3	121	105	105
MW-6	480-93630-4	120	107	104
MW-10	480-93630-5	119	107	101
MW-11	480-93630-6	121	106	102
MW-12	480-93630-7	119	107	102
MW-16S	480-93630-8	117	106	101
Duplicate	480-93630-9	123	104	103
Rinse Blank	480-93630-10	115	105	100
MW-16D	480-93630-11	119	104	102
MW-13S	480-93630-12	116	105	101
MW-8R	480-93630-13	117	104	103
MW-13D	480-93630-14	105	100	102
GWTC	480-93630-15	116	104	102
Trip Blank	480-93630-16	121	106	104
A1-GP02-S	480-93630-17	116	105	101
	MB 480-282953/7	119	106	102
	MB 480-283077/7	117	105	103
	MB 480-283295/6	98	103	106
	LCS 480-282953/5	115	106	104
	LCS 480-283077/5	113	101	102
	LCS 480-283295/4	96	103	105
MW-4 MS	480-93630-3 MS	119	105	104
MW-13D MS	480-93630-14 MS	96	103	107
MW-4 MSD	480-93630-3 MSD	115	102	104
MW-13D MSD	480-93630-14 MSD	97	104	107

QC LIMITS

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

66-137
71-126
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.: 480-93630-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T4005.D
 Lab ID: LCS 480-282953/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	23.0	92	71-129	
1,1-Dichloroethene	25.0	23.0	92	58-121	
1,2-Dichlorobenzene	25.0	24.1	96	80-124	
1,2-Dichloroethane	25.0	24.8	99	75-127	
Benzene	25.0	23.3	93	71-124	
Chlorobenzene	25.0	23.1	92	72-120	
cis-1,2-Dichloroethene	25.0	25.0	100	74-124	
Ethylbenzene	25.0	22.6	91	77-123	
Methyl tert-butyl ether	25.0	23.6	95	64-127	
Tetrachloroethene	25.0	24.3	97	74-122	
Toluene	25.0	21.7	87	80-122	
trans-1,2-Dichloroethene	25.0	24.3	97	73-127	
Trichloroethene	25.0	24.7	99	74-123	

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.: 480-93630-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T4032.D
 Lab ID: LCS 480-283077/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	24.8	99	71-129	
1,1-Dichloroethene	25.0	25.7	103	58-121	
1,2-Dichlorobenzene	25.0	25.8	103	80-124	
1,2-Dichloroethane	25.0	25.4	101	75-127	
Benzene	25.0	24.8	99	71-124	
Chlorobenzene	25.0	24.9	100	72-120	
cis-1,2-Dichloroethene	25.0	26.6	106	74-124	
Ethylbenzene	25.0	25.0	100	77-123	
Methyl tert-butyl ether	25.0	24.6	99	64-127	
Tetrachloroethene	25.0	27.6	110	74-122	
Toluene	25.0	23.4	94	80-122	
trans-1,2-Dichloroethene	25.0	26.9	107	73-127	
Trichloroethene	25.0	26.8	107	74-123	

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.: 480-93630-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C60663.D
 Lab ID: LCS 480-283295/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	23.4	94	71-129	
1,1-Dichloroethene	25.0	22.9	92	58-121	
1,2-Dichlorobenzene	25.0	23.5	94	80-124	
1,2-Dichloroethane	25.0	21.2	85	75-127	
Benzene	25.0	24.7	99	71-124	
Chlorobenzene	25.0	25.1	100	72-120	
cis-1,2-Dichloroethene	25.0	24.4	98	74-124	
Ethylbenzene	25.0	22.7	91	77-123	
Methyl tert-butyl ether	25.0	22.6	90	64-127	
Tetrachloroethene	25.0	26.2	105	74-122	
Toluene	25.0	24.0	96	80-122	
trans-1,2-Dichloroethene	25.0	24.2	97	73-127	
Trichloroethene	25.0	23.3	93	74-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T4026.D
 Lab ID: 480-93630-3 MS Client ID: MW-4 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	2500	270	2690	97	71-129	
1,1-Dichloroethene	2500	ND	2460	98	58-121	
1,2-Dichlorobenzene	2500	ND	2540	102	80-124	
1,2-Dichloroethane	2500	ND	2550	102	75-127	
Benzene	2500	ND	2470	99	71-124	
Chlorobenzene	2500	ND	2420	97	72-120	
cis-1,2-Dichloroethene	2500	100	2800	108	74-124	
Ethylbenzene	2500	ND	2380	95	77-123	
Methyl tert-butyl ether	2500	ND	2440	98	64-127	
Tetrachloroethene	2500	ND	2540	102	74-122	
Toluene	2500	ND	2270	91	80-122	
trans-1,2-Dichloroethene	2500	ND	2620	105	73-127	
Trichloroethene	2500	ND	2630	105	74-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C60684.D
 Lab ID: 480-93630-14 MS Client ID: MW-13D MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	250	12	256	98	71-129	
1,1-Dichloroethene	250	ND	238	95	58-121	
1,2-Dichlorobenzene	250	ND	239	96	80-124	
1,2-Dichloroethane	250	ND	217	87	75-127	
Benzene	250	ND	259	103	71-124	
Chlorobenzene	250	ND	262	105	72-120	
cis-1,2-Dichloroethene	250	15	271	102	74-124	
Ethylbenzene	250	ND	243	97	77-123	
Methyl tert-butyl ether	250	ND	228	91	64-127	
Tetrachloroethene	250	ND	281	112	74-122	
Toluene	250	ND	256	102	80-122	
trans-1,2-Dichloroethene	250	ND	256	102	73-127	
Trichloroethene	250	ND	260	104	74-123	

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.: 480-93630-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: T4027.D
 Lab ID: 480-93630-3 MSD Client ID: MW-4 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1-Dichloroethane	2500	2510	90	7	20	71-129	
1,1-Dichloroethene	2500	2270	91	8	16	58-121	
1,2-Dichlorobenzene	2500	2410	97	5	20	80-124	
1,2-Dichloroethane	2500	2460	98	3	20	75-127	
Benzene	2500	2290	92	8	13	71-124	
Chlorobenzene	2500	2320	93	4	25	72-120	
cis-1,2-Dichloroethene	2500	2550	98	9	15	74-124	
Ethylbenzene	2500	2250	90	6	15	77-123	
Methyl tert-butyl ether	2500	2330	93	5	37	64-127	
Tetrachloroethene	2500	2380	95	7	20	74-122	
Toluene	2500	2160	86	5	15	80-122	
trans-1,2-Dichloroethene	2500	2450	98	7	20	73-127	
Trichloroethene	2500	2460	98	7	16	74-123	

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.: 480-93630-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C60685.D
 Lab ID: 480-93630-14 MSD Client ID: MW-13D MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1-Dichloroethane	250	247	94	4	20	71-129	
1,1-Dichloroethene	250	232	93	3	16	58-121	
1,2-Dichlorobenzene	250	241	96	1	20	80-124	
1,2-Dichloroethane	250	216	86	0	20	75-127	
Benzene	250	250	100	3	13	71-124	
Chlorobenzene	250	261	104	1	25	72-120	
cis-1,2-Dichloroethene	250	256	96	6	15	74-124	
Ethylbenzene	250	239	95	2	15	77-123	
Methyl tert-butyl ether	250	224	89	2	37	64-127	
Tetrachloroethene	250	274	110	3	20	74-122	
Toluene	250	253	101	1	15	80-122	
trans-1,2-Dichloroethene	250	245	98	4	20	73-127	
Trichloroethene	250	244	98	6	16	74-123	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Lab File ID: T4007.D Lab Sample ID: MB 480-282953/7
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: HP5975T Date Analyzed: 01/11/2016 11:16
 GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-282953/5	T4005.D	01/11/2016 10:28
Trip Blank	480-93630-16	T4009.D	01/11/2016 13:38
MW-2	480-93630-1	T4010.D	01/11/2016 14:02
MW-3	480-93630-2	T4011.D	01/11/2016 14:26
MW-4	480-93630-3	T4012.D	01/11/2016 14:50
MW-6	480-93630-4	T4013.D	01/11/2016 15:14
MW-10	480-93630-5	T4014.D	01/11/2016 15:38
MW-11	480-93630-6	T4015.D	01/11/2016 16:02
MW-12	480-93630-7	T4016.D	01/11/2016 16:27
MW-16S	480-93630-8	T4017.D	01/11/2016 16:50
Rinse Blank	480-93630-10	T4019.D	01/11/2016 17:38
MW-8R	480-93630-13	T4022.D	01/11/2016 18:49
GWTC	480-93630-15	T4024.D	01/11/2016 19:36
A1-GP02-S	480-93630-17	T4025.D	01/11/2016 20:00
MW-4 MS	480-93630-3 MS	T4026.D	01/11/2016 20:23
MW-4 MSD	480-93630-3 MSD	T4027.D	01/11/2016 20:47

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
SDG No.: _____
Lab File ID: T4034.D Lab Sample ID: MB 480-283077/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5975T Date Analyzed: 01/11/2016 23:23
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-283077/5	T4032.D	01/11/2016 22:34
Duplicate	480-93630-9	T4038.D	01/12/2016 00:43
MW-16D	480-93630-11	T4039.D	01/12/2016 01:07
MW-13S	480-93630-12	T4040.D	01/12/2016 01:32

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
SDG No.: _____
Lab File ID: C60665.D Lab Sample ID: MB 480-283295/6
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973C Date Analyzed: 01/12/2016 23:13
GC Column: ZB-624 (30) ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-283295/4	C60663.D	01/12/2016 22:23
MW-13D	480-93630-14	C60674.D	01/13/2016 03:13
MW-13D MS	480-93630-14 MS	C60684.D	01/13/2016 07:27
MW-13D MSD	480-93630-14 MSD	C60685.D	01/13/2016 07:53

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Lab File ID: C59579.D BFB Injection Date: 12/11/2015
 Instrument ID: HP5973C BFB Injection Time: 13:23
 Analysis Batch No.: 279331

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	21.7
75	30.0 - 60.0 % of mass 95	54.4
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	0.6 (0.6) 1
174	50.0 - 120.00 % of mass 95	85.6
175	5.0 - 9.0 % of mass 174	6.3 (7.3) 1
176	95.0 - 101.0 % of mass 174	86.0 (100.4) 1
177	5.0 - 9.0 % of mass 176	5.6 (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 480-279331/4	C59581.D	12/11/2015	14:15
	IC 480-279331/5	C59582.D	12/11/2015	14:41
	IC 480-279331/6	C59583.D	12/11/2015	15:07
	IC 480-279331/7	C59584.D	12/11/2015	15:58
	IC 480-279331/8	C59585.D	12/11/2015	16:23
	ICIS 480-279331/9	C59586.D	12/11/2015	16:49
	IC 480-279331/10	C59587.D	12/11/2015	17:15
	IC 480-279331/11	C59588.D	12/11/2015	17:40

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Lab File ID: C60660.D BFB Injection Date: 01/12/2016
 Instrument ID: HP5973C BFB Injection Time: 21:04
 Analysis Batch No.: 283295

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.0
75	30.0 - 60.0 % of mass 95	49.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.2
173	Less than 2.0 % of mass 174	0.6 (0.7) 1
174	50.0 - 120.00 % of mass 95	88.0
175	5.0 - 9.0 % of mass 174	6.3 (7.2) 1
176	95.0 - 101.0 % of mass 174	84.2 (95.6) 1
177	5.0 - 9.0 % of mass 176	5.6 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-283295/2	C60661.D	01/12/2016	21:32
	CCV 480-283295/3	C60662.D	01/12/2016	21:58
	LCS 480-283295/4	C60663.D	01/12/2016	22:23
	MB 480-283295/6	C60665.D	01/12/2016	23:13
MW-13D	480-93630-14	C60674.D	01/13/2016	03:13
MW-13D MS	480-93630-14 MS	C60684.D	01/13/2016	07:27
MW-13D MSD	480-93630-14 MSD	C60685.D	01/13/2016	07:53

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Lab File ID: T3685.D BFB Injection Date: 12/31/2015
 Instrument ID: HP5975T BFB Injection Time: 15:25
 Analysis Batch No.: 282070

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	20.0
75	30.0 - 60.0 % of mass 95	48.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.2
173	Less than 2.0 % of mass 174	0.3 (0.4) 1
174	50.0 - 120.00 % of mass 95	89.7
175	5.0 - 9.0 % of mass 174	6.7 (7.5) 1
176	95.0 - 101.0 % of mass 174	88.7 (98.9) 1
177	5.0 - 9.0 % of mass 176	6.0 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-282070/4	T3687.D	12/31/2015	16:15
	IC 480-282070/5	T3688.D	12/31/2015	16:39
	IC 480-282070/6	T3689.D	12/31/2015	17:02
	IC 480-282070/7	T3690.D	12/31/2015	17:26
	IC 480-282070/8	T3691.D	12/31/2015	17:49
	ICIS 480-282070/9	T3692.D	12/31/2015	18:13
	IC 480-282070/10	T3693.D	12/31/2015	18:37
	IC 480-282070/11	T3694.D	12/31/2015	19:00

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
SDG No.: _____
Lab File ID: T4002.D BFB Injection Date: 01/11/2016
Instrument ID: HP5975T BFB Injection Time: 09:17
Analysis Batch No.: 282953

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.0
75	30.0 - 60.0 % of mass 95	48.2
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	0.4 (0.5) 1
174	50.0 - 120.00 % of mass 95	90.7
175	5.0 - 9.0 % of mass 174	6.5 (7.2) 1
176	95.0 - 101.0 % of mass 174	87.2 (96.2) 1
177	5.0 - 9.0 % of mass 176	5.7 (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 480-282953/3	T4003.D	01/11/2016	09:41
	LCS 480-282953/5	T4005.D	01/11/2016	10:28
	MB 480-282953/7	T4007.D	01/11/2016	11:16
Trip Blank	480-93630-16	T4009.D	01/11/2016	13:38
MW-2	480-93630-1	T4010.D	01/11/2016	14:02
MW-3	480-93630-2	T4011.D	01/11/2016	14:26
MW-4	480-93630-3	T4012.D	01/11/2016	14:50
MW-6	480-93630-4	T4013.D	01/11/2016	15:14
MW-10	480-93630-5	T4014.D	01/11/2016	15:38
MW-11	480-93630-6	T4015.D	01/11/2016	16:02
MW-12	480-93630-7	T4016.D	01/11/2016	16:27
MW-16S	480-93630-8	T4017.D	01/11/2016	16:50
Rinse Blank	480-93630-10	T4019.D	01/11/2016	17:38
MW-8R	480-93630-13	T4022.D	01/11/2016	18:49
GWTC	480-93630-15	T4024.D	01/11/2016	19:36
A1-GP02-S	480-93630-17	T4025.D	01/11/2016	20:00
MW-4 MS	480-93630-3 MS	T4026.D	01/11/2016	20:23
MW-4 MSD	480-93630-3 MSD	T4027.D	01/11/2016	20:47

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Lab File ID: T4029.D BFB Injection Date: 01/11/2016
 Instrument ID: HP5975T BFB Injection Time: 21:20
 Analysis Batch No.: 283077

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.9
75	30.0 - 60.0 % of mass 95	48.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.3 (0.3) 1
174	50.0 - 120.00 % of mass 95	89.2
175	5.0 - 9.0 % of mass 174	6.4 (7.2) 1
176	95.0 - 101.0 % of mass 174	86.3 (96.8) 1
177	5.0 - 9.0 % of mass 176	6.0 (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 480-283077/3	T4030.D	01/11/2016	21:46
	CCV 480-283077/4	T4031.D	01/11/2016	22:10
	LCS 480-283077/5	T4032.D	01/11/2016	22:34
	MB 480-283077/7	T4034.D	01/11/2016	23:23
Duplicate	480-93630-9	T4038.D	01/12/2016	00:43
MW-16D	480-93630-11	T4039.D	01/12/2016	01:07
MW-13S	480-93630-12	T4040.D	01/12/2016	01:32

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Sample No.: ICIS 480-279331/9 Date Analyzed: 12/11/2015 16:49
 Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm)
 Lab File ID (Standard): C59586.D Heated Purge: (Y/N) N
 Calibration ID: 25794

	FB		CBZ		DCB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	123769	9.37	261294	11.78	255093	13.78
UPPER LIMIT	247538	9.87	522588	12.28	510186	14.28
LOWER LIMIT	61885	8.87	130647	11.28	127547	13.28
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCVIS 480-283295/2		98668 9.37	215882	11.78	235551	13.79

FB = Fluorobenzene (IS)
 CBZ = Chlorobenzene-d5
 DCB = 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.: 480-93630-1
 SDG No.: _____
 Sample No.: CCVIS 480-283295/2 Date Analyzed: 01/12/2016 21:32
 Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm)
 Lab File ID (Standard): C60661.D Heated Purge: (Y/N) N
 Calibration ID: 25797

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		98668	9.37	215882	11.78	235551	13.79
UPPER LIMIT		197336	9.87	431764	12.28	471102	14.29
LOWER LIMIT		49334	8.87	107941	11.28	117776	13.29
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCV 480-283295/3		114416	9.37	214443	11.78	233597	13.79
LCS 480-283295/4		99564	9.37	220177	11.78	233856	13.79
MB 480-283295/6		96383	9.37	205572	11.78	214963	13.79
480-93630-14	MW-13D	92025	9.37	204324	11.78	204574	13.79
480-93630-14 MS	MW-13D MS	95542	9.37	208119	11.78	229371	13.78
480-93630-14 MSD	MW-13D MSD	95864	9.37	204586	11.78	220588	13.78

FB = Fluorobenzene (IS)
 CBZ = Chlorobenzene-d5
 DCB = 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.: 480-93630-1
 SDG No.: _____
 Sample No.: ICIS 480-282070/9 Date Analyzed: 12/31/2015 18:13
 Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): T3692.D Heated Purge: (Y/N) N
 Calibration ID: 25958

	FB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	110421	5.00	452305	7.30	245580	9.16	
UPPER LIMIT	220842	5.50	904610	7.80	491160	9.66	
LOWER LIMIT	55211	4.50	226153	6.80	122790	8.66	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-282953/3		103234	5.00	453423	7.30	262200	9.16
CCVIS 480-283077/3		101119	4.99	441505	7.30	250790	9.16

FB = Fluorobenzene (IS)
 CBZ = Chlorobenzene-d5
 DCB = 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.: 480-93630-1
 SDG No.: _____
 Sample No.: CCVIS 480-282953/3 Date Analyzed: 01/11/2016 09:41
 Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): T4003.D Heated Purge: (Y/N) N
 Calibration ID: 25961

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		103234	5.00	453423	7.30	262200	9.16
UPPER LIMIT		206468	5.50	906846	7.80	524400	9.66
LOWER LIMIT		51617	4.50	226712	6.80	131100	8.66
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-282953/5		97552	4.99	431273	7.30	243021	9.16
MB 480-282953/7		97284	4.99	430742	7.30	232517	9.16
480-93630-16	Trip Blank	97024	4.99	422471	7.30	229127	9.16
480-93630-1	MW-2	96482	5.00	415593	7.30	226204	9.16
480-93630-2	MW-3	96967	4.99	414563	7.30	225888	9.16
480-93630-3	MW-4	96153	4.99	418985	7.30	233259	9.16
480-93630-4	MW-6	95436	5.00	413985	7.30	230116	9.16
480-93630-5	MW-10	95736	5.00	425503	7.30	228902	9.16
480-93630-6	MW-11	95592	4.99	422622	7.30	229622	9.16
480-93630-7	MW-12	95603	4.99	420327	7.30	227616	9.16
480-93630-8	MW-16S	98177	5.00	420056	7.30	230963	9.16
480-93630-10	Rinse Blank	96522	4.99	421122	7.30	228878	9.16
480-93630-13	MW-8R	94116	5.00	413730	7.30	229304	9.16
480-93630-15	GWTC	98559	4.99	418448	7.30	231322	9.16
480-93630-17	A1-GP02-S	95855	5.00	413548	7.30	225887	9.16
480-93630-3 MS	MW-4 MS	93623	5.00	424709	7.30	237910	9.16
480-93630-3 MSD	MW-4 MSD	97721	4.99	436406	7.30	243803	9.16

FB = Fluorobenzene (IS)
 CBZ = Chlorobenzene-d5
 DCB = 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.: 480-93630-1
 SDG No.: _____
 Sample No.: CCVIS 480-283077/3 Date Analyzed: 01/11/2016 21:46
 Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): T4030.D Heated Purge: (Y/N) N
 Calibration ID: 25961

	FB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	101119	4.99	441505	7.30	250790	9.16	
UPPER LIMIT	202238	5.49	883010	7.80	501580	9.66	
LOWER LIMIT	50560	4.49	220753	6.80	125395	8.66	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-283077/4		96246	5.00	437006	7.30	237011	9.16
LCS 480-283077/5		101707	5.00	443887	7.30	245754	9.16
MB 480-283077/7		95644	4.99	417646	7.30	231565	9.16
480-93630-9	Duplicate	91270	4.99	418404	7.30	230487	9.16
480-93630-11	MW-16D	94337	4.99	415283	7.30	223968	9.16
480-93630-12	MW-13S	95465	4.99	413841	7.30	227946	9.16

FB = Fluorobenzene (IS)
 CBZ = Chlorobenzene-d5
 DCB = 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>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-2</u>	Lab Sample ID: <u>480-93630-1</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>T4010.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/05/2016 15:40</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/11/2016 14:02</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>282953</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	5.6	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	0.55	J	1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	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.: 480-93630-1
 SDG No.: _____
 Client Sample ID: MW-2 Lab Sample ID: 480-93630-1
 Matrix: Ground Water Lab File ID: T4010.D
 Analysis Method: 8260C Date Collected: 01/05/2016 15:40
 Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 14:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 282953 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)	120		66-137
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
2037-26-5	Toluene-d8 (Surr)	107		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4010.D
 Lims ID: 480-93630-A-1 Lab Sample ID: 480-93630-1
 Client ID: MW-2
 Sample Type: Client
 Inject. Date: 11-Jan-2016 14:02:30 ALS Bottle#: 60 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info:
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 17:55:26 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: fortaing

Date: 11-Jan-2016 17:56:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.996	4.985	0.011	99	96482	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	415593	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.162	9.162	0.000	95	226204	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.768	4.757	0.011	0	153886	30.1	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	501003	26.8	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	96	183531	26.1	
11 Dichlorodifluoromethane	85		1.306				ND	
13 Chloromethane	50		1.420				ND	
14 Vinyl chloride	62		1.545				ND	
15 Bromomethane	94		1.824				ND	
16 Chloroethane	64	1.907	1.907	0.000	26	1505	0.5492	
17 Trichlorofluoromethane	101		2.187				ND	
22 1,1-Dichloroethene	96		2.633				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643				ND	
23 Acetone	43	2.747	2.726	0.021	98	7380	5.61	
25 Carbon disulfide	76		2.819				ND	
28 Methyl acetate	43		3.006				ND	
30 Methylene Chloride	84		3.099				ND	
32 trans-1,2-Dichloroethene	96		3.306				ND	
33 Methyl tert-butyl ether	73		3.306				ND	
36 1,1-Dichloroethane	63		3.669				ND	
43 cis-1,2-Dichloroethene	96	4.136	4.135	0.001	81	1312	0.1914	
44 2-Butanone (MEK)	43		4.156				ND	
50 Chloroform	83		4.384				ND	
51 1,1,1-Trichloroethane	97		4.498				ND	
52 Cyclohexane	56		4.519				ND	
53 Carbon tetrachloride	117		4.612				ND	
55 Benzene	78		4.778				ND	
57 1,2-Dichloroethane	62		4.819				ND	
60 Trichloroethene	95		5.265				ND	
62 Methylcyclohexane	83		5.379				ND	
63 1,2-Dichloropropane	63		5.441				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
67 Dichlorobromomethane	83		5.669				ND	
71 cis-1,3-Dichloropropene	75		5.990				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094				ND	
73 Toluene	92		6.218				ND	
75 trans-1,3-Dichloropropene	75		6.415				ND	
78 1,1,2-Trichloroethane	83		6.560				ND	
79 Tetrachloroethene	166		6.633				ND	
81 2-Hexanone	43		6.726				ND	
82 Chlorodibromomethane	129		6.871				ND	
83 Ethylene Dibromide	107		6.954				ND	
86 Chlorobenzene	112		7.317				ND	
88 Ethylbenzene	91		7.379				ND	
90 m-Xylene & p-Xylene	106		7.472				ND	
91 o-Xylene	106		7.794				ND	
92 Styrene	104		7.804				ND	
93 Bromoform	173		7.990				ND	
95 Isopropylbenzene	105		8.073				ND	
98 1,1,2,2-Tetrachloroethane	83		8.364				ND	
110 1,3-Dichlorobenzene	146		9.110				ND	
113 1,4-Dichlorobenzene	146		9.182				ND	
116 1,2-Dichlorobenzene	146		9.493				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156				ND	
119 1,2,4-Trichlorobenzene	180		10.820				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20160111-49838.b\\T4010.D

Injection Date: 11-Jan-2016 14:02:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-93630-A-1

Lab Sample ID: 480-93630-1

Worklist Smp#: 9

Client ID: MW-2

Purge Vol: 5.000 mL

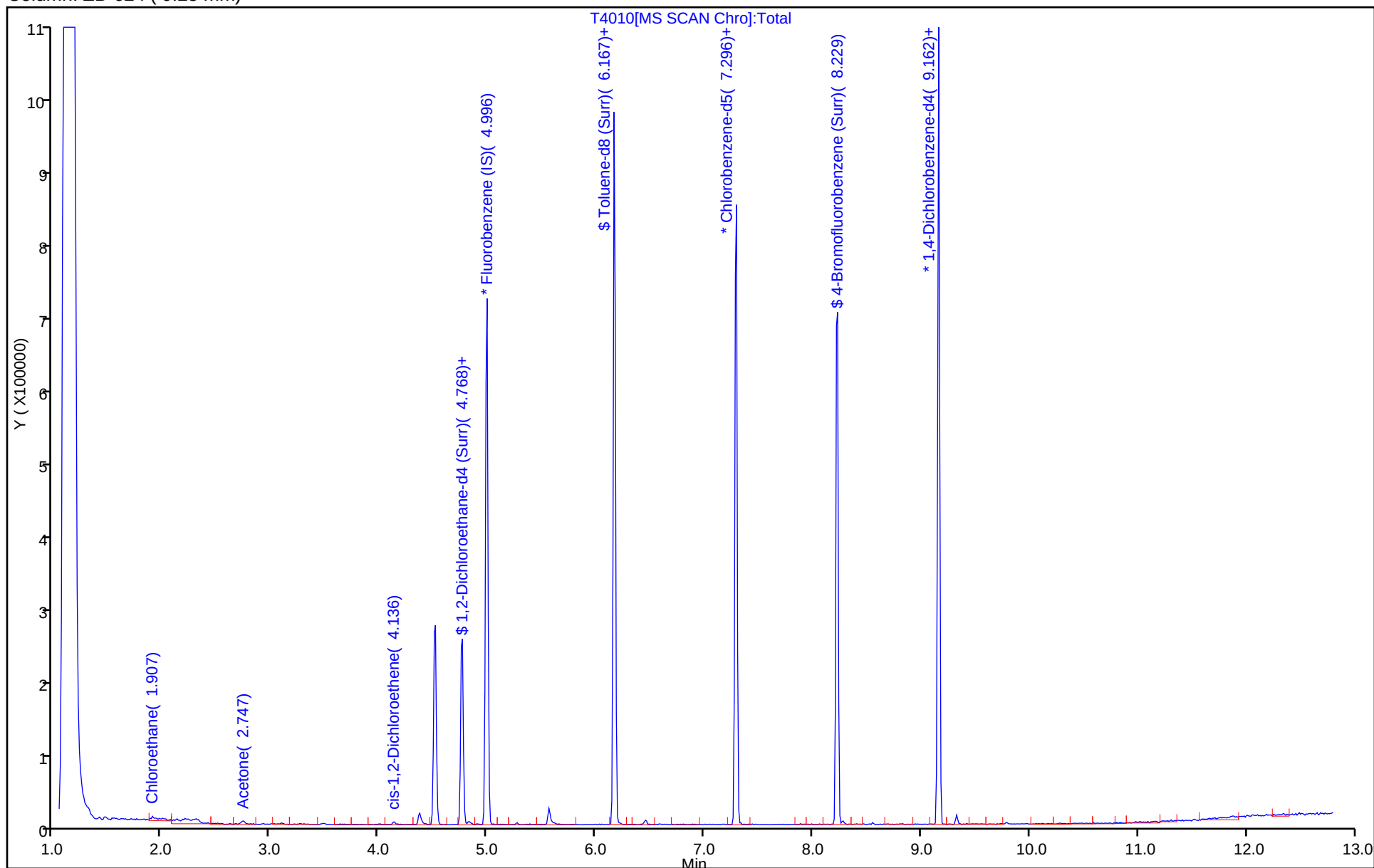
Dil. Factor: 1.0000

ALS Bottle#: 60

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4010.D

Injection Date: 11-Jan-2016 14:02:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-1

Lab Sample ID: 480-93630-1

Client ID: MW-2

Operator ID: gtg

ALS Bottle#: 60

Worklist Smp#: 9

Purge Vol: 5.000 mL

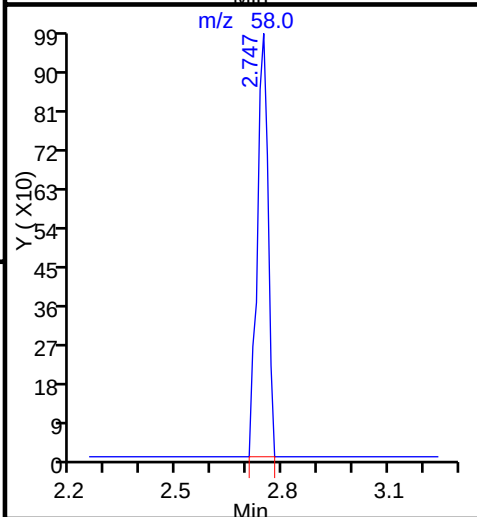
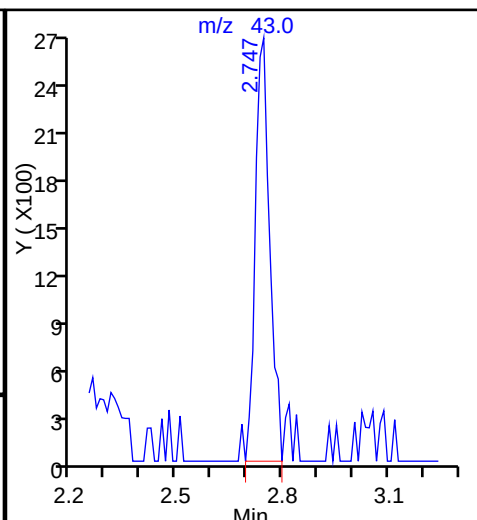
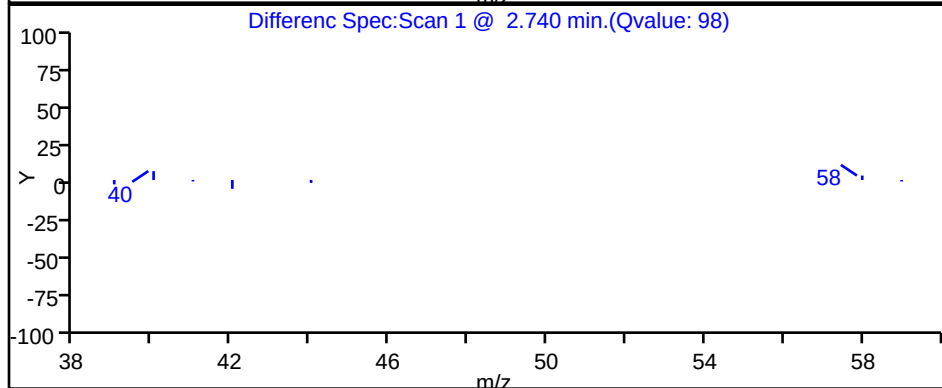
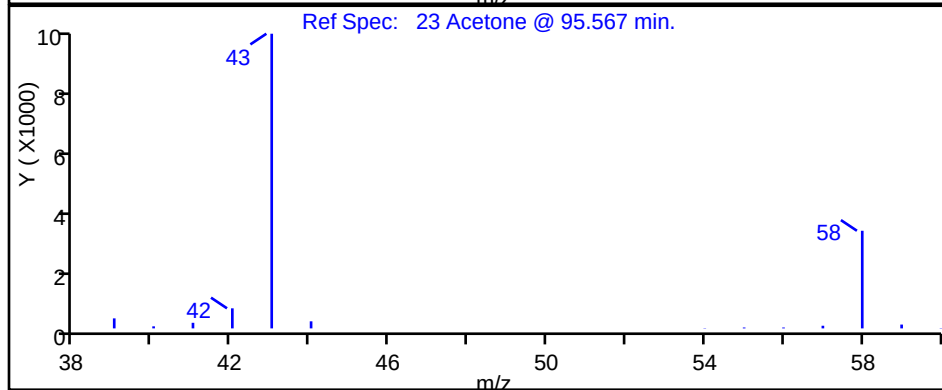
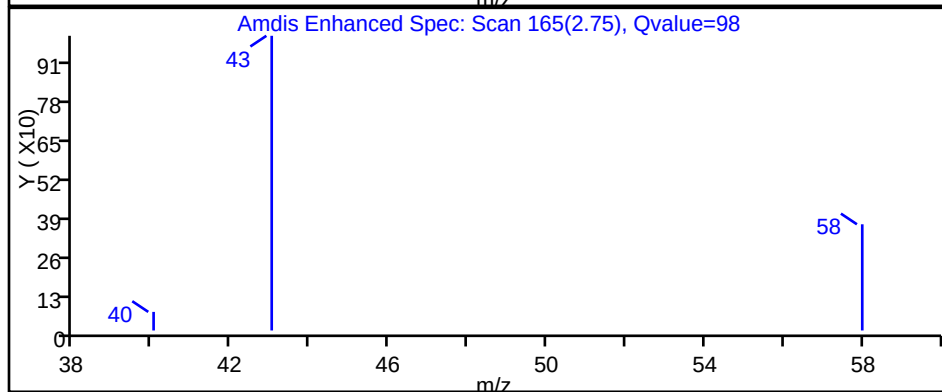
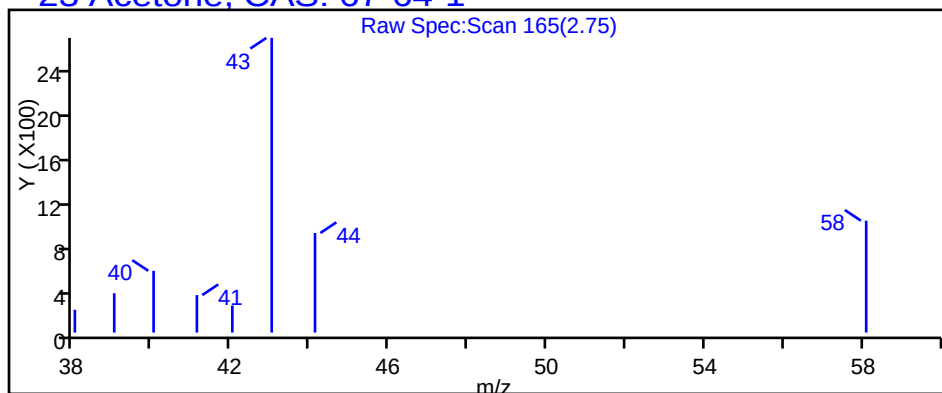
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

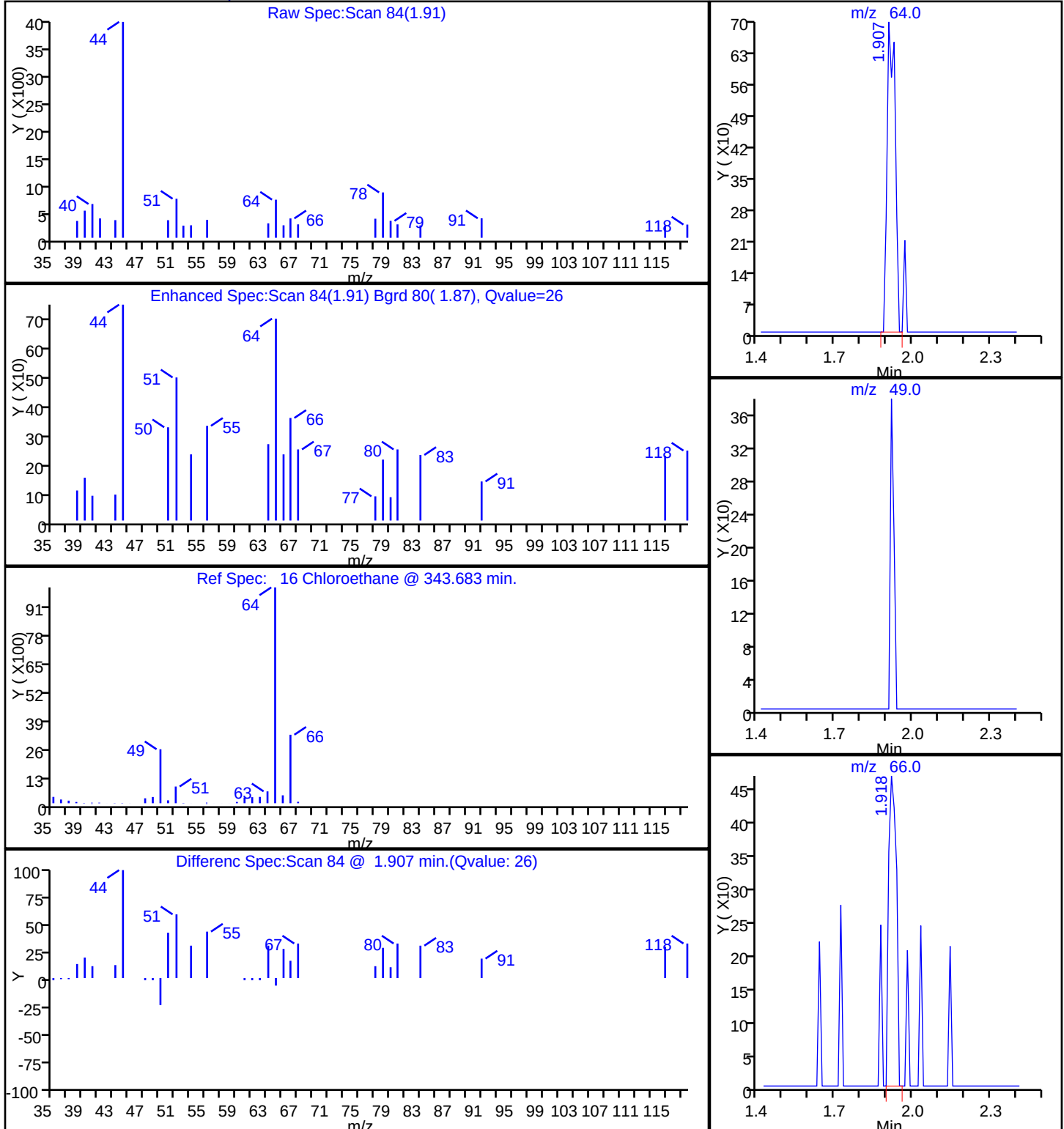
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4010.D
Injection Date: 11-Jan-2016 14:02:30 Instrument ID: HP5975T
Lims ID: 480-93630-A-1 Lab Sample ID: 480-93630-1
Client ID: MW-2
Operator ID: gtg ALS Bottle#: 60 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-3</u>	Lab Sample ID: <u>480-93630-2</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>T4011.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/06/2016 11:45</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/11/2016 14:26</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>282953</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	9.5		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	0.83	J	1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	3.0		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.: 480-93630-1
 SDG No.: _____
 Client Sample ID: MW-3 Lab Sample ID: 480-93630-2
 Matrix: Ground Water Lab File ID: T4011.D
 Analysis Method: 8260C Date Collected: 01/06/2016 11:45
 Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 14:26
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 282953 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	4.2		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)	119		66-137
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	106		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4011.D
 Lims ID: 480-93630-A-2 Lab Sample ID: 480-93630-2
 Client ID: MW-3
 Sample Type: Client
 Inject. Date: 11-Jan-2016 14:26:30 ALS Bottle#: 61 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info:
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 17:58:10 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: fortaing

Date: 11-Jan-2016 17:58:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.985	4.985	0.000	99	96967	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	414563	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.162	-0.001	95	225888	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.757	0.000	0	153315	29.8	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	495268	26.6	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	96	177438	25.3	
11 Dichlorodifluoromethane	85		1.306				ND	
13 Chloromethane	50		1.420				ND	
14 Vinyl chloride	62	1.545	1.545	0.000	99	30104	4.15	
15 Bromomethane	94		1.824				ND	
16 Chloroethane	64	1.918	1.907	0.011	93	2276	0.8264	
17 Trichlorofluoromethane	101		2.187				ND	
22 1,1-Dichloroethene	96		2.633				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643				ND	
23 Acetone	43	2.736	2.726	0.010	36	1840	1.39	
25 Carbon disulfide	76		2.819				ND	
28 Methyl acetate	43		3.006				ND	
30 Methylene Chloride	84		3.099				ND	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	92	1822	0.2915	
33 Methyl tert-butyl ether	73		3.306				ND	
36 1,1-Dichloroethane	63	3.669	3.669	0.000	97	109746	9.50	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	82	20340	2.95	
44 2-Butanone (MEK)	43		4.156				ND	
50 Chloroform	83		4.384				ND	
51 1,1,1-Trichloroethane	97		4.498				ND	
52 Cyclohexane	56		4.519				ND	
53 Carbon tetrachloride	117		4.612				ND	
55 Benzene	78		4.778				ND	
57 1,2-Dichloroethane	62		4.819				ND	
60 Trichloroethene	95		5.265				ND	
62 Methylcyclohexane	83		5.379				ND	
63 1,2-Dichloropropane	63		5.441				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
67 Dichlorobromomethane	83		5.669				ND	
71 cis-1,3-Dichloropropene	75		5.990				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094				ND	
73 Toluene	92		6.218				ND	
75 trans-1,3-Dichloropropene	75		6.415				ND	
78 1,1,2-Trichloroethane	83		6.560				ND	
79 Tetrachloroethene	166		6.633				ND	
81 2-Hexanone	43		6.726				ND	
82 Chlorodibromomethane	129		6.871				ND	
83 Ethylene Dibromide	107		6.954				ND	
86 Chlorobenzene	112		7.317				ND	
88 Ethylbenzene	91		7.379				ND	
90 m-Xylene & p-Xylene	106		7.472				ND	
91 o-Xylene	106		7.794				ND	
92 Styrene	104		7.804				ND	
93 Bromoform	173		7.990				ND	
95 Isopropylbenzene	105		8.073				ND	
98 1,1,2,2-Tetrachloroethane	83		8.364				ND	
110 1,3-Dichlorobenzene	146		9.110				ND	
113 1,4-Dichlorobenzene	146		9.182				ND	
116 1,2-Dichlorobenzene	146		9.493				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156				ND	
119 1,2,4-Trichlorobenzene	180		10.820				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4011.D

Injection Date: 11-Jan-2016 14:26:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-93630-A-2

Lab Sample ID: 480-93630-2

Worklist Smp#: 10

Client ID: MW-3

Purge Vol: 5.000 mL

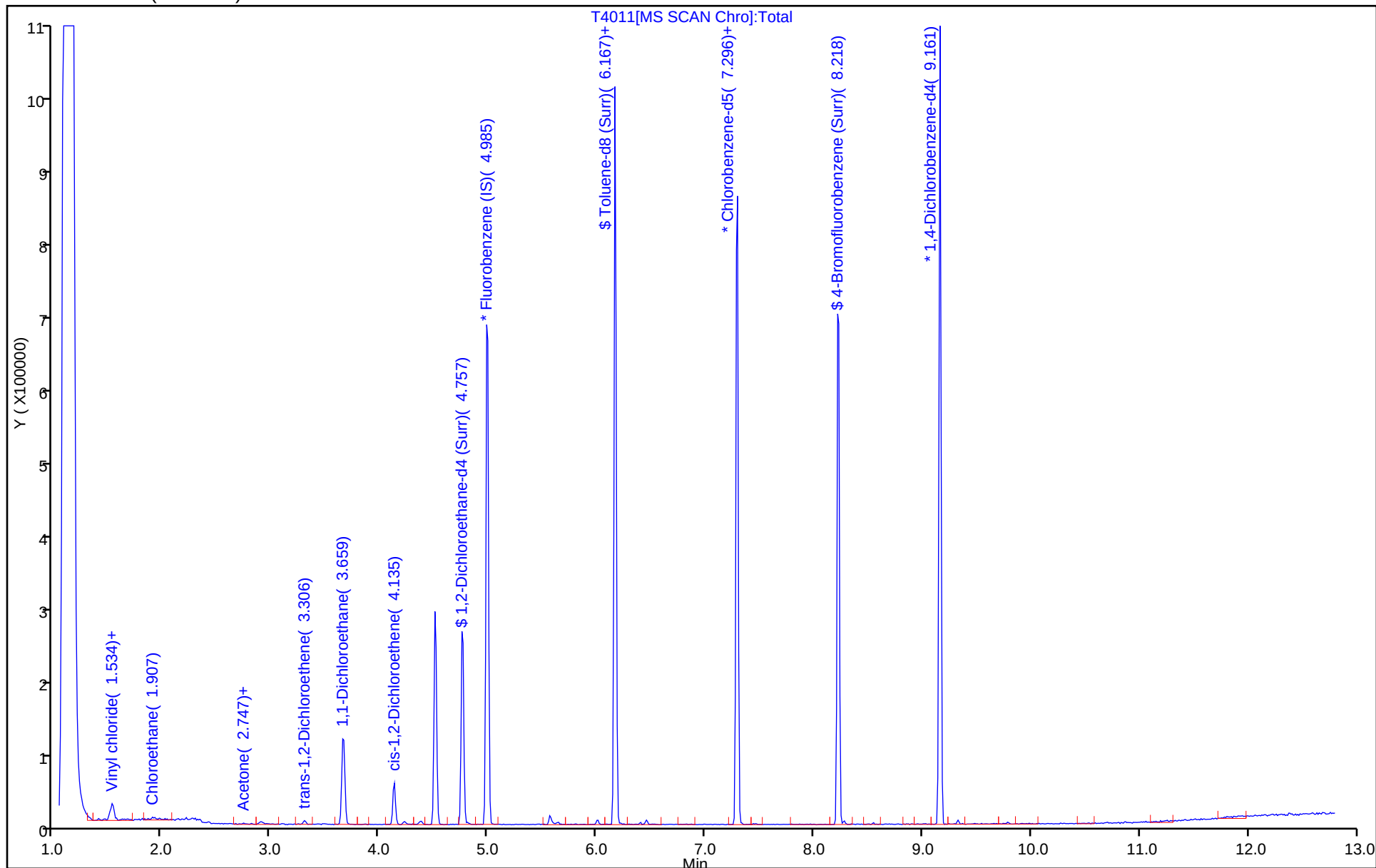
Dil. Factor: 1.0000

ALS Bottle#: 61

Method: T-8260

Limit Group: MV - 8260C ICAL

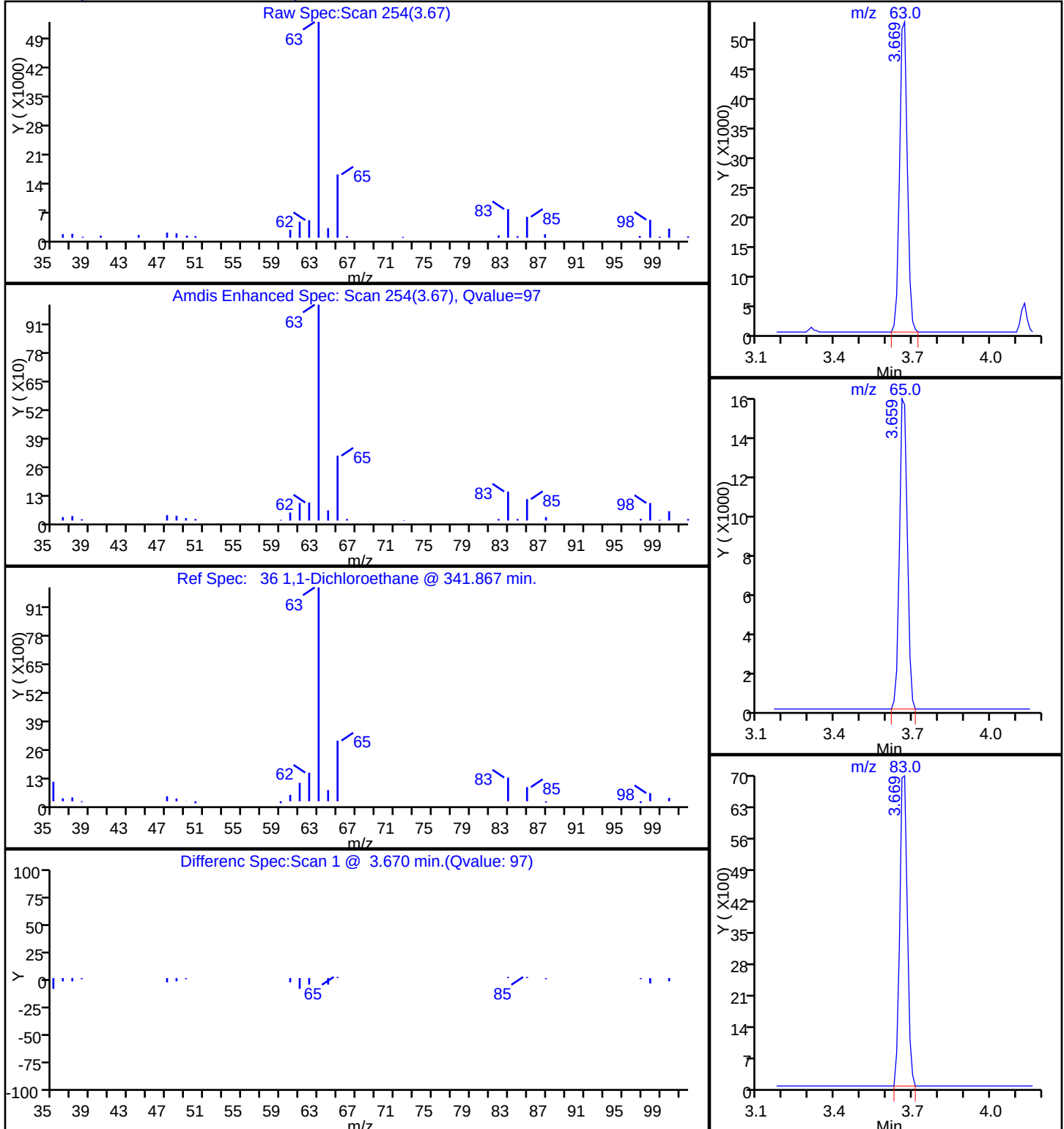
Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4011.D
Injection Date: 11-Jan-2016 14:26:30 Instrument ID: HP5975T
Lims ID: 480-93630-A-2 Lab Sample ID: 480-93630-2
Client ID: MW-3
Operator ID: gtg
Purge Vol: 5.000 mL
Method: T-8260
Column: ZB-624 (0.25 mm)

ALS Bottle#: 61 Worklist Smp#: 10
Dil. Factor: 1.0000
Limit Group: MV - 8260C ICAL
Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4011.D

Injection Date: 11-Jan-2016 14:26:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-2

Lab Sample ID: 480-93630-2

Client ID: MW-3

Operator ID: gtg

ALS Bottle#: 61

Worklist Smp#: 10

Purge Vol: 5.000 mL

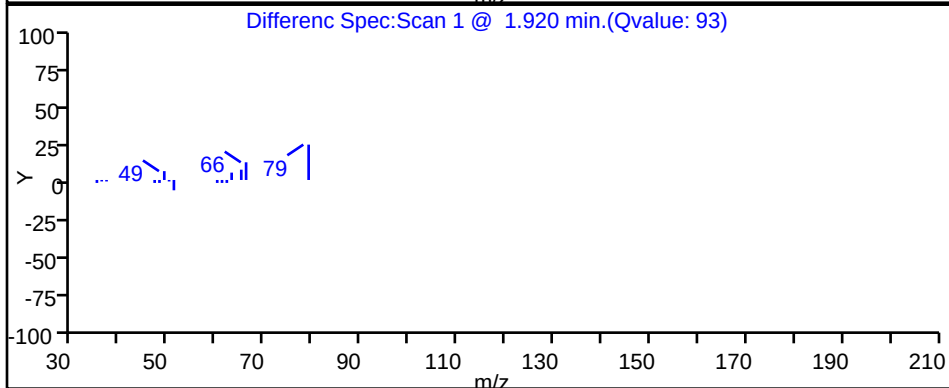
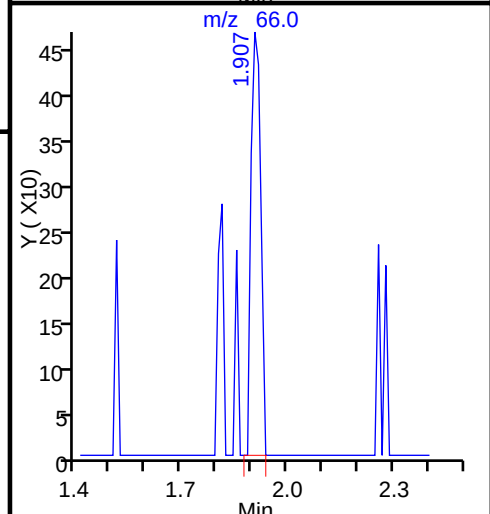
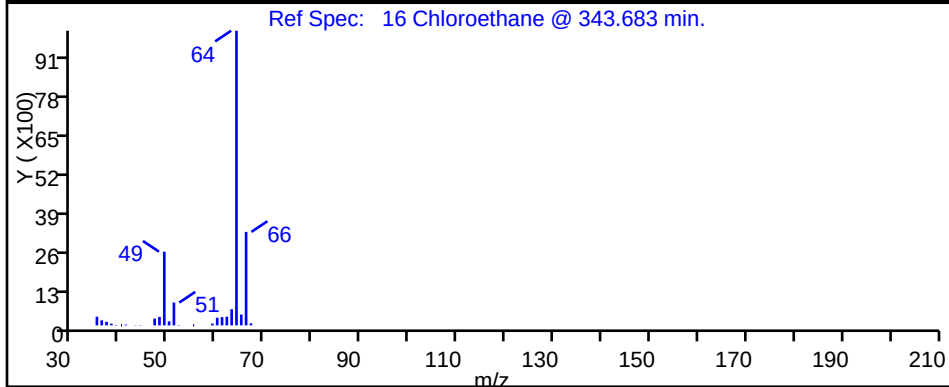
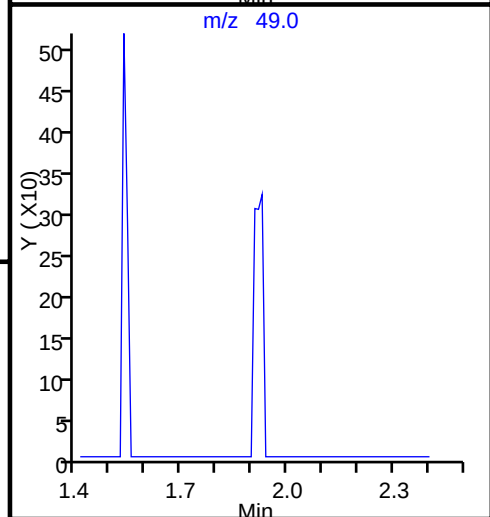
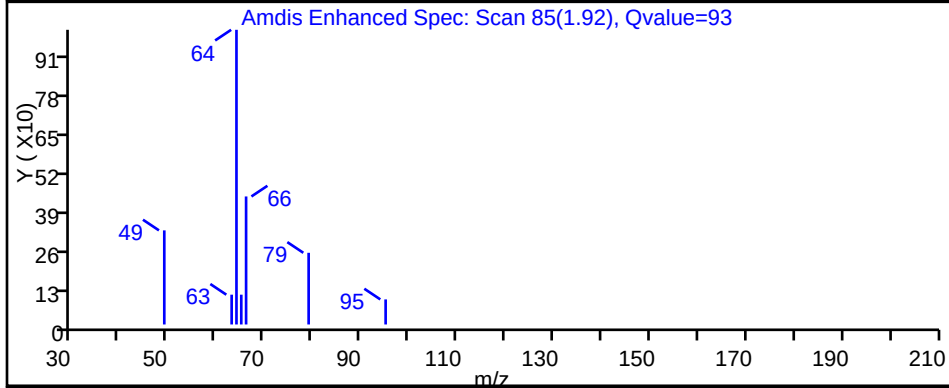
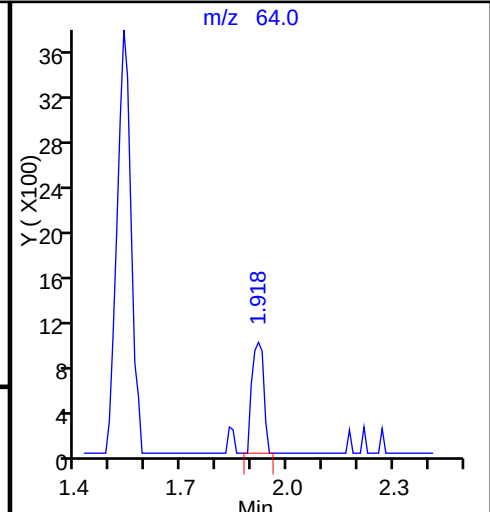
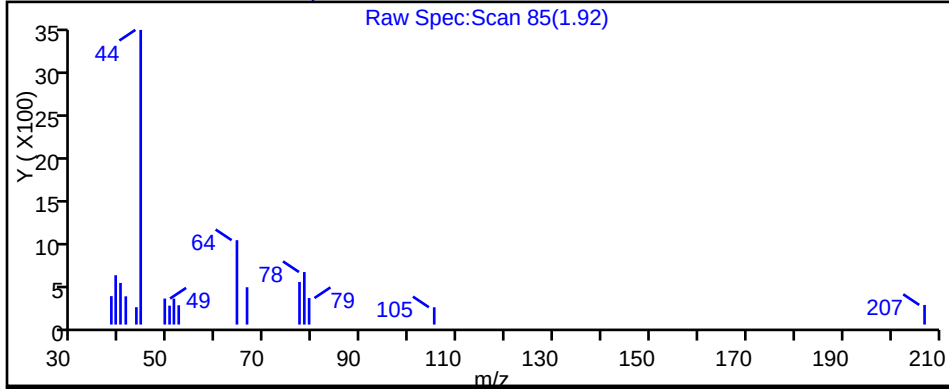
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

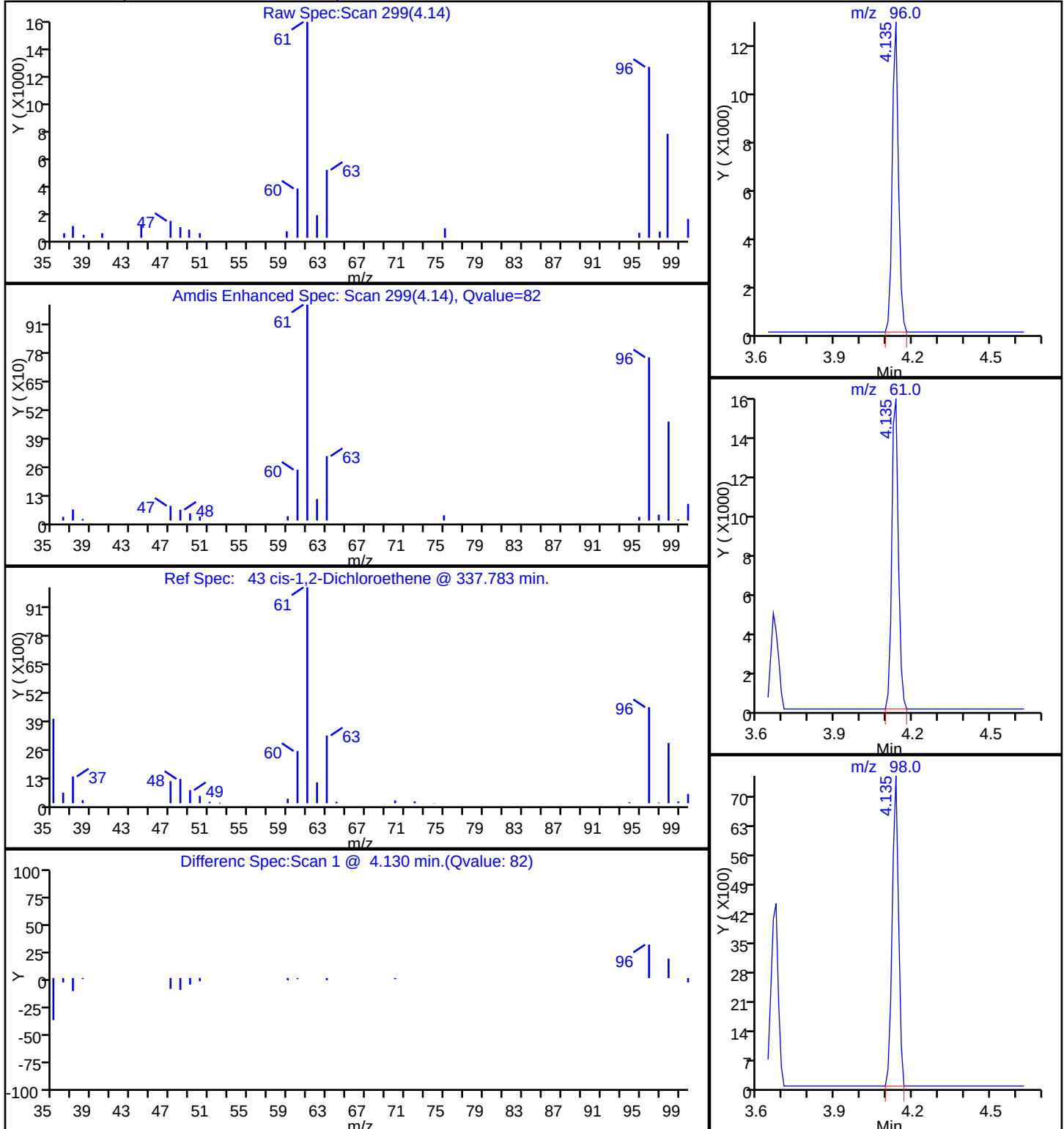
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4011.D
Injection Date: 11-Jan-2016 14:26:30 Instrument ID: HP5975T
Lims ID: 480-93630-A-2 Lab Sample ID: 480-93630-2
Client ID: MW-3
Operator ID: gtg ALS Bottle#: 61 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4011.D

Injection Date: 11-Jan-2016 14:26:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-2

Lab Sample ID: 480-93630-2

Client ID: MW-3

Operator ID: gtg

ALS Bottle#: 61

Worklist Smp#: 10

Purge Vol: 5.000 mL

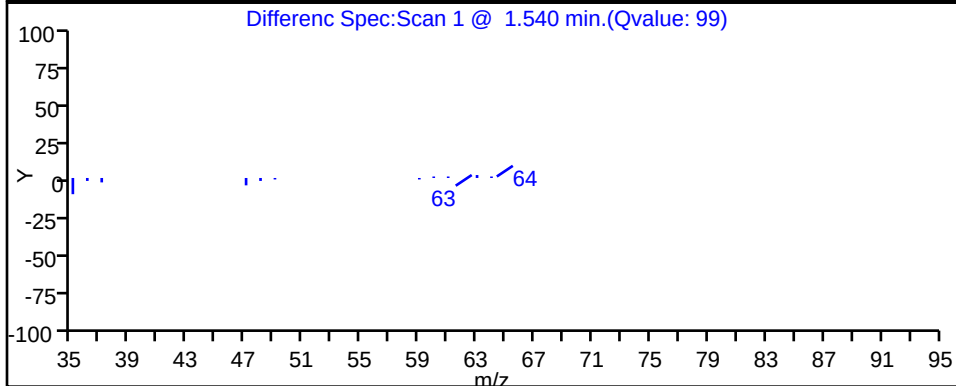
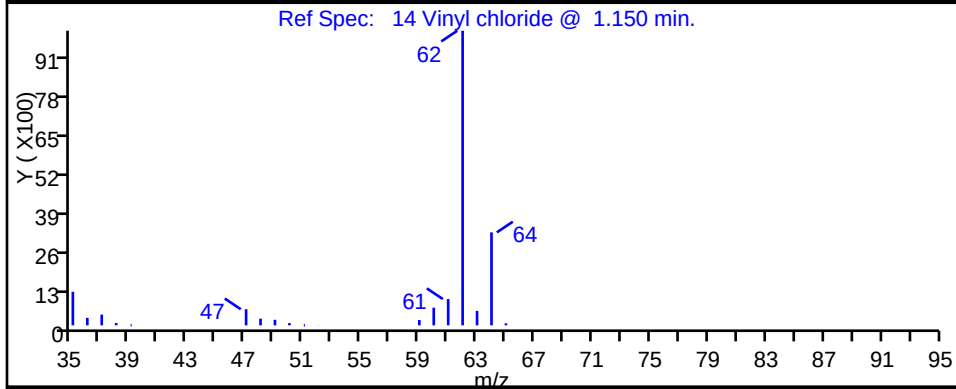
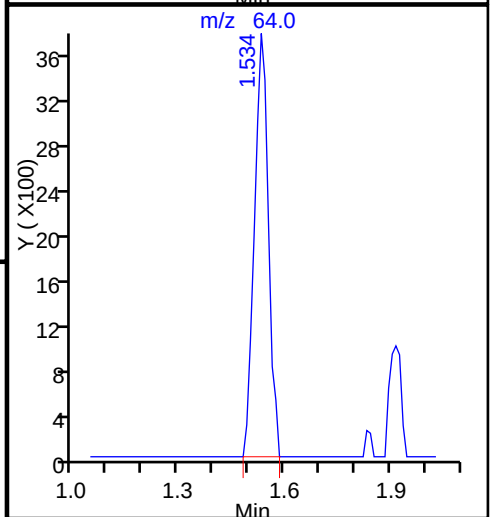
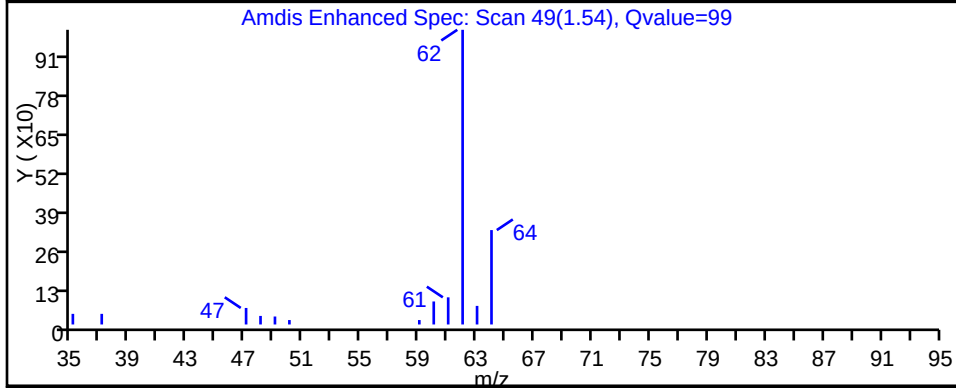
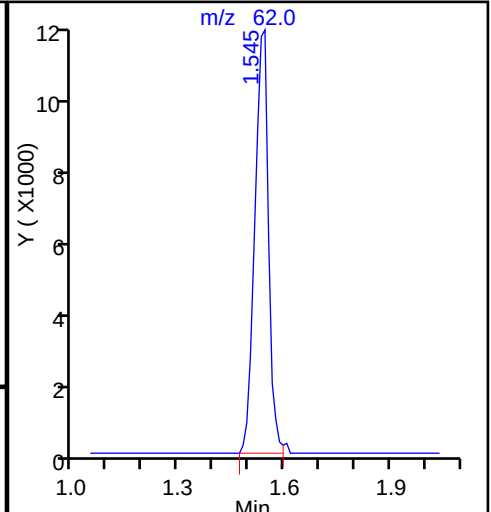
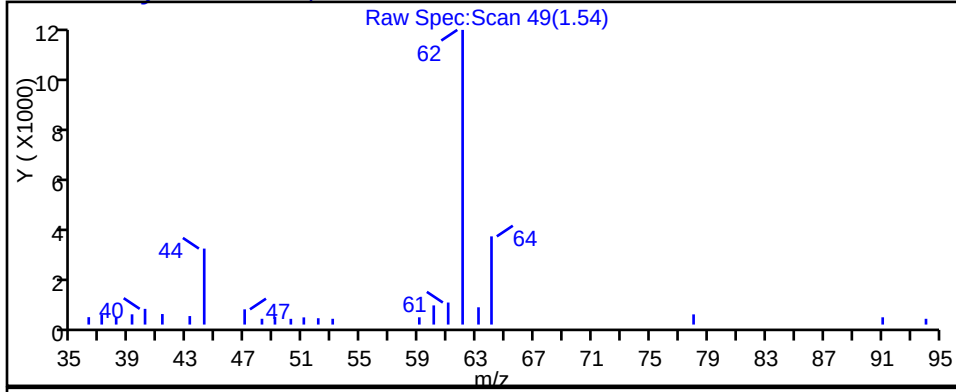
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-4</u>	Lab Sample ID: <u>480-93630-3</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>T4012.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/06/2016 13:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/11/2016 14:50</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>100</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>282953</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	82
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31
79-00-5	1,1,2-Trichloroethane	ND		100	23
75-34-3	1,1-Dichloroethane	270		100	38
75-35-4	1,1-Dichloroethene	ND		100	29
120-82-1	1,2,4-Trichlorobenzene	ND		100	41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	39
106-93-4	1,2-Dibromoethane	ND		100	73
95-50-1	1,2-Dichlorobenzene	ND		100	79
107-06-2	1,2-Dichloroethane	ND		100	21
78-87-5	1,2-Dichloropropane	ND		100	72
541-73-1	1,3-Dichlorobenzene	ND		100	78
106-46-7	1,4-Dichlorobenzene	ND		100	84
78-93-3	2-Butanone (MEK)	ND		1000	130
591-78-6	2-Hexanone	ND		500	120
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	210
67-64-1	Acetone	ND		1000	300
71-43-2	Benzene	ND		100	41
75-27-4	Bromodichloromethane	ND		100	39
75-25-2	Bromoform	ND		100	26
74-83-9	Bromomethane	ND		100	69
75-15-0	Carbon disulfide	ND		100	19
56-23-5	Carbon tetrachloride	ND		100	27
108-90-7	Chlorobenzene	ND		100	75
75-00-3	Chloroethane	41	J	100	32
67-66-3	Chloroform	ND		100	34
74-87-3	Chloromethane	ND		100	35
156-59-2	cis-1,2-Dichloroethene	100		100	81
10061-01-5	cis-1,3-Dichloropropene	ND		100	36
110-82-7	Cyclohexane	ND		100	18
124-48-1	Dibromochloromethane	ND		100	32
75-71-8	Dichlorodifluoromethane	ND		100	68
100-41-4	Ethylbenzene	ND		100	74
98-82-8	Isopropylbenzene	ND		100	79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1

SDG No.: _____

Client Sample ID: MW-4 Lab Sample ID: 480-93630-3

Matrix: Ground Water Lab File ID: T4012.D

Analysis Method: 8260C Date Collected: 01/06/2016 13:10

Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 14:50

Soil Aliquot Vol: _____ Dilution Factor: 100

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 282953 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		250	130
1634-04-4	Methyl tert-butyl ether	ND		100	16
108-87-2	Methylcyclohexane	ND		100	16
75-09-2	Methylene Chloride	ND		100	44
100-42-5	Styrene	ND		100	73
127-18-4	Tetrachloroethene	ND		100	36
108-88-3	Toluene	ND		100	51
156-60-5	trans-1,2-Dichloroethene	ND		100	90
10061-02-6	trans-1,3-Dichloropropene	ND		100	37
79-01-6	Trichloroethene	ND		100	46
75-69-4	Trichlorofluoromethane	ND		100	88
75-01-4	Vinyl chloride	6800	F1	100	90
1330-20-7	Xylenes, Total	ND		200	66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121		66-137
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
2037-26-5	Toluene-d8 (Surr)	105		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4012.D
 Lims ID: 480-93630-A-3 Lab Sample ID: 480-93630-3
 Client ID: MW-4
 Sample Type: Client
 Inject. Date: 11-Jan-2016 14:50:30 ALS Bottle#: 62 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 100.0000
 Sample Info: 480-93630-A-3
 Misc. Info.: 480-0049838-011
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 17:59:13 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: fortaing

Date: 11-Jan-2016 17:59:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.985	4.985	0.000	99	96153	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	418985	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.162	-0.001	95	233259	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.757	0.000	0	154309	30.3	
\$ 6 Toluene-d8 (Surr)	98	6.166	6.167	-0.001	94	495853	26.3	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	96	186015	26.2	
11 Dichlorodifluoromethane	85		1.306				ND	
13 Chloromethane	50		1.420				ND	
14 Vinyl chloride	62	1.545	1.545	0.000	98	489235	68.0	
15 Bromomethane	94		1.824				ND	
16 Chloroethane	64	1.907	1.907	0.000	29	1107	0.4054	
17 Trichlorofluoromethane	101		2.187				ND	
22 1,1-Dichloroethene	96		2.633				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643				ND	
23 Acetone	43		2.726				ND	
25 Carbon disulfide	76		2.819				ND	
28 Methyl acetate	43		3.006				ND	
30 Methylene Chloride	84		3.099				ND	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	96	1856	0.2995	
33 Methyl tert-butyl ether	73		3.306				ND	
36 1,1-Dichloroethane	63	3.669	3.669	0.000	96	31454	2.75	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	77	6805	1.00	
44 2-Butanone (MEK)	43		4.156				ND	
50 Chloroform	83		4.384				ND	
51 1,1,1-Trichloroethane	97		4.498				ND	
52 Cyclohexane	56		4.519				ND	
53 Carbon tetrachloride	117		4.612				ND	
55 Benzene	78		4.778				ND	
57 1,2-Dichloroethane	62		4.819				ND	
60 Trichloroethene	95		5.265				ND	
62 Methylcyclohexane	83		5.379				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		5.441				ND	
67 Dichlorobromomethane	83		5.669				ND	
71 cis-1,3-Dichloropropene	75		5.990				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094				ND	
73 Toluene	92		6.218				ND	
75 trans-1,3-Dichloropropene	75		6.415				ND	
78 1,1,2-Trichloroethane	83		6.560				ND	
79 Tetrachloroethene	166		6.633				ND	
81 2-Hexanone	43		6.726				ND	
82 Chlorodibromomethane	129		6.871				ND	
83 Ethylene Dibromide	107		6.954				ND	
86 Chlorobenzene	112		7.317				ND	
88 Ethylbenzene	91		7.379				ND	
90 m-Xylene & p-Xylene	106		7.472				ND	
91 o-Xylene	106		7.794				ND	
92 Styrene	104		7.804				ND	
93 Bromoform	173		7.990				ND	
95 Isopropylbenzene	105		8.073				ND	
98 1,1,2,2-Tetrachloroethane	83		8.364				ND	
110 1,3-Dichlorobenzene	146		9.110				ND	
113 1,4-Dichlorobenzene	146		9.182				ND	
116 1,2-Dichlorobenzene	146		9.493				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156				ND	
119 1,2,4-Trichlorobenzene	180		10.820				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4012.D

Injection Date: 11-Jan-2016 14:50:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-93630-A-3

Lab Sample ID: 480-93630-3

Worklist Smp#: 11

Client ID: MW-4

Purge Vol: 5.000 mL

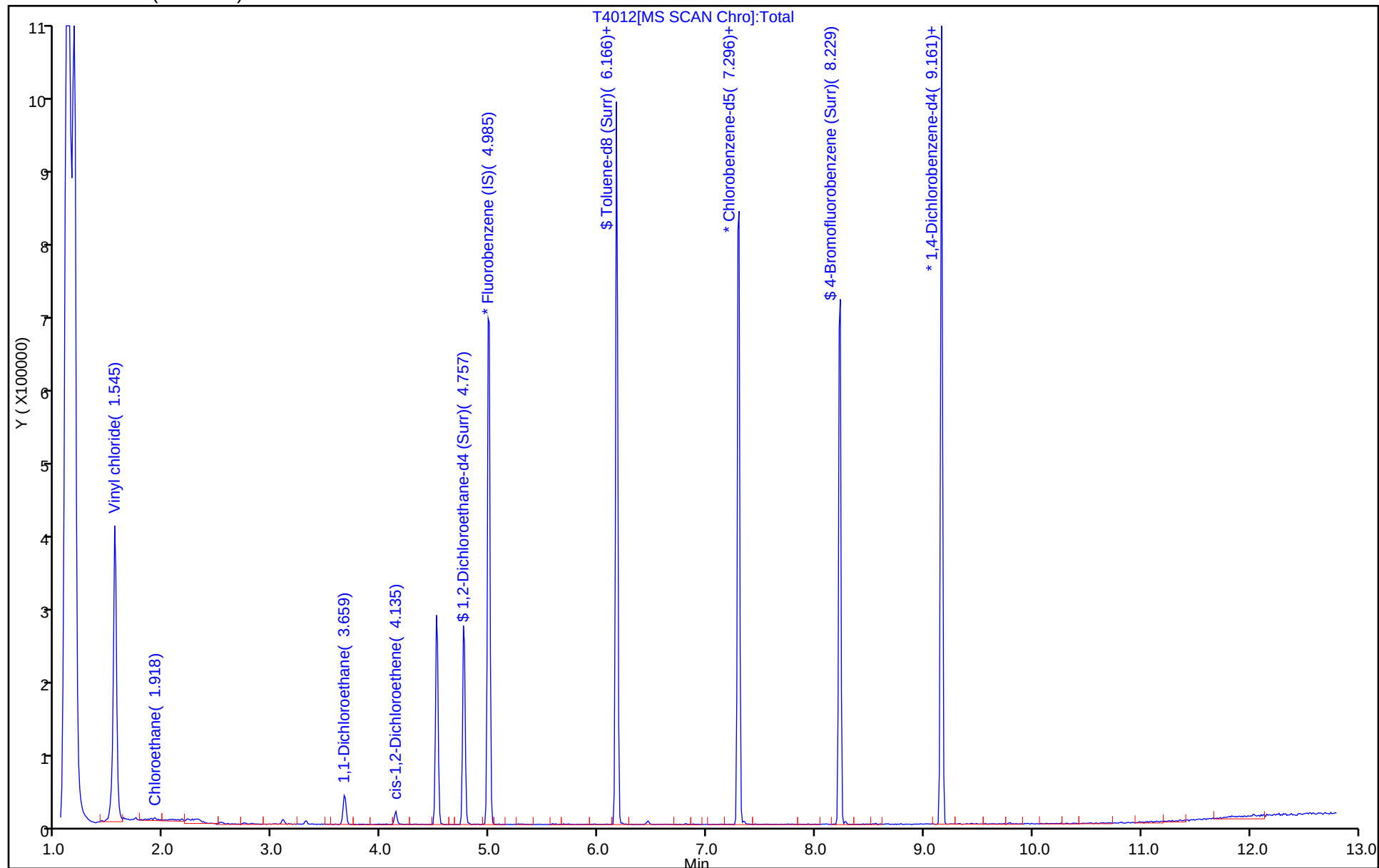
Dil. Factor: 100.0000

ALS Bottle#: 62

Method: T-8260

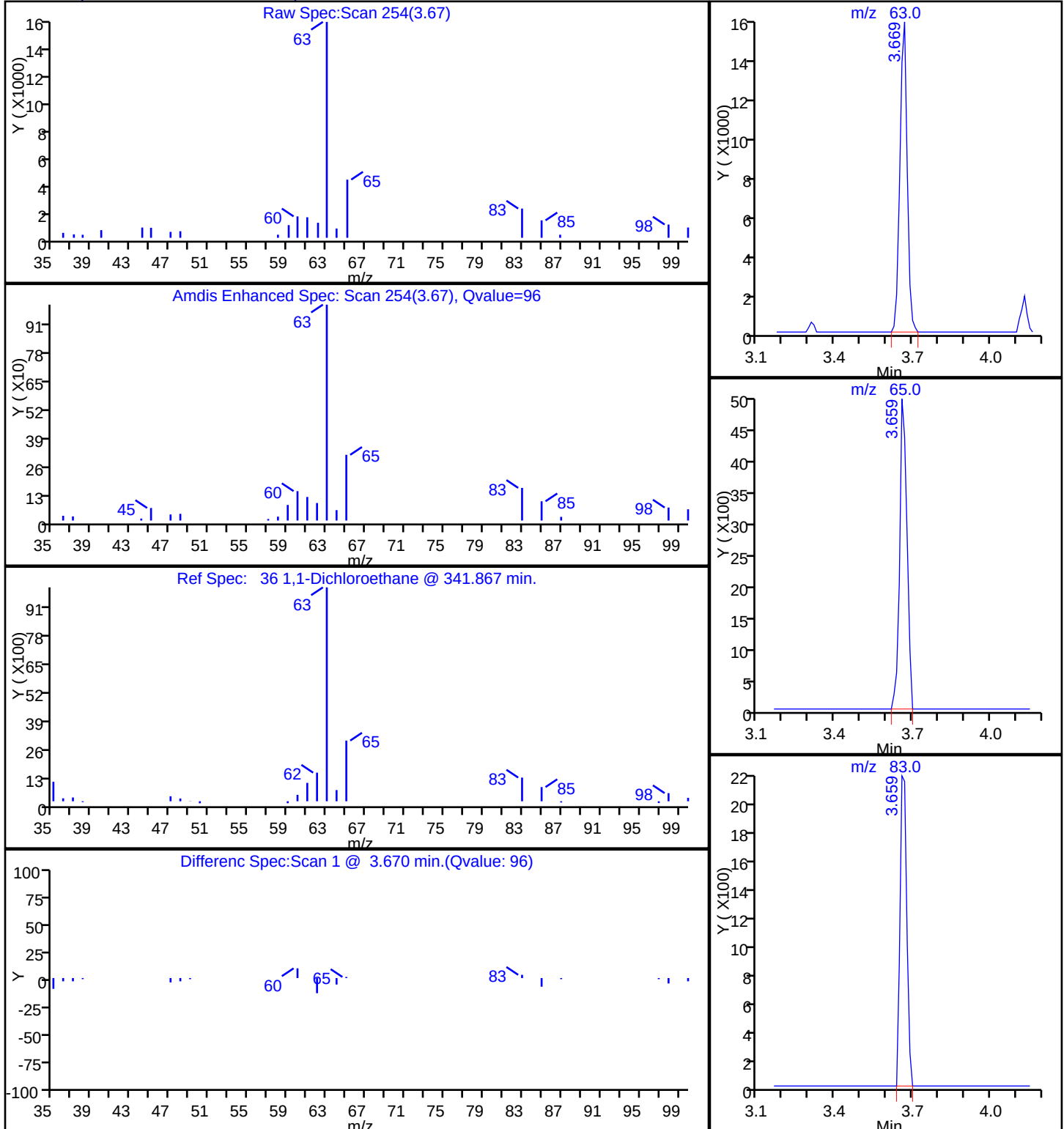
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4012.D
Injection Date: 11-Jan-2016 14:50:30 Instrument ID: HP5975T
Lims ID: 480-93630-A-3 Lab Sample ID: 480-93630-3
Client ID: MW-4
Operator ID: gtg ALS Bottle#: 62 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 100.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4012.D

Injection Date: 11-Jan-2016 14:50:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-3

Lab Sample ID: 480-93630-3

Client ID: MW-4

Operator ID: gtg

ALS Bottle#: 62

Worklist Smp#: 11

Purge Vol: 5.000 mL

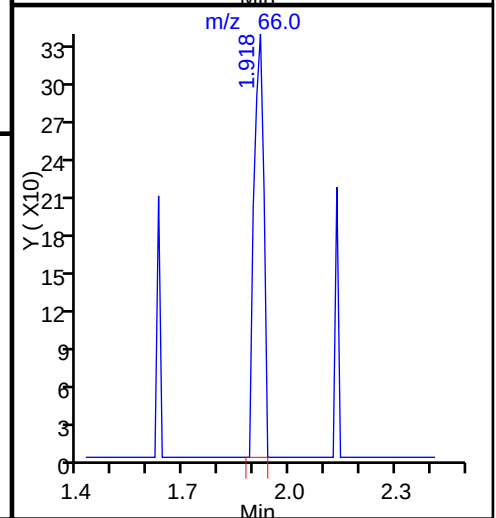
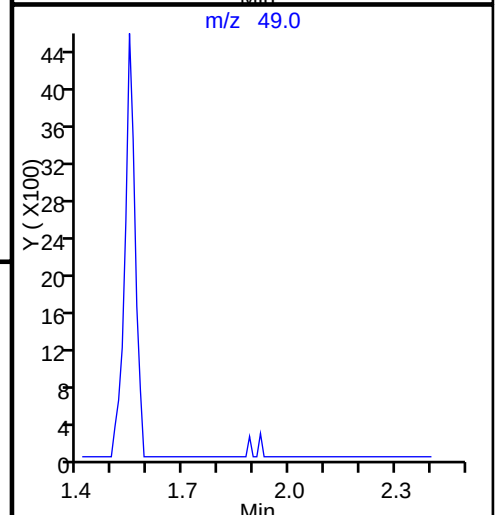
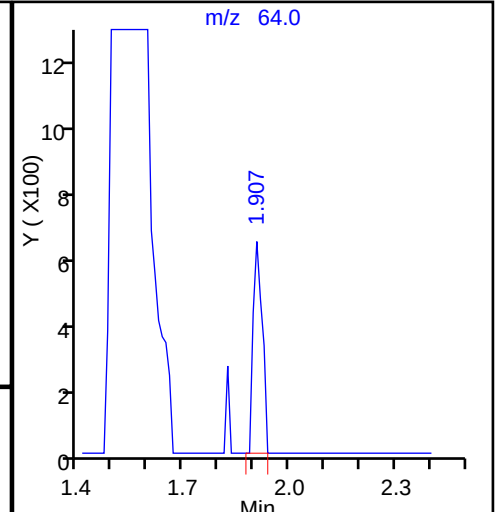
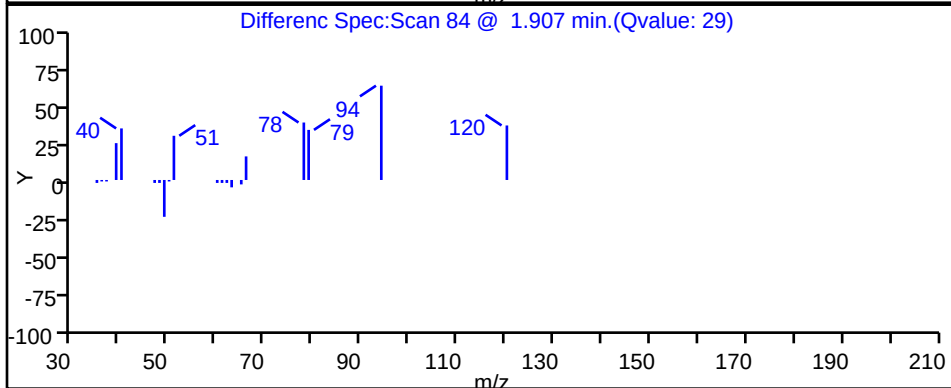
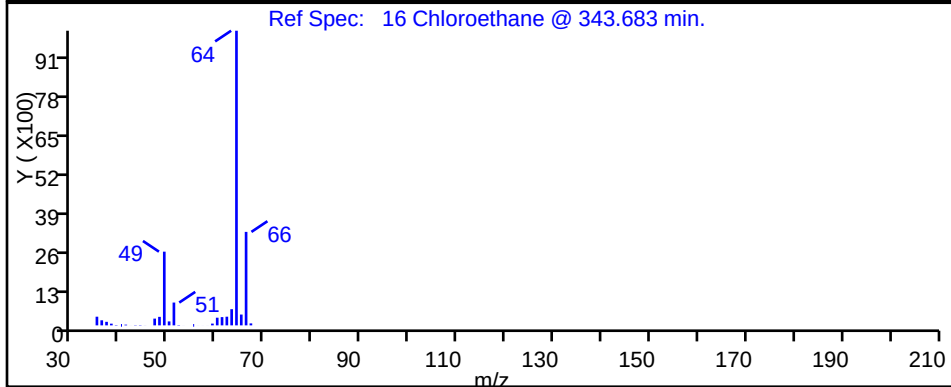
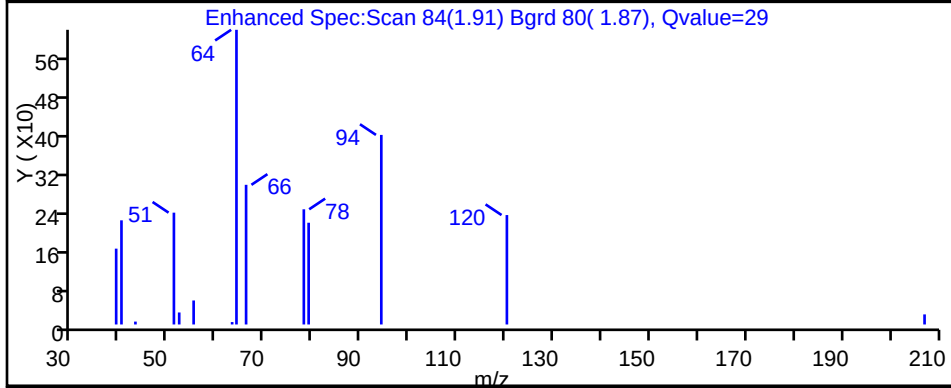
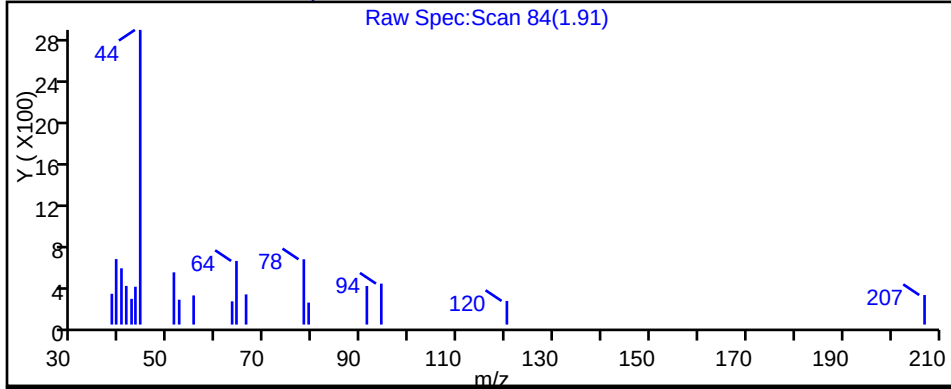
Dil. Factor: 100.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

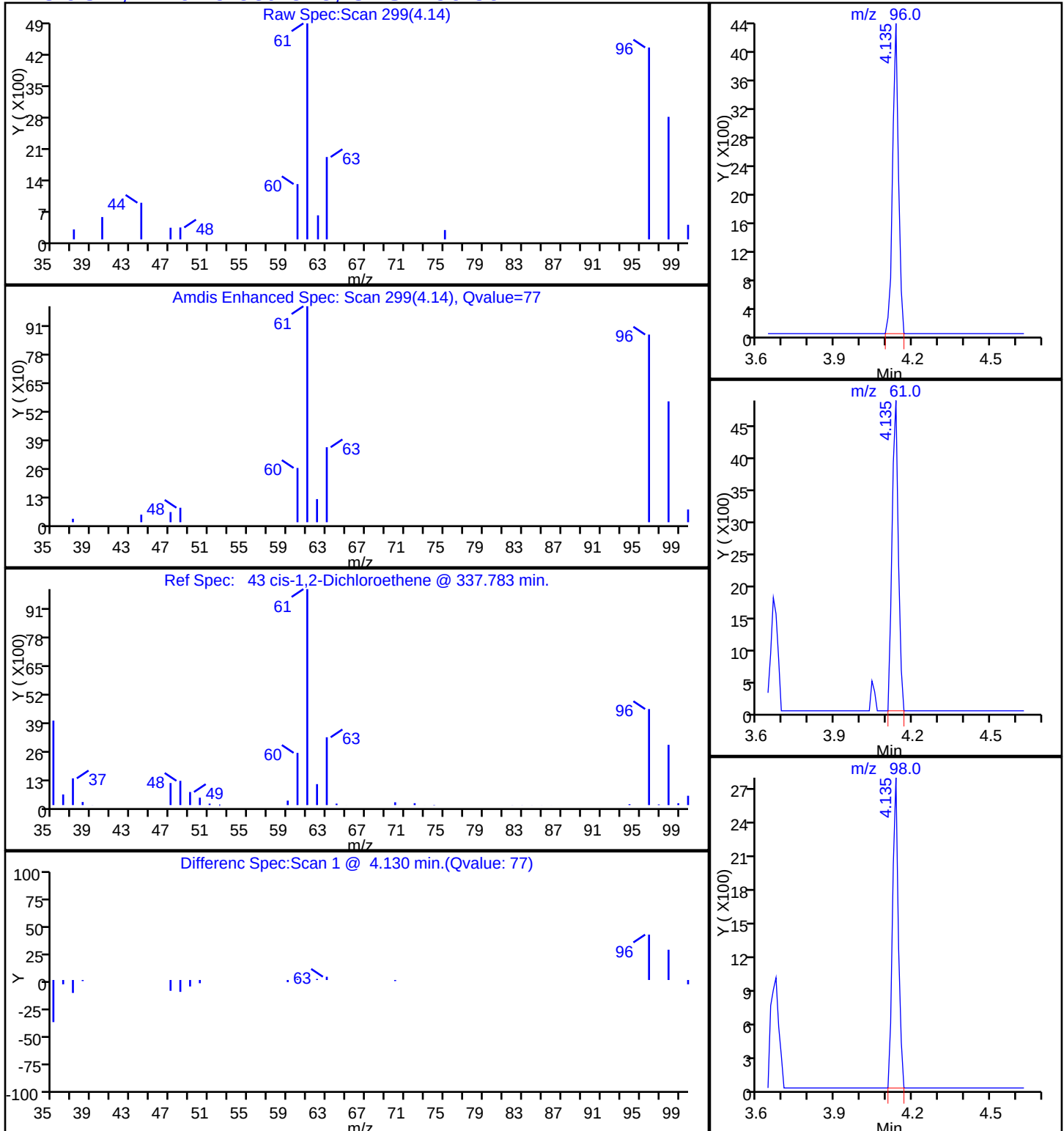
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4012.D
Injection Date: 11-Jan-2016 14:50:30 Instrument ID: HP5975T
Lims ID: 480-93630-A-3 Lab Sample ID: 480-93630-3
Client ID: MW-4
Operator ID: gtg ALS Bottle#: 62 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 100.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4012.D

Injection Date: 11-Jan-2016 14:50:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-3

Lab Sample ID: 480-93630-3

Client ID: MW-4

Operator ID: gtg

ALS Bottle#: 62

Worklist Smp#: 11

Purge Vol: 5.000 mL

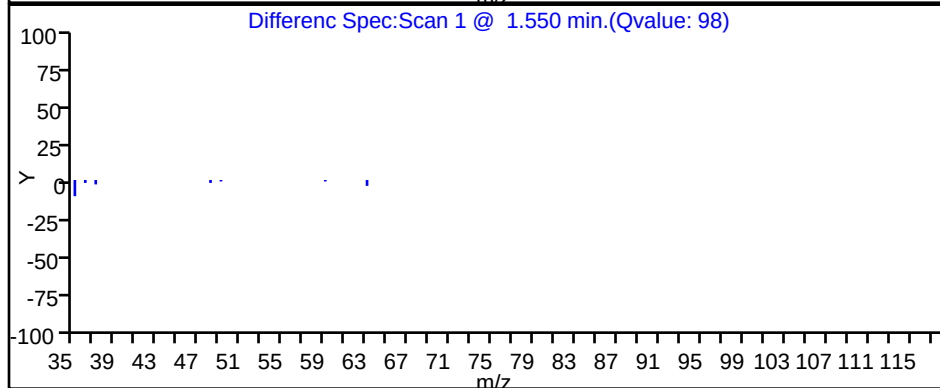
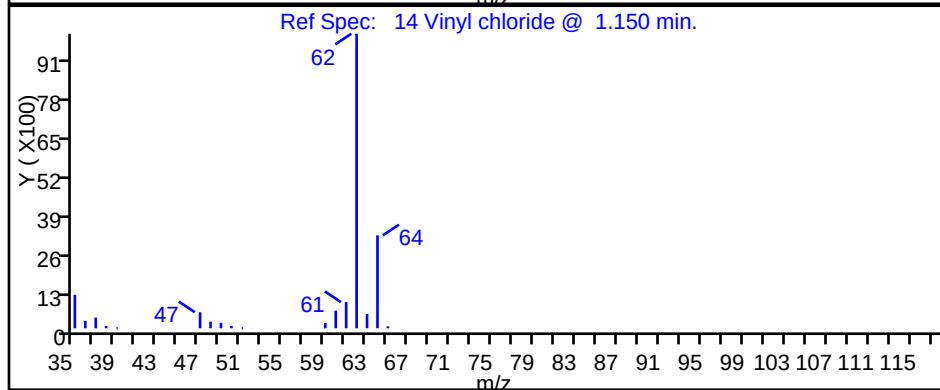
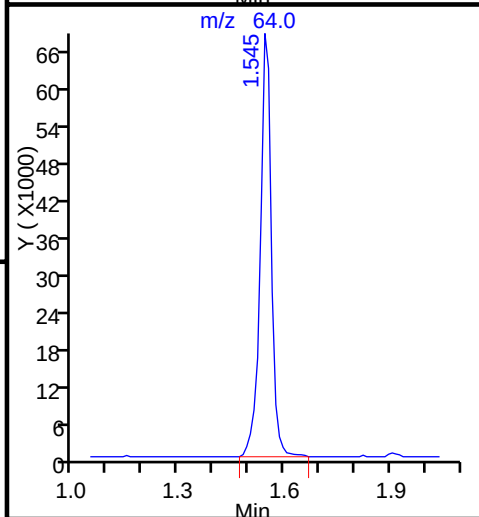
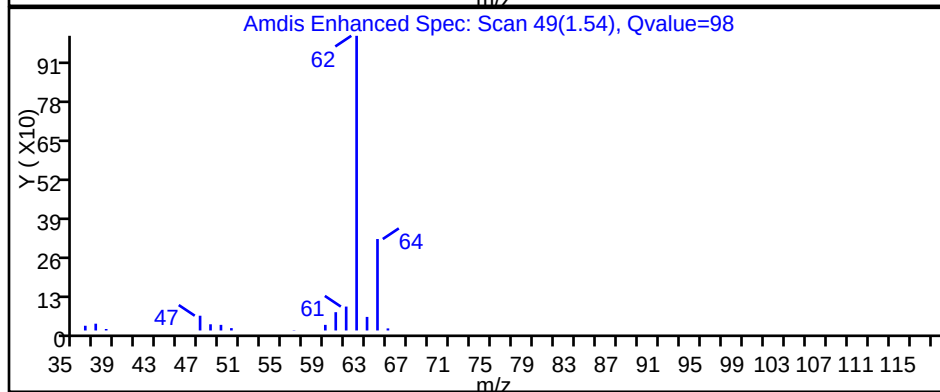
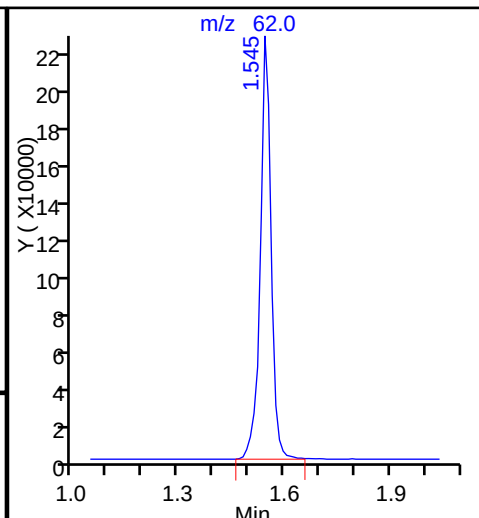
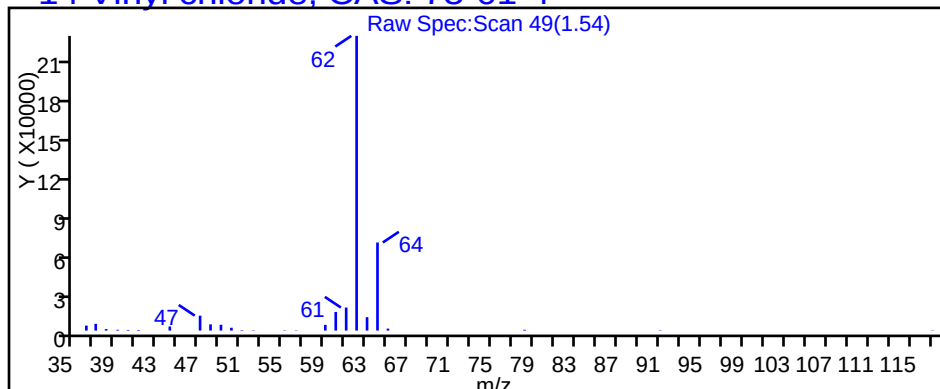
Dil. Factor: 100.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-6</u>	Lab Sample ID: <u>480-93630-4</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>T4013.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/06/2016 09:20</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/11/2016 15:14</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>282953</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.: 480-93630-1

SDG No.: _____

Client Sample ID: MW-6 Lab Sample ID: 480-93630-4

Matrix: Ground Water Lab File ID: T4013.D

Analysis Method: 8260C Date Collected: 01/06/2016 09:20

Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 15:14

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 282953 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)	120		66-137
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
2037-26-5	Toluene-d8 (Surr)	107		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4013.D
 Lims ID: 480-93630-A-4 Lab Sample ID: 480-93630-4
 Client ID: MW-6
 Sample Type: Client
 Inject. Date: 11-Jan-2016 15:14:30 ALS Bottle#: 63 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-93630-A-4
 Misc. Info.: 480-0049838-012
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 17:59:38 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: fortaing

Date: 11-Jan-2016 17:59:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.996	4.985	0.011	99	95436	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	86	413985	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.162	9.162	0.000	94	230116	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.768	4.757	0.011	0	151436	29.9	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	498070	26.8	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	95	182911	26.1	
11 Dichlorodifluoromethane	85		1.306				ND	
13 Chloromethane	50		1.420				ND	
14 Vinyl chloride	62	1.545	1.545	0.000	93	2665	0.3733	
15 Bromomethane	94		1.824				ND	
16 Chloroethane	64		1.907				ND	
17 Trichlorofluoromethane	101		2.187				ND	
22 1,1-Dichloroethene	96		2.633				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643				ND	
23 Acetone	43		2.726				ND	
25 Carbon disulfide	76		2.819				ND	
28 Methyl acetate	43		3.006				ND	
30 Methylene Chloride	84		3.099				ND	
32 trans-1,2-Dichloroethene	96		3.306				ND	
33 Methyl tert-butyl ether	73		3.306				ND	
36 1,1-Dichloroethane	63		3.669				ND	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	80	1769	0.2609	
44 2-Butanone (MEK)	43		4.156				ND	
50 Chloroform	83		4.384				ND	
51 1,1,1-Trichloroethane	97		4.498				ND	
52 Cyclohexane	56		4.519				ND	
53 Carbon tetrachloride	117		4.612				ND	
55 Benzene	78		4.778				ND	
57 1,2-Dichloroethane	62		4.819				ND	
60 Trichloroethene	95		5.265				ND	
62 Methylcyclohexane	83		5.379				ND	

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4013.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		5.441				ND	
67 Dichlorobromomethane	83		5.669				ND	
71 cis-1,3-Dichloropropene	75		5.990				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094				ND	
73 Toluene	92		6.218				ND	
75 trans-1,3-Dichloropropene	75		6.415				ND	
78 1,1,2-Trichloroethane	83		6.560				ND	
79 Tetrachloroethene	166		6.633				ND	
81 2-Hexanone	43		6.726				ND	
82 Chlorodibromomethane	129		6.871				ND	
83 Ethylene Dibromide	107		6.954				ND	
86 Chlorobenzene	112		7.317				ND	
88 Ethylbenzene	91		7.379				ND	
90 m-Xylene & p-Xylene	106		7.472				ND	
91 o-Xylene	106		7.794				ND	
92 Styrene	104		7.804				ND	
93 Bromoform	173		7.990				ND	
95 Isopropylbenzene	105		8.073				ND	
98 1,1,2,2-Tetrachloroethane	83		8.364				ND	
110 1,3-Dichlorobenzene	146		9.110				ND	
113 1,4-Dichlorobenzene	146		9.182				ND	
116 1,2-Dichlorobenzene	146		9.493				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156				ND	
119 1,2,4-Trichlorobenzene	180		10.820				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4013.D

Injection Date: 11-Jan-2016 15:14:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-93630-A-4

Lab Sample ID: 480-93630-4

Worklist Smp#: 12

Client ID: MW-6

Purge Vol: 5.000 mL

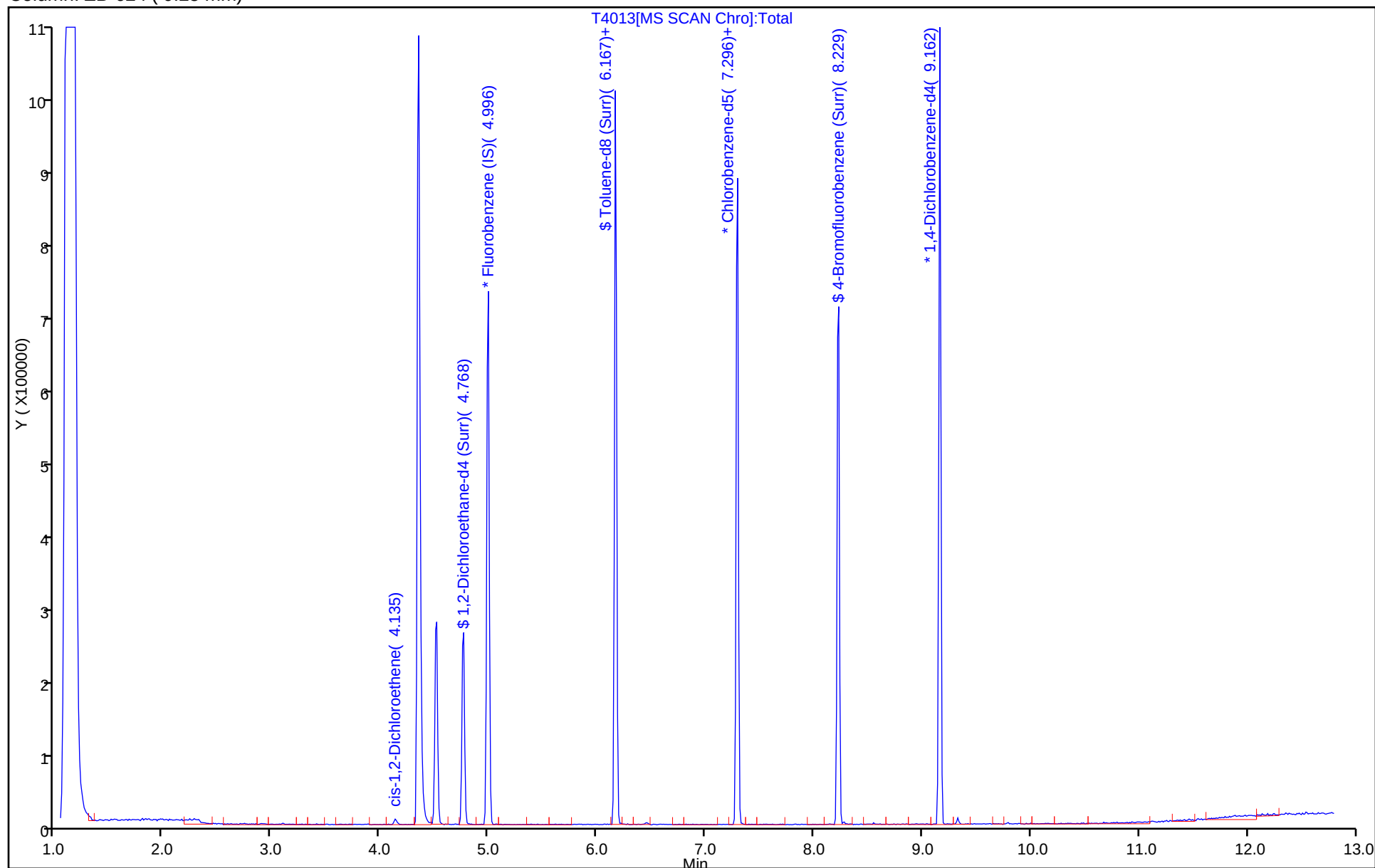
Dil. Factor: 1.0000

ALS Bottle#: 63

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-10</u>	Lab Sample ID: <u>480-93630-5</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>T4014.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/06/2016 10:08</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/11/2016 15:38</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>282953</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.: 480-93630-1
 SDG No.: _____
 Client Sample ID: MW-10 Lab Sample ID: 480-93630-5
 Matrix: Ground Water Lab File ID: T4014.D
 Analysis Method: 8260C Date Collected: 01/06/2016 10:08
 Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 15:38
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 282953 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)	119		66-137
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	107		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4014.D
 Lims ID: 480-93630-A-5 Lab Sample ID: 480-93630-5
 Client ID: MW-10
 Sample Type: Client
 Inject. Date: 11-Jan-2016 15:38:30 ALS Bottle#: 64 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-93630-A-5
 Misc. Info.: 480-0049838-013
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 18:00:01 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: fortaing

Date: 11-Jan-2016 18:00:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.996	4.985	0.011	99	95736	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	425503	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.162	-0.001	95	228902	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.768	4.757	0.011	0	150473	29.6	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	509700	26.6	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	96	181847	25.2	
11 Dichlorodifluoromethane	85		1.306				ND	
13 Chloromethane	50		1.420				ND	
14 Vinyl chloride	62		1.545				ND	
15 Bromomethane	94		1.824				ND	
16 Chloroethane	64		1.907				ND	
17 Trichlorofluoromethane	101		2.187				ND	
22 1,1-Dichloroethene	96		2.633				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643				ND	
23 Acetone	43		2.726				ND	
25 Carbon disulfide	76		2.819				ND	
28 Methyl acetate	43		3.006				ND	
30 Methylene Chloride	84		3.099				ND	
32 trans-1,2-Dichloroethene	96		3.306				ND	
33 Methyl tert-butyl ether	73		3.306				ND	
36 1,1-Dichloroethane	63		3.669				ND	
43 cis-1,2-Dichloroethene	96		4.135				ND	
44 2-Butanone (MEK)	43		4.156				ND	
50 Chloroform	83		4.384				ND	
51 1,1,1-Trichloroethane	97		4.498				ND	
52 Cyclohexane	56		4.519				ND	
53 Carbon tetrachloride	117		4.612				ND	
55 Benzene	78		4.778				ND	
57 1,2-Dichloroethane	62		4.819				ND	
60 Trichloroethene	95		5.265				ND	
62 Methylcyclohexane	83		5.379				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		5.441				ND	
67 Dichlorobromomethane	83		5.669				ND	
71 cis-1,3-Dichloropropene	75		5.990				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094				ND	
73 Toluene	92		6.218				ND	
75 trans-1,3-Dichloropropene	75		6.415				ND	
78 1,1,2-Trichloroethane	83		6.560				ND	
79 Tetrachloroethene	166		6.633				ND	
81 2-Hexanone	43		6.726				ND	
82 Chlorodibromomethane	129		6.871				ND	
83 Ethylene Dibromide	107		6.954				ND	
86 Chlorobenzene	112		7.317				ND	
88 Ethylbenzene	91		7.379				ND	
90 m-Xylene & p-Xylene	106		7.472				ND	
91 o-Xylene	106		7.794				ND	
92 Styrene	104		7.804				ND	
93 Bromoform	173		7.990				ND	
95 Isopropylbenzene	105		8.073				ND	
98 1,1,2,2-Tetrachloroethane	83		8.364				ND	
110 1,3-Dichlorobenzene	146		9.110				ND	
113 1,4-Dichlorobenzene	146		9.182				ND	
116 1,2-Dichlorobenzene	146		9.493				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156				ND	
119 1,2,4-Trichlorobenzene	180		10.820				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4014.D

Injection Date: 11-Jan-2016 15:38:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-93630-A-5

Lab Sample ID: 480-93630-5

Worklist Smp#: 13

Client ID: MW-10

Purge Vol: 5.000 mL

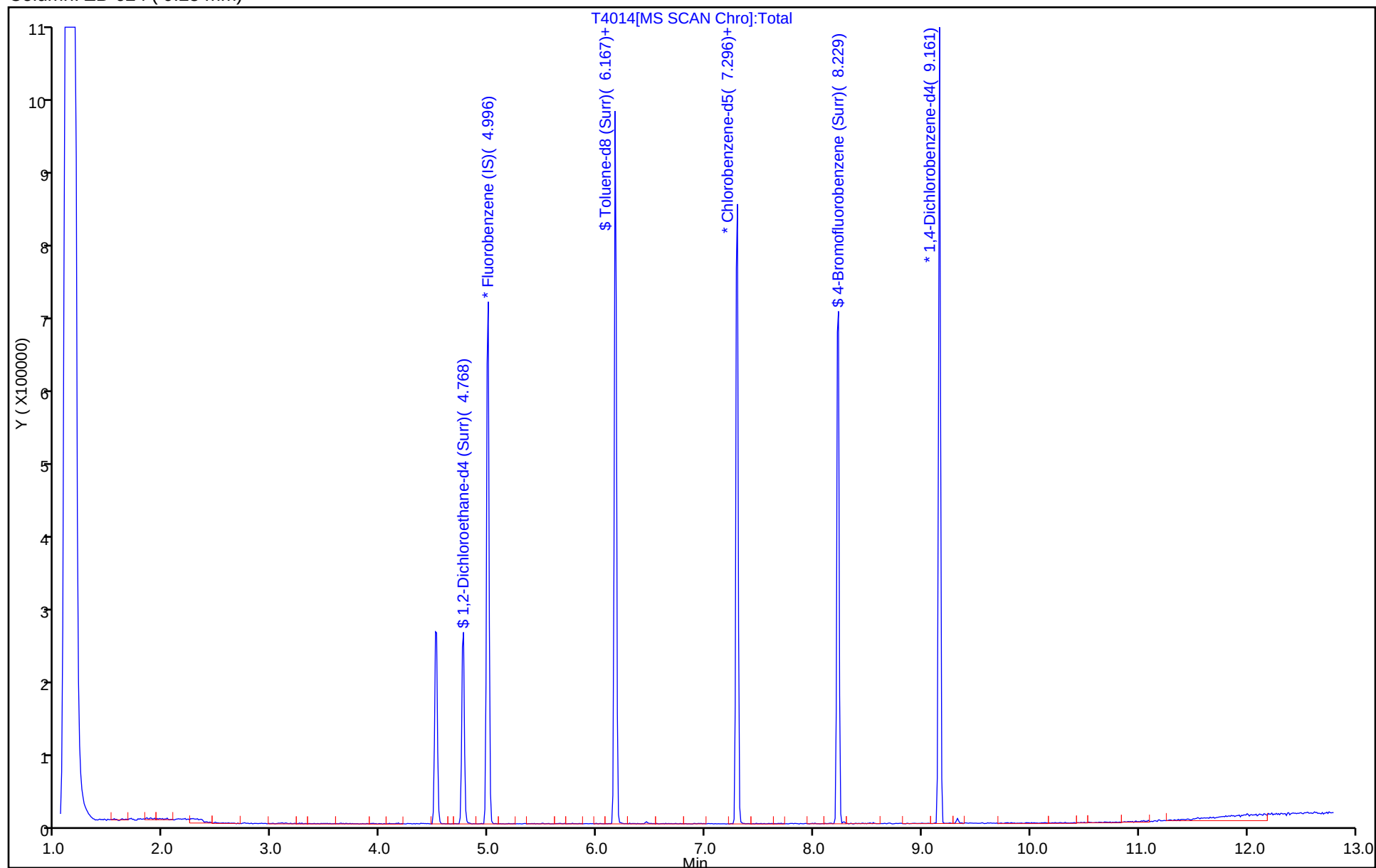
Dil. Factor: 1.0000

ALS Bottle#: 64

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-11</u>	Lab Sample ID: <u>480-93630-6</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>T4015.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/05/2016 16:35</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/11/2016 16:02</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>282953</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	2.9		1.0	0.38
75-35-4	1,1-Dichloroethene	0.34	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	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	0.89	J	1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	10		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.: 480-93630-1
 SDG No.: _____
 Client Sample ID: MW-11 Lab Sample ID: 480-93630-6
 Matrix: Ground Water Lab File ID: T4015.D
 Analysis Method: 8260C Date Collected: 01/05/2016 16:35
 Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 16:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 282953 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	3.6		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)	121		66-137
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	106		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4015.D
 Lims ID: 480-93630-A-6 Lab Sample ID: 480-93630-6
 Client ID: MW-11
 Sample Type: Client
 Inject. Date: 11-Jan-2016 16:02:30 ALS Bottle#: 65 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-93630-A-6
 Misc. Info.: 480-0049838-014
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 18:00:01 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: fortaing

Date: 11-Jan-2016 18:00:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.985	4.985	0.000	99	95592	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	422622	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.162	-0.001	95	229622	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.757	0.000	0	152854	30.2	
\$ 6 Toluene-d8 (Surr)	98	6.166	6.167	-0.001	94	503270	26.5	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	95	181899	25.4	
11 Dichlorodifluoromethane	85		1.306				ND	
13 Chloromethane	50		1.420				ND	
14 Vinyl chloride	62	1.534	1.545	-0.011	98	25675	3.59	
15 Bromomethane	94		1.824				ND	
16 Chloroethane	64	1.907	1.907	0.000	94	2423	0.8924	
17 Trichlorofluoromethane	101		2.187				ND	
22 1,1-Dichloroethene	96	2.633	2.633	0.000	93	1920	0.3359	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643				ND	
23 Acetone	43	2.736	2.726	0.010	68	1703	1.31	
25 Carbon disulfide	76		2.819				ND	
28 Methyl acetate	43		3.006				ND	
30 Methylene Chloride	84		3.099				ND	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	90	861	0.1397	
33 Methyl tert-butyl ether	73		3.306				ND	
36 1,1-Dichloroethane	63	3.659	3.669	-0.010	97	33432	2.94	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	80	70831	10.4	
44 2-Butanone (MEK)	43		4.156				ND	
50 Chloroform	83		4.384				ND	
51 1,1,1-Trichloroethane	97	4.498	4.498	0.000	35	1575	0.1629	
52 Cyclohexane	56		4.519				ND	
53 Carbon tetrachloride	117		4.612				ND	
55 Benzene	78		4.778				ND	
57 1,2-Dichloroethane	62		4.819				ND	
60 Trichloroethene	95		5.265				ND	
62 Methylcyclohexane	83		5.379				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		5.441				ND	
67 Dichlorobromomethane	83		5.669				ND	
71 cis-1,3-Dichloropropene	75		5.990				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094				ND	
73 Toluene	92		6.218				ND	
75 trans-1,3-Dichloropropene	75		6.415				ND	
78 1,1,2-Trichloroethane	83		6.560				ND	
79 Tetrachloroethene	166		6.633				ND	
81 2-Hexanone	43		6.726				ND	
82 Chlorodibromomethane	129		6.871				ND	
83 Ethylene Dibromide	107		6.954				ND	
86 Chlorobenzene	112		7.317				ND	
88 Ethylbenzene	91		7.379				ND	
90 m-Xylene & p-Xylene	106		7.472				ND	
91 o-Xylene	106		7.794				ND	
92 Styrene	104		7.804				ND	
93 Bromoform	173		7.990				ND	
95 Isopropylbenzene	105		8.073				ND	
98 1,1,2,2-Tetrachloroethane	83		8.364				ND	
110 1,3-Dichlorobenzene	146		9.110				ND	
113 1,4-Dichlorobenzene	146		9.182				ND	
116 1,2-Dichlorobenzene	146		9.493				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156				ND	
119 1,2,4-Trichlorobenzene	180		10.820				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4015.D

Injection Date: 11-Jan-2016 16:02:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-93630-A-6

Lab Sample ID: 480-93630-6

Worklist Smp#: 14

Client ID: MW-11

Purge Vol: 5.000 mL

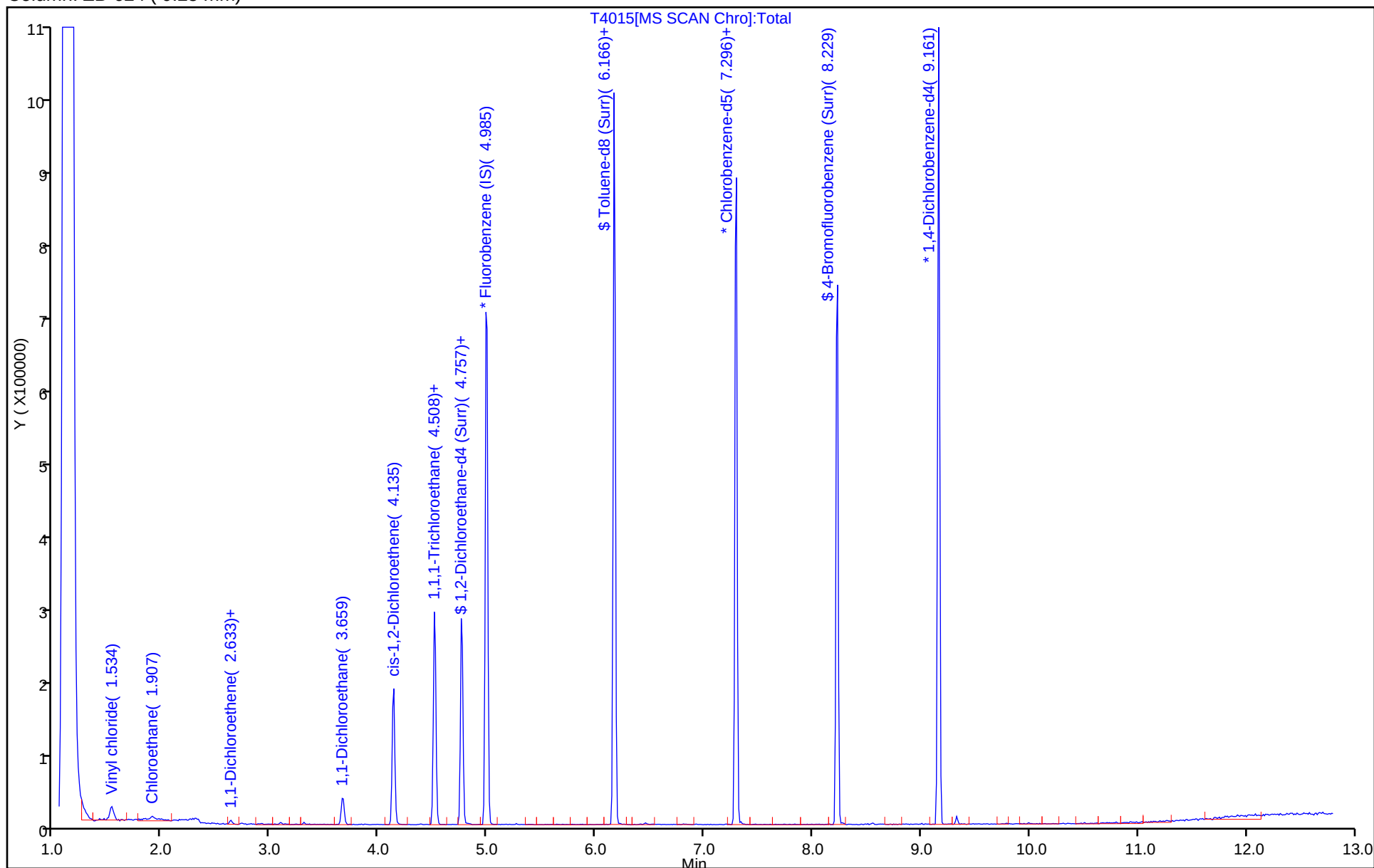
Dil. Factor: 1.0000

ALS Bottle#: 65

Method: T-8260

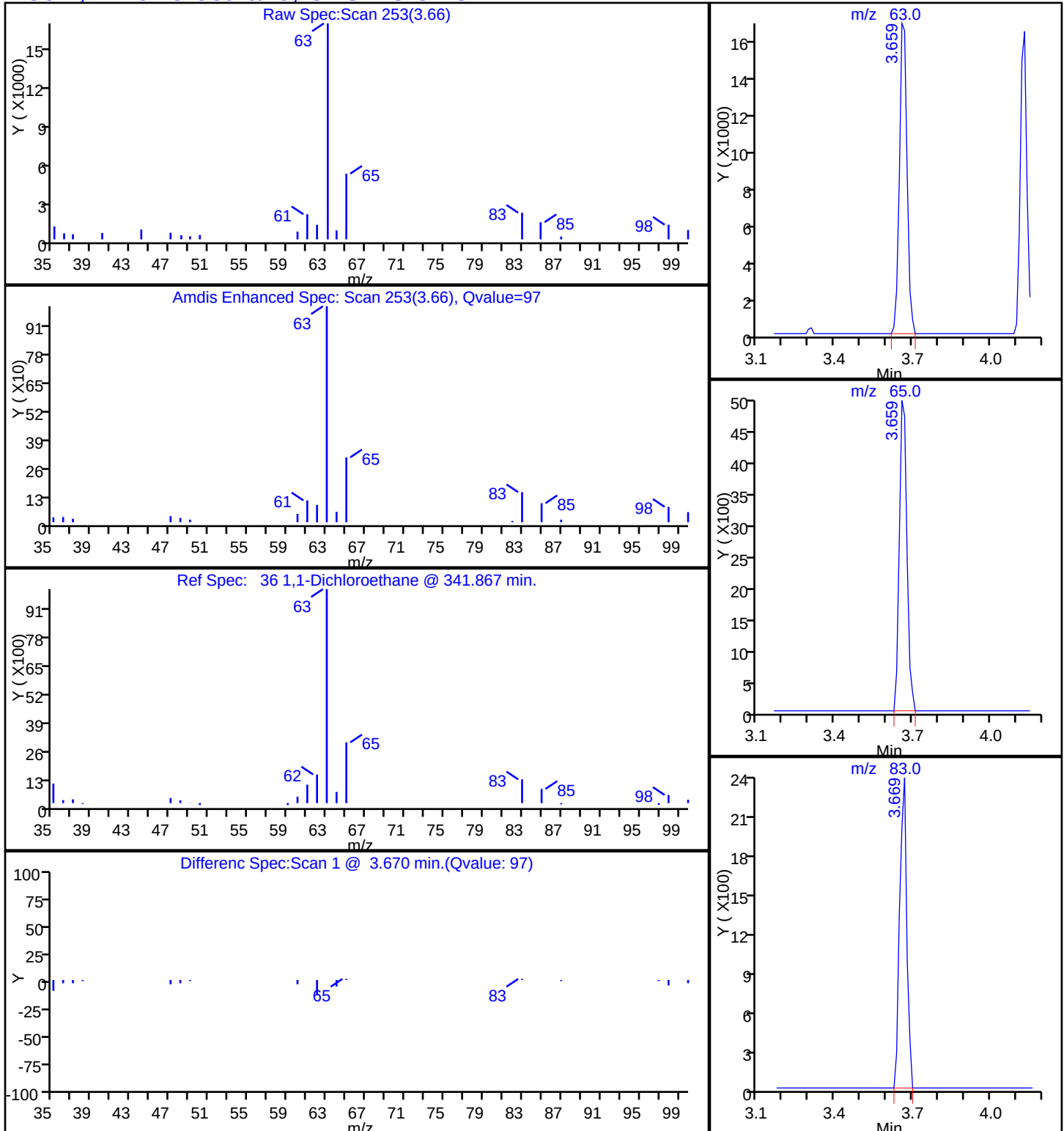
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

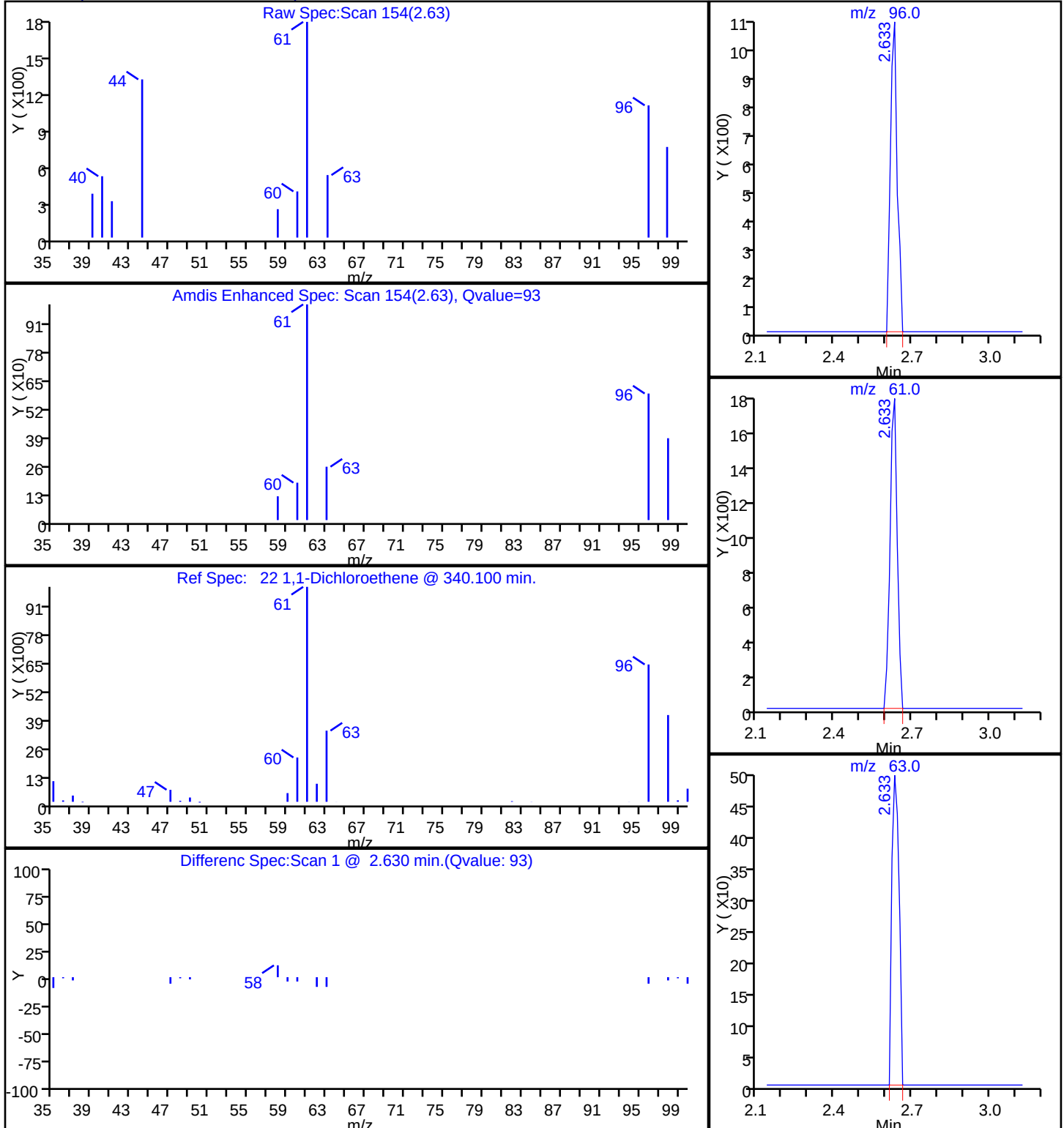
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Injection Date: 11-Jan-2016 16:02:30 Instrument ID: HP5975T
Lims ID: 480-93630-A-6 Lab Sample ID: 480-93630-6
Client ID: MW-11
Operator ID: gtg ALS Bottle#: 65 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4015.D
Injection Date: 11-Jan-2016 16:02:30 Instrument ID: HP5975T
Lims ID: 480-93630-A-6 Lab Sample ID: 480-93630-6
Client ID: MW-11
Operator ID: gtg
Purge Vol: 5.000 mL
Method: T-8260
Column: ZB-624 (0.25 mm)

ALS Bottle#: 65 Worklist Smp#: 14
Dil. Factor: 1.0000
Limit Group: MV - 8260C ICAL
Detector MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4015.D

Injection Date: 11-Jan-2016 16:02:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-6

Lab Sample ID: 480-93630-6

Client ID: MW-11

Operator ID: gtg

ALS Bottle#: 65

Worklist Smp#: 14

Purge Vol: 5.000 mL

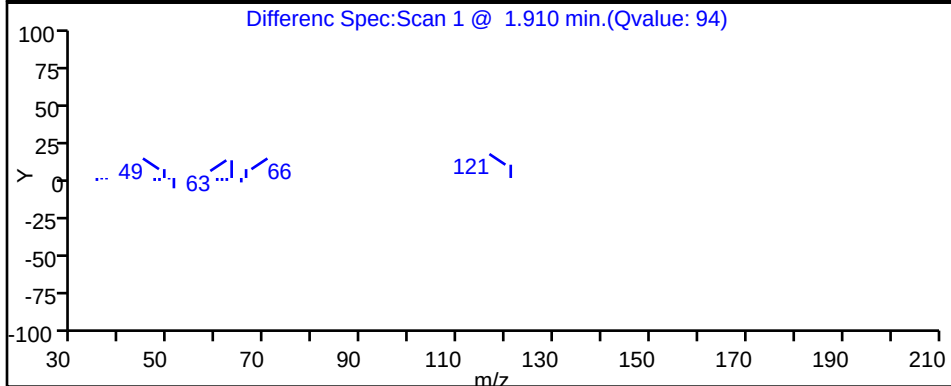
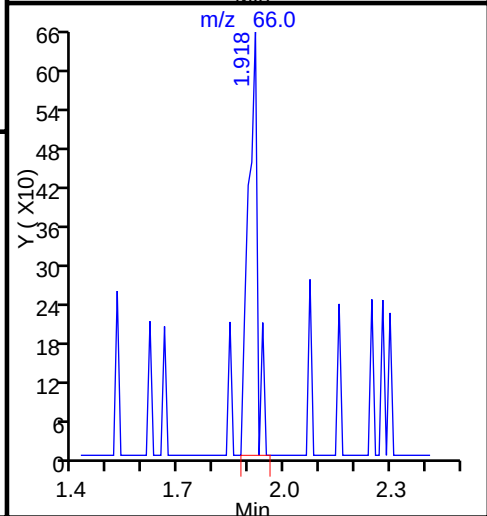
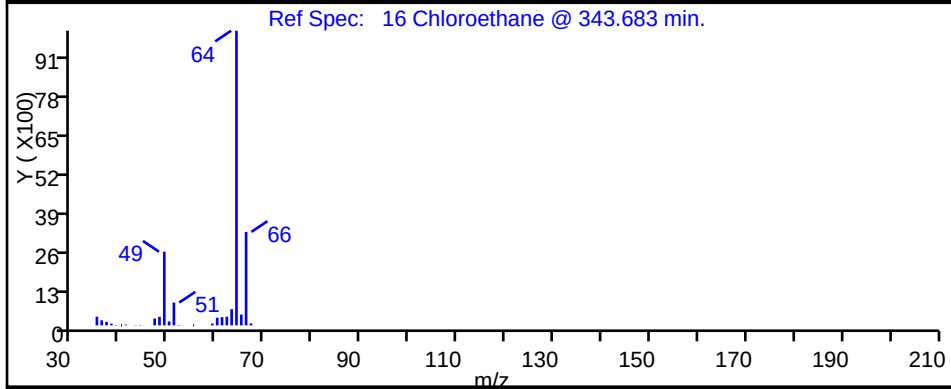
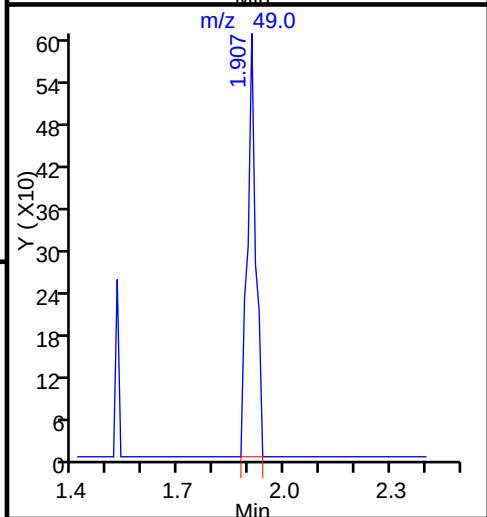
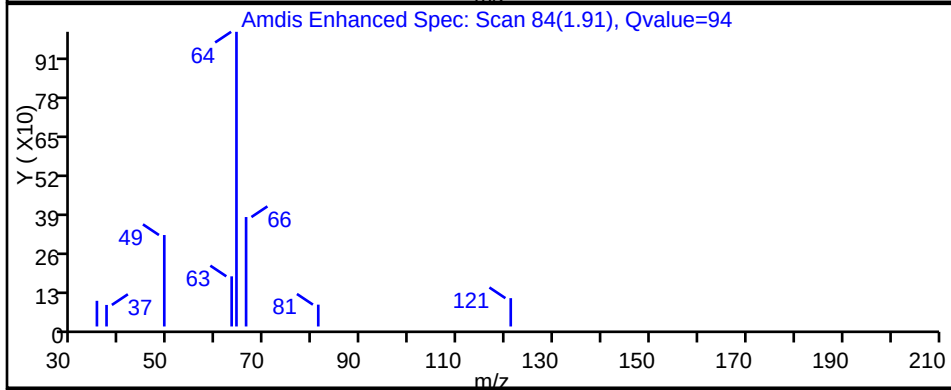
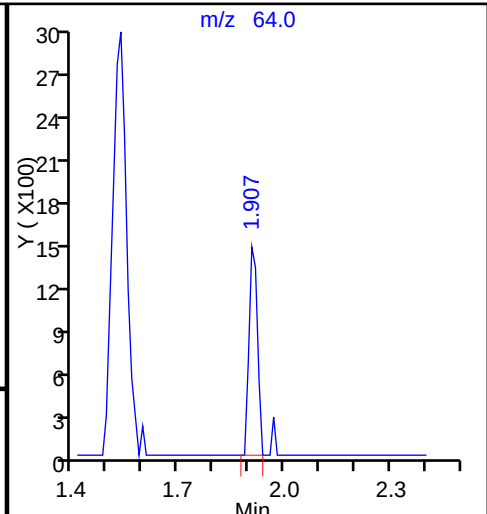
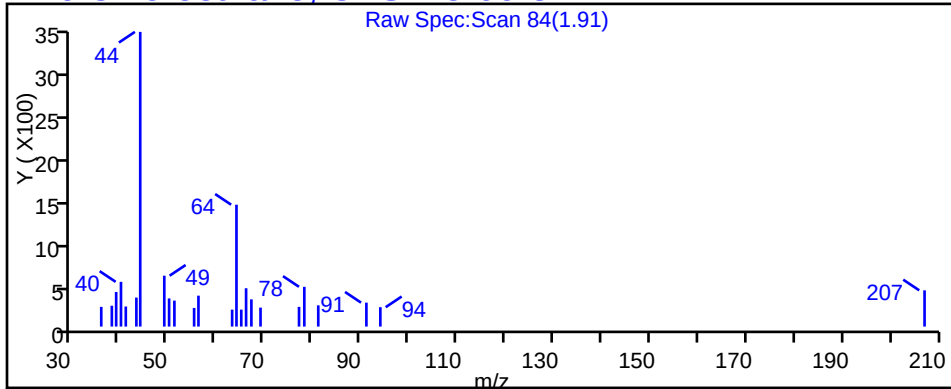
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4015.D

Injection Date: 11-Jan-2016 16:02:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-6

Lab Sample ID: 480-93630-6

Client ID: MW-11

Operator ID: gtg

ALS Bottle#: 65

Worklist Smp#: 14

Purge Vol: 5.000 mL

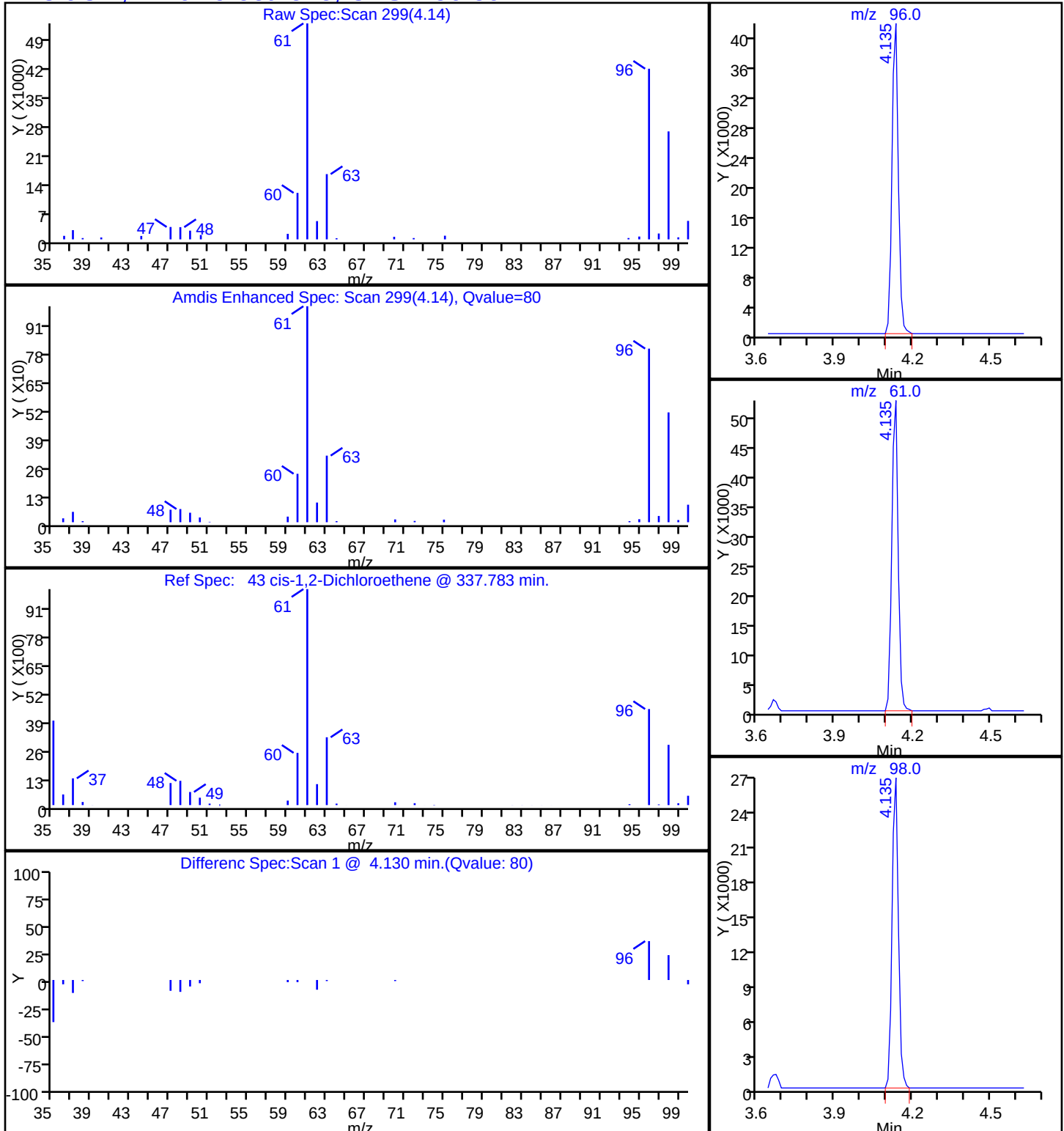
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

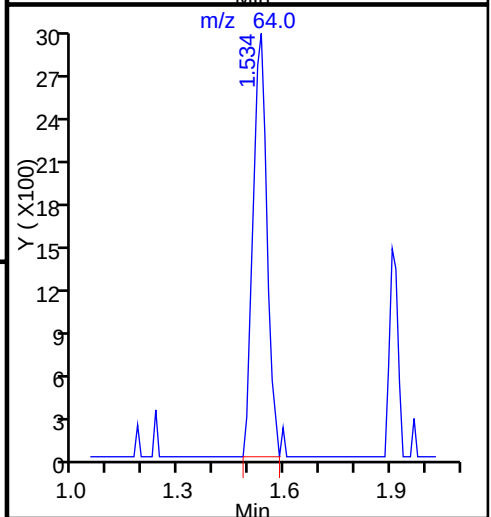
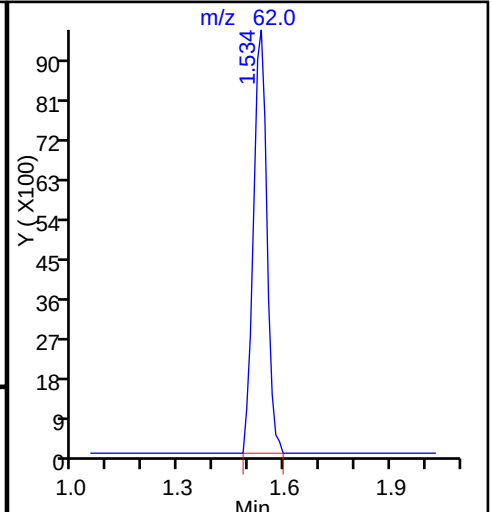
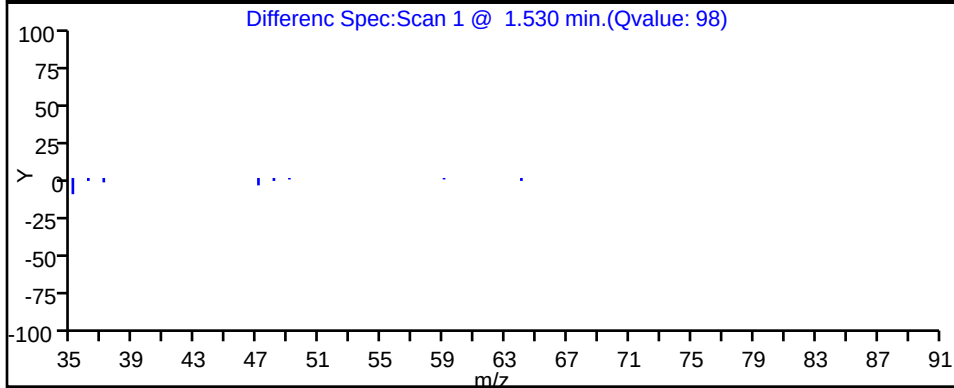
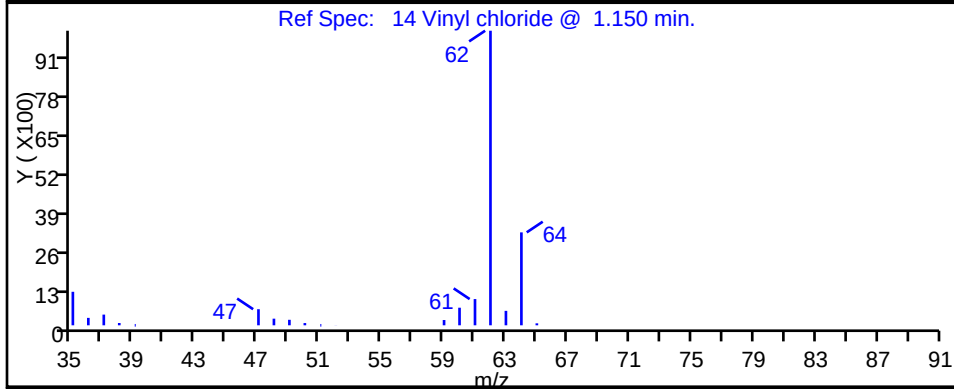
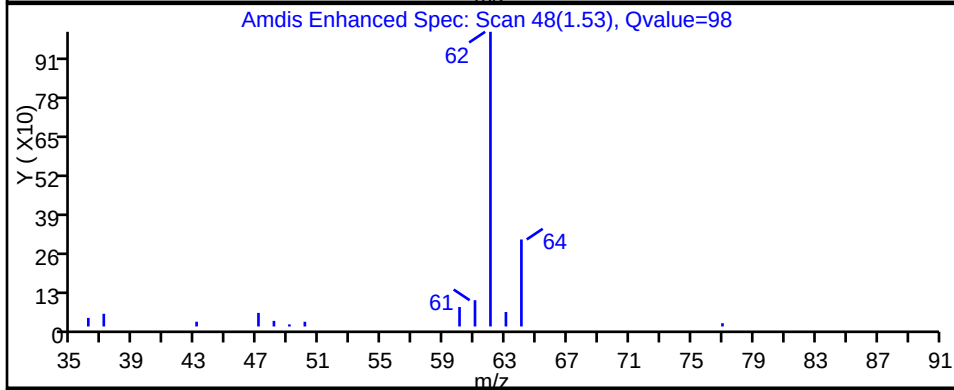
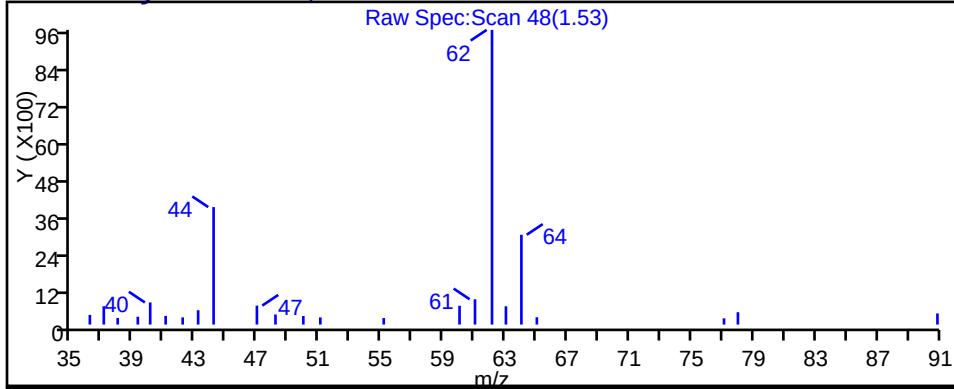
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4015.D
Injection Date: 11-Jan-2016 16:02:30 Instrument ID: HP5975T
Lims ID: 480-93630-A-6 Lab Sample ID: 480-93630-6
Client ID: MW-11
Operator ID: gtg ALS Bottle#: 65 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

14 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-12</u>	Lab Sample ID: <u>480-93630-7</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>T4016.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/06/2016 11:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/11/2016 16:27</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>282953</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	3.6	J	10	3.0
71-43-2	Benzene	0.62	J	1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	9.0		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.: 480-93630-1
 SDG No.: _____
 Client Sample ID: MW-12 Lab Sample ID: 480-93630-7
 Matrix: Ground Water Lab File ID: T4016.D
 Analysis Method: 8260C Date Collected: 01/06/2016 11:00
 Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 16:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 282953 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	1.5		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)	119		66-137
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	107		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4016.D
 Lims ID: 480-93630-A-7 Lab Sample ID: 480-93630-7
 Client ID: MW-12
 Sample Type: Client
 Inject. Date: 11-Jan-2016 16:27:30 ALS Bottle#: 66 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-93630-A-7
 Misc. Info.: 480-0049838-015
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 18:00:01 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: fortaing

Date: 11-Jan-2016 18:01:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.985	4.985	0.000	99	95603	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	420327	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.162	-0.001	95	227616	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.757	0.000	0	151374	29.9	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	505286	26.7	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	97	181761	25.5	
11 Dichlorodifluoromethane	85		1.306				ND	
13 Chloromethane	50		1.420				ND	
14 Vinyl chloride	62	1.534	1.545	-0.011	98	10434	1.46	
15 Bromomethane	94		1.824				ND	
16 Chloroethane	64	1.907	1.907	0.000	98	24442	9.00	
17 Trichlorofluoromethane	101		2.187				ND	
22 1,1-Dichloroethene	96		2.633				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643				ND	
23 Acetone	43	2.736	2.726	0.010	97	4719	3.62	
25 Carbon disulfide	76		2.819				ND	
28 Methyl acetate	43		3.006				ND	
30 Methylene Chloride	84		3.099				ND	
32 trans-1,2-Dichloroethene	96		3.306				ND	
33 Methyl tert-butyl ether	73		3.306				ND	
36 1,1-Dichloroethane	63		3.669				ND	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	73	2660	0.3916	
44 2-Butanone (MEK)	43		4.156				ND	
50 Chloroform	83		4.384				ND	
51 1,1,1-Trichloroethane	97		4.498				ND	
52 Cyclohexane	56		4.519				ND	
53 Carbon tetrachloride	117		4.612				ND	
55 Benzene	78	4.778	4.778	0.000	97	14627	0.6186	
57 1,2-Dichloroethane	62		4.819				ND	
60 Trichloroethene	95		5.265				ND	
62 Methylcyclohexane	83		5.379				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		5.441				ND	
67 Dichlorobromomethane	83		5.669				ND	
71 cis-1,3-Dichloropropene	75		5.990				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094				ND	
73 Toluene	92		6.218				ND	
75 trans-1,3-Dichloropropene	75		6.415				ND	
78 1,1,2-Trichloroethane	83		6.560				ND	
79 Tetrachloroethene	166		6.633				ND	
81 2-Hexanone	43		6.726				ND	
82 Chlorodibromomethane	129		6.871				ND	
83 Ethylene Dibromide	107		6.954				ND	
86 Chlorobenzene	112		7.317				ND	
88 Ethylbenzene	91		7.379				ND	
90 m-Xylene & p-Xylene	106		7.472				ND	
91 o-Xylene	106		7.794				ND	
92 Styrene	104		7.804				ND	
93 Bromoform	173		7.990				ND	
95 Isopropylbenzene	105		8.073				ND	
98 1,1,2,2-Tetrachloroethane	83		8.364				ND	
110 1,3-Dichlorobenzene	146		9.110				ND	
113 1,4-Dichlorobenzene	146		9.182				ND	
116 1,2-Dichlorobenzene	146		9.493				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156				ND	
119 1,2,4-Trichlorobenzene	180		10.820				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20160111-49838.b\\T4016.D

Injection Date: 11-Jan-2016 16:27:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-93630-A-7

Lab Sample ID: 480-93630-7

Worklist Smp#: 15

Client ID: MW-12

Purge Vol: 5.000 mL

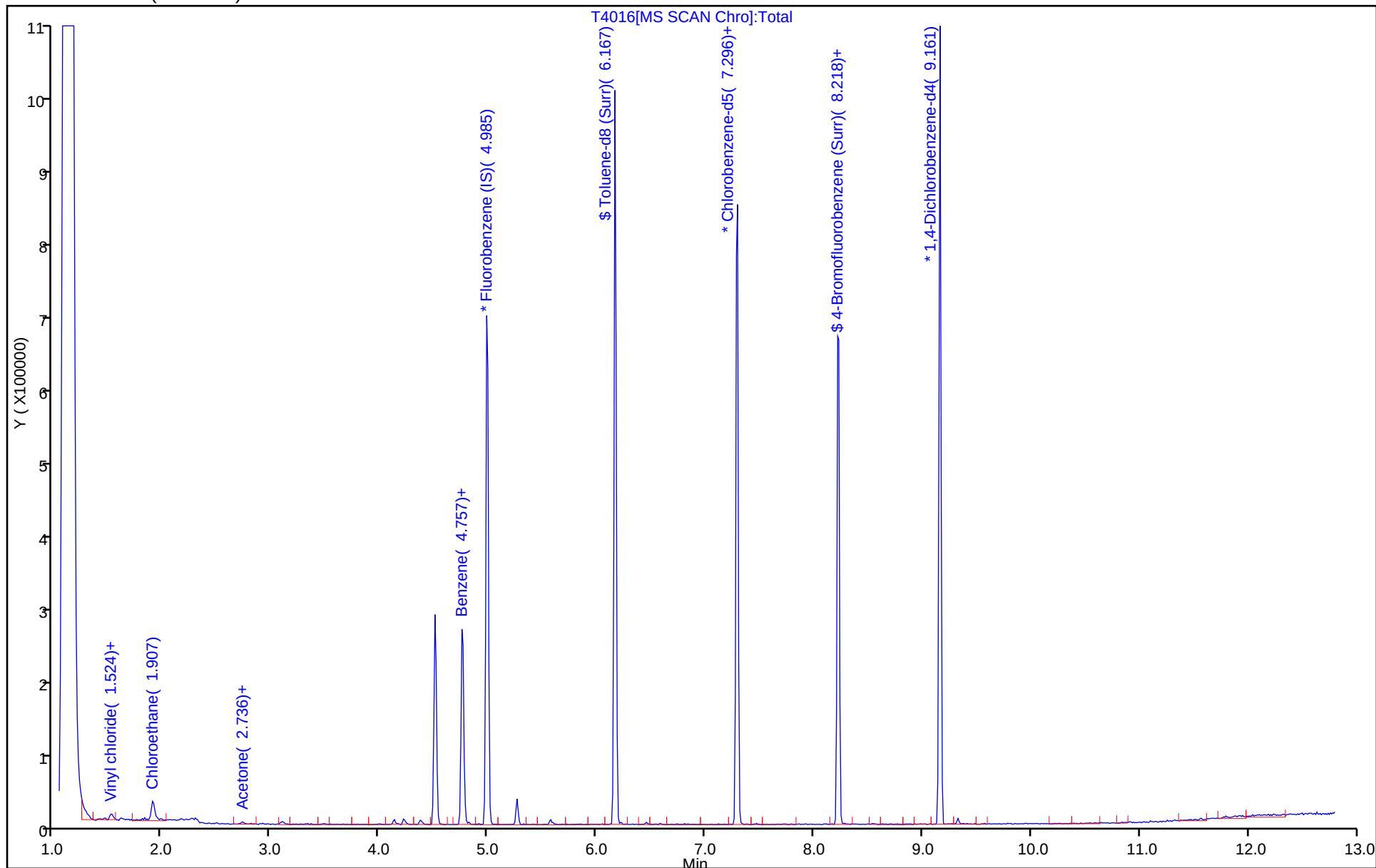
Dil. Factor: 1.0000

ALS Bottle#: 66

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4016.D

Injection Date: 11-Jan-2016 16:27:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-7

Lab Sample ID: 480-93630-7

Client ID: MW-12

Operator ID: gtg

ALS Bottle#: 66

Worklist Smp#: 15

Purge Vol: 5.000 mL

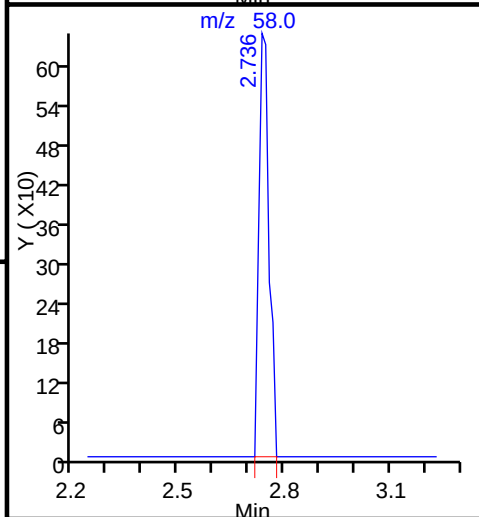
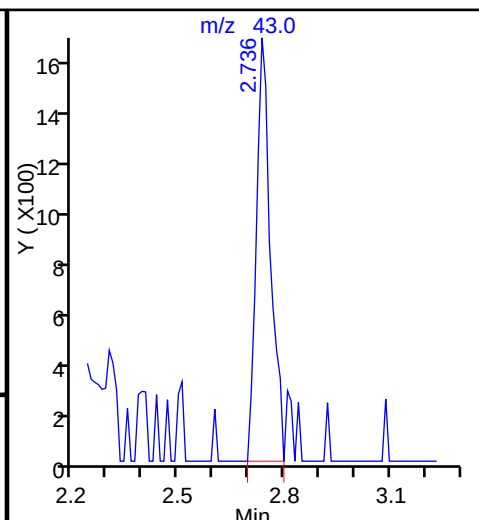
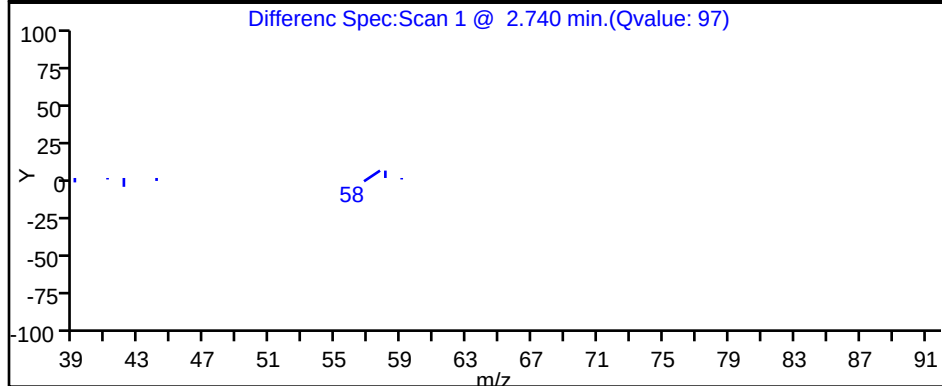
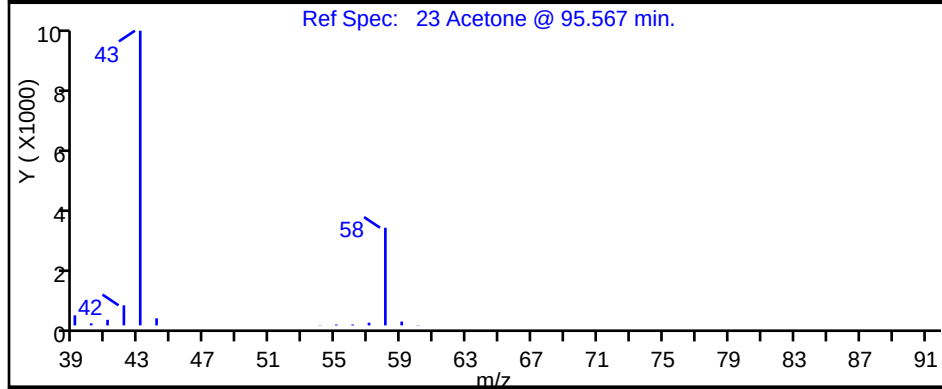
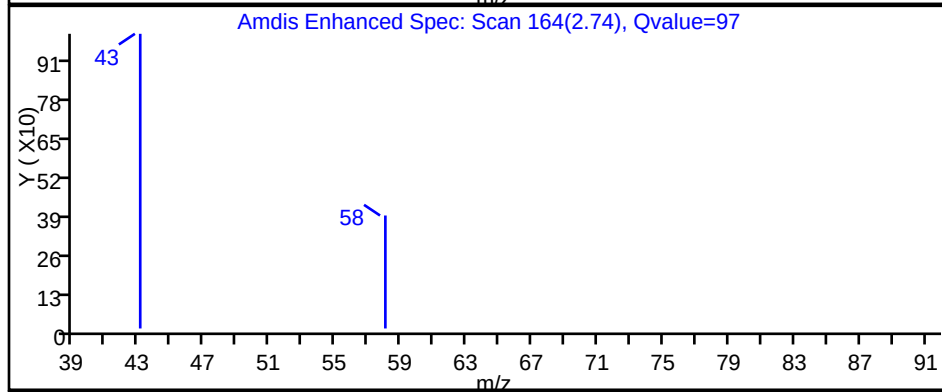
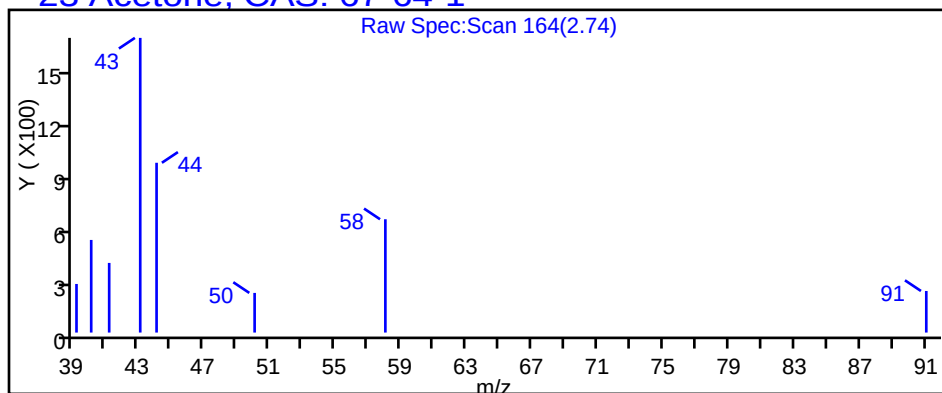
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

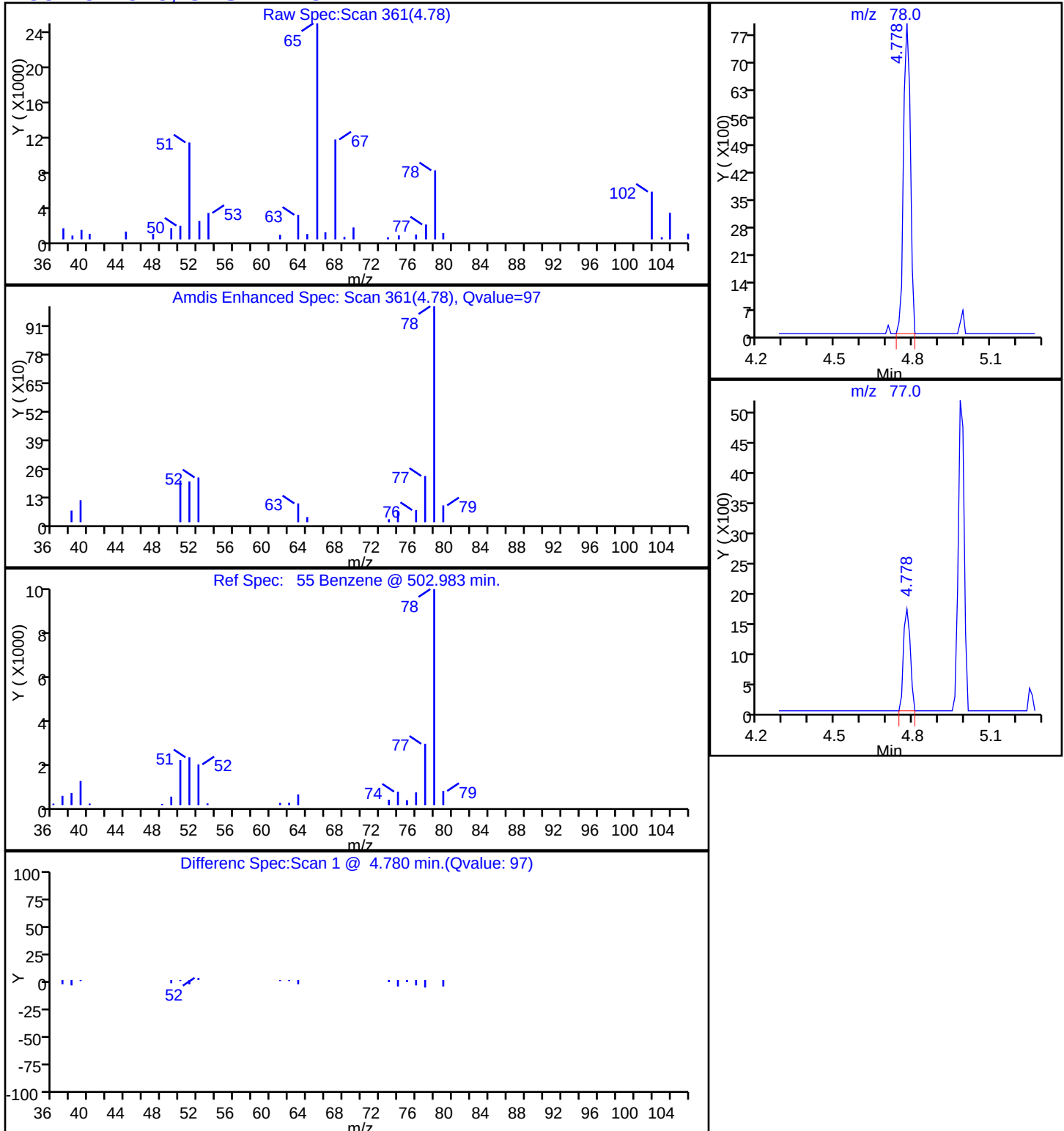
Detector: MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4016.D
Injection Date: 11-Jan-2016 16:27:30 Instrument ID: HP5975T
Lims ID: 480-93630-A-7 Lab Sample ID: 480-93630-7
Client ID: MW-12
Operator ID: gtg ALS Bottle#: 66 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

55 Benzene, CAS: 71-43-2



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4016.D

Injection Date: 11-Jan-2016 16:27:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-7

Lab Sample ID: 480-93630-7

Client ID: MW-12

Operator ID: gtg

ALS Bottle#: 66

Worklist Smp#: 15

Purge Vol: 5.000 mL

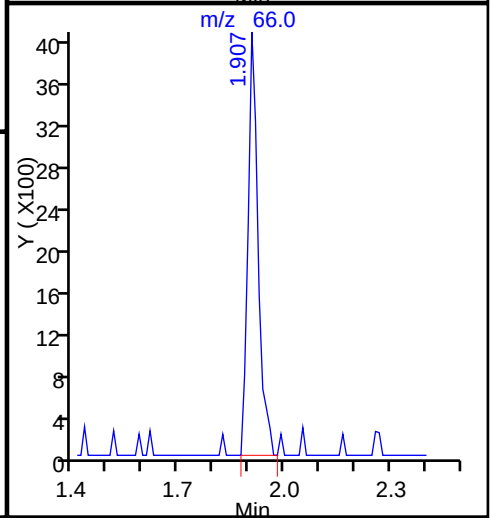
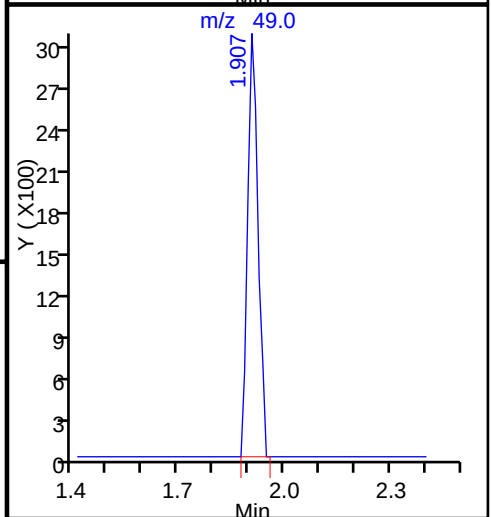
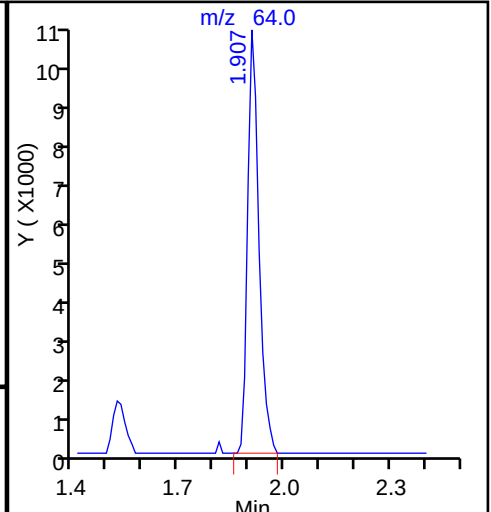
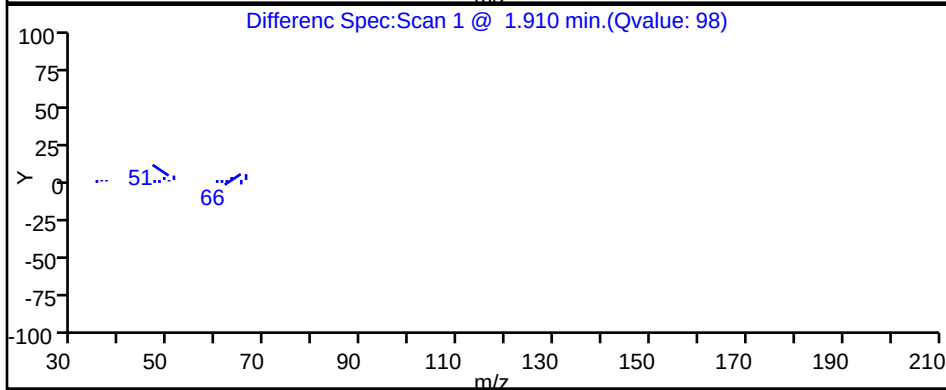
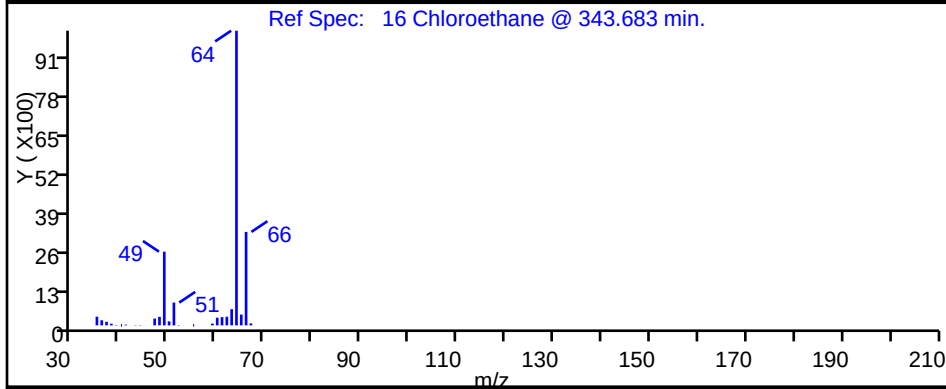
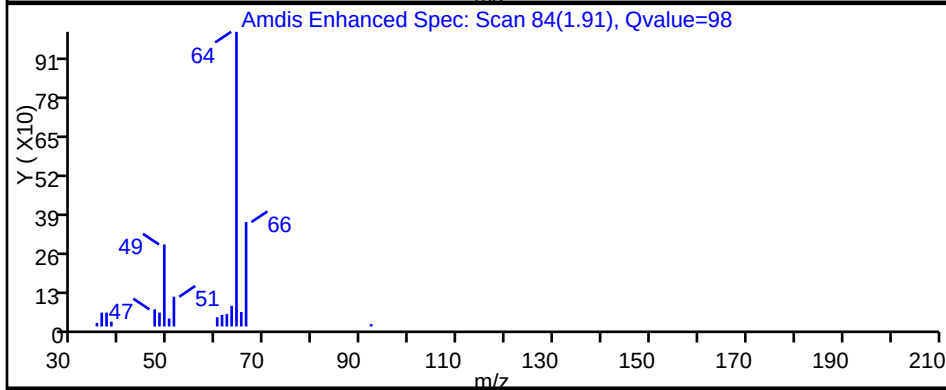
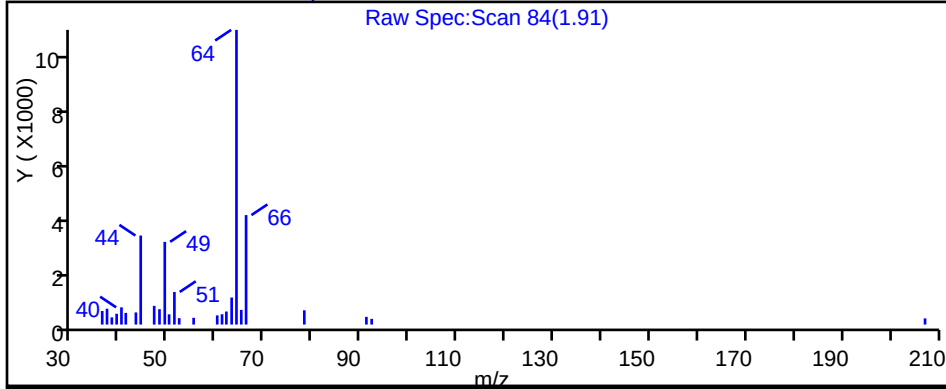
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4016.D

Injection Date: 11-Jan-2016 16:27:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-7

Lab Sample ID: 480-93630-7

Client ID: MW-12

Operator ID: gtg

ALS Bottle#: 66

Worklist Smp#: 15

Purge Vol: 5.000 mL

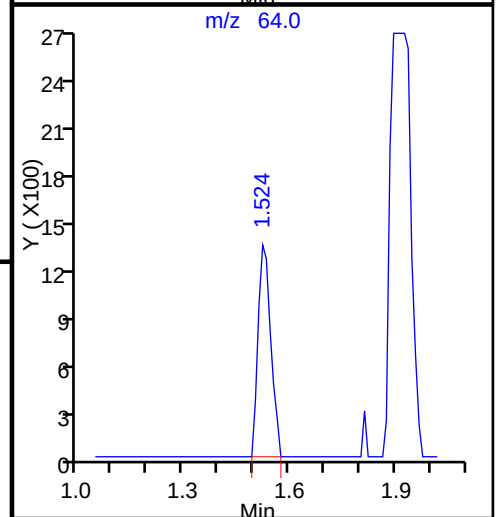
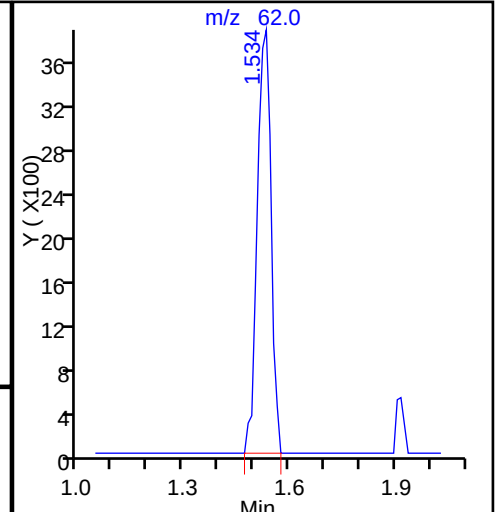
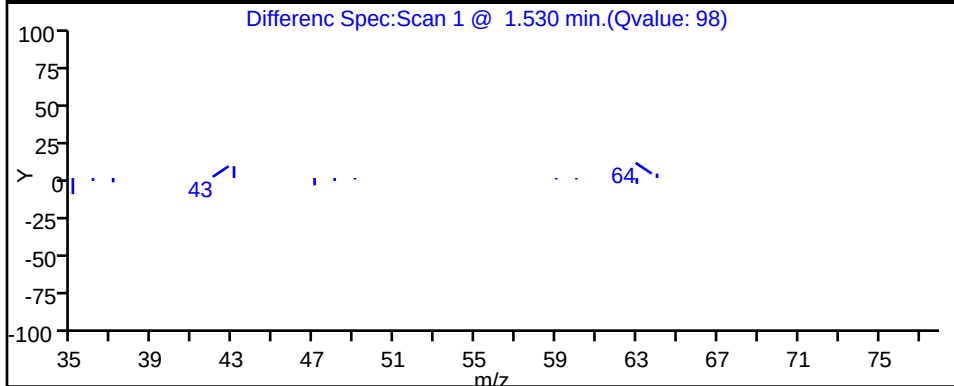
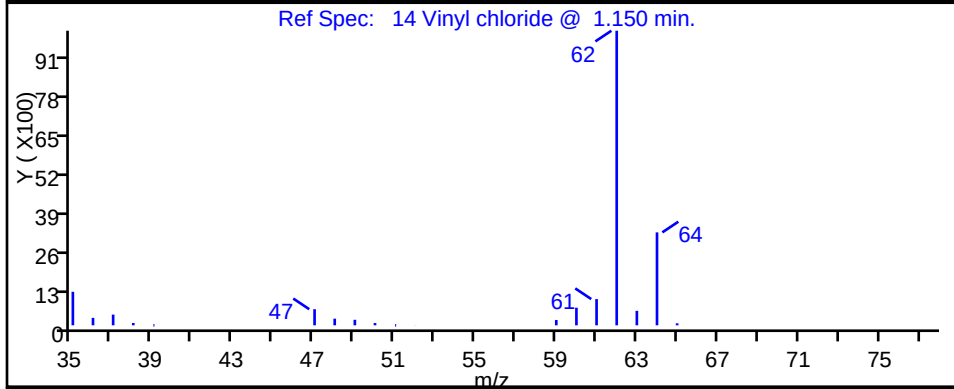
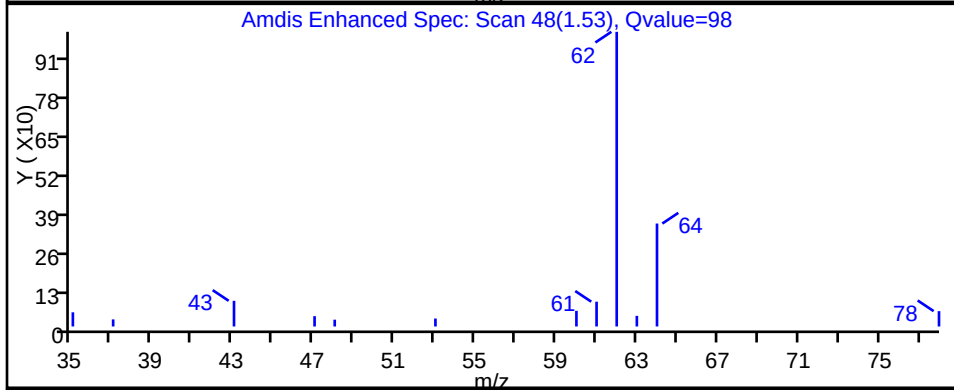
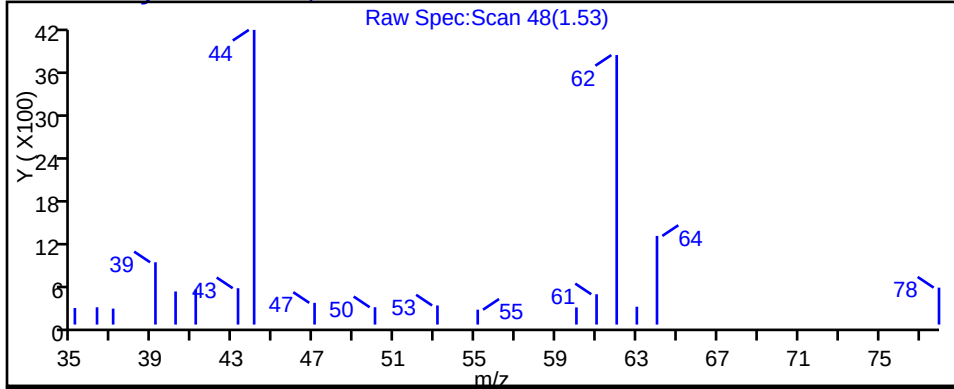
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-16S</u>	Lab Sample ID: <u>480-93630-8</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>T4017.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/06/2016 15:08</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/11/2016 16:50</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>4000</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>282953</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4000	3300
79-34-5	1,1,2,2-Tetrachloroethane	ND		4000	840
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4000	1200
79-00-5	1,1,2-Trichloroethane	ND		4000	920
75-34-3	1,1-Dichloroethane	2500	J	4000	1500
75-35-4	1,1-Dichloroethene	1500	J	4000	1200
120-82-1	1,2,4-Trichlorobenzene	ND		4000	1600
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4000	1600
106-93-4	1,2-Dibromoethane	ND		4000	2900
95-50-1	1,2-Dichlorobenzene	ND		4000	3200
107-06-2	1,2-Dichloroethane	ND		4000	840
78-87-5	1,2-Dichloropropane	ND		4000	2900
541-73-1	1,3-Dichlorobenzene	ND		4000	3100
106-46-7	1,4-Dichlorobenzene	ND		4000	3400
78-93-3	2-Butanone (MEK)	ND		40000	5300
591-78-6	2-Hexanone	ND		20000	5000
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20000	8400
67-64-1	Acetone	ND		40000	12000
71-43-2	Benzene	ND		4000	1600
75-27-4	Bromodichloromethane	ND		4000	1600
75-25-2	Bromoform	ND		4000	1000
74-83-9	Bromomethane	ND		4000	2800
75-15-0	Carbon disulfide	ND		4000	760
56-23-5	Carbon tetrachloride	ND		4000	1100
108-90-7	Chlorobenzene	ND		4000	3000
75-00-3	Chloroethane	ND		4000	1300
67-66-3	Chloroform	ND		4000	1400
74-87-3	Chloromethane	ND		4000	1400
156-59-2	cis-1,2-Dichloroethene	290000		4000	3200
10061-01-5	cis-1,3-Dichloropropene	ND		4000	1400
110-82-7	Cyclohexane	ND		4000	720
124-48-1	Dibromochloromethane	ND		4000	1300
75-71-8	Dichlorodifluoromethane	ND		4000	2700
100-41-4	Ethylbenzene	ND		4000	3000
98-82-8	Isopropylbenzene	ND		4000	3200

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Client Sample ID: MW-16S Lab Sample ID: 480-93630-8
 Matrix: Ground Water Lab File ID: T4017.D
 Analysis Method: 8260C Date Collected: 01/06/2016 15:08
 Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 16:50
 Soil Aliquot Vol: _____ Dilution Factor: 4000
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 282953 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		10000	5200
1634-04-4	Methyl tert-butyl ether	ND		4000	640
108-87-2	Methylcyclohexane	ND		4000	640
75-09-2	Methylene Chloride	ND		4000	1800
100-42-5	Styrene	ND		4000	2900
127-18-4	Tetrachloroethene	ND		4000	1400
108-88-3	Toluene	ND		4000	2000
156-60-5	trans-1,2-Dichloroethene	ND		4000	3600
10061-02-6	trans-1,3-Dichloropropene	ND		4000	1500
79-01-6	Trichloroethene	ND		4000	1800
75-69-4	Trichlorofluoromethane	ND		4000	3500
75-01-4	Vinyl chloride	76000		4000	3600
1330-20-7	Xylenes, Total	ND		8000	2600

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		66-137
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	106		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4017.D
 Lims ID: 480-93630-A-8 Lab Sample ID: 480-93630-8
 Client ID: MW-16S
 Sample Type: Client
 Inject. Date: 11-Jan-2016 16:50:30 ALS Bottle#: 67 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 4000.0000
 Sample Info: 480-93630-A-8
 Misc. Info.: 480-0049838-016
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 18:02:02 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: fortaing

Date: 11-Jan-2016 18:02:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.996	4.985	0.011	99	98177	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	420056	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.162	-0.001	95	230963	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.768	4.757	0.011	0	151903	29.2	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	498680	26.4	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	96	180091	25.3	
11 Dichlorodifluoromethane	85		1.306				ND	
13 Chloromethane	50		1.420				ND	
14 Vinyl chloride	62	1.545	1.545	0.000	99	139932	19.1	
15 Bromomethane	94		1.824				ND	
16 Chloroethane	64		1.907				ND	
17 Trichlorofluoromethane	101		2.187				ND	
22 1,1-Dichloroethene	96	2.643	2.633	0.010	96	2214	0.3771	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643				ND	
23 Acetone	43		2.726				ND	
25 Carbon disulfide	76		2.819				ND	
28 Methyl acetate	43		3.006				ND	
30 Methylene Chloride	84		3.099				ND	
32 trans-1,2-Dichloroethene	96		3.306				ND	
33 Methyl tert-butyl ether	73		3.306				ND	
36 1,1-Dichloroethane	63	3.659	3.669	-0.010	95	7322	0.6262	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	83	502936	72.1	
44 2-Butanone (MEK)	43		4.156				ND	
50 Chloroform	83		4.384				ND	
51 1,1,1-Trichloroethane	97		4.498				ND	
52 Cyclohexane	56		4.519				ND	
53 Carbon tetrachloride	117		4.612				ND	
55 Benzene	78		4.778				ND	
57 1,2-Dichloroethane	62		4.819				ND	
60 Trichloroethene	95		5.265				ND	
62 Methylcyclohexane	83		5.379				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		5.441				ND	
67 Dichlorobromomethane	83		5.669				ND	
71 cis-1,3-Dichloropropene	75		5.990				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094				ND	
73 Toluene	92		6.218				ND	
75 trans-1,3-Dichloropropene	75		6.415				ND	
78 1,1,2-Trichloroethane	83		6.560				ND	
79 Tetrachloroethene	166		6.633				ND	
81 2-Hexanone	43		6.726				ND	
82 Chlorodibromomethane	129		6.871				ND	
83 Ethylene Dibromide	107		6.954				ND	
86 Chlorobenzene	112		7.317				ND	
88 Ethylbenzene	91		7.379				ND	
90 m-Xylene & p-Xylene	106		7.472				ND	
91 o-Xylene	106		7.794				ND	
92 Styrene	104		7.804				ND	
93 Bromoform	173		7.990				ND	
95 Isopropylbenzene	105		8.073				ND	
98 1,1,2,2-Tetrachloroethane	83		8.364				ND	
110 1,3-Dichlorobenzene	146		9.110				ND	
113 1,4-Dichlorobenzene	146		9.182				ND	
116 1,2-Dichlorobenzene	146		9.493				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156				ND	
119 1,2,4-Trichlorobenzene	180		10.820				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4017.D

Injection Date: 11-Jan-2016 16:50:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-93630-A-8

Lab Sample ID: 480-93630-8

Worklist Smp#: 16

Client ID: MW-16S

Purge Vol: 5.000 mL

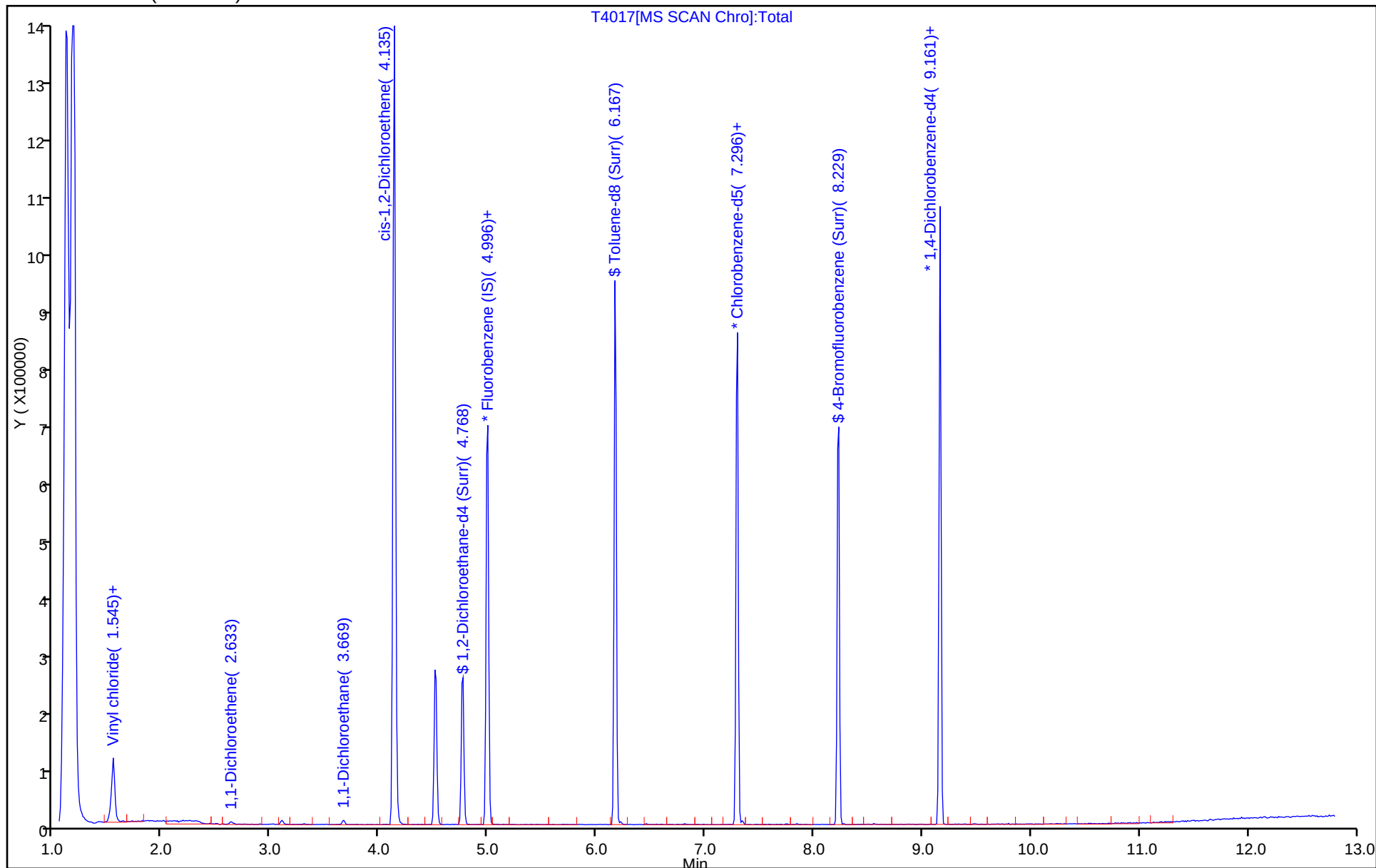
Dil. Factor: 4000.0000

ALS Bottle#: 67

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4017.D

Injection Date: 11-Jan-2016 16:50:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-8

Lab Sample ID: 480-93630-8

Client ID: MW-16S

Operator ID: gtg

ALS Bottle#: 67

Worklist Smp#: 16

Purge Vol: 5.000 mL

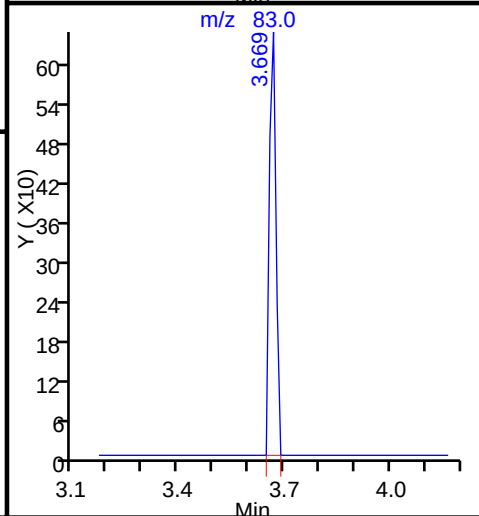
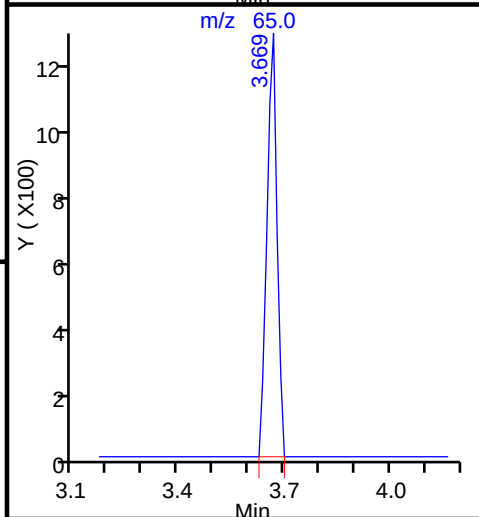
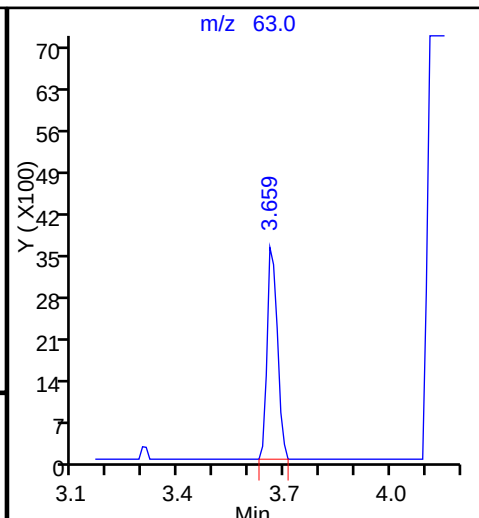
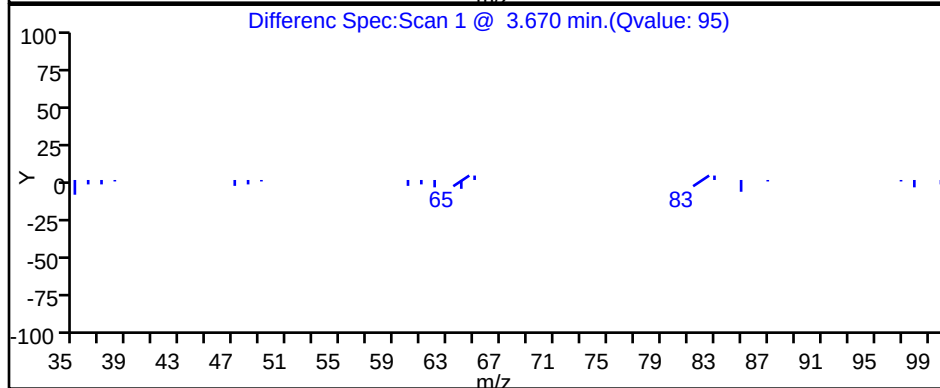
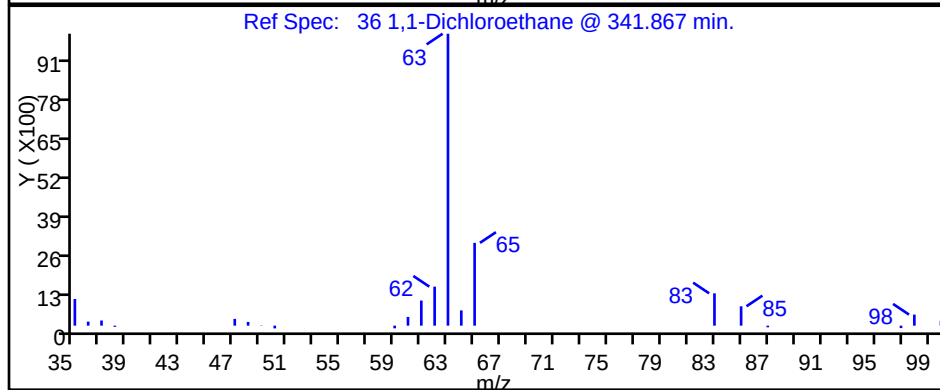
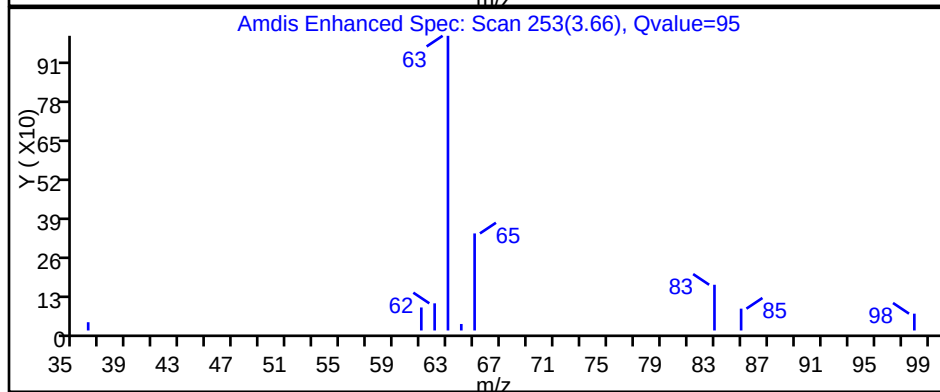
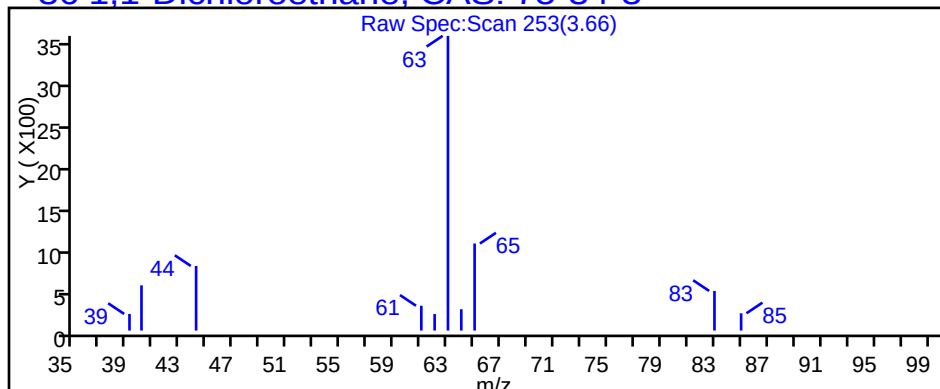
Dil. Factor: 4000.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4017.D

Injection Date: 11-Jan-2016 16:50:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-8

Lab Sample ID: 480-93630-8

Client ID: MW-16S

Operator ID: gtg

ALS Bottle#: 67

Worklist Smp#: 16

Purge Vol: 5.000 mL

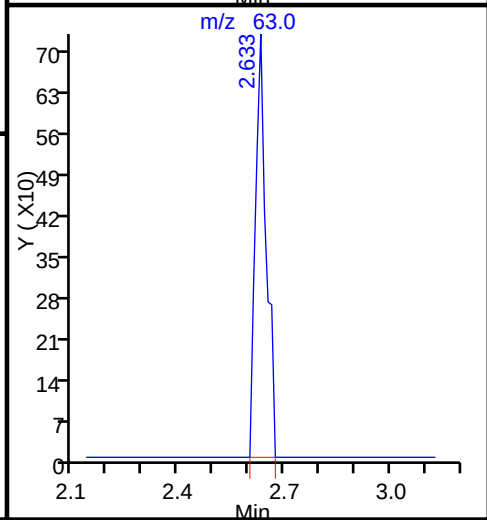
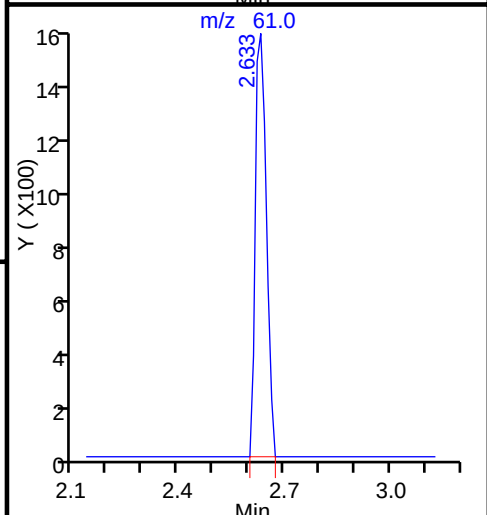
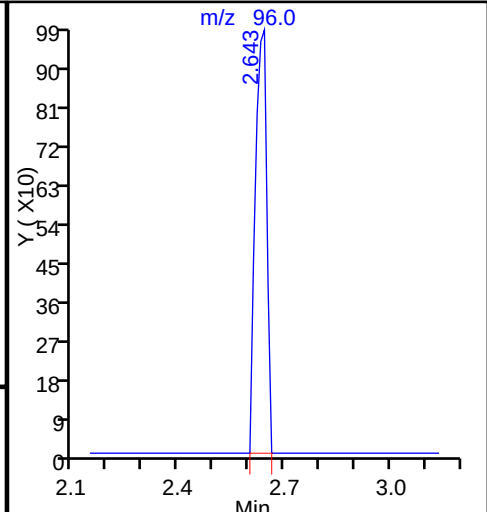
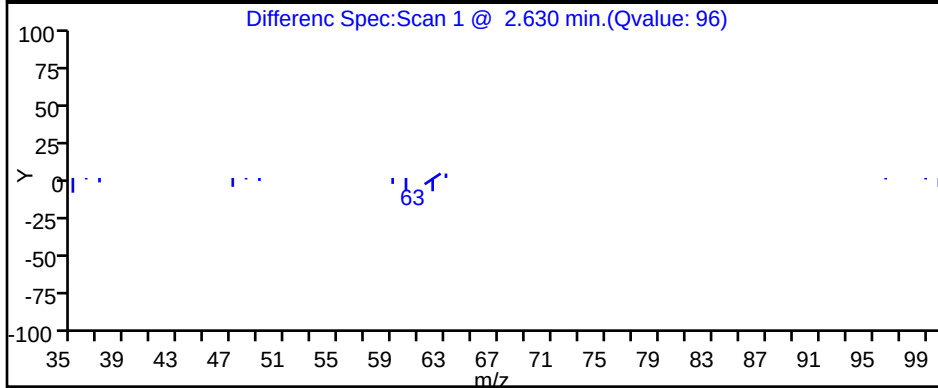
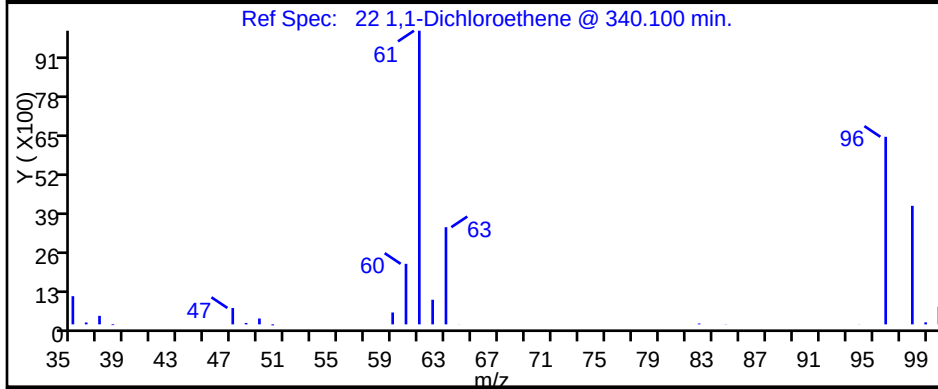
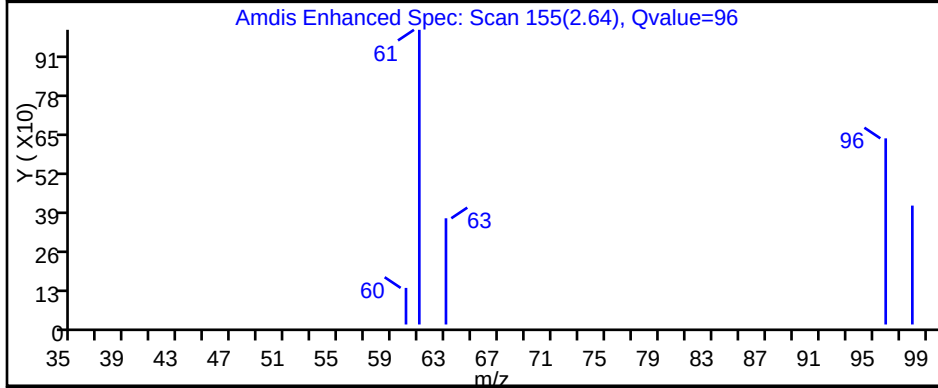
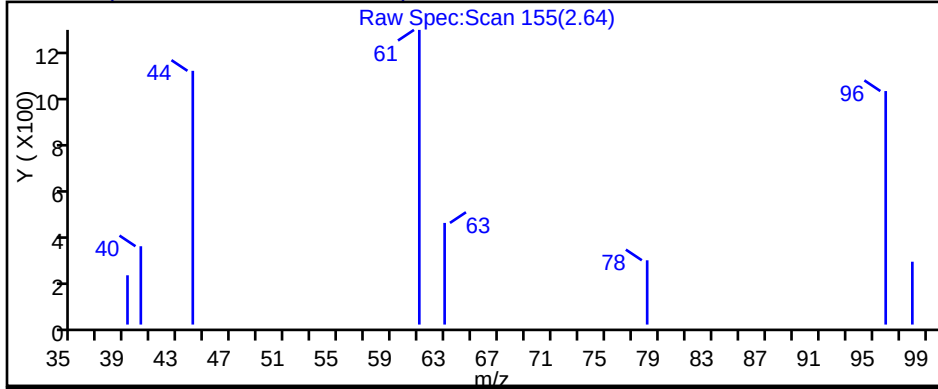
Dil. Factor: 4000.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4017.D

Injection Date: 11-Jan-2016 16:50:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-8

Lab Sample ID: 480-93630-8

Client ID: MW-16S

Operator ID: gtg

ALS Bottle#: 67

Worklist Smp#: 16

Purge Vol: 5.000 mL

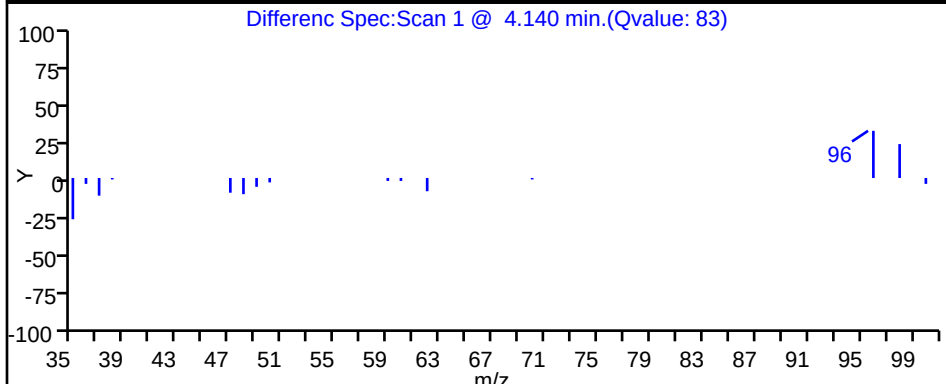
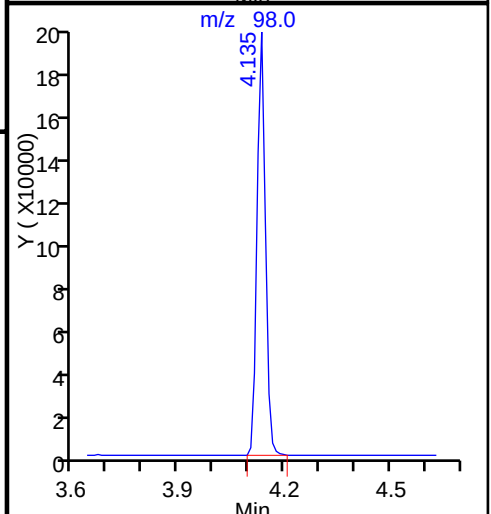
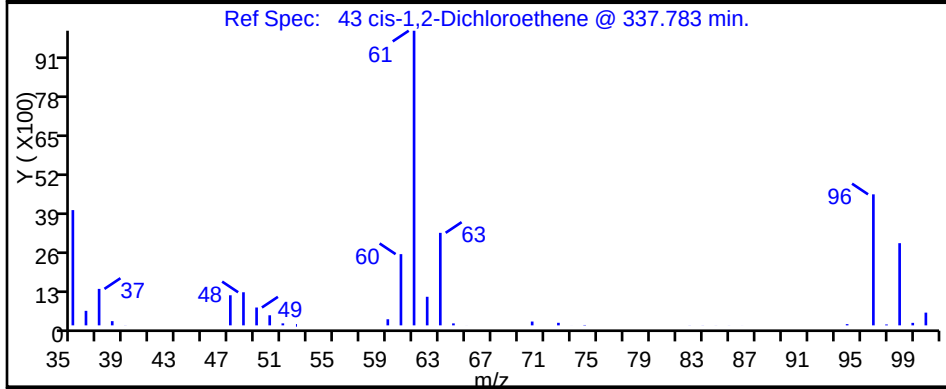
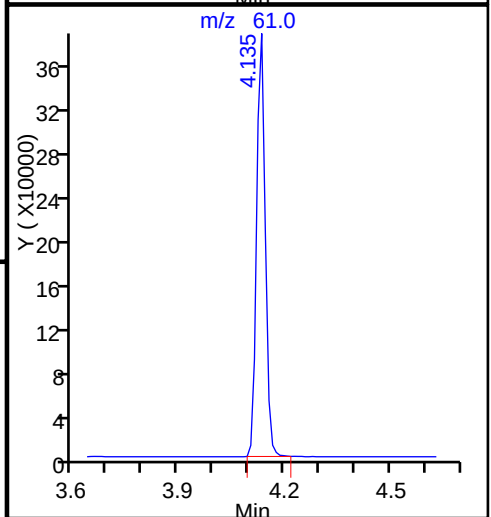
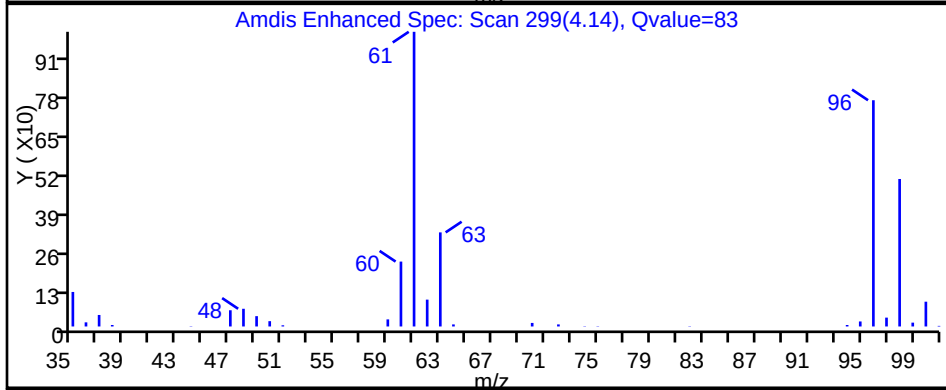
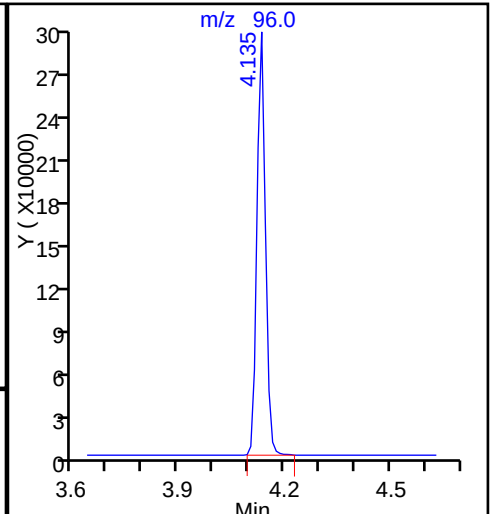
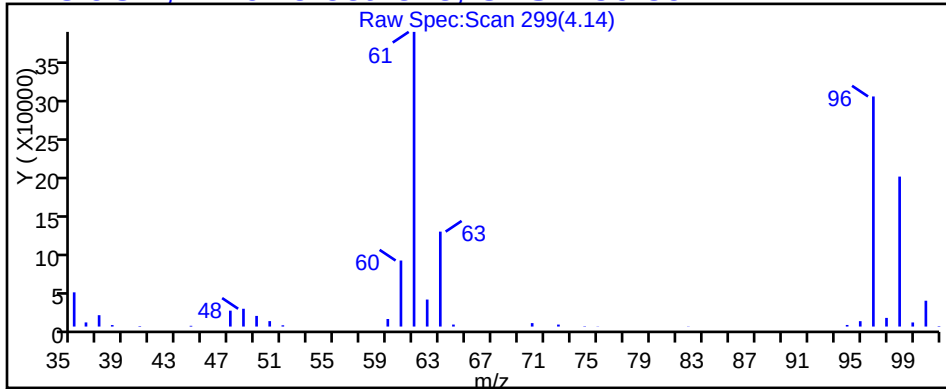
Dil. Factor: 4000.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4017.D

Injection Date: 11-Jan-2016 16:50:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-8

Lab Sample ID: 480-93630-8

Client ID: MW-16S

Operator ID: gtg

ALS Bottle#: 67

Worklist Smp#: 16

Purge Vol: 5.000 mL

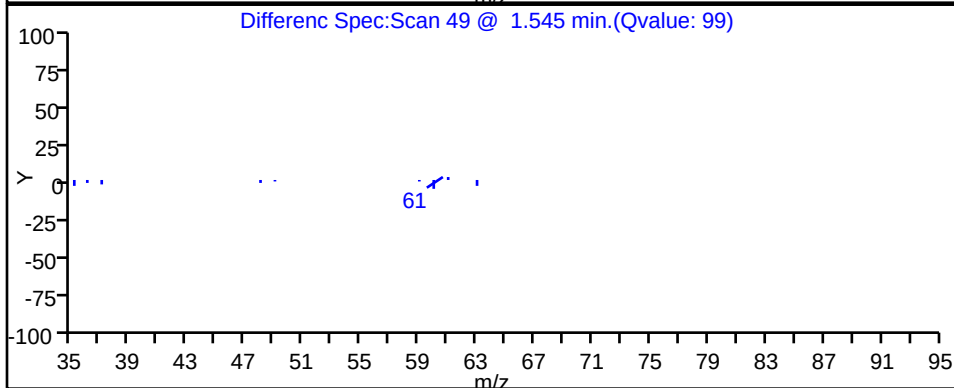
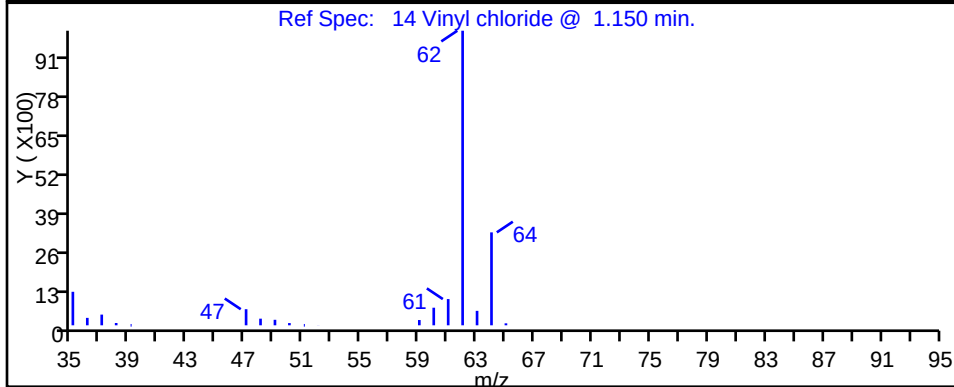
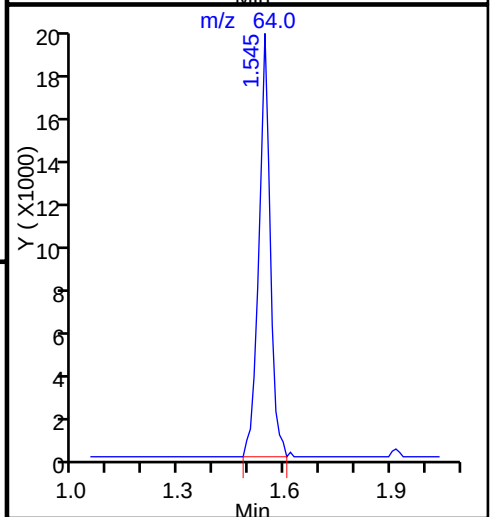
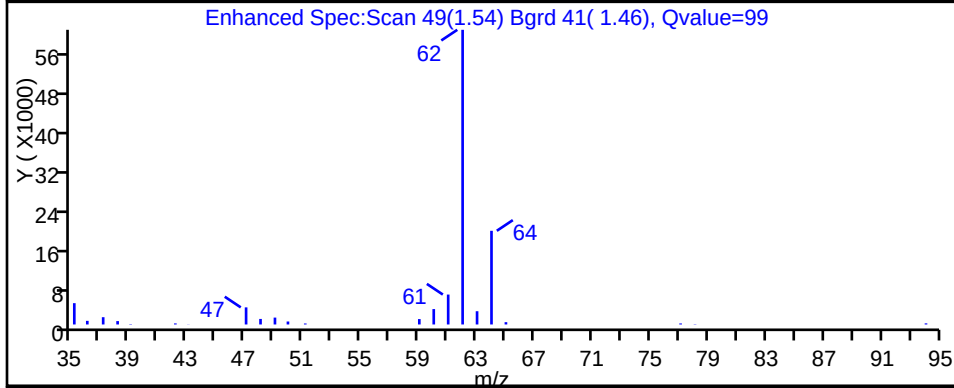
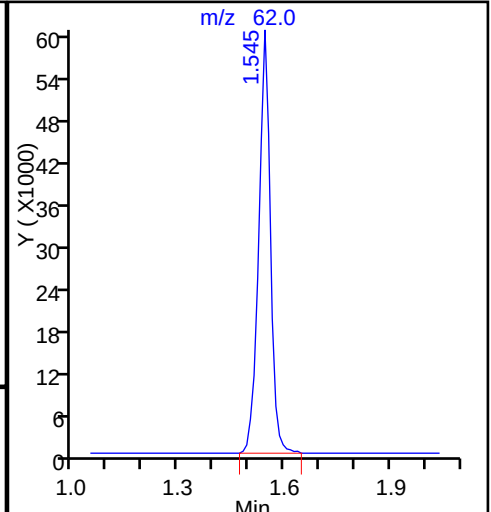
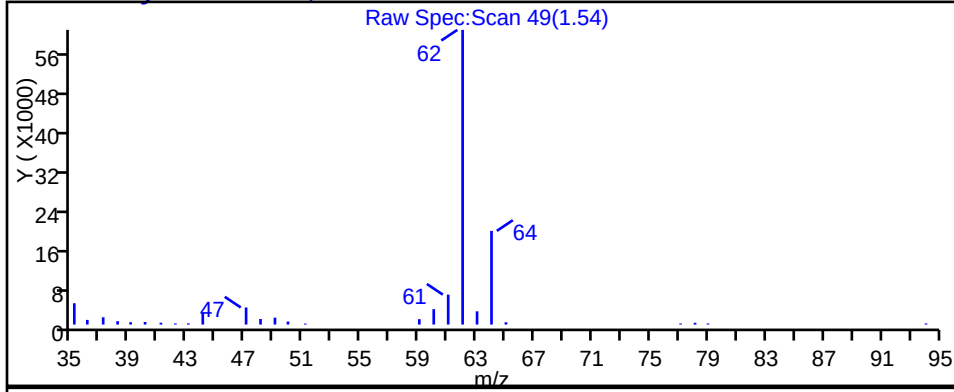
Dil. Factor: 4000.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1

SDG No.: _____

Client Sample ID: Duplicate Lab Sample ID: 480-93630-9

Matrix: Water Lab File ID: T4038.D

Analysis Method: 8260C Date Collected: 01/06/2016 07:00

Sample wt/vol: 5 (mL) Date Analyzed: 01/12/2016 00:43

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 283077 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.: 480-93630-1
 SDG No.: _____
 Client Sample ID: Duplicate Lab Sample ID: 480-93630-9
 Matrix: Water Lab File ID: T4038.D
 Analysis Method: 8260C Date Collected: 01/06/2016 07:00
 Sample wt/vol: 5 (mL) Date Analyzed: 01/12/2016 00:43
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 283077 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)	123		66-137
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
2037-26-5	Toluene-d8 (Surr)	104		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4038.D
 Lims ID: 480-93630-B-9 Lab Sample ID: 480-93630-9
 Client ID: Duplicate
 Sample Type: Client
 Inject. Date: 12-Jan-2016 00:43:30 ALS Bottle#: 10 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-93630-B-9
 Misc. Info.: 480-0049863-010
 Operator ID: GF Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-Jan-2016 08:48:11 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK021

First Level Reviewer: goliszekg

Date: 12-Jan-2016 08:48:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.985	4.996	-0.011	99	91270	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	418404	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.161	0.000	95	230487	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.768	-0.011	0	148455	30.7	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	487892	25.9	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	96	182013	25.7	
11 Dichlorodifluoromethane	85		1.306				ND	
13 Chloromethane	50		1.420				ND	
14 Vinyl chloride	62		1.545				ND	
15 Bromomethane	94		1.824				ND	
16 Chloroethane	64		1.918				ND	
17 Trichlorofluoromethane	101		2.187				ND	
22 1,1-Dichloroethene	96		2.633				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643				ND	
23 Acetone	43		2.736				ND	
25 Carbon disulfide	76		2.819				ND	
28 Methyl acetate	43		3.006				ND	
30 Methylene Chloride	84		3.099				ND	
33 Methyl tert-butyl ether	73		3.306				ND	
32 trans-1,2-Dichloroethene	96		3.306				ND	
36 1,1-Dichloroethane	63		3.669				ND	
43 cis-1,2-Dichloroethene	96		4.135				ND	
44 2-Butanone (MEK)	43		4.156				ND	
50 Chloroform	83		4.384				ND	
51 1,1,1-Trichloroethane	97		4.498				ND	
52 Cyclohexane	56		4.519				ND	
53 Carbon tetrachloride	117		4.622				ND	
55 Benzene	78		4.778				ND	
57 1,2-Dichloroethane	62		4.819				ND	
60 Trichloroethene	95		5.265				ND	
62 Methylcyclohexane	83		5.379				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		5.441				ND	
67 Dichlorobromomethane	83		5.669				ND	
71 cis-1,3-Dichloropropene	75		5.990				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094				ND	
73 Toluene	92		6.218				ND	
75 trans-1,3-Dichloropropene	75		6.415				ND	
78 1,1,2-Trichloroethane	83		6.560				ND	
79 Tetrachloroethene	166		6.633				ND	
81 2-Hexanone	43		6.726				ND	
82 Chlorodibromomethane	129		6.871				ND	
83 Ethylene Dibromide	107		6.954				ND	
86 Chlorobenzene	112		7.317				ND	
88 Ethylbenzene	91		7.379				ND	
90 m-Xylene & p-Xylene	106		7.472				ND	
91 o-Xylene	106		7.794				ND	
92 Styrene	104		7.804				ND	
93 Bromoform	173		7.990				ND	
95 Isopropylbenzene	105		8.073				ND	
98 1,1,2,2-Tetrachloroethane	83		8.364				ND	
110 1,3-Dichlorobenzene	146		9.110				ND	
113 1,4-Dichlorobenzene	146		9.182				ND	
116 1,2-Dichlorobenzene	146		9.493				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156				ND	
119 1,2,4-Trichlorobenzene	180		10.820				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4038.D

Injection Date: 12-Jan-2016 00:43:30

Instrument ID: HP5975T

Operator ID: GF

Lims ID: 480-93630-B-9

Lab Sample ID: 480-93630-9

Worklist Smp#: 10

Client ID: Duplicate

Purge Vol: 5.000 mL

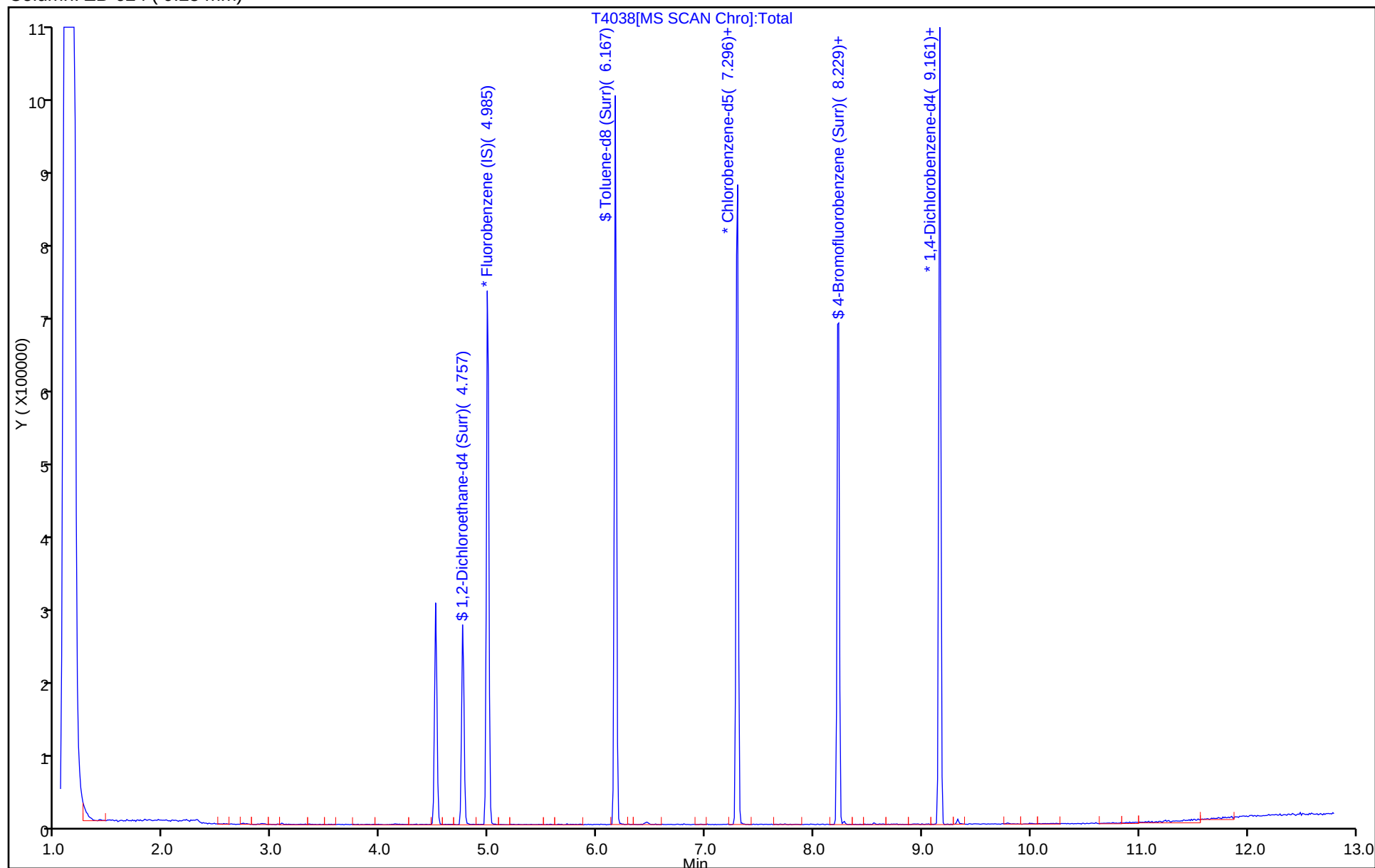
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>Rinse Blank</u>	Lab Sample ID: <u>480-93630-10</u>
Matrix: <u>Water</u>	Lab File ID: <u>T4019.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/06/2016 08:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/11/2016 17:38</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>282953</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.: 480-93630-1
 SDG No.: _____
 Client Sample ID: Rinse Blank Lab Sample ID: 480-93630-10
 Matrix: Water Lab File ID: T4019.D
 Analysis Method: 8260C Date Collected: 01/06/2016 08:00
 Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 17:38
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 282953 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		66-137
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
2037-26-5	Toluene-d8 (Surr)	105		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4019.D
 Lims ID: 480-93630-A-10 Lab Sample ID: 480-93630-10
 Client ID: Rinse Blank
 Sample Type: Client
 Inject. Date: 11-Jan-2016 17:38:30 ALS Bottle#: 69 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-93630-A-10
 Misc. Info.: 480-0049838-018
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 18:04:26 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: fortaing

Date: 11-Jan-2016 18:04:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.985	4.985	0.000	99	96522	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	421122	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.162	-0.001	95	228878	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.757	0.000	0	147609	28.8	
\$ 6 Toluene-d8 (Surr)	98	6.166	6.167	-0.001	94	497555	26.3	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	95	177805	24.9	
11 Dichlorodifluoromethane	85		1.306				ND	
13 Chloromethane	50		1.420				ND	
14 Vinyl chloride	62		1.545				ND	
15 Bromomethane	94		1.824				ND	
16 Chloroethane	64		1.907				ND	
17 Trichlorofluoromethane	101		2.187				ND	
22 1,1-Dichloroethene	96		2.633				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643				ND	
23 Acetone	43		2.726				ND	
25 Carbon disulfide	76		2.819				ND	
28 Methyl acetate	43		3.006				ND	
30 Methylene Chloride	84		3.099				ND	
32 trans-1,2-Dichloroethene	96		3.306				ND	
33 Methyl tert-butyl ether	73		3.306				ND	
36 1,1-Dichloroethane	63		3.669				ND	
43 cis-1,2-Dichloroethene	96		4.135				ND	
44 2-Butanone (MEK)	43		4.156				ND	
50 Chloroform	83		4.384				ND	
51 1,1,1-Trichloroethane	97		4.498				ND	
52 Cyclohexane	56		4.519				ND	
53 Carbon tetrachloride	117		4.612				ND	
55 Benzene	78		4.778				ND	
57 1,2-Dichloroethane	62		4.819				ND	
60 Trichloroethene	95		5.265				ND	
62 Methylcyclohexane	83		5.379				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		5.441				ND	
67 Dichlorobromomethane	83		5.669				ND	
71 cis-1,3-Dichloropropene	75		5.990				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094				ND	
73 Toluene	92		6.218				ND	
75 trans-1,3-Dichloropropene	75		6.415				ND	
78 1,1,2-Trichloroethane	83		6.560				ND	
79 Tetrachloroethene	166		6.633				ND	
81 2-Hexanone	43		6.726				ND	
82 Chlorodibromomethane	129		6.871				ND	
83 Ethylene Dibromide	107		6.954				ND	
86 Chlorobenzene	112		7.317				ND	
88 Ethylbenzene	91		7.379				ND	
90 m-Xylene & p-Xylene	106		7.472				ND	
91 o-Xylene	106		7.794				ND	
92 Styrene	104		7.804				ND	
93 Bromoform	173		7.990				ND	
95 Isopropylbenzene	105		8.073				ND	
98 1,1,2,2-Tetrachloroethane	83		8.364				ND	
110 1,3-Dichlorobenzene	146		9.110				ND	
113 1,4-Dichlorobenzene	146		9.182				ND	
116 1,2-Dichlorobenzene	146		9.493				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156				ND	
119 1,2,4-Trichlorobenzene	180		10.820				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4019.D

Injection Date: 11-Jan-2016 17:38:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-93630-A-10

Lab Sample ID: 480-93630-10

Worklist Smp#: 18

Client ID: Rinse Blank

Purge Vol: 5.000 mL

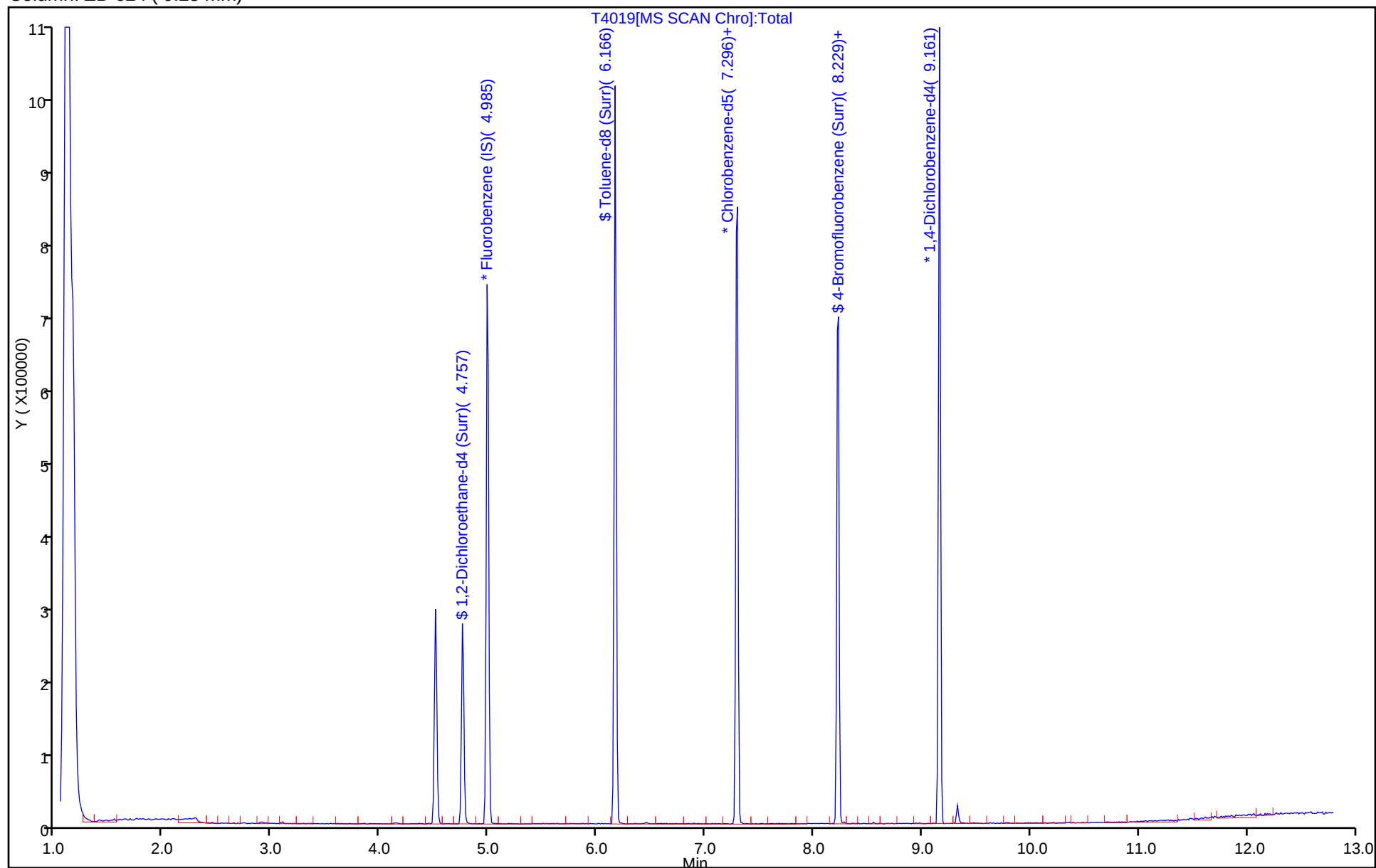
Dil. Factor: 1.0000

ALS Bottle#: 69

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-16D</u>	Lab Sample ID: <u>480-93630-11</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>T4039.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/06/2016 15:02</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/12/2016 01:07</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>5</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>283077</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6
79-00-5	1,1,2-Trichloroethane	ND		5.0	1.2
75-34-3	1,1-Dichloroethane	2.9	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)	70		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	84		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	140		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.: 480-93630-1
 SDG No.: _____
 Client Sample ID: MW-16D Lab Sample ID: 480-93630-11
 Matrix: Ground Water Lab File ID: T4039.D
 Analysis Method: 8260C Date Collected: 01/06/2016 15:02
 Sample wt/vol: 5 (mL) Date Analyzed: 01/12/2016 01:07
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 283077 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	61		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)	119		66-137
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	104		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4039.D
 Lims ID: 480-93630-B-11 Lab Sample ID: 480-93630-11
 Client ID: MW-16D
 Sample Type: Client
 Inject. Date: 12-Jan-2016 01:07:30 ALS Bottle#: 11 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 5.0000
 Sample Info: 480-93630-B-11
 Misc. Info.: 480-0049863-011
 Operator ID: GF Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-Jan-2016 08:48:11 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK021

First Level Reviewer: goliszekg

Date: 12-Jan-2016 08:50:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.985	4.996	-0.011	99	94337	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	415283	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.161	0.000	95	223968	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.768	-0.011	0	149411	29.9	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	486927	26.1	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	96	179464	25.5	
11 Dichlorodifluoromethane	85		1.306				ND	
13 Chloromethane	50		1.420				ND	
14 Vinyl chloride	62	1.534	1.545	-0.011	98	85619	12.1	
15 Bromomethane	94		1.824				ND	
16 Chloroethane	64	1.918	1.918	0.000	99	75811	28.3	
17 Trichlorofluoromethane	101		2.187				ND	
22 1,1-Dichloroethene	96		2.633				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643				ND	
23 Acetone	43	2.736	2.736	0.000	100	21624	16.8	
25 Carbon disulfide	76		2.819				ND	
28 Methyl acetate	43		3.006				ND	
30 Methylene Chloride	84		3.099				ND	
33 Methyl tert-butyl ether	73		3.306				ND	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	93	1816	0.2986	
36 1,1-Dichloroethane	63	3.659	3.669	-0.010	95	6541	0.5821	
43 cis-1,2-Dichloroethene	96	4.125	4.135	-0.010	59	1795	0.2678	
44 2-Butanone (MEK)	43	4.156	4.156	0.000	100	29209	14.1	
50 Chloroform	83		4.384				ND	
51 1,1,1-Trichloroethane	97		4.498				ND	
52 Cyclohexane	56		4.519				ND	
53 Carbon tetrachloride	117		4.622				ND	
55 Benzene	78		4.778				ND	
57 1,2-Dichloroethane	62		4.819				ND	
60 Trichloroethene	95		5.265				ND	
62 Methylcyclohexane	83		5.379				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		5.441				ND	
67 Dichlorobromomethane	83		5.669				ND	
71 cis-1,3-Dichloropropene	75		5.990				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094				ND	
73 Toluene	92	6.218	6.218	0.000	96	1827	0.1119	
75 trans-1,3-Dichloropropene	75		6.415				ND	
78 1,1,2-Trichloroethane	83		6.560				ND	
79 Tetrachloroethene	166		6.633				ND	
81 2-Hexanone	43		6.726				ND	
82 Chlorodibromomethane	129		6.871				ND	
83 Ethylene Dibromide	107		6.954				ND	
86 Chlorobenzene	112		7.317				ND	
88 Ethylbenzene	91		7.379				ND	
90 m-Xylene & p-Xylene	106		7.472				ND	
91 o-Xylene	106		7.794				ND	
92 Styrene	104		7.804				ND	
93 Bromoform	173		7.990				ND	
95 Isopropylbenzene	105		8.073				ND	
98 1,1,2,2-Tetrachloroethane	83		8.364				ND	
110 1,3-Dichlorobenzene	146		9.110				ND	
113 1,4-Dichlorobenzene	146		9.182				ND	
116 1,2-Dichlorobenzene	146		9.493				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156				ND	
119 1,2,4-Trichlorobenzene	180		10.820				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4039.D

Injection Date: 12-Jan-2016 01:07:30

Instrument ID: HP5975T

Operator ID: GF

Lims ID: 480-93630-B-11

Lab Sample ID: 480-93630-11

Worklist Smp#: 11

Client ID: MW-16D

Purge Vol: 5.000 mL

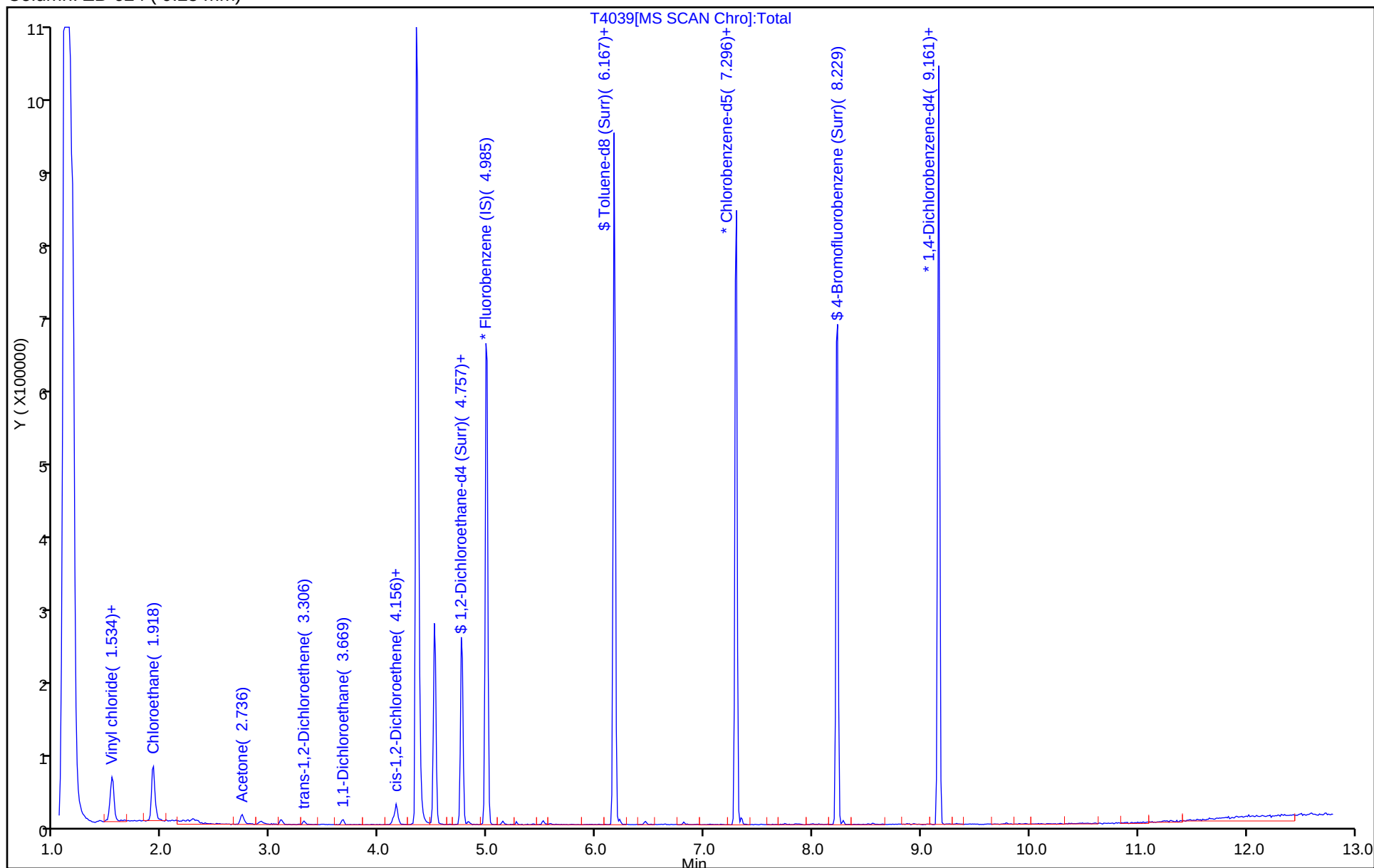
Dil. Factor: 5.0000

ALS Bottle#: 11

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4039.D

Injection Date: 12-Jan-2016 01:07:30

Instrument ID: HP5975T

Lims ID: 480-93630-B-11

Lab Sample ID: 480-93630-11

Client ID: MW-16D

Operator ID: GF

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

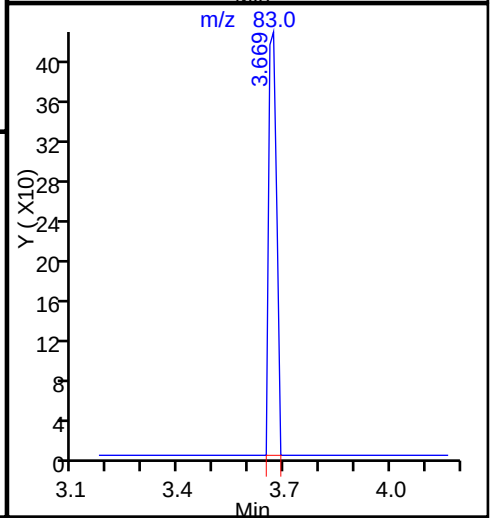
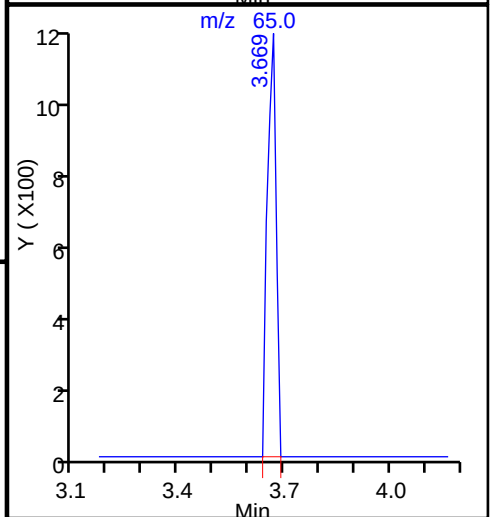
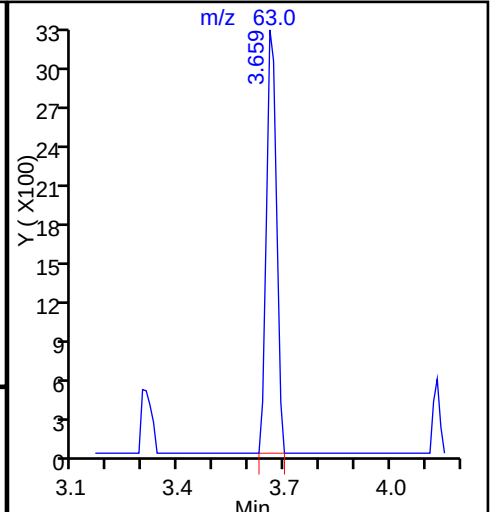
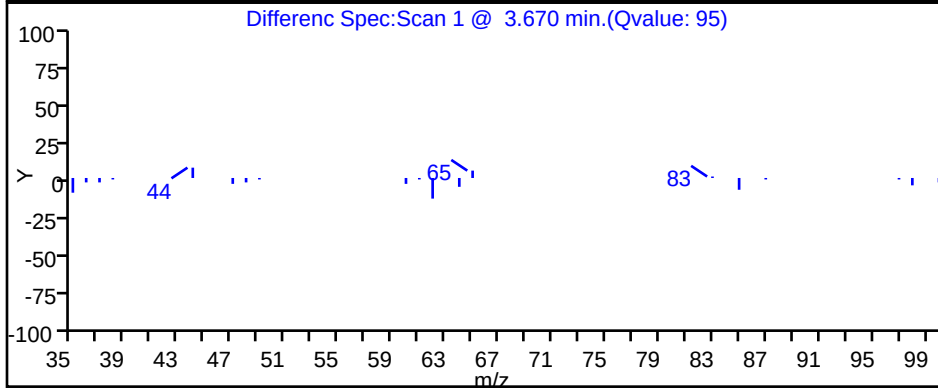
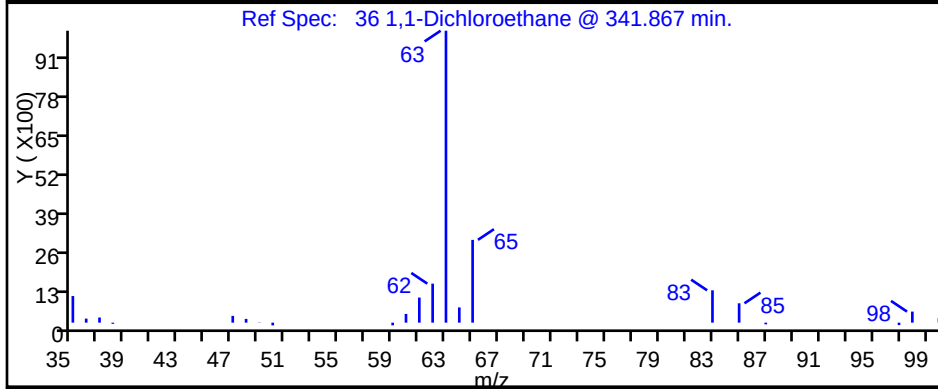
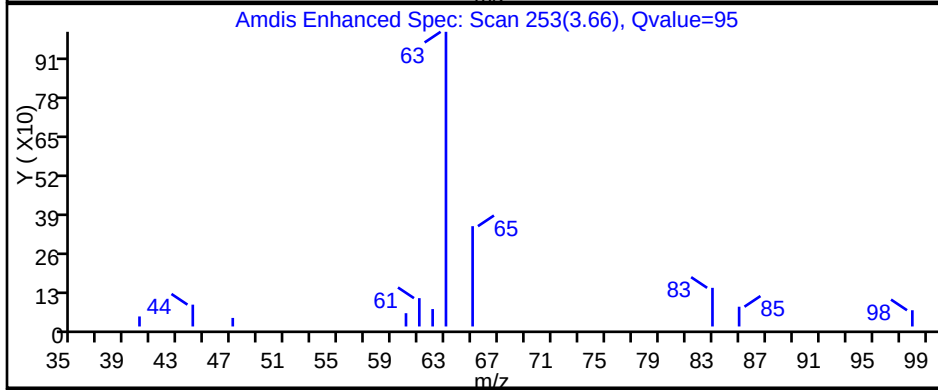
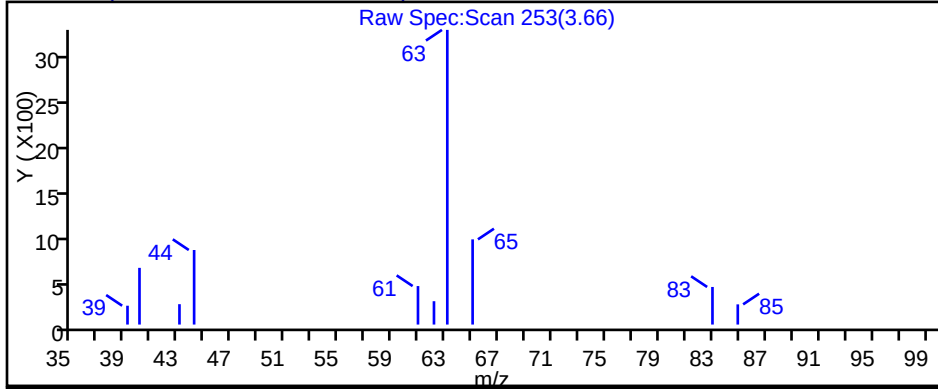
Dil. Factor: 5.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4039.D

Injection Date: 12-Jan-2016 01:07:30

Instrument ID: HP5975T

Lims ID: 480-93630-B-11

Lab Sample ID: 480-93630-11

Client ID: MW-16D

Operator ID: GF

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

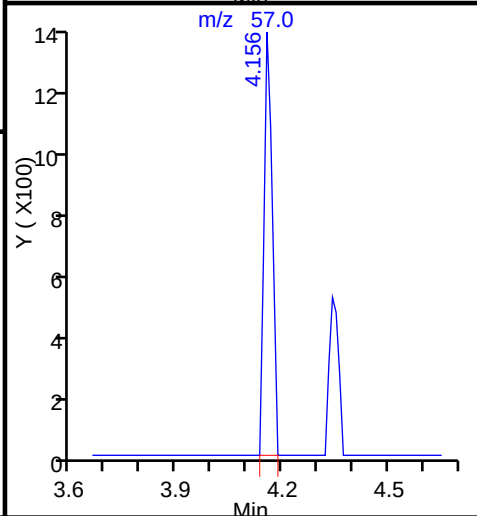
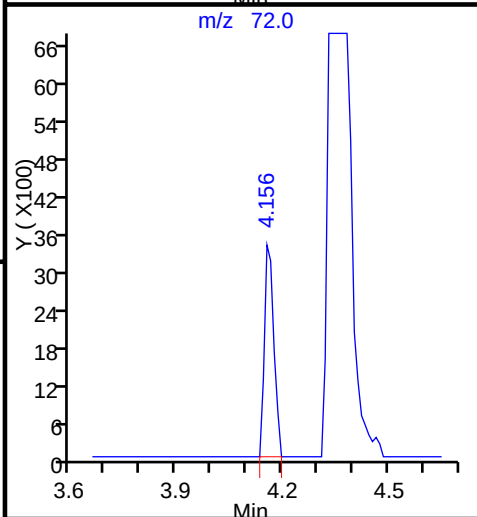
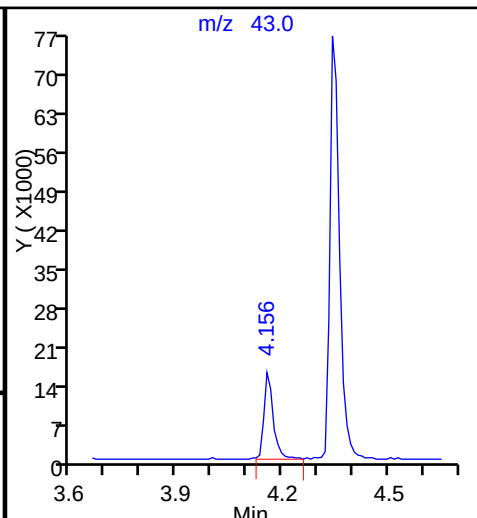
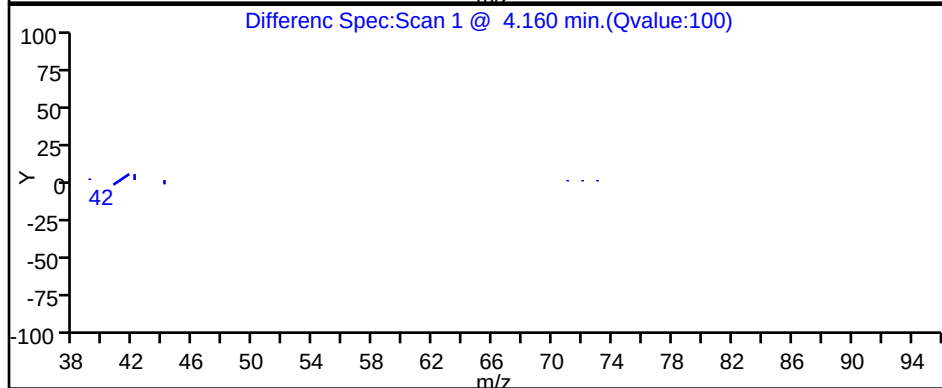
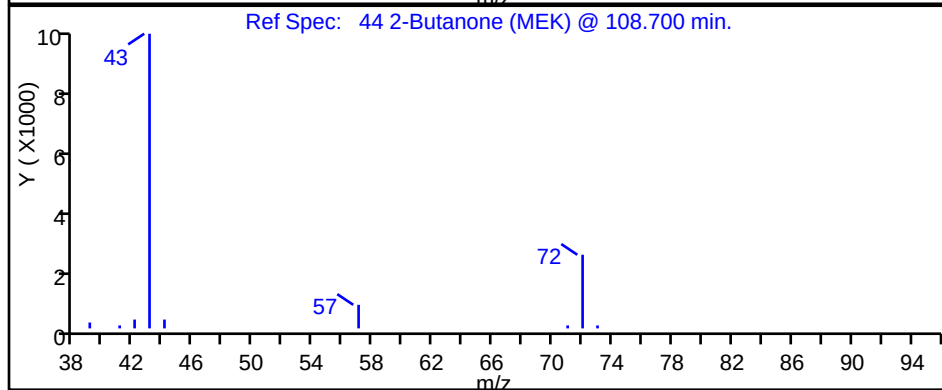
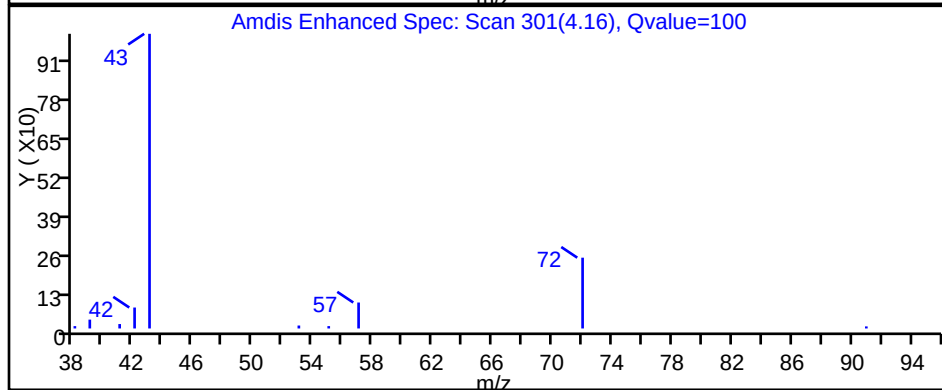
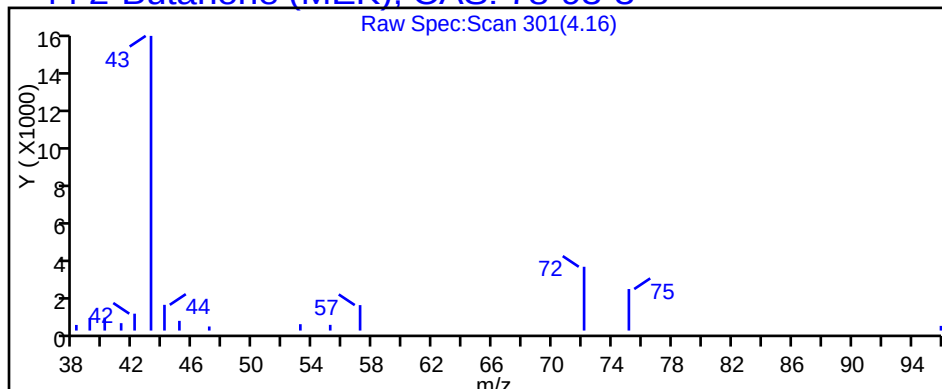
Dil. Factor: 5.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4039.D

Injection Date: 12-Jan-2016 01:07:30

Instrument ID: HP5975T

Lims ID: 480-93630-B-11

Lab Sample ID: 480-93630-11

Client ID: MW-16D

Operator ID: GF

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

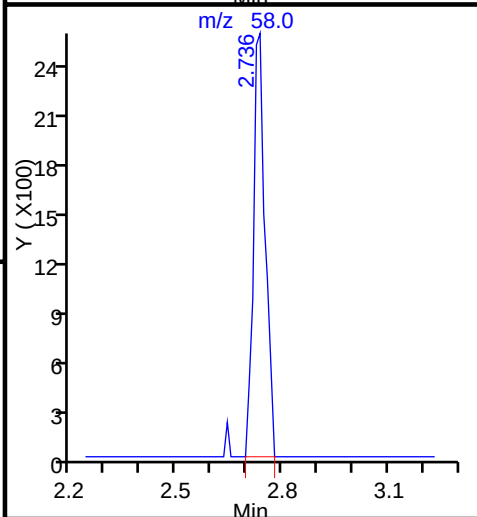
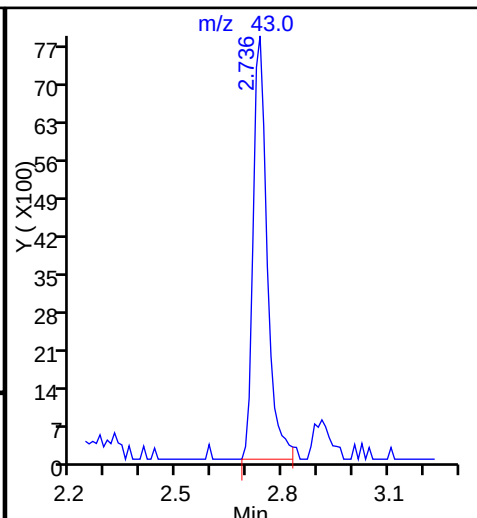
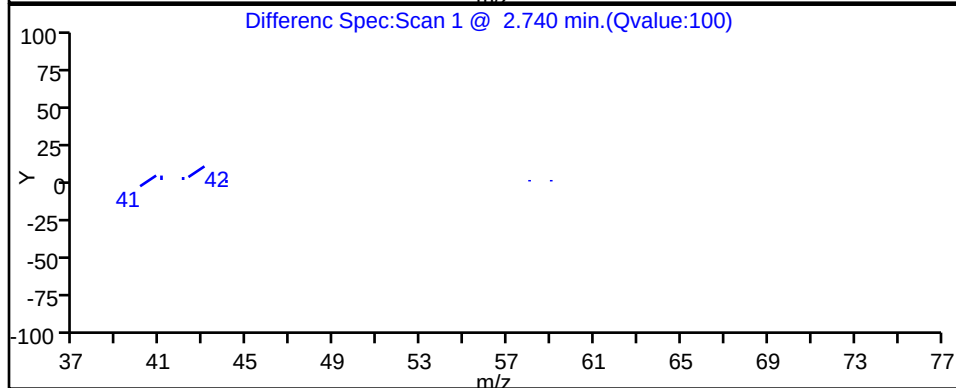
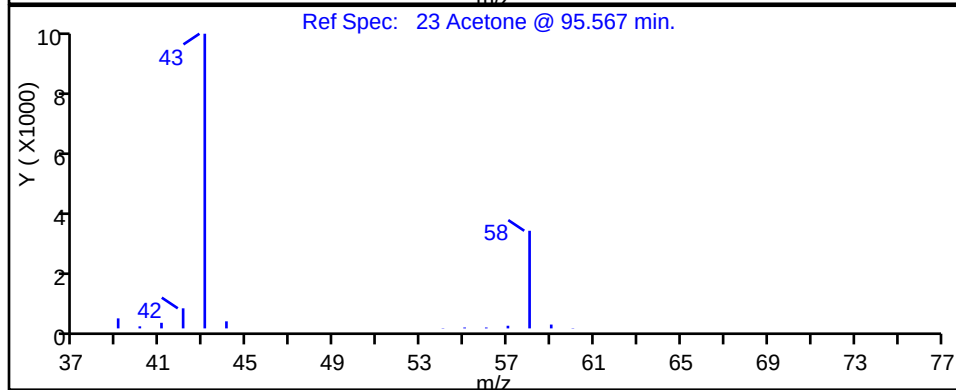
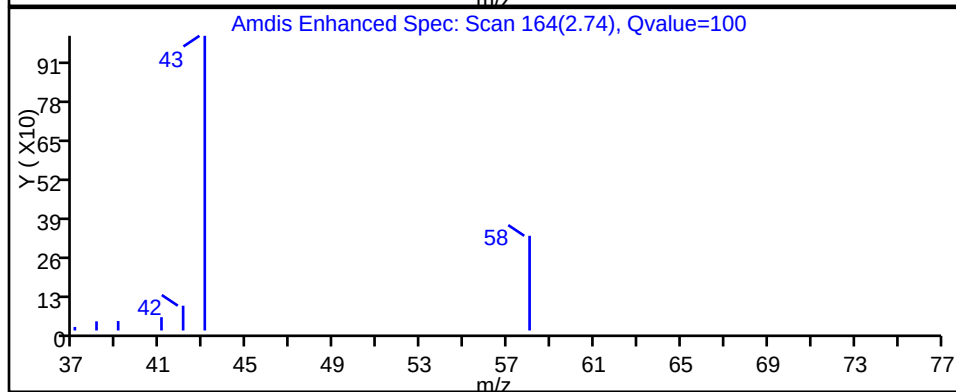
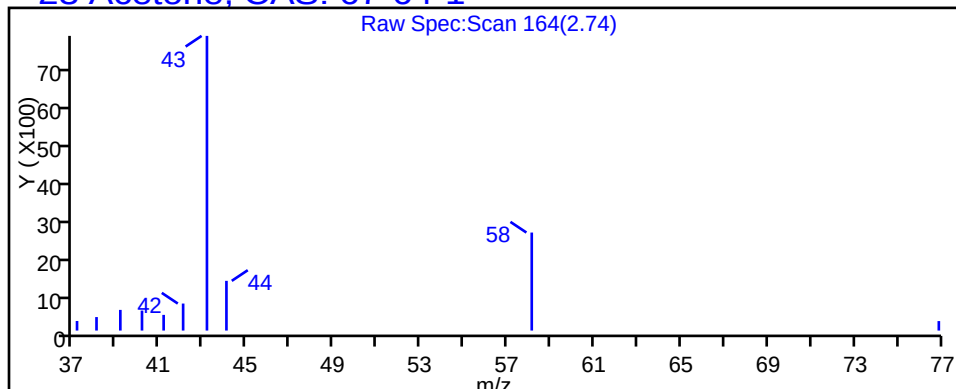
Dil. Factor: 5.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4039.D

Injection Date: 12-Jan-2016 01:07:30

Instrument ID: HP5975T

Lims ID: 480-93630-B-11

Lab Sample ID: 480-93630-11

Client ID: MW-16D

Operator ID: GF

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

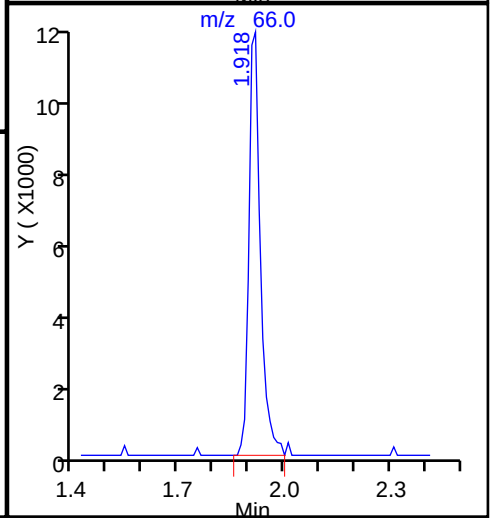
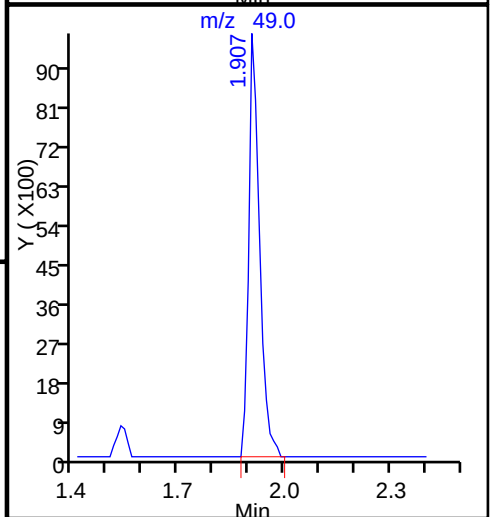
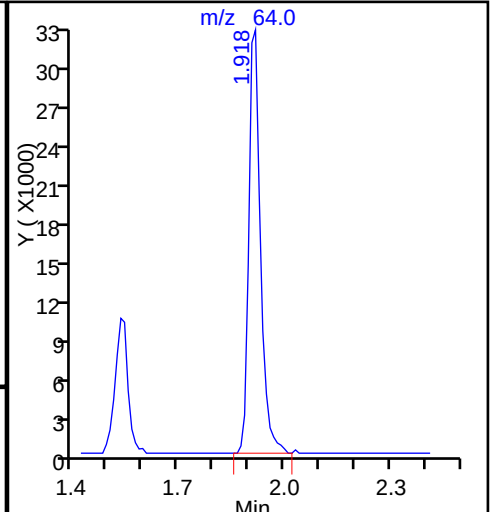
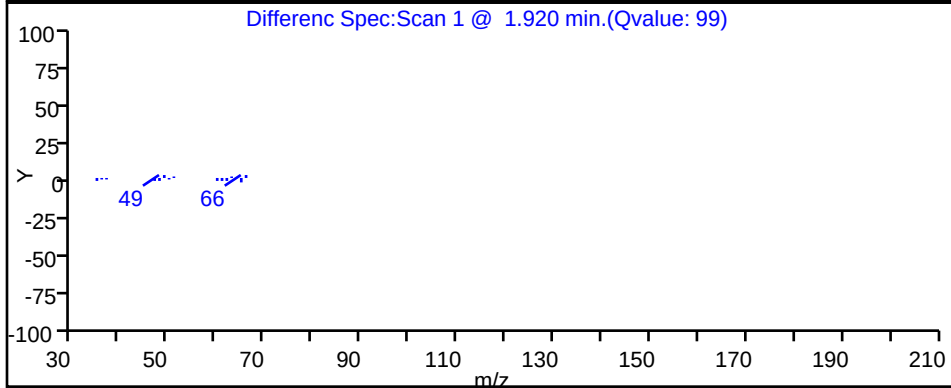
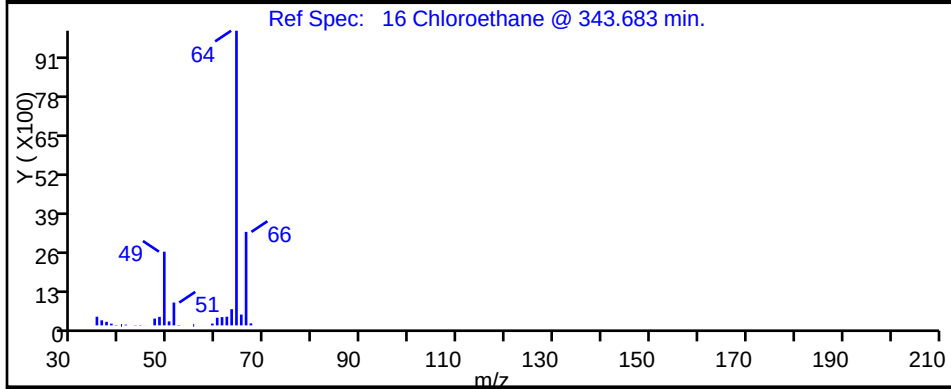
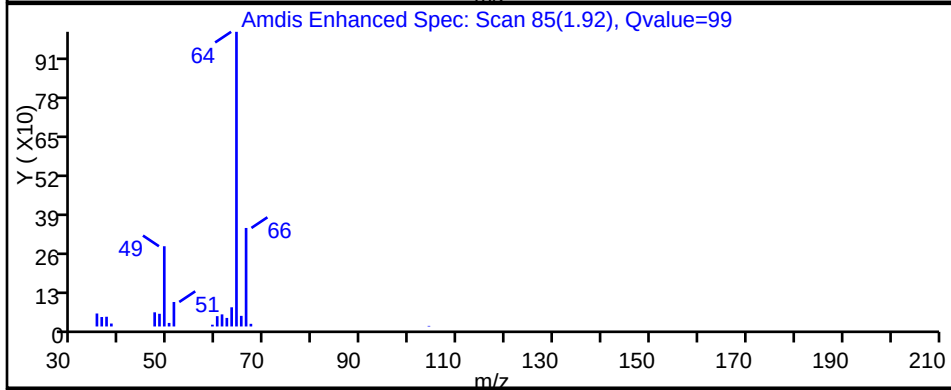
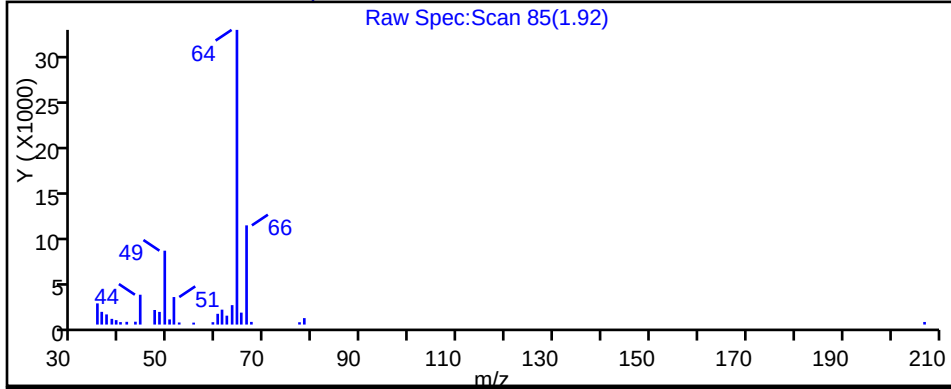
Dil. Factor: 5.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4039.D

Injection Date: 12-Jan-2016 01:07:30

Instrument ID: HP5975T

Lims ID: 480-93630-B-11

Lab Sample ID: 480-93630-11

Client ID: MW-16D

Operator ID: GF

ALS Bottle#: 11

Worklist Smp#: 11

Purge Vol: 5.000 mL

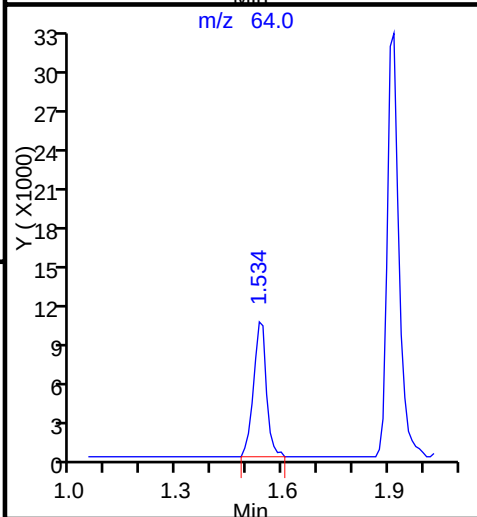
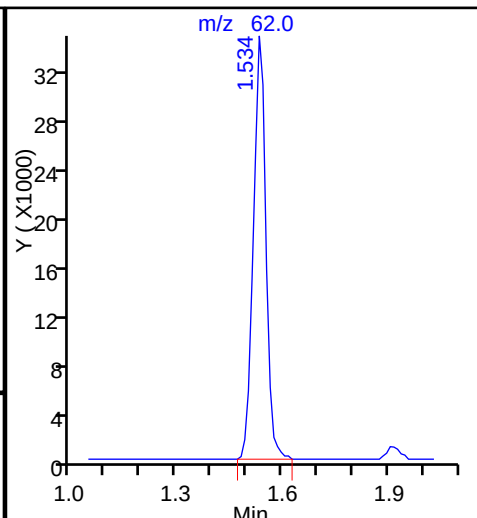
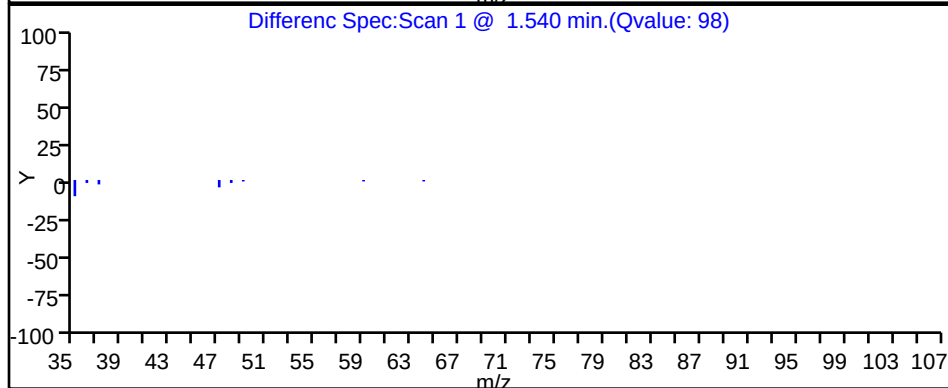
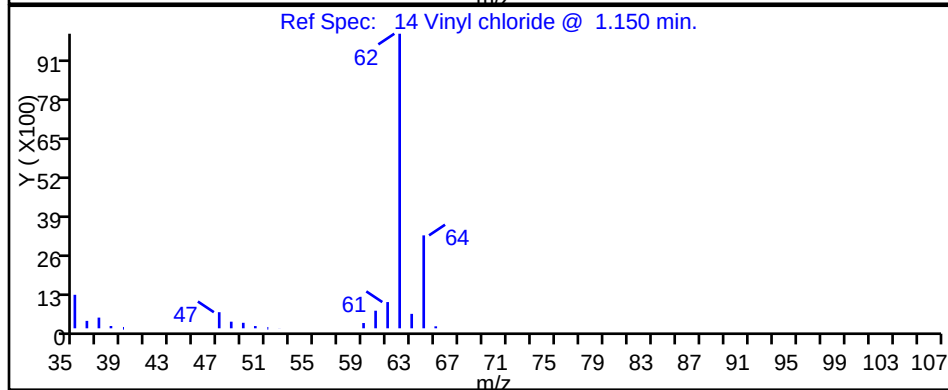
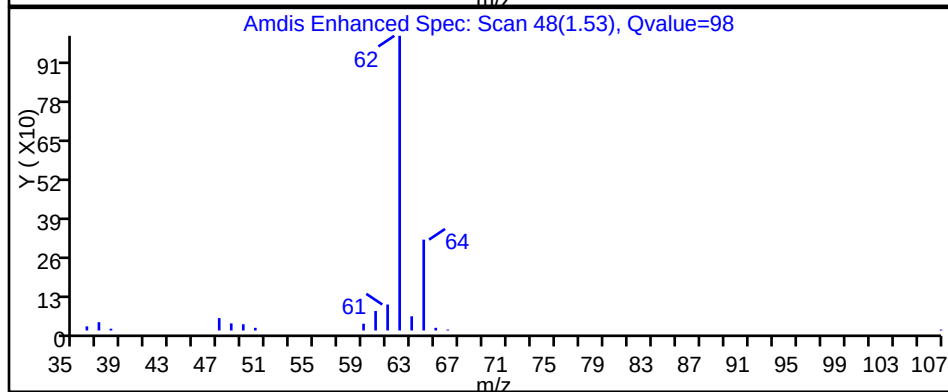
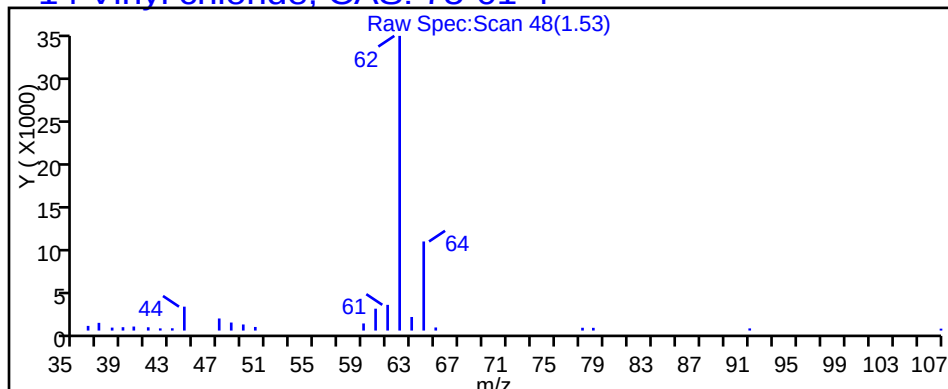
Dil. Factor: 5.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-13S</u>	Lab Sample ID: <u>480-93630-12</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>T4040.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/06/2016 14:13</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/12/2016 01:32</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>25</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>283077</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		25	21
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	5.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	7.8
79-00-5	1,1,2-Trichloroethane	ND		25	5.8
75-34-3	1,1-Dichloroethane	70		25	9.5
75-35-4	1,1-Dichloroethene	9.1	J	25	7.3
120-82-1	1,2,4-Trichlorobenzene	ND		25	10
96-12-8	1,2-Dibromo-3-Chloropropane	ND		25	9.8
106-93-4	1,2-Dibromoethane	ND		25	18
95-50-1	1,2-Dichlorobenzene	ND		25	20
107-06-2	1,2-Dichloroethane	ND		25	5.3
78-87-5	1,2-Dichloropropane	ND		25	18
541-73-1	1,3-Dichlorobenzene	ND		25	20
106-46-7	1,4-Dichlorobenzene	ND		25	21
78-93-3	2-Butanone (MEK)	160	J	250	33
591-78-6	2-Hexanone	ND		130	31
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		130	53
67-64-1	Acetone	120	J	250	75
71-43-2	Benzene	ND		25	10
75-27-4	Bromodichloromethane	ND		25	9.8
75-25-2	Bromoform	ND		25	6.5
74-83-9	Bromomethane	ND		25	17
75-15-0	Carbon disulfide	ND		25	4.8
56-23-5	Carbon tetrachloride	ND		25	6.8
108-90-7	Chlorobenzene	ND		25	19
75-00-3	Chloroethane	38		25	8.0
67-66-3	Chloroform	ND		25	8.5
74-87-3	Chloromethane	ND		25	8.8
156-59-2	cis-1,2-Dichloroethene	150		25	20
10061-01-5	cis-1,3-Dichloropropene	ND		25	9.0
110-82-7	Cyclohexane	ND		25	4.5
124-48-1	Dibromochloromethane	ND		25	8.0
75-71-8	Dichlorodifluoromethane	ND		25	17
100-41-4	Ethylbenzene	ND		25	19
98-82-8	Isopropylbenzene	ND		25	20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Client Sample ID: MW-13S Lab Sample ID: 480-93630-12
 Matrix: Ground Water Lab File ID: T4040.D
 Analysis Method: 8260C Date Collected: 01/06/2016 14:13
 Sample wt/vol: 5 (mL) Date Analyzed: 01/12/2016 01:32
 Soil Aliquot Vol: _____ Dilution Factor: 25
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 283077 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		63	33
1634-04-4	Methyl tert-butyl ether	ND		25	4.0
108-87-2	Methylcyclohexane	ND		25	4.0
75-09-2	Methylene Chloride	ND		25	11
100-42-5	Styrene	ND		25	18
127-18-4	Tetrachloroethene	ND		25	9.0
108-88-3	Toluene	ND		25	13
156-60-5	trans-1,2-Dichloroethene	ND		25	23
10061-02-6	trans-1,3-Dichloropropene	ND		25	9.3
79-01-6	Trichloroethene	41		25	12
75-69-4	Trichlorofluoromethane	ND		25	22
75-01-4	Vinyl chloride	1600		25	23
1330-20-7	Xylenes, Total	ND		50	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		66-137
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	105		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4040.D
 Lims ID: 480-93630-B-12 Lab Sample ID: 480-93630-12
 Client ID: MW-13S
 Sample Type: Client
 Inject. Date: 12-Jan-2016 01:32:30 ALS Bottle#: 12 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 25.0000
 Sample Info: 480-93630-B-12
 Misc. Info.: 480-0049863-012
 Operator ID: GF Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-Jan-2016 08:48:11 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK021

First Level Reviewer: goliszekg

Date: 12-Jan-2016 08:49:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.985	4.996	-0.011	99	95465	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	413841	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.161	0.000	95	227946	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.768	-0.011	0	147007	29.0	
\$ 6 Toluene-d8 (Surr)	98	6.166	6.167	-0.001	94	489580	26.3	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	97	177086	25.3	
11 Dichlorodifluoromethane	85		1.306				ND	
13 Chloromethane	50		1.420				ND	
14 Vinyl chloride	62	1.545	1.545	0.000	99	463340	64.9	
15 Bromomethane	94		1.824				ND	
16 Chloroethane	64	1.907	1.918	-0.011	89	4157	1.53	
17 Trichlorofluoromethane	101		2.187				ND	
22 1,1-Dichloroethene	96	2.622	2.633	-0.011	94	2080	0.3644	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643				ND	
23 Acetone	43	2.736	2.736	0.000	97	6356	4.88	
25 Carbon disulfide	76		2.819				ND	
28 Methyl acetate	43		3.006				ND	
30 Methylene Chloride	84		3.099				ND	
33 Methyl tert-butyl ether	73		3.306				ND	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	93	2627	0.4269	
36 1,1-Dichloroethane	63	3.659	3.669	-0.010	97	31658	2.78	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	80	39875	5.88	
44 2-Butanone (MEK)	43	4.166	4.156	0.010	100	13614	6.48	
50 Chloroform	83		4.384				ND	
51 1,1,1-Trichloroethane	97		4.498				ND	
52 Cyclohexane	56		4.519				ND	
53 Carbon tetrachloride	117		4.622				ND	
55 Benzene	78		4.778				ND	
57 1,2-Dichloroethane	62		4.819				ND	
60 Trichloroethene	95	5.265	5.265	0.000	90	10079	1.64	
62 Methylcyclohexane	83		5.379				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		5.441				ND	
67 Dichlorobromomethane	83		5.669				ND	
71 cis-1,3-Dichloropropene	75		5.990				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094				ND	
73 Toluene	92	6.218	6.218	0.000	97	3876	0.2381	
75 trans-1,3-Dichloropropene	75		6.415				ND	
78 1,1,2-Trichloroethane	83		6.560				ND	
79 Tetrachloroethene	166		6.633				ND	
81 2-Hexanone	43		6.726				ND	
82 Chlorodibromomethane	129		6.871				ND	
83 Ethylene Dibromide	107		6.954				ND	
86 Chlorobenzene	112		7.317				ND	
88 Ethylbenzene	91		7.379				ND	
90 m-Xylene & p-Xylene	106		7.472				ND	
91 o-Xylene	106		7.794				ND	
92 Styrene	104		7.804				ND	
93 Bromoform	173		7.990				ND	
95 Isopropylbenzene	105		8.073				ND	
98 1,1,2,2-Tetrachloroethane	83		8.364				ND	
110 1,3-Dichlorobenzene	146		9.110				ND	
113 1,4-Dichlorobenzene	146		9.182				ND	
116 1,2-Dichlorobenzene	146		9.493				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156				ND	
119 1,2,4-Trichlorobenzene	180		10.820				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4040.D

Injection Date: 12-Jan-2016 01:32:30

Instrument ID: HP5975T

Operator ID: GF

Lims ID: 480-93630-B-12

Lab Sample ID: 480-93630-12

Worklist Smp#: 12

Client ID: MW-13S

Purge Vol: 5.000 mL

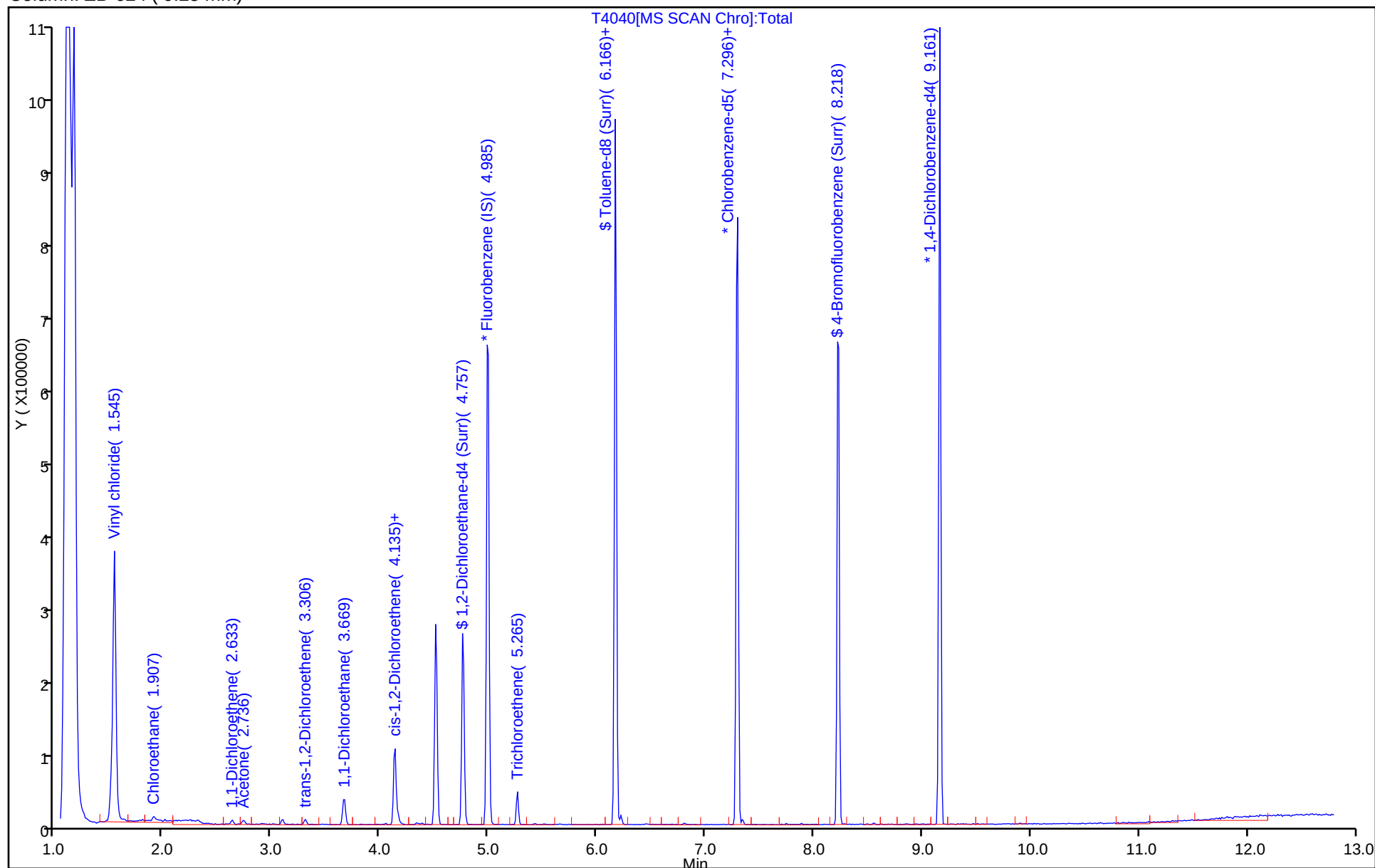
Dil. Factor: 25.0000

ALS Bottle#: 12

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4040.D

Injection Date: 12-Jan-2016 01:32:30

Instrument ID: HP5975T

Lims ID: 480-93630-B-12

Lab Sample ID: 480-93630-12

Client ID: MW-13S

Operator ID: GF

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

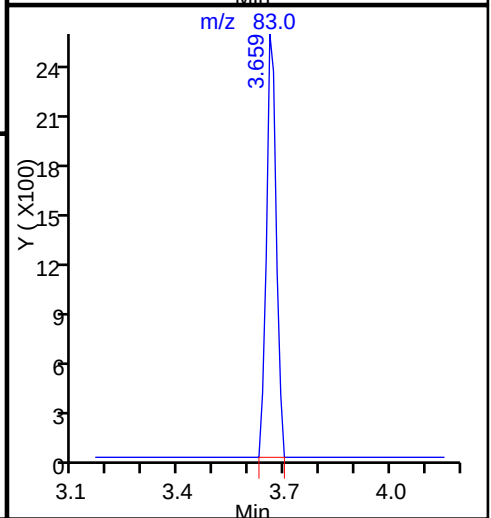
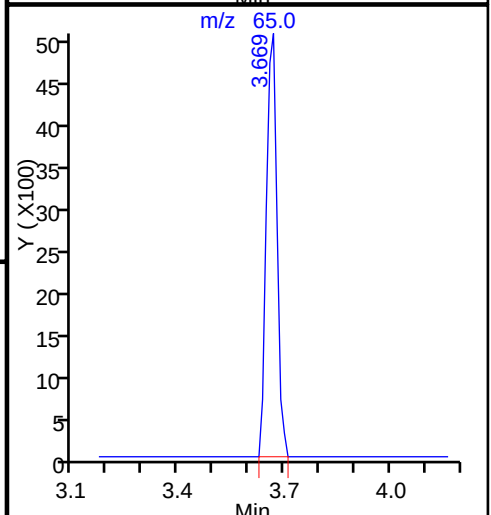
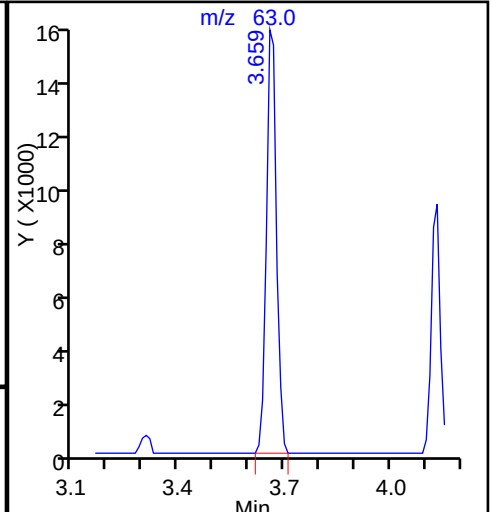
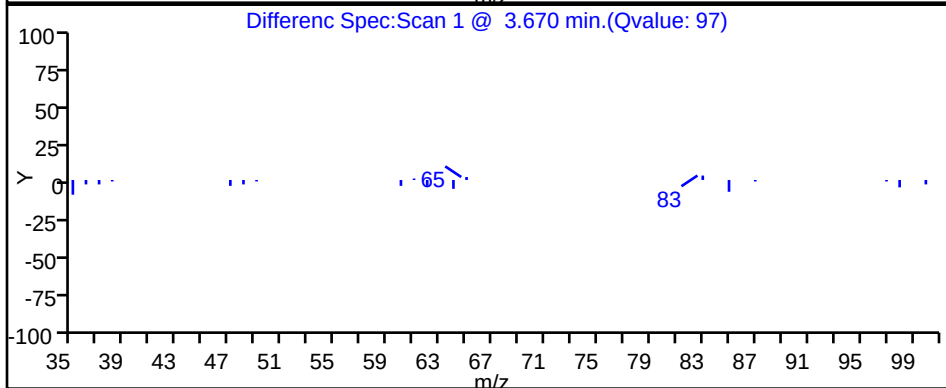
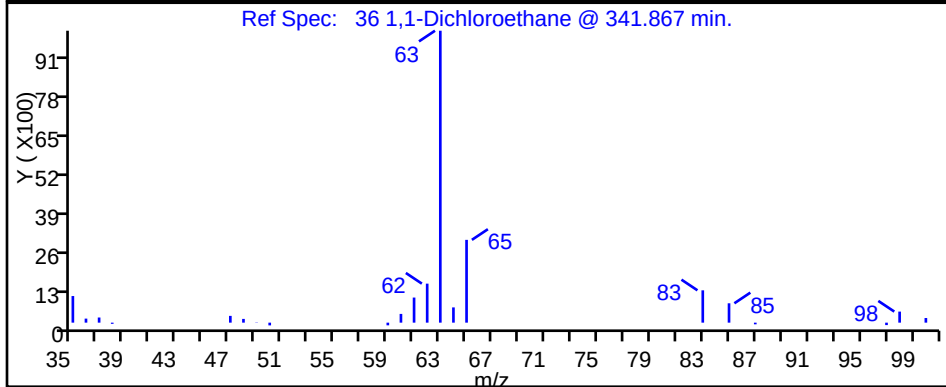
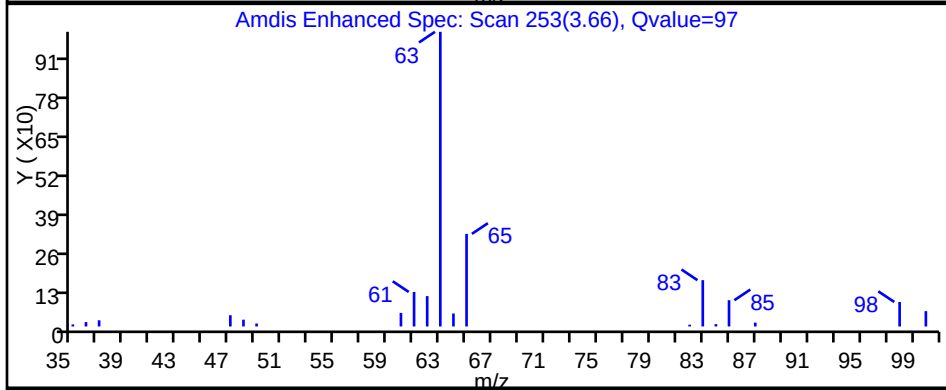
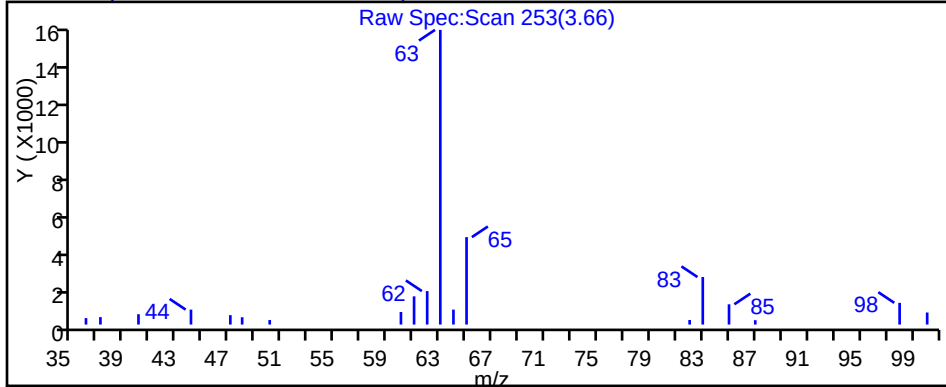
Dil. Factor: 25.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4040.D

Injection Date: 12-Jan-2016 01:32:30

Instrument ID: HP5975T

Lims ID: 480-93630-B-12

Lab Sample ID: 480-93630-12

Client ID: MW-13S

Operator ID: GF

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

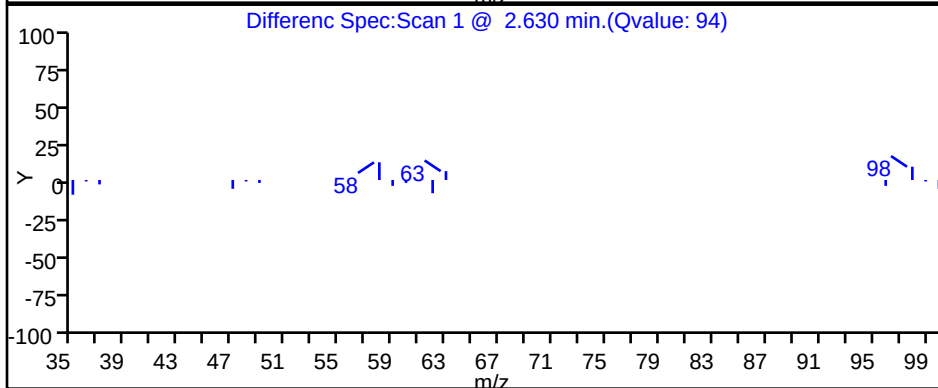
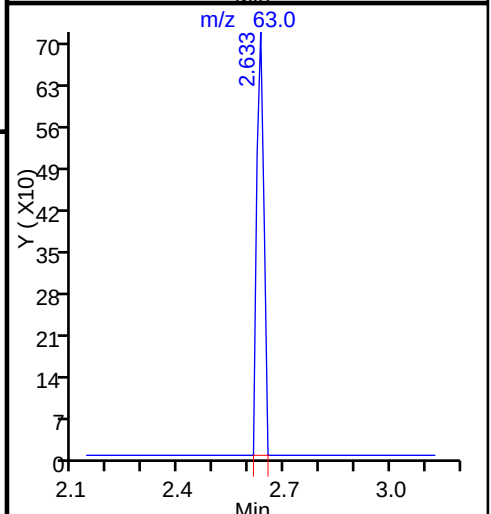
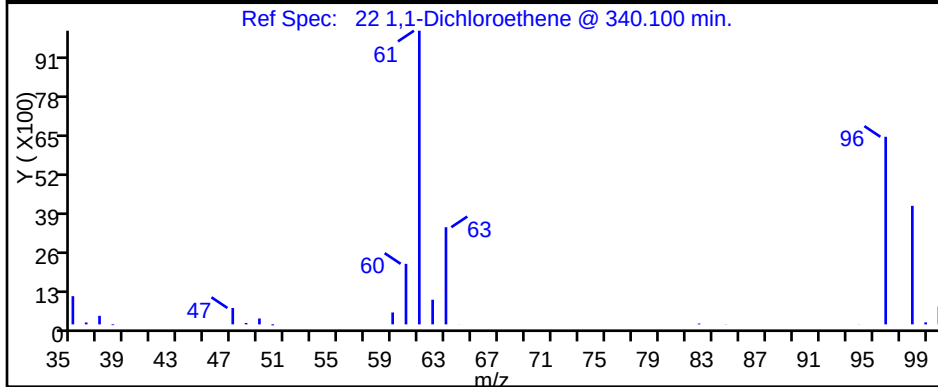
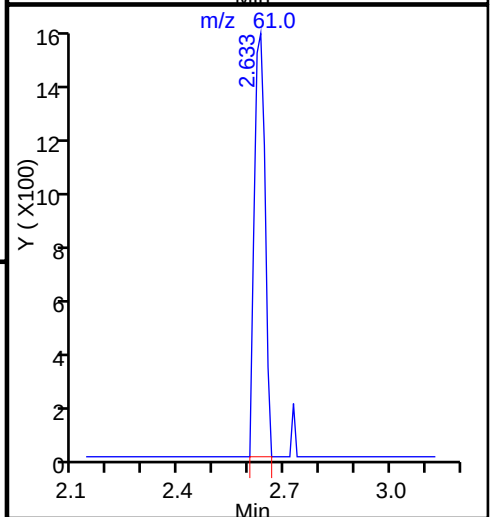
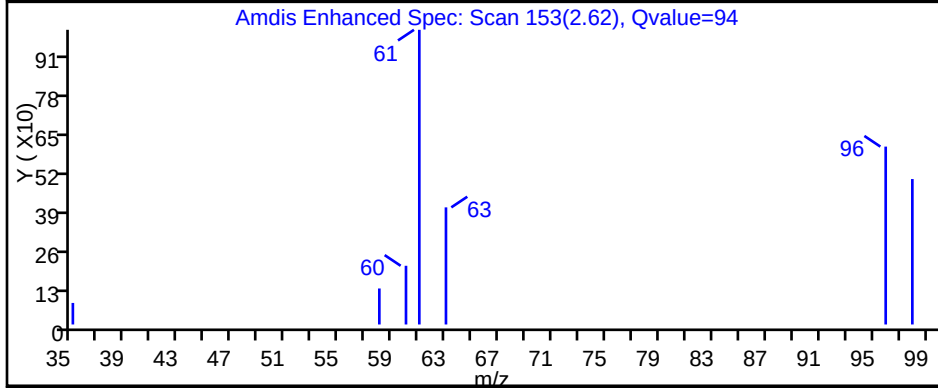
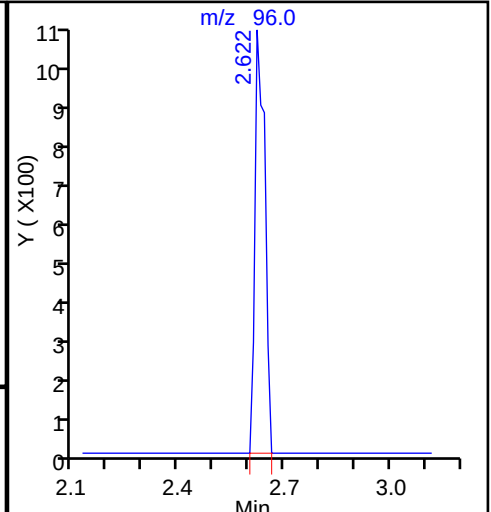
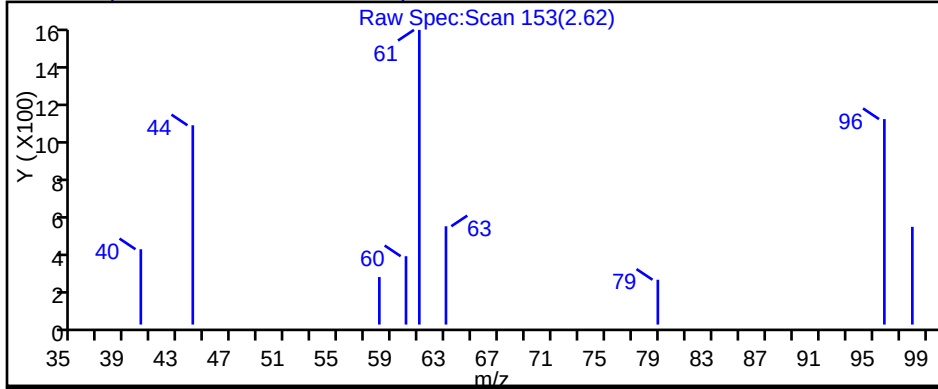
Dil. Factor: 25.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4040.D

Injection Date: 12-Jan-2016 01:32:30

Instrument ID: HP5975T

Lims ID: 480-93630-B-12

Lab Sample ID: 480-93630-12

Client ID: MW-13S

Operator ID: GF

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 25.0000

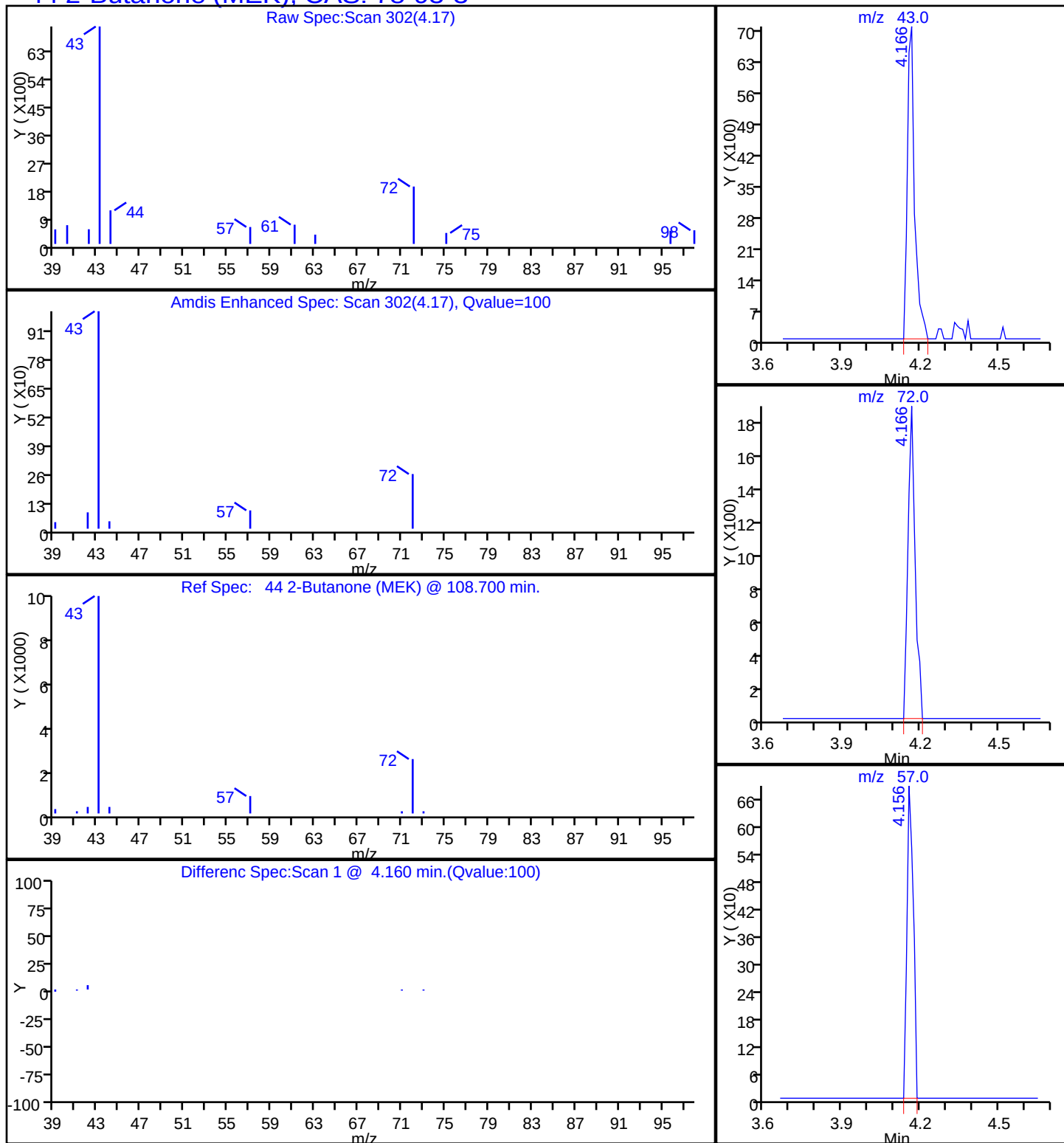
Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4040.D

Injection Date: 12-Jan-2016 01:32:30

Instrument ID: HP5975T

Lims ID: 480-93630-B-12

Lab Sample ID: 480-93630-12

Client ID: MW-13S

Operator ID: GF

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 25.0000

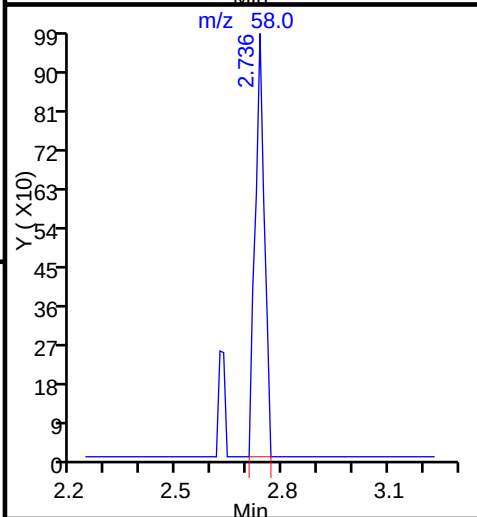
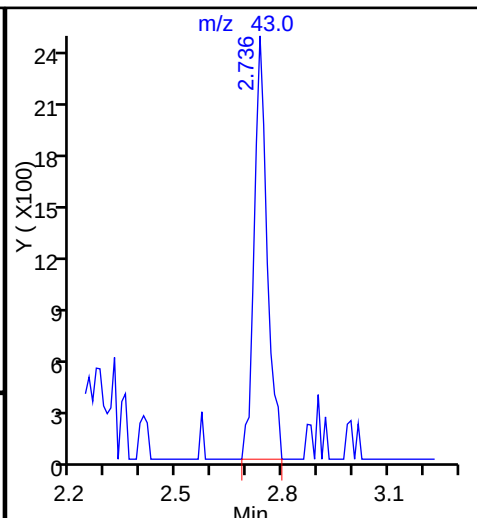
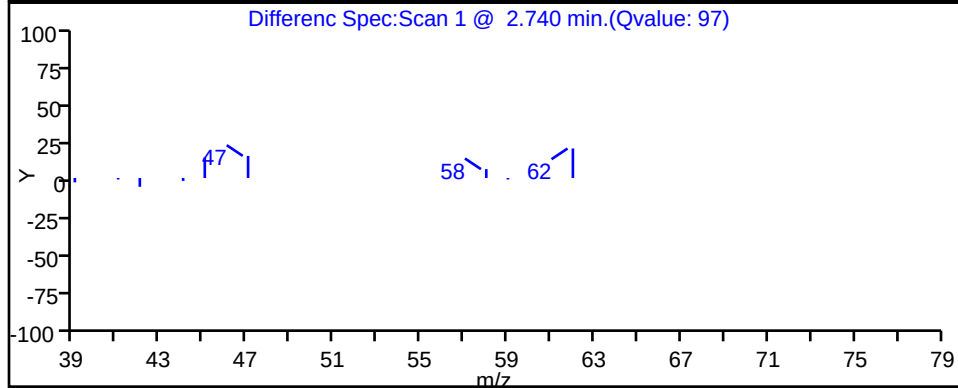
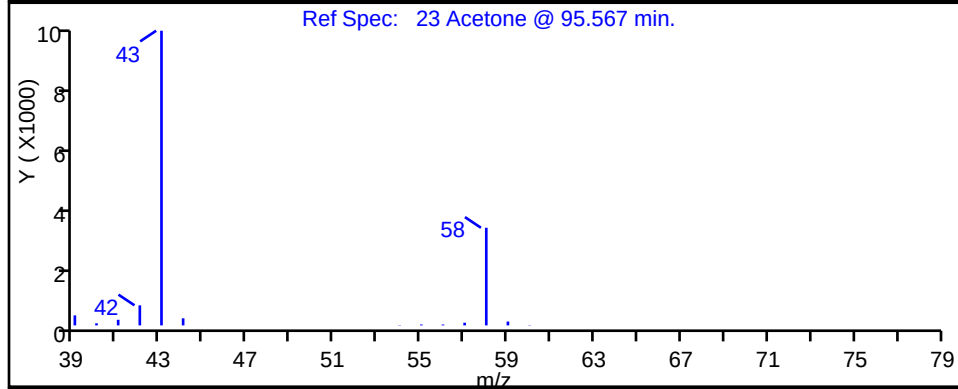
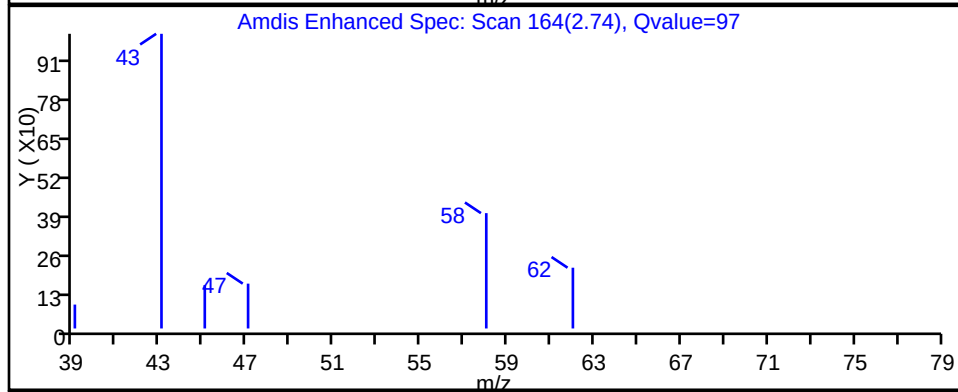
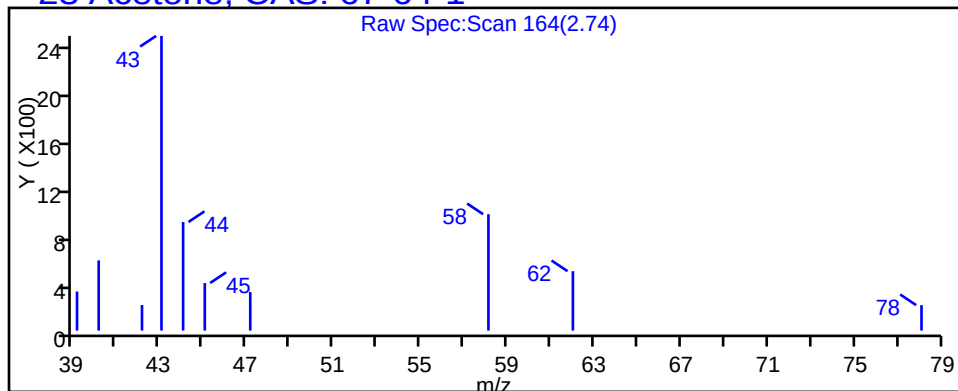
Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4040.D

Injection Date: 12-Jan-2016 01:32:30

Instrument ID: HP5975T

Lims ID: 480-93630-B-12

Lab Sample ID: 480-93630-12

Client ID: MW-13S

Operator ID: GF

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

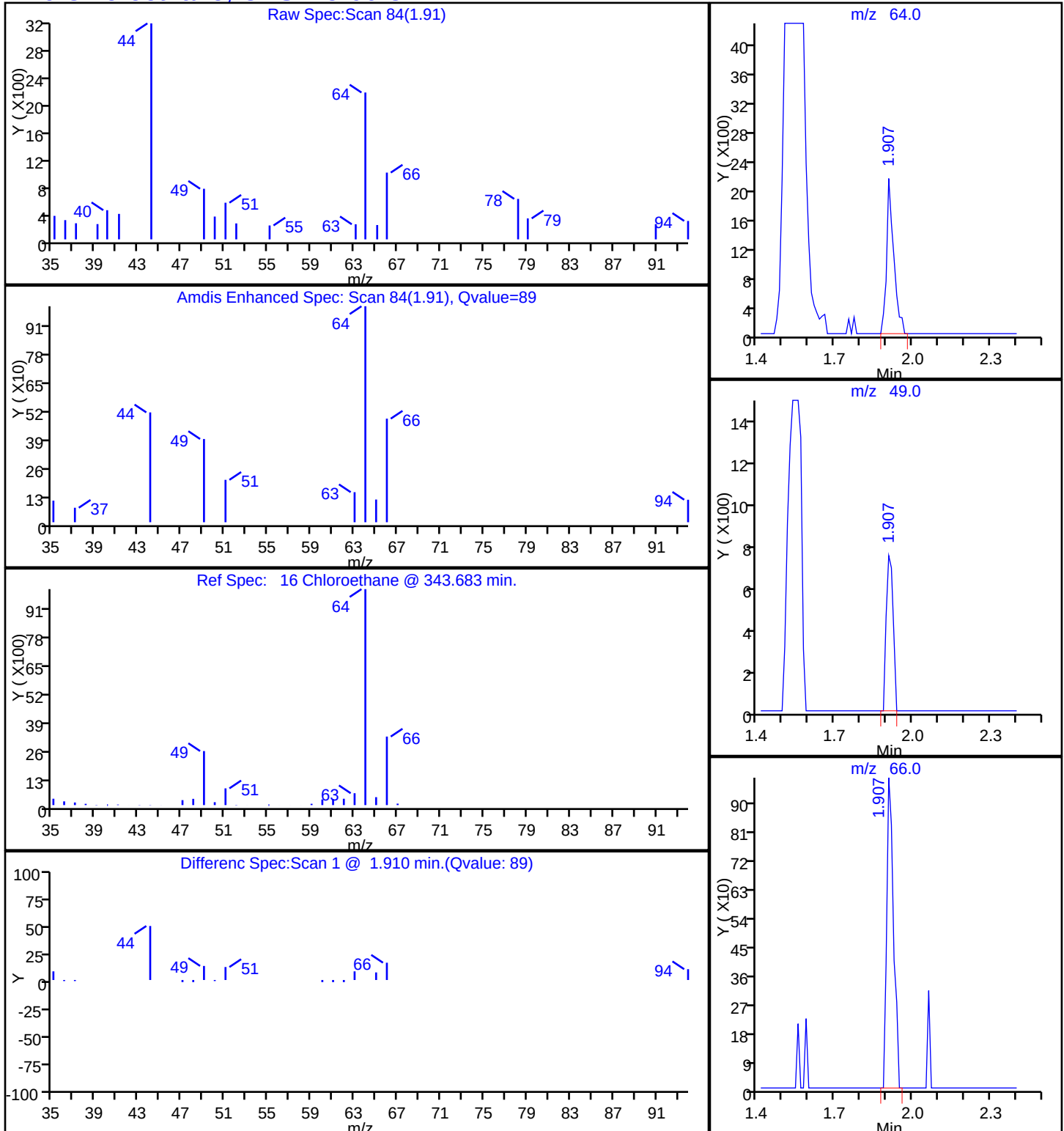
Dil. Factor: 25.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4040.D

Injection Date: 12-Jan-2016 01:32:30

Instrument ID: HP5975T

Lims ID: 480-93630-B-12

Lab Sample ID: 480-93630-12

Client ID: MW-13S

Operator ID: GF

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

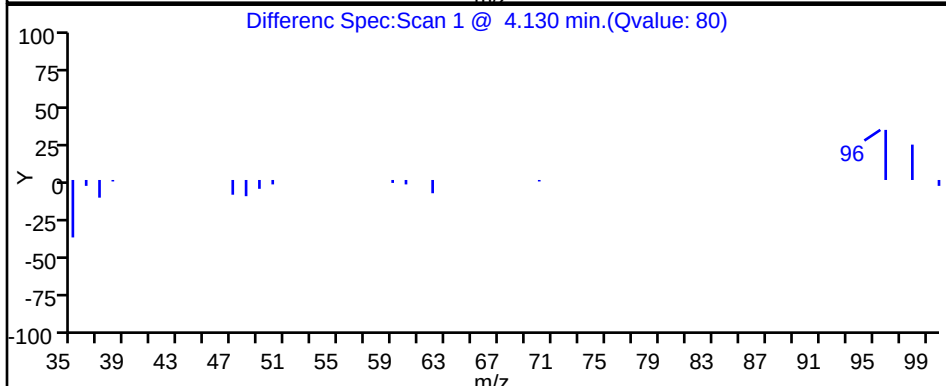
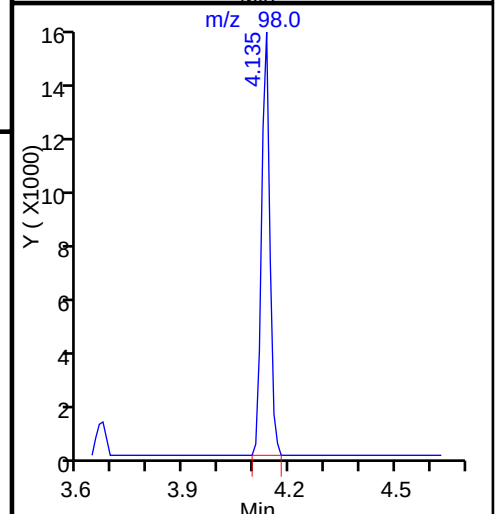
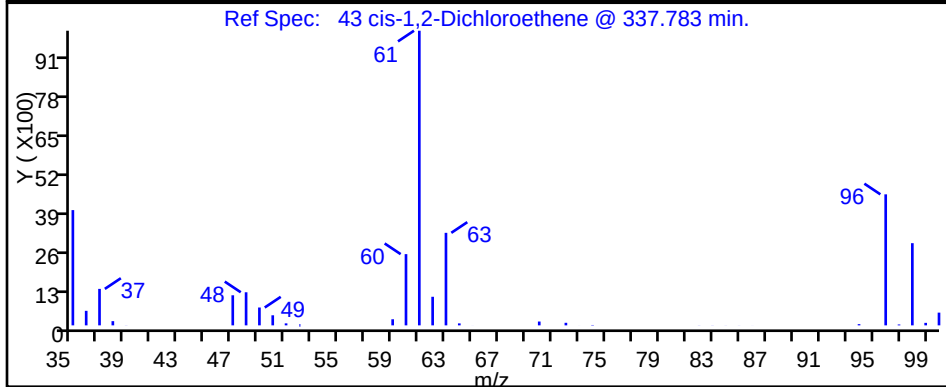
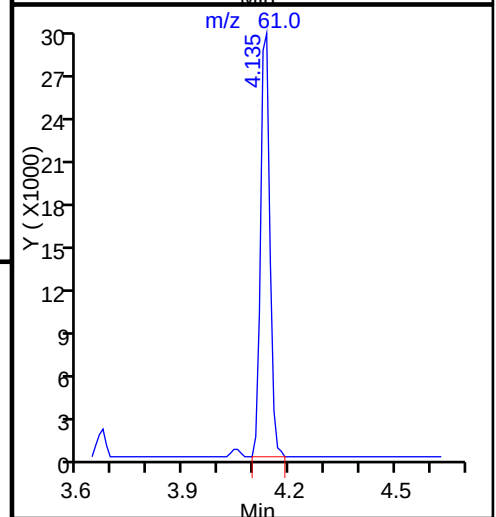
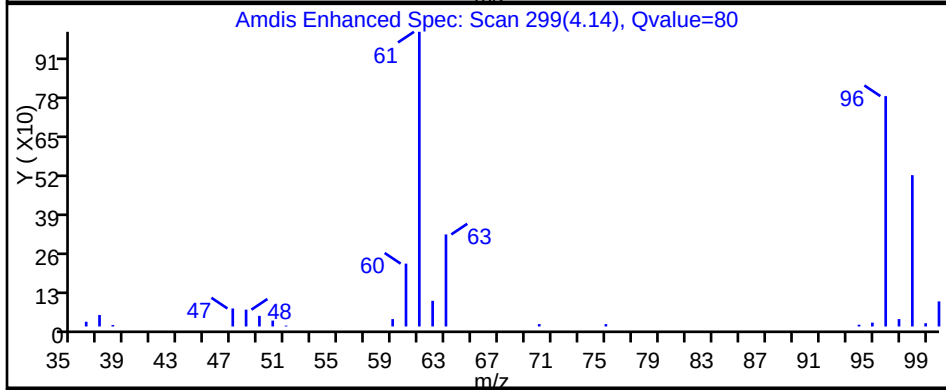
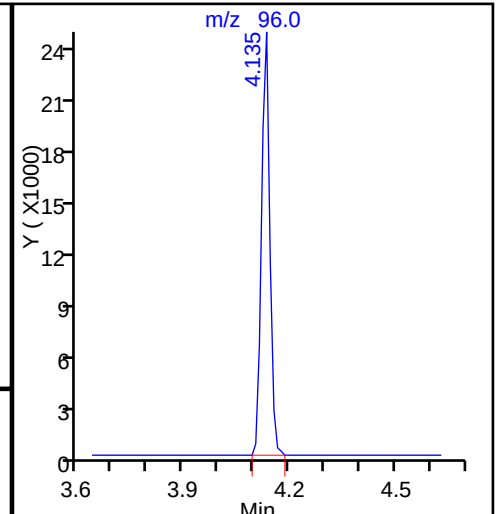
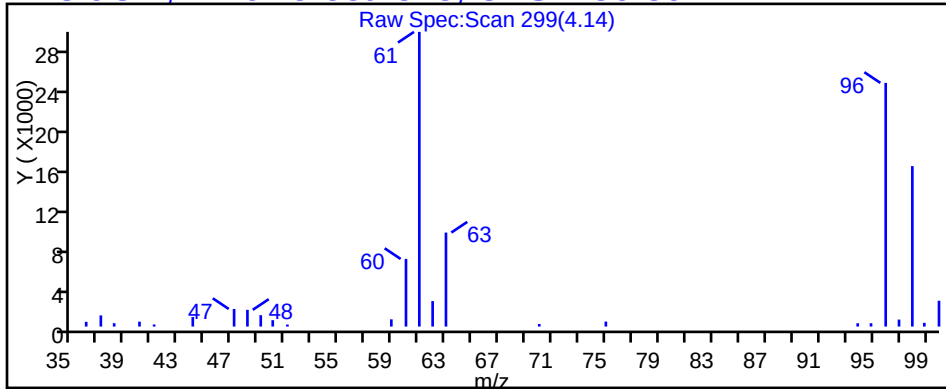
Dil. Factor: 25.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4040.D

Injection Date: 12-Jan-2016 01:32:30

Instrument ID: HP5975T

Lims ID: 480-93630-B-12

Lab Sample ID: 480-93630-12

Client ID: MW-13S

Operator ID: GF

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

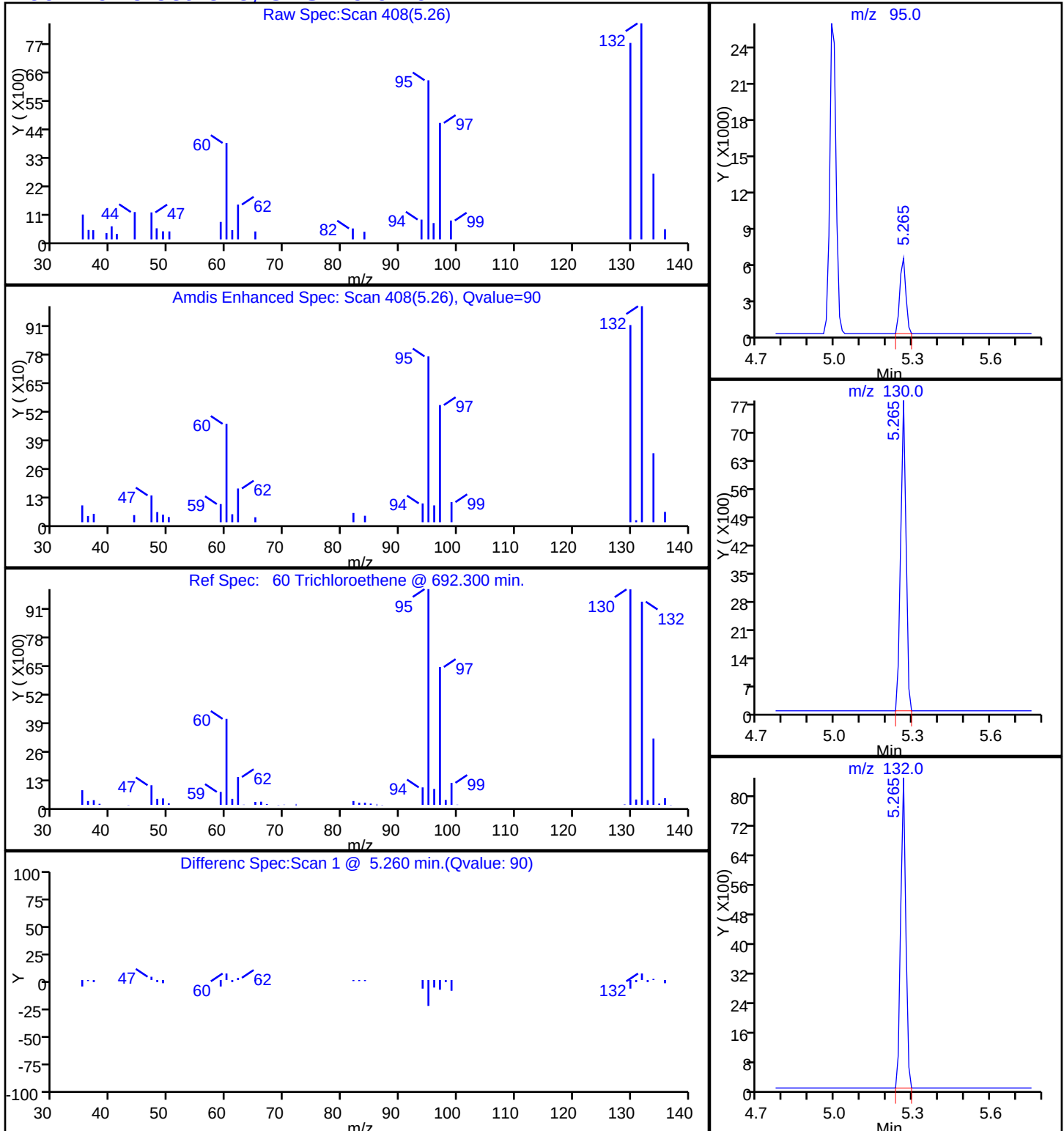
Dil. Factor: 25.0000

Method: T-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\HP5975T\20160111-49863.b\T4040.D

Injection Date: 12-Jan-2016 01:32:30

Instrument ID: HP5975T

Lims ID: 480-93630-B-12

Lab Sample ID: 480-93630-12

Client ID: MW-13S

Operator ID: GF

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

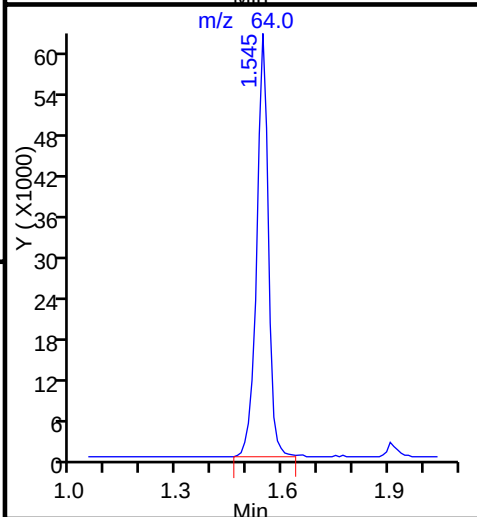
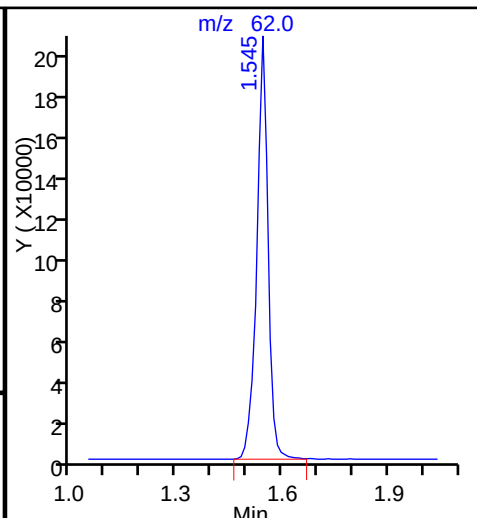
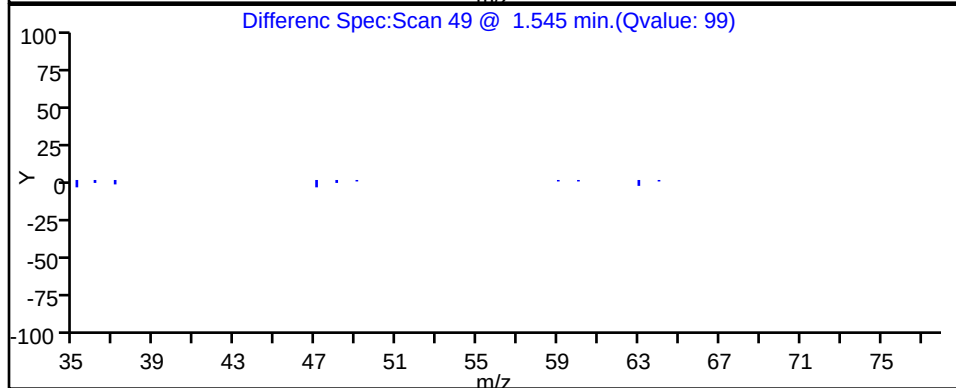
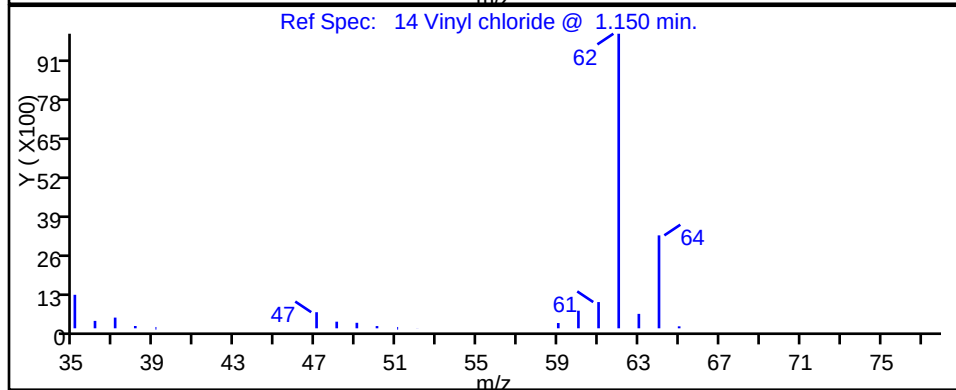
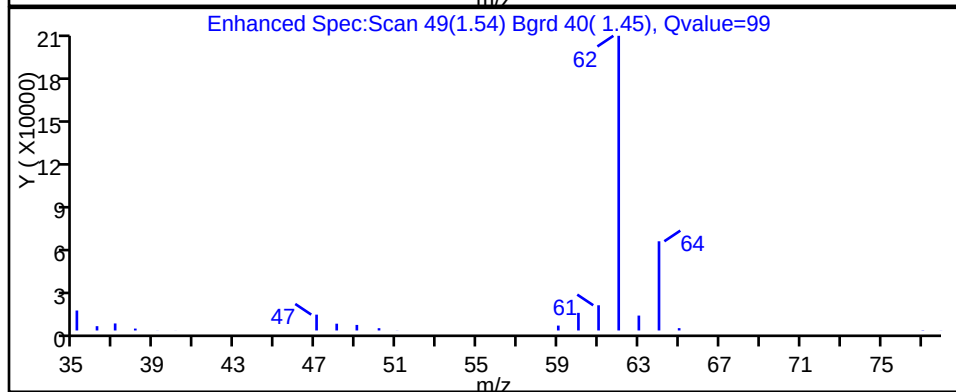
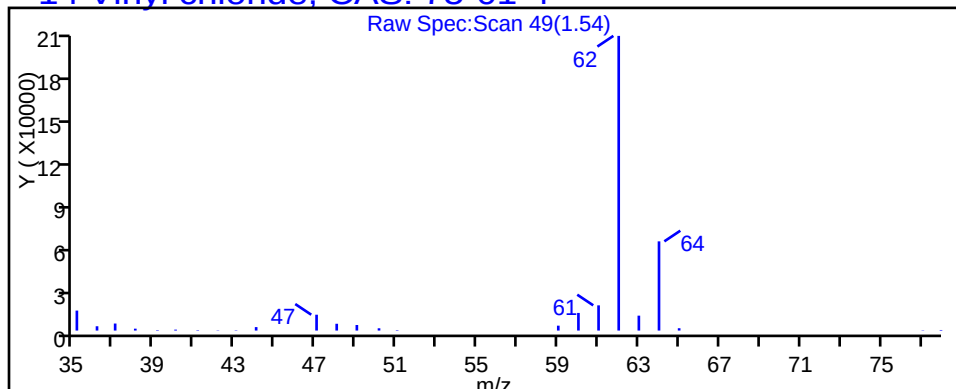
Dil. Factor: 25.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-8R</u>	Lab Sample ID: <u>480-93630-13</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>T4022.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/06/2016 12:25</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/11/2016 18:49</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1000</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>282953</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1000	820
79-34-5	1,1,2,2-Tetrachloroethane	ND		1000	210
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	310
79-00-5	1,1,2-Trichloroethane	ND		1000	230
75-34-3	1,1-Dichloroethane	ND		1000	380
75-35-4	1,1-Dichloroethene	ND		1000	290
120-82-1	1,2,4-Trichlorobenzene	ND		1000	410
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1000	390
106-93-4	1,2-Dibromoethane	ND		1000	730
95-50-1	1,2-Dichlorobenzene	ND		1000	790
107-06-2	1,2-Dichloroethane	ND		1000	210
78-87-5	1,2-Dichloropropane	ND		1000	720
541-73-1	1,3-Dichlorobenzene	ND		1000	780
106-46-7	1,4-Dichlorobenzene	ND		1000	840
78-93-3	2-Butanone (MEK)	ND		10000	1300
591-78-6	2-Hexanone	ND		5000	1200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5000	2100
67-64-1	Acetone	ND		10000	3000
71-43-2	Benzene	ND		1000	410
75-27-4	Bromodichloromethane	ND		1000	390
75-25-2	Bromoform	ND		1000	260
74-83-9	Bromomethane	ND		1000	690
75-15-0	Carbon disulfide	ND		1000	190
56-23-5	Carbon tetrachloride	ND		1000	270
108-90-7	Chlorobenzene	ND		1000	750
75-00-3	Chloroethane	ND		1000	320
67-66-3	Chloroform	ND		1000	340
74-87-3	Chloromethane	ND		1000	350
156-59-2	cis-1,2-Dichloroethene	21000		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.: 480-93630-1
 SDG No.: _____
 Client Sample ID: MW-8R Lab Sample ID: 480-93630-13
 Matrix: Ground Water Lab File ID: T4022.D
 Analysis Method: 8260C Date Collected: 01/06/2016 12:25
 Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 18:49
 Soil Aliquot Vol: _____ Dilution Factor: 1000
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 282953 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	12000		1000	900
1330-20-7	Xylenes, Total	ND		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		66-137
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
2037-26-5	Toluene-d8 (Surr)	104		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4022.D
 Lims ID: 480-93630-A-13 Lab Sample ID: 480-93630-13
 Client ID: MW-8R
 Sample Type: Client
 Inject. Date: 11-Jan-2016 18:49:30 ALS Bottle#: 72 Worklist Smp#: 21
 Purge Vol: 5.000 mL Dil. Factor: 1000.0000
 Sample Info: 480-93630-A-13
 Misc. Info.: 480-0049838-021
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 17:03:43 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: fortaing

Date: 11-Jan-2016 19:10:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.996	4.985	0.011	99	94116	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	413730	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.162	-0.001	97	229304	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.757	0.000	0	145970	29.2	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	483397	26.0	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	96	180522	25.8	
11 Dichlorodifluoromethane	85		1.306				ND	
13 Chloromethane	50		1.420				ND	
14 Vinyl chloride	62	1.545	1.545	0.000	99	84856	12.1	
15 Bromomethane	94		1.824				ND	
16 Chloroethane	64		1.907				ND	
17 Trichlorofluoromethane	101		2.187				ND	
22 1,1-Dichloroethene	96		2.633				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643				ND	
23 Acetone	43		2.726				ND	
25 Carbon disulfide	76		2.819				ND	
28 Methyl acetate	43		3.006				ND	
30 Methylene Chloride	84		3.099				ND	
32 trans-1,2-Dichloroethene	96		3.306				ND	
33 Methyl tert-butyl ether	73		3.306				ND	
36 1,1-Dichloroethane	63		3.669				ND	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	80	138246	20.7	
44 2-Butanone (MEK)	43		4.156				ND	
50 Chloroform	83		4.384				ND	
51 1,1,1-Trichloroethane	97		4.498				ND	
52 Cyclohexane	56		4.519				ND	
53 Carbon tetrachloride	117		4.612				ND	
55 Benzene	78		4.778				ND	
57 1,2-Dichloroethane	62		4.819				ND	
60 Trichloroethene	95	5.265	5.265	0.000	87	946	0.1561	
62 Methylcyclohexane	83		5.379				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		5.441				ND	
67 Dichlorobromomethane	83		5.669				ND	
71 cis-1,3-Dichloropropene	75		5.990				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094				ND	
73 Toluene	92		6.218				ND	
75 trans-1,3-Dichloropropene	75		6.415				ND	
78 1,1,2-Trichloroethane	83		6.560				ND	
79 Tetrachloroethene	166		6.633				ND	
81 2-Hexanone	43		6.726				ND	
82 Chlorodibromomethane	129		6.871				ND	
83 Ethylene Dibromide	107		6.954				ND	
86 Chlorobenzene	112		7.317				ND	
88 Ethylbenzene	91		7.379				ND	
90 m-Xylene & p-Xylene	106		7.472				ND	
91 o-Xylene	106		7.794				ND	
92 Styrene	104		7.804				ND	
93 Bromoform	173		7.990				ND	
95 Isopropylbenzene	105		8.073				ND	
98 1,1,2,2-Tetrachloroethane	83		8.364				ND	
110 1,3-Dichlorobenzene	146		9.110				ND	
113 1,4-Dichlorobenzene	146		9.182				ND	
116 1,2-Dichlorobenzene	146		9.493				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156				ND	
119 1,2,4-Trichlorobenzene	180		10.820				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4022.D

Injection Date: 11-Jan-2016 18:49:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-93630-A-13

Lab Sample ID: 480-93630-13

Worklist Smp#: 21

Client ID: MW-8R

Purge Vol: 5.000 mL

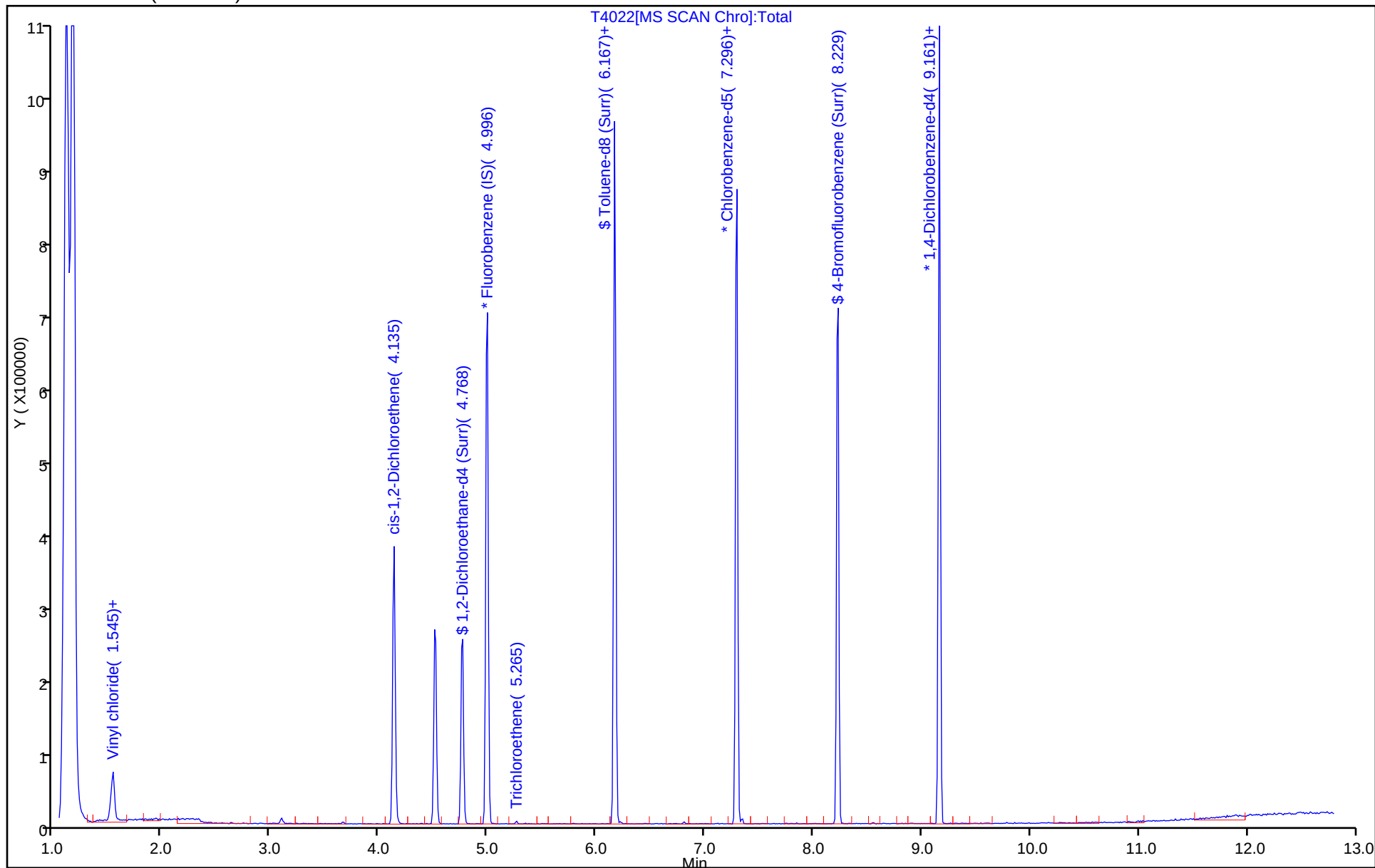
Dil. Factor: 1000.0000

ALS Bottle#: 72

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4022.D

Injection Date: 11-Jan-2016 18:49:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-13

Lab Sample ID: 480-93630-13

Client ID: MW-8R

Operator ID: gtg

ALS Bottle#: 72

Worklist Smp#: 21

Purge Vol: 5.000 mL

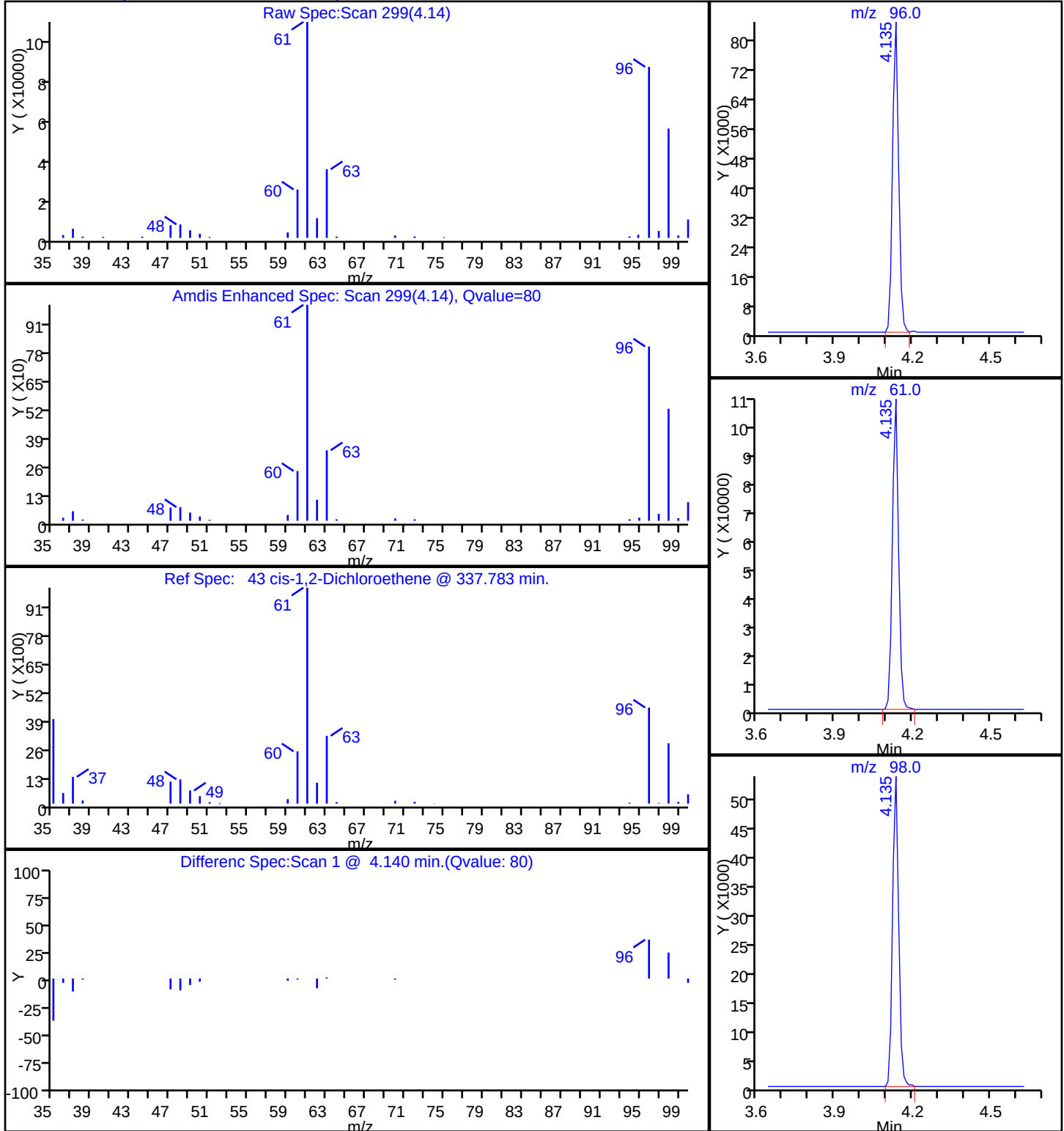
Dil. Factor: 1000.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4022.D

Injection Date: 11-Jan-2016 18:49:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-13

Lab Sample ID: 480-93630-13

Client ID: MW-8R

Operator ID: gtg

ALS Bottle#: 72

Worklist Smp#: 21

Purge Vol: 5.000 mL

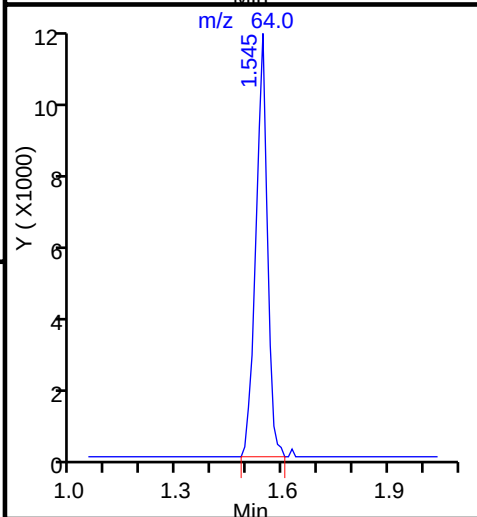
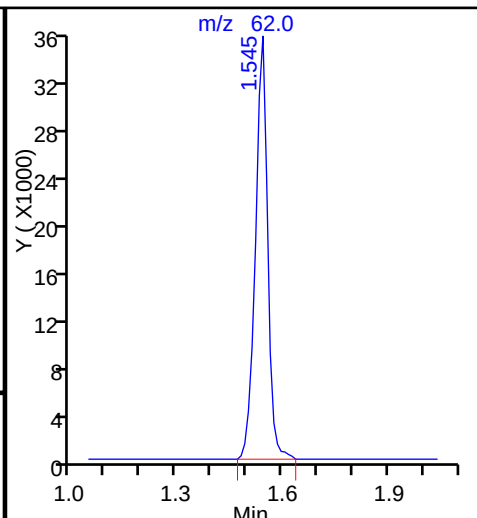
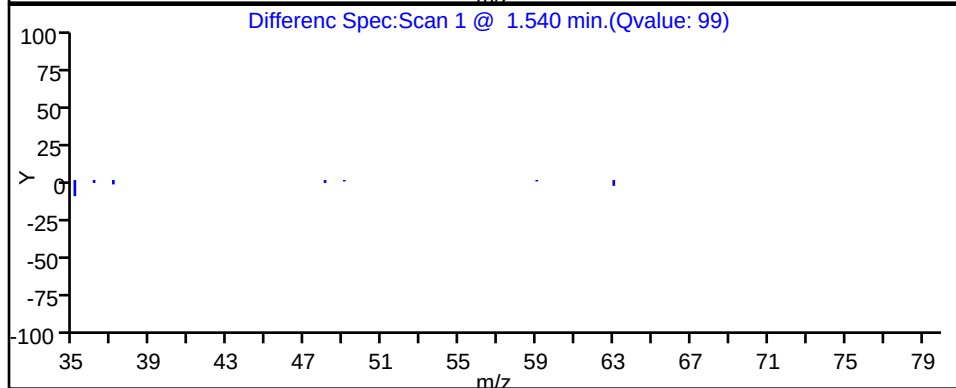
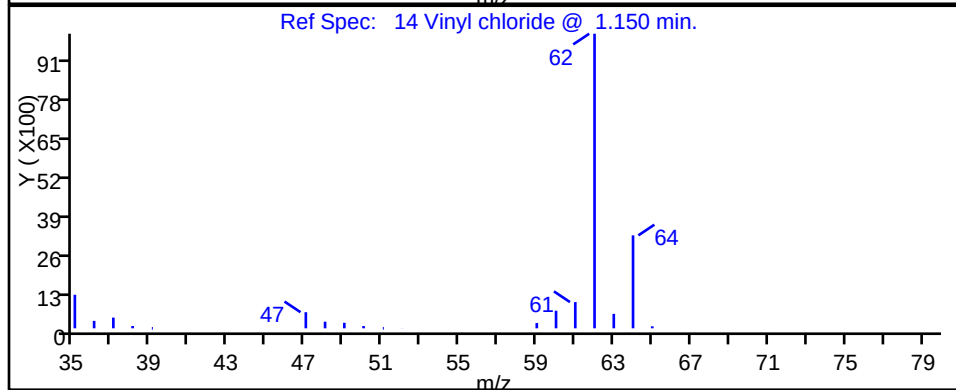
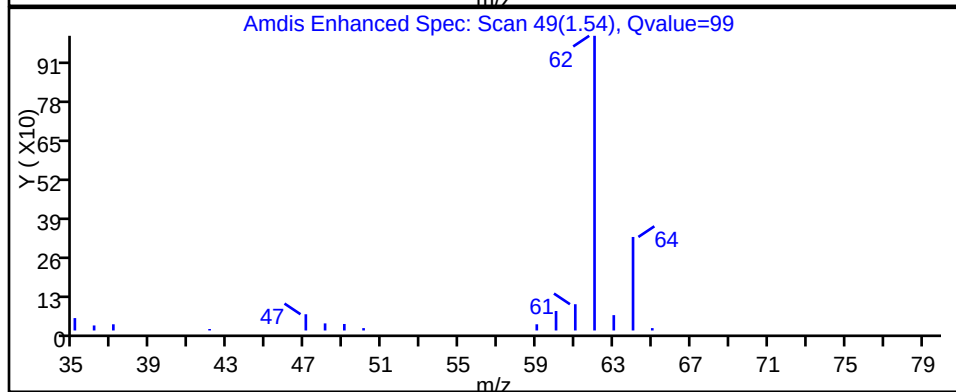
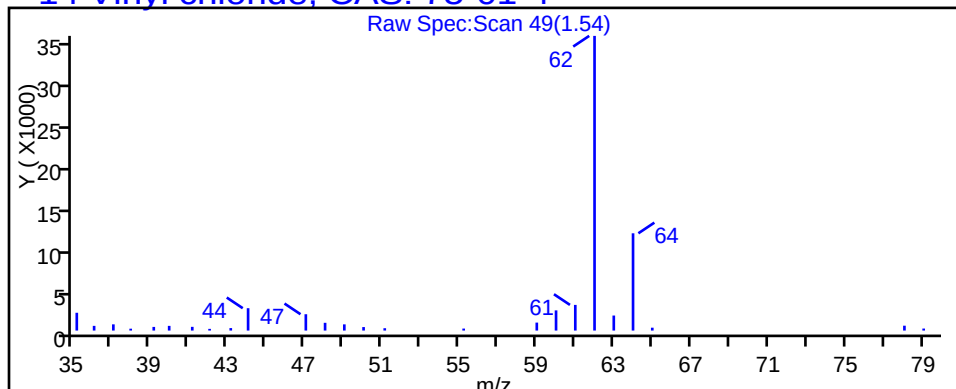
Dil. Factor: 1000.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-13D</u>	Lab Sample ID: <u>480-93630-14</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>C60674.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/06/2016 13:45</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/13/2016 03:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (30)</u> ID: <u>0.53 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>283295</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	12		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)	1100		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	230		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	38		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	15		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.: 480-93630-1
 SDG No.: _____
 Client Sample ID: MW-13D Lab Sample ID: 480-93630-14
 Matrix: Ground Water Lab File ID: C60674.D
 Analysis Method: 8260C Date Collected: 01/06/2016 13:45
 Sample wt/vol: 5 (mL) Date Analyzed: 01/13/2016 03:13
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: ZB-624 (30) ID: 0.53 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 283295 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	47		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)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60674.D
 Lims ID: 480-93630-C-14 Lab Sample ID: 480-93630-14
 Client ID: MW-13D
 Sample Type: Client
 Inject. Date: 13-Jan-2016 03:13:30 ALS Bottle#: 60 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-93630-C-14
 Misc. Info.: 480-0049899-015
 Operator ID: SO Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 13-Jan-2016 08:48:49 Calib Date: 11-Dec-2015 22:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK037

First Level Reviewer: goliszekg

Date: 13-Jan-2016 08:49:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	99	92025	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	86	204324	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.792	0.000	94	204574	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	76732	26.2	
\$ 5 Toluene-d8 (Surr)	98	10.591	10.590	0.001	93	430416	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	94	151431	25.5	
10 Dichlorodifluoromethane	85		4.436				ND	
12 Chloromethane	50		4.839				ND	
13 Vinyl chloride	62	5.088	5.076	0.012	97	41017	4.73	
14 Bromomethane	94		5.681				ND	
15 Chloroethane	64	5.823	5.823	0.000	98	20790	3.76	
17 Trichlorofluoromethane	101		6.155				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.748				ND	
22 1,1-Dichloroethene	96		6.819				ND	
23 Acetone	43	6.879	6.879	0.000	99	47940	22.6	
26 Carbon disulfide	76		7.140				ND	
27 Methyl acetate	43		7.163				ND	
30 Methylene Chloride	84		7.341				ND	
32 Methyl tert-butyl ether	73		7.495				ND	
34 trans-1,2-Dichloroethene	96		7.567				ND	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	94	16441	1.16	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	353554	109.6	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	81	12333	1.52	
50 Chloroform	83		8.705				ND	
51 1,1,1-Trichloroethane	97		8.871				ND	
52 Cyclohexane	56		8.907				ND	
55 Carbon tetrachloride	117		9.001				ND	
57 Benzene	78		9.179				ND	
58 1,2-Dichloroethane	62		9.203				ND	
62 Trichloroethene	95		9.654				ND	
64 Methylcyclohexane	83		9.796				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63		9.867				ND	
68 Dichlorobromomethane	83		10.069				ND	
72 cis-1,3-Dichloropropene	75		10.377				ND	
73 4-Methyl-2-pentanone (MIBK)	43		10.413				ND	
74 Toluene	92		10.650				ND	
77 trans-1,3-Dichloropropene	75		10.792				ND	
79 1,1,2-Trichloroethane	83		10.970				ND	
80 2-Hexanone	43		11.053				ND	
81 Tetrachloroethene	166		11.088				ND	
83 Chlorodibromomethane	129		11.338				ND	
84 Ethylene Dibromide	107		11.480				ND	
87 Chlorobenzene	112		11.800				ND	
88 Ethylbenzene	91		11.812				ND	
90 m-Xylene & p-Xylene	106		11.883				ND	
91 o-Xylene	106		12.239				ND	
92 Styrene	104		12.251				ND	
94 Isopropylbenzene	105		12.500				ND	
95 Bromoform	173		12.523				ND	
97 1,1,2,2-Tetrachloroethane	83		12.796				ND	
111 1,3-Dichlorobenzene	146		13.733				ND	
113 1,4-Dichlorobenzene	146		13.816				ND	
116 1,2-Dichlorobenzene	146		14.231				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.120				ND	
119 1,2,4-Trichlorobenzene	180		16.140				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

C_8260_IS_00066

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00069

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60674.D

Injection Date: 13-Jan-2016 03:13:30

Instrument ID: HP5973C

Operator ID: SO

Lims ID: 480-93630-C-14

Lab Sample ID: 480-93630-14

Worklist Smp#: 15

Client ID: MW-13D

Purge Vol: 5.000 mL

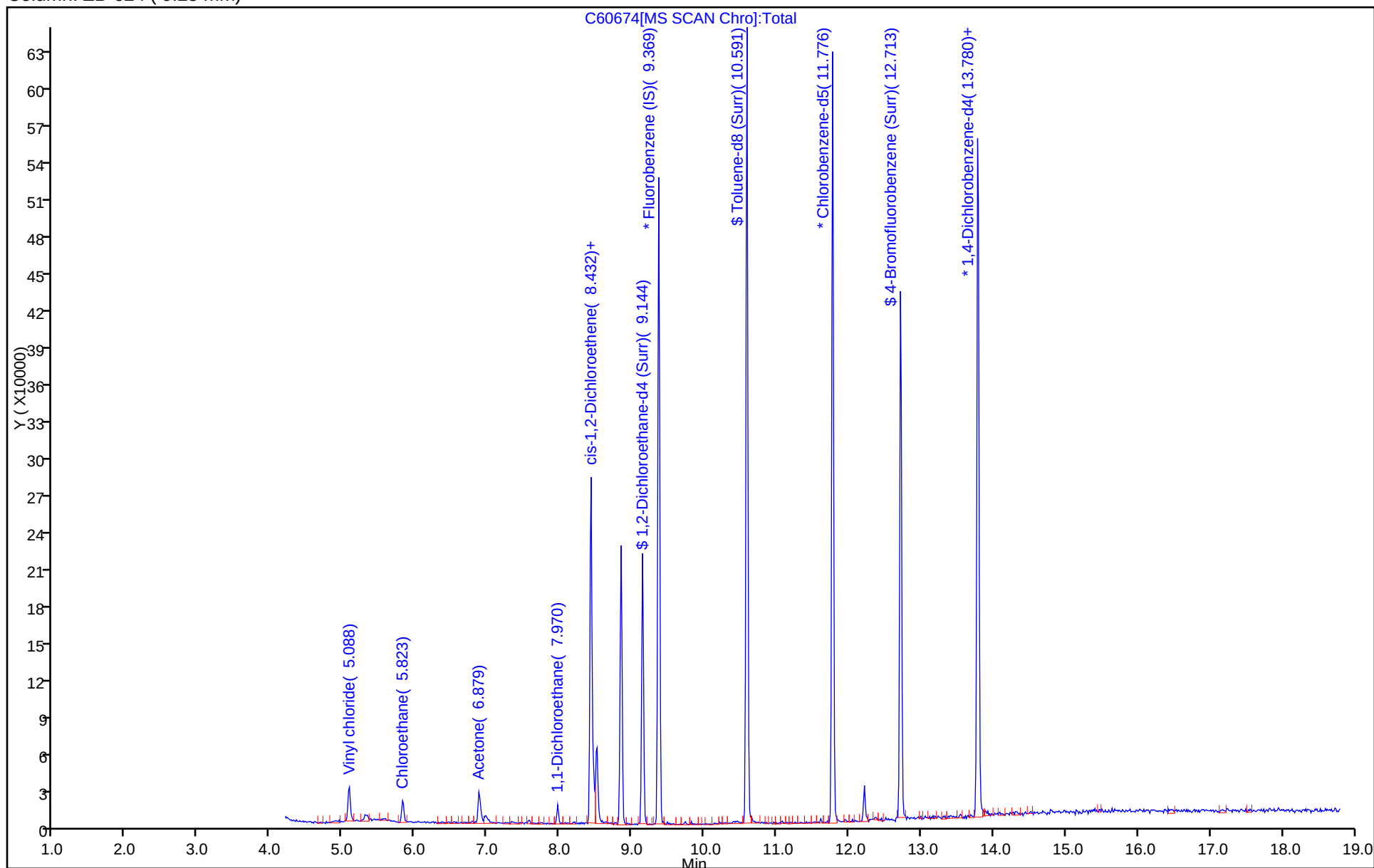
Dil. Factor: 10.0000

ALS Bottle#: 60

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60674.D

Injection Date: 13-Jan-2016 03:13:30

Instrument ID: HP5973C

Lims ID: 480-93630-C-14

Lab Sample ID: 480-93630-14

Client ID: MW-13D

Operator ID: SO

ALS Bottle#: 60

Worklist Smp#: 15

Purge Vol: 5.000 mL

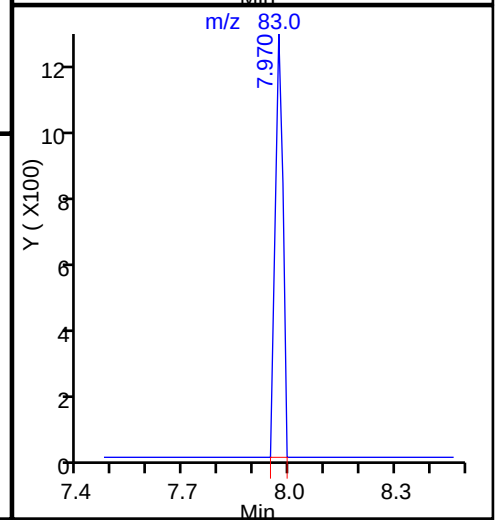
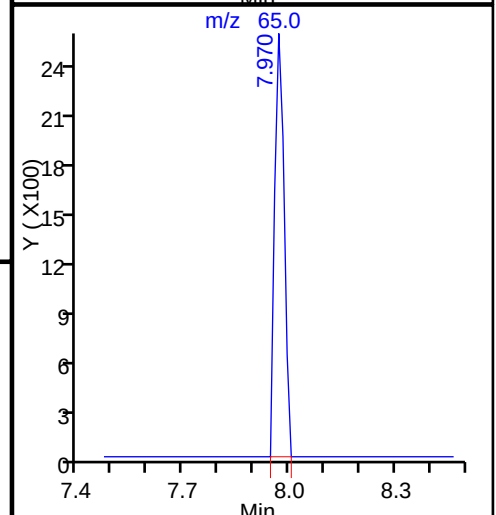
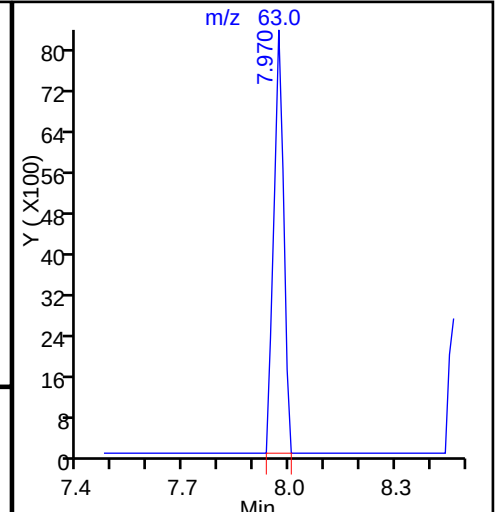
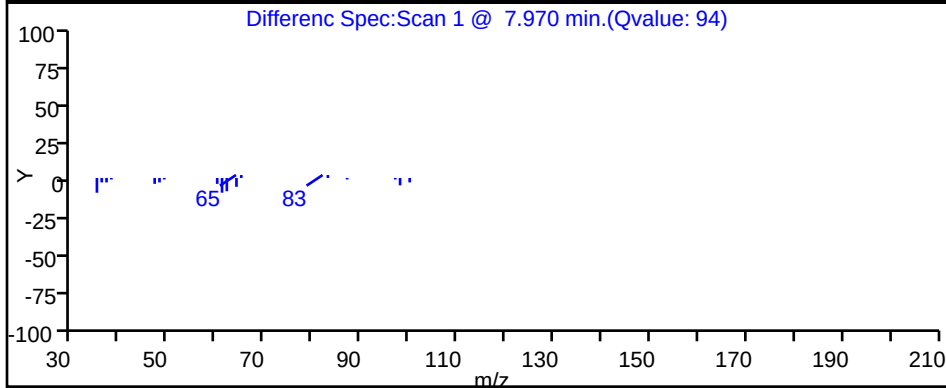
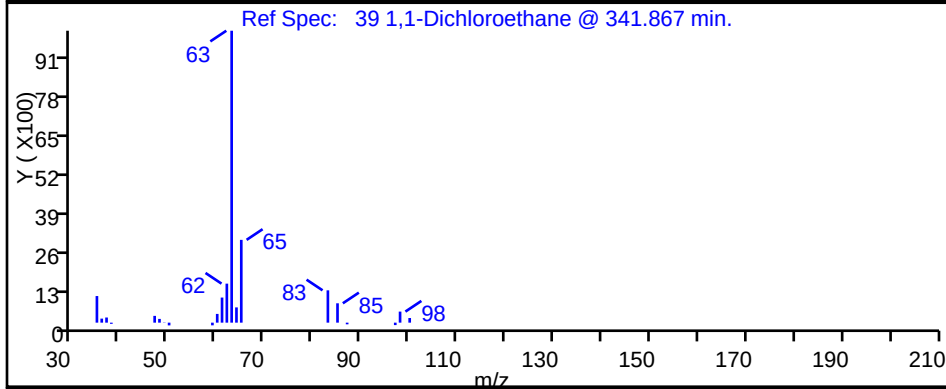
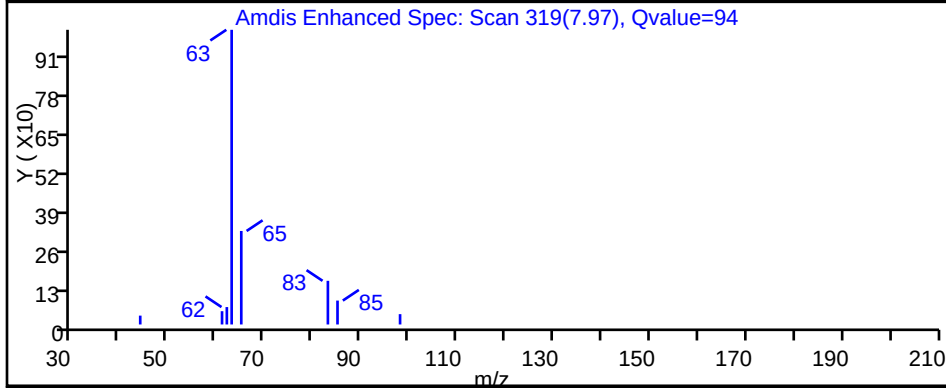
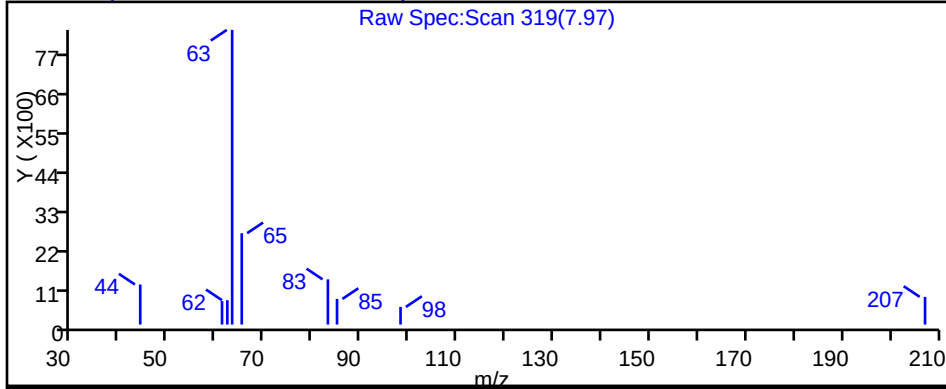
Dil. Factor: 10.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

39 1,1-Dichloroethane, CAS: 75-34-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60674.D

Injection Date: 13-Jan-2016 03:13:30

Instrument ID: HP5973C

Lims ID: 480-93630-C-14

Lab Sample ID: 480-93630-14

Client ID: MW-13D

Operator ID: SO

ALS Bottle#: 60

Worklist Smp#: 15

Purge Vol: 5.000 mL

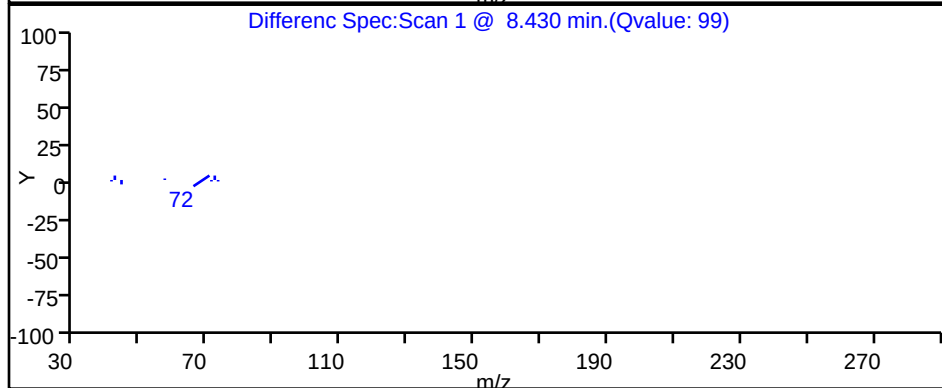
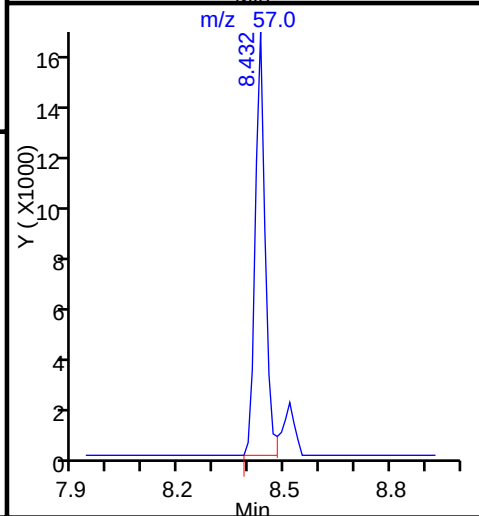
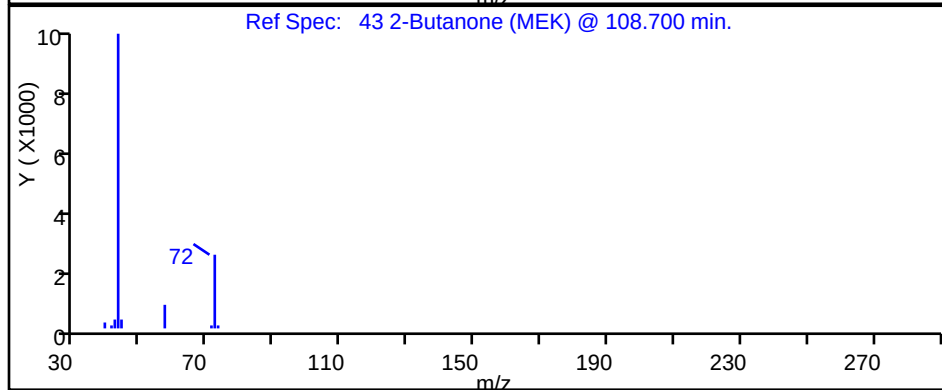
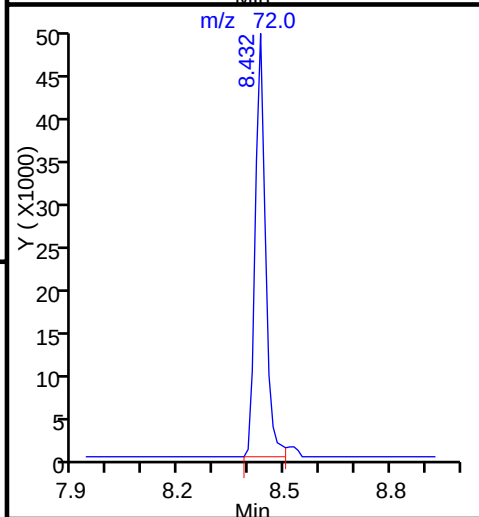
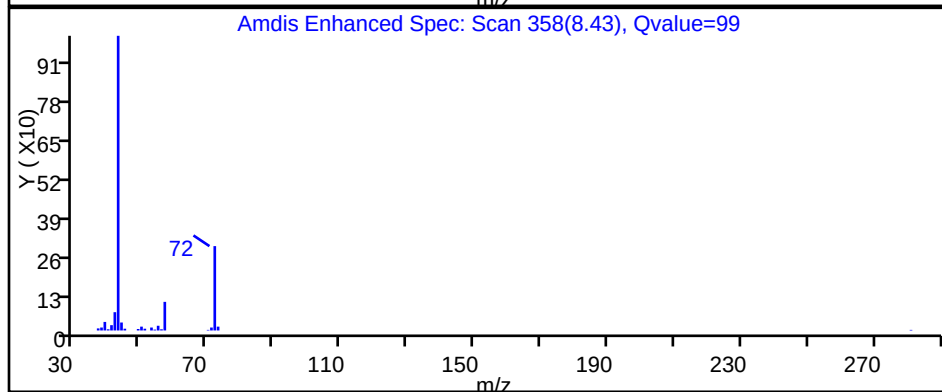
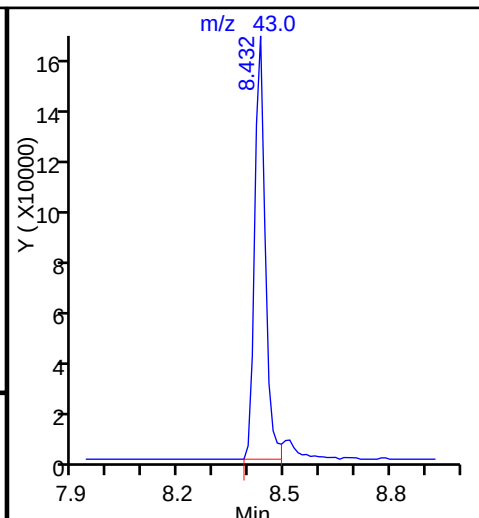
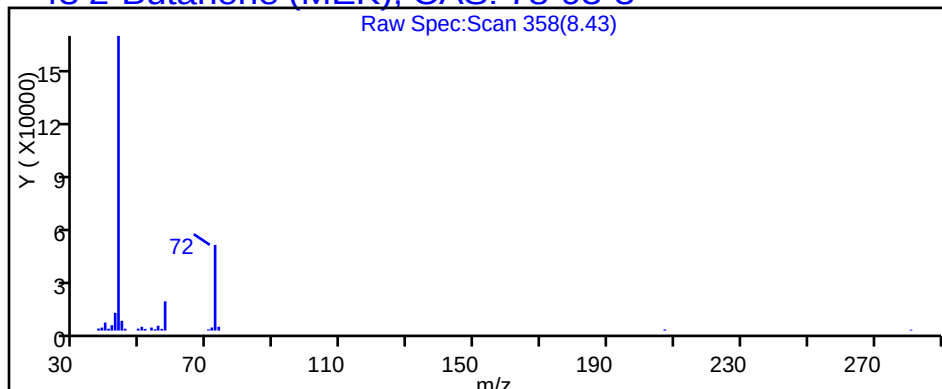
Dil. Factor: 10.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60674.D

Injection Date: 13-Jan-2016 03:13:30

Instrument ID: HP5973C

Lims ID: 480-93630-C-14

Lab Sample ID: 480-93630-14

Client ID: MW-13D

Operator ID: SO

ALS Bottle#: 60

Worklist Smp#: 15

Purge Vol: 5.000 mL

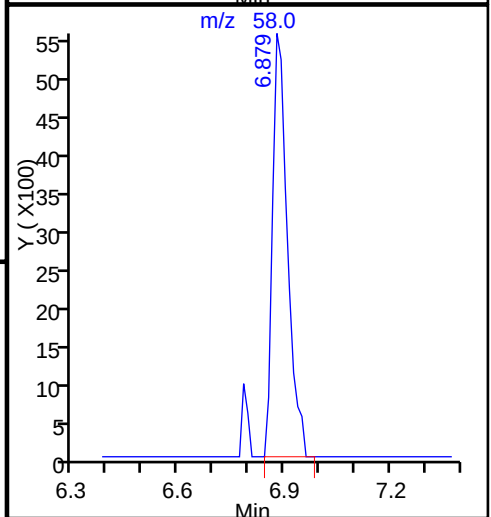
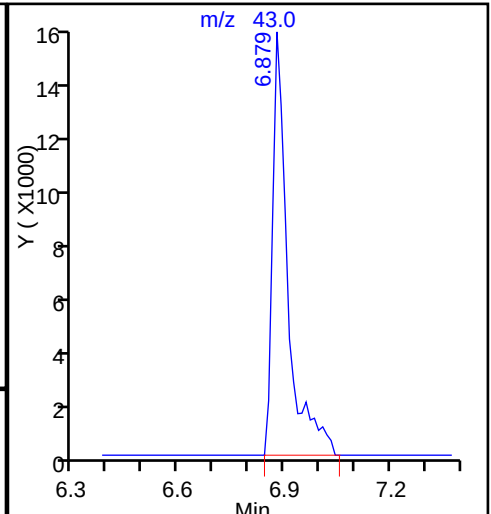
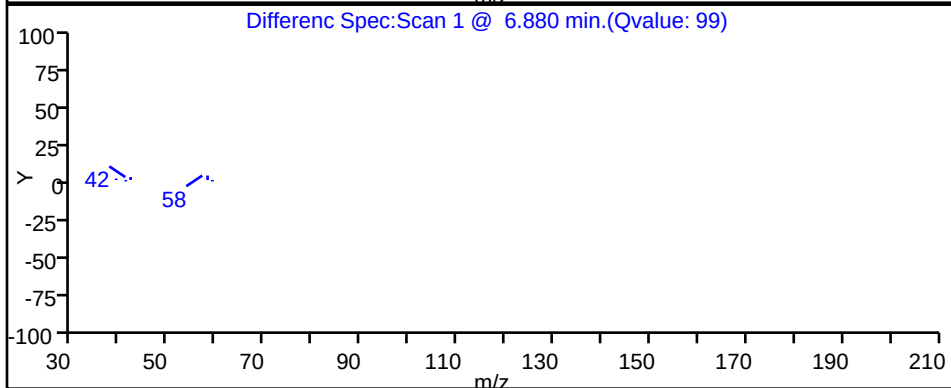
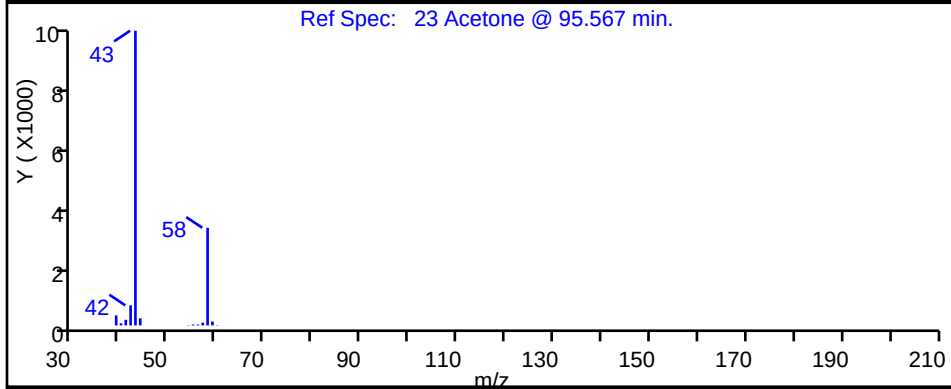
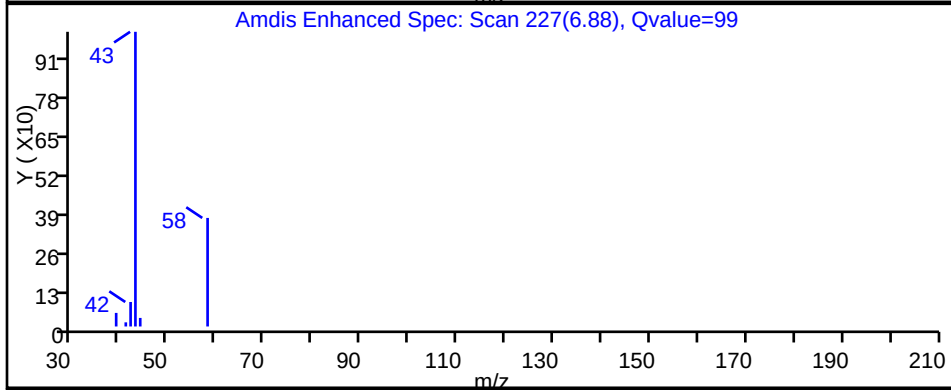
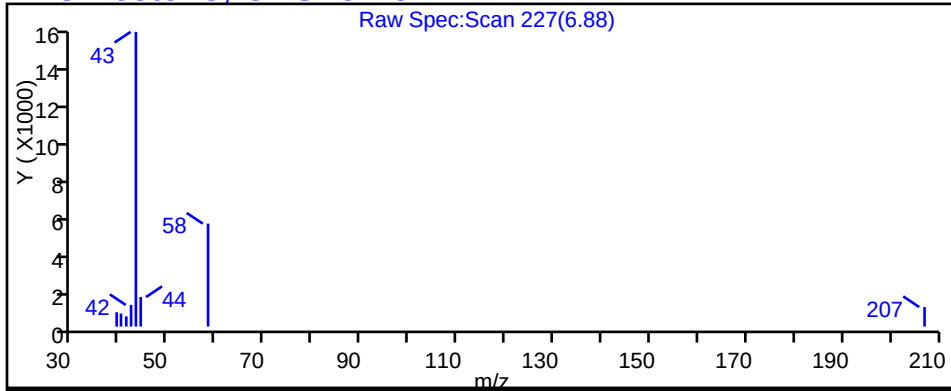
Dil. Factor: 10.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60674.D

Injection Date: 13-Jan-2016 03:13:30

Instrument ID: HP5973C

Lims ID: 480-93630-C-14

Lab Sample ID: 480-93630-14

Client ID: MW-13D

Operator ID: SO

ALS Bottle#: 60

Worklist Smp#: 15

Purge Vol: 5.000 mL

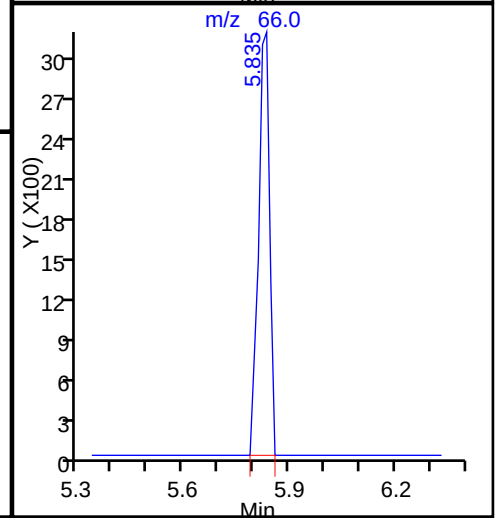
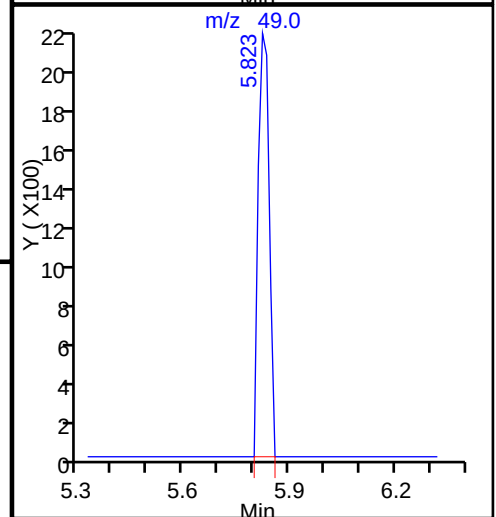
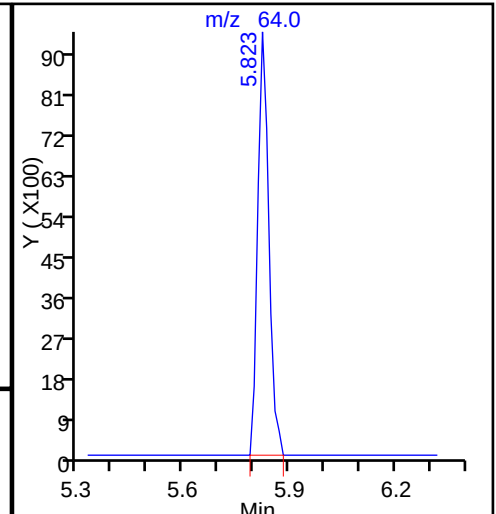
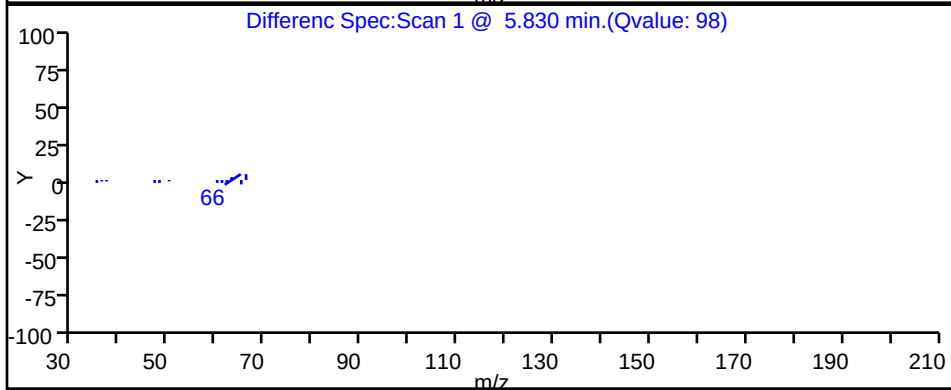
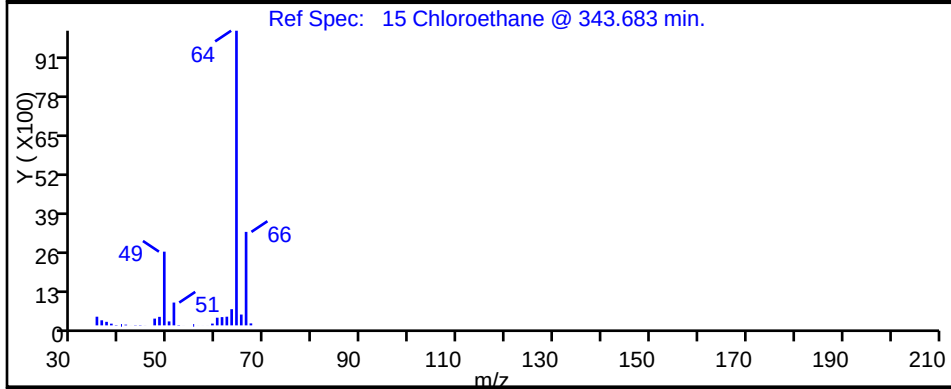
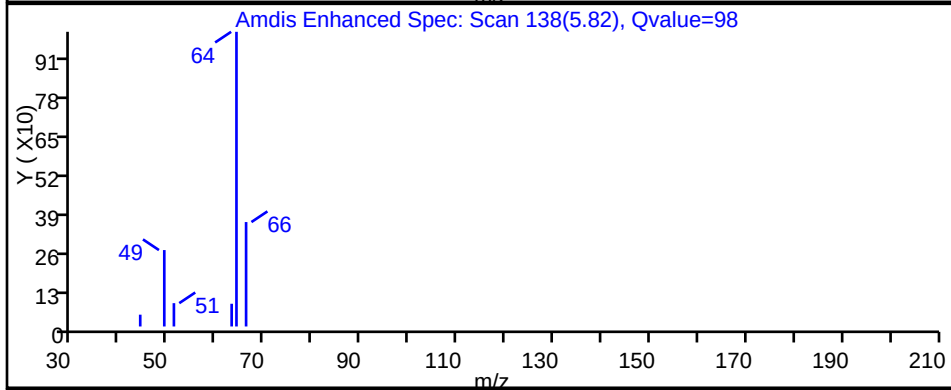
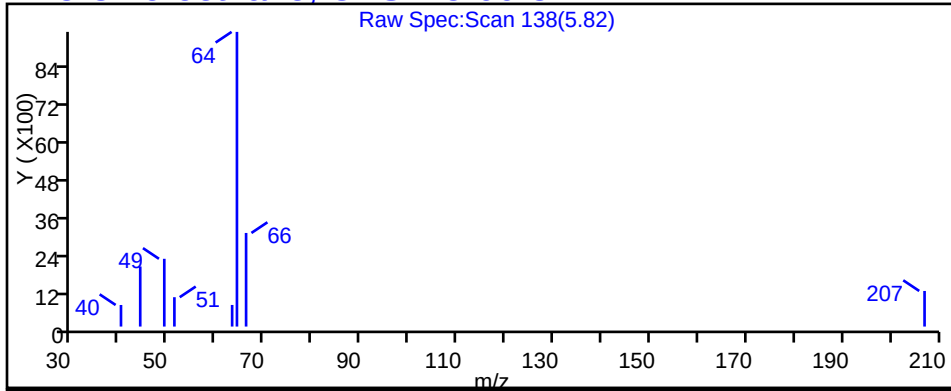
Dil. Factor: 10.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60674.D

Injection Date: 13-Jan-2016 03:13:30

Instrument ID: HP5973C

Lims ID: 480-93630-C-14

Lab Sample ID: 480-93630-14

Client ID: MW-13D

Operator ID: SO

ALS Bottle#: 60

Worklist Smp#: 15

Purge Vol: 5.000 mL

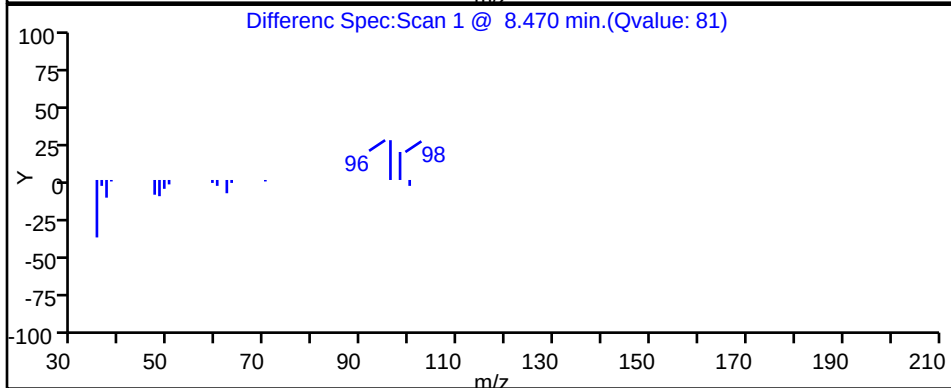
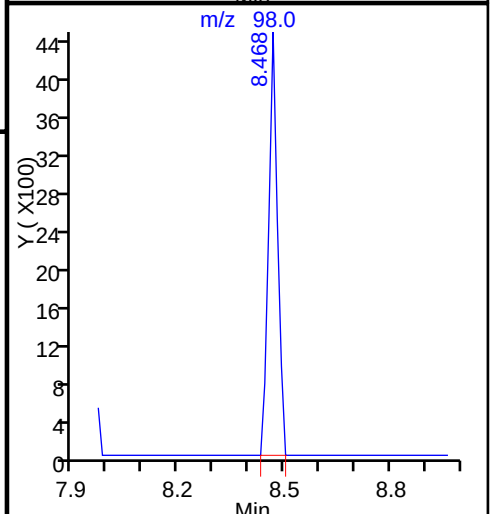
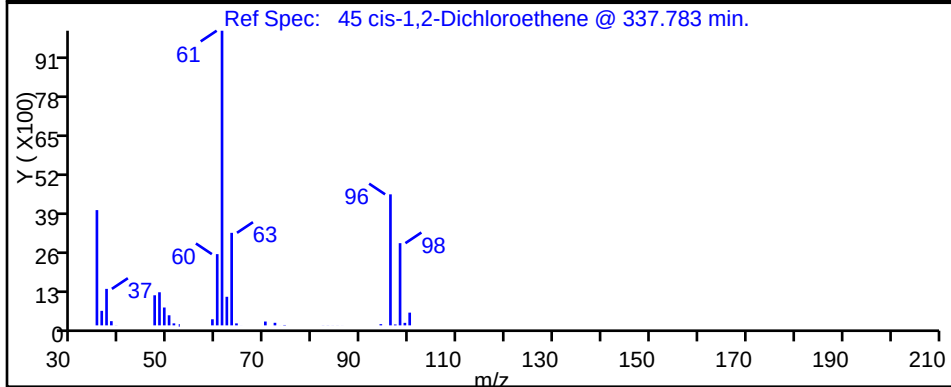
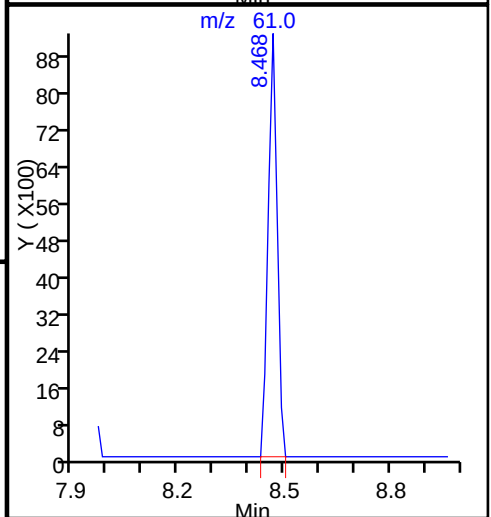
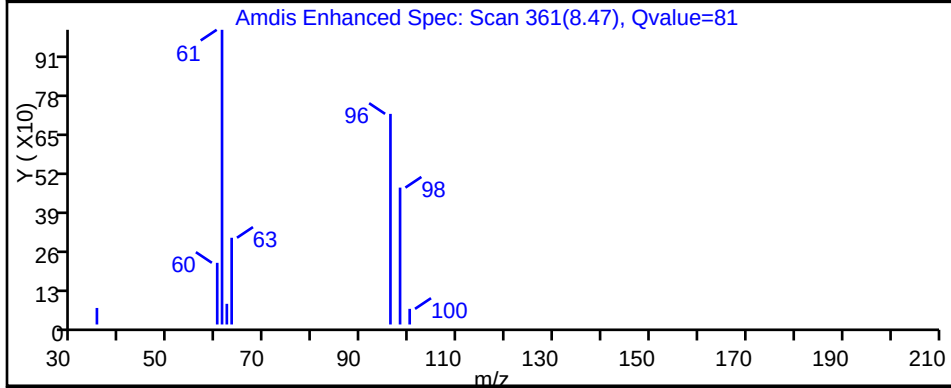
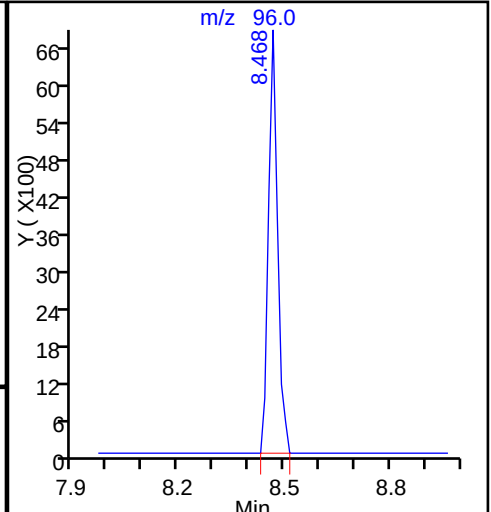
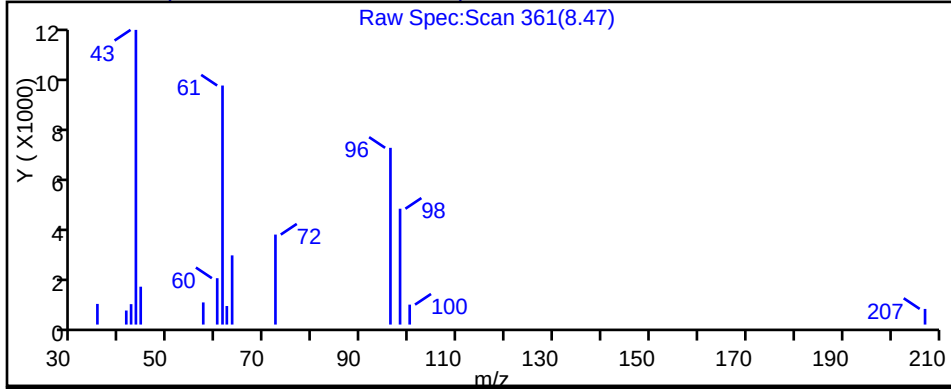
Dil. Factor: 10.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60674.D

Injection Date: 13-Jan-2016 03:13:30

Instrument ID: HP5973C

Lims ID: 480-93630-C-14

Lab Sample ID: 480-93630-14

Client ID: MW-13D

Operator ID: SO

ALS Bottle#: 60

Worklist Smp#: 15

Purge Vol: 5.000 mL

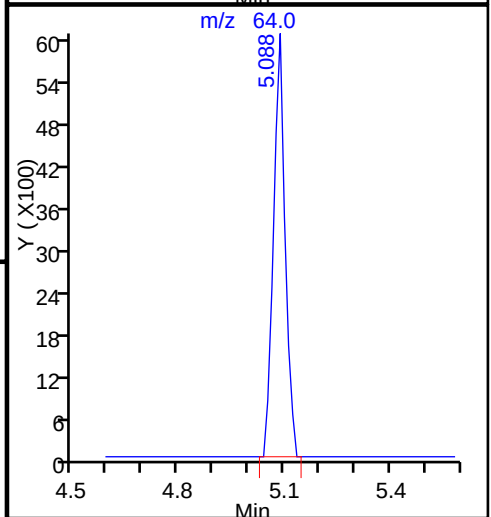
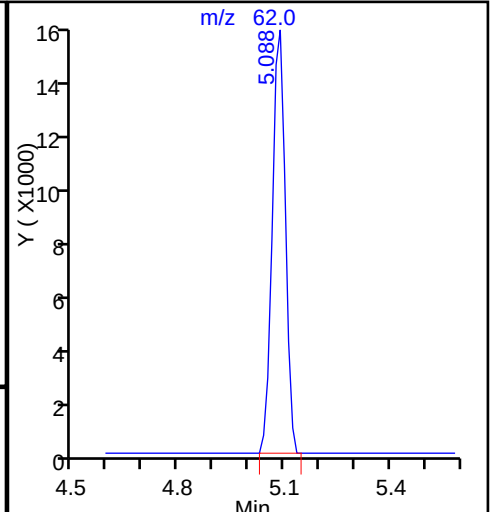
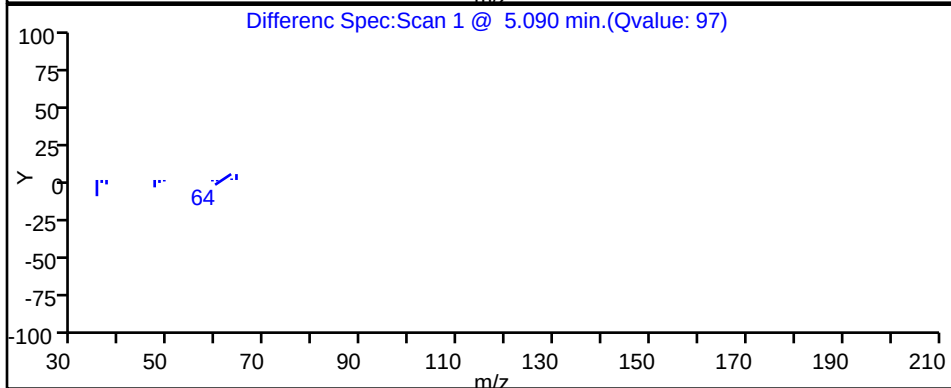
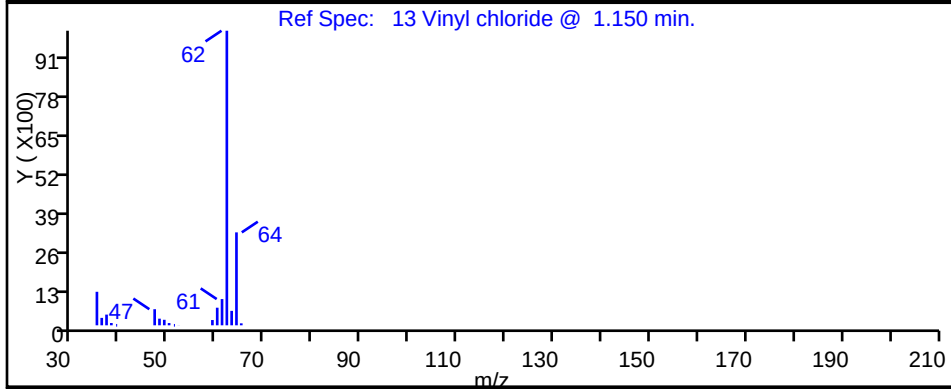
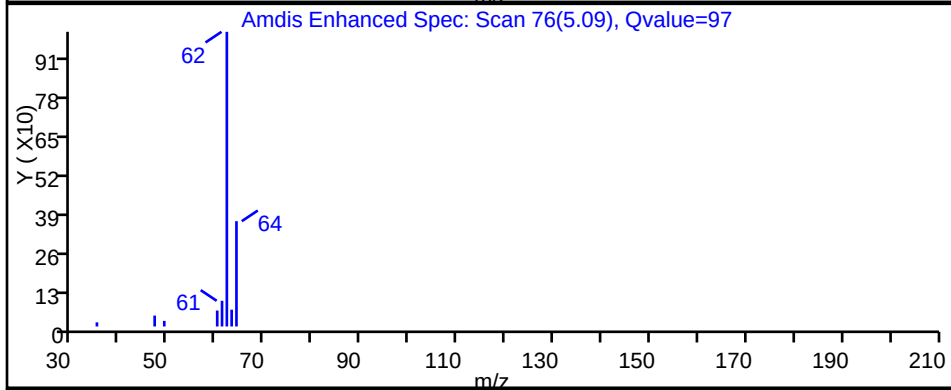
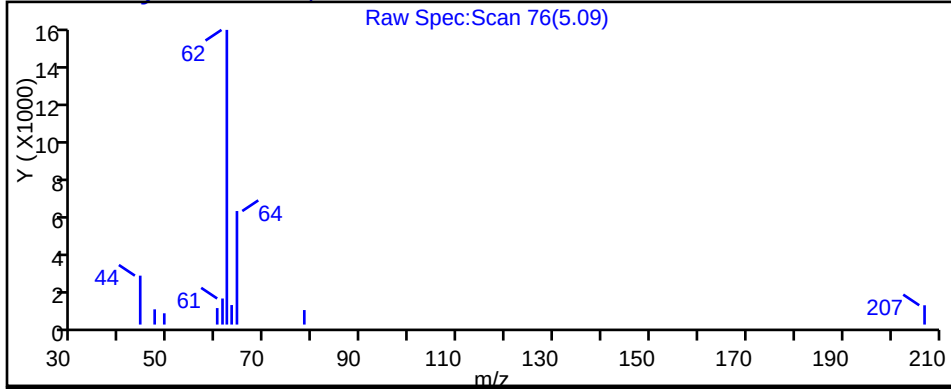
Dil. Factor: 10.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

13 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>GWTC</u>	Lab Sample ID: <u>480-93630-15</u>
Matrix: <u>Water</u>	Lab File ID: <u>T4024.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/06/2016 09:40</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/11/2016 19:36</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>282953</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	62		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.: 480-93630-1
 SDG No.: _____
 Client Sample ID: GWTC Lab Sample ID: 480-93630-15
 Matrix: Water Lab File ID: T4024.D
 Analysis Method: 8260C Date Collected: 01/06/2016 09:40
 Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 19:36
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 282953 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	0.99	J	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	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)	116		66-137
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	104		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4024.D
 Lims ID: 480-93630-A-15 Lab Sample ID: 480-93630-15
 Client ID: GWTC
 Sample Type: Client
 Inject. Date: 11-Jan-2016 19:36:30 ALS Bottle#: 74 Worklist Smp#: 23
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-93630-A-15
 Misc. Info.: 480-0049838-023
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 17:50:48 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: fortaing

Date: 11-Jan-2016 20:12:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.985	4.985	0.000	99	98559	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	418448	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.162	9.162	0.000	95	231322	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.757	0.000	0	151302	28.9	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	486904	25.9	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	96	180704	25.5	
11 Dichlorodifluoromethane	85		1.306				ND	
13 Chloromethane	50		1.420				ND	
14 Vinyl chloride	62	1.534	1.545	-0.011	96	2093	0.2839	
15 Bromomethane	94		1.824				ND	
16 Chloroethane	64	1.907	1.907	0.000	99	172922	61.8	
17 Trichlorofluoromethane	101		2.187				ND	
22 1,1-Dichloroethene	96		2.633				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643				ND	
23 Acetone	43	2.726	2.726	0.000	34	1770	1.32	
25 Carbon disulfide	76		2.819				ND	
28 Methyl acetate	43		3.006				ND	
30 Methylene Chloride	84		3.099				ND	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	93	1425	0.2243	
33 Methyl tert-butyl ether	73		3.306				ND	
36 1,1-Dichloroethane	63		3.669				ND	
43 cis-1,2-Dichloroethene	96	4.125	4.135	-0.010	77	1347	0.1924	
44 2-Butanone (MEK)	43		4.156				ND	
50 Chloroform	83		4.384				ND	
51 1,1,1-Trichloroethane	97		4.498				ND	
52 Cyclohexane	56		4.519				ND	
53 Carbon tetrachloride	117		4.612				ND	
55 Benzene	78		4.778				ND	
57 1,2-Dichloroethane	62		4.819				ND	
60 Trichloroethene	95		5.265				ND	
62 Methylcyclohexane	83		5.379				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		5.441				ND	
67 Dichlorobromomethane	83		5.669				ND	
71 cis-1,3-Dichloropropene	75		5.990				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094				ND	
73 Toluene	92	6.218	6.218	0.000	98	16276	0.9889	
75 trans-1,3-Dichloropropene	75		6.415				ND	
78 1,1,2-Trichloroethane	83		6.560				ND	
79 Tetrachloroethene	166		6.633				ND	
81 2-Hexanone	43		6.726				ND	
82 Chlorodibromomethane	129		6.871				ND	
83 Ethylene Dibromide	107		6.954				ND	
86 Chlorobenzene	112		7.317				ND	
88 Ethylbenzene	91	7.379	7.379	0.000	96	5144	0.1661	
90 m-Xylene & p-Xylene	106	7.472	7.472	0.000	0	4636	0.3689	
91 o-Xylene	106	7.794	7.794	0.000	92	2944	0.2351	
92 Styrene	104		7.804				ND	
93 Bromoform	173		7.990				ND	
95 Isopropylbenzene	105		8.073				ND	
98 1,1,2,2-Tetrachloroethane	83		8.364				ND	
110 1,3-Dichlorobenzene	146		9.110				ND	
113 1,4-Dichlorobenzene	146		9.182				ND	
116 1,2-Dichlorobenzene	146		9.493				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156				ND	
119 1,2,4-Trichlorobenzene	180		10.820				ND	
S 126 Xylenes, Total	1				0		0.6040	

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4024.D

Injection Date: 11-Jan-2016 19:36:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-93630-A-15

Lab Sample ID: 480-93630-15

Worklist Smp#: 23

Client ID: GWTC

Purge Vol: 5.000 mL

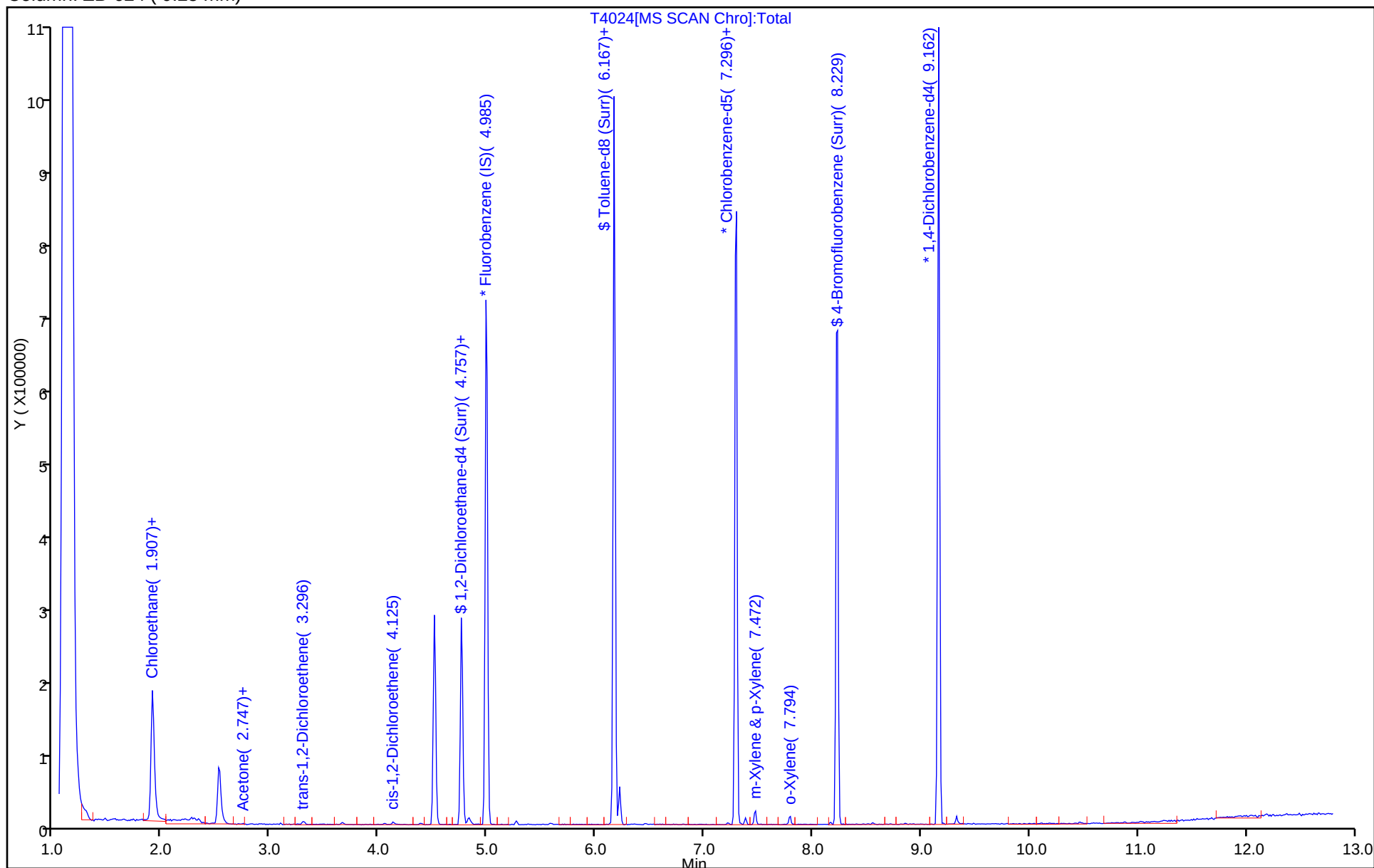
Dil. Factor: 1.0000

ALS Bottle#: 74

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4024.D

Injection Date: 11-Jan-2016 19:36:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-15

Lab Sample ID: 480-93630-15

Client ID: GWTC

Operator ID: gtg

ALS Bottle#: 74

Worklist Smp#: 23

Purge Vol: 5.000 mL

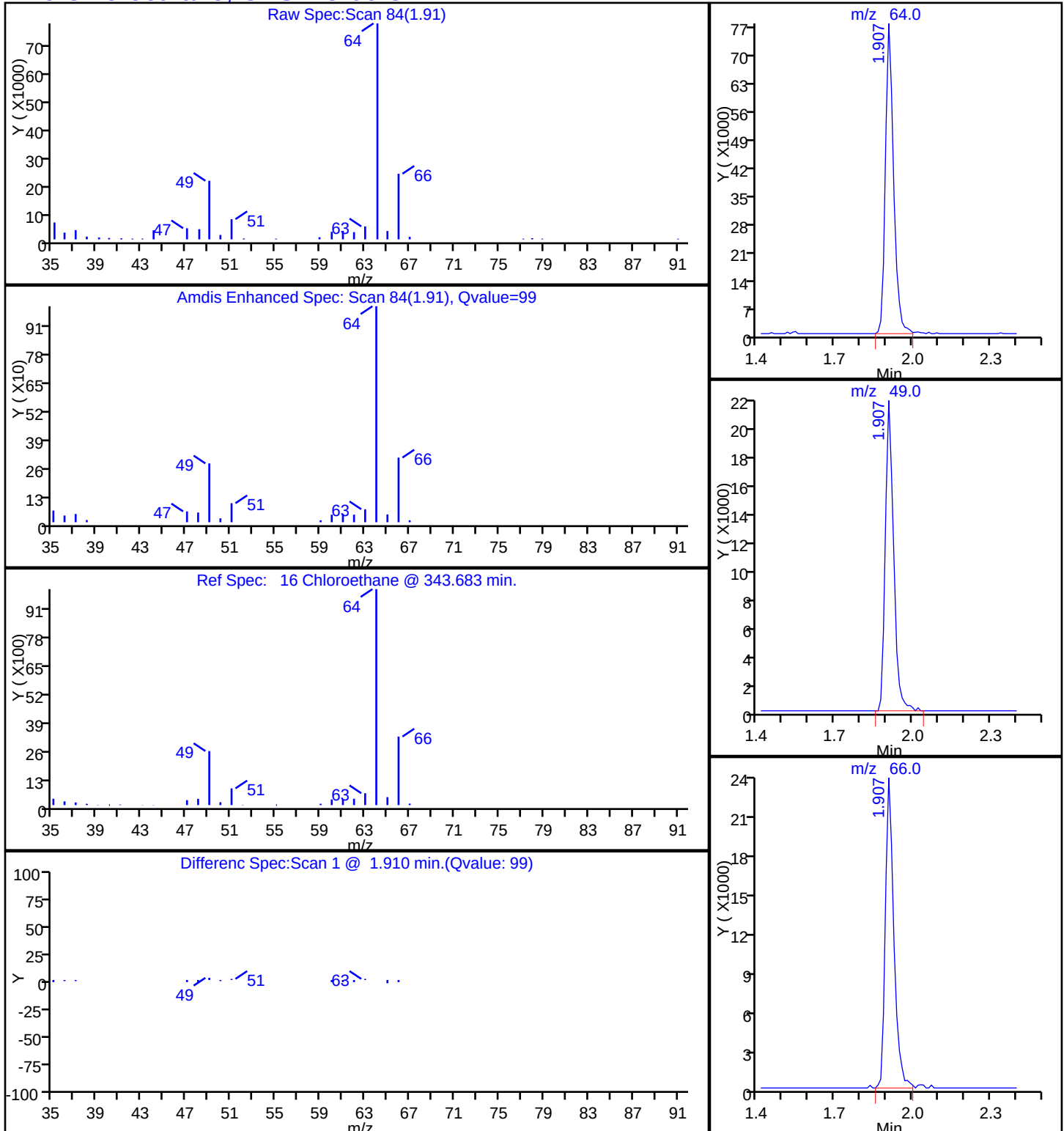
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4024.D

Injection Date: 11-Jan-2016 19:36:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-15

Lab Sample ID: 480-93630-15

Client ID: GWTC

Operator ID: gtg

ALS Bottle#: 74

Worklist Smp#: 23

Purge Vol: 5.000 mL

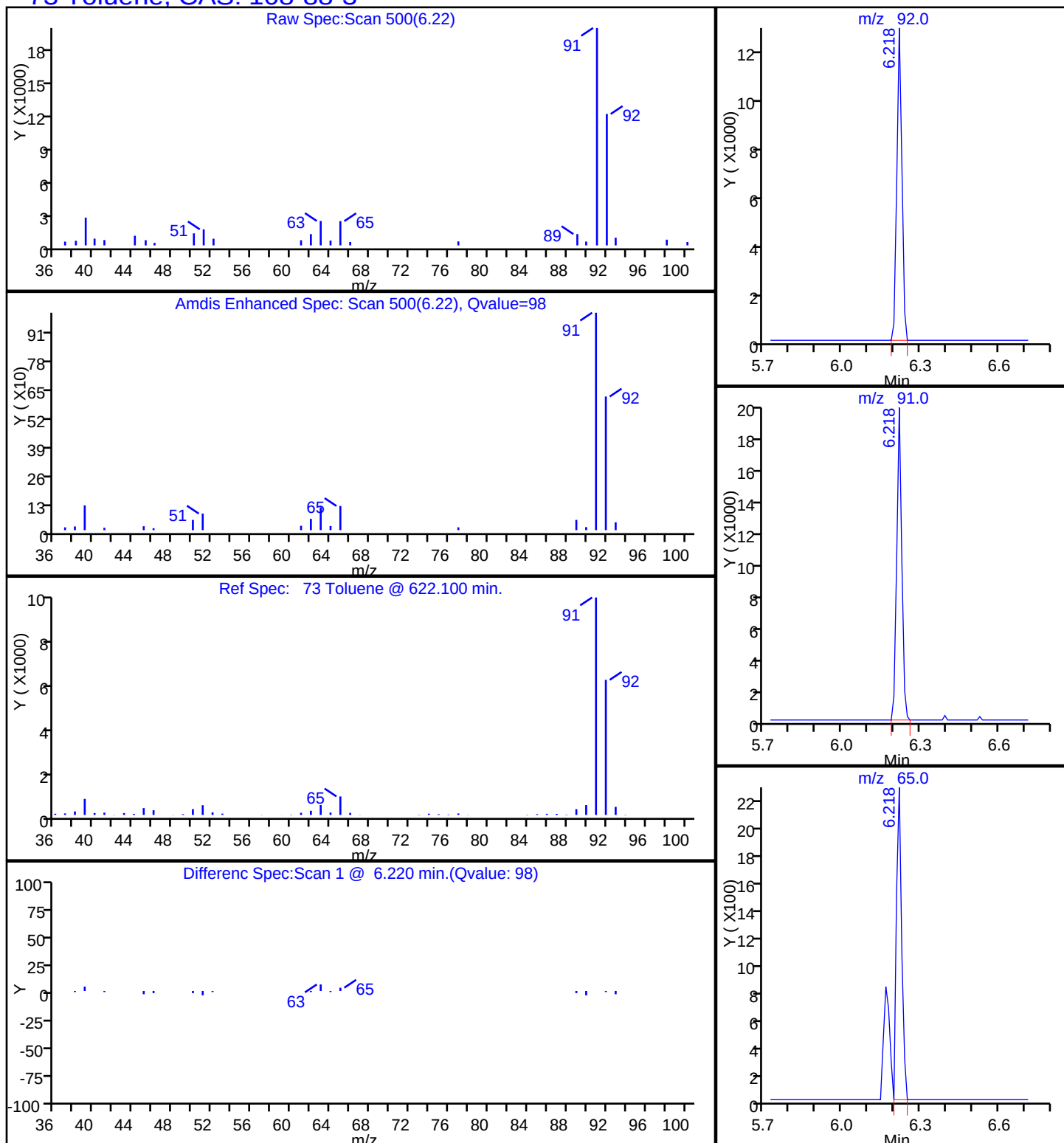
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

73 Toluene, CAS: 108-88-3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>Trip Blank</u>	Lab Sample ID: <u>480-93630-16</u>
Matrix: <u>Water</u>	Lab File ID: <u>T4009.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/05/2016 08:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/11/2016 13:38</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>282953</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.: 480-93630-1
 SDG No.: _____
 Client Sample ID: Trip Blank Lab Sample ID: 480-93630-16
 Matrix: Water Lab File ID: T4009.D
 Analysis Method: 8260C Date Collected: 01/05/2016 08:00
 Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 13:38
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 282953 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)	121		66-137
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
2037-26-5	Toluene-d8 (Surr)	106		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4009.D
 Lims ID: 480-93630-A-16 Lab Sample ID: 480-93630-16
 Client ID: Trip Blank
 Sample Type: Client
 Inject. Date: 11-Jan-2016 13:38:30 ALS Bottle#: 59 Worklist Smp#: 24
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-93630-A-16
 Misc. Info.: 480-0049838-024
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 17:55:26 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: fortaing

Date: 11-Jan-2016 17:55:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.985	4.985	0.000	99	97024	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	422471	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.162	9.162	0.000	95	229127	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.757	0.000	0	155361	30.2	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	504886	26.6	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	97	185774	26.0	
11 Dichlorodifluoromethane	85		1.306				ND	
13 Chloromethane	50		1.420				ND	
14 Vinyl chloride	62		1.545				ND	
15 Bromomethane	94		1.824				ND	
16 Chloroethane	64		1.907				ND	
17 Trichlorofluoromethane	101		2.187				ND	
22 1,1-Dichloroethene	96		2.633				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643				ND	
23 Acetone	43		2.726				ND	
25 Carbon disulfide	76		2.819				ND	
28 Methyl acetate	43		3.006				ND	
30 Methylene Chloride	84		3.099				ND	
33 Methyl tert-butyl ether	73		3.306				ND	
32 trans-1,2-Dichloroethene	96		3.306				ND	
36 1,1-Dichloroethane	63		3.669				ND	
43 cis-1,2-Dichloroethene	96		4.135				ND	
44 2-Butanone (MEK)	43		4.156				ND	
50 Chloroform	83		4.384				ND	
51 1,1,1-Trichloroethane	97		4.498				ND	
52 Cyclohexane	56		4.519				ND	
53 Carbon tetrachloride	117		4.612				ND	
55 Benzene	78		4.778				ND	
57 1,2-Dichloroethane	62		4.819				ND	
60 Trichloroethene	95		5.265				ND	
62 Methylcyclohexane	83		5.379				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		5.441				ND	
67 Dichlorobromomethane	83		5.669				ND	
71 cis-1,3-Dichloropropene	75		5.990				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094				ND	
73 Toluene	92		6.218				ND	
75 trans-1,3-Dichloropropene	75		6.415				ND	
78 1,1,2-Trichloroethane	83		6.560				ND	
79 Tetrachloroethene	166		6.633				ND	
81 2-Hexanone	43		6.726				ND	
82 Chlorodibromomethane	129		6.871				ND	
83 Ethylene Dibromide	107		6.954				ND	
86 Chlorobenzene	112		7.317				ND	
88 Ethylbenzene	91		7.379				ND	
90 m-Xylene & p-Xylene	106		7.472				ND	
91 o-Xylene	106		7.794				ND	
92 Styrene	104		7.804				ND	
93 Bromoform	173		7.990				ND	
95 Isopropylbenzene	105		8.073				ND	
98 1,1,2,2-Tetrachloroethane	83		8.364				ND	
110 1,3-Dichlorobenzene	146		9.110				ND	
113 1,4-Dichlorobenzene	146		9.182				ND	
116 1,2-Dichlorobenzene	146		9.493				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156				ND	
119 1,2,4-Trichlorobenzene	180		10.820				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4009.D

Injection Date: 11-Jan-2016 13:38:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-93630-A-16

Lab Sample ID: 480-93630-16

Worklist Smp#: 24

Client ID: Trip Blank

Purge Vol: 5.000 mL

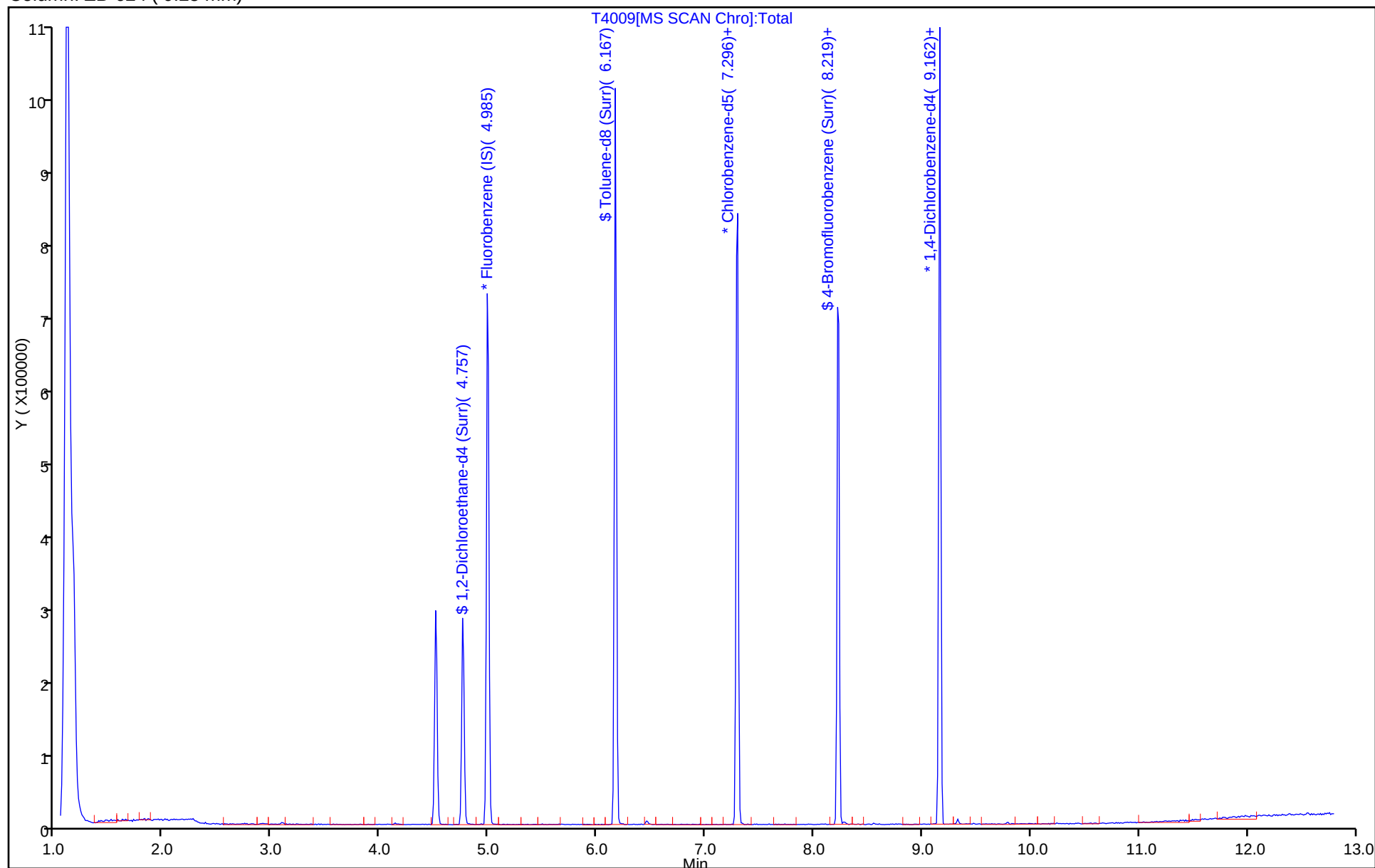
Dil. Factor: 1.0000

ALS Bottle#: 59

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>A1-GP02-S</u>	Lab Sample ID: <u>480-93630-17</u>
Matrix: <u>Water</u>	Lab File ID: <u>T4025.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/07/2016 14:45</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/11/2016 20:00</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>500</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>282953</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		500	410
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	110
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	160
79-00-5	1,1,2-Trichloroethane	ND		500	120
75-34-3	1,1-Dichloroethane	ND		500	190
75-35-4	1,1-Dichloroethene	ND		500	150
120-82-1	1,2,4-Trichlorobenzene	ND		500	210
96-12-8	1,2-Dibromo-3-Chloropropane	ND		500	200
106-93-4	1,2-Dibromoethane	ND		500	370
95-50-1	1,2-Dichlorobenzene	ND		500	400
107-06-2	1,2-Dichloroethane	ND		500	110
78-87-5	1,2-Dichloropropane	ND		500	360
541-73-1	1,3-Dichlorobenzene	ND		500	390
106-46-7	1,4-Dichlorobenzene	ND		500	420
78-93-3	2-Butanone (MEK)	ND		5000	660
591-78-6	2-Hexanone	ND		2500	620
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2500	1100
67-64-1	Acetone	ND		5000	1500
71-43-2	Benzene	ND		500	210
75-27-4	Bromodichloromethane	ND		500	200
75-25-2	Bromoform	ND		500	130
74-83-9	Bromomethane	ND		500	350
75-15-0	Carbon disulfide	ND		500	95
56-23-5	Carbon tetrachloride	ND		500	140
108-90-7	Chlorobenzene	ND		500	380
75-00-3	Chloroethane	ND		500	160
67-66-3	Chloroform	ND		500	170
74-87-3	Chloromethane	ND		500	180
156-59-2	cis-1,2-Dichloroethene	29000		500	410
10061-01-5	cis-1,3-Dichloropropene	ND		500	180
110-82-7	Cyclohexane	ND		500	90
124-48-1	Dibromochloromethane	ND		500	160
75-71-8	Dichlorodifluoromethane	ND		500	340
100-41-4	Ethylbenzene	ND		500	370
98-82-8	Isopropylbenzene	ND		500	400

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1

SDG No.: _____

Client Sample ID: A1-GP02-S Lab Sample ID: 480-93630-17

Matrix: Water Lab File ID: T4025.D

Analysis Method: 8260C Date Collected: 01/07/2016 14:45

Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 20:00

Soil Aliquot Vol: _____ Dilution Factor: 500

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 282953 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1300	650
1634-04-4	Methyl tert-butyl ether	ND		500	80
108-87-2	Methylcyclohexane	ND		500	80
75-09-2	Methylene Chloride	ND		500	220
100-42-5	Styrene	ND		500	370
127-18-4	Tetrachloroethene	ND		500	180
108-88-3	Toluene	ND		500	260
156-60-5	trans-1,2-Dichloroethene	ND		500	450
10061-02-6	trans-1,3-Dichloropropene	ND		500	190
79-01-6	Trichloroethene	330	J	500	230
75-69-4	Trichlorofluoromethane	ND		500	440
75-01-4	Vinyl chloride	770		500	450
1330-20-7	Xylenes, Total	ND		1000	330

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		66-137
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	105		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4025.D
 Lims ID: 480-93630-A-17 Lab Sample ID: 480-93630-17
 Client ID: A1-GP02-S
 Sample Type: Client
 Inject. Date: 11-Jan-2016 20:00:30 ALS Bottle#: 75 Worklist Smp#: 25
 Purge Vol: 5.000 mL Dil. Factor: 500.0000
 Sample Info: 480-93630-A-17
 Misc. Info.: 480-0049838-025
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 18:14:39 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: fortaing

Date: 11-Jan-2016 20:24:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.995	4.985	0.010	99	95855	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	413548	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.162	-0.001	95	225887	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.767	4.757	0.010	0	148039	29.1	
\$ 6 Toluene-d8 (Surr)	98	6.166	6.167	-0.001	94	486641	26.2	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	97	177349	25.3	
11 Dichlorodifluoromethane	85		1.306				ND	
13 Chloromethane	50		1.420				ND	
14 Vinyl chloride	62	1.534	1.545	-0.011	97	11077	1.54	
15 Bromomethane	94		1.824				ND	
16 Chloroethane	64		1.907				ND	
17 Trichlorofluoromethane	101		2.187				ND	
22 1,1-Dichloroethene	96		2.633				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643				ND	
23 Acetone	43	2.736	2.726	0.010	71	2473	1.89	
25 Carbon disulfide	76		2.819				ND	
28 Methyl acetate	43		3.006				ND	
30 Methylene Chloride	84		3.099				ND	
32 trans-1,2-Dichloroethene	96	3.317	3.306	0.011	93	3515	0.5689	
33 Methyl tert-butyl ether	73		3.306				ND	
36 1,1-Dichloroethane	63		3.669				ND	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	83	390200	57.3	
44 2-Butanone (MEK)	43		4.156				ND	
50 Chloroform	83		4.384				ND	
51 1,1,1-Trichloroethane	97		4.498				ND	
52 Cyclohexane	56		4.519				ND	
53 Carbon tetrachloride	117		4.612				ND	
55 Benzene	78		4.778				ND	
57 1,2-Dichloroethane	62		4.819				ND	
60 Trichloroethene	95	5.265	5.265	0.000	89	4050	0.6560	
62 Methylcyclohexane	83		5.379				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63		5.441				ND	
67 Dichlorobromomethane	83		5.669				ND	
71 cis-1,3-Dichloropropene	75		5.990				ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094				ND	
73 Toluene	92		6.218				ND	
75 trans-1,3-Dichloropropene	75		6.415				ND	
78 1,1,2-Trichloroethane	83		6.560				ND	
79 Tetrachloroethene	166		6.633				ND	
81 2-Hexanone	43		6.726				ND	
82 Chlorodibromomethane	129		6.871				ND	
83 Ethylene Dibromide	107		6.954				ND	
86 Chlorobenzene	112		7.317				ND	
88 Ethylbenzene	91		7.379				ND	
90 m-Xylene & p-Xylene	106		7.472				ND	
91 o-Xylene	106		7.794				ND	
92 Styrene	104		7.804				ND	
93 Bromoform	173		7.990				ND	
95 Isopropylbenzene	105		8.073				ND	
98 1,1,2,2-Tetrachloroethane	83		8.364				ND	
110 1,3-Dichlorobenzene	146		9.110				ND	
113 1,4-Dichlorobenzene	146		9.182				ND	
116 1,2-Dichlorobenzene	146		9.493				ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156				ND	
119 1,2,4-Trichlorobenzene	180		10.820				ND	
S 126 Xylenes, Total	1		30.000				ND	

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4025.D

Injection Date: 11-Jan-2016 20:00:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-93630-A-17

Lab Sample ID: 480-93630-17

Worklist Smp#: 25

Client ID: A1-GP02-S

Purge Vol: 5.000 mL

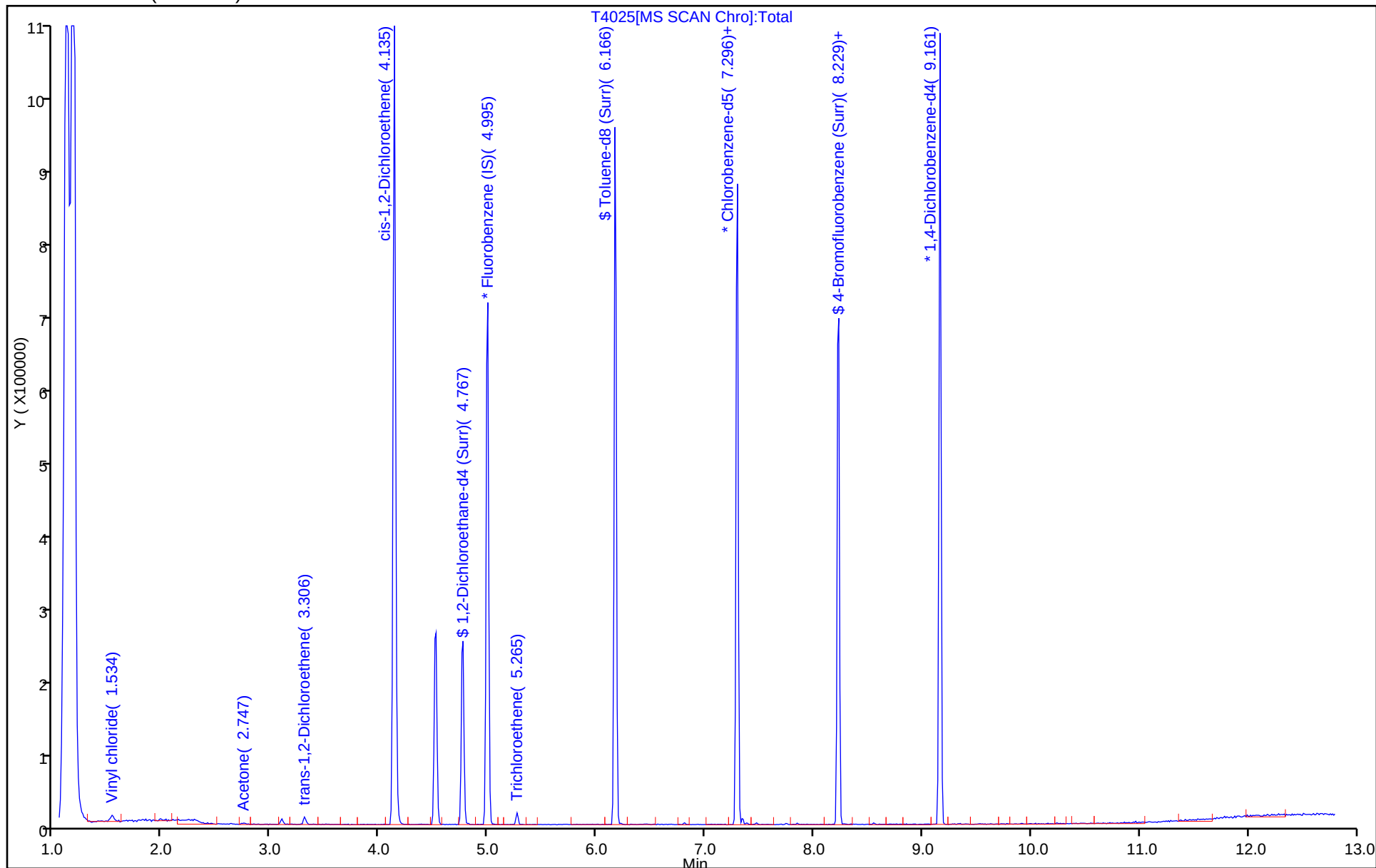
Dil. Factor: 500.0000

ALS Bottle#: 75

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4025.D

Injection Date: 11-Jan-2016 20:00:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-17

Lab Sample ID: 480-93630-17

Client ID: A1-GP02-S

Operator ID: gtg

ALS Bottle#: 75

Worklist Smp#: 25

Purge Vol: 5.000 mL

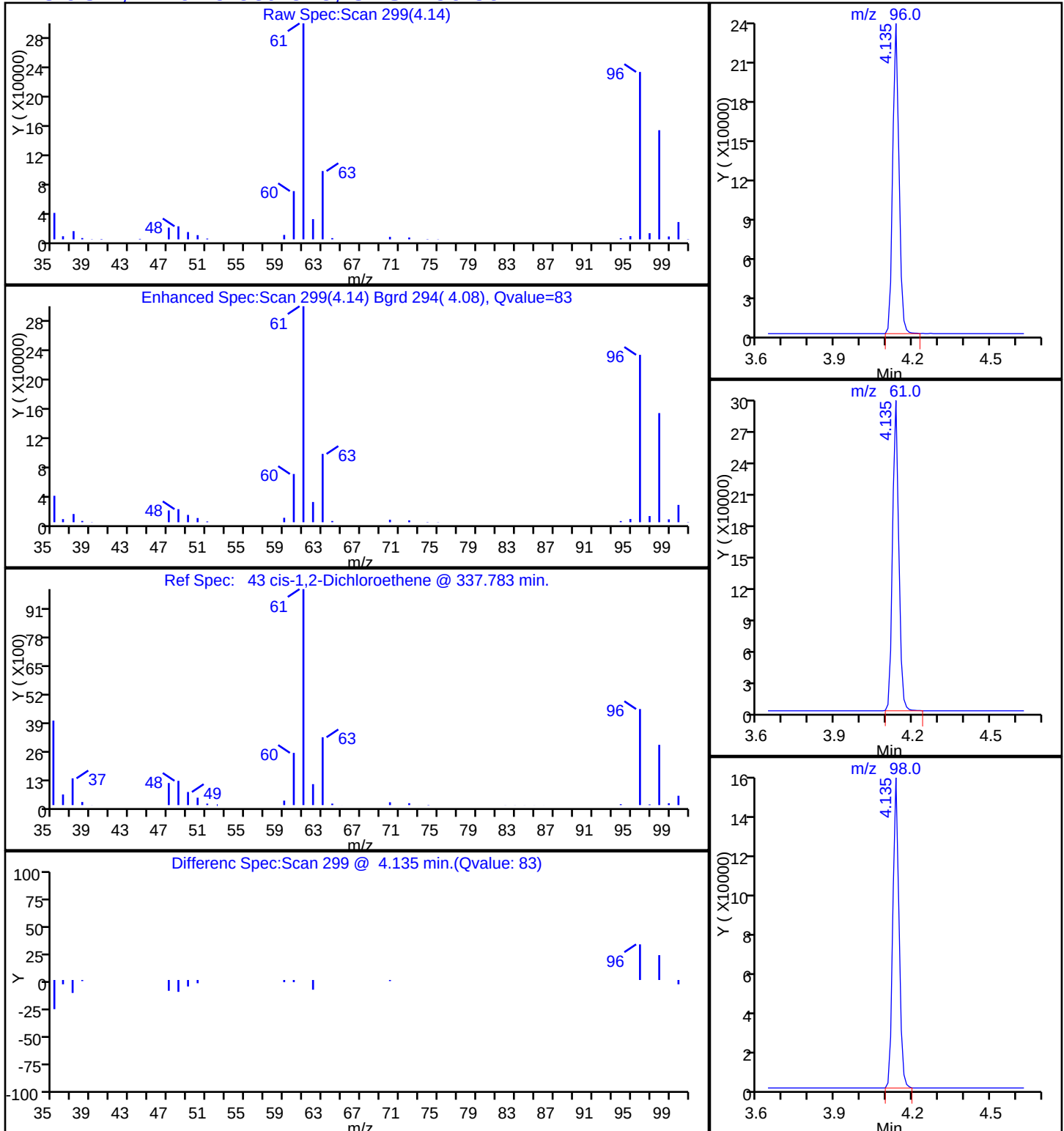
Dil. Factor: 500.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4025.D

Injection Date: 11-Jan-2016 20:00:30

Instrument ID: HP5975T

Lims ID: 480-93630-A-17

Lab Sample ID: 480-93630-17

Client ID: A1-GP02-S

Operator ID: gtg

ALS Bottle#: 75

Worklist Smp#: 25

Purge Vol: 5.000 mL

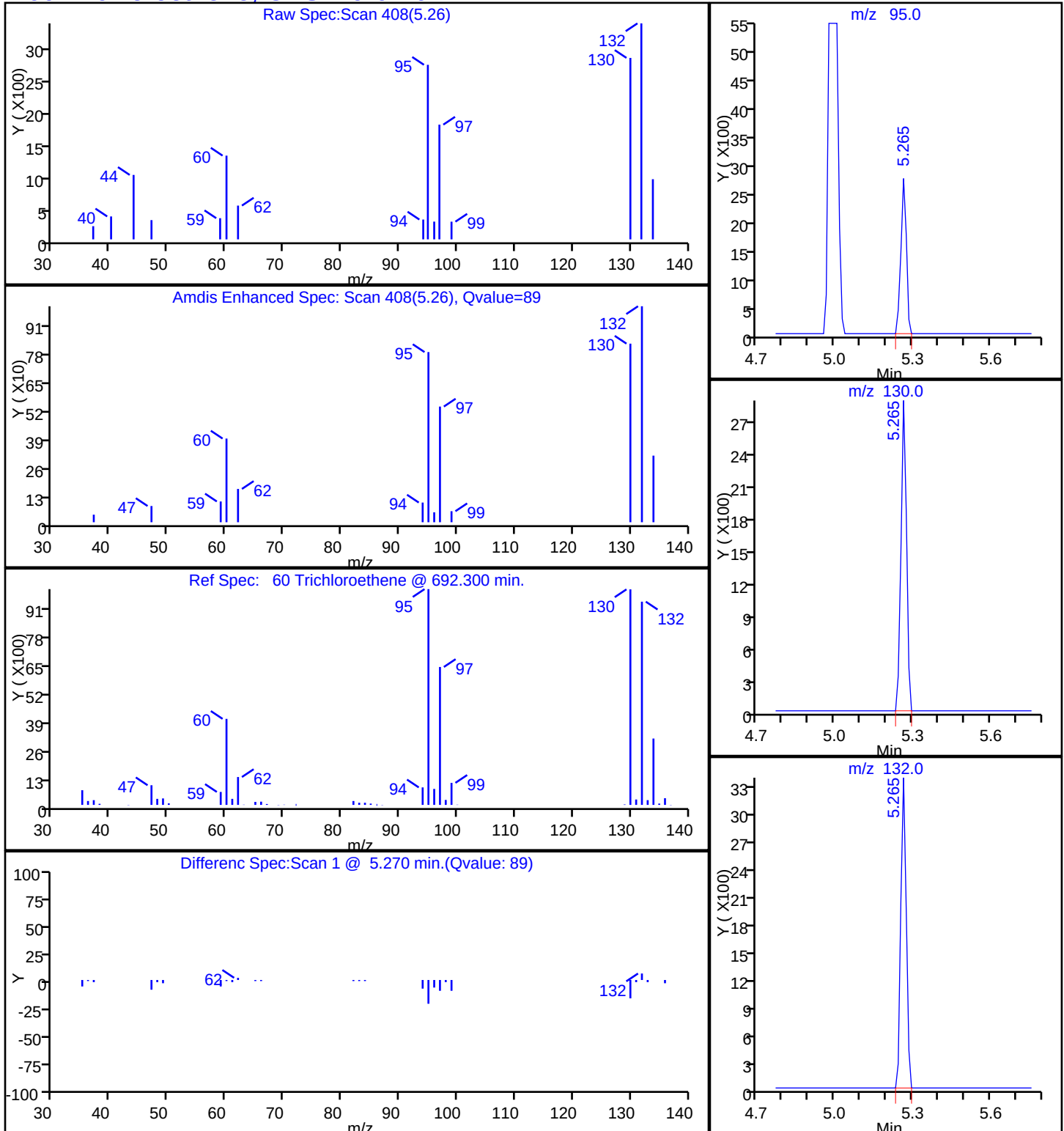
Dil. Factor: 500.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

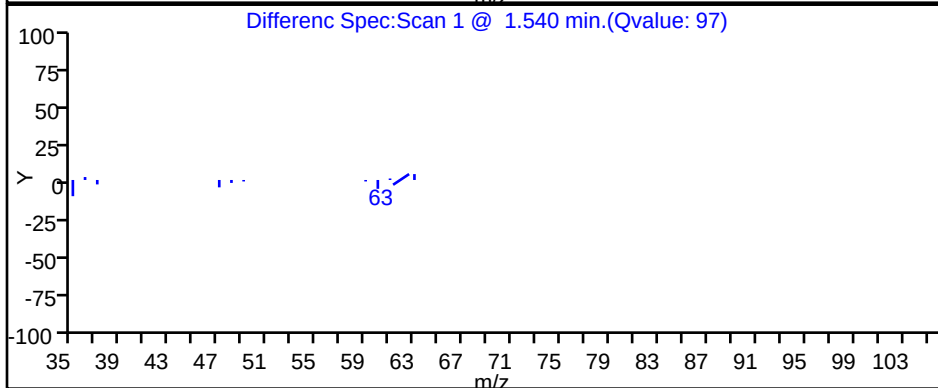
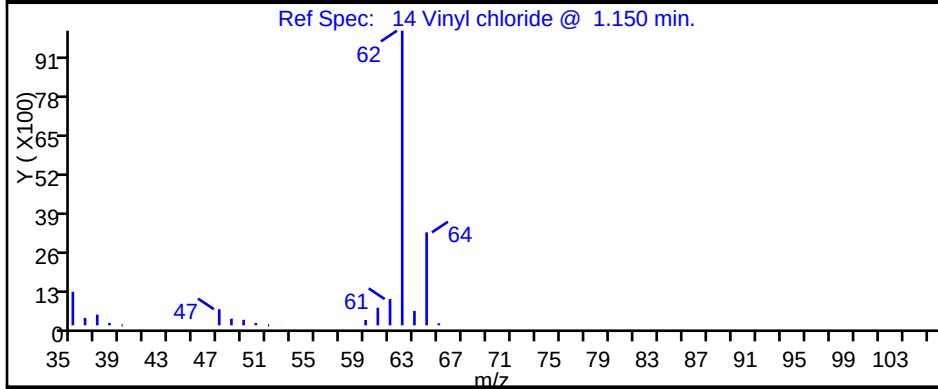
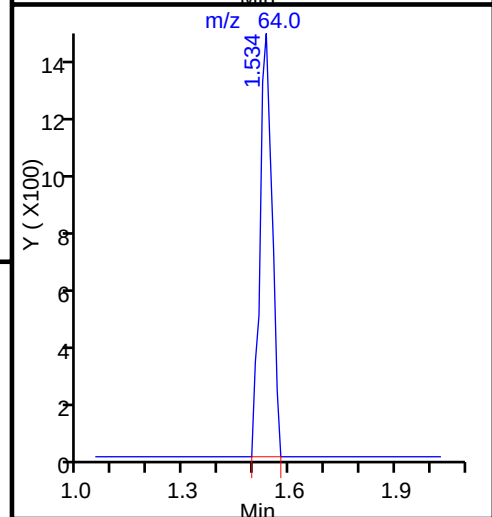
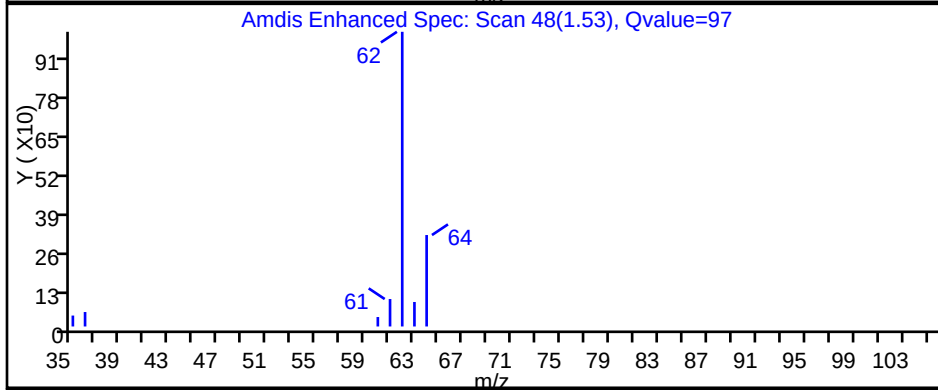
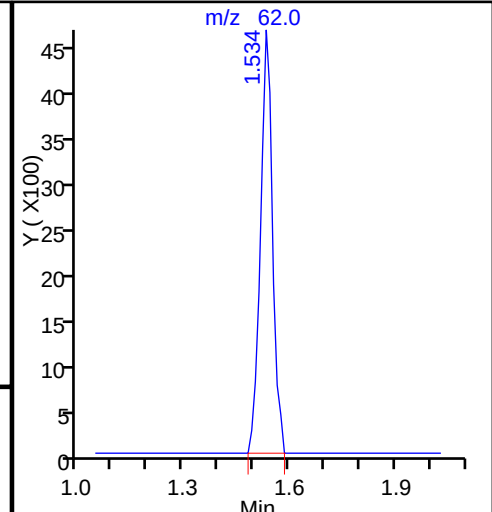
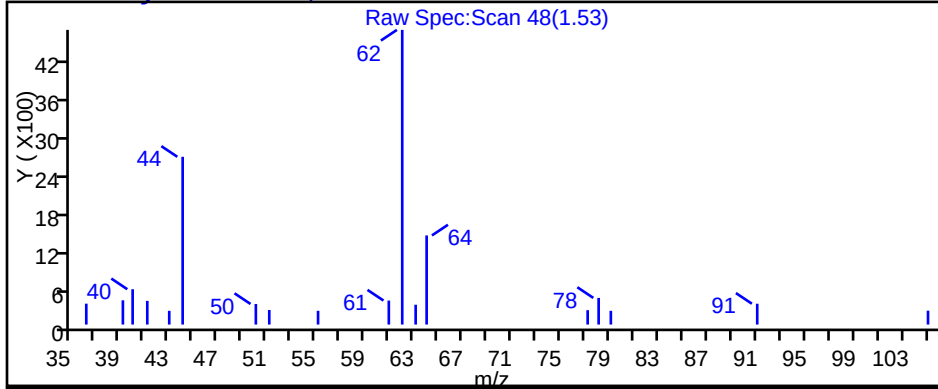
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4025.D
Injection Date: 11-Jan-2016 20:00:30 Instrument ID: HP5975T
Lims ID: 480-93630-A-17 Lab Sample ID: 480-93630-17
Client ID: A1-GP02-S
Operator ID: gtg ALS Bottle#: 75 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 500.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

14 Vinyl chloride, CAS: 75-01-4

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1 Analy Batch No.: 279331

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-279331/4	C59581.D
Level 2	IC 480-279331/5	C59582.D
Level 3	IC 480-279331/6	C59583.D
Level 4	IC 480-279331/7	C59584.D
Level 5	IC 480-279331/8	C59585.D
Level 6	ICIS 480-279331/9	C59586.D
Level 7	IC 480-279331/10	C59587.D
Level 8	IC 480-279331/11	C59588.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Dichlorodifluoromethane	2.3069 2.4323	2.6817 2.5757	2.7769 2.6219	2.7619	2.5649	Ave		2.5903			0.1000	6.2		20.0			
Chloromethane	3.3852 2.3945	3.0142 2.4533	2.8252 2.4777	2.6993	2.4736	Ave		2.7154			0.1000	12.7		20.0			
Vinyl chloride	2.3186 2.1766	2.5039 2.2690	2.5359 2.2912	2.4459	2.2990	Ave		2.3550			0.1000	5.3		20.0			
Butadiene	2.9331 2.2344	2.4691 2.2498	2.6642 2.2881	2.4666	2.2883	Ave		2.4492				10.0		20.0			
Bromomethane	1.6909 1.5246	1.7047 1.5547	1.6308 1.6013	1.6735	1.5777	Ave		1.6198			0.1000	4.1		20.0			
Chloroethane	++++ 1.3774	1.6089 1.4160	1.6039 1.4581	1.5978	1.4614	Ave		1.5033			0.1000	6.5		20.0			
Dichlorofluoromethane	4.5460 3.6400	4.2423 3.7325	4.0990 3.7890	4.0673	3.8023	Ave		3.9898				7.7		20.0			
Trichlorofluoromethane	3.4447 3.5948	3.8274 3.6867	3.9321 3.7435	4.0156	3.7151	Ave		3.7450			0.1000	4.9		20.0			
Ethyl ether	2.0211 1.8796	2.0396 1.8888	1.9137 1.8895	1.9121	1.8596	Ave		1.9255				3.5		20.0			
Acrolein	0.3260 0.3364	0.3434 0.3389	0.3058 0.3403	0.2890	0.3285	Ave		0.3260				5.9		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 2.0277	2.0366 2.0567	2.0797 2.0239	2.1804	2.0471	Ave		2.0646			0.1000	2.6		20.0			
1,1-Dichloroethene	2.0962 1.7629	1.9987 1.7751	1.9148 1.7537	1.9192	1.7946	Ave		1.8769			0.1000	6.7		20.0			
Acetone	0.7156 0.5382	0.6263 0.5455	0.5675 0.5369	0.5447	0.5440	Ave		0.5773			0.1000	10.9		20.0			
Iodomethane	3.8081 3.5166	3.9525 3.5195	3.5404 3.5325	3.6376	3.5032	Ave		3.6263				4.6		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.: 480-93630-1 Analy Batch No.: 279331
SDG No.: _____
Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	7.0144 7.1966	8.2249 7.2934	7.5006 7.1870	7.5742	7.3942	Ave		7.4232			0.1000	5.0		20.0			
Methyl acetate	1.5435 1.4154	1.6179 1.4446	1.4026 1.4263	1.3530	1.4204	Ave		1.4530			0.1000	5.9		20.0			
Allyl chloride	4.2256 3.1510	3.8437 3.1039	3.4459 3.0748	3.4282	3.2264	Ave		3.4374				11.8		20.0			
Methylene Chloride	++++ 2.0875	4.4664 2.0137	2.9857 1.9830	2.5635	2.2318	Lin1	2.4391	1.9672			0.1000				1.0000		0.9900
2-Methyl-2-propanol	++++ 0.1939	0.1807 0.2030	0.1787 0.1926	0.1989	0.1871	Ave		0.1907				4.7		20.0			
Methyl tert-butyl ether	6.1506 5.8833	6.5093 5.9550	5.7573 5.9008	5.9195	5.9186	Ave		5.9993			0.1000	3.9		20.0			
trans-1,2-Dichloroethene	2.0548 1.8826	2.2938 1.9025	2.0644 1.8592	1.9928	1.9691	Ave		2.0024			0.1000	7.0		20.0			
Acrylonitrile	0.6610 0.7287	0.7836 0.7326	0.7310 0.7250	0.7004	0.7193	Ave		0.7227				4.7		20.0			
Hexane	2.8419 2.9793	3.6340 2.9591	3.3389 2.8813	3.1901	3.0517	Ave		3.1096				8.6		20.0			
Vinyl acetate	4.5209 4.2333	4.4878 4.3639	3.8570 4.3931	3.9393	4.0016	Ave		4.2246				6.1		20.0			
1,1-Dichloroethane	3.9052 3.7376	4.2232 3.7176	3.7503 3.6947	4.0387	3.7493	Ave		3.8521			0.2000	4.9		20.0			
2-Butanone (MEK)	0.9279 0.8600	0.8854 0.8799	0.8507 0.8798	0.8770	0.8491	Ave		0.8762			0.1000	2.9		20.0			
2,2-Dichloropropane	3.1448 2.9787	3.6652 2.9832	3.1510 2.9582	3.2720	2.9999	Ave		3.1441				7.6		20.0			
cis-1,2-Dichloroethene	2.1445 2.1079	2.6208 2.1418	2.1035 2.1094	2.2377	2.1800	Ave		2.2057			0.1000	7.9		20.0			
Chlorobromomethane	0.9871 1.0974	1.0653 1.0904	1.0492 1.0804	1.1494	1.0806	Ave		1.0749				4.3		20.0			
Tetrahydrofuran	++++ 0.5951	0.6215 0.5987	0.7386 0.5881	0.6450	0.5911	Ave		0.6254				8.6		20.0			
Chloroform	4.3763 3.6926	4.5354 3.6600	3.9358 3.6188	3.9330	3.8089	Ave		3.9451			0.2000	8.6		20.0			
1,1,1-Trichloroethane	3.3384 3.2439	3.7516 3.2497	3.3601 3.2289	3.5339	3.2763	Ave		3.3729			0.1000	5.4		20.0			
Cyclohexane	2.9229 3.9074	4.2460 3.8995	4.1821 3.8286	4.2215	3.9064	Ave		3.8893			0.1000	10.9		20.0			
Isobutyl alcohol	0.1009 0.0857	0.1101 0.0912	0.0917 0.0877	0.0803	0.0847	Ave		0.0915				10.6		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.: 480-93630-1 Analy Batch No.: 279331
SDG No.: _____
Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

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	2.9351 2.6807	2.9233 2.7071	2.8567 2.6617	2.8588	2.7695	Ave		2.7991				3.9		20.0			
Carbon tetrachloride	2.3318 3.0128	3.1868 3.0395	3.0315 3.0093	3.2241	3.0288	Ave		2.9831			0.1000	9.3		20.0			
Benzene	8.1771 7.5131	8.6691 7.4421	7.9622 7.3223	7.9834	7.5484	Ave		7.8272			0.5000	5.8		20.0			
n-Heptane	3.6901 2.8075	3.7062 2.6937	3.3791 2.6527	2.9475	2.8019	Ave		3.0848				14.3		20.0			
1,2-Dichloroethane	3.4530 3.2551	3.7402 3.2130	3.3706 3.1288	3.2829	3.2509	Ave		3.3368			0.1000	5.7		20.0			
Trichloroethene	2.1850 2.0522	2.4224 2.0587	2.1523 2.0522	2.1636	2.1238	Ave		2.1513			0.2000	5.7		20.0			
Methylcyclohexane	2.3981 3.1924	3.4890 3.2436	3.3272 3.1896	3.4002	3.2196	Ave		3.1825			0.1000	10.5		20.0			
1,2-Dichloropropane	1.8553 2.0713	2.2641 2.0167	2.0188 2.0410	2.1616	2.0588	Ave		2.0610			0.1000	5.7		20.0			
1,4-Dioxane	++++ 0.0049	++++ 0.0054	0.0021 0.0047	0.0058	0.0043	Lin1	-0.062	0.0050							0.9910		0.9900
Dibromomethane	1.1383 1.3294	1.3959 1.3416	1.4099 1.3307	1.3967	1.3395	Ave		1.3353			0.1000	6.5		20.0			
Bromodichloromethane	2.7454 2.9143	2.9824 2.9187	2.8862 2.9319	2.9326	2.8578	Ave		2.8962			0.2000	2.4		20.0			
2-Chloroethyl vinyl ether	1.1608 1.3550	1.2147 1.3936	1.3295 1.3829	1.3071	1.3071	Ave		1.3063				6.2		20.0			
cis-1,3-Dichloropropene	2.9546 3.2754	3.4943 3.3150	3.2488 3.3347	3.2381	3.2259	Ave		3.2609			0.2000	4.6		20.0			
4-Methyl-2-pentanone (MIBK)	0.9939 0.9674	0.9700 0.9553	0.9460 0.9192	0.9401	0.9575	Ave		0.9562			0.1000	2.3		20.0			
Toluene	2.1996 2.2446	2.5776 2.2128	2.3810 2.1370	2.4469	2.2925	Ave		2.3115			0.4000	6.4		20.0			
Ethyl methacrylate	1.0290 1.1790	1.1244 1.1914	1.0183 1.1728	1.0944	1.1291	Ave		1.1173				5.9		20.0			
trans-1,3-Dichloropropene	1.3480 1.4787	1.4373 1.4664	1.3946 1.4291	1.4481	1.4416	Ave		1.4305			0.1000	2.9		20.0			
1,1,2-Trichloroethane	0.7134 0.7042	0.7895 0.6945	0.6726 0.6802	0.7204	0.7115	Ave		0.7108			0.1000	5.0		20.0			
2-Hexanone	0.6958 0.6691	0.7012 0.6697	0.6371 0.6449	0.6264	0.6465	Ave		0.6613			0.1000	4.1		20.0			
Tetrachloroethene	1.0638 1.0769	1.1567 1.0496	1.0837 1.0265	1.1484	1.0944	Ave		1.0875			0.2000	4.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1 Analy Batch No.: 279331
SDG No.: _____
Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,3-Dichloropropane	1.4825 1.4212	1.4822 1.4012	1.4553 1.3629	1.4976	1.4466	Ave		1.4437				3.2		20.0			
Dibromochloromethane	1.0260 1.0613	1.0529 1.0639	0.9649 1.0578	1.0543	1.0299	Ave		1.0389			0.1000	3.2		20.0			
1,2-Dibromoethane	0.8704 0.9369	0.9111 0.9159	0.9640 0.8977	0.9298	0.9096	Ave		0.9169				3.0		20.0			
Chlorobenzene	2.8871 2.6408	2.8519 2.5804	2.7730 2.5180	2.8159	2.6557	Ave		2.7153			0.5000	5.0		20.0			
Ethylbenzene	4.9659 4.3841	5.1705 4.3562	4.6996 4.1770	4.6881	4.4310	Ave		4.6091			0.1000	7.3		20.0			
1,1,1,2-Tetrachloroethane	1.0490 1.0168	1.0880 1.0261	0.9918 1.0023	1.1161	1.0209	Ave		1.0389				4.2		20.0			
m,p-Xylene	1.7321 1.7743	1.9036 1.7356	1.7737 1.6749	1.8937	1.7874	Ave		1.7844			0.1000	4.4		20.0			
o-Xylene	1.7290 1.7870	1.9116 1.7393	1.8371 1.6854	1.8500	1.7589	Ave		1.7873			0.3000	4.2		20.0			
Styrene	2.8281 2.9428	2.8986 2.9343	2.9136 2.8621	3.0166	2.9298	Ave		2.9157			0.3000	1.9		20.0			
Isopropylbenzene	4.8809 4.6588	5.2731 4.6717	5.0809 4.5100	5.0885	4.7405	Ave		4.8630			0.1000	5.4		20.0			
Bromoform	0.5505 0.6438	0.6028 0.6719	0.5427 0.6709	0.6066	0.6102	Ave		0.6124			0.1000	8.0		20.0			
1,1,2,2-Tetrachloroethane	1.0483 1.1208	1.1936 1.1464	1.1565 1.1112	1.1298	1.0898	Ave		1.1246			0.3000	3.9		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.4245	0.4132 0.4371	0.3642 0.4338	0.4163	0.4063	Ave		0.4136				5.9		20.0			
N-Propylbenzene	6.0589 5.3859	6.0403 5.3684	5.6774 5.1490	5.6527	5.4589	Ave		5.5989				5.8		20.0			
1,2,3-Trichloropropane	0.3118 0.3696	0.3521 0.3770	0.3953 0.3594	0.3932	0.3808	Ave		0.3674				7.4		20.0			
Bromobenzene	1.2701 1.2266	1.2534 1.2351	1.2724 1.1952	1.2919	1.2569	Ave		1.2502				2.4		20.0			
1,3,5-Trimethylbenzene	3.9525 4.0504	4.5212 4.0603	4.2898 3.9126	4.3200	4.0988	Ave		4.1507				5.0		20.0			
2-Chlorotoluene	0.9628 1.0598	1.1703 1.0719	1.1334 1.0382	1.1507	1.0660	Ave		1.0816				6.3		20.0			
4-Chlorotoluene	1.2251 1.1229	1.1701 1.1211	1.1826 1.0927	1.1630	1.1197	Ave		1.1497				3.8		20.0			
tert-Butylbenzene	0.9170 0.8562	0.9963 0.8691	0.9005 0.8391	0.9537	0.8859	Ave		0.9022				5.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1 Analy Batch No.: 279331
SDG No.: _____
Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	4.1937 4.1954	4.5118 4.1809	4.3892 4.0654	4.5130	4.1320	Ave		4.2727				4.1		20.0			
sec-Butylbenzene	4.7443 5.0110	5.5579 5.0490	5.3306 4.8592	5.4366	5.0621	Ave		5.1314				5.5		20.0			
4-Isopropyltoluene	4.3031 4.2138	4.7445 4.2360	4.4240 4.1181	4.5943	4.2254	Ave		4.3574				4.9		20.0			
1,3-Dichlorobenzene	2.4106 2.3443	2.5769 2.3622	2.4440 2.3226	2.4453	2.3434	Ave		2.4062			0.6000	3.5		20.0			
1,4-Dichlorobenzene	2.5894 2.4093	2.7437 2.3989	2.5026 2.3306	2.4688	2.3892	Ave		2.4791			0.5000	5.4		20.0			
n-Butylbenzene	3.6712 3.7291	4.1665 3.7670	3.9009 3.6876	4.0385	3.7359	Ave		3.8371				4.7		20.0			
1,2-Dichlorobenzene	2.3958 2.2990	2.5221 2.3231	2.2913 2.2552	2.3977	2.2953	Ave		2.3474			0.4000	3.7		20.0			
1,2-Dibromo-3-Chloropropane	0.1893 0.2275	0.3090 0.2444	0.2592 0.2372	0.2354	0.2330	Ave		0.2419			0.0500	13.9		20.0			
1,2,4-Trichlorobenzene	1.3857 1.6197	1.5250 1.6558	1.5706 1.6441	1.6477	1.5708	Ave		1.5774			0.2000	5.7		20.0			
Hexachlorobutadiene	0.5250 0.6370	0.6243 0.6517	0.6105 0.6440	0.7203	0.6068	Ave		0.6274				8.7		20.0			
Naphthalene	3.0013 3.6753	3.2029 3.8377	3.0978 3.8402	3.3852	3.4593	Ave		3.4375				9.5		20.0			
1,2,3-Trichlorobenzene	1.4305 1.5614	1.5058 1.5976	1.4706 1.5688	1.4944	1.4785	Ave		1.5135				3.8		20.0			
Dibromofluoromethane (Surr)	1.2717 1.3139	1.3358 1.3488	1.3094 1.3626	1.3197	1.3210	Ave		1.3229				2.1		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7814 0.7986	0.8046 0.8371	0.7678 0.8129	0.7687	0.7987	Ave		0.7962				2.9		20.0			
Toluene-d8 (Surr)	2.0777 2.1235	2.0978 2.0901	2.1067 2.0893	2.1112	2.1168	Ave		2.1016				0.7		20.0			
4-Bromofluorobenzene (Surr)	0.7125 0.7333	0.7119 0.7369	0.7162 0.7283	0.7351	0.7324	Ave		0.7258				1.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1 Analy Batch No.: 279331

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-279331/4	C59581.D
Level 2	IC 480-279331/5	C59582.D
Level 3	IC 480-279331/6	C59583.D
Level 4	IC 480-279331/7	C59584.D
Level 5	IC 480-279331/8	C59585.D
Level 6	ICIS 480-279331/9	C59586.D
Level 7	IC 480-279331/10	C59587.D
Level 8	IC 480-279331/11	C59588.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	4730 301041	13186 624086	27942 1253697	68873	128034	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	6941 296363	14821 594435	28428 1184747	67311	123474	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	4754 269390	12312 549792	25517 1095567	60991	114760	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	6014 276552	12141 545132	26808 1094079	61507	114226	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	3467 188702	8382 376714	16410 765682	41732	78757	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	++++ 170477	7911 343093	16139 697199	39844	72948	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	9321 450516	20860 904395	41246 1811787	101423	189803	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	7063 444926	18820 893289	39566 1789987	100135	185448	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	4144 232641	10029 457670	19256 903468	47681	92829	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	3342 208190	8443 410530	15384 813481	36038	81993	2.00 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 250972	10014 498342	20927 967757	54371	102186	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	4298 218187	9828 430119	19267 838571	47858	89583	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	7336 333042	15398 660829	28550 1283666	67910	135788	2.00 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	7808 435242	19435 852791	35625 1689113	90709	174871	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	14382 890715	40443 1767200	75474 3436586	188874	369103	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1 Analy Batch No.: 279331

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Methyl acetate	FB	Ave	15824 875911	39777 1750098	70567 3409975	168697	354504	2.00 125	5.00 250	10.0 500	25.0	50.0
Allyl chloride	FB	Ave	8664 390001	18900 752080	34674 1470250	85486	161055	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylene Chloride	FB	Lin1	++++ 258368	21962 487918	30043 948203	63925	111404	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	++++ 239984	8887 491802	17981 920862	49610	93406	++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	12611 728174	32007 1442898	57932 2821527	147612	295444	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	4213 233007	11279 460987	20773 888987	49693	98292	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	13553 901952	38533 1775189	73559 3466555	174657	359064	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	5827 368751	17869 716994	33597 1377751	79550	152333	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	18539 1047914	44134 2114769	77622 4201250	196465	399500	0.800 50.0	2.00 100	4.00 200	10.0	20.0
1,1-Dichloroethane	FB	Ave	8007 462601	20766 900771	37737 1766687	100710	187155	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	9513 532235	21767 1066040	42799 2103349	109341	211935	2.00 125	5.00 250	10.0 500	25.0	50.0
2,2-Dichloropropane	FB	Ave	6448 368673	18022 722839	31707 1414492	81591	149748	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4397 260887	12887 518972	21166 1008638	55801	108818	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobromomethane	FB	Ave	2024 135818	5238 264196	10557 516586	28661	53939	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	++++ 147313	6112 290119	14864 562460	32166	59009	++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	8973 457027	22301 886828	39604 1730371	98075	190133	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	6845 401495	18447 787406	33811 1543925	88123	163546	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	5993 483618	20878 944857	42082 1830685	105269	195000	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	5172 265080	13531 552301	23078 1048782	50081	105663	10.0 625	25.0 1250	50.0 2500	125	250
1,1-Dichloropropene	FB	Ave	6018 331785	14374 655936	28745 1272727	71288	138246	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	4781 372892	15670 736487	30504 1438923	80398	151188	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1 Analy Batch No.: 279331

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

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	16766 929895	42627 1803239	80119 3501246	199077	376796	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	7566 347482	18224 652690	34002 1268418	73499	139863	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	7080 402877	18391 778508	33916 1496062	81864	162276	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	4480 254002	11911 498820	21657 981309	53953	106015	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	4917 395124	17156 785929	33480 1525166	84789	160717	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3804 256361	11133 488661	20314 975951	53902	102770	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBZ	Lin1	++++ 25442	++++ 56306	879 99175	5983	9027	++++ 500	++++ 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	2334 164539	6864 325082	14187 636303	34829	66863	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	5629 360701	14665 707212	29042 1401924	73129	142654	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	2380 167713	5973 337670	13378 661248	32595	65248	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	6058 405394	17182 803243	32691 1594522	80746	161028	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	21142 1263853	50843 2486207	98572 4859187	242968	501918	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBZ	Ave	9358 586489	27021 1151776	49619 2259465	126488	240345	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBZ	Ave	4378 308070	11787 620135	21220 1239978	56572	118377	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBZ	Ave	5735 386386	15067 763245	29063 1510957	74855	151139	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	3035 184006	8276 361465	14017 719138	37239	74593	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBZ	Ave	14801 874175	36753 1742886	66386 3408963	161891	338870	2.00 125	5.00 250	10.0 500	25.0	50.0
Tetrachloroethene	CBZ	Ave	4526 281396	12126 546309	22584 1085325	59365	114740	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	6307 371353	15538 729302	30328 1440933	77415	151660	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromochloromethane	CBZ	Ave	4365 277322	11038 553748	20108 1118399	54497	107977	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	3703 244810	9551 476701	20090 949073	48062	95362	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1 Analy Batch No.: 279331

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

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	CBZ	Ave	12283 690022	29897 1343077	57788 2662215	145561	278417	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBZ	Ave	21127 1145546	54203 2267405	97937 4416277	242338	464541	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	4463 265675	11406 534082	20668 1059719	57696	107030	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBZ	Ave	7369 463607	19956 903371	36963 1770809	97888	187387	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBZ	Ave	7356 466939	20039 905289	38284 1781894	95633	184399	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBZ	Ave	12032 768947	30386 1527311	60719 3026047	155933	307155	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCB	Ave	19411 1188422	52209 2330372	100284 4600013	253803	482612	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBZ	Ave	2342 168211	6319 349734	11310 709342	31355	63975	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	4169 285910	11818 571845	22827 1133347	56353	110951	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	++++ 108283	4091 218016	7189 442481	20763	41368	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCB	Ave	24096 1373894	59805 2677889	112059 5251776	281944	555749	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	1240 94280	3486 188045	7803 366522	19612	38771	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCB	Ave	5051 312896	12410 616078	25115 1219050	64438	127962	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	15719 1033241	44764 2025395	84671 3990713	215472	417285	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCB	Ave	3829 270342	11587 534694	22371 1058966	57394	108529	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCB	Ave	4872 286445	11585 559249	23342 1114536	58007	113996	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCB	Ave	3647 218419	9864 433546	17773 855894	47570	90191	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	16678 1070211	44671 2085528	86632 4146539	225098	420664	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCB	Ave	18868 1278275	55029 2518596	105213 4956140	271164	515360	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCB	Ave	17113 1074914	46975 2113048	87319 4200316	229151	430176	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	9587 598020	25514 1178335	48238 2368902	121966	238573	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1 Analy Batch No.: 279331

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2015 14:15 Calibration End Date: 12/11/2015 17:40 Calibration ID: 25794

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	DCB	Ave	10298 614583	27165 1196637	49396 2377070	123139	243233	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCB	Ave	14600 951266	41252 1879092	76995 3761182	201429	380343	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	9528 586467	24971 1158831	45224 2300155	119592	233673	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	753 58036	3059 121920	5116 241937	11740	23726	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	5511 413180	15099 825949	30999 1676862	82181	159922	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCB	Ave	2088 162484	6181 325088	12049 656815	35927	61775	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCB	Ave	11936 937548	31712 1914342	61144 3916853	168846	352178	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	5689 398306	14909 796908	29027 1600126	74537	150520	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	162963 162623	164209 163409	164694 162889	164539	164856	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	100129 98842	98903 101417	96571 97174	95842	99673	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	552453 554868	549779 543933	548788 552249	545675	554801	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	189448 191601	186570 191779	186563 192499	190003	191968	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\HP5973C\20151211-49159.b\C59581.D
 Lims ID: IC 0.4
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 11-Dec-2015 14:15:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.4
 Misc. Info.: 480-0049159-004
 Operator ID: gtg Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Dec-2015 11:36:10 Calib Date: 11-Dec-2015 22:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: goliszekg

Date: 11-Dec-2015 16:03:00

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	9.369	9.369	0.000	98	128148	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	265902	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	248559	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	162963	25.0	24.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	100129	25.0	24.5	
\$ 5 Toluene-d8 (Surr)	98	10.591	10.590	0.001	93	552453	25.0	24.7	
\$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	86	189448	25.0	24.5	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	93	4730	0.4000	0.3562	
12 Chloromethane	50	4.851	4.851	0.000	37	6941	0.4000	0.4987	
13 Vinyl chloride	62	5.088	5.088	0.000	90	4754	0.4000	0.3938	
151 Butadiene	54	5.124	5.124	0.000	88	6014	0.4000	0.4790	
14 Bromomethane	94	5.693	5.693	0.000	78	3467	0.4000	0.4176	
15 Chloroethane	64		5.823				ND	ND	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	94	9321	0.4000	0.4558	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	95	7063	0.4000	0.3679	
18 Ethyl ether	59	6.487	6.475	0.012	95	4144	0.4000	0.4199	
20 Acrolein	56	6.737	6.724	0.012	94	3342	2.00	2.00	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	80	2803	0.4000	0.2649	
22 1,1-Dichloroethene	96	6.820	6.819	0.001	93	4298	0.4000	0.4467	
23 Acetone	43	6.891	6.879	0.012	67	7336	2.00	2.48	
25 Iodomethane	142	7.057	7.056	0.001	95	7808	0.4000	0.4201	
26 Carbon disulfide	76	7.140	7.139	0.001	98	14382	0.4000	0.3780	
27 Methyl acetate	43	7.175	7.163	0.012	99	15824	2.00	2.12	M
28 3-Chloro-1-propene	41	7.187	7.187	0.000	82	8664	0.4000	0.4917	
30 Methylene Chloride	84	7.341	7.341	0.000	97	13835	0.4000	0.1321	
31 2-Methyl-2-propanol	59		7.353				ND	ND	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	96	12611	0.4000	0.4101	
34 trans-1,2-Dichloroethene	96	7.578	7.566	0.012	93	4213	0.4000	0.4105	
33 Acrylonitrile	53	7.602	7.578	0.024	90	13553	4.00	3.66	
35 Hexane	57	7.721	7.709	0.012	90	5827	0.4000	0.3656	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.910	0.012	98	18539	0.8000	0.8561	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	93	8007	0.4000	0.4055	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	98	9513	2.00	2.12	
44 2,2-Dichloropropane	77	8.468	8.456	0.012	28	6448	0.4000	0.4001	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	82	4397	0.4000	0.3889	
48 Chlorobromomethane	128	8.693	8.693	0.000	89	2024	0.4000	0.3673	
50 Chloroform	83	8.705	8.705	0.000	94	8973	0.4000	0.4437	
49 Tetrahydrofuran	42		8.705				ND	ND	
51 1,1,1-Trichloroethane	97	8.883	8.871	0.012	89	6845	0.4000	0.3959	
52 Cyclohexane	56	8.907	8.906	0.001	83	5993	0.4000	0.3006	
53 Isobutyl alcohol	43	8.954	8.954	0.000	46	5172	10.0	11.0	
54 1,1-Dichloropropene	75	8.990	8.989	0.001	90	6018	0.4000	0.4194	
55 Carbon tetrachloride	117	9.013	9.013	0.000	95	4781	0.4000	0.3127	
57 Benzene	78	9.179	9.179	0.000	93	16766	0.4000	0.4179	
59 n-Heptane	43	9.191	9.191	0.000	58	7566	0.4000	0.4785	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	94	7080	0.4000	0.4139	
62 Trichloroethene	95	9.654	9.653	0.001	93	4480	0.4000	0.4063	
64 Methylcyclohexane	83	9.796	9.796	0.000	93	4917	0.4000	0.3014	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	84	3804	0.4000	0.3601	
66 1,4-Dioxane	88		9.926				ND	ND	
67 Dibromomethane	93	9.998	9.997	0.001	65	2334	0.4000	0.3410	
68 Dichlorobromomethane	83	10.069	10.069	0.001	94	5629	0.4000	0.3792	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	79	2380	0.4000	0.3554	
72 cis-1,3-Dichloropropene	75	10.389	10.377	0.012	94	6058	0.4000	0.3624	
73 4-Methyl-2-pentanone (MIBK)	43	10.425	10.412	0.012	78	21142	2.00	2.08	
74 Toluene	92	10.650	10.650	0.000	96	9358	0.4000	0.3806	
75 Ethyl methacrylate	69	10.721	10.721	0.000	87	4378	0.4000	0.3684	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	91	5735	0.4000	0.3769	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	89	3035	0.4000	0.4015	
80 2-Hexanone	43	11.065	11.053	0.012	74	14801	2.00	2.10	M
81 Tetrachloroethene	166	11.089	11.088	0.001	91	4526	0.4000	0.3913	
82 1,3-Dichloropropane	76	11.112	11.124	-0.012	92	6307	0.4000	0.4107	
83 Chlorodibromomethane	129	11.338	11.337	0.001	82	4365	0.4000	0.3950	
84 Ethylene Dibromide	107	11.480	11.480	0.000	97	3703	0.4000	0.3797	
88 Ethylbenzene	91	11.812	11.800	0.012	97	21127	0.4000	0.4310	
87 Chlorobenzene	112	11.800	11.800	0.000	96	12283	0.4000	0.4253	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.835	0.001	86	4463	0.4000	0.4039	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	7369	0.4000	0.3883	
91 o-Xylene	106	12.239	12.239	0.000	95	7356	0.4000	0.3870	
92 Styrene	104	12.251	12.250	0.001	91	12032	0.4000	0.3880	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	19411	0.4000	0.4015	
95 Bromoform	173	12.523	12.523	0.000	7	2342	0.4000	0.3595	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	80	4169	0.4000	0.3729	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	1	967	0.4000	0.2351	
99 N-Propylbenzene	91	12.856	12.855	0.001	98	24096	0.4000	0.4329	
100 1,2,3-Trichloropropane	110	12.891	12.879	0.012	76	1240	0.4000	0.3395	
101 Bromobenzene	156	12.915	12.915	0.000	91	5051	0.4000	0.4064	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	92	15719	0.4000	0.3809	
103 2-Chlorotoluene	126	13.022	13.021	0.001	94	3829	0.4000	0.3561	
105 4-Chlorotoluene	126	13.105	13.104	0.001	96	4872	0.4000	0.4262	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	3647	0.4000	0.4066	
107 1,2,4-Trimethylbenzene	105	13.342	13.341	0.001	94	16678	0.4000	0.3926	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.484	13.496	-0.012	95	18868	0.4000	0.3698	
110 4-Isopropyltoluene	119	13.591	13.590	0.001	94	17113	0.4000	0.3950	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	90	9587	0.4000	0.4007	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	90	10298	0.4000	0.4178	
115 n-Butylbenzene	91	14.006	14.006	0.000	95	14600	0.4000	0.3827	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	92	9528	0.4000	0.4082	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.108	0.001	1	753	0.4000	0.3131	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	89	5511	0.4000	0.3514	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	74	2088	0.4000	0.3347	
121 Naphthalene	128	16.591	16.579	0.012	1	11936	0.4000	0.3492	
122 1,2,3-Trichlorobenzene	180	16.947	16.946	0.001	93	5689	0.4000	0.3781	
S 125 1,2-Dichloroethene, Total	1				0			0.7994	
S 126 1,3-Dichloropropene, Total	1				0			0.7394	
S 123 Total BTEX	1				0			2.00	
S 124 Xylenes, Total	1				0			0.7752	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061

Amount Added: 0.40

Units: uL

GAS CORP mix_00125

Amount Added: 0.40

Units: uL

C_8260_IS_00064

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00067

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59581.D

Injection Date: 11-Dec-2015 14:15:30

Instrument ID: HP5973C

Operator ID: gtg

Lims ID: IC 0.4

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

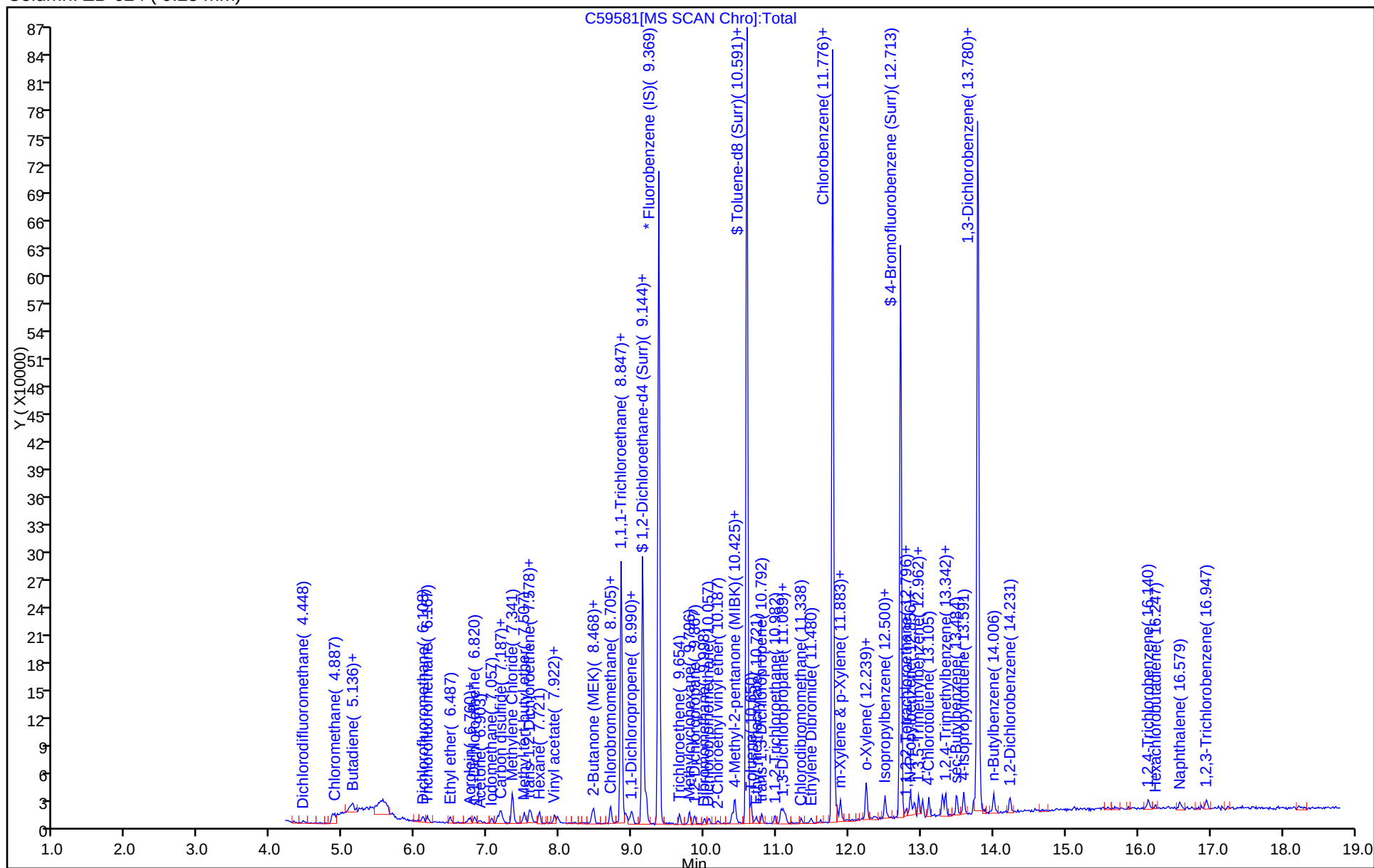
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59581.D

Injection Date: 11-Dec-2015 14:15:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: gtg

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

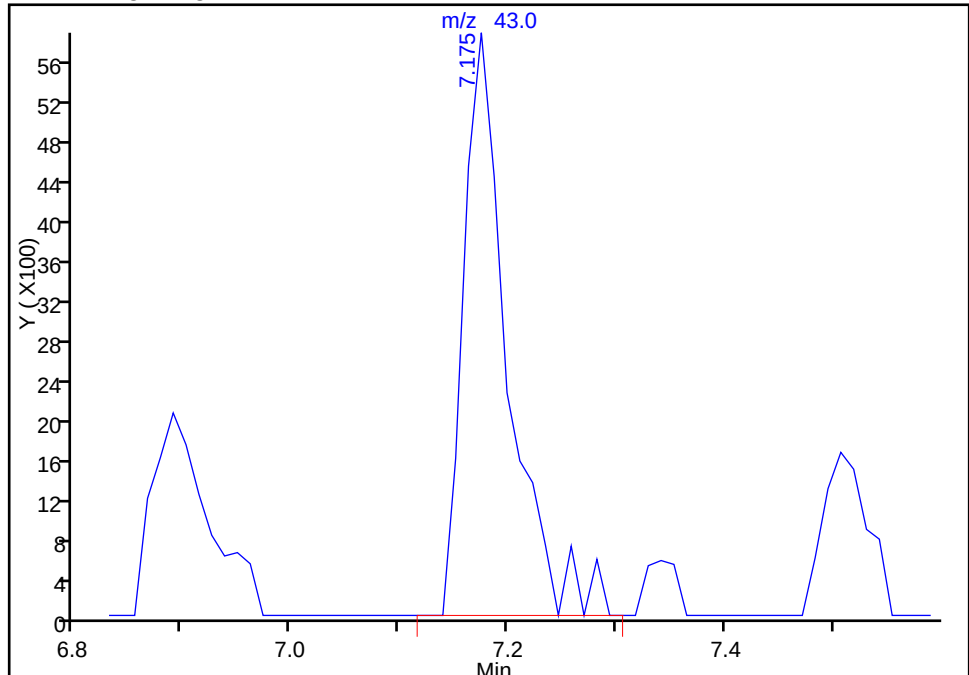
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

27 Methyl acetate, CAS: 79-20-9

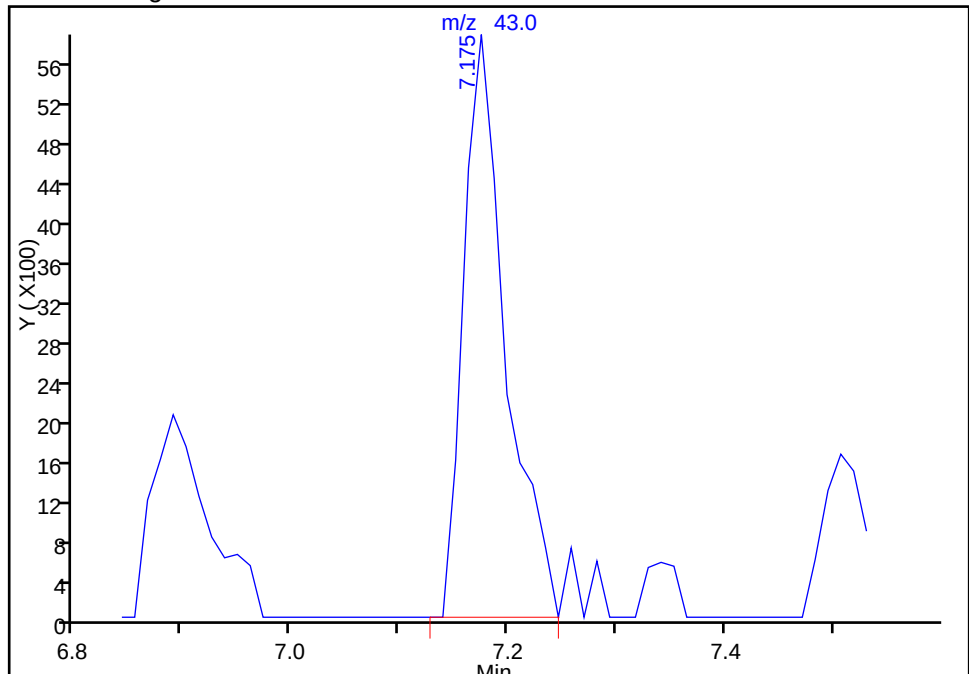
RT: 7.18
Area: 16723
Amount: 2.228572
Amount Units: ug/L

Processing Integration Results



RT: 7.18
Area: 15824
Amount: 2.124677
Amount Units: ug/L

Manual Integration Results



Reviewer: goliszekg, 14-Dec-2015 07:23:51

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59581.D

Injection Date: 11-Dec-2015 14:15:30

Instrument ID: HP5973C

Lims ID: IC 0.4

Client ID:

Operator ID: gtg

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

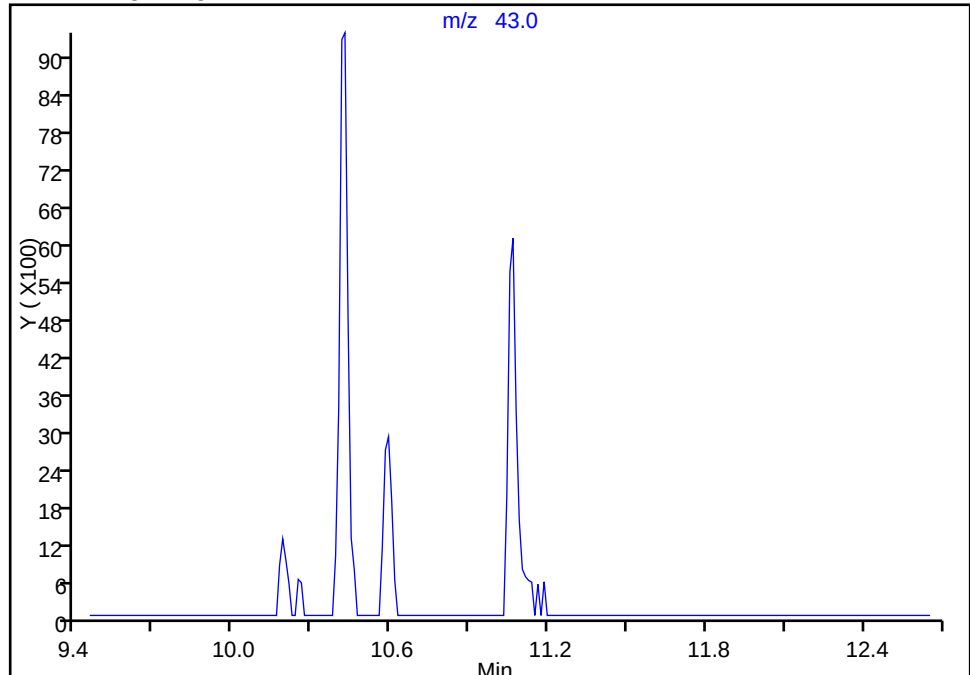
Detector: MS SCAN

80 2-Hexanone, CAS: 591-78-6

Not Detected

Expected RT: 11.05

Processing Integration Results



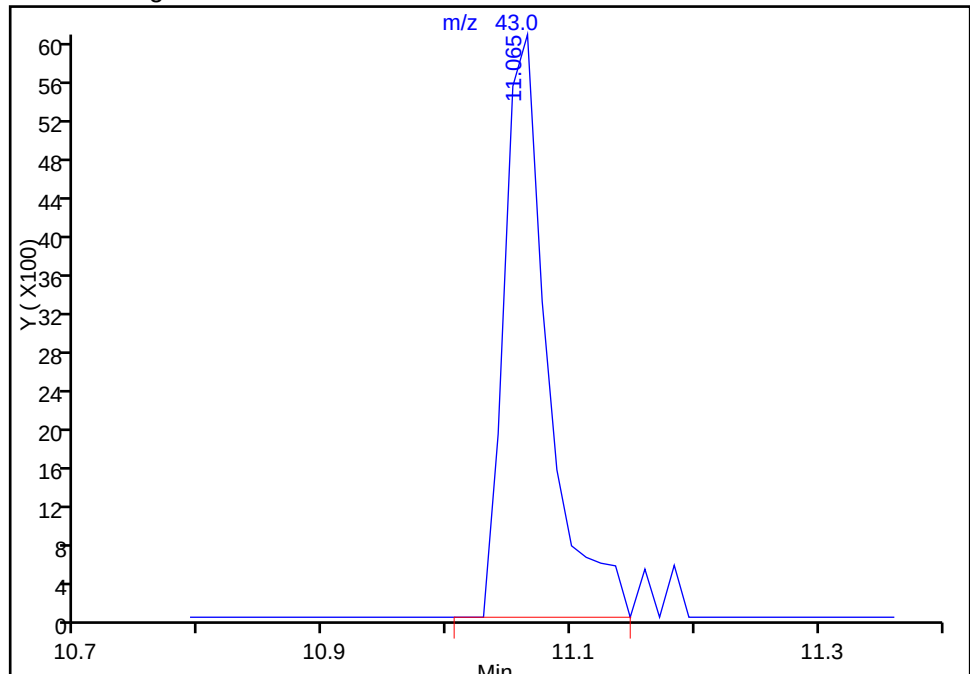
RT: 11.06

Area: 14801

Amount: 2.104241

Amount Units: ug/L

Manual Integration Results



Reviewer: goliszekg, 14-Dec-2015 07:24:40

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59582.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 11-Dec-2015 14:41:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0049159-005
 Operator ID: gtg Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Dec-2015 11:36:15 Calib Date: 11-Dec-2015 22:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: goliszekg

Date: 11-Dec-2015 16:03:09

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	9.369	9.369	0.000	98	122928	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	262076	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.780	0.012	96	247524	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	164209	25.0	25.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	98903	25.0	25.3	
\$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	549779	25.0	25.0	
\$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	88	186570	25.0	24.5	
10 Dichlorodifluoromethane	85	4.459	4.448	0.011	97	13186	1.00	1.04	
12 Chloromethane	50	4.851	4.851	0.000	98	14821	1.00	1.11	
13 Vinyl chloride	62	5.088	5.088	0.000	96	12312	1.00	1.06	
151 Butadiene	54	5.124	5.124	0.000	90	12141	1.00	1.01	
14 Bromomethane	94	5.693	5.693	0.000	95	8382	1.00	1.05	
15 Chloroethane	64	5.835	5.823	0.012	97	7911	1.00	1.07	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	97	20860	1.00	1.06	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	96	18820	1.00	1.02	
18 Ethyl ether	59	6.487	6.475	0.012	93	10029	1.00	1.06	
20 Acrolein	56	6.736	6.724	0.012	76	8443	5.00	5.27	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	10014	1.00	0.9864	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	9828	1.00	1.06	
23 Acetone	43	6.890	6.879	0.011	99	15398	5.00	5.42	
25 Iodomethane	142	7.056	7.056	0.000	96	19435	1.00	1.09	
26 Carbon disulfide	76	7.139	7.139	0.000	99	40443	1.00	1.11	
27 Methyl acetate	43	7.175	7.163	0.012	98	39777	5.00	5.57	
28 3-Chloro-1-propene	41	7.199	7.187	0.012	79	18900	1.00	1.12	
30 Methylene Chloride	84	7.341	7.341	0.000	98	21962	1.00	1.03	
31 2-Methyl-2-propanol	59	7.365	7.353	0.012	44	8887	10.0	9.48	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	98	32007	1.00	1.09	
34 trans-1,2-Dichloroethene	96	7.578	7.566	0.012	94	11279	1.00	1.15	
33 Acrylonitrile	53	7.590	7.578	0.012	96	38533	10.0	10.8	M
35 Hexane	57	7.721	7.709	0.012	93	17869	1.00	1.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.922	7.910	0.012	97	44134	2.00	2.12	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	20766	1.00	1.10	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	21767	5.00	5.05	
44 2,2-Dichloropropane	77	8.468	8.456	0.012	76	18022	1.00	1.17	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	86	12887	1.00	1.19	
48 Chlorobromomethane	128	8.693	8.693	0.000	94	5238	1.00	0.99	
50 Chloroform	83	8.705	8.705	0.000	93	22301	1.00	1.15	
49 Tetrahydrofuran	42	8.717	8.705	0.012	57	6112	2.00	1.99	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	97	18447	1.00	1.11	
52 Cyclohexane	56	8.906	8.906	0.000	92	20878	1.00	1.09	
53 Isobutyl alcohol	43	8.954	8.954	0.000	95	13531	25.0	30.1	
54 1,1-Dichloropropene	75	8.989	8.989	0.000	91	14374	1.00	1.04	
55 Carbon tetrachloride	117	9.013	9.013	0.000	96	15670	1.00	1.07	
57 Benzene	78	9.179	9.179	0.000	94	42627	1.00	1.11	
59 n-Heptane	43	9.191	9.191	0.000	92	18224	1.00	1.20	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	96	18391	1.00	1.12	
62 Trichloroethene	95	9.653	9.653	0.000	96	11911	1.00	1.13	
64 Methylcyclohexane	83	9.796	9.796	0.000	94	17156	1.00	1.10	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	90	11133	1.00	1.10	
66 1,4-Dioxane	88		9.926				ND	ND	
67 Dibromomethane	93	9.997	9.997	0.000	90	6864	1.00	1.05	
68 Dichlorobromomethane	83	10.069	10.069	0.001	97	14665	1.00	1.03	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	94	5973	1.00	0.9299	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	95	17182	1.00	1.07	
73 4-Methyl-2-pentanone (MIBK)	43	10.412	10.412	0.000	89	50843	5.00	5.07	
74 Toluene	92	10.650	10.650	0.000	97	27021	1.00	1.12	
75 Ethyl methacrylate	69	10.721	10.721	0.000	88	11787	1.00	1.01	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	15067	1.00	1.00	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	90	8276	1.00	1.11	
80 2-Hexanone	43	11.065	11.053	0.012	98	36753	5.00	5.30	M
81 Tetrachloroethene	166	11.088	11.088	0.000	96	12126	1.00	1.06	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	92	15538	1.00	1.03	
83 Chlorodibromomethane	129	11.337	11.337	0.000	87	11038	1.00	1.01	
84 Ethylene Dibromide	107	11.480	11.480	0.000	95	9551	1.00	0.99	
88 Ethylbenzene	91	11.812	11.800	0.012	96	54203	1.00	1.12	
87 Chlorobenzene	112	11.800	11.800	0.000	83	29897	1.00	1.05	
89 1,1,1,2-Tetrachloroethane	131	11.835	11.835	0.000	85	11406	1.00	1.05	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	19956	1.00	1.07	
91 o-Xylene	106	12.239	12.239	0.000	95	20039	1.00	1.07	
92 Styrene	104	12.251	12.250	0.000	88	30386	1.00	0.99	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	52209	1.00	1.08	
95 Bromoform	173	12.523	12.523	0.000	88	6319	1.00	0.9843	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	92	11818	1.00	1.06	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.820	0.012	37	4091	1.00	1.00	
99 N-Propylbenzene	91	12.855	12.855	0.000	97	59805	1.00	1.08	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	85	3486	1.00	0.9583	
101 Bromobenzene	156	12.915	12.915	0.000	90	12410	1.00	1.00	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	44764	1.00	1.09	
103 2-Chlorotoluene	126	13.021	13.021	0.000	95	11587	1.00	1.08	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	11585	1.00	1.02	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	9864	1.00	1.10	
107 1,2,4-Trimethylbenzene	105	13.341	13.341	0.000	95	44671	1.00	1.06	

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	13.496	13.496	0.000	95	55029	1.00	1.08	
110 4-Isopropyltoluene	119	13.591	13.590	0.000	96	46975	1.00	1.09	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	96	25514	1.00	1.07	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	95	27165	1.00	1.11	
115 n-Butylbenzene	91	14.006	14.006	0.000	97	41252	1.00	1.09	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	96	24971	1.00	1.07	
117 1,2-Dibromo-3-Chloropropan	75	15.108	15.108	0.000	71	3059	1.00	1.28	
119 1,2,4-Trichlorobenzene	180	16.152	16.140	0.012	90	15099	1.00	0.9668	
120 Hexachlorobutadiene	225	16.247	16.235	0.012	88	6181	1.00	0.99	
121 Naphthalene	128	16.579	16.579	0.000	97	31712	1.00	0.9318	
122 1,2,3-Trichlorobenzene	180	16.946	16.946	0.000	92	14909	1.00	0.99	
S 125 1,2-Dichloroethene, Total	1				0			2.33	
S 126 1,3-Dichloropropene, Total	1				0			2.08	
S 123 Total BTEX	1				0			5.48	
S 124 Xylenes, Total	1				0			2.14	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added: 1.00	Units: uL	
GAS CORP mix_00125	Amount Added: 1.00	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59582.D

Injection Date: 11-Dec-2015 14:41:30

Instrument ID: HP5973C

Operator ID: gtg

Lims ID: IC

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

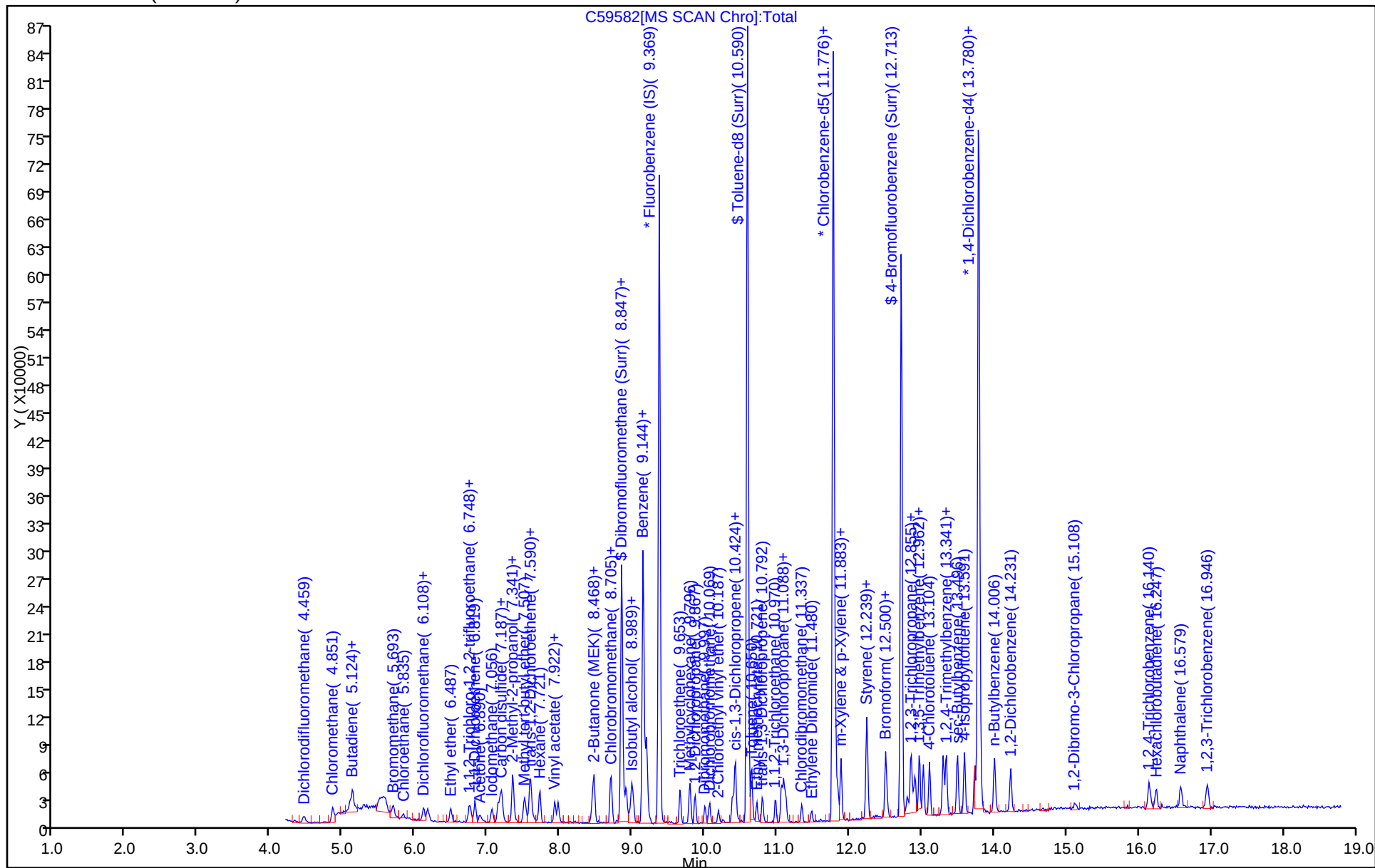
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59582.D

Injection Date: 11-Dec-2015 14:41:30

Instrument ID: HP5973C

Lims ID: IC

Client ID:

Operator ID: gtg

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

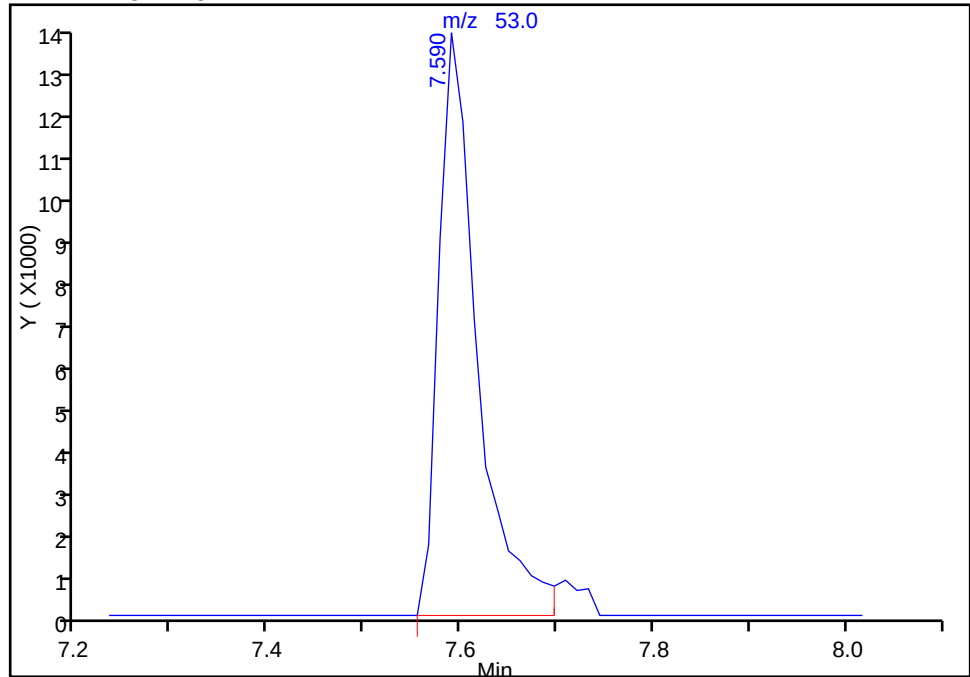
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

33 Acrylonitrile, CAS: 107-13-1

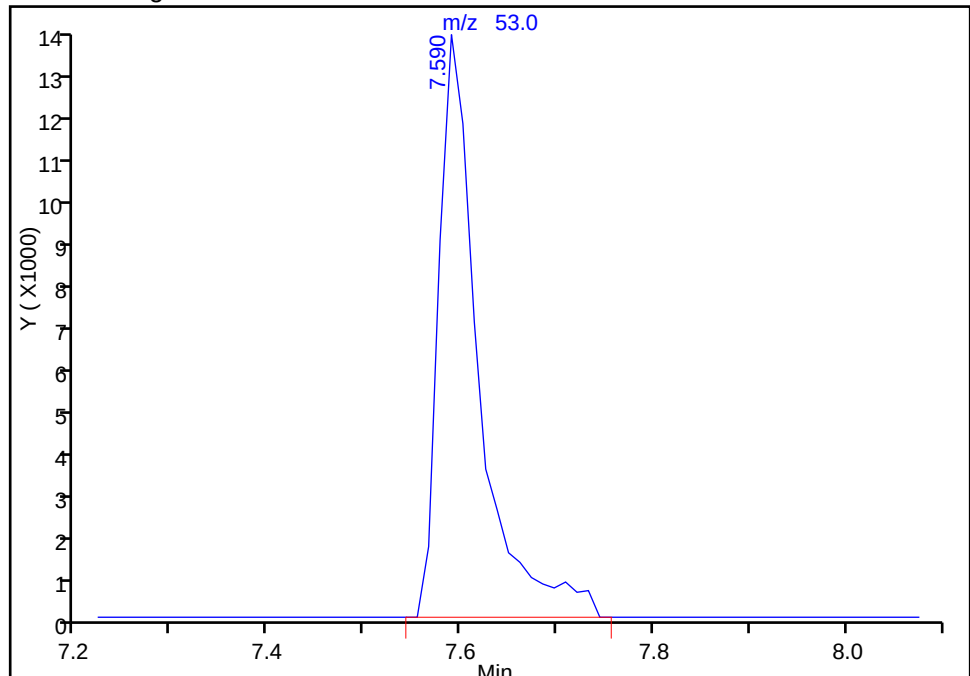
RT: 7.59
Area: 37130
Amount: 10.542457
Amount Units: ug/L

Processing Integration Results



RT: 7.59
Area: 38533
Amount: 10.843081
Amount Units: ug/L

Manual Integration Results



Reviewer: goliszekg, 14-Dec-2015 07:25:29

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59582.D

Injection Date: 11-Dec-2015 14:41:30

Instrument ID: HP5973C

Lims ID: IC

Client ID:

Operator ID: gtg

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

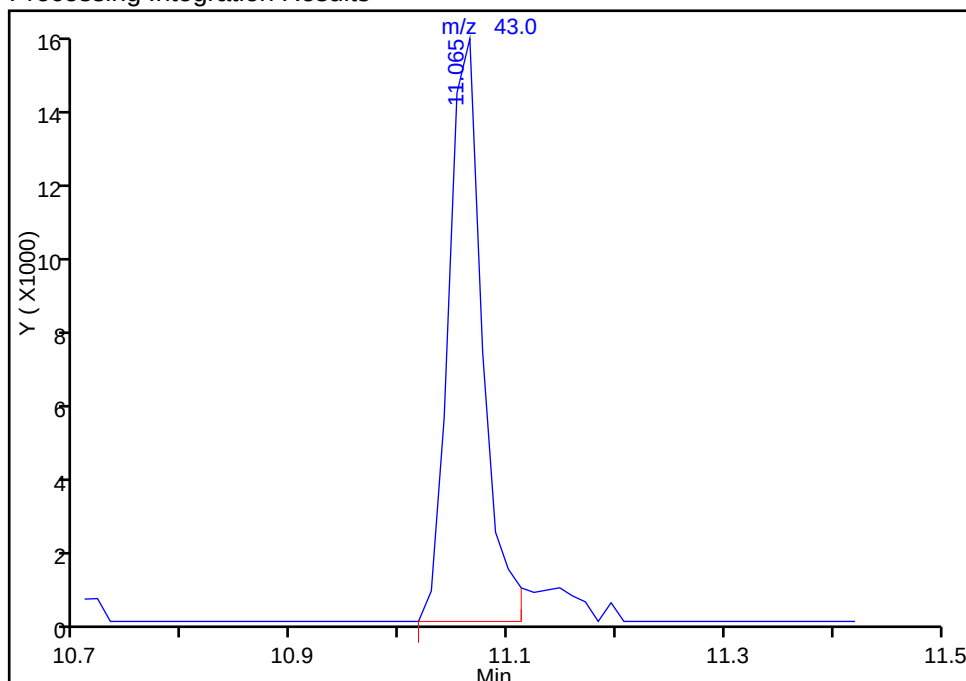
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

80 2-Hexanone, CAS: 591-78-6

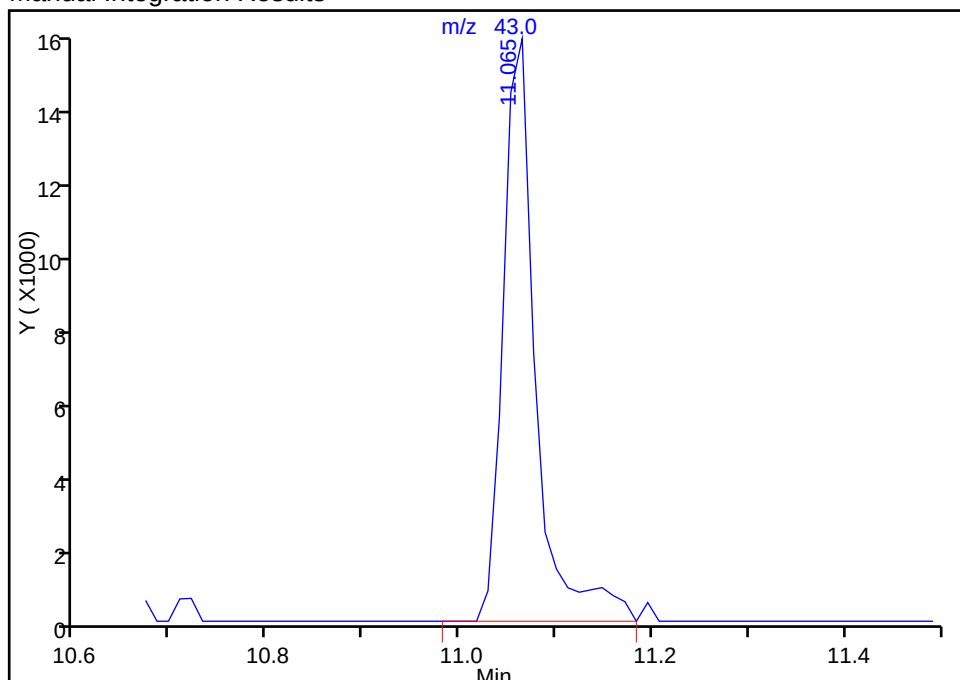
RT: 11.06
Area: 34101
Amount: 5.003609
Amount Units: ug/L

Processing Integration Results



RT: 11.06
Area: 36753
Amount: 5.301413
Amount Units: ug/L

Manual Integration Results



Reviewer: goliszekg, 14-Dec-2015 07:24:27

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 11-Dec-2015 15:07:30 ALS Bottle#: 6 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0049159-006
 Operator ID: gtg Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Dec-2015 11:36:21 Calib Date: 11-Dec-2015 22:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: goliszekg

Date: 12-Dec-2015 14:33:01

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	9.369	9.369	0.000	98	125780	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	260495	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	246720	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	164694	25.0	24.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	96571	25.0	24.1	
\$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	548788	25.0	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	86	186563	25.0	24.7	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	97	27942	2.00	2.14	
12 Chloromethane	50	4.851	4.851	0.000	99	28428	2.00	2.08	
13 Vinyl chloride	62	5.088	5.088	0.000	96	25517	2.00	2.15	
151 Butadiene	54	5.124	5.124	0.000	89	26808	2.00	2.18	
14 Bromomethane	94	5.681	5.693	-0.012	92	16410	2.00	2.01	
15 Chloroethane	64	5.823	5.823	0.000	97	16139	2.00	2.13	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	98	41246	2.00	2.05	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	98	39566	2.00	2.10	
18 Ethyl ether	59	6.476	6.475	0.001	94	19256	2.00	1.99	
20 Acrolein	56	6.736	6.724	0.012	78	15384	10.0	9.38	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	20927	2.00	2.01	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	19267	2.00	2.04	
23 Acetone	43	6.879	6.879	0.000	100	28550	10.0	9.83	
25 Iodomethane	142	7.057	7.056	0.001	99	35625	2.00	1.95	
26 Carbon disulfide	76	7.140	7.139	0.001	100	75474	2.00	2.02	
27 Methyl acetate	43	7.175	7.163	0.012	98	70567	10.0	9.65	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	79	34674	2.00	2.00	
30 Methylene Chloride	84	7.341	7.341	0.000	99	30043	2.00	1.80	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	52	17981	20.0	18.7	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	98	57932	2.00	1.92	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	94	20773	2.00	2.06	
33 Acrylonitrile	53	7.590	7.578	0.012	99	73559	20.0	20.2	M
35 Hexane	57	7.709	7.709	0.000	92	33597	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
37 Vinyl acetate	43	7.922	7.910	0.012	98	77622	4.00	3.65	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	96	37737	2.00	1.95	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	42799	10.0	9.71	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	89	31707	2.00	2.00	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	21166	2.00	1.91	
48 Chlorobromomethane	128	8.693	8.693	0.000	93	10557	2.00	1.95	
50 Chloroform	83	8.705	8.705	0.000	97	39604	2.00	2.00	
49 Tetrahydrofuran	42	8.705	8.705	0.000	60	14864	4.00	4.72	M
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	97	33811	2.00	1.99	
52 Cyclohexane	56	8.907	8.906	0.001	90	42082	2.00	2.15	
53 Isobutyl alcohol	43	8.954	8.954	0.000	91	23078	50.0	50.1	
54 1,1-Dichloropropene	75	8.990	8.989	0.001	94	28745	2.00	2.04	
55 Carbon tetrachloride	117	9.001	9.013	-0.012	97	30504	2.00	2.03	
57 Benzene	78	9.179	9.179	0.000	96	80119	2.00	2.03	
59 n-Heptane	43	9.191	9.191	0.000	93	34002	2.00	2.19	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	96	33916	2.00	2.02	
62 Trichloroethene	95	9.654	9.653	0.001	94	21657	2.00	2.00	
64 Methylcyclohexane	83	9.796	9.796	0.000	97	33480	2.00	2.09	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	90	20314	2.00	1.96	
66 1,4-Dioxane	88	9.938	9.926	0.012	0	879	40.0	29.4	M
67 Dibromomethane	93	9.998	9.997	0.001	96	14187	2.00	2.11	
68 Dichlorobromomethane	83	10.069	10.069	0.001	97	29042	2.00	1.99	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	92	13378	2.00	2.04	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	97	32691	2.00	1.99	
73 4-Methyl-2-pentanone (MIBK)	43	10.413	10.412	0.001	97	98572	10.0	9.89	
74 Toluene	92	10.650	10.650	0.000	97	49619	2.00	2.06	
75 Ethyl methacrylate	69	10.721	10.721	0.000	92	21220	2.00	1.82	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	29063	2.00	1.95	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	93	14017	2.00	1.89	
80 2-Hexanone	43	11.053	11.053	0.000	95	66386	10.0	9.63	M
81 Tetrachloroethene	166	11.089	11.088	0.001	95	22584	2.00	1.99	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	94	30328	2.00	2.02	
83 Chlorodibromomethane	129	11.338	11.337	0.001	91	20108	2.00	1.86	
84 Ethylene Dibromide	107	11.468	11.480	-0.012	94	20090	2.00	2.10	
88 Ethylbenzene	91	11.800	11.800	0.000	96	97937	2.00	2.04	
87 Chlorobenzene	112	11.800	11.800	0.000	88	57788	2.00	2.04	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.835	0.001	90	20668	2.00	1.91	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	36963	2.00	1.99	
91 o-Xylene	106	12.239	12.239	0.000	97	38284	2.00	2.06	
92 Styrene	104	12.251	12.250	0.001	93	60719	2.00	2.00	
94 Isopropylbenzene	105	12.500	12.500	0.000	95	100284	2.00	2.09	
95 Bromoform	173	12.523	12.523	0.000	91	11310	2.00	1.77	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	22827	2.00	2.06	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.820	0.012	78	7189	2.00	1.76	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	112059	2.00	2.03	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	7803	2.00	2.15	
101 Bromobenzene	156	12.915	12.915	0.000	97	25115	2.00	2.04	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	93	84671	2.00	2.07	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	22371	2.00	2.10	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	23342	2.00	2.06	
106 tert-Butylbenzene	134	13.294	13.294	0.000	93	17773	2.00	2.00	
107 1,2,4-Trimethylbenzene	105	13.342	13.341	0.001	95	86632	2.00	2.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	105213	2.00	2.08	
110 4-Isopropyltoluene	119	13.591	13.590	0.001	96	87319	2.00	2.03	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	97	48238	2.00	2.03	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	93	49396	2.00	2.02	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	76995	2.00	2.03	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	92	45224	2.00	1.95	
117 1,2-Dibromo-3-Chloropropan	75	15.120	15.108	0.012	74	5116	2.00	2.14	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	93	30999	2.00	1.99	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	88	12049	2.00	1.95	
121 Naphthalene	128	16.579	16.579	0.000	98	61144	2.00	1.80	
122 1,2,3-Trichlorobenzene	180	16.947	16.946	0.001	91	29027	2.00	1.94	
S 125 1,2-Dichloroethene, Total	1				0			3.97	
S 126 1,3-Dichloropropene, Total	1				0			3.94	
S 123 Total BTEX	1				0			10.2	
S 124 Xylenes, Total	1				0			4.04	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061

Amount Added: 2.00

Units: uL

GAS CORP mix_00125

Amount Added: 2.00

Units: uL

C_8260_IS_00064

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00067

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D

Injection Date: 11-Dec-2015 15:07:30

Instrument ID: HP5973C

Operator ID: gtg

Lims ID: IC 2

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

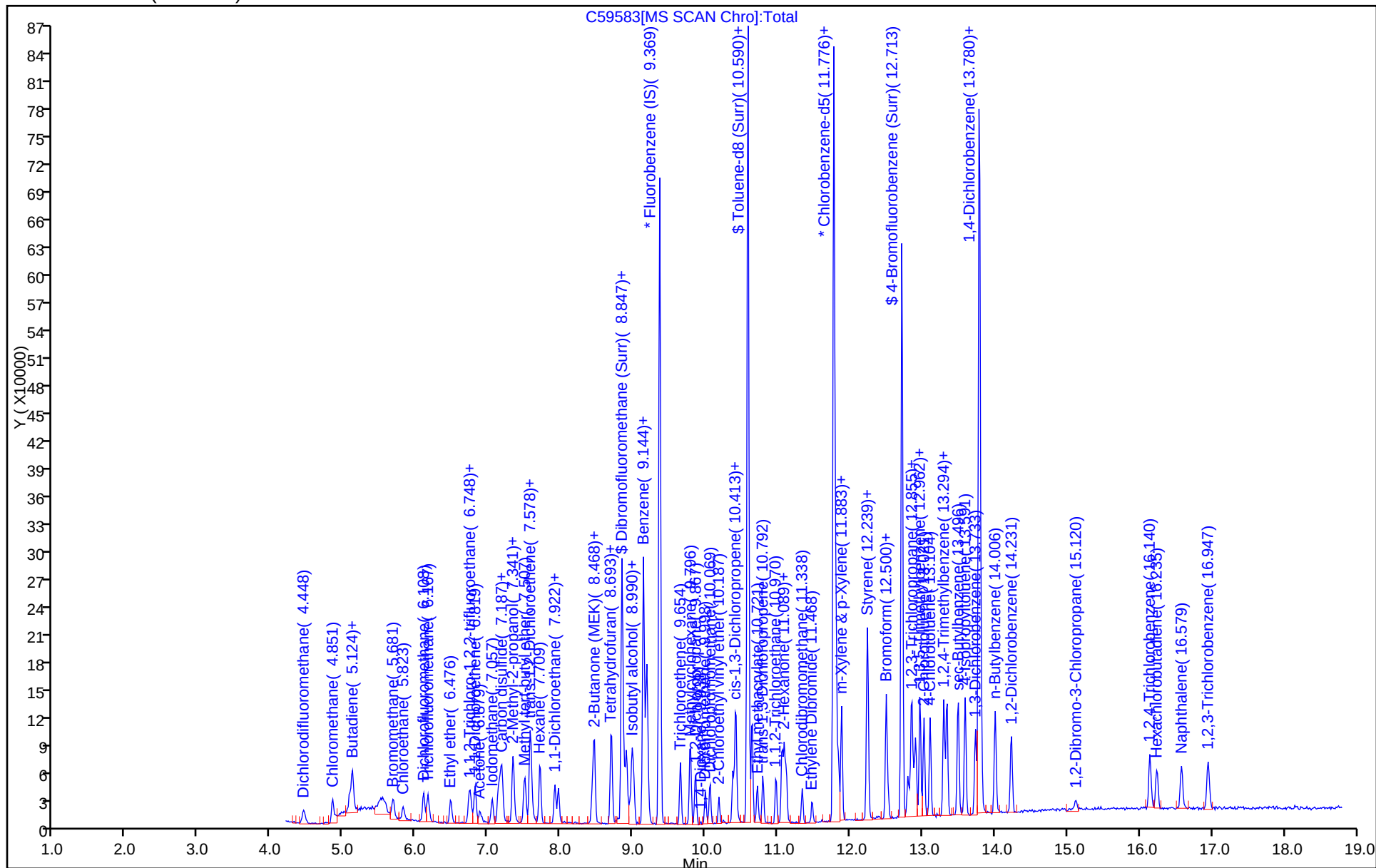
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D

Injection Date: 11-Dec-2015 15:07:30

Instrument ID: HP5973C

Lims ID: IC 2

Client ID:

Operator ID: gtg

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

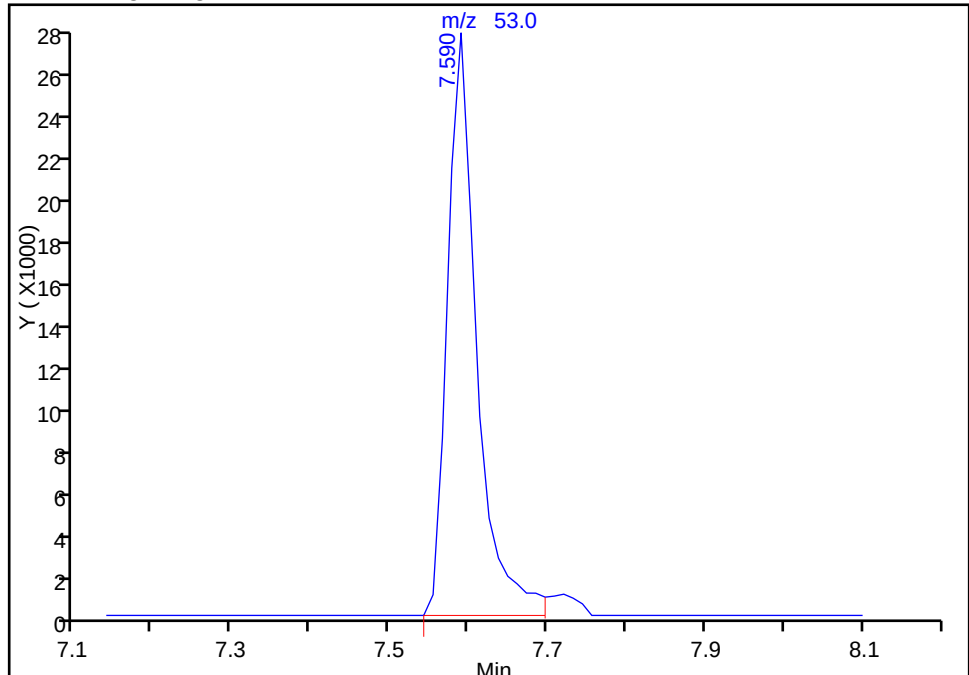
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

33 Acrylonitrile, CAS: 107-13-1

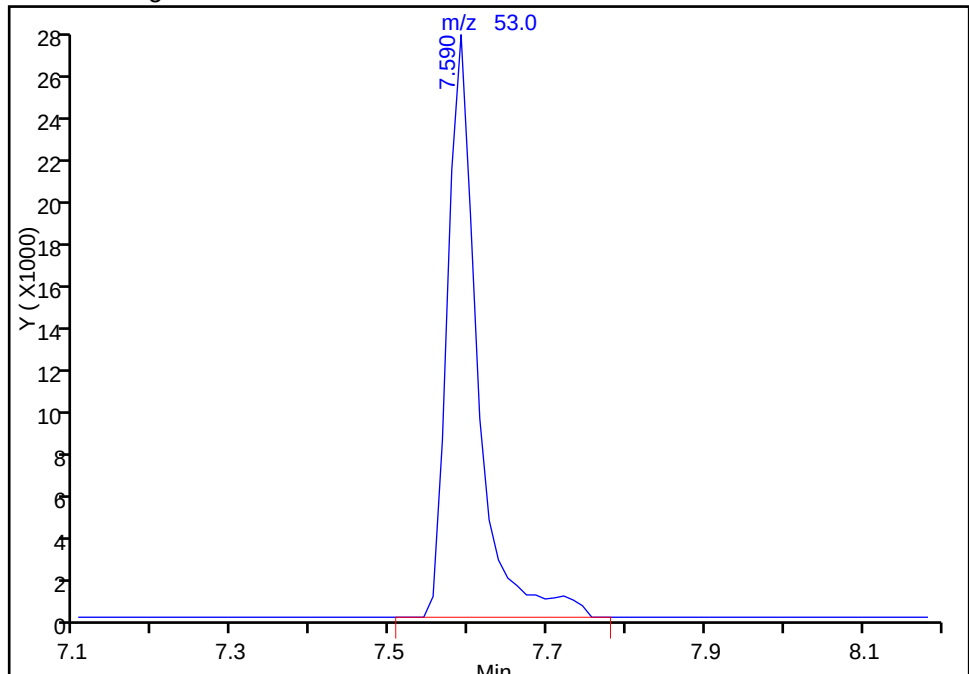
RT: 7.59
Area: 71233
Amount: 19.668904
Amount Units: ug/L

Processing Integration Results



RT: 7.59
Area: 73559
Amount: 20.229955
Amount Units: ug/L

Manual Integration Results



Reviewer: goliszekg, 14-Dec-2015 07:26:52

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D

Injection Date: 11-Dec-2015 15:07:30

Instrument ID: HP5973C

Lims ID: IC 2

Client ID:

Operator ID: gtg

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

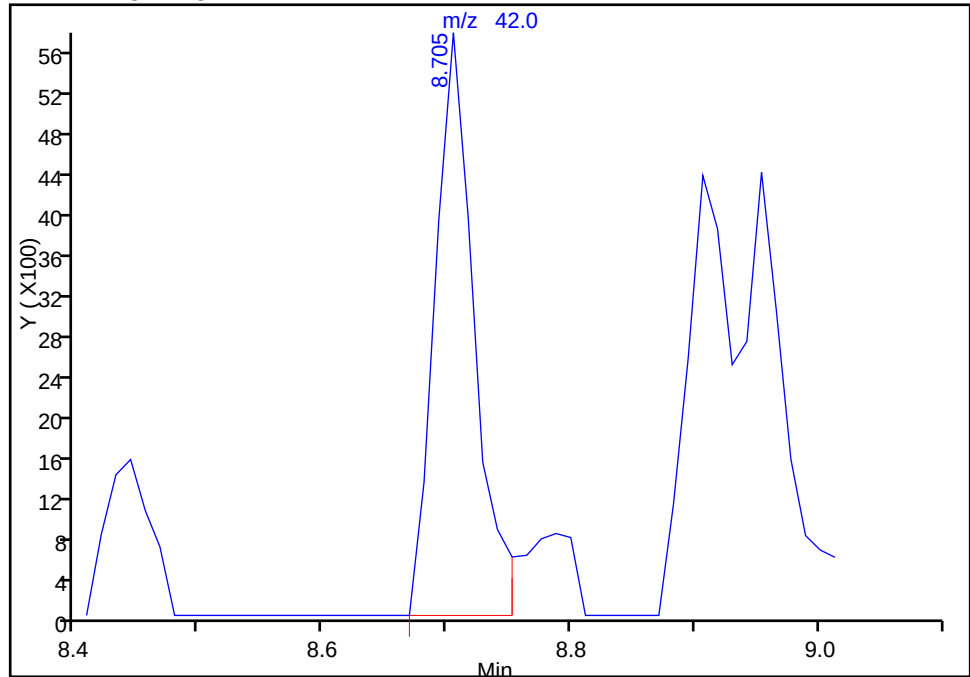
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

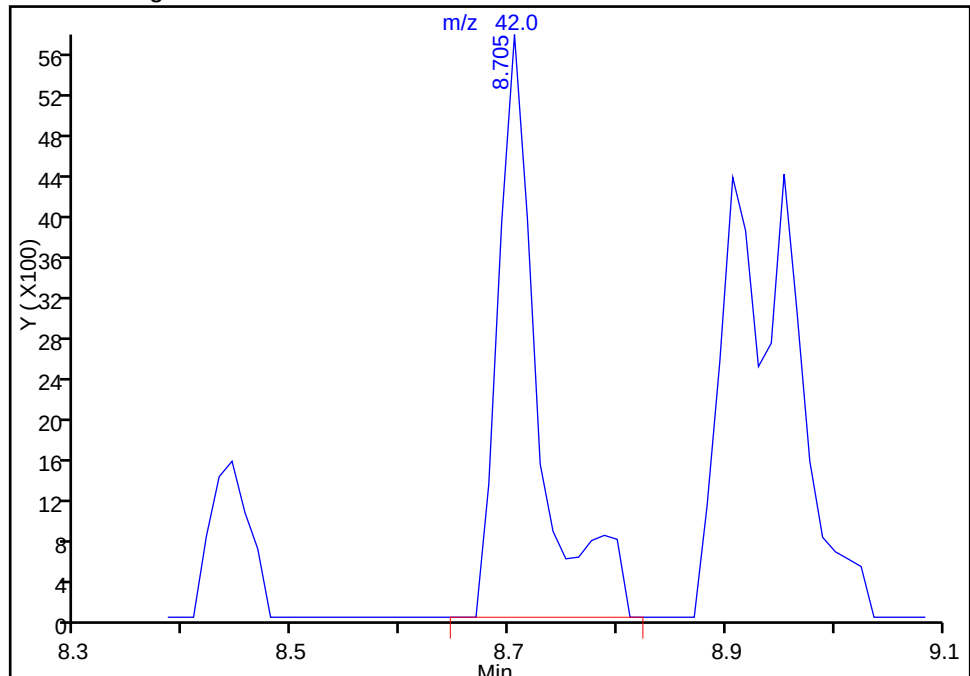
RT: 8.70
Area: 12769
Amount: 4.223486
Amount Units: ug/L

Processing Integration Results



RT: 8.70
Area: 14864
Amount: 4.723692
Amount Units: ug/L

Manual Integration Results



Reviewer: goliszekg, 14-Dec-2015 07:26:52

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D

Injection Date: 11-Dec-2015 15:07:30

Instrument ID: HP5973C

Lims ID: IC 2

Client ID:

Operator ID: gtg

ALS Bottle#: 6

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

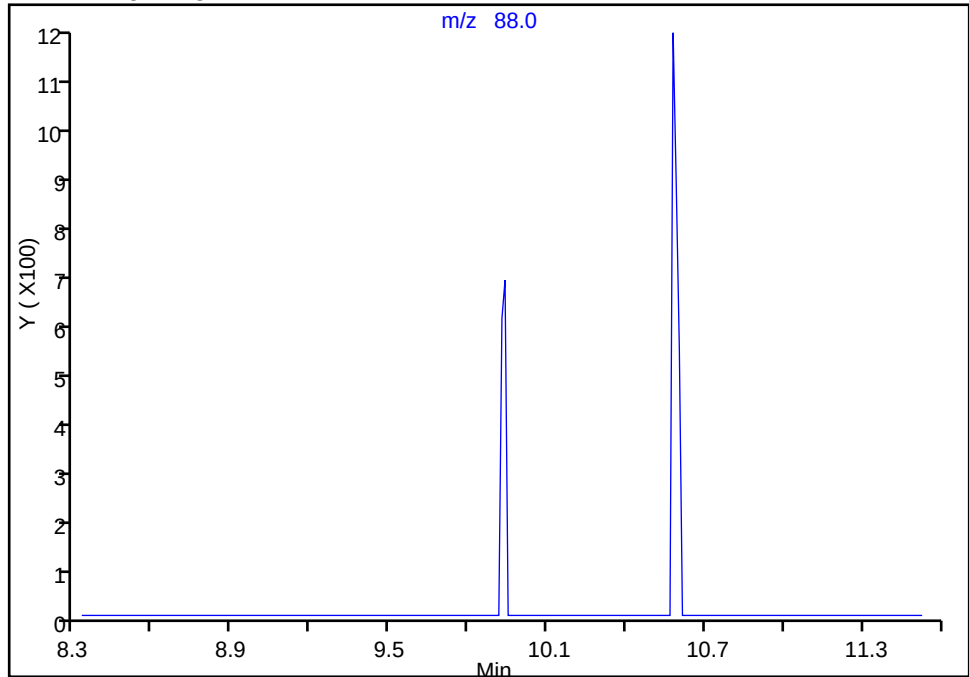
Detector: MS SCAN

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

Not Detected

Expected RT: 9.93

Processing Integration Results



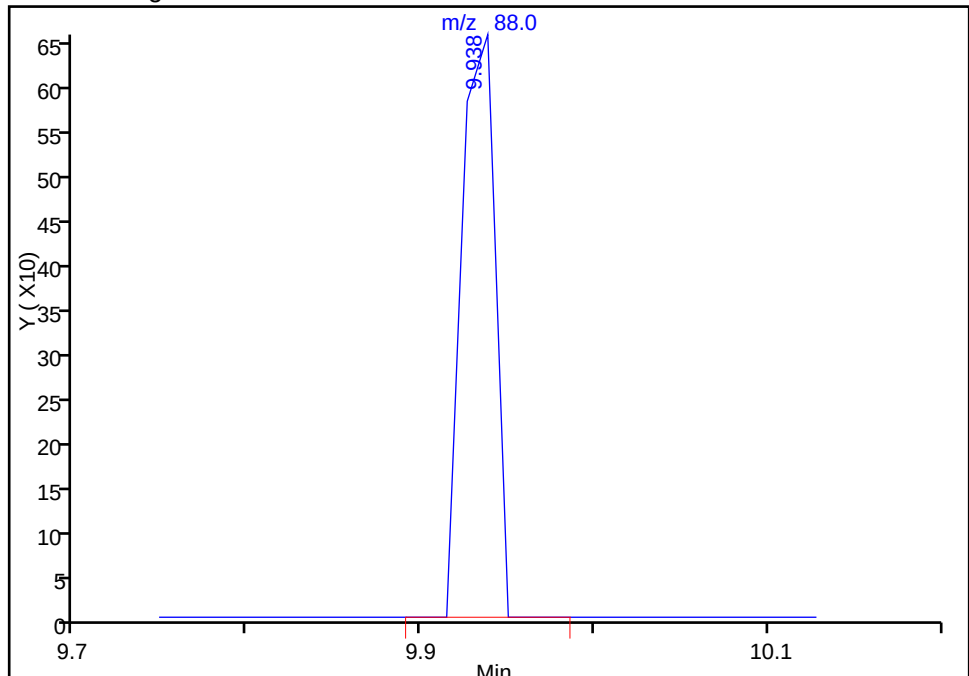
RT: 9.94

Area: 879

Amount: 29.441910

Amount Units: ug/L

Manual Integration Results



Reviewer: goliszekg, 14-Dec-2015 07:26:52

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59583.D

Injection Date: 11-Dec-2015 15:07:30

Instrument ID: HP5973C

Lims ID: IC 2

Client ID:

Operator ID: gtg

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

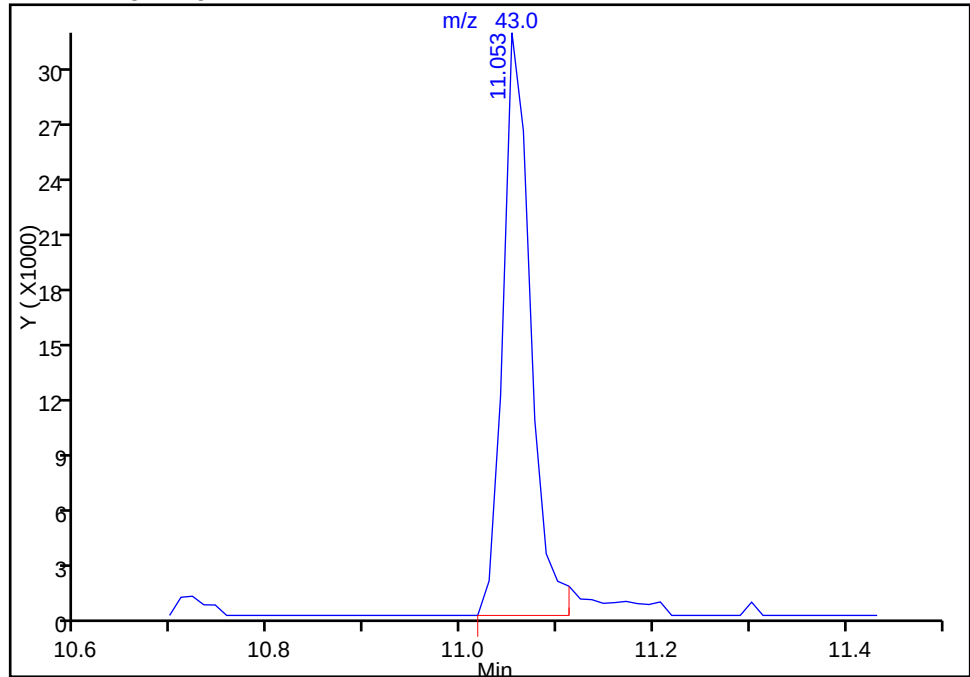
Detector

MS SCAN

80 2-Hexanone, CAS: 591-78-6

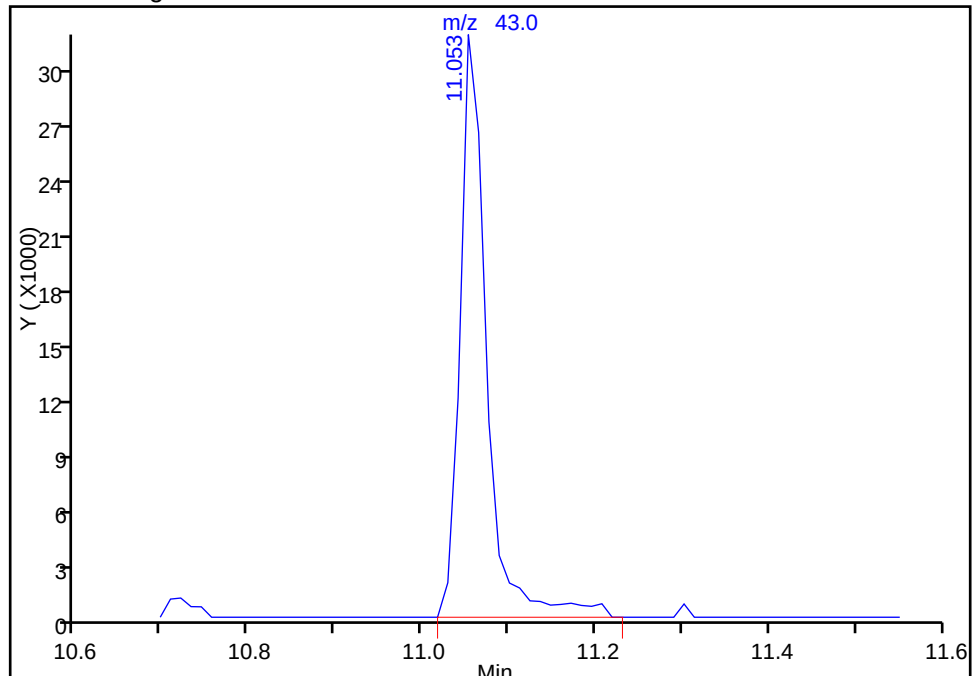
RT: 11.05
Area: 62313
Amount: 9.110161
Amount Units: ug/L

Processing Integration Results



RT: 11.05
Area: 66386
Amount: 9.633924
Amount Units: ug/L

Manual Integration Results



Reviewer: goliszekg, 14-Dec-2015 07:26:52

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59584.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Dec-2015 15:58:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0049159-007
 Operator ID: gtg Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Dec-2015 11:36:27 Calib Date: 11-Dec-2015 22:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: goliszekg

Date: 12-Dec-2015 14:33:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	124682	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	90	258461	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.792	0.000	96	249388	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	164539	25.0	24.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	95842	25.0	24.1	
\$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	545675	25.0	25.1	
\$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	89	190003	25.0	25.3	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	99	68873	5.00	5.33	
12 Chloromethane	50	4.839	4.839	0.000	98	67311	5.00	4.97	
13 Vinyl chloride	62	5.076	5.076	0.000	97	60991	5.00	5.19	
151 Butadiene	54	5.124	5.124	0.000	90	61507	5.00	5.04	
14 Bromomethane	94	5.669	5.669	0.000	92	41732	5.00	5.17	
15 Chloroethane	64	5.823	5.823	0.000	99	39844	5.00	5.31	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	98	101423	5.00	5.10	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	97	100135	5.00	5.36	
18 Ethyl ether	59	6.475	6.475	0.000	94	47681	5.00	4.97	
20 Acrolein	56	6.724	6.724	0.000	98	36038	25.0	22.2	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	54371	5.00	5.28	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	47858	5.00	5.11	
23 Acetone	43	6.879	6.879	0.000	98	67910	25.0	23.6	
25 Iodomethane	142	7.045	7.045	0.000	98	90709	5.00	5.02	
26 Carbon disulfide	76	7.140	7.140	0.000	99	188874	5.00	5.10	
27 Methyl acetate	43	7.163	7.163	0.000	98	168697	25.0	23.3	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	79	85486	5.00	4.99	
30 Methylene Chloride	84	7.341	7.341	0.000	98	63925	5.00	5.28	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	98	49610	50.0	52.2	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	98	147612	5.00	4.93	
34 trans-1,2-Dichloroethene	96	7.566	7.566	0.000	94	49693	5.00	4.98	
33 Acrylonitrile	53	7.578	7.578	0.000	99	174657	50.0	48.5	
35 Hexane	57	7.709	7.709	0.000	93	79550	5.00	5.13	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	97	196465	10.0	9.32	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	100710	5.00	5.24	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	109341	25.0	25.0	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	89	81591	5.00	5.20	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	55801	5.00	5.07	
48 Chlorobromomethane	128	8.693	8.693	0.000	94	28661	5.00	5.35	
50 Chloroform	83	8.705	8.705	0.000	96	98075	5.00	4.98	
49 Tetrahydrofuran	42	8.705	8.705	0.000	52	32166	10.0	10.3	M
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	88123	5.00	5.24	
52 Cyclohexane	56	8.906	8.906	0.000	92	105269	5.00	5.43	
53 Isobutyl alcohol	43	8.954	8.954	0.000	96	50081	125.0	109.7	
54 1,1-Dichloropropene	75	8.978	8.978	0.000	94	71288	5.00	5.11	
55 Carbon tetrachloride	117	9.001	9.001	0.000	96	80398	5.00	5.40	
57 Benzene	78	9.179	9.179	0.000	97	199077	5.00	5.10	
59 n-Heptane	43	9.191	9.191	0.000	94	73499	5.00	4.78	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	81864	5.00	4.92	
62 Trichloroethene	95	9.654	9.654	0.000	94	53953	5.00	5.03	
64 Methylcyclohexane	83	9.796	9.796	0.000	96	84789	5.00	5.34	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	91	53902	5.00	5.24	
66 1,4-Dioxane	88	9.938	9.938	0.000	0	5983	100.0	128.7	M
67 Dibromomethane	93	9.997	9.997	0.000	93	34829	5.00	5.23	
68 Dichlorobromomethane	83	10.057	10.057	0.000	97	73129	5.00	5.06	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	92	32595	5.00	5.00	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	96	80746	5.00	4.97	
73 4-Methyl-2-pentanone (MIBK)	43	10.412	10.412	0.000	97	242968	25.0	24.6	
74 Toluene	92	10.650	10.650	0.000	97	126488	5.00	5.29	
75 Ethyl methacrylate	69	10.721	10.721	0.000	90	56572	5.00	4.90	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	74855	5.00	5.06	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	94	37239	5.00	5.07	
80 2-Hexanone	43	11.053	11.053	0.000	97	161891	25.0	23.7	
81 Tetrachloroethene	166	11.088	11.088	0.000	95	59365	5.00	5.28	
82 1,3-Dichloropropane	76	11.112	11.112	0.000	96	77415	5.00	5.19	
83 Chlorodibromomethane	129	11.337	11.337	0.000	89	54497	5.00	5.07	
84 Ethylene Dibromide	107	11.480	11.480	0.000	98	48062	5.00	5.07	
88 Ethylbenzene	91	11.812	11.812	0.000	97	242338	5.00	5.09	
87 Chlorobenzene	112	11.800	11.800	0.000	87	145561	5.00	5.19	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	90	57696	5.00	5.37	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	97888	5.00	5.31	
91 o-Xylene	106	12.239	12.239	0.000	98	95633	5.00	5.18	
92 Styrene	104	12.251	12.251	0.000	94	155933	5.00	5.17	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	253803	5.00	5.23	
95 Bromoform	173	12.523	12.523	0.000	93	31355	5.00	4.95	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	56353	5.00	5.02	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.832	0.000	81	20763	5.00	5.03	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	281944	5.00	5.05	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	84	19612	5.00	5.35	
101 Bromobenzene	156	12.915	12.915	0.000	92	64438	5.00	5.17	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	215472	5.00	5.20	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	57394	5.00	5.32	
105 4-Chlorotoluene	126	13.104	13.104	0.000	99	58007	5.00	5.06	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	47570	5.00	5.29	
107 1,2,4-Trimethylbenzene	105	13.342	13.342	0.000	94	225098	5.00	5.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	271164	5.00	5.30	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	96	229151	5.00	5.27	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	97	121966	5.00	5.08	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	94	123139	5.00	4.98	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	201429	5.00	5.26	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	96	119592	5.00	5.11	
117 1,2-Dibromo-3-Chloropropan	75	15.120	15.120	0.000	82	11740	5.00	4.87	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	82181	5.00	5.22	
120 Hexachlorobutadiene	225	16.247	16.247	0.000	93	35927	5.00	5.74	
121 Naphthalene	128	16.579	16.579	0.000	98	168846	5.00	4.92	
122 1,2,3-Trichlorobenzene	180	16.947	16.947	0.000	95	74537	5.00	4.94	
S 125 1,2-Dichloroethene, Total	1				0			10.0	
S 126 1,3-Dichloropropene, Total	1				0			10.0	
S 123 Total BTEX	1				0			26.0	
S 124 Xylenes, Total	1				0			10.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061

Amount Added: 5.00

Units: uL

GAS CORP mix_00125

Amount Added: 5.00

Units: uL

C_8260_IS_00064

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00067

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20151211-49159.b\\C59584.D

Injection Date: 11-Dec-2015 15:58:30

Instrument ID: HP5973C

Operator ID: gtg

Lims ID: IC 3

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

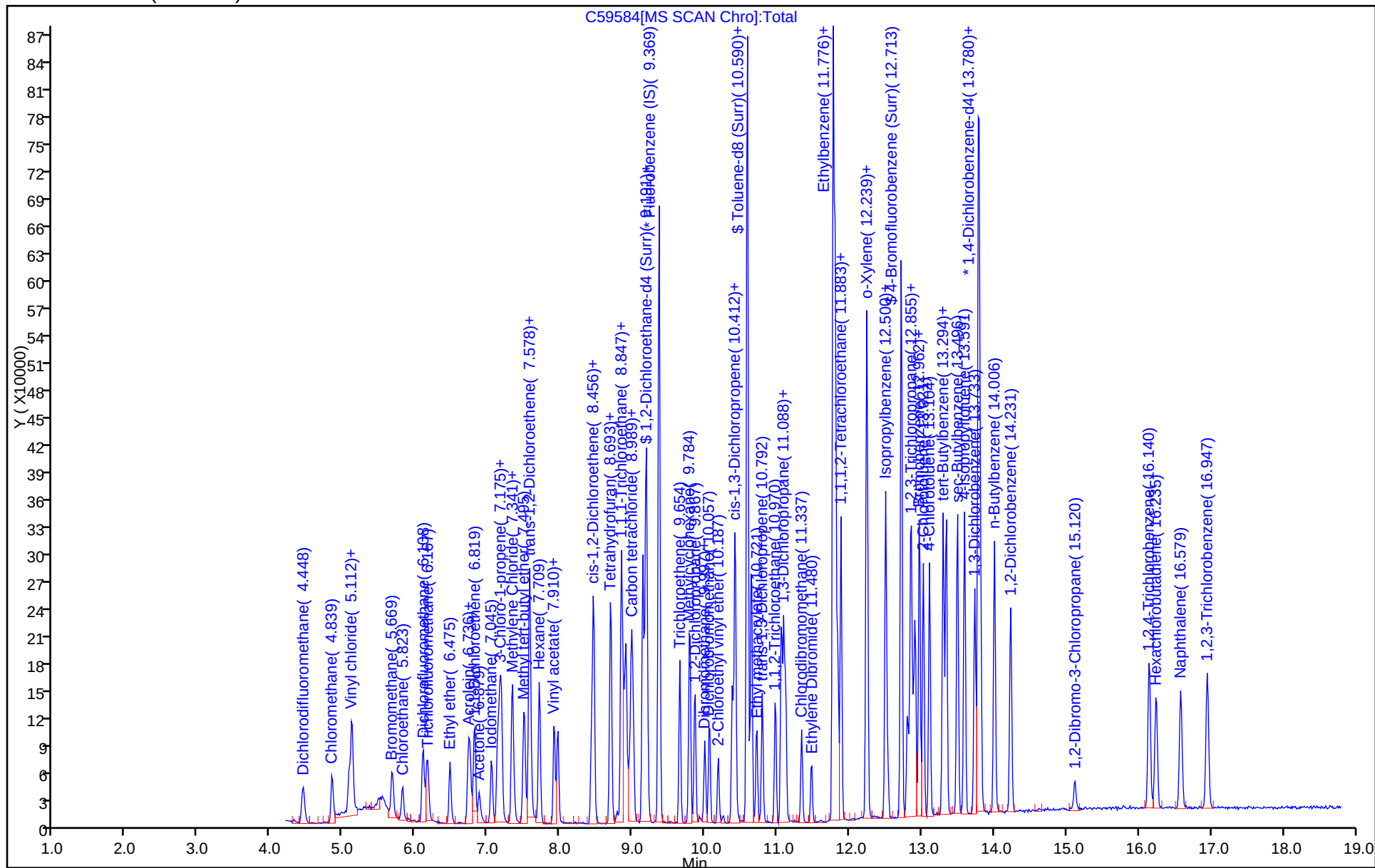
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59584.D

Injection Date: 11-Dec-2015 15:58:30

Instrument ID: HP5973C

Lims ID: IC 3

Client ID:

Operator ID: gtg

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

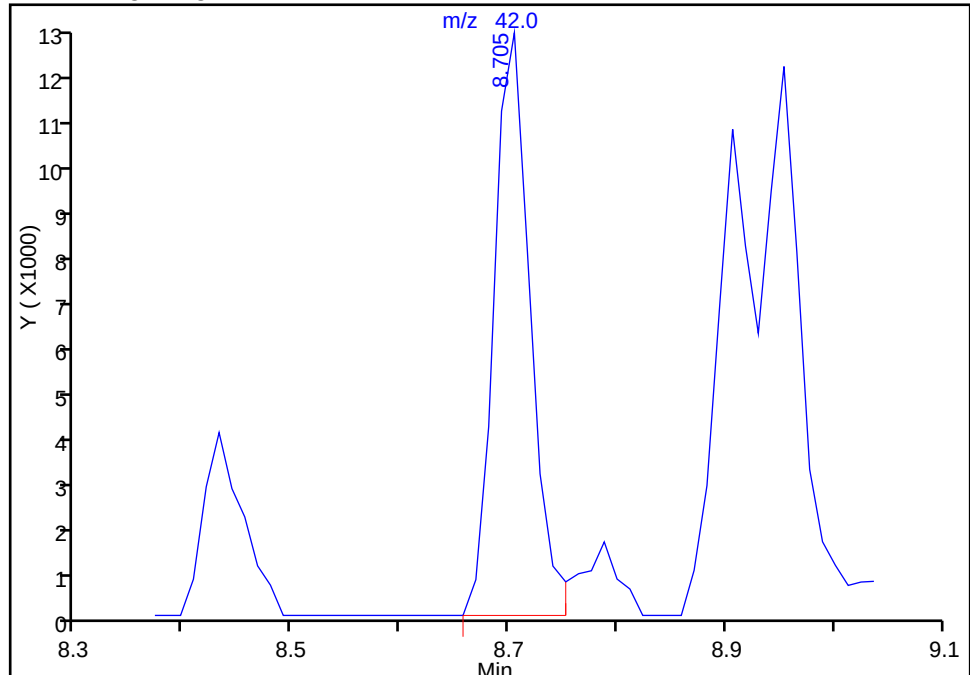
Detector

MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

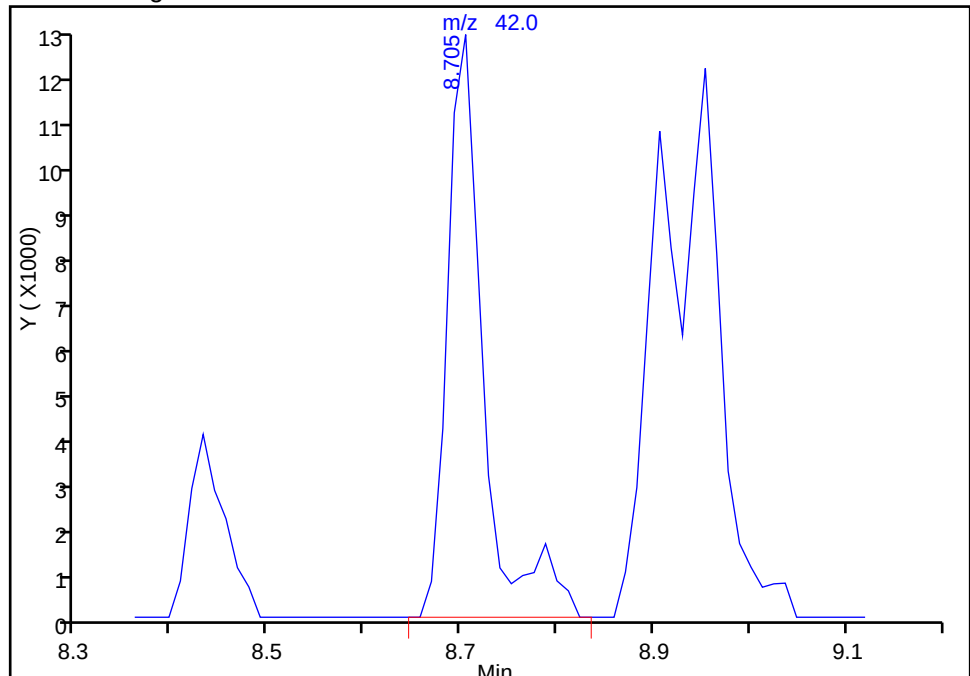
RT: 8.70
Area: 28798
Amount: 9.377073
Amount Units: ug/L

Processing Integration Results



RT: 8.70
Area: 32166
Amount: 10.312187
Amount Units: ug/L

Manual Integration Results



Reviewer: goliszekg, 14-Dec-2015 07:27:59

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59584.D

Injection Date: 11-Dec-2015 15:58:30

Instrument ID: HP5973C

Lims ID: IC 3

Client ID:

Operator ID: gtg

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: C-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

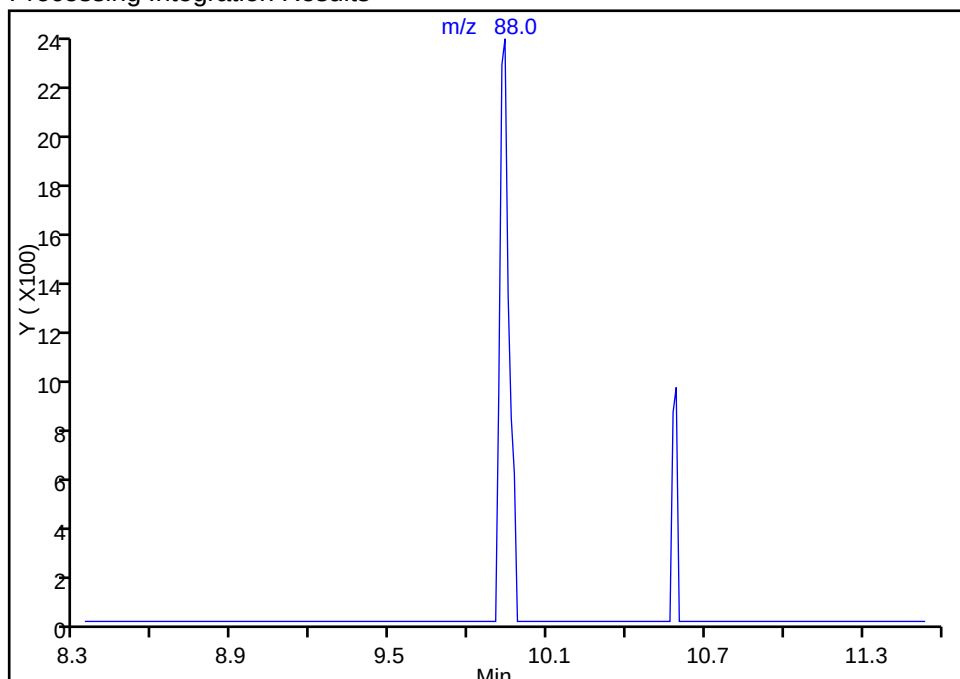
MS SCAN

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

Not Detected

Expected RT: 9.94

Processing Integration Results



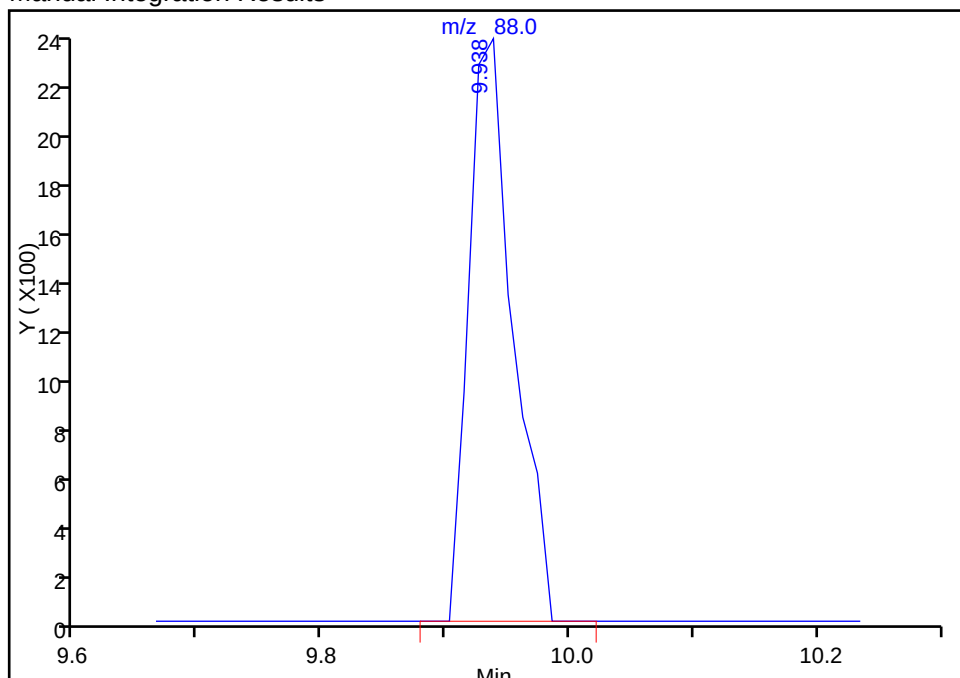
RT: 9.94

Area: 5983

Amount: 128.7223

Amount Units: ug/L

Manual Integration Results



Reviewer: goliszekg, 14-Dec-2015 07:27:59

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59585.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 11-Dec-2015 16:23:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0049159-008
 Operator ID: gtg Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Dec-2015 11:36:32 Calib Date: 11-Dec-2015 22:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: goliszekg

Date: 14-Dec-2015 08:29:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	124794	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	262097	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.792	0.000	96	254517	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	164856	25.0	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	99673	25.0	25.1	
\$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	554801	25.0	25.2	
\$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	89	191968	25.0	25.2	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	99	128034	10.0	9.90	
12 Chloromethane	50	4.839	4.839	0.000	99	123474	10.0	9.11	
13 Vinyl chloride	62	5.076	5.076	0.000	97	114760	10.0	9.76	
151 Butadiene	54	5.124	5.124	0.000	91	114226	10.0	9.34	
14 Bromomethane	94	5.681	5.669	0.012	93	78757	10.0	9.74	
15 Chloroethane	64	5.823	5.823	0.000	99	72948	10.0	9.72	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	98	189803	10.0	9.53	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	99	185448	10.0	9.92	
18 Ethyl ether	59	6.476	6.475	0.001	94	92829	10.0	9.66	
20 Acrolein	56	6.725	6.724	0.001	99	81993	50.0	50.4	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	102186	10.0	9.92	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	94	89583	10.0	9.56	
23 Acetone	43	6.879	6.879	0.000	99	135788	50.0	47.1	
25 Iodomethane	142	7.057	7.045	0.012	99	174871	10.0	9.66	
26 Carbon disulfide	76	7.140	7.140	0.000	100	369103	10.0	9.96	
27 Methyl acetate	43	7.163	7.163	0.000	99	354504	50.0	48.9	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	80	161055	10.0	9.39	
30 Methylene Chloride	84	7.341	7.341	0.000	98	111404	10.0	10.1	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	98	93406	100.0	98.1	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	98	295444	10.0	9.87	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	94	98292	10.0	9.83	
33 Acrylonitrile	53	7.578	7.578	0.000	98	359064	100.0	99.5	
35 Hexane	57	7.709	7.709	0.000	92	152333	10.0	9.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	98	399500	20.0	18.9	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	187155	10.0	9.73	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	100	211935	50.0	48.5	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	92	149748	10.0	9.54	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	87	108818	10.0	9.88	
48 Chlorobromomethane	128	8.693	8.693	0.000	95	53939	10.0	10.1	
50 Chloroform	83	8.705	8.705	0.000	97	190133	10.0	9.65	
49 Tetrahydrofuran	42	8.705	8.705	0.000	54	59009	20.0	18.9	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	97	163546	10.0	9.71	
52 Cyclohexane	56	8.907	8.906	0.001	93	195000	10.0	10.0	
53 Isobutyl alcohol	43	8.954	8.954	0.000	95	105663	250.0	231.2	
54 1,1-Dichloropropene	75	8.990	8.978	0.012	94	138246	10.0	9.89	
55 Carbon tetrachloride	117	9.013	9.001	0.012	97	151188	10.0	10.2	
57 Benzene	78	9.179	9.179	0.000	97	376796	10.0	9.64	
59 n-Heptane	43	9.191	9.191	0.000	94	139863	10.0	9.08	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	162276	10.0	9.74	
62 Trichloroethene	95	9.654	9.654	0.000	95	106015	10.0	9.87	
64 Methylcyclohexane	83	9.796	9.796	0.000	96	160717	10.0	10.1	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	92	102770	10.0	9.99	
66 1,4-Dioxane	88	9.938	9.938	0.000	0	9027	200.0	185.4	M
67 Dibromomethane	93	9.998	9.997	0.001	95	66863	10.0	10.0	
68 Dichlorobromomethane	83	10.069	10.057	0.012	97	142654	10.0	9.87	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	93	65248	10.0	10.0	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	96	161028	10.0	9.89	
73 4-Methyl-2-pentanone (MIBK)	43	10.413	10.412	0.001	98	501918	50.0	50.1	
74 Toluene	92	10.650	10.650	0.000	98	240345	10.0	9.92	
75 Ethyl methacrylate	69	10.721	10.721	0.000	89	118377	10.0	10.1	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	97	151139	10.0	10.1	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	95	74593	10.0	10.0	
80 2-Hexanone	43	11.053	11.053	0.000	96	338870	50.0	48.9	
81 Tetrachloroethene	166	11.089	11.088	0.001	96	114740	10.0	10.1	
82 1,3-Dichloropropane	76	11.124	11.112	0.012	94	151660	10.0	10.0	
83 Chlorodibromomethane	129	11.338	11.337	0.001	90	107977	10.0	9.91	
84 Ethylene Dibromide	107	11.480	11.480	0.000	98	95362	10.0	9.92	
88 Ethylbenzene	91	11.800	11.812	-0.012	96	464541	10.0	9.61	
87 Chlorobenzene	112	11.800	11.800	0.000	87	278417	10.0	9.78	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	94	107030	10.0	9.83	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	187387	10.0	10.0	
91 o-Xylene	106	12.239	12.239	0.000	98	184399	10.0	9.84	
92 Styrene	104	12.251	12.251	0.000	94	307155	10.0	10.0	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	482612	10.0	9.75	
95 Bromoform	173	12.523	12.523	0.000	94	63975	10.0	9.96	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	96	110951	10.0	9.69	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.832	-0.012	83	41368	10.0	9.82	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	555749	10.0	9.75	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	38771	10.0	10.4	
101 Bromobenzene	156	12.915	12.915	0.000	91	127962	10.0	10.1	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	417285	10.0	9.87	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	108529	10.0	9.86	
105 4-Chlorotoluene	126	13.105	13.104	0.000	99	113996	10.0	9.74	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	90191	10.0	9.82	
107 1,2,4-Trimethylbenzene	105	13.342	13.342	0.000	95	420664	10.0	9.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	95	515360	10.0	9.87	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	96	430176	10.0	9.70	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	97	238573	10.0	9.74	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	94	243233	10.0	9.64	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	380343	10.0	9.74	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	97	233673	10.0	9.78	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.120	-0.011	81	23726	10.0	9.63	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	94	159922	10.0	9.96	
120 Hexachlorobutadiene	225	16.235	16.247	-0.012	93	61775	10.0	9.67	
121 Naphthalene	128	16.579	16.579	0.000	97	352178	10.0	10.1	
122 1,2,3-Trichlorobenzene	180	16.947	16.947	0.000	95	150520	10.0	9.77	
S 125 1,2-Dichloroethene, Total	1				0			19.7	
S 126 1,3-Dichloropropene, Total	1				0			20.0	
S 123 Total BTEX	1				0			49.0	
S 124 Xylenes, Total	1				0			19.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061

Amount Added: 5.00

Units: uL

GAS CORP mix_00125

Amount Added: 5.00

Units: uL

C_8260_IS_00064

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00067

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20151211-49159.b\\C59585.D

Injection Date: 11-Dec-2015 16:23:30

Instrument ID: HP5973C

Operator ID: gtg

Lims ID: IC 4

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

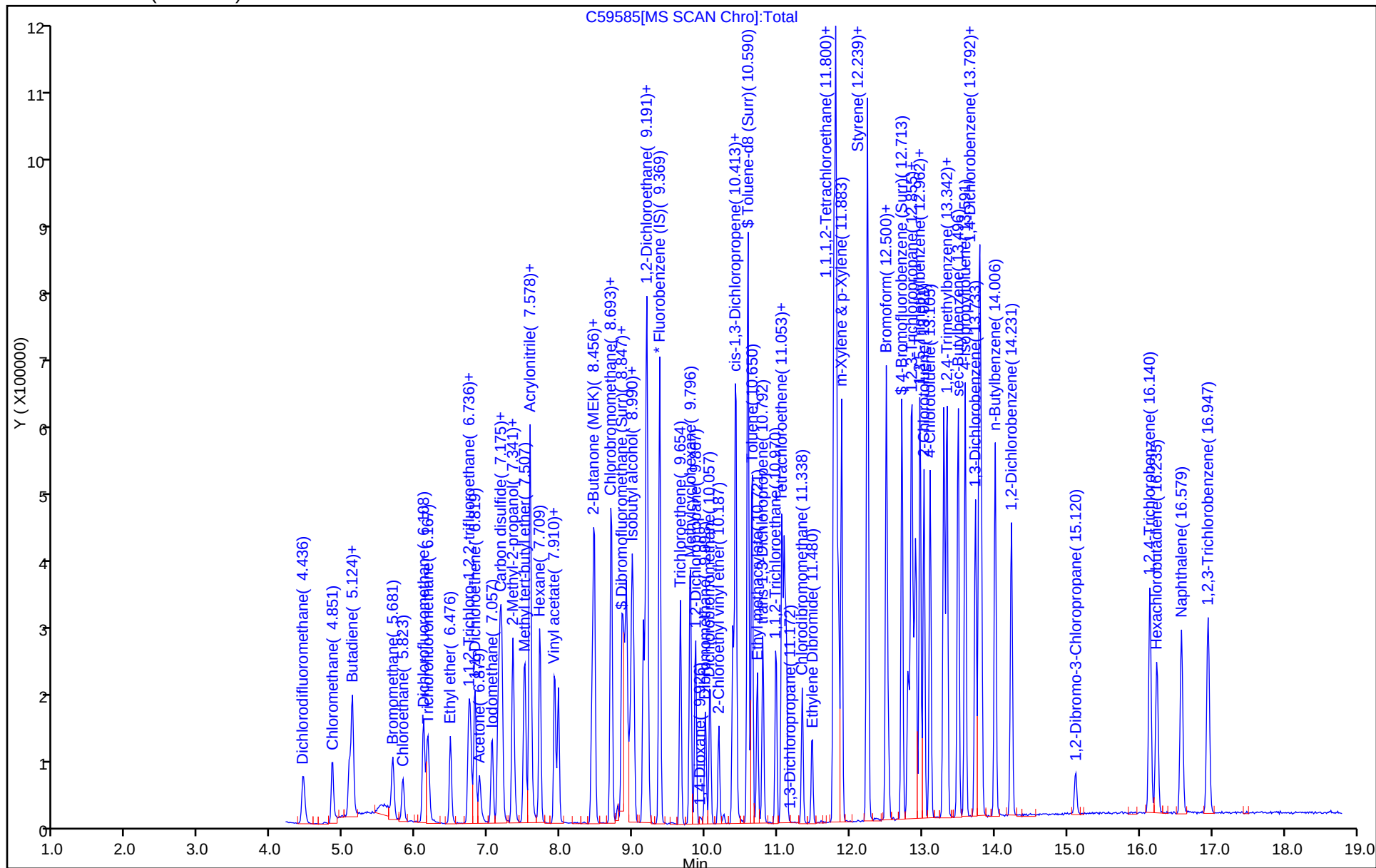
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59585.D

Injection Date: 11-Dec-2015 16:23:30

Instrument ID: HP5973C

Lims ID: IC 4

Client ID:

Operator ID: gtg

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

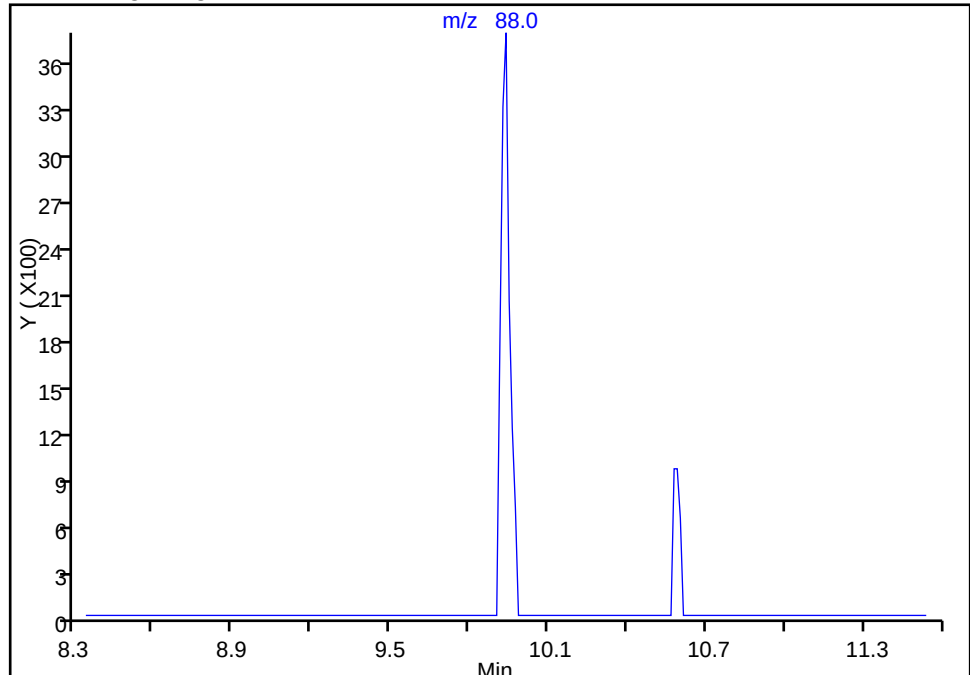
Detector: MS SCAN

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

Not Detected

Expected RT: 9.94

Processing Integration Results



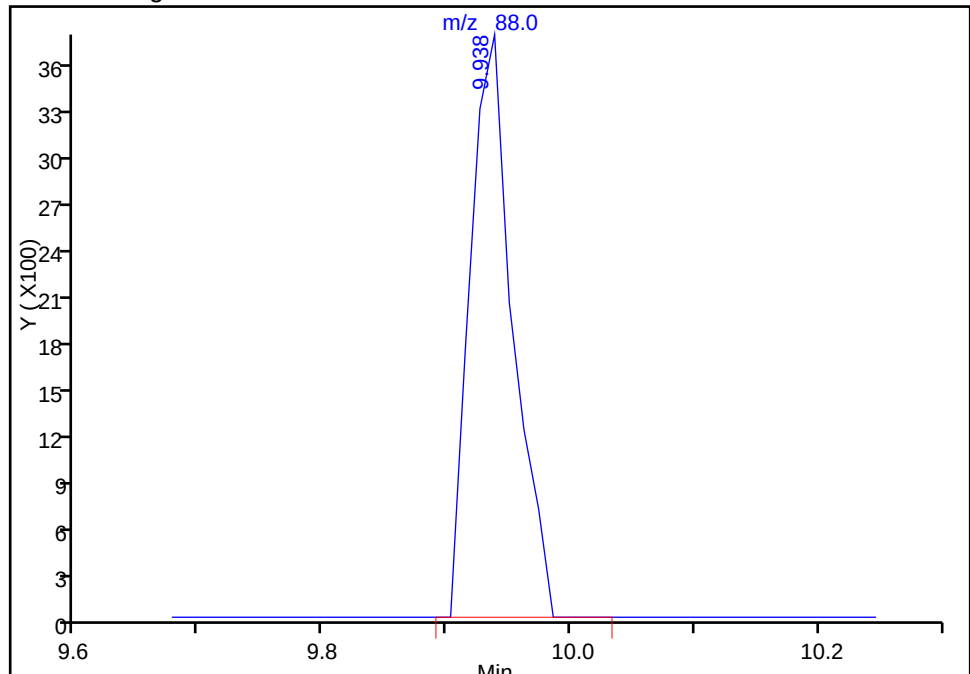
RT: 9.94

Area: 9027

Amount: 185.4204

Amount Units: ug/L

Manual Integration Results



Reviewer: goliszekg, 14-Dec-2015 07:28:56

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59586.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 11-Dec-2015 16:49:30 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0049159-009
 Operator ID: gtg Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Dec-2015 12:05:05 Calib Date: 11-Dec-2015 22:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: goliszekg

Date: 14-Dec-2015 11:35:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	123769	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	88	261294	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	69	255093	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	56	162623	25.0	24.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	98842	25.0	25.1	
\$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	94	554868	25.0	25.3	
\$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	84	191601	25.0	25.3	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	98	301041	25.0	23.5	
12 Chloromethane	50	4.851	4.851	0.000	100	296363	25.0	22.0	
13 Vinyl chloride	62	5.088	5.088	0.000	84	269390	25.0	23.1	
151 Butadiene	54	5.124	5.124	0.000	90	276552	25.0	22.8	
14 Bromomethane	94	5.693	5.693	0.000	92	188702	25.0	23.5	
15 Chloroethane	64	5.823	5.823	0.000	94	170477	25.0	22.9	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	83	450516	25.0	22.8	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	84	444926	25.0	24.0	
18 Ethyl ether	59	6.475	6.475	0.000	95	232641	25.0	24.4	
20 Acrolein	56	6.724	6.724	0.000	93	208190	125.0	129.0	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	86	250972	25.0	24.6	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	88	218187	25.0	23.5	
23 Acetone	43	6.879	6.879	0.000	97	333042	125.0	116.5	
25 Iodomethane	142	7.056	7.056	0.000	99	435242	25.0	24.2	
26 Carbon disulfide	76	7.139	7.139	0.000	99	890715	25.0	24.2	
27 Methyl acetate	43	7.163	7.163	0.000	98	875911	125.0	121.8	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	85	390001	25.0	22.9	
30 Methylene Chloride	84	7.341	7.341	0.000	97	258368	25.0	25.3	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	89	239984	250.0	254.2	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	92	728174	25.0	24.5	
34 trans-1,2-Dichloroethene	96	7.566	7.566	0.000	82	233007	25.0	23.5	
33 Acrylonitrile	53	7.578	7.578	0.000	96	901952	250.0	252.1	
35 Hexane	57	7.709	7.709	0.000	93	368751	25.0	24.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.910	7.910	0.000	97	1047914	50.0	50.1	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	462601	25.0	24.3	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	532235	125.0	122.7	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	74	368673	25.0	23.7	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	73	260887	25.0	23.9	
48 Chlorobromomethane	128	8.693	8.693	0.000	80	135818	25.0	25.5	
50 Chloroform	83	8.705	8.705	0.000	95	457027	25.0	23.4	
49 Tetrahydrofuran	42	8.705	8.705	0.000	56	147313	50.0	47.6	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	91	401495	25.0	24.0	
52 Cyclohexane	56	8.906	8.906	0.000	93	483618	25.0	25.1	
53 Isobutyl alcohol	43	8.954	8.954	0.000	90	265080	625.0	584.9	
54 1,1-Dichloropropene	75	8.989	8.989	0.000	88	331785	25.0	23.9	
55 Carbon tetrachloride	117	9.013	9.013	0.000	88	372892	25.0	25.2	
57 Benzene	78	9.179	9.179	0.000	98	929895	25.0	24.0	
59 n-Heptane	43	9.191	9.191	0.000	69	347482	25.0	22.8	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	86	402877	25.0	24.4	
62 Trichloroethene	95	9.653	9.653	0.000	94	254002	25.0	23.8	
64 Methylcyclohexane	83	9.796	9.796	0.000	95	395124	25.0	25.1	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	89	256361	25.0	25.1	
66 1,4-Dioxane	88	9.926	9.926	0.000	75	25442	500.0	501.4	
67 Dibromomethane	93	9.997	9.997	0.000	86	164539	25.0	24.9	
68 Dichlorobromomethane	83	10.069	10.069	0.000	83	360701	25.0	25.2	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	93	167713	25.0	25.9	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	88	405394	25.0	25.1	
73 4-Methyl-2-pentanone (MIBK)	43	10.412	10.412	0.000	98	1263853	125.0	126.5	
74 Toluene	92	10.650	10.650	0.000	92	586489	25.0	24.3	
75 Ethyl methacrylate	69	10.721	10.721	0.000	90	308070	25.0	26.4	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	89	386386	25.0	25.8	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	96	184006	25.0	24.8	
80 2-Hexanone	43	11.053	11.053	0.000	88	874175	125.0	126.5	
81 Tetrachloroethene	166	11.088	11.088	0.000	89	281396	25.0	24.8	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	76	371353	25.0	24.6	
83 Chlorodibromomethane	129	11.337	11.337	0.000	87	277322	25.0	25.5	
84 Ethylene Dibromide	107	11.480	11.480	0.000	97	244810	25.0	25.5	
87 Chlorobenzene	112	11.800	11.800	0.000	80	690022	25.0	24.3	
88 Ethylbenzene	91	11.800	11.800	0.000	91	1145546	25.0	23.8	
89 1,1,1,2-Tetrachloroethane	131	11.835	11.835	0.000	67	265675	25.0	24.5	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	463607	25.0	24.9	
91 o-Xylene	106	12.239	12.239	0.000	86	466939	25.0	25.0	
92 Styrene	104	12.250	12.250	0.000	93	768947	25.0	25.2	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	1188422	25.0	23.9	
95 Bromoform	173	12.523	12.523	0.000	92	168211	25.0	26.3	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	82	285910	25.0	24.9	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	86	108283	25.0	25.7	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	1373894	25.0	24.0	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	66	94280	25.0	25.1	
101 Bromobenzene	156	12.915	12.915	0.000	59	312896	25.0	24.5	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	68	1033241	25.0	24.4	
103 2-Chlorotoluene	126	13.021	13.021	0.000	85	270342	25.0	24.5	
105 4-Chlorotoluene	126	13.104	13.104	0.000	99	286445	25.0	24.4	
106 tert-Butylbenzene	134	13.294	13.294	0.000	91	218419	25.0	23.7	
107 1,2,4-Trimethylbenzene	105	13.341	13.341	0.000	97	1070211	25.0	24.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.496	13.496	0.000	94	1278275	25.0	24.4	
110 4-Isopropyltoluene	119	13.590	13.590	0.000	94	1074914	25.0	24.2	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	98	598020	25.0	24.4	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	95	614583	25.0	24.3	
115 n-Butylbenzene	91	14.006	14.006	0.000	97	951266	25.0	24.3	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	97	586467	25.0	24.5	
117 1,2-Dibromo-3-Chloropropan	75	15.108	15.108	0.000	63	58036	25.0	23.5	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	413180	25.0	25.7	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	86	162484	25.0	25.4	
121 Naphthalene	128	16.579	16.579	0.000	97	937548	25.0	26.7	
122 1,2,3-Trichlorobenzene	180	16.946	16.946	0.000	95	398306	25.0	25.8	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00125	Amount Added: 12.50	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20151211-49159.b\\C59586.D

Injection Date: 11-Dec-2015 16:49:30

Instrument ID: HP5973C

Operator ID: gtg

Lims ID: ICIS 5

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

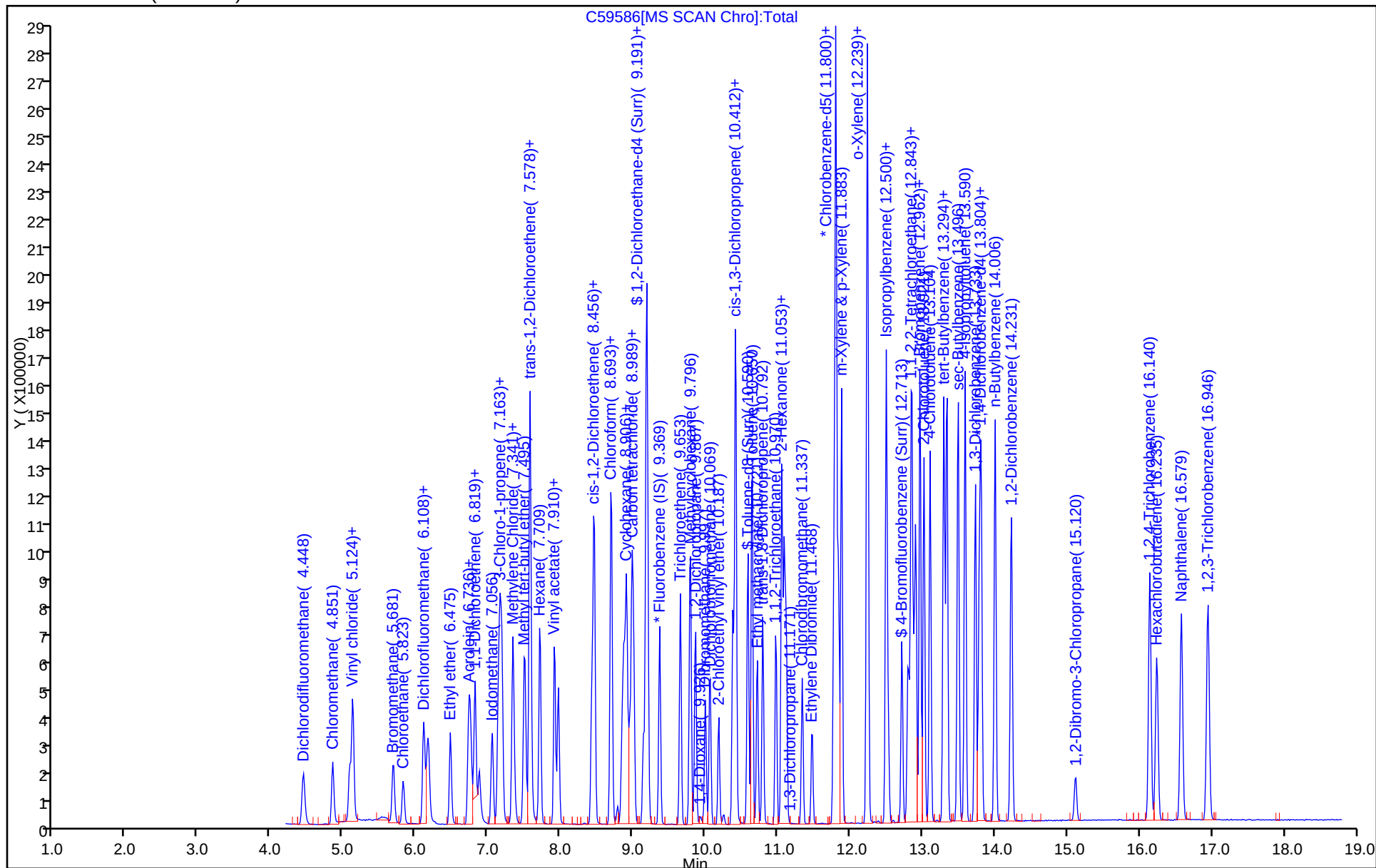
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59587.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 11-Dec-2015 17:15:30 ALS Bottle#: 10 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0049159-010
 Operator ID: gtg Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Dec-2015 11:36:41 Calib Date: 11-Dec-2015 22:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: goliszekg

Date: 12-Dec-2015 14:36:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	121151	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	260248	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	249414	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	163409	25.0	25.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	101417	25.0	26.3	
\$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	93	543933	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	88	191779	25.0	25.4	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	100	624086	50.0	49.7	
12 Chloromethane	50	4.851	4.851	0.000	99	594435	50.0	45.2	
13 Vinyl chloride	62	5.088	5.088	0.000	98	549792	50.0	48.2	
151 Butadiene	54	5.124	5.124	0.000	90	545132	50.0	45.9	
14 Bromomethane	94	5.681	5.693	-0.012	92	376714	50.0	48.0	
15 Chloroethane	64	5.823	5.823	0.000	99	343093	50.0	47.1	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	99	904395	50.0	46.8	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	97	893289	50.0	49.2	
18 Ethyl ether	59	6.476	6.475	0.001	95	457670	50.0	49.0	
20 Acrolein	56	6.725	6.724	0.001	99	410530	250.0	259.8	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	498342	50.0	49.8	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	93	430119	50.0	47.3	
23 Acetone	43	6.879	6.879	0.000	99	660829	250.0	236.2	
25 Iodomethane	142	7.057	7.056	0.001	99	852791	50.0	48.5	
26 Carbon disulfide	76	7.140	7.139	0.001	100	1767200	50.0	49.1	
27 Methyl acetate	43	7.163	7.163	0.000	98	1750098	250.0	248.6	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	85	752080	50.0	45.1	
30 Methylene Chloride	84	7.341	7.341	0.000	98	487918	50.0	49.9	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	99	491802	500.0	532.2	
32 Methyl tert-butyl ether	73	7.507	7.507	0.000	97	1442898	50.0	49.6	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	94	460987	50.0	47.5	
33 Acrylonitrile	53	7.578	7.578	0.000	98	1775189	500.0	506.9	
35 Hexane	57	7.709	7.709	0.000	93	716994	50.0	47.6	

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	7.910	7.910	0.000	97	2114769	100.0	103.3	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	98	900771	50.0	48.3	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	100	1066040	250.0	251.1	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	92	722839	50.0	47.4	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	518972	50.0	48.6	
48 Chlorobromomethane	128	8.693	8.693	0.000	93	264196	50.0	50.7	
50 Chloroform	83	8.705	8.705	0.000	95	886828	50.0	46.4	
49 Tetrahydrofuran	42	8.693	8.705	-0.012	60	290119	100.0	95.7	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	787406	50.0	48.2	
52 Cyclohexane	56	8.907	8.906	0.001	93	944857	50.0	50.1	
53 Isobutyl alcohol	43	8.954	8.954	0.000	97	552301	1250.0	1245.1	
54 1,1-Dichloropropene	75	8.978	8.989	-0.011	95	655936	50.0	48.4	
55 Carbon tetrachloride	117	9.001	9.013	-0.012	98	736487	50.0	50.9	
57 Benzene	78	9.179	9.179	0.000	98	1803239	50.0	47.5	
59 n-Heptane	43	9.191	9.191	0.000	92	652690	50.0	43.7	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	98	778508	50.0	48.1	
62 Trichloroethene	95	9.654	9.653	0.001	96	498820	50.0	47.8	
64 Methylcyclohexane	83	9.796	9.796	0.000	95	785929	50.0	51.0	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	92	488661	50.0	48.9	
66 1,4-Dioxane	88	9.926	9.926	0.000	96	56306	1000.0	1098.8	
67 Dibromomethane	93	9.998	9.997	0.001	96	325082	50.0	50.2	
68 Dichlorobromomethane	83	10.069	10.069	0.001	98	707212	50.0	50.4	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	94	337670	50.0	53.3	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	97	803243	50.0	50.8	
73 4-Methyl-2-pentanone (MIBK)	43	10.413	10.412	0.001	97	2486207	250.0	249.8	
74 Toluene	92	10.650	10.650	0.000	98	1151776	50.0	47.9	
75 Ethyl methacrylate	69	10.721	10.721	0.000	90	620135	50.0	53.3	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	96	763245	50.0	51.3	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	96	361465	50.0	48.9	
80 2-Hexanone	43	11.053	11.053	0.000	97	1742886	250.0	253.2	
81 Tetrachloroethene	166	11.089	11.088	0.000	96	546309	50.0	48.3	
82 1,3-Dichloropropane	76	11.112	11.124	-0.012	94	729302	50.0	48.5	
83 Chlorodibromomethane	129	11.338	11.337	0.001	90	553748	50.0	51.2	
84 Ethylene Dibromide	107	11.468	11.480	-0.012	98	476701	50.0	49.9	
87 Chlorobenzene	112	11.800	11.800	0.000	87	1343077	50.0	47.5	
88 Ethylbenzene	91	11.800	11.800	0.000	95	2267405	50.0	47.3	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.835	0.001	93	534082	50.0	49.4	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	903371	50.0	48.6	
91 o-Xylene	106	12.239	12.239	0.000	98	905289	50.0	48.7	
92 Styrene	104	12.239	12.250	-0.011	94	1527311	50.0	50.3	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	2330372	50.0	48.0	
95 Bromoform	173	12.523	12.523	0.000	94	349734	50.0	54.9	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	571845	50.0	51.0	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	88	218016	50.0	52.8	
99 N-Propylbenzene	91	12.855	12.855	0.000	99	2677889	50.0	47.9	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	188045	50.0	51.3	
101 Bromobenzene	156	12.903	12.915	-0.012	92	616078	50.0	49.4	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	93	2025395	50.0	48.9	
103 2-Chlorotoluene	126	13.021	13.021	0.000	96	534694	50.0	49.5	
105 4-Chlorotoluene	126	13.104	13.104	0.000	99	559249	50.0	48.8	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	433546	50.0	48.2	
107 1,2,4-Trimethylbenzene	105	13.342	13.341	0.001	98	2085528	50.0	48.9	

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	13.496	13.496	0.000	95	2518596	50.0	49.2	
110 4-Isopropyltoluene	119	13.591	13.590	0.001	96	2113048	50.0	48.6	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	98	1178335	50.0	49.1	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	95	1196637	50.0	48.4	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	1879092	50.0	49.1	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	97	1158831	50.0	49.5	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.108	0.001	83	121920	50.0	50.5	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	825949	50.0	52.5	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	96	325088	50.0	51.9	
121 Naphthalene	128	16.579	16.579	0.000	97	1914342	50.0	55.8	
122 1,2,3-Trichlorobenzene	180	16.947	16.946	0.001	95	796908	50.0	52.8	
S 125 1,2-Dichloroethene, Total	1				0			96.1	
S 126 1,3-Dichloropropene, Total	1				0			102.1	
S 123 Total BTEX	1				0			240.0	
S 124 Xylenes, Total	1				0			97.3	

Reagents:

8260 CORP mix_00061	Amount Added: 25.00	Units: uL	
GAS CORP mix_00125	Amount Added: 25.00	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59587.D

Injection Date: 11-Dec-2015 17:15:30

Instrument ID: HP5973C

Operator ID: gtg

Lims ID: IC 6

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

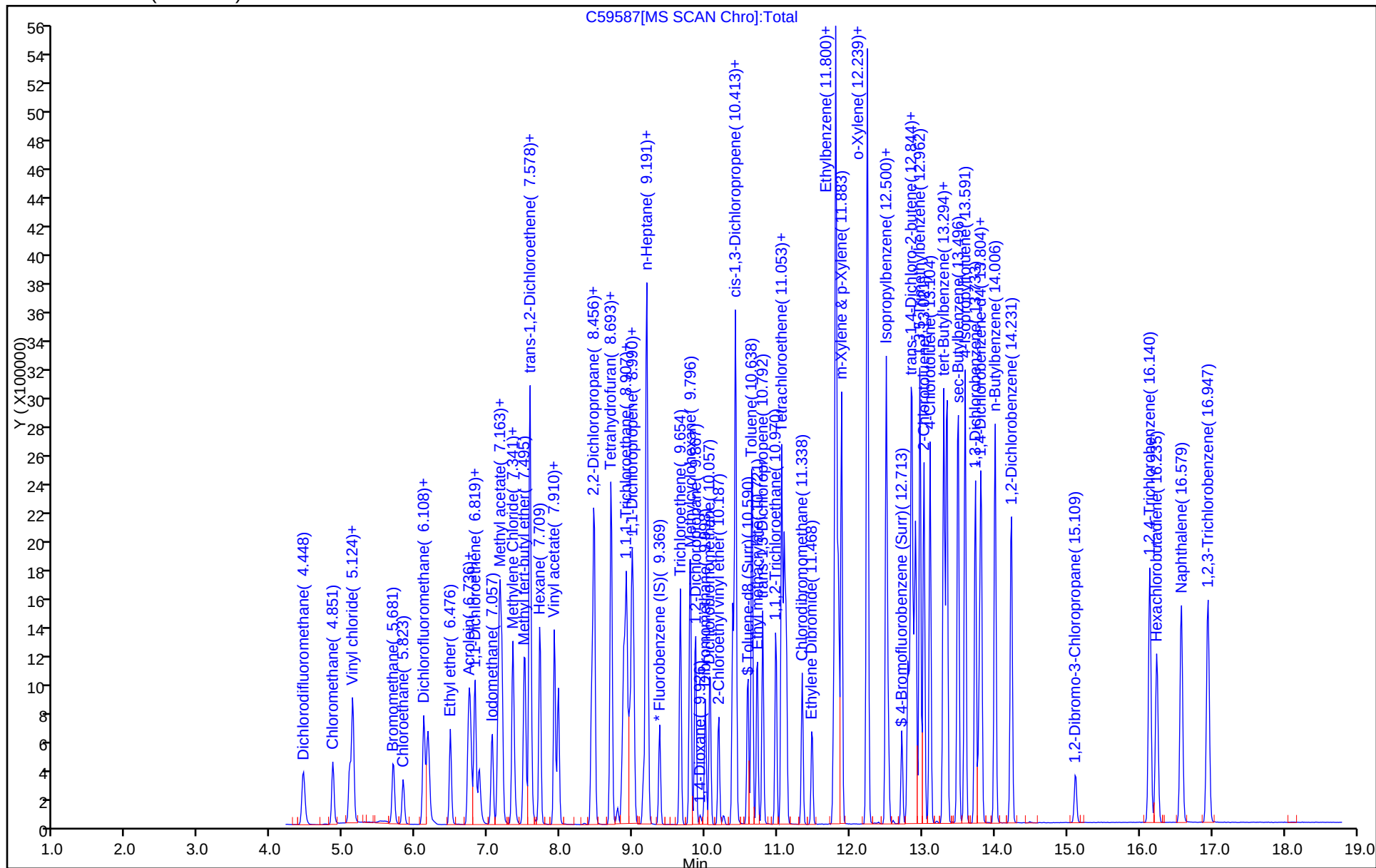
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59588.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 11-Dec-2015 17:40:30 ALS Bottle#: 11 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0049159-011
 Operator ID: gtg Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Dec-2015 11:36:45 Calib Date: 11-Dec-2015 22:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK012

First Level Reviewer: goliszekg

Date: 12-Dec-2015 14:37:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	98	119541	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	89	264321	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.780	0.000	97	254989	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	92	162889	25.0	25.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	97174	25.0	25.5	
\$ 5 Toluene-d8 (Surr)	98	10.591	10.590	0.001	93	552249	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	88	192499	25.0	25.1	
10 Dichlorodifluoromethane	85	4.448	4.448	0.000	100	1253697	100.0	101.2	
12 Chloromethane	50	4.851	4.851	0.000	99	1184747	100.0	91.2	
13 Vinyl chloride	62	5.088	5.088	0.000	99	1095567	100.0	97.3	
151 Butadiene	54	5.136	5.124	0.012	89	1094079	100.0	93.4	
14 Bromomethane	94	5.693	5.693	0.000	93	765682	100.0	98.9	
15 Chloroethane	64	5.823	5.823	0.000	99	697199	100.0	97.0	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	97	1811787	100.0	95.0	
17 Trichlorofluoromethane	101	6.167	6.167	0.000	97	1789987	100.0	100.0	
18 Ethyl ether	59	6.476	6.475	0.001	94	903468	100.0	98.1	
20 Acrolein	56	6.725	6.724	0.001	100	813481	500.0	521.8	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	95	967757	100.0	98.0	
22 1,1-Dichloroethene	96	6.820	6.819	0.001	95	838571	100.0	93.4	
23 Acetone	43	6.867	6.879	-0.012	99	1283666	500.0	465.0	
25 Iodomethane	142	7.057	7.056	0.001	99	1689113	100.0	97.4	
26 Carbon disulfide	76	7.140	7.139	0.001	100	3436586	100.0	96.8	
27 Methyl acetate	43	7.163	7.163	0.000	98	3409975	500.0	490.8	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	85	1470250	100.0	89.4	
30 Methylene Chloride	84	7.341	7.341	0.000	97	948203	100.0	99.6	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	98	920862	1000.0	1009.8	
32 Methyl tert-butyl ether	73	7.495	7.507	-0.012	98	2821527	100.0	98.4	
34 trans-1,2-Dichloroethene	96	7.567	7.566	0.001	94	888987	100.0	92.8	
33 Acrylonitrile	53	7.578	7.578	0.000	99	3466555	1000.0	1003.1	
35 Hexane	57	7.709	7.709	0.000	93	1377751	100.0	92.7	

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	7.911	7.910	0.000	97	4201250	200.0	208.0	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	1766687	100.0	95.9	
43 2-Butanone (MEK)	43	8.420	8.432	-0.012	100	2103349	500.0	502.0	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	91	1414492	100.0	94.1	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	88	1008638	100.0	95.6	
48 Chlorobromomethane	128	8.693	8.693	0.000	96	516586	100.0	100.5	
50 Chloroform	83	8.705	8.705	0.000	97	1730371	100.0	91.7	
49 Tetrahydrofuran	42	8.693	8.705	-0.012	62	562460	200.0	188.1	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	1543925	100.0	95.7	
52 Cyclohexane	56	8.907	8.906	0.001	93	1830685	100.0	98.4	
53 Isobutyl alcohol	43	8.954	8.954	0.000	96	1048782	2500.0	2396.1	
54 1,1-Dichloropropene	75	8.978	8.989	-0.011	95	1272727	100.0	95.1	
55 Carbon tetrachloride	117	9.001	9.013	-0.012	98	1438923	100.0	100.9	
57 Benzene	78	9.179	9.179	0.000	98	3501246	100.0	93.5	
59 n-Heptane	43	9.191	9.191	0.000	92	1268418	100.0	86.0	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	98	1496062	100.0	93.8	
62 Trichloroethene	95	9.654	9.653	0.001	95	981309	100.0	95.4	
64 Methylcyclohexane	83	9.796	9.796	0.000	96	1525166	100.0	100.2	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	93	975951	100.0	99.0	
66 1,4-Dioxane	88	9.926	9.926	0.000	98	99175	2000.0	1896.3	
67 Dibromomethane	93	9.998	9.997	0.001	95	636303	100.0	99.7	
68 Dichlorobromomethane	83	10.057	10.069	-0.011	98	1401924	100.0	101.2	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	93	661248	100.0	105.9	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	97	1594522	100.0	102.3	
73 4-Methyl-2-pentanone (MIBK)	43	10.413	10.412	0.001	97	4859187	500.0	480.7	
74 Toluene	92	10.638	10.650	-0.012	98	2259465	100.0	92.5	
75 Ethyl methacrylate	69	10.721	10.721	0.000	89	1239978	100.0	105.0	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	96	1510957	100.0	99.9	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	95	719138	100.0	95.7	
80 2-Hexanone	43	11.053	11.053	0.000	96	3408963	500.0	487.5	
81 Tetrachloroethene	166	11.089	11.088	0.001	98	1085325	100.0	94.4	
82 1,3-Dichloropropane	76	11.112	11.124	-0.012	94	1440933	100.0	94.4	
83 Chlorodibromomethane	129	11.338	11.337	0.001	90	1118399	100.0	101.8	
84 Ethylene Dibromide	107	11.468	11.480	-0.012	98	949073	100.0	97.9	
87 Chlorobenzene	112	11.800	11.800	0.000	87	2662215	100.0	92.7	
88 Ethylbenzene	91	11.800	11.800	0.000	95	4416277	100.0	90.6	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.835	0.001	94	1059719	100.0	96.5	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	1770809	100.0	93.9	
91 o-Xylene	106	12.239	12.239	0.000	97	1781894	100.0	94.3	
92 Styrene	104	12.239	12.250	-0.011	94	3026047	100.0	98.2	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	4600013	100.0	92.7	
95 Bromoform	173	12.523	12.523	0.000	94	709342	100.0	109.6	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	97	1133347	100.0	98.8	
98 trans-1,4-Dichloro-2-buten	53	12.820	12.820	0.000	88	442481	100.0	104.9	
99 N-Propylbenzene	91	12.844	12.855	-0.011	98	5251776	100.0	92.0	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	83	366522	100.0	97.8	
101 Bromobenzene	156	12.903	12.915	-0.012	92	1219050	100.0	95.6	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	3990713	100.0	94.3	
103 2-Chlorotoluene	126	13.022	13.021	0.001	96	1058966	100.0	96.0	
105 4-Chlorotoluene	126	13.105	13.104	0.001	99	1114536	100.0	95.0	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	855894	100.0	93.0	
107 1,2,4-Trimethylbenzene	105	13.342	13.341	0.001	98	4146539	100.0	95.1	

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	13.496	13.496	0.000	95	4956140	100.0	94.7	
110 4-Isopropyltoluene	119	13.591	13.590	0.001	96	4200316	100.0	94.5	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	98	2368902	100.0	96.5	
113 1,4-Dichlorobenzene	146	13.804	13.816	-0.012	95	2377070	100.0	94.0	
115 n-Butylbenzene	91	14.006	14.006	0.000	98	3761182	100.0	96.1	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	98	2300155	100.0	96.1	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.108	0.001	85	241937	100.0	98.1	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	1676862	100.0	104.2	
120 Hexachlorobutadiene	225	16.235	16.235	0.000	95	656815	100.0	102.6	
121 Naphthalene	128	16.579	16.579	0.000	97	3916853	100.0	111.7	
122 1,2,3-Trichlorobenzene	180	16.947	16.946	0.001	95	1600126	100.0	103.7	
S 125 1,2-Dichloroethene, Total	1				0			188.5	
S 126 1,3-Dichloropropene, Total	1				0			202.2	
S 123 Total BTEX	1				0			464.8	
S 124 Xylenes, Total	1				0			188.2	

Reagents:

8260 CORP mix_00061	Amount Added: 50.00	Units: uL	
GAS CORP mix_00125	Amount Added: 50.00	Units: uL	
C_8260_IS_00064	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00067	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59588.D

Injection Date: 11-Dec-2015 17:40:30

Instrument ID: HP5973C

Operator ID: gtg

Lims ID: IC 7

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

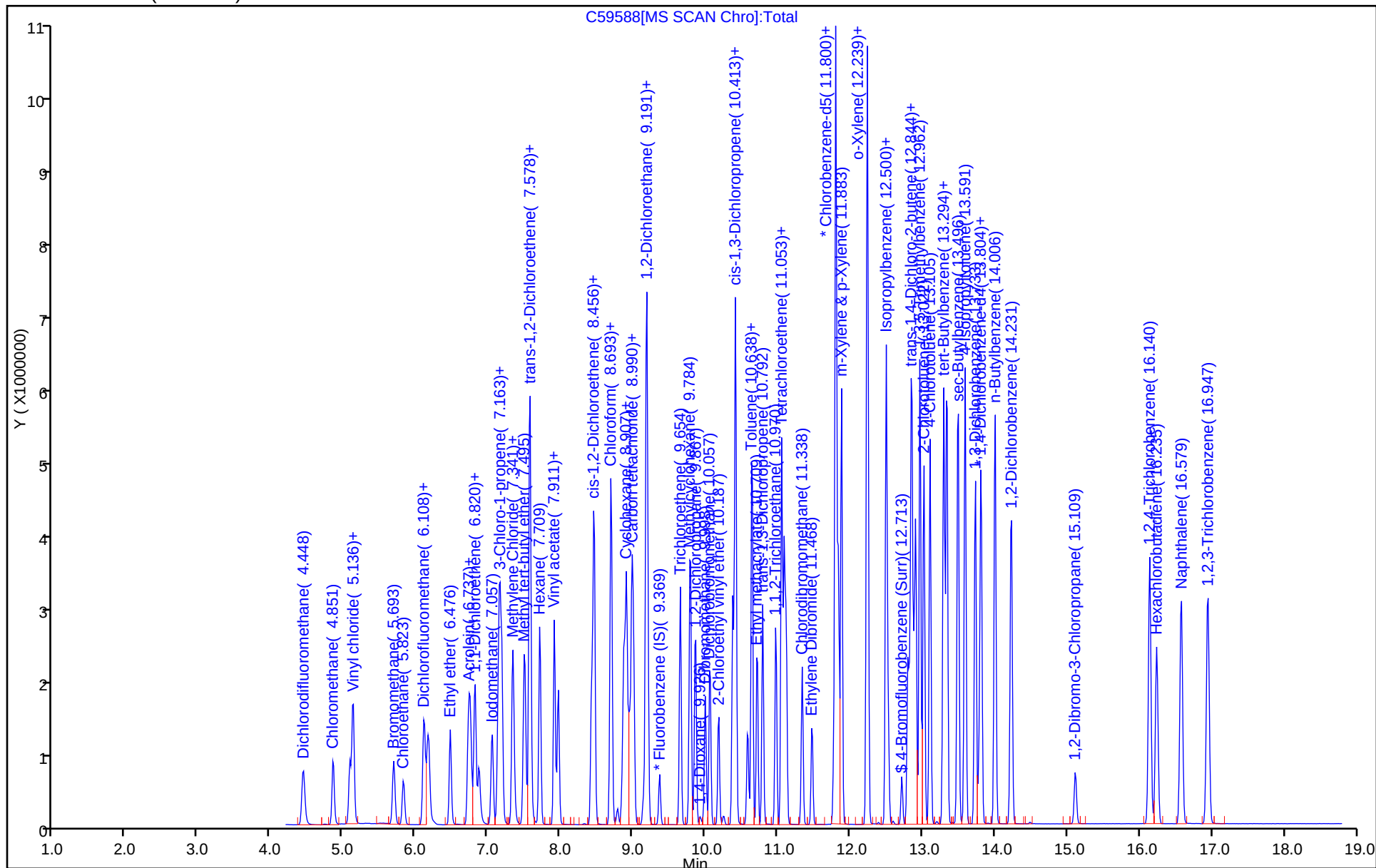
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1 Analy Batch No.: 282070

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/31/2015 16:15 Calibration End Date: 12/31/2015 19:00 Calibration ID: 25958

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-282070/4	T3687.D
Level 2	IC 480-282070/5	T3688.D
Level 3	IC 480-282070/6	T3689.D
Level 4	IC 480-282070/7	T3690.D
Level 5	IC 480-282070/8	T3691.D
Level 6	ICIS 480-282070/9	T3692.D
Level 7	IC 480-282070/10	T3693.D
Level 8	IC 480-282070/11	T3694.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	++++ 1.7945	2.1062 1.7618	2.0560 1.9136	1.9109	1.8425	Ave		1.9122			0.1000	6.7		20.0			
Chloromethane	++++ 1.7281	2.3789 1.6717	2.1191 1.7039	1.9929	1.9271	Ave		1.9317			0.1000	13.4		20.0			
Vinyl chloride	1.9387 1.7157	2.1613 1.6794	2.0439 1.6900	1.9344	1.7961	Ave		1.8699			0.1000	9.5		20.0			
Butadiene	1.9877 1.5900	2.1783 1.5586	1.9037 1.5621	1.7096	1.7407	Ave		1.7789				12.7		20.0			
Bromomethane	++++ 0.6298	0.7695 0.6889	0.6949 0.7762	0.6262	0.6394	Ave		0.6893			0.1000	9.2		20.0			
Chloroethane	++++ 0.7077	0.7548 0.7105	0.8016 0.7866	0.5472	0.6620	Ave		0.7101			0.1000	12.2		20.0			
Dichlorofluoromethane	++++ 2.0716	2.2529 2.0885	2.3204 2.1518	2.1311	2.2049	Ave		2.1745				4.1		20.0			
Trichlorofluoromethane	1.8967 1.9908	2.1197 1.9936	2.1782 2.0785	2.0578	2.0343	Ave		2.0437			0.1000	4.2		20.0			
Ethyl ether	1.5976 1.3582	1.6332 1.2854	1.4681 1.3493	1.3338	1.4129	Ave		1.4298				8.9		20.0			
Acrolein	++++ 0.2048	0.2509 0.2058	0.2143 0.2118	0.2166	0.2192	Ave		0.2176				7.2		20.0			
1,1-Dichloroethene	1.6540 1.3976	1.6857 1.3006	1.6736 1.3703	1.4689	1.4091	Ave		1.4950			0.1000	10.3		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.4154 1.4471	1.5026 1.3557	1.6829 1.4806	1.5169	1.4552	Ave		1.4821			0.1000	6.5		20.0			
Acetone	++++ 0.3276	0.4065 0.3193	0.3485 0.3403	0.3181	0.3268	Ave		0.3410			0.1000	9.1		20.0			
Iodomethane	2.9531 2.6429	3.0565 2.5324	2.9068 2.6709	2.8401	2.7142	Ave		2.7896				6.4		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.: 480-93630-1 Analy Batch No.: 282070
SDG No.: _____
Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/31/2015 16:15 Calibration End Date: 12/31/2015 19:00 Calibration ID: 25958

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	4.3662 4.3434	5.0339 4.1324	4.9718 4.3906	4.5925	4.4292	Ave		4.5325			0.1000	7.0		20.0			
Allyl chloride	++++ 2.2531	2.5503 2.1355	2.5915 2.1370	2.3517	2.3338	Ave		2.3361				7.8		20.0			
Methyl acetate	1.1428 0.9976	1.0120 0.9362	1.0812 0.9755	0.9683	1.0073	Ave		1.0151			0.1000	6.6		20.0			
Methylene Chloride	++++ 1.5255	2.3537 1.4402	1.7750 1.4927	1.7106	1.5825	Lin1	0.8496	1.4702			0.1000				0.9990		0.9900
2-Methyl-2-propanol	++++ 0.1667	0.1565 0.1638	0.1693 0.1725	0.1618	0.1807	Ave		0.1673				4.7		20.0			
trans-1,2-Dichloroethene	1.6875 1.5240	1.8186 1.4615	1.7612 1.5142	1.5658	1.5592	Ave		1.6115			0.1000	8.0		20.0			
Methyl tert-butyl ether	4.4734 4.1424	4.8175 3.9496	4.5830 4.0958	4.1211	4.2052	Ave		4.2985			0.1000	6.9		20.0			
Acrylonitrile	0.7371 0.5286	0.6055 0.5065	0.5688 0.5263	0.5307	0.5393	Ave		0.5679				13.2		20.0			
Hexane	3.0378 2.3358	2.9377 2.1649	2.8708 2.3050	2.4029	2.3326	Ave		2.5484				13.4		20.0			
1,1-Dichloroethane	3.2331 2.8221	3.1530 2.6864	3.1272 2.8050	3.0551	2.9394	Ave		2.9777			0.2000	6.5		20.0			
Vinyl acetate	3.2124 2.9637	2.9139 2.8435	2.9692 2.9528	2.8160	2.9734	Ave		2.9556				4.1		20.0			
2,2-Dichloropropane	++++ 2.2450	2.9265 2.0642	2.6263 2.1630	2.4051	2.3188	Ave		2.3927				12.4		20.0			
cis-1,2-Dichloroethene	1.7751 1.7077	1.9943 1.6140	1.8305 1.6853	1.8256	1.7778	Ave		1.7763			0.1000	6.5		20.0			
2-Butanone (MEK)	++++ 0.5465	0.5764 0.5350	0.5414 0.5559	0.5306	0.5653	Ave		0.5502			0.1000	3.0		20.0			
Chlorobromomethane	1.0005 0.8937	0.9244 0.8426	0.9716 0.8827	0.9219	0.9364	Ave		0.9217				5.4		20.0			
Tetrahydrofuran	++++ 0.3818	0.4994 0.3788	0.4350 0.3849	0.4271	0.4166	Ave		0.4177				10.2		20.0			
Chloroform	++++ 2.6061	3.0621 2.4742	2.9270 2.6143	2.8136	2.6783	Ave		2.7394			0.2000	7.5		20.0			
1,1,1-Trichloroethane	2.6851 2.4640	2.7066 2.3245	2.6034 2.4563	2.5060	2.4829	Ave		2.5286			0.1000	5.1		20.0			
Cyclohexane	3.3934 2.8653	3.4203 2.6713	3.4147 2.8569	3.0378	2.8868	Ave		3.0683			0.1000	9.8		20.0			
1,1-Dichloropropene	2.0874 1.9614	2.2867 1.8476	2.2095 1.9246	2.0649	1.9680	Ave		2.0438				7.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1 Analy Batch No.: 282070
SDG No.: _____
Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/31/2015 16:15 Calibration End Date: 12/31/2015 19:00 Calibration ID: 25958

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 tetrachloride	2.4200 2.2140	2.4682 2.1138	2.3373 2.2359	2.2216	2.1912	Ave		2.2752			0.1000	5.3		20.0			
Isobutyl alcohol	++++ 0.0590	0.0621 0.0589	0.0592 0.0613	0.0560	0.0609	Ave		0.0596				3.4		20.0			
Benzene	7.2190 5.7858	6.7690 5.4984	6.6082 5.6471	6.0477	5.8944	Ave		6.1837			0.5000	9.9		20.0			
1,2-Dichloroethane	++++ 2.2684	2.6105 2.1648	2.5074 2.2553	2.3514	2.3589	Ave		2.3595			0.1000	6.5		20.0			
n-Heptane	++++ 2.2982	3.4014 2.1478	2.7811 2.2828	2.4023	2.3604	Lin1	1.1129	2.2276							0.9990		0.9900
Trichloroethene	++++ 1.5494	1.7556 1.4641	1.6802 1.5499	1.6504	1.6222	Ave		1.6103			0.2000	6.0		20.0			
Methylcyclohexane	2.5110 2.5392	3.1388 2.4182	2.9503 2.5778	2.6476	2.6131	Ave		2.6745			0.1000	9.1		20.0			
1,2-Dichloropropane	1.9382 1.5860	1.9012 1.4904	1.7113 1.5542	1.6067	1.6145	Ave		1.6753			0.1000	9.7		20.0			
Dibromomethane	1.0800 0.9417	1.0564 0.9159	0.9712 0.9427	0.9924	0.9622	Ave		0.9828			0.1000	5.9		20.0			
1,4-Dioxane	++++ 0.0040	++++ 0.0041	0.0040 0.0041	0.0042	0.0042	Ave		0.0041				2.1		20.0			
Bromodichloromethane	2.0211 1.9610	2.0299 1.8806	1.9743 2.0166	1.9136	1.9795	Ave		1.9721			0.2000	2.7		20.0			
2-Chloroethyl vinyl ether	1.2316 1.0004	1.2357 0.9734	1.1071 1.0109	1.0239	0.9982	Ave		1.0727				10.0		20.0			
cis-1,3-Dichloropropene	2.6707 2.3667	2.4365 2.2680	2.5214 2.3693	2.4255	2.4057	Ave		2.4330			0.2000	4.9		20.0			
4-Methyl-2-pentanone (MIBK)	++++ 0.3184	0.3294 0.3158	0.3192 0.3245	0.3257	0.3371	Ave		0.3243			0.1000	2.3		20.0			
Toluene	1.0942 0.9069	1.1403 0.8864	1.0180 0.9017	0.9716	0.9472	Ave		0.9833			0.4000	9.5		20.0			
trans-1,3-Dichloropropene	0.5465 0.5270	0.5703 0.5174	0.5607 0.5415	0.5601	0.5594	Ave		0.5479			0.1000	3.3		20.0			
Ethyl methacrylate	++++ 0.4376	0.4621 0.4337	0.4390 0.4442	0.4645	0.4614	Ave		0.4489				3.0		20.0			
1,1,2-Trichloroethane	++++ 0.2636	0.2966 0.2528	0.2743 0.2636	0.2879	0.2819	Ave		0.2744			0.1000	5.6		20.0			
Tetrachloroethene	0.4696 0.4253	0.4589 0.4097	0.4769 0.4275	0.4525	0.4488	Ave		0.4462			0.2000	5.2		20.0			
1,3-Dichloropropane	0.6552 0.5301	0.5863 0.5127	0.5635 0.5259	0.5520	0.5512	Ave		0.5596				8.0		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.: 480-93630-1 Analy Batch No.: 282070
SDG No.: _____
Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/31/2015 16:15 Calibration End Date: 12/31/2015 19:00 Calibration ID: 25958

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	++++ 0.2163	0.2155 0.2138	0.2154 0.2213	0.2123	0.2283	Ave		0.2176			0.1000	2.5		20.0			
Dibromochloromethane	0.4208 0.3852	0.3719 0.3839	0.3901 0.4164	0.3902	0.3981	Ave		0.3946			0.1000	4.2		20.0			
1,2-Dibromoethane	0.3717 0.3460	0.3698 0.3397	0.3602 0.3571	0.3611	0.3542	Ave		0.3575				3.1		20.0			
Chlorobenzene	1.2027 1.0480	1.1612 1.0160	1.1307 1.0582	1.1289	1.1355	Ave		1.1101			0.5000	5.7		20.0			
1,1,1,2-Tetrachloroethane	0.4383 0.4015	0.4247 0.4007	0.4302 0.4148	0.4055	0.4276	Ave		0.4179				3.4		20.0			
Ethylbenzene	++++ 1.7774	2.0142 1.7361	1.9300 1.7505	1.8743	1.8710	Ave		1.8505			0.1000	5.5		20.0			
m,p-Xylene	0.8019 0.7152	0.7853 0.7008	0.7631 0.7106	0.7713	0.7589	Ave		0.7509			0.1000	5.0		20.0			
o-Xylene	0.8174 0.7149	0.7329 0.7045	0.7708 0.7085	0.7642	0.7712	Ave		0.7481			0.3000	5.3		20.0			
Styrene	1.2536 1.1600	1.2083 1.1241	1.1727 1.1338	1.1880	1.2153	Ave		1.1820			0.3000	3.7		20.0			
Bromoform	0.2308 0.2126	0.2231 0.2204	0.2042 0.2335	0.2040	0.2201	Ave		0.2186			0.1000	5.0		20.0			
Isopropylbenzene	3.7829 3.4547	3.8141 3.2791	3.6330 3.4369	3.5949	3.5061	Ave		3.5627			0.1000	5.1		20.0			
Bromobenzene	++++ 0.8997	1.0124 0.8527	0.9560 0.9016	0.9431	0.9775	Ave		0.9347				5.8		20.0			
1,1,2,2-Tetrachloroethane	++++ 0.7230	0.7666 0.7096	0.6862 0.7336	0.7475	0.7610	Ave		0.7325			0.3000	3.9		20.0			
1,2,3-Trichloropropane	++++ 0.2468	0.2804 0.2372	0.2493 0.2463	0.2513	0.2717	Ave		0.2547				6.1		20.0			
trans-1,4-Dichloro-2-butene	++++ 0.2851	0.3078 0.2716	0.2853 0.2892	0.2913	0.3004	Ave		0.2901				4.0		20.0			
N-Propylbenzene	4.2853 4.0046	4.2919 3.8217	4.2371 3.9556	4.1860	4.1376	Ave		4.1150				4.2		20.0			
2-Chlorotoluene	++++ 0.8460	0.9103 0.7998	0.8880 0.8355	0.8855	0.8983	Ave		0.8662				4.6		20.0			
1,3,5-Trimethylbenzene	++++ 3.0045	3.3079 2.8469	2.9850 2.9854	3.0375	3.0902	Ave		3.0368				4.6		20.0			
4-Chlorotoluene	++++ 2.4980	2.7228 2.3751	2.5837 2.4637	2.6338	2.6404	Ave		2.5596				4.7		20.0			
tert-Butylbenzene	0.7043 0.6696	0.7204 0.6486	0.7121 0.6933	0.7124	0.7175	Ave		0.6973				3.7		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.: 480-93630-1 Analy Batch No.: 282070
SDG No.: _____
Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/31/2015 16:15 Calibration End Date: 12/31/2015 19:00 Calibration ID: 25958

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	3.5382 3.0777	3.5565 2.9417	3.2585 3.0432	3.1944	3.2293	Ave		3.2299				6.9		20.0			
sec-Butylbenzene	4.3085 3.8341	4.2721 3.6416	4.0271 3.8092	3.9964	3.9410	Ave		3.9787				5.7		20.0			
4-Isopropyltoluene	3.6259 3.2938	3.5131 3.1368	3.4820 3.2226	3.3400	3.4234	Ave		3.3797				4.8		20.0			
1,3-Dichlorobenzene	++++ 1.7676	1.9020 1.6684	1.8859 1.7056	1.8643	1.9059	Ave		1.8142			0.6000	5.5		20.0			
1,4-Dichlorobenzene	++++ 1.7706	1.9783 1.6817	1.9214 1.7449	1.9153	1.9351	Ave		1.8496			0.5000	6.2		20.0			
n-Butylbenzene	++++ 2.9048	3.1883 2.7589	3.0549 2.9072	3.0248	3.0457	Ave		2.9835				4.6		20.0			
1,2-Dichlorobenzene	++++ 1.7066	1.9860 1.6421	1.7829 1.6857	1.7728	1.8504	Ave		1.7752			0.4000	6.5		20.0			
1,2-Dibromo-3-Chloropropane	++++ 0.1304	0.1528 0.1276	0.1352 0.1377	0.1246	0.1401	Ave		0.1355			0.0500	7.0		20.0			
1,2,4-Trichlorobenzene	++++ 1.2810	1.4282 1.2614	1.3656 1.3171	1.2879	1.3646	Ave		1.3294			0.2000	4.5		20.0			
Hexachlorobutadiene	++++ 0.6419	0.6617 0.6146	0.7130 0.6425	0.6391	0.6649	Ave		0.6540				4.7		20.0			
Naphthalene	++++ 2.9297	3.1674 2.9032	2.7740 3.0484	2.8685	3.0616	Ave		2.9647				4.5		20.0			
1,2,3-Trichlorobenzene	++++ 1.2101	1.2639 1.1766	1.1901 1.2141	1.2251	1.3219	Ave		1.2288				4.0		20.0			
Dibromofluoromethane (Surr)	1.2053 1.1750	1.2169 1.1710	1.1998 1.1782	1.1358	1.2039	Ave		1.1858				2.2		20.0			
1,2-Dichloroethane-d4 (Surr)	1.3595 1.3343	1.3524 1.3174	1.3139 1.3144	1.2882	1.3265	Ave		1.3258				1.7		20.0			
Toluene-d8 (Surr)	1.1138 1.1107	1.1113 1.1298	1.1077 1.1353	1.1482	1.1347	Ave		1.1239				1.3		20.0			
4-Bromofluorobenzene (Surr)	0.4283 0.4186	0.4174 0.4255	0.4238 0.4231	0.4275	0.4246	Ave		0.4236				0.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1 Analy Batch No.: 282070

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/31/2015 16:15 Calibration End Date: 12/31/2015 19:00 Calibration ID: 25958

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-282070/4	T3687.D
Level 2	IC 480-282070/5	T3688.D
Level 3	IC 480-282070/6	T3689.D
Level 4	IC 480-282070/7	T3690.D
Level 5	IC 480-282070/8	T3691.D
Level 6	ICIS 480-282070/9	T3692.D
Level 7	IC 480-282070/10	T3693.D
Level 8	IC 480-282070/11	T3694.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	++++ 198148	9030 395111	17832 864039	43002	80687	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	++++ 190818	10199 374909	18379 769356	44846	84394	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	3364 189447	9266 376625	17727 763065	43530	78657	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	3449 175573	9339 349545	16511 705325	38472	76229	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	++++ 69547	3299 154483	6027 350481	14092	27999	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	++++ 78143	3236 159334	6952 355175	12314	28991	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	++++ 228743	9659 468372	20125 971577	47956	96560	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	3291 219829	9088 447094	18892 938486	46306	89086	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	2772 149969	7002 288257	12733 609216	30014	61873	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	++++ 113088	5379 230736	9294 478100	24366	47994	++++ 125	5.00 250	10.0 500	25.0	50.0
1,1-Dichloroethene	FB	Ave	2870 154321	7227 291670	14515 618720	33054	61707	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2456 159787	6442 304023	14596 668532	34136	63727	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	++++ 180856	8714 358003	15114 768309	35793	71555	++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	5124 291828	13104 567927	25211 1205937	63912	118860	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	7576 479607	21582 926750	43121 1982428	103346	193965	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1 Analy Batch No.: 282070

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/31/2015 16:15 Calibration End Date: 12/31/2015 19:00 Calibration ID: 25958

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	++++ 248793	10934 478901	22476 964900	52920	102201	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	9915 550755	21693 1049782	46889 2202223	108945	220570	2.00 125	5.00 250	10.0 500	25.0	50.0
Methylene Chloride	FB	Lin1	++++ 168451	10091 322979	15395 673974	38493	69301	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	++++ 184101	6708 367278	14685 778686	36403	79129	++++ 250	10.0 500	20.0 1000	50.0	100
trans-1,2-Dichloroethene	FB	Ave	2928 168284	7797 327764	15275 683667	35236	68282	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl tert-butyl ether	FB	Ave	7762 457413	20654 885742	39749 1849339	92738	184156	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	12790 583700	25961 1135837	49334 2376314	119422	236163	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	5271 257921	12595 485508	24899 1040731	54073	102151	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	5610 311622	13518 602464	27123 1266480	68749	128722	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	11148 654511	24986 1275367	51505 2666480	126739	260423	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	++++ 247893	12547 462921	22778 976621	54122	101545	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	3080 188561	8550 361970	15876 760937	41081	77854	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	++++ 301735	12355 599900	23480 1255099	59696	123789	++++ 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	1736 98685	3963 188957	8427 398564	20745	41009	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	++++ 84311	4282 169913	7545 347549	19224	36490	++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	++++ 287770	13128 554860	25386 1180392	63315	117290	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	4659 272077	11604 521307	22580 1109038	56394	108730	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	5888 316384	14664 599060	29616 1289935	68360	126421	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	3622 216579	9804 414338	19163 868990	46466	86185	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	4199 244468	10582 474041	20272 1009558	49992	95958	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	++++ 162758	6655 330219	12842 692347	31522	66663	++++ 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.: 480-93630-1 Analy Batch No.: 282070

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/31/2015 16:15 Calibration End Date: 12/31/2015 19:00 Calibration ID: 25958

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	12526 638879	29021 1233084	57314 2549758	136092	258129	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	++++ 250484	11192 485475	21747 1018286	52913	103301	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Lin1	++++ 253772	14583 481672	24121 1030737	54059	103366	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	++++ 171081	7527 328352	14573 699803	37140	71041	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	4357 280380	13457 542316	25588 1163925	59580	114436	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3363 175132	8151 334236	14842 701729	36155	70702	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	1874 103986	4529 205411	8423 425663	22332	42137	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBZ	Ave	++++ 36071	++++ 73922	2858 147610	7336	14842	++++ 500	++++ 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	3507 216538	8703 421737	17123 910530	43061	86688	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	2137 110461	5298 218297	9602 456433	23042	43713	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	4634 261329	10446 508629	21868 1069793	54582	105351	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	++++ 720010	29441 1418007	57121 2940214	143734	297514	++++ 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBZ	Ave	7884 410203	20383 796008	36430 1633745	85741	167200	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBZ	Ave	3938 238382	10194 464589	20066 981119	49424	98752	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBZ	Ave	++++ 197908	8260 389442	15709 804894	40990	81445	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	++++ 119237	5302 227003	9818 477698	25406	49771	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBZ	Ave	3384 192366	8202 367911	17066 774654	39934	79231	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	4721 239746	10480 460426	20165 952915	48715	97296	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBZ	Ave	++++ 489195	19262 959901	38535 2004782	93685	201533	++++ 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBZ	Ave	3032 174217	6648 344754	13961 754534	34432	70267	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	2678 156515	6610 305023	12892 646999	31868	62522	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1 Analy Batch No.: 282070

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/31/2015 16:15 Calibration End Date: 12/31/2015 19:00 Calibration ID: 25958

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	CBZ	Ave	8666 474009	20756 912337	40464 1917318	99626	200443	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	3158 181601	7591 359836	15395 751613	35787	75474	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBZ	Ave	++++ 803944	36003 1558970	69067 3171741	165407	330282	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBZ	Ave	5778 323488	14037 629313	27308 1287606	68067	133967	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBZ	Ave	5890 323339	13101 632646	27583 1283676	67441	136144	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBZ	Ave	9033 524662	21597 1009443	41966 2054355	104842	214527	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBZ	Ave	1663 96159	3988 197915	7307 423059	18006	38850	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCB	Ave	14836 848395	36848 1611745	71655 3337645	174502	343919	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCB	Ave	++++ 220948	9781 419119	18855 875525	45779	95881	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	++++ 177557	7406 348789	13534 712413	36285	74651	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	++++ 60600	2709 116588	4918 239205	12199	26656	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	++++ 70016	2974 133503	5628 280858	14138	29470	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCB	Ave	16806 983442	41464 1878426	83571 3841389	203196	405868	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCB	Ave	++++ 207766	8794 393139	17514 811380	42985	88118	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	++++ 737848	31957 1399294	58874 2899154	147446	303127	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCB	Ave	++++ 613455	26305 1167376	50960 2392547	127850	259004	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCB	Ave	2762 164440	6960 318773	14045 673317	34580	70378	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	13876 755810	34359 1445870	64270 2955304	155063	316772	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCB	Ave	16897 941587	41272 1789886	79429 3699175	193992	386585	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCB	Ave	14220 808889	33940 1541771	68677 3129528	162132	335812	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	++++ 434077	18375 820021	37196 1656314	90496	186958	++++ 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.: 480-93630-1 Analy Batch No.: 282070

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/31/2015 16:15 Calibration End Date: 12/31/2015 19:00 Calibration ID: 25958

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	DCB	Ave	+++++ 434830	19112 826578	37897 1694510	92975	189815	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCB	Ave	+++++ 713352	30802 1356052	60253 2823213	146830	298760	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 419116	19187 807123	35165 1636974	86056	181512	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 32033	1476 62733	2666 133717	6046	13746	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 314581	13798 619974	26935 1279099	62516	133859	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCB	Ave	+++++ 157650	6393 302083	14063 623971	31025	65221	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCB	Ave	+++++ 719480	30600 1426965	54713 2960356	139243	300315	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 297188	12210 578305	23474 1179030	59471	129667	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	130715 129747	130436 131305	130076 132997	127796	131801	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	147429 147331	144950 147716	142449 148367	144939	145226	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	501578 502375	496592 507279	495518 514271	506628	500751	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	192896 189346	186519 191042	189572 191676	188643	187377	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3687.D
 Lims ID: IC 0.4
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 31-Dec-2015 16:15:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.4
 Misc. Info.: 480-0049677-004
 Operator ID: gtg Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jan-2016 14:33:34 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK029

First Level Reviewer: HillL

Date: 02-Jan-2016 13:29:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.985	4.995	-0.010	99	108447	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	86	450346	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.161	0.000	95	245113	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.508	4.519	-0.011	93	130715	25.0	25.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.767	-0.010	0	147429	25.0	25.6	
\$ 6 Toluene-d8 (Surr)	98	6.166	6.166	0.000	94	501578	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	94	192896	25.0	25.3	
11 Dichlorodifluoromethane	85	1.285	1.306	-0.021	91	2336	0.4000	0.2816	
13 Chloromethane	50	1.399	1.420	-0.021	95	4943	0.4000	0.5899	
151 Butadiene	54	1.524	1.545	-0.021	91	3449	0.4000	0.4470	
14 Vinyl chloride	62	1.513	1.545	-0.032	76	3364	0.4000	0.4147	M
15 Bromomethane	94	1.793	1.824	-0.031	73	2216	0.4000	0.7411	
16 Chloroethane	64	1.886	1.907	-0.021	19	2876	0.4000	0.9337	
18 Dichlorofluoromethane	67	2.114	2.146	-0.032	92	4686	0.4000	0.4968	M
17 Trichlorofluoromethane	101	2.166	2.187	-0.021	81	3291	0.4000	0.3712	
19 Ethyl ether	59	2.415	2.425	-0.010	88	2772	0.4000	0.4469	
21 Acrolein	56	2.560	2.581	-0.021	60	2508	2.00	2.66	
22 1,1-Dichloroethene	96	2.622	2.633	-0.011	94	2870	0.4000	0.4426	
20 1,1,2-Trichloro-1,2,2-trif	101	2.633	2.643	-0.010	62	2456	0.4000	0.3820	
23 Acetone	43	2.726	2.736	-0.010	99	4102	2.00	2.77	
24 Iodomethane	142	2.767	2.778	-0.011	96	5124	0.4000	0.4234	
25 Carbon disulfide	76	2.809	2.819	-0.010	99	7576	0.4000	0.3853	
27 3-Chloro-1-propene	41	2.964	2.964	0.000	88	4669	0.4000	0.4607	
28 Methyl acetate	43	3.006	3.006	0.000	99	9915	2.00	2.25	
30 Methylene Chloride	84	3.089	3.099	-0.010	90	5206	0.4000	0.2384	
31 2-Methyl-2-propanol	59	3.265	3.254	0.011	91	4129	4.00	5.69	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	94	2928	0.4000	0.4189	
33 Methyl tert-butyl ether	73	3.296	3.306	-0.010	94	7762	0.4000	0.4163	
34 Acrylonitrile	53	3.327	3.337	-0.010	99	12790	4.00	5.19	
35 Hexane	57	3.482	3.493	-0.011	89	5271	0.4000	0.4768	

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	3.659	3.669	-0.010	94	5610	0.4000	0.4343	
39 Vinyl acetate	43	3.700	3.700	0.000	99	11148	0.8000	0.8695	
42 2,2-Dichloropropane	77	4.104	4.125	-0.021	65	5403	0.4000	0.5206	
43 cis-1,2-Dichloroethene	96	4.125	4.135	-0.010	83	3080	0.4000	0.3997	
44 2-Butanone (MEK)	43	4.166	4.156	0.010	97	5350	2.00	2.24	
47 Chlorobromomethane	128	4.322	4.332	-0.010	90	1736	0.4000	0.4342	
48 Tetrahydrofuran	42	4.374	4.363	0.011	53	4167	0.8000	2.30	
50 Chloroform	83	4.384	4.394	-0.010	94	6138	0.4000	0.5165	
51 1,1,1-Trichloroethane	97	4.498	4.498	0.000	97	4659	0.4000	0.4248	
52 Cyclohexane	56	4.519	4.519	0.000	32	5888	0.4000	0.4424	
53 Carbon tetrachloride	117	4.612	4.622	-0.010	78	4199	0.4000	0.4254	
54 1,1-Dichloropropene	75	4.612	4.622	-0.010	89	3622	0.4000	0.4085	
56 Isobutyl alcohol	43	4.778	4.767	0.011	47	3427	10.0	13.2	
55 Benzene	78	4.778	4.778	0.000	94	12526	0.4000	0.4670	
57 1,2-Dichloroethane	62	4.819	4.819	0.000	95	4770	0.4000	0.4660	
59 n-Heptane	43	4.923	4.933	-0.010	91	6265	0.4000	0.1487	
60 Trichloroethene	95	5.265	5.265	0.000	93	3251	0.4000	0.4654	
62 Methylcyclohexane	83	5.379	5.379	0.000	91	4357	0.4000	0.3755	
63 1,2-Dichloropropane	63	5.441	5.451	-0.010	92	3363	0.4000	0.4628	
65 Dibromomethane	93	5.545	5.555	-0.010	91	1874	0.4000	0.4396	
66 1,4-Dioxane	88	5.581	5.565	0.016	1	0	8.00	0	
67 Dichlorobromomethane	83	5.669	5.669	0.000	89	3507	0.4000	0.4100	
69 2-Chloroethyl vinyl ether	63	5.866	5.876	-0.010	85	2137	0.4000	0.4593	
71 cis-1,3-Dichloropropene	75	5.990	5.990	0.000	89	4634	0.4000	0.4391	
72 4-Methyl-2-pentanone (MIBK)	43	6.094	6.094	0.000	96	14444	2.00	2.47	
73 Toluene	92	6.218	6.218	0.000	98	7884	0.4000	0.4451	
75 trans-1,3-Dichloropropene	75	6.415	6.415	0.000	87	3938	0.4000	0.3990	
77 Ethyl methacrylate	69	6.446	6.446	0.000	89	4068	0.4000	0.5031	
78 1,1,2-Trichloroethane	83	6.560	6.560	0.000	89	2689	0.4000	0.5440	
79 Tetrachloroethene	166	6.633	6.633	0.000	90	3384	0.4000	0.4210	
80 1,3-Dichloropropane	76	6.685	6.685	0.000	92	4721	0.4000	0.4683	
81 2-Hexanone	43	6.726	6.726	0.000	92	9958	2.00	2.54	
82 Chlorodibromomethane	129	6.871	6.871	0.000	88	3032	0.4000	0.4266	
83 Ethylene Dibromide	107	6.954	6.954	0.000	95	2678	0.4000	0.4159	
86 Chlorobenzene	112	7.317	7.317	0.000	94	8666	0.4000	0.4333	
89 1,1,1,2-Tetrachloroethane	131	7.379	7.379	0.000	46	3158	0.4000	0.4195	
88 Ethylbenzene	91	7.379	7.379	0.000	98	14942	0.4000	0.4482	
90 m-Xylene & p-Xylene	106	7.472	7.472	0.000	0	5778	0.4000	0.4272	
91 o-Xylene	106	7.793	7.793	0.000	95	5890	0.4000	0.4371	
92 Styrene	104	7.804	7.804	0.000	95	9033	0.4000	0.4242	
93 Bromoform	173	7.990	7.990	0.000	83	1663	0.4000	0.4223	
95 Isopropylbenzene	105	8.073	8.073	0.000	95	14836	0.4000	0.4247	
97 Bromobenzene	156	8.353	8.353	0.000	92	4372	0.4000	0.4771	
98 1,1,2,2-Tetrachloroethane	83	8.363	8.363	0.000	92	4212	0.4000	0.5865	
101 trans-1,4-Dichloro-2-buten	53	8.405	8.395	0.010	75	1767	0.4000	0.6212	
100 1,2,3-Trichloropropane	110	8.394	8.395	-0.001	85	1356	0.4000	0.5429	
99 N-Propylbenzene	91	8.405	8.405	0.000	98	16806	0.4000	0.4166	
105 2-Chlorotoluene	126	8.498	8.498	0.000	80	4096	0.4000	0.4823	
104 1,3,5-Trimethylbenzene	105	8.540	8.540	0.000	93	13514	0.4000	0.4539	
102 4-Chlorotoluene	91	8.581	8.581	0.000	96	11934	0.4000	0.4755	
106 tert-Butylbenzene	134	8.809	8.809	0.000	91	2762	0.4000	0.4040	
107 1,2,4-Trimethylbenzene	105	8.850	8.851	0.000	97	13876	0.4000	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	8.985	8.985	0.000	94	16897	0.4000	0.4331	
111 4-Isopropyltoluene	119	9.099	9.099	0.000	97	14220	0.4000	0.4291	
110 1,3-Dichlorobenzene	146	9.110	9.110	0.000	96	8496	0.4000	0.4776	
113 1,4-Dichlorobenzene	146	9.182	9.182	0.000	89	8267	0.4000	0.4559	
115 n-Butylbenzene	91	9.441	9.441	0.000	96	13203	0.4000	0.4514	
116 1,2-Dichlorobenzene	146	9.493	9.493	0.000	95	8037	0.4000	0.4618	
117 1,2-Dibromo-3-Chloropropan	75	10.156	10.156	0.000	76	968	0.4000	0.7287	
119 1,2,4-Trichlorobenzene	180	10.809	10.819	-0.010	92	6074	0.4000	0.4660	
120 Hexachlorobutadiene	225	10.923	10.923	0.000	89	2928	0.4000	0.4566	
121 Naphthalene	128	11.016	11.016	0.000	96	15176	0.4000	0.5221	
122 1,2,3-Trichlorobenzene	180	11.213	11.213	0.000	92	6050	0.4000	0.5022	
S 123 1,3-Dichloropropene, Total	1				0			0.8381	
S 124 1,2-Dichloroethene, Total	1				0			0.8186	
S 125 Total BTEX	1				0			2.22	
S 126 Xylenes, Total	1				0			0.8643	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00062

Amount Added: 0.40

Units: uL

GAS CORP mix_00128

Amount Added: 0.40

Units: uL

T_8260_IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00118

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3687.D

Injection Date: 31-Dec-2015 16:15:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: IC 0.4

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

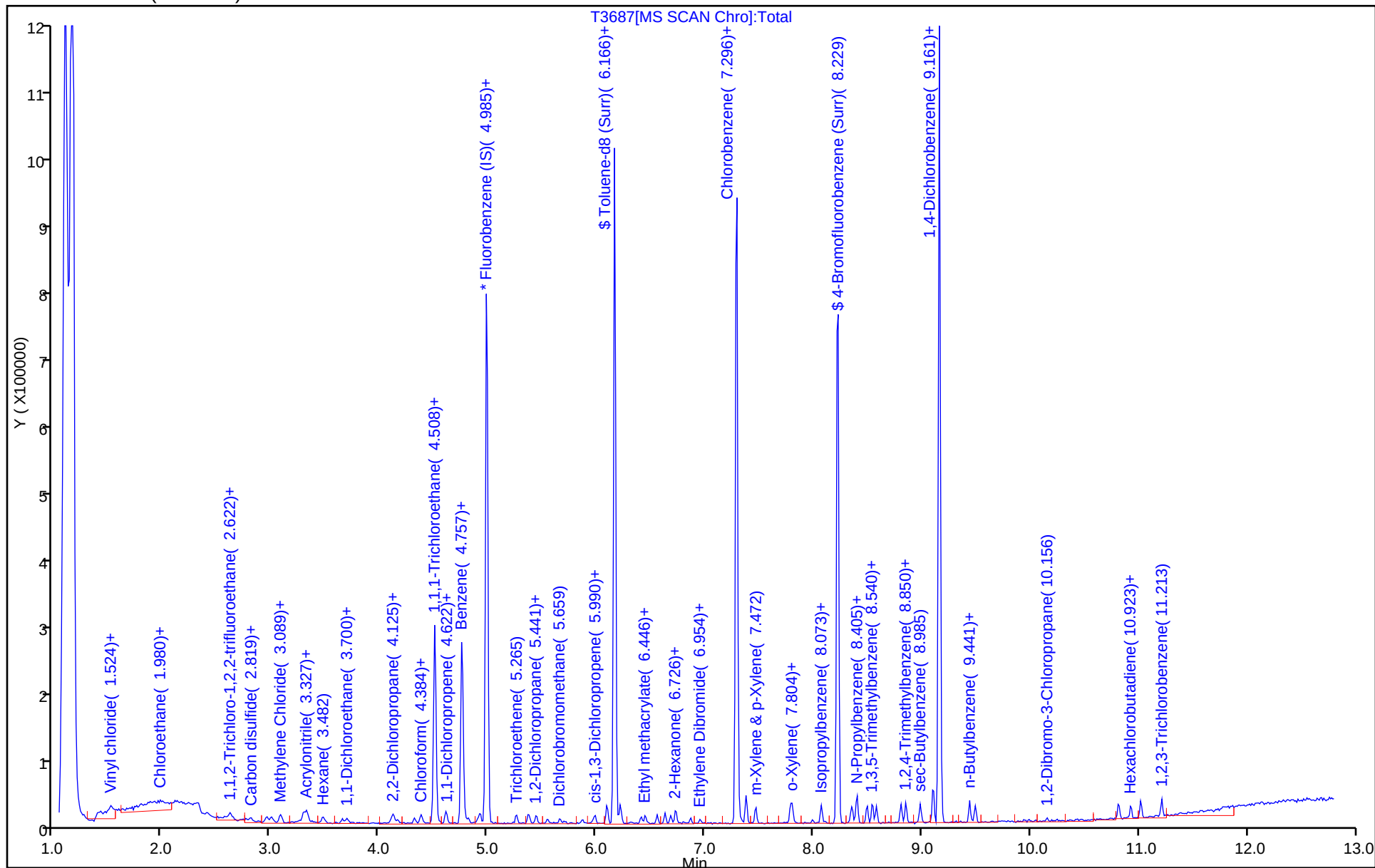
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3687.D

Injection Date: 31-Dec-2015 16:15:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: gtg

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

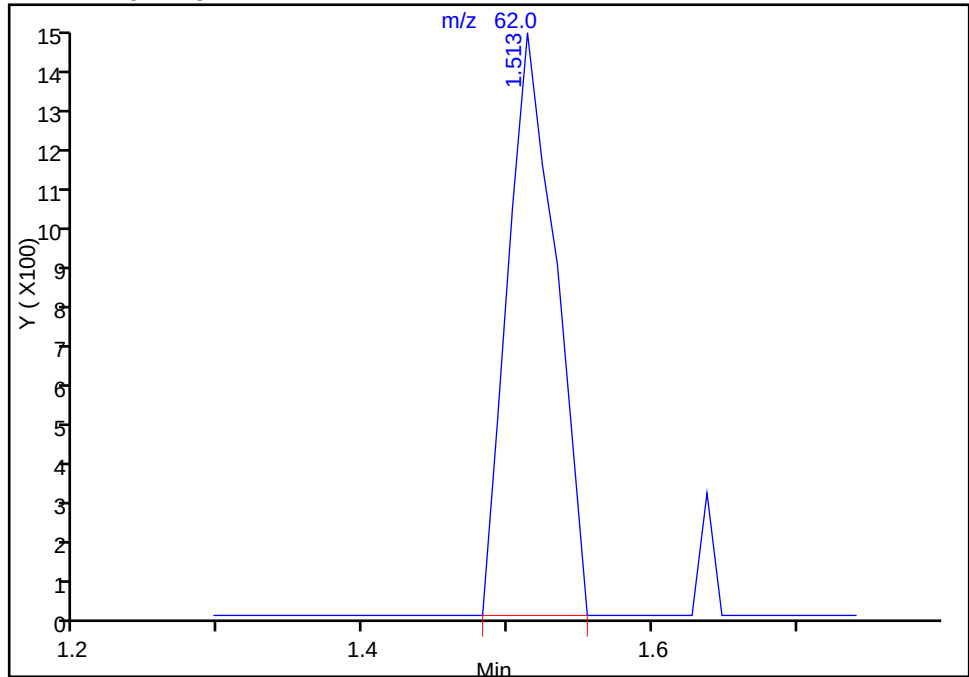
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4

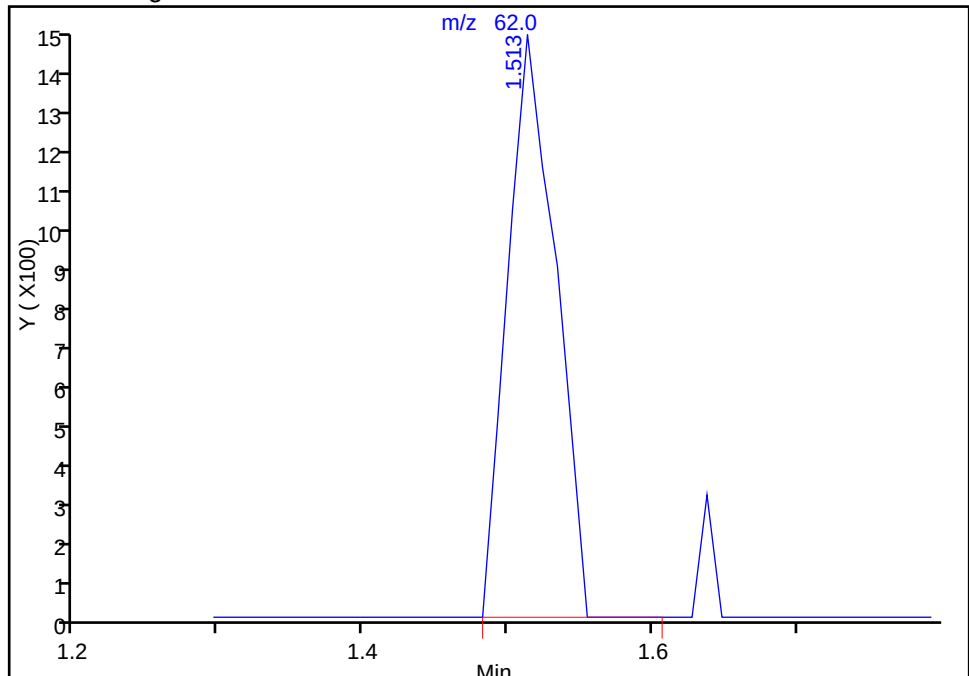
RT: 1.51
Area: 3363
Amount: 0.292822
Amount Units: ug/L

Processing Integration Results



RT: 1.51
Area: 3364
Amount: 0.414717
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Jan-2016 13:29:22

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3687.D

Injection Date: 31-Dec-2015 16:15:30

Instrument ID: HP5975T

Lims ID: IC 0.4

Client ID:

Operator ID: gtg

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

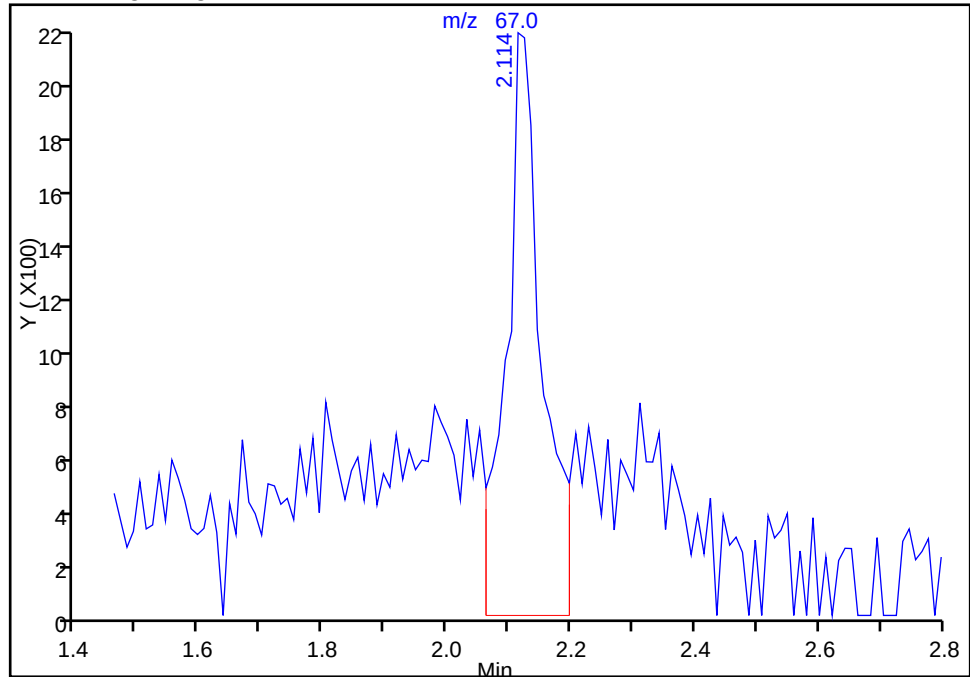
Detector

MS SCAN

18 Dichlorofluoromethane, CAS: 75-43-4

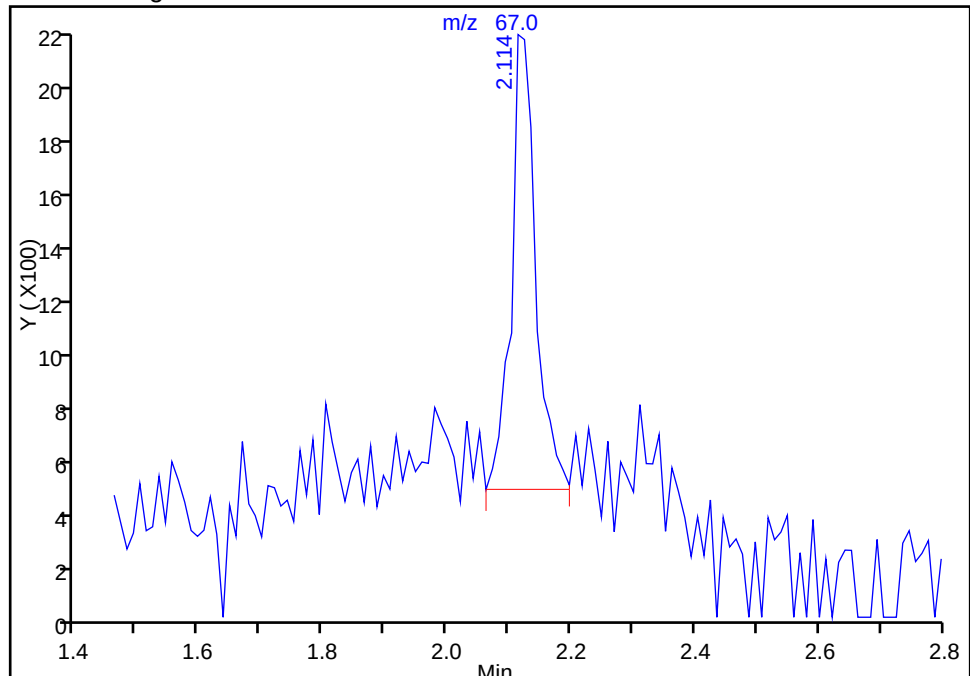
RT: 2.11
Area: 8882
Amount: 0.784034
Amount Units: ug/L

Processing Integration Results



RT: 2.11
Area: 4686
Amount: 0.496791
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Jan-2016 13:29:22

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3688.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 31-Dec-2015 16:39:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0049677-005
 Operator ID: gtg Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jan-2016 14:33:39 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK029

First Level Reviewer: HillL

Date: 02-Jan-2016 13:31:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.995	4.995	0.000	99	107183	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	86	446861	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.161	0.000	95	241523	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.508	4.519	-0.011	93	130436	25.0	25.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.767	-0.010	0	144950	25.0	25.5	
\$ 6 Toluene-d8 (Surr)	98	6.166	6.166	0.000	94	496592	25.0	24.7	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	94	186519	25.0	24.6	
11 Dichlorodifluoromethane	85	1.306	1.306	0.000	95	9030	1.00	1.10	
13 Chloromethane	50	1.410	1.420	-0.010	98	10199	1.00	1.23	
151 Butadiene	54	1.534	1.545	-0.011	90	9339	1.00	1.22	
14 Vinyl chloride	62	1.524	1.545	-0.021	77	9266	1.00	1.16	
15 Bromomethane	94	1.804	1.824	-0.020	77	3299	1.00	1.12	
16 Chloroethane	64	1.897	1.907	-0.010	87	3236	1.00	1.06	
18 Dichlorofluoromethane	67	2.135	2.146	-0.011	98	9659	1.00	1.04	M
17 Trichlorofluoromethane	101	2.166	2.187	-0.021	92	9088	1.00	1.04	
19 Ethyl ether	59	2.415	2.425	-0.010	92	7002	1.00	1.14	
21 Acrolein	56	2.581	2.581	0.000	93	5379	5.00	5.77	
22 1,1-Dichloroethene	96	2.633	2.633	0.000	96	7227	1.00	1.13	
20 1,1,2-Trichloro-1,2,2-trif	101	2.633	2.643	-0.010	65	6442	1.00	1.01	
23 Acetone	43	2.736	2.736	0.000	97	8714	5.00	5.96	
24 Iodomethane	142	2.778	2.778	0.000	97	13104	1.00	1.10	
25 Carbon disulfide	76	2.819	2.819	0.000	99	21582	1.00	1.11	
27 3-Chloro-1-propene	41	2.964	2.964	0.000	86	10934	1.00	1.09	
28 Methyl acetate	43	3.006	3.006	0.000	98	21693	5.00	4.98	
30 Methylene Chloride	84	3.099	3.099	0.000	95	10091	1.00	1.02	
31 2-Methyl-2-propanol	59	3.265	3.254	0.011	68	6708	10.0	9.35	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	97	7797	1.00	1.13	
33 Methyl tert-butyl ether	73	3.317	3.306	0.011	95	20654	1.00	1.12	
34 Acrylonitrile	53	3.337	3.337	0.000	99	25961	10.0	10.7	
35 Hexane	57	3.482	3.493	-0.011	91	12595	1.00	1.15	

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	3.659	3.669	-0.010	96	13518	1.00	1.06	
39 Vinyl acetate	43	3.700	3.700	0.000	97	24986	2.00	1.97	
42 2,2-Dichloropropane	77	4.115	4.125	-0.010	80	12547	1.00	1.22	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	84	8550	1.00	1.12	
44 2-Butanone (MEK)	43	4.166	4.156	0.010	99	12355	5.00	5.24	
47 Chlorobromomethane	128	4.322	4.332	-0.010	88	3963	1.00	1.00	
48 Tetrahydrofuran	42	4.384	4.363	0.021	49	4282	2.00	2.39	
50 Chloroform	83	4.384	4.394	-0.010	96	13128	1.00	1.12	
51 1,1,1-Trichloroethane	97	4.508	4.498	0.010	35	11604	1.00	1.07	
52 Cyclohexane	56	4.519	4.519	0.000	35	14664	1.00	1.11	
53 Carbon tetrachloride	117	4.612	4.622	-0.010	90	10582	1.00	1.08	
54 1,1-Dichloropropene	75	4.612	4.622	-0.010	89	9804	1.00	1.12	
56 Isobutyl alcohol	43	4.778	4.767	0.011	44	6655	25.0	26.0	
55 Benzene	78	4.778	4.778	0.000	93	29021	1.00	1.09	
57 1,2-Dichloroethane	62	4.819	4.819	0.000	98	11192	1.00	1.11	
59 n-Heptane	43	4.933	4.933	0.000	94	14583	1.00	1.03	
60 Trichloroethene	95	5.265	5.265	0.000	92	7527	1.00	1.09	
62 Methylcyclohexane	83	5.379	5.379	0.000	90	13457	1.00	1.17	
63 1,2-Dichloropropane	63	5.441	5.451	-0.010	92	8151	1.00	1.13	
65 Dibromomethane	93	5.555	5.555	0.000	93	4529	1.00	1.07	
66 1,4-Dioxane	88	5.586	5.565	0.021	0	1056	20.0	14.5	M
67 Dichlorobromomethane	83	5.669	5.669	0.000	97	8703	1.00	1.03	
69 2-Chloroethyl vinyl ether	63	5.876	5.876	0.000	89	5298	1.00	1.15	
71 cis-1,3-Dichloropropene	75	5.990	5.990	0.000	89	10446	1.00	1.00	
72 4-Methyl-2-pentanone (MIBK)	43	6.094	6.094	0.000	97	29441	5.00	5.08	
73 Toluene	92	6.218	6.218	0.000	97	20383	1.00	1.16	
75 trans-1,3-Dichloropropene	75	6.415	6.415	0.000	95	10194	1.00	1.04	
77 Ethyl methacrylate	69	6.446	6.446	0.000	91	8260	1.00	1.03	
78 1,1,2-Trichloroethane	83	6.560	6.560	0.000	92	5302	1.00	1.08	
79 Tetrachloroethene	166	6.633	6.633	0.000	95	8202	1.00	1.03	
80 1,3-Dichloropropane	76	6.685	6.685	0.000	92	10480	1.00	1.05	
81 2-Hexanone	43	6.726	6.726	0.000	95	19262	5.00	4.95	
82 Chlorodibromomethane	129	6.871	6.871	0.000	90	6648	1.00	0.9426	
83 Ethylene Dibromide	107	6.954	6.954	0.000	96	6610	1.00	1.03	
86 Chlorobenzene	112	7.317	7.317	0.000	96	20756	1.00	1.05	
89 1,1,1,2-Tetrachloroethane	131	7.379	7.379	0.000	44	7591	1.00	1.02	
88 Ethylbenzene	91	7.379	7.379	0.000	98	36003	1.00	1.09	
90 m-Xylene & p-Xylene	106	7.472	7.472	0.000	0	14037	1.00	1.05	
91 o-Xylene	106	7.793	7.793	0.000	96	13101	1.00	0.9798	
92 Styrene	104	7.804	7.804	0.000	96	21597	1.00	1.02	
93 Bromoform	173	7.990	7.990	0.000	93	3988	1.00	1.02	
95 Isopropylbenzene	105	8.073	8.073	0.000	95	36848	1.00	1.07	
97 Bromobenzene	156	8.353	8.353	0.000	89	9781	1.00	1.08	
98 1,1,2,2-Tetrachloroethane	83	8.363	8.363	0.000	92	7406	1.00	1.05	
101 trans-1,4-Dichloro-2-buten	53	8.395	8.395	0.000	74	2974	1.00	1.06	
100 1,2,3-Trichloropropane	110	8.395	8.395	0.000	90	2709	1.00	1.10	
99 N-Propylbenzene	91	8.405	8.405	0.000	98	41464	1.00	1.04	
105 2-Chlorotoluene	126	8.498	8.498	0.000	97	8794	1.00	1.05	
104 1,3,5-Trimethylbenzene	105	8.540	8.540	0.000	93	31957	1.00	1.09	
102 4-Chlorotoluene	91	8.581	8.581	0.000	98	26305	1.00	1.06	
106 tert-Butylbenzene	134	8.809	8.809	0.000	92	6960	1.00	1.03	
107 1,2,4-Trimethylbenzene	105	8.851	8.851	0.000	95	34359	1.00	1.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.985	8.985	0.000	94	41272	1.00	1.07	
111 4-Isopropyltoluene	119	9.099	9.099	0.000	96	33940	1.00	1.04	
110 1,3-Dichlorobenzene	146	9.110	9.110	0.000	94	18375	1.00	1.05	
113 1,4-Dichlorobenzene	146	9.182	9.182	0.000	93	19112	1.00	1.07	
115 n-Butylbenzene	91	9.441	9.441	0.000	96	30802	1.00	1.07	
116 1,2-Dichlorobenzene	146	9.493	9.493	0.000	97	19187	1.00	1.12	
117 1,2-Dibromo-3-Chloropropan	75	10.156	10.156	0.000	78	1476	1.00	1.13	
119 1,2,4-Trichlorobenzene	180	10.819	10.819	0.000	96	13798	1.00	1.07	
120 Hexachlorobutadiene	225	10.923	10.923	0.000	92	6393	1.00	1.01	
121 Naphthalene	128	11.016	11.016	0.000	96	30600	1.00	1.07	
122 1,2,3-Trichlorobenzene	180	11.213	11.213	0.000	91	12210	1.00	1.03	
S 123 1,3-Dichloropropene, Total	1				0			2.04	
S 124 1,2-Dichloroethene, Total	1				0			2.25	
S 125 Total BTEX	1				0			5.37	
S 126 Xylenes, Total	1				0			2.03	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00062

Amount Added: 1.00

Units: uL

GAS CORP mix_00128

Amount Added: 1.00

Units: uL

T_8260_IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00118

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20151231-49677.b\\T3688.D

Injection Date: 31-Dec-2015 16:39:30

Instrument ID: HP5975T

Lims ID: IC

Operator ID: gtg

Client ID:

Worklist Smp#: 5

Purge Vol: 5.000 mL

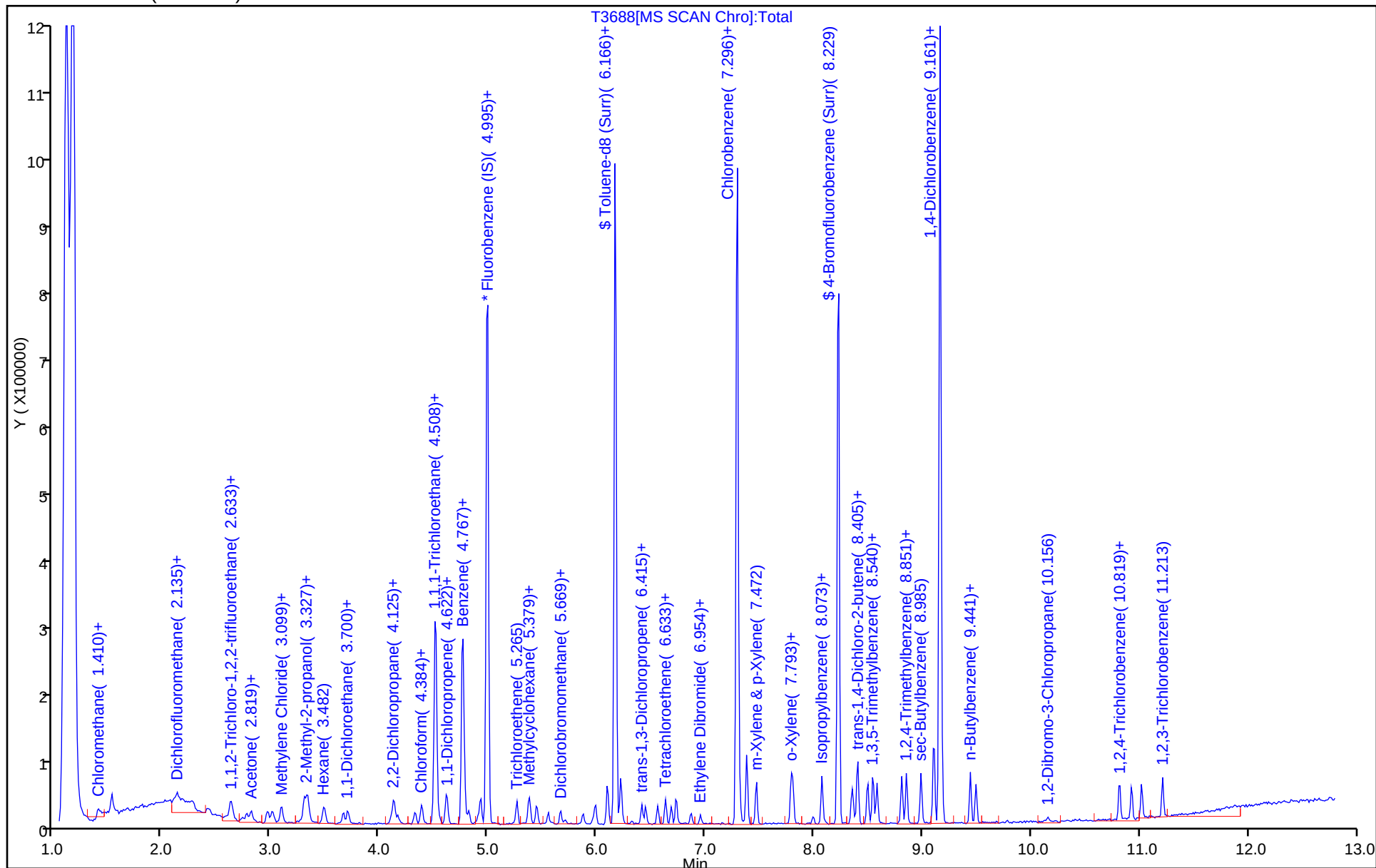
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3688.D

Injection Date: 31-Dec-2015 16:39:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: gtg

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

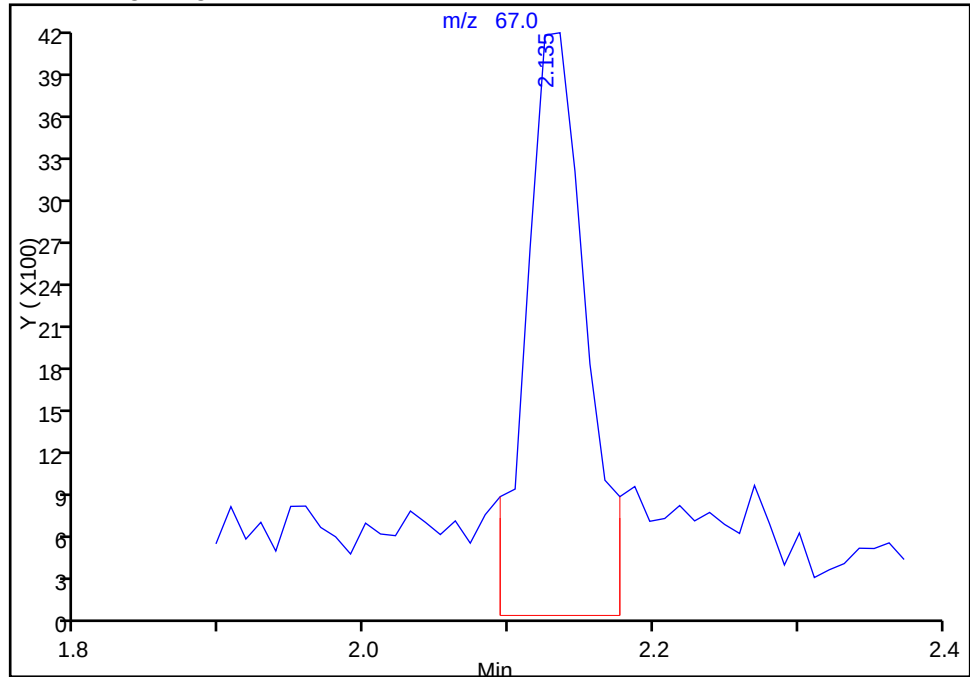
Column: ZB-624 (0.25 mm)

Detector: MS SCAN

18 Dichlorofluoromethane, CAS: 75-43-4

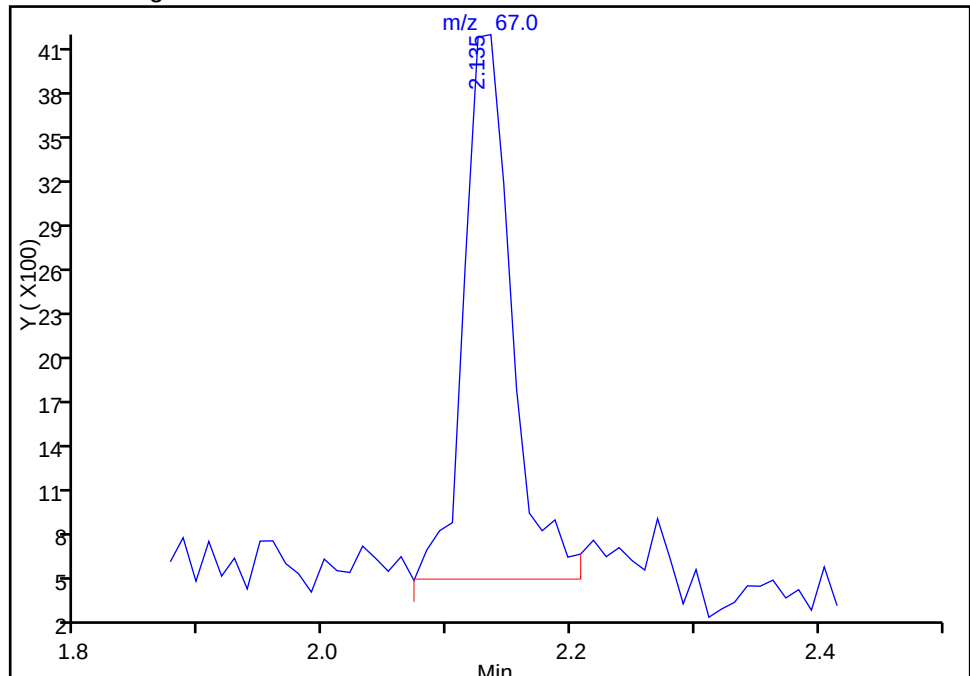
RT: 2.14
Area: 12027
Amount: 1.214778
Amount Units: ug/L

Processing Integration Results



RT: 2.14
Area: 9659
Amount: 1.036085
Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Jan-2016 13:31:33

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3688.D

Injection Date: 31-Dec-2015 16:39:30

Instrument ID: HP5975T

Lims ID: IC

Client ID:

Operator ID: gtg

ALS Bottle#:

4

Worklist Smp#:

5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: T-8260

Limit Group:

MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector

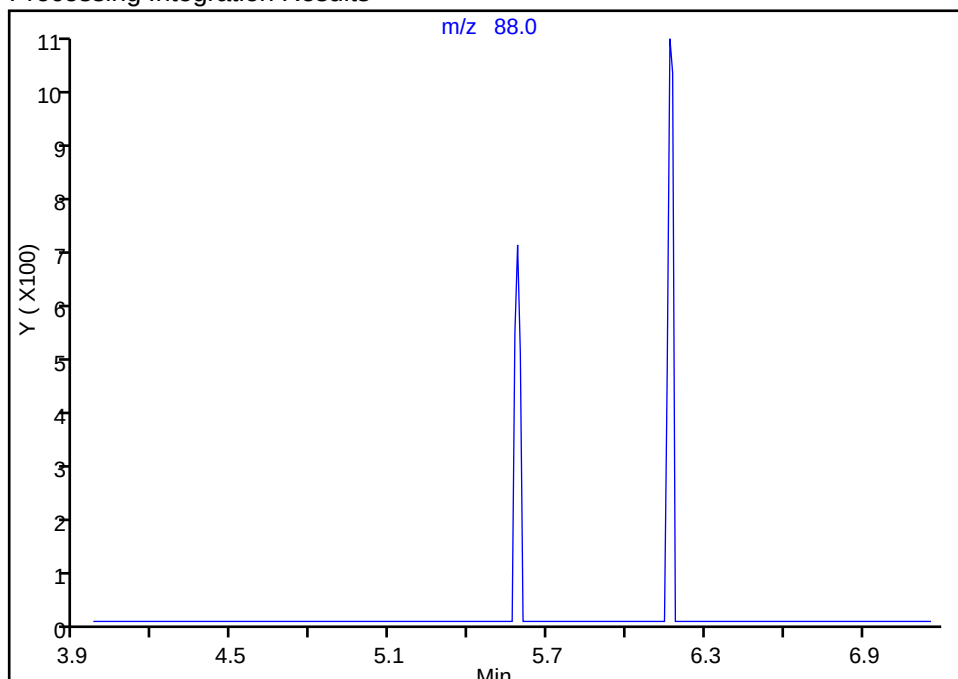
MS SCAN

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

Not Detected

Expected RT: 5.57

Processing Integration Results



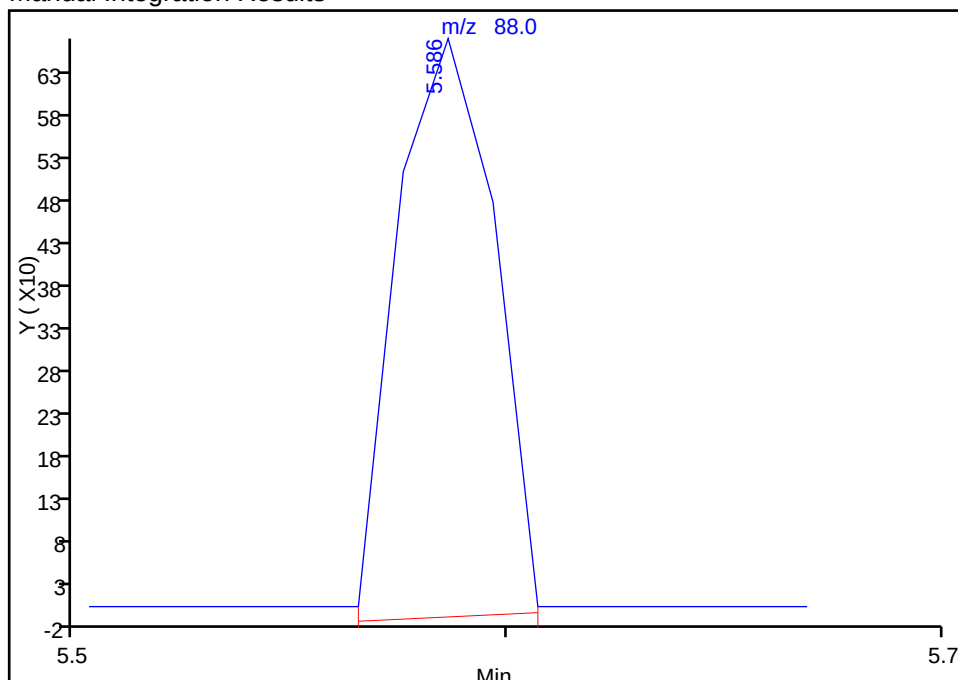
RT: 5.59

Area: 1056

Amount: 14.450453

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Jan-2016 13:31:33

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3689.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 31-Dec-2015 17:02:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0049677-006
 Operator ID: gtg Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jan-2016 14:33:43 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK029

First Level Reviewer: HillL

Date: 02-Jan-2016 13:35:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.995	4.995	0.000	99	108414	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	86	447336	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.161	0.000	96	246545	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.508	4.519	-0.011	95	130076	25.0	25.3	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.767	4.767	0.000	0	142449	25.0	24.8	
\$ 6 Toluene-d8 (Surr)	98	6.166	6.166	0.000	94	495518	25.0	24.6	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	94	189572	25.0	25.0	
11 Dichlorodifluoromethane	85	1.306	1.306	0.000	60	17832	2.00	2.15	
13 Chloromethane	50	1.410	1.420	-0.010	99	18379	2.00	2.19	
151 Butadiene	54	1.534	1.545	-0.011	89	16511	2.00	2.14	
14 Vinyl chloride	62	1.524	1.545	-0.021	78	17727	2.00	2.19	
15 Bromomethane	94	1.814	1.824	-0.010	92	6027	2.00	2.02	
16 Chloroethane	64	1.907	1.907	0.000	96	6952	2.00	2.26	
18 Dichlorofluoromethane	67	2.135	2.146	-0.011	96	20125	2.00	2.13	
17 Trichlorofluoromethane	101	2.177	2.187	-0.010	94	18892	2.00	2.13	
19 Ethyl ether	59	2.415	2.425	-0.010	94	12733	2.00	2.05	
21 Acrolein	56	2.581	2.581	0.000	95	9294	10.0	9.85	
22 1,1-Dichloroethene	96	2.622	2.633	-0.011	96	14515	2.00	2.24	
20 1,1,2-Trichloro-1,2,2-trif	101	2.633	2.643	-0.010	64	14596	2.00	2.27	
23 Acetone	43	2.736	2.736	0.000	99	15114	10.0	10.2	
24 Iodomethane	142	2.778	2.778	0.000	100	25211	2.00	2.08	
25 Carbon disulfide	76	2.819	2.819	0.000	100	43121	2.00	2.19	
27 3-Chloro-1-propene	41	2.964	2.964	0.000	89	22476	2.00	2.22	
28 Methyl acetate	43	3.006	3.006	0.000	99	46889	10.0	10.7	
30 Methylene Chloride	84	3.099	3.099	0.000	96	15395	2.00	1.84	
31 2-Methyl-2-propanol	59	3.254	3.254	0.000	90	14685	20.0	20.2	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	98	15275	2.00	2.19	
33 Methyl tert-butyl ether	73	3.317	3.306	0.011	96	39749	2.00	2.13	
34 Acrylonitrile	53	3.337	3.337	0.000	98	49334	20.0	20.0	
35 Hexane	57	3.482	3.493	-0.011	93	24899	2.00	2.25	

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	3.659	3.669	-0.010	97	27123	2.00	2.10	
39 Vinyl acetate	43	3.700	3.700	0.000	97	51505	4.00	4.02	
42 2,2-Dichloropropane	77	4.115	4.125	-0.010	84	22778	2.00	2.20	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	83	15876	2.00	2.06	
44 2-Butanone (MEK)	43	4.166	4.156	0.010	100	23480	10.0	9.84	
47 Chlorobromomethane	128	4.322	4.332	-0.010	91	8427	2.00	2.11	
48 Tetrahydrofuran	42	4.374	4.363	0.011	90	7545	4.00	4.17	
50 Chloroform	83	4.384	4.394	-0.010	95	25386	2.00	2.14	
51 1,1,1-Trichloroethane	97	4.498	4.498	0.000	98	22580	2.00	2.06	
52 Cyclohexane	56	4.519	4.519	0.000	94	29616	2.00	2.23	
53 Carbon tetrachloride	117	4.612	4.622	-0.010	84	20272	2.00	2.05	
54 1,1-Dichloropropene	75	4.612	4.622	-0.010	90	19163	2.00	2.16	
56 Isobutyl alcohol	43	4.778	4.767	0.011	45	12842	50.0	49.7	
55 Benzene	78	4.778	4.778	0.000	95	57314	2.00	2.14	
57 1,2-Dichloroethane	62	4.819	4.819	0.000	98	21747	2.00	2.13	
59 n-Heptane	43	4.923	4.933	-0.010	92	24121	2.00	2.00	
60 Trichloroethene	95	5.265	5.265	0.000	94	14573	2.00	2.09	
62 Methylcyclohexane	83	5.379	5.379	0.000	94	25588	2.00	2.21	
63 1,2-Dichloropropane	63	5.441	5.451	-0.010	92	14842	2.00	2.04	
65 Dibromomethane	93	5.555	5.555	0.000	92	8423	2.00	1.98	
66 1,4-Dioxane	88	5.576	5.565	0.011	0	2858	40.0	39.1	M
67 Dichlorobromomethane	83	5.669	5.669	0.000	97	17123	2.00	2.00	
69 2-Chloroethyl vinyl ether	63	5.876	5.876	0.000	90	9602	2.00	2.06	
71 cis-1,3-Dichloropropene	75	5.990	5.990	0.000	91	21868	2.00	2.07	
72 4-Methyl-2-pentanone (MIBK)	43	6.094	6.094	0.000	96	57121	10.0	9.84	
73 Toluene	92	6.218	6.218	0.000	98	36430	2.00	2.07	
75 trans-1,3-Dichloropropene	75	6.415	6.415	0.000	97	20066	2.00	2.05	
77 Ethyl methacrylate	69	6.446	6.446	0.000	91	15709	2.00	1.96	
78 1,1,2-Trichloroethane	83	6.560	6.560	0.000	94	9818	2.00	2.00	
79 Tetrachloroethene	166	6.633	6.633	0.000	97	17066	2.00	2.14	
80 1,3-Dichloropropane	76	6.685	6.685	0.000	95	20165	2.00	2.01	
81 2-Hexanone	43	6.726	6.726	0.000	95	38535	10.0	9.90	
82 Chlorodibromomethane	129	6.871	6.871	0.000	91	13961	2.00	1.98	
83 Ethylene Dibromide	107	6.954	6.954	0.000	97	12892	2.00	2.02	
86 Chlorobenzene	112	7.317	7.317	0.000	95	40464	2.00	2.04	
89 1,1,1,2-Tetrachloroethane	131	7.379	7.379	0.000	45	15395	2.00	2.06	
88 Ethylbenzene	91	7.379	7.379	0.000	98	69067	2.00	2.09	
90 m-Xylene & p-Xylene	106	7.472	7.472	0.000	0	27308	2.00	2.03	
91 o-Xylene	106	7.793	7.793	0.000	96	27583	2.00	2.06	
92 Styrene	104	7.804	7.804	0.000	95	41966	2.00	1.98	
93 Bromoform	173	7.990	7.990	0.000	94	7307	2.00	1.87	
95 Isopropylbenzene	105	8.073	8.073	0.000	96	71655	2.00	2.04	
97 Bromobenzene	156	8.353	8.353	0.000	91	18855	2.00	2.05	
98 1,1,2,2-Tetrachloroethane	83	8.363	8.363	0.000	98	13534	2.00	1.87	
101 trans-1,4-Dichloro-2-buten	53	8.395	8.395	-0.001	74	5628	2.00	1.97	
100 1,2,3-Trichloropropane	110	8.395	8.395	-0.001	87	4918	2.00	1.96	
99 N-Propylbenzene	91	8.405	8.405	0.000	99	83571	2.00	2.06	
105 2-Chlorotoluene	126	8.498	8.498	0.000	96	17514	2.00	2.05	
104 1,3,5-Trimethylbenzene	105	8.540	8.540	0.000	94	58874	2.00	1.97	
102 4-Chlorotoluene	91	8.581	8.581	0.000	97	50960	2.00	2.02	
106 tert-Butylbenzene	134	8.809	8.809	0.000	91	14045	2.00	2.04	
107 1,2,4-Trimethylbenzene	105	8.850	8.851	0.000	96	64270	2.00	2.02	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.985	8.985	0.000	94	79429	2.00	2.02	
111 4-Isopropyltoluene	119	9.099	9.099	0.000	96	68677	2.00	2.06	
110 1,3-Dichlorobenzene	146	9.110	9.110	0.000	99	37196	2.00	2.08	
113 1,4-Dichlorobenzene	146	9.182	9.182	0.000	96	37897	2.00	2.08	
115 n-Butylbenzene	91	9.441	9.441	0.000	97	60253	2.00	2.05	
116 1,2-Dichlorobenzene	146	9.493	9.493	0.000	98	35165	2.00	2.01	
117 1,2-Dibromo-3-Chloropropan	75	10.156	10.156	0.000	83	2666	2.00	2.00	
119 1,2,4-Trichlorobenzene	180	10.819	10.819	0.000	94	26935	2.00	2.05	
120 Hexachlorobutadiene	225	10.933	10.923	0.010	94	14063	2.00	2.18	
121 Naphthalene	128	11.016	11.016	0.000	97	54713	2.00	1.87	
122 1,2,3-Trichlorobenzene	180	11.213	11.213	0.000	93	23474	2.00	1.94	
S 123 1,3-Dichloropropene, Total	1				0			4.12	
S 124 1,2-Dichloroethene, Total	1				0			4.25	
S 125 Total BTEX	1				0			10.4	
S 126 Xylenes, Total	1				0			4.09	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00128

Amount Added: 2.00

Units: uL

8260 CORP mix_00062

Amount Added: 2.00

Units: uL

T_8260_IS_00120

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_Surr_00118

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20151231-49677.b\\T3689.D

Injection Date: 31-Dec-2015 17:02:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

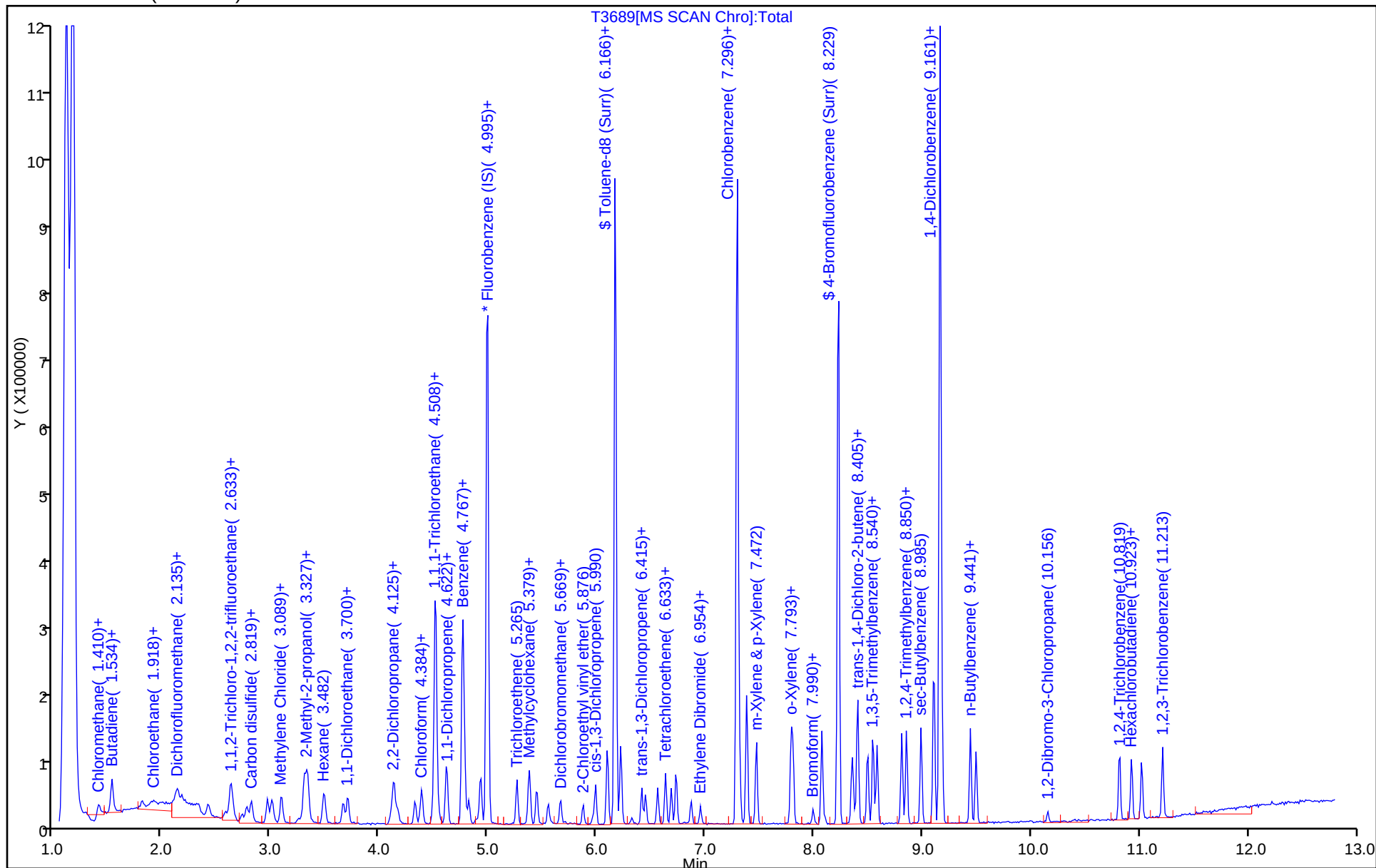
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Operator ID: gtg

Worklist Smp#: 6

ALS Bottle#: 5



TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3689.D

Injection Date: 31-Dec-2015 17:02:30

Instrument ID: HP5975T

Lims ID: IC 2

Client ID:

Operator ID: gtg

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

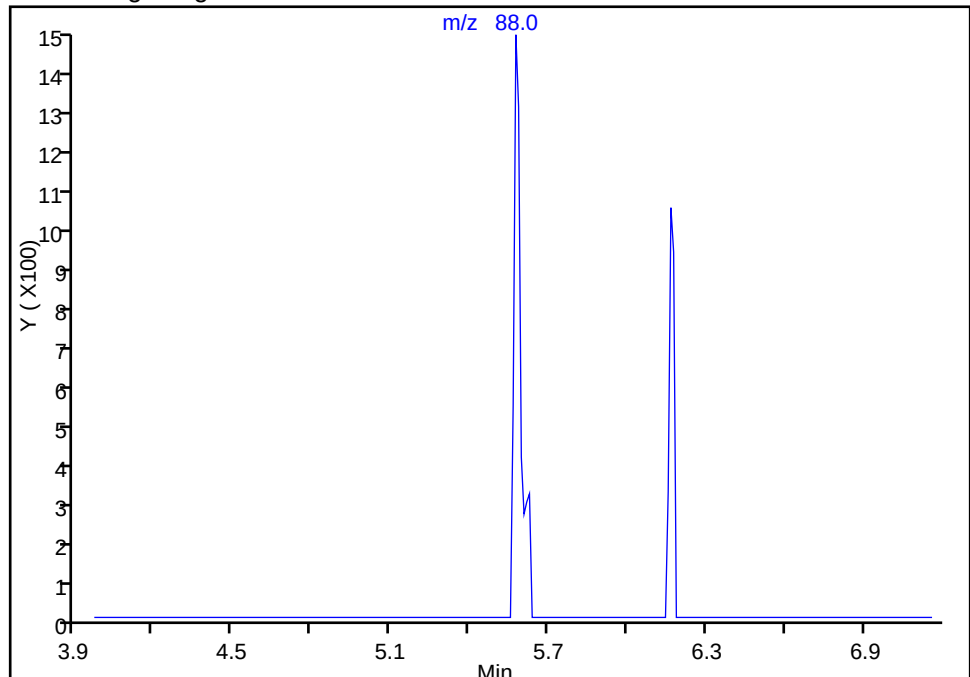
Detector: MS SCAN

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

Not Detected

Expected RT: 5.57

Processing Integration Results



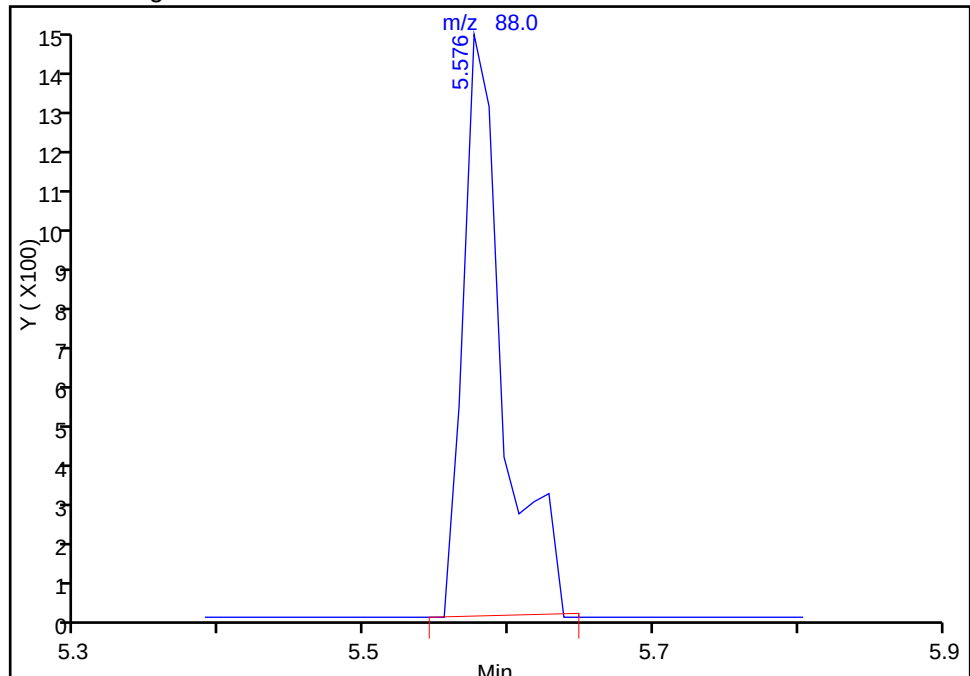
RT: 5.58

Area: 2858

Amount: 39.067747

Amount Units: ug/L

Manual Integration Results



Reviewer: HillL, 02-Jan-2016 13:35:12

Audit Action: Manually Integrated

Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3690.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 31-Dec-2015 17:26:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0049677-007
 Operator ID: gtg Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jan-2016 14:33:49 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK029

First Level Reviewer: HillL

Date: 02-Jan-2016 13:35:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.996	4.996	0.000	99	112516	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	86	441246	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.162	9.162	0.000	95	242711	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.519	4.519	0.000	95	127796	25.0	23.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.768	4.768	0.000	0	144939	25.0	24.3	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	506628	25.0	25.5	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	95	188643	25.0	25.2	
11 Dichlorodifluoromethane	85	1.306	1.306	0.000	99	43002	5.00	5.00	
13 Chloromethane	50	1.420	1.420	0.000	99	44846	5.00	5.16	
151 Butadiene	54	1.545	1.545	0.000	93	38472	5.00	4.81	
14 Vinyl chloride	62	1.534	1.534	0.000	96	43530	5.00	5.17	
15 Bromomethane	94	1.814	1.814	0.000	93	14092	5.00	4.54	
16 Chloroethane	64	1.907	1.907	0.000	97	12314	5.00	3.85	
18 Dichlorofluoromethane	67	2.146	2.146	0.000	96	47956	5.00	4.90	
17 Trichlorofluoromethane	101	2.187	2.187	0.000	96	46306	5.00	5.03	
19 Ethyl ether	59	2.426	2.426	0.000	93	30014	5.00	4.66	
21 Acrolein	56	2.581	2.581	0.000	100	24366	25.0	24.9	
22 1,1-Dichloroethene	96	2.633	2.633	0.000	97	33054	5.00	4.91	
20 1,1,2-Trichloro-1,2,2-trif	101	2.643	2.643	0.000	91	34136	5.00	5.12	
23 Acetone	43	2.737	2.737	0.000	100	35793	25.0	23.3	
24 Iodomethane	142	2.778	2.778	0.000	100	63912	5.00	5.09	
25 Carbon disulfide	76	2.819	2.819	0.000	100	103346	5.00	5.07	
27 3-Chloro-1-propene	41	2.975	2.975	0.000	88	52920	5.00	5.03	
28 Methyl acetate	43	3.006	3.006	0.000	98	108945	25.0	23.8	
30 Methylene Chloride	84	3.099	3.099	0.000	95	38493	5.00	5.24	
31 2-Methyl-2-propanol	59	3.265	3.265	0.000	96	36403	50.0	48.3	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	97	35236	5.00	4.86	
33 Methyl tert-butyl ether	73	3.306	3.306	0.000	98	92738	5.00	4.79	
34 Acrylonitrile	53	3.338	3.338	0.000	100	119422	50.0	46.7	
35 Hexane	57	3.493	3.493	0.000	93	54073	5.00	4.71	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.669	3.669	0.000	96	68749	5.00	5.13	
39 Vinyl acetate	43	3.711	3.711	0.000	97	126739	10.0	9.53	
42 2,2-Dichloropropane	77	4.115	4.115	0.000	93	54122	5.00	5.03	
43 cis-1,2-Dichloroethene	96	4.136	4.136	0.000	84	41081	5.00	5.14	
44 2-Butanone (MEK)	43	4.167	4.167	0.000	100	59696	25.0	24.1	
47 Chlorobromomethane	128	4.332	4.332	0.000	93	20745	5.00	5.00	
48 Tetrahydrofuran	42	4.374	4.374	0.000	86	19224	10.0	10.2	
50 Chloroform	83	4.395	4.395	0.000	94	63315	5.00	5.14	
51 1,1,1-Trichloroethane	97	4.498	4.498	0.000	98	56394	5.00	4.96	
52 Cyclohexane	56	4.519	4.519	0.000	93	68360	5.00	4.95	
53 Carbon tetrachloride	117	4.623	4.623	0.000	85	49992	5.00	4.88	
54 1,1-Dichloropropene	75	4.623	4.623	0.000	91	46466	5.00	5.05	
56 Isobutyl alcohol	43	4.778	4.778	0.000	89	31522	125.0	117.4	
55 Benzene	78	4.778	4.778	0.000	97	136092	5.00	4.89	
57 1,2-Dichloroethane	62	4.819	4.819	0.000	98	52913	5.00	4.98	
59 n-Heptane	43	4.933	4.933	0.000	92	54059	5.00	4.89	
60 Trichloroethene	95	5.265	5.265	0.000	94	37140	5.00	5.12	
62 Methylcyclohexane	83	5.379	5.379	0.000	94	59580	5.00	4.95	
63 1,2-Dichloropropane	63	5.452	5.452	0.000	91	36155	5.00	4.80	
65 Dibromomethane	93	5.555	5.555	0.000	93	22332	5.00	5.05	
66 1,4-Dioxane	88	5.576	5.576	0.000	94	7336	100.0	101.7	
67 Dichlorobromomethane	83	5.669	5.669	0.000	97	43061	5.00	4.85	
69 2-Chloroethyl vinyl ether	63	5.877	5.877	0.000	93	23042	5.00	4.77	
71 cis-1,3-Dichloropropene	75	5.991	5.991	0.000	93	54582	5.00	4.98	
72 4-Methyl-2-pentanone (MIBK)	43	6.094	6.094	0.000	97	143734	25.0	25.1	
73 Toluene	92	6.218	6.218	0.000	98	85741	5.00	4.94	
75 trans-1,3-Dichloropropene	75	6.415	6.415	0.000	97	49424	5.00	5.11	
77 Ethyl methacrylate	69	6.446	6.446	0.000	88	40990	5.00	5.17	
78 1,1,2-Trichloroethane	83	6.560	6.560	0.000	92	25406	5.00	5.25	
79 Tetrachloroethene	166	6.633	6.633	0.000	95	39934	5.00	5.07	
80 1,3-Dichloropropane	76	6.685	6.685	0.000	92	48715	5.00	4.93	
81 2-Hexanone	43	6.726	6.726	0.000	96	93685	25.0	24.4	
82 Chlorodibromomethane	129	6.871	6.871	0.000	88	34432	5.00	4.94	
83 Ethylene Dibromide	107	6.954	6.954	0.000	98	31868	5.00	5.05	
86 Chlorobenzene	112	7.317	7.317	0.000	96	99626	5.00	5.08	
89 1,1,1,2-Tetrachloroethane	131	7.379	7.379	0.000	45	35787	5.00	4.85	
88 Ethylbenzene	91	7.379	7.379	0.000	98	165407	5.00	5.06	
90 m-Xylene & p-Xylene	106	7.472	7.472	0.000	0	68067	5.00	5.14	
91 o-Xylene	106	7.794	7.794	0.000	96	67441	5.00	5.11	
92 Styrene	104	7.804	7.804	0.000	95	104842	5.00	5.03	
93 Bromoform	173	7.991	7.991	0.000	94	18006	5.00	4.67	
95 Isopropylbenzene	105	8.073	8.073	0.000	96	174502	5.00	5.05	
97 Bromobenzene	156	8.353	8.353	0.000	92	45779	5.00	5.04	
98 1,1,2,2-Tetrachloroethane	83	8.364	8.364	0.000	96	36285	5.00	5.10	
101 trans-1,4-Dichloro-2-buten	53	8.395	8.395	0.000	75	14138	5.00	5.02	
100 1,2,3-Trichloropropane	110	8.395	8.395	0.000	88	12199	5.00	4.93	
99 N-Propylbenzene	91	8.405	8.405	0.000	99	203196	5.00	5.09	
105 2-Chlorotoluene	126	8.498	8.498	0.000	96	42985	5.00	5.11	
104 1,3,5-Trimethylbenzene	105	8.540	8.540	0.000	95	147446	5.00	5.00	
102 4-Chlorotoluene	91	8.581	8.581	0.000	98	127850	5.00	5.14	
106 tert-Butylbenzene	134	8.809	8.809	0.000	93	34580	5.00	5.11	
107 1,2,4-Trimethylbenzene	105	8.851	8.851	0.000	97	155063	5.00	4.94	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.985	8.985	0.000	94	193992	5.00	5.02	
111 4-Isopropyltoluene	119	9.099	9.099	0.000	96	162132	5.00	4.94	
110 1,3-Dichlorobenzene	146	9.110	9.110	0.000	97	90496	5.00	5.14	
113 1,4-Dichlorobenzene	146	9.182	9.182	0.000	95	92975	5.00	5.18	
115 n-Butylbenzene	91	9.441	9.441	0.000	98	146830	5.00	5.07	
116 1,2-Dichlorobenzene	146	9.493	9.493	0.000	98	86056	5.00	4.99	
117 1,2-Dibromo-3-Chloropropan	75	10.156	10.156	0.000	84	6046	5.00	4.60	
119 1,2,4-Trichlorobenzene	180	10.820	10.820	0.000	95	62516	5.00	4.84	
120 Hexachlorobutadiene	225	10.923	10.923	0.000	96	31025	5.00	4.89	
121 Naphthalene	128	11.017	11.017	0.000	97	139243	5.00	4.84	
122 1,2,3-Trichlorobenzene	180	11.213	11.213	0.000	96	59471	5.00	4.98	
S 123 1,3-Dichloropropene, Total	1				0			10.1	
S 124 1,2-Dichloroethene, Total	1				0			10.0	
S 125 Total BTEX	1				0			25.1	
S 126 Xylenes, Total	1				0			10.2	

Reagents:

8260 CORP mix_00062	Amount Added: 5.00	Units: uL	
GAS CORP mix_00128	Amount Added: 5.00	Units: uL	
T_8260_IS_00120	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_Surr_00118	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3690.D

Injection Date: 31-Dec-2015 17:26:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: IC 3

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

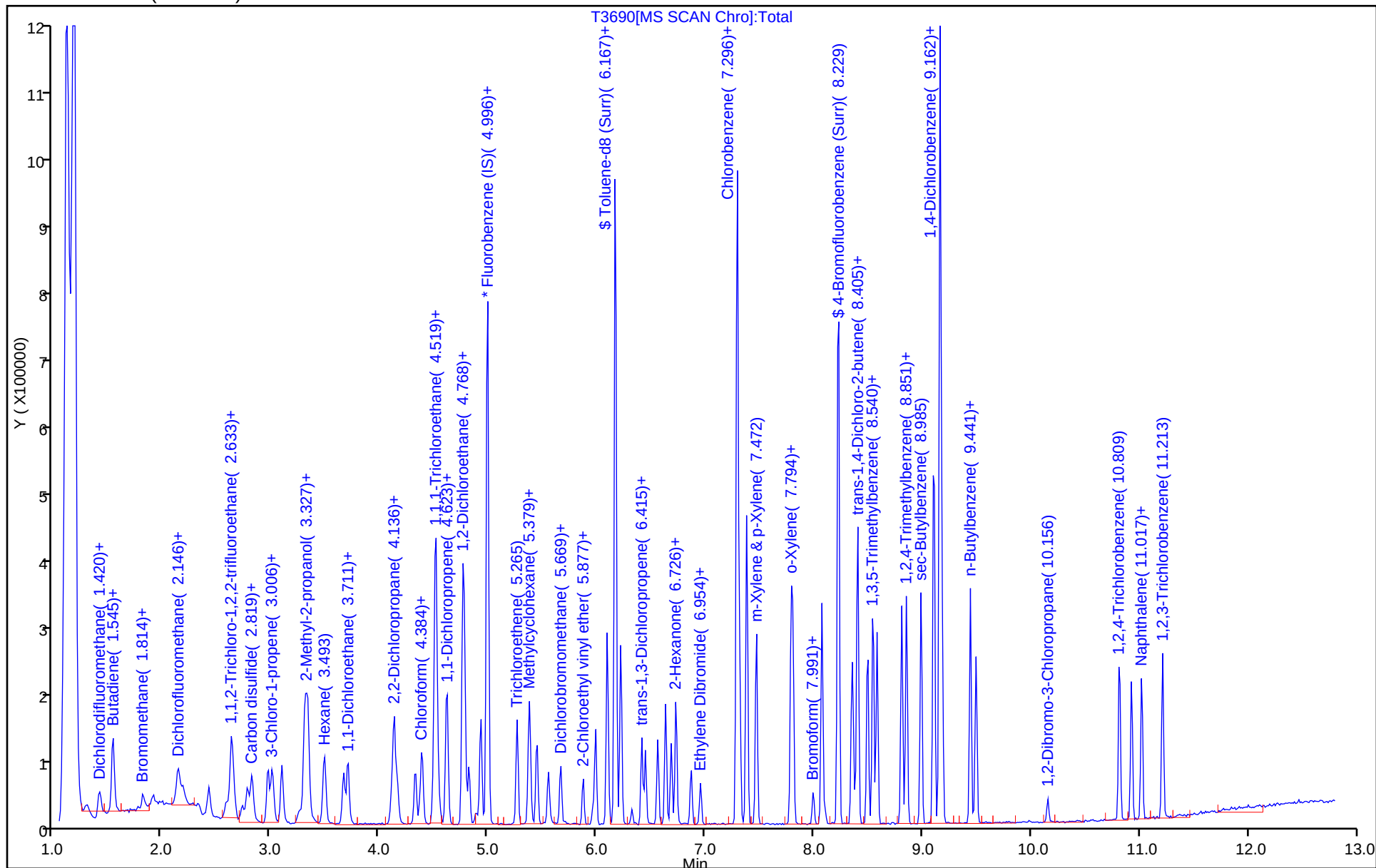
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3691.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 31-Dec-2015 17:49:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0049677-008
 Operator ID: gtg Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jan-2016 14:33:54 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK029

First Level Reviewer: HillL

Date: 02-Jan-2016 13:36:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.996	4.996	0.000	99	109481	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	87	441313	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.162	9.162	0.000	95	245231	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.509	4.519	-0.011	93	131801	25.0	25.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.768	4.768	0.000	0	145226	25.0	25.0	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	500751	25.0	25.2	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	94	187377	25.0	25.1	
11 Dichlorodifluoromethane	85	1.306	1.306	0.000	99	80687	10.0	9.64	
13 Chloromethane	50	1.420	1.420	0.000	99	84394	10.0	9.98	
151 Butadiene	54	1.545	1.545	0.000	91	76229	10.0	9.79	
14 Vinyl chloride	62	1.545	1.534	0.011	85	78657	10.0	9.61	
15 Bromomethane	94	1.824	1.814	0.010	94	27999	10.0	9.28	
16 Chloroethane	64	1.907	1.907	0.000	97	28991	10.0	9.32	
18 Dichlorofluoromethane	67	2.146	2.146	0.000	98	96560	10.0	10.1	
17 Trichlorofluoromethane	101	2.187	2.187	0.000	98	89086	10.0	9.95	
19 Ethyl ether	59	2.426	2.426	0.000	93	61873	10.0	9.88	
21 Acrolein	56	2.581	2.581	0.000	100	47994	50.0	50.4	
22 1,1-Dichloroethene	96	2.633	2.633	0.000	96	61707	10.0	9.43	
20 1,1,2-Trichloro-1,2,2-trif	101	2.643	2.643	0.000	90	63727	10.0	9.82	
23 Acetone	43	2.736	2.737	0.000	100	71555	50.0	47.9	
24 Iodomethane	142	2.778	2.778	0.000	100	118860	10.0	9.73	
25 Carbon disulfide	76	2.819	2.819	0.000	100	193965	10.0	9.77	
27 3-Chloro-1-propene	41	2.964	2.975	-0.011	89	102201	10.0	9.99	
28 Methyl acetate	43	3.006	3.006	0.000	98	220570	50.0	49.6	
30 Methylene Chloride	84	3.099	3.099	0.000	95	69301	10.0	10.2	
31 2-Methyl-2-propanol	59	3.255	3.265	-0.010	99	79129	100.0	108.0	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	96	68282	10.0	9.68	
33 Methyl tert-butyl ether	73	3.306	3.306	0.000	97	184156	10.0	9.78	
34 Acrylonitrile	53	3.337	3.338	-0.001	100	236163	100.0	95.0	
35 Hexane	57	3.493	3.493	0.000	91	102151	10.0	9.15	

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	3.669	3.669	0.000	97	128722	10.0	9.87	
39 Vinyl acetate	43	3.700	3.711	-0.011	97	260423	20.0	20.1	
42 2,2-Dichloropropane	77	4.115	4.115	0.000	92	101545	10.0	9.69	
43 cis-1,2-Dichloroethene	96	4.135	4.136	-0.001	83	77854	10.0	10.0	
44 2-Butanone (MEK)	43	4.156	4.167	-0.011	100	123789	50.0	51.4	
47 Chlorobromomethane	128	4.332	4.332	0.000	93	41009	10.0	10.2	
48 Tetrahydrofuran	42	4.363	4.374	-0.011	86	36490	20.0	20.0	
50 Chloroform	83	4.384	4.395	-0.011	95	117290	10.0	9.78	
51 1,1,1-Trichloroethane	97	4.498	4.498	0.000	98	108730	10.0	9.82	
52 Cyclohexane	56	4.519	4.519	0.000	94	126421	10.0	9.41	
53 Carbon tetrachloride	117	4.612	4.623	-0.011	87	95958	10.0	9.63	
54 1,1-Dichloropropene	75	4.612	4.623	-0.011	90	86185	10.0	9.63	
56 Isobutyl alcohol	43	4.768	4.778	-0.010	88	66663	250.0	255.3	
55 Benzene	78	4.778	4.778	0.000	97	258129	10.0	9.53	
57 1,2-Dichloroethane	62	4.819	4.819	0.000	98	103301	10.0	10.0	
59 n-Heptane	43	4.933	4.933	0.000	92	103366	10.0	10.1	
60 Trichloroethene	95	5.265	5.265	0.000	93	71041	10.0	10.1	
62 Methylcyclohexane	83	5.379	5.379	0.000	94	114436	10.0	9.77	
63 1,2-Dichloropropane	63	5.452	5.452	0.000	92	70702	10.0	9.64	
65 Dibromomethane	93	5.555	5.555	0.000	93	42137	10.0	9.79	
66 1,4-Dioxane	88	5.566	5.576	-0.010	93	14842	200.0	205.7	
67 Dichlorobromomethane	83	5.669	5.669	0.000	98	86688	10.0	10.0	
69 2-Chloroethyl vinyl ether	63	5.876	5.877	0.000	93	43713	10.0	9.31	
71 cis-1,3-Dichloropropene	75	5.990	5.991	0.000	92	105351	10.0	9.89	
72 4-Methyl-2-pentanone (MIBK)	43	6.094	6.094	0.000	96	297514	50.0	52.0	
73 Toluene	92	6.218	6.218	0.000	97	167200	10.0	9.63	
75 trans-1,3-Dichloropropene	75	6.415	6.415	0.000	96	98752	10.0	10.2	
77 Ethyl methacrylate	69	6.446	6.446	0.000	91	81445	10.0	10.3	
78 1,1,2-Trichloroethane	83	6.560	6.560	0.000	93	49771	10.0	10.3	
79 Tetrachloroethene	166	6.633	6.633	0.000	96	79231	10.0	10.1	
80 1,3-Dichloropropane	76	6.685	6.685	0.000	92	97296	10.0	9.85	
81 2-Hexanone	43	6.726	6.726	0.000	96	201533	50.0	52.5	
82 Chlorodibromomethane	129	6.871	6.871	0.000	90	70267	10.0	10.1	
83 Ethylene Dibromide	107	6.954	6.954	0.000	98	62522	10.0	9.91	
86 Chlorobenzene	112	7.317	7.317	0.000	95	200443	10.0	10.2	
89 1,1,1,2-Tetrachloroethane	131	7.379	7.379	0.000	46	75474	10.0	10.2	
88 Ethylbenzene	91	7.379	7.379	0.000	98	330282	10.0	10.1	
90 m-Xylene & p-Xylene	106	7.472	7.472	0.000	0	133967	10.0	10.1	
91 o-Xylene	106	7.794	7.794	0.000	96	136144	10.0	10.3	
92 Styrene	104	7.804	7.804	0.000	95	214527	10.0	10.3	
93 Bromoform	173	7.990	7.991	-0.001	95	38850	10.0	10.1	
95 Isopropylbenzene	105	8.073	8.073	0.000	96	343919	10.0	9.84	
97 Bromobenzene	156	8.353	8.353	0.000	91	95881	10.0	10.5	
98 1,1,2,2-Tetrachloroethane	83	8.364	8.364	0.000	96	74651	10.0	10.4	
101 trans-1,4-Dichloro-2-buten	53	8.395	8.395	0.000	75	29470	10.0	10.4	
100 1,2,3-Trichloropropane	110	8.395	8.395	0.000	90	26656	10.0	10.7	
99 N-Propylbenzene	91	8.405	8.405	0.000	99	405868	10.0	10.1	
105 2-Chlorotoluene	126	8.498	8.498	0.000	97	88118	10.0	10.4	
104 1,3,5-Trimethylbenzene	105	8.540	8.540	0.000	95	303127	10.0	10.2	
102 4-Chlorotoluene	91	8.581	8.581	0.000	98	259004	10.0	10.3	
106 tert-Butylbenzene	134	8.809	8.809	0.000	93	70378	10.0	10.3	
107 1,2,4-Trimethylbenzene	105	8.851	8.851	0.000	97	316772	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.985	8.985	0.000	94	386585	10.0	9.91	
111 4-Isopropyltoluene	119	9.099	9.099	0.000	97	335812	10.0	10.1	
110 1,3-Dichlorobenzene	146	9.110	9.110	0.000	98	186958	10.0	10.5	
113 1,4-Dichlorobenzene	146	9.182	9.182	0.000	96	189815	10.0	10.5	
115 n-Butylbenzene	91	9.441	9.441	0.000	97	298760	10.0	10.2	
116 1,2-Dichlorobenzene	146	9.493	9.493	0.000	98	181512	10.0	10.4	
117 1,2-Dibromo-3-Chloropropan	75	10.156	10.156	0.000	83	13746	10.0	10.3	
119 1,2,4-Trichlorobenzene	180	10.820	10.820	0.000	94	133859	10.0	10.3	
120 Hexachlorobutadiene	225	10.923	10.923	0.000	97	65221	10.0	10.2	
121 Naphthalene	128	11.016	11.017	-0.001	97	300315	10.0	10.3	
122 1,2,3-Trichlorobenzene	180	11.213	11.213	0.000	97	129667	10.0	10.8	
S 123 1,3-Dichloropropene, Total	1				0			20.1	
S 124 1,2-Dichloroethene, Total	1				0			19.7	
S 125 Total BTEX	1				0			49.7	
S 126 Xylenes, Total	1				0			20.4	

Reagents:

8260 CORP mix_00062	Amount Added: 5.00	Units: uL	
GAS CORP mix_00128	Amount Added: 5.00	Units: uL	
T_8260_IS_00120	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_Surr_00118	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3691.D

Injection Date: 31-Dec-2015 17:49:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: IC 4

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

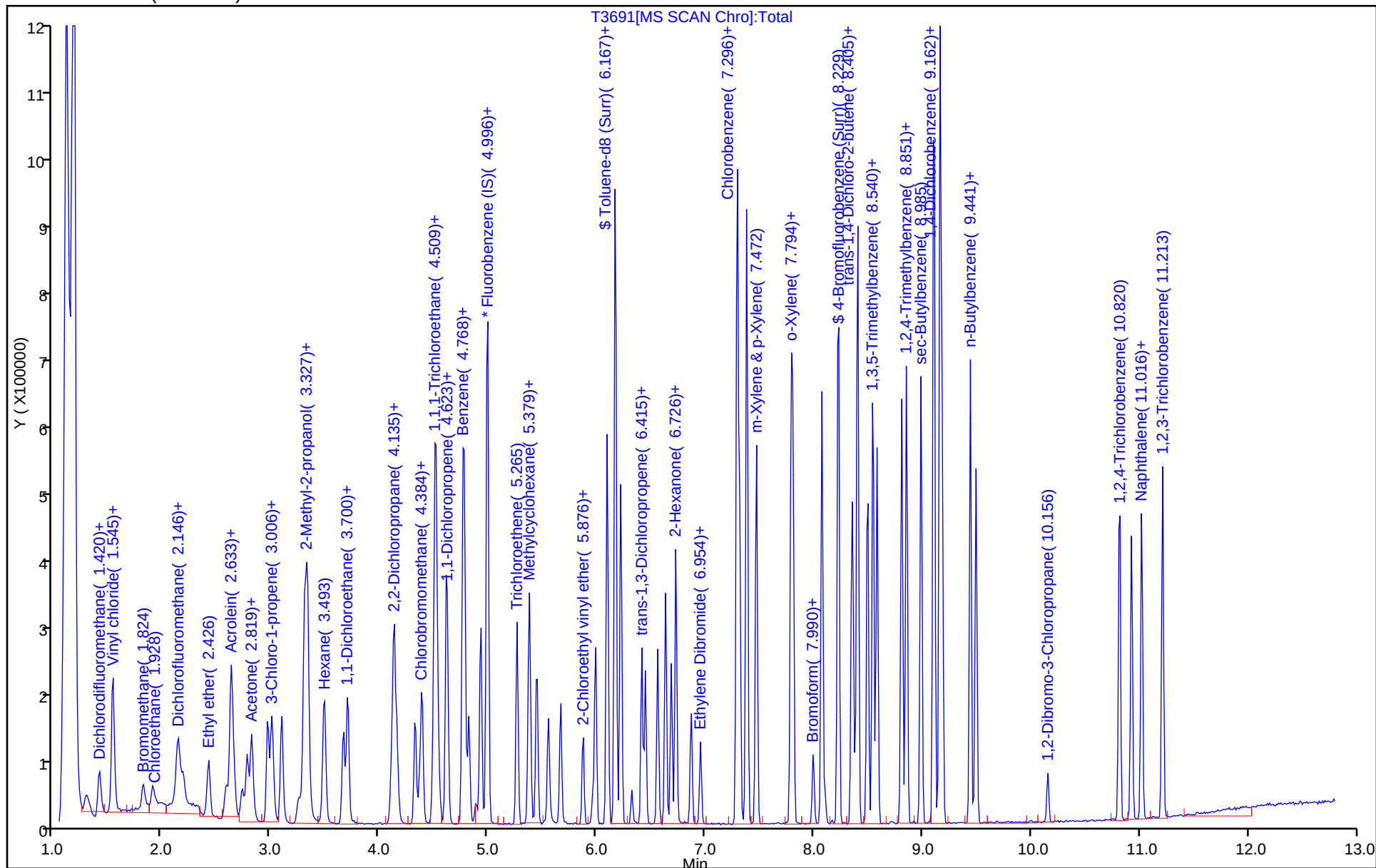
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3692.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 31-Dec-2015 18:13:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0049677-009
 Operator ID: gtg Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jan-2016 14:33:58 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK029

First Level Reviewer: HillL

Date: 02-Jan-2016 13:26:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.995	4.995	0.000	99	110421	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	86	452305	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.161	0.000	95	245580	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.519	4.519	0.000	91	129747	25.0	24.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.767	4.767	0.000	0	147331	25.0	25.2	
\$ 6 Toluene-d8 (Surr)	98	6.166	6.166	0.000	94	502375	25.0	24.7	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	93	189346	25.0	24.7	
11 Dichlorodifluoromethane	85	1.306	1.306	0.000	99	198148	25.0	23.5	
13 Chloromethane	50	1.420	1.420	0.000	99	190818	25.0	22.4	
14 Vinyl chloride	62	1.545	1.545	0.000	90	189447	25.0	22.9	
151 Butadiene	54	1.545	1.545	0.000	91	175573	25.0	22.3	
15 Bromomethane	94	1.824	1.824	0.000	93	69547	25.0	22.8	
16 Chloroethane	64	1.907	1.907	0.000	98	78143	25.0	24.9	
18 Dichlorofluoromethane	67	2.146	2.146	0.000	99	228743	25.0	23.8	
17 Trichlorofluoromethane	101	2.187	2.187	0.000	98	219829	25.0	24.4	
19 Ethyl ether	59	2.425	2.425	0.000	93	149969	25.0	23.7	
21 Acrolein	56	2.581	2.581	0.000	99	113088	125.0	117.7	
22 1,1-Dichloroethene	96	2.633	2.633	0.000	98	154321	25.0	23.4	
20 1,1,2-Trichloro-1,2,2-trif	101	2.643	2.643	0.000	92	159787	25.0	24.4	
23 Acetone	43	2.736	2.736	0.000	100	180856	125.0	120.1	
24 Iodomethane	142	2.778	2.778	0.000	100	291828	25.0	23.7	
25 Carbon disulfide	76	2.819	2.819	0.000	100	479607	25.0	24.0	
27 3-Chloro-1-propene	41	2.964	2.964	0.000	87	248793	25.0	24.1	
28 Methyl acetate	43	3.006	3.006	0.000	98	550755	125.0	122.8	
30 Methylene Chloride	84	3.099	3.099	0.000	95	168451	25.0	25.4	
31 2-Methyl-2-propanol	59	3.254	3.254	0.000	99	184101	250.0	249.1	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	97	168284	25.0	23.6	
33 Methyl tert-butyl ether	73	3.306	3.306	0.000	96	457413	25.0	24.1	
34 Acrylonitrile	53	3.337	3.337	0.000	99	583700	250.0	232.7	
35 Hexane	57	3.493	3.493	0.000	91	257921	25.0	22.9	

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	3.669	3.669	0.000	97	311622	25.0	23.7	
39 Vinyl acetate	43	3.700	3.700	0.000	97	654511	50.0	50.1	
42 2,2-Dichloropropane	77	4.125	4.125	0.000	91	247893	25.0	23.5	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	84	188561	25.0	24.0	
44 2-Butanone (MEK)	43	4.156	4.156	0.000	100	301735	125.0	124.2	
47 Chlorobromomethane	128	4.332	4.332	0.000	94	98685	25.0	24.2	
48 Tetrahydrofuran	42	4.363	4.363	0.000	89	84311	50.0	45.7	
50 Chloroform	83	4.394	4.394	0.000	95	287770	25.0	23.8	
51 1,1,1-Trichloroethane	97	4.498	4.498	0.000	99	272077	25.0	24.4	
52 Cyclohexane	56	4.519	4.519	0.000	94	316384	25.0	23.3	
53 Carbon tetrachloride	117	4.622	4.622	0.000	88	244468	25.0	24.3	
54 1,1-Dichloropropene	75	4.622	4.622	0.000	90	216579	25.0	24.0	
56 Isobutyl alcohol	43	4.767	4.767	0.000	91	162758	625.0	617.9	
55 Benzene	78	4.778	4.778	0.000	98	638879	25.0	23.4	
57 1,2-Dichloroethane	62	4.819	4.819	0.000	97	250484	25.0	24.0	
59 n-Heptane	43	4.933	4.933	0.000	91	253772	25.0	25.3	
60 Trichloroethene	95	5.265	5.265	0.000	95	171081	25.0	24.1	
62 Methylcyclohexane	83	5.379	5.379	0.000	94	280380	25.0	23.7	
63 1,2-Dichloropropane	63	5.451	5.451	0.000	93	175132	25.0	23.7	
65 Dibromomethane	93	5.555	5.555	0.000	94	103986	25.0	24.0	
66 1,4-Dioxane	88	5.565	5.565	0.000	98	36071	500.0	487.7	
67 Dichlorobromomethane	83	5.669	5.669	0.000	98	216538	25.0	24.9	
69 2-Chloroethyl vinyl ether	63	5.876	5.876	0.000	93	110461	25.0	23.3	
71 cis-1,3-Dichloropropene	75	5.990	5.990	0.000	92	261329	25.0	24.3	
72 4-Methyl-2-pentanone (MIBK)	43	6.094	6.094	0.000	96	720010	125.0	122.7	
73 Toluene	92	6.218	6.218	0.000	98	410203	25.0	23.1	
75 trans-1,3-Dichloropropene	75	6.415	6.415	0.000	97	238382	25.0	24.0	
77 Ethyl methacrylate	69	6.446	6.446	0.000	90	197908	25.0	24.4	
78 1,1,2-Trichloroethane	83	6.560	6.560	0.000	91	119237	25.0	24.0	
79 Tetrachloroethene	166	6.633	6.633	0.000	95	192366	25.0	23.8	
80 1,3-Dichloropropane	76	6.685	6.685	0.000	93	239746	25.0	23.7	
81 2-Hexanone	43	6.726	6.726	0.000	95	489195	125.0	124.3	
82 Chlorodibromomethane	129	6.871	6.871	0.000	90	174217	25.0	24.4	
83 Ethylene Dibromide	107	6.954	6.954	0.000	99	156515	25.0	24.2	
86 Chlorobenzene	112	7.317	7.317	0.000	94	474009	25.0	23.6	
89 1,1,1,2-Tetrachloroethane	131	7.379	7.379	0.000	45	181601	25.0	24.0	
88 Ethylbenzene	91	7.379	7.379	0.000	98	803944	25.0	24.0	
90 m-Xylene & p-Xylene	106	7.472	7.472	0.000	0	323488	25.0	23.8	
91 o-Xylene	106	7.793	7.793	0.000	96	323339	25.0	23.9	
92 Styrene	104	7.804	7.804	0.000	95	524662	25.0	24.5	
93 Bromoform	173	7.990	7.990	0.000	95	96159	25.0	24.3	
95 Isopropylbenzene	105	8.073	8.073	0.000	96	848395	25.0	24.2	
97 Bromobenzene	156	8.353	8.353	0.000	92	220948	25.0	24.1	
98 1,1,2,2-Tetrachloroethane	83	8.363	8.363	0.000	98	177557	25.0	24.7	
101 trans-1,4-Dichloro-2-buten	53	8.395	8.395	0.000	76	70016	25.0	24.6	
100 1,2,3-Trichloropropane	110	8.395	8.395	0.000	88	60600	25.0	24.2	
99 N-Propylbenzene	91	8.405	8.405	0.000	98	983442	25.0	24.3	
105 2-Chlorotoluene	126	8.498	8.498	0.000	97	207766	25.0	24.4	
104 1,3,5-Trimethylbenzene	105	8.540	8.540	0.000	94	737848	25.0	24.7	
102 4-Chlorotoluene	91	8.581	8.581	0.000	98	613455	25.0	24.4	
106 tert-Butylbenzene	134	8.809	8.809	0.000	93	164440	25.0	24.0	
107 1,2,4-Trimethylbenzene	105	8.851	8.851	0.000	97	755810	25.0	23.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.985	8.985	0.000	94	941587	25.0	24.1	
111 4-Isopropyltoluene	119	9.099	9.099	0.000	97	808889	25.0	24.4	
110 1,3-Dichlorobenzene	146	9.110	9.110	0.000	98	434077	25.0	24.4	
113 1,4-Dichlorobenzene	146	9.182	9.182	0.000	94	434830	25.0	23.9	
115 n-Butylbenzene	91	9.441	9.441	0.000	98	713352	25.0	24.3	
116 1,2-Dichlorobenzene	146	9.493	9.493	0.000	98	419116	25.0	24.0	
117 1,2-Dibromo-3-Chloropropan	75	10.156	10.156	0.000	86	32033	25.0	24.1	
119 1,2,4-Trichlorobenzene	180	10.819	10.819	0.000	95	314581	25.0	24.1	
120 Hexachlorobutadiene	225	10.923	10.923	0.000	97	157650	25.0	24.5	
121 Naphthalene	128	11.016	11.016	0.000	97	719480	25.0	24.7	
122 1,2,3-Trichlorobenzene	180	11.213	11.213	0.000	96	297188	25.0	24.6	

Reagents:

8260 CORP mix_00062	Amount Added: 12.50	Units: uL	
GAS CORP mix_00128	Amount Added: 12.50	Units: uL	
T_8260_IS_00120	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_Surr_00118	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3692.D

Injection Date: 31-Dec-2015 18:13:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: ICIS 5

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

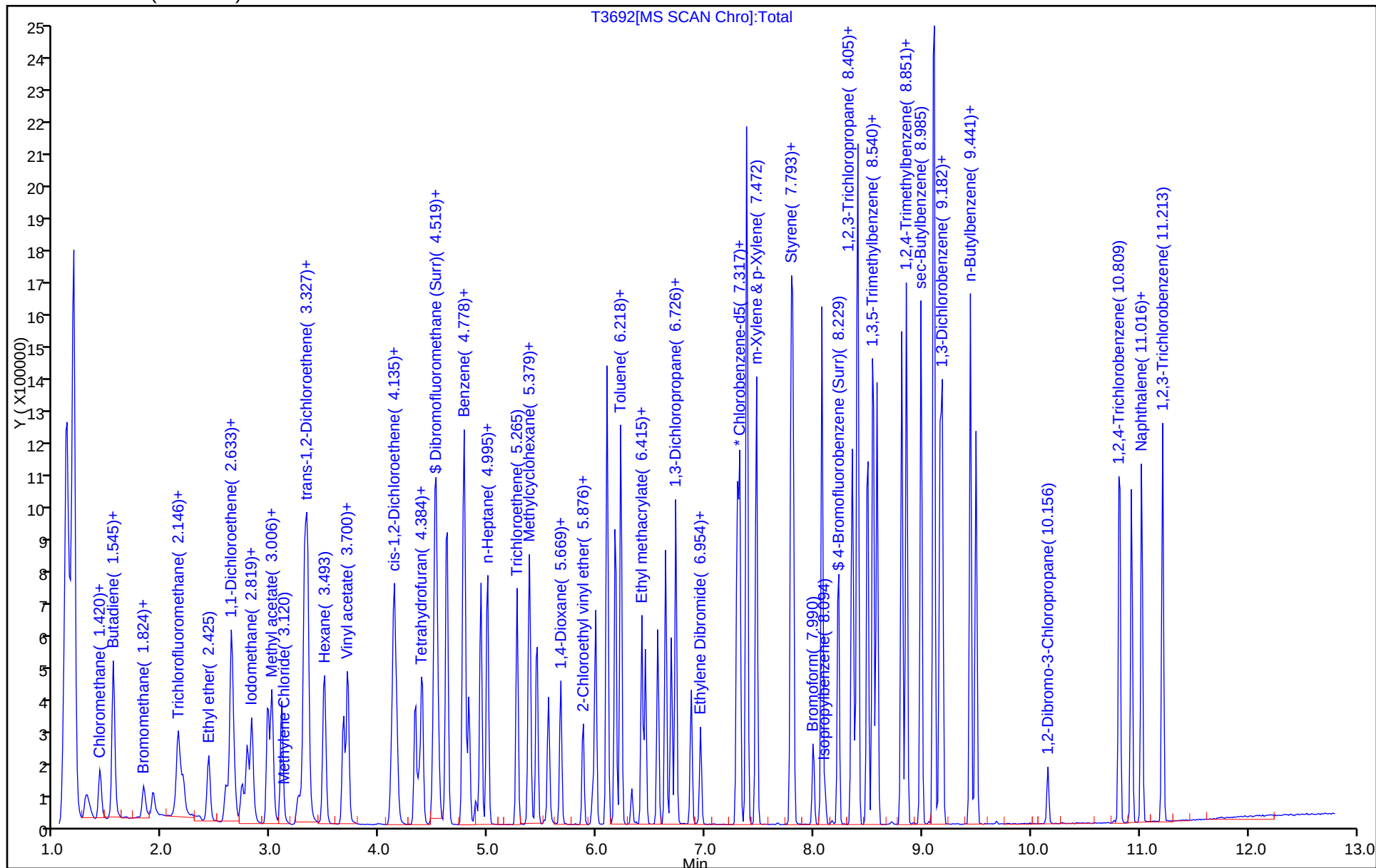
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3693.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 31-Dec-2015 18:37:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0049677-010
 Operator ID: gtg Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jan-2016 14:34:03 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK029

First Level Reviewer: HillL

Date: 02-Jan-2016 13:37:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.996	4.995	0.001	99	112131	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	448995	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.162	9.161	0.001	95	245758	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.509	4.519	-0.010	93	131305	25.0	24.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.768	4.767	0.001	0	147716	25.0	24.8	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.166	0.001	94	507279	25.0	25.1	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	93	191042	25.0	25.1	
11 Dichlorodifluoromethane	85	1.296	1.306	-0.010	99	395111	50.0	46.1	
13 Chloromethane	50	1.420	1.420	0.000	99	374909	50.0	43.3	
14 Vinyl chloride	62	1.545	1.545	0.000	97	376625	50.0	44.9	
151 Butadiene	54	1.545	1.545	0.000	91	349545	50.0	43.8	
15 Bromomethane	94	1.825	1.824	0.001	93	154483	50.0	50.0	
16 Chloroethane	64	1.907	1.907	0.000	98	159334	50.0	50.0	
18 Dichlorofluoromethane	67	2.146	2.146	0.000	98	468372	50.0	48.0	
17 Trichlorofluoromethane	101	2.187	2.187	0.000	97	447094	50.0	48.8	
19 Ethyl ether	59	2.426	2.425	0.001	93	288257	50.0	44.9	
21 Acrolein	56	2.581	2.581	0.000	100	230736	250.0	236.4	
22 1,1-Dichloroethene	96	2.633	2.633	0.000	97	291670	50.0	43.5	
20 1,1,2-Trichloro-1,2,2-trif	101	2.643	2.643	0.000	92	304023	50.0	45.7	
23 Acetone	43	2.726	2.736	-0.010	100	358003	250.0	234.1	
24 Iodomethane	142	2.778	2.778	0.000	100	567927	50.0	45.4	
25 Carbon disulfide	76	2.819	2.819	0.000	100	926750	50.0	45.6	
27 3-Chloro-1-propene	41	2.964	2.964	0.000	88	478901	50.0	45.7	
28 Methyl acetate	43	3.006	3.006	0.000	98	1049782	250.0	230.6	
30 Methylene Chloride	84	3.099	3.099	0.000	95	322979	50.0	48.4	
31 2-Methyl-2-propanol	59	3.244	3.254	-0.010	100	367278	500.0	489.4	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	97	327764	50.0	45.3	
33 Methyl tert-butyl ether	73	3.306	3.306	0.000	96	885742	50.0	45.9	
34 Acrylonitrile	53	3.327	3.337	-0.010	99	1135837	500.0	446.0	
35 Hexane	57	3.483	3.493	-0.010	91	485508	50.0	42.5	

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	3.669	3.669	0.000	97	602464	50.0	45.1	
39 Vinyl acetate	43	3.700	3.700	0.000	97	1275367	100.0	96.2	
42 2,2-Dichloropropane	77	4.115	4.125	-0.010	91	462921	50.0	43.1	
43 cis-1,2-Dichloroethene	96	4.136	4.135	0.001	85	361970	50.0	45.4	
44 2-Butanone (MEK)	43	4.156	4.156	0.000	100	599900	250.0	243.1	
47 Chlorobromomethane	128	4.322	4.332	-0.010	94	188957	50.0	45.7	
48 Tetrahydrofuran	42	4.353	4.363	-0.010	87	169913	100.0	90.7	
50 Chloroform	83	4.384	4.394	-0.010	95	554860	50.0	45.2	
51 1,1,1-Trichloroethane	97	4.498	4.498	0.000	99	521307	50.0	46.0	
52 Cyclohexane	56	4.519	4.519	0.000	93	599060	50.0	43.5	
53 Carbon tetrachloride	117	4.612	4.622	-0.010	89	474041	50.0	46.5	
54 1,1-Dichloropropene	75	4.612	4.622	-0.010	90	414338	50.0	45.2	
56 Isobutyl alcohol	43	4.768	4.767	0.001	93	330219	1250.0	1234.6	
55 Benzene	78	4.778	4.778	0.000	98	1233084	50.0	44.5	
57 1,2-Dichloroethane	62	4.819	4.819	0.000	97	485475	50.0	45.9	
59 n-Heptane	43	4.933	4.933	0.000	91	481672	50.0	47.7	
60 Trichloroethene	95	5.265	5.265	0.000	95	328352	50.0	45.5	
62 Methylcyclohexane	83	5.379	5.379	0.000	94	542316	50.0	45.2	
63 1,2-Dichloropropane	63	5.441	5.451	-0.010	93	334236	50.0	44.5	
65 Dibromomethane	93	5.555	5.555	0.000	94	205411	50.0	46.6	
66 1,4-Dioxane	88	5.566	5.565	0.001	96	73922	1000.0	1006.8	
67 Dichlorobromomethane	83	5.669	5.669	0.000	98	421737	50.0	47.7	
69 2-Chloroethyl vinyl ether	63	5.877	5.876	0.000	92	218297	50.0	45.4	
71 cis-1,3-Dichloropropene	75	5.990	5.990	0.000	92	508629	50.0	46.6	
72 4-Methyl-2-pentanone (MIBK)	43	6.094	6.094	0.000	96	1418007	250.0	243.4	
73 Toluene	92	6.218	6.218	0.000	98	796008	50.0	45.1	
75 trans-1,3-Dichloropropene	75	6.415	6.415	0.000	95	464589	50.0	47.2	
77 Ethyl methacrylate	69	6.446	6.446	0.000	90	389442	50.0	48.3	
78 1,1,2-Trichloroethane	83	6.560	6.560	0.000	91	227003	50.0	46.1	
79 Tetrachloroethene	166	6.633	6.633	0.000	95	367911	50.0	45.9	
80 1,3-Dichloropropane	76	6.685	6.685	0.000	93	460426	50.0	45.8	
81 2-Hexanone	43	6.726	6.726	0.000	95	959901	250.0	245.7	
82 Chlorodibromomethane	129	6.871	6.871	0.000	90	344754	50.0	48.6	
83 Ethylene Dibromide	107	6.954	6.954	0.000	99	305023	50.0	47.5	
86 Chlorobenzene	112	7.317	7.317	0.000	95	912337	50.0	45.8	
89 1,1,1,2-Tetrachloroethane	131	7.379	7.379	0.000	46	359836	50.0	47.9	
88 Ethylbenzene	91	7.379	7.379	0.000	98	1558970	50.0	46.9	
90 m-Xylene & p-Xylene	106	7.472	7.472	0.000	0	629313	50.0	46.7	
91 o-Xylene	106	7.794	7.793	0.001	96	632646	50.0	47.1	
92 Styrene	104	7.804	7.804	0.000	94	1009443	50.0	47.6	
93 Bromoform	173	7.991	7.990	0.001	96	197915	50.0	50.4	
95 Isopropylbenzene	105	8.073	8.073	0.000	96	1611745	50.0	46.0	
97 Bromobenzene	156	8.353	8.353	0.000	92	419119	50.0	45.6	
98 1,1,2,2-Tetrachloroethane	83	8.364	8.363	0.001	95	348789	50.0	48.4	
101 trans-1,4-Dichloro-2-buten	53	8.395	8.395	0.000	76	133503	50.0	46.8	
100 1,2,3-Trichloropropane	110	8.395	8.395	0.000	88	116588	50.0	46.6	
99 N-Propylbenzene	91	8.405	8.405	0.000	98	1878426	50.0	46.4	
105 2-Chlorotoluene	126	8.498	8.498	0.000	97	393139	50.0	46.2	
104 1,3,5-Trimethylbenzene	105	8.540	8.540	0.000	94	1399294	50.0	46.9	
102 4-Chlorotoluene	91	8.581	8.581	0.000	98	1167376	50.0	46.4	
106 tert-Butylbenzene	134	8.809	8.809	0.000	93	318773	50.0	46.5	
107 1,2,4-Trimethylbenzene	105	8.851	8.851	0.001	97	1445870	50.0	45.5	

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	8.985	8.985	0.000	94	1789886	50.0	45.8	
111 4-Isopropyltoluene	119	9.099	9.099	0.000	96	1541771	50.0	46.4	
110 1,3-Dichlorobenzene	146	9.110	9.110	0.000	99	820021	50.0	46.0	
113 1,4-Dichlorobenzene	146	9.182	9.182	0.000	95	826578	50.0	45.5	
115 n-Butylbenzene	91	9.441	9.441	0.000	98	1356052	50.0	46.2	
116 1,2-Dichlorobenzene	146	9.493	9.493	0.000	98	807123	50.0	46.3	
117 1,2-Dibromo-3-Chloropropan	75	10.156	10.156	0.000	86	62733	50.0	47.1	
119 1,2,4-Trichlorobenzene	180	10.820	10.819	0.001	94	619974	50.0	47.4	
120 Hexachlorobutadiene	225	10.923	10.923	0.000	97	302083	50.0	47.0	
121 Naphthalene	128	11.017	11.016	0.001	97	1426965	50.0	49.0	
122 1,2,3-Trichlorobenzene	180	11.213	11.213	0.000	96	578305	50.0	47.9	
S 123 1,3-Dichloropropene, Total	1				0			93.8	
S 124 1,2-Dichloroethene, Total	1				0			90.8	
S 125 Total BTEX	1				0			230.2	
S 126 Xylenes, Total	1				0			93.8	

Reagents:

8260 CORP mix_00062	Amount Added: 25.00	Units: uL	
GAS CORP mix_00128	Amount Added: 25.00	Units: uL	
T_8260_IS_00120	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_Surr_00118	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20151231-49677.b\\T3693.D

Injection Date: 31-Dec-2015 18:37:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: IC 6

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

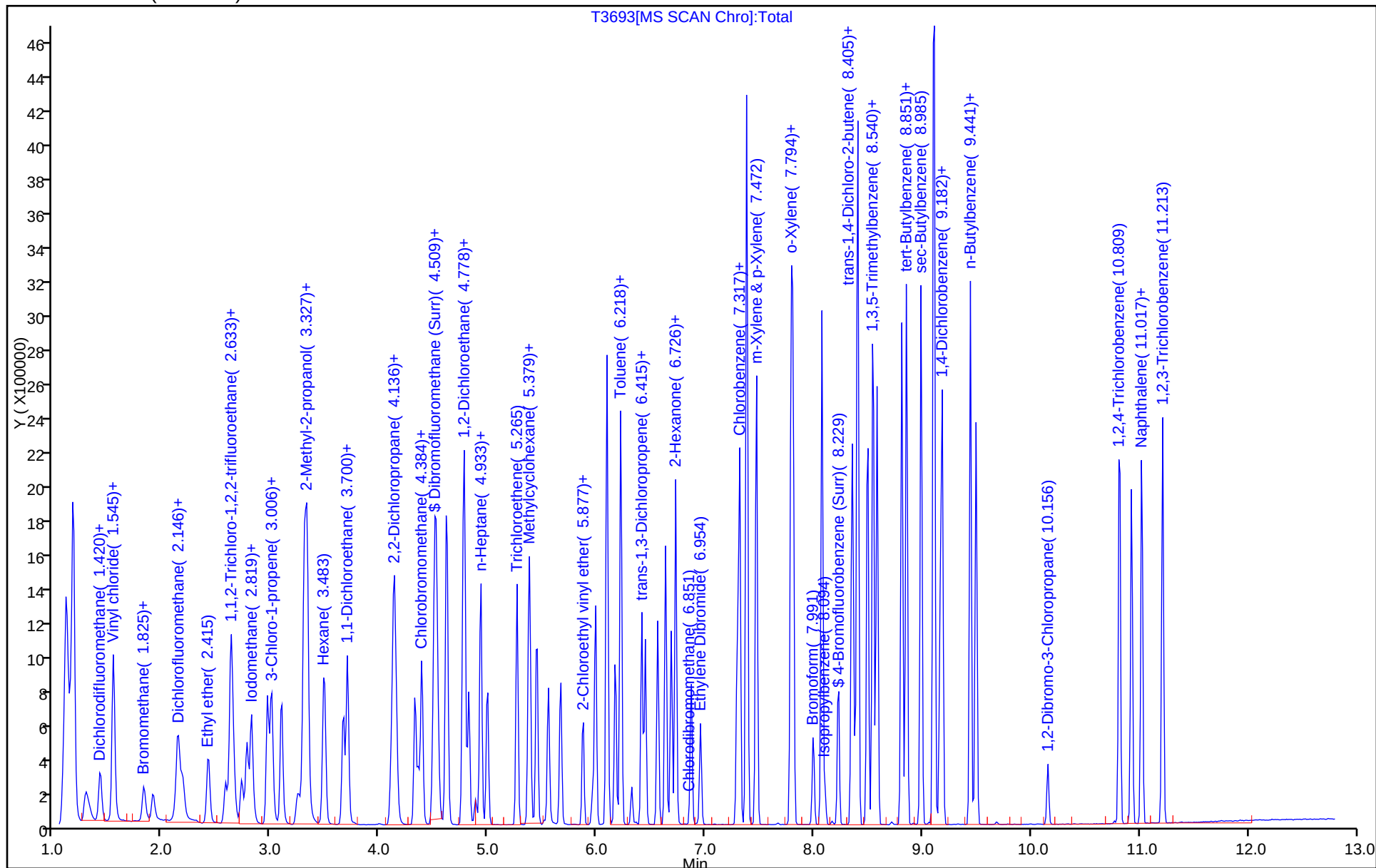
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3694.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 31-Dec-2015 19:00:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0049677-011
 Operator ID: gtg Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 02-Jan-2016 14:34:07 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK029

First Level Reviewer: HillL

Date: 02-Jan-2016 13:38:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.995	4.995	0.000	99	112879	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	452975	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.161	0.000	95	242780	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.508	4.519	-0.011	93	132997	25.0	24.8	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.767	4.767	0.000	0	148367	25.0	24.8	
\$ 6 Toluene-d8 (Surr)	98	6.166	6.166	0.000	94	514271	25.0	25.3	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	93	191676	25.0	25.0	
11 Dichlorodifluoromethane	85	1.296	1.306	-0.010	99	864039	100.0	100.1	
13 Chloromethane	50	1.431	1.420	0.011	99	769356	100.0	88.2	
14 Vinyl chloride	62	1.545	1.545	0.000	97	763065	100.0	90.4	
151 Butadiene	54	1.555	1.545	0.010	92	705325	100.0	87.8	
15 Bromomethane	94	1.835	1.824	0.011	92	350481	100.0	112.6	
16 Chloroethane	64	1.918	1.907	0.011	99	355175	100.0	110.8	
18 Dichlorofluoromethane	67	2.146	2.146	0.000	98	971577	100.0	99.0	
17 Trichlorofluoromethane	101	2.187	2.187	0.000	98	938486	100.0	101.7	
19 Ethyl ether	59	2.425	2.425	0.000	93	609216	100.0	94.4	
21 Acrolein	56	2.581	2.581	0.000	100	478100	500.0	486.6	
22 1,1-Dichloroethene	96	2.633	2.633	0.000	97	618720	100.0	91.7	
20 1,1,2-Trichloro-1,2,2-trif	101	2.643	2.643	0.000	92	668532	100.0	99.9	
23 Acetone	43	2.726	2.736	-0.010	100	768309	500.0	499.0	
24 Iodomethane	142	2.778	2.778	0.000	99	1205937	100.0	95.7	
25 Carbon disulfide	76	2.819	2.819	0.000	100	1982428	100.0	96.9	
27 3-Chloro-1-propene	41	2.964	2.964	0.000	88	964900	100.0	91.5	
28 Methyl acetate	43	3.006	3.006	0.000	98	2202223	500.0	480.5	
30 Methylene Chloride	84	3.099	3.099	0.000	96	673974	100.0	101.0	
31 2-Methyl-2-propanol	59	3.244	3.254	-0.010	99	778686	1000.0	1030.8	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	97	683667	100.0	94.0	
33 Methyl tert-butyl ether	73	3.306	3.306	0.000	97	1849339	100.0	95.3	
34 Acrylonitrile	53	3.327	3.337	-0.010	100	2376314	1000.0	926.8	
35 Hexane	57	3.493	3.493	0.000	91	1040731	100.0	90.4	

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	3.669	3.669	0.000	97	1266480	100.0	94.2	
39 Vinyl acetate	43	3.700	3.700	0.000	97	2666480	200.0	199.8	
42 2,2-Dichloropropane	77	4.115	4.125	-0.010	91	976621	100.0	90.4	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	84	760937	100.0	94.9	
44 2-Butanone (MEK)	43	4.156	4.156	0.000	100	1255099	500.0	505.3	
47 Chlorobromomethane	128	4.322	4.332	-0.010	94	398564	100.0	95.8	
48 Tetrahydrofuran	42	4.353	4.363	-0.010	87	347549	200.0	184.3	
50 Chloroform	83	4.384	4.394	-0.010	95	1180392	100.0	95.4	
51 1,1,1-Trichloroethane	97	4.498	4.498	0.000	99	1109038	100.0	97.1	
52 Cyclohexane	56	4.519	4.519	0.000	94	1289935	100.0	93.1	
53 Carbon tetrachloride	117	4.622	4.622	0.000	90	1009558	100.0	98.3	
54 1,1-Dichloropropene	75	4.612	4.622	-0.010	90	868990	100.0	94.2	
56 Isobutyl alcohol	43	4.767	4.767	0.000	93	692347	2500.0	2571.4	
55 Benzene	78	4.778	4.778	0.000	98	2549758	100.0	91.3	
57 1,2-Dichloroethane	62	4.819	4.819	0.000	98	1018286	100.0	95.6	
59 n-Heptane	43	4.933	4.933	0.000	92	1030737	100.0	102.0	
60 Trichloroethene	95	5.265	5.265	0.000	95	699803	100.0	96.3	
62 Methylcyclohexane	83	5.379	5.379	0.000	94	1163925	100.0	96.4	
63 1,2-Dichloropropane	63	5.451	5.451	0.000	93	701729	100.0	92.8	
65 Dibromomethane	93	5.555	5.555	0.000	94	425663	100.0	95.9	
66 1,4-Dioxane	88	5.555	5.565	-0.010	97	147610	2000.0	1992.7	
67 Dichlorobromomethane	83	5.669	5.669	0.000	98	910530	100.0	102.3	
69 2-Chloroethyl vinyl ether	63	5.876	5.876	0.000	93	456433	100.0	94.2	
71 cis-1,3-Dichloropropene	75	5.990	5.990	0.000	92	1069793	100.0	97.4	
72 4-Methyl-2-pentanone (MIBK)	43	6.094	6.094	0.000	96	2940214	500.0	500.4	
73 Toluene	92	6.218	6.218	0.000	98	1633745	100.0	91.7	
75 trans-1,3-Dichloropropene	75	6.415	6.415	0.000	97	981119	100.0	98.8	
77 Ethyl methacrylate	69	6.446	6.446	0.000	91	804894	100.0	99.0	
78 1,1,2-Trichloroethane	83	6.560	6.560	0.000	94	477698	100.0	96.1	
79 Tetrachloroethene	166	6.633	6.633	0.000	96	774654	100.0	95.8	
80 1,3-Dichloropropane	76	6.685	6.685	0.000	92	952915	100.0	94.0	
81 2-Hexanone	43	6.726	6.726	0.000	95	2004782	500.0	508.6	
82 Chlorodibromomethane	129	6.871	6.871	0.000	90	754534	100.0	105.5	
83 Ethylene Dibromide	107	6.954	6.954	0.000	98	646999	100.0	99.9	
86 Chlorobenzene	112	7.317	7.317	0.000	95	1917318	100.0	95.3	
89 1,1,1,2-Tetrachloroethane	131	7.379	7.379	0.000	46	751613	100.0	99.3	
88 Ethylbenzene	91	7.379	7.379	0.000	98	3171741	100.0	94.6	
90 m-Xylene & p-Xylene	106	7.472	7.472	0.000	0	1287606	100.0	94.6	
91 o-Xylene	106	7.793	7.793	0.000	96	1283676	100.0	94.7	
92 Styrene	104	7.804	7.804	0.000	95	2054355	100.0	95.9	
93 Bromoform	173	7.990	7.990	0.000	96	423059	100.0	106.8	
95 Isopropylbenzene	105	8.073	8.073	0.000	96	3337645	100.0	96.5	
97 Bromobenzene	156	8.353	8.353	0.000	93	875525	100.0	96.5	
98 1,1,2,2-Tetrachloroethane	83	8.363	8.363	0.000	96	712413	100.0	100.1	
101 trans-1,4-Dichloro-2-buten	53	8.395	8.395	0.000	76	280858	100.0	99.7	
100 1,2,3-Trichloropropane	110	8.395	8.395	0.000	88	239205	100.0	96.7	
99 N-Propylbenzene	91	8.405	8.405	0.000	98	3841389	100.0	96.1	
105 2-Chlorotoluene	126	8.498	8.498	0.000	97	811380	100.0	96.5	
104 1,3,5-Trimethylbenzene	105	8.540	8.540	0.000	95	2899154	100.0	98.3	
102 4-Chlorotoluene	91	8.581	8.581	0.000	97	2392547	100.0	96.3	
106 tert-Butylbenzene	134	8.809	8.809	0.000	93	673317	100.0	99.4	
107 1,2,4-Trimethylbenzene	105	8.850	8.851	0.000	98	2955304	100.0	94.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.985	8.985	0.000	94	3699175	100.0	95.7	
111 4-Isopropyltoluene	119	9.099	9.099	0.000	96	3129528	100.0	95.4	
110 1,3-Dichlorobenzene	146	9.110	9.110	0.000	98	1656314	100.0	94.0	
113 1,4-Dichlorobenzene	146	9.182	9.182	0.000	94	1694510	100.0	94.3	
115 n-Butylbenzene	91	9.441	9.441	0.000	98	2823213	100.0	97.4	
116 1,2-Dichlorobenzene	146	9.493	9.493	0.000	98	1636974	100.0	95.0	
117 1,2-Dibromo-3-Chloropropan	75	10.156	10.156	0.000	87	133717	100.0	101.6	
119 1,2,4-Trichlorobenzene	180	10.819	10.819	0.000	94	1279099	100.0	99.1	
120 Hexachlorobutadiene	225	10.923	10.923	0.000	97	623971	100.0	98.2	
121 Naphthalene	128	11.016	11.016	0.000	97	2960356	100.0	102.8	
122 1,2,3-Trichlorobenzene	180	11.213	11.213	0.000	96	1179030	100.0	98.8	
S 123 1,3-Dichloropropene, Total	1				0			196.2	
S 124 1,2-Dichloroethene, Total	1				0			188.8	
S 125 Total BTEX	1				0			467.0	
S 126 Xylenes, Total	1				0			189.3	

Reagents:

8260 CORP mix_00062	Amount Added: 50.00	Units: uL	
GAS CORP mix_00128	Amount Added: 50.00	Units: uL	
T_8260_IS_00120	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_Surr_00118	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3694.D

Injection Date: 31-Dec-2015 19:00:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: IC 7

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

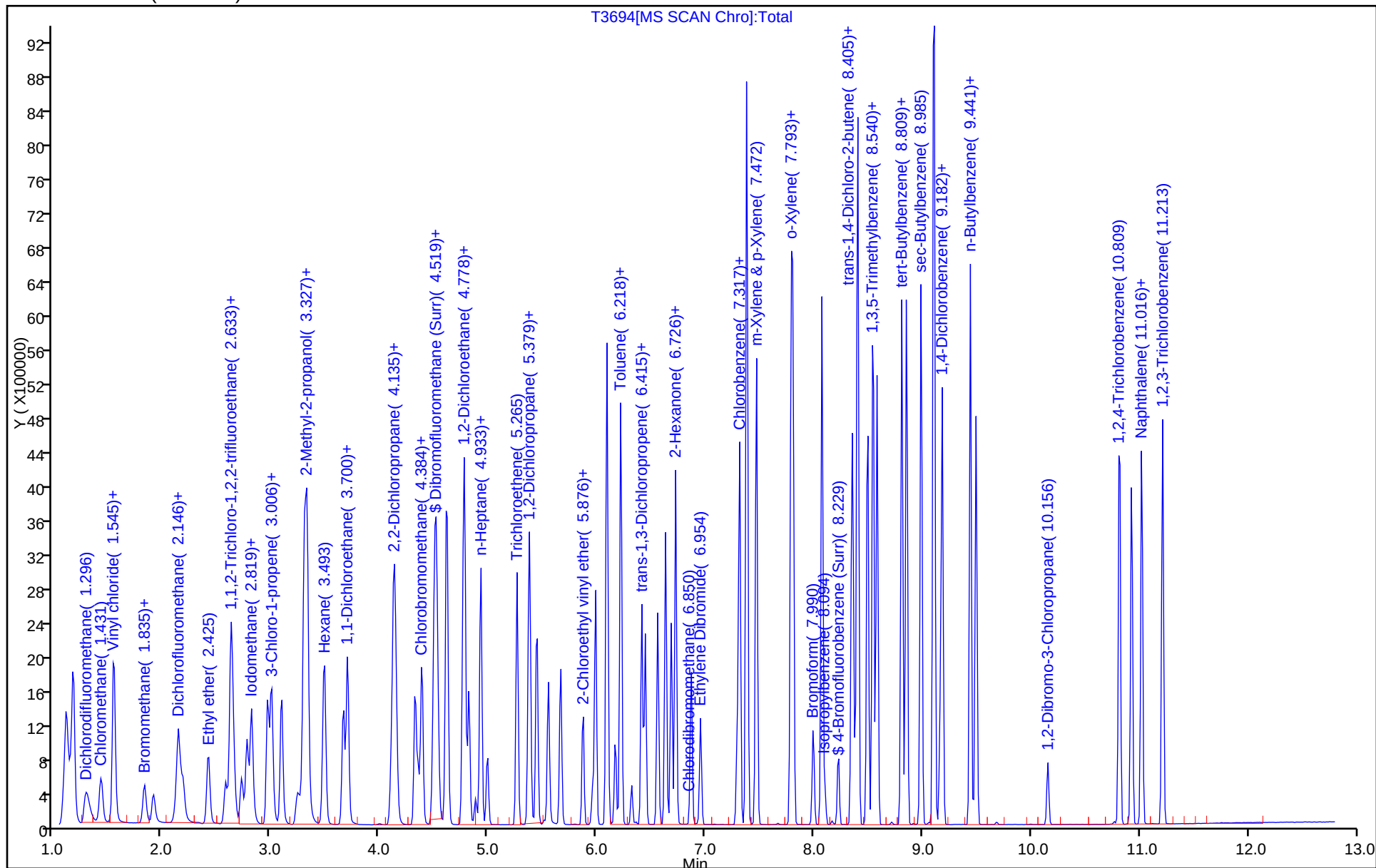
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-283295/2 Calibration Date: 01/12/2016 21:32
 Instrument ID: HP5973C Calib Start Date: 12/11/2015 14:15
 GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 12/11/2015 17:40
 Lab File ID: C60661.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.590	2.050	0.1000	19.8	25.0	-20.8	50.0
Chloromethane	Ave	2.715	2.093	0.1000	19.3	25.0	-22.9*	20.0
Vinyl chloride	Ave	2.355	2.001	0.1000	21.2	25.0	-15.0	20.0
Butadiene	Ave	2.449	1.881		19.2	25.0	-23.2*	20.0
Bromomethane	Ave	1.620	1.656	0.1000	25.6	25.0	2.2	50.0
Chloroethane	Ave	1.503	1.520	0.1000	25.3	25.0	1.1	50.0
Dichlorofluoromethane	Ave	3.990	3.744		23.5	25.0	-6.2	20.0
Trichlorofluoromethane	Ave	3.745	3.501	0.1000	23.4	25.0	-6.5	20.0
Ethyl ether	Ave	1.926	1.766		22.9	25.0	-8.3	20.0
Acrolein	Ave	0.3260	0.2647		101	125	-18.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.065	1.933	0.1000	23.4	25.0	-6.4	20.0
1,1-Dichloroethene	Ave	1.877	1.781	0.1000	23.7	25.0	-5.1	20.0
Acetone	Ave	0.5773	0.4939	0.1000	107	125	-14.4	50.0
Iodomethane	Ave	3.626	3.656		25.2	25.0	0.8	20.0
Carbon disulfide	Ave	7.423	7.281	0.1000	24.5	25.0	-1.9	20.0
Methyl acetate	Ave	1.453	1.248	0.1000	107	125	-14.1	50.0
Allyl chloride	Ave	3.437	2.588		18.8	25.0	-24.7*	20.0
Methylene Chloride	Lin1		2.134	0.1000	25.9	25.0	3.5	20.0
2-Methyl-2-propanol	Ave	0.1907	0.2126		279	250	11.5	50.0
Methyl tert-butyl ether	Ave	5.999	5.456	0.1000	22.7	25.0	-9.1	20.0
trans-1,2-Dichloroethene	Ave	2.002	2.036	0.1000	25.4	25.0	1.7	20.0
Acrylonitrile	Ave	0.7227	0.7404		256	250	2.4	20.0
Hexane	Ave	3.110	2.693		21.6	25.0	-13.4	20.0
Vinyl acetate	Ave	4.225	3.490		41.3	50.0	-17.4	20.0
1,1-Dichloroethane	Ave	3.852	3.761	0.2000	24.4	25.0	-2.4	20.0
2-Butanone (MEK)	Ave	0.8762	0.7503	0.1000	107	125	-14.4	20.0
2,2-Dichloropropane	Ave	3.144	2.983		23.7	25.0	-5.1	20.0
cis-1,2-Dichloroethene	Ave	2.206	2.230	0.1000	25.3	25.0	1.1	20.0
Chlorobromomethane	Ave	1.075	1.206		28.1	25.0	12.2	20.0
Chloroform	Ave	3.945	3.638	0.2000	23.1	25.0	-7.8	20.0
Tetrahydrofuran	Ave	0.6254	0.4948		39.6	50.0	-20.9*	20.0
1,1,1-Trichloroethane	Ave	3.373	3.060	0.1000	22.7	25.0	-9.3	20.0
Cyclohexane	Ave	3.889	3.568	0.1000	22.9	25.0	-8.3	20.0
Isobutyl alcohol	Ave	0.0915	0.0866		591	625	-5.4	50.0
1,1-Dichloropropene	Ave	2.799	2.673		23.9	25.0	-4.5	20.0
Carbon tetrachloride	Ave	2.983	2.855	0.1000	23.9	25.0	-4.3	20.0
Benzene	Ave	7.827	8.053	0.5000	25.7	25.0	2.9	20.0
n-Heptane	Ave	3.085	2.365		19.2	25.0	-23.3*	20.0
1,2-Dichloroethane	Ave	3.337	2.856	0.1000	21.4	25.0	-14.4	20.0
Trichloroethene	Ave	2.151	2.140	0.2000	24.9	25.0	-0.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-283295/2 Calibration Date: 01/12/2016 21:32
 Instrument ID: HP5973C Calib Start Date: 12/11/2015 14:15
 GC Column: ZB-624 (30) ID: 0.53 (mm) Calib End Date: 12/11/2015 17:40
 Lab File ID: C60661.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	3.182	2.995	0.1000	23.5	25.0	-5.9	20.0
1,2-Dichloropropane	Ave	2.061	2.093	0.1000	25.4	25.0	1.5	20.0
1,4-Dioxane	Lin1		0.0070		720	500	44.0	50.0
Dibromomethane	Ave	1.335	1.348	0.1000	25.2	25.0	1.0	20.0
Bromodichloromethane	Ave	2.896	2.794	0.2000	24.1	25.0	-3.5	20.0
2-Chloroethyl vinyl ether	Ave	1.306	1.195		22.9	25.0	-8.5	20.0
cis-1,3-Dichloropropene	Ave	3.261	3.231	0.2000	24.8	25.0	-0.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9562	0.8001	0.1000	105	125	-16.3	20.0
Toluene	Ave	2.312	2.308	0.4000	25.0	25.0	-0.2	20.0
Ethyl methacrylate	Ave	1.117	1.016		22.7	25.0	-9.1	20.0
trans-1,3-Dichloropropene	Ave	1.430	1.354	0.1000	23.7	25.0	-5.4	20.0
1,1,2-Trichloroethane	Ave	0.7108	0.7151	0.1000	25.2	25.0	0.6	20.0
2-Hexanone	Ave	0.6613	0.5481	0.1000	104	125	-17.1	20.0
Tetrachloroethene	Ave	1.088	1.175	0.2000	27.0	25.0	8.1	20.0
1,3-Dichloropropane	Ave	1.444	1.428		24.7	25.0	-1.1	20.0
Dibromochloromethane	Ave	1.039	1.007	0.1000	24.2	25.0	-3.1	20.0
1,2-Dibromoethane	Ave	0.9169	0.9102		24.8	25.0	-0.7	20.0
Chlorobenzene	Ave	2.715	2.815	0.5000	25.9	25.0	3.7	20.0
Ethylbenzene	Ave	4.609	4.420	0.1000	24.0	25.0	-4.1	20.0
1,1,1,2-Tetrachloroethane	Ave	1.039	1.057		25.4	25.0	1.7	20.0
m,p-Xylene	Ave	1.784	1.804	0.1000	25.3	25.0	1.1	20.0
o-Xylene	Ave	1.787	1.815	0.3000	25.4	25.0	1.6	20.0
Styrene	Ave	2.916	2.927	0.3000	25.1	25.0	0.4	20.0
Isopropylbenzene	Ave	4.863	4.135	0.1000	21.3	25.0	-15.0	20.0
Bromoform	Ave	0.6124	0.6376	0.1000	26.0	25.0	4.1	50.0
1,1,2,2-Tetrachloroethane	Ave	1.125	1.028	0.3000	22.9	25.0	-8.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4136	0.3154		19.1	25.0	-23.7	50.0
N-Propylbenzene	Ave	5.599	4.788		21.4	25.0	-14.5	20.0
1,2,3-Trichloropropane	Ave	0.3674	0.3385		23.0	25.0	-7.9	20.0
Bromobenzene	Ave	1.250	1.206		24.1	25.0	-3.5	20.0
1,3,5-Trimethylbenzene	Ave	4.151	3.655		22.0	25.0	-11.9	20.0
2-Chlorotoluene	Ave	1.082	1.021		23.6	25.0	-5.6	20.0
4-Chlorotoluene	Ave	1.150	1.055		23.0	25.0	-8.2	20.0
tert-Butylbenzene	Ave	0.9022	0.7953		22.0	25.0	-11.9	20.0
1,2,4-Trimethylbenzene	Ave	4.273	3.792		22.2	25.0	-11.3	20.0
sec-Butylbenzene	Ave	5.131	4.525		22.0	25.0	-11.8	20.0
4-Isopropyltoluene	Ave	4.357	3.836		22.0	25.0	-12.0	20.0
1,3-Dichlorobenzene	Ave	2.406	2.297	0.6000	23.9	25.0	-4.6	20.0
1,4-Dichlorobenzene	Ave	2.479	2.383	0.5000	24.0	25.0	-3.9	20.0
n-Butylbenzene	Ave	3.837	3.269		21.3	25.0	-14.8	20.0
1,2-Dichlorobenzene	Ave	2.347	2.216	0.4000	23.6	25.0	-5.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-283295/2 Calibration Date: 01/12/2016 21:32
 Instrument ID: HP5973C Calib Start Date: 12/11/2015 14:15
 GC Column: ZB-624 (30) ID: 0.53 (mm) Calib End Date: 12/11/2015 17:40
 Lab File ID: C60661.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	0.2419	0.1772	0.0500	18.3	25.0	-26.7	50.0
1,2,4-Trichlorobenzene	Ave	1.577	1.542	0.2000	24.4	25.0	-2.3	20.0
Hexachlorobutadiene	Ave	0.6274	0.6051		24.1	25.0	-3.6	20.0
Naphthalene	Ave	3.437	3.261		23.7	25.0	-5.1	20.0
1,2,3-Trichlorobenzene	Ave	1.513	1.522		25.1	25.0	0.6	20.0
Dibromofluoromethane (Surr)	Ave	1.323	1.350		25.5	25.0	2.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7962	0.7286		22.9	25.0	-8.5	20.0
Toluene-d8 (Surr)	Ave	2.102	2.163		25.7	25.0	2.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7258	0.7955		27.4	25.0	9.6	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60661.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 12-Jan-2016 21:32:30 ALS Bottle#: 47 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0049899-002
 Operator ID: SO Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 13-Jan-2016 08:44:33 Calib Date: 11-Dec-2015 22:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK037

First Level Reviewer: goliszekg

Date: 13-Jan-2016 08:44:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	99	98668	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	86	215882	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.792	0.000	94	235551	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	133219	25.0	25.5	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	71886	25.0	22.9	
\$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	93	466884	25.0	25.7	
\$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	92	171734	25.0	27.4	
10 Dichlorodifluoromethane	85	4.436	4.436	0.000	99	202298	25.0	19.8	
12 Chloromethane	50	4.839	4.839	0.000	99	206489	25.0	19.3	
13 Vinyl chloride	62	5.076	5.076	0.000	98	197410	25.0	21.2	
151 Butadiene	54	5.124	5.124	0.000	87	185618	25.0	19.2	
14 Bromomethane	94	5.681	5.681	0.000	91	163414	25.0	25.6	
15 Chloroethane	64	5.823	5.823	0.000	99	149940	25.0	25.3	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	98	369450	25.0	23.5	
17 Trichlorofluoromethane	101	6.155	6.155	0.000	97	345444	25.0	23.4	
18 Ethyl ether	59	6.476	6.476	0.000	91	174259	25.0	22.9	
20 Acrolein	56	6.725	6.725	0.000	99	130582	125.0	101.5	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	190753	25.0	23.4	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	96	175694	25.0	23.7	
23 Acetone	43	6.879	6.879	0.000	98	243672	125.0	106.9	
25 Iodomethane	142	7.045	7.045	0.000	99	360771	25.0	25.2	
26 Carbon disulfide	76	7.140	7.140	0.000	99	718430	25.0	24.5	
27 Methyl acetate	43	7.163	7.163	0.000	97	615513	125.0	107.3	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	83	255397	25.0	18.8	
30 Methylene Chloride	84	7.341	7.341	0.000	92	210575	25.0	25.9	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	100	209796	250.0	278.7	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	96	538304	25.0	22.7	
34 trans-1,2-Dichloroethene	96	7.567	7.567	0.000	97	200932	25.0	25.4	
33 Acrylonitrile	53	7.578	7.578	0.000	99	730487	250.0	256.1	
35 Hexane	57	7.709	7.709	0.000	87	265684	25.0	21.6	

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	7.910	7.910	0.000	97	688704	50.0	41.3	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	371082	25.0	24.4	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	370164	125.0	107.0	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	89	294303	25.0	23.7	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	86	220034	25.0	25.3	
48 Chlorobromomethane	128	8.693	8.693	0.000	93	119004	25.0	28.1	
49 Tetrahydrofuran	42	8.705	8.705	0.000	53	97631	50.0	39.6	
50 Chloroform	83	8.705	8.705	0.000	95	358935	25.0	23.1	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	98	301888	25.0	22.7	
52 Cyclohexane	56	8.907	8.907	0.000	89	352046	25.0	22.9	
53 Isobutyl alcohol	43	8.954	8.954	0.000	98	213557	625.0	591.1	
54 1,1-Dichloropropene	75	8.990	8.990	0.000	98	263702	25.0	23.9	
55 Carbon tetrachloride	117	9.001	9.001	0.000	97	281680	25.0	23.9	
57 Benzene	78	9.179	9.179	0.000	97	794614	25.0	25.7	
59 n-Heptane	43	9.191	9.191	0.000	88	233330	25.0	19.2	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	98	281827	25.0	21.4	
62 Trichloroethene	95	9.654	9.654	0.000	95	211126	25.0	24.9	
64 Methylcyclohexane	83	9.796	9.796	0.000	91	295461	25.0	23.5	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	97	206487	25.0	25.4	
66 1,4-Dioxane	88	9.926	9.926	0.000	95	30417	500.0	719.9	
67 Dibromomethane	93	9.998	9.998	0.000	93	133028	25.0	25.2	
68 Dichlorobromomethane	83	10.069	10.069	0.000	99	275654	25.0	24.1	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	93	117916	25.0	22.9	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	98	318843	25.0	24.8	
73 4-Methyl-2-pentanone (MIBK)	43	10.413	10.413	0.000	95	863595	125.0	104.6	
74 Toluene	92	10.650	10.650	0.000	99	498222	25.0	25.0	
75 Ethyl methacrylate	69	10.721	10.721	0.000	87	219291	25.0	22.7	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	92	292213	25.0	23.7	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	92	154371	25.0	25.2	
80 2-Hexanone	43	11.053	11.053	0.000	92	591646	125.0	103.6	
81 Tetrachloroethene	166	11.088	11.088	0.000	99	253707	25.0	27.0	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	89	308307	25.0	24.7	
83 Chlorodibromomethane	129	11.338	11.338	0.000	89	217350	25.0	24.2	
84 Ethylene Dibromide	107	11.480	11.480	0.000	99	196485	25.0	24.8	
87 Chlorobenzene	112	11.800	11.800	0.000	90	607747	25.0	25.9	
88 Ethylbenzene	91	11.812	11.812	0.000	96	954197	25.0	24.0	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	95	228147	25.0	25.4	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	389346	25.0	25.3	
91 o-Xylene	106	12.239	12.239	0.000	96	391881	25.0	25.4	
92 Styrene	104	12.251	12.251	0.000	94	631906	25.0	25.1	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	974084	25.0	21.3	
95 Bromoform	173	12.523	12.523	0.000	95	137645	25.0	26.0	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	96	242207	25.0	22.9	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.832	0.000	89	74297	25.0	19.1	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	1127814	25.0	21.4	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	81	79735	25.0	23.0	
101 Bromobenzene	156	12.915	12.915	0.000	85	284135	25.0	24.1	
102 1,3,5-Trimethylbenzene	105	12.962	12.962	0.000	94	860937	25.0	22.0	
103 2-Chlorotoluene	126	13.021	13.021	0.000	97	240494	25.0	23.6	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	248597	25.0	23.0	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	187329	25.0	22.0	
107 1,2,4-Trimethylbenzene	105	13.342	13.342	0.000	95	893107	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
109 sec-Butylbenzene	105	13.496	13.496	0.000	94	1065858	25.0	22.0	
110 4-Isopropyltoluene	119	13.591	13.591	0.000	97	903653	25.0	22.0	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	98	540950	25.0	23.9	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	96	561345	25.0	24.0	
115 n-Butylbenzene	91	14.006	14.006	0.000	97	770032	25.0	21.3	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	99	522072	25.0	23.6	
117 1,2-Dibromo-3-Chloropropan	75	15.120	15.120	0.000	86	41747	25.0	18.3	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	363108	25.0	24.4	
120 Hexachlorobutadiene	225	16.247	16.247	0.000	96	142530	25.0	24.1	
121 Naphthalene	128	16.579	16.579	0.000	97	768050	25.0	23.7	
122 1,2,3-Trichlorobenzene	180	16.947	16.947	0.000	97	358469	25.0	25.1	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00130	Amount Added: 12.50	Units: uL	
C_8260_IS_00066	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00069	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60661.D

Injection Date: 12-Jan-2016 21:32:30

Instrument ID: HP5973C

Operator ID: SO

Lims ID: CCVIS

Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL

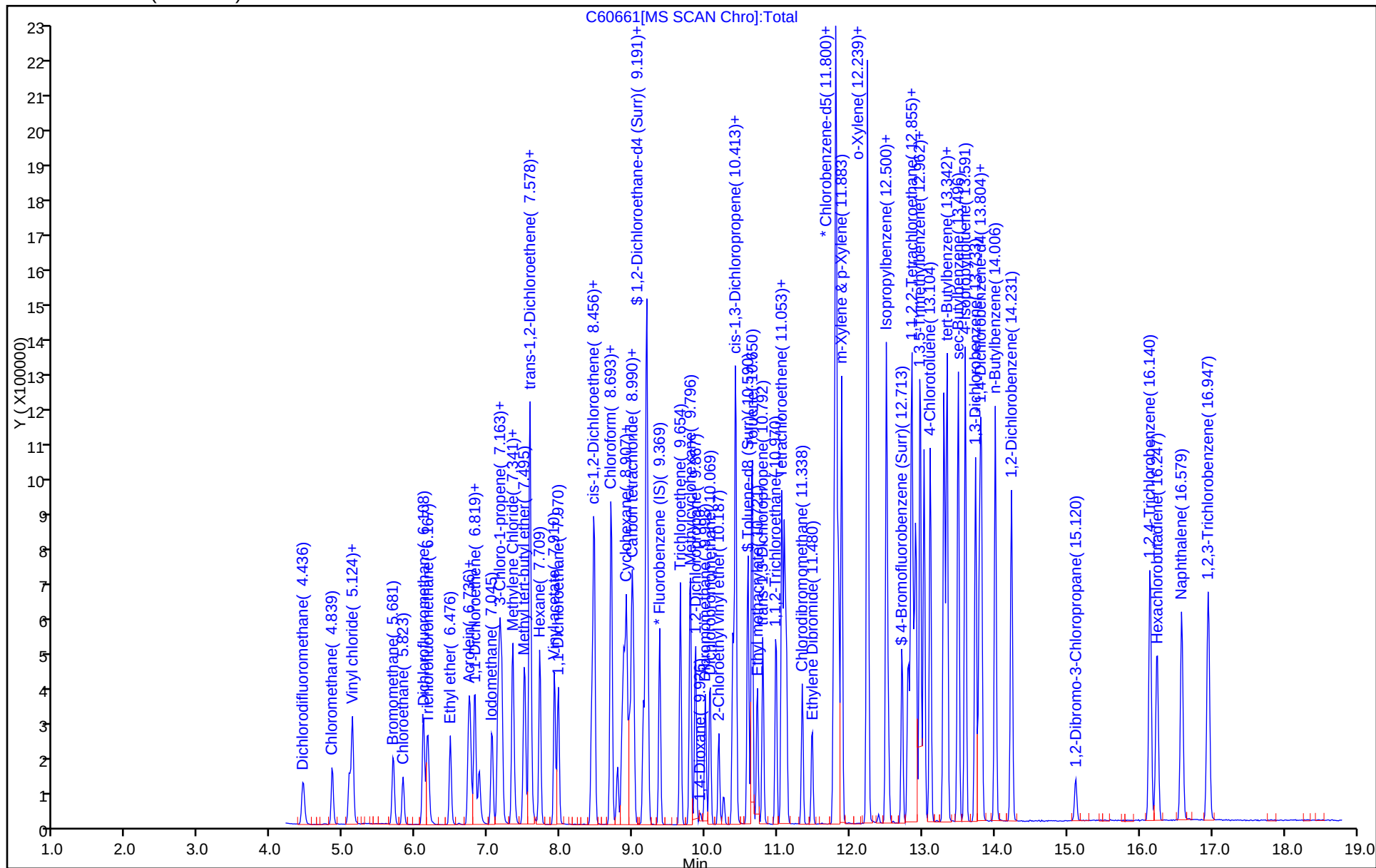
Dil. Factor: 1.0000

ALS Bottle#: 47

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
SDG No.: _____
Lab Sample ID: CCV 480-283295/3 Calibration Date: 01/12/2016 21:58
Instrument ID: HP5973C Calib Start Date: 10/20/2015 15:09
GC Column: ZB-624 (30) ID: 0.53 (mm) Calib End Date: 10/20/2015 17:54
Lab File ID: C60662.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
1,1-Dimethoxyethane	Ave	0.3447	0.3298		120	125	-4.3	20.0
Epichlorohydrin	Ave	0.1410	0.1850		328	250	31.2*	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60662.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 12-Jan-2016 21:58:30 ALS Bottle#: 48 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCV
 Misc. Info.: 480-0049899-003
 Operator ID: SO Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub64
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 13-Jan-2016 08:42:38 Calib Date: 11-Dec-2015 22:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK037

First Level Reviewer: o'briens

Date: 12-Jan-2016 22:15:50

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	9.369	9.369	0.000	99	114416	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	85	214443	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.792	0.000	96	233597	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	134290	25.0	22.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	82930	25.0	22.8	
\$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	92	460605	25.0	25.6	
\$ 6 4-Bromofluorobenzene (Surr	174	12.725	12.725	0.000	95	164152	25.0	26.4	
11 Chlorodifluoromethane	51	4.471	4.471	0.000	97	120744	25.0	14.1	
148 Ethanol	45	6.416	6.416	0.000	99	54918	1000.0	999.5	
19 Propene oxide	58	6.630	6.630	0.000	96	236857	NC	NC	
24 Isopropyl alcohol	45	6.974	6.974	0.000	98	92991	250.0	233.2	
29 Acetonitrile	40	7.223	7.223	0.000	99	106280	250.0	250.4	
36 Isopropyl ether	45	7.875	7.875	0.000	93	556039	25.0	21.1	
38 1,1-Dimethoxyethane	75	7.970	7.970	0.000	98	188666	125.0	119.6	
40 2-Chloro-1,3-butadiene	53	8.017	8.017	0.000	92	264174	25.0	18.7	
41 Tert-butyl ethyl ether	59	8.183	8.183	0.000	99	667484	25.0	24.0	
42 Ethyl acetate	43	8.397	8.397	0.000	98	301194	50.0	41.6	
46 Propionitrile	54	8.539	8.539	0.000	99	286308	250.0	266.0	
47 Methacrylonitrile	41	8.646	8.646	0.000	89	1043649	250.0	199.3	
147 t-Amyl alcohol	59	9.037	9.037	0.000	93	160808	250.0	236.9	
152 Isooctane	57	9.108	9.108	0.000	95	536902	25.0	21.1	
56 Tert-amyl methyl ether	73	9.132	9.132	0.000	98	561183	25.0	23.8	
1 1,4-Difluorobenzene	114	9.405	9.405	0.000	93	599611	25.0	25.9	
60 n-Butanol	56	9.452	9.452	0.000	79	110043	625.0	699.4	
142 Ethyl acrylate	55	9.606	9.606	0.000	99	259830	25.0	13.4	
63 Methyl methacrylate	41	9.784	9.784	0.000	87	292460	50.0	36.8	
70 2-Nitropropane	43	10.235	10.235	0.000	99	86125	50.0	33.0	
71 Epichlorohydrin	57	10.330	10.330	0.000	99	211622	250.0	328.0	
76 2-Methylthiophene	97	10.768	10.768	0.000	97	674826	25.0	21.3	
78 3-Methylthiophene	97	10.899	10.899	0.000	99	634533	25.0	19.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
155 n-Butyl acetate	43	11.065	11.065	0.000	97	242077	25.0	18.7	
85 3-Chlorobenzotrifluoride	180	11.622	11.622	0.000	92	307113	25.0	21.4	
146 1-Chlorohexane	55	11.634	11.634	0.000	95	174625	25.0	20.1	
86 4-Chlorobenzotrifluoride	180	11.658	11.658	0.000	95	322977	25.0	23.8	
93 2-Chlorobenzotrifluoride	180	12.405	12.405	0.000	97	320605	25.0	23.1	
96 Cyclohexanone	55	12.725	12.725	0.000	90	49690	250.0	177.8	
104 3-Chlorotoluene	126	13.069	13.069	0.000	97	241258	25.0	22.8	
108 Pentachloroethane	167	13.425	13.425	0.000	90	149450	25.0	27.1	
112 1,2,3-Trimethylbenzene	105	13.780	13.780	0.000	99	889541	25.0	22.3	
114 Dicyclopentadiene	66	13.828	13.828	0.000	94	256114	25.0	20.0	
150 Benzyl chloride	126	13.934	13.934	0.000	98	104222	25.0	31.9	
118 1,3,5-Trichlorobenzene	180	15.286	15.286	0.000	98	397011	25.0	26.0	
149 2-Methylnaphthalene	142	18.536	18.536	0.000	94	407752	25.0	22.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

3MTP_WRK_00051	Amount Added: 12.50	Units: uL	
2MTP_WRK_00049	Amount Added: 12.50	Units: uL	
ADD CORP mix_00042	Amount Added: 12.50	Units: uL	
C_8260_IS_00066	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00069	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60662.D

Injection Date: 12-Jan-2016 21:58:30

Instrument ID: HP5973C

Operator ID: SO

Lims ID: CCV

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

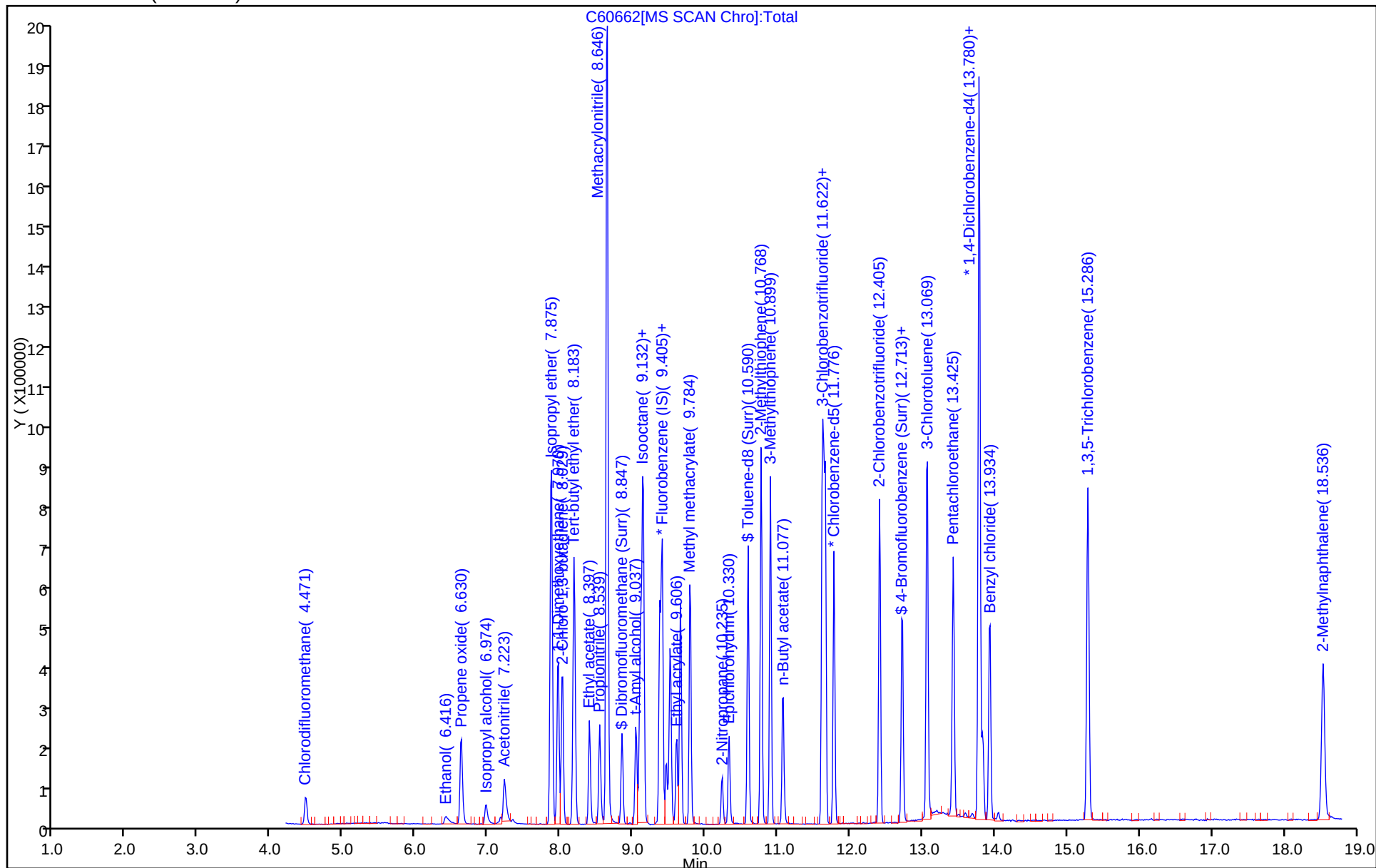
Dil. Factor: 1.0000

ALS Bottle#: 48

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
SDG No.: _____
Lab Sample ID: CCV 480-283295/3 Calibration Date: 01/12/2016 21:58
Instrument ID: HP5973C Calib Start Date: 12/11/2015 14:15
GC Column: ZB-624 (30) ID: 0.53 (mm) Calib End Date: 12/11/2015 17:40
Lab File ID: C60662.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
Dibromofluoromethane (Surr)	Ave	1.323	1.174		22.2	25.0	-11.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7962	0.7248		22.8	25.0	-9.0	20.0
Toluene-d8 (Surr)	Ave	2.102	2.148		25.6	25.0	2.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7258	0.7655		26.4	25.0	5.5	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60662.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 12-Jan-2016 21:58:30 ALS Bottle#: 48 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCV
 Misc. Info.: 480-0049899-003
 Operator ID: SO Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub64
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 13-Jan-2016 08:42:38 Calib Date: 11-Dec-2015 22:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK037

First Level Reviewer: o'briens

Date: 12-Jan-2016 22:15:50

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	9.369	9.369	0.000	99	114416	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	85	214443	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.792	0.000	96	233597	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	134290	25.0	22.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	82930	25.0	22.8	
\$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	92	460605	25.0	25.6	
\$ 6 4-Bromofluorobenzene (Surr	174	12.725	12.725	0.000	95	164152	25.0	26.4	
11 Chlorodifluoromethane	51	4.471	4.471	0.000	97	120744	25.0	14.1	
148 Ethanol	45	6.416	6.416	0.000	99	54918	1000.0	999.5	
19 Propene oxide	58	6.630	6.630	0.000	96	236857	NC	NC	
24 Isopropyl alcohol	45	6.974	6.974	0.000	98	92991	250.0	233.2	
29 Acetonitrile	40	7.223	7.223	0.000	99	106280	250.0	250.4	
36 Isopropyl ether	45	7.875	7.875	0.000	93	556039	25.0	21.1	
38 1,1-Dimethoxyethane	75	7.970	7.970	0.000	98	188666	125.0	119.6	
40 2-Chloro-1,3-butadiene	53	8.017	8.017	0.000	92	264174	25.0	18.7	
41 Tert-butyl ethyl ether	59	8.183	8.183	0.000	99	667484	25.0	24.0	
42 Ethyl acetate	43	8.397	8.397	0.000	98	301194	50.0	41.6	
46 Propionitrile	54	8.539	8.539	0.000	99	286308	250.0	266.0	
47 Methacrylonitrile	41	8.646	8.646	0.000	89	1043649	250.0	199.3	
147 t-Amyl alcohol	59	9.037	9.037	0.000	93	160808	250.0	236.9	
152 Isooctane	57	9.108	9.108	0.000	95	536902	25.0	21.1	
56 Tert-amyl methyl ether	73	9.132	9.132	0.000	98	561183	25.0	23.8	
1 1,4-Difluorobenzene	114	9.405	9.405	0.000	93	599611	25.0	25.9	
60 n-Butanol	56	9.452	9.452	0.000	79	110043	625.0	699.4	
142 Ethyl acrylate	55	9.606	9.606	0.000	99	259830	25.0	13.4	
63 Methyl methacrylate	41	9.784	9.784	0.000	87	292460	50.0	36.8	
70 2-Nitropropane	43	10.235	10.235	0.000	99	86125	50.0	33.0	
71 Epichlorohydrin	57	10.330	10.330	0.000	99	211622	250.0	328.0	
76 2-Methylthiophene	97	10.768	10.768	0.000	97	674826	25.0	21.3	
78 3-Methylthiophene	97	10.899	10.899	0.000	99	634533	25.0	19.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
155 n-Butyl acetate	43	11.065	11.065	0.000	97	242077	25.0	18.7	
85 3-Chlorobenzotrifluoride	180	11.622	11.622	0.000	92	307113	25.0	21.4	
146 1-Chlorohexane	55	11.634	11.634	0.000	95	174625	25.0	20.1	
86 4-Chlorobenzotrifluoride	180	11.658	11.658	0.000	95	322977	25.0	23.8	
93 2-Chlorobenzotrifluoride	180	12.405	12.405	0.000	97	320605	25.0	23.1	
96 Cyclohexanone	55	12.725	12.725	0.000	90	49690	250.0	177.8	
104 3-Chlorotoluene	126	13.069	13.069	0.000	97	241258	25.0	22.8	
108 Pentachloroethane	167	13.425	13.425	0.000	90	149450	25.0	27.1	
112 1,2,3-Trimethylbenzene	105	13.780	13.780	0.000	99	889541	25.0	22.3	
114 Dicyclopentadiene	66	13.828	13.828	0.000	94	256114	25.0	20.0	
150 Benzyl chloride	126	13.934	13.934	0.000	98	104222	25.0	31.9	
118 1,3,5-Trichlorobenzene	180	15.286	15.286	0.000	98	397011	25.0	26.0	
149 2-Methylnaphthalene	142	18.536	18.536	0.000	94	407752	25.0	22.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

3MTP_WRK_00051	Amount Added: 12.50	Units: uL	
2MTP_WRK_00049	Amount Added: 12.50	Units: uL	
ADD CORP mix_00042	Amount Added: 12.50	Units: uL	
C_8260_IS_00066	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00069	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60662.D

Injection Date: 12-Jan-2016 21:58:30

Instrument ID: HP5973C

Operator ID: SO

Lims ID: CCV

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

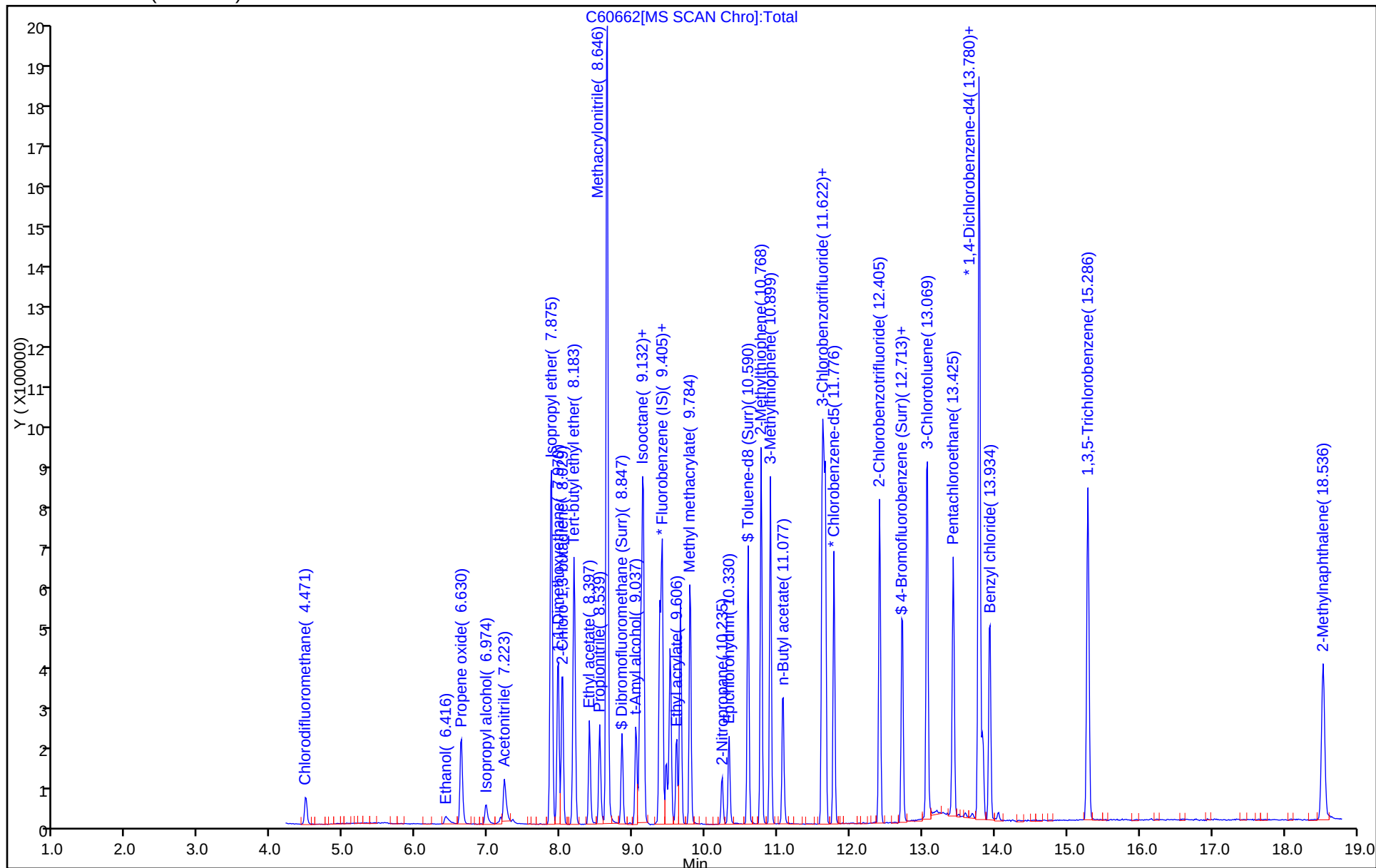
Dil. Factor: 1.0000

ALS Bottle#: 48

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Lab Sample ID: CCV 480-283295/3 Calibration Date: 01/12/2016 21:58
 Instrument ID: HP5973C Calib Start Date: 12/11/2015 19:49
 GC Column: ZB-624 (30) ID: 0.53 (mm) Calib End Date: 12/11/2015 22:23
 Lab File ID: C60662.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
Chlorodifluoromethane	Ave	1.872	1.055		14.1	25.0	-43.6*	20.0
Ethanol	Ave	0.0120	0.0120		1000	1000	-0.0	20.0
Isopropyl alcohol	Ave	0.0871	0.0813		233	250	-6.7	20.0
Acetonitrile	Ave	0.0927	0.0929		250	250	0.2	20.0
Isopropyl ether	Ave	5.759	4.860		21.1	25.0	-15.6	20.0
Chloroprene	Ave	3.081	2.309		18.7	25.0	-25.1*	20.0
Tert-butyl ethyl ether	Ave	6.069	5.834		24.0	25.0	-3.9	20.0
Ethyl acetate	Ave	1.581	1.316		41.6	50.0	-16.8	20.0
Propionitrile	Ave	0.2352	0.2502		266	250	6.4	20.0
Methacrylonitrile	Ave	1.144	0.9122		199	250	-20.3*	20.0
t-Amyl alcohol	Ave	0.1483	0.1406		237	250	-5.2	20.0
Isooctane	Ave	5.572	4.693		21.1	25.0	-15.8	20.0
Tert-amyl methyl ether	Ave	5.160	4.905		23.8	25.0	-4.9	20.0
1,4-Difluorobenzene	Ave	5.065	5.241		25.9	25.0	3.5	20.0
n-Butanol	Ave	0.0344	0.0385		699	625	11.9	20.0
Ethyl acrylate	Ave	4.226	2.271		13.4	25.0	-46.3*	20.0
Methyl methacrylate	Ave	1.735	1.278		36.8	50.0	-26.3*	20.0
2-Nitropropane	Ave	0.5694	0.3764		33.0	50.0	-33.9*	20.0
2-Methylthiophene	Ave	3.395	2.889		21.3	25.0	-14.9	20.0
3-Methylthiophene	Ave	3.419	2.716		19.9	25.0	-20.5*	20.0
n-Butyl acetate	Ave	1.388	1.036	0.1000	18.7	25.0	-25.4*	20.0
3-Chlorobenzotrifluoride	Ave	1.534	1.315		21.4	25.0	-14.3	20.0
1-Chlorohexane	Ave	1.014	0.8143		20.1	25.0	-19.7	20.0
4-Chlorobenzotrifluoride	Ave	1.452	1.383		23.8	25.0	-4.8	20.0
2-Chlorobenzotrifluoride	Ave	1.482	1.372		23.1	25.0	-7.4	20.0
Cyclohexanone	Ave	0.0299	0.0213		178	250	-28.9*	20.0
3-Chlorotoluene	Ave	1.130	1.033		22.8	25.0	-8.6	20.0
Pentachloroethane	Ave	0.5892	0.6398		27.1	25.0	8.6	20.0
1,2,3-Trimethylbenzene	Ave	4.270	3.808		22.3	25.0	-10.8	20.0
Dicyclopentadiene	Ave	1.370	1.096		20.0	25.0	-20.0	20.0
Benzyl chloride	Ave	0.3808	0.4860		31.9	25.0	27.6*	20.0
1,3,5-Trichlorobenzene	Ave	1.636	1.700		26.0	25.0	3.9	20.0
2-Methylnaphthalene	Ave	1.922	1.746		22.7	25.0	-9.2	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60662.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 12-Jan-2016 21:58:30 ALS Bottle#: 48 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCV
 Misc. Info.: 480-0049899-003
 Operator ID: SO Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub64
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 13-Jan-2016 08:42:38 Calib Date: 11-Dec-2015 22:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK037

First Level Reviewer: o'briens

Date: 12-Jan-2016 22:15:50

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	9.369	9.369	0.000	99	114416	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	85	214443	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.792	0.000	96	233597	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	134290	25.0	22.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	82930	25.0	22.8	
\$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	92	460605	25.0	25.6	
\$ 6 4-Bromofluorobenzene (Surr	174	12.725	12.725	0.000	95	164152	25.0	26.4	
11 Chlorodifluoromethane	51	4.471	4.471	0.000	97	120744	25.0	14.1	
148 Ethanol	45	6.416	6.416	0.000	99	54918	1000.0	999.5	
19 Propene oxide	58	6.630	6.630	0.000	96	236857	NC	NC	
24 Isopropyl alcohol	45	6.974	6.974	0.000	98	92991	250.0	233.2	
29 Acetonitrile	40	7.223	7.223	0.000	99	106280	250.0	250.4	
36 Isopropyl ether	45	7.875	7.875	0.000	93	556039	25.0	21.1	
38 1,1-Dimethoxyethane	75	7.970	7.970	0.000	98	188666	125.0	119.6	
40 2-Chloro-1,3-butadiene	53	8.017	8.017	0.000	92	264174	25.0	18.7	
41 Tert-butyl ethyl ether	59	8.183	8.183	0.000	99	667484	25.0	24.0	
42 Ethyl acetate	43	8.397	8.397	0.000	98	301194	50.0	41.6	
46 Propionitrile	54	8.539	8.539	0.000	99	286308	250.0	266.0	
47 Methacrylonitrile	41	8.646	8.646	0.000	89	1043649	250.0	199.3	
147 t-Amyl alcohol	59	9.037	9.037	0.000	93	160808	250.0	236.9	
152 Isooctane	57	9.108	9.108	0.000	95	536902	25.0	21.1	
56 Tert-amyl methyl ether	73	9.132	9.132	0.000	98	561183	25.0	23.8	
1 1,4-Difluorobenzene	114	9.405	9.405	0.000	93	599611	25.0	25.9	
60 n-Butanol	56	9.452	9.452	0.000	79	110043	625.0	699.4	
142 Ethyl acrylate	55	9.606	9.606	0.000	99	259830	25.0	13.4	
63 Methyl methacrylate	41	9.784	9.784	0.000	87	292460	50.0	36.8	
70 2-Nitropropane	43	10.235	10.235	0.000	99	86125	50.0	33.0	
71 Epichlorohydrin	57	10.330	10.330	0.000	99	211622	250.0	328.0	
76 2-Methylthiophene	97	10.768	10.768	0.000	97	674826	25.0	21.3	
78 3-Methylthiophene	97	10.899	10.899	0.000	99	634533	25.0	19.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
155 n-Butyl acetate	43	11.065	11.065	0.000	97	242077	25.0	18.7	
85 3-Chlorobenzotrifluoride	180	11.622	11.622	0.000	92	307113	25.0	21.4	
146 1-Chlorohexane	55	11.634	11.634	0.000	95	174625	25.0	20.1	
86 4-Chlorobenzotrifluoride	180	11.658	11.658	0.000	95	322977	25.0	23.8	
93 2-Chlorobenzotrifluoride	180	12.405	12.405	0.000	97	320605	25.0	23.1	
96 Cyclohexanone	55	12.725	12.725	0.000	90	49690	250.0	177.8	
104 3-Chlorotoluene	126	13.069	13.069	0.000	97	241258	25.0	22.8	
108 Pentachloroethane	167	13.425	13.425	0.000	90	149450	25.0	27.1	
112 1,2,3-Trimethylbenzene	105	13.780	13.780	0.000	99	889541	25.0	22.3	
114 Dicyclopentadiene	66	13.828	13.828	0.000	94	256114	25.0	20.0	
150 Benzyl chloride	126	13.934	13.934	0.000	98	104222	25.0	31.9	
118 1,3,5-Trichlorobenzene	180	15.286	15.286	0.000	98	397011	25.0	26.0	
149 2-Methylnaphthalene	142	18.536	18.536	0.000	94	407752	25.0	22.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

3MTP_WRK_00051	Amount Added: 12.50	Units: uL	
2MTP_WRK_00049	Amount Added: 12.50	Units: uL	
ADD CORP mix_00042	Amount Added: 12.50	Units: uL	
C_8260_IS_00066	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00069	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60662.D

Injection Date: 12-Jan-2016 21:58:30

Instrument ID: HP5973C

Operator ID: SO

Lims ID: CCV

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

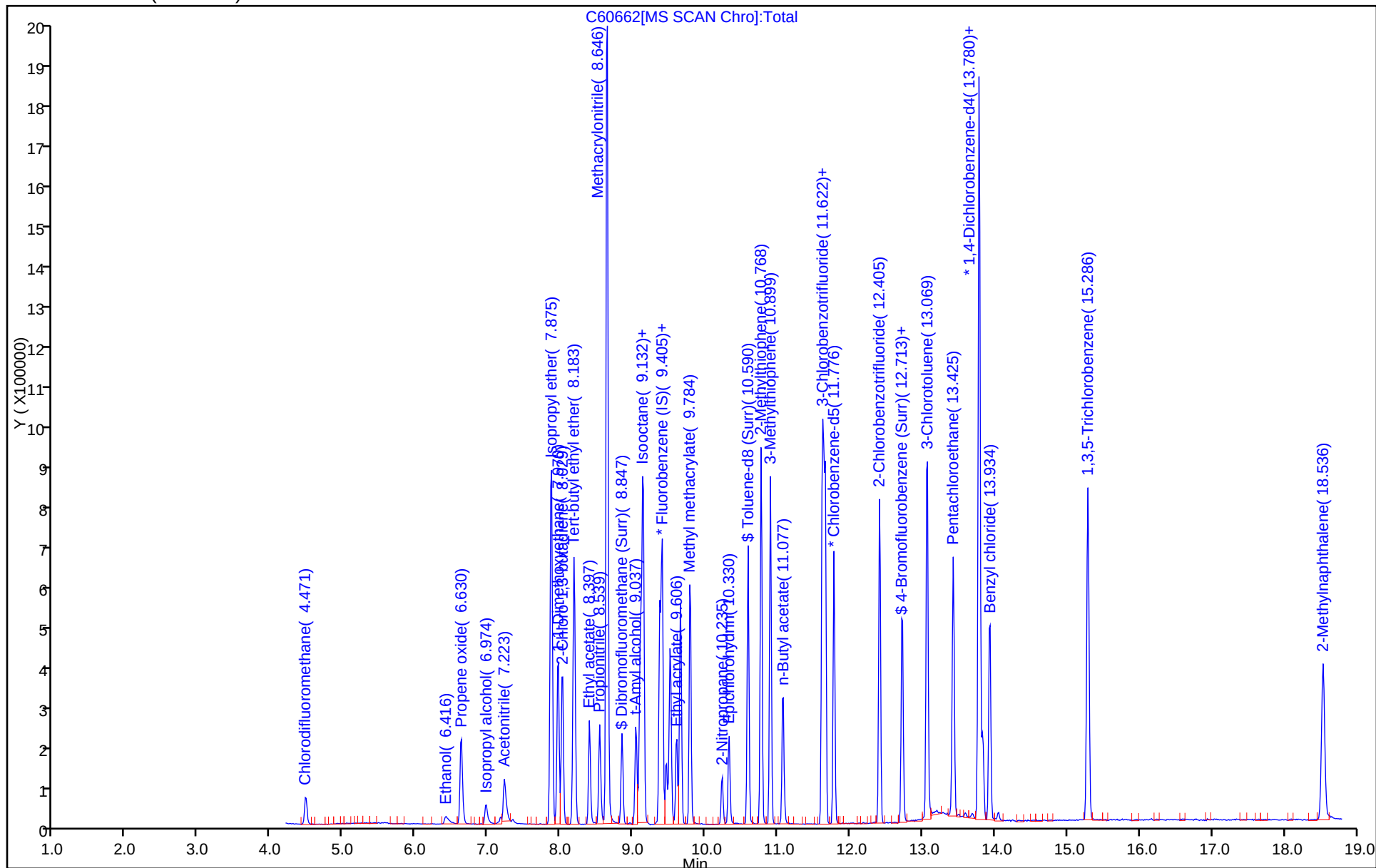
Dil. Factor: 1.0000

ALS Bottle#: 48

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1

SDG No.: _____

Lab Sample ID: CCVIS 480-282953/3 Calibration Date: 01/11/2016 09:41

Instrument ID: HP5975T Calib Start Date: 12/31/2015 16:15

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 12/31/2015 19:00

Lab File ID: T4003.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	1.912	1.687	0.1000	22.1	25.0	-11.8	50.0
Chloromethane	Ave	1.932	1.685	0.1000	21.8	25.0	-12.8	20.0
Butadiene	Ave	1.779	1.663		23.4	25.0	-6.5	20.0
Vinyl chloride	Ave	1.870	1.738	0.1000	23.2	25.0	-7.0	20.0
Bromomethane	Ave	0.6893	0.8766	0.1000	31.8	25.0	27.2	50.0
Chloroethane	Ave	0.7101	0.8681	0.1000	30.6	25.0	22.3	50.0
Dichlorofluoromethane	Ave	2.174	2.487		28.6	25.0	14.4	20.0
Trichlorofluoromethane	Ave	2.044	2.445	0.1000	29.9	25.0	19.6	20.0
Ethyl ether	Ave	1.430	1.346		23.5	25.0	-5.8	20.0
Acrolein	Ave	0.2176	0.1935		111	125	-11.1	50.0
1,1-Dichloroethene	Ave	1.495	1.470	0.1000	24.6	25.0	-1.7	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.482	1.569	0.1000	26.5	25.0	5.9	20.0
Acetone	Ave	0.3410	0.3605	0.1000	132	125	5.7	50.0
Iodomethane	Ave	2.790	2.962		26.5	25.0	6.2	20.0
Carbon disulfide	Ave	4.533	4.224	0.1000	23.3	25.0	-6.8	20.0
Allyl chloride	Ave	2.336	2.301		24.6	25.0	-1.5	20.0
Methyl acetate	Ave	1.015	0.999	0.1000	123	125	-1.5	50.0
Methylene Chloride	Lin1		1.578	0.1000	26.3	25.0	5.0	20.0
2-Methyl-2-propanol	Ave	0.1673	0.1402		210	250	-16.2	50.0
Methyl tert-butyl ether	Ave	4.299	4.173	0.1000	24.3	25.0	-2.9	20.0
trans-1,2-Dichloroethene	Ave	1.612	1.630	0.1000	25.3	25.0	1.1	20.0
Acrylonitrile	Ave	0.5679	0.5257		231	250	-7.4	20.0
Hexane	Ave	2.548	2.341		23.0	25.0	-8.2	20.0
1,1-Dichloroethane	Ave	2.978	2.905	0.2000	24.4	25.0	-2.4	20.0
Vinyl acetate	Ave	2.956	2.943		49.8	50.0	-0.4	20.0
2,2-Dichloropropane	Ave	2.393	2.437		25.5	25.0	1.8	20.0
cis-1,2-Dichloroethene	Ave	1.776	1.842	0.1000	25.9	25.0	3.7	20.0
2-Butanone (MEK)	Ave	0.5502	0.5609	0.1000	127	125	1.9	20.0
Chlorobromomethane	Ave	0.9217	0.9769		26.5	25.0	6.0	20.0
Tetrahydrofuran	Ave	0.4177	0.3754		44.9	50.0	-10.1	20.0
Chloroform	Ave	2.739	2.778	0.2000	25.4	25.0	1.4	20.0
1,1,1-Trichloroethane	Ave	2.529	2.699	0.1000	26.7	25.0	6.7	20.0
Cyclohexane	Ave	3.068	2.903	0.1000	23.7	25.0	-5.4	20.0
1,1-Dichloropropene	Ave	2.044	2.040		25.0	25.0	-0.2	20.0
Carbon tetrachloride	Ave	2.275	2.441	0.1000	26.8	25.0	7.3	20.0
Isobutyl alcohol	Ave	0.0596	0.0495		519	625	-17.0	50.0
Benzene	Ave	6.184	5.923	0.5000	23.9	25.0	-4.2	20.0
1,2-Dichloroethane	Ave	2.360	2.377	0.1000	25.2	25.0	0.8	20.0
n-Heptane	Lin1		2.404		26.5	25.0	5.9	20.0
Trichloroethene	Ave	1.610	1.685	0.2000	26.2	25.0	4.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1

SDG No.: _____

Lab Sample ID: CCVIS 480-282953/3 Calibration Date: 01/11/2016 09:41

Instrument ID: HP5975T Calib Start Date: 12/31/2015 16:15

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 12/31/2015 19:00

Lab File ID: T4003.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	2.675	2.695	0.1000	25.2	25.0	0.8	20.0
1,2-Dichloropropane	Ave	1.675	1.536	0.1000	22.9	25.0	-8.3	20.0
Dibromomethane	Ave	0.9828	1.008	0.1000	25.6	25.0	2.5	20.0
1,4-Dioxane	Ave	0.0041	0.0025		307	500	-38.6	50.0
Bromodichloromethane	Ave	1.972	2.014	0.2000	25.5	25.0	2.1	20.0
2-Chloroethyl vinyl ether	Ave	1.073	0.9915		23.1	25.0	-7.6	20.0
cis-1,3-Dichloropropene	Ave	2.433	2.336	0.2000	24.0	25.0	-4.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3243	0.2922	0.1000	113	125	-9.9	20.0
Toluene	Ave	0.9833	0.8909	0.4000	22.7	25.0	-9.4	20.0
trans-1,3-Dichloropropene	Ave	0.5479	0.4819	0.1000	22.0	25.0	-12.0	20.0
Ethyl methacrylate	Ave	0.4489	0.3955		22.0	25.0	-11.9	20.0
1,1,2-Trichloroethane	Ave	0.2744	0.2479	0.1000	22.6	25.0	-9.7	20.0
Tetrachloroethene	Ave	0.4462	0.4571	0.2000	25.6	25.0	2.5	20.0
1,3-Dichloropropane	Ave	0.5596	0.4890		21.8	25.0	-12.6	20.0
2-Hexanone	Ave	0.2176	0.2054	0.1000	118	125	-5.6	20.0
Dibromochloromethane	Ave	0.3946	0.3906	0.1000	24.7	25.0	-1.0	20.0
1,2-Dibromoethane	Ave	0.3575	0.3480		24.3	25.0	-2.7	20.0
Chlorobenzene	Ave	1.110	1.059	0.5000	23.8	25.0	-4.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4179	0.4164		24.9	25.0	-0.4	20.0
Ethylbenzene	Ave	1.851	1.748	0.1000	23.6	25.0	-5.5	20.0
m,p-Xylene	Ave	0.7509	0.7251	0.1000	24.1	25.0	-3.4	20.0
o-Xylene	Ave	0.7481	0.7235	0.3000	24.2	25.0	-3.3	20.0
Styrene	Ave	1.182	1.134	0.3000	24.0	25.0	-4.1	20.0
Bromoform	Ave	0.2186	0.2204	0.1000	25.2	25.0	0.8	50.0
Isopropylbenzene	Ave	3.563	3.283	0.1000	23.0	25.0	-7.9	20.0
Bromobenzene	Ave	0.9347	0.8836		23.6	25.0	-5.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7325	0.6705	0.3000	22.9	25.0	-8.5	20.0
1,2,3-Trichloropropane	Ave	0.2547	0.2406		23.6	25.0	-5.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2901	0.2050		17.7	25.0	-29.3	50.0
N-Propylbenzene	Ave	4.115	3.685		22.4	25.0	-10.5	20.0
2-Chlorotoluene	Ave	0.8662	0.8192		23.6	25.0	-5.4	20.0
1,3,5-Trimethylbenzene	Ave	3.037	2.866		23.6	25.0	-5.6	20.0
4-Chlorotoluene	Ave	2.560	2.325		22.7	25.0	-9.2	20.0
tert-Butylbenzene	Ave	0.6973	0.6701		24.0	25.0	-3.9	20.0
1,2,4-Trimethylbenzene	Ave	3.230	2.942		22.8	25.0	-8.9	20.0
sec-Butylbenzene	Ave	3.979	3.691		23.2	25.0	-7.2	20.0
4-Isopropyltoluene	Ave	3.380	3.287		24.3	25.0	-2.7	20.0
1,3-Dichlorobenzene	Ave	1.814	1.752	0.6000	24.1	25.0	-3.4	20.0
1,4-Dichlorobenzene	Ave	1.850	1.765	0.5000	23.9	25.0	-4.6	20.0
n-Butylbenzene	Ave	2.984	2.725		22.8	25.0	-8.7	20.0
1,2-Dichlorobenzene	Ave	1.775	1.707	0.4000	24.0	25.0	-3.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-282953/3 Calibration Date: 01/11/2016 09:41
 Instrument ID: HP5975T Calib Start Date: 12/31/2015 16:15
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 12/31/2015 19:00
 Lab File ID: T4003.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	0.1355	0.1153	0.0500	21.3	25.0	-14.9	50.0
1,2,4-Trichlorobenzene	Ave	1.329	1.217	0.2000	22.9	25.0	-8.5	20.0
Hexachlorobutadiene	Ave	0.6540	0.5908		22.6	25.0	-9.7	20.0
Naphthalene	Ave	2.965	2.771		23.4	25.0	-6.5	20.0
1,2,3-Trichlorobenzene	Ave	1.229	1.122		22.8	25.0	-8.7	20.0
Dibromofluoromethane (Surr)	Ave	1.186	1.479		31.2	25.0	24.7*	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.326	1.581		29.8	25.0	19.2	20.0
Toluene-d8 (Surr)	Ave	1.124	1.220		27.1	25.0	8.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4236	0.4573		27.0	25.0	8.0	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4003.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 11-Jan-2016 09:41:30 ALS Bottle#: 53 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0049838-003
 Operator ID: gtg Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 17:43:13 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: goliszekg

Date: 11-Jan-2016 10:42:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.996	4.996	0.000	99	103234	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	453423	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.162	9.162	0.000	94	262200	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.509	4.509	0.000	93	152653	25.0	31.2	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.757	0.000	0	163175	25.0	29.8	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	553191	25.0	27.1	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	95	207350	25.0	27.0	
11 Dichlorodifluoromethane	85	1.306	1.306	0.000	98	174152	25.0	22.1	
13 Chloromethane	50	1.431	1.431	0.000	99	173969	25.0	21.8	
151 Butadiene	54	1.545	1.545	0.000	92	171699	25.0	23.4	
14 Vinyl chloride	62	1.545	1.545	0.000	98	179460	25.0	23.2	
15 Bromomethane	94	1.825	1.825	0.000	92	90499	25.0	31.8	
16 Chloroethane	64	1.918	1.918	0.000	99	89614	25.0	30.6	
18 Dichlorofluoromethane	67	2.146	2.146	0.000	98	256767	25.0	28.6	
17 Trichlorofluoromethane	101	2.187	2.187	0.000	99	252409	25.0	29.9	
19 Ethyl ether	59	2.426	2.426	0.000	92	138987	25.0	23.5	
21 Acrolein	56	2.581	2.581	0.000	100	99892	125.0	111.2	
22 1,1-Dichloroethene	96	2.633	2.633	0.000	98	151739	25.0	24.6	
20 1,1,2-Trichloro-1,2,2-trif	101	2.643	2.643	0.000	90	162013	25.0	26.5	
23 Acetone	43	2.726	2.726	0.000	100	186092	125.0	132.2	
24 Iodomethane	142	2.778	2.778	0.000	100	305814	25.0	26.5	
25 Carbon disulfide	76	2.819	2.819	0.000	100	436041	25.0	23.3	
27 3-Chloro-1-propene	41	2.975	2.975	0.000	87	237586	25.0	24.6	
28 Methyl acetate	43	3.006	3.006	0.000	98	515902	125.0	123.1	
30 Methylene Chloride	84	3.099	3.099	0.000	96	162917	25.0	26.3	
31 2-Methyl-2-propanol	59	3.244	3.244	0.000	99	144761	250.0	209.5	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	98	168268	25.0	25.3	
33 Methyl tert-butyl ether	73	3.306	3.306	0.000	99	430772	25.0	24.3	
34 Acrylonitrile	53	3.327	3.327	0.000	99	542732	250.0	231.5	
35 Hexane	57	3.493	3.493	0.000	91	241640	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
36 1,1-Dichloroethane	63	3.669	3.669	0.000	97	299933	25.0	24.4	
39 Vinyl acetate	43	3.700	3.700	0.000	97	607729	50.0	49.8	
42 2,2-Dichloropropane	77	4.115	4.115	0.000	91	251563	25.0	25.5	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	83	190137	25.0	25.9	
44 2-Butanone (MEK)	43	4.156	4.156	0.000	100	289506	125.0	127.4	
47 Chlorobromomethane	128	4.322	4.322	0.000	95	100853	25.0	26.5	
48 Tetrahydrofuran	42	4.363	4.363	0.000	86	77502	50.0	44.9	
50 Chloroform	83	4.384	4.384	0.000	95	286811	25.0	25.4	
51 1,1,1-Trichloroethane	97	4.498	4.498	0.000	99	278651	25.0	26.7	
52 Cyclohexane	56	4.519	4.519	0.000	92	299704	25.0	23.7	
54 1,1-Dichloropropene	75	4.612	4.612	0.000	89	210564	25.0	25.0	
53 Carbon tetrachloride	117	4.623	4.623	0.000	92	252036	25.0	26.8	
56 Isobutyl alcohol	43	4.768	4.768	0.000	90	127730	625.0	518.7	
55 Benzene	78	4.778	4.778	0.000	98	611415	25.0	23.9	
57 1,2-Dichloroethane	62	4.819	4.819	0.000	98	245421	25.0	25.2	
59 n-Heptane	43	4.933	4.933	0.000	92	248211	25.0	26.5	
60 Trichloroethene	95	5.265	5.265	0.000	94	173958	25.0	26.2	
62 Methylcyclohexane	83	5.379	5.379	0.000	93	278226	25.0	25.2	
63 1,2-Dichloropropane	63	5.441	5.441	0.000	93	158570	25.0	22.9	
65 Dibromomethane	93	5.555	5.555	0.000	93	104047	25.0	25.6	
66 1,4-Dioxane	88	5.566	5.566	0.000	98	22750	500.0	306.8	
67 Dichlorobromomethane	83	5.669	5.669	0.000	98	207900	25.0	25.5	
69 2-Chloroethyl vinyl ether	63	5.876	5.876	0.000	94	102356	25.0	23.1	
71 cis-1,3-Dichloropropene	75	5.990	5.990	0.000	92	241118	25.0	24.0	
72 4-Methyl-2-pentanone (MIBK)	43	6.094	6.094	0.000	96	662441	125.0	112.6	
73 Toluene	92	6.218	6.218	0.000	98	403956	25.0	22.7	
75 trans-1,3-Dichloropropene	75	6.415	6.415	0.000	96	218518	25.0	22.0	
77 Ethyl methacrylate	69	6.446	6.446	0.000	89	179332	25.0	22.0	
78 1,1,2-Trichloroethane	83	6.560	6.560	0.000	93	112406	25.0	22.6	
79 Tetrachloroethene	166	6.633	6.633	0.000	97	207277	25.0	25.6	
80 1,3-Dichloropropane	76	6.685	6.685	0.000	93	221719	25.0	21.8	
81 2-Hexanone	43	6.726	6.726	0.000	95	465574	125.0	118.0	
82 Chlorodibromomethane	129	6.871	6.871	0.000	89	177100	25.0	24.7	
83 Ethylene Dibromide	107	6.954	6.954	0.000	99	157786	25.0	24.3	
86 Chlorobenzene	112	7.317	7.317	0.000	96	479974	25.0	23.8	
88 Ethylbenzene	91	7.379	7.379	0.000	98	792517	25.0	23.6	
89 1,1,1,2-Tetrachloroethane	131	7.379	7.379	0.000	46	188797	25.0	24.9	
90 m-Xylene & p-Xylene	106	7.472	7.472	0.000	0	328791	25.0	24.1	
91 o-Xylene	106	7.794	7.794	0.000	96	328056	25.0	24.2	
92 Styrene	104	7.804	7.804	0.000	95	514116	25.0	24.0	
93 Bromoform	173	7.991	7.991	0.000	96	99941	25.0	25.2	
95 Isopropylbenzene	105	8.073	8.073	0.000	95	860699	25.0	23.0	
97 Bromobenzene	156	8.353	8.353	0.000	89	231689	25.0	23.6	
98 1,1,2,2-Tetrachloroethane	83	8.364	8.364	0.000	97	175797	25.0	22.9	
100 1,2,3-Trichloropropane	110	8.395	8.395	0.000	90	63087	25.0	23.6	
101 trans-1,4-Dichloro-2-buten	53	8.395	8.395	0.000	74	53749	25.0	17.7	
99 N-Propylbenzene	91	8.405	8.405	0.000	99	966182	25.0	22.4	
105 2-Chlorotoluene	126	8.498	8.498	0.000	97	214806	25.0	23.6	
104 1,3,5-Trimethylbenzene	105	8.540	8.540	0.000	94	751453	25.0	23.6	
102 4-Chlorotoluene	91	8.581	8.581	0.000	97	609700	25.0	22.7	
106 tert-Butylbenzene	134	8.809	8.809	0.000	92	175702	25.0	24.0	
107 1,2,4-Trimethylbenzene	105	8.851	8.851	0.000	96	771468	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	8.985	8.985	0.000	94	967680	25.0	23.2	
111 4-Isopropyltoluene	119	9.099	9.099	0.000	97	861956	25.0	24.3	
110 1,3-Dichlorobenzene	146	9.110	9.110	0.000	99	459328	25.0	24.1	
113 1,4-Dichlorobenzene	146	9.182	9.182	0.000	96	462768	25.0	23.9	
115 n-Butylbenzene	91	9.441	9.441	0.000	97	714409	25.0	22.8	
116 1,2-Dichlorobenzene	146	9.493	9.493	0.000	98	447491	25.0	24.0	
117 1,2-Dibromo-3-Chloropropan	75	10.156	10.156	0.000	87	30228	25.0	21.3	
119 1,2,4-Trichlorobenzene	180	10.820	10.820	0.000	95	319094	25.0	22.9	
120 Hexachlorobutadiene	225	10.923	10.923	0.000	97	154910	25.0	22.6	
121 Naphthalene	128	11.017	11.017	0.000	97	726648	25.0	23.4	
122 1,2,3-Trichlorobenzene	180	11.213	11.213	0.000	96	294065	25.0	22.8	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00130	Amount Added: 12.50	Units: uL	
T_8260_Surr_00117	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00119	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4003.D

Injection Date: 11-Jan-2016 09:41:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

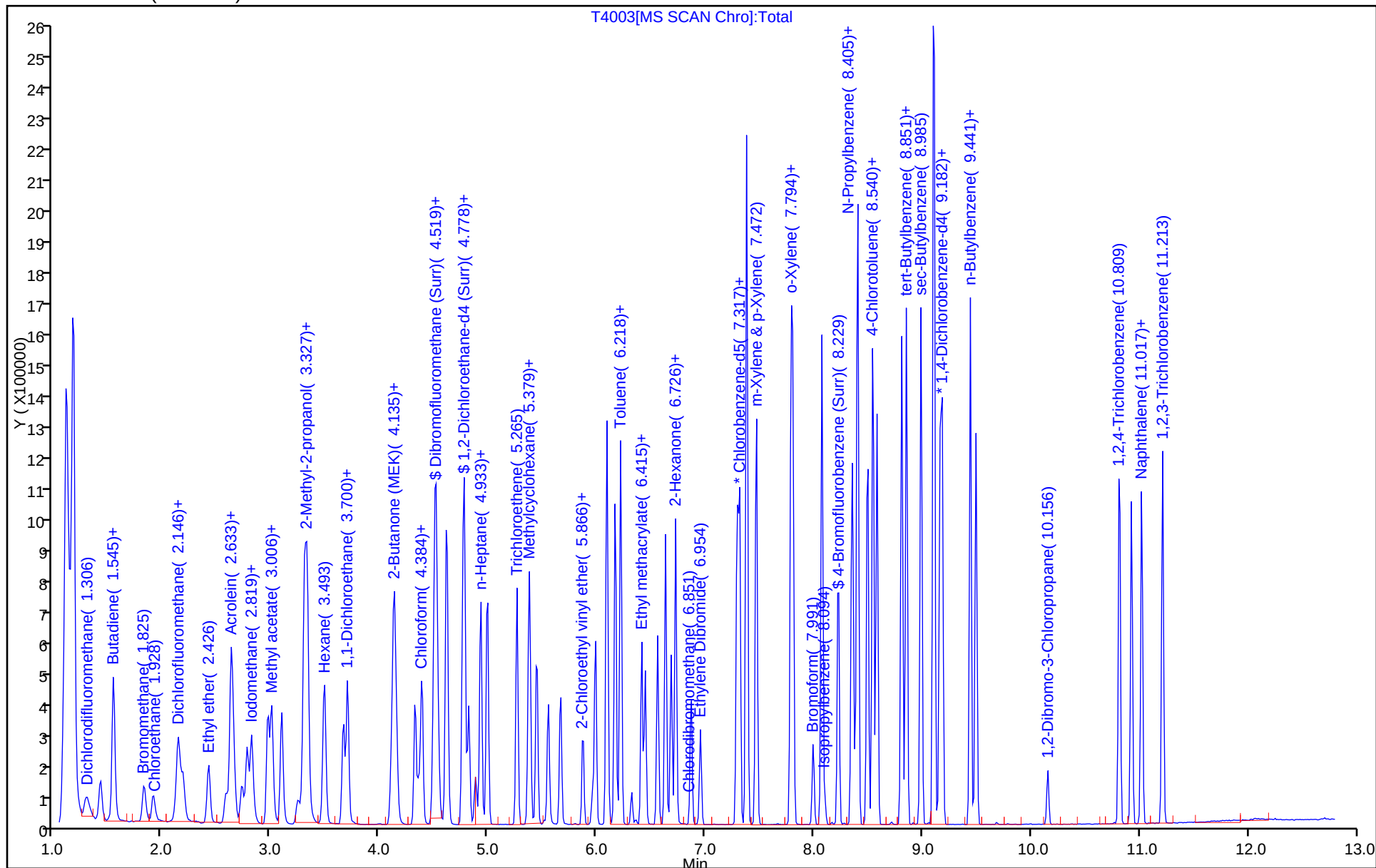
Dil. Factor: 1.0000

ALS Bottle#: 53

Method: T-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.: 480-93630-1

SDG No.: _____

Lab Sample ID: CCVIS 480-283077/3 Calibration Date: 01/11/2016 21:46

Instrument ID: HP5975T Calib Start Date: 12/31/2015 16:15

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 12/31/2015 19:00

Lab File ID: T4030.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	1.912	1.589	0.1000	20.8	25.0	-16.9	50.0
Chloromethane	Ave	1.932	1.573	0.1000	20.4	25.0	-18.6	20.0
Butadiene	Ave	1.779	1.530		21.5	25.0	-14.0	20.0
Vinyl chloride	Ave	1.870	1.619	0.1000	21.6	25.0	-13.4	20.0
Bromomethane	Ave	0.6893	1.022	0.1000	37.1	25.0	48.2	50.0
Chloroethane	Ave	0.7101	0.9090	0.1000	32.0	25.0	28.0	50.0
Dichlorofluoromethane	Ave	2.174	2.476		28.5	25.0	13.9	20.0
Trichlorofluoromethane	Ave	2.044	2.415	0.1000	29.5	25.0	18.2	20.0
Ethyl ether	Ave	1.430	1.388		24.3	25.0	-2.9	20.0
Acrolein	Ave	0.2176	0.2187		126	125	0.5	50.0
1,1-Dichloroethene	Ave	1.495	1.575	0.1000	26.3	25.0	5.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.482	1.648	0.1000	27.8	25.0	11.2	20.0
Acetone	Ave	0.3410	0.4795	0.1000	176	125	40.6	50.0
Iodomethane	Ave	2.790	3.167		28.4	25.0	13.5	20.0
Carbon disulfide	Ave	4.533	4.683	0.1000	25.8	25.0	3.3	20.0
Allyl chloride	Ave	2.336	2.331		24.9	25.0	-0.2	20.0
Methyl acetate	Ave	1.015	1.038	0.1000	128	125	2.3	50.0
Methylene Chloride	Lin1		1.615	0.1000	26.9	25.0	7.5	20.0
2-Methyl-2-propanol	Ave	0.1673	0.1809		270	250	8.1	50.0
Methyl tert-butyl ether	Ave	4.299	4.276	0.1000	24.9	25.0	-0.5	20.0
trans-1,2-Dichloroethene	Ave	1.612	1.717	0.1000	26.6	25.0	6.5	20.0
Acrylonitrile	Ave	0.5679	0.5569		245	250	-1.9	20.0
Hexane	Ave	2.548	2.567		25.2	25.0	0.7	20.0
1,1-Dichloroethane	Ave	2.978	2.944	0.2000	24.7	25.0	-1.1	20.0
Vinyl acetate	Ave	2.956	3.049		51.6	50.0	3.2	20.0
2,2-Dichloropropane	Ave	2.393	2.426		25.3	25.0	1.4	20.0
cis-1,2-Dichloroethene	Ave	1.776	1.887	0.1000	26.6	25.0	6.2	20.0
2-Butanone (MEK)	Ave	0.5502	0.6498	0.1000	148	125	18.1	20.0
Chlorobromomethane	Ave	0.9217	1.004		27.2	25.0	8.9	20.0
Tetrahydrofuran	Ave	0.4177	0.4097		49.0	50.0	-1.9	20.0
Chloroform	Ave	2.739	2.822	0.2000	25.8	25.0	3.0	20.0
1,1,1-Trichloroethane	Ave	2.529	2.693	0.1000	26.6	25.0	6.5	20.0
Cyclohexane	Ave	3.068	2.997	0.1000	24.4	25.0	-2.3	20.0
1,1-Dichloropropene	Ave	2.044	2.097		25.7	25.0	2.6	20.0
Carbon tetrachloride	Ave	2.275	2.458	0.1000	27.0	25.0	8.0	20.0
Isobutyl alcohol	Ave	0.0596	0.0619		649	625	3.9	50.0
Benzene	Ave	6.184	6.048	0.5000	24.5	25.0	-2.2	20.0
1,2-Dichloroethane	Ave	2.360	2.419	0.1000	25.6	25.0	2.5	20.0
n-Heptane	Lin1		2.488		27.4	25.0	9.7	20.0
Trichloroethene	Ave	1.610	1.698	0.2000	26.4	25.0	5.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1

SDG No.: _____

Lab Sample ID: CCVIS 480-283077/3 Calibration Date: 01/11/2016 21:46

Instrument ID: HP5975T Calib Start Date: 12/31/2015 16:15

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 12/31/2015 19:00

Lab File ID: T4030.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	2.675	2.763	0.1000	25.8	25.0	3.3	20.0
1,2-Dichloropropane	Ave	1.675	1.574	0.1000	23.5	25.0	-6.1	20.0
Dibromomethane	Ave	0.9828	1.015	0.1000	25.8	25.0	3.2	20.0
1,4-Dioxane	Ave	0.0041	0.0038		465	500	-6.9	50.0
Bromodichloromethane	Ave	1.972	2.007	0.2000	25.4	25.0	1.8	20.0
2-Chloroethyl vinyl ether	Ave	1.073	0.9884		23.0	25.0	-7.9	20.0
cis-1,3-Dichloropropene	Ave	2.433	2.380	0.2000	24.5	25.0	-2.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3243	0.3107	0.1000	120	125	-4.2	20.0
Toluene	Ave	0.9833	0.9144	0.4000	23.2	25.0	-7.0	20.0
trans-1,3-Dichloropropene	Ave	0.5479	0.4924	0.1000	22.5	25.0	-10.1	20.0
Ethyl methacrylate	Ave	0.4489	0.4034		22.5	25.0	-10.1	20.0
1,1,2-Trichloroethane	Ave	0.2744	0.2570	0.1000	23.4	25.0	-6.4	20.0
Tetrachloroethene	Ave	0.4462	0.4754	0.2000	26.6	25.0	6.6	20.0
1,3-Dichloropropane	Ave	0.5596	0.5038		22.5	25.0	-10.0	20.0
2-Hexanone	Ave	0.2176	0.2190	0.1000	126	125	0.7	20.0
Dibromochloromethane	Ave	0.3946	0.3835	0.1000	24.3	25.0	-2.8	20.0
1,2-Dibromoethane	Ave	0.3575	0.3468		24.3	25.0	-3.0	20.0
Chlorobenzene	Ave	1.110	1.081	0.5000	24.4	25.0	-2.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4179	0.4188		25.1	25.0	0.2	20.0
Ethylbenzene	Ave	1.851	1.810	0.1000	24.4	25.0	-2.2	20.0
m,p-Xylene	Ave	0.7509	0.7447	0.1000	24.8	25.0	-0.8	20.0
o-Xylene	Ave	0.7481	0.7406	0.3000	24.7	25.0	-1.0	20.0
Styrene	Ave	1.182	1.143	0.3000	24.2	25.0	-3.3	20.0
Bromoform	Ave	0.2186	0.2106	0.1000	24.1	25.0	-3.6	50.0
Isopropylbenzene	Ave	3.563	3.418	0.1000	24.0	25.0	-4.1	20.0
Bromobenzene	Ave	0.9347	0.9258		24.8	25.0	-1.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7325	0.6838	0.3000	23.3	25.0	-6.6	20.0
1,2,3-Trichloropropane	Ave	0.2547	0.2545		25.0	25.0	-0.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2901	0.2169		18.7	25.0	-25.2	50.0
N-Propylbenzene	Ave	4.115	3.867		23.5	25.0	-6.0	20.0
2-Chlorotoluene	Ave	0.8662	0.8553		24.7	25.0	-1.3	20.0
1,3,5-Trimethylbenzene	Ave	3.037	2.950		24.3	25.0	-2.8	20.0
4-Chlorotoluene	Ave	2.560	2.373		23.2	25.0	-7.3	20.0
tert-Butylbenzene	Ave	0.6973	0.6926		24.8	25.0	-0.7	20.0
1,2,4-Trimethylbenzene	Ave	3.230	3.051		23.6	25.0	-5.5	20.0
sec-Butylbenzene	Ave	3.979	3.841		24.1	25.0	-3.5	20.0
4-Isopropyltoluene	Ave	3.380	3.344		24.7	25.0	-1.1	20.0
1,3-Dichlorobenzene	Ave	1.814	1.825	0.6000	25.1	25.0	0.6	20.0
1,4-Dichlorobenzene	Ave	1.850	1.848	0.5000	25.0	25.0	-0.0	20.0
n-Butylbenzene	Ave	2.984	2.811		23.6	25.0	-5.8	20.0
1,2-Dichlorobenzene	Ave	1.775	1.729	0.4000	24.4	25.0	-2.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-283077/3 Calibration Date: 01/11/2016 21:46
 Instrument ID: HP5975T Calib Start Date: 12/31/2015 16:15
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 12/31/2015 19:00
 Lab File ID: T4030.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	0.1355	0.1107	0.0500	20.4	25.0	-18.3	50.0
1,2,4-Trichlorobenzene	Ave	1.329	1.265	0.2000	23.8	25.0	-4.8	20.0
Hexachlorobutadiene	Ave	0.6540	0.6259		23.9	25.0	-4.3	20.0
Naphthalene	Ave	2.965	2.843		24.0	25.0	-4.1	20.0
1,2,3-Trichlorobenzene	Ave	1.229	1.189		24.2	25.0	-3.2	20.0
Dibromofluoromethane (Surr)	Ave	1.186	1.408		29.7	25.0	18.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.326	1.530		28.9	25.0	15.4	20.0
Toluene-d8 (Surr)	Ave	1.124	1.172		26.1	25.0	4.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4236	0.4398		26.0	25.0	3.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4030.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 11-Jan-2016 21:46:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0049863-003
 Operator ID: GF Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub48
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-Jan-2016 08:42:35 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK021

First Level Reviewer: fortaing

Date: 11-Jan-2016 22:09:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.985	4.985	0.000	99	101119	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	84	441505	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.161	0.000	94	250790	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.508	4.508	0.000	93	142420	25.0	29.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.757	0.000	0	154712	25.0	28.9	
\$ 6 Toluene-d8 (Surr)	98	6.166	6.166	0.000	93	517284	25.0	26.1	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	97	194173	25.0	26.0	
11 Dichlorodifluoromethane	85	1.296	1.296	0.000	99	160712	25.0	20.8	
13 Chloromethane	50	1.410	1.410	0.000	99	159066	25.0	20.4	
151 Butadiene	54	1.534	1.534	0.000	92	154720	25.0	21.5	
14 Vinyl chloride	62	1.534	1.534	0.000	97	163725	25.0	21.6	
15 Bromomethane	94	1.824	1.824	0.000	92	103316	25.0	37.1	
16 Chloroethane	64	1.907	1.907	0.000	98	91921	25.0	32.0	
18 Dichlorofluoromethane	67	2.135	2.135	0.000	98	250348	25.0	28.5	
17 Trichlorofluoromethane	101	2.177	2.177	0.000	99	244234	25.0	29.5	
19 Ethyl ether	59	2.415	2.415	0.000	92	140335	25.0	24.3	
21 Acrolein	56	2.581	2.581	0.000	99	110581	125.0	125.6	
22 1,1-Dichloroethene	96	2.622	2.622	0.000	97	159228	25.0	26.3	
20 1,1,2-Trichloro-1,2,2-trif	101	2.643	2.643	0.000	92	166693	25.0	27.8	
23 Acetone	43	2.726	2.726	0.000	100	242455	125.0	175.8	
24 Iodomethane	142	2.778	2.778	0.000	99	320273	25.0	28.4	
25 Carbon disulfide	76	2.819	2.819	0.000	100	473515	25.0	25.8	
27 3-Chloro-1-propene	41	2.964	2.964	0.000	87	235700	25.0	24.9	
28 Methyl acetate	43	2.995	2.995	0.000	98	524785	125.0	127.8	
30 Methylene Chloride	84	3.089	3.089	0.000	95	163323	25.0	26.9	
31 2-Methyl-2-propanol	59	3.244	3.244	0.000	99	182957	250.0	270.3	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	98	173582	25.0	26.6	
33 Methyl tert-butyl ether	73	3.296	3.296	0.000	97	432343	25.0	24.9	
34 Acrylonitrile	53	3.327	3.327	0.000	99	563092	250.0	245.2	
35 Hexane	57	3.482	3.482	0.000	90	259588	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
36 1,1-Dichloroethane	63	3.659	3.659	0.000	97	297707	25.0	24.7	
39 Vinyl acetate	43	3.700	3.700	0.000	97	616684	50.0	51.6	
42 2,2-Dichloropropane	77	4.115	4.115	0.000	91	245330	25.0	25.3	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	85	190784	25.0	26.6	
44 2-Butanone (MEK)	43	4.146	4.146	0.000	100	328530	125.0	147.6	
47 Chlorobromomethane	128	4.322	4.322	0.000	91	101495	25.0	27.2	
48 Tetrahydrofuran	42	4.353	4.353	0.000	87	82852	50.0	49.0	
50 Chloroform	83	4.384	4.384	0.000	96	285373	25.0	25.8	
51 1,1,1-Trichloroethane	97	4.498	4.498	0.000	98	272297	25.0	26.6	
52 Cyclohexane	56	4.519	4.519	0.000	94	303024	25.0	24.4	
54 1,1-Dichloropropene	75	4.612	4.612	0.000	88	212073	25.0	25.7	
53 Carbon tetrachloride	117	4.612	4.612	0.000	91	248587	25.0	27.0	
56 Isobutyl alcohol	43	4.767	4.767	0.000	94	156557	625.0	649.1	
55 Benzene	78	4.778	4.778	0.000	98	611551	25.0	24.5	
57 1,2-Dichloroethane	62	4.819	4.819	0.000	98	244583	25.0	25.6	
59 n-Heptane	43	4.933	4.933	0.000	91	251614	25.0	27.4	
60 Trichloroethene	95	5.265	5.265	0.000	94	171677	25.0	26.4	
62 Methylcyclohexane	83	5.379	5.379	0.000	92	279351	25.0	25.8	
63 1,2-Dichloropropane	63	5.441	5.441	0.000	93	159114	25.0	23.5	
65 Dibromomethane	93	5.555	5.555	0.000	91	102585	25.0	25.8	
66 1,4-Dioxane	88	5.565	5.565	0.000	96	33604	500.0	465.4	
67 Dichlorobromomethane	83	5.669	5.669	0.000	98	202983	25.0	25.4	
69 2-Chloroethyl vinyl ether	63	5.866	5.866	0.000	94	99941	25.0	23.0	
71 cis-1,3-Dichloropropene	75	5.990	5.990	0.000	91	240703	25.0	24.5	
72 4-Methyl-2-pentanone (MIBK)	43	6.094	6.094	0.000	96	685777	125.0	119.7	
73 Toluene	92	6.218	6.218	0.000	98	403728	25.0	23.2	
75 trans-1,3-Dichloropropene	75	6.415	6.415	0.000	96	217381	25.0	22.5	
77 Ethyl methacrylate	69	6.446	6.446	0.000	89	178119	25.0	22.5	
78 1,1,2-Trichloroethane	83	6.560	6.560	0.000	91	113444	25.0	23.4	
79 Tetrachloroethene	166	6.633	6.633	0.000	97	209902	25.0	26.6	
80 1,3-Dichloropropane	76	6.685	6.685	0.000	93	222439	25.0	22.5	
81 2-Hexanone	43	6.726	6.726	0.000	94	483449	125.0	125.8	
82 Chlorodibromomethane	129	6.871	6.871	0.000	90	169311	25.0	24.3	
83 Ethylene Dibromide	107	6.954	6.954	0.000	98	153126	25.0	24.3	
86 Chlorobenzene	112	7.317	7.317	0.000	95	477404	25.0	24.4	
89 1,1,1,2-Tetrachloroethane	131	7.379	7.379	0.000	45	184920	25.0	25.1	
88 Ethylbenzene	91	7.379	7.379	0.000	98	799020	25.0	24.4	
90 m-Xylene & p-Xylene	106	7.472	7.472	0.000	0	328800	25.0	24.8	
91 o-Xylene	106	7.793	7.793	0.000	96	326955	25.0	24.7	
92 Styrene	104	7.804	7.804	0.000	95	504484	25.0	24.2	
93 Bromoform	173	7.990	7.990	0.000	95	92990	25.0	24.1	
95 Isopropylbenzene	105	8.073	8.073	0.000	95	857130	25.0	24.0	
97 Bromobenzene	156	8.353	8.353	0.000	89	232182	25.0	24.8	
98 1,1,2,2-Tetrachloroethane	83	8.363	8.363	0.000	97	171496	25.0	23.3	
100 1,2,3-Trichloropropane	110	8.395	8.395	0.000	91	63830	25.0	25.0	
101 trans-1,4-Dichloro-2-buten	53	8.395	8.395	0.000	74	54396	25.0	18.7	
99 N-Propylbenzene	91	8.405	8.405	0.000	98	969820	25.0	23.5	
105 2-Chlorotoluene	126	8.498	8.498	0.000	97	214509	25.0	24.7	
104 1,3,5-Trimethylbenzene	105	8.540	8.540	0.000	94	739945	25.0	24.3	
102 4-Chlorotoluene	91	8.581	8.581	0.000	97	595211	25.0	23.2	
106 tert-Butylbenzene	134	8.809	8.809	0.000	92	173704	25.0	24.8	
107 1,2,4-Trimethylbenzene	105	8.851	8.851	0.000	96	765189	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
109 sec-Butylbenzene	105	8.985	8.985	0.000	94	963308	25.0	24.1	
111 4-Isopropyltoluene	119	9.099	9.099	0.000	96	838573	25.0	24.7	
110 1,3-Dichlorobenzene	146	9.110	9.110	0.000	98	457628	25.0	25.1	
113 1,4-Dichlorobenzene	146	9.182	9.182	0.000	96	463476	25.0	25.0	
115 n-Butylbenzene	91	9.441	9.441	0.000	97	704861	25.0	23.6	
116 1,2-Dichlorobenzene	146	9.493	9.493	0.000	99	433717	25.0	24.4	
117 1,2-Dibromo-3-Chloropropan	75	10.156	10.156	0.000	86	27770	25.0	20.4	
119 1,2,4-Trichlorobenzene	180	10.819	10.819	0.000	95	317338	25.0	23.8	
120 Hexachlorobutadiene	225	10.923	10.923	0.000	96	156958	25.0	23.9	
121 Naphthalene	128	11.016	11.016	0.000	97	712970	25.0	24.0	
122 1,2,3-Trichlorobenzene	180	11.213	11.213	0.000	97	298252	25.0	24.2	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00130	Amount Added: 12.50	Units: uL	
T_8260_Surr_00117	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00119	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4030.D

Injection Date: 11-Jan-2016 21:46:30

Instrument ID: HP5975T

Operator ID: GF

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

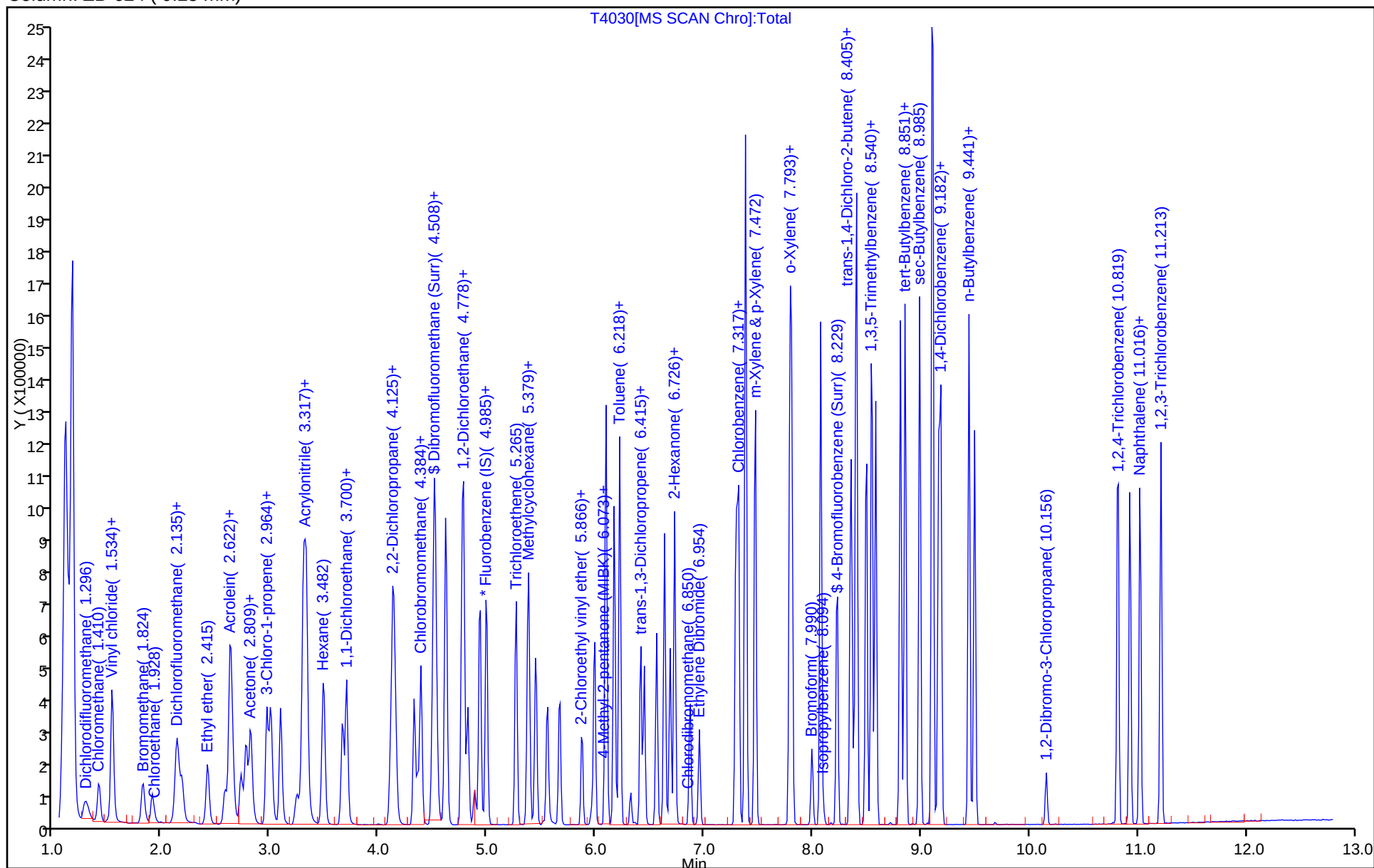
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: T-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.: 480-93630-1
SDG No.: _____
Lab Sample ID: CCV 480-283077/4 Calibration Date: 01/11/2016 22:10
Instrument ID: HP5975T Calib Start Date: 12/31/2015 16:15
GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 12/31/2015 19:00
Lab File ID: T4031.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
Dibromofluoromethane (Surr)	Ave	1.186	1.454		30.7	25.0	22.6*	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.326	1.591		30.0	25.0	20.0	20.0
Toluene-d8 (Surr)	Ave	1.124	1.167		26.0	25.0	3.8	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4236	0.4410		26.0	25.0	4.1	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4031.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 11-Jan-2016 22:10:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCV
 Misc. Info.: 480-0049863-004
 Operator ID: GF Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub87
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-Jan-2016 08:43:16 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK021

First Level Reviewer: fortaing

Date: 11-Jan-2016 22:29:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.996	4.996	0.000	99	96246	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	84	437006	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.162	9.162	0.000	97	237011	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.509	4.509	0.000	93	139947	25.0	30.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.757	0.000	0	153092	25.0	30.0	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	510003	25.0	26.0	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	97	192714	25.0	26.0	
12 Chlorodifluoromethane	51	1.317	1.317	0.000	97	130183	25.0	20.0	
148 Ethanol	45	2.426	2.426	0.000	98	56424	1000.0	887.7	
26 Isopropyl alcohol	45	2.902	2.902	0.000	98	80304	250.0	212.7	
29 Acetonitrile	40	3.006	3.006	0.000	100	79965	250.0	236.6	
37 Isopropyl ether	45	3.690	3.690	0.000	94	473649	25.0	24.3	
38 2-Chloro-1,3-butadiene	53	3.721	3.721	0.000	94	261807	25.0	25.1	
41 Tert-butyl ethyl ether	59	3.980	3.980	0.000	98	514931	25.0	24.9	
45 Ethyl acetate	43	4.177	4.177	0.000	99	222404	50.0	47.1	
46 Propionitrile	54	4.229	4.229	0.000	99	191795	250.0	243.3	
49 Methacrylonitrile	41	4.322	4.322	0.000	92	801936	250.0	245.8	
152 Isooctane	57	4.788	4.788	0.000	96	628033	25.0	26.8	
147 t-Amyl alcohol	59	4.819	4.819	0.000	76	130558	250.0	225.6	
58 Tert-amyl methyl ether	73	4.851	4.851	0.000	97	465069	25.0	23.9	
1 1,4-Difluorobenzene	114	5.068	5.068	0.000	94	524181	25.0	27.7	
61 n-Butanol	56	5.255	5.255	0.000	86	87894	625.0	519.0	
142 Ethyl acrylate	55	5.338	5.338	0.000	99	183093	25.0	9.75	
64 Methyl methacrylate	41	5.514	5.514	0.000	90	232387	50.0	48.3	
68 2-Nitropropane	43	5.845	5.845	0.000	96	56786	50.0	31.2	
74 2-Methylthiophene	97	6.322	6.322	0.000	97	557259	25.0	23.9	
76 3-Methylthiophene	97	6.446	6.446	0.000	99	541474	25.0	23.6	
155 n-Butyl acetate	43	6.809	6.809	0.000	99	189462	25.0	21.3	
146 1-Chlorohexane	55	7.265	7.265	0.000	95	175956	25.0	24.5	
85 3-Chlorobenzotrifluoride	180	7.275	7.275	0.000	93	281286	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
87 4-Chlorobenzotrifluoride	180	7.317	7.317	0.000	97	268809	25.0	25.9	
94 2-Chlorobenzotrifluoride	180	8.001	8.001	0.000	95	272589	25.0	24.8	
96 Cyclohexanone	55	8.198	8.198	0.000	93	44978	250.0	188.0	
103 3-Chlorotoluene	126	8.540	8.540	0.000	97	211683	25.0	25.0	
108 Pentachloroethane	167	8.861	8.861	0.000	86	99498	25.0	32.9	
112 Dicyclopentadiene	66	9.172	9.172	0.000	97	784269	25.0	21.2	
114 1,2,3-Trimethylbenzene	105	9.203	9.203	0.000	98	743917	25.0	24.6	
150 Benzyl chloride	126	9.296	9.296	0.000	98	78453	25.0	25.8	
118 1,3,5-Trichlorobenzene	180	10.291	10.291	0.000	98	326165	25.0	25.0	
149 2-Methylnaphthalene	142	11.877	11.877	0.000	92	412203	25.0	23.4	

Reagents:

2MTP_WRK_00049	Amount Added: 12.50	Units: uL	
3MTP_WRK_00051	Amount Added: 12.50	Units: uL	
ADD CORP mix_00041	Amount Added: 12.50	Units: uL	
T_8260_Surr_00117	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00119	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20160111-49863.b\\T4031.D

Injection Date: 11-Jan-2016 22:10:30

Instrument ID: HP5975T

Operator ID: GF

Lims ID: CCV

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

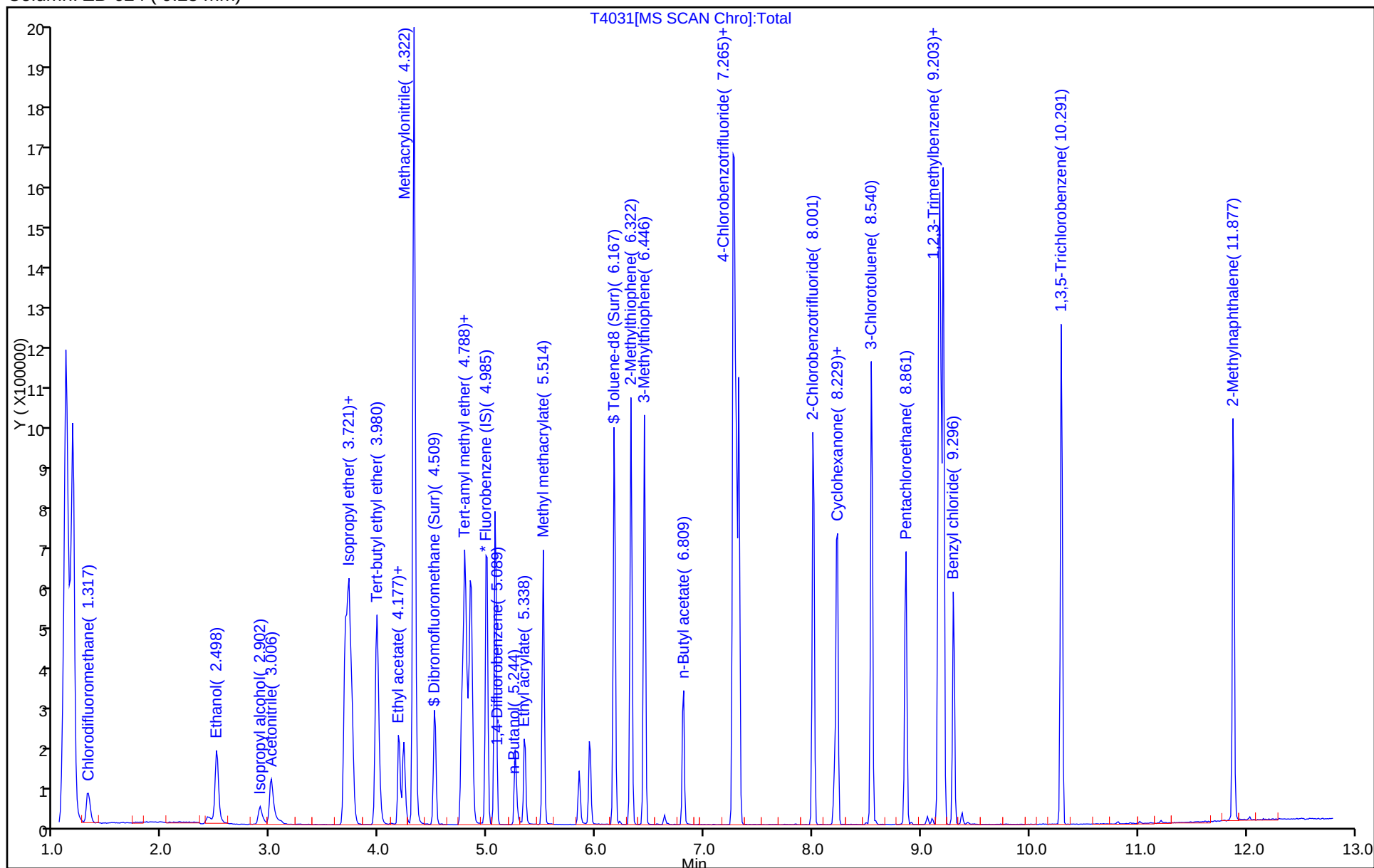
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1

SDG No.: _____

Lab Sample ID: CCV 480-283077/4 Calibration Date: 01/11/2016 22:10

Instrument ID: HP5975T Calib Start Date: 12/31/2015 20:59

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 12/31/2015 23:21

Lab File ID: T4031.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
Chlorodifluoromethane	Ave	1.690	1.353		20.0	25.0	-20.0	20.0
Ethanol	Lin1		0.0147		888	1000	-11.2	20.0
Isopropyl alcohol	Ave	0.0981	0.0834		213	250	-14.9	20.0
Acetonitrile	Lin1		0.0831		237	250	-5.4	20.0
Isopropyl ether	Ave	5.054	4.921		24.3	25.0	-2.6	20.0
Chloroprene	Ave	2.706	2.720		25.1	25.0	0.5	20.0
Tert-butyl ethyl ether	Ave	5.366	5.350		24.9	25.0	-0.3	20.0
Ethyl acetate	Ave	1.225	1.155		47.1	50.0	-5.7	20.0
Propionitrile	Ave	0.2048	0.1993		243	250	-2.7	20.0
Methacrylonitrile	Ave	0.8474	0.8332		246	250	-1.7	20.0
Isooctane	Ave	6.077	6.525		26.8	25.0	7.4	20.0
t-Amyl alcohol	Ave	0.1503	0.1357		226	250	-9.7	20.0
Tert-amyl methyl ether	Ave	5.064	4.832		23.9	25.0	-4.6	20.0
1,4-Difluorobenzene	Ave	4.922	5.446		27.7	25.0	10.6	20.0
n-Butanol	Ave	0.0440	0.0365		519	625	-17.0	20.0
Ethyl acrylate	Ave	4.876	1.902		9.75	25.0	-61.0*	20.0
Methyl methacrylate	Ave	1.251	1.207		48.3	50.0	-3.5	20.0
2-Nitropropane	Ave	0.1920	0.1198		31.2	50.0	-37.6*	20.0
2-Methylthiophene	Ave	2.463	2.351		23.9	25.0	-4.5	20.0
3-Methylthiophene	Ave	2.425	2.285		23.6	25.0	-5.8	20.0
n-Butyl acetate	Ave	0.5077	0.4336	0.1000	21.3	25.0	-14.6	20.0
1-Chlorohexane	Lin1		0.4026		24.5	25.0	-1.9	20.0
3-Chlorobenzotrifluoride	Ave	1.132	1.187		26.2	25.0	4.8	20.0
4-Chlorobenzotrifluoride	Ave	1.097	1.134		25.9	25.0	3.4	20.0
2-Chlorobenzotrifluoride	Ave	1.159	1.150		24.8	25.0	-0.7	20.0
Cyclohexanone	Lin1		0.0190		188	250	-24.8*	20.0
3-Chlorotoluene	Ave	0.8919	0.8931		25.0	25.0	0.1	20.0
Pentachloroethane	Ave	0.3190	0.4198		32.9	25.0	31.6*	20.0
Dicyclopentadiene	Ave	3.904	3.309		21.2	25.0	-15.2	20.0
1,2,3-Trimethylbenzene	Ave	3.195	3.139		24.6	25.0	-1.8	20.0
Benzyl chloride	Ave	0.1742	0.1795		25.8	25.0	3.1	20.0
1,3,5-Trichlorobenzene	Ave	1.377	1.376		25.0	25.0	-0.0	20.0
2-Methylnaphthalene	Ave	1.855	1.739		23.4	25.0	-6.3	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4031.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 11-Jan-2016 22:10:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCV
 Misc. Info.: 480-0049863-004
 Operator ID: GF Instrument ID: HP5975T
 Sublist: chrom-T-8260*sub87
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-Jan-2016 08:43:16 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK021

First Level Reviewer: fortaing

Date: 11-Jan-2016 22:29:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.996	4.996	0.000	99	96246	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	84	437006	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.162	9.162	0.000	97	237011	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.509	4.509	0.000	93	139947	25.0	30.7	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.757	0.000	0	153092	25.0	30.0	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	510003	25.0	26.0	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	97	192714	25.0	26.0	
12 Chlorodifluoromethane	51	1.317	1.317	0.000	97	130183	25.0	20.0	
148 Ethanol	45	2.426	2.426	0.000	98	56424	1000.0	887.7	
26 Isopropyl alcohol	45	2.902	2.902	0.000	98	80304	250.0	212.7	
29 Acetonitrile	40	3.006	3.006	0.000	100	79965	250.0	236.6	
37 Isopropyl ether	45	3.690	3.690	0.000	94	473649	25.0	24.3	
38 2-Chloro-1,3-butadiene	53	3.721	3.721	0.000	94	261807	25.0	25.1	
41 Tert-butyl ethyl ether	59	3.980	3.980	0.000	98	514931	25.0	24.9	
45 Ethyl acetate	43	4.177	4.177	0.000	99	222404	50.0	47.1	
46 Propionitrile	54	4.229	4.229	0.000	99	191795	250.0	243.3	
49 Methacrylonitrile	41	4.322	4.322	0.000	92	801936	250.0	245.8	
152 Isooctane	57	4.788	4.788	0.000	96	628033	25.0	26.8	
147 t-Amyl alcohol	59	4.819	4.819	0.000	76	130558	250.0	225.6	
58 Tert-amyl methyl ether	73	4.851	4.851	0.000	97	465069	25.0	23.9	
1 1,4-Difluorobenzene	114	5.068	5.068	0.000	94	524181	25.0	27.7	
61 n-Butanol	56	5.255	5.255	0.000	86	87894	625.0	519.0	
142 Ethyl acrylate	55	5.338	5.338	0.000	99	183093	25.0	9.75	
64 Methyl methacrylate	41	5.514	5.514	0.000	90	232387	50.0	48.3	
68 2-Nitropropane	43	5.845	5.845	0.000	96	56786	50.0	31.2	
74 2-Methylthiophene	97	6.322	6.322	0.000	97	557259	25.0	23.9	
76 3-Methylthiophene	97	6.446	6.446	0.000	99	541474	25.0	23.6	
155 n-Butyl acetate	43	6.809	6.809	0.000	99	189462	25.0	21.3	
146 1-Chlorohexane	55	7.265	7.265	0.000	95	175956	25.0	24.5	
85 3-Chlorobenzotrifluoride	180	7.275	7.275	0.000	93	281286	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
87 4-Chlorobenzotrifluoride	180	7.317	7.317	0.000	97	268809	25.0	25.9	
94 2-Chlorobenzotrifluoride	180	8.001	8.001	0.000	95	272589	25.0	24.8	
96 Cyclohexanone	55	8.198	8.198	0.000	93	44978	250.0	188.0	
103 3-Chlorotoluene	126	8.540	8.540	0.000	97	211683	25.0	25.0	
108 Pentachloroethane	167	8.861	8.861	0.000	86	99498	25.0	32.9	
112 Dicyclopentadiene	66	9.172	9.172	0.000	97	784269	25.0	21.2	
114 1,2,3-Trimethylbenzene	105	9.203	9.203	0.000	98	743917	25.0	24.6	
150 Benzyl chloride	126	9.296	9.296	0.000	98	78453	25.0	25.8	
118 1,3,5-Trichlorobenzene	180	10.291	10.291	0.000	98	326165	25.0	25.0	
149 2-Methylnaphthalene	142	11.877	11.877	0.000	92	412203	25.0	23.4	

Reagents:

2MTP_WRK_00049	Amount Added: 12.50	Units: uL	
3MTP_WRK_00051	Amount Added: 12.50	Units: uL	
ADD CORP mix_00041	Amount Added: 12.50	Units: uL	
T_8260_Surr_00117	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00119	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4031.D

Injection Date: 11-Jan-2016 22:10:30

Instrument ID: HP5975T

Operator ID: GF

Lims ID: CCV

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

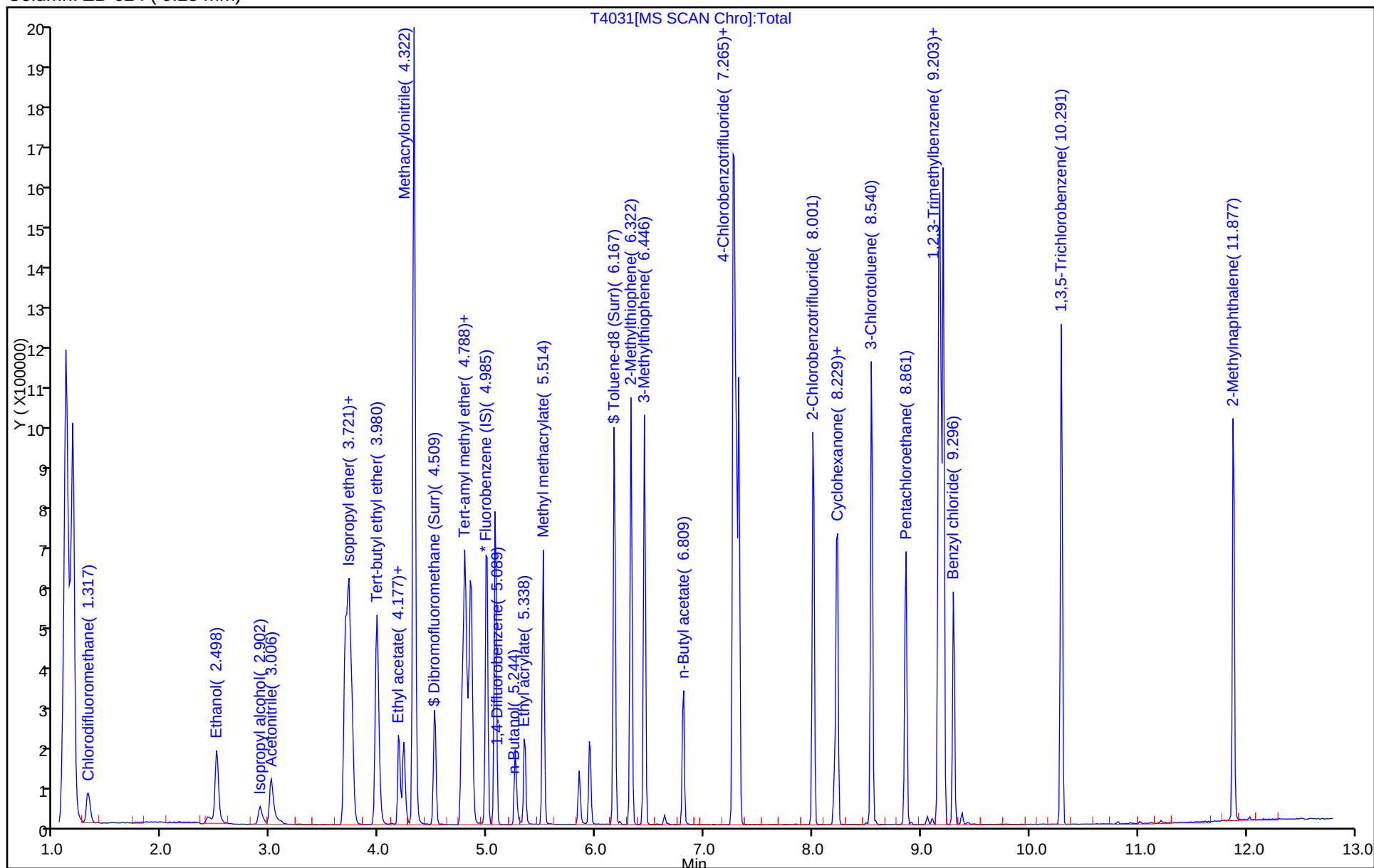
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59579.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 11-Dec-2015 13:23:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0049159-002
Operator ID: gtg Instrument ID: HP5973C
Method: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 14-Dec-2015 11:36:07 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: goliszekg

Date: 11-Dec-2015 16:02:35

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

\$ 61 BFB	95	9.490	9.490	0.000	0	220977	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00050

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59579.D

Injection Date: 11-Dec-2015 13:23:30

Instrument ID: HP5973C

Lims ID: BFB

Client ID:

Operator ID: gtg

ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 uL

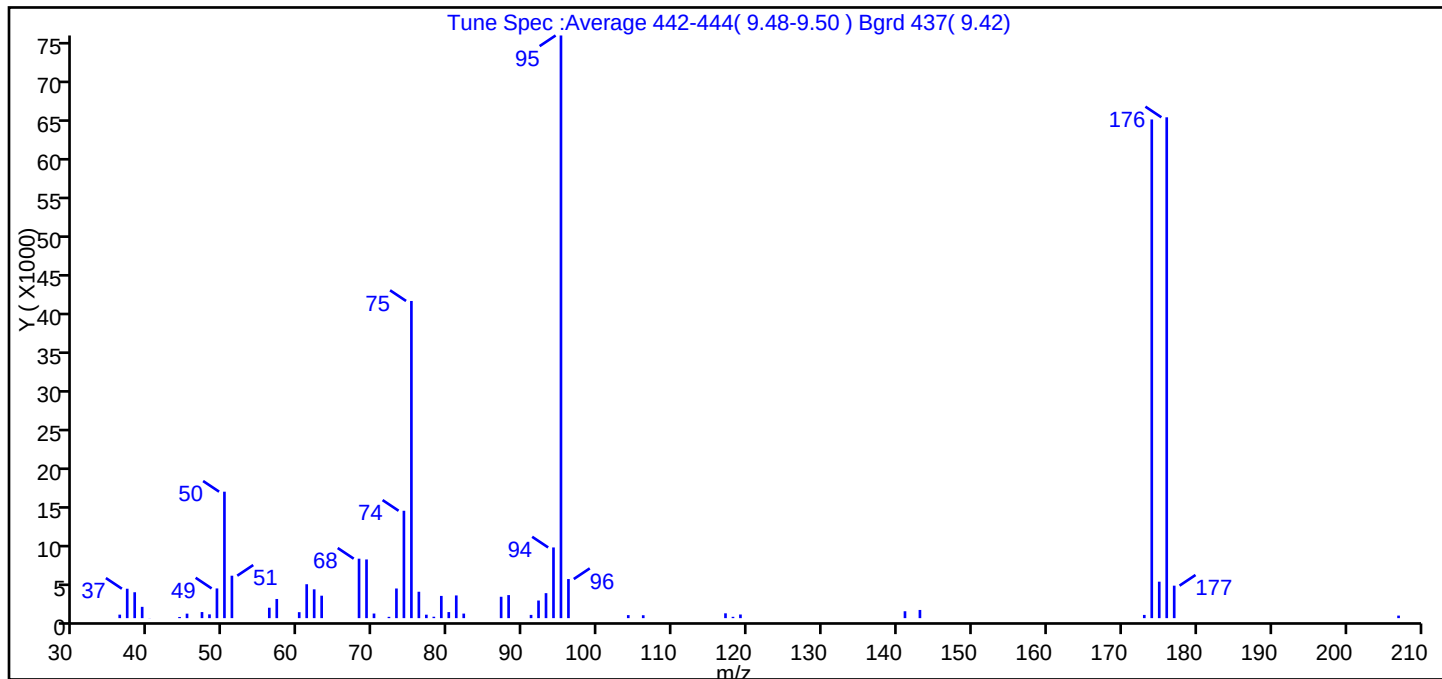
Dil. Factor: 1.0000

Method: C-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.7
75	30 to 60% of m/z 95	54.4
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.6 (0.6)
174	50 to 120% of m/z 95	85.6
175	5 to 9% of m/z 174	6.3 (7.3)
176	Greater than 95% but less than 101% of m/z 174	86.0 (100.4)
177	5 to 9% of m/z 176	5.6 (6.5)

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59579.D\C-8260.rslt\spectra.d
Injection Date: 11-Dec-2015 13:23:30
Spectrum: Tune Spec :Average 442-444(9.48-9.50) Bgrd 437(9.42)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 53

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	457	60.00	779	79.00	2898	117.00	629
37.00	3834	61.00	4420	80.00	791	118.00	173
38.00	3376	62.00	3756	81.00	2960	119.00	475
39.00	1473	63.00	2926	82.00	594	141.00	898
40.00	14	68.00	7749	87.00	2786	143.00	1068
44.00	152	69.00	7650	88.00	3002	173.00	421
45.00	586	70.00	601	91.00	423	174.00	64992
47.00	794	72.00	171	92.00	2296	175.00	4752
48.00	493	73.00	3864	93.00	3256	176.00	65272
49.00	3872	74.00	13995	94.00	9214	177.00	4234
50.00	16480	75.00	41336	95.00	75936	207.00	332
51.00	5531	76.00	3441	96.00	5097		
56.00	1356	77.00	450	104.00	394		
57.00	2498	78.00	184	106.00	380		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60660.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 12-Jan-2016 21:04:30 ALS Bottle#: 46 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0049899-001
Operator ID: SO Instrument ID: HP5973C
Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Jan-2016 08:35:07 Calib Date: 11-Dec-2015 22:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: o'briens

Date: 12-Jan-2016 21:13:00

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

\$ 61 BFB	95	9.466	9.466	0.000	0	150565	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_WRK_00050

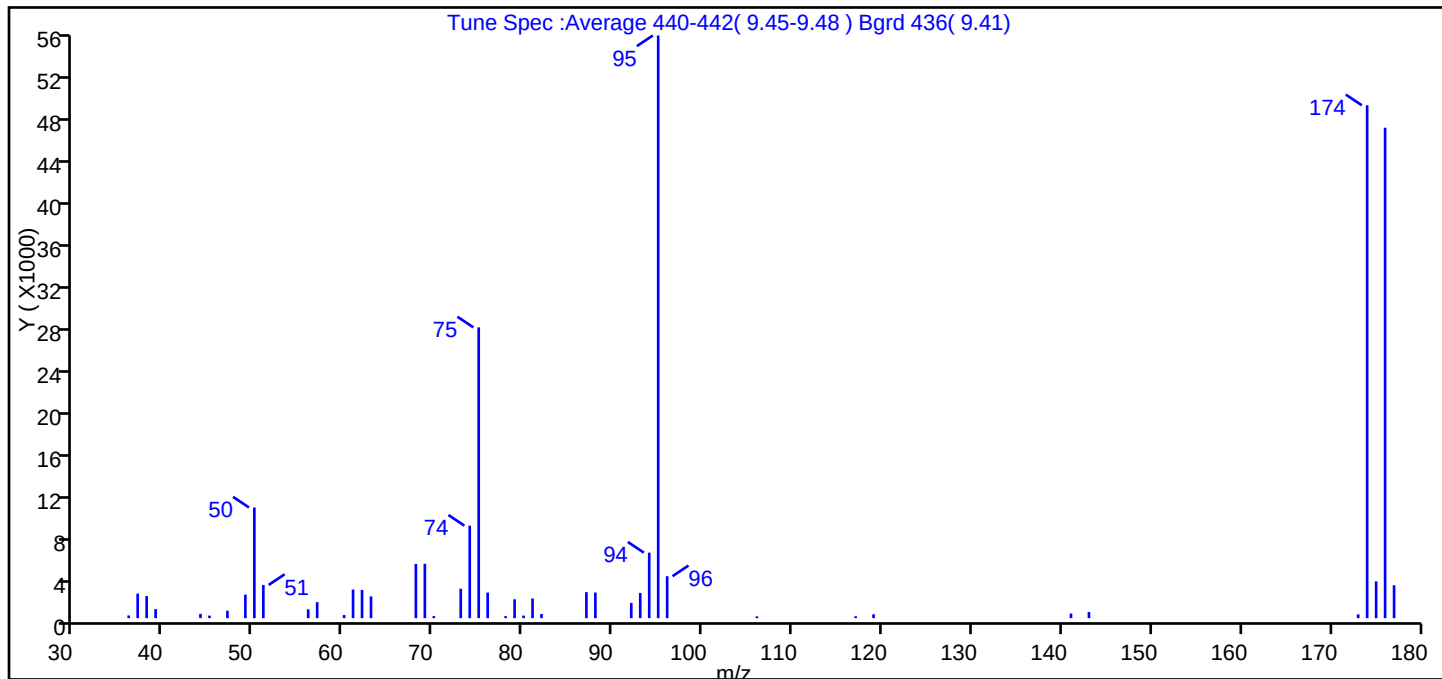
Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60660.D
Injection Date: 12-Jan-2016 21:04:30 Instrument ID: HP5973C
Lims ID: BFB
Client ID:
Operator ID: SO ALS Bottle#: 46 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.0
75	30 to 60% of m/z 95	49.9
96	5 to 9% of m/z 95	7.2
173	Less than 2% of m/z 174	0.6 (0.7)
174	50 to 120% of m/z 95	88.0
175	5 to 9% of m/z 174	6.3 (7.2)
176	Greater than 95% but less than 101% of m/z 174	84.2 (95.6)
177	5 to 9% of m/z 176	5.6 (6.7)

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60660.D\C-8260.rslt\spectra.d
Injection Date: 12-Jan-2016 21:04:30
Spectrum: Tune Spec :Average 440-442(9.45-9.48) Bgrd 436(9.41)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 45

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	255	60.00	293	79.00	1787	117.00	178
37.00	2327	61.00	2714	80.00	242	119.00	366
38.00	2090	62.00	2678	81.00	1863	141.00	442
39.00	854	63.00	2059	82.00	391	143.00	578
44.00	406	68.00	5143	87.00	2465	173.00	359
45.00	240	69.00	5154	88.00	2428	174.00	48624
47.00	703	70.00	194	92.00	1443	175.00	3481
49.00	2231	73.00	2788	93.00	2386	176.00	46496
50.00	10489	74.00	8767	94.00	6208	177.00	3117
51.00	3147	75.00	27568	95.00	55240		
56.00	841	76.00	2425	96.00	3977		
57.00	1516	78.00	189	106.00	170		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3685.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 31-Dec-2015 15:25:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0049677-002
Operator ID: gtg Instrument ID: HP5975T
Method: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Jan-2016 14:35:30 Calib Date: 31-Dec-2015 23:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: HillL

Date: 02-Jan-2016 14:35:30

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

\$ 5 BFB	95	5.779	5.779	0.000	88	241223	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

BFB_WRK_00050

Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3685.D

Injection Date: 31-Dec-2015 15:25:30

Instrument ID: HP5975T

Lims ID: BFB

Client ID:

Operator ID: gtg

ALS Bottle#: 1 Worklist Smp#: 2

Injection Vol: 1.0 uL

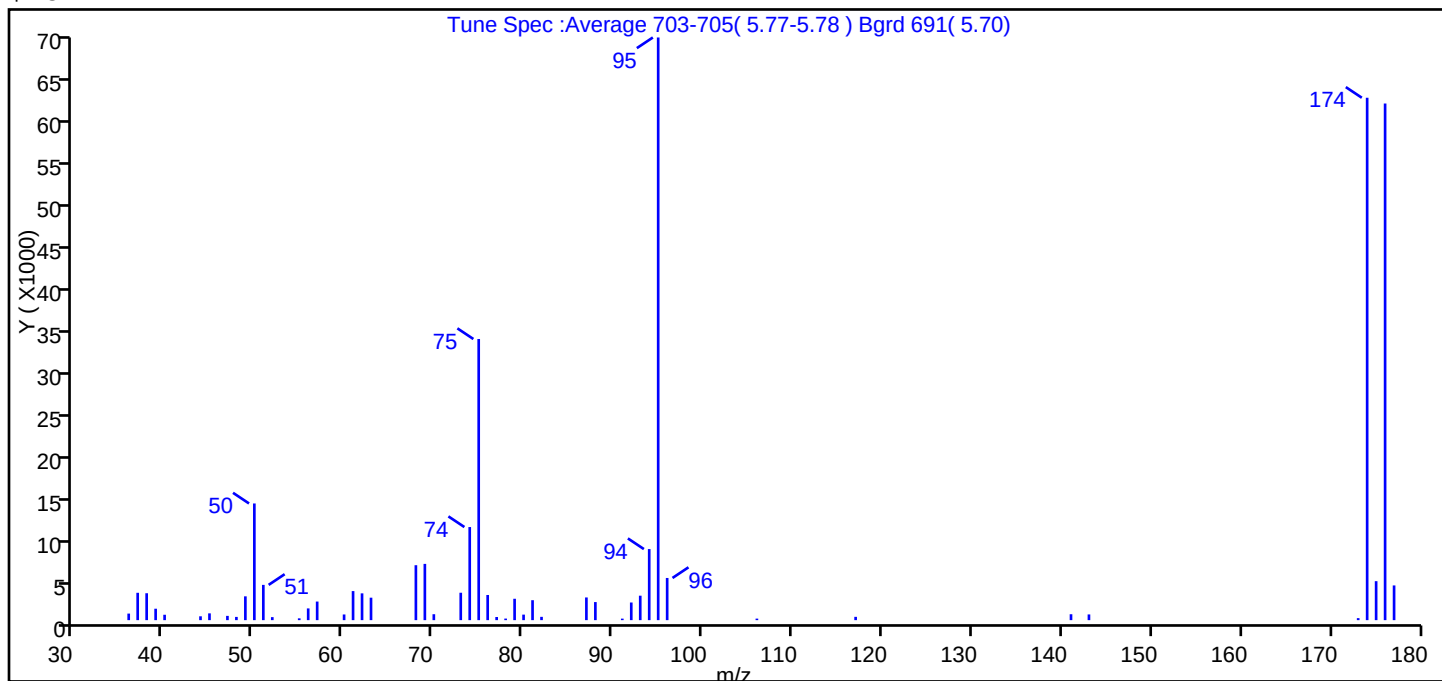
Dil. Factor: 1.0000

Method: T-8260

Limit Group: MV - 8260C ICAL

Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.0
75	30 to 60% of m/z 95	48.2
96	5 to 9% of m/z 95	7.2
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	89.7
175	5 to 9% of m/z 174	6.7 (7.5)
176	Greater than 95% but less than 101% of m/z 174	88.7 (98.9)
177	5 to 9% of m/z 176	6.0 (6.7)

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3685.D\T-8260.rslt\spectra.d
Injection Date: 31-Dec-2015 15:25:30
Spectrum: Tune Spec :Average 703-705(5.77-5.78) Bgrd 691(5.70)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	784	55.00	216	76.00	3008	95.00	69672
37.00	3270	56.00	1403	77.00	375	96.00	5043
38.00	3217	57.00	2223	78.00	188	106.00	182
39.00	1366	60.00	679	79.00	2556	117.00	395
40.00	644	61.00	3474	80.00	661	141.00	707
44.00	461	62.00	3203	81.00	2385	143.00	682
45.00	811	63.00	2686	82.00	394	173.00	240
47.00	510	68.00	6569	87.00	2713	174.00	62464
48.00	387	69.00	6727	88.00	2161	175.00	4660
49.00	2847	70.00	709	91.00	181	176.00	61776
50.00	13951	73.00	3277	92.00	2110	177.00	4150
51.00	4217	74.00	11132	93.00	2924		
52.00	360	75.00	33616	94.00	8497		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4002.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 11-Jan-2016 09:17:30 ALS Bottle#: 52 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0049838-002
Operator ID: gtg Instrument ID: HP5975T
Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Jan-2016 17:31:10 Calib Date: 31-Dec-2015 23:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK050

First Level Reviewer: goliszekg

Date: 11-Jan-2016 09:27:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
\$ 5 BFB	95	5.773	5.773	0.000	90	317782	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

BFB_WRK_00050

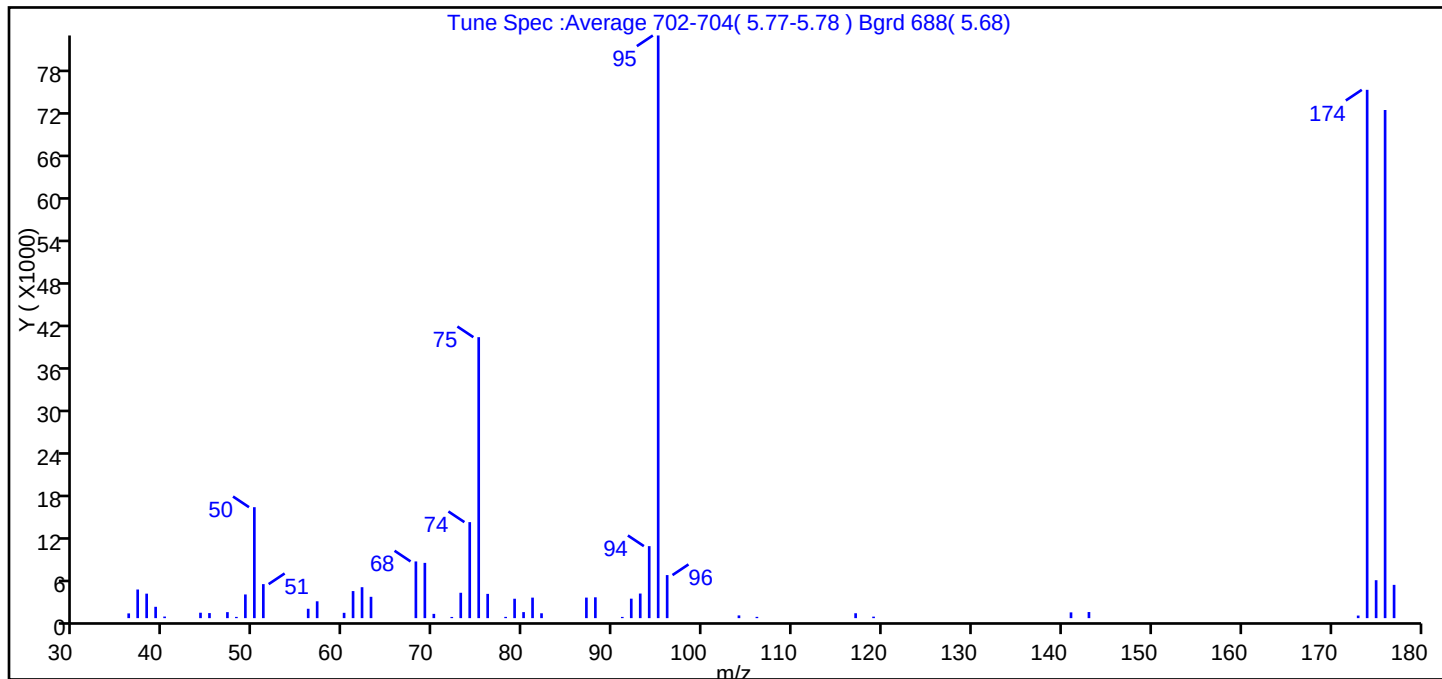
Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4002.D
Injection Date: 11-Jan-2016 09:17:30 Instrument ID: HP5975T
Lims ID: BFB
Client ID:
Operator ID: gtg ALS Bottle#: 52 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.0
75	30 to 60% of m/z 95	48.2
96	5 to 9% of m/z 95	7.4
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	90.7
175	5 to 9% of m/z 174	6.5 (7.2)
176	Greater than 95% but less than 101% of m/z 174	87.2 (96.2)
177	5 to 9% of m/z 176	5.7 (6.6)

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4002.D\T-8260.rslt\spectra.d
Injection Date: 11-Jan-2016 09:17:30
Spectrum: Tune Spec :Average 702-704(5.77-5.78) Bgrd 688(5.68)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	672	57.00	2387	78.00	179	104.00	386
37.00	4055	60.00	754	79.00	2748	106.00	182
38.00	3468	61.00	3833	80.00	855	117.00	695
39.00	1605	62.00	4381	81.00	2906	119.00	212
40.00	224	63.00	3020	82.00	690	141.00	818
44.00	768	68.00	8031	87.00	2910	143.00	866
45.00	716	69.00	7826	88.00	2951	173.00	366
47.00	851	70.00	606	91.00	174	174.00	74808
48.00	177	72.00	169	92.00	2759	175.00	5373
49.00	3355	73.00	3593	93.00	3483	176.00	71952
50.00	15711	74.00	13595	94.00	10196	177.00	4713
51.00	4817	75.00	39784	95.00	82504		
56.00	1330	76.00	3437	96.00	6098		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4029.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 11-Jan-2016 21:20:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0049863-002
Operator ID: GF Instrument ID: HP5975T
Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Jan-2016 08:41:38 Calib Date: 31-Dec-2015 23:21:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK021

First Level Reviewer: goliszekg

Date: 12-Jan-2016 08:41:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
\$ 5 BFB	95	5.754	5.754	0.000	89	181438	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

BFB_WRK_00050

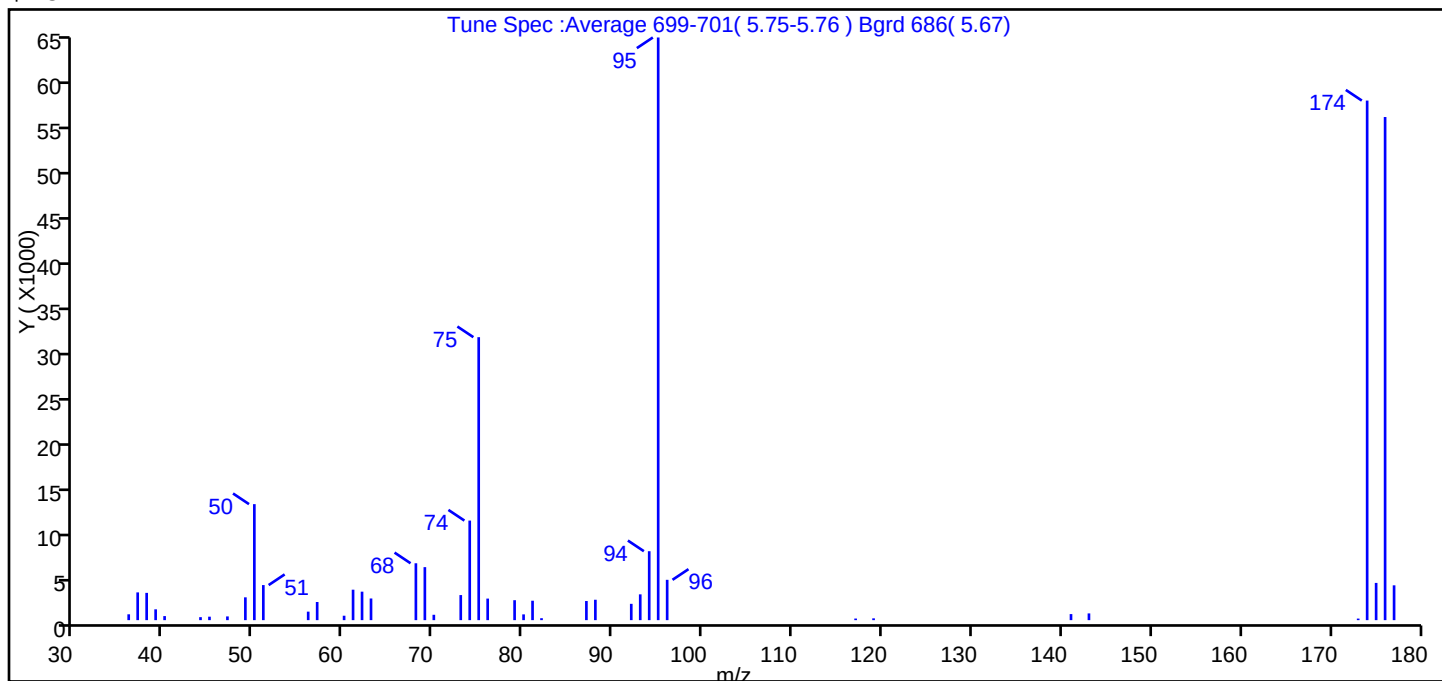
Amount Added: 1.00

Units: uL

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4029.D
Injection Date: 11-Jan-2016 21:20:30 Instrument ID: HP5975T
Lims ID: BFB
Client ID:
Operator ID: GF ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: T-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.9
75	30 to 60% of m/z 95	48.6
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.3 (0.3)
174	50 to 120% of m/z 95	89.2
175	5 to 9% of m/z 174	6.4 (7.2)
176	Greater than 95% but less than 101% of m/z 174	86.3 (96.8)
177	5 to 9% of m/z 176	6.0 (6.9)

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4029.D\T-8260.rslt\spectra.d
Injection Date: 11-Jan-2016 21:20:30
Spectrum: Tune Spec :Average 699-701(5.75-5.76) Bgrd 686(5.67)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 44

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	642	56.00	934	75.00	31104	95.00	64048
37.00	3050	57.00	1994	76.00	2369	96.00	4432
38.00	2998	60.00	486	79.00	2192	117.00	176
39.00	1190	61.00	3348	80.00	635	119.00	198
40.00	446	62.00	3130	81.00	2135	141.00	666
44.00	329	63.00	2381	82.00	214	143.00	740
45.00	381	68.00	6252	87.00	2102	173.00	171
47.00	410	69.00	5826	88.00	2242	174.00	57112
49.00	2507	70.00	590	92.00	1793	175.00	4092
50.00	12751	73.00	2756	93.00	2835	176.00	55304
51.00	3855	74.00	10944	94.00	7577	177.00	3827

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-282953/7

Matrix: Water Lab File ID: T4007.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 11:16

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 282953 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.: 480-93630-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-282953/7
 Matrix: Water Lab File ID: T4007.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 11:16
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 282953 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)	119		66-137
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	106		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4007.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 11-Jan-2016 11:16:30 ALS Bottle#: 57 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0049838-007
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 17:52:51 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: goliszekg

Date: 11-Jan-2016 13:05:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.985	4.985	0.000	99	97284	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	430742	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.162	9.162	0.000	95	232517	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.509	4.509	0.000	93	141125	25.0	30.6	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.757	0.000	0	153512	25.0	29.8	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	515413	25.0	26.6	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	96	186441	25.0	25.5	
11 Dichlorodifluoromethane	85		1.306					ND	
13 Chloromethane	50		1.420					ND	
151 Butadiene	54		1.545					ND	
14 Vinyl chloride	62		1.545					ND	
15 Bromomethane	94		1.824					ND	
16 Chloroethane	64		1.907					ND	
18 Dichlorofluoromethane	67		2.146					ND	
17 Trichlorofluoromethane	101		2.187					ND	
19 Ethyl ether	59		2.426					ND	
148 Ethanol	45		2.426					ND	
84 Propene oxide	58		2.498					ND	
21 Acrolein	56		2.581					ND	
22 1,1-Dichloroethene	96		2.633					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643					ND	
23 Acetone	43		2.726					ND	
24 Iodomethane	142		2.778					ND	
26 Isopropyl alcohol	45		2.902					ND	
27 3-Chloro-1-propene	41		2.964					ND	
28 Methyl acetate	43		3.006					ND	
29 Acetonitrile	40		3.006					ND	
30 Methylene Chloride	84		3.099					ND	
31 2-Methyl-2-propanol	59		3.244					ND	
33 Methyl tert-butyl ether	73		3.306					ND	
32 trans-1,2-Dichloroethene	96		3.306					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Acrylonitrile	53		3.327					ND	
35 Hexane	57		3.493					ND	
36 1,1-Dichloroethane	63		3.669					ND	
37 Isopropyl ether	45		3.690					ND	
139 Halothane	117		3.690					ND	
39 Vinyl acetate	43		3.700					ND	
38 2-Chloro-1,3-butadiene	53		3.721					ND	
40 1,1-Dimethoxyethane	75		3.752					ND	
41 Tert-butyl ethyl ether	59		3.980					ND	
42 2,2-Dichloropropane	77		4.115					ND	
43 cis-1,2-Dichloroethene	96		4.135					ND	
44 2-Butanone (MEK)	43		4.156					ND	
45 Ethyl acetate	43		4.177					ND	
46 Propionitrile	54		4.229					ND	
47 Chlorobromomethane	128		4.322					ND	
49 Methacrylonitrile	41		4.322					ND	
48 Tetrahydrofuran	42		4.353					ND	
50 Chloroform	83		4.384					ND	
51 1,1,1-Trichloroethane	97		4.498					ND	
52 Cyclohexane	56		4.519					ND	
54 1,1-Dichloropropene	75		4.612					ND	
53 Carbon tetrachloride	117		4.612					ND	
56 Isobutyl alcohol	43		4.768					ND	
55 Benzene	78		4.778					ND	
152 Isooctane	57		4.788					ND	
57 1,2-Dichloroethane	62		4.819					ND	
147 t-Amyl alcohol	59		4.819					ND	
58 Tert-amyl methyl ether	73		4.851					ND	
59 n-Heptane	43		4.933					ND	
1 1,4-Difluorobenzene	114		5.068					ND	
141 2,4,4-Trimethyl-1-pentene	55		5.182					ND	
61 n-Butanol	56		5.255					ND	
60 Trichloroethene	95		5.265					ND	
142 Ethyl acrylate	55		5.338					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.369					ND	
62 Methylcyclohexane	83		5.379					ND	
63 1,2-Dichloropropane	63		5.441					ND	
64 Methyl methacrylate	41		5.514					ND	
65 Dibromomethane	93		5.555					ND	
66 1,4-Dioxane	88		5.566					ND	
67 Dichlorobromomethane	83		5.669					ND	
68 2-Nitropropane	43		5.845					ND	
69 2-Chloroethyl vinyl ether	63		5.876					ND	
70 Epichlorohydrin	57		5.938					ND	
71 cis-1,3-Dichloropropene	75		5.990					ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094					ND	
73 Toluene	92		6.218					ND	
74 2-Methylthiophene	97		6.322					ND	
75 trans-1,3-Dichloropropene	75		6.415					ND	
77 Ethyl methacrylate	69		6.446					ND	
76 3-Methylthiophene	97		6.446					ND	
78 1,1,2-Trichloroethane	83		6.560					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
79 Tetrachloroethene	166		6.633					ND	
80 1,3-Dichloropropane	76		6.685					ND	
81 2-Hexanone	43		6.726					ND	
155 n-Butyl acetate	43		6.809					ND	
82 Chlorodibromomethane	129		6.871					ND	
83 Ethylene Dibromide	107		6.954					ND	
146 1-Chlorohexane	55		7.265					ND	
85 3-Chlorobenzotrifluoride	180		7.275					ND	
86 Chlorobenzene	112		7.317					ND	
87 4-Chlorobenzotrifluoride	180		7.317					ND	
88 Ethylbenzene	91		7.379					ND	
89 1,1,1,2-Tetrachloroethane	131		7.379					ND	
90 m-Xylene & p-Xylene	106		7.472					ND	
91 o-Xylene	106		7.794					ND	
92 Styrene	104		7.804					ND	
93 Bromoform	173		7.990					ND	
94 2-Chlorobenzotrifluoride	180		8.001					ND	
95 Isopropylbenzene	105		8.073					ND	
96 Cyclohexanone	55		8.198					ND	
97 Bromobenzene	156		8.353					ND	
98 1,1,2,2-Tetrachloroethane	83		8.364					ND	
101 trans-1,4-Dichloro-2-buten	53		8.395					ND	
100 1,2,3-Trichloropropane	110		8.395					ND	
99 N-Propylbenzene	91		8.405					ND	
105 2-Chlorotoluene	126		8.498					ND	
104 1,3,5-Trimethylbenzene	105		8.540					ND	
103 3-Chlorotoluene	126		8.540					ND	
102 4-Chlorotoluene	91		8.581					ND	
106 tert-Butylbenzene	134		8.809					ND	
107 1,2,4-Trimethylbenzene	105		8.851					ND	
108 Pentachloroethane	167		8.861					ND	
109 sec-Butylbenzene	105		8.985					ND	
111 4-Isopropyltoluene	119		9.099					ND	
110 1,3-Dichlorobenzene	146		9.110					ND	
112 Dicyclopentadiene	66		9.172					ND	
113 1,4-Dichlorobenzene	146		9.182					ND	
114 1,2,3-Trimethylbenzene	105		9.203					ND	
150 Benzyl chloride	126		9.296					ND	
115 n-Butylbenzene	91		9.441					ND	
116 1,2-Dichlorobenzene	146		9.493					ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156					ND	
118 1,3,5-Trichlorobenzene	180		10.291					ND	
119 1,2,4-Trichlorobenzene	180		10.820					ND	
120 Hexachlorobutadiene	225		10.923					ND	
121 Naphthalene	128		11.017					ND	
122 1,2,3-Trichlorobenzene	180		11.213					ND	
149 2-Methylnaphthalene	142	11.877	11.877	0.000	1	630		0.0365	7
143 Propene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
136 Nitrobenzene	77		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
135 Hexachloroethane	117		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47		1.500					ND	
T 131 tert-amyl alcohol TIC	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 132 bis(chloromethyl)ether TIC	1		0.000					ND	
T 134 1-Bromopropane	1		0.000					ND	
T 133 Pentachloroethane TIC	1		0.000					ND	
T 129 Aziridine TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 127 Ethanol TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 10 Ethylene oxide	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4007.D

Injection Date: 11-Jan-2016 11:16:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

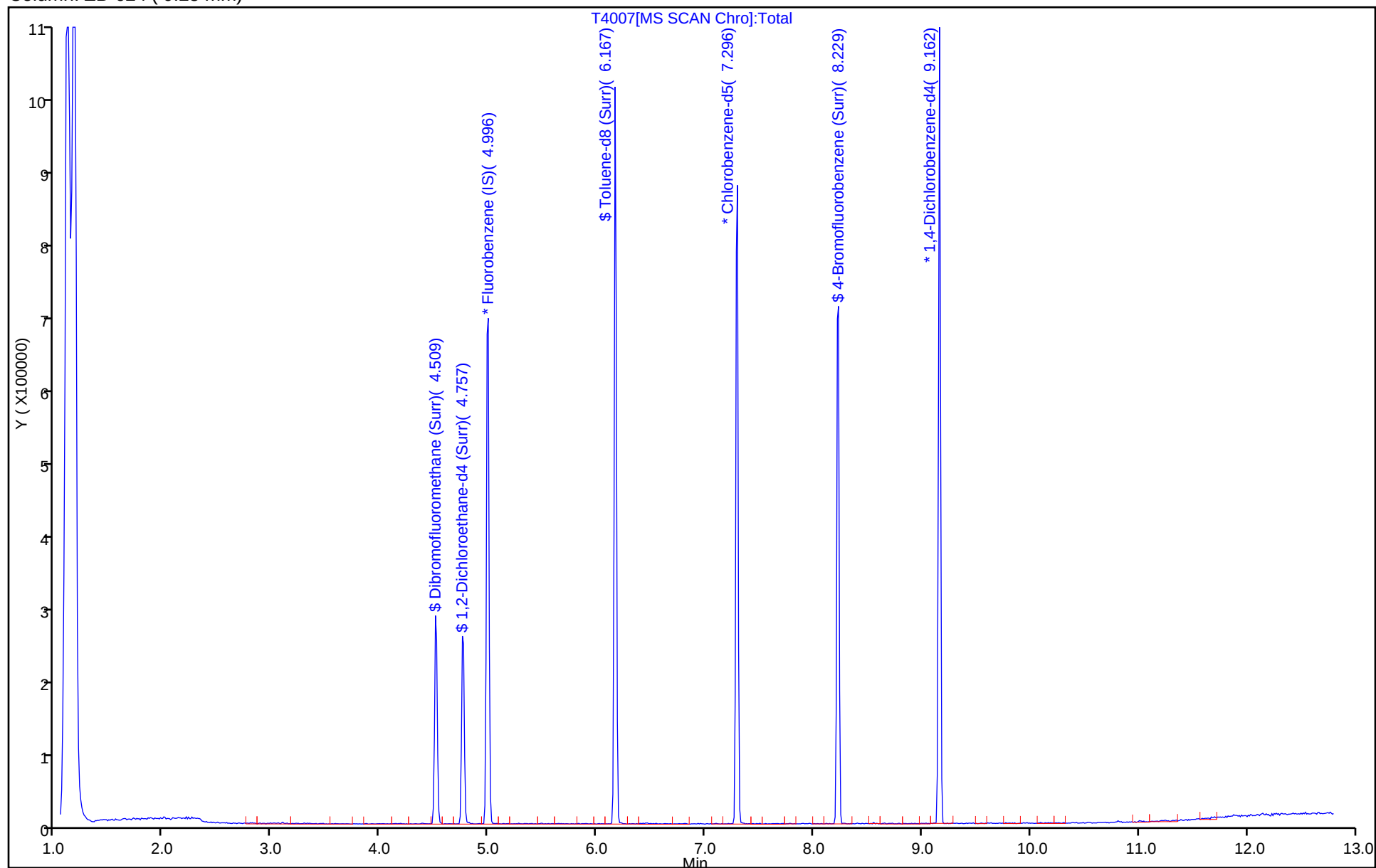
Dil. Factor: 1.0000

ALS Bottle#: 57

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-283077/7

Matrix: Water Lab File ID: T4034.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 23:23

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 283077 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.: 480-93630-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-283077/7
 Matrix: Water Lab File ID: T4034.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 23:23
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 283077 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)	117		66-137
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
2037-26-5	Toluene-d8 (Surr)	105		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4034.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 11-Jan-2016 23:23:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0049863-007
 Operator ID: GF Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-Jan-2016 08:45:39 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK021

First Level Reviewer: fortaing

Date: 11-Jan-2016 23:56:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.985	4.996	-0.011	99	95644	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	417646	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.162	9.161	0.001	95	231565	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.509	4.508	0.001	93	135945	25.0	30.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.768	-0.011	0	148623	25.0	29.3	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	492165	25.0	26.2	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	97	182260	25.0	25.8	
11 Dichlorodifluoromethane	85		1.306					ND	
13 Chloromethane	50		1.420					ND	
151 Butadiene	54		1.545					ND	
14 Vinyl chloride	62		1.545					ND	
15 Bromomethane	94		1.824					ND	
16 Chloroethane	64		1.918					ND	
18 Dichlorofluoromethane	67		2.146					ND	
17 Trichlorofluoromethane	101		2.187					ND	
19 Ethyl ether	59		2.426					ND	
148 Ethanol	45		2.426					ND	
84 Propene oxide	58		2.498					ND	
21 Acrolein	56		2.581					ND	
22 1,1-Dichloroethene	96		2.633					ND	
20 1,1,2-Trichloro-1,2,2-trif	101		2.643					ND	
23 Acetone	43		2.736					ND	
24 Iodomethane	142		2.778					ND	
25 Carbon disulfide	76		2.819					ND	
26 Isopropyl alcohol	45		2.902					ND	
27 3-Chloro-1-propene	41		2.975					ND	
28 Methyl acetate	43		3.006					ND	
29 Acetonitrile	40		3.006					ND	
30 Methylene Chloride	84		3.099					ND	
31 2-Methyl-2-propanol	59		3.244					ND	
33 Methyl tert-butyl ether	73		3.306					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 trans-1,2-Dichloroethene	96		3.306					ND	
34 Acrylonitrile	53		3.327					ND	
35 Hexane	57		3.493					ND	
36 1,1-Dichloroethane	63		3.669					ND	
37 Isopropyl ether	45		3.690					ND	
139 Halothane	117		3.690					ND	
39 Vinyl acetate	43		3.700					ND	
38 2-Chloro-1,3-butadiene	53		3.721					ND	
40 1,1-Dimethoxyethane	75		3.752					ND	
41 Tert-butyl ethyl ether	59		3.980					ND	
42 2,2-Dichloropropane	77		4.115					ND	
43 cis-1,2-Dichloroethene	96		4.135					ND	
44 2-Butanone (MEK)	43		4.156					ND	
45 Ethyl acetate	43		4.177					ND	
46 Propionitrile	54		4.229					ND	
47 Chlorobromomethane	128		4.332					ND	
49 Methacrylonitrile	41		4.322					ND	
48 Tetrahydrofuran	42		4.353					ND	
50 Chloroform	83		4.384					ND	
51 1,1,1-Trichloroethane	97		4.498					ND	
52 Cyclohexane	56		4.519					ND	
54 1,1-Dichloropropene	75		4.612					ND	
53 Carbon tetrachloride	117		4.622					ND	
56 Isobutyl alcohol	43		4.768					ND	
55 Benzene	78		4.778					ND	
152 Isooctane	57		4.788					ND	
57 1,2-Dichloroethane	62		4.819					ND	
147 t-Amyl alcohol	59		4.819					ND	
58 Tert-amyl methyl ether	73		4.850					ND	
59 n-Heptane	43		4.933					ND	
1 1,4-Difluorobenzene	114		5.068					ND	
141 2,4,4-Trimethyl-1-pentene	55		5.182					ND	
61 n-Butanol	56		5.255					ND	
60 Trichloroethene	95		5.265					ND	
142 Ethyl acrylate	55		5.348					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.369					ND	
62 Methylcyclohexane	83		5.379					ND	
63 1,2-Dichloropropane	63		5.441					ND	
64 Methyl methacrylate	41		5.514					ND	
65 Dibromomethane	93		5.555					ND	
66 1,4-Dioxane	88		5.566					ND	
67 Dichlorobromomethane	83		5.669					ND	
68 2-Nitropropane	43		5.866					ND	
69 2-Chloroethyl vinyl ether	63		5.876					ND	
70 Epichlorohydrin	57		5.938					ND	
71 cis-1,3-Dichloropropene	75		5.990					ND	
72 4-Methyl-2-pentanone (MIBK)	43		6.094					ND	
73 Toluene	92		6.218					ND	
74 2-Methylthiophene	97		6.322					ND	
75 trans-1,3-Dichloropropene	75		6.415					ND	
77 Ethyl methacrylate	69		6.446					ND	
76 3-Methylthiophene	97		6.446					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
78 1,1,2-Trichloroethane	83		6.560					ND	
79 Tetrachloroethene	166		6.633					ND	
80 1,3-Dichloropropane	76		6.685					ND	
81 2-Hexanone	43		6.726					ND	
155 n-Butyl acetate	43		6.809					ND	
82 Chlorodibromomethane	129		6.871					ND	
83 Ethylene Dibromide	107		6.954					ND	
146 1-Chlorohexane	55		7.265					ND	
85 3-Chlorobenzotrifluoride	180		7.275					ND	
86 Chlorobenzene	112		7.317					ND	
87 4-Chlorobenzotrifluoride	180		7.317					ND	
88 Ethylbenzene	91		7.379					ND	
89 1,1,1,2-Tetrachloroethane	131		7.379					ND	
90 m-Xylene & p-Xylene	106		7.472					ND	
91 o-Xylene	106		7.794					ND	
92 Styrene	104		7.804					ND	
93 Bromoform	173		7.990					ND	
94 2-Chlorobenzotrifluoride	180		8.001					ND	
95 Isopropylbenzene	105		8.073					ND	
96 Cyclohexanone	55		8.198					ND	
97 Bromobenzene	156		8.353					ND	
98 1,1,2,2-Tetrachloroethane	83		8.364					ND	
101 trans-1,4-Dichloro-2-buten	53		8.395					ND	
100 1,2,3-Trichloropropane	110		8.395					ND	
99 N-Propylbenzene	91		8.405					ND	
105 2-Chlorotoluene	126		8.498					ND	
104 1,3,5-Trimethylbenzene	105		8.540					ND	
103 3-Chlorotoluene	126		8.540					ND	
102 4-Chlorotoluene	91		8.581					ND	
106 tert-Butylbenzene	134		8.809					ND	
107 1,2,4-Trimethylbenzene	105		8.851					ND	
108 Pentachloroethane	167		8.861					ND	
109 sec-Butylbenzene	105		8.985					ND	
111 4-Isopropyltoluene	119		9.099					ND	
110 1,3-Dichlorobenzene	146		9.110					ND	
112 Dicyclopentadiene	66		9.172					ND	
113 1,4-Dichlorobenzene	146		9.182					ND	
114 1,2,3-Trimethylbenzene	105		9.203					ND	
150 Benzyl chloride	126		9.296					ND	
115 n-Butylbenzene	91		9.441					ND	
116 1,2-Dichlorobenzene	146		9.493					ND	
117 1,2-Dibromo-3-Chloropropan	75		10.156					ND	
118 1,3,5-Trichlorobenzene	180		10.291					ND	
119 1,2,4-Trichlorobenzene	180		10.820					ND	
120 Hexachlorobutadiene	225		10.923					ND	
121 Naphthalene	128		11.016					ND	
122 1,2,3-Trichlorobenzene	180		11.213					ND	
149 2-Methylnaphthalene	142	11.887	11.877	0.010	2	903		0.0525	7
143 Propene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
136 Nitrobenzene	77		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	
S 124 1,2-Dichloroethene, Total	1		30.000					ND	
S 125 Total BTEX	1		30.000					ND	
S 126 Xylenes, Total	1		30.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47		1.500					ND	
T 131 tert-amyl alcohol TIC	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 132 bis(chloromethyl)ether TIC	1		0.000					ND	
T 134 1-Bromopropane	1		0.000					ND	
T 133 Pentachloroethane TIC	1		0.000					ND	
T 129 Aziridine TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 127 Ethanol TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 10 Ethylene oxide	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4034.D

Injection Date: 11-Jan-2016 23:23:30

Instrument ID: HP5975T

Operator ID: GF

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

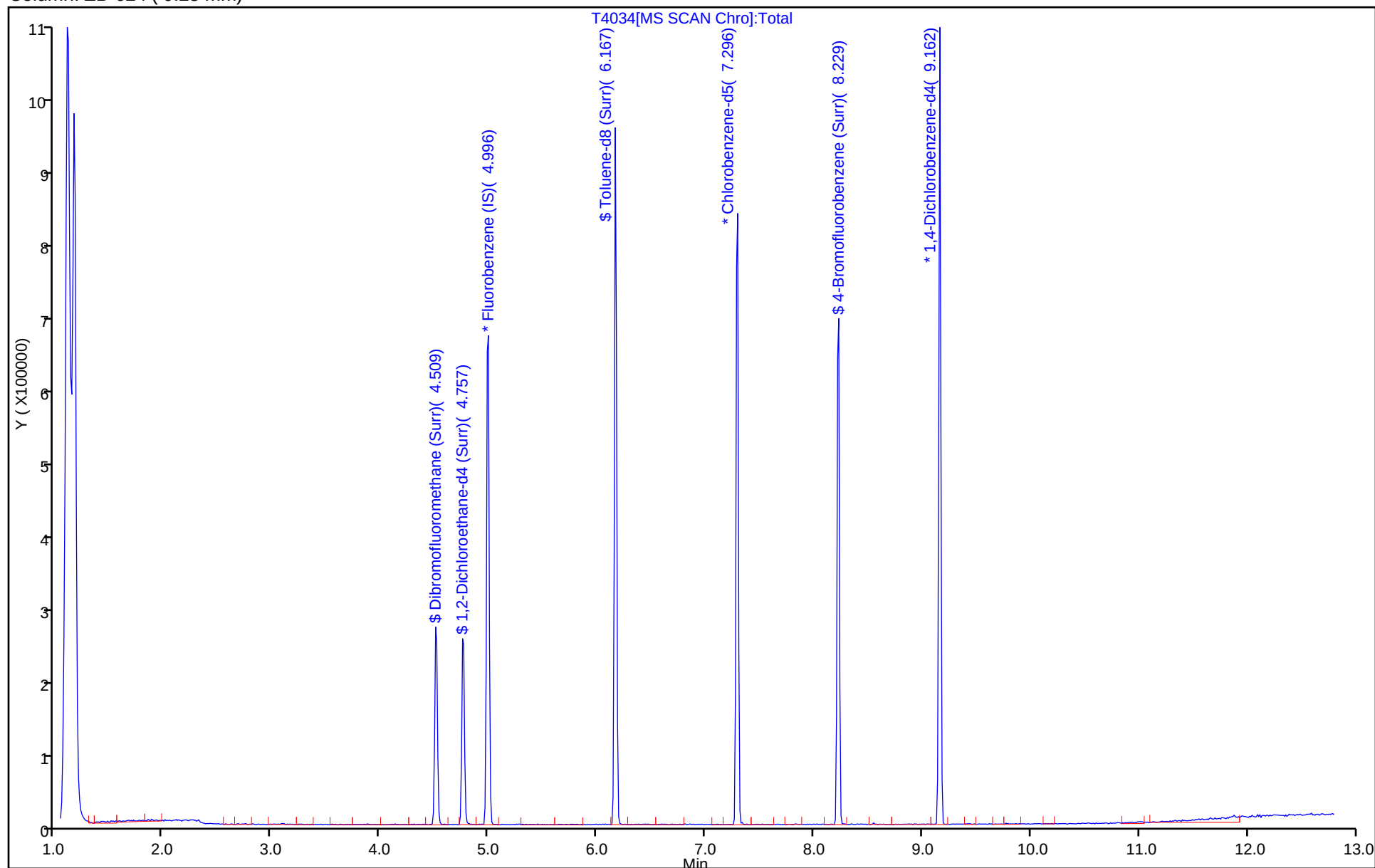
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-283295/6

Matrix: Water Lab File ID: C60665.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/12/2016 23:13

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (30) ID: 0.53 (mm)

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

Analysis Batch No.: 283295 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.: 480-93630-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-283295/6
 Matrix: Water Lab File ID: C60665.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 01/12/2016 23:13
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (30) ID: 0.53 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 283295 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		66-137
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
2037-26-5	Toluene-d8 (Surr)	103		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60665.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 12-Jan-2016 23:13:30 ALS Bottle#: 51 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0049899-006
 Operator ID: SO Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 13-Jan-2016 08:43:19 Calib Date: 11-Dec-2015 22:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK037

First Level Reviewer: o'briens

Date: 12-Jan-2016 23:31:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	99	96383	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	86	205572	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.792	0.000	95	214963	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	134777	25.0	26.4	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	75174	25.0	24.5	
\$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	93	445681	25.0	25.8	
\$ 6 4-Bromofluorobenzene (Surr	174	12.725	12.725	0.000	95	157626	25.0	26.4	
10 Dichlorodifluoromethane	85		4.436					ND	
11 Chlorodifluoromethane	51		4.471					ND	
12 Chloromethane	50		4.839					ND	
13 Vinyl chloride	62		5.076					ND	
151 Butadiene	54		5.124					ND	
14 Bromomethane	94		5.681					ND	
15 Chloroethane	64		5.823					ND	
16 Dichlorofluoromethane	67		6.108					ND	
17 Trichlorofluoromethane	101		6.155					ND	
148 Ethanol	45		6.416					ND	
18 Ethyl ether	59		6.476					ND	
19 Propene oxide	58		6.630					ND	
20 Acrolein	56		6.725					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.748					ND	
22 1,1-Dichloroethene	96		6.819					ND	
23 Acetone	43		6.879					ND	
24 Isopropyl alcohol	45		6.974					ND	
25 Iodomethane	142		7.045					ND	
26 Carbon disulfide	76		7.140					ND	
27 Methyl acetate	43		7.163					ND	
28 3-Chloro-1-propene	41		7.187					ND	
29 Acetonitrile	40		7.223					ND	
30 Methylene Chloride	84		7.341					ND	
31 2-Methyl-2-propanol	59		7.353					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		7.495					ND	
34 trans-1,2-Dichloroethene	96		7.567					ND	
33 Acrylonitrile	53		7.578					ND	
35 Hexane	57		7.709					ND	
135 Halothane	117		7.863					ND	
36 Isopropyl ether	45		7.875					ND	
37 Vinyl acetate	43		7.910					ND	
38 1,1-Dimethoxyethane	75		7.970					ND	
39 1,1-Dichloroethane	63		7.970					ND	
40 2-Chloro-1,3-butadiene	53		8.017					ND	
41 Tert-butyl ethyl ether	59		8.183					ND	
42 Ethyl acetate	43		8.397					ND	
43 2-Butanone (MEK)	43		8.432					ND	
44 2,2-Dichloropropane	77		8.456					ND	
45 cis-1,2-Dichloroethene	96		8.468					ND	
46 Propionitrile	54		8.539					ND	
47 Methacrylonitrile	41		8.646					ND	
48 Chlorobromomethane	128		8.693					ND	
49 Tetrahydrofuran	42		8.705					ND	
50 Chloroform	83		8.705					ND	
51 1,1,1-Trichloroethane	97		8.871					ND	
52 Cyclohexane	56		8.907					ND	
53 Isobutyl alcohol	43		8.954					ND	
54 1,1-Dichloropropene	75		8.990					ND	
55 Carbon tetrachloride	117		9.001					ND	
147 t-Amyl alcohol	59		9.037					ND	
152 Isooctane	57		9.108					ND	
56 Tert-amyl methyl ether	73		9.132					ND	
57 Benzene	78		9.179					ND	
59 n-Heptane	43		9.191					ND	
58 1,2-Dichloroethane	62		9.203					ND	
1 1,4-Difluorobenzene	114		9.405					ND	
60 n-Butanol	56		9.452					ND	
141 2,4,4-Trimethyl-1-pentene	55		9.511					ND	
142 Ethyl acrylate	55		9.606					ND	
62 Trichloroethene	95		9.654					ND	
140 2,4,4-Trimethyl-2-pentene	97		9.654					ND	
63 Methyl methacrylate	41		9.784					ND	
64 Methylcyclohexane	83		9.796					ND	
65 1,2-Dichloropropane	63		9.867					ND	
66 1,4-Dioxane	88		9.926					ND	
67 Dibromomethane	93		9.998					ND	
68 Dichlorobromomethane	83		10.069					ND	
69 2-Chloroethyl vinyl ether	63		10.187					ND	
70 2-Nitropropane	43		10.235					ND	
71 Epichlorohydrin	57		10.330					ND	
72 cis-1,3-Dichloropropene	75		10.377					ND	
73 4-Methyl-2-pentanone (MIBK)	43		10.413					ND	
74 Toluene	92		10.650					ND	
75 Ethyl methacrylate	69		10.721					ND	
76 2-Methylthiophene	97		10.768					ND	
77 trans-1,3-Dichloropropene	75		10.792					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
78 3-Methylthiophene	97		10.899					ND	
79 1,1,2-Trichloroethane	83		10.970					ND	
80 2-Hexanone	43		11.053					ND	
155 n-Butyl acetate	43		11.065					ND	
81 Tetrachloroethene	166		11.088					ND	
82 1,3-Dichloropropane	76		11.124					ND	
83 Chlorodibromomethane	129		11.338					ND	
84 Ethylene Dibromide	107		11.480					ND	
85 3-Chlorobenzotrifluoride	180		11.622					ND	
146 1-Chlorohexane	55		11.634					ND	
86 4-Chlorobenzotrifluoride	180		11.658					ND	
87 Chlorobenzene	112		11.800					ND	
88 Ethylbenzene	91		11.812					ND	
89 1,1,1,2-Tetrachloroethane	131		11.836					ND	
90 m-Xylene & p-Xylene	106		11.883					ND	
91 o-Xylene	106		12.239					ND	
92 Styrene	104		12.251					ND	
93 2-Chlorobenzotrifluoride	180		12.405					ND	
94 Isopropylbenzene	105		12.500					ND	
95 Bromoform	173		12.523					ND	
96 Cyclohexanone	55		12.725					ND	
97 1,1,2,2-Tetrachloroethane	83		12.796					ND	
98 trans-1,4-Dichloro-2-buten	53		12.832					ND	
99 N-Propylbenzene	91		12.855					ND	
100 1,2,3-Trichloropropane	110		12.879					ND	
101 Bromobenzene	156		12.915					ND	
102 1,3,5-Trimethylbenzene	105		12.962					ND	
103 2-Chlorotoluene	126		13.021					ND	
104 3-Chlorotoluene	126		13.069					ND	
105 4-Chlorotoluene	126		13.104					ND	
106 tert-Butylbenzene	134		13.294					ND	
107 1,2,4-Trimethylbenzene	105		13.342					ND	
108 Pentachloroethane	167		13.425					ND	
109 sec-Butylbenzene	105		13.496					ND	
110 4-Isopropyltoluene	119		13.591					ND	
111 1,3-Dichlorobenzene	146		13.733					ND	
112 1,2,3-Trimethylbenzene	105		13.780					ND	
113 1,4-Dichlorobenzene	146		13.816					ND	
114 Dicyclopentadiene	66		13.828					ND	
150 Benzyl chloride	126		13.934					ND	
115 n-Butylbenzene	91		14.006					ND	
116 1,2-Dichlorobenzene	146		14.231					ND	
117 1,2-Dibromo-3-Chloropropan	75		15.120					ND	
118 1,3,5-Trichlorobenzene	180		15.286					ND	
119 1,2,4-Trichlorobenzene	180		16.140					ND	
120 Hexachlorobutadiene	225		16.247					ND	
121 Naphthalene	128		16.579					ND	
122 1,2,3-Trichlorobenzene	180		16.947					ND	
149 2-Methylnaphthalene	142		18.536					ND	
137 Nitrobenzene	77		0.000					ND	
144 1-Bromopropane 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
139 cis-1,4-Dichloro-2-butene	88		0.000					ND	
138 Methyl acrylate	1		0.000					ND	
136 Hexachloroethane	117		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47		5.500					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 129 Aziridine TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 130 bis(chloromethyl)ether TIC	1		0.000					ND	
T 131 Bromoethane TIC	1		0.000					ND	
T 132 Pentachloroethane TIC	1		0.000					ND	
T 133 1-Bromopropane	1		0.000					ND	
T 134 tert-amyl alcohol TIC	1		0.000					ND	

Reagents:

C_8260_IS_00066

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00069

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60665.D

Injection Date: 12-Jan-2016 23:13:30

Instrument ID: HP5973C

Operator ID: SO

Lims ID: MB

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

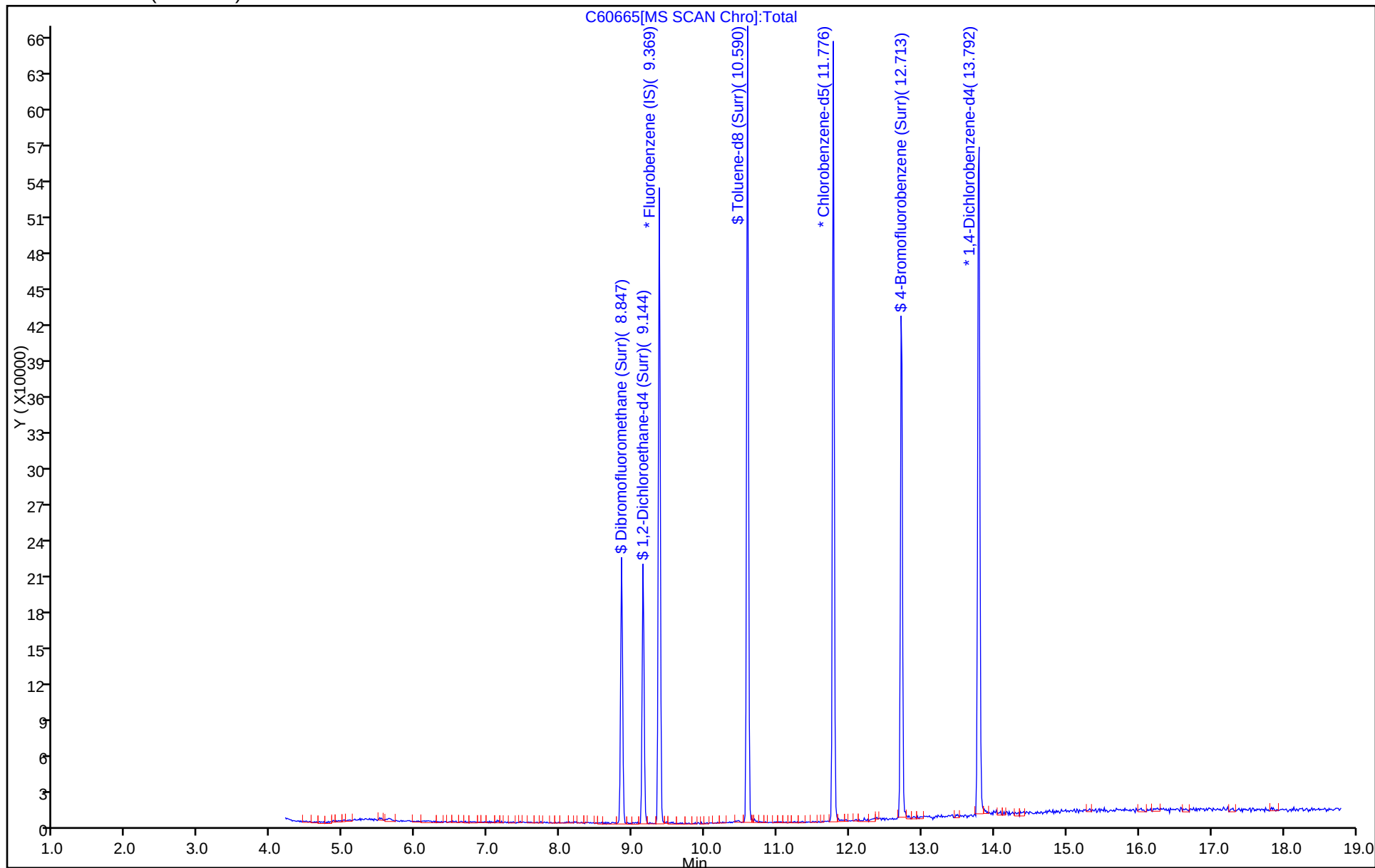
Dil. Factor: 1.0000

ALS Bottle#: 51

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-282953/5

Matrix: Water Lab File ID: T4005.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 10:28

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 282953 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	22.9		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.4		1.0	0.31
79-00-5	1,1,2-Trichloroethane	22.0		1.0	0.23
75-34-3	1,1-Dichloroethane	23.0		1.0	0.38
75-35-4	1,1-Dichloroethene	23.0		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	21.1		1.0	0.39
106-93-4	1,2-Dibromoethane	23.4		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.1		1.0	0.79
107-06-2	1,2-Dichloroethane	24.8		1.0	0.21
78-87-5	1,2-Dichloropropane	22.7		1.0	0.72
541-73-1	1,3-Dichlorobenzene	23.9		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.0		1.0	0.84
78-93-3	2-Butanone (MEK)	120		10	1.3
591-78-6	2-Hexanone	114		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	110		5.0	2.1
67-64-1	Acetone	116		10	3.0
71-43-2	Benzene	23.3		1.0	0.41
75-27-4	Bromodichloromethane	25.0		1.0	0.39
75-25-2	Bromoform	23.6		1.0	0.26
74-83-9	Bromomethane	28.7		1.0	0.69
75-15-0	Carbon disulfide	21.5		1.0	0.19
56-23-5	Carbon tetrachloride	24.9		1.0	0.27
108-90-7	Chlorobenzene	23.1		1.0	0.75
75-00-3	Chloroethane	29.3		1.0	0.32
67-66-3	Chloroform	24.4		1.0	0.34
74-87-3	Chloromethane	20.2		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.0		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	23.3		1.0	0.36
110-82-7	Cyclohexane	21.5		1.0	0.18
124-48-1	Dibromochloromethane	23.5		1.0	0.32
75-71-8	Dichlorodifluoromethane	20.2		1.0	0.68
100-41-4	Ethylbenzene	22.6		1.0	0.74
98-82-8	Isopropylbenzene	22.8		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-282953/5
 Matrix: Water Lab File ID: T4005.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 10:28
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 282953 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	119		2.5	1.3
1634-04-4	Methyl tert-butyl ether	23.6		1.0	0.16
108-87-2	Methylcyclohexane	23.4		1.0	0.16
75-09-2	Methylene Chloride	25.2		1.0	0.44
100-42-5	Styrene	23.4		1.0	0.73
127-18-4	Tetrachloroethene	24.3		1.0	0.36
108-88-3	Toluene	21.7		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	21.3		1.0	0.37
79-01-6	Trichloroethene	24.7		1.0	0.46
75-69-4	Trichlorofluoromethane	27.1		1.0	0.88
75-01-4	Vinyl chloride	20.9		1.0	0.90
1330-20-7	Xylenes, Total	46.2		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		66-137
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
2037-26-5	Toluene-d8 (Surr)	106		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4005.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 11-Jan-2016 10:28:30 ALS Bottle#: 55 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0049838-005
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 17:49:00 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: goliszekg

Date: 11-Jan-2016 13:05:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.985	4.985	0.000	99	97552	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	431273	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.162	9.162	0.000	94	243021	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.509	4.509	0.000	93	138732	25.0	30.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.757	0.000	0	149339	25.0	28.9	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	94	512426	25.0	26.4	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	96	189955	25.0	26.0	
11 Dichlorodifluoromethane	85	1.306	1.306	0.000	99	150629	25.0	20.2	
13 Chloromethane	50	1.420	1.420	0.000	99	152349	25.0	20.2	
151 Butadiene	54	1.545	1.545	0.000	92	153834	25.0	22.2	
14 Vinyl chloride	62	1.545	1.545	0.000	97	152705	25.0	20.9	
15 Bromomethane	94	1.824	1.824	0.000	92	77148	25.0	28.7	
16 Chloroethane	64	1.907	1.907	0.000	99	81209	25.0	29.3	
18 Dichlorofluoromethane	67	2.146	2.146	0.000	98	224103	25.0	26.4	
17 Trichlorofluoromethane	101	2.187	2.187	0.000	99	216143	25.0	27.1	
19 Ethyl ether	59	2.426	2.426	0.000	94	127730	25.0	22.9	
21 Acrolein	56	2.581	2.581	0.000	100	87835	125.0	103.4	
22 1,1-Dichloroethene	96	2.633	2.633	0.000	97	133925	25.0	23.0	
20 1,1,2-Trichloro-1,2,2-trif	101	2.643	2.643	0.000	93	141026	25.0	24.4	
23 Acetone	43	2.726	2.726	0.000	100	154234	125.0	115.9	
24 Iodomethane	142	2.778	2.778	0.000	100	275988	25.0	25.4	
25 Carbon disulfide	76	2.819	2.819	0.000	100	380800	25.0	21.5	
27 3-Chloro-1-propene	41	2.964	2.964	0.000	88	205496	25.0	22.5	
28 Methyl acetate	43	3.006	3.006	0.000	98	472600	125.0	119.3	
30 Methylene Chloride	84	3.099	3.099	0.000	95	147919	25.0	25.2	
31 2-Methyl-2-propanol	59	3.244	3.244	0.000	99	128945	250.0	197.5	
33 Methyl tert-butyl ether	73	3.306	3.306	0.000	97	396537	25.0	23.6	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	98	152827	25.0	24.3	
34 Acrylonitrile	53	3.327	3.327	0.000	99	495318	250.0	223.5	
35 Hexane	57	3.493	3.493	0.000	90	213603	25.0	21.5	
36 1,1-Dichloroethane	63	3.669	3.669	0.000	97	267108	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 Vinyl acetate	43	3.700	3.700	0.000	98	548788	50.0	47.6	
42 2,2-Dichloropropane	77	4.115	4.115	0.000	91	218458	25.0	23.4	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	83	173003	25.0	25.0	
44 2-Butanone (MEK)	43	4.156	4.156	0.000	100	258024	125.0	120.2	
47 Chlorobromomethane	128	4.322	4.322	0.000	89	93565	25.0	26.0	
48 Tetrahydrofuran	42	4.353	4.353	0.000	86	71232	50.0	43.7	
50 Chloroform	83	4.384	4.384	0.000	95	260655	25.0	24.4	
51 1,1,1-Trichloroethane	97	4.498	4.498	0.000	98	246265	25.0	25.0	
52 Cyclohexane	56	4.519	4.519	0.000	93	257456	25.0	21.5	
54 1,1-Dichloropropene	75	4.612	4.612	0.000	90	188872	25.0	23.7	
53 Carbon tetrachloride	117	4.612	4.612	0.000	91	221496	25.0	24.9	
56 Isobutyl alcohol	43	4.768	4.768	0.000	89	117247	625.0	503.9	
55 Benzene	78	4.778	4.778	0.000	98	562507	25.0	23.3	
57 1,2-Dichloroethane	62	4.819	4.819	0.000	98	228451	25.0	24.8	
59 n-Heptane	43	4.933	4.933	0.000	92	216724	25.0	24.4	
60 Trichloroethene	95	5.265	5.265	0.000	95	155069	25.0	24.7	
62 Methylcyclohexane	83	5.379	5.379	0.000	92	244206	25.0	23.4	
63 1,2-Dichloropropane	63	5.441	5.441	0.000	92	148554	25.0	22.7	
65 Dibromomethane	93	5.555	5.555	0.000	91	97032	25.0	25.3	
66 1,4-Dioxane	88	5.566	5.566	0.000	96	19384	500.0	274.8	
67 Dichlorobromomethane	83	5.669	5.669	0.000	97	192290	25.0	25.0	
69 2-Chloroethyl vinyl ether	63	5.876	5.876	0.000	93	92917	25.0	22.2	
71 cis-1,3-Dichloropropene	75	5.990	5.990	0.000	92	221447	25.0	23.3	
72 4-Methyl-2-pentanone (MIBK)	43	6.094	6.094	0.000	96	613399	125.0	109.6	
73 Toluene	92	6.218	6.218	0.000	98	368484	25.0	21.7	
75 trans-1,3-Dichloropropene	75	6.415	6.415	0.000	96	201773	25.0	21.3	
77 Ethyl methacrylate	69	6.446	6.446	0.000	90	159023	25.0	20.5	
78 1,1,2-Trichloroethane	83	6.560	6.560	0.000	93	104198	25.0	22.0	
79 Tetrachloroethene	166	6.633	6.633	0.000	97	187003	25.0	24.3	
80 1,3-Dichloropropane	76	6.685	6.685	0.000	92	208110	25.0	21.6	
81 2-Hexanone	43	6.726	6.726	0.000	95	428613	125.0	114.2	
82 Chlorodibromomethane	129	6.871	6.871	0.000	90	159660	25.0	23.5	
83 Ethylene Dibromide	107	6.954	6.954	0.000	98	144143	25.0	23.4	
86 Chlorobenzene	112	7.317	7.317	0.000	96	442040	25.0	23.1	
88 Ethylbenzene	91	7.379	7.379	0.000	98	722669	25.0	22.6	
89 1,1,1,2-Tetrachloroethane	131	7.379	7.379	0.000	81	171198	25.0	23.7	
90 m-Xylene & p-Xylene	106	7.472	7.472	0.000	0	302447	25.0	23.3	
91 o-Xylene	106	7.794	7.794	0.000	96	296159	25.0	22.9	
92 Styrene	104	7.804	7.804	0.000	95	476777	25.0	23.4	
93 Bromoform	173	7.990	7.990	0.000	97	88866	25.0	23.6	
95 Isopropylbenzene	105	8.073	8.073	0.000	96	788032	25.0	22.8	
97 Bromobenzene	156	8.353	8.353	0.000	89	216676	25.0	23.8	
98 1,1,2,2-Tetrachloroethane	83	8.364	8.364	0.000	97	162813	25.0	22.9	
101 trans-1,4-Dichloro-2-buten	53	8.395	8.395	0.000	69	29236	25.0	10.4	
100 1,2,3-Trichloropropane	110	8.395	8.395	0.000	89	58361	25.0	23.6	
99 N-Propylbenzene	91	8.405	8.405	0.000	99	874742	25.0	21.9	
105 2-Chlorotoluene	126	8.498	8.498	0.000	98	200379	25.0	23.8	
104 1,3,5-Trimethylbenzene	105	8.540	8.540	0.000	94	681745	25.0	23.1	
102 4-Chlorotoluene	91	8.581	8.581	0.000	97	555296	25.0	22.3	
106 tert-Butylbenzene	134	8.809	8.809	0.000	92	161842	25.0	23.9	
107 1,2,4-Trimethylbenzene	105	8.851	8.851	0.000	96	700019	25.0	22.3	
109 sec-Butylbenzene	105	8.985	8.985	0.000	94	884272	25.0	22.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 4-Isopropyltoluene	119	9.099	9.099	0.000	97	776243	25.0	23.6	
110 1,3-Dichlorobenzene	146	9.110	9.110	0.000	99	420974	25.0	23.9	
113 1,4-Dichlorobenzene	146	9.182	9.182	0.000	96	431267	25.0	24.0	
115 n-Butylbenzene	91	9.441	9.441	0.000	97	652407	25.0	22.5	
116 1,2-Dichlorobenzene	146	9.493	9.493	0.000	99	415393	25.0	24.1	
117 1,2-Dibromo-3-Chloropropan	75	10.156	10.156	0.000	85	27798	25.0	21.1	
119 1,2,4-Trichlorobenzene	180	10.820	10.820	0.000	94	297883	25.0	23.1	
120 Hexachlorobutadiene	225	10.923	10.923	0.000	96	140993	25.0	22.2	
121 Naphthalene	128	11.017	11.017	0.000	97	673954	25.0	23.4	
122 1,2,3-Trichlorobenzene	180	11.213	11.213	0.000	97	279092	25.0	23.4	
S 123 1,3-Dichloropropene, Total	1				0			44.7	
S 124 1,2-Dichloroethene, Total	1				0			49.3	
S 125 Total BTEX	1				0			114.0	
S 126 Xylenes, Total	1				0			46.3	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00130	Amount Added: 12.50	Units: uL	
T_8260_Surr_00117	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00119	Amount Added: 1.00	Units: uL	Run Reagent

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20160111-49838.b\\T4005.D

Operator ID: qtg

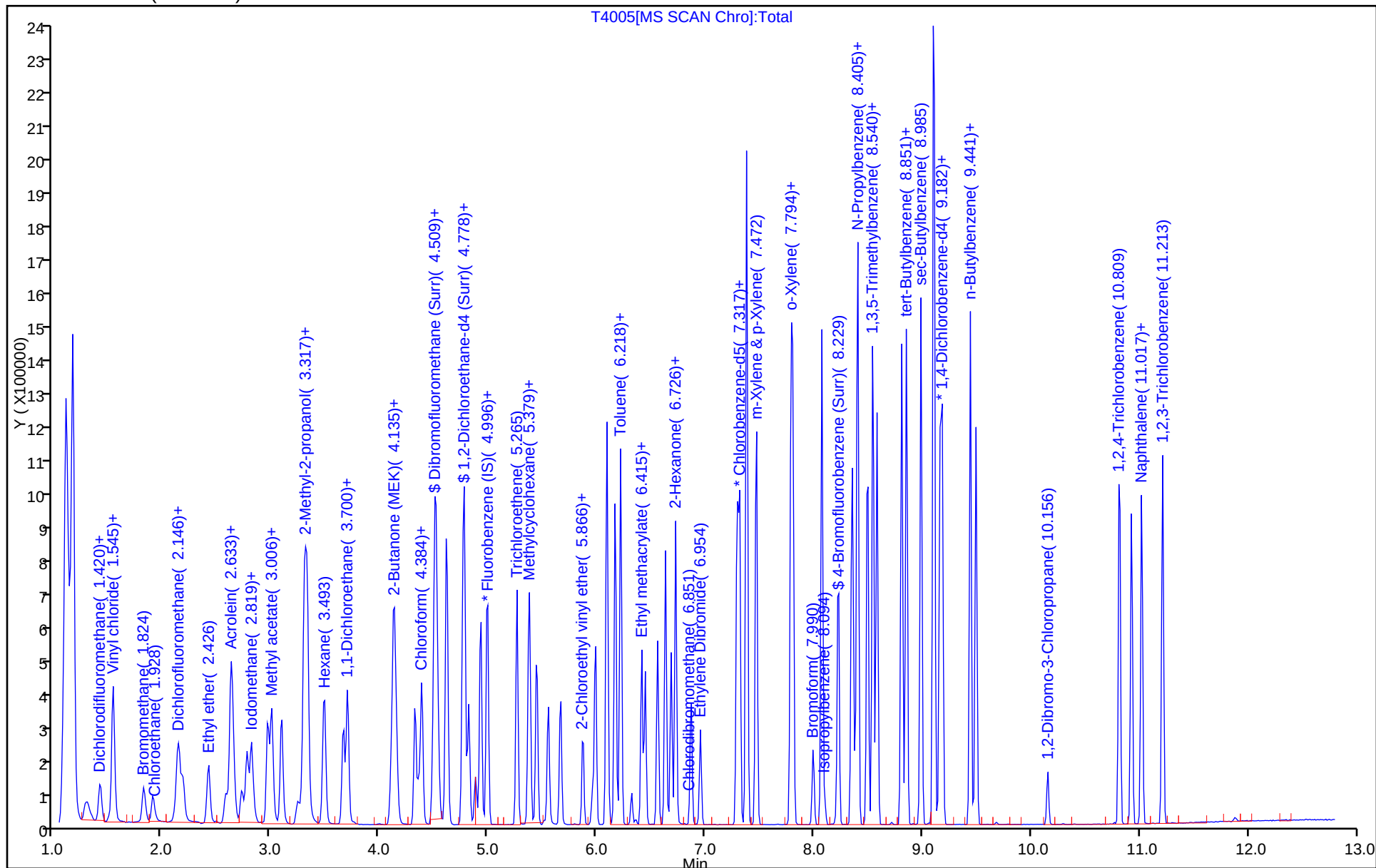
Worklist Smp#: 5

Client ID:

ALS Bottle#: 55

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.: 480-93630-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-283077/5

Matrix: Water Lab File ID: T4032.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 22:34

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 283077 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.0		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.3		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	28.5		1.0	0.31
79-00-5	1,1,2-Trichloroethane	23.8		1.0	0.23
75-34-3	1,1-Dichloroethane	24.8		1.0	0.38
75-35-4	1,1-Dichloroethene	25.7		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.0		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	21.8		1.0	0.39
106-93-4	1,2-Dibromoethane	25.4		1.0	0.73
95-50-1	1,2-Dichlorobenzene	25.8		1.0	0.79
107-06-2	1,2-Dichloroethane	25.4		1.0	0.21
78-87-5	1,2-Dichloropropane	24.0		1.0	0.72
541-73-1	1,3-Dichlorobenzene	26.2		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.3		1.0	0.84
78-93-3	2-Butanone (MEK)	134		10	1.3
591-78-6	2-Hexanone	125		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	117		5.0	2.1
67-64-1	Acetone	161		10	3.0
71-43-2	Benzene	24.8		1.0	0.41
75-27-4	Bromodichloromethane	26.0		1.0	0.39
75-25-2	Bromoform	24.7		1.0	0.26
74-83-9	Bromomethane	34.9		1.0	0.69
75-15-0	Carbon disulfide	25.5		1.0	0.19
56-23-5	Carbon tetrachloride	26.9		1.0	0.27
108-90-7	Chlorobenzene	24.9		1.0	0.75
75-00-3	Chloroethane	31.3		1.0	0.32
67-66-3	Chloroform	26.1		1.0	0.34
74-87-3	Chloromethane	19.7		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	26.6		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.9		1.0	0.36
110-82-7	Cyclohexane	24.5		1.0	0.18
124-48-1	Dibromochloromethane	25.2		1.0	0.32
75-71-8	Dichlorodifluoromethane	19.5		1.0	0.68
100-41-4	Ethylbenzene	25.0		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.: 480-93630-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-283077/5
 Matrix: Water Lab File ID: T4032.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 22:34
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 283077 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	130		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.6		1.0	0.16
108-87-2	Methylcyclohexane	26.0		1.0	0.16
75-09-2	Methylene Chloride	26.9		1.0	0.44
100-42-5	Styrene	24.6		1.0	0.73
127-18-4	Tetrachloroethene	27.6		1.0	0.36
108-88-3	Toluene	23.4		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	26.9		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	22.5		1.0	0.37
79-01-6	Trichloroethene	26.8		1.0	0.46
75-69-4	Trichlorofluoromethane	28.7		1.0	0.88
75-01-4	Vinyl chloride	20.5		1.0	0.90
1330-20-7	Xylenes, Total	50.1		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		66-137
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	101		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T4032.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 11-Jan-2016 22:34:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0049863-005
 Operator ID: GF Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49863.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 12-Jan-2016 08:45:39 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK021

First Level Reviewer: fortaing

Date: 11-Jan-2016 23:14:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.996	4.996	0.000	99	101707	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	443887	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.161	0.000	95	245754	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	4.508	4.508	0.000	93	139620	25.0	28.9	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.768	4.768	0.000	0	152106	25.0	28.2	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	93	505090	25.0	25.3	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	95	191474	25.0	25.5	
11 Dichlorodifluoromethane	85	1.306	1.306	0.000	97	151826	25.0	19.5	
12 Chlorodifluoromethane	51	1.317	1.317	0.000	97	126509	25.0	18.4	
13 Chloromethane	50	1.420	1.420	0.000	99	155028	25.0	19.7	
151 Butadiene	54	1.545	1.545	0.000	92	148734	25.0	20.6	
14 Vinyl chloride	62	1.545	1.545	0.000	97	155574	25.0	20.5	
15 Bromomethane	94	1.824	1.824	0.000	92	97742	25.0	34.9	
16 Chloroethane	64	1.918	1.918	0.000	99	90278	25.0	31.3	
18 Dichlorofluoromethane	67	2.146	2.146	0.000	98	240009	25.0	27.1	
17 Trichlorofluoromethane	101	2.187	2.187	0.000	98	238378	25.0	28.7	
19 Ethyl ether	59	2.426	2.426	0.000	97	141651	25.0	24.4	
148 Ethanol	45	2.426	2.426	0.000	74	149304	1000.0	2258.6	
21 Acrolein	56	2.581	2.581	0.000	99	104431	125.0	118.0	
22 1,1-Dichloroethene	96	2.633	2.633	0.000	97	156585	25.0	25.7	
20 1,1,2-Trichloro-1,2,2-trif	101	2.643	2.643	0.000	90	172041	25.0	28.5	
23 Acetone	43	2.736	2.736	0.000	100	222795	125.0	160.6	
24 Iodomethane	142	2.778	2.778	0.000	100	318862	25.0	28.1	
25 Carbon disulfide	76	2.819	2.819	0.000	100	471048	25.0	25.5	
26 Isopropyl alcohol	45	2.902	2.902	0.000	98	77723	250.0	194.8	
27 3-Chloro-1-propene	41	2.975	2.975	0.000	88	368886	25.0	38.8	
28 Methyl acetate	43	3.006	3.006	0.000	98	537533	125.0	130.2	
29 Acetonitrile	40	3.006	3.006	0.000	37	106892	250.0	300.5	
30 Methylene Chloride	84	3.099	3.099	0.000	95	164279	25.0	26.9	
31 2-Methyl-2-propanol	59	3.244	3.244	0.000	100	171142	250.0	251.4	
33 Methyl tert-butyl ether	73	3.306	3.306	0.000	97	431035	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
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	97	176116	25.0	26.9	
34 Acrylonitrile	53	3.327	3.327	0.000	99	550993	250.0	238.5	
35 Hexane	57	3.493	3.493	0.000	91	254522	25.0	24.5	
36 1,1-Dichloroethane	63	3.669	3.669	0.000	97	300652	25.0	24.8	
37 Isopropyl ether	45	3.690	3.690	0.000	85	468653	25.0	22.8	
39 Vinyl acetate	43	3.700	3.700	0.000	98	916894	50.0	76.3	
38 2-Chloro-1,3-butadiene	53	3.721	3.721	0.000	94	262284	25.0	23.8	
41 Tert-butyl ethyl ether	59	3.980	3.980	0.000	98	499068	25.0	22.9	
42 2,2-Dichloropropane	77	4.115	4.115	0.000	91	242070	25.0	24.9	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	84	192389	25.0	26.6	
44 2-Butanone (MEK)	43	4.156	4.156	0.000	94	300371	125.0	134.2	
45 Ethyl acetate	43	4.177	4.177	0.000	1	314237	50.0	63.0	
46 Propionitrile	54	4.229	4.229	0.000	99	190577	250.0	228.8	
47 Chlorobromomethane	128	4.332	4.332	0.000	92	101829	25.0	27.2	
49 Methacrylonitrile	41	4.322	4.322	0.000	93	825445	250.0	239.4	
48 Tetrahydrofuran	42	4.353	4.353	0.000	94	88653	50.0	52.2	
50 Chloroform	83	4.384	4.384	0.000	96	291089	25.0	26.1	
51 1,1,1-Trichloroethane	97	4.498	4.498	0.000	98	278173	25.0	27.0	
52 Cyclohexane	56	4.519	4.519	0.000	93	305524	25.0	24.5	
54 1,1-Dichloropropene	75	4.612	4.612	0.000	88	211276	25.0	25.4	
53 Carbon tetrachloride	117	4.622	4.622	0.000	91	248846	25.0	26.9	
56 Isobutyl alcohol	43	4.768	4.768	0.000	88	264907	625.0	1091.9	
55 Benzene	78	4.778	4.778	0.000	98	623500	25.0	24.8	
152 Isooctane	57	4.788	4.788	0.000	94	607266	25.0	24.6	
57 1,2-Dichloroethane	62	4.819	4.819	0.000	97	243513	25.0	25.4	
147 t-Amyl alcohol	59	4.819	4.819	0.000	49	142666	250.0	233.3	
58 Tert-amyl methyl ether	73	4.850	4.850	0.000	96	465137	25.0	22.6	
59 n-Heptane	43	4.933	4.933	0.000	92	247000	25.0	26.8	
1 1,4-Difluorobenzene	114	5.068	5.068	0.000	94	499395	25.0	24.9	
61 n-Butanol	56	5.255	5.255	0.000	85	95962	625.0	536.2	
60 Trichloroethene	95	5.265	5.265	0.000	94	175895	25.0	26.8	
62 Methylcyclohexane	83	5.379	5.379	0.000	93	282578	25.0	26.0	
142 Ethyl acrylate	55	5.348	5.348	0.000	81	195665	25.0	9.86	M
63 1,2-Dichloropropane	63	5.441	5.441	0.000	92	163878	25.0	24.0	
64 Methyl methacrylate	41	5.514	5.514	0.000	90	238614	50.0	46.9	
65 Dibromomethane	93	5.555	5.555	0.000	93	108012	25.0	27.0	
66 1,4-Dioxane	88	5.566	5.566	0.000	95	29590	500.0	407.6	
67 Dichlorobromomethane	83	5.669	5.669	0.000	98	208403	25.0	26.0	
69 2-Chloroethyl vinyl ether	63	5.876	5.876	0.000	96	102935	25.0	23.6	
68 2-Nitropropane	43	5.866	5.866	0.000	94	129711	50.0	68.7	
71 cis-1,3-Dichloropropene	75	5.990	5.990	0.000	92	246167	25.0	24.9	
72 4-Methyl-2-pentanone (MIBK)	43	6.094	6.094	0.000	96	672558	125.0	116.8	
73 Toluene	92	6.218	6.218	0.000	97	408658	25.0	23.4	
75 trans-1,3-Dichloropropene	75	6.415	6.415	0.000	96	218957	25.0	22.5	
77 Ethyl methacrylate	69	6.446	6.446	0.000	89	178379	25.0	22.4	
78 1,1,2-Trichloroethane	83	6.560	6.560	0.000	93	115741	25.0	23.8	
79 Tetrachloroethene	166	6.633	6.633	0.000	97	218663	25.0	27.6	
80 1,3-Dichloropropane	76	6.685	6.685	0.000	92	226494	25.0	22.8	
81 2-Hexanone	43	6.726	6.726	0.000	95	482974	125.0	125.0	
155 n-Butyl acetate	43	6.809	6.809	0.000	99	193690	25.0	21.5	
82 Chlorodibromomethane	129	6.871	6.871	0.000	90	176796	25.0	25.2	
83 Ethylene Dibromide	107	6.954	6.954	0.000	98	161181	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
146 1-Chlorohexane	55	7.265	7.265	0.000	96	170782	25.0	23.4	
85 3-Chlorobenzotrifluoride	180	7.275	7.275	0.000	92	271129	25.0	24.4	
86 Chlorobenzene	112	7.317	7.317	0.000	93	491016	25.0	24.9	
87 4-Chlorobenzotrifluoride	180	7.317	7.317	0.000	76	256757	25.0	23.8	
88 Ethylbenzene	91	7.379	7.379	0.000	98	820961	25.0	25.0	
89 1,1,1,2-Tetrachloroethane	131	7.379	7.379	0.000	46	191758	25.0	25.8	
90 m-Xylene & p-Xylene	106	7.472	7.472	0.000	0	334427	25.0	25.1	
91 o-Xylene	106	7.794	7.794	0.000	96	332237	25.0	25.0	
92 Styrene	104	7.804	7.804	0.000	94	517250	25.0	24.6	
93 Bromoform	173	7.990	7.990	0.000	95	95948	25.0	24.7	
94 2-Chlorobenzotrifluoride	180	8.001	8.001	0.000	96	271210	25.0	23.8	
95 Isopropylbenzene	105	8.073	8.073	0.000	95	873181	25.0	24.9	
96 Cyclohexanone	55	8.198	8.198	0.000	93	50946	250.0	205.9	
97 Bromobenzene	156	8.353	8.353	0.000	89	234407	25.0	25.5	
98 1,1,2,2-Tetrachloroethane	83	8.364	8.364	0.000	97	174957	25.0	24.3	
101 trans-1,4-Dichloro-2-buten	53	8.395	8.395	0.000	72	48814	25.0	17.1	
100 1,2,3-Trichloropropane	110	8.395	8.395	0.000	89	63812	25.0	25.5	
99 N-Propylbenzene	91	8.405	8.405	0.000	99	969868	25.0	24.0	
105 2-Chlorotoluene	126	8.498	8.498	0.000	98	226218	25.0	26.6	
104 1,3,5-Trimethylbenzene	105	8.540	8.540	0.000	95	750374	25.0	25.1	
103 3-Chlorotoluene	126	8.540	8.540	0.000	83	219149	25.0	25.0	
102 4-Chlorotoluene	91	8.581	8.581	0.000	96	645879	25.0	25.7	
106 tert-Butylbenzene	134	8.809	8.809	0.000	92	180008	25.0	26.3	
107 1,2,4-Trimethylbenzene	105	8.851	8.851	0.000	96	779120	25.0	24.5	
108 Pentachloroethane	167	8.861	8.861	0.000	89	106635	25.0	34.0	
109 sec-Butylbenzene	105	8.985	8.985	0.000	94	960165	25.0	24.5	
111 4-Isopropyltoluene	119	9.099	9.099	0.000	97	855999	25.0	25.8	
110 1,3-Dichlorobenzene	146	9.110	9.110	0.000	98	467060	25.0	26.2	
112 Dicyclopentadiene	66	9.172	9.172	0.000	97	774876	25.0	20.2	
113 1,4-Dichlorobenzene	146	9.182	9.182	0.000	88	459266	25.0	25.3	
114 1,2,3-Trimethylbenzene	105	9.203	9.203	0.000	98	738924	25.0	23.5	
150 Benzyl chloride	126	9.296	9.296	0.000	98	81824	25.0	26.5	
115 n-Butylbenzene	91	9.441	9.441	0.000	97	726453	25.0	24.8	
116 1,2-Dichlorobenzene	146	9.493	9.493	0.000	99	449678	25.0	25.8	
117 1,2-Dibromo-3-Chloropropan	75	10.156	10.156	0.000	89	29065	25.0	21.8	
118 1,3,5-Trichlorobenzene	180	10.291	10.291	0.000	98	327444	25.0	24.2	
119 1,2,4-Trichlorobenzene	180	10.820	10.820	0.000	95	327111	25.0	25.0	
120 Hexachlorobutadiene	225	10.923	10.923	0.000	97	158779	25.0	24.7	
121 Naphthalene	128	11.016	11.016	0.000	97	735776	25.0	25.2	
122 1,2,3-Trichlorobenzene	180	11.213	11.213	0.000	96	300507	25.0	24.9	
149 2-Methylnaphthalene	142	11.877	11.877	0.000	92	431432	25.0	23.7	
S 123 1,3-Dichloropropene, Total	1				0			47.4	
S 124 1,2-Dichloroethene, Total	1				0			53.5	
S 125 Total BTEX	1				0			123.3	
S 126 Xylenes, Total	1				0			50.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00130	Amount Added: 12.50	Units: uL	
ADD CORP mix_00041	Amount Added: 12.50	Units: uL	
T_8260_Surr_00117	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00119	Amount Added: 1.00	Units: uL	Run Reagent

Operator ID: GF

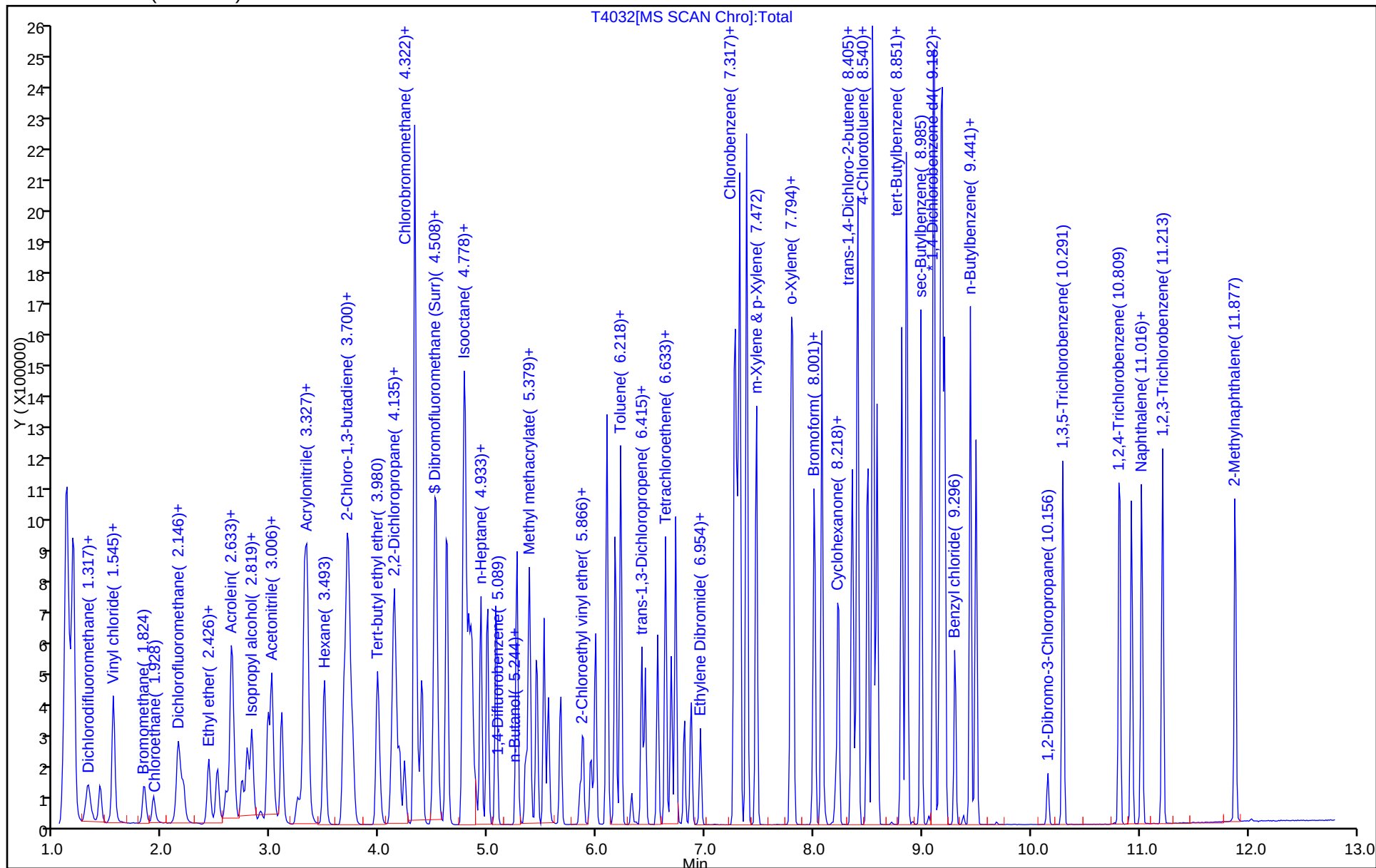
Worklist Smp#: 5

Client ID:

ALS Bottle#: 4

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.: 480-93630-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-283295/4

Matrix: Water Lab File ID: C60663.D

Analysis Method: 8260C Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 01/12/2016 22:23

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (30) ID: 0.53 (mm)

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

Analysis Batch No.: 283295 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.6		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	22.8		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.7		1.0	0.31
79-00-5	1,1,2-Trichloroethane	24.3		1.0	0.23
75-34-3	1,1-Dichloroethane	23.4		1.0	0.38
75-35-4	1,1-Dichloroethene	22.9		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	17.9		1.0	0.39
106-93-4	1,2-Dibromoethane	24.8		1.0	0.73
95-50-1	1,2-Dichlorobenzene	23.5		1.0	0.79
107-06-2	1,2-Dichloroethane	21.2		1.0	0.21
78-87-5	1,2-Dichloropropane	24.7		1.0	0.72
541-73-1	1,3-Dichlorobenzene	23.4		1.0	0.78
106-46-7	1,4-Dichlorobenzene	23.7		1.0	0.84
78-93-3	2-Butanone (MEK)	102		10	1.3
591-78-6	2-Hexanone	102		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	103		5.0	2.1
67-64-1	Acetone	92.6		10	3.0
71-43-2	Benzene	24.7		1.0	0.41
75-27-4	Bromodichloromethane	23.8		1.0	0.39
75-25-2	Bromoform	25.4		1.0	0.26
74-83-9	Bromomethane	24.5		1.0	0.69
75-15-0	Carbon disulfide	23.2		1.0	0.19
56-23-5	Carbon tetrachloride	22.7		1.0	0.27
108-90-7	Chlorobenzene	25.1		1.0	0.75
75-00-3	Chloroethane	23.7		1.0	0.32
67-66-3	Chloroform	22.7		1.0	0.34
74-87-3	Chloromethane	17.6		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.4		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.4		1.0	0.36
110-82-7	Cyclohexane	22.2		1.0	0.18
124-48-1	Dibromochloromethane	23.4		1.0	0.32
75-71-8	Dichlorodifluoromethane	18.8		1.0	0.68
100-41-4	Ethylbenzene	22.7		1.0	0.74
98-82-8	Isopropylbenzene	21.1		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-283295/4
 Matrix: Water Lab File ID: C60663.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 01/12/2016 22:23
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (30) ID: 0.53 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 283295 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	107		2.5	1.3
1634-04-4	Methyl tert-butyl ether	22.6		1.0	0.16
108-87-2	Methylcyclohexane	23.1		1.0	0.16
75-09-2	Methylene Chloride	25.3		1.0	0.44
100-42-5	Styrene	24.4		1.0	0.73
127-18-4	Tetrachloroethene	26.2		1.0	0.36
108-88-3	Toluene	24.0		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.2		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	23.2		1.0	0.37
79-01-6	Trichloroethene	23.3		1.0	0.46
75-69-4	Trichlorofluoromethane	22.4		1.0	0.88
75-01-4	Vinyl chloride	19.8		1.0	0.90
1330-20-7	Xylenes, Total	48.7		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		66-137
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
2037-26-5	Toluene-d8 (Surr)	103		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60663.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 12-Jan-2016 22:23:30 ALS Bottle#: 49 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0049899-004
 Operator ID: SO Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 13-Jan-2016 08:43:19 Calib Date: 11-Dec-2015 22:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK037

First Level Reviewer: o'briens

Date: 12-Jan-2016 22:58:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	99	99564	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	86	220177	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.792	13.792	0.000	94	233856	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr	113	8.847	8.847	0.000	93	137024	25.0	26.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	76345	25.0	24.1	
\$ 5 Toluene-d8 (Surr)	98	10.590	10.590	0.000	92	475736	25.0	25.7	
\$ 6 4-Bromofluorobenzene (Surr	174	12.725	12.725	0.000	94	168561	25.0	26.4	
10 Dichlorodifluoromethane	85	4.448	4.436	0.012	100	193590	25.0	18.8	
12 Chloromethane	50	4.851	4.839	0.012	99	190469	25.0	17.6	
13 Vinyl chloride	62	5.088	5.076	0.012	98	185553	25.0	19.8	
151 Butadiene	54	5.136	5.124	0.012	87	170249	25.0	17.5	
14 Bromomethane	94	5.693	5.681	0.012	92	157996	25.0	24.5	
15 Chloroethane	64	5.835	5.823	0.012	99	142000	25.0	23.7	
16 Dichlorofluoromethane	67	6.108	6.108	0.000	97	350582	25.0	22.1	
17 Trichlorofluoromethane	101	6.167	6.155	0.012	97	333604	25.0	22.4	
18 Ethyl ether	59	6.476	6.476	0.000	93	172188	25.0	22.5	
20 Acrolein	56	6.725	6.725	0.000	99	125893	125.0	97.0	
21 1,1,2-Trichloro-1,2,2-trif	101	6.748	6.748	0.000	92	186996	25.0	22.7	
22 1,1-Dichloroethene	96	6.819	6.819	0.000	96	171118	25.0	22.9	
23 Acetone	43	6.879	6.879	0.000	99	212973	125.0	92.6	
25 Iodomethane	142	7.057	7.045	0.012	99	351593	25.0	24.3	
26 Carbon disulfide	76	7.140	7.140	0.000	99	685114	25.0	23.2	
27 Methyl acetate	43	7.163	7.163	0.000	97	617519	125.0	106.7	
28 3-Chloro-1-propene	41	7.187	7.187	0.000	88	243353	25.0	17.8	
30 Methylene Chloride	84	7.341	7.341	0.000	92	207957	25.0	25.3	
31 2-Methyl-2-propanol	59	7.353	7.353	0.000	99	200271	250.0	263.7	
32 Methyl tert-butyl ether	73	7.507	7.495	0.012	96	539127	25.0	22.6	
34 trans-1,2-Dichloroethene	96	7.578	7.567	0.011	97	192888	25.0	24.2	
33 Acrylonitrile	53	7.578	7.578	0.000	99	725456	250.0	252.0	
35 Hexane	57	7.721	7.709	0.012	87	255954	25.0	20.7	
37 Vinyl acetate	43	7.922	7.910	0.012	97	685352	50.0	40.7	

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	7.970	7.970	0.000	97	359067	25.0	23.4	
43 2-Butanone (MEK)	43	8.432	8.432	0.000	99	354347	125.0	101.5	
44 2,2-Dichloropropane	77	8.456	8.456	0.000	89	282050	25.0	22.5	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	86	214545	25.0	24.4	
48 Chlorobromomethane	128	8.693	8.693	0.000	93	113580	25.0	26.5	
49 Tetrahydrofuran	42	8.705	8.705	0.000	54	96969	50.0	38.9	
50 Chloroform	83	8.705	8.705	0.000	95	355919	25.0	22.7	
51 1,1,1-Trichloroethane	97	8.883	8.871	0.012	99	289863	25.0	21.6	
52 Cyclohexane	56	8.907	8.907	0.000	90	343946	25.0	22.2	
53 Isobutyl alcohol	43	8.954	8.954	0.000	98	202455	625.0	555.4	
54 1,1-Dichloropropene	75	8.990	8.990	0.000	97	252249	25.0	22.6	
55 Carbon tetrachloride	117	9.013	9.001	0.012	99	270216	25.0	22.7	
57 Benzene	78	9.179	9.179	0.000	97	768800	25.0	24.7	
59 n-Heptane	43	9.191	9.191	0.000	90	227874	25.0	18.5	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	281688	25.0	21.2	
62 Trichloroethene	95	9.654	9.654	0.000	95	199473	25.0	23.3	
64 Methylcyclohexane	83	9.796	9.796	0.000	92	292688	25.0	23.1	
65 1,2-Dichloropropane	63	9.867	9.867	0.000	97	202888	25.0	24.7	
66 1,4-Dioxane	88	9.938	9.926	0.012	94	25634	500.0	597.0	
67 Dibromomethane	93	9.998	9.998	0.000	91	128402	25.0	24.1	
68 Dichlorobromomethane	83	10.069	10.069	0.000	99	274377	25.0	23.8	
69 2-Chloroethyl vinyl ether	63	10.187	10.187	0.000	91	123701	25.0	23.8	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	98	317166	25.0	24.4	
73 4-Methyl-2-pentanone (MIBK)	43	10.413	10.413	0.000	95	863758	125.0	102.6	
74 Toluene	92	10.650	10.650	0.000	98	489462	25.0	24.0	
75 Ethyl methacrylate	69	10.721	10.721	0.000	88	223013	25.0	22.7	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	92	292675	25.0	23.2	
79 1,1,2-Trichloroethane	83	10.982	10.970	0.012	93	151811	25.0	24.3	
80 2-Hexanone	43	11.053	11.053	0.000	93	595471	125.0	102.2	
81 Tetrachloroethene	166	11.089	11.088	0.000	99	250788	25.0	26.2	
82 1,3-Dichloropropane	76	11.124	11.124	0.000	89	305522	25.0	24.0	
83 Chlorodibromomethane	129	11.338	11.338	0.000	89	214066	25.0	23.4	
84 Ethylene Dibromide	107	11.480	11.480	0.000	99	200077	25.0	24.8	
87 Chlorobenzene	112	11.800	11.800	0.000	91	599973	25.0	25.1	
88 Ethylbenzene	91	11.812	11.812	0.000	96	921216	25.0	22.7	
89 1,1,1,2-Tetrachloroethane	131	11.836	11.836	0.000	94	228143	25.0	24.9	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	385606	25.0	24.5	
91 o-Xylene	106	12.239	12.239	0.000	97	380634	25.0	24.2	
92 Styrene	104	12.251	12.251	0.000	94	626797	25.0	24.4	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	958302	25.0	21.1	
95 Bromoform	173	12.535	12.523	0.012	97	137030	25.0	25.4	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	96	239645	25.0	22.8	
98 trans-1,4-Dichloro-2-buten	53	12.832	12.832	0.000	92	66779	25.0	17.3	
99 N-Propylbenzene	91	12.855	12.855	0.000	98	1114445	25.0	21.3	
100 1,2,3-Trichloropropane	110	12.879	12.879	0.000	85	80250	25.0	23.4	
101 Bromobenzene	156	12.915	12.915	0.000	88	278902	25.0	23.8	
102 1,3,5-Trimethylbenzene	105	12.974	12.962	0.012	94	846617	25.0	21.8	
103 2-Chlorotoluene	126	13.021	13.021	0.000	97	231242	25.0	22.9	
105 4-Chlorotoluene	126	13.104	13.104	0.000	98	246994	25.0	23.0	
106 tert-Butylbenzene	134	13.294	13.294	0.000	92	184535	25.0	21.9	
107 1,2,4-Trimethylbenzene	105	13.342	13.342	0.000	94	880909	25.0	22.0	
109 sec-Butylbenzene	105	13.496	13.496	0.000	94	1035769	25.0	21.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	13.591	13.591	0.000	97	884253	25.0	21.7	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	99	527257	25.0	23.4	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	96	548447	25.0	23.7	
115 n-Butylbenzene	91	14.006	14.006	0.000	97	741422	25.0	20.7	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	99	515334	25.0	23.5	
117 1,2-Dibromo-3-Chloropropan	75	15.120	15.120	0.000	90	40405	25.0	17.9	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	364331	25.0	24.7	
120 Hexachlorobutadiene	225	16.247	16.247	0.000	97	141550	25.0	24.1	
121 Naphthalene	128	16.579	16.579	0.000	97	761686	25.0	23.7	
122 1,2,3-Trichlorobenzene	180	16.947	16.947	0.000	96	344688	25.0	24.3	

Reagents:

GAS CORP mix_00130

Amount Added: 12.50

Units: uL

8260 CORP mix_00061

Amount Added: 12.50

Units: uL

C_8260_IS_00066

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00069

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60663.D

Injection Date: 12-Jan-2016 22:23:30

Instrument ID: HP5973C

Operator ID: SO

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

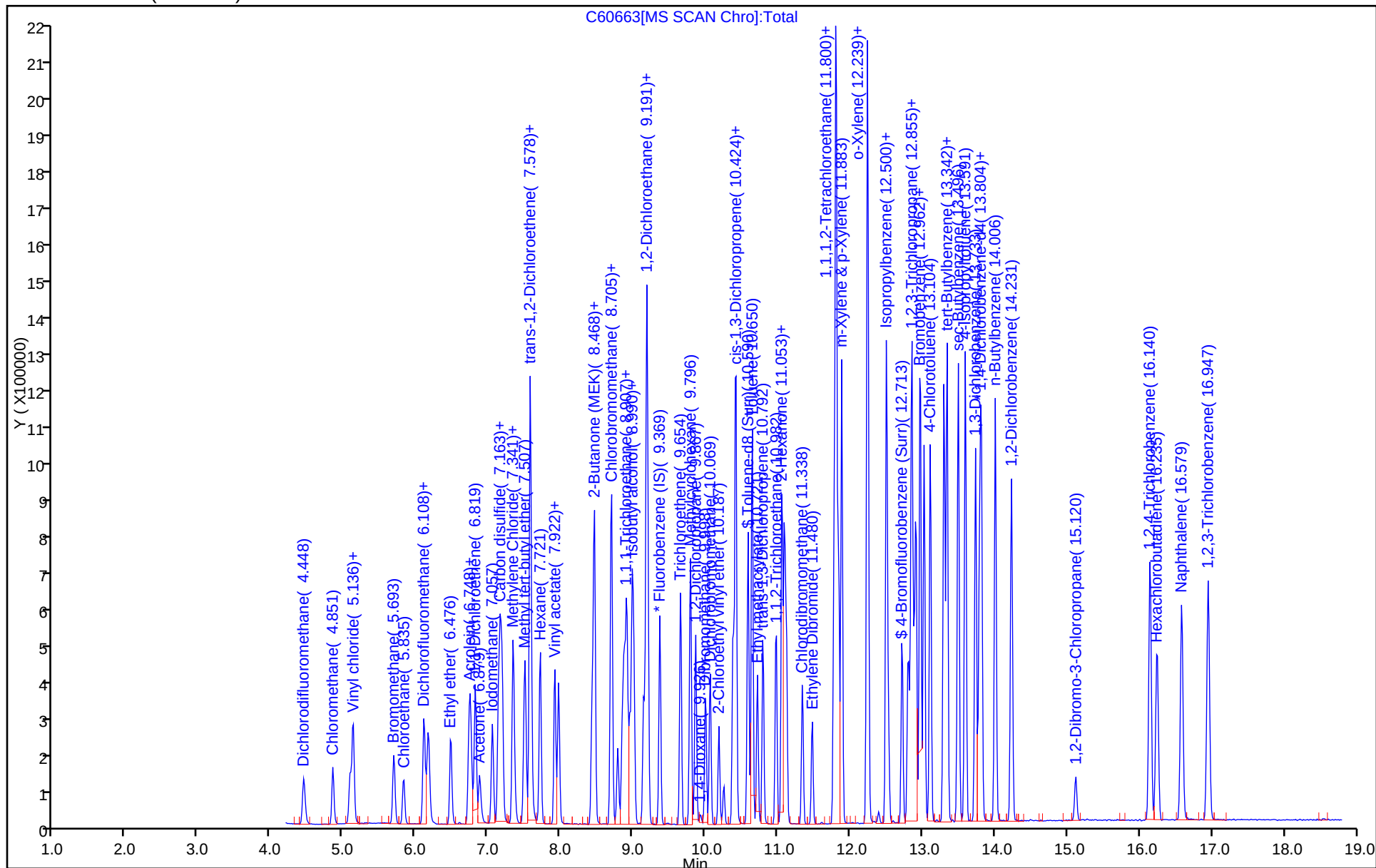
Dil. Factor: 1.0000

ALS Bottle#: 49

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-4 MS</u>	Lab Sample ID: <u>480-93630-3 MS</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>T4026.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/06/2016 13:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/11/2016 20:23</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>100</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>282953</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2660		100	82
79-34-5	1,1,2,2-Tetrachloroethane	2300		100	21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2660		100	31
79-00-5	1,1,2-Trichloroethane	2300		100	23
75-34-3	1,1-Dichloroethane	2690		100	38
75-35-4	1,1-Dichloroethene	2460		100	29
120-82-1	1,2,4-Trichlorobenzene	2420		100	41
96-12-8	1,2-Dibromo-3-Chloropropane	2020		100	39
106-93-4	1,2-Dibromoethane	2430		100	73
95-50-1	1,2-Dichlorobenzene	2540		100	79
107-06-2	1,2-Dichloroethane	2550		100	21
78-87-5	1,2-Dichloropropane	2410		100	72
541-73-1	1,3-Dichlorobenzene	2530		100	78
106-46-7	1,4-Dichlorobenzene	2510		100	84
78-93-3	2-Butanone (MEK)	13100		1000	130
591-78-6	2-Hexanone	11100		500	120
108-10-1	4-Methyl-2-pentanone (MIBK)	10900		500	210
67-64-1	Acetone	14400		1000	300
71-43-2	Benzene	2470		100	41
75-27-4	Bromodichloromethane	2580		100	39
75-25-2	Bromoform	2350		100	26
74-83-9	Bromomethane	2830		100	69
75-15-0	Carbon disulfide	2380		100	19
56-23-5	Carbon tetrachloride	2630		100	27
108-90-7	Chlorobenzene	2420		100	75
75-00-3	Chloroethane	2840		100	32
67-66-3	Chloroform	2600		100	34
74-87-3	Chloromethane	2260		100	35
156-59-2	cis-1,2-Dichloroethene	2800		100	81
10061-01-5	cis-1,3-Dichloropropene	2370		100	36
110-82-7	Cyclohexane	2380		100	18
124-48-1	Dibromochloromethane	2350		100	32
75-71-8	Dichlorodifluoromethane	2270		100	68
100-41-4	Ethylbenzene	2380		100	74
98-82-8	Isopropylbenzene	2380		100	79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1

SDG No.: _____

Client Sample ID: MW-4 MS Lab Sample ID: 480-93630-3 MS

Matrix: Ground Water Lab File ID: T4026.D

Analysis Method: 8260C Date Collected: 01/06/2016 13:10

Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 20:23

Soil Aliquot Vol: _____ Dilution Factor: 100

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 282953 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	12200		250	130
1634-04-4	Methyl tert-butyl ether	2440		100	16
108-87-2	Methylcyclohexane	2520		100	16
75-09-2	Methylene Chloride	2720		100	44
100-42-5	Styrene	2380		100	73
127-18-4	Tetrachloroethene	2540		100	36
108-88-3	Toluene	2270		100	51
156-60-5	trans-1,2-Dichloroethene	2620		100	90
10061-02-6	trans-1,3-Dichloropropene	2120		100	37
79-01-6	Trichloroethene	2630		100	46
75-69-4	Trichlorofluoromethane	3040		100	88
75-01-4	Vinyl chloride	8720		100	90
1330-20-7	Xylenes, Total	4800		200	66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		66-137
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
2037-26-5	Toluene-d8 (Surr)	105		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4026.D
 Lims ID: 480-93630-A-3 MS
 Client ID:
 Sample Type: MS
 Inject. Date: 11-Jan-2016 20:23:30 ALS Bottle#: 76 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 100.0000
 Sample Info: 480-93630-A-3 MS
 Misc. Info.: 480-0049838-026
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 22:27:47 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: fortaing

Date: 11-Jan-2016 20:51:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.995	4.985	0.010	99	93623	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	85	424709	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.162	-0.001	94	237910	25.0	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.768	4.757	0.011	0	147147	25.0	29.6	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	0.000	93	502730	25.0	26.3	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	96	186354	25.0	25.9	
11 Dichlorodifluoromethane	85	1.306	1.306	0.000	99	162633	25.0	22.7	
13 Chloromethane	50	1.420	1.420	0.000	99	163168	25.0	22.6	
14 Vinyl chloride	62	1.555	1.545	0.010	98	610631	25.0	87.2	
15 Bromomethane	94	1.824	1.824	0.000	92	72978	25.0	28.3	
16 Chloroethane	64	1.907	1.907	0.000	99	75501	25.0	28.4	
17 Trichlorofluoromethane	101	2.187	2.187	0.000	98	232932	25.0	30.4	
22 1,1-Dichloroethene	96	2.633	2.633	0.000	99	137816	25.0	24.6	
20 1,1,2-Trichloro-1,2,2-trif	101	2.643	2.643	0.000	91	147397	25.0	26.6	
23 Acetone	43	2.726	2.726	0.000	100	183817	125.0	143.9	
25 Carbon disulfide	76	2.819	2.819	0.000	100	404684	25.0	23.8	
28 Methyl acetate	43	3.006	3.006	0.000	98	462671	125.0	121.7	
30 Methylene Chloride	84	3.099	3.099	0.000	95	153015	25.0	27.2	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	98	158039	25.0	26.2	
33 Methyl tert-butyl ether	73	3.306	3.306	0.000	97	392617	25.0	24.4	
36 1,1-Dichloroethane	63	3.669	3.669	0.000	97	300194	25.0	26.9	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	82	186126	25.0	28.0	
44 2-Butanone (MEK)	43	4.156	4.156	0.000	100	269401	125.0	130.8	
50 Chloroform	83	4.384	4.384	0.000	95	267013	25.0	26.0	
51 1,1,1-Trichloroethane	97	4.498	4.498	0.000	98	252213	25.0	26.6	
52 Cyclohexane	56	4.519	4.519	0.000	93	273583	25.0	23.8	
53 Carbon tetrachloride	117	4.622	4.612	0.010	89	224299	25.0	26.3	
55 Benzene	78	4.778	4.778	0.000	98	572322	25.0	24.7	
57 1,2-Dichloroethane	62	4.819	4.819	0.000	98	225104	25.0	25.5	
60 Trichloroethene	95	5.265	5.265	0.000	93	158853	25.0	26.3	
62 Methylcyclohexane	83	5.379	5.379	0.000	93	251939	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
63 1,2-Dichloropropane	63	5.441	5.441	0.000	92	151205	25.0	24.1	
67 Dichlorobromomethane	83	5.669	5.669	0.000	98	190604	25.0	25.8	
71 cis-1,3-Dichloropropene	75	5.990	5.990	0.000	92	215544	25.0	23.7	
72 4-Methyl-2-pentanone (MIBK)	43	6.094	6.094	0.000	96	602728	125.0	109.4	
73 Toluene	92	6.218	6.218	0.000	98	379340	25.0	22.7	
75 trans-1,3-Dichloropropene	75	6.415	6.415	0.000	97	197309	25.0	21.2	
78 1,1,2-Trichloroethane	83	6.560	6.560	0.000	93	107352	25.0	23.0	
79 Tetrachloroethene	166	6.633	6.633	0.000	97	192676	25.0	25.4	
81 2-Hexanone	43	6.726	6.726	0.000	94	411359	125.0	111.3	
82 Chlorodibromomethane	129	6.871	6.871	0.000	89	157774	25.0	23.5	
83 Ethylene Dibromide	107	6.954	6.954	0.000	97	147317	25.0	24.3	
86 Chlorobenzene	112	7.317	7.317	0.000	96	456520	25.0	24.2	
88 Ethylbenzene	91	7.379	7.379	0.000	98	747107	25.0	23.8	
90 m-Xylene & p-Xylene	106	7.472	7.472	0.000	0	308888		24.2	
91 o-Xylene	106	7.794	7.794	0.000	96	301942		23.8	
92 Styrene	104	7.804	7.804	0.000	94	478781	25.0	23.8	
93 Bromoform	173	7.990	7.990	0.000	96	87451	25.0	23.5	
95 Isopropylbenzene	105	8.073	8.073	0.000	95	807230	25.0	23.8	
98 1,1,2,2-Tetrachloroethane	83	8.363	8.364	-0.001	99	160628	25.0	23.0	
110 1,3-Dichlorobenzene	146	9.110	9.110	0.000	99	436366	25.0	25.3	
113 1,4-Dichlorobenzene	146	9.182	9.182	0.000	96	441871	25.0	25.1	
116 1,2-Dichlorobenzene	146	9.493	9.493	0.000	99	429705	25.0	25.4	
117 1,2-Dibromo-3-Chloropropan	75	10.156	10.156	0.000	87	26032	25.0	20.2	
119 1,2,4-Trichlorobenzene	180	10.820	10.820	0.000	95	306283	25.0	24.2	
S 126 Xylenes, Total	1				0			48.0	

Reagents:

8260 CORP mix_00061	Amount Added: 12.50	Units: uL	
GAS CORP mix_00130	Amount Added: 12.50	Units: uL	
T_8260_Surr_00117	Amount Added: 1.00	Units: uL	Run Reagent
T_8260_IS_00119	Amount Added: 1.00	Units: uL	Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4026.D

Injection Date: 11-Jan-2016 20:23:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-93630-A-3 MS

Worklist Smp#: 26

Client ID:

Purge Vol: 5.000 mL

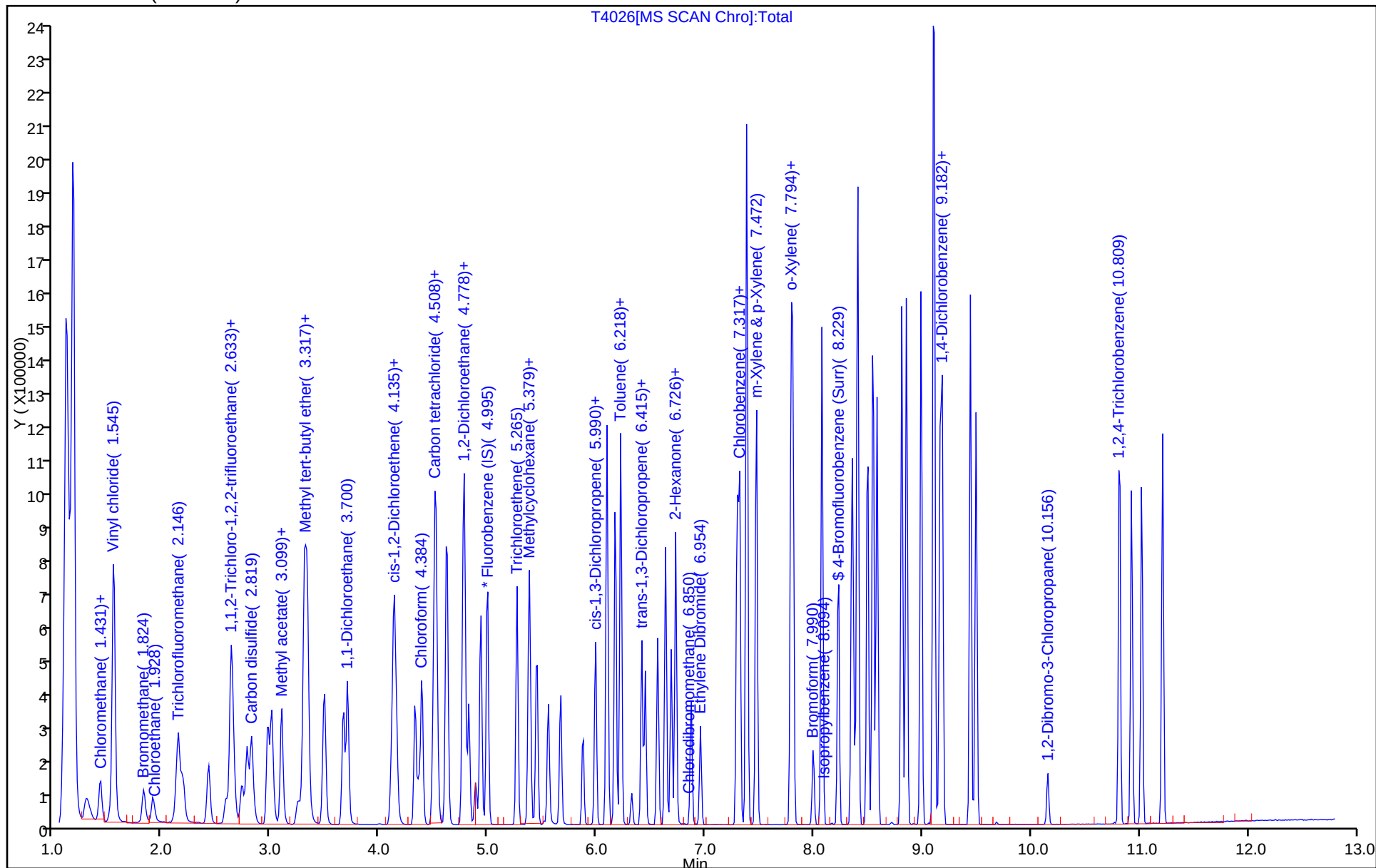
Dil. Factor: 100.0000

ALS Bottle#: 76

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-13D MS</u>	Lab Sample ID: <u>480-93630-14 MS</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>C60684.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/06/2016 13:45</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/13/2016 07:27</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (30)</u> ID: <u>0.53 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>283295</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	235		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	237		10	2.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	237		10	3.1
79-00-5	1,1,2-Trichloroethane	258		10	2.3
75-34-3	1,1-Dichloroethane	256		10	3.8
75-35-4	1,1-Dichloroethene	238		10	2.9
120-82-1	1,2,4-Trichlorobenzene	242		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	189		10	3.9
106-93-4	1,2-Dibromoethane	254		10	7.3
95-50-1	1,2-Dichlorobenzene	239		10	7.9
107-06-2	1,2-Dichloroethane	217		10	2.1
78-87-5	1,2-Dichloropropane	258		10	7.2
541-73-1	1,3-Dichlorobenzene	240		10	7.8
106-46-7	1,4-Dichlorobenzene	241		10	8.4
78-93-3	2-Butanone (MEK)	2190		100	13
591-78-6	2-Hexanone	1070		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	1070		50	21
67-64-1	Acetone	1290		100	30
71-43-2	Benzene	259		10	4.1
75-27-4	Bromodichloromethane	245		10	3.9
75-25-2	Bromoform	273		10	2.6
74-83-9	Bromomethane	259		10	6.9
75-15-0	Carbon disulfide	237		10	1.9
56-23-5	Carbon tetrachloride	243		10	2.7
108-90-7	Chlorobenzene	262		10	7.5
75-00-3	Chloroethane	284		10	3.2
67-66-3	Chloroform	233		10	3.4
74-87-3	Chloromethane	191		10	3.5
156-59-2	cis-1,2-Dichloroethene	271		10	8.1
10061-01-5	cis-1,3-Dichloropropene	241		10	3.6
110-82-7	Cyclohexane	235		10	1.8
124-48-1	Dibromochloromethane	249		10	3.2
75-71-8	Dichlorodifluoromethane	206		10	6.8
100-41-4	Ethylbenzene	243		10	7.4
98-82-8	Isopropylbenzene	215		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Client Sample ID: MW-13D MS Lab Sample ID: 480-93630-14 MS
 Matrix: Ground Water Lab File ID: C60684.D
 Analysis Method: 8260C Date Collected: 01/06/2016 13:45
 Sample wt/vol: 5 (mL) Date Analyzed: 01/13/2016 07:27
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: ZB-624 (30) ID: 0.53 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 283295 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	1110		25	13
1634-04-4	Methyl tert-butyl ether	228		10	1.6
108-87-2	Methylcyclohexane	241		10	1.6
75-09-2	Methylene Chloride	261		10	4.4
100-42-5	Styrene	255		10	7.3
127-18-4	Tetrachloroethene	281		10	3.6
108-88-3	Toluene	256		10	5.1
156-60-5	trans-1,2-Dichloroethene	256		10	9.0
10061-02-6	trans-1,3-Dichloropropene	236		10	3.7
79-01-6	Trichloroethene	260		10	4.6
75-69-4	Trichlorofluoromethane	240		10	8.8
75-01-4	Vinyl chloride	248		10	9.0
1330-20-7	Xylenes, Total	518		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		66-137
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
2037-26-5	Toluene-d8 (Surr)	103		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60684.D
 Lims ID: 480-93630-C-14 MS
 Client ID:
 Sample Type: MS
 Inject. Date: 13-Jan-2016 07:27:30 ALS Bottle#: 70 Worklist Smp#: 25
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-93630-C-14 MS
 Misc. Info.: 480-0049899-025
 Operator ID: SO Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 13-Jan-2016 10:41:44 Calib Date: 11-Dec-2015 22:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: goliszekg

Date: 13-Jan-2016 08:57:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	99	95542	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	86	208119	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.792	-0.012	94	229371	25.0	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	73237	25.0	24.1	
\$ 5 Toluene-d8 (Surr)	98	10.591	10.590	0.001	93	452126	25.0	25.8	
\$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	93	161838	25.0	26.8	
10 Dichlorodifluoromethane	85	4.436	4.436	0.000	100	203548	25.0	20.6	
12 Chloromethane	50	4.839	4.839	0.000	99	198680	25.0	19.1	
13 Vinyl chloride	62	5.076	5.076	0.000	98	223248	25.0	24.8	
14 Bromomethane	94	5.681	5.681	0.000	93	160036	25.0	25.9	
15 Chloroethane	64	5.823	5.823	0.000	99	163392	25.0	28.4	
17 Trichlorofluoromethane	101	6.155	6.155	0.000	98	343174	25.0	24.0	
21 1,1,2-Trichloro-1,2,2-trif	101	6.737	6.748	-0.012	92	187340	25.0	23.7	
22 1,1-Dichloroethene	96	6.820	6.819	0.001	97	170900	25.0	23.8	
23 Acetone	43	6.867	6.879	-0.012	99	283738	125.0	128.6	
26 Carbon disulfide	76	7.128	7.140	-0.012	99	671332	25.0	23.7	
27 Methyl acetate	43	7.163	7.163	0.000	97	616789	125.0	111.1	
30 Methylene Chloride	84	7.341	7.341	0.000	94	205471	25.0	26.1	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	96	522220	25.0	22.8	
34 trans-1,2-Dichloroethene	96	7.567	7.567	0.000	97	195777	25.0	25.6	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	96	376701	25.0	25.6	
43 2-Butanone (MEK)	43	8.420	8.432	-0.012	100	734646	125.0	219.4	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	86	228634	25.0	27.1	
50 Chloroform	83	8.705	8.705	0.000	95	350753	25.0	23.3	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	99	303163	25.0	23.5	
52 Cyclohexane	56	8.907	8.907	0.000	90	349152	25.0	23.5	
55 Carbon tetrachloride	117	9.001	9.001	0.000	98	277221	25.0	24.3	
57 Benzene	78	9.179	9.179	0.000	97	773348	25.0	25.9	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	98	276774	25.0	21.7	
62 Trichloroethene	95	9.654	9.654	0.000	96	213809	25.0	26.0	
64 Methylcyclohexane	83	9.796	9.796	0.000	92	293683	25.0	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
65 1,2-Dichloropropane	63	9.867	9.867	0.000	97	203299	25.0	25.8	
68 Dichlorobromomethane	83	10.057	10.069	-0.012	99	271001	25.0	24.5	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	98	300587	25.0	24.1	
73 4-Methyl-2-pentanone (MIBK)	43	10.413	10.413	0.000	94	854097	125.0	107.3	
74 Toluene	92	10.638	10.650	-0.012	98	491745	25.0	25.6	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	93	281283	25.0	23.6	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	93	152759	25.0	25.8	
80 2-Hexanone	43	11.053	11.053	0.000	92	587190	125.0	106.7	
81 Tetrachloroethene	166	11.089	11.088	0.001	98	254526	25.0	28.1	
83 Chlorodibromomethane	129	11.338	11.338	0.000	89	215644	25.0	24.9	
84 Ethylene Dibromide	107	11.468	11.480	-0.012	98	193562	25.0	25.4	
87 Chlorobenzene	112	11.800	11.800	0.000	90	592614	25.0	26.2	
88 Ethylbenzene	91	11.800	11.812	-0.012	95	931688	25.0	24.3	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	387980		26.1	
91 o-Xylene	106	12.239	12.239	0.000	94	382458		25.7	
92 Styrene	104	12.239	12.251	-0.012	92	618994	25.0	25.5	
94 Isopropylbenzene	105	12.500	12.500	0.000	96	957802	25.0	21.5	
95 Bromoform	173	12.523	12.523	0.000	96	139214	25.0	27.3	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	96	244972	25.0	23.7	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	98	530773	25.0	24.0	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	97	547794	25.0	24.1	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	99	514689	25.0	23.9	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.120	-0.011	87	41898	25.0	18.9	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	95	350610	25.0	24.2	
S 124 Xylenes, Total	1				0			51.8	

Reagents:

8260 CORP mix_00061

Amount Added: 12.50

Units: uL

GAS CORP mix_00130

Amount Added: 12.50

Units: uL

C_8260_IS_00066

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00069

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5973C\\20160112-49899.b\\C60684.D

Injection Date: 13-Jan-2016 07:27:30

Instrument ID: HP5973C

Operator ID: SO

Lims ID: 480-93630-C-14 MS

Worklist Smp#: 25

Client ID:

Purge Vol: 5.000 mL

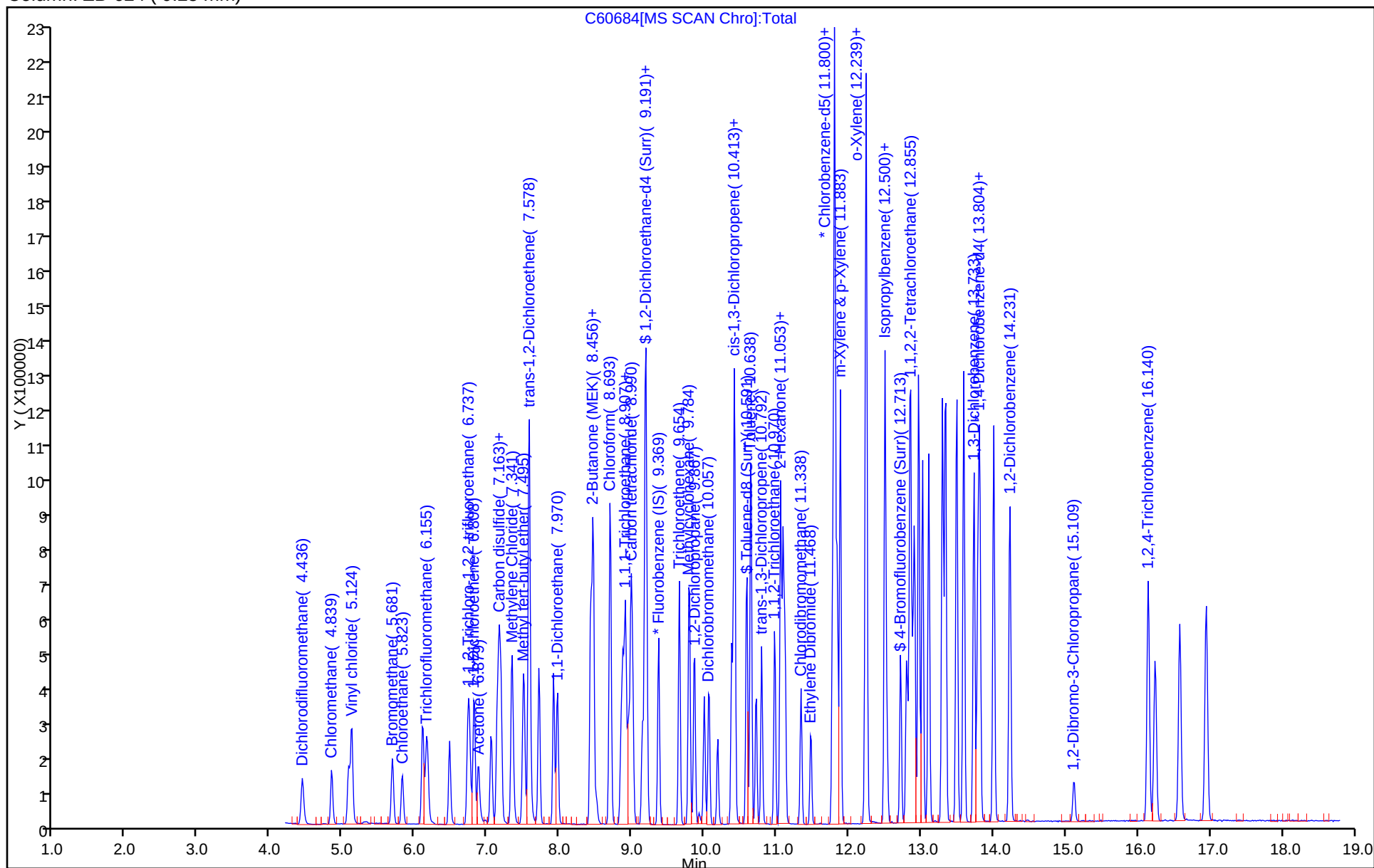
Dil. Factor: 10.0000

ALS Bottle#: 70

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-4 MSD</u>	Lab Sample ID: <u>480-93630-3 MSD</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>T4027.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/06/2016 13:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/11/2016 20:47</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>100</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (60)</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>282953</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2440		100	82
79-34-5	1,1,2,2-Tetrachloroethane	2290		100	21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2410		100	31
79-00-5	1,1,2-Trichloroethane	2220		100	23
75-34-3	1,1-Dichloroethane	2510		100	38
75-35-4	1,1-Dichloroethene	2270		100	29
120-82-1	1,2,4-Trichlorobenzene	2310		100	41
96-12-8	1,2-Dibromo-3-Chloropropane	2030		100	39
106-93-4	1,2-Dibromoethane	2360		100	73
95-50-1	1,2-Dichlorobenzene	2410		100	79
107-06-2	1,2-Dichloroethane	2460		100	21
78-87-5	1,2-Dichloropropane	2250		100	72
541-73-1	1,3-Dichlorobenzene	2430		100	78
106-46-7	1,4-Dichlorobenzene	2440		100	84
78-93-3	2-Butanone (MEK)	13000		1000	130
591-78-6	2-Hexanone	11200		500	120
108-10-1	4-Methyl-2-pentanone (MIBK)	10900		500	210
67-64-1	Acetone	14000		1000	300
71-43-2	Benzene	2290		100	41
75-27-4	Bromodichloromethane	2440		100	39
75-25-2	Bromoform	2390		100	26
74-83-9	Bromomethane	2530		100	69
75-15-0	Carbon disulfide	2170		100	19
56-23-5	Carbon tetrachloride	2440		100	27
108-90-7	Chlorobenzene	2320		100	75
75-00-3	Chloroethane	2580		100	32
67-66-3	Chloroform	2380		100	34
74-87-3	Chloromethane	1990		100	35
156-59-2	cis-1,2-Dichloroethene	2550		100	81
10061-01-5	cis-1,3-Dichloropropene	2300		100	36
110-82-7	Cyclohexane	2140		100	18
124-48-1	Dibromochloromethane	2350		100	32
75-71-8	Dichlorodifluoromethane	2140		100	68
100-41-4	Ethylbenzene	2250		100	74
98-82-8	Isopropylbenzene	2240		100	79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1

SDG No.: _____

Client Sample ID: MW-4 MSD Lab Sample ID: 480-93630-3 MSD

Matrix: Ground Water Lab File ID: T4027.D

Analysis Method: 8260C Date Collected: 01/06/2016 13:10

Sample wt/vol: 5 (mL) Date Analyzed: 01/11/2016 20:47

Soil Aliquot Vol: _____ Dilution Factor: 100

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 282953 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	12000		250	130
1634-04-4	Methyl tert-butyl ether	2330		100	16
108-87-2	Methylcyclohexane	2290		100	16
75-09-2	Methylene Chloride	2580		100	44
100-42-5	Styrene	2260		100	73
127-18-4	Tetrachloroethene	2380		100	36
108-88-3	Toluene	2160		100	51
156-60-5	trans-1,2-Dichloroethene	2450		100	90
10061-02-6	trans-1,3-Dichloropropene	2080		100	37
79-01-6	Trichloroethene	2460		100	46
75-69-4	Trichlorofluoromethane	2780		100	88
75-01-4	Vinyl chloride	7830		100	90
1330-20-7	Xylenes, Total	4590		200	66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		66-137
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T4027.D
 Lims ID: 480-93630-A-3 MSD
 Client ID:
 Sample Type: MSD
 Inject. Date: 11-Jan-2016 20:47:30 ALS Bottle#: 77 Worklist Smp#: 27
 Purge Vol: 5.000 mL Dil. Factor: 100.0000
 Sample Info: 480-93630-A-3 MSD
 Misc. Info.: 480-0049838-027
 Operator ID: gtg Instrument ID: HP5975T
 Method: \\ChromNA\Buffalo\ChromData\HP5975T\20160111-49838.b\T-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 11-Jan-2016 22:27:47 Calib Date: 31-Dec-2015 23:21:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5975T\20151231-49677.b\T3705.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: fortaing

Date: 11-Jan-2016 21:07:50

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	4.985	4.985	0.000	99	97721	25.0	25.0	
* 2 Chlorobenzene-d5	117	7.296	7.296	0.000	84	436406	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.161	9.162	-0.001	94	243803	25.0	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	65	4.757	4.757	0.000	0	148961	25.0	28.7	
\$ 6 Toluene-d8 (Surr)	98	6.167	6.167	-0.001	93	500946	25.0	25.5	
\$ 7 4-Bromofluorobenzene (Surr	174	8.229	8.229	0.000	95	192254	25.0	26.0	
11 Dichlorodifluoromethane	85	1.296	1.306	-0.010	99	159880	25.0	21.4	
13 Chloromethane	50	1.420	1.420	0.000	99	150395	25.0	19.9	
14 Vinyl chloride	62	1.545	1.545	0.000	98	572128	25.0	78.3	
15 Bromomethane	94	1.814	1.824	-0.010	93	68151	25.0	25.3	
16 Chloroethane	64	1.897	1.907	-0.010	99	71669	25.0	25.8	
17 Trichlorofluoromethane	101	2.177	2.187	-0.010	98	222304	25.0	27.8	
22 1,1-Dichloroethene	96	2.622	2.633	-0.011	97	132592	25.0	22.7	
20 1,1,2-Trichloro-1,2,2-trif	101	2.633	2.643	-0.010	91	139668	25.0	24.1	
23 Acetone	43	2.726	2.726	0.000	100	186186	125.0	139.7	
25 Carbon disulfide	76	2.809	2.819	-0.010	100	384129	25.0	21.7	
28 Methyl acetate	43	2.995	3.006	-0.011	98	476652	125.0	120.1	
30 Methylene Chloride	84	3.089	3.099	-0.010	95	151414	25.0	25.8	
32 trans-1,2-Dichloroethene	96	3.306	3.306	0.000	98	154060	25.0	24.5	
33 Methyl tert-butyl ether	73	3.296	3.306	-0.010	97	391224	25.0	23.3	
36 1,1-Dichloroethane	63	3.659	3.669	-0.010	97	292629	25.0	25.1	
43 cis-1,2-Dichloroethene	96	4.135	4.135	0.000	85	177058	25.0	25.5	
44 2-Butanone (MEK)	43	4.156	4.156	0.000	100	278582	125.0	129.5	
50 Chloroform	83	4.384	4.384	0.000	96	255245	25.0	23.8	
51 1,1,1-Trichloroethane	97	4.498	4.498	0.000	98	240853	25.0	24.4	
52 Cyclohexane	56	4.519	4.519	0.000	92	256320	25.0	21.4	
53 Carbon tetrachloride	117	4.612	4.612	0.000	93	217225	25.0	24.4	
55 Benzene	78	4.778	4.778	0.000	98	553691	25.0	22.9	
57 1,2-Dichloroethane	62	4.819	4.819	0.000	98	227061	25.0	24.6	
60 Trichloroethene	95	5.265	5.265	0.000	94	154634	25.0	24.6	
62 Methylcyclohexane	83	5.379	5.379	0.000	93	239786	25.0	22.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
63 1,2-Dichloropropane	63	5.441	5.441	0.000	92	147207	25.0	22.5	
67 Dichlorobromomethane	83	5.669	5.669	0.000	98	188257	25.0	24.4	
71 cis-1,3-Dichloropropene	75	5.990	5.990	0.000	92	218803	25.0	23.0	
72 4-Methyl-2-pentanone (MIBK)	43	6.094	6.094	0.000	96	615488	125.0	108.7	
73 Toluene	92	6.218	6.218	0.000	98	370759	25.0	21.6	
75 trans-1,3-Dichloropropene	75	6.415	6.415	0.000	97	198668	25.0	20.8	
78 1,1,2-Trichloroethane	83	6.560	6.560	0.000	92	106314	25.0	22.2	
79 Tetrachloroethene	166	6.633	6.633	0.000	98	185019	25.0	23.8	
81 2-Hexanone	43	6.726	6.726	0.000	95	425629	125.0	112.1	
82 Chlorodibromomethane	129	6.871	6.871	0.000	89	162040	25.0	23.5	
83 Ethylene Dibromide	107	6.954	6.954	0.000	97	147086	25.0	23.6	
86 Chlorobenzene	112	7.317	7.317	0.000	96	449874	25.0	23.2	
88 Ethylbenzene	91	7.379	7.379	0.000	98	725943	25.0	22.5	
90 m-Xylene & p-Xylene	106	7.472	7.472	0.000	0	301077		23.0	
91 o-Xylene	106	7.793	7.794	-0.001	96	299450		22.9	
92 Styrene	104	7.804	7.804	0.000	94	467207	25.0	22.6	
93 Bromoform	173	7.990	7.990	0.000	95	91181	25.0	23.9	
95 Isopropylbenzene	105	8.073	8.073	0.000	95	779673	25.0	22.4	
98 1,1,2,2-Tetrachloroethane	83	8.363	8.364	-0.001	97	163599	25.0	22.9	
110 1,3-Dichlorobenzene	146	9.110	9.110	0.000	99	430383	25.0	24.3	
113 1,4-Dichlorobenzene	146	9.182	9.182	0.000	96	439404	25.0	24.4	
116 1,2-Dichlorobenzene	146	9.493	9.493	0.000	98	417758	25.0	24.1	
117 1,2-Dibromo-3-Chloropropan	75	10.156	10.156	0.000	87	26822	25.0	20.3	
119 1,2,4-Trichlorobenzene	180	10.820	10.820	0.000	95	299530	25.0	23.1	
S 126 Xylenes, Total	1				0			45.9	

Reagents:

8260 CORP mix_00061

Amount Added: 12.50

Units: uL

GAS CORP mix_00130

Amount Added: 12.50

Units: uL

T_8260_Surr_00117

Amount Added: 1.00

Units: uL

Run Reagent

T_8260_IS_00119

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\\Buffalo\\ChromData\\HP5975T\\20160111-49838.b\\T4027.D

Injection Date: 11-Jan-2016 20:47:30

Instrument ID: HP5975T

Operator ID: gtg

Lims ID: 480-93630-A-3 MSD

Worklist Smp#: 27

Client ID:

Purge Vol: 5.000 mL

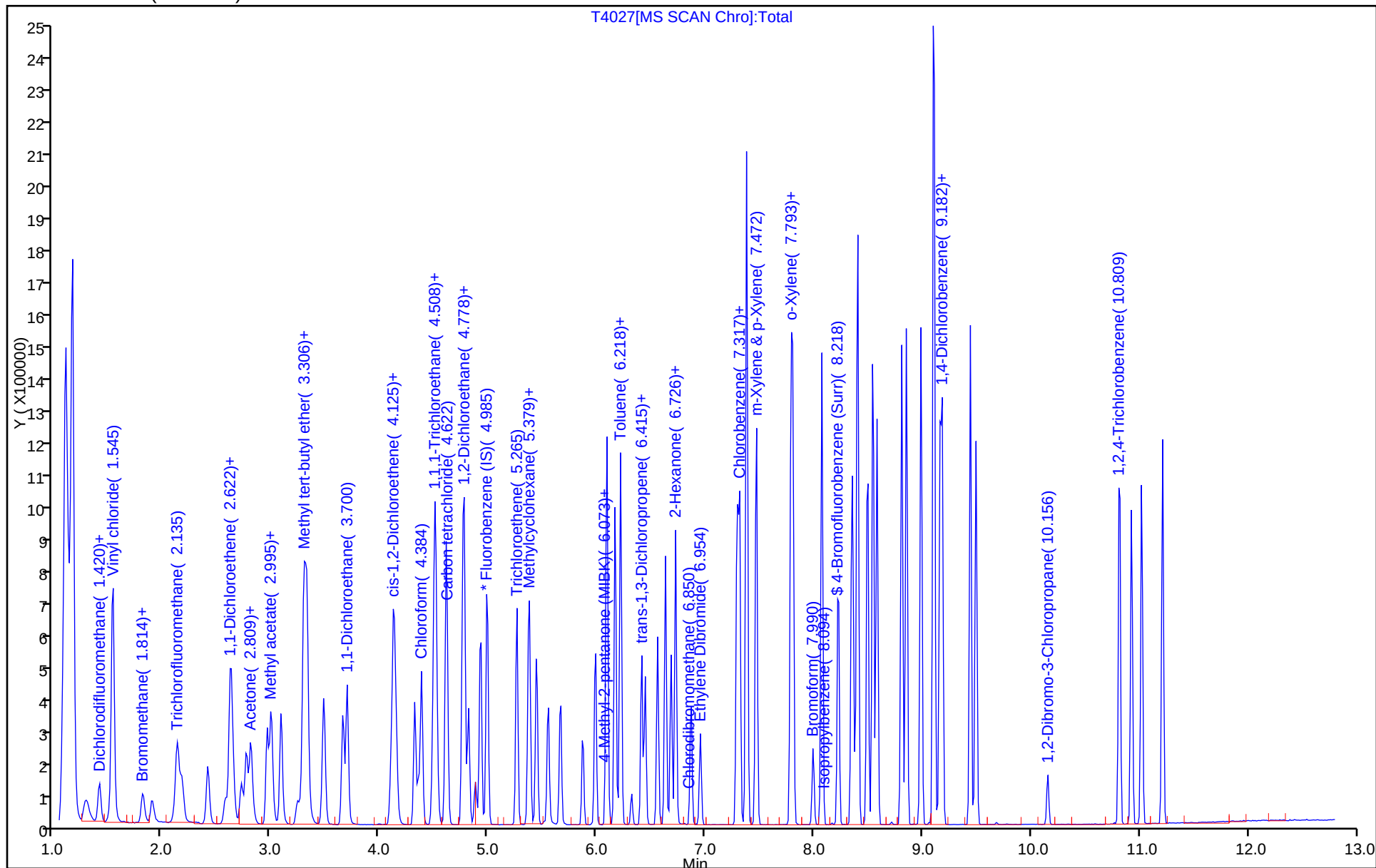
Dil. Factor: 100.0000

ALS Bottle#: 77

Method: T-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-93630-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-13D MSD</u>	Lab Sample ID: <u>480-93630-14 MSD</u>
Matrix: <u>Ground Water</u>	Lab File ID: <u>C60685.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>01/06/2016 13:45</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>01/13/2016 07:53</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (30)</u> ID: <u>0.53 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>283295</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	225		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	242		10	2.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	228		10	3.1
79-00-5	1,1,2-Trichloroethane	256		10	2.3
75-34-3	1,1-Dichloroethane	247		10	3.8
75-35-4	1,1-Dichloroethene	232		10	2.9
120-82-1	1,2,4-Trichlorobenzene	247		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	193		10	3.9
106-93-4	1,2-Dibromoethane	257		10	7.3
95-50-1	1,2-Dichlorobenzene	241		10	7.9
107-06-2	1,2-Dichloroethane	216		10	2.1
78-87-5	1,2-Dichloropropane	257		10	7.2
541-73-1	1,3-Dichlorobenzene	245		10	7.8
106-46-7	1,4-Dichlorobenzene	243		10	8.4
78-93-3	2-Butanone (MEK)	2160		100	13
591-78-6	2-Hexanone	1070		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	1080		50	21
67-64-1	Acetone	1250		100	30
71-43-2	Benzene	250		10	4.1
75-27-4	Bromodichloromethane	234		10	3.9
75-25-2	Bromoform	273		10	2.6
74-83-9	Bromomethane	246		10	6.9
75-15-0	Carbon disulfide	227		10	1.9
56-23-5	Carbon tetrachloride	239		10	2.7
108-90-7	Chlorobenzene	261		10	7.5
75-00-3	Chloroethane	274		10	3.2
67-66-3	Chloroform	225		10	3.4
74-87-3	Chloromethane	182		10	3.5
156-59-2	cis-1,2-Dichloroethene	256		10	8.1
10061-01-5	cis-1,3-Dichloropropene	233		10	3.6
110-82-7	Cyclohexane	225		10	1.8
124-48-1	Dibromochloromethane	252		10	3.2
75-71-8	Dichlorodifluoromethane	193		10	6.8
100-41-4	Ethylbenzene	239		10	7.4
98-82-8	Isopropylbenzene	219		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-93630-1
 SDG No.: _____
 Client Sample ID: MW-13D MSD Lab Sample ID: 480-93630-14 MSD
 Matrix: Ground Water Lab File ID: C60685.D
 Analysis Method: 8260C Date Collected: 01/06/2016 13:45
 Sample wt/vol: 5 (mL) Date Analyzed: 01/13/2016 07:53
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: ZB-624 (30) ID: 0.53 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 283295 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	1090		25	13
1634-04-4	Methyl tert-butyl ether	224		10	1.6
108-87-2	Methylcyclohexane	228		10	1.6
75-09-2	Methylene Chloride	254		10	4.4
100-42-5	Styrene	252		10	7.3
127-18-4	Tetrachloroethene	274		10	3.6
108-88-3	Toluene	253		10	5.1
156-60-5	trans-1,2-Dichloroethene	245		10	9.0
10061-02-6	trans-1,3-Dichloropropene	237		10	3.7
79-01-6	Trichloroethene	244		10	4.6
75-69-4	Trichlorofluoromethane	228		10	8.8
75-01-4	Vinyl chloride	241		10	9.0
1330-20-7	Xylenes, Total	508		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		66-137
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
2037-26-5	Toluene-d8 (Surr)	104		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60685.D
 Lims ID: 480-93630-C-14 MSD
 Client ID:
 Sample Type: MSD
 Inject. Date: 13-Jan-2016 07:53:30 ALS Bottle#: 71 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 480-93630-C-14 MSD
 Misc. Info.: 480-0049899-026
 Operator ID: SO Instrument ID: HP5973C
 Method: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 13-Jan-2016 10:41:44 Calib Date: 11-Dec-2015 22:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\ChromNA\Buffalo\ChromData\HP5973C\20151211-49159.b\C59599.D
 Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK022

First Level Reviewer: goliszekg

Date: 13-Jan-2016 08:57:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.369	9.369	0.000	99	95864	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.776	11.776	0.000	85	204586	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.780	13.792	-0.012	94	220588	25.0	25.0	
\$ 4 1,2-Dichloroethane-d4 (Sur	67	9.144	9.144	0.000	0	74071	25.0	24.3	
\$ 5 Toluene-d8 (Surr)	98	10.591	10.590	0.001	92	448402	25.0	26.1	
\$ 6 4-Bromofluorobenzene (Surr	174	12.713	12.713	0.000	91	159546	25.0	26.9	
10 Dichlorodifluoromethane	85	4.436	4.436	0.000	99	191968	25.0	19.3	
12 Chloromethane	50	4.839	4.839	0.000	99	189898	25.0	18.2	
13 Vinyl chloride	62	5.076	5.076	0.000	98	217511	25.0	24.1	
14 Bromomethane	94	5.681	5.681	0.000	92	153083	25.0	24.6	
15 Chloroethane	64	5.823	5.823	0.000	100	157745	25.0	27.4	
17 Trichlorofluoromethane	101	6.167	6.155	0.012	98	327972	25.0	22.8	
21 1,1,2-Trichloro-1,2,2-trif	101	6.737	6.748	-0.011	93	180515	25.0	22.8	
22 1,1-Dichloroethene	96	6.820	6.819	0.001	97	166695	25.0	23.2	
23 Acetone	43	6.867	6.879	-0.012	99	276967	125.0	125.1	
26 Carbon disulfide	76	7.140	7.140	0.000	99	647516	25.0	22.7	
27 Methyl acetate	43	7.163	7.163	0.000	97	605467	125.0	108.7	
30 Methylene Chloride	84	7.341	7.341	0.000	92	200663	25.0	25.4	
32 Methyl tert-butyl ether	73	7.495	7.495	0.000	96	514611	25.0	22.4	
34 trans-1,2-Dichloroethene	96	7.567	7.567	0.000	97	187880	25.0	24.5	
39 1,1-Dichloroethane	63	7.970	7.970	0.000	97	364435	25.0	24.7	
43 2-Butanone (MEK)	43	8.420	8.432	-0.012	99	726632	125.0	216.3	
45 cis-1,2-Dichloroethene	96	8.468	8.468	0.000	86	216149	25.0	25.6	
50 Chloroform	83	8.705	8.705	0.000	95	341076	25.0	22.5	
51 1,1,1-Trichloroethane	97	8.871	8.871	0.000	99	291451	25.0	22.5	
52 Cyclohexane	56	8.907	8.907	0.000	90	334933	25.0	22.5	
55 Carbon tetrachloride	117	9.001	9.001	0.000	96	273876	25.0	23.9	
57 Benzene	78	9.179	9.179	0.000	97	749988	25.0	25.0	
58 1,2-Dichloroethane	62	9.203	9.203	0.000	97	276599	25.0	21.6	
62 Trichloroethene	95	9.654	9.654	0.000	95	201380	25.0	24.4	
64 Methylcyclohexane	83	9.796	9.796	0.000	92	277854	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
65 1,2-Dichloropropane	63	9.867	9.867	0.000	96	202773	25.0	25.7	
68 Dichlorobromomethane	83	10.057	10.069	-0.012	99	259433	25.0	23.4	
72 cis-1,3-Dichloropropene	75	10.377	10.377	0.000	98	291854	25.0	23.3	
73 4-Methyl-2-pentanone (MIBK)	43	10.413	10.413	0.000	94	841707	125.0	107.6	
74 Toluene	92	10.638	10.650	-0.012	99	478465	25.0	25.3	
77 trans-1,3-Dichloropropene	75	10.792	10.792	0.000	92	277450	25.0	23.7	
79 1,1,2-Trichloroethane	83	10.970	10.970	0.000	94	149129	25.0	25.6	
80 2-Hexanone	43	11.053	11.053	0.000	93	581138	125.0	107.4	
81 Tetrachloroethene	166	11.089	11.088	0.001	98	243863	25.0	27.4	
83 Chlorodibromomethane	129	11.338	11.338	0.000	89	214322	25.0	25.2	
84 Ethylene Dibromide	107	11.468	11.480	-0.012	97	192520	25.0	25.7	
87 Chlorobenzene	112	11.800	11.800	0.000	90	578858	25.0	26.1	
88 Ethylbenzene	91	11.800	11.812	-0.012	96	900126	25.0	23.9	
90 m-Xylene & p-Xylene	106	11.883	11.883	0.000	0	371702		25.5	
91 o-Xylene	106	12.239	12.239	0.000	97	370621		25.3	
92 Styrene	104	12.251	12.251	0.000	94	600389	25.0	25.2	
94 Isopropylbenzene	105	12.500	12.500	0.000	95	937696	25.0	21.9	
95 Bromoform	173	12.523	12.523	0.000	94	136614	25.0	27.3	
97 1,1,2,2-Tetrachloroethane	83	12.796	12.796	0.000	96	240469	25.0	24.2	
111 1,3-Dichlorobenzene	146	13.733	13.733	0.000	98	519522	25.0	24.5	
113 1,4-Dichlorobenzene	146	13.816	13.816	0.000	96	531213	25.0	24.3	
116 1,2-Dichlorobenzene	146	14.231	14.231	0.000	98	499165	25.0	24.1	
117 1,2-Dibromo-3-Chloropropan	75	15.109	15.120	-0.011	89	41228	25.0	19.3	
119 1,2,4-Trichlorobenzene	180	16.140	16.140	0.000	94	344285	25.0	24.7	
S 124 Xylenes, Total	1				0			50.8	

Reagents:

8260 CORP mix_00061

Amount Added: 12.50

Units: uL

GAS CORP mix_00130

Amount Added: 12.50

Units: uL

C_8260_IS_00066

Amount Added: 1.00

Units: uL

Run Reagent

C_8260_Surr_00069

Amount Added: 1.00

Units: uL

Run Reagent

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20160112-49899.b\C60685.D

Injection Date: 13-Jan-2016 07:53:30

Instrument ID: HP5973C

Operator ID: SO

Lims ID: 480-93630-C-14 MSD

Worklist Smp#: 26

Client ID:

Purge Vol: 5.000 mL

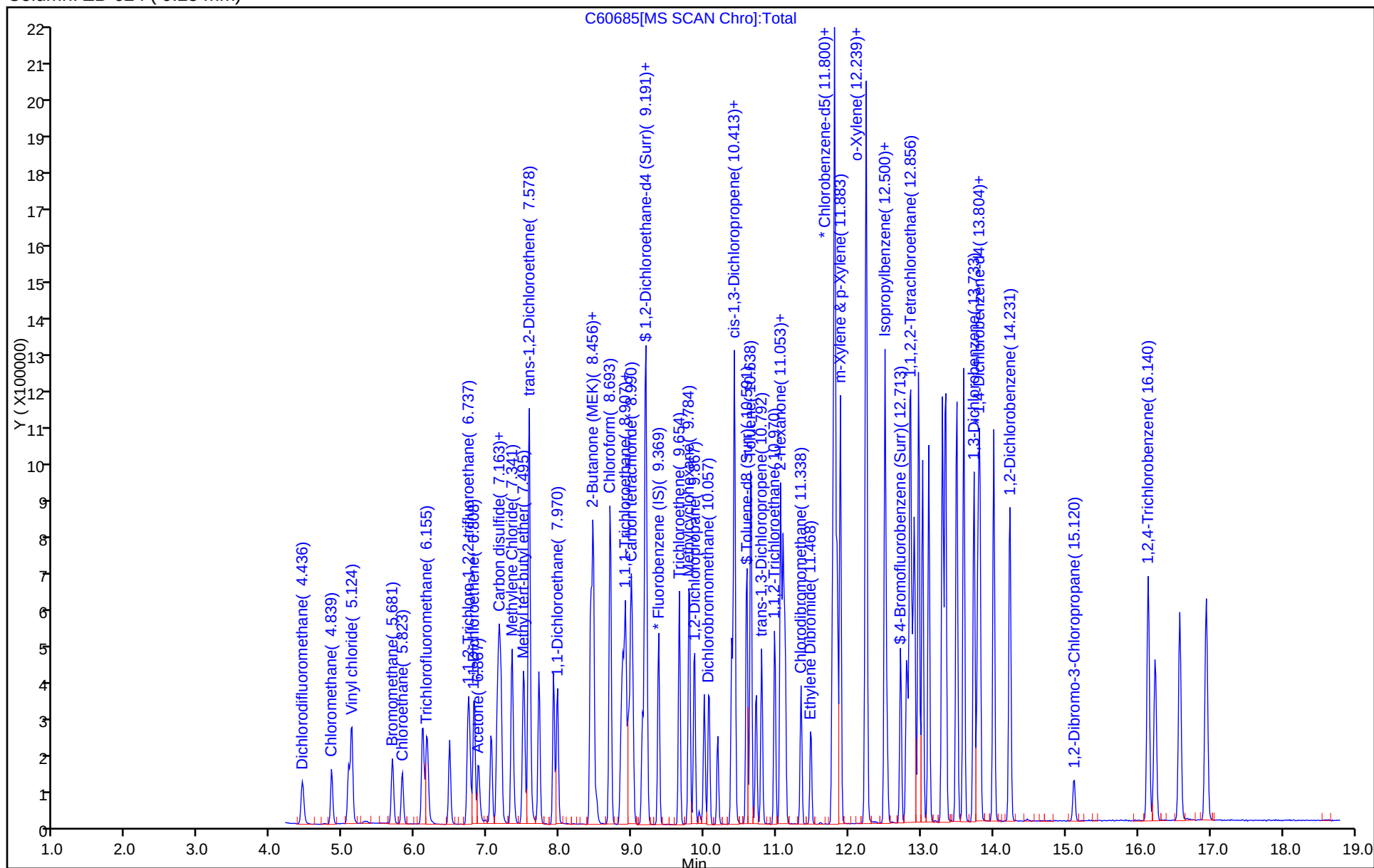
Dil. Factor: 10.0000

ALS Bottle#: 71

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-93630-1

SDG No.: _____

Instrument ID: HP5973CStart Date: 12/11/2015 13:23Analysis Batch Number: 279331End Date: 12/12/2015 00:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-279331/2		12/11/2015 13:23	1	C59579.D	ZB-624 (30) 0.53 (mm)
IC 480-279331/4		12/11/2015 14:15	1	C59581.D	ZB-624 (30) 0.53 (mm)
IC 480-279331/5		12/11/2015 14:41	1	C59582.D	ZB-624 (30) 0.53 (mm)
IC 480-279331/6		12/11/2015 15:07	1	C59583.D	ZB-624 (30) 0.53 (mm)
IC 480-279331/7		12/11/2015 15:58	1	C59584.D	ZB-624 (30) 0.53 (mm)
IC 480-279331/8		12/11/2015 16:23	1	C59585.D	ZB-624 (30) 0.53 (mm)
ICIS 480-279331/9		12/11/2015 16:49	1	C59586.D	ZB-624 (30) 0.53 (mm)
IC 480-279331/10		12/11/2015 17:15	1	C59587.D	ZB-624 (30) 0.53 (mm)
IC 480-279331/11		12/11/2015 17:40	1	C59588.D	ZB-624 (30) 0.53 (mm)
MDLV 480-279331/13		12/11/2015 18:32	1		ZB-624 (30) 0.53 (mm)
MDLV 480-279331/14		12/11/2015 18:57	1		ZB-624 (30) 0.53 (mm)
IC 480-279331/16		12/11/2015 19:49	1		ZB-624 (30) 0.53 (mm)
IC 480-279331/17		12/11/2015 20:14	1		ZB-624 (30) 0.53 (mm)
IC 480-279331/18		12/11/2015 20:40	1		ZB-624 (30) 0.53 (mm)
IC 480-279331/19		12/11/2015 21:06	1		ZB-624 (30) 0.53 (mm)
IC 480-279331/20		12/11/2015 21:32	1		ZB-624 (30) 0.53 (mm)
IC 480-279331/21		12/11/2015 21:58	1		ZB-624 (30) 0.53 (mm)
IC 480-279331/22		12/11/2015 22:23	1		ZB-624 (30) 0.53 (mm)
MDLV 480-279331/24		12/11/2015 23:15	1		ZB-624 (30) 0.53 (mm)
ICV 480-279331/25		12/11/2015 23:40	1		ZB-624 (30) 0.53 (mm)
ICV 480-279331/26		12/12/2015 00:06	1		ZB-624 (30) 0.53 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-93630-1

SDG No.: _____

Instrument ID: HP5973CStart Date: 01/12/2016 21:04Analysis Batch Number: 283295End Date: 01/13/2016 07:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-283295/1		01/12/2016 21:04	1	C60660.D	ZB-624 (30) 0.53 (mm)
CCVIS 480-283295/2		01/12/2016 21:32	1	C60661.D	ZB-624 (30) 0.53 (mm)
CCV 480-283295/3		01/12/2016 21:58	1	C60662.D	ZB-624 (30) 0.53 (mm)
LCS 480-283295/4		01/12/2016 22:23	1	C60663.D	ZB-624 (30) 0.53 (mm)
RL 480-283295/5		01/12/2016 22:48	1		ZB-624 (30) 0.53 (mm)
MB 480-283295/6		01/12/2016 23:13	1	C60665.D	ZB-624 (30) 0.53 (mm)
ZZZZZ		01/12/2016 23:52	50		ZB-624 (30) 0.53 (mm)
ZZZZZ		01/13/2016 00:17	10		ZB-624 (30) 0.53 (mm)
ZZZZZ		01/13/2016 00:42	100		ZB-624 (30) 0.53 (mm)
ZZZZZ		01/13/2016 01:07	40		ZB-624 (30) 0.53 (mm)
ZZZZZ		01/13/2016 01:32	20		ZB-624 (30) 0.53 (mm)
ZZZZZ		01/13/2016 01:57	5		ZB-624 (30) 0.53 (mm)
ZZZZZ		01/13/2016 02:22	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		01/13/2016 02:48	4		ZB-624 (30) 0.53 (mm)
480-93630-14		01/13/2016 03:13	10	C60674.D	ZB-624 (30) 0.53 (mm)
ZZZZZ		01/13/2016 03:39	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		01/13/2016 04:04	100		ZB-624 (30) 0.53 (mm)
ZZZZZ		01/13/2016 04:30	5		ZB-624 (30) 0.53 (mm)
ZZZZZ		01/13/2016 04:55	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		01/13/2016 05:21	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		01/13/2016 05:46	5		ZB-624 (30) 0.53 (mm)
ZZZZZ		01/13/2016 06:11	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		01/13/2016 06:36	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		01/13/2016 07:02	1		ZB-624 (30) 0.53 (mm)
480-93630-14 MS		01/13/2016 07:27	10	C60684.D	ZB-624 (30) 0.53 (mm)
480-93630-14 MSD		01/13/2016 07:53	10	C60685.D	ZB-624 (30) 0.53 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-93630-1

SDG No.: _____

Instrument ID: HP5975TStart Date: 12/31/2015 15:25Analysis Batch Number: 282070End Date: 01/01/2016 00:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-282070/2		12/31/2015 15:25	1	T3685.D	ZB-624 (60) 0.25 (mm)
IC 480-282070/4		12/31/2015 16:15	1	T3687.D	ZB-624 (60) 0.25 (mm)
IC 480-282070/5		12/31/2015 16:39	1	T3688.D	ZB-624 (60) 0.25 (mm)
IC 480-282070/6		12/31/2015 17:02	1	T3689.D	ZB-624 (60) 0.25 (mm)
IC 480-282070/7		12/31/2015 17:26	1	T3690.D	ZB-624 (60) 0.25 (mm)
IC 480-282070/8		12/31/2015 17:49	1	T3691.D	ZB-624 (60) 0.25 (mm)
ICIS 480-282070/9		12/31/2015 18:13	1	T3692.D	ZB-624 (60) 0.25 (mm)
IC 480-282070/10		12/31/2015 18:37	1	T3693.D	ZB-624 (60) 0.25 (mm)
IC 480-282070/11		12/31/2015 19:00	1	T3694.D	ZB-624 (60) 0.25 (mm)
MDLV 480-282070/13		12/31/2015 19:48	1		ZB-624 (60) 0.25 (mm)
IC 480-282070/16		12/31/2015 20:59	1		ZB-624 (60) 0.25 (mm)
IC 480-282070/17		12/31/2015 21:23	1		ZB-624 (60) 0.25 (mm)
IC 480-282070/18		12/31/2015 21:46	1		ZB-624 (60) 0.25 (mm)
IC 480-282070/19		12/31/2015 22:10	1		ZB-624 (60) 0.25 (mm)
IC 480-282070/20		12/31/2015 22:34	1		ZB-624 (60) 0.25 (mm)
IC 480-282070/21		12/31/2015 22:58	1		ZB-624 (60) 0.25 (mm)
IC 480-282070/22		12/31/2015 23:21	1		ZB-624 (60) 0.25 (mm)
MDLV 480-282070/24		01/01/2016 00:09	1		ZB-624 (60) 0.25 (mm)
ICV 480-282070/25		01/01/2016 00:32	1		ZB-624 (60) 0.25 (mm)
ICV 480-282070/26		01/01/2016 00:56	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-93630-1

SDG No.: _____

Instrument ID: HP5975TStart Date: 01/11/2016 09:17Analysis Batch Number: 282953End Date: 01/11/2016 20:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-282953/2		01/11/2016 09:17	1	T4002.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-282953/3		01/11/2016 09:41	1	T4003.D	ZB-624 (60) 0.25 (mm)
CCV 480-282953/4		01/11/2016 10:05	1		ZB-624 (60) 0.25 (mm)
LCS 480-282953/5		01/11/2016 10:28	1	T4005.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		01/11/2016 10:52	1		ZB-624 (60) 0.25 (mm)
MB 480-282953/7		01/11/2016 11:16	1	T4007.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		01/11/2016 13:14	1		ZB-624 (60) 0.25 (mm)
480-93630-16		01/11/2016 13:38	1	T4009.D	ZB-624 (60) 0.25 (mm)
480-93630-1		01/11/2016 14:02	1	T4010.D	ZB-624 (60) 0.25 (mm)
480-93630-2		01/11/2016 14:26	1	T4011.D	ZB-624 (60) 0.25 (mm)
480-93630-3		01/11/2016 14:50	100	T4012.D	ZB-624 (60) 0.25 (mm)
480-93630-4		01/11/2016 15:14	1	T4013.D	ZB-624 (60) 0.25 (mm)
480-93630-5		01/11/2016 15:38	1	T4014.D	ZB-624 (60) 0.25 (mm)
480-93630-6		01/11/2016 16:02	1	T4015.D	ZB-624 (60) 0.25 (mm)
480-93630-7		01/11/2016 16:27	1	T4016.D	ZB-624 (60) 0.25 (mm)
480-93630-8		01/11/2016 16:50	4000	T4017.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		01/11/2016 17:14	1000		ZB-624 (60) 0.25 (mm)
480-93630-10		01/11/2016 17:38	1	T4019.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		01/11/2016 18:01	25		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/11/2016 18:25	500		ZB-624 (60) 0.25 (mm)
480-93630-13		01/11/2016 18:49	1000	T4022.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		01/11/2016 19:12	100		ZB-624 (60) 0.25 (mm)
480-93630-15		01/11/2016 19:36	1	T4024.D	ZB-624 (60) 0.25 (mm)
480-93630-17		01/11/2016 20:00	500	T4025.D	ZB-624 (60) 0.25 (mm)
480-93630-3 MS		01/11/2016 20:23	100	T4026.D	ZB-624 (60) 0.25 (mm)
480-93630-3 MSD		01/11/2016 20:47	100	T4027.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-93630-1

SDG No.: _____

Instrument ID: HP5975TStart Date: 01/11/2016 21:20Analysis Batch Number: 283077End Date: 01/12/2016 07:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-283077/2		01/11/2016 21:20	1	T4029.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-283077/3		01/11/2016 21:46	1	T4030.D	ZB-624 (60) 0.25 (mm)
CCV 480-283077/4		01/11/2016 22:10	1	T4031.D	ZB-624 (60) 0.25 (mm)
LCS 480-283077/5		01/11/2016 22:34	1	T4032.D	ZB-624 (60) 0.25 (mm)
RL 480-283077/6		01/11/2016 22:58	1		ZB-624 (60) 0.25 (mm)
MB 480-283077/7		01/11/2016 23:23	1	T4034.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		01/11/2016 23:55	2		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/12/2016 00:19	2		ZB-624 (60) 0.25 (mm)
480-93630-9		01/12/2016 00:43	1	T4038.D	ZB-624 (60) 0.25 (mm)
480-93630-11		01/12/2016 01:07	5	T4039.D	ZB-624 (60) 0.25 (mm)
480-93630-12		01/12/2016 01:32	25	T4040.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		01/12/2016 01:55	25		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/12/2016 02:19	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/12/2016 02:43	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/12/2016 03:07	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/12/2016 03:31	10		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/12/2016 03:55	100		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/12/2016 04:19	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/12/2016 04:43	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/12/2016 05:08	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/12/2016 05:32	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/12/2016 05:56	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/12/2016 06:20	4		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/12/2016 06:44	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/12/2016 07:08	100		ZB-624 (60) 0.25 (mm)
ZZZZZ		01/12/2016 07:32	100		ZB-624 (60) 0.25 (mm)

GC/MS VOA Worksheet

Batch Number: 480-282953

Method: 8260C

Analyst: Fortain, Gerald V

Date Open: Jan 11 2016 9:17AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00049	3MTP_WRK_00051
BFB~480-282953/2		8260C			1 uL	1 uL	HP5975T		
CCVIS~480-282953/3		8260C			5 mL	5 mL	HP5975T		
CCV~480-282953/4		8260C			5 mL	5 mL	HP5975T	12.5 uL	12.5 uL
LCS~480-282953/5		8260C			5 mL	5 mL	HP5975T		
IBLK					5 mL	5 mL	HP5975T		
MB~480-282953/7		8260C			5 mL	5 mL	HP5975T		
480-93597-A-5	TB	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-A-1	MW-2	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-A-2	MW-3	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-A-3	MW-4	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-A-4	MW-6	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-A-5	MW-10	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-A-6	MW-11	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-A-7	MW-12	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-A-8	MW-16S	8260C	T	6 SU	5 mL	5 mL	HP5975T		
480-93630-A-9	Duplicate	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-A-10	Rinse Blank	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-A-11	MW-16D	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-A-12	MW-13S	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-A-13	MW-8R	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-A-14	MW-13D	8260C	T	6 SU	5 mL	5 mL	HP5975T		
480-93630-A-15	GWTC	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-A-16	Trip Blank	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-A-17	A1-GP02-S	8260C	T	6 SU	5 mL	5 mL	HP5975T		
480-93630-A-3~MS		8260C	T	<2 SU	5 mL	5 mL	HP5975T		

GC/MS VOA Worksheet

Batch Number: 480-282953

Method: 8260C

Analyst: Fortain, Gerald V

Date Open: Jan 11 2016 9:17AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00061	ADD CORP mix_00041	BFB_WRK_00050	GAS CORP mix_00130	T_8260_IS_00119	T_8260_Surr_00117
BFB~480-282953/2		8260C				1 uL			
CCVIS~480-282953/ 3		8260C		12.5 uL			12.5 uL	1 uL	1 uL
CCV~480-282953/4		8260C			12.5 uL			1 uL	1 uL
LCS~480-282953/5		8260C		12.5 uL			12.5 uL	1 uL	1 uL
IBLK								1 uL	1 uL
MB~480-282953/7		8260C						1 uL	1 uL
480-93597-A-5	TB	8260C	T					1 uL	1 uL
480-93630-A-1	MW-2	8260C	T					1 uL	1 uL
480-93630-A-2	MW-3	8260C	T					1 uL	1 uL
480-93630-A-3	MW-4	8260C	T					1 uL	1 uL
480-93630-A-4	MW-6	8260C	T					1 uL	1 uL
480-93630-A-5	MW-10	8260C	T					1 uL	1 uL
480-93630-A-6	MW-11	8260C	T					1 uL	1 uL
480-93630-A-7	MW-12	8260C	T					1 uL	1 uL
480-93630-A-8	MW-16S	8260C	T					1 uL	1 uL
480-93630-A-9	Duplicate	8260C	T					1 uL	1 uL
480-93630-A-10	Rinse Blank	8260C	T					1 uL	1 uL
480-93630-A-11	MW-16D	8260C	T					1 uL	1 uL
480-93630-A-12	MW-13S	8260C	T					1 uL	1 uL
480-93630-A-13	MW-8R	8260C	T					1 uL	1 uL
480-93630-A-14	MW-13D	8260C	T					1 uL	1 uL
480-93630-A-15	GWTC	8260C	T					1 uL	1 uL
480-93630-A-16	Trip Blank	8260C	T					1 uL	1 uL
480-93630-A-17	A1-GP02-S	8260C	T					1 uL	1 uL
480-93630-A-3~MS		8260C	T	12.5 uL			12.5 uL	1 uL	1 uL

GC/MS VOA Worksheet

Batch Number: 480-282953

Method: 8260C

Analyst: Fortain, Gerald V

Date Open: Jan 11 2016 9:17AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00049	3MTP_WRK_00051
480-93630-A-3~MS D		8260C	T	<2 SU	5 mL	5 mL	HP5975T		

GC/MS VOA Worksheet

Batch Number: 480-282953

Method: 8260C

Analyst: Fortain, Gerald V

Date Open: Jan 11 2016 9:17AM

Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00061	ADD CORP mix_00041	BFB_WRK_00050	GAS CORP mix_00130	T_8260_IS_00119	T_8260_Surr_00117
480-93630-A-3~MS D		8260C	T	12.5 uL			12.5 uL	1 uL	1 uL

GC/MS VOA Worksheet

Batch Number: 480-282953

Method: 8260C

Analyst: Fortain, Gerald V

Date Open: Jan 11 2016 9:17AM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
BFB~480-282953/2		8260C		
CCVIS~480-282953/3		8260C		
CCV~480-282953/4		8260C		
LCS~480-282953/5		8260C		
IBLK				
MB~480-282953/7		8260C		
480-93597-A-5	TB	8260C	T	
480-93630-A-1	MW-2	8260C	T	
480-93630-A-2	MW-3	8260C	T	
480-93630-A-3	MW-4	8260C	T	
480-93630-A-4	MW-6	8260C	T	
480-93630-A-5	MW-10	8260C	T	
480-93630-A-6	MW-11	8260C	T	
480-93630-A-7	MW-12	8260C	T	
480-93630-A-8	MW-16S	8260C	T	
480-93630-A-9	Duplicate	8260C	T	Run Lower
480-93630-A-10	Rinse Blank	8260C	T	
480-93630-A-11	MW-16D	8260C	T	Run Lower
480-93630-A-12	MW-13S	8260C	T	Run Lower
480-93630-A-13	MW-8R	8260C	T	
480-93630-A-14	MW-13D	8260C	T	Run Lower
480-93630-A-15	GWTC	8260C	T	
480-93630-A-16	Trip Blank	8260C	T	
480-93630-A-17	A1-GP02-S	8260C	T	
480-93630-A-3~MS		8260C	T	

GC/MS VOA Worksheet

Batch Number: 480-282953

Method: 8260C

Analyst: Fortain, Gerald V

Date Open: Jan 11 2016 9:17AM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
480-93630-A-3~MS D		8260C	T	

GC/MS VOA Worksheet

Batch Number: 480-283077

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Jan 11 2016 9:20PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00049	3MTP_WRK_00051
BFB~480-283077/2		8260C			1 uL	1 uL	HP5975T		
CCVIS~480-283077/3		8260C			5 mL	5 mL	HP5975T		
CCV~480-283077/4		8260C			5 mL	5 mL	HP5975T	12.5 uL	12.5 uL
LCS~480-283077/5		8260C			5 mL	5 mL	HP5975T		
RL~480-283077/6					5 mL	5 mL	HP5975T		
MB~480-283077/7		8260C			5 mL	5 mL	HP5975T		
480-93596-T-5	Duplicate	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93596-T-7	MW-21S	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-B-9	Duplicate	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-B-11	MW-16D	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-B-12	MW-13S	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93630-C-14	MW-13D	8260C	T	7 SU	5 mL	5 mL	HP5975T		
480-93627-A-1	CB-1	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93627-A-2	TP-5	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93627-C-3	TP-6	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93627-N-4	MW-38D	8260C	T	7 SU	5 mL	5 mL	HP5975T		
480-93627-N-5	MW-40D	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93627-C-6	Rinse Blank	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93627-B-7	TB-01	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93572-H-31	RINSATE	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93623-D-1	MW-213	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93623-D-2	MW-211	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93623-D-3	MW-212	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93623-D-4	MW-202	8260C	T	<2 SU	5 mL	5 mL	HP5975T		
480-93627-N-5~MS		8260C	T	<2 SU	5 mL	5 mL	HP5975T		

GC/MS VOA Worksheet

Batch Number: 480-283077

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Jan 11 2016 9:20PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00061	ADD CORP mix_00041	BFB_WRK_00050	GAS CORP mix_00130	T_8260_IS_00119	T_8260_Surr_00117
BFB~480-283077/2		8260C				1 uL			
CCVIS~480-283077/ 3		8260C		12.5 uL			12.5 uL	1 uL	1 uL
CCV~480-283077/4		8260C			12.5 uL			1 uL	1 uL
LCS~480-283077/5		8260C		12.5 uL	12.5 uL		12.5 uL	1 uL	1 uL
RL~480-283077/6					1 uL			1 uL	1 uL
MB~480-283077/7		8260C						1 uL	1 uL
480-93596-T-5	Duplicate	8260C	T					1 uL	1 uL
480-93596-T-7	MW-21S	8260C	T					1 uL	1 uL
480-93630-B-9	Duplicate	8260C	T					1 uL	1 uL
480-93630-B-11	MW-16D	8260C	T					1 uL	1 uL
480-93630-B-12	MW-13S	8260C	T					1 uL	1 uL
480-93630-C-14	MW-13D	8260C	T					1 uL	1 uL
480-93627-A-1	CB-1	8260C	T					1 uL	1 uL
480-93627-A-2	TP-5	8260C	T					1 uL	1 uL
480-93627-C-3	TP-6	8260C	T					1 uL	1 uL
480-93627-N-4	MW-38D	8260C	T					1 uL	1 uL
480-93627-N-5	MW-40D	8260C	T					1 uL	1 uL
480-93627-C-6	Rinse Blank	8260C	T					1 uL	1 uL
480-93627-B-7	TB-01	8260C	T					1 uL	1 uL
480-93572-H-31	RINSATE	8260C	T					1 uL	1 uL
480-93623-D-1	MW-213	8260C	T					1 uL	1 uL
480-93623-D-2	MW-211	8260C	T					1 uL	1 uL
480-93623-D-3	MW-212	8260C	T					1 uL	1 uL
480-93623-D-4	MW-202	8260C	T					1 uL	1 uL
480-93627-N-5~MS		8260C	T	12.5 uL			12.5 uL	1 uL	1 uL

GC/MS VOA Worksheet

Batch Number: 480-283077

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Jan 11 2016 9:20PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00049	3MTP_WRK_00051
480-93627-N-5~MS D		8260C	T	<2 SU	5 mL	5 mL	HP5975T		

GC/MS VOA Worksheet

Batch Number: 480-283077

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Jan 11 2016 9:20PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00061	ADD CORP mix_00041	BFB_WRK_00050	GAS CORP mix_00130	T_8260_IS_00119	T_8260_Surr_00117
480-93627-N-5~MS D		8260C	T	12.5 uL			12.5 uL	1 uL	1 uL

GC/MS VOA Worksheet

Batch Number: 480-283077

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Jan 11 2016 9:20PM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
BFB~480-283077/2		8260C		
CCVIS~480-283077/3		8260C		
CCV~480-283077/4		8260C		
LCS~480-283077/5		8260C		
RL~480-283077/6				
MB~480-283077/7		8260C		
480-93596-T-5	Duplicate	8260C	T	
480-93596-T-7	MW-21S	8260C	T	
480-93630-B-9	Duplicate	8260C	T	
480-93630-B-11	MW-16D	8260C	T	
480-93630-B-12	MW-13S	8260C	T	
480-93630-C-14	MW-13D	8260C	T	needs to go lower @ 10x
480-93627-A-1	CB-1	8260C	T	
480-93627-A-2	TP-5	8260C	T	
480-93627-C-3	TP-6	8260C	T	
480-93627-N-4	MW-38D	8260C	T	
480-93627-N-5	MW-40D	8260C	T	
480-93627-C-6	Rinse Blank	8260C	T	
480-93627-B-7	TB-01	8260C	T	
480-93572-H-31	RINSATE	8260C	T	
480-93623-D-1	MW-213	8260C	T	
480-93623-D-2	MW-211	8260C	T	
480-93623-D-3	MW-212	8260C	T	possible carry over
480-93623-D-4	MW-202	8260C	T	
480-93627-N-5~MS		8260C	T	

GC/MS VOA Worksheet

Batch Number: 480-283077

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Jan 11 2016 9:20PM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
480-93627-N-5~MS D		8260C	T	

GC/MS VOA Worksheet

Batch Number: 480-283295
Method: 8260C
Analyst: Goliszek, Gregory T

Date Open: Jan 12 2016 9:04PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00049	3MTP_WRK_00051
BFB~480-283295/1		8260C			1 uL	1 uL	HP5973C		
CCVIS~480-283295/2		8260C			5 mL	5 mL	HP5973C		
CCV~480-283295/3		8260C			5 mL	5 mL	HP5973C	12.5 uL	12.5 uL
LCS~480-283295/4		8260C			5 mL	5 mL	HP5973C		
RL~480-283295/5					5 mL	5 mL	HP5973C		
MB~480-283295/6		8260C			5 mL	5 mL	HP5973C		
480-93602-C-1	MW-12R-W-14.0 160116	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-93602-A-2	MW-1A-W-15.0-16010 6	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-93602-E-3	MW-10R-WD-13.5 160106	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-93602-C-4	MW-15-W-15.0-16010 6	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-93602-A-5	AMW-7-W-15.00-1601 06	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-93602-A-6	AMW-8-W-15.50-1601 06	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-93623-A-5	MW-206	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-93627-C-1	CB-1	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-93630-C-14	MW-13D	8260C	T	7 SU	5 mL	5 mL	HP5973C		
480-93653-A-12	PZ-13R	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-93653-A-13	A2-PZ-1	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-93653-A-14	A2-PZ-2	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-93653-A-15	A1-PZ-2	8260C	T	7 SU	5 mL	5 mL	HP5973C		
480-93653-A-16	MW-1-S/D	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-93653-A-17	PZ-5			<2 SU	5 mL	5 mL	HP5973C		
480-93669-J-1	S-1	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-93669-J-2	S-2	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-93669-J-3	S-3	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-93630-C-14~M S		8260C	T	7 SU	5 mL	5 mL	HP5973C		

GC/MS VOA Worksheet

Batch Number: 480-283295

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Jan 12 2016 9:04PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00061	ADD CORP mix_00042	BFB_WRK_00050	C_8260_IS_00066	C_8260_Surr_00069	GAS CORP mix_00130
BFB~480-283295/1		8260C				1 uL			
CCVIS~480-283295/ 2		8260C		12.5 uL			1 uL	1 uL	12.5 uL
CCV~480-283295/3		8260C			12.5 uL		1 uL	1 uL	
LCS~480-283295/4		8260C		12.5 uL			1 uL	1 uL	12.5 uL
RL~480-283295/5				1 uL			1 uL	1 uL	1 uL
MB~480-283295/6		8260C					1 uL	1 uL	
480-93602-C-1	MW-12R-W-14.0 160116	8260C	T				1 uL	1 uL	
480-93602-A-2	MW-1A-W-15.0-16010 6	8260C	T				1 uL	1 uL	
480-93602-E-3	MW-10R-WD-13.5 160106	8260C	T				1 uL	1 uL	
480-93602-C-4	MW-15-W-15.0-16010 6	8260C	T				1 uL	1 uL	
480-93602-A-5	AMW-7-W-15.00-1601 06	8260C	T				1 uL	1 uL	
480-93602-A-6	AMW-8-W-15.50-1601 06	8260C	T				1 uL	1 uL	
480-93623-A-5	MW-206	8260C	T				1 uL	1 uL	
480-93627-C-1	CB-1	8260C	T				1 uL	1 uL	
480-93630-C-14	MW-13D	8260C	T				1 uL	1 uL	
480-93653-A-12	PZ-13R	8260C	T				1 uL	1 uL	
480-93653-A-13	A2-PZ-1	8260C	T				1 uL	1 uL	
480-93653-A-14	A2-PZ-2	8260C	T				1 uL	1 uL	
480-93653-A-15	A1-PZ-2	8260C	T				1 uL	1 uL	
480-93653-A-16	MW-1-S/D	8260C	T				1 uL	1 uL	
480-93653-A-17	PZ-5						1 uL	1 uL	
480-93669-J-1	S-1	8260C	T				1 uL	1 uL	
480-93669-J-2	S-2	8260C	T				1 uL	1 uL	
480-93669-J-3	S-3	8260C	T				1 uL	1 uL	
480-93630-C-14~M S		8260C	T	12.5 uL			1 uL	1 uL	12.5 uL

GC/MS VOA Worksheet

Batch Number: 480-283295

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Jan 12 2016 9:04PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00049	3MTP_WRK_00051
480-93630-C-14~M SD		8260C	T	7 SU	5 mL	5 mL	HP5973C		

GC/MS VOA Worksheet

Batch Number: 480-283295

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Jan 12 2016 9:04PM

Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00061	ADD CORP mix_00042	BFB_WRK_00050	C_8260_IS_00066	C_8260_Surr_00069	GAS CORP mix_00130
480-93630-C-14~M SD		8260C	T	12.5 uL			1 uL	1 uL	12.5 uL

GC/MS VOA Worksheet

Batch Number: 480-283295

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Jan 12 2016 9:04PM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
BFB~480-283295/1		8260C		
CCVIS~480-283295/2		8260C		
CCV~480-283295/3		8260C		
LCS~480-283295/4		8260C		
RL~480-283295/5				
MB~480-283295/6		8260C		
480-93602-C-1	MW-12R-W-14.0 160116	8260C	T	going @ 5x
480-93602-A-2	MW-1A-W-15.0-160106	8260C	T	
480-93602-E-3	MW-10R-WD-13.5 160106	8260C	T	going @ 5x
480-93602-C-4	MW-15-W-15.0-160106	8260C	T	
480-93602-A-5	AMW-7-W-15.00-160106	8260C	T	
480-93602-A-6	AMW-8-W-15.50-160106	8260C	T	
480-93623-A-5	MW-206	8260C	T	
480-93627-C-1	CB-1	8260C	T	
480-93630-C-14	MW-13D	8260C	T	
480-93653-A-12	PZ-13R	8260C	T	
480-93653-A-13	A2-PZ-1	8260C	T	
480-93653-A-14	A2-PZ-2	8260C	T	
480-93653-A-15	A1-PZ-2	8260C	T	
480-93653-A-16	MW-1-S/D	8260C	T	
480-93653-A-17	PZ-5			
480-93669-J-1	S-1	8260C	T	
480-93669-J-2	S-2	8260C	T	
480-93669-J-3	S-3	8260C	T	
480-93630-C-14~MS		8260C	T	

GC/MS VOA Worksheet

Batch Number: 480-283295

Method: 8260C

Analyst: Goliszek, Gregory T

Date Open: Jan 12 2016 9:04PM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
480-93630-C-14~M SD		8260C	T	

Shipping and Receiving Documents

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

Chain of Custody Record

TAL-4124 (1007)

Client AECOM, Inc.		Project Manager MW. Dino Zack		Date 1/6/16	Chain of Custody Number 296673
Address 257 West Genesee St. Suite 400		Telephone Number (Area Code)/Fax Number 716 866 8222		Lab Number Buffalo	Page 1 of 2
City Buffalo	State NY	Zip Code 14202-2657	Site Contact Dino Zack	Analysis (Attach list if more space is needed)	
Project Name and Location (State) Scott Aviation Site 1Q16 New York		Carrier/Waybill Number		Special Instructions/Receipt	
Contract/Purchase Order/Quote No.		Lab Contact B. Fischer			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives					Special Instructions/Receipt
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	
MW-2	1/5/16	15:40	X	X							
MW-3	1/6/16	11:45	X	X							
MW-4	1/6/16	13:10	X	X							
MW-6	1/6/16	9:20	X	X							
MW-10	1/6/16	10:08	X	X							
MW-11	1/5/16	16:35	X	X							
MW-12	1/6/16	11:00	X	X							
MW-16S	1/6/16	15:08	X	X							
Duplicate	1/6/16	7:00	X	X							
Linse	1/6/16	8:00	X	X							
MW-16D	1/6/16	15:02	X	X							
MW-13S	1/6/16	14:13	X	X							

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown
☐ Sample Disposal ☒ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months _____ (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other **STD**

1. Relinquished By **Megan Kucirka** Date **1/6/16** Time **16:00**
 2. Relinquished By **Charles** Date **1/7/16** Time **16:00**
 3. Relinquished By _____ Date _____ Time _____

Comments
#2 2.3

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-93630-1

Login Number: 93630

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	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	



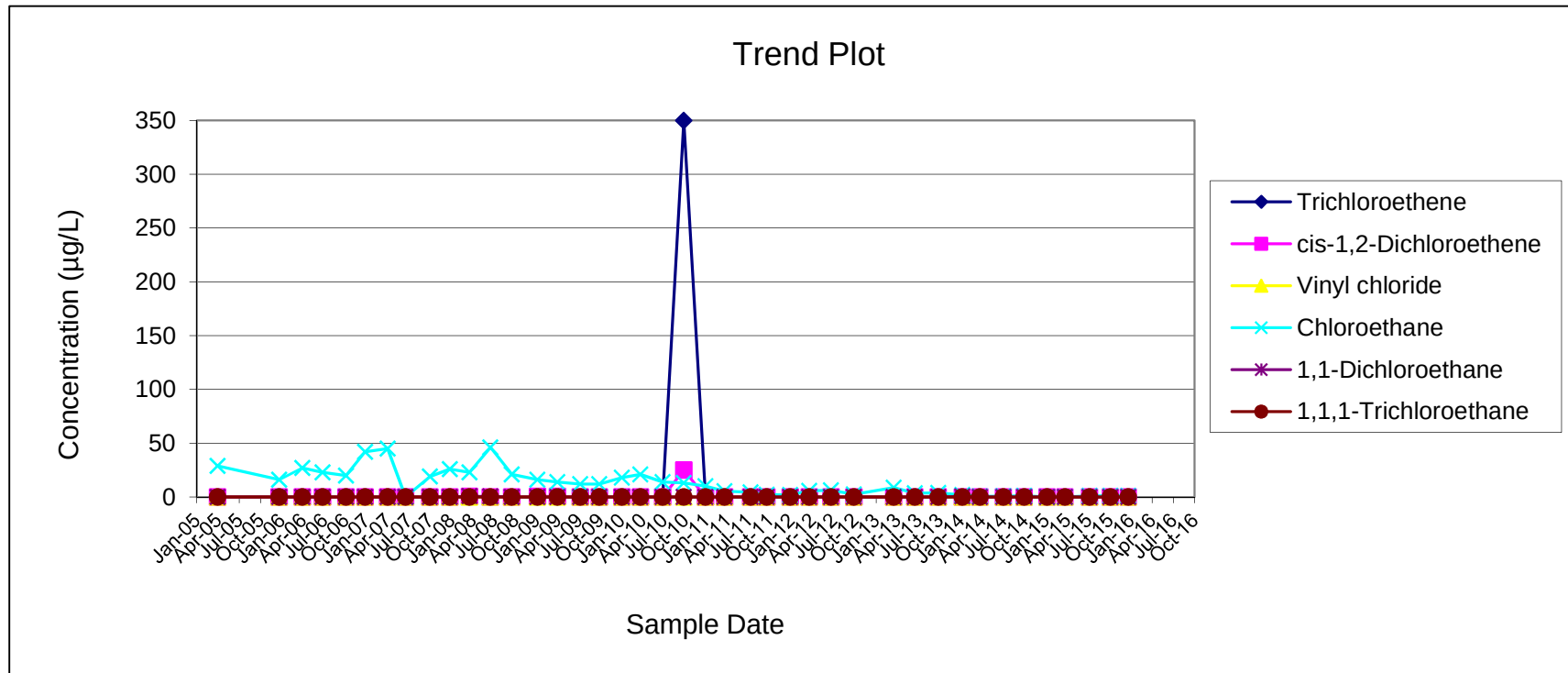
APPENDIX D

Historical and Current Summary of VOCs in Groundwater

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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 10	< 10	29	< 10	<10
1/5/2006	< 25	< 25	< 25	16	< 25	< 25
4/14/2006	< 25	< 25	< 25	27	< 25	< 25
7/10/2006	< 25	< 25	< 25	23	< 25	< 25
10/19/2006	< 5	< 5	< 5	20	< 5	< 5
1/9/2007	< 5	< 5	< 5	42	< 5	< 5
4/16/2007	< 20	< 20	< 20	45	< 20	< 20
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/15/2007	< 5	< 5	< 5	19	< 5	< 5
1/8/2008	< 5	< 5	< 5	26	< 5	< 5
4/2/2008	< 5	0.48	< 5	23	1	< 5
7/1/2008	< 5	< 5	< 5	46	0.65	< 5
10/1/2008	< 5	< 5	< 5	21	<5	< 5
1/20/2009	< 5	0	< 5	16	<5	< 5
4/15/2009	< 5	0	< 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	350	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

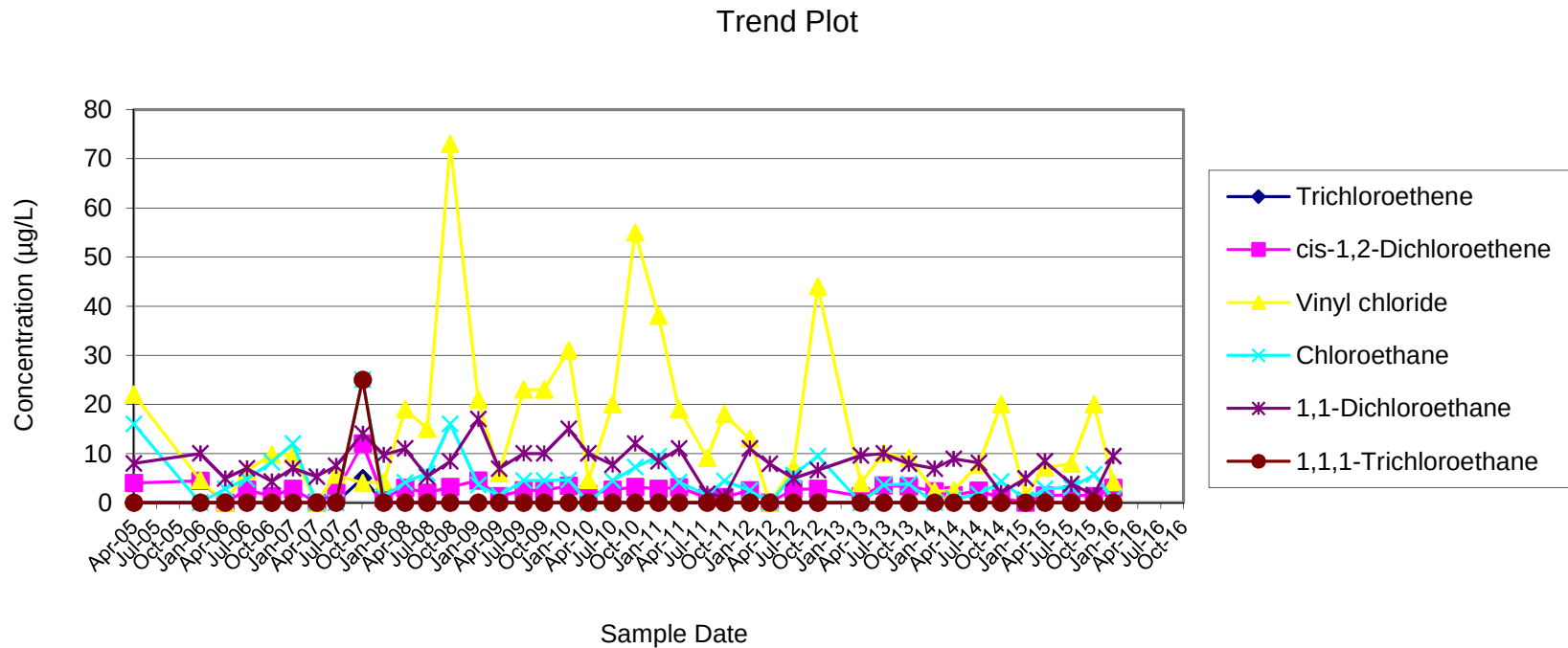
MONITORING WELL MW-2
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	4	22	16	8	<10
1/5/2006	< 25	4.4	4.6	< 25	10	< 25
4/14/2006	< 25	< 25	< 25	2.8	4.9	< 25
7/10/2006	< 25	2.6	6.5	4.8	7	< 25
10/18/2006	< 5	1.3	9.8	8.2	4.3	< 5
1/10/2007	< 5	2.8	9.8	12	7	< 5
4/16/2007	< 20	< 20	< 20	< 20	5.3	< 20
7/2/2007	< 5	2	5.7	< 5	7.5	< 5
10/17/2007	5	12	4	25	14	25
1/9/2008	< 5	0.9	4.2	1.2	9.7	<5
4/3/2008	<5	3	19	4.1	11	<5
7/1/2008	<5	2	15	6	5.3	<5
10/1/2008	<5	3.2	73	16	8.4	<5
1/21/2009	<5	4.5	21	3.6	17	<5
4/15/2009	<5	1.3	6	1.4	6.9	<5
7/22/2009	<5	2.5	23	4.5	10	<5
10/12/2009	<5	2.5	23	4.5	10	<5
1/18/2010	<5	3.4	31	4.6	15	<5
4/7/2010	<5	1.7	4.6	<5	10	<5
7/13/2010	<5	2.6	20	4.5	7.7	<5
10/11/2010	<5	3.2	55	7.2	12	<5
1/12/2011	<1	2.8	38	9.4	8.4	<1
4/4/2011	<1	3.1	19	4.2	11	<1
7/26/2011	<1	0.98	9.1	1.5	1.8	<1
10/3/2011	<1	1.1	18	4.4	1.2	<1
1/13/2012	<1	2.5	13	2.5	11	<1
4/2/2012	<1	<1	<1	<1	7.9	<1
7/5/2012	<1	2.7	7.2	5.6	4.9	<1
10/11/2012	<1	2.8	44	9.5	6.6	<1
4/1/2013	<1	1.3	4	<1	9.6	<1
7/1/2013	<1	3.5	10	3.6	10	<1
10/10/2013	<1	3.3	9.1	3.8	7.9	<1
1/21/2014	<1	2.3	2.3	<1	6.9	<1
4/7/2014	<1	1.5	2.5	0.82	8.9	<1
7/17/2014	<1	2.4	7.8	1.7	8.1	<1
10/14/2014	<1	0.93	20	4.3	2	<1
1/20/2015	<1	<1	1.5	0.64	4.9	<1
4/7/2015	<1	1.4	7.1	2.8	8.4	<1
7/22/2015	<1	1.6	7.9	3.1	3.8	<1
10/21/2015	<1	1.3	20	5.7	1.5	<1
1/6/2016	<1	3	4.2	0.83	9.5	<1

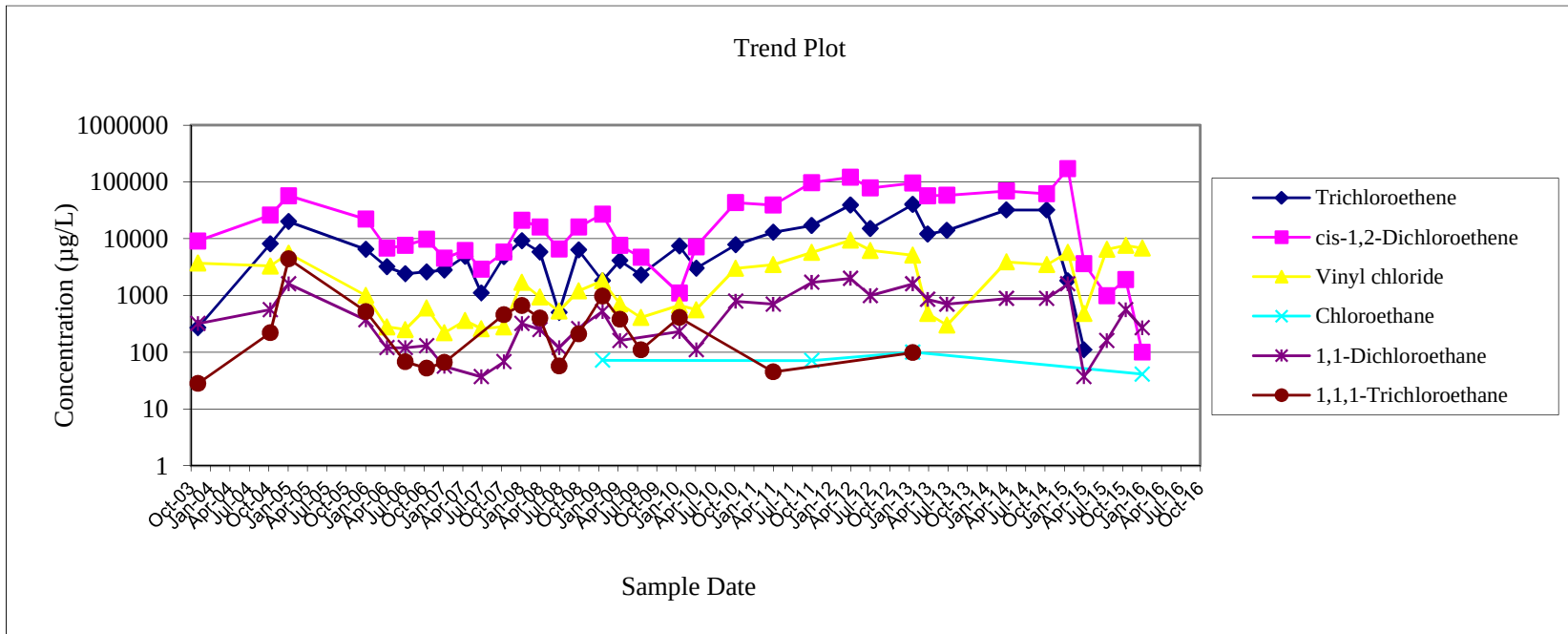
MONITORING WELL MW-3
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	270	9,100	3,700	< 10	320	28
10/13/2004	8,100	26,000	3,300	< 1000	560	220
1/7/2005	20,000	57,000	5,500	< 2000	1,600	4,400
1/6/2006	6,500	22,000	1,000	< 2000	370	520
4/14/2006	3,200	6,800	280	<500	120	<500
7/10/2006	2,400	7,600	250	<500	120	68
10/18/2006	2,600	9,800	600	<5	130	52
1/10/2007	2,800	4,500	220	<400	56	66
4/17/2007	4,900	6,200	360	<500	<500	<500
7/3/2007	1,100	2,900	260	<200	37	<200
10/17/2007	4,800	5,800	280	<500	68	460
1/9/2008	9,200	21,000	1,700	<500	320	660
4/3/2008	5,800	16,000	940	<1200	250	400
7/2/2008	500	6,600	530	<500	120	57
10/2/2008	6,300	16,000	1,200	<500	260	210
1/22/2009	1,800	27,000	1,800	72	520	970
4/15/2009	4,100	7,600	710	<200	160	380
7/22/2009	2,300	4,700	410	<250	<250	110
1/19/2010	7,400	1,100	670	<1000	230	410
4/8/2010	3,000	7,200	560	<500	110	<500
10/11/2010	7,800	43,000	3,000	<4,000	790	<4,000
4/6/2011	13,000	39,000	3,500	<40	700	45
10/4/2011	17,000	97,000	5,700	71	1700	<1
4/3/2012	39,000	120,000	9,400	<200	2000	<200
7/6/2012	15,000	78,000	6,200	<1000	990	<1000
1/21/2013	40,000	95,000	5,100	100	1600	98
4/2/2013	12,000	57,000	480	<40	850	<40
7/1/2013	14,000	58,000	300	<100	700	<100
4/7/2014	32,000	69,000	3,900	<1000	880	<1000
10/14/2014	32,000	62,000	3,500	<1000	880	<1000
1/21/2015	1,800	170,000	5,700	<1000	1,600	<1000
4/7/2015	110	3,600	480	<80	37	<80
7/23/2015	<100	990	6,500	<100	160	<100
10/20/2015	<100	1,900	7,600	<100	560	<100
1/6/2016	<100	100	6,800	41	270	<100

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



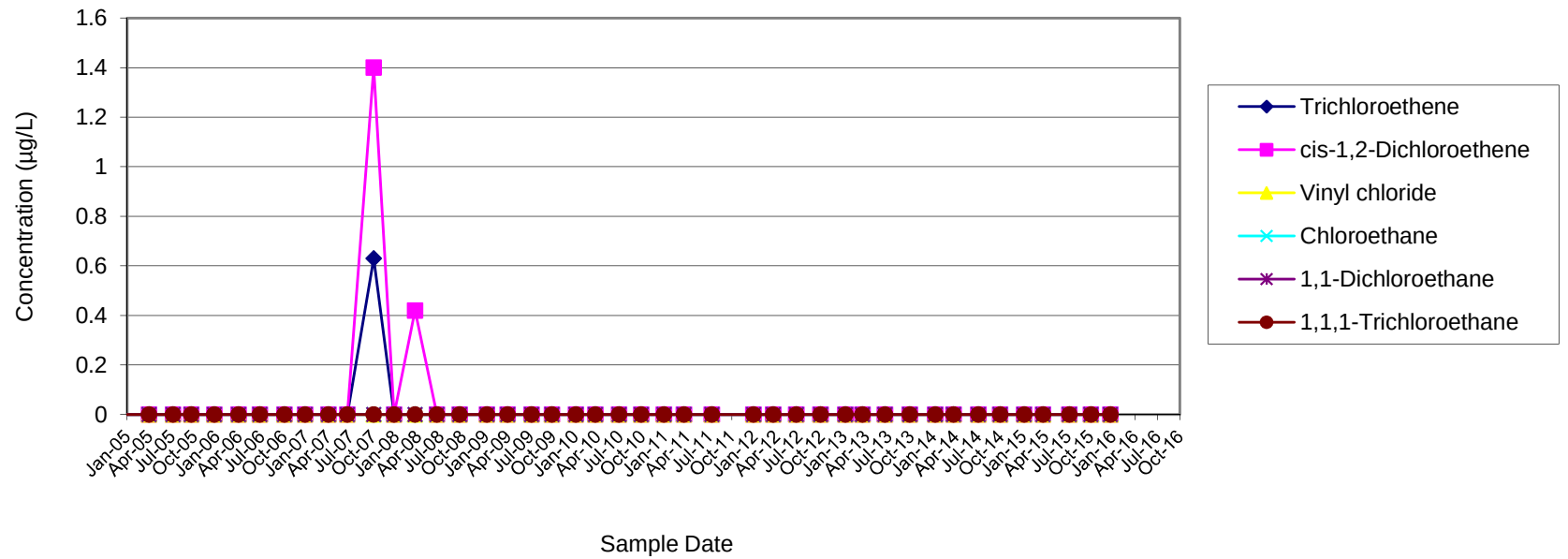
Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	< 10	< 10	< 10	< 10	< 10	< 6
10/12/2004	< 10	< 10	< 10	< 10	< 10	< 10
1/6/2005	< 10	< 10	< 10	< 10	< 10	< 10
4/14/2005	< 10	< 10	< 10	< 10	< 10	< 10
7/21/2005	< 5	< 5	< 5	< 5	< 5	< 5
10/4/2005	< 5	< 5	< 5	< 5	< 5	< 5
1/5/2006	< 5	< 5	< 5	< 5	< 5	< 5
4/14/2006	< 5	< 5	< 5	< 5	< 5	< 5
7/10/2006	< 5	< 5	< 5	< 5	< 5	< 5
10/18/2006	< 5	< 5	< 5	< 5	< 5	< 5
1/10/2007	< 5	< 5	< 5	< 5	< 5	< 5
4/16/2007	< 5	< 5	< 5	< 5	< 5	< 5
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/17/2007	0.63	1.4	< 5	< 5	< 5	< 5
1/8/2008	<5	<5	<5	< 5	< 5	< 5
4/3/2008	<5	0.42	<5	<5	<5	<5
7/1/2008	<5	<5	<5	<5	<5	<5
10/1/2008	<5	<5	<5	<5	<5	<5
1/20/2009	<5	<5	<5	<5	<5	<5
4/15/2009	<5	<5	<5	<5	<5	<5
7/21/2009	<5	<5	<5	<5	<5	<5
10/13/2009	<5	<5	<5	<5	<5	<5
1/18/2010	<5	<5	<5	<5	<5	<5
4/7/2010	<5	<5	<5	<5	<5	<5
7/13/2010	<5	<5	<5	<5	<5	<5
10/11/2010	<5	<5	<5	<5	<5	<5
1/12/2011	<1	<1	<1	<1	<1	<1
4/4/2011	<1	<1	<1	<1	<1	<1
7/26/2011	<1	<1	<1	<1	<1	<1
1/12/2012	<1	<1	<1	<1	<1	<1
4/2/2012	<1	<1	<1	<1	<1	<1
7/5/2012	<1	<1	<1	<1	<1	<1
10/11/2012	<1	<1	<1	<1	<1	<1
1/21/2013	<1	<1	<1	<1	<1	<1
4/1/2013	<1	<1	<1	<1	<1	<1
7/1/2013	<1	<1	<1	<1	<1	<1
10/10/2013	<1	<1	<1	<1	<1	<1
1/22/2014	<1	<1	<1	<1	<1	<1
4/7/2014	<1	<1	<1	<1	<1	<1
7/17/2014	<1	<1	<1	<1	<1	<1
10/14/2014	<1	<1	<1	<1	<1	<1
1/20/2015	<1	<1	<1	<1	<1	<1
4/6/2015	<1	<1	<1	<1	<1	<1
7/23/2015	<1	<1	<1	<1	<1	<1
10/19/2015	<1	<1	<1	<1	<1	<1
1/6/2016	<1	<1	<1	<1	<1	<1

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

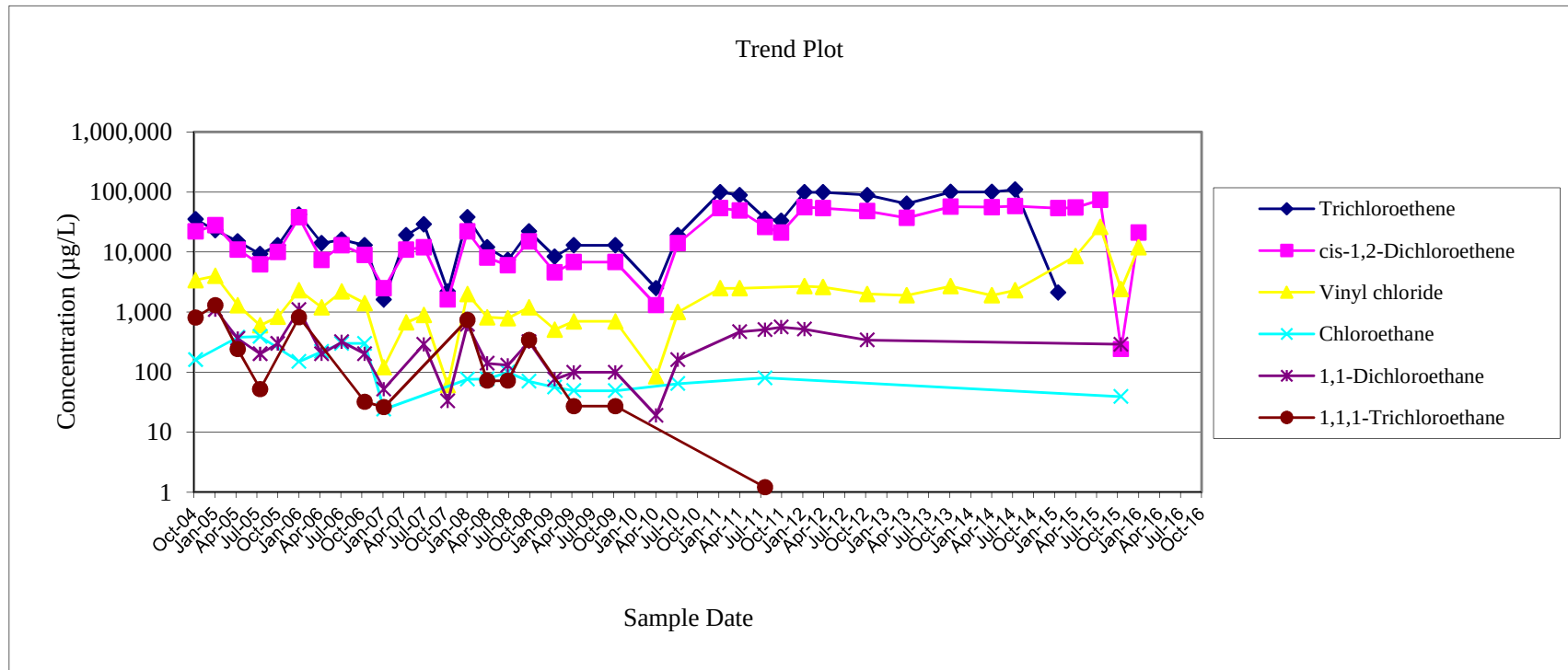
Trend Plot



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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
10/13/2004	35,000	22,000	3,400	160	< 5,000	810
1/7/2005	23,000	28,000	4,000	< 2,000	1,100	1,300
4/14/2005	15,000	11,000	1,300	380	360	240
7/21/2005	9,200	6,200	600	390	200	52
10/5/2005	13,000	10,000	830	< 1,000	300	<1,000
1/6/2006	42,000	38,000	2,300	150	1100	820
4/14/2006	14,000	7,400	1,200	220	200	< 1,000
7/10/2006	16,000	13,000	2,200	300	320	< 1,000
10/18/2006	13,000	8,900	1,400	300	200	32
1/10/2007	1,600	2,500	120	24	52	26
4/17/2007	19,000	11,000	670	< 1,000	< 1,000	< 1,000
7/3/2007	29,000	12,000	890	< 1,000	290	< 1,000
10/15/2007	2,200	1,600	60	< 200	33	< 200
1/8/2008	38,000	22,000	2,000	76	620	740
4/3/2008	12,000	8,100	820	77	140	72
7/2/2008	7,400	6,000	790	100	130	72
10/2/2008	22,000	15,000	1,200	70	320	340
1/22/2009	8,400	4,600	510	56	76	<100
4/15/2009	13,000	6,800	700	49	99	27
10/13/2009	13,000	6,800	700	49	99	27
4/8/2010	2,500	1,300	84	<100	19	<100
7/12/2010	19,000	14,000	1,000	64	160	<100
1/12/2011	99,000	54,000	2,500	<2000	<2000	<2000
4/6/2011	89,000	49,000	2,500	<800	470	<800
7/26/2011	36,000	26,000	<800	80	510	1.2
10/4/2011	33,000	21,000	<400	<400	560	<400
1/13/2012	99,000	56,000	2,700	<800	520	<800
4/3/2012	99,000	54,000	2,600	<2000	<2000	<2000
10/12/2012	89,000	48,000	2,000	<800	340	<800
4/2/2013	64,000	37,000	1,900	<1000	<1000	<1000
10/10/2013	100,000	57,000	2,700	<1000	<1000	<1000
4/7/2014	100,000	56,000	1,900	<1000	<1000	<1000
7/17/2014	110,000	58,000	2,300	<1000	<1000	<1000
1/21/2015	2,100	54,000	<2000	<2000	<2000	<2000
4/6/2015	<2000	55,000	8,500	<2000	<2000	<2000
7/23/2015	<200	74,000	26,000	<200	<200	<200
10/21/2015	<25	240	2,400	39	290	<25
1/6/2016	<1,000	21,000	12,000	<1,000	<1,000	<1,000

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



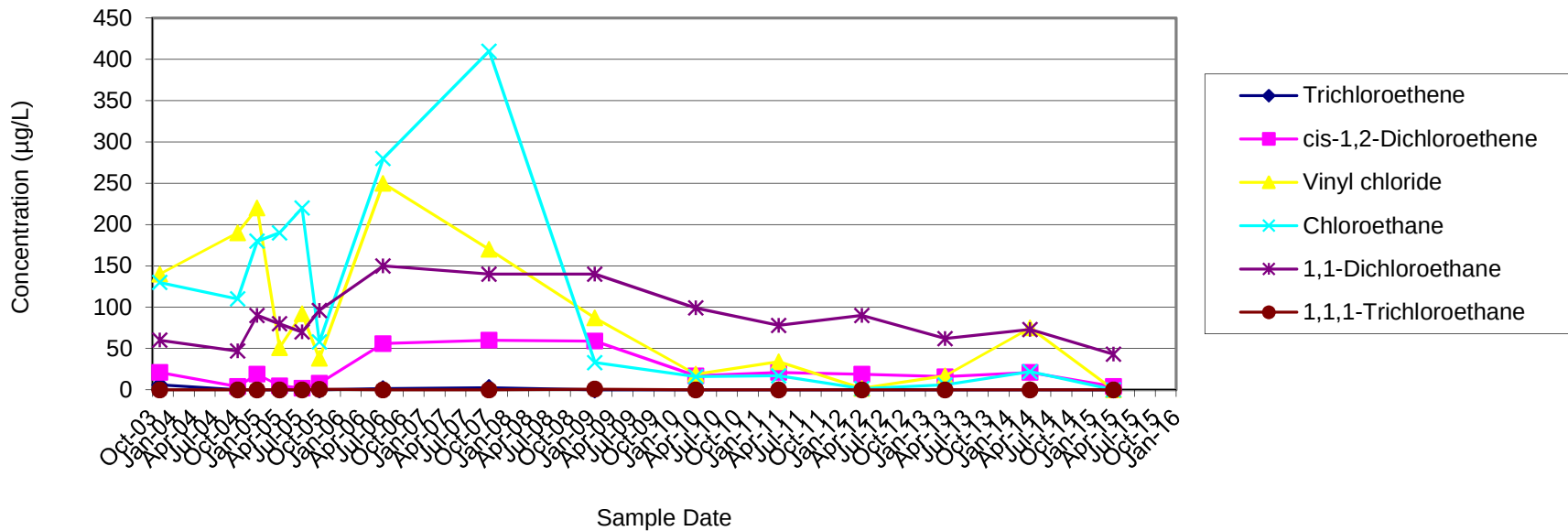
Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	6	21	140	130	60	< 10
10/13/2004	< 10	4	190	110	47	< 10
1/6/2005	< 10	19	220	180	90	< 10
4/14/2005	< 10	5	51	190	80	< 10
7/21/2005	< 5	2	92	220	70	< 5
10/5/2005	< 5	8	38	58	96	0.68
7/10/2006	1.3	56	250	280	150	< 5
10/17/2007	2.6	60	170	410	140	< 25
1/21/2009	<5	59	87	33	140	0.81
4/7/2010	<5	17	19	16	99	< 5
4/4/2011	<1	21	34	17	78	<1
4/2/2012	<1	19	1.8	1.5	90	<1
4/1/2013	<1	16	17	5.9	62	<1
4/7/2014	<1	21	75	22	73	<1
4/7/2015	<1	4.1	<1	<1	43	<1

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

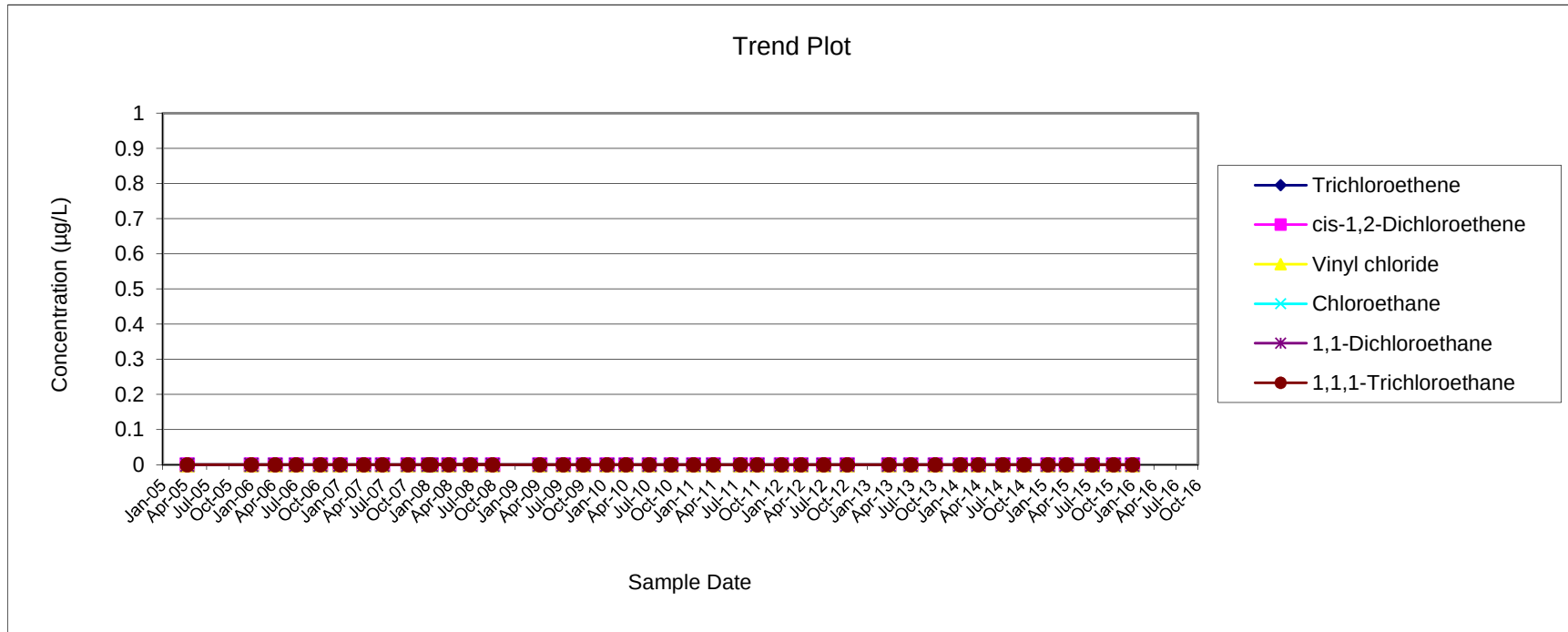
Trend Plot



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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 10	< 10	< 10	< 10	<10
1/5/2006	< 5	< 5	< 5	< 5	< 5	< 5
4/14/2006	< 5	< 5	< 5	< 5	< 5	< 5
7/10/2006	< 5	< 5	< 5	< 5	< 5	< 5
10/18/2006	< 5	< 5	< 5	< 5	< 5	< 5
1/9/2007	< 5	< 5	< 5	< 5	< 5	< 5
4/16/2007	< 5	< 5	< 5	< 5	< 5	< 5
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/17/2007	< 5	< 5	< 5	< 5	< 5	< 5
1/9/2008	< 5	< 5	< 5	< 5	< 5	< 5
4/3/2008	< 5	< 5	< 5	< 5	< 5	< 5
7/1/2008	< 5	< 5	< 5	< 5	< 5	< 5
10/1/2008	< 5	< 5	< 5	< 5	< 5	< 5
1/20/2008	< 5	< 5	< 5	< 5	< 5	< 5
4/15/2009	< 5	< 5	< 5	< 5	< 5	< 5
7/21/2009	< 5	< 5	< 5	< 5	< 5	< 5
10/13/2009	< 5	< 5	< 5	< 5	< 5	< 5
1/18/2010	< 5	< 5	< 5	< 5	< 5	< 5
4/7/2010	< 5	< 5	< 5	< 5	< 5	< 5
7/13/2010	< 5	< 5	< 5	< 5	< 5	< 5
10/11/2010	< 5	< 5	< 5	< 5	< 5	< 5
1/12/2011	<1	<1	<1	<1	<1	<1
4/4/2011	<1	<1	<1	<1	<1	<1
7/26/2011	<1	<1	<1	<1	<1	<1
10/3/2011	<1	<1	<1	<1	<1	<1
1/12/2012	<1	<1	<1	<1	<1	<1
4/2/2012	<1	<1	<1	<1	<1	<1
7/5/2012	<1	<1	<1	<1	<1	<1
10/11/2012	<1	<1	<1	<1	<1	<1
4/1/2013	<1	<1	<1	<1	<1	<1
7/1/2013	<1	<1	<1	<1	<1	<1
10/10/2013	<1	<1	<1	<1	<1	<1
1/22/2014	<1	<1	<1	<1	<1	<1
4/7/2014	<1	<1	<1	<1	<1	<1
7/17/2014	<1	<1	<1	<1	<1	<1
10/14/2014	<1	<1	<1	<1	<1	<1
1/20/2015	<1	<1	<1	<1	<1	<1
4/6/2015	<1	<1	<1	<1	<1	<1
7/23/2015	<1	<1	<1	<1	<1	<1
10/19/2015	<1	<1	<1	<1	<1	<1
1/6/2016	<1	<1	<1	<1	<1	<1

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

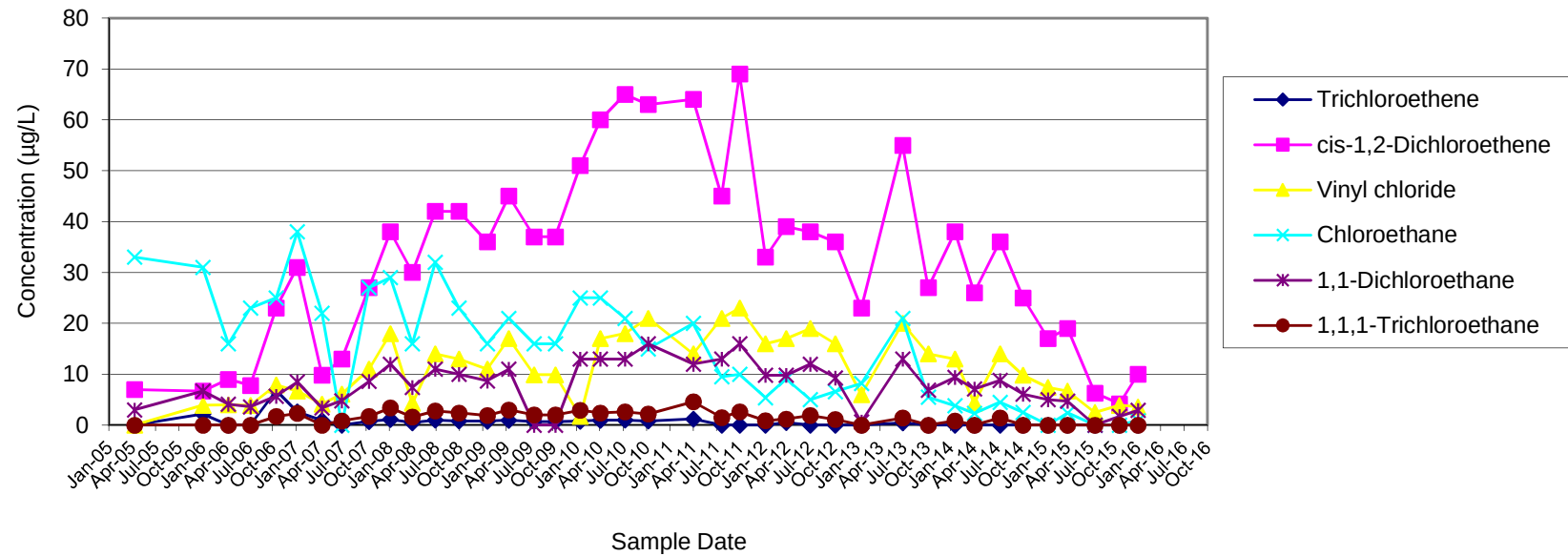


MONITORING WELL MW-11
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	7	< 10	33	3	< 10
1/5/2006	2.2	6.7	3.9	31	6.7	<20
4/14/2006	< 20	9	4	16	4.1	< 20
7/10/2006	< 20	7.8	3.9	23	3.6	< 20
10/19/2006	6.8	23	7.9	25	5.7	1.7
1/9/2007	2.6	31	6.7	38	8.5	2.3
4/16/2007	0.89	9.8	4.1	22	3.4	<5
7/2/2007	< 5	13	6.1	< 5	4.8	0.84
10/16/2007	0.71	27	11	27	8.6	1.7
1/8/2008	1.1	38	18	29	12	3.4
4/2/2008	0.49	30	4.3	16	7.4	1.6
7/1/2008	1	42	14	32	11	2.8
10/2/2008	0.81	42	13	23	10	2.4
1/20/2009	0.77	36	11	16	8.7	1.9
4/14/2009	0.95	45	17	21	11	3
7/22/2009	0.69	37	9.9	16	<5	2
10/13/2009	0.69	37	9.9	16	<5	2
1/18/2010	0.77	51	1.7	25	13	2.9
4/7/2010	0.95	60	17	25	13	2.4
7/12/2010	1	65	18	21	13	2.6
10/11/2010	0.8	63	21	15	16	2.2
4/5/2011	1.2	64	14	20	12	4.6
7/25/2011	<1	45	21	9.5	13	1.5
10/3/2011	<1	69	23	10	16	2.6
1/12/2012	<1	33	16	5.4	9.8	0.88
4/2/2012	0.51	39	17	9.1	9.8	1.2
7/5/2012	<1	38	19	5	12	1.9
10/11/2012	<1	36	16	6.6	9.3	1.1
1/21/2013	<1	23	6	8.2	0.64	<1
7/1/2013	0.46	55	20	21	13	1.4
10/9/2013	<1	27	14	5.5	6.9	<1
1/21/2014	<1	38	13	3.8	9.4	0.85
4/7/2014	<1	26	4.3	2.3	7.1	<1
7/16/2014	<1	36	14	4.5	8.8	1.4
10/14/2014	<1	25	9.8	2.5	6.1	<1
1/20/2015	<5	17	7.4	<5	5.0	<5
4/6/2015	<2	19	6.7	2.4	4.7	<2
7/22/2015	<1	6.3	2.5	<1	<1	<1
10/26/2015	<1	4.2	3.9	<1	1.7	<1
1/6/2016	<1	10	3.6	0.89	2.9	<1

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

Trend Plot

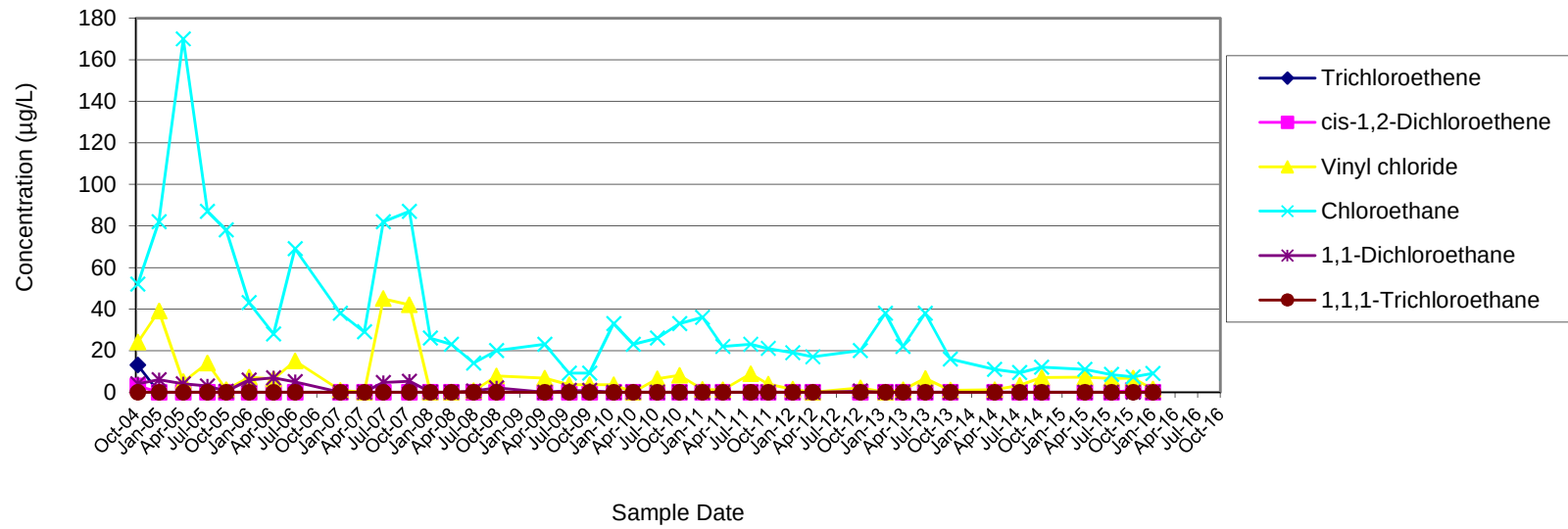


MONITORING WELL MW-12
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
10/12/2004	13	3	24	52	4	< 10
1/6/2005	< 10	< 10	39	82	6	< 10
4/14/2005	< 10	< 10	5	170	4	< 10
7/21/2005	< 5	< 5	14	87	3	<
10/5/2005	< 5	< 5	1.2	78	0.43	< 5
1/5/2006	< 25	< 25	7.2	43	5.8	< 25
4/14/2006	< 25	< 25	6.3	28	6.9	< 25
7/10/2006	< 25	< 25	15	69	5	< 25
1/9/2007	< 5	< 5	0.83	38	< 5	< 5
4/16/2007	< 20	< 20	< 20	29	< 20	< 20
7/2/2007	< 5	< 5	45	82	4.6	< 5
10/15/2007	< 5	< 5	42	87	5.2	< 5
1/8/2008	< 5	< 5	< 5	26	< 5	< 5
4/2/2008	< 5	< 5	< 5	23	< 5	< 5
7/1/2008	< 5	< 5	0.64	14	0.55	< 5
10/1/2008	< 5	< 5	7.8	20	2.1	< 5
4/14/2009	<5	<5	6.8	23	<5	<5
7/22/2009	<5	<5	3.6	9.2	0.79	<5
10/12/2009	<5	<5	3.6	9.2	0.79	<5
1/18/2010	<5	<5	3.6	33	<5	<5
4/7/2010	<5	<5	< 5	23	<5	<5
7/13/2010	<5	<5	6.4	26	<5	<5
10/11/2010	<5	<5	8.1	33	<5	<5
1/12/2011	<1	<1	1.3	36	<1	<1
4/4/2011	<1	<1	1.1	22	<1	<1
7/26/2011	<1	<1	8.9	23	<1	<1
10/4/2011	<1	<1	3.9	21	<1	<1
1/12/2012	<1	<1	1.4	19	<1	<1
4/2/2012	<1	<1	<1	17	<1	<1
10/11/2012	<1	<1	2.1	20	0.49	<1
1/21/2013	<1	<1	<1	38	<1	<1
4/1/2013	<1	<1	1.1	22	<1	<1
7/1/2013	<1	<1	6.6	38	<1	<1
10/10/2013	<1	<1	0.95	16	<1	<1
4/7/2014	<1	<1	1.2	11	<1	<1
7/17/2014	<1	<1	3.3	9.4	<1	<1
10/14/2014	<1	<1	7.1	12	<1	<1
4/6/2015	<1	<1	7.2	11	<1	<1
7/23/2015	<1	<1	6.6	8.5	<1	<1
10/19/2015	<1	0.88	6.7	7.4	<1	<1
1/6/2016	<1	<1	1.5	9	<1	<1

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

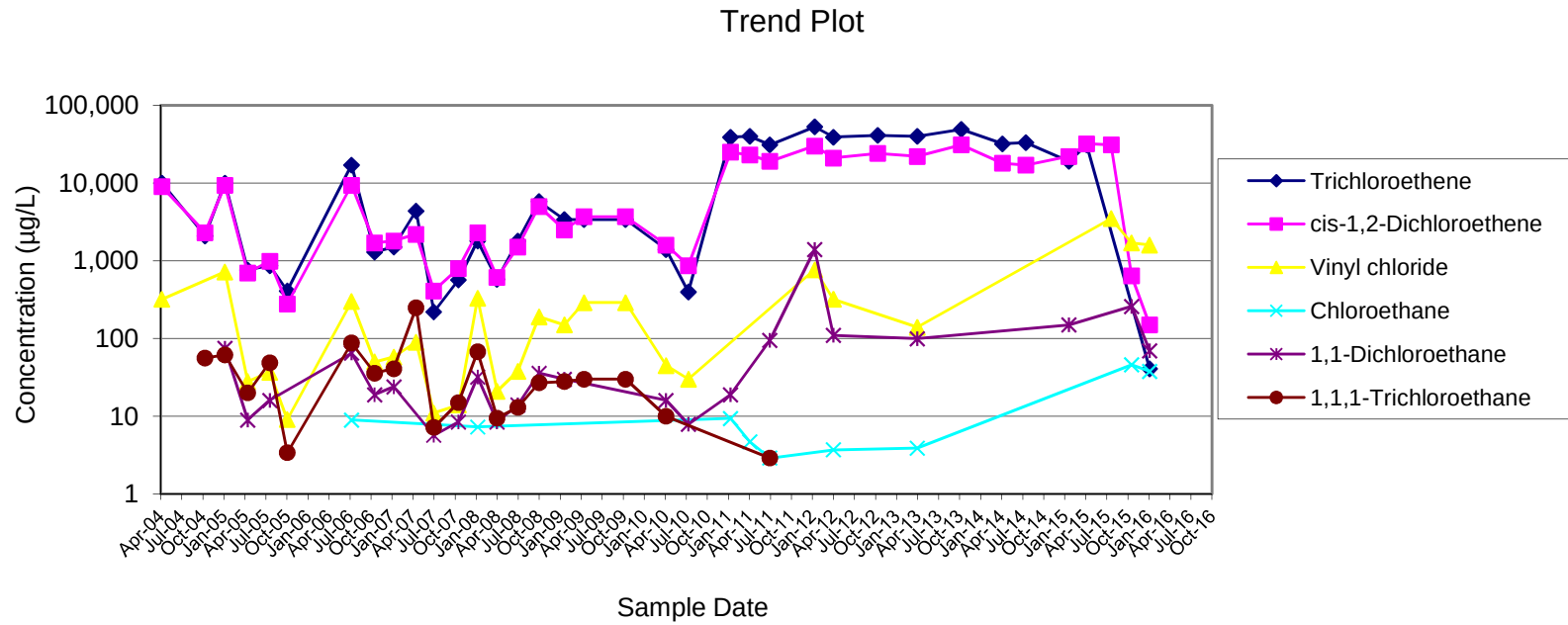
Trend Plot



PIEZOMETER MW-13S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	10,000	9,000	320	< 100	< 100	< 100
10/12/2004	2,100	2,300	< 200	< 200	< 200	56
1/6/2005	10,000	9,400	720	< 200	75	62
4/15/2005	760	700	28	< 50	9	20
7/20/2005	870	990	37	< 40	16	49
10/4/2005	410	280	9.1	< 40	< 40	3.4
7/10/2006	17,000	9,400	300	9	65	88
10/19/2006	1,300	1,700	50	<100	19	36
1/10/2007	1,500	1,800	58	<100	24	41
4/17/2007	4,400	2,200	90	< 250	< 250	250
7/3/2007	220	410	11	< 25	5.7	7.2
10/18/2007	570	800	14	< 25	8.5	15
1/9/2008	1800	2300	330	7.3	32	68
4/3/2008	580	610	21	<50	8.5	9.5
7/2/2008	1,800	1,500	38	<120	14	13
10/2/2008	5,800	5,000	190	<120	36	27
1/20/2009	3,400	2,500	150	<10	30	28
4/15/2009	3,400	3,700	290	<40	<40	30
10/13/2009	3,400	3,700	290	<40	<40	30
4/7/2010	1,400	1,600	45	<50	16	10
7/13/2010	400	870	30	<50	7.9	<50
1/12/2011	39,000	25,000	<500	9.4	19	<1
4/6/2011	40,000	23,000	<800	4.7	<800	<800
7/2/2011	31,000	19,000	<800	2.9	95	2.9
1/13/2012	53,000	30,000	770	<800	1400	<800
4/3/2012	39,000	21,000	320	3.7	110	<1
10/12/2012	41,000	24,000	<800	<800	<800	<800
4/2/2013	40,000	22,000	140	3.9	100	<1
10/10/2013	49,000	31,000	<1	<1	<1	<1
4/7/2014	32,000	18,000	<500	<500	<500	<500
7/17/2014	33,000	17,000	<500	<500	<500	<500
1/21/2015	19,000	22,000	<500	<500	150	<500
4/7/2015	31,000	32,000	<500	<500	<500	<500
7/23/2015	<500	31,000	3,500	<500	<500	<500
10/20/2015	<10	640	1,700	46	260	<10
1/6/2016	41	150	1,600	38	70	<25

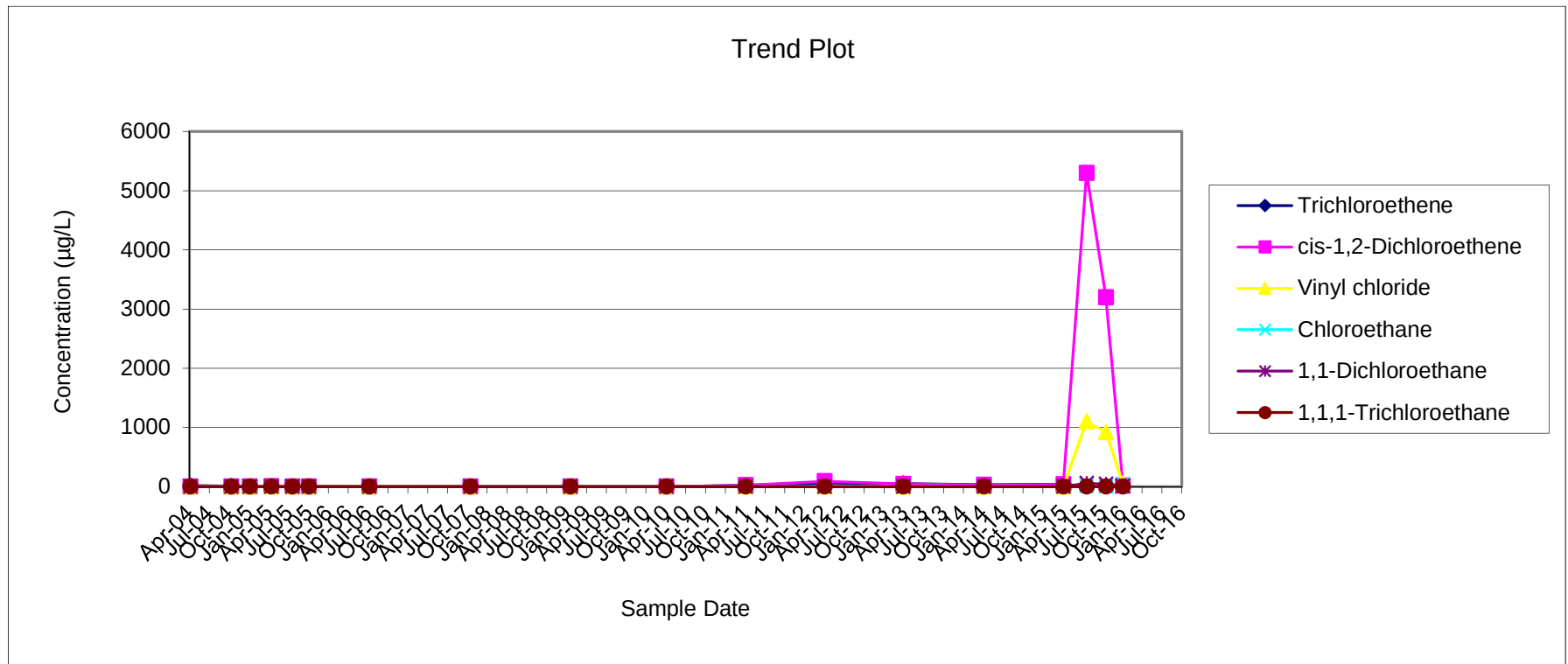
MONITORING WELL MW-13S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-13D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	17	2	< 10	< 10	< 10	< 10
10/12/2004	7	2	< 10	< 10	< 10	< 10
1/6/2005	< 10	< 10	< 10	< 10	< 10	< 10
4/15/2005	8	4	< 10	< 10	< 10	< 10
7/20/2005	1	2	< 5	< 5	< 5	< 5
10/4/2005	1.4	1.5	< 5	< 5	< 5	< 5
7/10/2006	2	1.6	2.6	< 5	< 5	< 5
10/18/2007	<5	0.55	1.1	< 5	< 5	< 5
1/20/2009	<5	<5	<5	<5	<5	<5
4/7/2010	<5	<5	<5	<5	<5	<5
4/6/2011	22	23	<1	<1	<1	<1
4/3/2012	62	89	2.3	<1	<1	<1
4/1/2013	53	44	2.9	<1	<1	<1
4/7/2014	30	28	1.9	<1	<1	<1
4/7/2015	40	37	<1	<1	<1	<1
7/23/2015	2	5,300	1,100	11	56	<1
10/20/2015	<100	3,200	920	<100	42	<100
1/6/2016	<10	15	47	38	12	<10

PIEZOMETER MW-13D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

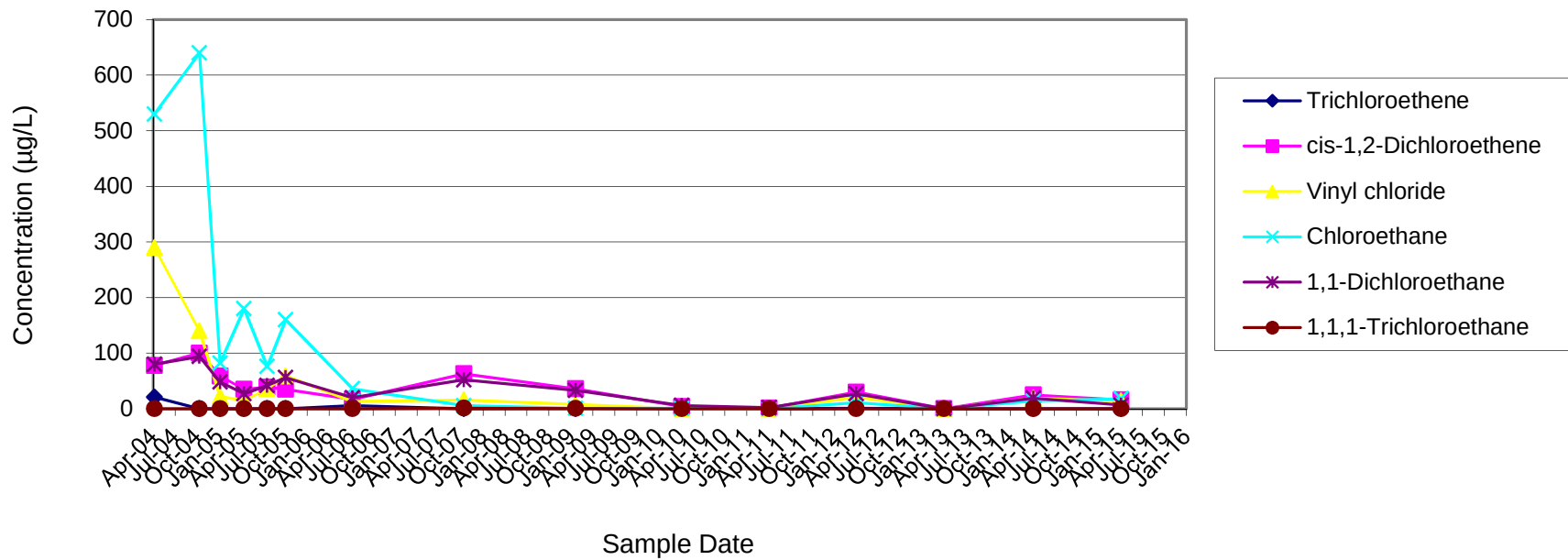


PIEZOMETER MW-14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	21	78	290	530	80	< 20
10/12/2004	< 10	100	140	640	94	< 10
1/6/2005	< 10	59	22	82	48	< 10
4/15/2005	< 10	35	15	180	27	< 10
7/20/2005	< 5	39	36	76	42	< 5
10/5/2005	< 5	35	59	160	56	< 5
7/10/2006	5.7	17	13	36	20	< 25
10/15/2007	< 5	63	16	5.7	52	1.3
1/21/2009	0.38	36	7.9	0.87	33	0.63
4/8/2010	< 5	4	< 5	0.62	5.9	< 5
4/5/2011	< 1	1.1	< 1	< 1	1.9	< 1
4/2/2012	1.3	30	21	11	27	< 1
4/1/2013	< 1	< 1	< 1	< 1	< 1	< 1
4/7/2014	< 1	25	19	14	19	< 1
4/7/2015	< 1	16	14	18	6.8	< 1

PIEZOMETER MW-14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

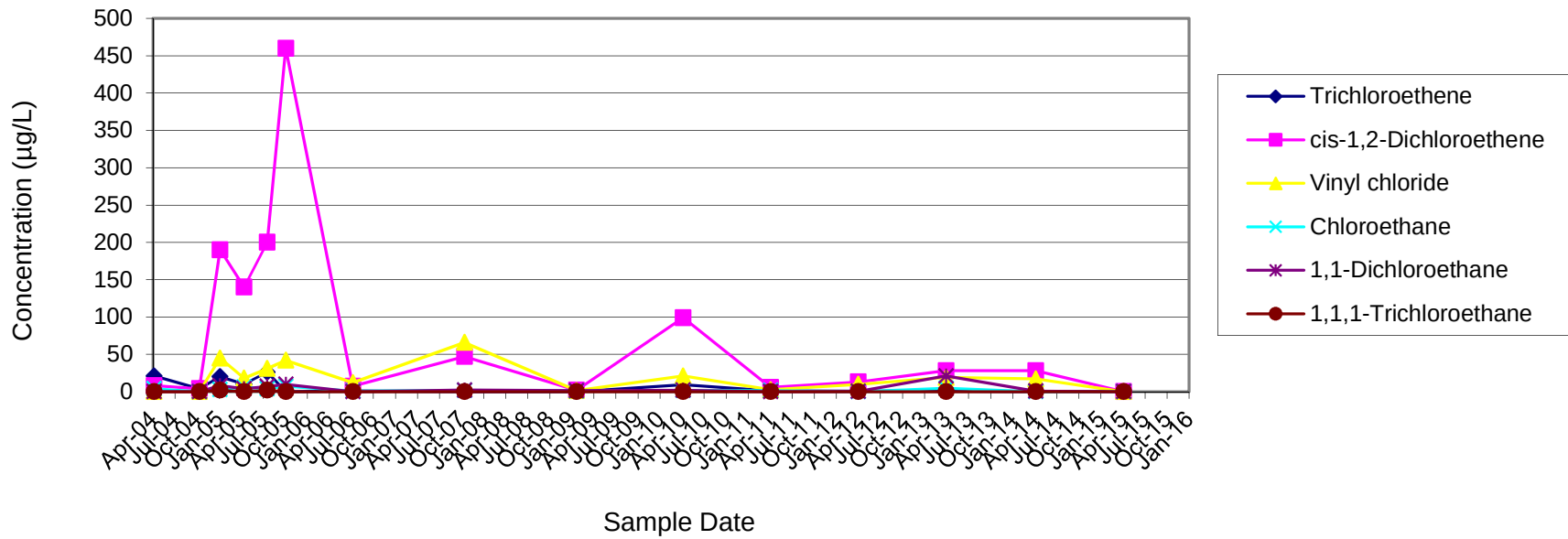


PIEZOMETER MW-14D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	21	8	< 10	4	< 10	< 10
10/12/2004	4	4	< 10	< 10	< 10	< 10
1/6/2005	20	190	45	3	8	2
4/15/2005	10	140	18	6	4	< 10
7/20/2005	26	200	31	4	7	2
10/5/2005	< 10	460	42	7.2	9.9	<10
7/10/2006	0.96	7.2	12	0.82	< 5	< 5
10/15/2007	< 5	47	66	1.8	2.2	< 5
1/21/2009	<5	2	1.4	0.91	1.3	<5
4/8/2010	9.4	99	21	1.5	2	<5
4/5/2011	0.97	5.6	2.6	1.5	<1	<1
4/2/2012	0.64	13	9.9	<1	0.44	<1
4/1/2013	0.99	28	19	4.6	21	<1
4/7/2014	<1	28	17	<1	0.82	<1
4/7/2015	<1	<1	<1	<1	<1	<1

PIEZOMETER MW-14D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Trend Plot

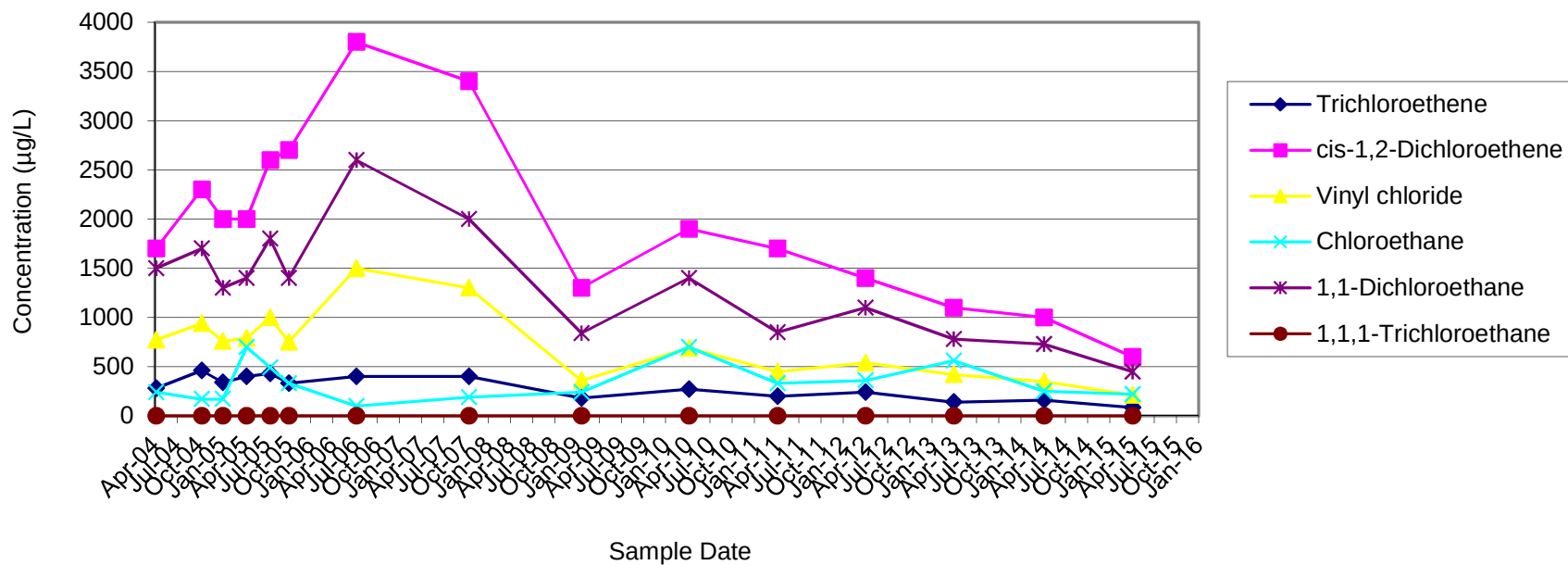


PIEZOMETER MW-15S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	280	1,700	770	240	1,500	< 250
10/12/2004	460	2,300	940	170	1,700	< 250
1/7/2005	340	2,000	760	170	1,300	< 250
4/15/2005	400	2,000	790	700	1,400	< 200
7/21/2005	430	2,600	1,000	490	1,800	< 120
10/5/2005	330	2,700	750	330	1,400	<100
7/10/2006	400	3,800	1,500	100	2,600	< 25
10/16/2007	400	3400	1300	190	2000	< 200
1/21/2009	180	1300	360	240	840	<5
4/8/2010	270	1900	690	700	1400	<10
4/7/2011	200	1700	450	330	850	<1
4/3/2012	240	1400	540	360	1100	<1
4/1/2013	140	1100	420	560	780	<20
4/7/2014	160	1000	350	250	730	<20
4/6/2015	85	600	210	220	450	<20

**PIEZOMETER MW-15S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**

Trend Plot

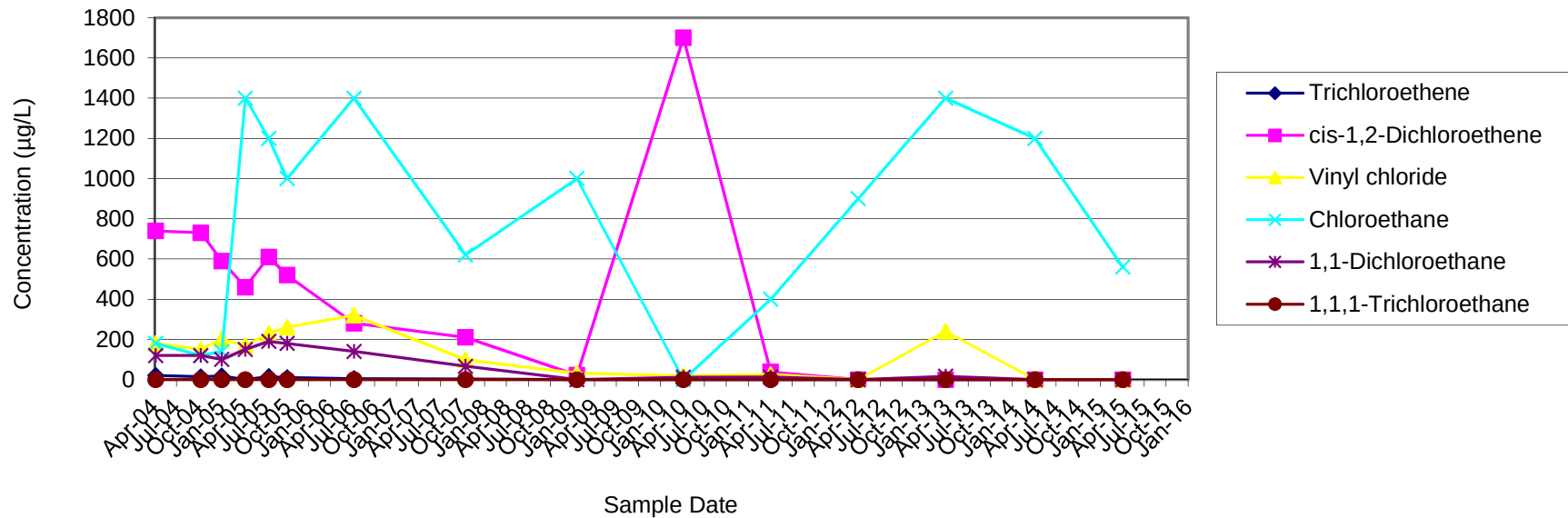


PIEZOMETER MW-15D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	21	740	180	180	120	< 10
10/12/2004	14	730	150	120	120	< 50
1/7/2005	18	590	200	140	100	< 50
4/15/2005	< 50	460	170	1,400	150	< 50
7/21/2005	15	610	230	1,200	190	< 25
10/5/2005	10	520	260	1,000	180	<50
7/10/2006	4.9	280	320	1,400	140	< 5
10/16/2007	3.6	210	99	620	66	< 5
1/21/2009	<25	22	32	1000	<25	<25
4/8/2010	<5	1700	19	<5	12	<5
4/5/2011	<8	38	26	400	13	<8
4/3/2012	<10	<10	<10	900	<10	<10
4/1/2013	<8	<8	240	1400	16	<8
4/7/2014	<20	<20	<20	1200	<20	<20
4/6/2015	<20	<20	<20	560	<20	<20

PIEZOMETER MW-15D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

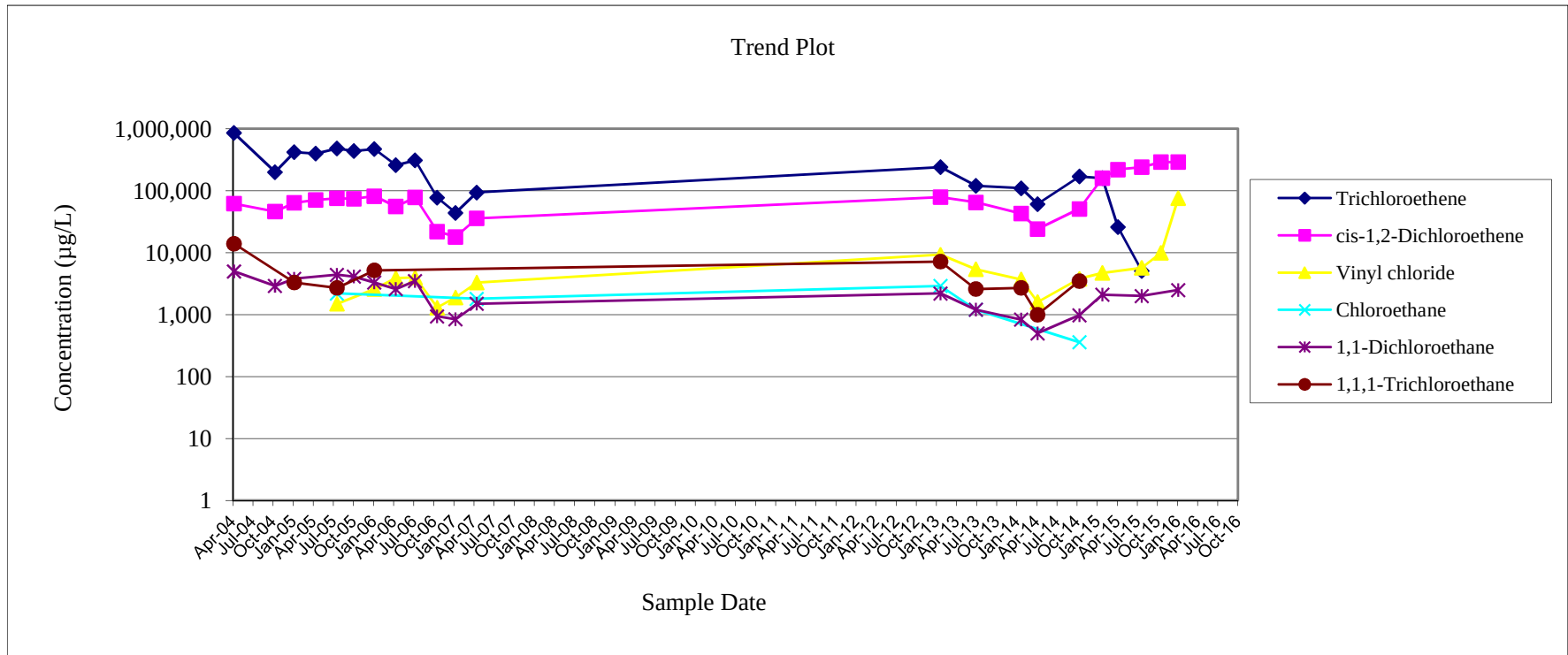
Trend Plot



PIEZOMETER MW-16S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	860,000	62,000	< 20,000	< 20,000	5,000	14,000
10/12/2004	200,000	46,000	< 10,000	< 10,000	2,900	< 10,000
1/7/2005	420,000	64,000	< 10,000	< 10,000	3,800	3,300
4/15/2005	400,000	71,000	< 25,000	< 25,000	< 25,000	< 25,000
7/21/2005	480,000	76,000	1,500	2,200	4,400	2,700
10/5/2005	440,000	74,000	< 25,000	< 25,000	4,100	< 25,000
1/6/2006	470,000	82,000	2,600	< 20,000	3,300	5,200
4/14/2006	260,000	56,000	3,900	< 20,000	2,600	< 20,000
7/10/2006	310,000	78,000	4,000	< 20,000	3,500	< 20,000
10/19/2006	77,000	22,000	1,300	< 5,000	940	< 5,000
1/10/2007	44,000	18,000	1,900	< 2,500	840	< 2,500
4/17/2007	94,000	36,000	3,300	1,800	1,500	< 5,000
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

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



PIEZOMETER MW-16D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1,1-Tetrachloroethane
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

PIEZOMETER MW-16D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

