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November 8, 2013

Mr. Glenn May
New York State Department of Environmental Conservation, Region 9
270 Michigan Avenue
Buffalo, NY 14203-2999

**Subject: Fourth Quarter 2013 Groundwater Monitoring Report
October 2013 Sampling Event
Former Scott Aviation Facility – Plant 2
Lancaster, New York
NYSDEC Site Code No. 9-15-149**

Dear Mr. May:

On behalf of Scott Technologies, Inc., AECOM is pleased to provide the Fourth Quarter 2013 Groundwater Monitoring Report for the former Scott Aviation Facility (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 property (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 groundwater monitoring requirements. A new monitoring schedule was implemented based on Table 10 presented in the Periodic Review Report (PRR) (April 3, 2012 through April 3, 2013), dated July 2013, and the wells sampled during this groundwater monitoring event reflect this schedule. Additionally, vapor samples were collected as part of the October 2013 sampling event from the combined dual-phase extraction (DPE) remediation system's air discharge sampling ports 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 DPE remediation system, and a summary of groundwater quality and vapor effluent results.

Project Background

Scott Aviation, Inc. was sold to Zodiac Acquisitions Corporation, and the facility is now occupied by AVOX Systems Inc. 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. Scott Technologies, Inc. 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 2007. 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 proposed groundwater monitoring schedule for the site from January 2014 through October 2014). The August 2010 NYSDEC letter also stated that, as of that correspondence, the RAER should be revised into a 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. An IC/EC certification was included with the three previous PRRs.

Quarterly Groundwater Monitoring Activities – October 2013

AECOM personnel collected quarterly groundwater samples on October 9-10, 2013, in accordance with the procedures outlined in the NYSDEC-approved RDWP. Monitoring wells sampled in October 2013 included MW-2, MW-3, MW-6, MW-8R, MW-10, MW-11, MW-12, and MW-13S (**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 8260B.

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 October 9, 2013. A summary of current and historical groundwater levels and corresponding elevations and hydrographs for each monitoring well and nested piezometer pair are provided in **Appendix B**. Monitoring wells MW-2, MW-3, MW-6, MW-8R, MW-9, MW-10, MW-11, and MW-12 are screened across both the shallow and deep overburden groundwater zones. The nested piezometer pairs (MW-13S/D, MW-14S/D, MW-15S/D, and MW-16S/D) are discretely screened with one piezometer screened in the shallow overburden groundwater zone ('S' designation) and one piezometer screened in the deep overburden groundwater zone ('D' designation). **Figure 4** provides the groundwater surface contours and the corresponding groundwater flow direction using monitoring well and deep piezometer water elevation data collected on October 9, 2013.

Groundwater elevations measured on October 9, 2013 ranged from 685.42 feet above mean sea level (AMSL) at MW-15S to 673.67 feet AMSL at MW-15D. The average groundwater surface elevation across the site was 3.2 feet higher when compared to the prior round of groundwater measurements collected on July 1, 2013 as the DPE system was temporarily shut down for repairs during the October measuring event. Based on the October 2013 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 – October 2013

Table 3 summarizes VOC data for groundwater samples collected in October 2013. 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 of Rules and Regulations (NYCRR), Title 6, Part 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]).

**Groundwater Quality Results
October 2013**

VOCs Detected in Groundwater	Concentration Range (µg/L)	Number of Detections	RAO/NYCRR Exceedances
Vinyl chloride	0.9 – 2,700	4	3
cis-1,2-Dichloroethene	3.3 – 57,000	4	3
Chloroethane	3.8 - 16	4	2
1,1-Dichloroethane	6.9 - 470	2	2
Trichloroethene	49,000 – 100,000	2	2
1,1-Dichloroethene	0.98 - 470	2	1
Benzene	1.0	1	1
Acetone	4.3	1	0

Eight VOCs were detected in groundwater above their associated detection limit during the monitoring period. Seven of the eight VOCs detected exceeded either the site-specific RAOs for groundwater or the NYCRR criteria. The most prevalent compounds detected in groundwater in October 2013 included vinyl chloride (VC), cis-1,2-dichloroethene (cis-1,2-DCE), chloroethane, 1,1-dichloroethane (1,1-DCA), trichloroethene, and 1,1-dichloroethene (1,1-DCE). The occurrence of these compounds is 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 October 2013 groundwater monitoring event is provided in **Appendix C**. A complete hard copy of the analytical data report is on file in AECOM's Amherst, New York office, which can be made available to NYSDEC upon request.

The presence and distribution of TCE daughter products (cis-1,2-DCE and VC) and 1,1,1-TCA daughter products (1,1-DCA and chloroethane) provides supportive evidence that the attenuation of TCE and 1,1,1-TCA and its daughter products, via reductive dechlorination, continues to occur at the site naturally. In addition, attenuation may also be the result of the previously performed chemical oxidation injection pilot test. The occurrence of these daughter products appears to be directly related to the distribution of TCE and 1,1,1-TCA in the subsurface.

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 potentially as a result of the chemical oxidation injection pilot test. 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 eight monitoring wells and piezometers sampled in October 2013 is included in **Table 4**. Recall that the DPE component of the combined remediation system was started May 14, 2004, and the chemical oxidation injection pilot test with a first series of injections was performed between July and October 2010, and a second series of injections 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 October 2013 groundwater data, there were increases in TCE concentrations at MW-8R and MW-13S from the previous groundwater sampling event. 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 – October 2013

AECOM personnel collected one vapor effluent sample from the groundwater remediation system vapor discharge stack on October 9, 2013. A Summa canister was used to collect the vapor sample from the permanent sample ports located on the air stripper air stack. **Figure 3** shows the location of the vapor sample ports. Note an air sample was not obtained from the vapor effluent discharge from the DPE system at the liquid ring pump (LRP) as the DPE system was temporarily shut down for repairs. The only sample collected during this event was obtained from the air stripper (AS) unit discharge. The air sample was analyzed for VOCs using EPA Method TO-15 (modified TO-14A) by TestAmerica Laboratories, Inc. located in Burlington, Vermont.

Combined DPE Remediation System Effluent Monitoring Results – October 2013

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 Amherst, New York office). Ten VOCs were detected in the AS unit effluent. The total VOCs discharged were 512.6 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in the AS unit effluent. The calculated VOC discharge-loading rate for the combined DPE remediation system was approximately 0.0002 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:

- On September 18, 2013 AECOM's subcontractor Matrix Environmental Technologies, Inc. removed and transported the DPE liquid ring pump (LRP) to the manufacturer for repair. Note: The DPE remediation system is temporarily turned off while the LRP is being evaluated for repair; the GWCT remediation system remains running.

The combined DPE remediation system was partially operational throughout the monitoring period. Based on a system operational period from July 1, 2013 (third quarter groundwater sampling event) to October 10, 2013, the total combined DPE system runtime was approximately 75 percent. This runtime percentage was derived by dividing the LRP run timer (43,476.6 hours on October 10, 2013 minus 41,657.6 hours on July 1, 2013 equals 1,819 hours) by the duration of the monitoring period (2,137 hours). During this operational period, the estimated total volume of groundwater treated

and discharged by the AS unit to the local sanitary sewer was 147,777 gallons at a combined average flow rate of 1.02 gallons per minute.

Summary

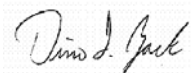
The combined DPE remediation system (DPE and GWCT) was partially operational during Fourth Quarter 2013 groundwater sampling and monitoring activities that occurred on October 9-10, 2013 as a result of preventive service to the DPE LRP. TCE was not detected above its RAO in site perimeter monitoring wells MW-2, MW-3, MW-6, MW-10, MW-11 and MW-12.

Based on the results of the October 2013 sampling event, the combined DPE remediation system 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 Fourth Quarter 2013 were less than the NYSDEC discharge guidance value of 0.5 lb/hr (note again, the DPE system was temporarily down for preventive service during the sampling event).

The next monitoring event is scheduled for January 2014; 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) 836-4506 or via e-mail at dino.zack@aecom.com.

Yours sincerely,

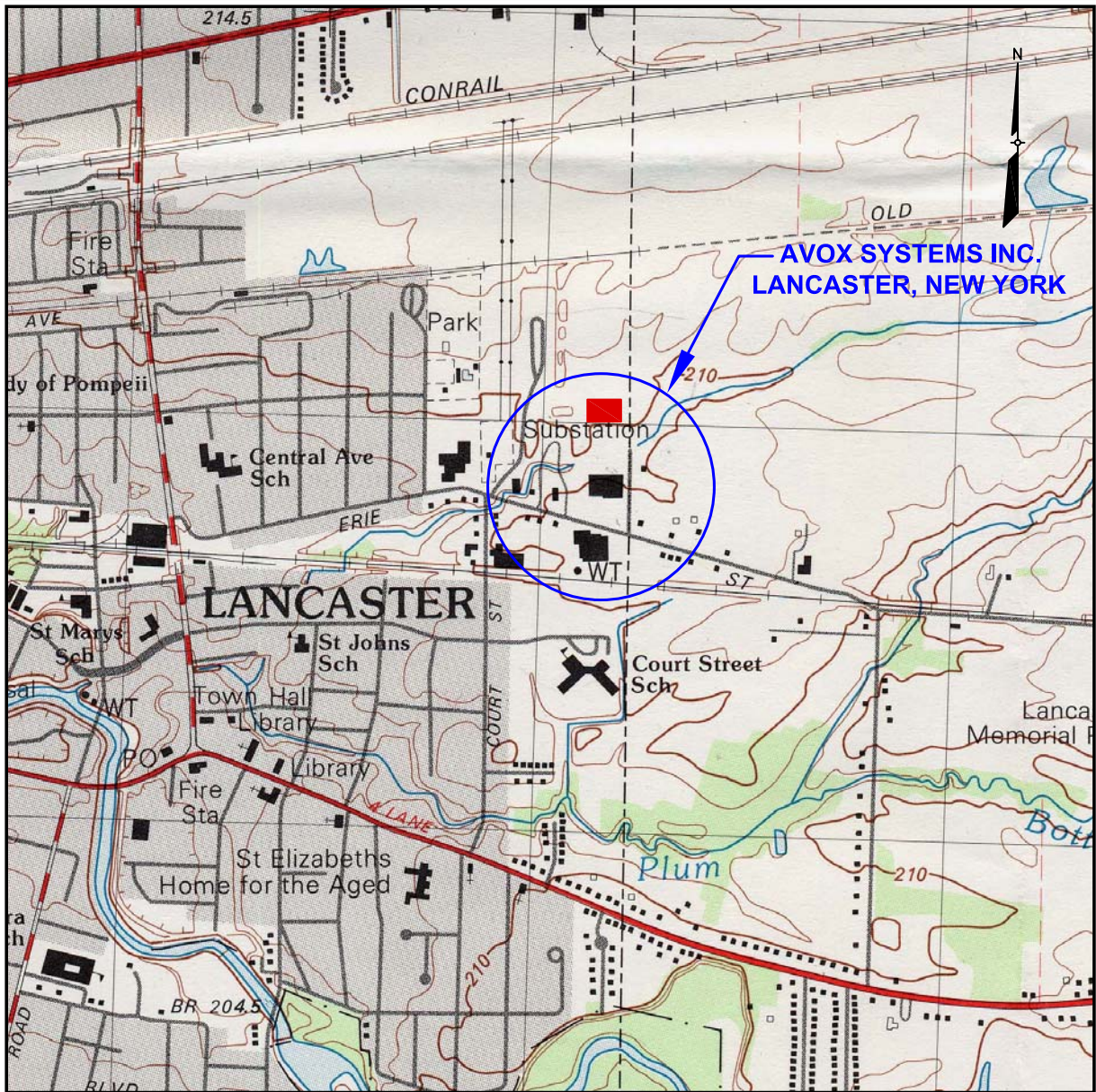


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\Enclosures

cc: Deanna Ripstein, NYSDOH – Western Regional Office (Electronic Copy)
Jennifer Davide, AVOX Systems Inc. (Electronic Copy)
Stuart Rixman, Tyco International (Electronic Copy)
Joseph Janeczek, Tyco International (Electronic Copy)
AECOM Project File (Electronic Copy)

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.

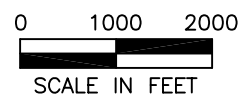
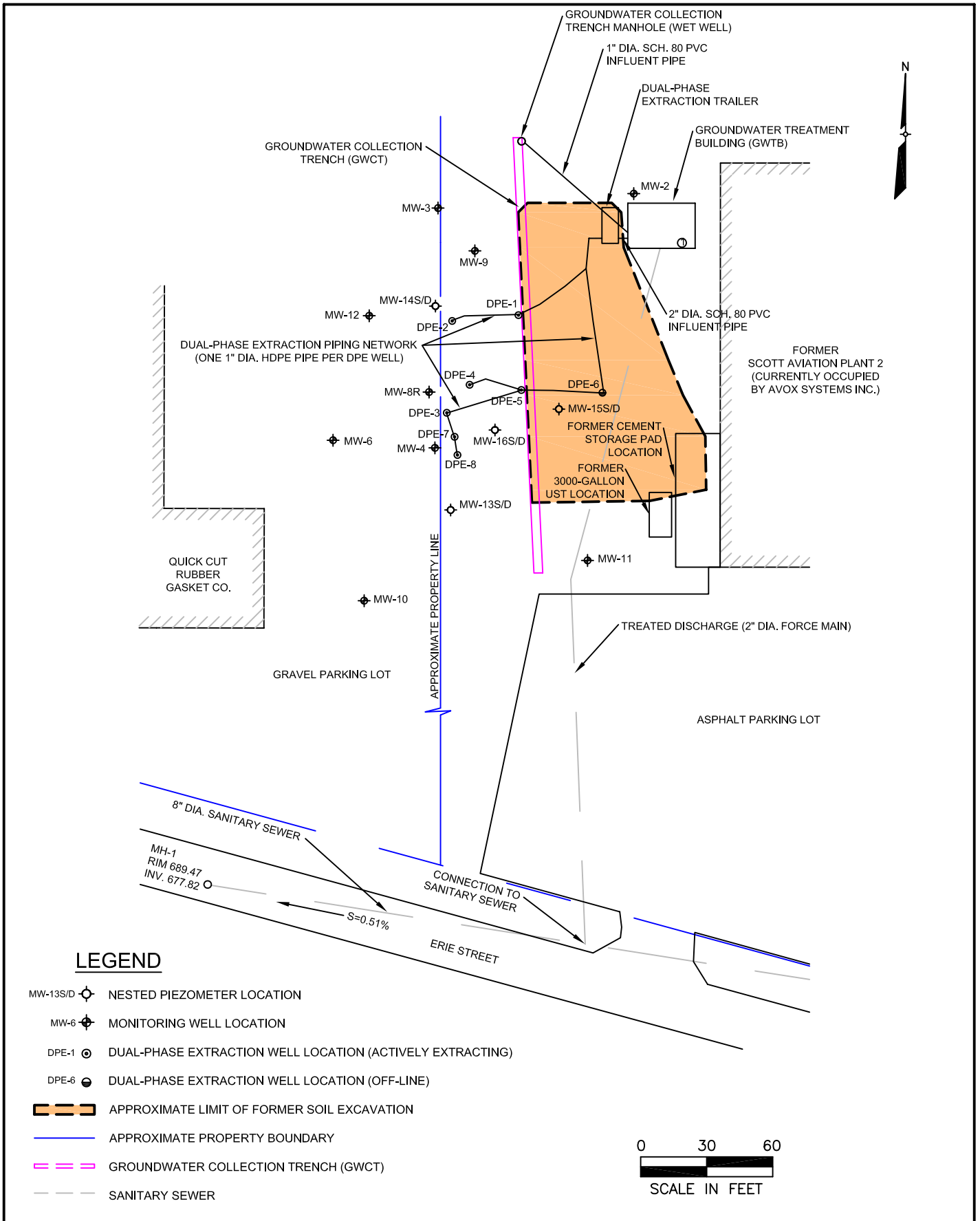


FIGURE 1
SITE LOCATION MAP

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

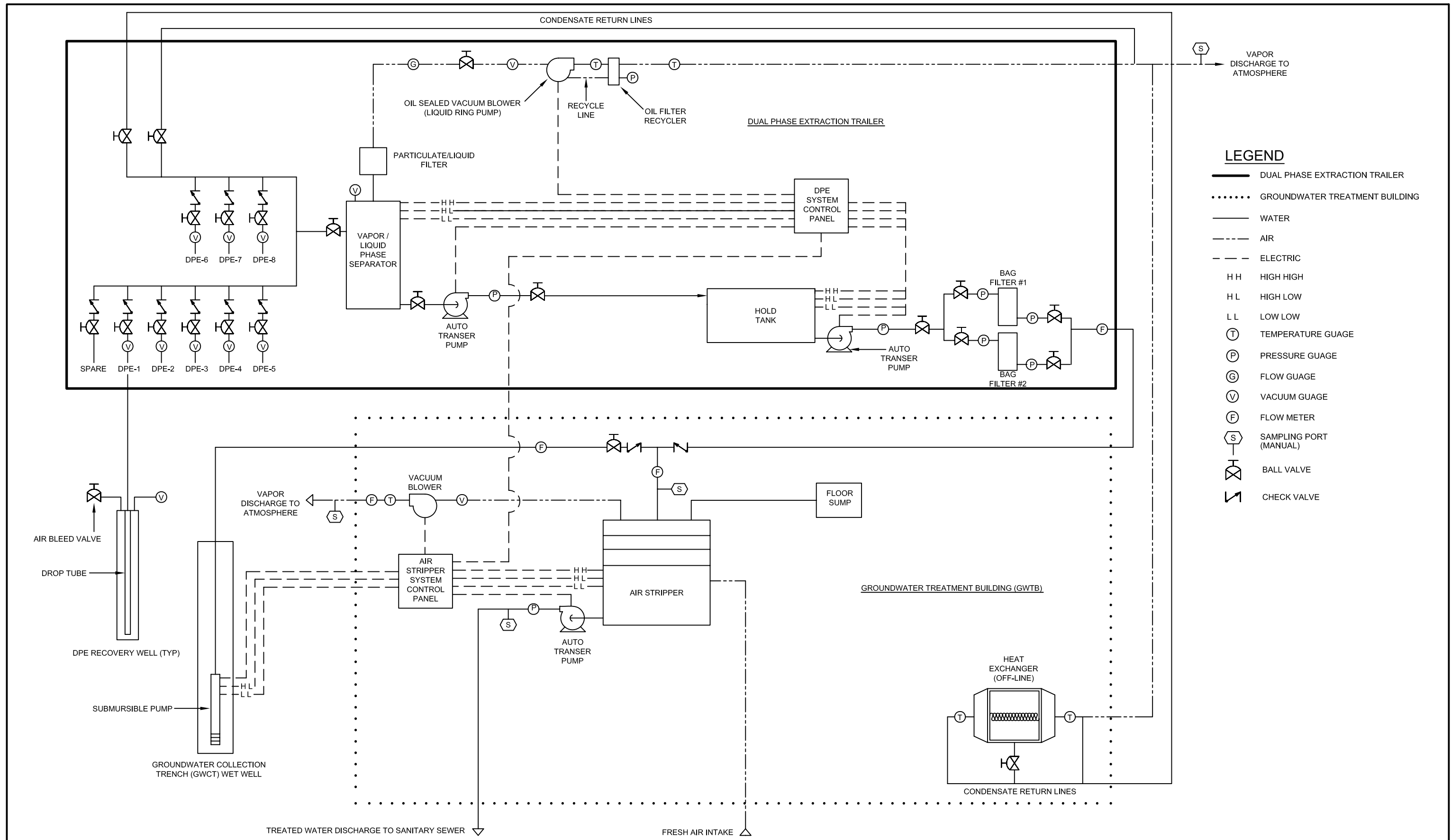




**FIGURE 2
SITE FEATURES MAP**

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK





LEGEND

- DUAL PHASE EXTRACTION TRAILER
- GROUNDWATER TREATMENT BUILDING
- WATER
- - - AIR
- - - ELECTRIC
- HH HIGH HIGH
- HL HIGH LOW
- LL LOW LOW
- (T) TEMPERATURE GAUGE
- (P) PRESSURE GAUGE
- (G) FLOW GAUGE
- (V) VACUUM GAUGE
- (F) FLOW METER
- (S) SAMPLING PORT (MANUAL)
- (X) BALL VALVE
- (|/|) CHECK VALVE



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 - October 9, 2013

Former Scott Aviation Facility
 NYSDEC Site Code No. 9-15-149
 Lancaster, New York

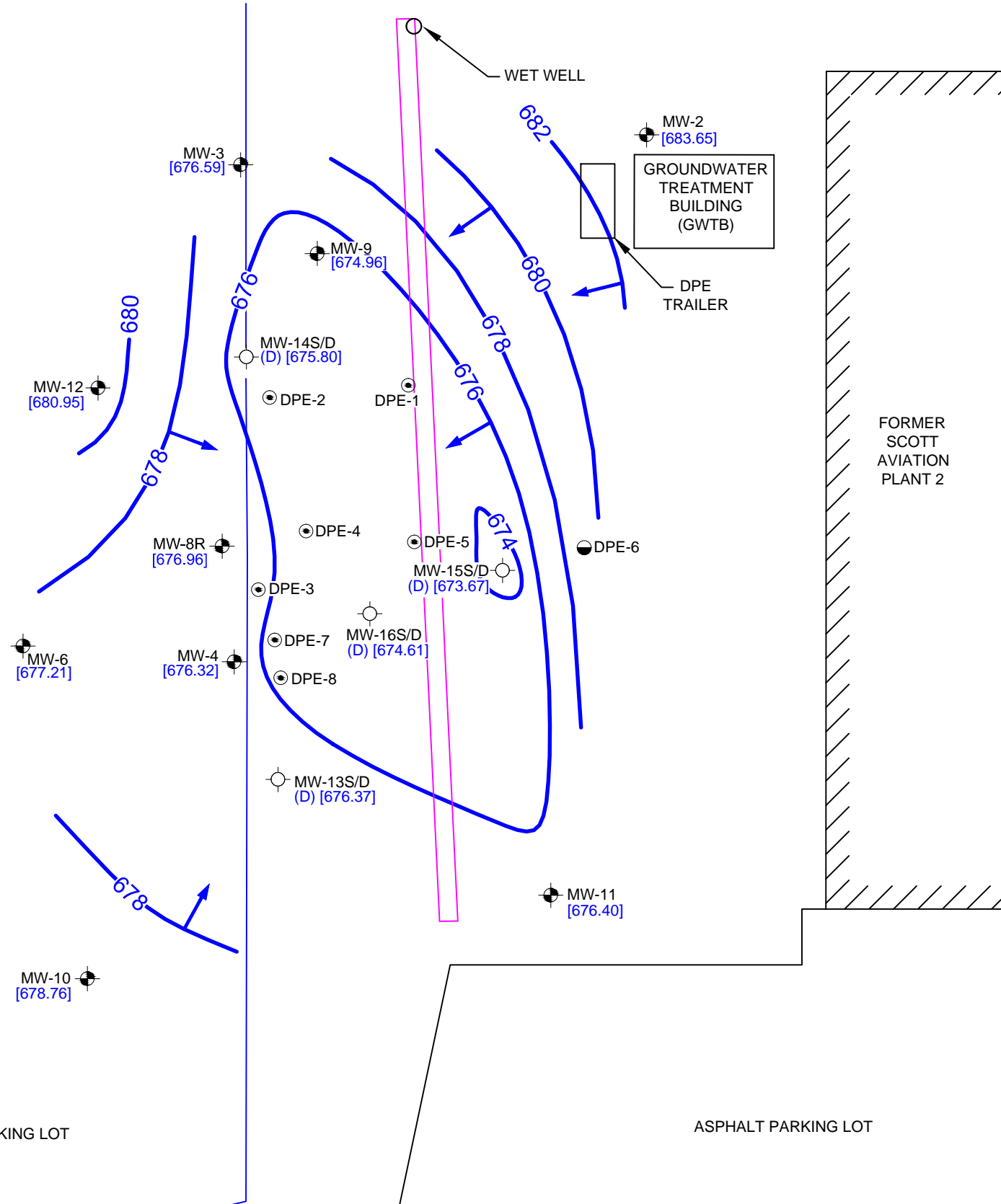
Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	690.35	6.70	683.65
MW-3	687.02	10.43	676.59
MW-4	686.42	10.10	676.32
MW-6	686.53	9.32	677.21
MW-8R	686.21	9.25	676.96
MW-9	688.64	13.68	674.96
MW-10	687.41	8.65	678.76
MW-11	688.65	12.25	676.40
MW-12	686.15	5.20	680.95
Nested Piezometers			
MW-13S	686.60	4.10	682.50
MW-13D	686.73	10.36	676.37
MW-14S	685.70	5.60	680.10
MW-14D	685.82	10.02	675.80
MW-15S	687.52	2.10	685.42
MW-15D	687.62	13.95	673.67
MW-16S	685.84	3.80	682.04
MW-16D	686.01	11.40	674.61

Notes:
 TOC - Top of Casing
 AMSL - Above Mean Sea Level
 NA - Not available



GRAVEL PARKING LOT

ASPHALT PARKING LOT



LEGEND

- MW-13S/D NESTED PIEZOMETER LOCATION
- MW-9 MONITORING WELL LOCATION
- DPE-8 DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)
- DPE-2 DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)
- [676.59] GROUNDWATER SURFACE ELEVATION IN FEET MSL
- 674 ESTIMATED GROUNDWATER SURFACE CONTOUR IN FEET MSL
- GROUND WATER FLOW DIRECTION
- (D) DEEP PIEZOMETER
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY

- NOTES**
- GROUNDWATER ELEVATIONS FROM THE DEEP PIEZOMETER PAIR LOCATIONS (i.e. MW-13D, MW-14D, MW-15D, MW-16D) WERE USED TO CREATE THE GROUNDWATER SURFACE CONTOURS.
 - GROUNDWATER WATER LEVELS WERE COLLECTED ON OCTOBER 9, 2013.

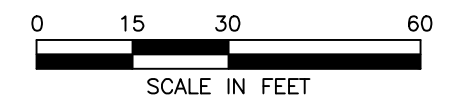


FIGURE 4
 GROUNDWATER SURFACE CONTOUR MAP
 OCTOBER 2013
 DEEP OVERBURDEN GROUNDWATER ELEVATIONS
 FORMER SCOTT AVIATION FACILITY
 LANCASTER, NEW YORK

TABLES

Table 1

**Groundwater Monitoring Schedule - January 2014 through October 2014
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Event Date (Frequency)	Number of Wells/Piezometers Sampled	Wells/Piezometers Sampled			
January 2014 (Quarterly)	8	MW-2 MW-10	MW-3 MW-11	MW-4 MW-12	MW-6 MW-16S
April 2014 (Annual)	17	MW-2 MW-8R MW-12 MW-14D MW-16D	MW-3 MW-9 MW-13S	MW-4 MW-10 MW-13D MW-15D	MW-6 MW-11 MW-14S MW-16S
July 2014 (Quarterly)	8	MW-2 MW-10	MW-3 MW-11	MW-6 MW-12	MW-8R MW-13S
October 2014 (Quarterly)	8	MW-2 MW-10	MW-3 MW-11	MW-4 MW-12	MW-6 MW-16S

Notes:

Groundwater monitoring schedule revised per NYSDEC letter dated August 16, 2010.

Table 2

**Quarterly Groundwater Monitoring Water Level Data - October 9, 2013
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	6.70	683.65
MW-3	687.02	10.43	676.59
MW-4	686.42	10.10	676.32
MW-6	686.53	9.32	677.21
MW-8R	686.21	9.25	676.96
MW-9	688.64	13.68	674.96
MW-10	687.41	8.65	678.76
MW-11	688.65	12.25	676.40
MW-12	686.15	5.20	680.95
Nested Piezometers			
MW-13S	686.60	4.10	682.50
MW-13D	686.73	10.36	676.37
MW-14S	685.70	5.60	680.10
MW-14D	685.82	10.02	675.80
MW-15S	687.52	2.10	685.42
MW-15D	687.62	13.95	673.67
MW-16S	685.84	3.80	682.04
MW-16D	686.01	11.40	674.61

Notes:

TOC - Top of Casing

AMSL - Above Mean Sea Level

NA - Not available

Table 3

Summary of Laboratory Analytical Data for Groundwater - October 2013
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID Date Collected Lab Sample ID	Groundwater RAO/ NYCRR Objectives	MW-2 10/09/13 480-47807-1	MW-3 10/10/13 480-47807-6	MW-6 10/10/13 480-47807-4	MW-8R 10/10/13 480-47807-7
Volatile Organic Compounds by Method 8260 (µg/L)					
Acetone	50	< 1 U	< 1 U	< 1 U	< 1,000 U
1,1-Dichloroethane	5	< 1 U	7.9	< 1 U	< 1,000 U
1,1-Dichloroethene	5	< 1 U	< 1 U	< 1 U	470 J
Benzene	1	< 1 U	< 1 U	< 1 U	< 1,000 U
Chloroethane	5	3.9	3.8	< 1 U	< 1,000 U
cis-1,2-Dichloroethene	5	< 1 U	3.3	< 1 U	57,000
Trichloroethene	5	< 1 U	< 1 U	< 1 U	100,000
Vinyl chloride	2	< 1 U	9.1	< 1 U	2,700
Volatile Organic Compounds by Method 8260 (µg/L)					
Sample ID Date Collected Lab Sample ID	Groundwater RAO/ NYCRR Objectives	MW-10 10/09/13 480-47807-3	MW-11 10/09/13 480-47807-2	MW-12 10/10/13 480-47807-5	MW-13S 10/10/13 480-47807-8
Acetone	50	< 1 U	< 1 U	4.3 J	< 1,000 U
1,1-Dichloroethane	5	< 1 U	6.9	< 1 U	< 1,000 U
1,1-Dichloroethene	5	< 1 U	0.98 J	< 1 U	< 1,000 U
Benzene	1	< 1 U	< 1 U	1	< 1,000 U
Chloroethane	5	< 1 U	5.5	16	< 1,000 U
cis-1,2-Dichloroethene	5	< 1 U	27	< 1 U	31,000
Trichloroethene	5	< 1 U	< 1 U	< 1 U	49,000
Vinyl chloride	2	< 1 U	14	0.95 J	< 1,000 U

Notes:

µg/L - micrograms per liter

RAO - Remedial Action Objective

NYCRR - New York Code of Rules and Regulations, Title 6, Part 702.15 (a)(2) and 703.5

Bold font indicates the analyte was detected.

Bold outline indicates the screening criteria was exceeded.

U - Indicates compound below associated detection level.

J - Indicates an estimated value.

Table 4

Summary of Historical and Current Trichloroethene Concentrations - October 2013
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	Apr 2009 ⁴	
MW-2	<1	NA	NA	NA	<10	NA	NA	<25	<25	<25	<5	<5	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW-3	<1	NA	NA	NA	<10	NA	NA	<25	<25	<25	<5	<5	<20	<5	5	<5	<5	<5	<5	<5	<5	<5
MW-4	249	NA	8,100	20,000	NA	NA	NA	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	4,100	4,100
MW-6	<1	NA	<10	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	0.63	<5	<5	<5	<5	<5	<5	<5
MW-8R	NA	NA	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	13,000	13,000
MW-10	<1	NA	NA	NA	<10	NA	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MW- 11	NA	NA	NA	NA	<10	NA	NA	2.2	<20	<20	6.8	2.6	0.89	<5	0.71	1.1	0.49	1	0.81	0.77	0.95	0.95
MW-12	NA	NA	13	<10	<10	<5	<5	<25	<25	<25	NA	<5	<20	<5	<5	<5	<5	<5	<5	NA	<5	<5
MW-13S	NA	10,000	2,100	10,000	760	870	410	NA	NA	17,000	1,300	1,700	4,400	220	570	1,800	580	1,800	5,800	3,400	3,400	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	130,000	130,000

Notes:

NA - Not Analyzed

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.

Table 4

Summary of Historical and Current Trichloroethene Concentrations - October 2013
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
	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		
MW-2	<5	<5	<25	<25	<25	350 ⁶	<1	<1	<1	<1	<1	<1	<1	<1	0.89	<1	<1	<1	ND	ND
MW-3	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	0.98	<1	<1	<1	ND	ND
MW-4	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	NS
MW-6	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND
MW-8R	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	increase	increase
MW-10	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND
MW- 11	0.69	0.97	0.77	0.95	1	0.8	NS	1.2	<1	<1	<1	0.51	<1	<1	<1	<1	<1	0.46	ND	ND
MW-12	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND
MW-13S	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	increase	increase
MW-16S	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	NS	NS

Notes:

NA - Not Analyzed

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.

Table 5

**Vapor Monitoring Results - October 2013
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

	Sample ID: Sample Date:	LRP Effluent 10/9/2013	AS Effluent 10/9/2013
<u>VOCs by Method TO-15 (µg/m³)</u>			
Vinyl Chloride		-	77
Benzene		-	2.2
Toluene		-	5.3
n-Heptane		-	1.8
n-Hexane		-	3.2
Carbon disulfide		-	5.1
1,1-Dichloroethane		-	5.0
Chloroethane		-	39
1,2-Dichloroethene (total)		-	290
Trichloroethene		-	84
Total Detected VOCs (µg/m ³)			512.60
Vacuum (inches Hg)*	NA		0.40
Air Flow Rate (acfm)*	NA		118
VOC discharge loading (lb/hr)	NA		0.0002
Total VOC discharge loading (lb/hr)		0.0002	

Notes:

* The LRP was taken off line for service; 4Q13 sample was not collected.

* The air stripper vacuum measured on October 9, 2013 was 5.5 inches H₂O and the flow rate was 115 scfm.

1. µg/m³ = micrograms per cubic meter
2. acfm = actual cubic feet per minute
3. scfm = standard cubic feet per minute
4. lb/hr = pounds per hour
5. LRP Effluent represents the untreated vapor discharge for the Liquid Ring Pump.
6. AS Effluent represents the untreated vapor discharge for the Air Stripper.

Qualifiers:

U - Not detected at or above reporting limit (reporting limit not included in the Total Detected VOCs).



APPENDIX A

Field Forms

Date (mo/day/yr) 10/9/2013
 Field Personnel Dino Zack
 Site Name Former Scott Aviation Site - Lancaster, NY
 Job # 60288479
 Well ID # MW-2
 _____ Upgradient _____ Downgradient
 Weather Conditions overcast
 Air Temperature 35 ° F
 Total Depth (TWD) Below Top of Casing = 16.4 1/100 ft
 Depth to Groundwater (DGW) Below Top of Casing = 6.7 1/100 ft
 Length of Water Column (LWC) = TWD - DGW = 9.7 1/100 ft
 1 Casing Volume (OCV) = LWC x 0.163 = _____ gal
 3 Casing Volumes = _____ gal
 Method of Well Evacuation Peristaltic Pump
 Method of Sample Collection Peristaltic Pump/Poly Tubing
 Total Volume of Water Removed -3 liter

Casing Diameter 2 inches
 Casing Material PVC
 Measuring Point Elevation 690.35 1/100 ft
 Height of Riser (above land surface) _____ 1/100 ft
 Land Surface Elevation _____ 1/100 ft
 Screened Interval (below land surface) 7-17 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100	100	100		
Time (Military)	10:15	10:20	10:25	10:30	10:35	10:40		
Depth to Groundwater Below Top of Casing (ft)	7.22	7.47	7.93	8.05	8.11	8.24		
Drawdown (ft)	-0.52	-0.25	-0.46	-0.12	-0.06	-0.13		
pH (S.U.)	6.31	6.37	6.39	6.41	6.45	6.46		
Sp. Cond. (mS/cm)	1748	1751	1767	1773	1768	1765		
Turbidity (NTUs)	12.65	10.62	8.71	9.68	7.25	6.69		
Dissolved Oxygen (mg/L)	0.3	0.3	0.2	0.1	0	0		
Water Temperature (°C)	14.9	14.9	14.9	14.9	14.9	15.1		
ORP (mV)	-55.9	-71.3	-86.1	-91.1	-89	-88.2		

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

COMMENTS/OBSERVATIONS Sample at 10:45hrs

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 10/10/2013
 Field Personnel Dino Zack
 Site Name Former Scott Aviation Site - Lancaster, NY
 Job # 60288479
 Well ID # MW-3
 _____ Upgradient _____ Downgradient
 Weather Conditions overcast
 Air Temperature 50 ° F
 Total Depth (TWD) Below Top of Casing = 28 1/100 ft
 Depth to Groundwater (DGW) Below Top of Casing = 10.43 1/100 ft
 Length of Water Column (LWC) = TWD - DGW = 17.57 1/100 ft
 1 Casing Volume (OCV) = LWC x 0.163 = _____ gal
 3 Casing Volumes = _____ gal
 Method of Well Evacuation Peristaltic Pump
 Method of Sample Collection Peristaltic Pump/Poly Tubing
 Total Volume of Water Removed -3 liter

Casing Diameter 2 inches
 Casing Material PVC
 Measuring Point Elevation 687.72 1/100 ft
 Height of Riser (above land surface) _____ 1/100 ft
 Land Surface Elevation _____ 1/100 ft
 Screened Interval (below land surface) 7.5 - 27.5 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100	100	100		
Time (Military)	13:10	13:15	13:20	13:25	13:30	13:35		
Depth to Groundwater Below Top of Casing (ft)	13.87	13.98	14.15	14.26	14.38	14.47		
Drawdown (ft)	-3.44	-0.11	-0.17	-0.11	-0.12	-0.09		
pH (S.U.)	7.14	7.11	7.09	7.05	7.04	7.05		
Sp. Cond. (mS/cm)	1143	1143	1139	1134	1135	1134		
Turbidity (NTUs)	5.91	3.69	2.79	3.02	3.31	2.78		
Dissolved Oxygen (mg/L)	0.62	0.18	0.19	0.17	0.17	0.16		
Water Temperature (°C)	14.35	14.36	14.34	14.33	14.32	14.33		
ORP (mV)	1.78	13.7	21.9	24.8	28.2	29.4		

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

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

COMMENTS/OBSERVATIONS Sample at 13:45 hrs

Date (mo/day/yr) 10/10/2013
 Field Personnel Dino Zack
 Site Name Former Scott Aviation Site - Lancaster, NY
 Job # 60288479
 Well ID # MW-6
 _____ Upgradient _____ Downgradient
 Weather Conditions overcast
 Air Temperature 50
 Total Depth (TWD) Below Top of Casing = 25 1/100 ft
 Depth to Groundwater (DGW) Below Top of Casing = 9.32 1/100 ft
 Length of Water Column (LWC) = TWD - DGW = 15.68 1/100 ft
 1 Casing Volume (OCV) = LWC x 0.163 = _____ gal
 3 Casing Volumes = _____ gal
 Method of Well Evacuation Peristaltic Pump
 Method of Sample Collection Peristaltic Pump/Poly Tubing
 Total Volume of Water Removed -3 liter

Casing Diameter 2 inches
 Casing Material PVC
 Measuring Point Elevation 686.68 1/100 ft
 Height of Riser (above land surface) _____ 1/100 ft
 Land Surface Elevation _____ 1/100 ft
 Screened Interval (below land surface) 14.5 - 24.5 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100	100	100		
Time (Military)	12:30	12:35	12:40	12:45	12:50	12:55		
Depth to Groundwater Below Top of Casing (ft)	10.5	10.61	10.9	11.03	11.14	11.25		
Drawdown (ft)	-1.18	-0.11	-0.29	-0.13	-0.11	-0.11		
pH (S.U.)	7.42	7.37	7.38	7.37	7.36	7.36		
Sp. Cond. (mS/cm)	889	826	819	797	791	791		
Turbidity (NTUs)	48.2	39.5	35.7	32.7	21.9	18.1		
Dissolved Oxygen (mg/L)	2.81	1.83	1.46	1.27	1.1	0.86		
Water Temperature (°C)	15.16	15.16	15.05	14.94	14.98	15.01		
ORP (mV)	-34.6	-51.7	-63.7	-61.9	-66.8	-71.2		

Physical appearance at start Color slightly cloudy
 Odor no
 Sheen/Free Product no

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

COMMENTS/OBSERVATIONS Sample at 13:00hrs

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 10/10/2013
 Field Personnel Dino Zack
 Site Name Former Scott Aviation Site - Lancaster, NY
 Job # 60288479
 Well ID # MW-8R
 _____ Upgradient _____ Downgradient
 Weather Conditions overcast
 Air Temperature 50 ° F
 Total Depth (TWD) Below Top of Casing = 27.5 1/100 ft
 Depth to Groundwater (DGW) Below Top of Casing = 9.25 1/100 ft
 Length of Water Column (LWC) = TWD - DGW = 18.25 1/100 ft
 1 Casing Volume (OCV) = LWC x 0.163 = _____ gal
 3 Casing Volumes = _____ gal
 Method of Well Evacuation Peristaltic Pump
 Method of Sample Collection Peristaltic Pump/Poly Tubing
 Total Volume of Water Removed 4 liter

Casing Diameter 4 inches
 Casing Material PVC
 Measuring Point Elevation 685.67 1/100 ft
 Height of Riser (above land surface) _____ 1/100 ft
 Land Surface Elevation _____ 1/100 ft
 Screened Interval (below land surface) 14 - 24 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100	100	100	
Time (Military)	13:30	13:35	13:40	13:45	13:50	13:55	14:00
Depth to Groundwater Below Top of Casing (ft)	11.54	11.99	12.47	12.79	12.89	12.99	13.10
Drawdown (ft)	-2.29	-0.45	-0.48	-0.32	-0.1	-0.1	-0.11
pH (S.U.)	7.15	6.95	6.91	6.85	6.83	6.8	6.81
Sp. Cond. (S/cm)	3019	2588	2500	2465	2491	2561	2560
Turbidity (NTUs)	69.8	29.3	26.6	26.1	26.7	23.6	24.2
Dissolved Oxygen (g/L)	0.98	0.24	0.51	0.8	0.4	0.14	0.12
Water Temperature (°C)	8.1	8.1	8.1	8.1	8.1	8.2	8.4
ORP (mV)	-124.1	-131.2	-101.3	-81.3	-111.1	-122.8	-129.2

Physical appearance at start Color slightly cloudy
 Odor no
 Sheen/Free Product no

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

COMMENTS/OBSERVATIONS Sample at 14:10hrs

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 10/9/2013
 Field Personnel Dino Zack
 Site Name Former Scott Aviation Site - Lancaster, NY
 Job # 60288479
 Well ID # MW-10
 _____ Upgradient _____ Downgradient
 Weather Conditions overcast
 Air Temperature 45 ° F
 Total Depth (TWD) Below Top of Casing = 24 1/100 ft
 Depth to Groundwater (DGW) Below Top of Casing = 8.65 1/100 ft
 Length of Water Column (LWC) = TWD - DGW = 15.35 1/100 ft
 1 Casing Volume (OCV) = LWC x 0.163 = _____ gal
 3 Casing Volumes = _____ gal
 Method of Well Evacuation Peristaltic Pump
 Method of Sample Collection Peristaltic Pump/Poly Tubing
 Total Volume of Water Removed -3 liter

Casing Diameter 2 inches
 Casing Material PVC
 Measuring Point Elevation 687.72 1/100 ft
 Height of Riser (above land surface) _____ 1/100 ft
 Land Surface Elevation _____ 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	

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100	100	100		
Time (Military)	12:10	12:15	12:20	12:25	12:30	12:35		
Depth to Groundwater Below Top of Casing (ft)	8.99	9.21	9.32	9.45	9.51	9.69		
Drawdown (ft)	-0.34	-0.22	-0.11	-0.13	-0.06	-0.18		
pH (S.U.)	6.75	6.41	6.66	6.68	6.67	6.65		
Sp. Cond. (mS/cm)	1773	1688	1677	1673	1682	1685		
Turbidity (NTUs)	27.8	18.5	10.25	10.81	9.12	8.77		
Dissolved Oxygen (mg/L)	1.82	0.99	0.71	0.65	0.63	0.59		
Water Temperature (°C)	15.03	15.24	15.41	15.55	15.68	15.77		
ORP (mV)	-5.5	1.6	5.9	9.4	10.5	12.4		

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 Sample at 12:40hrs

Date (mo/day/yr) 10/9/2013
 Field Personnel Dino Zack
 Site Name Former Scott Aviation Site - Lancaster, NY
 Job # 60288479
 Well ID # MW-11
 _____ Upgradient _____ Downgradient
 Weather Conditions overcast
 Air Temperature 45
 Total Depth (TWD) Below Top of Casing = 28.5 1/100 ft
 Depth to Groundwater (DGW) Below Top of Casing = 12.25 1/100 ft
 Length of Water Column (LWC) = TWD - DGW = 16.25 1/100 ft
 1 Casing Volume (OCV) = LWC x 0.163 = _____ gal
 3 Casing Volumes = _____ gal
 Method of Well Evacuation Peristaltic Pump
 Method of Sample Collection Peristaltic Pump/Poly Tubing
 Total Volume of Water Removed -3 liter

Casing Diameter 2 inches
 Casing Material PVC
 Measuring Point Elevation 688.61 1/100 ft
 Height of Riser (above land surface) _____ 1/100 ft
 Land Surface Elevation _____ 1/100 ft
 Screened Interval (below land surface) 8.5 - 28.5 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100	100	100		
Time (Military)	10:55	11:00	11:05	11:10	11:15	11:20		
Depth to Groundwater Below Top of Casing (ft)	13.24	13.4	13.55	13.65	13.74	13.81		
Drawdown (ft)	-0.99	-0.16	-0.15	-0.1	-0.09	-0.07		
pH (S.U.)	6.56	6.56	6.58	6.57	6.57	6.58		
Sp. Cond. (mS/cm)	3655	3721	3847	3849	3851	3853		
Turbidity (NTUs)	2.47	2.31	1.78	1.79	1.54	1.35		
Dissolved Oxygen (mg/L)	0.87	0.25	0.22	0.21	0.19	0.17		
Water Temperature (°C)	14.3	14.2	14.2	14.3	13.9	13.9		
ORP (mV)	-49.6	-61.5	-67.7	-69.8	-76.4	-77.8		

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

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

COMMENTS/OBSERVATIONS Sample at 11:25 hrs

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 10/10/2013
 Field Personnel Dino Zack
 Site Name Former Scott Aviation Site - Lancaster, NY
 Job # 60288479
 Well ID # MW-12
 _____ Upgradient _____ Downgradient
 Weather Conditions overcast
 Air Temperature 55 ° F
 Total Depth (TWD) Below Top of Casing = 27.5 1/100 ft
 Depth to Groundwater (DGW) Below Top of Casing = 5.2 1/100 ft
 Length of Water Column (LWC) = TWD - DGW = 22.3 1/100 ft
 1 Casing Volume (OCV) = LWC x 0.163 = _____ gal
 3 Casing Volumes = _____ gal
 Method of Well Evacuation Peristaltic Pump
 Method of Sample Collection Peristaltic Pump/Teflon Tubing
 Total Volume of Water Removed -3 liter

Casing Diameter 4 inches
 Casing Material PVC
 Measuring Point Elevation 685.79 1/100 ft
 Height of Riser (above land surface) _____ 1/100 ft
 Land Surface Elevation _____ 1/100 ft
 Screened Interval (below land surface) 7 - 27 1/100 ft

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

FIELD ANALYSES

VOLUME PURGED (ml)	100	100	100	100	100	100		
TIME (Military)	14:00	14:05	14:10	14:15	14:20	14:25		
Depth to Groundwater Below Top of Casing (ft)	6.08	6.21	6.34	6.49	6.68	6.85		
Drawdown (ft)	-0.88	-0.13	-0.13	-0.15	-0.19	-0.17		
pH (S.U.)	6.87	6.89	6.84	6.87	6.87	6.87		
Sp. Cond. (mS/cm)	1148	1145	1147	1149	1151	1152		
Turbidity (NTUs)	35.6	18.7	11.2	14.3	10.5	9.8		
Dissolved Oxygen (mg/L)	3.46	0.78	0.61	0.57	0.45	0.41		
Water Temperature (°C)	15.11	15.08	15.02	15.06	15.07	15.08		
ORP (mV)	-66	-85.2	-93.5	-96.7	-98.4	-97.8		

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

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

COMMENTS/OBSERVATIONS Sample at 14:30 hrs

Date (mo/day/yr) 10/10/2013
 Field Personnel Dino Zack
 Site Name Former Scott Aviation Site - Lancaster, NY
 Job # 60288479
 Well ID # MW-13S
 _____ Upgradient _____ Downgradient
 Weather Conditions overcast
 Air Temperature 50 ° F
 Total Depth (TWD) Below Top of Casing = 16.5 1/100 ft
 Depth to Groundwater (DGW) Below Top of Casing = 4.1 1/100 ft
 Length of Water Column (LWC) = TWD - DGW = 12.4 1/100 ft
 1 Casing Volume (OCV) = LWC x 0.163 = _____ gal
 3 Casing Volumes = _____ gal
 Method of Well Evacuation Peristaltic Pump
 Method of Sample Collection Peristaltic Pump/Poly Tubing
 Total Volume of Water Removed 4 liter

Casing Diameter 1 inches
 Casing Material PVC
 Measuring Point Elevation 686.6 1/100 ft
 Height of Riser (above land surface) _____ 1/100 ft
 Land Surface Elevation _____ 1/100 ft
 Screened Interval (below land surface) 8.5-16.5 1/100 ft

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

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100	100	100		
Time (Military)	14:50	14:55	15:00	15:05	15:10	15:15		
Depth to Groundwater Below Top of Casing (ft)	5.9	6.74	7.49	7.12	6.89	6.79		
Drawdown (ft)	-1.8	-0.84	-0.75	0.37	0.23	0.1		
pH (S.U.)	7.31	7.35	7.32	7.21	7.2	7.2		
Sp. Cond. (mS/cm)	1504	1471	1719	1451	1477	1518		
Turbidity (NTUs)	47	41	43	42.1	40.3	39.8		
Dissolved Oxygen (mg/L)	0.6	1.4	2.3	1.9	1.6	0.99		
Water Temperature (°C)	14.1	14.2	14.2	14.3	14.1	14.0		
ORP (mV)	-83.7	-39	-15.2	-10.8	-9.6	-17.8		

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

COMMENTS/OBSERVATIONS Sample at 15:20 hrs



APPENDIX B

Summary of Groundwater Elevations

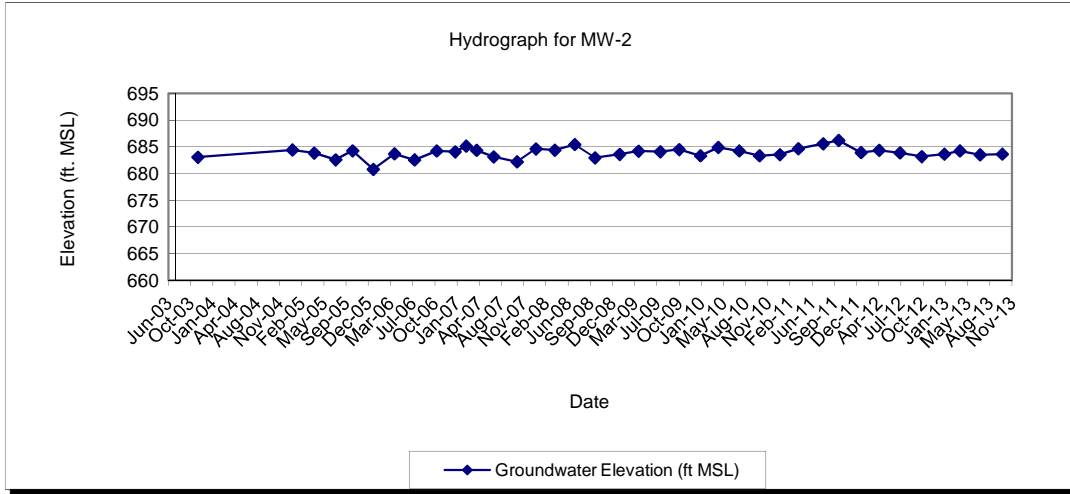
**MONITORING WELL MW-2
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York**

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	7.29	683.06
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	5.92	684.43
4/14/2005	6.50	683.85
7/20/2005	7.77	682.58
10/4/2005	6.08	684.27
1/5/2006	9.56	680.79
4/11/2006	6.65	683.70
7/10/2006	7.79	682.56
10/18/2006	6.11	684.24
1/9/2007	6.27	684.08
2/28/2007	5.20	685.15
4/16/2007	5.99	684.36
7/2/2007	7.22	683.13
10/15/2007	8.15	682.20
1/8/2008	5.73	684.62
4/2/2008	5.95	684.40
7/1/2008	4.90	685.45
9/30/2008	7.40	682.95
1/19/2009	6.75	683.60
4/14/2009	6.15	684.20
7/21/2009	6.25	684.10
10/14/2009	5.85	684.50
1/18/2010	7.00	683.35
4/8/2010	5.45	684.90
7/12/2010	6.10	684.25
10/11/2010	7.00	683.35
1/11/2011	6.80	683.55
4/4/2011	5.70	684.65
7/25/2011	4.75	685.60
10/3/2011	4.13	686.22
1/12/2012	6.40	683.95
4/2/2012	6.00	684.35
7/5/2012	6.47	683.88
10/11/2012	7.17	683.18
1/21/2013	6.72	683.63
4/1/2013	6.10	684.25
7/1/2013	6.84	683.51
10/9/2013	6.70	683.65

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**



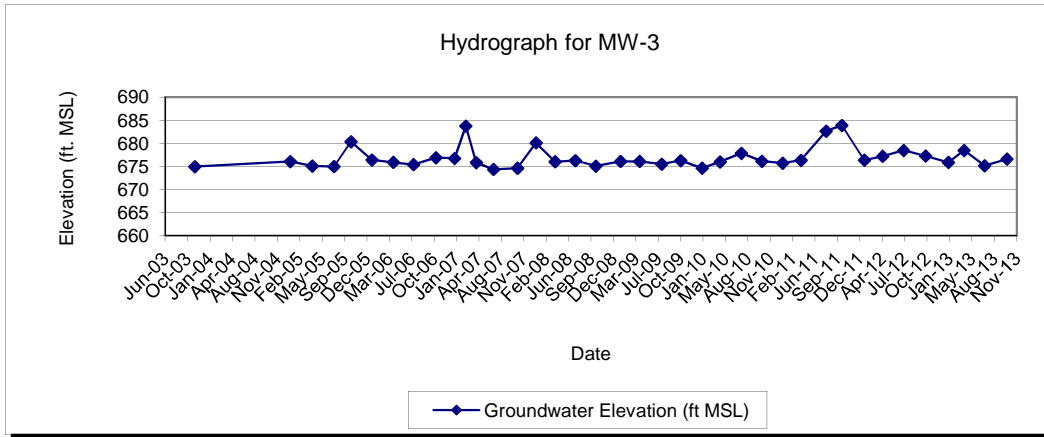
**MONITORING WELL MW-3
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York**

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

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**



**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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

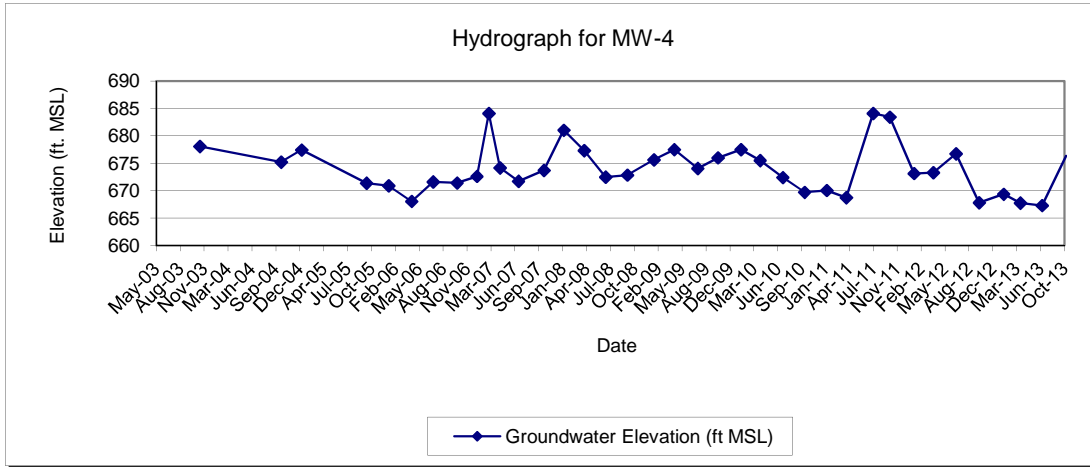
TOC Elevation - 686.64

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

**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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

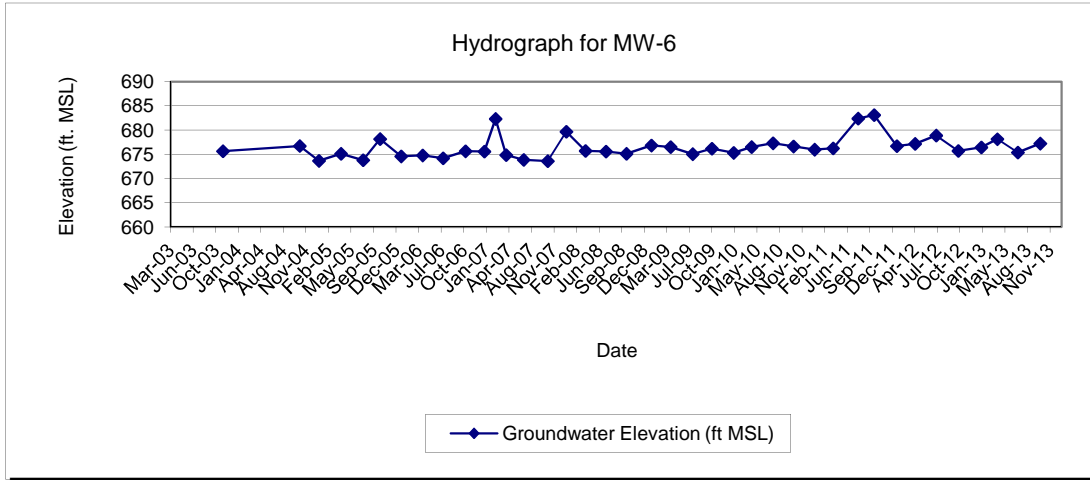
TOC Elevation - 686.68

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**



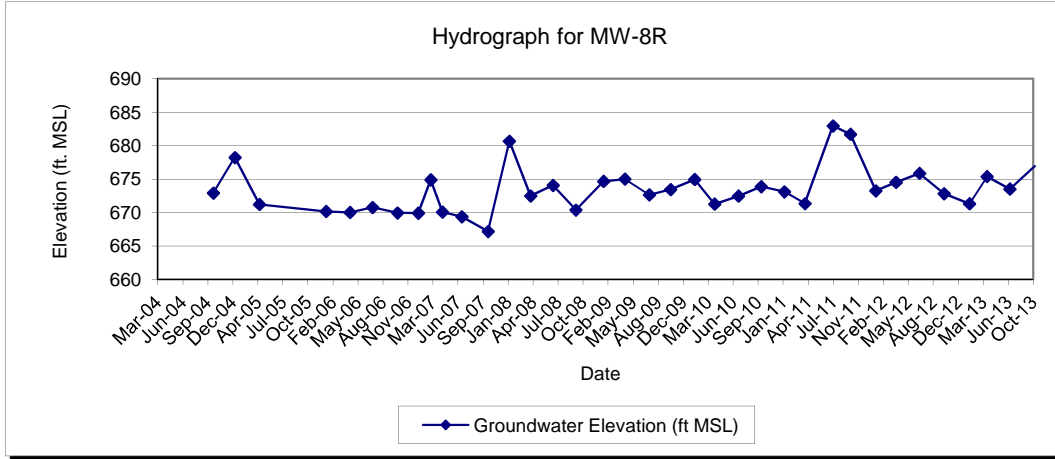
MONITORING WELL MW-8R
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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

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

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



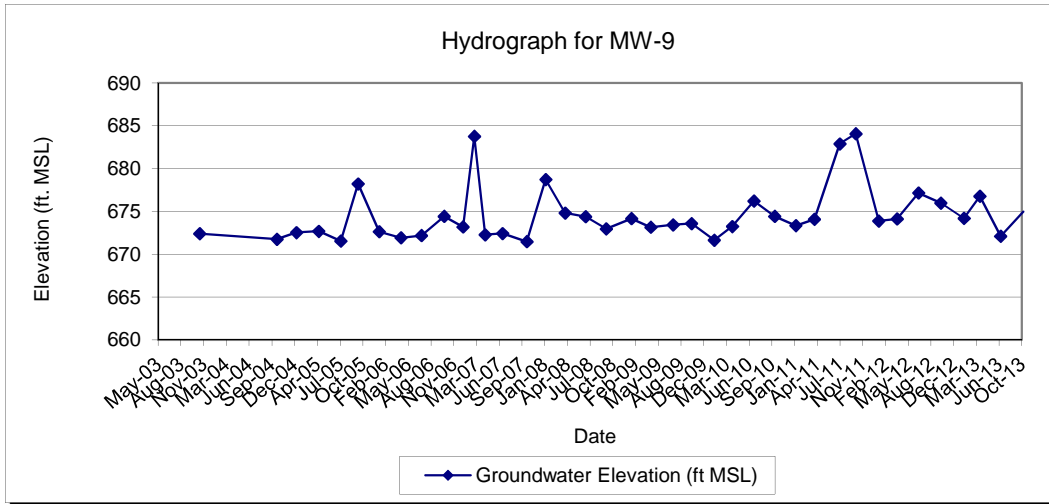
**MONITORING WELL MW-9
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York**

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

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**



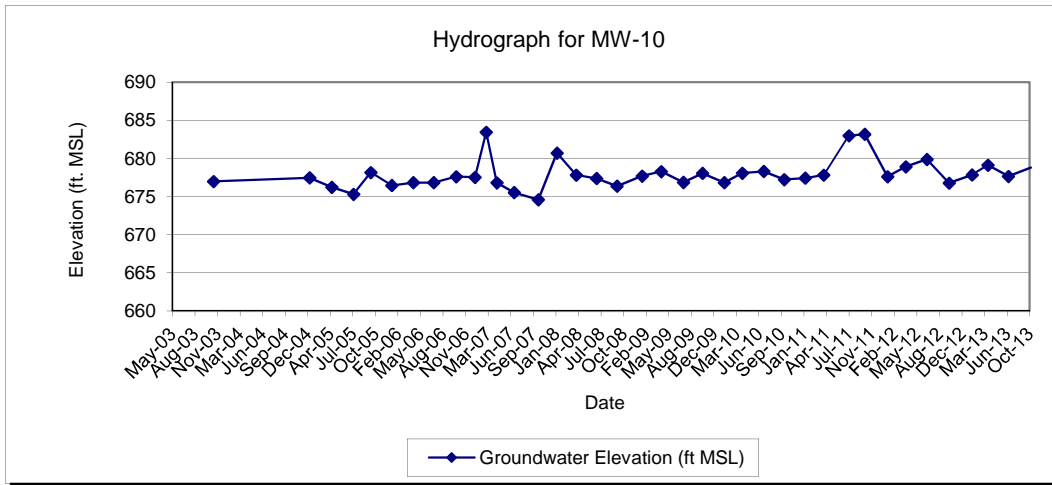
**MONITORING WELL MW-10
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York**

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

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



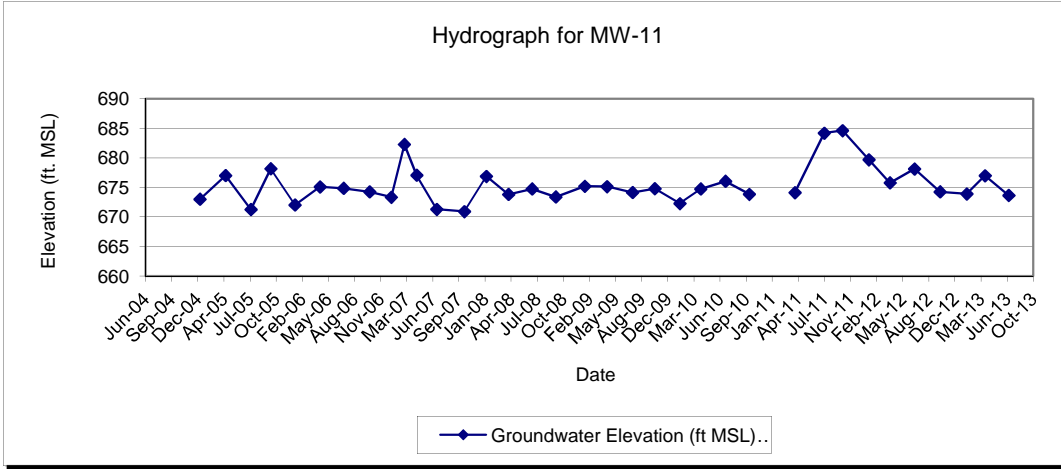
**MONITORING WELL MW-11
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York**

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	674.8
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

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**



**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*	
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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.79

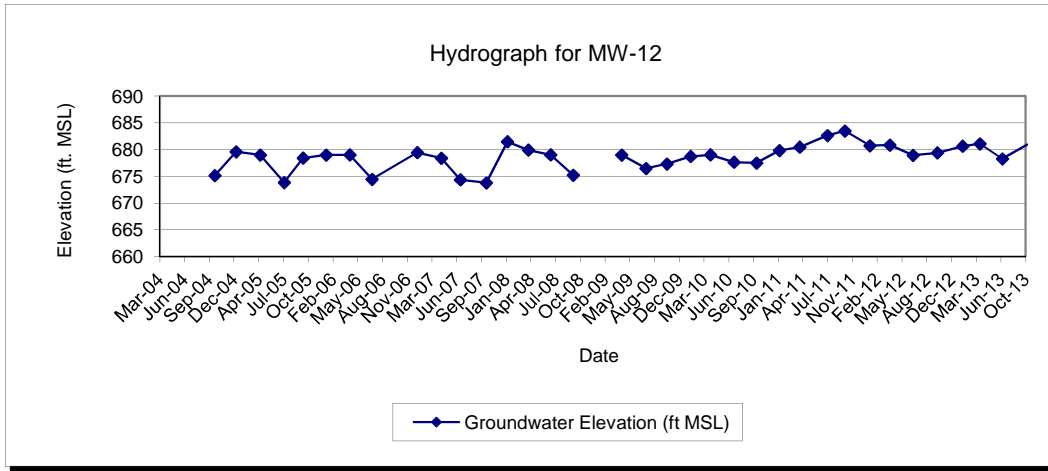
NM* - Well could not be located due to snow cover

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 - 686.14

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



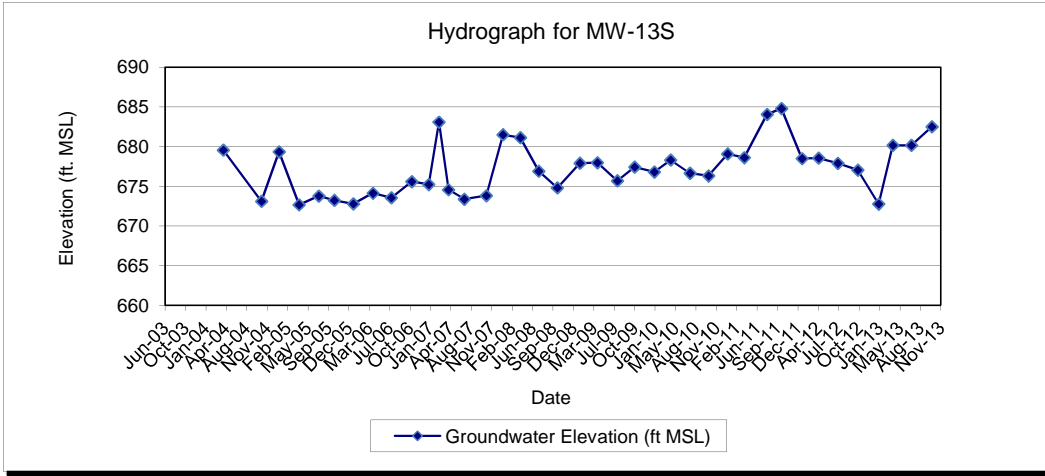
MONITORING WELL MW-13S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

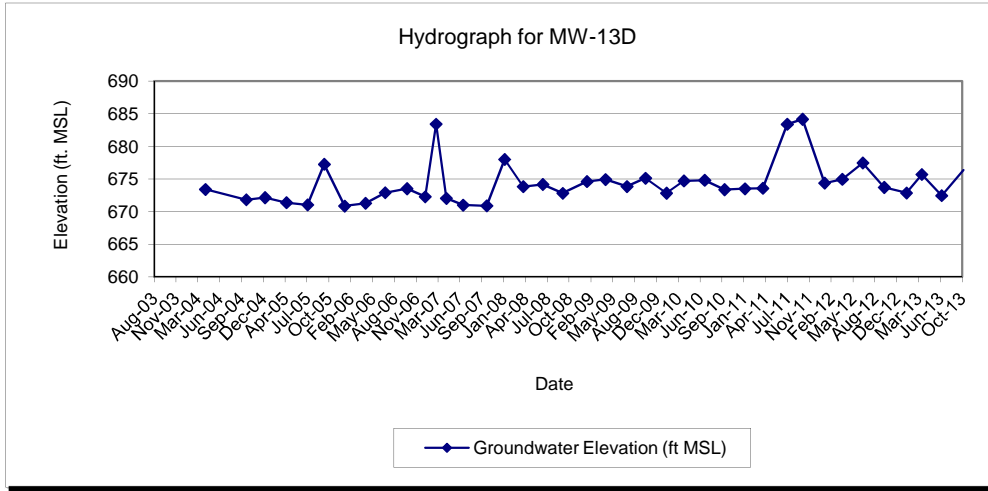
TOC Elevation - 686.71

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



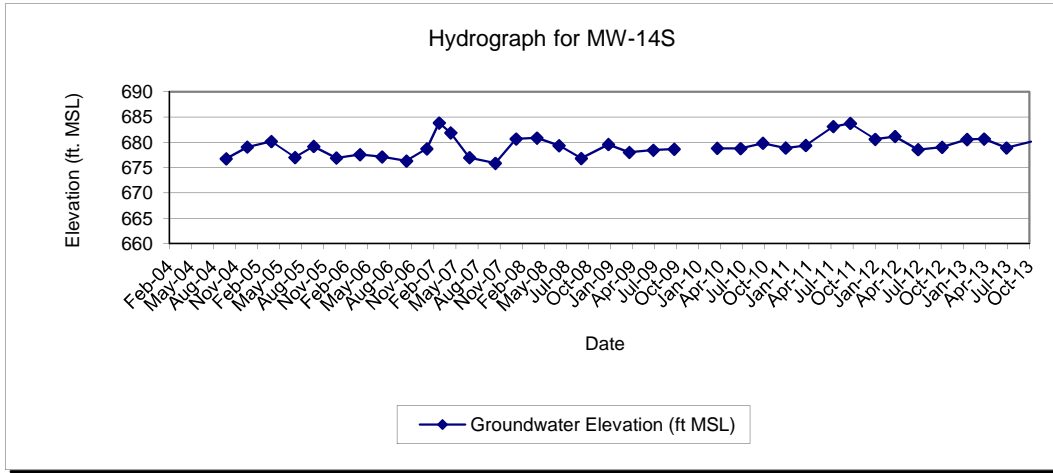
**MONITORING WELL MW-14S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York**

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

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



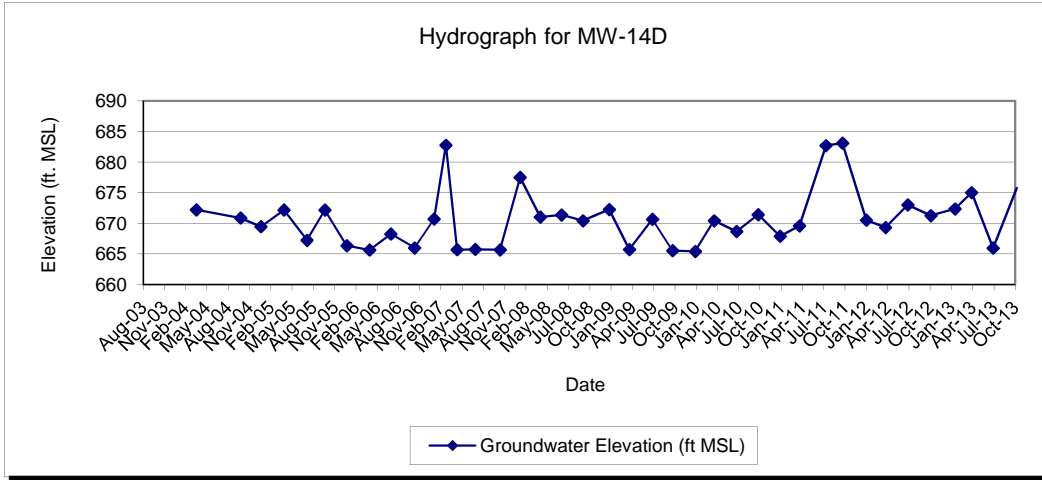
**MONITORING WELL MW-14D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York**

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

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**



**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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

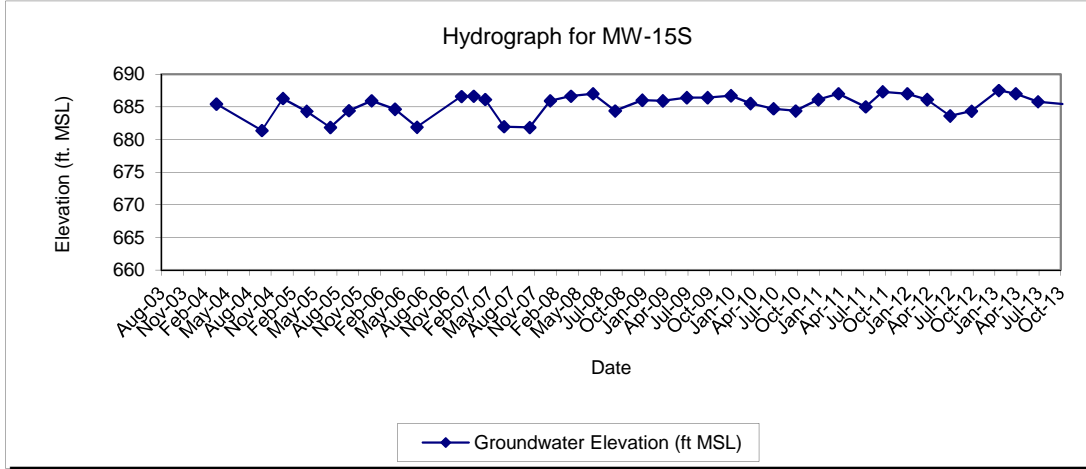
TOC Elevation - 686.64'

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



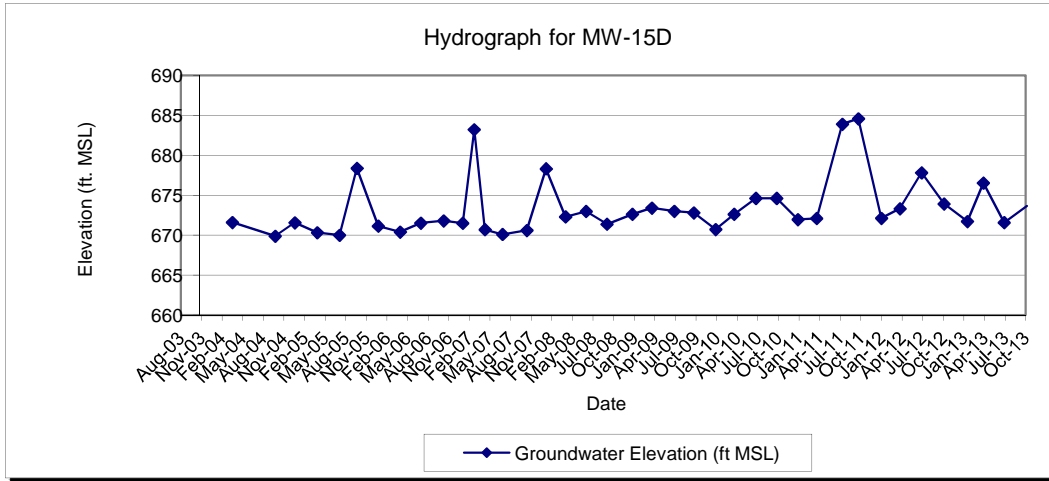
**MONITORING WELL MW-15D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York**

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

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.84'

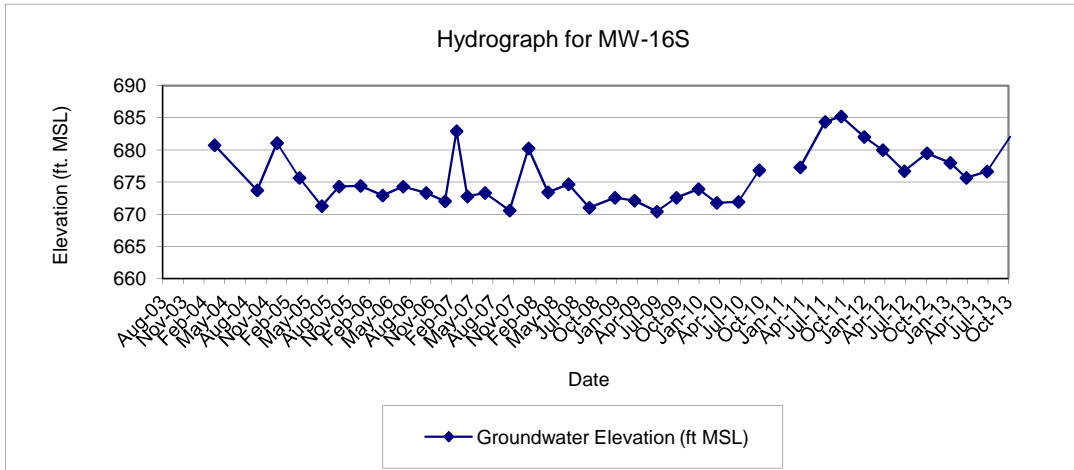
DPE and GWCT down on 2/28/07

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'

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	
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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.01'

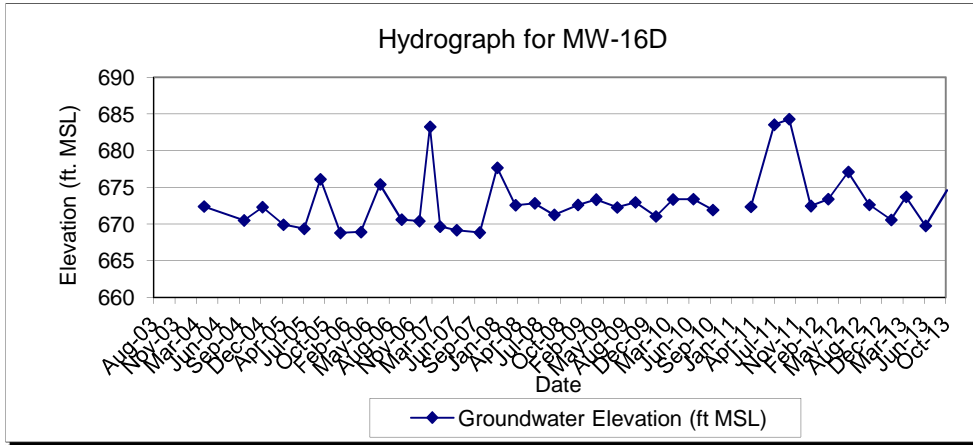
DPE and GWCT down on 2/28/07

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'

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





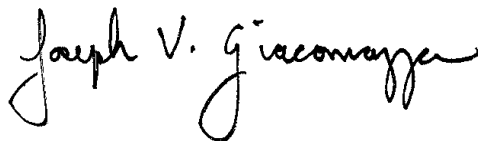
APPENDIX C
Analytical Reports

APPENDIX D

ANALYTICAL REPORT

Job Number: 480-47807-1
Job Description: Scott Aviation site

For:
AECOM, Inc.
100 Corporate Parkway
Suite 341
Amherst, NY 14226
Attention: Mr. Dino Zack



Approved for release.
Joe V Giacomazza
Project Administrator
10/28/2013 10:18 AM

Designee for
Brian J Fischer, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9835
brian.fischer@testamericainc.com
10/28/2013

cc: Ms. Helen Jones

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

TestAmerica Laboratories, Inc.

TestAmerica Buffalo 10 Hazelwood Drive, Amherst, NY 14228-2298
Tel (716) 691-2600 Fax (716) 691-7991 www.testamericainc.com



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Job Narrative
480-47807-1

Receipt

The samples were received on 10/11/2013 11:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

GC/MS VOA

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: (480-47807-10 MS), (480-47807-10 MSD), Duplicate (480-47807-10), MW-13S (480-47807-8), MW-8R (480-47807-7). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Due to the high concentration of Trichloroethene, the matrix spike / matrix spike duplicate (MS/MSD) for batch 146247 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) for batch 146247 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes of interest are outside the method-defined %D criteria.

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) in batch 146447 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

No other analytical or quality issues were noted.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1

SDG No.: _____

Instrument ID: HP5973N Analysis Batch Number: 146247Lab Sample ID: 480-47807-10 Client Sample ID: DuplicateDate Analyzed: 10/21/13 18:00 Lab File ID: N2070.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	1.81	Split Peak	larsonr	10/21/13 19:20

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 480-47807-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-47807-1	MW-2	Ground Water	10/09/2013 1045	10/11/2013 1130
480-47807-2	MW-11	Ground Water	10/09/2013 1125	10/11/2013 1130
480-47807-3	MW-10	Ground Water	10/09/2013 1240	10/11/2013 1130
480-47807-4	MW-6	Ground Water	10/10/2013 1300	10/11/2013 1130
480-47807-5	MW-12	Ground Water	10/10/2013 1430	10/11/2013 1130
480-47807-6	MW-3	Ground Water	10/10/2013 1345	10/11/2013 1130
480-47807-7	MW-8R	Ground Water	10/10/2013 1410	10/11/2013 1130
480-47807-8	MW-13S	Ground Water	10/10/2013 1520	10/11/2013 1130
480-47807-9RB	Rinse Blank	Water	10/10/2013 1210	10/11/2013 1130
480-47807-10FD	Duplicate	Water	10/10/2013 1215	10/11/2013 1130
480-47807-11TB	Trip Blank	Water	10/10/2013 0000	10/11/2013 1130

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-47807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-47807-1 Chloroethane	MW-2	3.9		1.0	ug/L	8260C
480-47807-2 1,1-Dichloroethane	MW-11	6.9		1.0	ug/L	8260C
1,1-Dichloroethene		0.98	J	1.0	ug/L	8260C
Chloroethane		5.5		1.0	ug/L	8260C
cis-1,2-Dichloroethene		27		1.0	ug/L	8260C
Vinyl chloride		14		1.0	ug/L	8260C
480-47807-5 Acetone	MW-12	4.3	J	10	ug/L	8260C
Benzene		1.0		1.0	ug/L	8260C
Chloroethane		16		1.0	ug/L	8260C
Vinyl chloride		0.95	J	1.0	ug/L	8260C
480-47807-6 1,1-Dichloroethane	MW-3	7.9		1.0	ug/L	8260C
Chloroethane		3.8		1.0	ug/L	8260C
cis-1,2-Dichloroethene		3.3		1.0	ug/L	8260C
Vinyl chloride		9.1		1.0	ug/L	8260C
480-47807-7 1,1-Dichloroethene	MW-8R	470	J	1000	ug/L	8260C
cis-1,2-Dichloroethene		57000		1000	ug/L	8260C
Trichloroethene		100000		1000	ug/L	8260C
Vinyl chloride		2700		1000	ug/L	8260C
480-47807-8 cis-1,2-Dichloroethene	MW-13S	31000		1000	ug/L	8260C
Trichloroethene		49000		1000	ug/L	8260C
480-47807-10FD 1,1-Dichloroethene	DUPLICATE	340	J	1000	ug/L	8260C
cis-1,2-Dichloroethene		58000		1000	ug/L	8260C
Trichloroethene		97000		2000	ug/L	8260C
Vinyl chloride		2900		1000	ug/L	8260C

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 480-47807-1

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: 480-47807-1

Method	Analyst	Analyst ID
SW846 8260C	Hill, Leah C	LCH
SW846 8260C	Nguyen-Dudziak, Nhu Quynh	NQN

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47807-1

Client Sample ID: MW-2

Lab Sample ID: 480-47807-1

Date Sampled: 10/09/2013 1045

Client Matrix: Ground Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2061.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1425			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1425				

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	3.9		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		0.50	1.0
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: 480-47807-1

Client Sample ID: MW-2

Lab Sample ID: 480-47807-1

Date Sampled: 10/09/2013 1045

Client Matrix: Ground Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2061.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1425			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1425				

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)	97		66 - 137
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	103		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47807-1

Client Sample ID: MW-11

Lab Sample ID: 480-47807-2

Date Sampled: 10/09/2013 1125

Client Matrix: Ground Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2062.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1448			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1448				

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	6.9		0.38	1.0
1,1-Dichloroethene	0.98	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	5.5		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	27		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		0.50	1.0
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: 480-47807-1

Client Sample ID: MW-11

Lab Sample ID: 480-47807-2

Date Sampled: 10/09/2013 1125

Client Matrix: Ground Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2062.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1448			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1448				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	14		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 137
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	102		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47807-1

Client Sample ID: MW-10

Lab Sample ID: 480-47807-3

Date Sampled: 10/09/2013 1240

Client Matrix: Ground Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2063.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1512			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1512				

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		0.50	1.0
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: 480-47807-1

Client Sample ID: MW-10

Lab Sample ID: 480-47807-3

Date Sampled: 10/09/2013 1240

Client Matrix: Ground Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2063.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1512			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1512				

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)	98		66 - 137
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	101		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47807-1

Client Sample ID: MW-6

Lab Sample ID: 480-47807-4

Date Sampled: 10/10/2013 1300

Client Matrix: Ground Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2064.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1536			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1536				

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		0.50	1.0
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: 480-47807-1

Client Sample ID: MW-6

Lab Sample ID: 480-47807-4

Date Sampled: 10/10/2013 1300

Client Matrix: Ground Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2064.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1536			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1536				

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)	99		66 - 137
4-Bromofluorobenzene (Surr)	96		73 - 120
Toluene-d8 (Surr)	101		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47807-1

Client Sample ID: MW-12

Lab Sample ID: 480-47807-5

Date Sampled: 10/10/2013 1430

Client Matrix: Ground Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2065.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1600			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1600				

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	4.3	J	3.0	10
Benzene	1.0		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	16		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		0.50	1.0
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: 480-47807-1

Client Sample ID: MW-12

Lab Sample ID: 480-47807-5

Date Sampled: 10/10/2013 1430

Client Matrix: Ground Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2065.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1600			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1600				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	0.95	J	0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		66 - 137
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	99		71 - 126

Client: AECOM, Inc.

Job Number: 480-47807-1

Client Sample ID: MW-3

Lab Sample ID: 480-47807-6

Date Sampled: 10/10/2013 1345

Client Matrix: Ground Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2066.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1624			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1624				

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	7.9		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	3.8		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	3.3		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		0.50	1.0
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: 480-47807-1

Client Sample ID: MW-3

Lab Sample ID: 480-47807-6

Date Sampled: 10/10/2013 1345

Client Matrix: Ground Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2066.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1624			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1624				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	9.1		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		66 - 137
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	103		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47807-1

Client Sample ID: MW-8R

Lab Sample ID: 480-47807-7

Date Sampled: 10/10/2013 1410

Client Matrix: Ground Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2067.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1648			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1648				

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	470	J	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	57000		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		500	1000
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	100000		460	1000
Trichlorofluoromethane	ND		880	1000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47807-1

Client Sample ID: MW-8R

Lab Sample ID: 480-47807-7

Date Sampled: 10/10/2013 1410

Client Matrix: Ground Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2067.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1648			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1648				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	2700		900	1000
Xylenes, Total	ND		660	2000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		66 - 137
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	103		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47807-1

Client Sample ID: MW-13S

Lab Sample ID: 480-47807-8

Date Sampled: 10/10/2013 1520

Client Matrix: Ground Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2068.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1712			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1712				

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	31000		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		500	1000
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	49000		460	1000
Trichlorofluoromethane	ND		880	1000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47807-1

Client Sample ID: MW-13S

Lab Sample ID: 480-47807-8

Date Sampled: 10/10/2013 1520

Client Matrix: Ground Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2068.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1712			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1712				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		66 - 137
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	104		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47807-1

Client Sample ID: Rinse Blank

Lab Sample ID: 480-47807-9RB

Date Sampled: 10/10/2013 1210

Client Matrix: Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2069.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1736			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1736				

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		0.50	1.0
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: 480-47807-1

Client Sample ID: Rinse Blank

Lab Sample ID: 480-47807-9RB

Date Sampled: 10/10/2013 1210

Client Matrix: Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2069.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1736			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1736				

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)	100		66 - 137
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	102		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47807-1

Client Sample ID: Duplicate

Lab Sample ID: 480-47807-10FD

Date Sampled: 10/10/2013 1215

Client Matrix: Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2070.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1800			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1800				

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	340	J	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	58000		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		500	1000
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	100000	E	460	1000
Trichlorofluoromethane	ND		880	1000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47807-1

Client Sample ID: Duplicate

Lab Sample ID: 480-47807-10FD

Date Sampled: 10/10/2013 1215

Client Matrix: Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2070.D
Dilution:	1000			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1800			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1800				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	2900		900	1000
Xylenes, Total	ND		660	2000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		66 - 137
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	102		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47807-1

Client Sample ID: Duplicate

Lab Sample ID: 480-47807-10FD

Date Sampled: 10/10/2013 1215

Client Matrix: Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146447	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2081.D
Dilution:	2000			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 2359	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 2359				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		1600	2000
1,1,2,2-Tetrachloroethane	ND		420	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		620	2000
1,1,2-Trichloroethane	ND		460	2000
1,1-Dichloroethane	ND		760	2000
1,1-Dichloroethene	ND		580	2000
1,2,4-Trichlorobenzene	ND		820	2000
1,2-Dibromo-3-Chloropropane	ND		780	2000
1,2-Dibromoethane	ND		1500	2000
1,2-Dichlorobenzene	ND		1600	2000
1,2-Dichloroethane	ND		420	2000
1,2-Dichloropropane	ND		1400	2000
1,3-Dichlorobenzene	ND		1600	2000
1,4-Dichlorobenzene	ND		1700	2000
2-Butanone (MEK)	ND		2600	20000
2-Hexanone	ND		2500	10000
4-Methyl-2-pentanone (MIBK)	ND		4200	10000
Acetone	ND		6000	20000
Benzene	ND		820	2000
Bromodichloromethane	ND		780	2000
Bromoform	ND		520	2000
Bromomethane	ND		1400	2000
Carbon disulfide	ND		380	2000
Carbon tetrachloride	ND		540	2000
Chlorobenzene	ND		1500	2000
Chloroethane	ND		640	2000
Chloroform	ND		680	2000
Chloromethane	ND		700	2000
cis-1,2-Dichloroethene	54000		1600	2000
cis-1,3-Dichloropropene	ND		720	2000
Cyclohexane	ND		360	2000
Dibromochloromethane	ND		640	2000
Dichlorodifluoromethane	ND		1400	2000
Ethylbenzene	ND		1500	2000
Isopropylbenzene	ND		1600	2000
Methyl acetate	ND		1000	2000
Methyl tert-butyl ether	ND		320	2000
Methylcyclohexane	ND		320	2000
Methylene Chloride	ND		880	2000
Styrene	ND		1500	2000
Tetrachloroethene	ND		720	2000
Toluene	ND		1000	2000
trans-1,2-Dichloroethene	ND		1800	2000
trans-1,3-Dichloropropene	ND		740	2000
Trichloroethene	97000		920	2000
Trichlorofluoromethane	ND		1800	2000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47807-1

Client Sample ID: Duplicate

Lab Sample ID: 480-47807-10FD

Date Sampled: 10/10/2013 1215

Client Matrix: Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146447	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2081.D
Dilution:	2000			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 2359	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 2359				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	2700		1800	2000
Xylenes, Total	ND		1300	4000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
4-Bromofluorobenzene (Surr)	98		73 - 120
Toluene-d8 (Surr)	104		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47807-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-47807-11TB

Date Sampled: 10/10/2013 0000

Client Matrix: Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2071.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1824			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1824				

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		0.50	1.0
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: 480-47807-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-47807-11TB

Date Sampled: 10/10/2013 0000

Client Matrix: Water

Date Received: 10/11/2013 1130

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N2071.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1824			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1824				

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)	101		66 - 137
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	101		71 - 126

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
480-47807-1	MW-2	97	103	99
480-47807-2	MW-11	98	102	97
480-47807-3	MW-10	98	101	99
480-47807-4	MW-6	99	101	96
480-47807-5	MW-12	97	99	97
480-47807-6	MW-3	100	103	99
480-47807-7	MW-8R	99	103	97
480-47807-8	MW-13S	100	104	100
480-47807-9	Rinse Blank	100	102	97
480-47807-10	Duplicate	99	102	97
480-47807-10 DL	Duplicate DL	102	104	98
480-47807-11	Trip Blank	101	101	97
MB 480-146247/5		101	102	98
MB 480-146447/4		98	102	97
LCS 480-146247/4		97	98	99
LCS 480-146447/3		98	99	98
480-47807-10 MS	Duplicate MS	95	99	99
480-47807-10 MS	Duplicate MS	97	101	97
480-47807-10 MSD	Duplicate MSD	97	98	97
480-47807-10 MSD	Duplicate MSD	98	99	97

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: 480-47807-1

Method Blank - Batch: 480-146247

**Method: 8260C
Preparation: 5030C**

Lab Sample ID: MB 480-146247/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/21/2013 1041
 Prep Date: 10/21/2013 1041
 Leach Date: N/A

Analysis Batch: 480-146247
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973N
 Lab File ID: N2052.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
1,1,1,2-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		0.50	1.0
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: 480-47807-1

Method Blank - Batch: 480-146247

**Method: 8260C
Preparation: 5030C**

Lab Sample ID:	MB 480-146247/5	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N2052.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1041	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1041				
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)	101	66 - 137
4-Bromofluorobenzene (Surr)	98	73 - 120
Toluene-d8 (Surr)	102	71 - 126

Lab Control Sample - Batch: 480-146247

**Method: 8260C
Preparation: 5030C**

Lab Sample ID:	LCS 480-146247/4	Analysis Batch:	480-146247	Instrument ID:	HP5973N
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N2051.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 1017	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1017				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	25.4	102	71 - 129	
1,1-Dichloroethene	25.0	27.0	108	58 - 121	
1,2-Dichlorobenzene	25.0	25.9	104	80 - 124	
1,2-Dichloroethane	25.0	25.1	101	75 - 127	
Benzene	25.0	25.9	104	71 - 124	
Chlorobenzene	25.0	25.6	102	72 - 120	
cis-1,2-Dichloroethene	25.0	25.4	102	74 - 124	
Ethylbenzene	25.0	25.4	102	77 - 123	
Methyl tert-butyl ether	25.0	24.6	99	64 - 127	
Tetrachloroethene	25.0	26.0	104	74 - 122	
Toluene	25.0	25.3	101	80 - 122	
trans-1,2-Dichloroethene	25.0	25.8	103	73 - 127	
Trichloroethene	25.0	25.1	101	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	66 - 137
4-Bromofluorobenzene (Surr)	99	73 - 120
Toluene-d8 (Surr)	98	71 - 126

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-47807-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-146247**

**Method: 8260C
Preparation: 5030C**

MS Lab Sample ID: 480-47807-10
Client Matrix: Water
Dilution: 1000
Analysis Date: 10/21/2013 1912
Prep Date: 10/21/2013 1912
Leach Date: N/A

Analysis Batch: 480-146247
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: HP5973N
Lab File ID: N2073.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 480-47807-10
Client Matrix: Water
Dilution: 1000
Analysis Date: 10/21/2013 1935
Prep Date: 10/21/2013 1935
Leach Date: N/A

Analysis Batch: 480-146247
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: HP5973N
Lab File ID: N2074.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	101	99	71 - 129	2	20		
1,1-Dichloroethene	103	102	58 - 121	1	16		
1,2-Dichlorobenzene	102	102	80 - 124	0	20		
1,2-Dichloroethane	98	98	75 - 127	0	20		
Benzene	101	100	71 - 124	1	13		
Chlorobenzene	102	99	72 - 120	3	25		
cis-1,2-Dichloroethene	101	98	74 - 124	1	15		
Ethylbenzene	101	97	77 - 123	4	15		
Methyl tert-butyl ether	104	103	64 - 127	0	37		
Tetrachloroethene	98	95	74 - 122	3	20		
Toluene	99	97	80 - 122	2	15		
trans-1,2-Dichloroethene	103	101	73 - 127	2	20		
Trichloroethene	98	89	74 - 123	2	16	E 4	E 4
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	95		97		66 - 137		
4-Bromofluorobenzene (Surr)	99		97		73 - 120		
Toluene-d8 (Surr)	99		98		71 - 126		

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-47807-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-146247**

**Method: 8260C
Preparation: 5030C**

MS Lab Sample ID: 480-47807-10 Units: ug/L
 Client Matrix: Water
 Dilution: 1000
 Analysis Date: 10/21/2013 1912
 Prep Date: 10/21/2013 1912
 Leach Date: N/A

MSD Lab Sample ID: 480-47807-10
 Client Matrix: Water
 Dilution: 1000
 Analysis Date: 10/21/2013 1935
 Prep Date: 10/21/2013 1935
 Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
1,1-Dichloroethane	ND		25000	25000	25300	24700	
1,1-Dichloroethene	340	J	25000	25000	26200	25900	
1,2-Dichlorobenzene	ND		25000	25000	25500	25600	
1,2-Dichloroethane	ND		25000	25000	24500	24600	
Benzene	ND		25000	25000	25300	25000	
Chlorobenzene	ND		25000	25000	25400	24700	
cis-1,2-Dichloroethene	58000		25000	25000	83200	82400	
Ethylbenzene	ND		25000	25000	25200	24200	
Methyl tert-butyl ether	ND		25000	25000	25900	25800	
Tetrachloroethene	ND		25000	25000	24500	23800	
Toluene	ND		25000	25000	24800	24300	
trans-1,2-Dichloroethene	ND		25000	25000	25700	25200	
Trichloroethene	100000		25000	25000	127000	E 4 125000	E 4

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-47807-1

Method Blank - Batch: 480-146447

**Method: 8260C
Preparation: 5030C**

Lab Sample ID: MB 480-146447/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/21/2013 2228
 Prep Date: 10/21/2013 2228
 Leach Date: N/A

Analysis Batch: 480-146447
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973N
 Lab File ID: N2078.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
1,1,1,2-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		0.50	1.0
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: 480-47807-1

Method Blank - Batch: 480-146447

**Method: 8260C
Preparation: 5030C**

Lab Sample ID:	MB 480-146447/4	Analysis Batch:	480-146447	Instrument ID:	HP5973N
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N2078.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 2228	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 2228				
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)	97	73 - 120
Toluene-d8 (Surr)	102	71 - 126

Lab Control Sample - Batch: 480-146447

**Method: 8260C
Preparation: 5030C**

Lab Sample ID:	LCS 480-146447/3	Analysis Batch:	480-146447	Instrument ID:	HP5973N
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N2077.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/21/2013 2205	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 2205				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	25.6	102	71 - 129	
1,1-Dichloroethene	25.0	27.0	108	58 - 121	
1,2-Dichlorobenzene	25.0	26.2	105	80 - 124	
1,2-Dichloroethane	25.0	25.7	103	75 - 127	
Benzene	25.0	26.0	104	71 - 124	
Chlorobenzene	25.0	25.8	103	72 - 120	
cis-1,2-Dichloroethene	25.0	25.1	100	74 - 124	
Ethylbenzene	25.0	25.4	101	77 - 123	
Methyl tert-butyl ether	25.0	25.1	100	64 - 127	
Tetrachloroethene	25.0	25.3	101	74 - 122	
Toluene	25.0	25.2	101	80 - 122	
trans-1,2-Dichloroethene	25.0	26.1	104	73 - 127	
Trichloroethene	25.0	25.4	102	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	66 - 137
4-Bromofluorobenzene (Surr)	98	73 - 120
Toluene-d8 (Surr)	99	71 - 126

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-47807-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-146447**

**Method: 8260C
Preparation: 5030C**

MS Lab Sample ID: 480-47807-10
Client Matrix: Water
Dilution: 2000
Analysis Date: 10/22/2013 0753
Prep Date: 10/22/2013 0753
Leach Date: N/A

Analysis Batch: 480-146447
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: HP5973N
Lab File ID: N2101.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 480-47807-10
Client Matrix: Water
Dilution: 2000
Analysis Date: 10/22/2013 0816
Prep Date: 10/22/2013 0816
Leach Date: N/A

Analysis Batch: 480-146447
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: HP5973N
Lab File ID: N2102.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	107	106	71 - 129	1	20		
1,1-Dichloroethene	115	112	58 - 121	3	16		
1,2-Dichlorobenzene	110	105	80 - 124	5	20		
1,2-Dichloroethane	103	103	75 - 127	0	20		
Benzene	108	106	71 - 124	2	13		
Chlorobenzene	107	104	72 - 120	3	25		
cis-1,2-Dichloroethene	108	101	74 - 124	3	15		
Ethylbenzene	106	101	77 - 123	5	15		
Methyl tert-butyl ether	99	100	64 - 127	1	37		
Tetrachloroethene	108	104	74 - 122	4	20		
Toluene	106	102	80 - 122	4	15		
trans-1,2-Dichloroethene	111	105	73 - 127	5	20		
Trichloroethene	105	97	74 - 123	3	16		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	97		98		66 - 137		
4-Bromofluorobenzene (Surr)	97		97		73 - 120		
Toluene-d8 (Surr)	101		99		71 - 126		

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-47807-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-146447**

**Method: 8260C
Preparation: 5030C**

MS Lab Sample ID: 480-47807-10 Units: ug/L
 Client Matrix: Water
 Dilution: 2000
 Analysis Date: 10/22/2013 0753
 Prep Date: 10/22/2013 0753
 Leach Date: N/A

MSD Lab Sample ID: 480-47807-10
 Client Matrix: Water
 Dilution: 2000
 Analysis Date: 10/22/2013 0816
 Prep Date: 10/22/2013 0816
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethane	ND	50000	50000	53700	52900
1,1-Dichloroethene	ND	50000	50000	57600	56000
1,2-Dichlorobenzene	ND	50000	50000	55100	52500
1,2-Dichloroethane	ND	50000	50000	51500	51600
Benzene	ND	50000	50000	54200	52900
Chlorobenzene	ND	50000	50000	53500	51800
cis-1,2-Dichloroethene	54000	50000	50000	108000	105000
Ethylbenzene	ND	50000	50000	52800	50400
Methyl tert-butyl ether	ND	50000	50000	49500	49800
Tetrachloroethene	ND	50000	50000	53900	51900
Toluene	ND	50000	50000	53200	51000
trans-1,2-Dichloroethene	ND	50000	50000	55400	52600
Trichloroethene	97000	50000	50000	150000	146000

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 480-47807-1

Lab Section	Qualifier	Description
GC/MS VOA		
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-47807-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-146247					
LCS 480-146247/4	Lab Control Sample	T	Water	8260C	
MB 480-146247/5	Method Blank	T	Water	8260C	
480-47807-1	MW-2	T	Water	8260C	
480-47807-2	MW-11	T	Water	8260C	
480-47807-3	MW-10	T	Water	8260C	
480-47807-4	MW-6	T	Water	8260C	
480-47807-5	MW-12	T	Water	8260C	
480-47807-6	MW-3	T	Water	8260C	
480-47807-7	MW-8R	T	Water	8260C	
480-47807-8	MW-13S	T	Water	8260C	
480-47807-9RB	Rinse Blank	T	Water	8260C	
480-47807-10FD	Duplicate	T	Water	8260C	
480-47807-10MS	Matrix Spike	T	Water	8260C	
480-47807-10MSD	Matrix Spike Duplicate	T	Water	8260C	
480-47807-11TB	Trip Blank	T	Water	8260C	
Analysis Batch:480-146447					
LCS 480-146447/3	Lab Control Sample	T	Water	8260C	
MB 480-146447/4	Method Blank	T	Water	8260C	
480-47807-10FDDL	Duplicate	T	Water	8260C	
480-47807-10MS	Matrix Spike	T	Water	8260C	
480-47807-10MSD	Matrix Spike Duplicate	T	Water	8260C	

Report Basis

T = Total

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-47807-1

Laboratory Chronicle

Lab ID: 480-47807-1

Client ID: MW-2

Sample Date/Time: 10/09/2013 10:45

Received Date/Time: 10/11/2013 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-47807-A-1		480-146247		10/21/2013 14:25	1	TAL BUF	LCH
A:8260C	480-47807-A-1		480-146247		10/21/2013 14:25	1	TAL BUF	LCH

Lab ID: 480-47807-2

Client ID: MW-11

Sample Date/Time: 10/09/2013 11:25

Received Date/Time: 10/11/2013 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-47807-A-2		480-146247		10/21/2013 14:48	1	TAL BUF	LCH
A:8260C	480-47807-A-2		480-146247		10/21/2013 14:48	1	TAL BUF	LCH

Lab ID: 480-47807-3

Client ID: MW-10

Sample Date/Time: 10/09/2013 12:40

Received Date/Time: 10/11/2013 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-47807-A-3		480-146247		10/21/2013 15:12	1	TAL BUF	LCH
A:8260C	480-47807-A-3		480-146247		10/21/2013 15:12	1	TAL BUF	LCH

Lab ID: 480-47807-4

Client ID: MW-6

Sample Date/Time: 10/10/2013 13:00

Received Date/Time: 10/11/2013 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-47807-A-4		480-146247		10/21/2013 15:36	1	TAL BUF	LCH
A:8260C	480-47807-A-4		480-146247		10/21/2013 15:36	1	TAL BUF	LCH

Lab ID: 480-47807-5

Client ID: MW-12

Sample Date/Time: 10/10/2013 14:30

Received Date/Time: 10/11/2013 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-47807-A-5		480-146247		10/21/2013 16:00	1	TAL BUF	LCH
A:8260C	480-47807-A-5		480-146247		10/21/2013 16:00	1	TAL BUF	LCH

Lab ID: 480-47807-6

Client ID: MW-3

Sample Date/Time: 10/10/2013 13:45

Received Date/Time: 10/11/2013 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-47807-A-6		480-146247		10/21/2013 16:24	1	TAL BUF	LCH
A:8260C	480-47807-A-6		480-146247		10/21/2013 16:24	1	TAL BUF	LCH

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-47807-1

Laboratory Chronicle

Lab ID: 480-47807-7

Client ID: MW-8R

Sample Date/Time: 10/10/2013 14:10

Received Date/Time: 10/11/2013 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-47807-A-7		480-146247		10/21/2013 16:48	1000	TAL BUF	LCH
A:8260C	480-47807-A-7		480-146247		10/21/2013 16:48	1000	TAL BUF	LCH

Lab ID: 480-47807-8

Client ID: MW-13S

Sample Date/Time: 10/10/2013 15:20

Received Date/Time: 10/11/2013 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-47807-A-8		480-146247		10/21/2013 17:12	1000	TAL BUF	LCH
A:8260C	480-47807-A-8		480-146247		10/21/2013 17:12	1000	TAL BUF	LCH

Lab ID: 480-47807-9

Client ID: Rinse Blank

Sample Date/Time: 10/10/2013 12:10

Received Date/Time: 10/11/2013 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-47807-A-9		480-146247		10/21/2013 17:36	1	TAL BUF	LCH
A:8260C	480-47807-A-9		480-146247		10/21/2013 17:36	1	TAL BUF	LCH

Lab ID: 480-47807-10

Client ID: Duplicate

Sample Date/Time: 10/10/2013 12:15

Received Date/Time: 10/11/2013 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-47807-A-10		480-146247		10/21/2013 18:00	1000	TAL BUF	LCH
A:8260C	480-47807-A-10		480-146247		10/21/2013 18:00	1000	TAL BUF	LCH
P:5030C	480-47807-B-10	DL	480-146447		10/21/2013 23:59	2000	TAL BUF	NQN
A:8260C	480-47807-B-10	DL	480-146447		10/21/2013 23:59	2000	TAL BUF	NQN

Lab ID: 480-47807-10 MS

Client ID: Duplicate

Sample Date/Time: 10/10/2013 12:15

Received Date/Time: 10/11/2013 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-47807-A-10 MS		480-146247		10/21/2013 19:12	1000	TAL BUF	LCH
A:8260C	480-47807-A-10 MS		480-146247		10/21/2013 19:12	1000	TAL BUF	LCH
P:5030C	480-47807-B-10 MS		480-146447		10/22/2013 07:53	2000	TAL BUF	NQN
A:8260C	480-47807-B-10 MS		480-146447		10/22/2013 07:53	2000	TAL BUF	NQN

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-47807-1

Laboratory Chronicle

Lab ID: 480-47807-10 MSD

Client ID: Duplicate

Sample Date/Time: 10/10/2013 12:15

Received Date/Time: 10/11/2013 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-47807-A-10 MSD		480-146247		10/21/2013 19:35	1000	TAL BUF	LCH
A:8260C	480-47807-A-10 MSD		480-146247		10/21/2013 19:35	1000	TAL BUF	LCH
P:5030C	480-47807-B-10 MSD		480-146447		10/22/2013 08:16	2000	TAL BUF	NQN
A:8260C	480-47807-B-10 MSD		480-146447		10/22/2013 08:16	2000	TAL BUF	NQN

Lab ID: 480-47807-11

Client ID: Trip Blank

Sample Date/Time: 10/10/2013 00:00

Received Date/Time: 10/11/2013 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-47807-A-11		480-146247		10/21/2013 18:24	1	TAL BUF	LCH
A:8260C	480-47807-A-11		480-146247		10/21/2013 18:24	1	TAL BUF	LCH

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 480-146247/5		480-146247		10/21/2013 10:41	1	TAL BUF	LCH
A:8260C	MB 480-146247/5		480-146247		10/21/2013 10:41	1	TAL BUF	LCH
P:5030C	MB 480-146447/4		480-146447		10/21/2013 22:28	1	TAL BUF	NQN
A:8260C	MB 480-146447/4		480-146447		10/21/2013 22:28	1	TAL BUF	NQN

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 480-146247/4		480-146247		10/21/2013 10:17	1	TAL BUF	LCH
A:8260C	LCS 480-146247/4		480-146247		10/21/2013 10:17	1	TAL BUF	LCH
P:5030C	LCS 480-146447/3		480-146447		10/21/2013 22:05	1	TAL BUF	NQN
A:8260C	LCS 480-146447/3		480-146447		10/21/2013 22:05	1	TAL BUF	NQN

Lab References:

TAL BUF = TestAmerica Buffalo

Certification Summary

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-47807-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAP	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAP	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAP	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAP	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAP	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAP	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAP	1	2337
TestAmerica Buffalo	New Hampshire	NELAP	1	2973
TestAmerica Buffalo	New Jersey	NELAP	2	NY455
TestAmerica Buffalo	New York	NELAP	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAP	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAP	3	68-00281
TestAmerica Buffalo	Rhode Island	State Program	1	LAO00328
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAP	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAP	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1

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	480-47807-1	97	103	99
MW-11	480-47807-2	98	102	97
MW-10	480-47807-3	98	101	99
MW-6	480-47807-4	99	101	96
MW-12	480-47807-5	97	99	97
MW-3	480-47807-6	100	103	99
MW-8R	480-47807-7	99	103	97
MW-13S	480-47807-8	100	104	100
Rinse Blank	480-47807-9	100	102	97
Duplicate	480-47807-10	99	102	97
Duplicate DL	480-47807-10 DL	102	104	98
Trip Blank	480-47807-11	101	101	97
	MB 480-146247/5	101	102	98
	MB 480-146447/4	98	102	97
	LCS 480-146247/4	97	98	99
	LCS 480-146447/3	98	99	98
Duplicate MS	480-47807-10 MS	95	99	99
Duplicate MS	480-47807-10 MS	97	101	97
Duplicate MSD	480-47807-10 MSD	97	98	97
Duplicate MSD	480-47807-10 MSD	98	99	97

DCA = 1,2-Dichloroethane-d4 (Surr)	<u>QC LIMITS</u>
TOL = Toluene-d8 (Surr)	66-137
BFB = 4-Bromofluorobenzene (Surr)	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.: 480-47807-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N2051.D
 Lab ID: LCS 480-146247/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	25.4	102	71-129	
1,1-Dichloroethene	25.0	27.0	108	58-121	
1,2-Dichlorobenzene	25.0	25.9	104	80-124	
1,2-Dichloroethane	25.0	25.1	101	75-127	
Benzene	25.0	25.9	104	71-124	
Chlorobenzene	25.0	25.6	102	72-120	
cis-1,2-Dichloroethene	25.0	25.4	102	74-124	
Ethylbenzene	25.0	25.4	102	77-123	
Methyl tert-butyl ether	25.0	24.6	99	64-127	
Tetrachloroethene	25.0	26.0	104	74-122	
Toluene	25.0	25.3	101	80-122	
trans-1,2-Dichloroethene	25.0	25.8	103	73-127	
Trichloroethene	25.0	25.1	101	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.: 480-47807-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N2077.D
 Lab ID: LCS 480-146447/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	25.6	102	71-129	
1,1-Dichloroethene	25.0	27.0	108	58-121	
1,2-Dichlorobenzene	25.0	26.2	105	80-124	
1,2-Dichloroethane	25.0	25.7	103	75-127	
Benzene	25.0	26.0	104	71-124	
Chlorobenzene	25.0	25.8	103	72-120	
cis-1,2-Dichloroethene	25.0	25.1	100	74-124	
Ethylbenzene	25.0	25.4	101	77-123	
Methyl tert-butyl ether	25.0	25.1	100	64-127	
Tetrachloroethene	25.0	25.3	101	74-122	
Toluene	25.0	25.2	101	80-122	
trans-1,2-Dichloroethene	25.0	26.1	104	73-127	
Trichloroethene	25.0	25.4	102	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.: 480-47807-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N2073.D
 Lab ID: 480-47807-10 MS Client ID: Duplicate MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25000	ND	25300	101	71-129	
1,1-Dichloroethene	25000	340 J	26200	103	58-121	
1,2-Dichlorobenzene	25000	ND	25500	102	80-124	
1,2-Dichloroethane	25000	ND	24500	98	75-127	
Benzene	25000	ND	25300	101	71-124	
Chlorobenzene	25000	ND	25400	102	72-120	
cis-1,2-Dichloroethene	25000	58000	83200	101	74-124	
Ethylbenzene	25000	ND	25200	101	77-123	
Methyl tert-butyl ether	25000	ND	25900	104	64-127	
Tetrachloroethene	25000	ND	24500	98	74-122	
Toluene	25000	ND	24800	99	80-122	
trans-1,2-Dichloroethene	25000	ND	25700	103	73-127	
Trichloroethene	25000	100000	127000	98	74-123	E 4

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N2101.D
 Lab ID: 480-47807-10 MS Client ID: Duplicate MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	50000	ND	53700	107	71-129	
1,1-Dichloroethene	50000	ND	57600	115	58-121	
1,2-Dichlorobenzene	50000	ND	55100	110	80-124	
1,2-Dichloroethane	50000	ND	51500	103	75-127	
Benzene	50000	ND	54200	108	71-124	
Chlorobenzene	50000	ND	53500	107	72-120	
cis-1,2-Dichloroethene	50000	54000	108000	108	74-124	
Ethylbenzene	50000	ND	52800	106	77-123	
Methyl tert-butyl ether	50000	ND	49500	99	64-127	
Tetrachloroethene	50000	ND	53900	108	74-122	
Toluene	50000	ND	53200	106	80-122	
trans-1,2-Dichloroethene	50000	ND	55400	111	73-127	
Trichloroethene	50000	97000	150000	105	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.: 480-47807-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N2074.D
 Lab ID: 480-47807-10 MSD Client ID: Duplicate MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1-Dichloroethane	25000	24700	99	2	20	71-129	
1,1-Dichloroethene	25000	25900	102	1	16	58-121	
1,2-Dichlorobenzene	25000	25600	102	0	20	80-124	
1,2-Dichloroethane	25000	24600	98	0	20	75-127	
Benzene	25000	25000	100	1	13	71-124	
Chlorobenzene	25000	24700	99	3	25	72-120	
cis-1,2-Dichloroethene	25000	82400	98	1	15	74-124	
Ethylbenzene	25000	24200	97	4	15	77-123	
Methyl tert-butyl ether	25000	25800	103	0	37	64-127	
Tetrachloroethene	25000	23800	95	3	20	74-122	
Toluene	25000	24300	97	2	15	80-122	
trans-1,2-Dichloroethene	25000	25200	101	2	20	73-127	
Trichloroethene	25000	125000	89	2	16	74-123	E 4

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.: 480-47807-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: N2102.D
 Lab ID: 480-47807-10 MSD Client ID: Duplicate MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1-Dichloroethane	50000	52900	106	1	20	71-129	
1,1-Dichloroethene	50000	56000	112	3	16	58-121	
1,2-Dichlorobenzene	50000	52500	105	5	20	80-124	
1,2-Dichloroethane	50000	51600	103	0	20	75-127	
Benzene	50000	52900	106	2	13	71-124	
Chlorobenzene	50000	51800	104	3	25	72-120	
cis-1,2-Dichloroethene	50000	105000	101	3	15	74-124	
Ethylbenzene	50000	50400	101	5	15	77-123	
Methyl tert-butyl ether	50000	49800	100	1	37	64-127	
Tetrachloroethene	50000	51900	104	4	20	74-122	
Toluene	50000	51000	102	4	15	80-122	
trans-1,2-Dichloroethene	50000	52600	105	5	20	73-127	
Trichloroethene	50000	146000	97	3	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.: 480-47807-1
 SDG No.: _____
 Lab File ID: N2052.D Lab Sample ID: MB 480-146247/5
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: HP5973N Date Analyzed: 10/21/2013 10:41
 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 480-146247/4	N2051.D	10/21/2013 10:17
MW-2	480-47807-1	N2061.D	10/21/2013 14:25
MW-11	480-47807-2	N2062.D	10/21/2013 14:48
MW-10	480-47807-3	N2063.D	10/21/2013 15:12
MW-6	480-47807-4	N2064.D	10/21/2013 15:36
MW-12	480-47807-5	N2065.D	10/21/2013 16:00
MW-3	480-47807-6	N2066.D	10/21/2013 16:24
MW-8R	480-47807-7	N2067.D	10/21/2013 16:48
MW-13S	480-47807-8	N2068.D	10/21/2013 17:12
Rinse Blank	480-47807-9	N2069.D	10/21/2013 17:36
Duplicate	480-47807-10	N2070.D	10/21/2013 18:00
Trip Blank	480-47807-11	N2071.D	10/21/2013 18:24
Duplicate MS	480-47807-10 MS	N2073.D	10/21/2013 19:12
Duplicate MSD	480-47807-10 MSD	N2074.D	10/21/2013 19:35

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Lab File ID: N2078.D Lab Sample ID: MB 480-146447/4
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: HP5973N Date Analyzed: 10/21/2013 22:28
 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 480-146447/3	N2077.D	10/21/2013 22:05
Duplicate DL	480-47807-10 DL	N2081.D	10/21/2013 23:59
Duplicate MS	480-47807-10 MS	N2101.D	10/22/2013 07:53
Duplicate MSD	480-47807-10 MSD	N2102.D	10/22/2013 08:16

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

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Lab File ID: N1544.D BFB Injection Date: 10/09/2013
 Instrument ID: HP5973N BFB Injection Time: 22:47
 Analysis Batch No.: 143841

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.0
75	30.0 - 60.0 % of mass 95	47.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.4
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	74.3
175	5.0 - 9.0 % of mass 174	6.1 (8.2)1
176	95.0 - 101.0 % of mass 174	71.4 (96.1)1
177	5.0 - 9.0 % of mass 176	5.2 (7.3)2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-143841/4	N1546.D	10/09/2013	23:33
	IC 480-143841/5	N1547.D	10/10/2013	00:13
	IC 480-143841/6	N1548.D	10/10/2013	00:37
	ICIS 480-143841/7	N1549.D	10/10/2013	01:01
	IC 480-143841/8	N1550.D	10/10/2013	01:25
	IC 480-143841/9	N1551.D	10/10/2013	01:48

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

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Lab File ID: N2049.D BFB Injection Date: 10/21/2013
 Instrument ID: HP5973N BFB Injection Time: 09:16
 Analysis Batch No.: 146247

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.7
75	30.0 - 60.0 % of mass 95	45.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	74.6
175	5.0 - 9.0 % of mass 174	6.4 (8.5)1
176	95.0 - 101.0 % of mass 174	73.7 (98.8)1
177	5.0 - 9.0 % of mass 176	5.4 (7.3)2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-146247/3	N2050.D	10/21/2013	09:41
	LCS 480-146247/4	N2051.D	10/21/2013	10:17
	MB 480-146247/5	N2052.D	10/21/2013	10:41
MW-2	480-47807-1	N2061.D	10/21/2013	14:25
MW-11	480-47807-2	N2062.D	10/21/2013	14:48
MW-10	480-47807-3	N2063.D	10/21/2013	15:12
MW-6	480-47807-4	N2064.D	10/21/2013	15:36
MW-12	480-47807-5	N2065.D	10/21/2013	16:00
MW-3	480-47807-6	N2066.D	10/21/2013	16:24
MW-8R	480-47807-7	N2067.D	10/21/2013	16:48
MW-13S	480-47807-8	N2068.D	10/21/2013	17:12
Rinse Blank	480-47807-9	N2069.D	10/21/2013	17:36
Duplicate	480-47807-10	N2070.D	10/21/2013	18:00
Trip Blank	480-47807-11	N2071.D	10/21/2013	18:24
Duplicate MS	480-47807-10 MS	N2073.D	10/21/2013	19:12
Duplicate MSD	480-47807-10 MSD	N2074.D	10/21/2013	19:35

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

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Lab File ID: N2075.D BFB Injection Date: 10/21/2013
 Instrument ID: HP5973N BFB Injection Time: 20:54
 Analysis Batch No.: 146447

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.1
75	30.0 - 60.0 % of mass 95	47.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.8
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	77.9
175	5.0 - 9.0 % of mass 174	6.8 (8.7)1
176	95.0 - 101.0 % of mass 174	76.2 (97.8)1
177	5.0 - 9.0 % of mass 176	6.0 (7.9)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 480-146447/2	N2076.D	10/21/2013	21:19
	LCS 480-146447/3	N2077.D	10/21/2013	22:05
	MB 480-146447/4	N2078.D	10/21/2013	22:28
Duplicate DL	480-47807-10 DL	N2081.D	10/21/2013	23:59
Duplicate MS	480-47807-10 MS	N2101.D	10/22/2013	07:53
Duplicate MSD	480-47807-10 MSD	N2102.D	10/22/2013	08:16

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

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Sample No.: ICIS 480-143841/7 Date Analyzed: 10/10/2013 01:01
 Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm)
 Lab File ID (Standard): N1549.D Heated Purge: (Y/N) N
 Calibration ID: 15787

	DFB		CBZ		DCB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	366744	4.44	313305	7.22	153626	9.69
UPPER LIMIT	733488	4.94	626610	7.72	307252	10.19
LOWER LIMIT	183372	3.94	156653	6.72	76813	9.19
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCVIS 480-146247/3	390529	4.44	329601	7.22	161268	9.69
CCVIS 480-146447/2	378697	4.44	319212	7.22	159606	9.69

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Sample No.: CCVIS 480-146247/3 Date Analyzed: 10/21/2013 09:41
 Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm)
 Lab File ID (Standard): N2050.D Heated Purge: (Y/N) N
 Calibration ID: 15796

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	390529	4.44	329601	7.22	161268	9.69	
UPPER LIMIT	781058	4.94	659202	7.72	322536	10.19	
LOWER LIMIT	195265	3.94	164801	6.72	80634	9.19	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-146247/4	391485	4.44	330784	7.22	166973	9.69	
MB 480-146247/5	380530	4.44	319790	7.22	157107	9.69	
480-47807-1	MW-2	376402	4.44	313075	7.22	155101	9.69
480-47807-2	MW-11	386690	4.44	322412	7.22	156788	9.69
480-47807-3	MW-10	384174	4.44	323845	7.22	157603	9.69
480-47807-4	MW-6	383426	4.44	325537	7.22	162413	9.69
480-47807-5	MW-12	384774	4.44	325061	7.22	160227	9.69
480-47807-6	MW-3	369742	4.44	315944	7.22	151807	9.69
480-47807-7	MW-8R	383490	4.44	319384	7.22	156643	9.69
480-47807-8	MW-13S	362799	4.44	304823	7.22	151951	9.69
480-47807-9	Rinse Blank	374528	4.44	313693	7.22	153490	9.69
480-47807-10	Duplicate	373328	4.44	313747	7.22	155751	9.69
480-47807-11	Trip Blank	358280	4.44	309341	7.22	148526	9.69
480-47807-10 MS	Duplicate MS	374236	4.44	317908	7.22	157539	9.69
480-47807-10 MSD	Duplicate MSD	373986	4.44	319041	7.22	157749	9.69

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Sample No.: CCVIS 480-146447/2 Date Analyzed: 10/21/2013 21:19
 Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25(mm)
 Lab File ID (Standard): N2076.D Heated Purge: (Y/N) N
 Calibration ID: 15796

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	378697	4.44	319212	7.22	159606	9.69	
UPPER LIMIT	757394	4.94	638424	7.72	319212	10.19	
LOWER LIMIT	189349	3.94	159606	6.72	79803	9.19	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-146447/3	381334	4.44	325061	7.22	160647	9.69	
MB 480-146447/4	382728	4.44	323156	7.22	152851	9.69	
480-47807-10 DL	Duplicate DL	374049	4.44	317557	7.22	153558	9.69
480-47807-10 MS	Duplicate MS	370980	4.44	314117	7.22	155513	9.69
480-47807-10 MSD	Duplicate MSD	369028	4.44	319231	7.22	159947	9.69

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: MW-2 Lab Sample ID: 480-47807-1
 Matrix: Ground Water Lab File ID: N2061.D
 Analysis Method: 8260C Date Collected: 10/09/2013 10:45
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 14:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 146247 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	3.9		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	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.: 480-47807-1
 SDG No.: _____
 Client Sample ID: MW-2 Lab Sample ID: 480-47807-1
 Matrix: Ground Water Lab File ID: N2061.D
 Analysis Method: 8260C Date Collected: 10/09/2013 10:45
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 14:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
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)	97		66-137
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	103		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2061.D
 Lims ID: 480-47807-A-1 Lab Sample ID:
 Client ID: MW-2
 Sample Type: Client
 Inject. Date: 21-Oct-2013 14:25:30 ALS Bottle#: 40 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-47807-A-1
 Misc. Info.: 480-0026414-012
 Operator ID: LH Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 19:16:13 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK051

First Level Reviewer: larsonr

Date: 21-Oct-2013 19:16:33

Compound	Sig	RT (min.)	Adj RT (min.)	DI RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.436	0.001	91	376402	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	313075	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	155101	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	85	166556	24.2	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	581899	25.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	163368	24.8	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.999					
14 Vinyl chloride	62		1.066					
15 Bromomethane	94		1.249					
16 Chloroethane	64	1.316	1.316	0.0	65	9882	3.89	
18 Trichlorofluoromethane	101		1.449					
22 1,1-Dichloroethene	96		1.808					
21 1,1,2-Trichloro-1,2,2-trifluoro	101		1.821					
23 Acetone	43	1.912	1.906	0.006	78	5452	2.89	
25 Carbon disulfide	76		1.954					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.114					
60 Trichloroethene	95		4.643					
62 Methylcyclohexane	83		4.759					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		4.868					
67 Dichlorobromomethane	83		5.160					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.687					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.253					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.928					
93 Bromoform	173		8.147					
95 Isopropylbenzene	105		8.287					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.082					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.560					
S 126 Xylenes, Total	1		30.000					

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2061.D

Injection Date: 21-Oct-2013 14:25:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-47807-A-1

Lab Sample ID:

Worklist Smp#: 12

Client ID: MW-2

Purge Vol: 5.000 mL

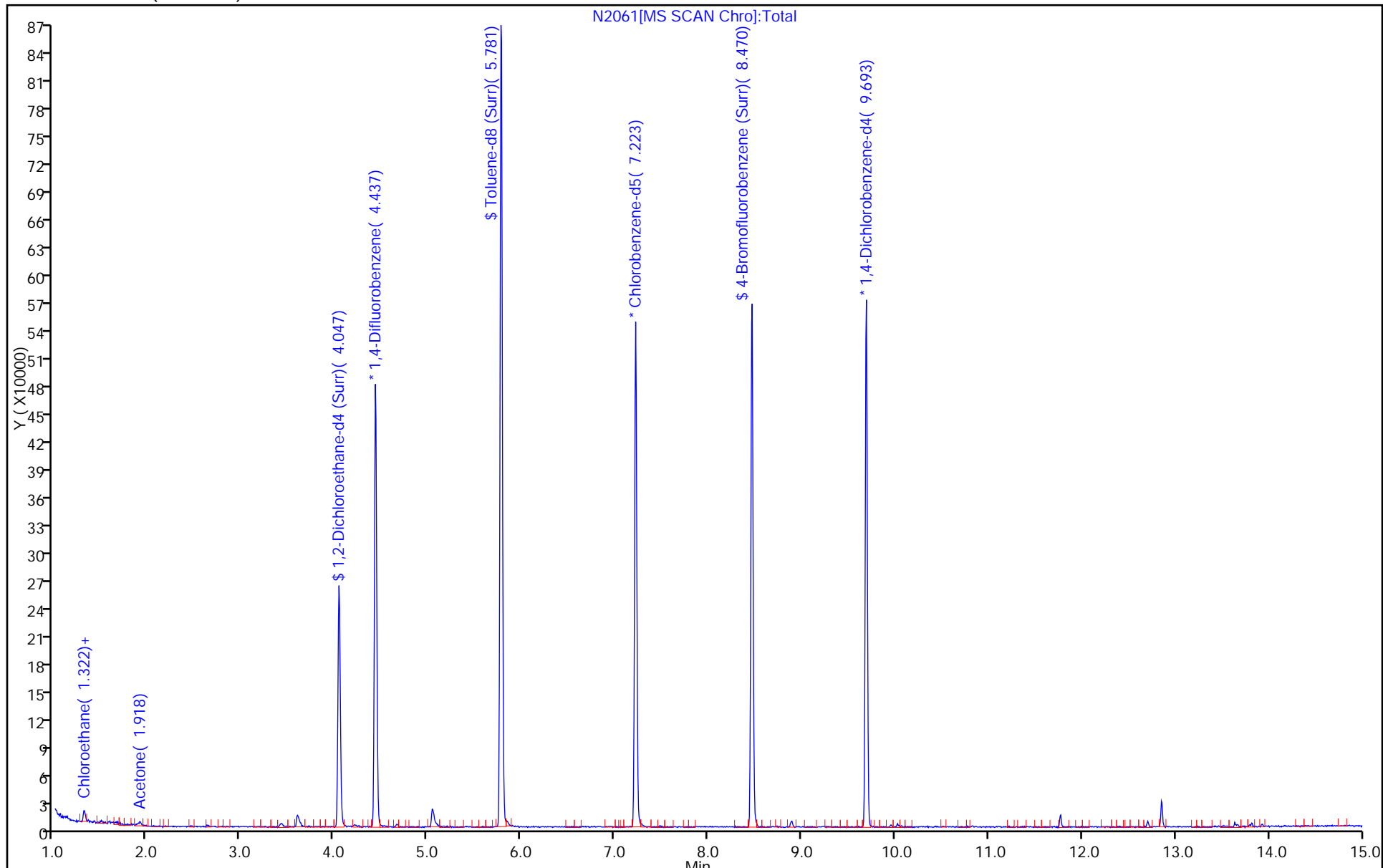
Dil. Factor: 1.0000

ALS Bottle#: 40

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2061.D

Injection Date: 21-Oct-2013 14:25:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-1

Lab Sample ID:

Client ID: MW-2

Operator ID: LH

ALS Bottle#: 40

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

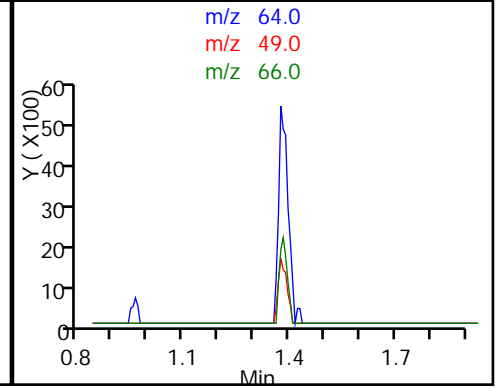
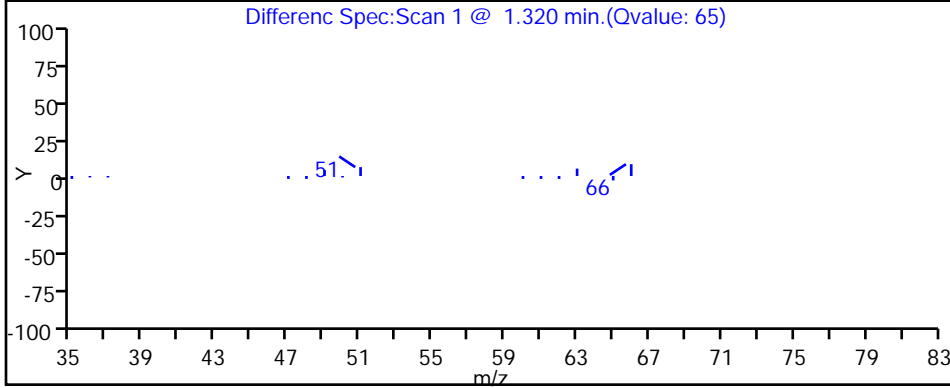
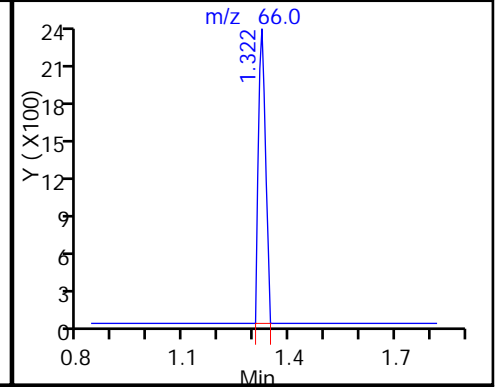
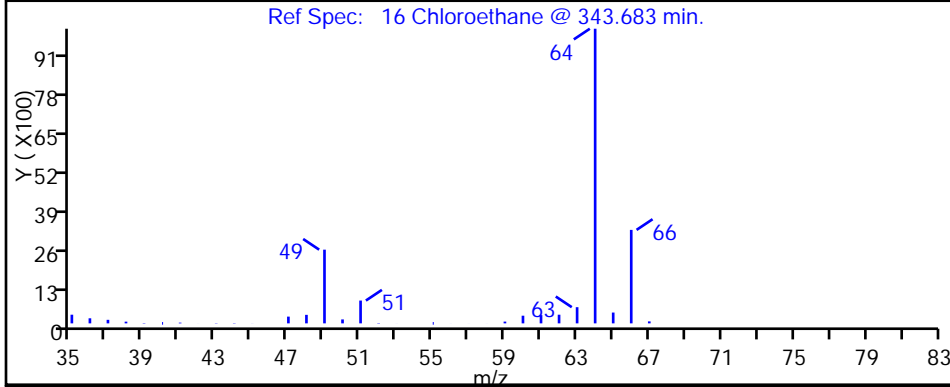
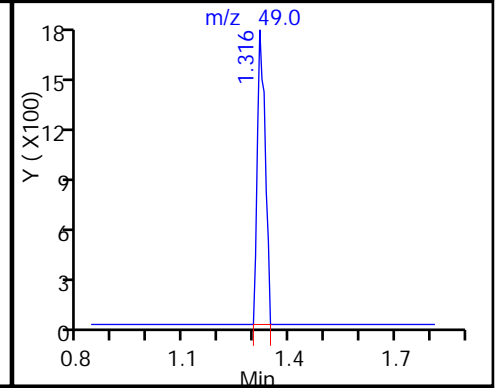
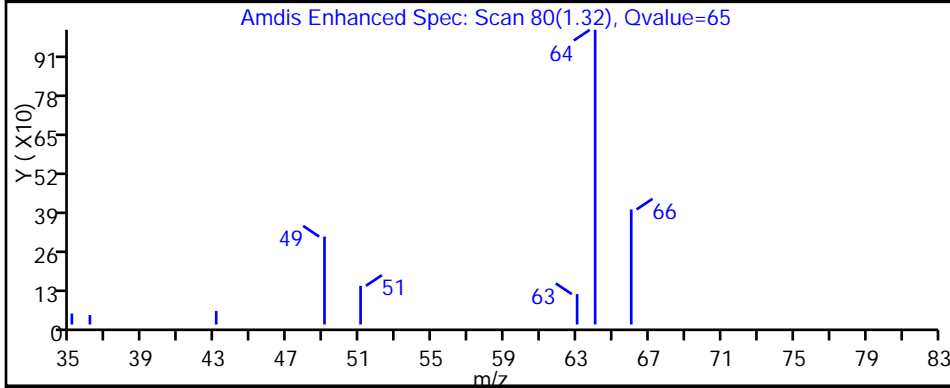
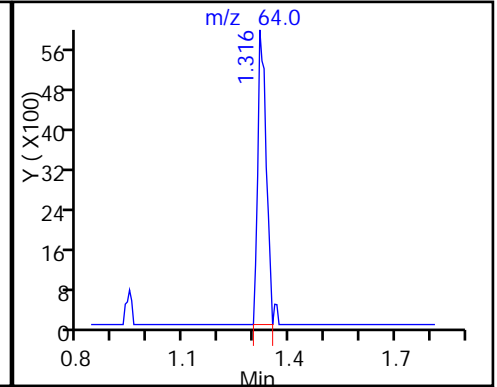
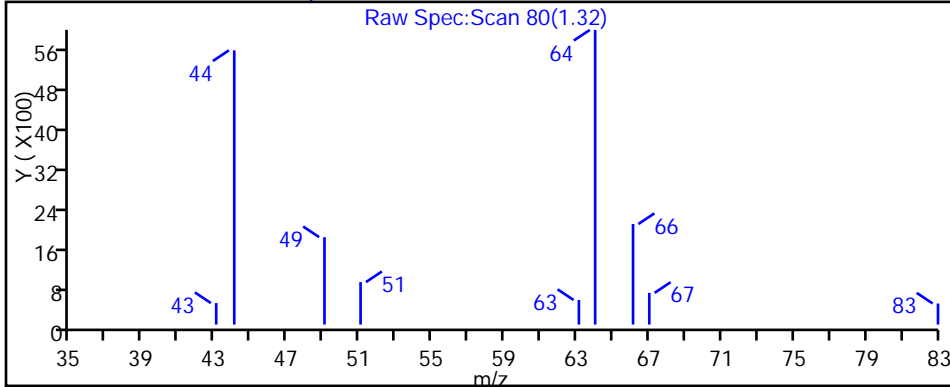
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: MW-11 Lab Sample ID: 480-47807-2
 Matrix: Ground Water Lab File ID: N2062.D
 Analysis Method: 8260C Date Collected: 10/09/2013 11:25
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 14:48
 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.: 146247 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	6.9		1.0	0.38
75-35-4	1,1-Dichloroethene	0.98	J	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	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	5.5		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	27		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.: 480-47807-1
 SDG No.: _____
 Client Sample ID: MW-11 Lab Sample ID: 480-47807-2
 Matrix: Ground Water Lab File ID: N2062.D
 Analysis Method: 8260C Date Collected: 10/09/2013 11:25
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 14:48
 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.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
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	14		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)	97		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2062.D
 Lims ID: 480-47807-A-2 Lab Sample ID:
 Client ID: MW-11
 Sample Type: Client
 Inject. Date: 21-Oct-2013 14:48:30 ALS Bottle#: 41 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-47807-A-2
 Misc. Info.: 480-0026414-013
 Operator ID: LH Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 19:16:13 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK051

First Level Reviewer: larsonr

Date: 21-Oct-2013 19:16:59

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.436	0.0	91	386690	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	83	322412	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	156788	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	85	173110	24.4	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	83	597217	25.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	164478	24.2	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.999					
14 Vinyl chloride	62	1.072	1.066	0.006	96	81124	13.7	
15 Bromomethane	94		1.249					
16 Chloroethane	64	1.322	1.316	0.006	77	14423	5.53	
18 Trichlorofluoromethane	101		1.449					
22 1,1-Dichloroethene	96	1.814	1.808	0.006	53	4456	0.9768	
21 1,1,2-Trichloro-1,2,2-trifluoro	101		1.821					
23 Acetone	43		1.906					
25 Carbon disulfide	76		1.954					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96	2.441	2.429	0.012	51	2507	0.3975	
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63	2.806	2.800	0.006	79	82013	6.92	
43 cis-1,2-Dichloroethene	96	3.323	3.317	0.006	68	189034	26.9	
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	12	5019	0.5834	
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.114					
60 Trichloroethene	95		4.643					
62 Methylcyclohexane	83		4.759					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		4.868					
67 Dichlorobromomethane	83		5.160					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.687					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.253					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.928					
93 Bromoform	173		8.147					
95 Isopropylbenzene	105		8.287					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.082					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.560					
S 126 Xylenes, Total	1		30.000					

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2062.D

Injection Date: 21-Oct-2013 14:48:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-47807-A-2

Lab Sample ID:

Worklist Smp#: 13

Client ID: MW-11

Purge Vol: 5.000 mL

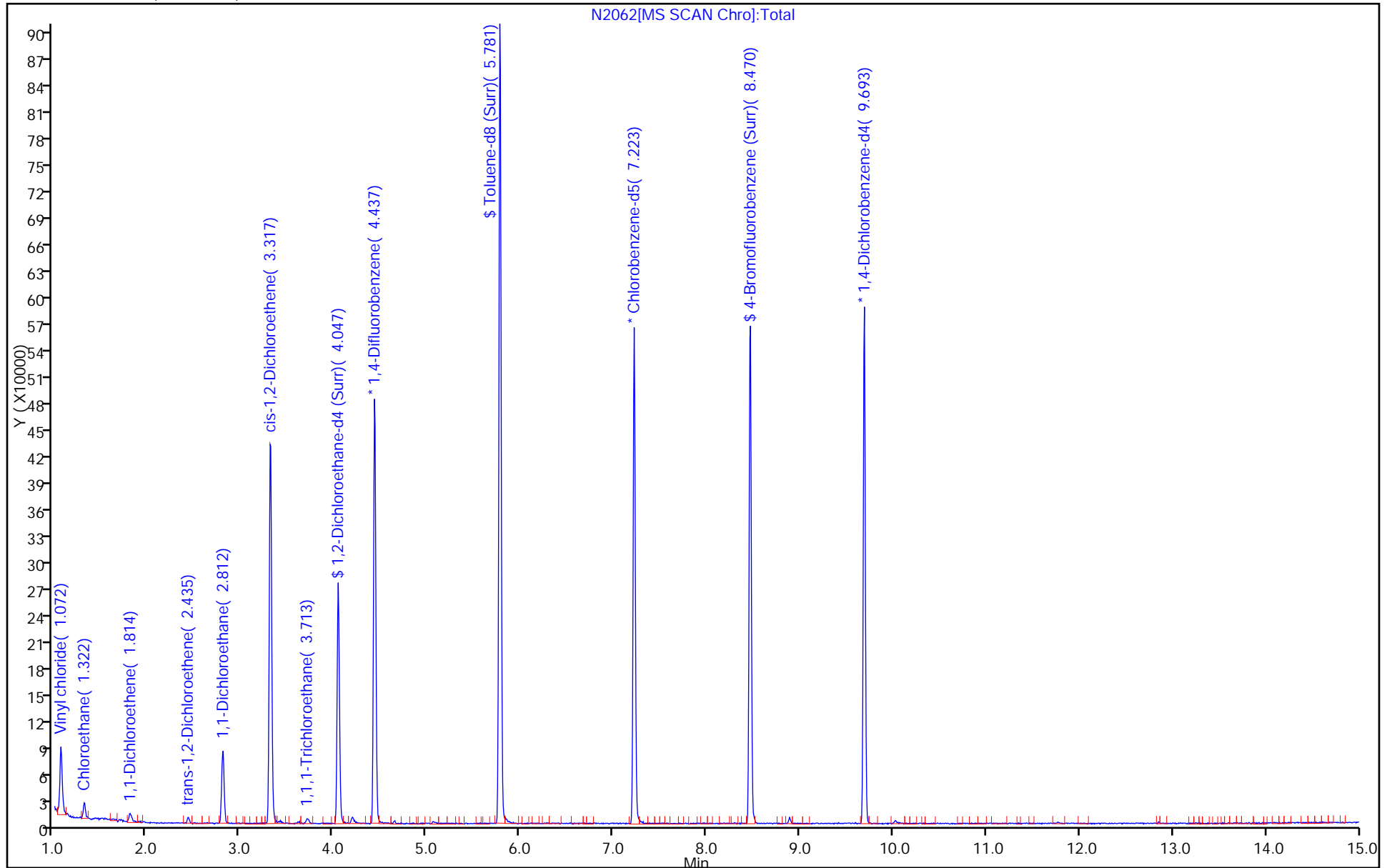
Dil. Factor: 1.0000

ALS Bottle#: 41

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2062.D

Injection Date: 21-Oct-2013 14:48:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-2

Lab Sample ID:

Client ID: MW-11

Operator ID: LH

ALS Bottle#: 41

Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

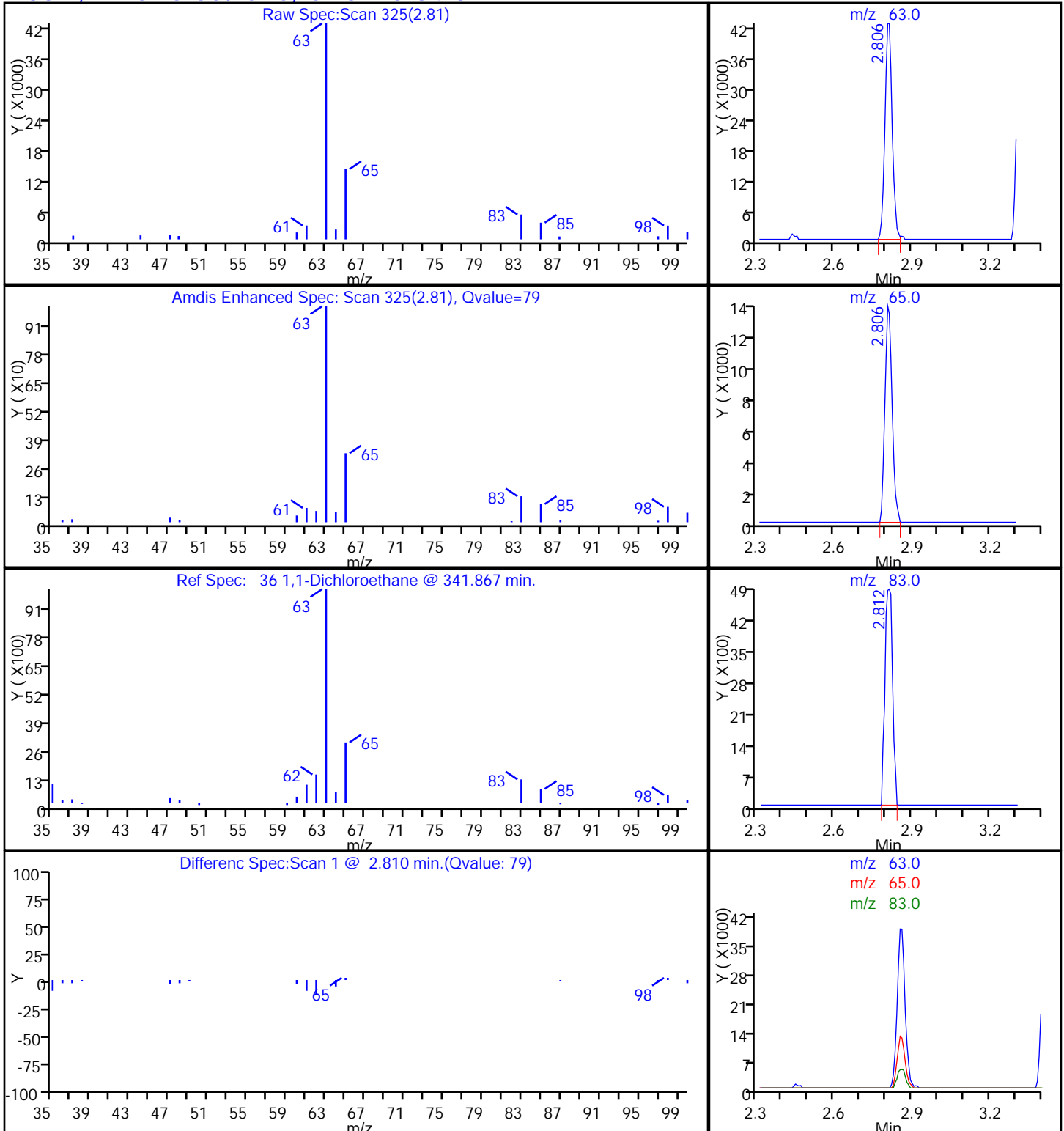
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2062.D

Injection Date: 21-Oct-2013 14:48:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-2

Lab Sample ID:

Client ID: MW-11

Operator ID: LH

ALS Bottle#: 41

Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

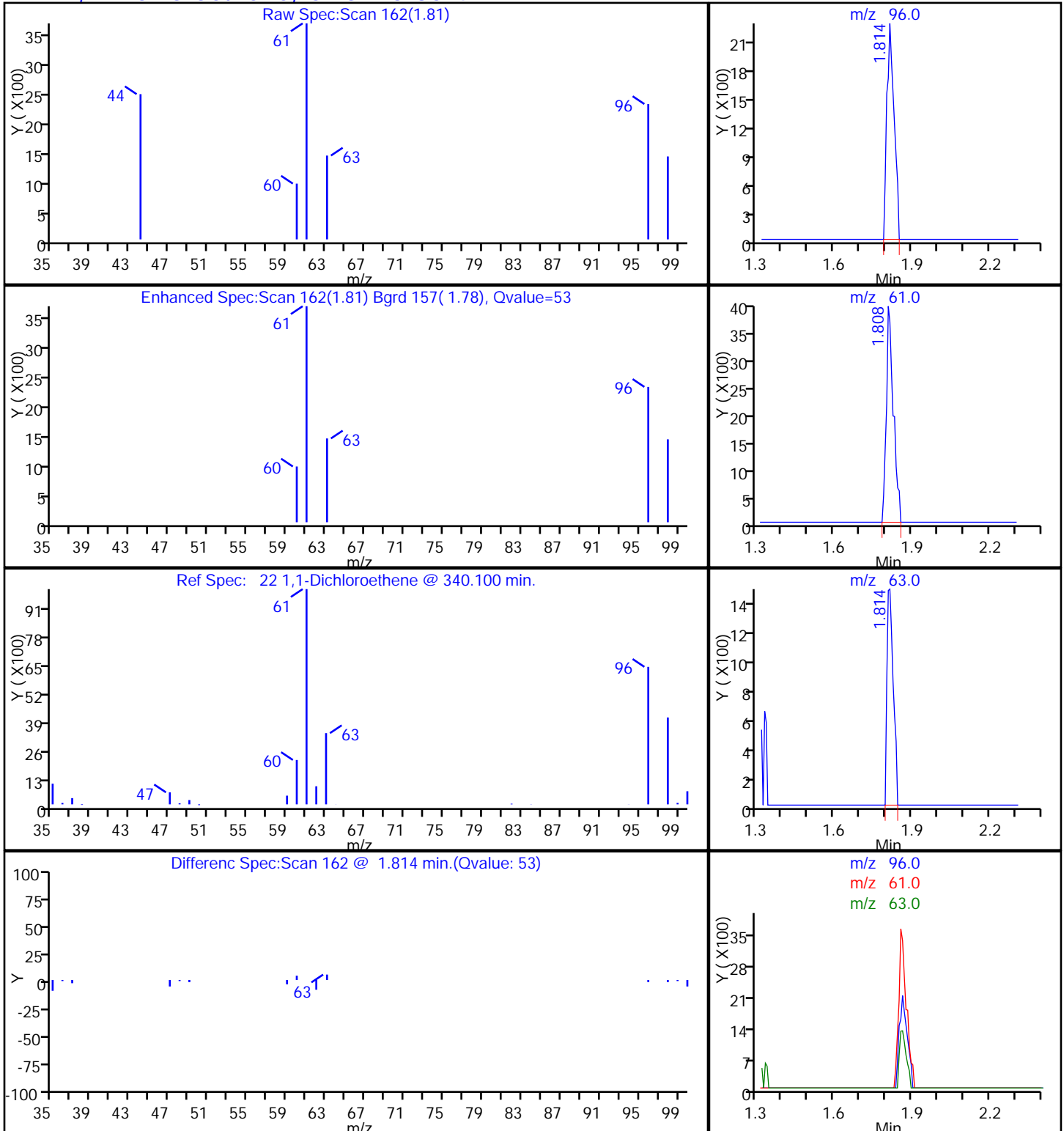
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2062.D

Injection Date: 21-Oct-2013 14:48:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-2

Lab Sample ID:

Client ID: MW-11

Operator ID: LH

ALS Bottle#: 41

Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

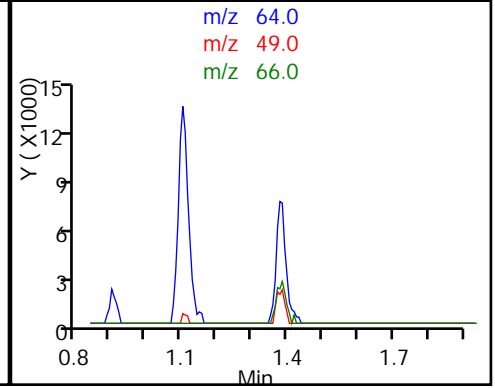
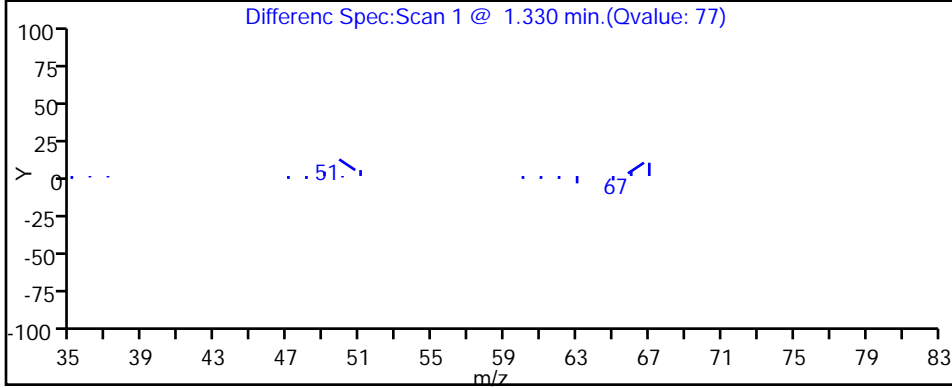
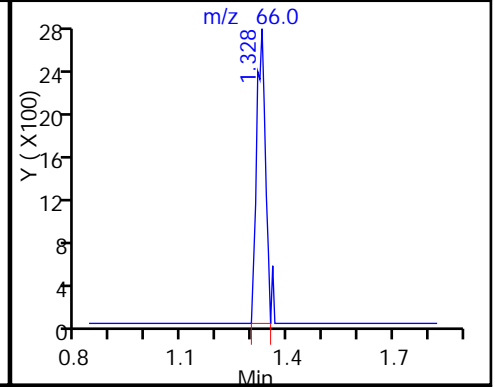
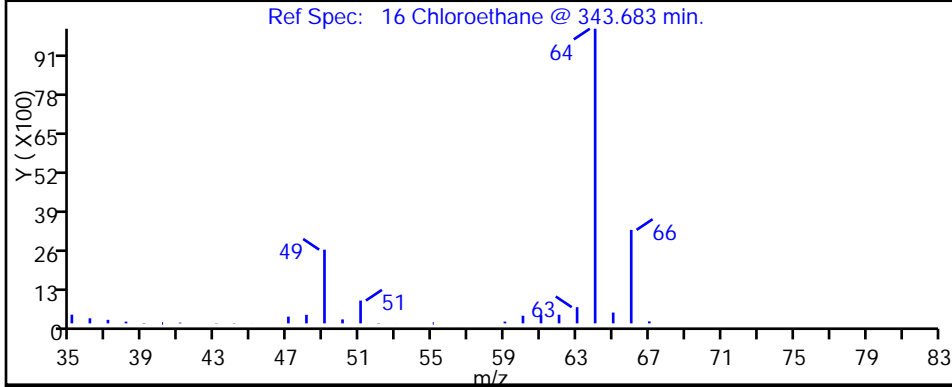
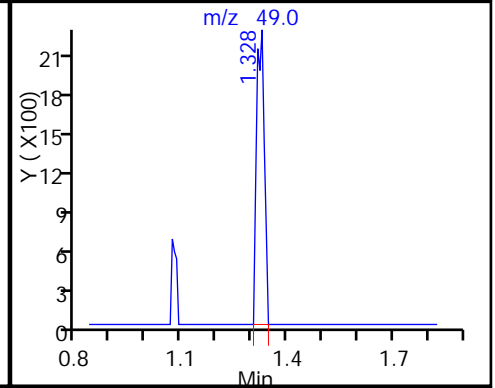
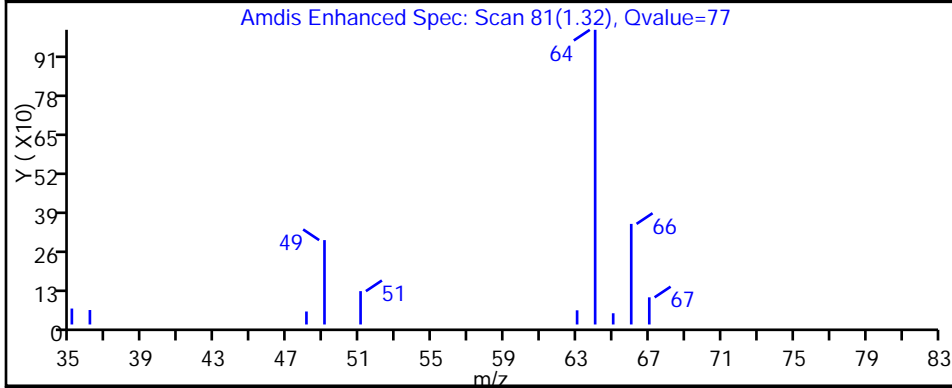
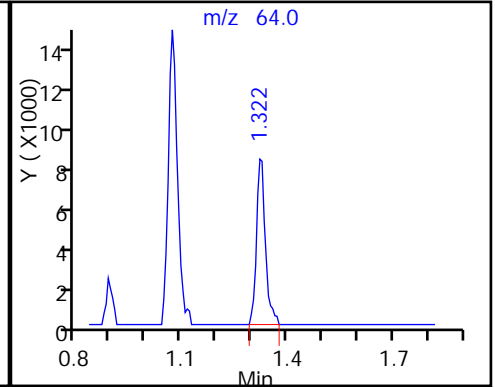
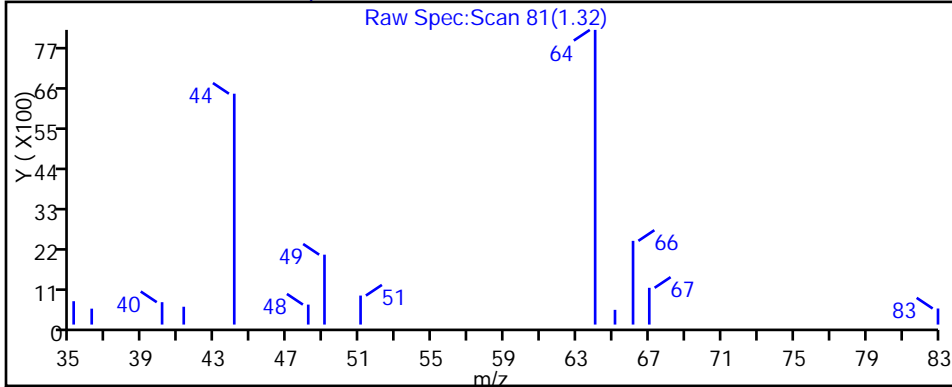
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2062.D

Injection Date: 21-Oct-2013 14:48:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-2

Lab Sample ID:

Client ID: MW-11

Operator ID: LH

ALS Bottle#: 41

Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

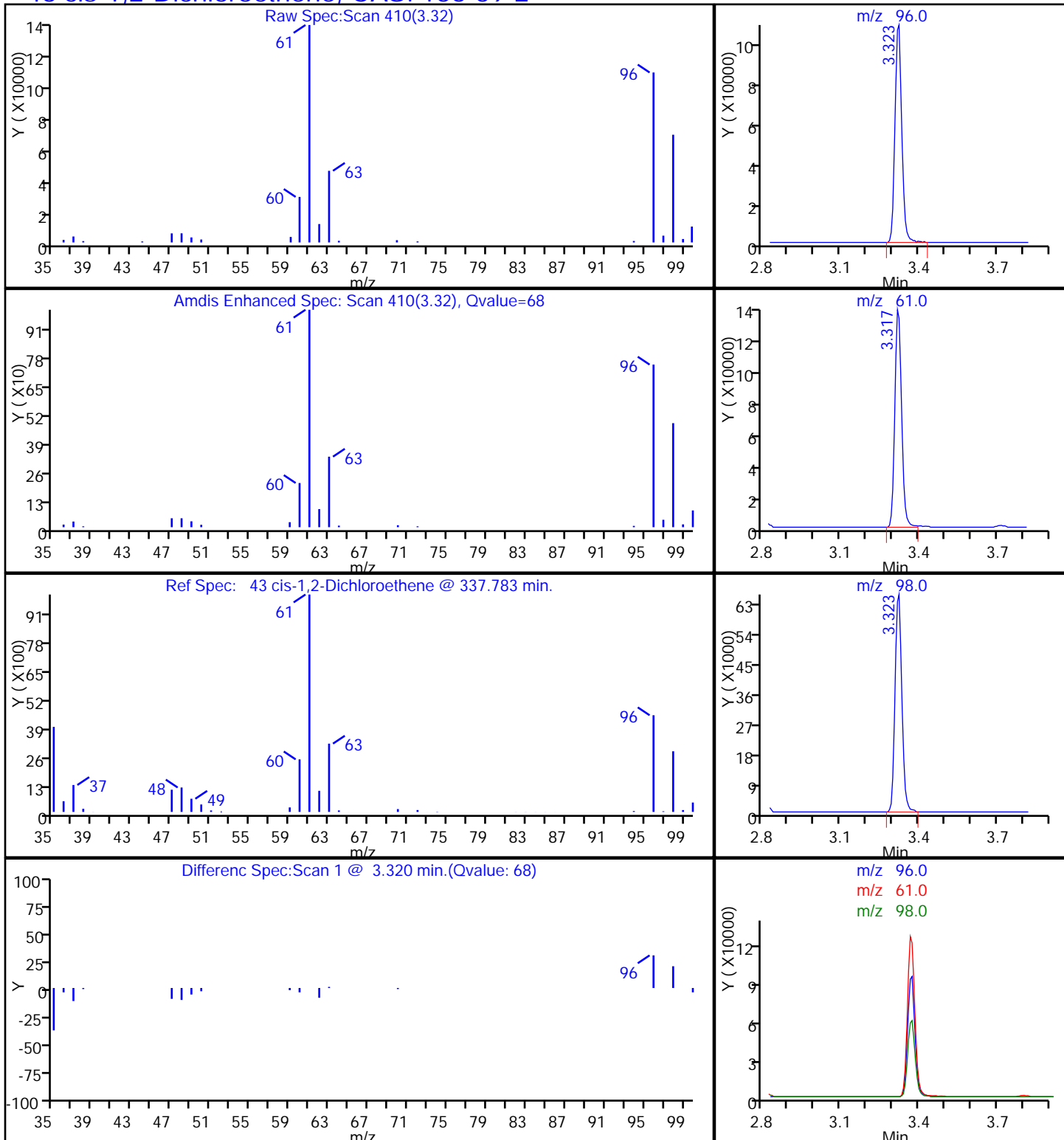
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2062.D

Injection Date: 21-Oct-2013 14:48:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-2

Lab Sample ID:

Client ID: MW-11

Operator ID: LH

ALS Bottle#: 41

Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

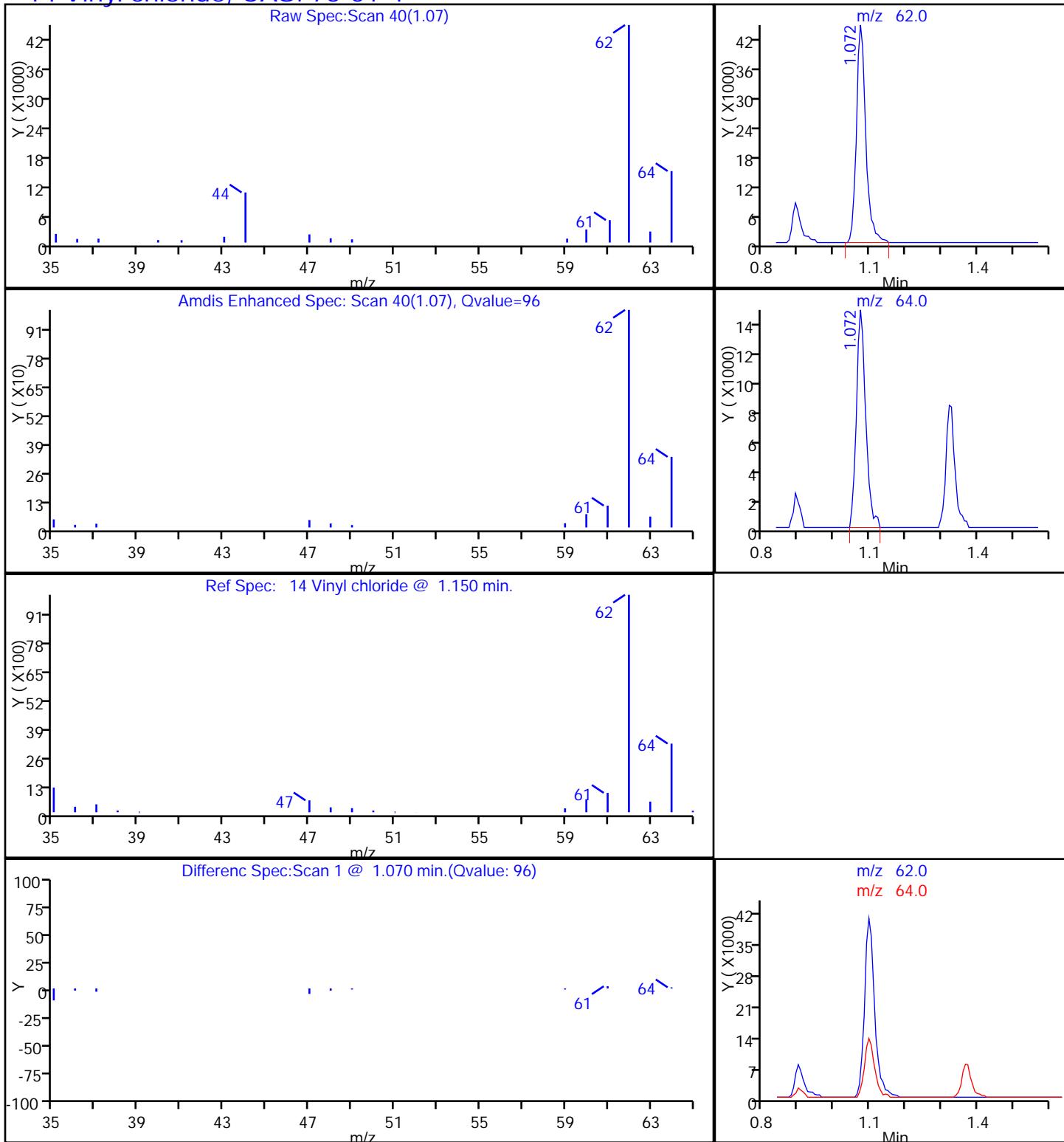
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: MW-10 Lab Sample ID: 480-47807-3
 Matrix: Ground Water Lab File ID: N2063.D
 Analysis Method: 8260C Date Collected: 10/09/2013 12:40
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 15:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 146247 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.: 480-47807-1
 SDG No.: _____
 Client Sample ID: MW-10 Lab Sample ID: 480-47807-3
 Matrix: Ground Water Lab File ID: N2063.D
 Analysis Method: 8260C Date Collected: 10/09/2013 12:40
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 15:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
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)	99		73-120
2037-26-5	Toluene-d8 (Surr)	101		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2063.D
 Lims ID: 480-47807-A-3 Lab Sample ID:
 Client ID: MW-10
 Sample Type: Client
 Inject. Date: 21-Oct-2013 15:12:30 ALS Bottle#: 42 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-47807-A-3
 Misc. Info.: 480-0026414-014
 Operator ID: LH Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 19:16:13 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK051

First Level Reviewer: larsonr

Date: 21-Oct-2013 19:17:12

Compound	Sig	RT (min.)	Adj RT (min.)	DI RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.436	0.001	91	384174	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	83	323845	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	157603	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	85	173038	24.6	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	591300	25.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	87	169464	24.9	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.999					
14 Vinyl chloride	62		1.066					
15 Bromomethane	94		1.249					
16 Chloroethane	64		1.316					
18 Trichlorofluoromethane	101		1.449					
22 1,1-Dichloroethene	96		1.808					
21 1,1,2-Trichloro-1,2,2-trifluoro	101		1.821					
23 Acetone	43	1.912	1.906	0.006	65	3388	1.76	
25 Carbon disulfide	76		1.954					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.114					
60 Trichloroethene	95		4.643					
62 Methylcyclohexane	83		4.759					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		4.868					
67 Dichlorobromomethane	83		5.160					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.687					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.253					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.928					
93 Bromoform	173		8.147					
95 Isopropylbenzene	105		8.287					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.082					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.560					
S 126 Xylenes, Total	1		30.000					

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2063.D

Injection Date: 21-Oct-2013 15:12:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-47807-A-3

Lab Sample ID:

Worklist Smp#: 14

Client ID: MW-10

Purge Vol: 5.000 mL

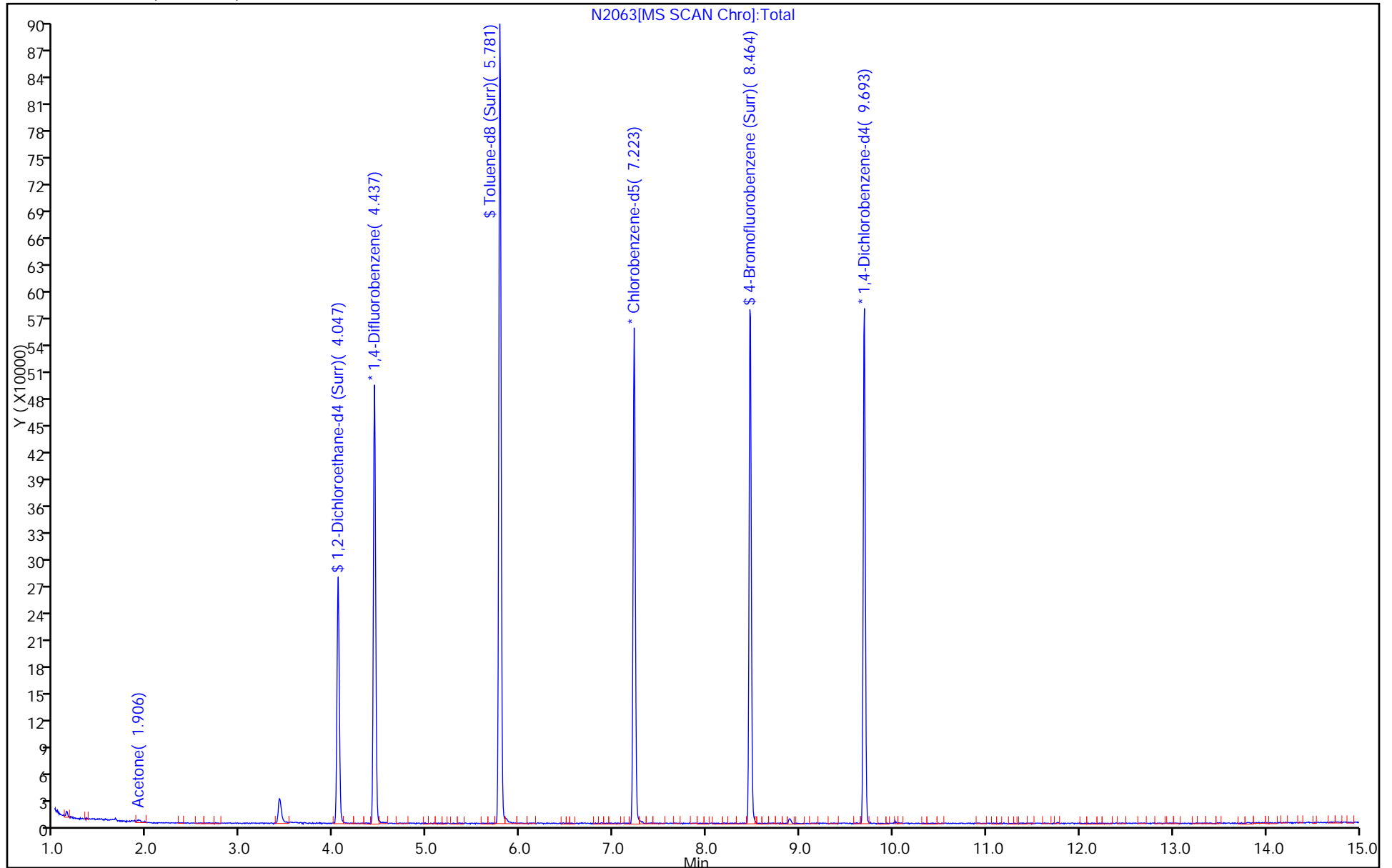
Dil. Factor: 1.0000

ALS Bottle#: 42

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: MW-6 Lab Sample ID: 480-47807-4
 Matrix: Ground Water Lab File ID: N2064.D
 Analysis Method: 8260C Date Collected: 10/10/2013 13:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 15:36
 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.: 146247 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.: 480-47807-1
 SDG No.: _____
 Client Sample ID: MW-6 Lab Sample ID: 480-47807-4
 Matrix: Ground Water Lab File ID: N2064.D
 Analysis Method: 8260C Date Collected: 10/10/2013 13:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 15:36
 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.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		66-137
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
2037-26-5	Toluene-d8 (Surr)	101		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2064.D
 Lims ID: 480-47807-A-4 Lab Sample ID:
 Client ID: MW-6
 Sample Type: Client
 Inject. Date: 21-Oct-2013 15:36:30 ALS Bottle#: 43 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-47807-A-4
 Misc. Info.: 480-0026414-015
 Operator ID: LH Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 19:16:13 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK051

First Level Reviewer: larsonr

Date: 21-Oct-2013 19:17:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.436	0.001	91	383426	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	325537	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	93	162413	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	85	173752	24.7	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	592300	25.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	164394	24.0	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.999					
14 Vinyl chloride	62		1.066					
15 Bromomethane	94		1.249					
16 Chloroethane	64		1.316					
18 Trichlorofluoromethane	101		1.449					
22 1,1-Dichloroethene	96		1.808					
21 1,1,2-Trichloro-1,2,2-trifluoro	101		1.821					
23 Acetone	43		1.906					
25 Carbon disulfide	76		1.954					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.114					
60 Trichloroethene	95		4.643					
62 Methylcyclohexane	83		4.759					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		4.868					
67 Dichlorobromomethane	83		5.160					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.687					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.253					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.928					
93 Bromoform	173		8.147					
95 Isopropylbenzene	105		8.287					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.082					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.560					
S 126 Xylenes, Total	1		30.000					

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2064.D

Injection Date: 21-Oct-2013 15:36:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-47807-A-4

Lab Sample ID:

Worklist Smp#: 15

Client ID: MW-6

Purge Vol: 5.000 mL

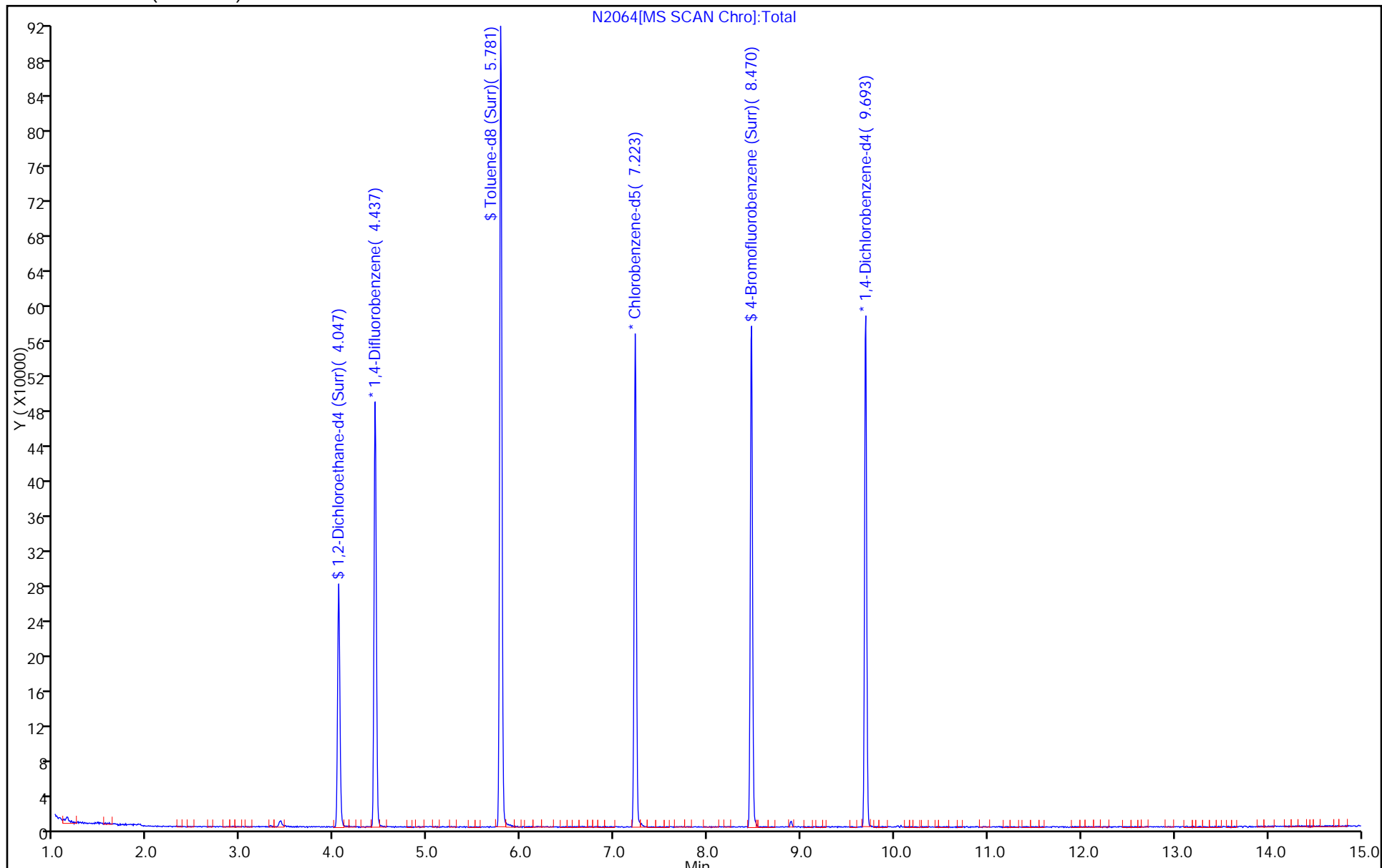
Dil. Factor: 1.0000

ALS Bottle#: 43

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: MW-12 Lab Sample ID: 480-47807-5
 Matrix: Ground Water Lab File ID: N2065.D
 Analysis Method: 8260C Date Collected: 10/10/2013 14:30
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 16:00
 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.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	4.3	J	10	3.0
71-43-2	Benzene	1.0		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	16		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.: 480-47807-1
 SDG No.: _____
 Client Sample ID: MW-12 Lab Sample ID: 480-47807-5
 Matrix: Ground Water Lab File ID: N2065.D
 Analysis Method: 8260C Date Collected: 10/10/2013 14:30
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 16:00
 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.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
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	0.95	J	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		66-137
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
2037-26-5	Toluene-d8 (Surr)	99		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2065.D
 Lims ID: 480-47807-A-5 Lab Sample ID:
 Client ID: MW-12
 Sample Type: Client
 Inject. Date: 21-Oct-2013 16:00:30 ALS Bottle#: 44 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-47807-A-5
 Misc. Info.: 480-0026414-016
 Operator ID: LH Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 19:16:13 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK051

First Level Reviewer: larsonr

Date: 21-Oct-2013 19:17:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.436	0.001	91	384774	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	83	325061	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	160227	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	85	170709	24.2	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	584148	24.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	166598	24.4	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.999					
14 Vinyl chloride	62	1.066	1.066	0.0	34	5632	0.9549	
15 Bromomethane	94		1.249					
16 Chloroethane	64	1.316	1.316	0.0	96	41465	16.0	
18 Trichlorofluoromethane	101		1.449					
22 1,1-Dichloroethene	96		1.808					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43	1.918	1.906	0.012	78	8359	4.33	
25 Carbon disulfide	76		1.954					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
55 Benzene	78	4.053	4.047	0.006	30	27291	1.04	
57 1,2-Dichloroethane	62		4.114					
60 Trichloroethene	95		4.643					
62 Methylcyclohexane	83		4.759					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		4.868					
67 Dichlorobromomethane	83		5.160					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.687					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.253					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.928					
93 Bromoform	173		8.147					
95 Isopropylbenzene	105		8.287					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.082					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.560					
S 126 Xylenes, Total	1		30.000					

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2065.D

Injection Date: 21-Oct-2013 16:00:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-47807-A-5

Lab Sample ID:

Worklist Smp#: 16

Client ID: MW-12

Purge Vol: 5.000 mL

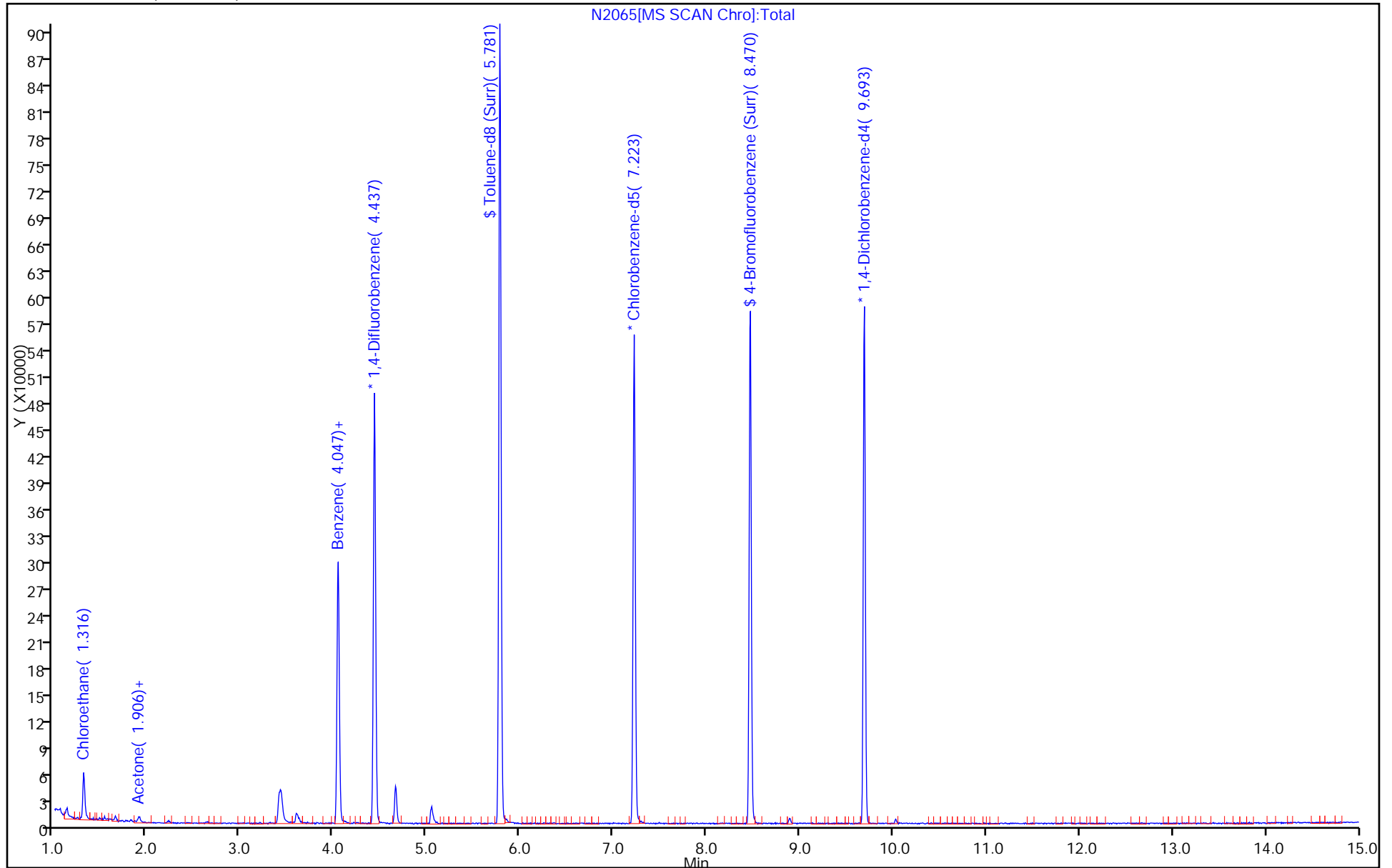
Dil. Factor: 1.0000

ALS Bottle#: 44

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2065.D

Injection Date: 21-Oct-2013 16:00:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-5

Lab Sample ID:

Client ID: MW-12

Operator ID: LH

ALS Bottle#: 44

Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

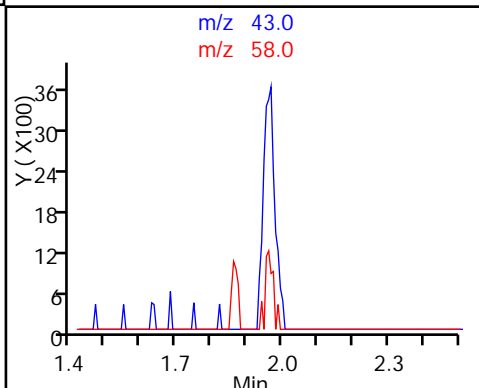
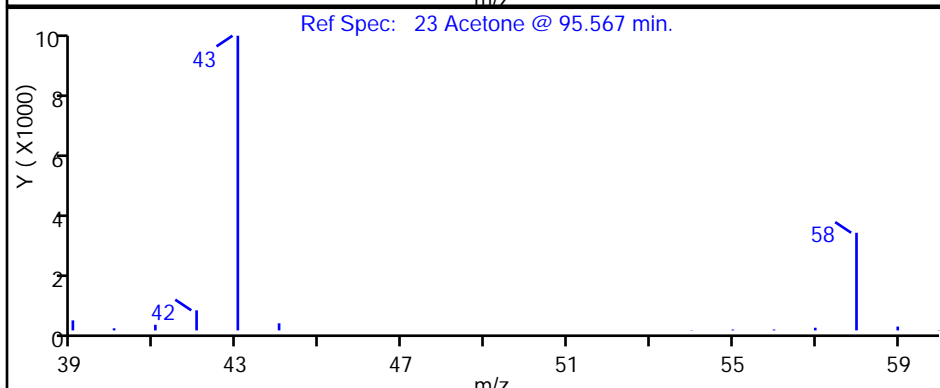
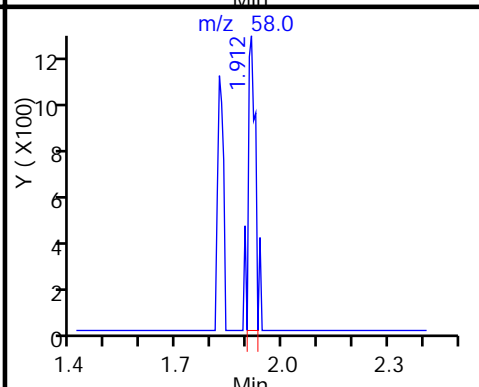
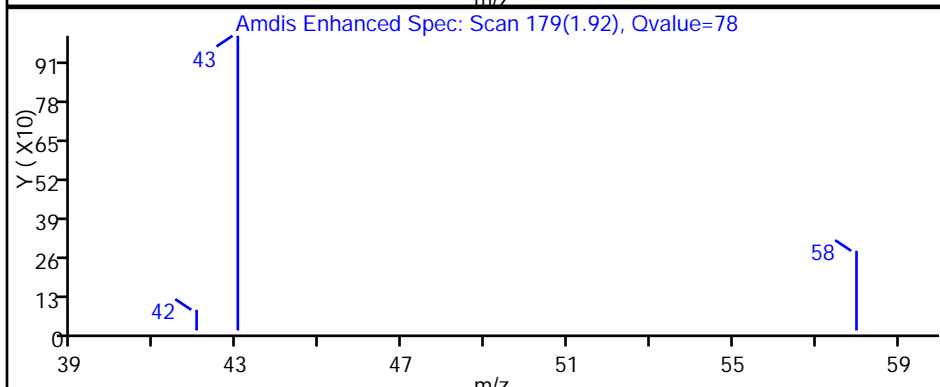
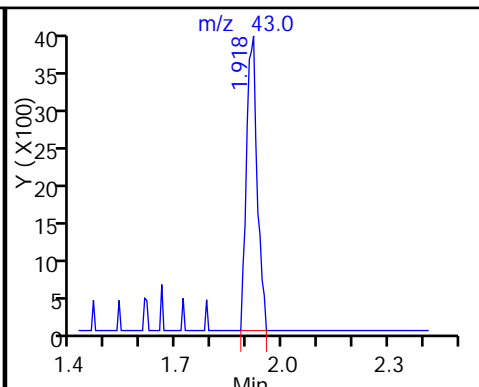
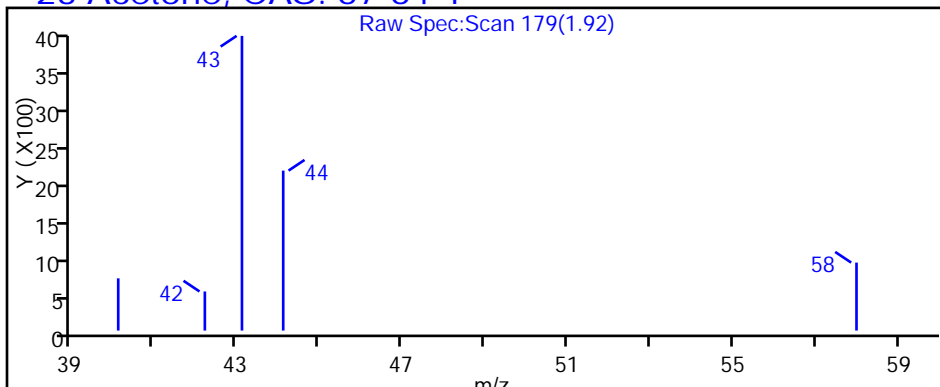
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

23 Acetone, CAS: 67-64-1



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2065.D

Injection Date: 21-Oct-2013 16:00:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-5

Lab Sample ID:

Client ID: MW-12

Operator ID: LH

ALS Bottle#: 44

Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

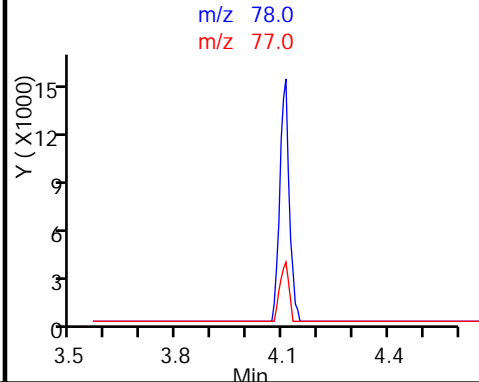
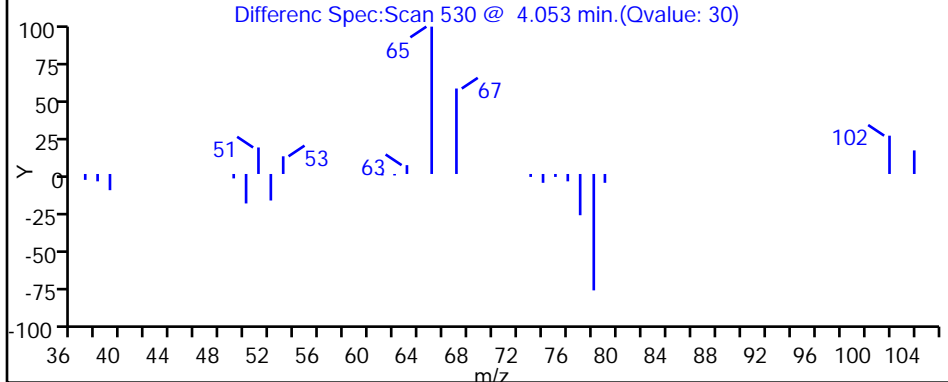
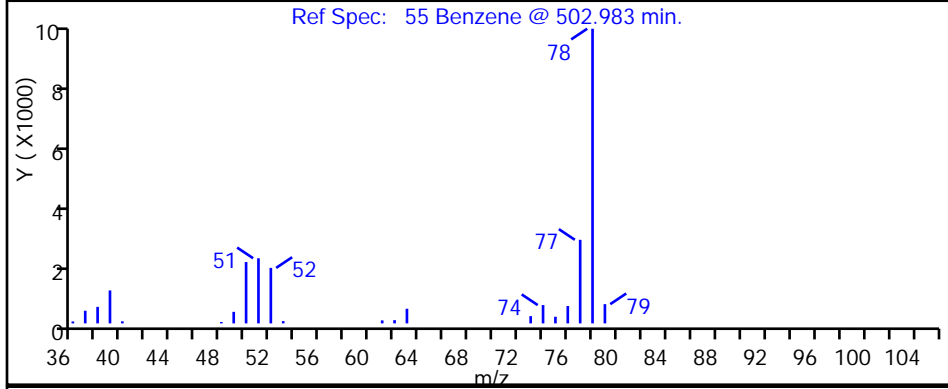
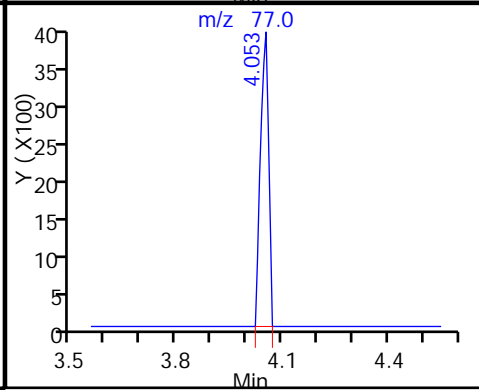
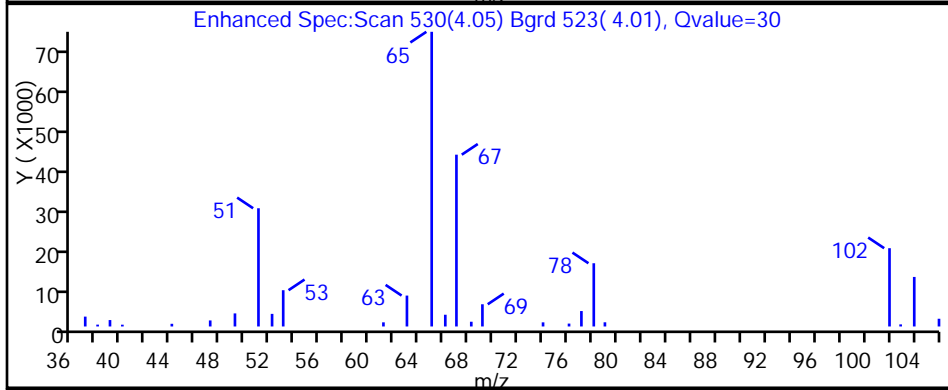
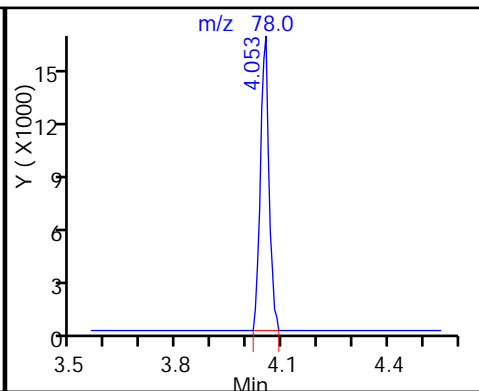
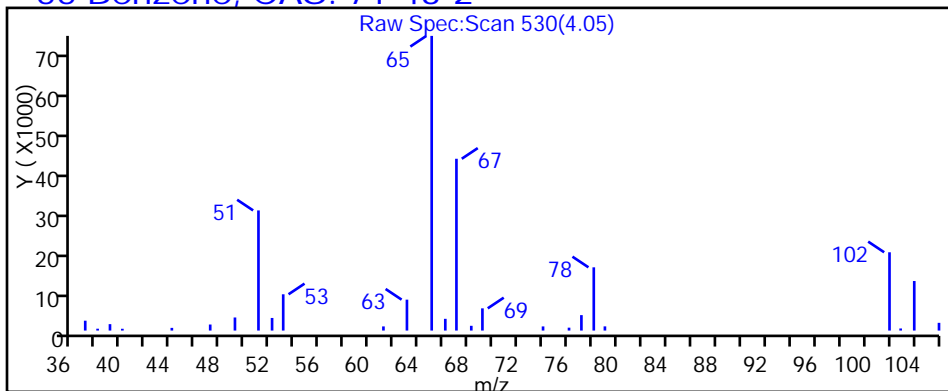
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

55 Benzene, CAS: 71-43-2



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2065.D

Injection Date: 21-Oct-2013 16:00:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-5

Lab Sample ID:

Client ID: MW-12

Operator ID: LH

ALS Bottle#: 44

Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

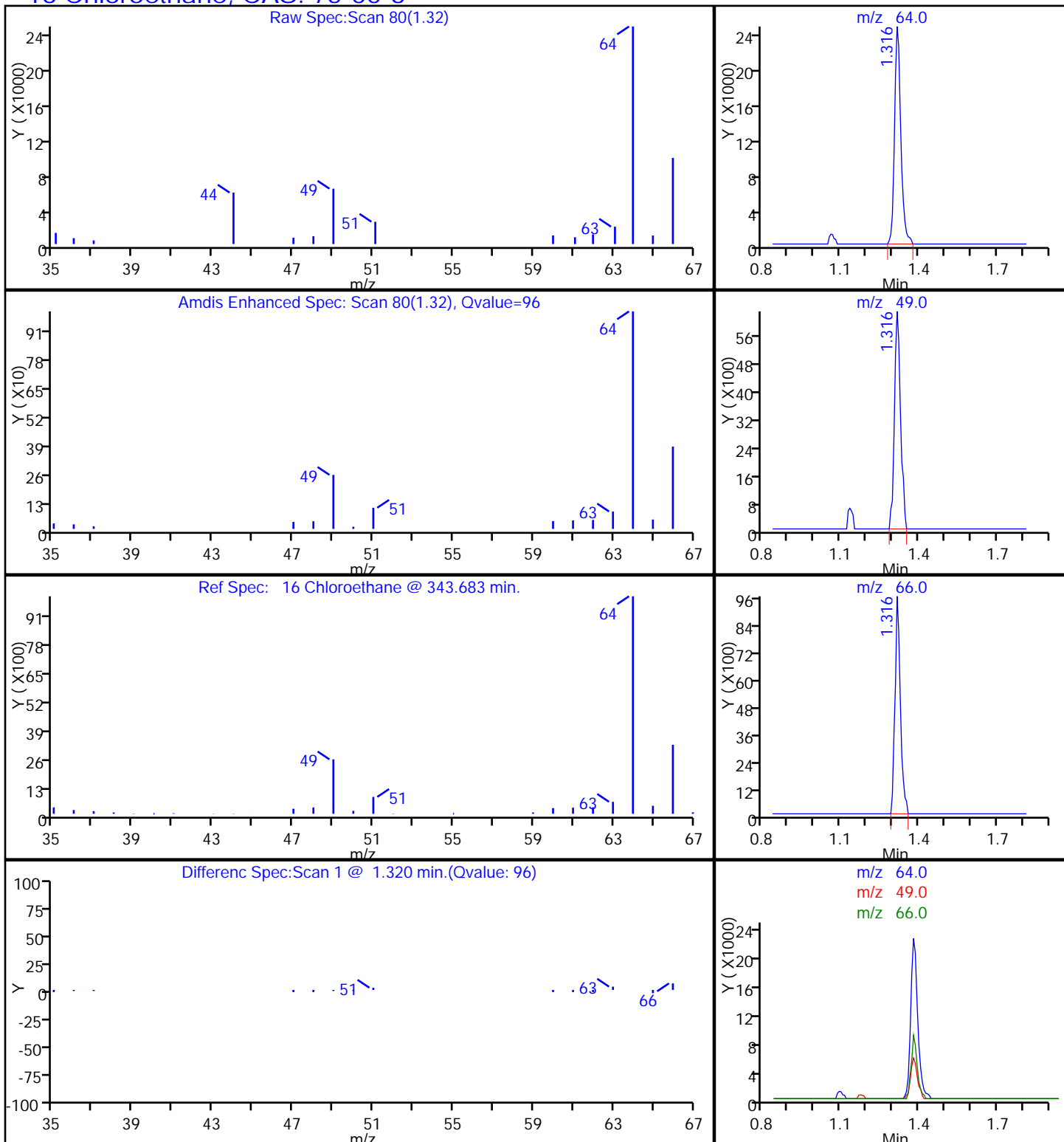
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2065.D

Injection Date: 21-Oct-2013 16:00:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-5

Lab Sample ID:

Client ID: MW-12

Operator ID: LH

ALS Bottle#: 44

Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

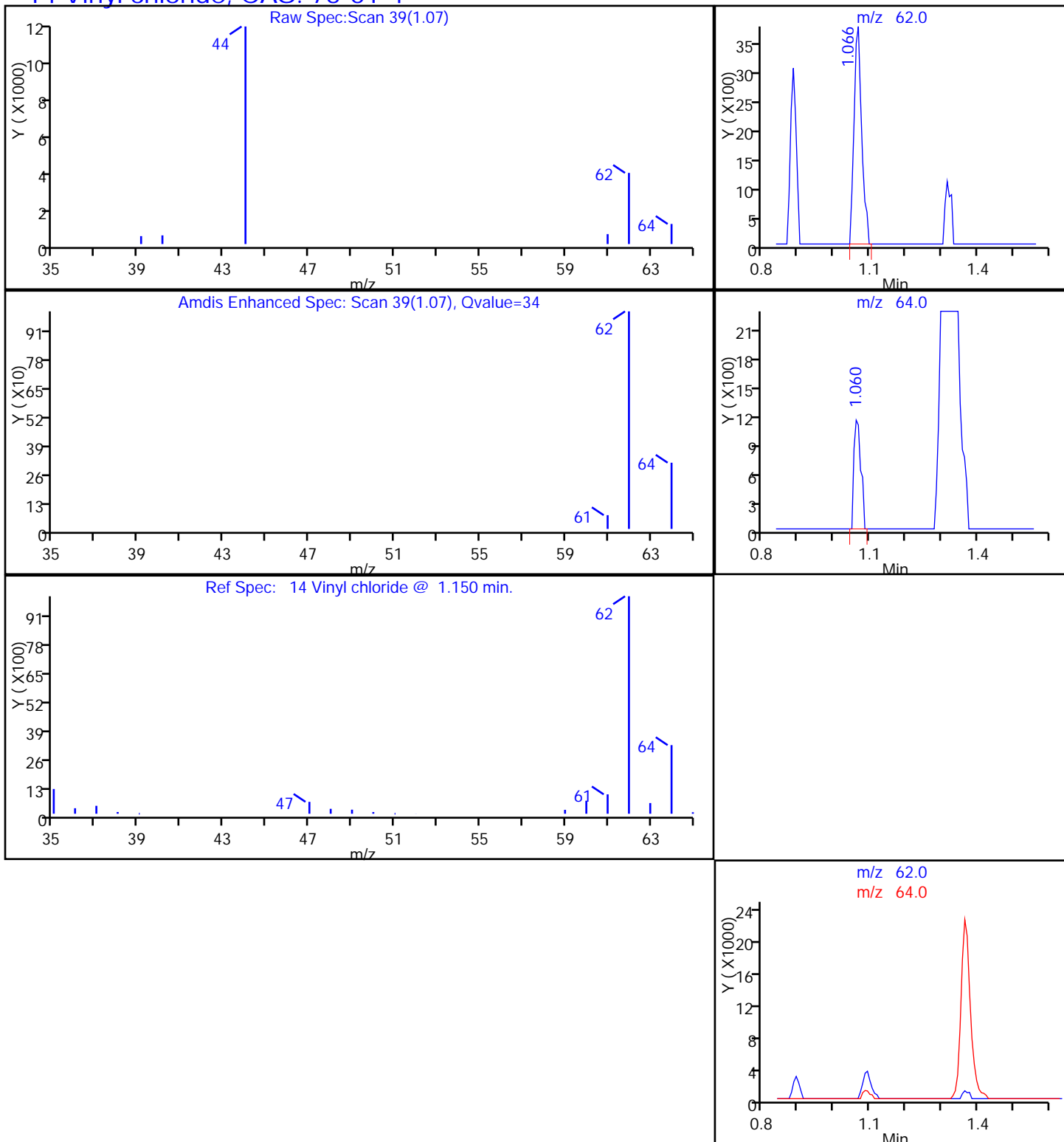
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: MW-3 Lab Sample ID: 480-47807-6
 Matrix: Ground Water Lab File ID: N2066.D
 Analysis Method: 8260C Date Collected: 10/10/2013 13:45
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 16:24
 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.: 146247 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	7.9		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
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	3.8		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	3.3		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: MW-3 Lab Sample ID: 480-47807-6
 Matrix: Ground Water Lab File ID: N2066.D
 Analysis Method: 8260C Date Collected: 10/10/2013 13:45
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 16:24
 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.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	9.1		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		66-137
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	103		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2066.D
 Lims ID: 480-47807-A-6 Lab Sample ID:
 Client ID: MW-3
 Sample Type: Client
 Inject. Date: 21-Oct-2013 16:24:30 ALS Bottle#: 45 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-47807-A-6
 Misc. Info.: 480-0026414-017
 Operator ID: LH Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 19:16:13 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK051

First Level Reviewer: larsonr

Date: 21-Oct-2013 19:18:02

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.436	0.001	91	369742	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	315944	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	151807	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	85	170072	25.1	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	587269	25.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	87	163811	24.6	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.999					
14 Vinyl chloride	62	1.066	1.066	0.0	96	51837	9.15	
15 Bromomethane	94		1.249					
16 Chloroethane	64	1.322	1.316	0.006	63	9577	3.84	
18 Trichlorofluoromethane	101		1.449					
22 1,1-Dichloroethene	96		1.808					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		1.821					
23 Acetone	43	1.918	1.906	0.012	67	4575	2.47	
25 Carbon disulfide	76		1.954					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96	2.435	2.429	0.006	53	2523	0.4184	
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63	2.806	2.800	0.006	80	89033	7.86	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	60	22168	3.30	
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.114					
60 Trichloroethene	95		4.643					
62 Methylcyclohexane	83		4.759					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		4.868					
67 Dichlorobromomethane	83		5.160					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.687					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.253					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.928					
93 Bromoform	173		8.147					
95 Isopropylbenzene	105		8.287					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.082					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.560					
S 126 Xylenes, Total	1		30.000					

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2066.D

Injection Date: 21-Oct-2013 16:24:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-47807-A-6

Lab Sample ID:

Worklist Smp#: 17

Client ID: MW-3

Purge Vol: 5.000 mL

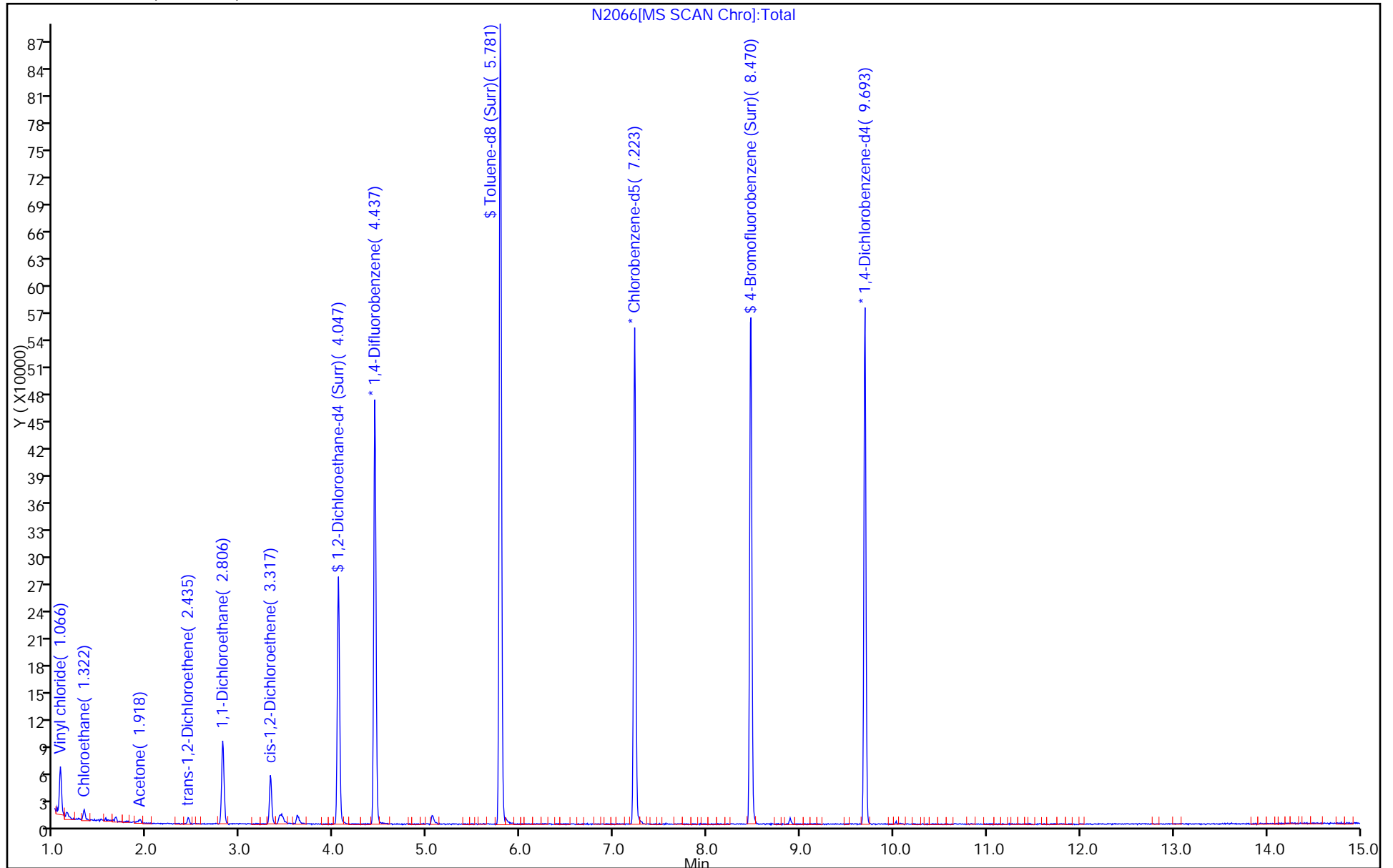
Dil. Factor: 1.0000

ALS Bottle#: 45

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2066.D

Injection Date: 21-Oct-2013 16:24:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-6

Lab Sample ID:

Client ID: MW-3

Operator ID: LH

ALS Bottle#: 45

Worklist Smp#: 17

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

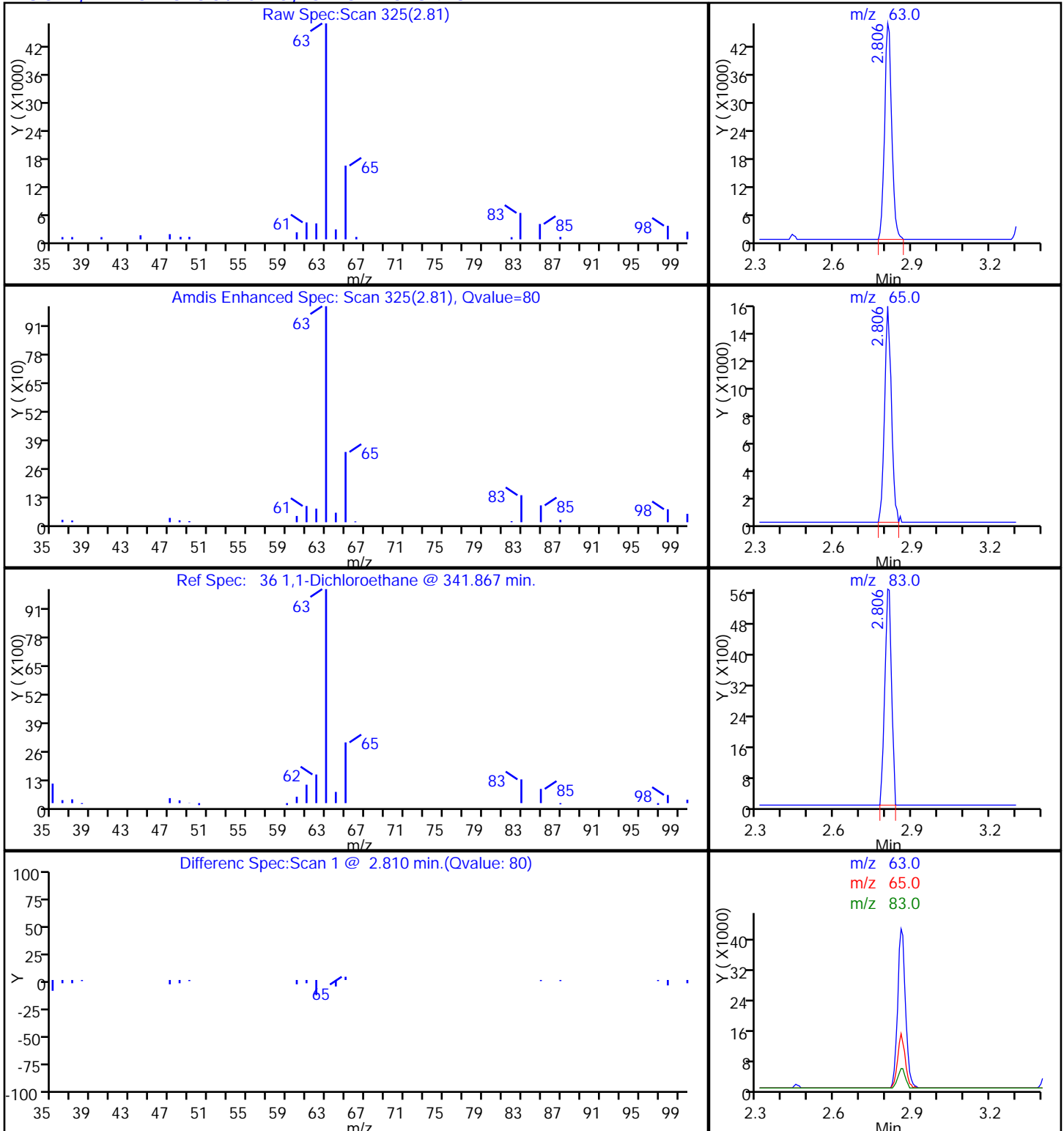
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2066.D

Injection Date: 21-Oct-2013 16:24:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-6

Lab Sample ID:

Client ID: MW-3

Operator ID: LH

ALS Bottle#: 45

Worklist Smp#: 17

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

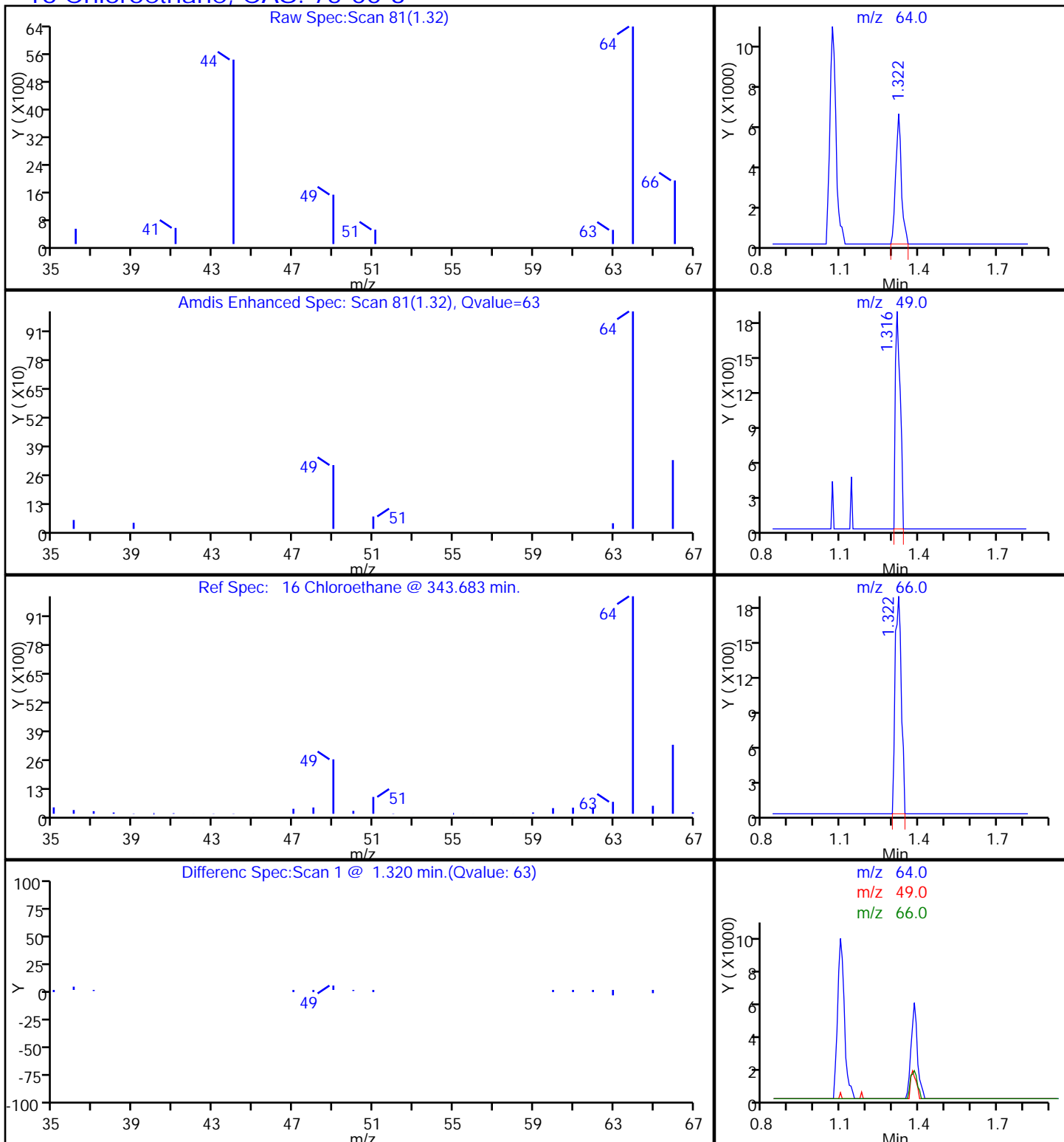
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

16 Chloroethane, CAS: 75-00-3



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2066.D

Injection Date: 21-Oct-2013 16:24:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-6

Lab Sample ID:

Client ID: MW-3

Operator ID: LH

ALS Bottle#: 45

Worklist Smp#: 17

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

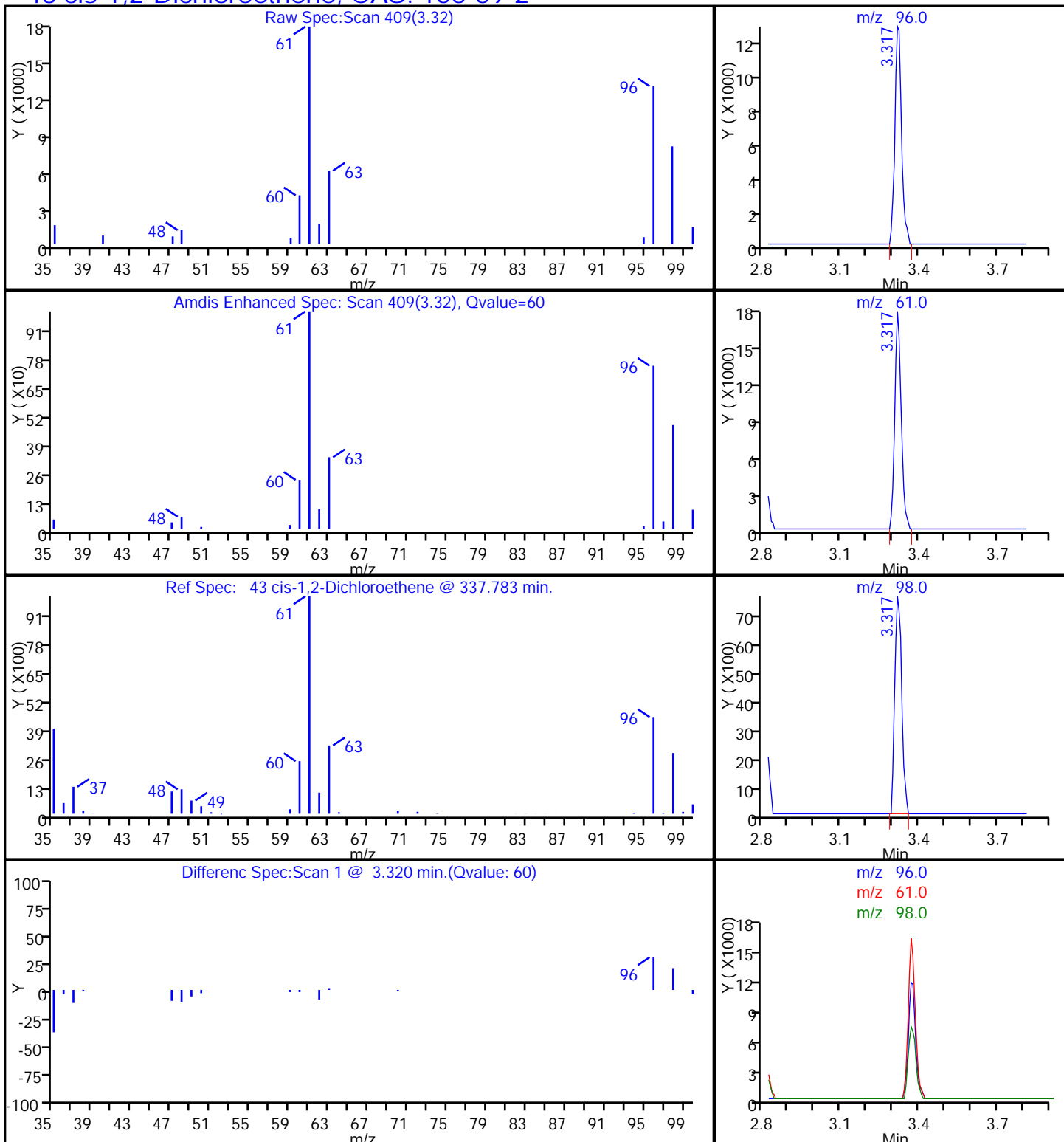
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2066.D

Injection Date: 21-Oct-2013 16:24:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-6

Lab Sample ID:

Client ID: MW-3

Operator ID: LH

ALS Bottle#: 45

Worklist Smp#: 17

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

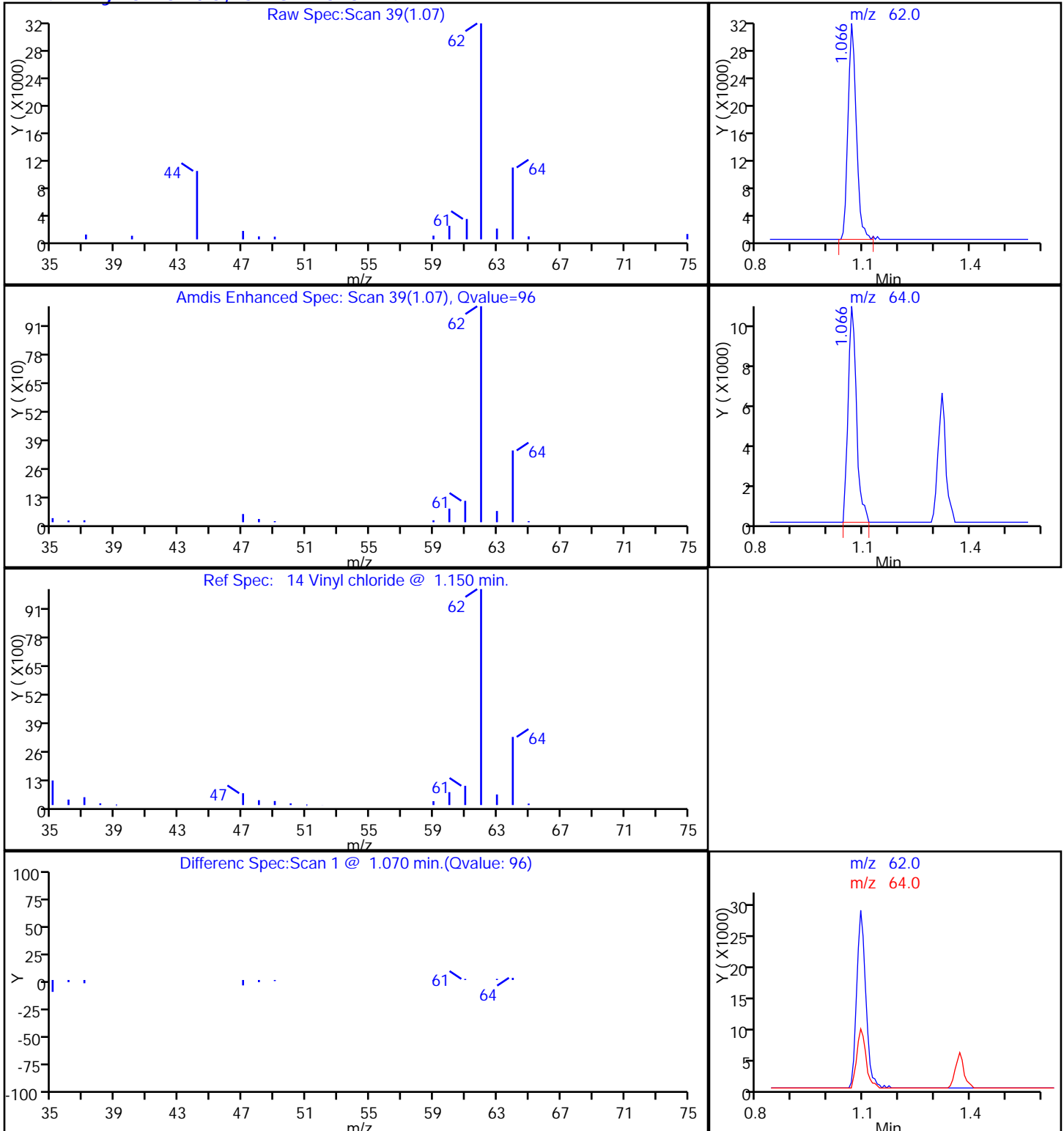
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: MW-8R Lab Sample ID: 480-47807-7
 Matrix: Ground Water Lab File ID: N2067.D
 Analysis Method: 8260C Date Collected: 10/10/2013 14:10
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 16:48
 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.: 146247 Units: ug/L

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	470	J	1000	290
120-82-1	1,2,4-Trichlorobenzene	ND		1000	410
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1000	390
106-93-4	1,2-Dibromoethane	ND		1000	730
95-50-1	1,2-Dichlorobenzene	ND		1000	790
107-06-2	1,2-Dichloroethane	ND		1000	210
78-87-5	1,2-Dichloropropane	ND		1000	720
541-73-1	1,3-Dichlorobenzene	ND		1000	780
106-46-7	1,4-Dichlorobenzene	ND		1000	840
78-93-3	2-Butanone (MEK)	ND		10000	1300
591-78-6	2-Hexanone	ND		5000	1200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5000	2100
67-64-1	Acetone	ND		10000	3000
71-43-2	Benzene	ND		1000	410
75-27-4	Bromodichloromethane	ND		1000	390
75-25-2	Bromoform	ND		1000	260
74-83-9	Bromomethane	ND		1000	690
75-15-0	Carbon disulfide	ND		1000	190
56-23-5	Carbon tetrachloride	ND		1000	270
108-90-7	Chlorobenzene	ND		1000	750
75-00-3	Chloroethane	ND		1000	320
67-66-3	Chloroform	ND		1000	340
74-87-3	Chloromethane	ND		1000	350
156-59-2	cis-1,2-Dichloroethene	57000		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.: 480-47807-1
 SDG No.: _____
 Client Sample ID: MW-8R Lab Sample ID: 480-47807-7
 Matrix: Ground Water Lab File ID: N2067.D
 Analysis Method: 8260C Date Collected: 10/10/2013 14:10
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 16:48
 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.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1000	500
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	100000		1000	460
75-69-4	Trichlorofluoromethane	ND		1000	880
75-01-4	Vinyl chloride	2700		1000	900
1330-20-7	Xylenes, Total	ND		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		66-137
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
2037-26-5	Toluene-d8 (Surr)	103		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2067.D
 Lims ID: 480-47807-A-7 Lab Sample ID:
 Client ID: MW-8R
 Sample Type: Client
 Inject. Date: 21-Oct-2013 16:48:30 ALS Bottle#: 46 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1000.0000
 Sample Info: 480-47807-A-7
 Misc. Info.: 480-0026414-018
 Operator ID: LH Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 19:16:13 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK051

First Level Reviewer: larsonr

Date: 21-Oct-2013 19:18:30

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.436	4.436	0.0	91	383490	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	319384	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	156643	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	85	174371	24.8	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	595250	25.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	163774	24.4	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.999					
14 Vinyl chloride	62	1.066	1.066	0.0	76	16001	2.72	
15 Bromomethane	94		1.249					
16 Chloroethane	64		1.316					
18 Trichlorofluoromethane	101		1.449					
22 1,1-Dichloroethene	96	1.814	1.808	0.006	34	2110	0.4664	
21 1,1,2-Trichloro-1,2,2-trifluoro	101		1.821					
23 Acetone	43		1.906					
25 Carbon disulfide	76		1.954					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	81	399258	57.3	
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.114					
60 Trichloroethene	95	4.643	4.643	0.0	92	621730	99.8	
62 Methylcyclohexane	83		4.759					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		4.868					
67 Dichlorobromomethane	83		5.160					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.687					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.253					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.928					
93 Bromoform	173		8.147					
95 Isopropylbenzene	105		8.287					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.082					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.560					
S 126 Xylenes, Total	1		30.000					

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2067.D

Injection Date: 21-Oct-2013 16:48:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-47807-A-7

Lab Sample ID:

Worklist Smp#: 18

Client ID: MW-8R

Purge Vol: 5.000 mL

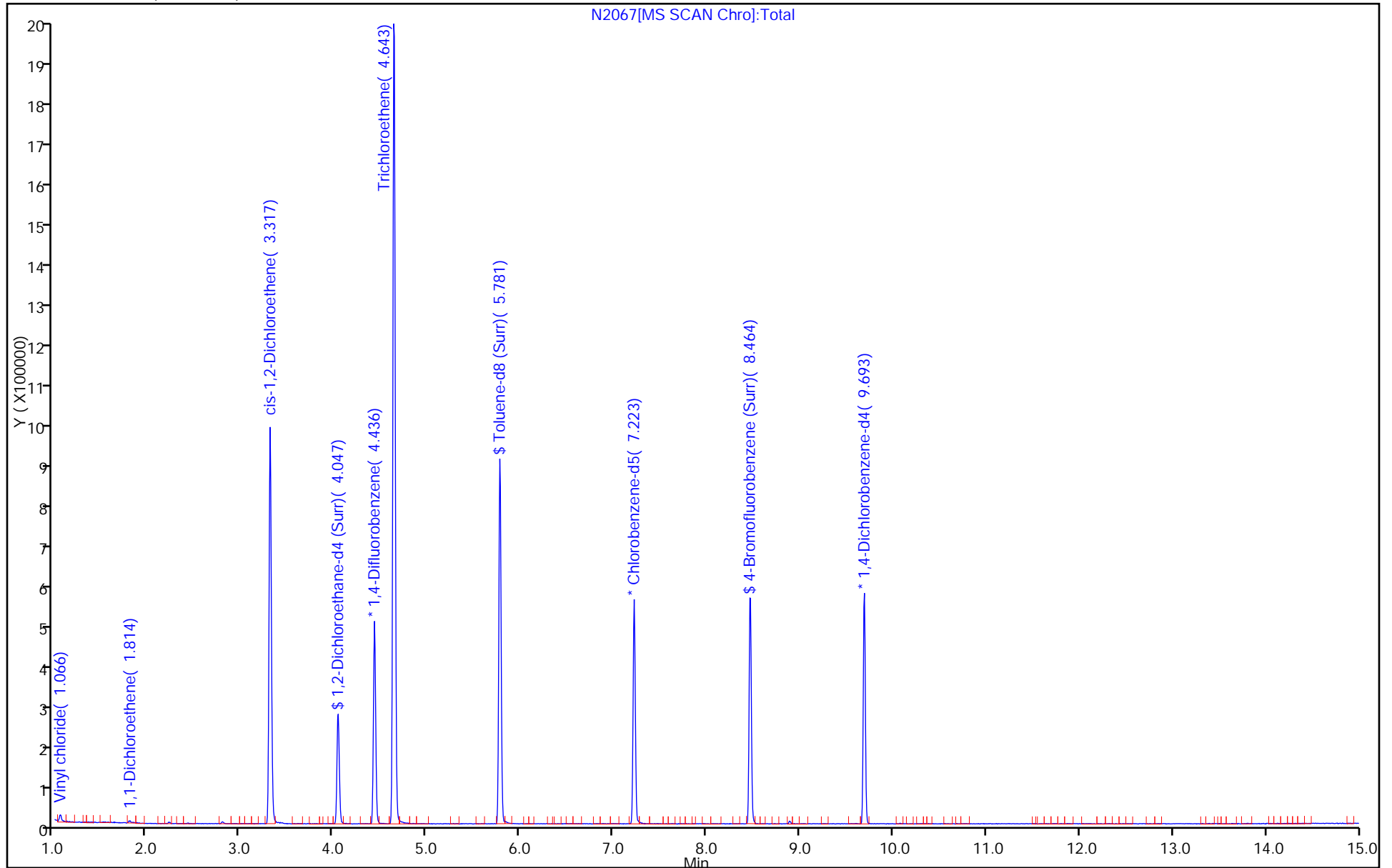
Dil. Factor: 1000.0000

ALS Bottle#: 46

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2067.D

Injection Date: 21-Oct-2013 16:48:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-7

Lab Sample ID:

Client ID: MW-8R

Operator ID: LH

ALS Bottle#: 46

Worklist Smp#: 18

Purge Vol: 5.000 mL

Dil. Factor: 1000.0000

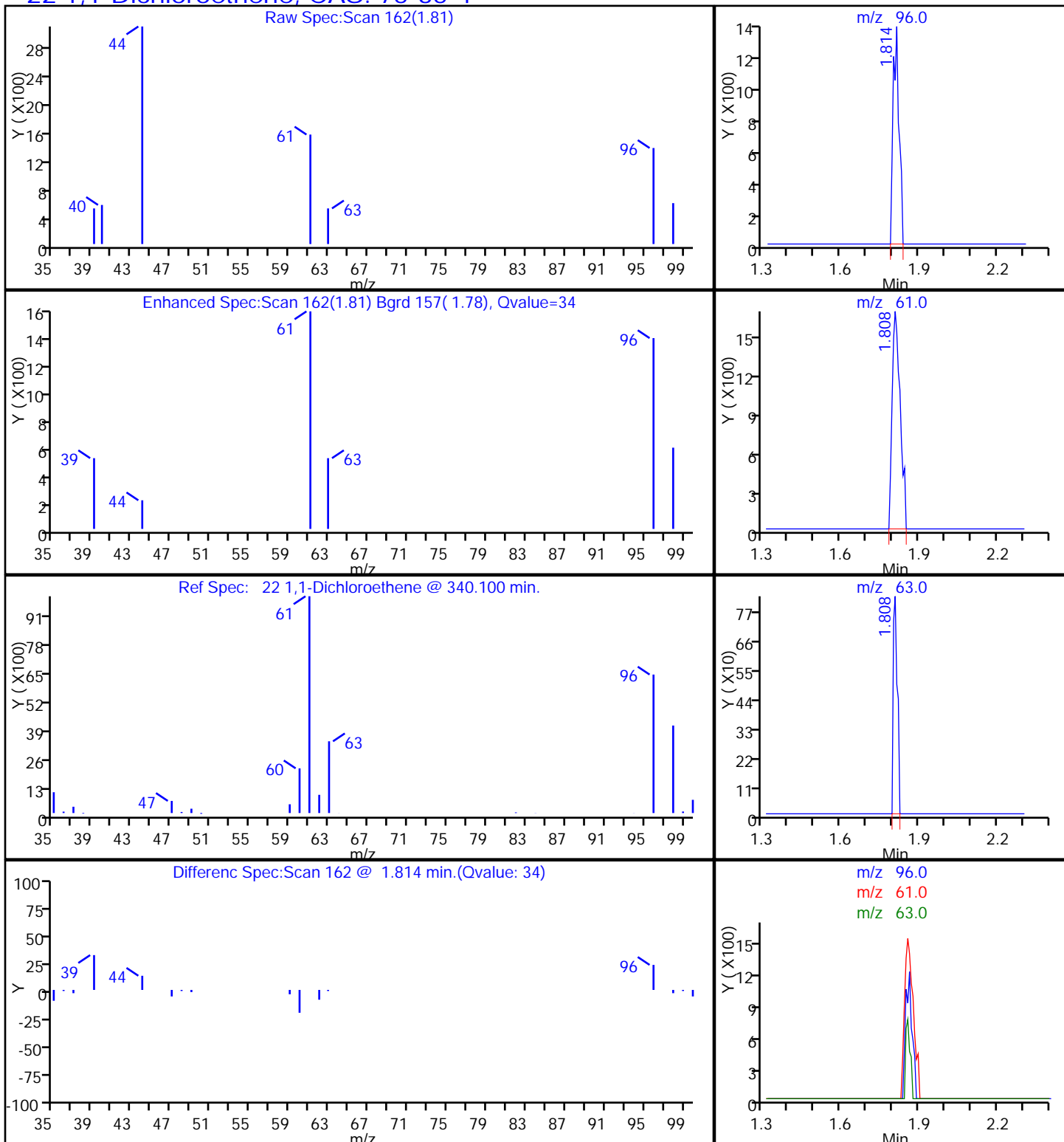
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2067.D

Injection Date: 21-Oct-2013 16:48:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-7

Lab Sample ID:

Client ID: MW-8R

Operator ID: LH

ALS Bottle#: 46

Worklist Smp#: 18

Purge Vol: 5.000 mL

Dil. Factor: 1000.0000

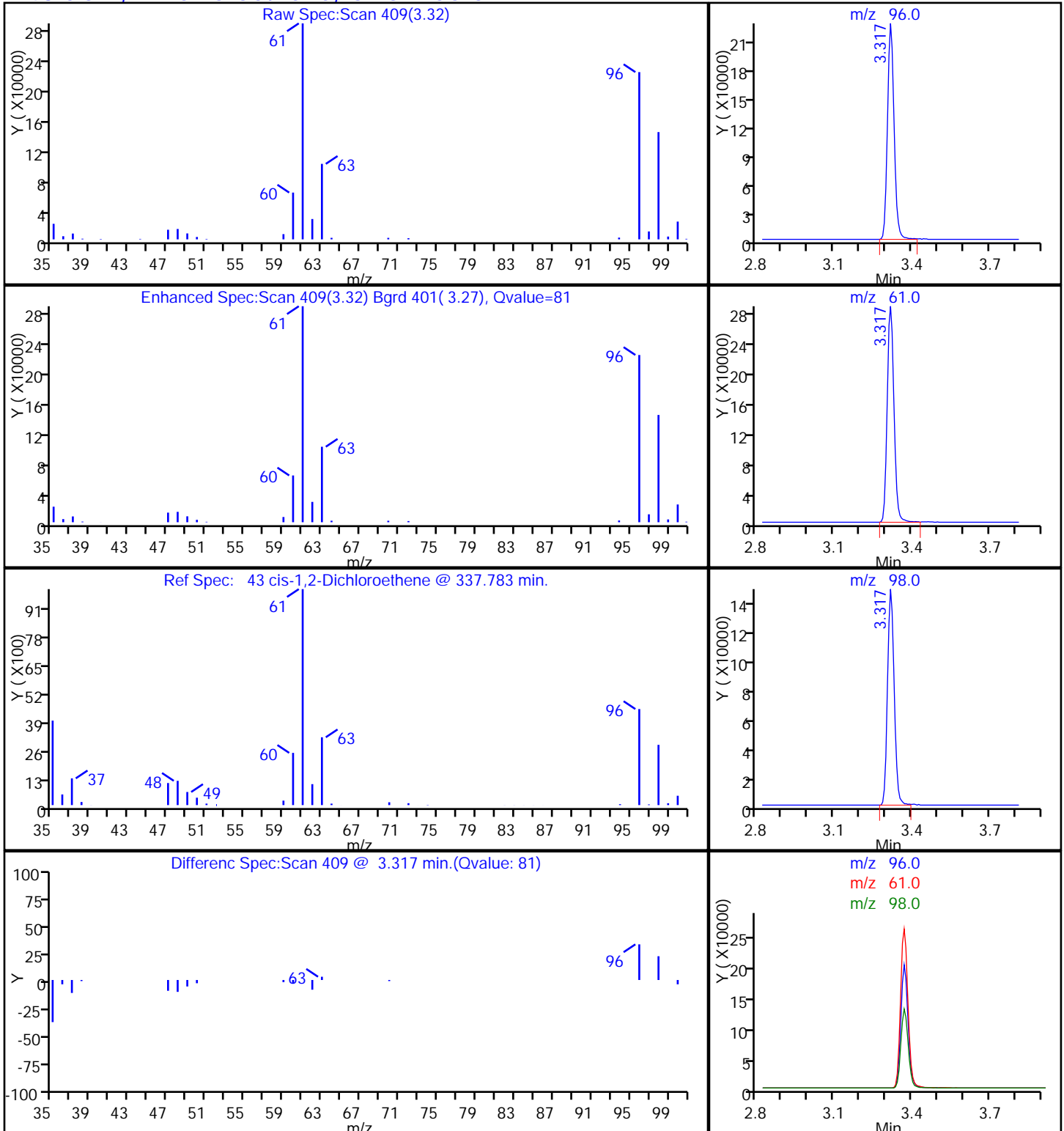
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2067.D

Injection Date: 21-Oct-2013 16:48:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-7

Lab Sample ID:

Client ID: MW-8R

Operator ID: LH

ALS Bottle#: 46

Worklist Smp#: 18

Purge Vol: 5.000 mL

Dil. Factor: 1000.0000

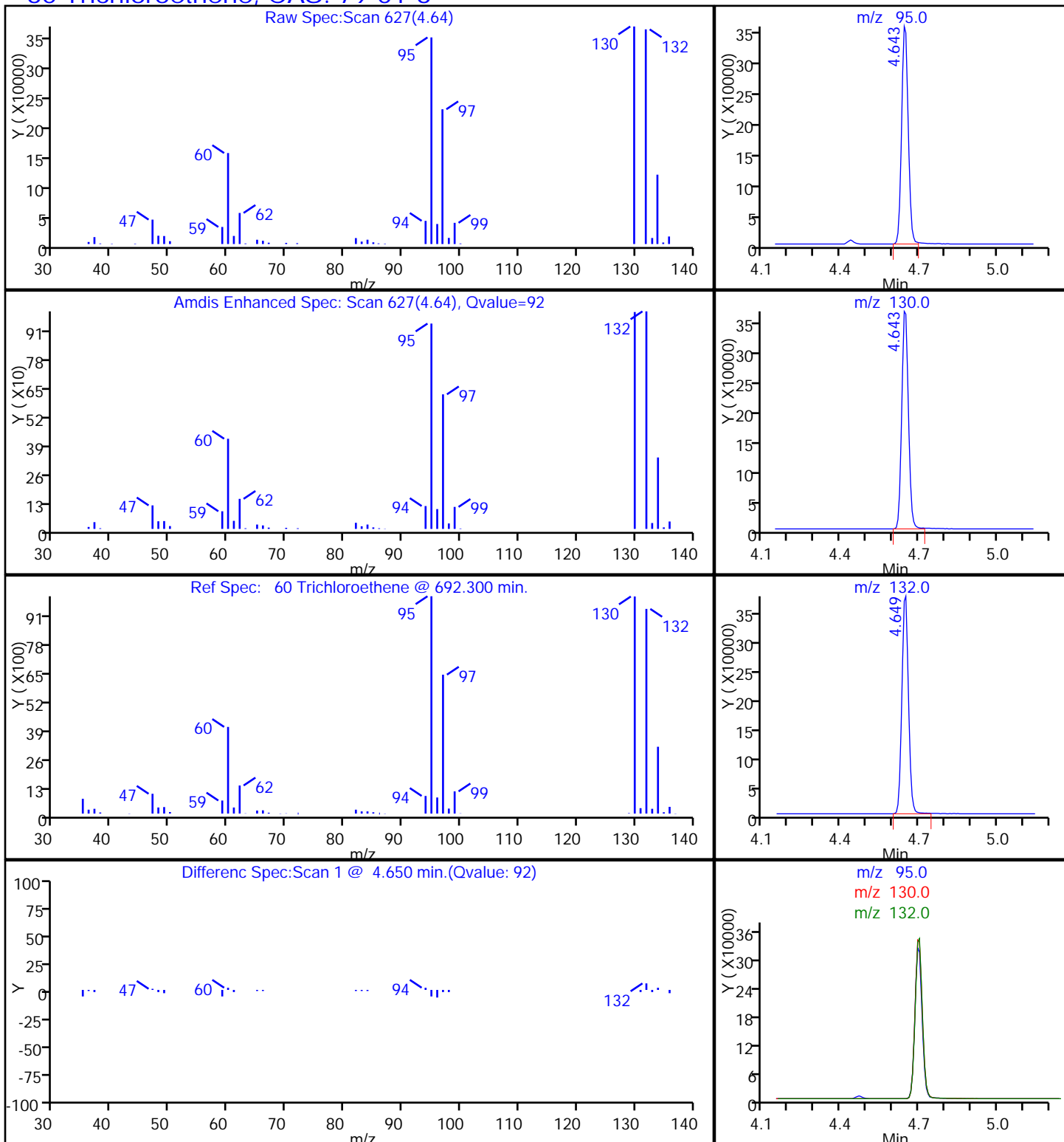
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2067.D

Injection Date: 21-Oct-2013 16:48:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-7

Lab Sample ID:

Client ID: MW-8R

Operator ID: LH

ALS Bottle#: 46

Worklist Smp#: 18

Purge Vol: 5.000 mL

Dil. Factor: 1000.0000

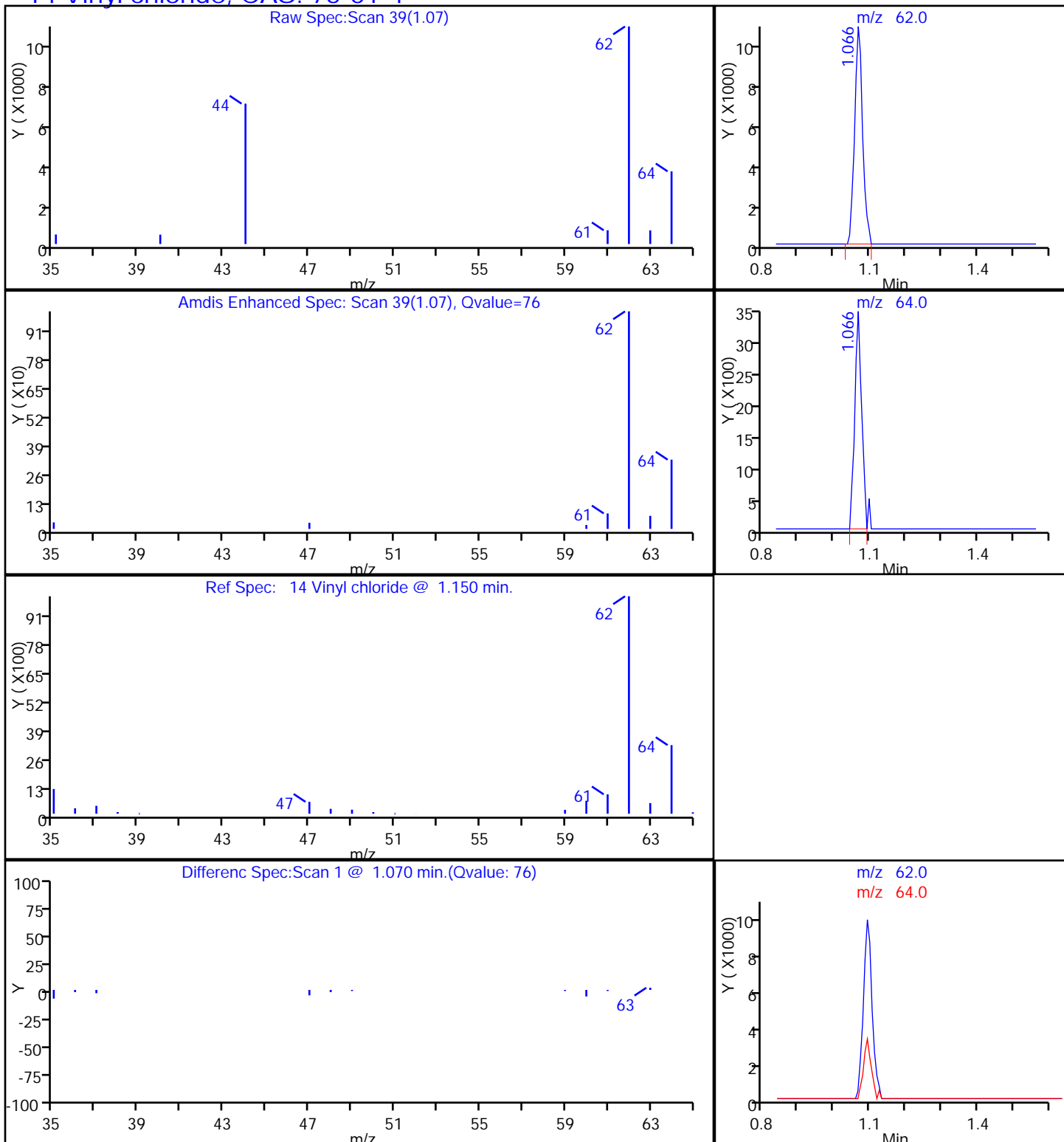
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: MW-13S Lab Sample ID: 480-47807-8
 Matrix: Ground Water Lab File ID: N2068.D
 Analysis Method: 8260C Date Collected: 10/10/2013 15:20
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 17:12
 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.: 146247 Units: ug/L

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	31000		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.: 480-47807-1
 SDG No.: _____
 Client Sample ID: MW-13S Lab Sample ID: 480-47807-8
 Matrix: Ground Water Lab File ID: N2068.D
 Analysis Method: 8260C Date Collected: 10/10/2013 15:20
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 17:12
 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.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1000	500
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	49000		1000	460
75-69-4	Trichlorofluoromethane	ND		1000	880
75-01-4	Vinyl chloride	ND		1000	900
1330-20-7	Xylenes, Total	ND		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		66-137
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
2037-26-5	Toluene-d8 (Surr)	104		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2068.D
 Lims ID: 480-47807-A-8 Lab Sample ID:
 Client ID: MW-13S
 Sample Type: Client
 Inject. Date: 21-Oct-2013 17:12:30 ALS Bottle#: 47 Worklist Smp#: 19
 Purge Vol: 5.000 mL Dil. Factor: 1000.0000
 Sample Info: 480-47807-A-8
 Misc. Info.: 480-0026414-019
 Operator ID: LH Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 19:16:13 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK051

First Level Reviewer: larsonr

Date: 21-Oct-2013 19:18:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.436	4.436	0.0	91	362799	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	304823	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	93	151951	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	86	165432	24.9	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	83	570701	25.9	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	160693	25.1	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.999					
14 Vinyl chloride	62	1.072	1.066	0.006	21	2898	0.5211	
15 Bromomethane	94		1.249					
16 Chloroethane	64		1.316					
18 Trichlorofluoromethane	101		1.449					
22 1,1-Dichloroethene	96		1.808					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.821					
23 Acetone	43		1.906					
25 Carbon disulfide	76		1.954					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	69	203068	30.8	
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.114					
60 Trichloroethene	95	4.649	4.643	0.006	92	286926	48.7	
62 Methylcyclohexane	83		4.759					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		4.868					
67 Dichlorobromomethane	83		5.160					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.687					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.253					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.928					
93 Bromoform	173		8.147					
95 Isopropylbenzene	105		8.287					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.082					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.560					
S 126 Xylenes, Total	1		30.000					

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2068.D

Injection Date: 21-Oct-2013 17:12:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-47807-A-8

Lab Sample ID:

Worklist Smp#: 19

Client ID: MW-13S

Purge Vol: 5.000 mL

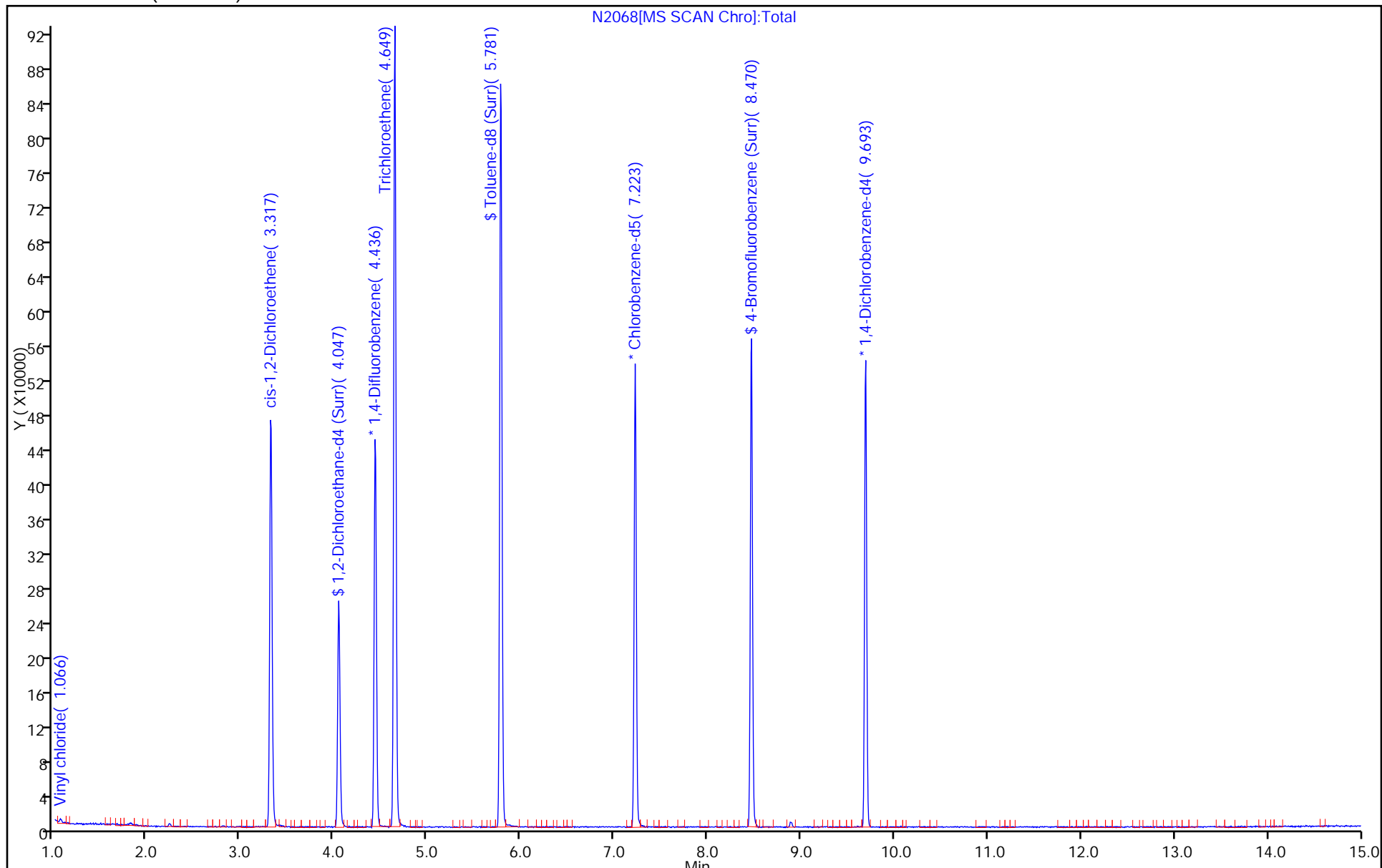
Dil. Factor: 1000.0000

ALS Bottle#: 47

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2068.D

Injection Date: 21-Oct-2013 17:12:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-8

Lab Sample ID:

Client ID: MW-13S

Operator ID: LH

ALS Bottle#: 47

Worklist Smp#: 19

Purge Vol: 5.000 mL

Dil. Factor: 1000.0000

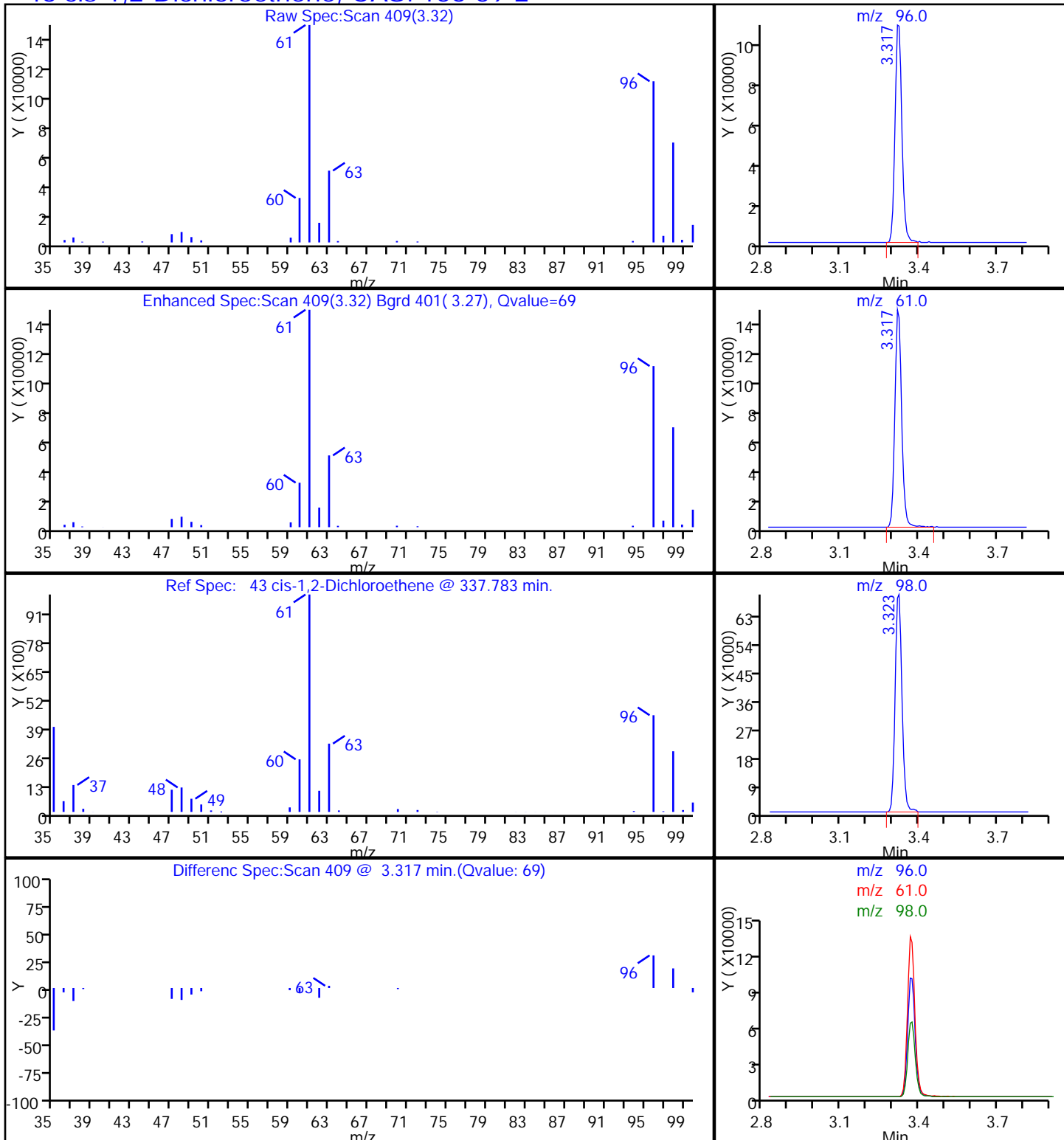
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2068.D

Injection Date: 21-Oct-2013 17:12:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-8

Lab Sample ID:

Client ID: MW-13S

Operator ID: LH

ALS Bottle#: 47

Worklist Smp#: 19

Purge Vol: 5.000 mL

Dil. Factor: 1000.0000

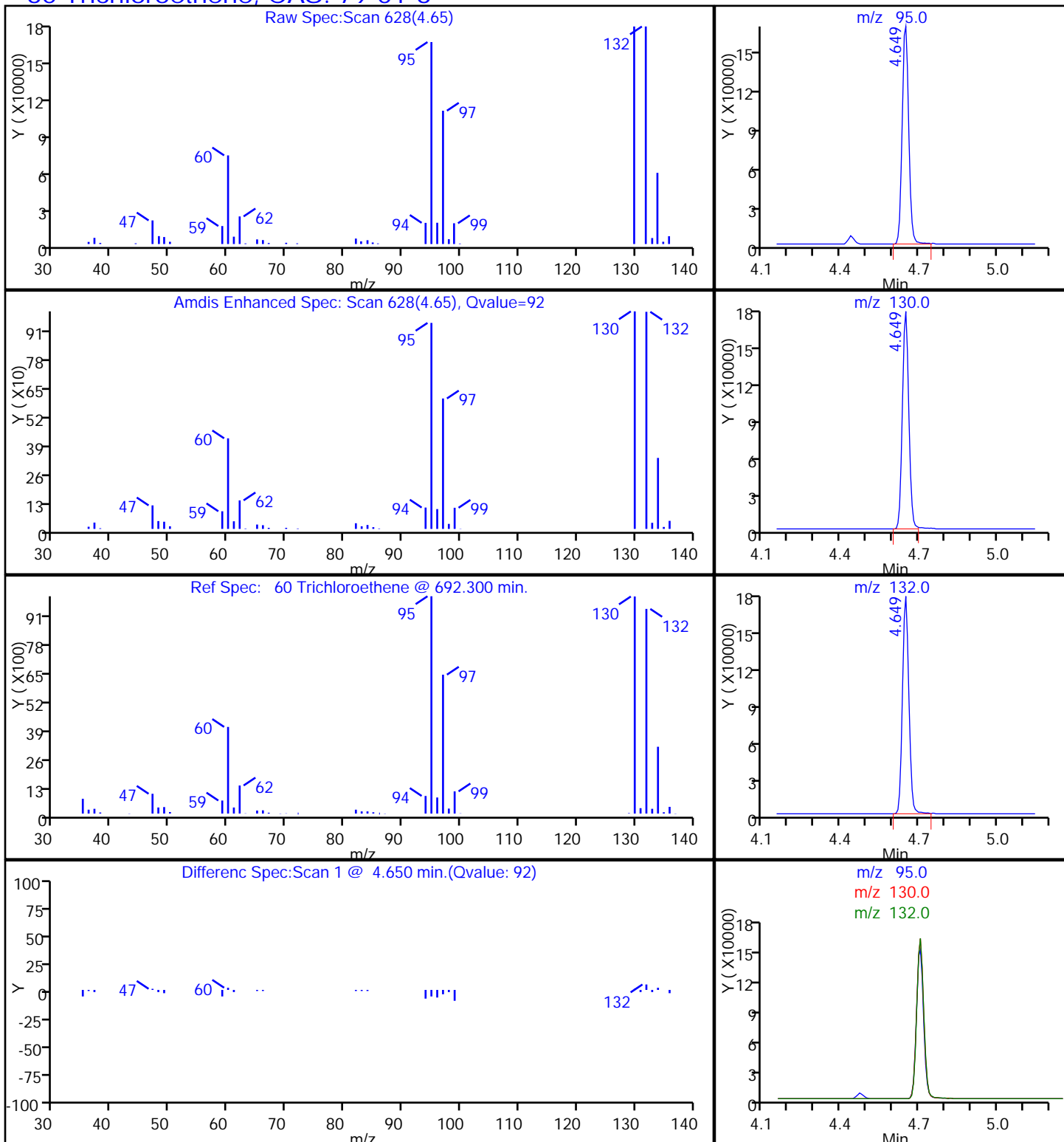
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: Rinse Blank Lab Sample ID: 480-47807-9
 Matrix: Water Lab File ID: N2069.D
 Analysis Method: 8260C Date Collected: 10/10/2013 12:10
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 17:36
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 146247 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.: 480-47807-1
 SDG No.: _____
 Client Sample ID: Rinse Blank Lab Sample ID: 480-47807-9
 Matrix: Water Lab File ID: N2069.D
 Analysis Method: 8260C Date Collected: 10/10/2013 12:10
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 17:36
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		66-137
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2069.D
 Lims ID: 480-47807-A-9 Lab Sample ID:
 Client ID: Rinse Blank
 Sample Type: Client
 Inject. Date: 21-Oct-2013 17:36:30 ALS Bottle#: 48 Worklist Smp#: 20
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-47807-A-9
 Misc. Info.: 480-0026414-020
 Operator ID: LH Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 19:16:13 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK051

First Level Reviewer: larsonr

Date: 21-Oct-2013 19:19:00

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.436	4.436	0.0	91	374528	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	83	313693	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	153490	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	85	170893	24.9	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	579810	25.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	87	160352	24.3	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.999					
14 Vinyl chloride	62		1.066					
15 Bromomethane	94		1.249					
16 Chloroethane	64		1.316					
18 Trichlorofluoromethane	101		1.449					
22 1,1-Dichloroethene	96		1.808					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		1.821					
23 Acetone	43		1.906					
25 Carbon disulfide	76		1.954					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.114					
60 Trichloroethene	95		4.643					
62 Methylcyclohexane	83		4.759					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		4.868					
67 Dichlorobromomethane	83		5.160					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.687					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.253					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.928					
93 Bromoform	173		8.147					
95 Isopropylbenzene	105		8.287					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.082					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.560					
S 126 Xylenes, Total	1		30.000					

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2069.D

Injection Date: 21-Oct-2013 17:36:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-47807-A-9

Lab Sample ID:

Worklist Smp#: 20

Client ID: Rinse Blank

Purge Vol: 5.000 mL

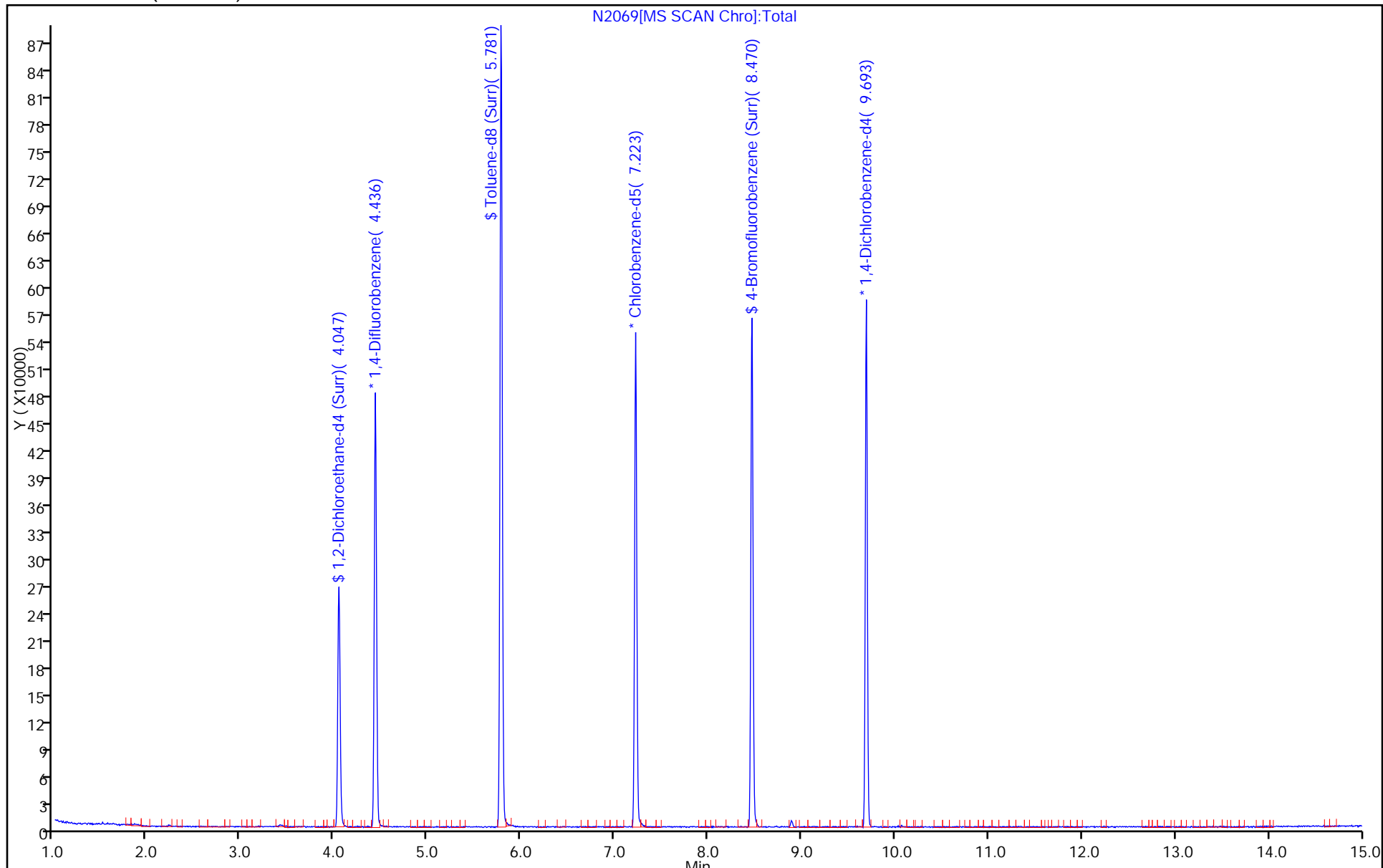
Dil. Factor: 1.0000

ALS Bottle#: 48

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: Duplicate Lab Sample ID: 480-47807-10
 Matrix: Water Lab File ID: N2070.D
 Analysis Method: 8260C Date Collected: 10/10/2013 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 18:00
 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.: 146247 Units: ug/L

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	340	J	1000	290
120-82-1	1,2,4-Trichlorobenzene	ND		1000	410
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1000	390
106-93-4	1,2-Dibromoethane	ND		1000	730
95-50-1	1,2-Dichlorobenzene	ND		1000	790
107-06-2	1,2-Dichloroethane	ND		1000	210
78-87-5	1,2-Dichloropropane	ND		1000	720
541-73-1	1,3-Dichlorobenzene	ND		1000	780
106-46-7	1,4-Dichlorobenzene	ND		1000	840
78-93-3	2-Butanone (MEK)	ND		10000	1300
591-78-6	2-Hexanone	ND		5000	1200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5000	2100
67-64-1	Acetone	ND		10000	3000
71-43-2	Benzene	ND		1000	410
75-27-4	Bromodichloromethane	ND		1000	390
75-25-2	Bromoform	ND		1000	260
74-83-9	Bromomethane	ND		1000	690
75-15-0	Carbon disulfide	ND		1000	190
56-23-5	Carbon tetrachloride	ND		1000	270
108-90-7	Chlorobenzene	ND		1000	750
75-00-3	Chloroethane	ND		1000	320
67-66-3	Chloroform	ND		1000	340
74-87-3	Chloromethane	ND		1000	350
156-59-2	cis-1,2-Dichloroethene	58000		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.: 480-47807-1
 SDG No.: _____
 Client Sample ID: Duplicate Lab Sample ID: 480-47807-10
 Matrix: Water Lab File ID: N2070.D
 Analysis Method: 8260C Date Collected: 10/10/2013 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 18:00
 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.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1000	500
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	100000	E	1000	460
75-69-4	Trichlorofluoromethane	ND		1000	880
75-01-4	Vinyl chloride	2900		1000	900
1330-20-7	Xylenes, Total	ND		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		66-137
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2070.D
 Lims ID: 480-47807-A-10 Lab Sample ID:
 Client ID: Duplicate
 Sample Type: Client
 Inject. Date: 21-Oct-2013 18:00:30 ALS Bottle#: 49 Worklist Smp#: 21
 Purge Vol: 5.000 mL Dil. Factor: 1000.0000
 Sample Info: 480-47807-A-10
 Misc. Info.: 480-0026414-021
 Operator ID: LH Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 19:20:24 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK051

First Level Reviewer: larsonr

Date: 21-Oct-2013 19:20:24

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.436	0.001	91	373328	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	313747	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	93	155751	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	86	169851	24.8	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	578086	25.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	160862	24.4	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.999					
14 Vinyl chloride	62	1.066	1.066	0.0	64	16316	2.85	
15 Bromomethane	94		1.249					
16 Chloroethane	64		1.316					
18 Trichlorofluoromethane	101		1.449					
22 1,1-Dichloroethene	96	1.809	1.809	0.001	35	1495	0.3395	M
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		1.821					
23 Acetone	43		1.906					
25 Carbon disulfide	76		1.954					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84	2.234	2.228	0.006	48	1927	0.2903	
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	69	392429	57.8	
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.114					
60 Trichloroethene	95	4.650	4.643	0.007	92	621684	102.5	E
62 Methylcyclohexane	83		4.759					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		4.868					
67 Dichlorobromomethane	83		5.160					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.687					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.253					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.928					
93 Bromoform	173		8.147					
95 Isopropylbenzene	105		8.287					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.082					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.560					
S 126 Xylenes, Total	1		30.000					

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2070.D

Injection Date: 21-Oct-2013 18:00:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-47807-A-10

Lab Sample ID:

Worklist Smp#: 21

Client ID: Duplicate

Purge Vol: 5.000 mL

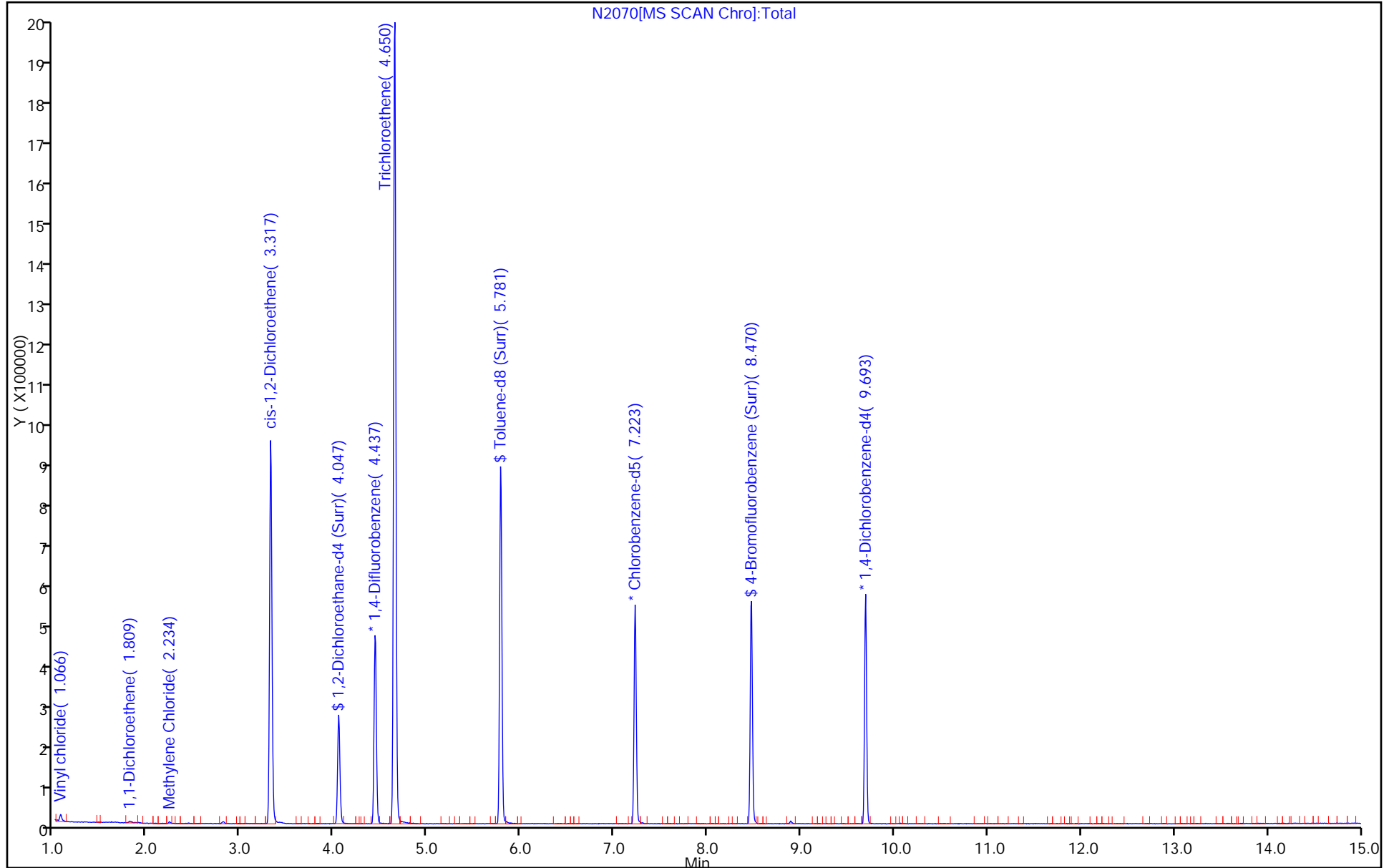
Dil. Factor: 1000.0000

ALS Bottle#: 49

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2070.D

Injection Date: 21-Oct-2013 18:00:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-10

Lab Sample ID:

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 49

Worklist Smp#: 21

Purge Vol: 5.000 mL

Dil. Factor: 1000.0000

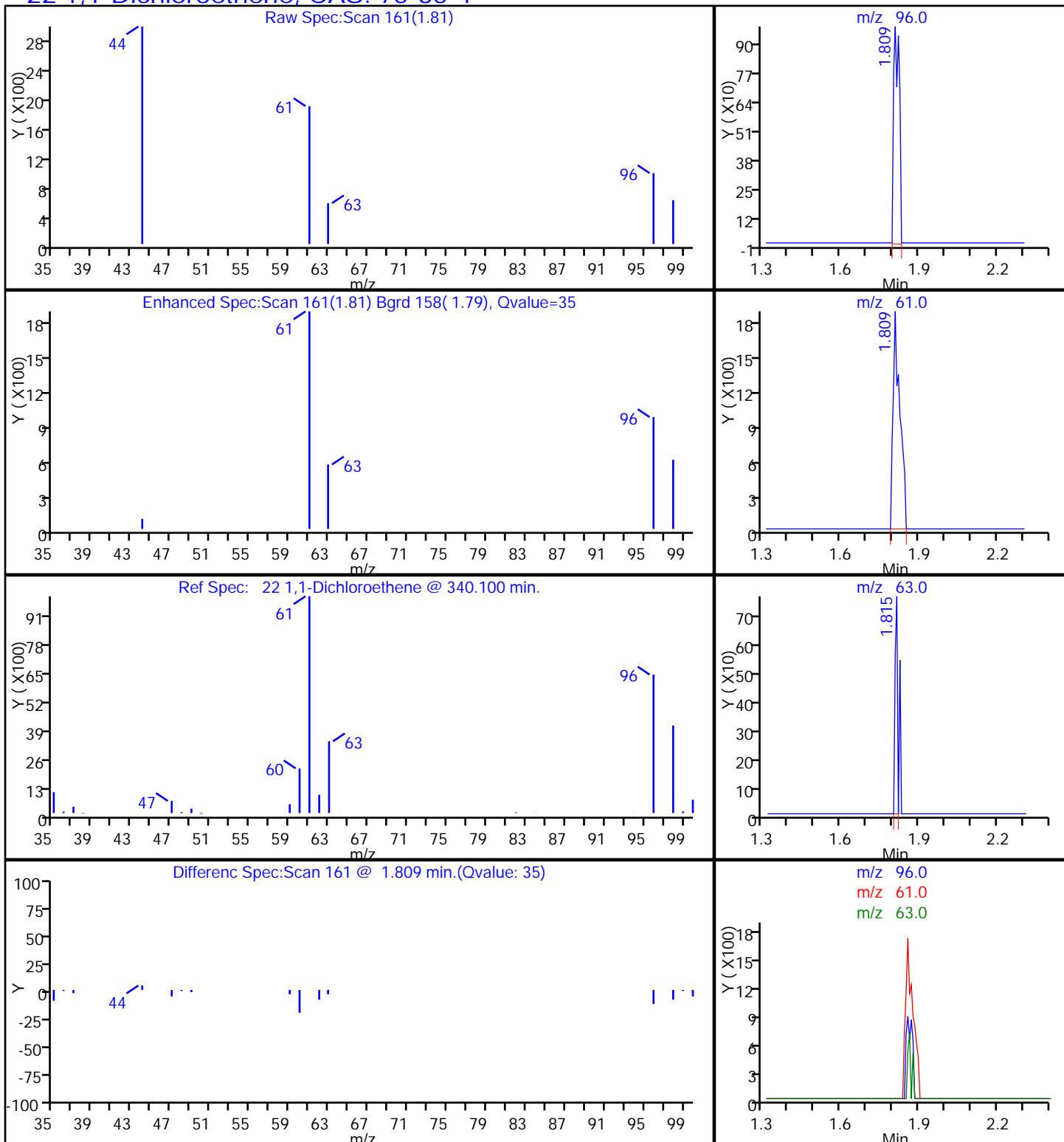
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2070.D

Injection Date: 21-Oct-2013 18:00:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-10

Lab Sample ID:

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 49

Worklist Smp#: 21

Purge Vol: 5.000 mL

Dil. Factor: 1000.0000

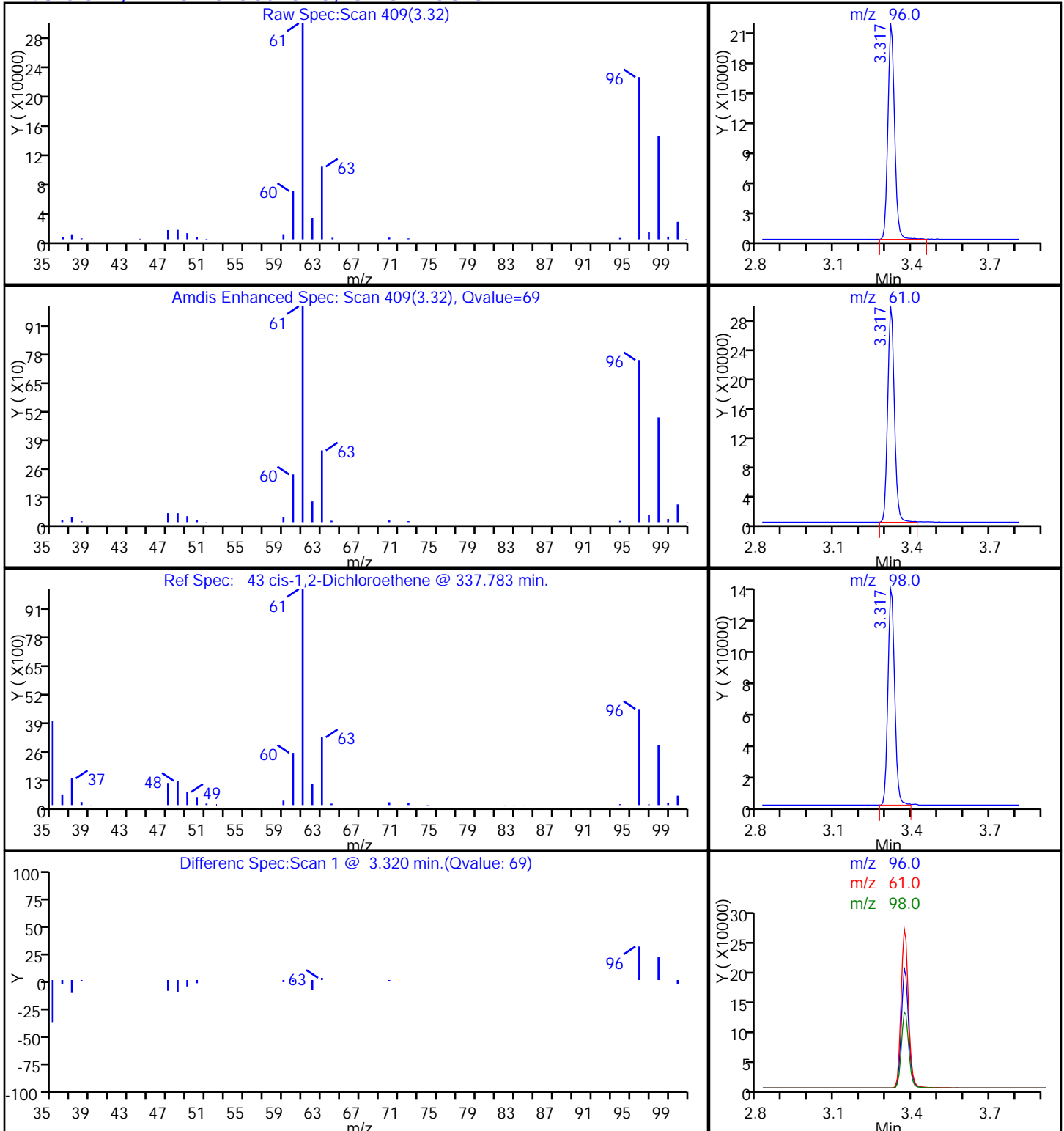
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2070.D

Injection Date: 21-Oct-2013 18:00:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-10

Lab Sample ID:

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 49

Worklist Smp#: 21

Purge Vol: 5.000 mL

Dil. Factor: 1000.0000

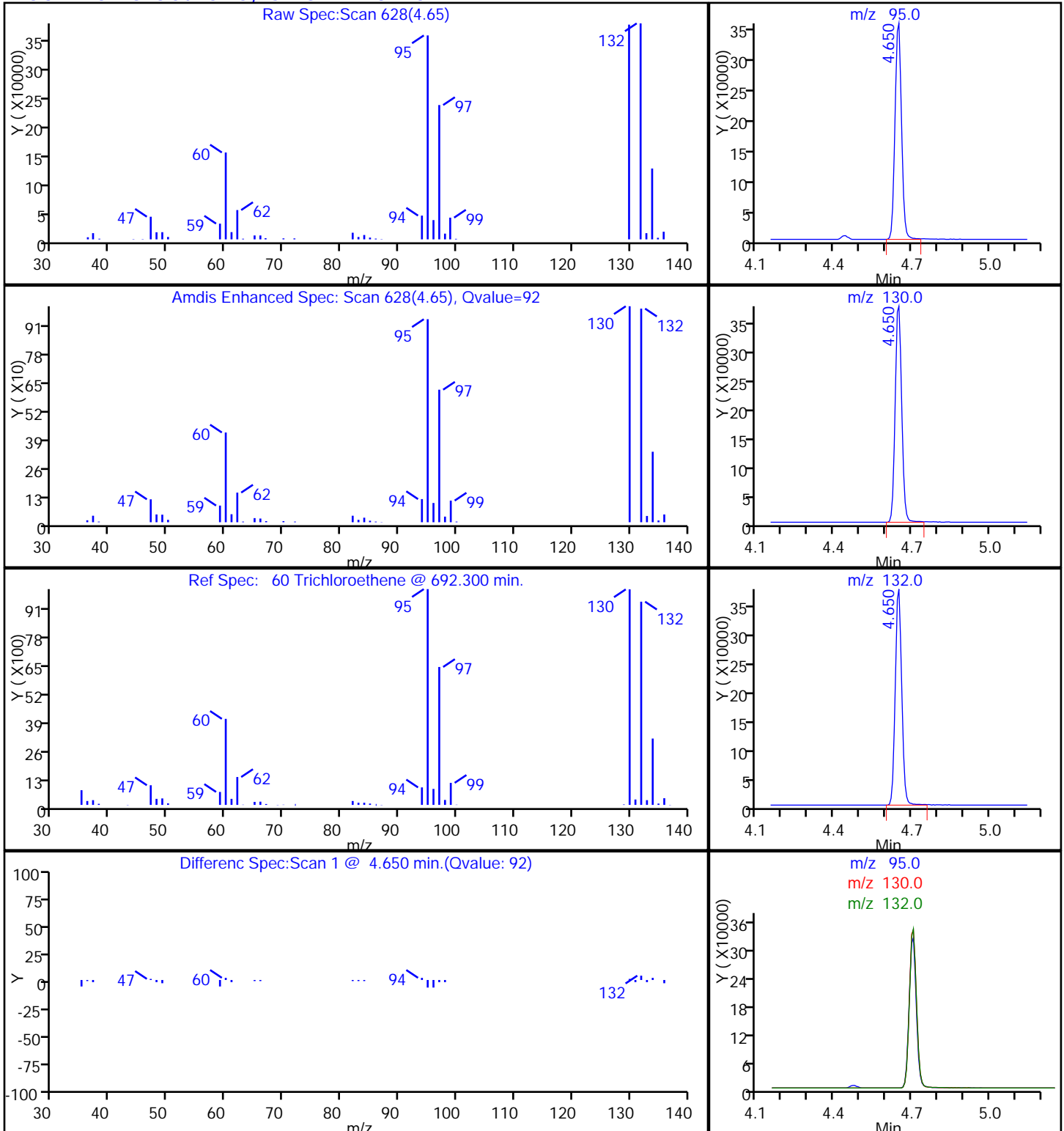
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2070.D

Injection Date: 21-Oct-2013 18:00:30

Instrument ID: HP5973N

Lims ID: 480-47807-A-10

Lab Sample ID:

Client ID: Duplicate

Operator ID: LH

ALS Bottle#: 49

Worklist Smp#: 21

Purge Vol: 5.000 mL

Dil. Factor: 1000.0000

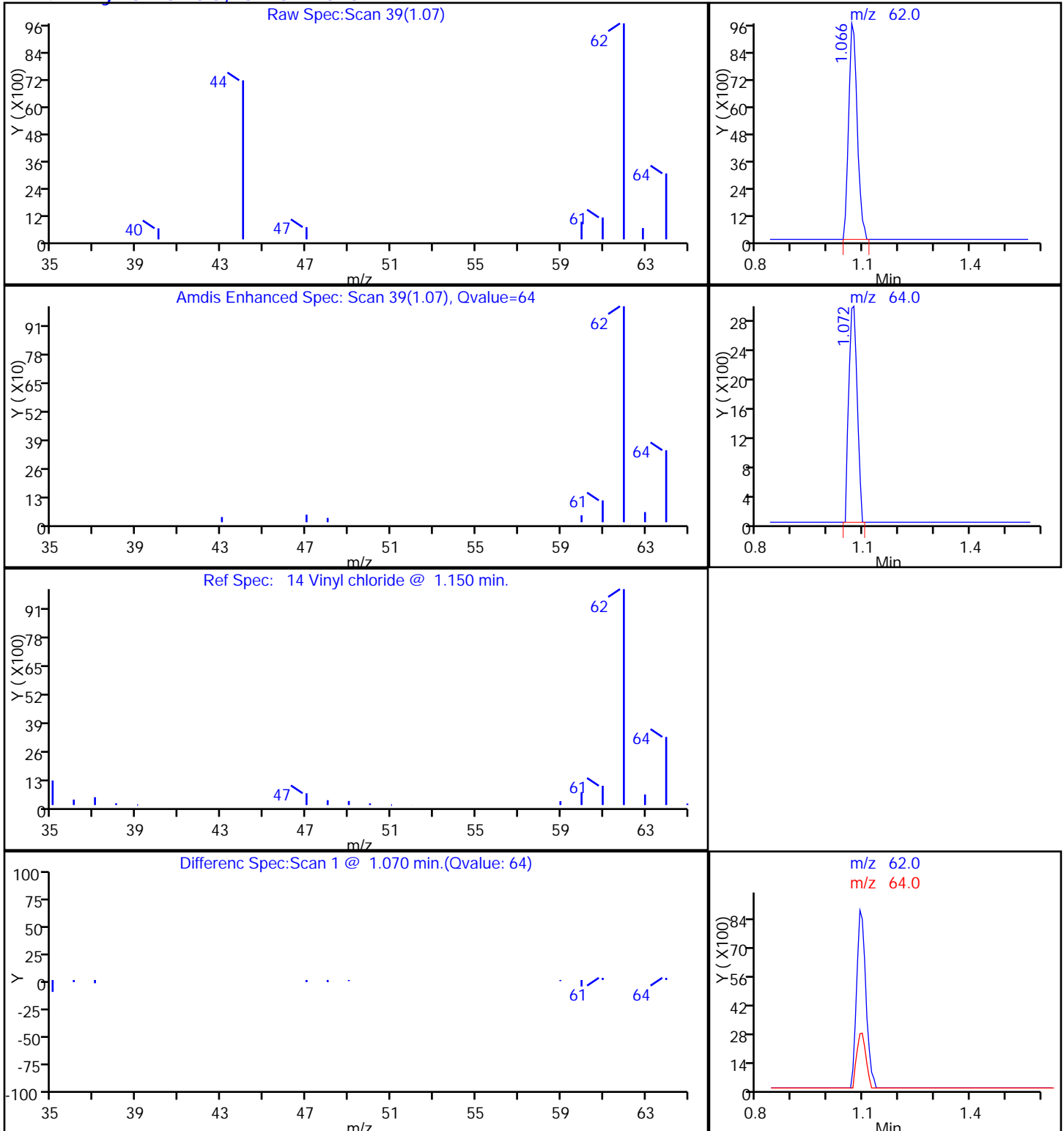
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4



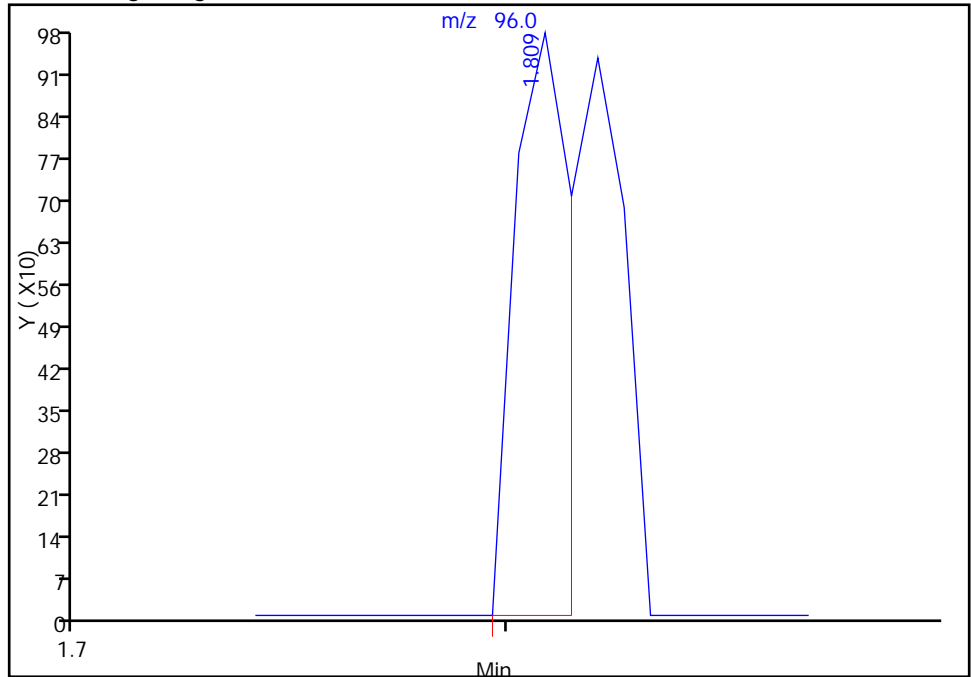
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2070.D
Injection Date: 21-Oct-2013 18:00:30 Instrument ID: HP5973N
Lims ID: 480-47807-A-10 Lab Sample ID:
Client ID: Duplicate
Operator ID: LH ALS Bottle#: 49 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1000.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector: MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

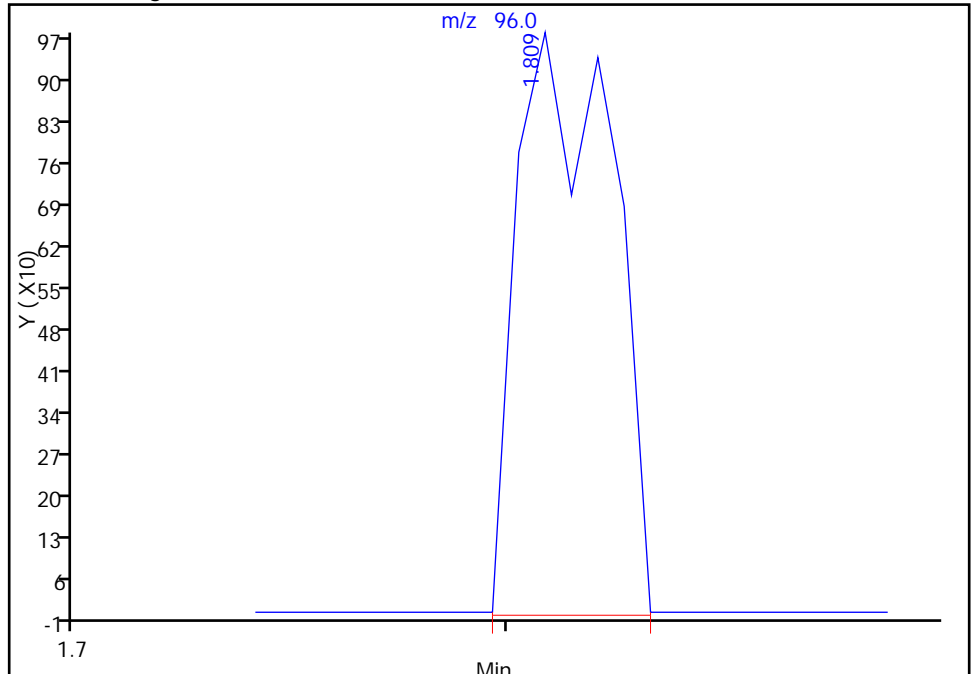
RT: 1.81
Response: 894
Amount: 0.202997

Processing Integration Results



RT: 1.81
Response: 1495
Amount: 0.339464

Manual Integration Results



Reviewer: larsonr, 21-Oct-2013 19:20:24
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: Duplicate DL Lab Sample ID: 480-47807-10 DL
 Matrix: Water Lab File ID: N2081.D
 Analysis Method: 8260C Date Collected: 10/10/2013 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 23:59
 Soil Aliquot Vol: _____ Dilution Factor: 2000
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 146447 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2000	1600
79-34-5	1,1,2,2-Tetrachloroethane	ND		2000	420
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	620
79-00-5	1,1,2-Trichloroethane	ND		2000	460
75-34-3	1,1-Dichloroethane	ND		2000	760
75-35-4	1,1-Dichloroethene	ND		2000	580
120-82-1	1,2,4-Trichlorobenzene	ND		2000	820
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2000	780
106-93-4	1,2-Dibromoethane	ND		2000	1500
95-50-1	1,2-Dichlorobenzene	ND		2000	1600
107-06-2	1,2-Dichloroethane	ND		2000	420
78-87-5	1,2-Dichloropropane	ND		2000	1400
541-73-1	1,3-Dichlorobenzene	ND		2000	1600
106-46-7	1,4-Dichlorobenzene	ND		2000	1700
78-93-3	2-Butanone (MEK)	ND		20000	2600
591-78-6	2-Hexanone	ND		10000	2500
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10000	4200
67-64-1	Acetone	ND		20000	6000
71-43-2	Benzene	ND		2000	820
75-27-4	Bromodichloromethane	ND		2000	780
75-25-2	Bromoform	ND		2000	520
74-83-9	Bromomethane	ND		2000	1400
75-15-0	Carbon disulfide	ND		2000	380
56-23-5	Carbon tetrachloride	ND		2000	540
108-90-7	Chlorobenzene	ND		2000	1500
75-00-3	Chloroethane	ND		2000	640
67-66-3	Chloroform	ND		2000	680
74-87-3	Chloromethane	ND		2000	700
156-59-2	cis-1,2-Dichloroethene	54000		2000	1600
10061-01-5	cis-1,3-Dichloropropene	ND		2000	720
110-82-7	Cyclohexane	ND		2000	360
124-48-1	Dibromochloromethane	ND		2000	640
75-71-8	Dichlorodifluoromethane	ND		2000	1400
100-41-4	Ethylbenzene	ND		2000	1500
98-82-8	Isopropylbenzene	ND		2000	1600

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: Duplicate DL Lab Sample ID: 480-47807-10 DL
 Matrix: Water Lab File ID: N2081.D
 Analysis Method: 8260C Date Collected: 10/10/2013 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 23:59
 Soil Aliquot Vol: _____ Dilution Factor: 2000
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 146447 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2000	1000
1634-04-4	Methyl tert-butyl ether	ND		2000	320
108-87-2	Methylcyclohexane	ND		2000	320
75-09-2	Methylene Chloride	ND		2000	880
100-42-5	Styrene	ND		2000	1500
127-18-4	Tetrachloroethene	ND		2000	720
108-88-3	Toluene	ND		2000	1000
156-60-5	trans-1,2-Dichloroethene	ND		2000	1800
10061-02-6	trans-1,3-Dichloropropene	ND		2000	740
79-01-6	Trichloroethene	97000		2000	920
75-69-4	Trichlorofluoromethane	ND		2000	1800
75-01-4	Vinyl chloride	2700		2000	1800
1330-20-7	Xylenes, Total	ND		4000	1300

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		66-137
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
2037-26-5	Toluene-d8 (Surr)	104		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2081.D
 Lims ID: 480-47807-B-10 Lab Sample ID:
 Client ID: Duplicate
 Sample Type: Client
 Inject. Date: 21-Oct-2013 23:59:30 ALS Bottle#: 1 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 2000.0000
 Sample Info: 480-47807-B-10
 Misc. Info.: 480-0026435-007
 Operator ID: RAL Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Oct-2013 06:33:51 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK036

First Level Reviewer: nguyendudziaknq

Date: 22-Oct-2013 14:23:30

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.436	4.437	-0.001	91	374049	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	317557	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	153558	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	85	173990	25.4	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	594982	25.9	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	164327	24.6	
11 Dichlorodifluoromethane	85		0.908					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62	1.066	1.066	0.0	53	7598	1.33	
15 Bromomethane	94		1.255					
16 Chloroethane	64		1.322					
18 Trichlorofluoromethane	101		1.450					
22 1,1-Dichloroethene	96	1.808	1.809	0.0	15	698	0.1582	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		1.827					
23 Acetone	43		1.906					
25 Carbon disulfide	76		1.955					
28 Methyl acetate	43		2.161					
30 Methylene Chloride	84	2.228	2.228	0.0	30	1253	0.1884	
33 trans-1,2-Dichloroethene	96		2.435					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.806					
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	68	185004	27.2	
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.621					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.847					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.114					
60 Trichloroethene	95	4.643	4.643	0.0	92	296280	48.7	
62 Methylcyclohexane	83		4.759					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		4.869					
67 Dichlorobromomethane	83		5.161					
71 cis-1,3-Dichloropropene	75		5.574					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.253					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.929					
93 Bromoform	173		8.148					
95 Isopropylbenzene	105		8.288					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.082					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.560					
S 126 Xylenes, Total	1		30.000					

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2081.D

Injection Date: 21-Oct-2013 23:59:30

Instrument ID: HP5973N

Operator ID: RAL

Lims ID: 480-47807-B-10

Lab Sample ID:

Worklist Smp#: 7

Client ID: Duplicate

Purge Vol: 5.000 mL

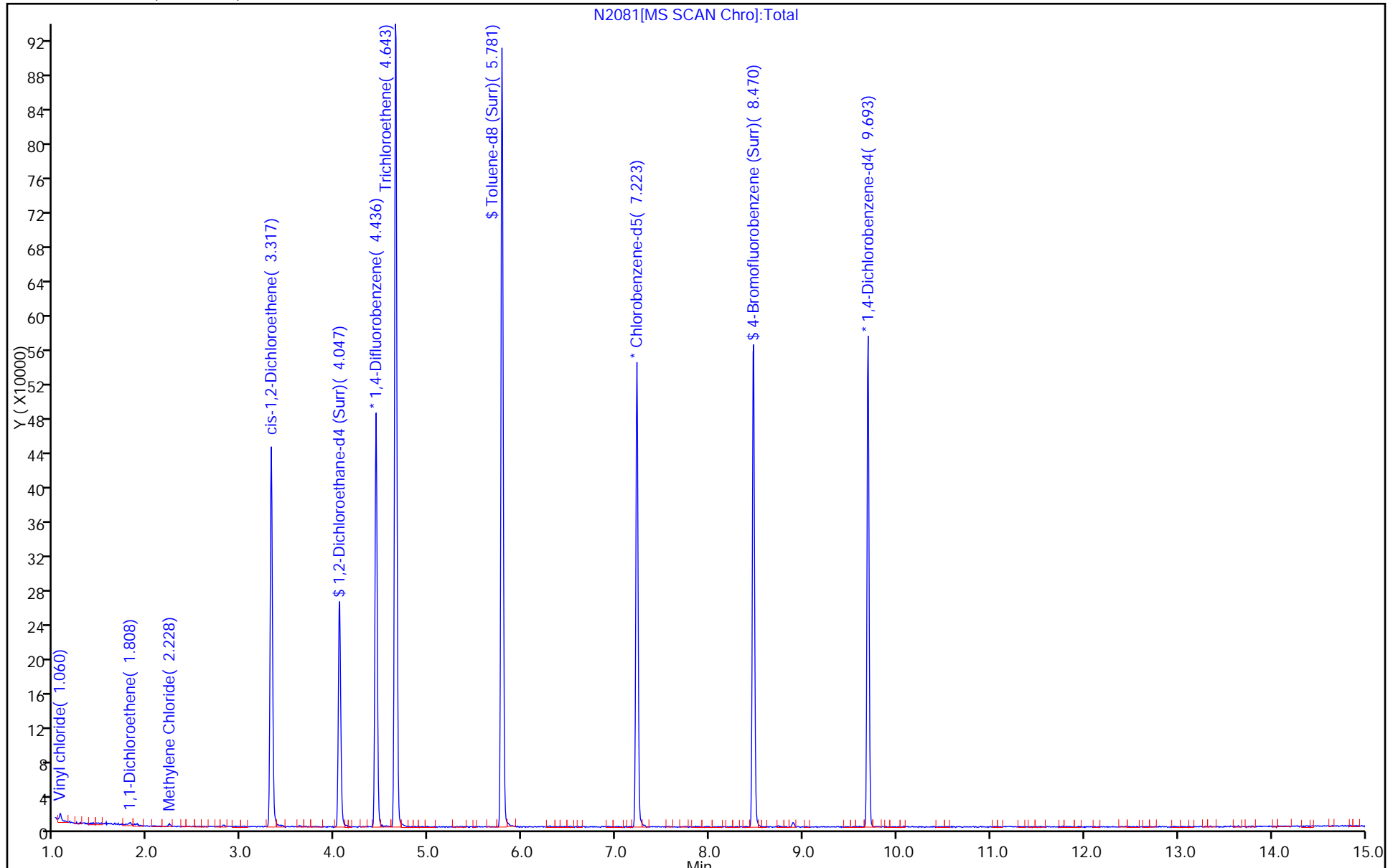
Dil. Factor: 2000.0000

ALS Bottle#: 1

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2081.D

Injection Date: 21-Oct-2013 23:59:30

Instrument ID: HP5973N

Lims ID: 480-47807-B-10

Lab Sample ID:

Client ID: Duplicate

Operator ID: RAL

ALS Bottle#: 1

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 2000.0000

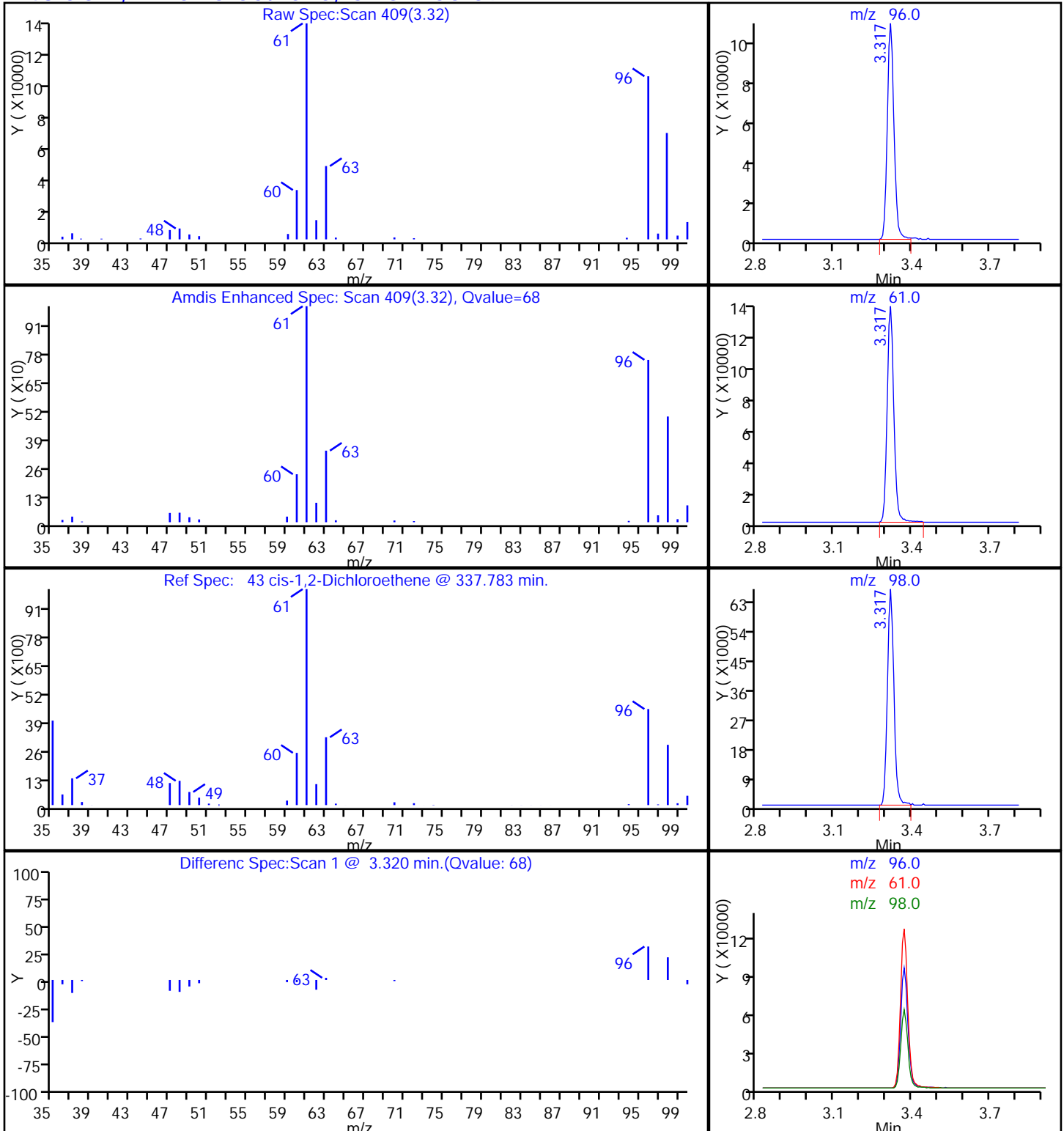
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

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



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2081.D

Injection Date: 21-Oct-2013 23:59:30

Instrument ID: HP5973N

Lims ID: 480-47807-B-10

Lab Sample ID:

Client ID: Duplicate

Operator ID: RAL

ALS Bottle#: 1

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 2000.0000

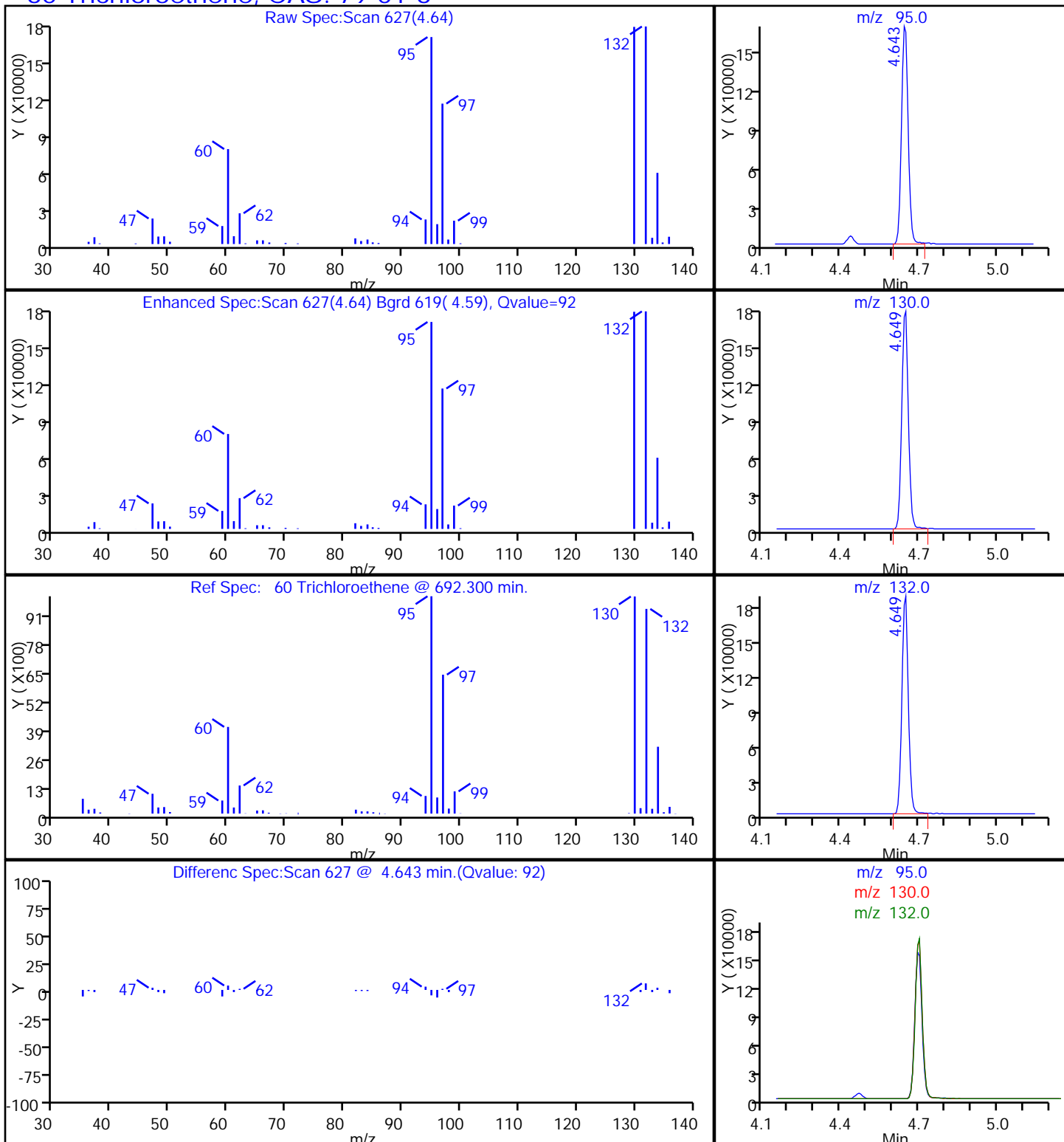
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

60 Trichloroethene, CAS: 79-01-6



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2081.D

Injection Date: 21-Oct-2013 23:59:30

Instrument ID: HP5973N

Lims ID: 480-47807-B-10

Lab Sample ID:

Client ID: Duplicate

Operator ID: RAL

ALS Bottle#: 1

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 2000.0000

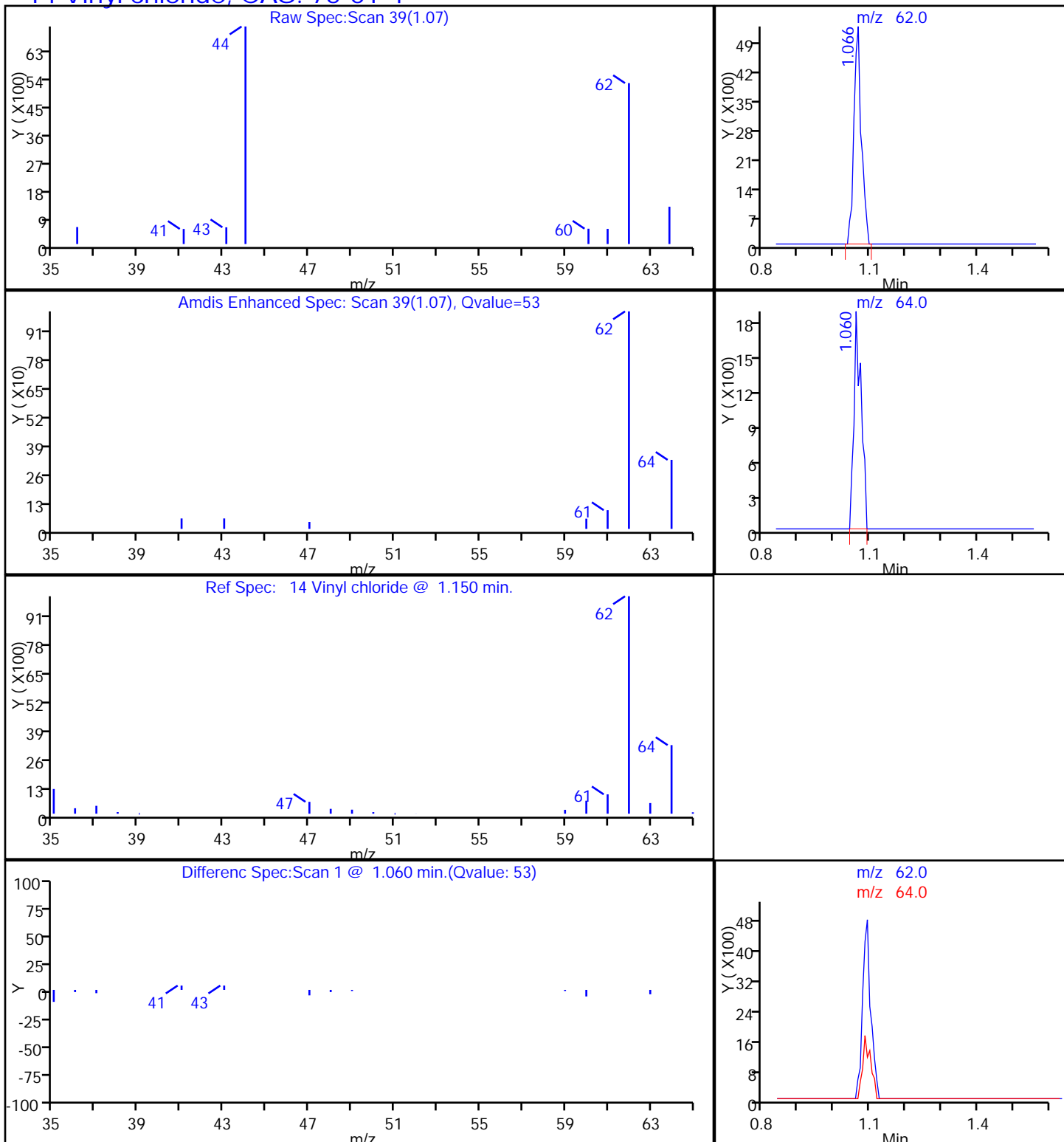
Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)

Detector: MS SCAN

14 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: Trip Blank Lab Sample ID: 480-47807-11
 Matrix: Water Lab File ID: N2071.D
 Analysis Method: 8260C Date Collected: 10/10/2013 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 18:24
 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.: 146247 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.: 480-47807-1
 SDG No.: _____
 Client Sample ID: Trip Blank Lab Sample ID: 480-47807-11
 Matrix: Water Lab File ID: N2071.D
 Analysis Method: 8260C Date Collected: 10/10/2013 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 18:24
 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.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		66-137
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
2037-26-5	Toluene-d8 (Surr)	101		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2071.D
 Lims ID: 480-47807-A-11 Lab Sample ID:
 Client ID: Trip Blank
 Sample Type: Client
 Inject. Date: 21-Oct-2013 18:24:30 ALS Bottle#: 50 Worklist Smp#: 22
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-47807-A-11
 Misc. Info.: 480-0026414-022
 Operator ID: LH Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 19:20:24 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK051

First Level Reviewer: larsonr

Date: 21-Oct-2013 19:20:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.436	0.001	91	358280	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	83	309341	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	148526	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	85	166118	25.3	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	562537	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	86	157097	24.1	
11 Dichlorodifluoromethane	85		0.902					
13 Chloromethane	50		0.999					
14 Vinyl chloride	62		1.066					
15 Bromomethane	94		1.249					
16 Chloroethane	64		1.316					
18 Trichlorofluoromethane	101		1.449					
22 1,1-Dichloroethene	96		1.808					
21 1,1,2-Trichloro-1,2,2-trifluoro	101		1.821					
23 Acetone	43		1.906					
25 Carbon disulfide	76		1.954					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
36 1,1-Dichloroethane	63		2.800					
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.114					
60 Trichloroethene	95		4.643					
62 Methylcyclohexane	83		4.759					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		4.868					
67 Dichlorobromomethane	83		5.160					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					
73 Toluene	92		5.842					
75 trans-1,3-Dichloropropene	75		6.134					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.687					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.253					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.928					
93 Bromoform	173		8.147					
95 Isopropylbenzene	105		8.287					
98 1,1,2,2-Tetrachloroethane	83		8.701					
110 1,3-Dichlorobenzene	146		9.614					
113 1,4-Dichlorobenzene	146		9.717					
116 1,2-Dichlorobenzene	146		10.082					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
119 1,2,4-Trichlorobenzene	180		11.560					
S 126 Xylenes, Total	1		30.000					

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2071.D

Injection Date: 21-Oct-2013 18:24:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-47807-A-11

Lab Sample ID:

Worklist Smp#: 22

Client ID: Trip Blank

Purge Vol: 5.000 mL

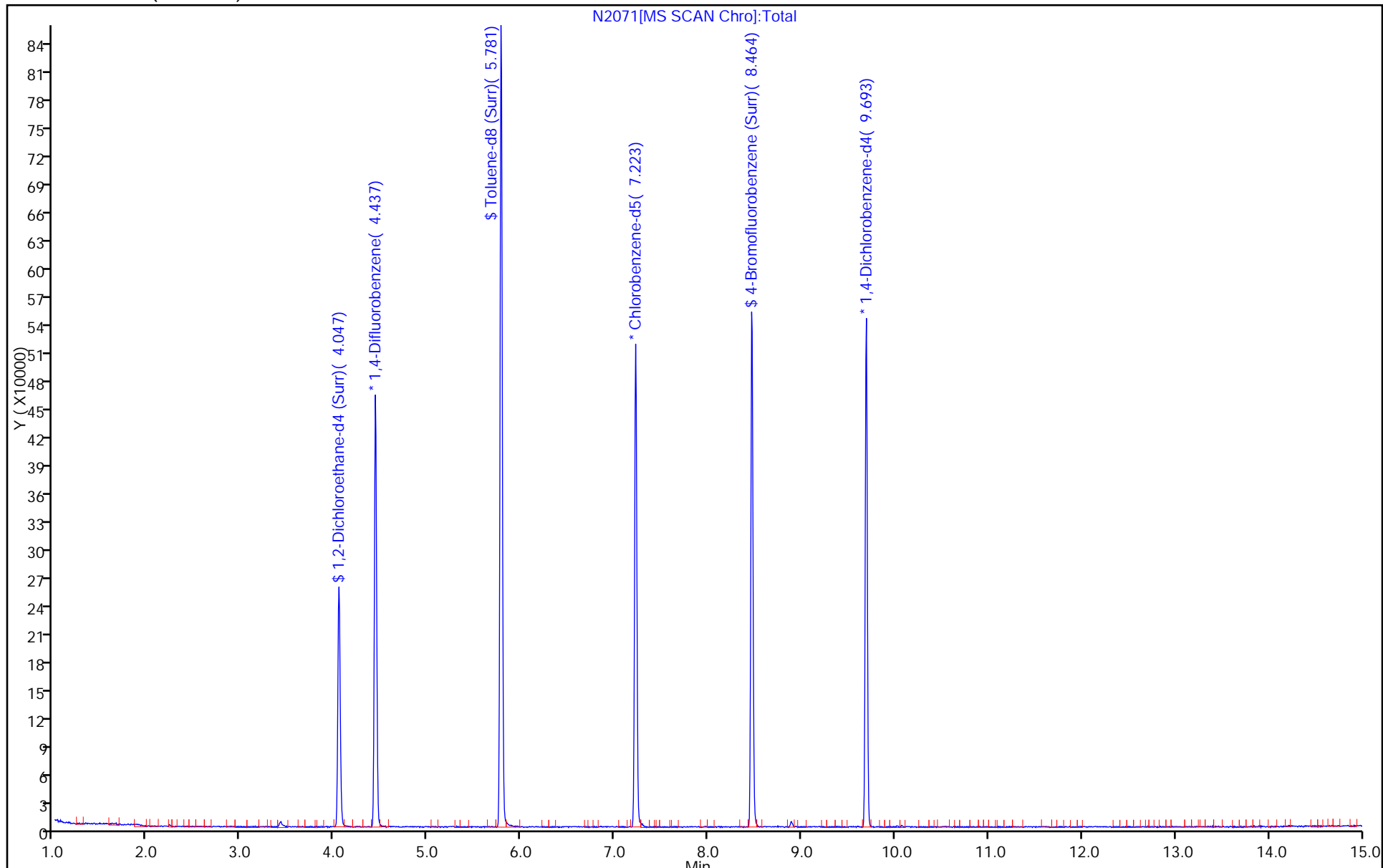
Dil. Factor: 1.0000

ALS Bottle#: 50

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1 Analy Batch No.: 143841

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/09/2013 23:33 Calibration End Date: 10/10/2013 01:48 Calibration ID: 15787

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-143841/4	N1546.D
Level 2	IC 480-143841/5	N1547.D
Level 3	IC 480-143841/6	N1548.D
Level 4	ICIS 480-143841/7	N1549.D
Level 5	IC 480-143841/8	N1550.D
Level 6	IC 480-143841/9	N1551.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 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3438 0.2678	0.2763	0.2624	0.2747	0.2631	Ave		0.2814			0.1000	11.0		15.0			
Chloromethane	0.3898 0.3071	0.3343	0.3240	0.3405	0.3230	Ave		0.3365			0.1000	8.5		15.0			
Vinyl chloride	0.3660 0.2935	0.2970	0.2926	0.2993	0.2910	Ave		0.3066			0.1000	9.6		30.0			
Bromomethane	0.1667 0.1369	0.1256	0.1250	0.1264	0.1290	Ave		0.1349			0.1000	12.0		15.0			
Chloroethane	0.1012 0.1554	0.1304	0.1259	0.1508	0.1456	Ave		0.1349			0.1000	15.0		15.0			
Trichlorofluoromethane	0.2200 0.3266	0.2365	0.2585	0.2962	0.2961	Ave		0.2723			0.1000	15.0		15.0			
Acrolein	0.0216 0.0223	0.0204	0.0210	0.0219	0.0218	Ave		0.0215				3.2		15.0			
1,1-Dichloroethene	0.2731 0.2314	0.2339	0.2239	0.2309	0.2225	Ave		0.2359			0.1000	7.9		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2045 0.2303	0.2035	0.2192	0.2265	0.2301	Ave		0.2190			0.1000	5.6		15.0			
Acetone	0.1249 0.0980	0.0934	0.0950	0.0935	0.0972	Ave		0.1003			0.1000	12.0		15.0			
Iodomethane	0.3491 0.3694	0.3250	0.3475	0.3490	0.3606	Ave		0.3501				4.3		15.0			
Carbon disulfide	0.8834 0.9287	0.8599	0.9058	0.9017	0.9217	Ave		0.9002			0.1000	2.8		15.0			
Acetonitrile	0.0263 0.0202	0.0208	0.0211	0.0203	0.0202	Ave		0.0215				11.0		15.0			
Methyl acetate	0.5790 0.3789	0.4034	0.4120	0.3869	0.3794	Lin1	0.2020	0.3771			0.1000			1.0000		0.9900	
Methylene Chloride	0.4335 0.3300	0.3564	0.3325	0.3466	0.3346	Ave		0.3556			0.1000	11.0		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1 Analy Batch No.: 143841

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/09/2013 23:33 Calibration End Date: 10/10/2013 01:48 Calibration ID: 15787

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 3	LVL 4	LVL 5		B	M1	M2								
trans-1,2-Dichloroethene	0.3579 0.3181	0.3149	0.3158	0.3292	0.3210	Ave		0.3262			0.1000	5.0		15.0			
Methyl tert-butyl ether	1.2080 1.0930	1.0919	1.1675	1.1541	1.1346	Ave		1.1415			0.1000	3.9		15.0			
Acrylonitrile	0.1436 0.1330	0.1288	0.1426	0.1378	0.1335	Ave		0.1365				4.3		15.0			
1,1-Dichloroethane	0.6545 0.5995	0.5998	0.5976	0.6172	0.6086	Ave		0.6129			0.2000	3.5		15.0			
Vinyl acetate	0.7242 0.4625	0.6515	0.6735	0.6413	0.5727	Ave		0.6210				15.0		15.0			
2,2-Dichloropropane	0.4136 0.3692	0.3458	0.3515	0.3621	0.3549	Ave		0.3662				6.7		15.0			
cis-1,2-Dichloroethene	0.4187 0.3500	0.3530	0.3450	0.3630	0.3522	Ave		0.3637			0.1000	7.6		15.0			
2-Butanone (MEK)	0.1924 0.1662	0.1624	0.1754	0.1703	0.1679	Ave		0.1724			0.1000	6.2		15.0			
Chlorobromomethane	0.1867 0.1809	0.1670	0.1753	0.1788	0.1804	Ave		0.1782				3.7		15.0			
Tetrahydrofuran	0.1724 0.1188	0.1213	0.1272	0.1229	0.1200	Lin1	0.2537	0.1189							1.0000		0.9900
Chloroform	0.6449 0.5371	0.5469	0.5377	0.5619	0.5447	Ave		0.5622			0.2000	7.4		30.0			
1,1,1-Trichloroethane	0.4880 0.4478	0.4187	0.4257	0.4475	0.4418	Ave		0.4449			0.1000	5.4		15.0			
Cyclohexane	0.7265 0.5768	0.5686	0.6060	0.6002	0.5834	Ave		0.6103			0.1000	9.6		15.0			
Carbon tetrachloride	0.3965 0.4101	0.3634	0.3715	0.4062	0.4069	Ave		0.3924			0.1000	5.1		15.0			
1,1-Dichloropropene	0.5450 0.4691	0.4768	0.4587	0.4788	0.4682	Ave		0.4828				6.5		15.0			
Benzene	1.5391 1.2371	1.3604	1.3498	1.3876	1.3220	Ave		1.3660			0.5000	7.3		15.0			
1,2-Dichloroethane	0.4953 0.4496	0.4088	0.4326	0.4553	0.4528	Ave		0.4490			0.1000	6.4		15.0			
Trichloroethene	0.3526 0.3230	0.3121	0.3141	0.3283	0.3202	Ave		0.3250			0.2000	4.5		15.0			
Methylcyclohexane	0.6276 0.6059	0.5672	0.6328	0.6202	0.6108	Ave		0.6108			0.1000	3.9		15.0			
1,2-Dichloropropane	0.4101 0.3541	0.3437	0.3489	0.3649	0.3541	Ave		0.3626			0.1000	6.7		30.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1 Analy Batch No.: 143841

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/09/2013 23:33 Calibration End Date: 10/10/2013 01:48 Calibration ID: 15787

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 3	LVL 4	LVL 5		B	M1	M2								
Dibromomethane	0.2046 0.2049	0.1885	0.1976	0.2068	0.2029	Ave		0.2009			0.1000	3.4	15.0				
Bromodichloromethane	0.4478 0.4313	0.3779	0.3830	0.4206	0.4259	Ave		0.4144			0.2000	6.7	15.0				
2-Chloroethyl vinyl ether	0.2533 0.2170	0.2368	0.2521	0.2477	0.2389	Ave		0.2410				5.6	15.0				
cis-1,3-Dichloropropene	0.5814 0.5736	0.5295	0.5556	0.6014	0.5819	Ave		0.5706			0.2000	4.4	15.0				
4-Methyl-2-pentanone (MIBK)	0.5401 0.3514	0.4344	0.4484	0.4264	0.3974	Ave		0.4330			0.1000	14.0	15.0				
Toluene	1.2316 0.9527	1.0556	0.9802	1.0272	0.9881	Ave		1.0392			0.4000	9.7	30.0				
trans-1,3-Dichloropropene	0.5705 0.6407	0.5805	0.5888	0.6364	0.6340	Ave		0.6085			0.1000	5.2	15.0				
Ethyl methacrylate	0.6661 0.5885	0.5615	0.6246	0.6066	0.5930	Ave		0.6067				5.9	15.0				
1,1,2-Trichloroethane	0.3307 0.2937	0.2813	0.2851	0.2981	0.2951	Ave		0.2973			0.1000	5.9	15.0				
Tetrachloroethene	0.4452 0.4016	0.4123	0.3937	0.4119	0.4033	Ave		0.4113			0.2000	4.4	15.0				
1,3-Dichloropropane	0.7151 0.6409	0.6483	0.6335	0.6694	0.6516	Ave		0.6598				4.5	15.0				
2-Hexanone	0.3309 0.2675	0.3083	0.3222	0.3103	0.2897	Ave		0.3048			0.1000	7.5	15.0				
Dibromochloromethane	0.3058 0.3963	0.3126	0.3295	0.3794	0.3808	Ave		0.3507			0.1000	11.0	15.0				
1,2-Dibromoethane	0.3694 0.3729	0.3475	0.3606	0.3758	0.3734	Ave		0.3666				2.9	15.0				
Chlorobenzene	1.2332 1.0257	1.1100	1.0911	1.1463	1.0823	Ave		1.1148			0.5000	6.3	15.0				
1,1,1,2-Tetrachloroethane	0.3680 0.3582	0.3638	0.3467	0.3648	0.3640	Ave		0.3609				2.1	15.0				
Ethylbenzene	2.1850 1.5377	1.9047	1.8156	1.8480	1.7128	Ave		1.8340			0.1000	12.0	30.0				
m,p-Xylene	0.8778 0.6508	0.7604	0.7486	0.7478	0.7009	Ave		0.7477			0.1000	10.0	15.0				
o-Xylene	0.8178 0.7000	0.7490	0.7383	0.7669	0.7300	Ave		0.7503			0.3000	5.3	15.0				
Styrene	1.3850 1.1168	1.2640	1.2449	1.2749	1.1931	Ave		1.2464			0.3000	7.2	15.0				

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1 Analy Batch No.: 143841

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/09/2013 23:33 Calibration End Date: 10/10/2013 01:48 Calibration ID: 15787

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 3	LVL 4	LVL 5		B	M1	M2								
Bromoform	0.1709 0.2499	0.1776	0.1867	0.2239	0.2359	Lin1	-0.151	0.2419			0.1000			0.9960		0.9900	
Isopropylbenzene	4.3270 3.4607	3.7396	3.8030	3.8466	3.6548	Ave		3.8053			0.1000	7.6	15.0				
Bromobenzene	0.9929 0.9688	0.8498	0.9017	0.9429	0.9495	Ave		0.9343				5.5	15.0				
1,1,2,2-Tetrachloroethane	1.0553 1.0023	0.9068	0.9611	1.0069	1.0069	Ave		0.9899			0.3000	5.1	15.0				
1,2,3-Trichloropropane	0.3389 0.3087	0.2773	0.2823	0.2889	0.3028	Ave		0.2998				7.5	15.0				
N-Propylbenzene	4.8022 3.8028	4.2891	4.2824	4.3003	4.0790	Ave		4.2593				7.7	15.0				
trans-1,4-Dichloro-2-butene	0.1943 0.2445	0.2015	0.2273	0.2341	0.2414	Ave		0.2238				9.4	15.0				
2-Chlorotoluene	1.0203 0.9017	0.8537	0.8888	0.9013	0.8893	Ave		0.9092				6.3	15.0				
1,3,5-Trimethylbenzene	3.4527 2.7789	3.1333	3.1083	3.1771	3.0040	Ave		3.1090				7.1	15.0				
4-Chlorotoluene	3.4487 2.7226	2.8850	2.9128	2.9608	2.8651	Ave		2.9658				8.4	15.0				
tert-Butylbenzene	0.7772 0.6647	0.6653	0.6657	0.7074	0.6803	Ave		0.6934				6.4	15.0				
1,2,4-Trimethylbenzene	3.4102 2.7204	2.9669	3.0818	3.1097	2.9668	Ave		3.0427				7.4	15.0				
sec-Butylbenzene	4.3550 3.3073	3.9159	3.9513	3.9337	3.6433	Ave		3.8511				9.1	15.0				
1,3-Dichlorobenzene	1.9848 1.7072	1.6816	1.7311	1.8175	1.7654	Ave		1.7812			0.6000	6.2	15.0				
4-Isopropyltoluene	3.5949 2.8413	3.2679	3.3196	3.3256	3.0972	Ave		3.2411				7.8	15.0				
1,4-Dichlorobenzene	2.0000 1.6805	1.6985	1.7323	1.7964	1.7502	Ave		1.7763			0.5000	6.6	15.0				
n-Butylbenzene	3.1629 2.3946	2.6942	2.7706	2.8289	2.6284	Ave		2.7466				9.2	15.0				
1,2-Dichlorobenzene	1.7468 1.4687	1.5610	1.5959	1.6916	1.6130	Ave		1.6128			0.4000	6.1	15.0				
1,2-Dibromo-3-Chloropropane	0.1069 0.1525	0.1265	0.1427	0.1652	0.1549	Ave		0.1415			0.0500	15.0	15.0				
1,2,4-Trichlorobenzene	1.0080 0.8132	0.9354	0.9763	1.0032	0.9048	Ave		0.9402			0.2000	7.9	15.0				

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1 Analy Batch No.: 143841
 SDG No.: _____
 Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
 Calibration Start Date: 10/09/2013 23:33 Calibration End Date: 10/10/2013 01:48 Calibration ID: 15787

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 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.5318 0.3717	0.4762	0.4735	0.4471	0.4073	Ave		0.4513			12.0		15.0				
Naphthalene	2.7332 2.0207	2.5234	2.6233	2.6291	2.2738	Ave		2.4673			11.0		15.0				
1,2,3-Trichlorobenzene	0.9544 0.6869	0.8458	0.8579	0.8632	0.7546	Ave		0.8271			11.0		15.0				
1,2-Dichloroethane-d4 (Surr)	0.3731 0.3608	0.3700	0.3704	0.3625	0.3606	Ave		0.3662			1.5		15.0				
Toluene-d8 (Surr)	1.4701 1.4415	1.4676	1.4496	1.4249	1.4259	Ave		1.4466			1.4		15.0				
4-Bromofluorobenzene (Surr)	0.4265 0.4121	0.4250	0.4230	0.4164	0.4217	Ave		0.4208			1.3		15.0				

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1 Analy Batch No.: 143841

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/09/2013 23:33 Calibration End Date: 10/10/2013 01:48 Calibration ID: 15787

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-143841/4	N1546.D
Level 2	IC 480-143841/5	N1547.D
Level 3	IC 480-143841/6	N1548.D
Level 4	ICIS 480-143841/7	N1549.D
Level 5	IC 480-143841/8	N1550.D
Level 6	IC 480-143841/9	N1551.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	DFB	Ave	6444 492787	25985	49149	125947	242100	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	DFB	Ave	7306 565132	31435	60681	156104	297190	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	DFB	Ave	6861 540026	27924	54803	137204	267692	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	DFB	Ave	3125 251941	11813	23412	57927	118662	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	DFB	Ave	1896 285943	12258	23588	69124	134001	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	DFB	Ave	4124 600948	22240	48413	135796	272409	1.00 100	5.00	10.0	25.0	50.0
Acrolein	DFB	Ave	8089 822227	38310	78686	200361	400612	20.0 2000	100	200	500	1000
1,1-Dichloroethene	DFB	Ave	5119 425734	21994	41933	105830	204697	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Ave	3833 423806	19132	41053	103853	211672	1.00 100	5.00	10.0	25.0	50.0
Acetone	DFB	Ave	11708 901736	43904	89014	214344	446908	5.00 500	25.0	50.0	125	250
Iodomethane	DFB	Ave	6544 679693	30560	65080	159997	331790	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	DFB	Ave	16559 1708761	80859	169657	413355	848010	1.00 100	5.00	10.0	25.0	50.0
Acetonitrile	DFB	Ave	19705 1486656	78366	158284	372128	744214	40.0 4000	200	400	1000	2000
Methyl acetate	DFB	Lin1	10852 697133	37934	77171	177359	349037	1.00 100	5.00	10.0	25.0	50.0
Methylene Chloride	DFB	Ave	8125 607241	33512	62272	158890	307840	1.00 100	5.00	10.0	25.0	50.0
trans-1,2-Dichloroethene	DFB	Ave	6709 585325	29611	59144	150928	295367	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1 Analy Batch No.: 143841
 SDG No.: _____
 Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
 Calibration Start Date: 10/09/2013 23:33 Calibration End Date: 10/10/2013 01:48 Calibration ID: 15787

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methyl tert-butyl ether	DFB	Ave	22643 2011147	102677	218668	529069	1043890	1.00 100	5.00	10.0	25.0	50.0
Acrylonitrile	DFB	Ave	13454 1223221	60546	133545	315789	614030	5.00 500	25.0	50.0	125	250
1,1-Dichloroethane	DFB	Ave	12267 1103169	56403	111923	282937	559918	1.00 100	5.00	10.0	25.0	50.0
Vinyl acetate	DFB	Ave	67868 4255278	306319	630747	1469861	2634703	5.00 500	25.0	50.0	125	250
2,2-Dichloropropane	DFB	Ave	7753 679397	32514	65839	166002	326552	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	7848 644072	33195	64625	166400	324033	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	DFB	Ave	18036 1529282	76334	164249	390376	772216	5.00 500	25.0	50.0	125	250
Chlorobromomethane	DFB	Ave	3499 332858	15706	32837	81955	165968	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	DFB	Lin1	16155 1093296	57042	119170	281733	551814	5.00 500	25.0	50.0	125	250
Chloroform	DFB	Ave	12088 988216	51427	100714	257596	501103	1.00 100	5.00	10.0	25.0	50.0
1,1,1-Trichloroethane	DFB	Ave	9147 823913	39377	79731	205150	406504	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	DFB	Ave	13618 1061357	53472	113512	275142	536780	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	DFB	Ave	7431 754564	34174	69585	186207	374320	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	DFB	Ave	10215 863215	44832	85915	219492	430767	1.00 100	5.00	10.0	25.0	50.0
Benzene	DFB	Ave	28848 2276344	127922	252811	636103	1216329	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane	DFB	Ave	9283 827191	38437	81035	208707	416567	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	DFB	Ave	6609 594404	29348	58822	150502	294556	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	DFB	Ave	11764 1114923	53340	118521	284335	561948	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	DFB	Ave	7686 651612	32324	65358	167294	325773	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	DFB	Ave	3835 377105	17728	37003	94824	186663	1.00 100	5.00	10.0	25.0	50.0
Bromodichloromethane	DFB	Ave	8394 793526	35540	71737	192811	391830	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1 Analy Batch No.: 143841

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/09/2013 23:33 Calibration End Date: 10/10/2013 01:48 Calibration ID: 15787

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Chloroethyl vinyl ether	DFB	Ave	23739 1996658	111338	236110	567755	1099135	5.00 500	25.0	50.0	125	250
cis-1,3-Dichloropropene	DFB	Ave	10897 1055519	49788	104060	275692	535352	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	43609 2738180	172222	359905	834884	1565078	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	19888 1484890	83701	157357	402273	778369	1.00 100	5.00	10.0	25.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	9212 998536	46031	94525	249230	499394	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	Ave	10757 917182	44525	100263	237576	467151	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	5341 457737	22303	45764	116759	232461	1.00 100	5.00	10.0	25.0	50.0
Tetrachloroethene	CBZ	Ave	7190 626008	32691	63200	161301	317720	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	11548 998835	51410	101695	262153	513304	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	26718 2084343	122217	258627	607536	1141173	5.00 500	25.0	50.0	125	250
Dibromochloromethane	CBZ	Ave	4938 617695	24791	52897	148576	299993	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromoethane	CBZ	Ave	5965 581125	27556	57891	147177	294155	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	19914 1598693	88021	175165	448928	852594	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	5943 558321	28850	55665	142850	286726	1.00 100	5.00	10.0	25.0	50.0
Ethylbenzene	CBZ	Ave	35285 2396702	151029	291461	723729	1349260	1.00 100	5.00	10.0	25.0	50.0
m,p-Xylene	CBZ	Ave	28352 2028683	120593	240366	585687	1104288	2.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	13206 1090959	59389	118529	300352	575077	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	22365 1740691	100232	199846	499273	939840	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	Lin1	2760 389464	14082	29964	87687	185794	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	34987 2437324	151251	300631	738664	1366173	1.00 100	5.00	10.0	25.0	50.0
Bromobenzene	DCB	Ave	8028 682318	34371	71280	181074	354918	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1 Analy Batch No.: 143841

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/09/2013 23:33 Calibration End Date: 10/10/2013 01:48 Calibration ID: 15787

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1,2,2-Tetrachloroethane	DCB	Ave	8533 705932	36674	75978	193366	376382	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichloropropane	DCB	Ave	2740 217381	11216	22316	55487	113183	1.00 100	5.00	10.0	25.0	50.0
N-Propylbenzene	DCB	Ave	38829 2678223	173474	338527	825806	1524714	1.00 100	5.00	10.0	25.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	7856 860893	40741	89825	224777	451204	5.00 500	25.0	50.0	125	250
2-Chlorotoluene	DCB	Ave	8250 635077	34528	70263	173075	332420	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	27917 1957148	126728	245711	610102	1122886	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	27885 1917490	116685	230260	568570	1070958	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	6284 468149	26910	52622	135839	254290	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	27574 1915930	119999	243620	597170	1108984	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	35213 2329236	158381	312351	755399	1361848	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	16048 1202370	68012	136840	349014	659900	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	29067 2001051	132173	262417	638625	1157717	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	16171 1183552	68695	136939	344959	654237	1.00 100	5.00	10.0	25.0	50.0
n-Butylbenzene	DCB	Ave	25574 1686495	108966	219012	543243	982512	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	14124 1034350	63135	126155	324836	602946	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	864 107410	5116	11278	31732	57917	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	8150 572752	37834	77175	192650	338203	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DCB	Ave	4300 261763	19259	37430	85866	152260	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DCB	Ave	22100 1423141	102060	207371	504873	849949	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	7717 483782	34210	67815	165768	282078	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	174851 165981	173950	173462	166198	165865	25.0 25.0	25.0	25.0	25.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1 Analy Batch No.: 143841

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/09/2013 23:33 Calibration End Date: 10/10/2013 01:48 Calibration ID: 15787

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)					
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	
Toluene-d8 (Surr)	CBZ	Ave	593513 561663	581847	581776	558046	561600	25.0 25.0	25.0	25.0	25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	172166 160566	168509	169780	163078	166110	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: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1546.D
 Lims ID: IC Lab Sample ID:
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 09-Oct-2013 23:33:30 ALS Bottle#: 16 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0026052-004
 Operator ID: RAL Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub7
 Method: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Oct-2013 17:21:12 Calib Date: 10-Oct-2013 01:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1551.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK008

First Level Reviewer: larsonr

Date: 10-Oct-2013 17:00:38

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	374875	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	84	322971	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	161713	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	87	174851	25.5	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	80	593513	25.4	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	172166	25.3	
11 Dichlorodifluoromethane	85	0.902	0.902	0.0	40	6444	1.22	
13 Chloromethane	50	0.987	0.987	0.0	74	7306	1.16	
14 Vinyl chloride	62	1.060	1.066	-0.006	48	6861	1.19	
15 Bromomethane	94	1.243	1.243	0.0	68	3125	1.24	
16 Chloroethane	64	1.304	1.310	-0.006	40	1896	0.7500	
18 Trichlorofluoromethane	101	1.437	1.480	-0.043	15	4124	0.8080	
20 Acrolein	56	1.778	1.778	0.0	83	8089	20.1	
22 1,1-Dichloroethene	96	1.809	1.808	0.001	71	5119	1.16	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.821	1.821	0.0	22	3833	0.9337	
23 Acetone	43	1.906	1.906	0.0	79	11708	6.23	
24 Iodomethane	142	1.924	1.924	0.0	70	6544	1.00	
25 Carbon disulfide	76	1.948	1.954	-0.006	78	16559	0.9814	
28 Methyl acetate	43	2.168	2.155	0.013	38	10852	1.00	
29 Acetonitrile	40	2.161	2.155	0.006	98	19705	48.9	
30 Methylene Chloride	84	2.228	2.228	0.0	75	8125	1.22	
33 trans-1,2-Dichloroethene	96	2.429	2.429	0.0	77	6709	1.10	
32 Methyl tert-butyl ether	73	2.441	2.435	0.006	81	22643	1.06	
34 Acrylonitrile	53	2.484	2.478	0.006	87	13454	5.26	
36 1,1-Dichloroethane	63	2.806	2.800	0.006	46	12267	1.07	
39 Vinyl acetate	43	2.873	2.867	0.006	95	67868	5.83	
42 2,2-Dichloropropane	77	3.275	3.281	-0.006	32	7753	1.13	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	27	7848	1.15	
44 2-Butanone (MEK)	43	3.384	3.366	0.018	87	18036	5.58	
47 Chlorobromomethane	128	3.530	3.530	0.0	66	3499	1.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.591	3.560	0.031	80	16155	5.12	
50 Chloroform	83	3.615	3.615	0.0	67	12088	1.15	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	45	9147	1.10	
52 Cyclohexane	56	3.719	3.719	0.0	72	13618	1.19	
53 Carbon tetrachloride	117	3.847	3.840	0.007	64	7431	1.01	
54 1,1-Dichloropropene	75	3.859	3.859	0.0	66	10215	1.13	
55 Benzene	78	4.047	4.047	0.0	32	28848	1.13	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	66	9283	1.10	
60 Trichloroethene	95	4.650	4.643	0.007	70	6609	1.08	
62 Methylcyclohexane	83	4.759	4.759	0.0	72	11764	1.03	
63 1,2-Dichloropropane	63	4.869	4.868	0.001	67	7686	1.13	
64 Dibromomethane	93	5.002	4.996	0.006	74	3835	1.02	
67 Dichlorobromomethane	83	5.161	5.160	0.001	51	8394	1.08	
69 2-Chloroethyl vinyl ether	63	5.459	5.459	0.0	83	23739	5.26	
71 cis-1,3-Dichloropropene	75	5.574	5.568	0.006	54	10897	1.02	
72 4-Methyl-2-pentanone (MIBK)	43	5.739	5.732	0.007	91	43609	6.24	
73 Toluene	92	5.848	5.842	0.006	84	19888	1.19	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	53	9212	0.9375	
77 Ethyl methacrylate	69	6.219	6.219	0.0	68	10757	1.10	
78 1,1,2-Trichloroethane	83	6.304	6.310	-0.006	29	5341	1.11	
79 Tetrachloroethene	166	6.365	6.359	0.006	75	7190	1.08	
80 1,3-Dichloropropane	76	6.456	6.462	-0.006	59	11548	1.08	
82 2-Hexanone	43	6.572	6.560	0.012	86	26718	5.43	
83 Chlorodibromomethane	129	6.694	6.687	0.007	27	4938	0.8718	
84 Ethylene Dibromide	107	6.773	6.767	0.006	43	5965	1.01	
85 Chlorobenzene	112	7.247	7.253	-0.006	74	19914	1.11	
89 1,1,1,2-Tetrachloroethane	131	7.363	7.357	0.006	14	5943	1.02	
88 Ethylbenzene	91	7.357	7.357	0.0	85	35285	1.19	
90 m-Xylene & p-Xylene	106	7.485	7.484	0.001	98	28352	2.35	
91 o-Xylene	106	7.898	7.892	0.006	82	13206	1.09	
92 Styrene	104	7.929	7.928	0.001	75	22365	1.11	
93 Bromoform	173	8.148	8.148	0.0	26	2760	1.33	
95 Isopropylbenzene	105	8.288	8.287	0.001	73	34987	1.14	
97 Bromobenzene	156	8.604	8.604	0.0	72	8028	1.06	
98 1,1,2,2-Tetrachloroethane	83	8.707	8.701	0.006	39	8533	1.07	
99 1,2,3-Trichloropropane	110	8.720	8.719	0.001	25	2740	1.13	
100 N-Propylbenzene	91	8.726	8.725	0.001	87	38829	1.13	
101 trans-1,4-Dichloro-2-butene	53	8.750	8.750	0.0	66	7856	4.34	
102 2-Chlorotoluene	126	8.805	8.811	-0.006	82	8250	1.12	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	82	27917	1.11	
105 4-Chlorotoluene	91	8.932	8.932	0.0	82	27885	1.16	
106 tert-Butylbenzene	134	9.261	9.261	0.0	71	6284	1.12	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	68	27574	1.12	
109 sec-Butylbenzene	105	9.498	9.498	0.0	62	35213	1.13	
110 1,3-Dichlorobenzene	146	9.614	9.614	0.0	75	16048	1.11	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	80	29067	1.11	
113 1,4-Dichlorobenzene	146	9.711	9.717	-0.006	63	16171	1.13	
115 n-Butylbenzene	91	10.076	10.076	0.0	87	25574	1.15	
116 1,2-Dichlorobenzene	146	10.088	10.088	0.0	78	14124	1.08	
117 1,2-Dibromo-3-Chloropropane	75	10.855	10.861	-0.006	1	864	0.7554	
119 1,2,4-Trichlorobenzene	180	11.561	11.560	0.001	49	8150	1.07	
120 Hexachlorobutadiene	225	11.700	11.694	0.006	34	4300	1.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.767	11.767	0.0	74	22100	1.11	
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	47	7717	1.15	
S 125 Total BTEX	1				0		6.94	
S 126 Xylenes, Total	1				0		3.44	
S 123 1,3-Dichloropropene, Total	1				0		1.96	
S 124 1,2-Dichloroethene, Total	1				0		2.25	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1546.D

Injection Date: 09-Oct-2013 23:33:30

Instrument ID: HP5973N

Operator ID: RAL

Lims ID: IC

Lab Sample ID:

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

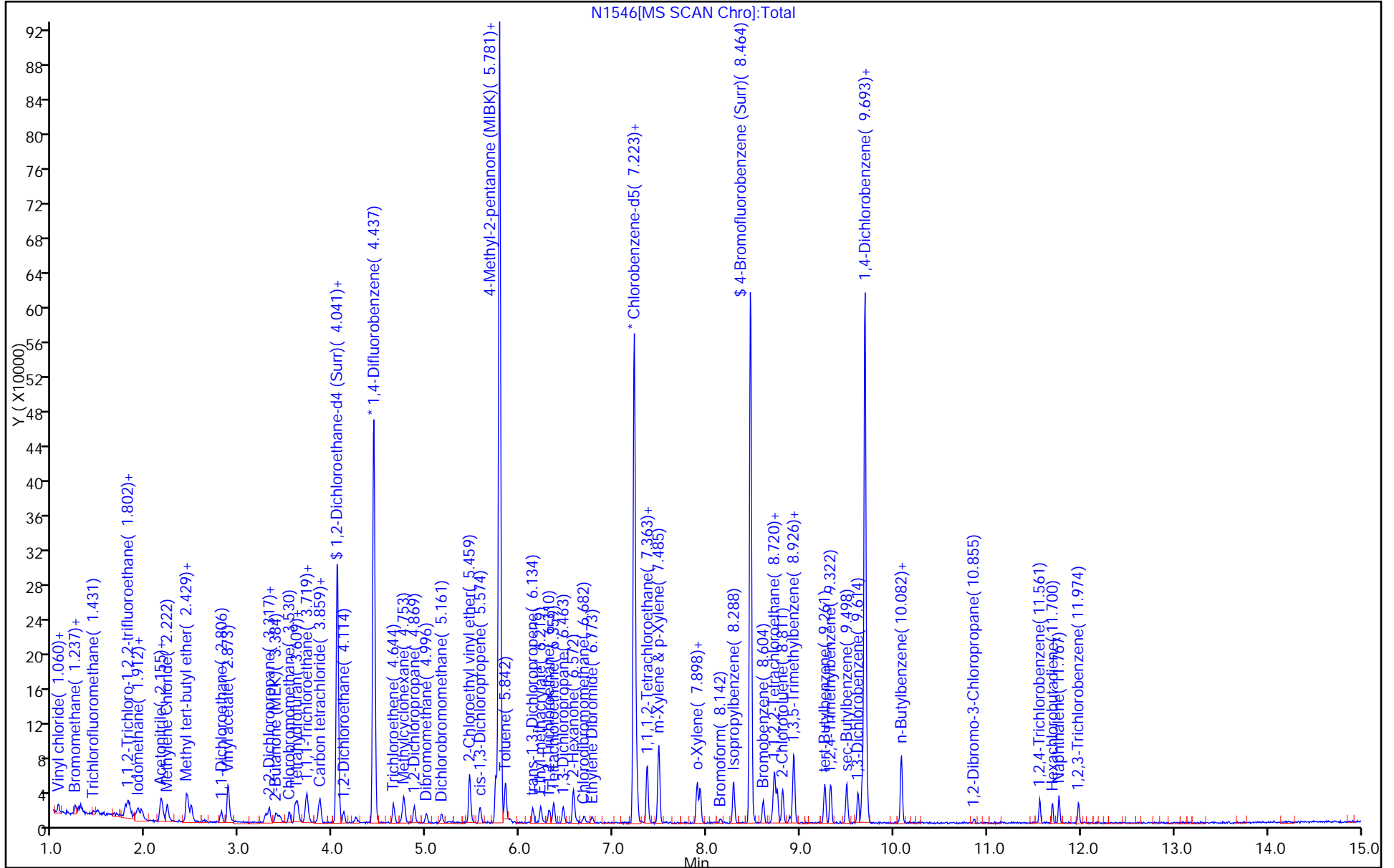
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1547.D
 Lims ID: IC 2 Lab Sample ID:
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 10-Oct-2013 00:13:30 ALS Bottle#: 17 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0026052-005
 Operator ID: RAL Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub7
 Method: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Oct-2013 17:17:44 Calib Date: 10-Oct-2013 01:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1551.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK008

First Level Reviewer: larsonr

Date: 10-Oct-2013 17:17:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	376140	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	84	317179	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	91	161781	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	90	173950	25.3	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	81	581847	25.4	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	168509	25.3	
11 Dichlorodifluoromethane	85	0.902	0.902	0.0	74	25985	4.91	
13 Chloromethane	50	0.981	0.987	-0.006	99	31435	4.97	
14 Vinyl chloride	62	1.060	1.066	-0.006	61	27924	4.84	
15 Bromomethane	94	1.243	1.243	0.0	89	11813	4.66	
16 Chloroethane	64	1.310	1.310	0.0	63	12258	4.83	
18 Trichlorofluoromethane	101	1.437	1.480	-0.043	74	22240	4.34	
20 Acrolein	56	1.772	1.778	-0.006	95	38310	94.8	
22 1,1-Dichloroethene	96	1.808	1.808	0.0	90	21994	4.96	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.815	1.821	-0.006	50	19132	4.64	
23 Acetone	43	1.906	1.906	0.0	92	43904	23.3	
24 Iodomethane	142	1.924	1.924	0.0	92	30560	4.64	
25 Carbon disulfide	76	1.954	1.954	0.0	98	80859	4.78	
29 Acetonitrile	40	2.155	2.155	0.0	99	78366	193.9	
28 Methyl acetate	43	2.161	2.155	0.006	51	37934	4.81	
30 Methylene Chloride	84	2.222	2.228	-0.006	81	33512	5.01	
33 trans-1,2-Dichloroethene	96	2.429	2.429	0.0	87	29611	4.83	
32 Methyl tert-butyl ether	73	2.435	2.435	0.0	89	102677	4.78	
34 Acrylonitrile	53	2.478	2.478	0.0	96	60546	23.6	
36 1,1-Dichloroethane	63	2.800	2.800	0.0	78	56403	4.89	
39 Vinyl acetate	43	2.873	2.867	0.006	97	306319	26.2	
42 2,2-Dichloropropane	77	3.275	3.281	-0.006	72	32514	4.72	
43 cis-1,2-Dichloroethene	96	3.311	3.317	-0.006	59	33195	4.85	
44 2-Butanone (MEK)	43	3.372	3.366	0.006	100	76334	23.5	
47 Chlorobromomethane	128	3.530	3.530	0.0	90	15706	4.69	

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.573	3.560	0.013	88	57042	23.4	
50 Chloroform	83	3.615	3.615	0.0	71	51427	4.86	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	84	39377	4.71	
52 Cyclohexane	56	3.719	3.719	0.0	85	53472	4.66	
53 Carbon tetrachloride	117	3.840	3.840	0.0	71	34174	4.63	
54 1,1-Dichloropropene	75	3.859	3.859	0.0	93	44832	4.94	
55 Benzene	78	4.047	4.047	0.0	80	127922	4.98	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	80	38437	4.55	
60 Trichloroethene	95	4.643	4.643	0.0	88	29348	4.80	
62 Methylcyclohexane	83	4.753	4.759	-0.006	87	53340	4.64	
63 1,2-Dichloropropane	63	4.869	4.868	0.001	90	32324	4.74	
64 Dibromomethane	93	4.996	4.996	0.0	84	17728	4.69	
67 Dichlorobromomethane	83	5.161	5.160	0.001	83	35540	4.56	
69 2-Chloroethyl vinyl ether	63	5.459	5.459	0.0	91	111338	24.6	
71 cis-1,3-Dichloropropene	75	5.574	5.568	0.006	79	49788	4.64	
72 4-Methyl-2-pentanone (MIBK)	43	5.738	5.732	0.006	95	172222	25.1	
73 Toluene	92	5.842	5.842	0.0	90	83701	5.08	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	90	46031	4.77	
77 Ethyl methacrylate	69	6.219	6.219	0.0	87	44525	4.63	
78 1,1,2-Trichloroethane	83	6.304	6.310	-0.006	82	22303	4.73	
79 Tetrachloroethene	166	6.359	6.359	0.0	86	32691	5.01	
80 1,3-Dichloropropane	76	6.462	6.462	0.0	83	51410	4.91	
82 2-Hexanone	43	6.566	6.560	0.006	95	122217	25.3	
83 Chlorodibromomethane	129	6.681	6.687	-0.006	72	24791	4.46	
84 Ethylene Dibromide	107	6.767	6.767	0.0	83	27556	4.74	
85 Chlorobenzene	112	7.253	7.253	0.0	88	88021	4.98	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	75	28850	5.04	
88 Ethylbenzene	91	7.357	7.357	0.0	97	151029	5.19	
90 m-Xylene & p-Xylene	106	7.484	7.484	0.0	100	120593	10.2	
91 o-Xylene	106	7.892	7.892	0.0	94	59389	4.99	
92 Styrene	104	7.929	7.928	0.001	93	100232	5.07	
93 Bromoform	173	8.148	8.148	0.0	79	14082	4.29	
95 Isopropylbenzene	105	8.281	8.287	-0.006	93	151251	4.91	
97 Bromobenzene	156	8.604	8.604	0.0	90	34371	4.55	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	81	36674	4.58	
99 1,2,3-Trichloropropane	110	8.719	8.719	0.0	70	11216	4.62	
100 N-Propylbenzene	91	8.726	8.725	0.001	97	173474	5.03	
101 trans-1,4-Dichloro-2-butene	53	8.750	8.750	0.0	81	40741	22.5	
102 2-Chlorotoluene	126	8.811	8.811	0.0	94	34528	4.69	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	85	126728	5.04	
105 4-Chlorotoluene	91	8.932	8.932	0.0	99	116685	4.86	
106 tert-Butylbenzene	134	9.261	9.261	0.0	86	26910	4.80	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	88	119999	4.88	
109 sec-Butylbenzene	105	9.498	9.498	0.0	89	158381	5.08	
110 1,3-Dichlorobenzene	146	9.614	9.614	0.0	95	68012	4.72	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	88	132173	5.04	
113 1,4-Dichlorobenzene	146	9.711	9.717	-0.006	91	68695	4.78	
115 n-Butylbenzene	91	10.076	10.076	0.0	93	108966	4.90	
116 1,2-Dichlorobenzene	146	10.088	10.088	0.0	93	63135	4.84	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	52	5116	4.47	
119 1,2,4-Trichlorobenzene	180	11.560	11.560	0.0	90	37834	4.97	
120 Hexachlorobutadiene	225	11.700	11.694	0.006	85	19259	5.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.767	11.767	0.0	96	102060	5.11	
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	91	34210	5.11	
S 123 1,3-Dichloropropene, Total	1				0		9.41	
S 124 1,2-Dichloroethene, Total	1				0		9.68	
S 125 Total BTEX	1				0		30.4	
S 126 Xylenes, Total	1				0		15.2	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1547.D

Injection Date: 10-Oct-2013 00:13:30

Instrument ID: HP5973N

Operator ID: RAL

Lims ID: IC 2

Lab Sample ID:

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

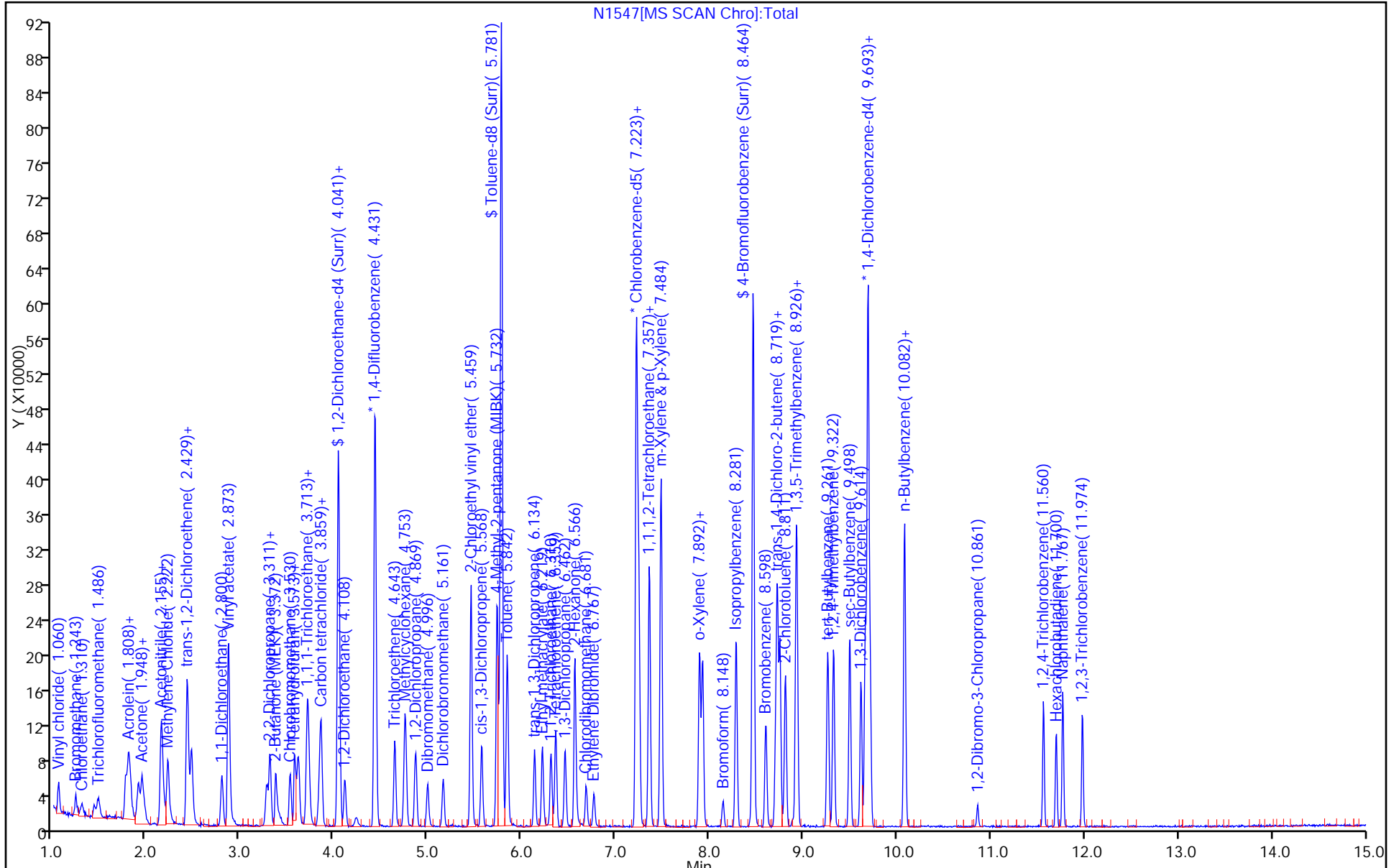
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1548.D
 Lims ID: IC 3 Lab Sample ID:
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 10-Oct-2013 00:37:30 ALS Bottle#: 18 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0026052-006
 Operator ID: RAL Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub7
 Method: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Oct-2013 17:04:41 Calib Date: 10-Oct-2013 01:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1551.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK008

First Level Reviewer: larsonr

Date: 10-Oct-2013 17:04:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.436	4.437	-0.001	91	374602	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	84	321070	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	86	158100	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	91	173462	25.3	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	81	581776	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	169780	25.1	
11 Dichlorodifluoromethane	85	0.908	0.902	0.006	84	49149	9.33	
13 Chloromethane	50	0.987	0.987	0.0	89	60681	9.63	
14 Vinyl chloride	62	1.066	1.066	0.0	98	54803	9.54	
15 Bromomethane	94	1.249	1.243	0.006	85	23412	9.26	
16 Chloroethane	64	1.316	1.310	0.006	88	23588	9.34	
18 Trichlorofluoromethane	101	1.443	1.480	-0.037	82	48413	9.49	
20 Acrolein	56	1.778	1.778	0.0	89	78686	195.5	
22 1,1-Dichloroethene	96	1.808	1.808	0.0	87	41933	9.49	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.820	1.821	-0.001	79	41053	10.0	
23 Acetone	43	1.906	1.906	0.0	93	89014	47.4	
24 Iodomethane	142	1.924	1.924	0.0	97	65080	9.92	
25 Carbon disulfide	76	1.954	1.954	0.0	99	169657	10.1	
28 Methyl acetate	43	2.161	2.155	0.006	53	77171	10.4	
29 Acetonitrile	40	2.155	2.155	0.0	99	158284	393.2	
30 Methylene Chloride	84	2.228	2.228	0.0	85	62272	9.35	
33 trans-1,2-Dichloroethene	96	2.435	2.429	0.006	88	59144	9.68	
32 Methyl tert-butyl ether	73	2.435	2.435	0.0	89	218668	10.2	
34 Acrylonitrile	53	2.478	2.478	0.0	98	133545	52.2	
36 1,1-Dichloroethane	63	2.806	2.800	0.006	82	111923	9.75	
39 Vinyl acetate	43	2.873	2.867	0.006	98	630747	54.2	
42 2,2-Dichloropropane	77	3.281	3.281	0.0	85	65839	9.60	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	68	64625	9.49	
44 2-Butanone (MEK)	43	3.372	3.366	0.006	100	164249	50.9	
47 Chlorobromomethane	128	3.530	3.530	0.0	86	32837	9.84	

Compound	Sig	RT (min.)	Adj RT (min.)	DI RT (min.)	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.573	3.560	0.013	86	119170	51.4	
50 Chloroform	83	3.621	3.615	0.006	76	100714	9.56	
51 1,1,1-Trichloroethane	97	3.712	3.713	-0.001	87	79731	9.57	
52 Cyclohexane	56	3.725	3.719	0.006	90	113512	9.93	
53 Carbon tetrachloride	117	3.846	3.840	0.006	79	69585	9.47	
54 1,1-Dichloropropene	75	3.858	3.859	-0.001	94	85915	9.50	
55 Benzene	78	4.047	4.047	0.0	93	252811	9.88	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	90	81035	9.63	
60 Trichloroethene	95	4.643	4.643	0.0	91	58822	9.66	
62 Methylcyclohexane	83	4.759	4.759	0.0	87	118521	10.4	
63 1,2-Dichloropropane	63	4.868	4.868	0.0	94	65358	9.62	
64 Dibromomethane	93	4.996	4.996	0.0	86	37003	9.83	
67 Dichlorobromomethane	83	5.160	5.160	0.0	87	71737	9.24	
69 2-Chloroethyl vinyl ether	63	5.458	5.459	-0.001	92	236110	52.3	
71 cis-1,3-Dichloropropene	75	5.574	5.568	0.006	84	104060	9.74	
72 4-Methyl-2-pentanone (MIBK)	43	5.732	5.732	0.0	96	359905	51.8	
73 Toluene	92	5.842	5.842	0.0	92	157357	9.43	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	90	94525	9.68	
77 Ethyl methacrylate	69	6.219	6.219	0.0	88	100263	10.3	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	85	45764	9.59	
79 Tetrachloroethene	166	6.359	6.359	0.0	87	63200	9.57	
80 1,3-Dichloropropane	76	6.462	6.462	0.0	87	101695	9.60	
82 2-Hexanone	43	6.566	6.560	0.006	94	258627	52.9	
83 Chlorodibromomethane	129	6.687	6.687	0.0	81	52897	9.39	
84 Ethylene Dibromide	107	6.766	6.767	-0.001	95	57891	9.84	
85 Chlorobenzene	112	7.253	7.253	0.0	93	175165	9.79	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	86	55665	9.61	
88 Ethylbenzene	91	7.363	7.357	0.006	98	291461	9.90	
90 m-Xylene & p-Xylene	106	7.484	7.484	0.0	99	240366	20.0	
91 o-Xylene	106	7.898	7.892	0.006	96	118529	9.84	
92 Styrene	104	7.928	7.928	0.0	93	199846	9.99	
93 Bromoform	173	8.147	8.148	-0.001	91	29964	8.34	
95 Isopropylbenzene	105	8.287	8.287	0.0	95	300631	10.0	
97 Bromobenzene	156	8.604	8.604	0.0	91	71280	9.65	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	90	75978	9.71	
99 1,2,3-Trichloropropane	110	8.719	8.719	0.0	77	22316	9.42	
100 N-Propylbenzene	91	8.725	8.725	0.0	97	338527	10.1	
101 trans-1,4-Dichloro-2-butene	53	8.750	8.750	0.0	88	89825	50.8	
102 2-Chlorotoluene	126	8.811	8.811	0.0	95	70263	9.78	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	87	245711	10.0	
105 4-Chlorotoluene	91	8.932	8.932	0.0	99	230260	9.82	
106 tert-Butylbenzene	134	9.261	9.261	0.0	90	52622	9.60	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	90	243620	10.1	
109 sec-Butylbenzene	105	9.498	9.498	0.0	93	312351	10.3	
110 1,3-Dichlorobenzene	146	9.614	9.614	0.0	96	136840	9.72	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	88	262417	10.2	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	92	136939	9.75	
115 n-Butylbenzene	91	10.076	10.076	0.0	94	219012	10.1	
116 1,2-Dichlorobenzene	146	10.082	10.088	-0.006	96	126155	9.90	
117 1,2-Dibromo-3-Chloropropane	75	10.855	10.861	-0.006	62	11278	10.1	
119 1,2,4-Trichlorobenzene	180	11.560	11.560	0.0	93	77175	10.4	
120 Hexachlorobutadiene	225	11.700	11.694	0.006	91	37430	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.767	11.767	0.0	97	207371	10.6	
122 1,2,3-Trichlorobenzene	180	11.974	11.980	-0.006	93	67815	10.4	
S 125 Total BTEX	1				0		59.1	
S 126 Xylenes, Total	1				0		29.9	
S 123 1,3-Dichloropropene, Total	1				0		19.4	
S 124 1,2-Dichloroethene, Total	1				0		19.2	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1548.D

Injection Date: 10-Oct-2013 00:37:30

Instrument ID: HP5973N

Operator ID: RAL

Lims ID: IC 3

Lab Sample ID:

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

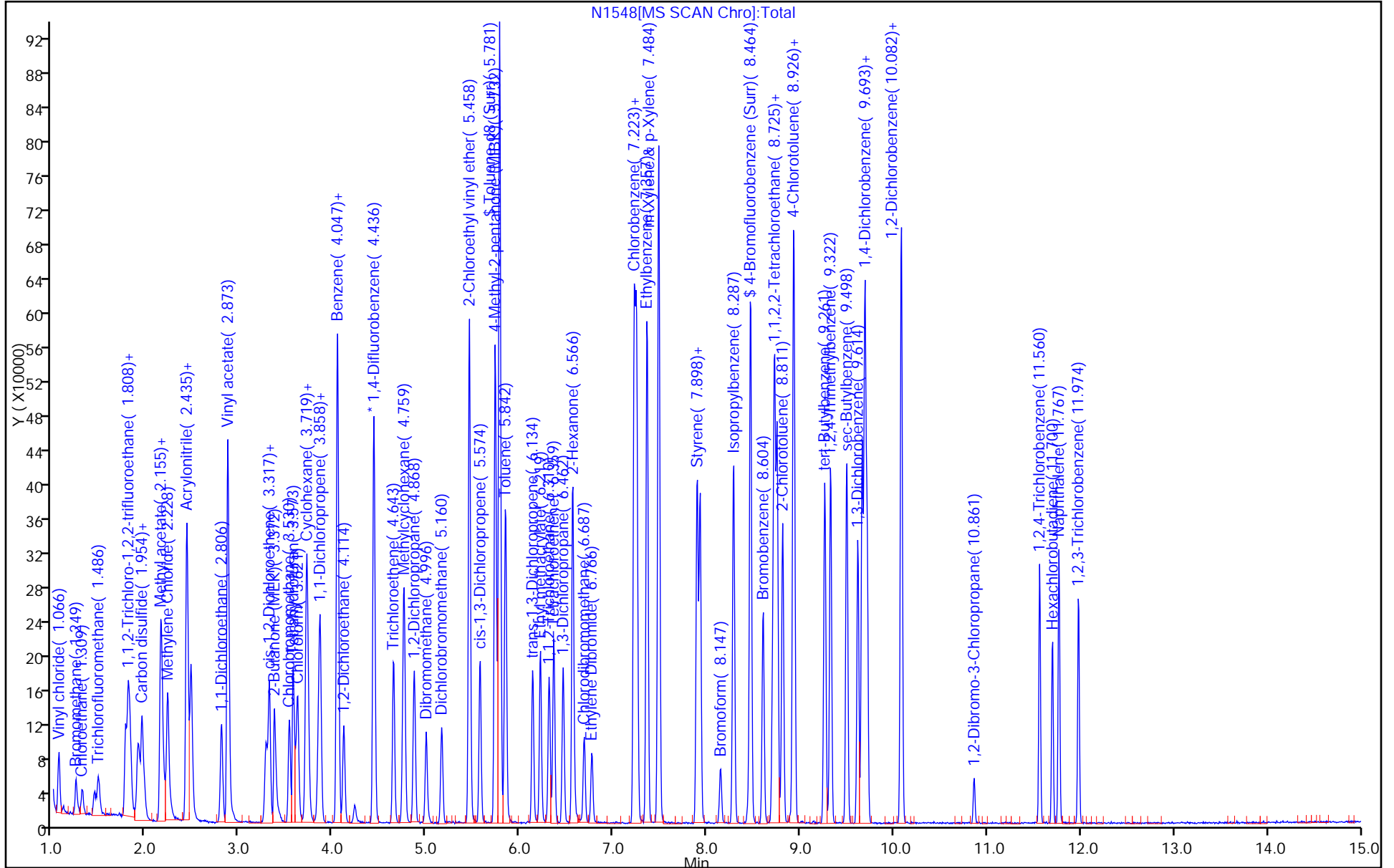
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1549.D
 Lims ID: ICIS 4 Lab Sample ID:
 Client ID:
 Sample Type: ICIS Calib Level: 4
 Inject. Date: 10-Oct-2013 01:01:30 ALS Bottle#: 19 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 4
 Misc. Info.: 480-0026052-007
 Operator ID: RAL Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub7
 Method: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Oct-2013 17:05:21 Calib Date: 10-Oct-2013 01:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1551.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK008

First Level Reviewer: larsonr

Date: 10-Oct-2013 17:05:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	366744	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	84	313305	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	71	153626	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	51	166198	24.7	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	52	558046	24.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	163078	24.7	
11 Dichlorodifluoromethane	85	0.902	0.902	0.0	86	125947	24.4	
13 Chloromethane	50	0.987	0.987	0.0	89	156104	25.3	
14 Vinyl chloride	62	1.066	1.066	0.0	97	137204	24.4	
15 Bromomethane	94	1.243	1.243	0.0	80	57927	23.4	
16 Chloroethane	64	1.310	1.310	0.0	93	69124	27.9	
18 Trichlorofluoromethane	101	1.480	1.480	0.0	84	135796	27.2	
20 Acrolein	56	1.778	1.778	0.0	90	200361	508.5	
22 1,1-Dichloroethene	96	1.808	1.808	0.0	83	105830	24.5	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.821	1.821	0.0	68	103853	25.9	
23 Acetone	43	1.906	1.906	0.0	98	214344	116.5	
24 Iodomethane	142	1.924	1.924	0.0	98	159997	24.9	
25 Carbon disulfide	76	1.954	1.954	0.0	97	413355	25.0	
28 Methyl acetate	43	2.155	2.155	0.0	49	177359	25.1	
29 Acetonitrile	40	2.155	2.155	0.0	100	372128	944.2	
30 Methylene Chloride	84	2.228	2.228	0.0	81	158890	24.4	
33 trans-1,2-Dichloroethene	96	2.429	2.429	0.0	63	150928	25.2	
32 Methyl tert-butyl ether	73	2.435	2.435	0.0	89	529069	25.3	
34 Acrylonitrile	53	2.478	2.478	0.0	97	315789	126.1	
36 1,1-Dichloroethane	63	2.800	2.800	0.0	85	282937	25.2	
39 Vinyl acetate	43	2.867	2.867	0.0	98	1469861	129.1	
42 2,2-Dichloropropane	77	3.281	3.281	0.0	87	166002	24.7	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	65	166400	25.0	
44 2-Butanone (MEK)	43	3.366	3.366	0.0	98	390376	123.5	
47 Chlorobromomethane	128	3.530	3.530	0.0	88	81955	25.1	

Compound	Sig	RT (min.)	Adj RT (min.)	DI RT (min.)	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.560	3.560	0.0	86	281733	127.1	
50 Chloroform	83	3.615	3.615	0.0	72	257596	25.0	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	85	205150	25.1	
52 Cyclohexane	56	3.719	3.719	0.0	89	275142	24.6	
53 Carbon tetrachloride	117	3.840	3.840	0.0	80	186207	25.9	
54 1,1-Dichloropropene	75	3.859	3.859	0.0	89	219492	24.8	
55 Benzene	78	4.047	4.047	0.0	97	636103	25.4	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	74	208707	25.3	
60 Trichloroethene	95	4.643	4.643	0.0	91	150502	25.3	
62 Methylcyclohexane	83	4.759	4.759	0.0	87	284335	25.4	
63 1,2-Dichloropropane	63	4.868	4.868	0.0	93	167294	25.2	
64 Dibromomethane	93	4.996	4.996	0.0	87	94824	25.7	
67 Dichlorobromomethane	83	5.160	5.160	0.0	87	192811	25.4	
69 2-Chloroethyl vinyl ether	63	5.459	5.459	0.0	92	567755	128.5	
71 cis-1,3-Dichloropropene	75	5.568	5.568	0.0	86	275692	26.4	
72 4-Methyl-2-pentanone (MIBK)	43	5.732	5.732	0.0	95	834884	123.1	
73 Toluene	92	5.842	5.842	0.0	92	402273	24.7	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	89	249230	26.1	
77 Ethyl methacrylate	69	6.219	6.219	0.0	89	237576	25.0	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	86	116759	25.1	
79 Tetrachloroethene	166	6.359	6.359	0.0	79	161301	25.0	
80 1,3-Dichloropropane	76	6.462	6.462	0.0	86	262153	25.4	
82 2-Hexanone	43	6.560	6.560	0.0	94	607536	127.2	
83 Chlorodibromomethane	129	6.687	6.687	0.0	84	148576	27.0	
84 Ethylene Dibromide	107	6.767	6.767	0.0	96	147177	25.6	
85 Chlorobenzene	112	7.253	7.253	0.0	93	448928	25.7	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	39	142850	25.3	
88 Ethylbenzene	91	7.357	7.357	0.0	98	723729	25.2	
90 m-Xylene & p-Xylene	106	7.484	7.484	0.0	97	585687	50.0	
91 o-Xylene	106	7.892	7.892	0.0	96	300352	25.6	
92 Styrene	104	7.928	7.928	0.0	95	499273	25.6	
93 Bromoform	173	8.148	8.148	0.0	94	87687	23.8	
95 Isopropylbenzene	105	8.287	8.287	0.0	95	738664	25.3	
97 Bromobenzene	156	8.604	8.604	0.0	92	181074	25.2	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	89	193366	25.4	
99 1,2,3-Trichloropropane	110	8.719	8.719	0.0	55	55487	24.1	
100 N-Propylbenzene	91	8.725	8.725	0.0	97	825806	25.2	
101 trans-1,4-Dichloro-2-butene	53	8.750	8.750	0.0	86	224777	130.7	
102 2-Chlorotoluene	126	8.811	8.811	0.0	94	173075	24.8	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	87	610102	25.5	
105 4-Chlorotoluene	91	8.932	8.932	0.0	99	568570	25.0	
106 tert-Butylbenzene	134	9.261	9.261	0.0	89	135839	25.5	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	65	597170	25.6	
109 sec-Butylbenzene	105	9.498	9.498	0.0	94	755399	25.5	
110 1,3-Dichlorobenzene	146	9.614	9.614	0.0	96	349014	25.5	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	88	638625	25.7	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	89	344959	25.3	
115 n-Butylbenzene	91	10.076	10.076	0.0	93	543243	25.7	
116 1,2-Dichlorobenzene	146	10.088	10.088	0.0	96	324836	26.2	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	70	31732	29.2	
119 1,2,4-Trichlorobenzene	180	11.560	11.560	0.0	90	192650	26.7	
120 Hexachlorobutadiene	225	11.694	11.694	0.0	95	85866	24.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.767	11.767	0.0	97	504873	26.6	
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	94	165768	26.1	
S 125 Total BTEX	1				0		150.9	
S 126 Xylenes, Total	1				0		75.6	
S 123 1,3-Dichloropropene, Total	1				0		52.5	
S 124 1,2-Dichloroethene, Total	1				0		50.2	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1549.D

Injection Date: 10-Oct-2013 01:01:30

Instrument ID: HP5973N

Operator ID: RAL

Lims ID: ICIS 4

Lab Sample ID:

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

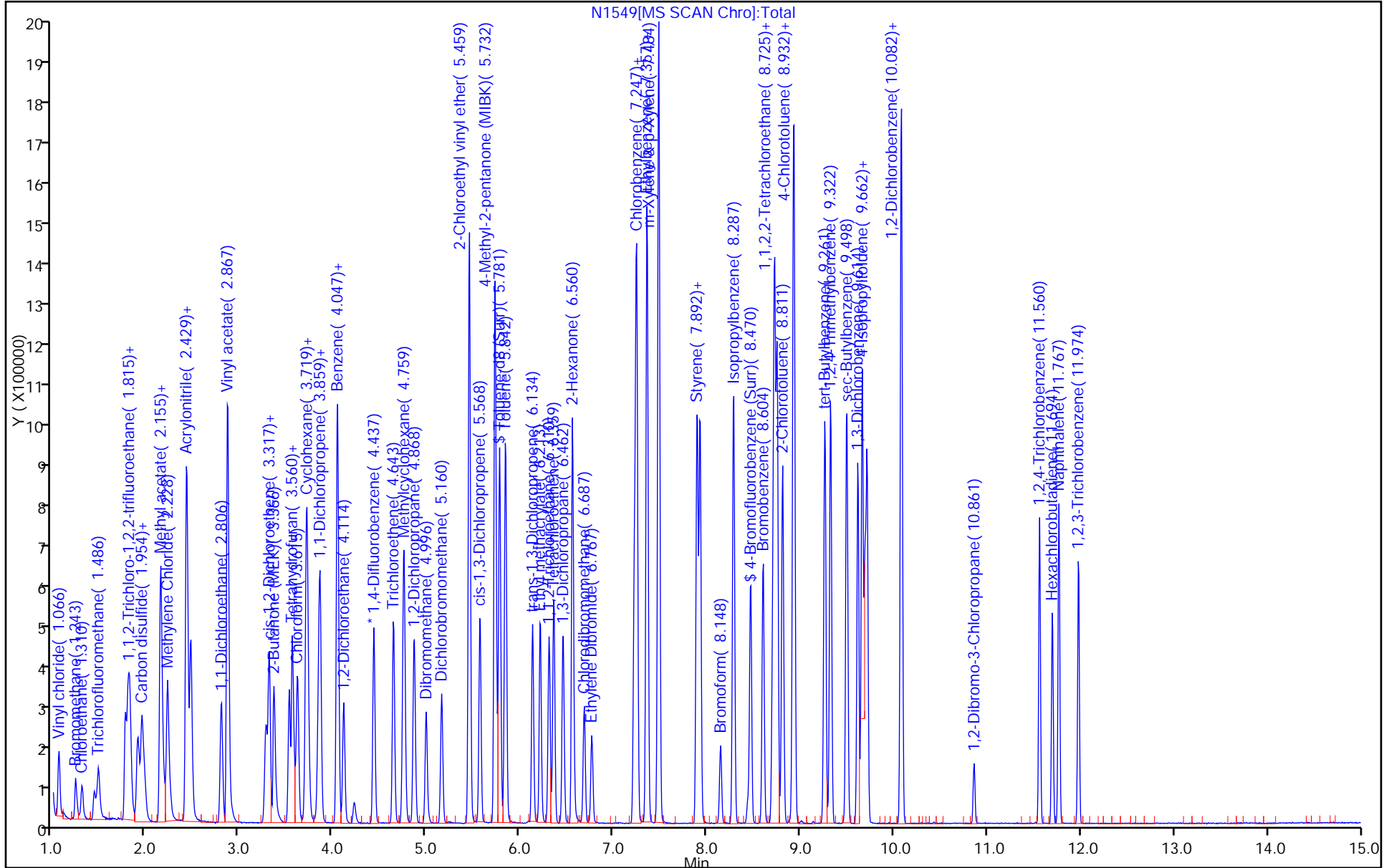
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1550.D
 Lims ID: IC 5 Lab Sample ID:
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 10-Oct-2013 01:25:30 ALS Bottle#: 20 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 5
 Misc. Info.: 480-0026052-008
 Operator ID: RAL Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub7

Method: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Oct-2013 17:08:11 Calib Date: 10-Oct-2013 01:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1551.D

Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK008

First Level Reviewer: larsonr Date: 10-Oct-2013 17:08:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	368014	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	84	315096	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	90	149520	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	92	165865	24.6	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	80	561600	24.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	166110	25.1	
11 Dichlorodifluoromethane	85	0.902	0.902	0.0	87	242100	46.8	
13 Chloromethane	50	0.987	0.987	0.0	89	297190	48.0	
14 Vinyl chloride	62	1.066	1.066	0.0	83	267692	47.5	
15 Bromomethane	94	1.249	1.243	0.006	90	118662	47.8	
16 Chloroethane	64	1.310	1.310	0.0	95	134001	54.0	
18 Trichlorofluoromethane	101	1.444	1.480	-0.036	82	272409	54.4	
20 Acrolein	56	1.772	1.778	-0.006	92	400612	1013.3	
22 1,1-Dichloroethene	96	1.802	1.808	-0.006	85	204697	47.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.821	1.821	0.0	80	211672	52.5	
23 Acetone	43	1.900	1.906	-0.006	99	446908	242.1	
24 Iodomethane	142	1.924	1.924	0.0	98	331790	51.5	
25 Carbon disulfide	76	1.955	1.954	0.001	98	848010	51.2	
28 Methyl acetate	43	2.155	2.155	0.0	95	349037	49.8	
29 Acetonitrile	40	2.155	2.155	0.0	100	744214	1881.8	
30 Methylene Chloride	84	2.228	2.228	0.0	81	307840	47.0	
33 trans-1,2-Dichloroethene	96	2.429	2.429	0.0	61	295367	49.2	
32 Methyl tert-butyl ether	73	2.429	2.435	-0.006	90	1043890	49.7	
34 Acrylonitrile	53	2.478	2.478	0.0	97	614030	244.4	
36 1,1-Dichloroethane	63	2.800	2.800	0.0	85	559918	49.7	
39 Vinyl acetate	43	2.867	2.867	0.0	98	2634703	230.6	
42 2,2-Dichloropropane	77	3.281	3.281	0.0	83	326552	48.5	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	65	324033	48.4	
44 2-Butanone (MEK)	43	3.360	3.366	-0.006	99	772216	243.4	
47 Chlorobromomethane	128	3.530	3.530	0.0	93	165968	50.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.555	3.560	-0.005	86	551814	250.2	
50 Chloroform	83	3.615	3.615	0.0	77	501103	48.4	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	87	406504	49.7	
52 Cyclohexane	56	3.719	3.719	0.0	89	536780	47.8	
53 Carbon tetrachloride	117	3.840	3.840	0.0	80	374320	51.8	
54 1,1-Dichloropropene	75	3.859	3.859	0.0	94	430767	48.5	
55 Benzene	78	4.047	4.047	0.0	98	1216329	48.4	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	91	416567	50.4	
60 Trichloroethene	95	4.643	4.643	0.0	91	294556	49.2	
62 Methylcyclohexane	83	4.759	4.759	0.0	89	561948	50.0	
63 1,2-Dichloropropane	63	4.862	4.868	-0.006	95	325773	48.8	
64 Dibromomethane	93	4.996	4.996	0.0	90	186663	50.5	
67 Dichlorobromomethane	83	5.161	5.160	0.001	89	391830	51.4	
69 2-Chloroethyl vinyl ether	63	5.459	5.459	0.0	92	1099135	247.9	
71 cis-1,3-Dichloropropene	75	5.574	5.568	0.006	91	535352	51.0	
72 4-Methyl-2-pentanone (MIBK)	43	5.732	5.732	0.0	94	1565078	229.4	
73 Toluene	92	5.842	5.842	0.0	92	778369	47.5	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	89	499394	52.1	
77 Ethyl methacrylate	69	6.213	6.219	-0.006	90	467151	48.9	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	86	232461	49.6	
79 Tetrachloroethene	166	6.359	6.359	0.0	87	317720	49.0	
80 1,3-Dichloropropane	76	6.462	6.462	0.0	87	513304	49.4	
82 2-Hexanone	43	6.560	6.560	0.0	92	1141173	237.6	
83 Chlorodibromomethane	129	6.688	6.687	0.001	86	299993	54.3	
84 Ethylene Dibromide	107	6.767	6.767	0.0	98	294155	50.9	
85 Chlorobenzene	112	7.247	7.253	-0.006	93	852594	48.5	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	86	286726	50.4	
88 Ethylbenzene	91	7.357	7.357	0.0	98	1349260	46.7	
90 m-Xylene & p-Xylene	106	7.485	7.484	0.001	96	1104288	93.7	
91 o-Xylene	106	7.898	7.892	0.006	95	575077	48.6	
92 Styrene	104	7.929	7.928	0.001	94	939840	47.9	
93 Bromoform	173	8.148	8.148	0.0	94	185794	49.4	
95 Isopropylbenzene	105	8.281	8.287	-0.006	96	1366173	48.0	
97 Bromobenzene	156	8.604	8.604	0.0	93	354918	50.8	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	88	376382	50.9	
99 1,2,3-Trichloropropane	110	8.719	8.719	0.0	80	113183	50.5	
100 N-Propylbenzene	91	8.726	8.725	0.001	96	1524714	47.9	
101 trans-1,4-Dichloro-2-butene	53	8.750	8.750	0.0	89	451204	269.6	
102 2-Chlorotoluene	126	8.811	8.811	0.0	96	332420	48.9	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	90	1122886	48.3	
105 4-Chlorotoluene	91	8.932	8.932	0.0	98	1070958	48.3	
106 tert-Butylbenzene	134	9.261	9.261	0.0	90	254290	49.1	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	89	1108984	48.8	
109 sec-Butylbenzene	105	9.498	9.498	0.0	94	1361848	47.3	
110 1,3-Dichlorobenzene	146	9.614	9.614	0.0	96	659900	49.6	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	87	1157717	47.8	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	93	654237	49.3	
115 n-Butylbenzene	91	10.076	10.076	0.0	93	982512	47.8	
116 1,2-Dichlorobenzene	146	10.082	10.088	-0.006	95	602946	50.0	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	80	57917	54.8	
119 1,2,4-Trichlorobenzene	180	11.561	11.560	0.0	94	338203	48.1	
120 Hexachlorobutadiene	225	11.700	11.694	0.006	94	152260	45.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.767	11.767	0.0	98	849949	46.1	
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	94	282078	45.6	
S 125 Total BTEX	1				0		285.0	
S 126 Xylenes, Total	1				0		142.4	
S 123 1,3-Dichloropropene, Total	1				0		103.1	
S 124 1,2-Dichloroethene, Total	1				0		97.6	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1550.D

Injection Date: 10-Oct-2013 01:25:30

Instrument ID: HP5973N

Operator ID: RAL

Lims ID: IC 5

Lab Sample ID:

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

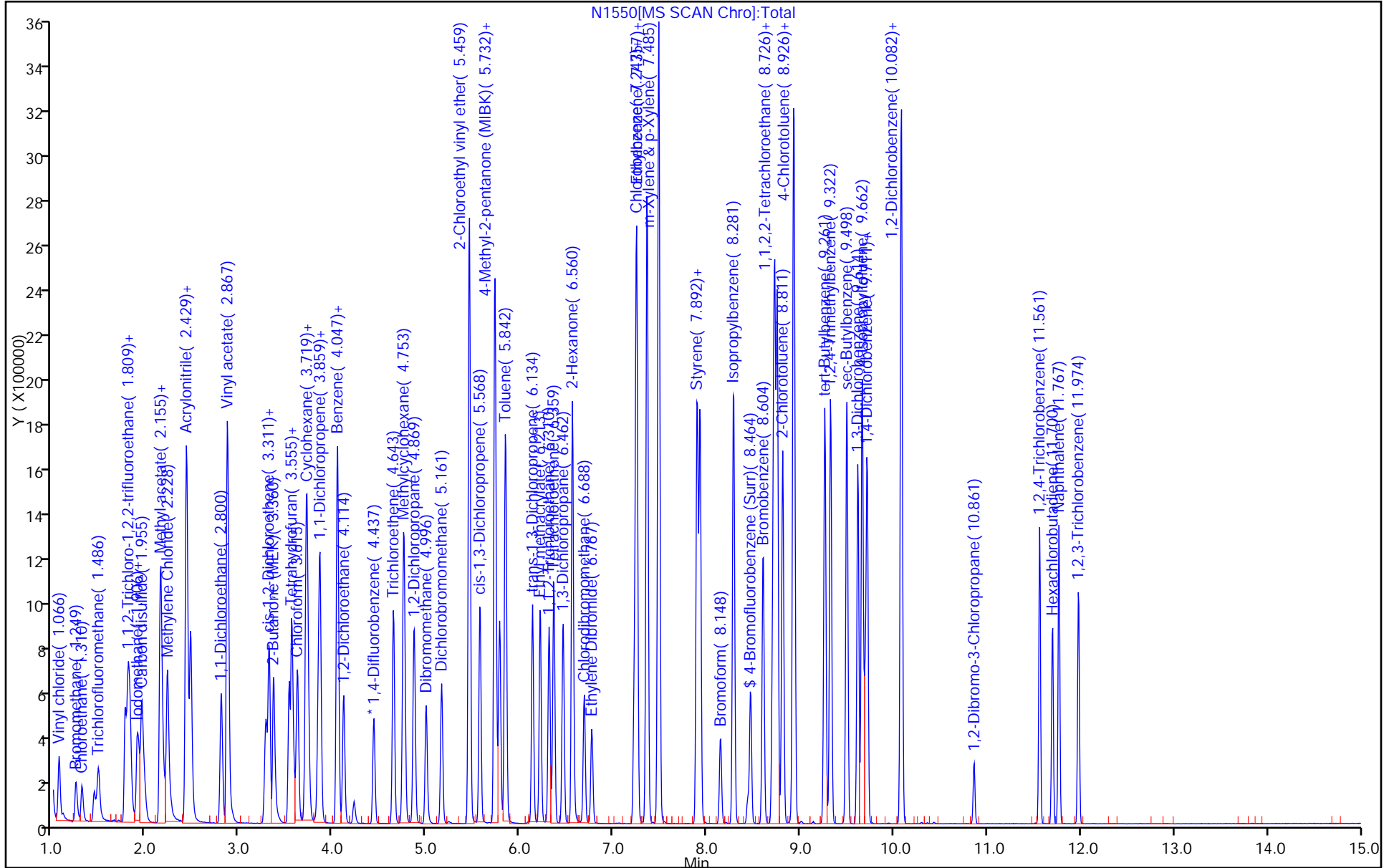
Dil. Factor: 1.0000

ALS Bottle#: 20

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1551.D
 Lims ID: IC 6 Lab Sample ID:
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 10-Oct-2013 01:48:30 ALS Bottle#: 21 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0026052-009
 Operator ID: RAL Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub7
 Method: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 10-Oct-2013 17:14:02 Calib Date: 10-Oct-2013 01:48:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1551.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK008

First Level Reviewer: larsonr

Date: 10-Oct-2013 17:14:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.436	4.437	-0.001	91	368002	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	84	311719	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	88	140856	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	37	165981	24.6	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	81	561663	24.9	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	81	160566	24.5	
11 Dichlorodifluoromethane	85	0.902	0.902	0.0	87	492787	95.2	
13 Chloromethane	50	0.993	0.987	0.006	89	565132	91.3	
14 Vinyl chloride	62	1.072	1.066	0.006	82	540026	95.7	
15 Bromomethane	94	1.255	1.243	0.012	91	251941	101.5	
16 Chloroethane	64	1.316	1.310	0.006	95	285943	115.2	
18 Trichlorofluoromethane	101	1.443	1.480	-0.037	86	600948	119.9	
20 Acrolein	56	1.772	1.778	-0.006	93	822227	2079.7	
22 1,1-Dichloroethene	96	1.808	1.808	0.0	85	425734	98.1	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	1.821	1.821	-0.001	79	423806	105.2	
23 Acetone	43	1.900	1.906	-0.006	98	901736	488.4	
24 Iodomethane	142	1.924	1.924	0.0	98	679693	105.5	
25 Carbon disulfide	76	1.954	1.954	0.0	99	1708761	103.2	
28 Methyl acetate	43	2.155	2.155	0.0	95	697133	99.9	
29 Acetonitrile	40	2.149	2.155	-0.006	99	1486656	3759.2	
30 Methylene Chloride	84	2.228	2.228	0.0	81	607241	92.8	
33 trans-1,2-Dichloroethene	96	2.429	2.429	0.0	62	585325	97.5	
32 Methyl tert-butyl ether	73	2.429	2.435	-0.006	91	2011147	95.8	
34 Acrylonitrile	53	2.478	2.478	0.0	96	1223221	486.9	
36 1,1-Dichloroethane	63	2.800	2.800	0.0	85	1103169	97.8	
39 Vinyl acetate	43	2.867	2.867	0.0	98	4255278	372.4	
42 2,2-Dichloropropane	77	3.281	3.281	0.0	84	679397	100.8	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	65	644072	96.3	
44 2-Butanone (MEK)	43	3.360	3.366	-0.006	97	1529282	482.0	
47 Chlorobromomethane	128	3.530	3.530	0.0	93	332858	101.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.554	3.560	-0.006	84	1093296	497.8	
50 Chloroform	83	3.615	3.615	0.0	76	988216	95.5	
51 1,1,1-Trichloroethane	97	3.713	3.713	-0.001	87	823913	100.6	
52 Cyclohexane	56	3.719	3.719	0.0	89	1061357	94.5	
53 Carbon tetrachloride	117	3.840	3.840	0.0	82	754564	104.5	
54 1,1-Dichloropropene	75	3.859	3.859	-0.001	94	863215	97.2	
55 Benzene	78	4.047	4.047	0.0	99	2276344	90.6	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	91	827191	100.1	
60 Trichloroethene	95	4.643	4.643	0.0	92	594404	99.4	
62 Methylcyclohexane	83	4.759	4.759	0.0	89	1114923	99.2	
63 1,2-Dichloropropane	63	4.868	4.868	0.0	93	651612	97.7	
64 Dibromomethane	93	4.996	4.996	0.0	88	377105	102.0	
67 Dichlorobromomethane	83	5.160	5.160	0.0	88	793526	104.1	
69 2-Chloroethyl vinyl ether	63	5.458	5.459	-0.001	92	1996658	450.3	
71 cis-1,3-Dichloropropene	75	5.574	5.568	0.006	91	1055519	100.5	
72 4-Methyl-2-pentanone (MIBK)	43	5.732	5.732	0.0	89	2738180	405.7	
73 Toluene	92	5.848	5.842	0.006	90	1484890	91.7	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	89	998536	105.3	
77 Ethyl methacrylate	69	6.213	6.219	-0.006	90	917182	97.0	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	87	457737	98.8	
79 Tetrachloroethene	166	6.365	6.359	0.006	87	626008	97.6	
80 1,3-Dichloropropane	76	6.462	6.462	0.0	88	998835	97.1	
82 2-Hexanone	43	6.560	6.560	0.0	85	2084343	438.7	
83 Chlorodibromomethane	129	6.687	6.687	0.0	86	617695	113.0	
84 Ethylene Dibromide	107	6.766	6.767	-0.001	99	581125	101.7	
85 Chlorobenzene	112	7.253	7.253	0.0	92	1598693	92.0	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	84	558321	99.3	
88 Ethylbenzene	91	7.363	7.357	0.006	97	2396702	83.8	
90 m-Xylene & p-Xylene	106	7.484	7.484	0.0	91	2028683	174.1	
91 o-Xylene	106	7.898	7.892	0.006	94	1090959	93.3	
92 Styrene	104	7.928	7.928	0.0	94	1740691	89.6	
93 Bromoform	173	8.147	8.148	-0.001	93	389464	103.9	
95 Isopropylbenzene	105	8.287	8.287	0.0	97	2437324	90.9	
97 Bromobenzene	156	8.604	8.604	0.0	93	682318	103.7	
98 1,1,2,2-Tetrachloroethane	83	8.707	8.701	0.006	88	705932	101.3	
99 1,2,3-Trichloropropane	110	8.719	8.719	0.0	71	217381	102.9	
100 N-Propylbenzene	91	8.725	8.725	0.0	94	2678223	89.3	
101 trans-1,4-Dichloro-2-butene	53	8.756	8.750	0.006	90	860893	546.1	
102 2-Chlorotoluene	126	8.811	8.811	0.0	96	635077	99.2	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	91	1957148	89.4	
105 4-Chlorotoluene	91	8.938	8.932	0.006	98	1917490	91.8	
106 tert-Butylbenzene	134	9.261	9.261	0.0	89	468149	95.9	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	89	1915930	89.4	
109 sec-Butylbenzene	105	9.498	9.498	0.0	95	2329236	85.9	
110 1,3-Dichlorobenzene	146	9.620	9.614	0.006	96	1202370	95.8	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	86	2001051	87.7	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	93	1183552	94.6	
115 n-Butylbenzene	91	10.076	10.076	0.0	92	1686495	87.2	
116 1,2-Dichlorobenzene	146	10.088	10.088	0.0	95	1034350	91.1	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	81	107410	107.8	
119 1,2,4-Trichlorobenzene	180	11.560	11.560	0.0	94	572752	86.5	
120 Hexachlorobutadiene	225	11.700	11.694	0.006	93	261763	82.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.767	11.767	0.0	98	1423141	81.9	
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	95	483782	83.0	
S 125 Total BTEX	1				0		533.5	
S 126 Xylenes, Total	1				0		267.4	
S 123 1,3-Dichloropropene, Total	1				0		205.8	
S 124 1,2-Dichloroethene, Total	1				0		193.8	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1551.D

Injection Date: 10-Oct-2013 01:48:30

Instrument ID: HP5973N

Operator ID: RAL

Lims ID: IC 6

Lab Sample ID:

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

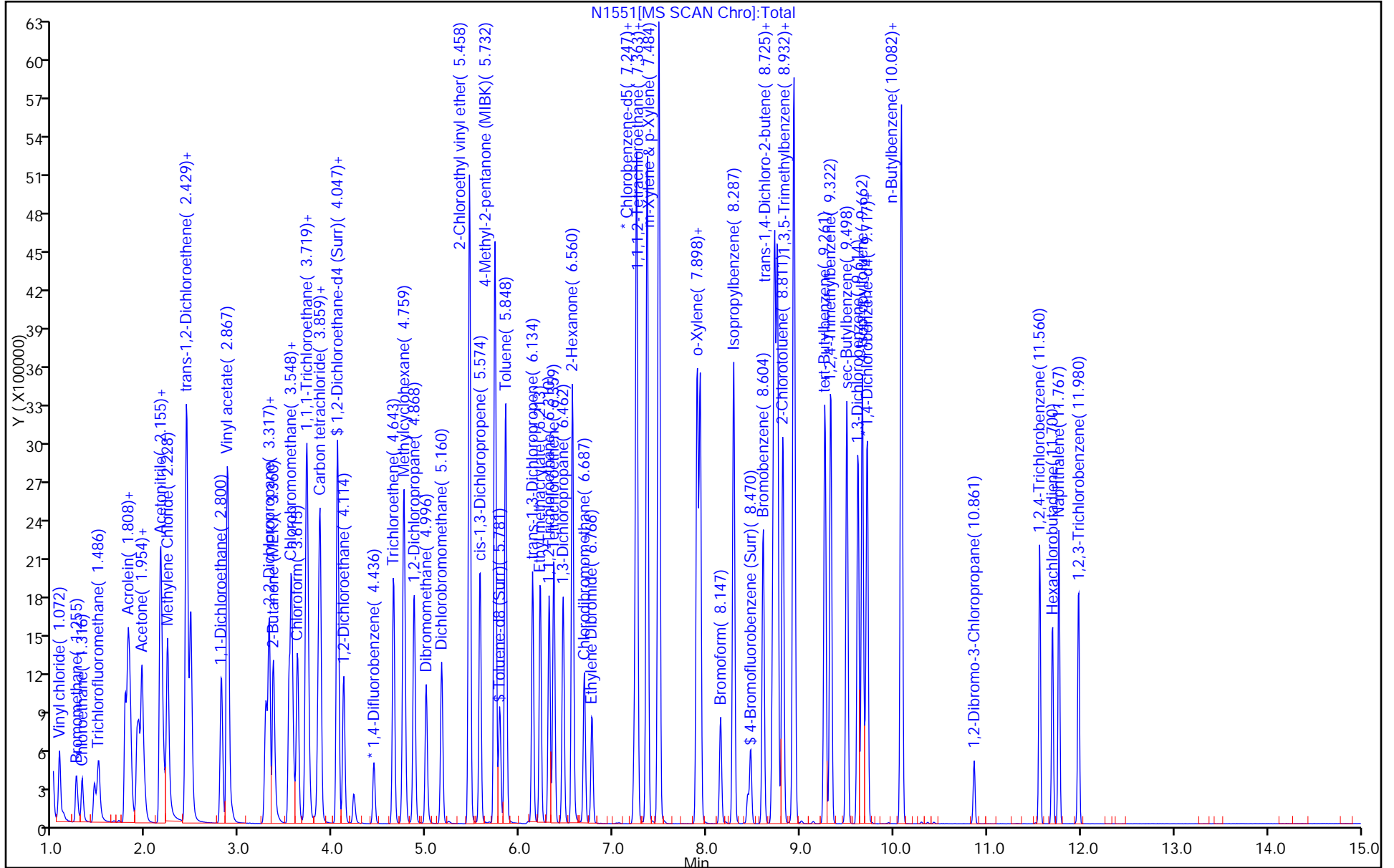
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-146247/3 Calibration Date: 10/21/2013 09:41
 Instrument ID: HP5973N Calib Start Date: 10/09/2013 23:33
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 10/10/2013 01:48
 Lab File ID: N2050.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	0.2814	0.2987	0.1000	26.5	25.0	6.2	20.0
Chloromethane	Ave	0.3365	0.3585	0.1000	26.6	25.0	6.6	20.0
Vinyl chloride	Ave	0.3066	0.3564	0.1000	29.1	25.0	16.3	20.0
Bromomethane	Ave	0.1349	0.1470	0.1000	27.2	25.0	9.0	20.0
Chloroethane	Ave	0.1349	0.1938	0.1000	35.9	25.0	43.7*	20.0
Trichlorofluoromethane	Ave	0.2723	0.3604	0.1000	33.1	25.0	32.4*	20.0
Acrolein	Ave	0.0215	0.0509		1190	500	137.1*	20.0
1,1-Dichloroethene	Ave	0.2359	0.2725	0.1000	28.9	25.0	15.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2190	0.2341	0.1000	26.7	25.0	6.9	20.0
Acetone	Ave	0.1003	0.1133	0.1000	141	125	12.9	20.0
Iodomethane	Ave	0.3501	0.3892		27.8	25.0	11.2	20.0
Carbon disulfide	Ave	0.9002	0.8825	0.1000	24.5	25.0	-2.0	20.0
Acetonitrile	Ave	0.0215	0.0250		1160	1000	16.3	20.0
Methyl acetate	Lin1		0.3990	0.1000	25.9	25.0	3.7	20.0
Methylene Chloride	Ave	0.3556	0.3735	0.1000	26.3	25.0	5.0	20.0
trans-1,2-Dichloroethene	Ave	0.3262	0.3598	0.1000	27.6	25.0	10.3	20.0
Methyl tert-butyl ether	Ave	1.142	1.168	0.1000	25.6	25.0	2.3	20.0
Acrylonitrile	Ave	0.1365	0.1425		130	125	4.4	20.0
1,1-Dichloroethane	Ave	0.6129	0.6637	0.2000	27.1	25.0	8.3	20.0
Vinyl acetate	Ave	0.6210	0.6547		132	125	5.4	20.0
2,2-Dichloropropane	Ave	0.3662	0.3928		26.8	25.0	7.3	20.0
cis-1,2-Dichloroethene	Ave	0.3637	0.3897	0.1000	26.8	25.0	7.2	20.0
2-Butanone (MEK)	Ave	0.1724	0.1881	0.1000	136	125	9.1	20.0
Chlorobromomethane	Ave	0.1782	0.1909		26.8	25.0	7.1	20.0
Tetrahydrofuran	Lin1		0.1273		132	125	5.4	20.0
Chloroform	Ave	0.5622	0.5987	0.2000	26.6	25.0	6.5	20.0
1,1,1-Trichloroethane	Ave	0.4449	0.4790	0.1000	26.9	25.0	7.7	20.0
Cyclohexane	Ave	0.6103	0.5740	0.1000	23.5	25.0	-5.9	20.0
Carbon tetrachloride	Ave	0.3924	0.4123	0.1000	26.3	25.0	5.1	20.0
1,1-Dichloropropene	Ave	0.4828	0.5233		27.1	25.0	8.4	20.0
Benzene	Ave	1.366	1.482	0.5000	27.1	25.0	8.5	20.0
1,2-Dichloroethane	Ave	0.4490	0.4799	0.1000	26.7	25.0	6.9	20.0
Trichloroethene	Ave	0.3250	0.3468	0.2000	26.7	25.0	6.7	20.0
Methylcyclohexane	Ave	0.6108	0.6115	0.1000	25.0	25.0	0.1	20.0
1,2-Dichloropropane	Ave	0.3626	0.3751	0.1000	25.9	25.0	3.4	20.0
Dibromomethane	Ave	0.2009	0.2117	0.1000	26.3	25.0	5.4	20.0
Bromodichloromethane	Ave	0.4144	0.4230	0.2000	25.5	25.0	2.1	20.0
2-Chloroethyl vinyl ether	Ave	0.2410	0.2473		128	125	2.6	20.0
cis-1,3-Dichloropropene	Ave	0.5706	0.6021	0.2000	26.4	25.0	5.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4330	0.4504	0.1000	130	125	4.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-146247/3 Calibration Date: 10/21/2013 09:41
 Instrument ID: HP5973N Calib Start Date: 10/09/2013 23:33
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 10/10/2013 01:48
 Lab File ID: N2050.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
Toluene	Ave	1.039	1.120	0.4000	26.9	25.0	7.8	20.0
trans-1,3-Dichloropropene	Ave	0.6085	0.6306	0.1000	25.9	25.0	3.6	20.0
Ethyl methacrylate	Ave	0.6067	0.6213		25.6	25.0	2.4	20.0
1,1,2-Trichloroethane	Ave	0.2973	0.3107	0.1000	26.1	25.0	4.5	20.0
Tetrachloroethene	Ave	0.4113	0.4530	0.2000	27.5	25.0	10.1	20.0
1,3-Dichloropropane	Ave	0.6598	0.7023		26.6	25.0	6.4	20.0
2-Hexanone	Ave	0.3048	0.3246	0.1000	133	125	6.5	20.0
Dibromochloromethane	Ave	0.3507	0.3654	0.1000	26.0	25.0	4.2	20.0
1,2-Dibromoethane	Ave	0.3666	0.3912		26.7	25.0	6.7	20.0
Chlorobenzene	Ave	1.115	1.203	0.5000	27.0	25.0	7.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3609	0.3795		26.3	25.0	5.1	20.0
Ethylbenzene	Ave	1.834	1.963	0.1000	26.8	25.0	7.1	20.0
m,p-Xylene	Ave	0.7477	0.8069	0.1000	54.0	50.0	7.9	20.0
o-Xylene	Ave	0.7503	0.8137	0.3000	27.1	25.0	8.4	20.0
Styrene	Ave	1.246	1.349	0.3000	27.0	25.0	8.2	50.0
Bromoform	Lin1		0.2061	0.1000	21.9	25.0	-12.3	20.0
Isopropylbenzene	Ave	3.805	4.136	0.1000	27.2	25.0	8.7	20.0
Bromobenzene	Ave	0.9343	1.003		26.8	25.0	7.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9899	1.036	0.3000	26.2	25.0	4.7	20.0
1,2,3-Trichloropropane	Ave	0.2998	0.3152		26.3	25.0	5.1	20.0
N-Propylbenzene	Ave	4.259	4.633		27.2	25.0	8.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2238	0.2120		118	125	-5.3	20.0
2-Chlorotoluene	Ave	0.9092	0.9637		26.5	25.0	6.0	20.0
1,3,5-Trimethylbenzene	Ave	3.109	3.397		27.3	25.0	9.3	20.0
4-Chlorotoluene	Ave	2.966	3.151		26.6	25.0	6.2	20.0
tert-Butylbenzene	Ave	0.6934	0.7503		27.1	25.0	8.2	50.0
1,2,4-Trimethylbenzene	Ave	3.043	3.289		27.0	25.0	8.1	20.0
sec-Butylbenzene	Ave	3.851	4.226		27.4	25.0	9.7	20.0
1,3-Dichlorobenzene	Ave	1.781	1.903	0.6000	26.7	25.0	6.8	20.0
4-Isopropyltoluene	Ave	3.241	3.526		27.2	25.0	8.8	20.0
1,4-Dichlorobenzene	Ave	1.776	1.892	0.5000	26.6	25.0	6.5	20.0
n-Butylbenzene	Ave	2.747	2.944		26.8	25.0	7.2	20.0
1,2-Dichlorobenzene	Ave	1.613	1.761	0.4000	27.3	25.0	9.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1415	0.1461	0.0500	25.8	25.0	3.2	20.0
1,2,4-Trichlorobenzene	Ave	0.9402	0.998	0.2000	26.5	25.0	6.1	20.0
Hexachlorobutadiene	Ave	0.4513	0.4433		24.6	25.0	-1.8	20.0
Naphthalene	Ave	2.467	2.502		25.4	25.0	1.4	20.0
1,2,3-Trichlorobenzene	Ave	0.8271	0.8283		25.0	25.0	0.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3662	0.3639		24.8	25.0	-0.6	20.0
Toluene-d8 (Surr)	Ave	1.447	1.462		25.3	25.0	1.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4208	0.4194		24.9	25.0	-0.3	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2050.D
 Lims ID: CCVIS Lab Sample ID:
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 21-Oct-2013 09:41:30 ALS Bottle#: 29 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0026414-003
 Operator ID: LH Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub7
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 10:30:50 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK016

First Level Reviewer: Hilll

Date: 21-Oct-2013 10:30:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.436	4.436	0.0	91	390529	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	329601	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	71	161268	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	51	177646	24.8	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	80	602150	25.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	172780	24.9	
11 Dichlorodifluoromethane	85	0.902	0.902	0.0	87	145810	26.5	
13 Chloromethane	50	0.999	0.999	0.0	89	175010	26.6	
14 Vinyl chloride	62	1.066	1.066	0.0	98	173980	29.1	
15 Bromomethane	94	1.249	1.249	0.0	90	71772	27.2	
16 Chloroethane	64	1.316	1.316	0.0	93	94601	35.9	
18 Trichlorofluoromethane	101	1.449	1.449	0.0	83	175949	33.1	
20 Acrolein	56	1.772	1.772	0.0	94	497365	1185.4	
22 1,1-Dichloroethene	96	1.808	1.808	0.0	89	133028	28.9	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	1.821	1.821	0.0	82	114265	26.7	
23 Acetone	43	1.906	1.906	0.0	98	276527	141.1	
24 Iodomethane	142	1.924	1.924	0.0	97	190004	27.8	
25 Carbon disulfide	76	1.954	1.954	0.0	98	430779	24.5	
29 Acetonitrile	40	2.149	2.149	0.0	100	488028	1162.8	
28 Methyl acetate	43	2.155	2.155	0.0	96	194768	25.9	
30 Methylene Chloride	84	2.228	2.228	0.0	83	182329	26.3	
33 trans-1,2-Dichloroethene	96	2.429	2.429	0.0	63	175634	27.6	
32 Methyl tert-butyl ether	73	2.435	2.435	0.0	89	570288	25.6	
34 Acrylonitrile	53	2.478	2.478	0.0	97	347752	130.4	
36 1,1-Dichloroethane	63	2.800	2.800	0.0	85	323975	27.1	
39 Vinyl acetate	43	2.867	2.867	0.0	98	1598028	131.8	
42 2,2-Dichloropropane	77	3.281	3.281	0.0	87	191768	26.8	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	65	190253	26.8	
44 2-Butanone (MEK)	43	3.366	3.366	0.0	98	459112	136.4	
47 Chlorobromomethane	128	3.530	3.530	0.0	92	93166	26.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.560	3.560	0.0	86	310762	131.8	
50 Chloroform	83	3.615	3.615	0.0	76	292249	26.6	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	87	233831	26.9	
52 Cyclohexane	56	3.719	3.719	0.0	89	280202	23.5	
53 Carbon tetrachloride	117	3.846	3.846	0.0	80	201255	26.3	
54 1,1-Dichloropropene	75	3.865	3.865	0.0	96	255474	27.1	
55 Benzene	78	4.047	4.047	0.0	97	723691	27.1	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	91	234256	26.7	
60 Trichloroethene	95	4.643	4.643	0.0	91	169296	26.7	
62 Methylcyclohexane	83	4.759	4.759	0.0	89	298495	25.0	
63 1,2-Dichloropropane	63	4.868	4.868	0.0	95	183131	25.9	
64 Dibromomethane	93	4.996	4.996	0.0	90	103322	26.3	
67 Dichlorobromomethane	83	5.160	5.160	0.0	88	206489	25.5	
69 2-Chloroethyl vinyl ether	63	5.459	5.459	0.0	93	603507	128.3	
71 cis-1,3-Dichloropropene	75	5.568	5.568	0.0	91	293932	26.4	
72 4-Methyl-2-pentanone (MIBK)	43	5.732	5.732	0.0	95	927908	130.0	
73 Toluene	92	5.842	5.842	0.0	92	461434	26.9	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	89	259786	25.9	
77 Ethyl methacrylate	69	6.219	6.219	0.0	89	255984	25.6	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	86	128002	26.1	
79 Tetrachloroethene	166	6.359	6.359	0.0	87	186637	27.5	
80 1,3-Dichloropropane	76	6.462	6.462	0.0	86	289366	26.6	
82 2-Hexanone	43	6.560	6.560	0.0	94	668607	133.1	
83 Chlorodibromomethane	129	6.687	6.687	0.0	86	150542	26.0	
84 Ethylene Dibromide	107	6.767	6.767	0.0	99	161170	26.7	
85 Chlorobenzene	112	7.253	7.253	0.0	94	495621	27.0	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	84	156345	26.3	
88 Ethylbenzene	91	7.363	7.363	0.0	98	808916	26.8	
90 m-Xylene & p-Xylene	106	7.484	7.484	0.0	98	664846	54.0	
91 o-Xylene	106	7.892	7.892	0.0	95	335227	27.1	
92 Styrene	104	7.928	7.928	0.0	94	555635	27.0	
93 Bromoform	173	8.147	8.147	0.0	96	84919	21.9	
95 Isopropylbenzene	105	8.287	8.287	0.0	96	833799	27.2	
97 Bromobenzene	156	8.604	8.604	0.0	92	202205	26.8	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	89	208880	26.2	
99 1,2,3-Trichloropropane	110	8.719	8.719	0.0	76	63545	26.3	
100 N-Propylbenzene	91	8.725	8.725	0.0	97	934035	27.2	
101 trans-1,4-Dichloro-2-butene	53	8.750	8.750	0.0	85	213699	118.4	
102 2-Chlorotoluene	126	8.811	8.811	0.0	96	194263	26.5	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	90	684882	27.3	
105 4-Chlorotoluene	91	8.932	8.932	0.0	99	635221	26.6	
106 tert-Butylbenzene	134	9.261	9.261	0.0	90	151253	27.1	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	89	662919	27.0	
109 sec-Butylbenzene	105	9.498	9.498	0.0	94	851887	27.4	
110 1,3-Dichlorobenzene	146	9.614	9.614	0.0	96	383546	26.7	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	87	710726	27.2	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	89	381376	26.6	
115 n-Butylbenzene	91	10.076	10.076	0.0	93	593457	26.8	
116 1,2-Dichlorobenzene	146	10.082	10.082	0.0	97	355089	27.3	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	70	29441	25.8	
119 1,2,4-Trichlorobenzene	180	11.560	11.560	0.0	94	201174	26.5	
120 Hexachlorobutadiene	225	11.700	11.700	0.0	94	89365	24.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.767	11.767	0.0	97	504363	25.4	
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	94	166964	25.0	
S 125 Total BTEX	1				0		161.9	
S 126 Xylenes, Total	1				0		81.1	
S 123 1,3-Dichloropropene, Total	1				0		52.3	
S 124 1,2-Dichloroethene, Total	1				0		54.4	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2050.D

Injection Date: 21-Oct-2013 09:41:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: CCVIS

Lab Sample ID:

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

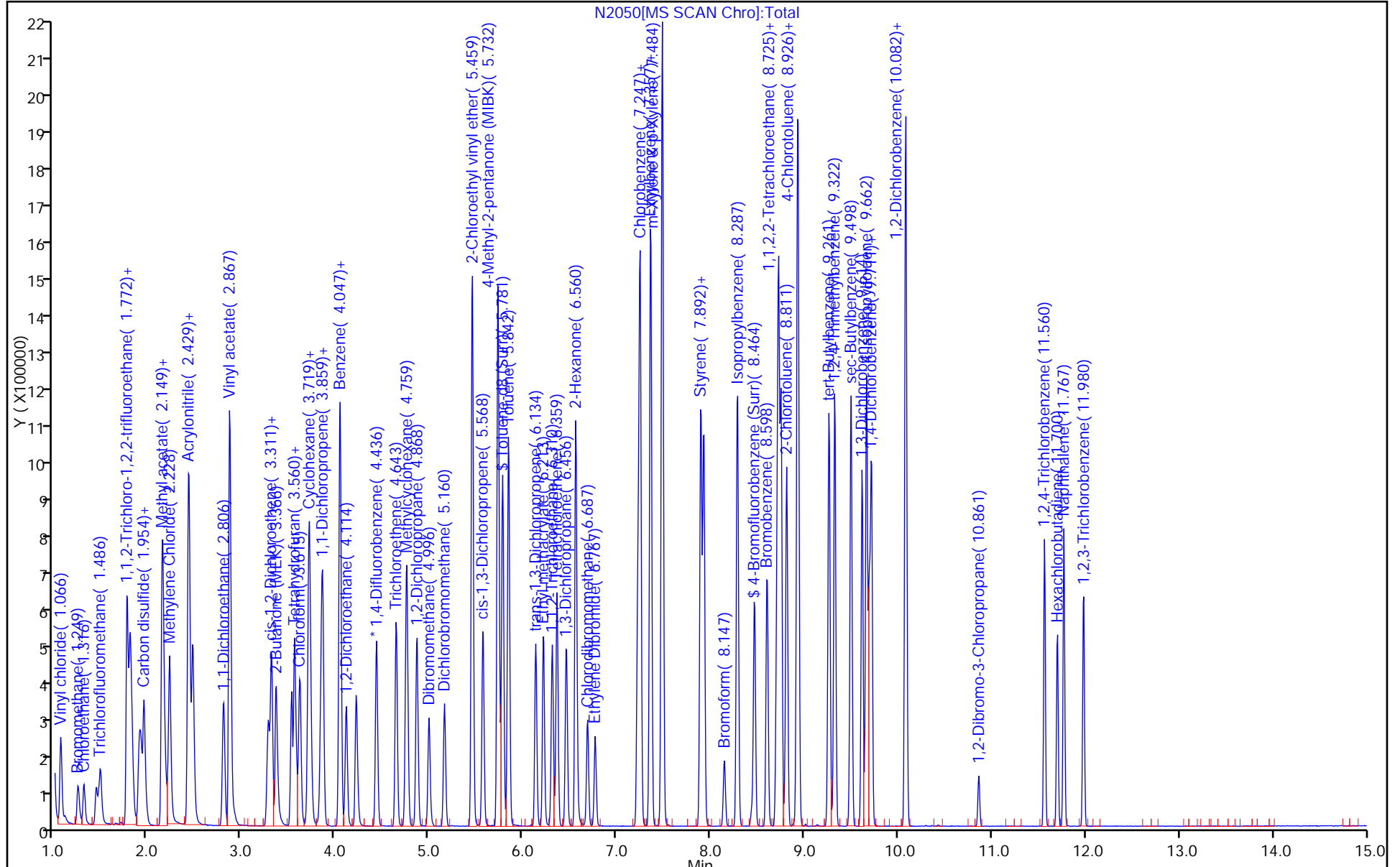
Dil. Factor: 1.0000

ALS Bottle#: 29

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-146447/2 Calibration Date: 10/21/2013 21:19
 Instrument ID: HP5973N Calib Start Date: 10/09/2013 23:33
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 10/10/2013 01:48
 Lab File ID: N2076.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	0.2814	0.2983	0.1000	26.5	25.0	6.0	20.0
Chloromethane	Ave	0.3365	0.3595	0.1000	26.7	25.0	6.9	20.0
Vinyl chloride	Ave	0.3066	0.3507	0.1000	28.6	25.0	14.4	20.0
Bromomethane	Ave	0.1349	0.1581	0.1000	29.3	25.0	17.2	20.0
Chloroethane	Ave	0.1349	0.1922	0.1000	35.6	25.0	42.5*	20.0
Trichlorofluoromethane	Ave	0.2723	0.3385	0.1000	31.1	25.0	24.3*	20.0
Acrolein	Ave	0.0215	0.0505		1170	500	134.8*	20.0
1,1-Dichloroethene	Ave	0.2359	0.2680	0.1000	28.4	25.0	13.6	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2190	0.2439	0.1000	27.8	25.0	11.4	20.0
Acetone	Ave	0.1003	0.1149	0.1000	143	125	14.5	20.0
Iodomethane	Ave	0.3501	0.3792		27.1	25.0	8.3	20.0
Carbon disulfide	Ave	0.9002	0.8627	0.1000	24.0	25.0	-4.2	20.0
Acetonitrile	Ave	0.0215	0.0234		1090	1000	8.7	20.0
Methyl acetate	Lin1		0.3885	0.1000	25.2	25.0	0.9	20.0
Methylene Chloride	Ave	0.3556	0.3663	0.1000	25.8	25.0	3.0	20.0
Methyl tert-butyl ether	Ave	1.142	1.154	0.1000	25.3	25.0	1.1	20.0
trans-1,2-Dichloroethene	Ave	0.3262	0.3534	0.1000	27.1	25.0	8.4	20.0
Acrylonitrile	Ave	0.1365	0.1396		128	125	2.2	20.0
1,1-Dichloroethane	Ave	0.6129	0.6582	0.2000	26.8	25.0	7.4	20.0
Vinyl acetate	Ave	0.6210	0.6432		129	125	3.6	20.0
2,2-Dichloropropane	Ave	0.3662	0.3532		24.1	25.0	-3.5	20.0
cis-1,2-Dichloroethene	Ave	0.3637	0.3862	0.1000	26.5	25.0	6.2	20.0
2-Butanone (MEK)	Ave	0.1724	0.1835	0.1000	133	125	6.4	20.0
Chlorobromomethane	Ave	0.1782	0.1862		26.1	25.0	4.5	20.0
Tetrahydrofuran	Lin1		0.1257		130	125	4.0	20.0
Chloroform	Ave	0.5622	0.5781	0.2000	25.7	25.0	2.8	20.0
1,1,1-Trichloroethane	Ave	0.4449	0.4523	0.1000	25.4	25.0	1.6	20.0
Cyclohexane	Ave	0.6103	0.5703	0.1000	23.4	25.0	-6.6	20.0
Carbon tetrachloride	Ave	0.3924	0.3923	0.1000	25.0	25.0	-0.0	20.0
1,1-Dichloropropene	Ave	0.4828	0.4981		25.8	25.0	3.2	20.0
Benzene	Ave	1.366	1.466	0.5000	26.8	25.0	7.3	20.0
1,2-Dichloroethane	Ave	0.4490	0.4668	0.1000	26.0	25.0	3.9	20.0
Trichloroethene	Ave	0.3250	0.3355	0.2000	25.8	25.0	3.2	20.0
Methylcyclohexane	Ave	0.6108	0.6245	0.1000	25.6	25.0	2.2	20.0
1,2-Dichloropropane	Ave	0.3626	0.3679	0.1000	25.4	25.0	1.5	20.0
Dibromomethane	Ave	0.2009	0.2092	0.1000	26.0	25.0	4.2	20.0
Bromodichloromethane	Ave	0.4144	0.4033	0.2000	24.3	25.0	-2.7	20.0
2-Chloroethyl vinyl ether	Ave	0.2410	0.2481		129	125	2.9	20.0
cis-1,3-Dichloropropene	Ave	0.5706	0.5776	0.2000	25.3	25.0	1.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4330	0.4360	0.1000	126	125	0.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-146447/2 Calibration Date: 10/21/2013 21:19
 Instrument ID: HP5973N Calib Start Date: 10/09/2013 23:33
 GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 10/10/2013 01:48
 Lab File ID: N2076.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
Toluene	Ave	1.039	1.087	0.4000	26.1	25.0	4.6	20.0
trans-1,3-Dichloropropene	Ave	0.6085	0.6118	0.1000	25.1	25.0	0.5	20.0
Ethyl methacrylate	Ave	0.6067	0.6061		25.0	25.0	-0.1	20.0
1,1,2-Trichloroethane	Ave	0.2973	0.3055	0.1000	25.7	25.0	2.7	20.0
Tetrachloroethene	Ave	0.4113	0.4348	0.2000	26.4	25.0	5.7	20.0
1,3-Dichloropropane	Ave	0.6598	0.6761		25.6	25.0	2.5	20.0
2-Hexanone	Ave	0.3048	0.3161	0.1000	130	125	3.7	20.0
Dibromochloromethane	Ave	0.3507	0.3516	0.1000	25.1	25.0	0.3	20.0
1,2-Dibromoethane	Ave	0.3666	0.3792		25.9	25.0	3.4	20.0
Chlorobenzene	Ave	1.115	1.179	0.5000	26.4	25.0	5.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3609	0.3658		25.3	25.0	1.4	20.0
Ethylbenzene	Ave	1.834	1.922	0.1000	26.2	25.0	4.8	20.0
m,p-Xylene	Ave	0.7477	0.7896	0.1000	52.8	50.0	5.6	20.0
o-Xylene	Ave	0.7503	0.8037	0.3000	26.8	25.0	7.1	20.0
Styrene	Ave	1.246	1.307	0.3000	26.2	25.0	4.8	50.0
Bromoform	Lin1		0.1917	0.1000	20.4	25.0	-18.3	20.0
Isopropylbenzene	Ave	3.805	3.937	0.1000	25.9	25.0	3.5	20.0
Bromobenzene	Ave	0.9343	0.9569		25.6	25.0	2.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9899	0.9866	0.3000	24.9	25.0	-0.3	20.0
1,2,3-Trichloropropane	Ave	0.2998	0.3004		25.0	25.0	0.2	20.0
N-Propylbenzene	Ave	4.259	4.373		25.7	25.0	2.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2238	0.2043		114	125	-8.7	20.0
2-Chlorotoluene	Ave	0.9092	0.9455		26.0	25.0	4.0	20.0
1,3,5-Trimethylbenzene	Ave	3.109	3.275		26.3	25.0	5.3	20.0
4-Chlorotoluene	Ave	2.966	3.035		25.6	25.0	2.3	20.0
tert-Butylbenzene	Ave	0.6934	0.7271		26.2	25.0	4.9	50.0
1,2,4-Trimethylbenzene	Ave	3.043	3.197		26.3	25.0	5.1	20.0
sec-Butylbenzene	Ave	3.851	4.061		26.4	25.0	5.5	20.0
1,3-Dichlorobenzene	Ave	1.781	1.849	0.6000	26.0	25.0	3.8	20.0
4-Isopropyltoluene	Ave	3.241	3.427		26.4	25.0	5.7	20.0
1,4-Dichlorobenzene	Ave	1.776	1.823	0.5000	25.7	25.0	2.6	20.0
n-Butylbenzene	Ave	2.747	2.871		26.1	25.0	4.5	20.0
1,2-Dichlorobenzene	Ave	1.613	1.712	0.4000	26.5	25.0	6.1	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1415	0.1373	0.0500	24.3	25.0	-2.9	20.0
1,2,4-Trichlorobenzene	Ave	0.9402	1.003	0.2000	26.7	25.0	6.7	20.0
Hexachlorobutadiene	Ave	0.4513	0.4528		25.1	25.0	0.3	20.0
Naphthalene	Ave	2.467	2.473		25.1	25.0	0.2	20.0
1,2,3-Trichlorobenzene	Ave	0.8271	0.8402		25.4	25.0	1.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3662	0.3641		24.9	25.0	-0.6	20.0
Toluene-d8 (Surr)	Ave	1.447	1.463		25.3	25.0	1.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4208	0.4145		24.6	25.0	-1.5	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2076.D
 Lims ID: CCVIS Lab Sample ID:
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 21-Oct-2013 21:19:30 ALS Bottle#: 55 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0026435-002
 Operator ID: RAL Instrument ID: HP5973N
 Sublist: chrom-N-8260*sub7
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 21:53:11 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK051

First Level Reviewer: larsonr

Date: 21-Oct-2013 21:53:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	378697	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	319212	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	72	159606	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	50	172362	24.9	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	80	583787	25.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	165400	24.6	
11 Dichlorodifluoromethane	85	0.908	0.908	0.0	87	141194	26.5	
13 Chloromethane	50	0.993	0.993	0.0	88	170185	26.7	
14 Vinyl chloride	62	1.066	1.066	0.0	84	166013	28.6	
15 Bromomethane	94	1.255	1.255	0.0	88	74849	29.3	
16 Chloroethane	64	1.322	1.322	0.0	95	90986	35.6	
18 Trichlorofluoromethane	101	1.450	1.450	0.0	83	160249	31.1	
20 Acrolein	56	1.778	1.778	0.0	94	477672	1174.1	
22 1,1-Dichloroethene	96	1.809	1.809	0.0	86	126857	28.4	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.827	1.827	0.0	89	115441	27.8	
23 Acetone	43	1.906	1.906	0.0	98	271895	143.1	
24 Iodomethane	142	1.924	1.924	0.0	97	179511	27.1	
25 Carbon disulfide	76	1.955	1.955	0.0	98	408356	24.0	
29 Acetonitrile	40	2.155	2.155	0.0	100	442545	1087.4	
28 Methyl acetate	43	2.161	2.161	0.0	95	183912	25.2	
30 Methylene Chloride	84	2.228	2.228	0.0	83	173399	25.8	
33 trans-1,2-Dichloroethene	96	2.435	2.435	0.0	63	167298	27.1	
32 Methyl tert-butyl ether	73	2.435	2.435	0.0	90	546325	25.3	
34 Acrylonitrile	53	2.478	2.478	0.0	96	330291	127.8	
36 1,1-Dichloroethane	63	2.806	2.806	0.0	85	311550	26.8	
39 Vinyl acetate	43	2.873	2.873	0.0	98	1522432	129.5	
42 2,2-Dichloropropane	77	3.281	3.281	0.0	88	167211	24.1	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	66	182807	26.5	
44 2-Butanone (MEK)	43	3.366	3.366	0.0	98	434399	133.0	
47 Chlorobromomethane	128	3.530	3.530	0.0	92	88142	26.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.561	3.561	0.0	86	297468	130.0	
50 Chloroform	83	3.621	3.621	0.0	72	273654	25.7	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	88	214086	25.4	
52 Cyclohexane	56	3.719	3.719	0.0	89	269960	23.4	
53 Carbon tetrachloride	117	3.847	3.847	0.0	81	185682	25.0	
54 1,1-Dichloropropene	75	3.865	3.865	0.0	95	235778	25.8	
55 Benzene	78	4.047	4.047	0.0	97	694062	26.8	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	91	220947	26.0	
60 Trichloroethene	95	4.643	4.643	0.0	91	158835	25.8	
62 Methylcyclohexane	83	4.759	4.759	0.0	87	295624	25.6	
63 1,2-Dichloropropane	63	4.869	4.869	0.0	96	174170	25.4	
64 Dibromomethane	93	4.996	4.996	0.0	90	99048	26.0	
67 Dichlorobromomethane	83	5.161	5.161	0.0	88	190926	24.3	
69 2-Chloroethyl vinyl ether	63	5.459	5.459	0.0	92	587148	128.7	
71 cis-1,3-Dichloropropene	75	5.574	5.574	0.0	92	273413	25.3	
72 4-Methyl-2-pentanone (MIBK)	43	5.732	5.732	0.0	95	869778	125.9	
73 Toluene	92	5.842	5.842	0.0	93	433687	26.1	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	89	244106	25.1	
77 Ethyl methacrylate	69	6.219	6.219	0.0	89	241846	25.0	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	85	121901	25.7	
79 Tetrachloroethene	166	6.359	6.359	0.0	89	173481	26.4	
80 1,3-Dichloropropane	76	6.462	6.462	0.0	89	269773	25.6	
82 2-Hexanone	43	6.560	6.560	0.0	93	630662	129.6	
83 Chlorodibromomethane	129	6.688	6.688	0.0	85	140304	25.1	
84 Ethylene Dibromide	107	6.767	6.767	0.0	96	151310	25.9	
85 Chlorobenzene	112	7.253	7.253	0.0	93	470497	26.4	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	83	145961	25.3	
88 Ethylbenzene	91	7.363	7.363	0.0	98	766952	26.2	
90 m-Xylene & p-Xylene	106	7.484	7.484	0.0	98	630081	52.8	
91 o-Xylene	106	7.892	7.892	0.0	96	320689	26.8	
92 Styrene	104	7.929	7.929	0.0	94	521365	26.2	
93 Bromoform	173	8.148	8.148	0.0	96	76484	20.4	
95 Isopropylbenzene	105	8.288	8.288	0.0	95	785555	25.9	
97 Bromobenzene	156	8.604	8.604	0.0	93	190903	25.6	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	88	196832	24.9	
99 1,2,3-Trichloropropane	110	8.719	8.719	0.0	80	59922	25.0	
100 N-Propylbenzene	91	8.726	8.726	0.0	97	872507	25.7	
101 trans-1,4-Dichloro-2-butene	53	8.750	8.750	0.0	85	203789	114.1	
102 2-Chlorotoluene	126	8.811	8.811	0.0	96	188638	26.0	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	92	653302	26.3	
105 4-Chlorotoluene	91	8.932	8.932	0.0	99	605533	25.6	
106 tert-Butylbenzene	134	9.261	9.261	0.0	90	145056	26.2	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	91	637832	26.3	
109 sec-Butylbenzene	105	9.498	9.498	0.0	93	810287	26.4	
110 1,3-Dichlorobenzene	146	9.614	9.614	0.0	96	368901	26.0	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	88	683736	26.4	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	88	363766	25.7	
115 n-Butylbenzene	91	10.076	10.076	0.0	93	572855	26.1	
116 1,2-Dichlorobenzene	146	10.082	10.082	0.0	97	341470	26.5	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	72	27399	24.3	
119 1,2,4-Trichlorobenzene	180	11.560	11.560	0.0	94	200151	26.7	
120 Hexachlorobutadiene	225	11.700	11.700	0.0	94	90345	25.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.767	11.767	0.0	97	493335	25.1	
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	95	167616	25.4	
S 125 Total BTEX	1				0		158.8	
S 126 Xylenes, Total	1				0		79.6	
S 123 1,3-Dichloropropene, Total	1				0		50.4	
S 124 1,2-Dichloroethene, Total	1				0		53.6	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2076.D

Injection Date: 21-Oct-2013 21:19:30

Instrument ID: HP5973N

Operator ID: RAL

Lims ID: CCVIS

Lab Sample ID:

Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL

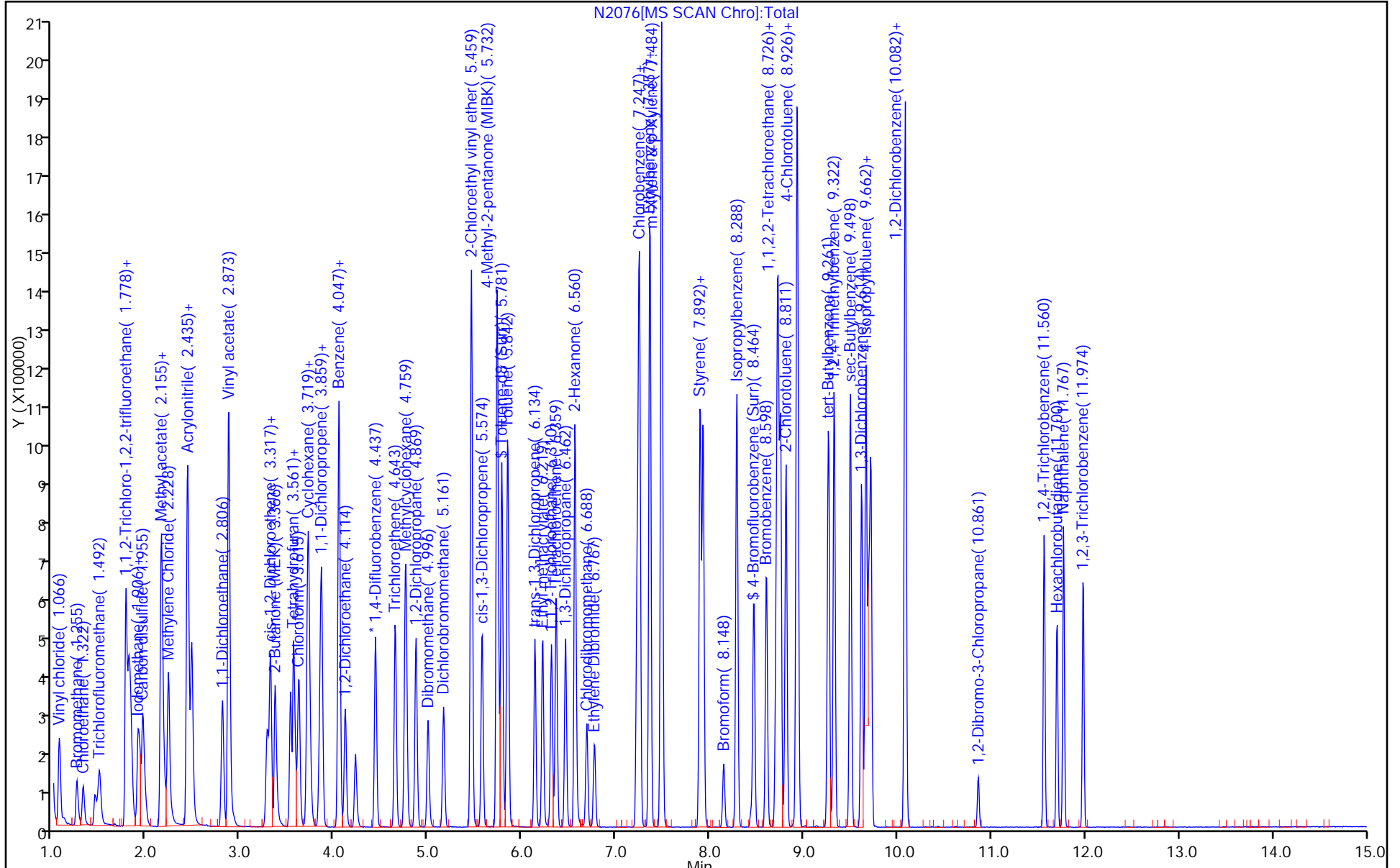
Dil. Factor: 1.0000

ALS Bottle#: 55

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1544.D
 Lims ID: BFB Lab Sample ID:
 Client ID:
 Sample Type: BFB
 Inject. Date: 09-Oct-2013 22:47:30 ALS Bottle#: 14 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0026052-002
 Operator ID: RAL Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 09-Oct-2013 22:56:14 Calib Date: 09-Oct-2013 17:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131009-26048.b\N1538.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK001

First Level Reviewer: larsonr Date: 09-Oct-2013 22:56:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
\$ 4 BFB	95	3.224	3.224	0.0	84	169307	0	7

QC Flag Legend

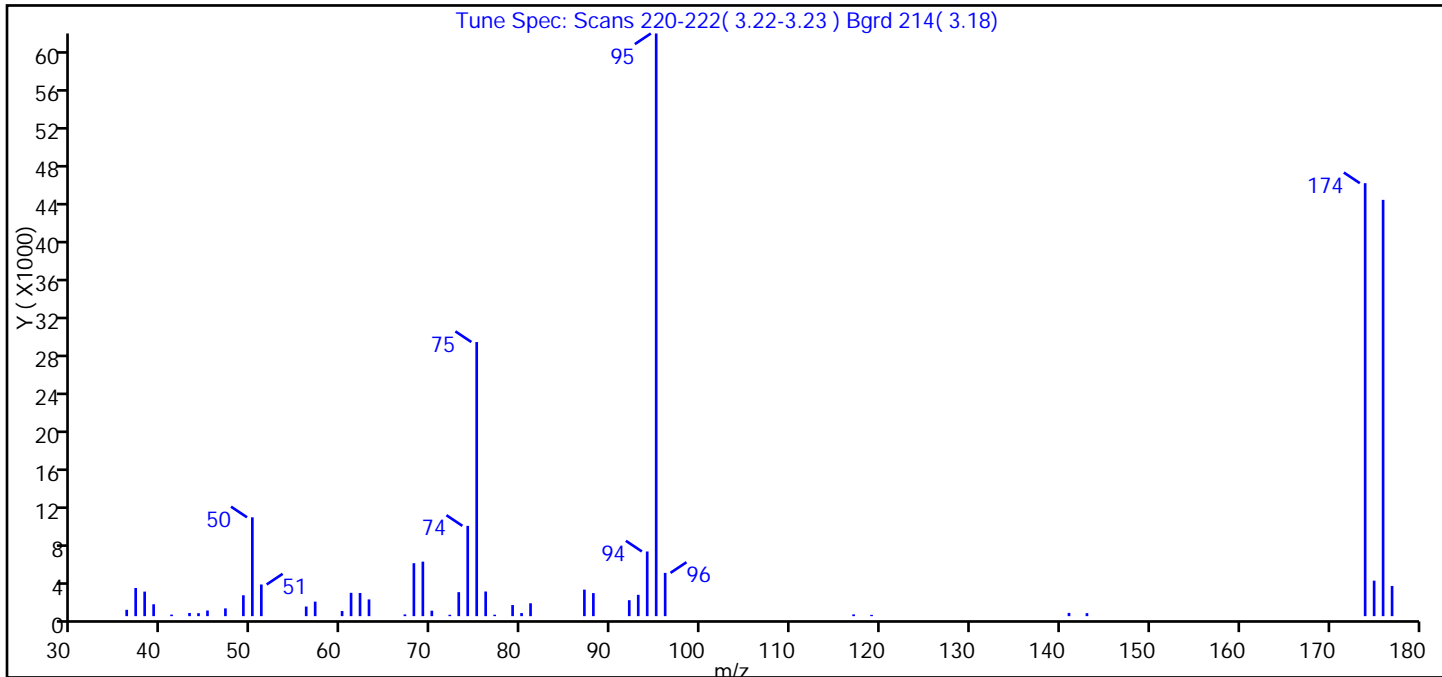
Processing Flags

7 - Failed Limit of Detection

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1544.D
 Injection Date: 09-Oct-2013 22:47:30 Instrument ID: HP5973N
 Lims ID: BFB Lab Sample ID:
 Client ID:
 Operator ID: RAL ALS Bottle#: 14 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Method: N-8260 Limit Group: MV - 8260C ICAL
 Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.96
75	30.00 - 60.00% of mass 95	47.04
96	5.00 - 9.00% of mass 95	7.43
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	74.31
175	5.00 - 9.00% of mass 174	6.09 (8.20)
176	95.00 - 101.00% of mass 174	71.44 (96.15)
177	5.00 - 9.00% of mass 176	5.18 (7.25)

Data File: \\Bufchrom\ChromData\HP5973N\20131009-26052.b\N1544.D\N-8260.rsl\spectra.d

Injection Date: 09-Oct-2013 22:47:30

Spectrum: Tune Spec: Scans 220-222(3.22-3.23) Bgrd 214(3.18)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 46

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	665	56.00	1011	74.00	9480	95.00	61184
37.00	2956	57.00	1524	75.00	28784	96.00	4543
38.00	2577	60.00	537	76.00	2588	117.00	186
39.00	1249	61.00	2451	77.00	152	119.00	136
41.00	161	62.00	2433	79.00	1165	141.00	342
43.00	334	63.00	1757	80.00	324	143.00	315
44.00	312	67.00	182	81.00	1352	174.00	45464
45.00	593	68.00	5559	87.00	2784	175.00	3727
47.00	814	69.00	5724	88.00	2419	176.00	43712
49.00	2193	70.00	571	92.00	1675	177.00	3171
50.00	10378	72.00	144	93.00	2237		
51.00	3324	73.00	2520	94.00	6790		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2049.D
 Lims ID: BFB Lab Sample ID:
 Client ID:
 Sample Type: BFB
 Inject. Date: 21-Oct-2013 09:16:30 ALS Bottle#: 28 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0026414-002
 Operator ID: NQ Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 09:26:51 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK016

First Level Reviewer: HillL Date: 21-Oct-2013 09:26:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
\$ 4 BFB	95	3.230	3.230	0.0	85	196641	0	7

QC Flag Legend

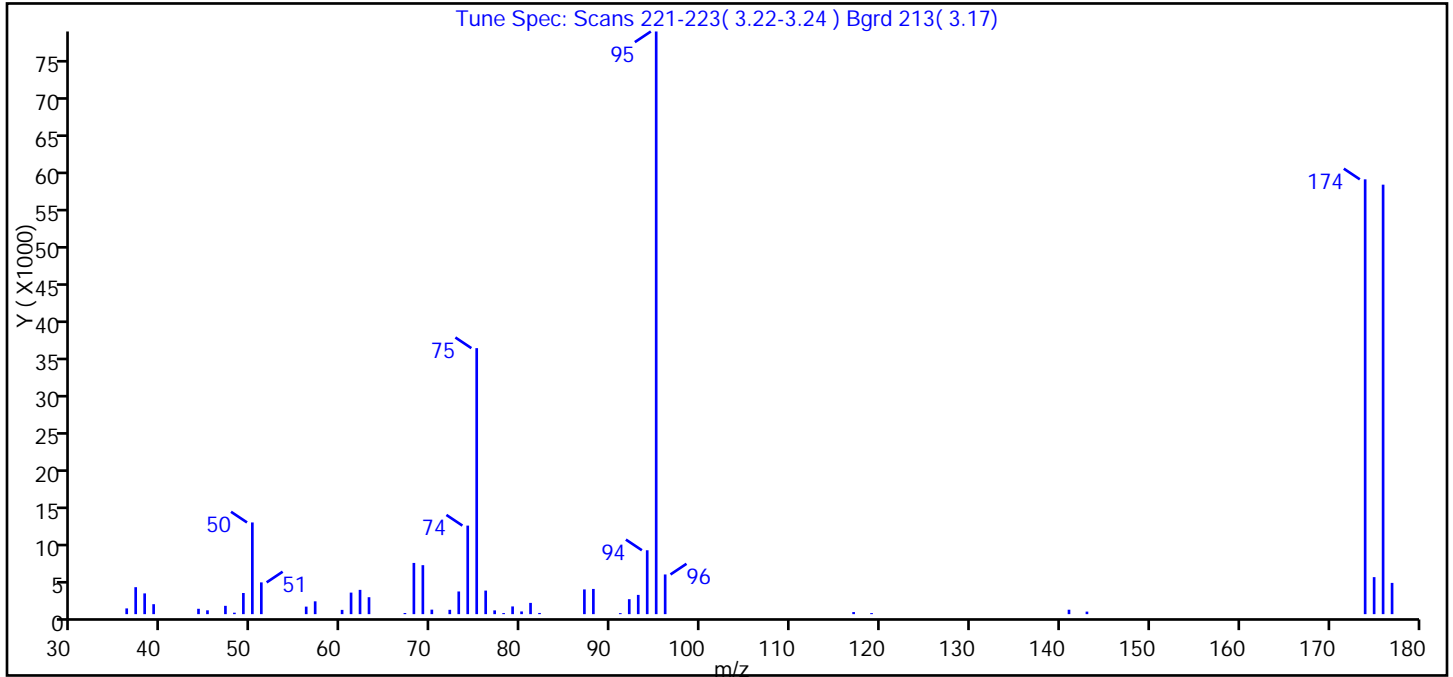
Processing Flags

7 - Failed Limit of Detection

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2049.D
 Injection Date: 21-Oct-2013 09:16:30 Instrument ID: HP5973N
 Lims ID: BFB Lab Sample ID:
 Client ID:
 Operator ID: NQ ALS Bottle#: 28 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Method: N-8260 Limit Group: MV - 8260C ICAL
 Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.74
75	30.00 - 60.00% of mass 95	45.65
96	5.00 - 9.00% of mass 95	6.81
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	74.62
175	5.00 - 9.00% of mass 174	6.35 (8.51)
176	95.00 - 101.00% of mass 174	73.71 (98.77)
177	5.00 - 9.00% of mass 176	5.36 (7.28)

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2049.D\N-8260.rsl\spectra.d

Injection Date: 21-Oct-2013 09:16:30

Spectrum: Tune Spec: Scans 221-223(3.22-3.24) Bgrd 213(3.17)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	776	57.00	1732	75.00	35952	93.00	2601
37.00	3645	60.00	576	76.00	3184	94.00	8635
38.00	2804	61.00	2912	77.00	509	95.00	78752
39.00	1346	62.00	3282	78.00	146	96.00	5364
44.00	725	63.00	2288	79.00	1043	117.00	282
45.00	516	67.00	153	80.00	364	119.00	142
47.00	1123	68.00	6922	81.00	1521	141.00	598
48.00	196	69.00	6620	82.00	160	143.00	343
49.00	2857	70.00	608	87.00	3342	174.00	58768
50.00	12394	72.00	585	88.00	3407	175.00	5003
51.00	4293	73.00	3064	91.00	135	176.00	58048
56.00	1017	74.00	11967	92.00	2021	177.00	4223

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2075.D
 Lims ID: BFB Lab Sample ID:
 Client ID:
 Sample Type: BFB
 Inject. Date: 21-Oct-2013 20:54:30 ALS Bottle#: 54 Worklist Smp#: 1
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0026435-001
 Operator ID: RAL Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 21:06:14 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK051

First Level Reviewer: larsonr Date: 21-Oct-2013 21:06:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
\$ 4 BFB	95	3.230	3.230	0.0	85	159752	0	7

QC Flag Legend

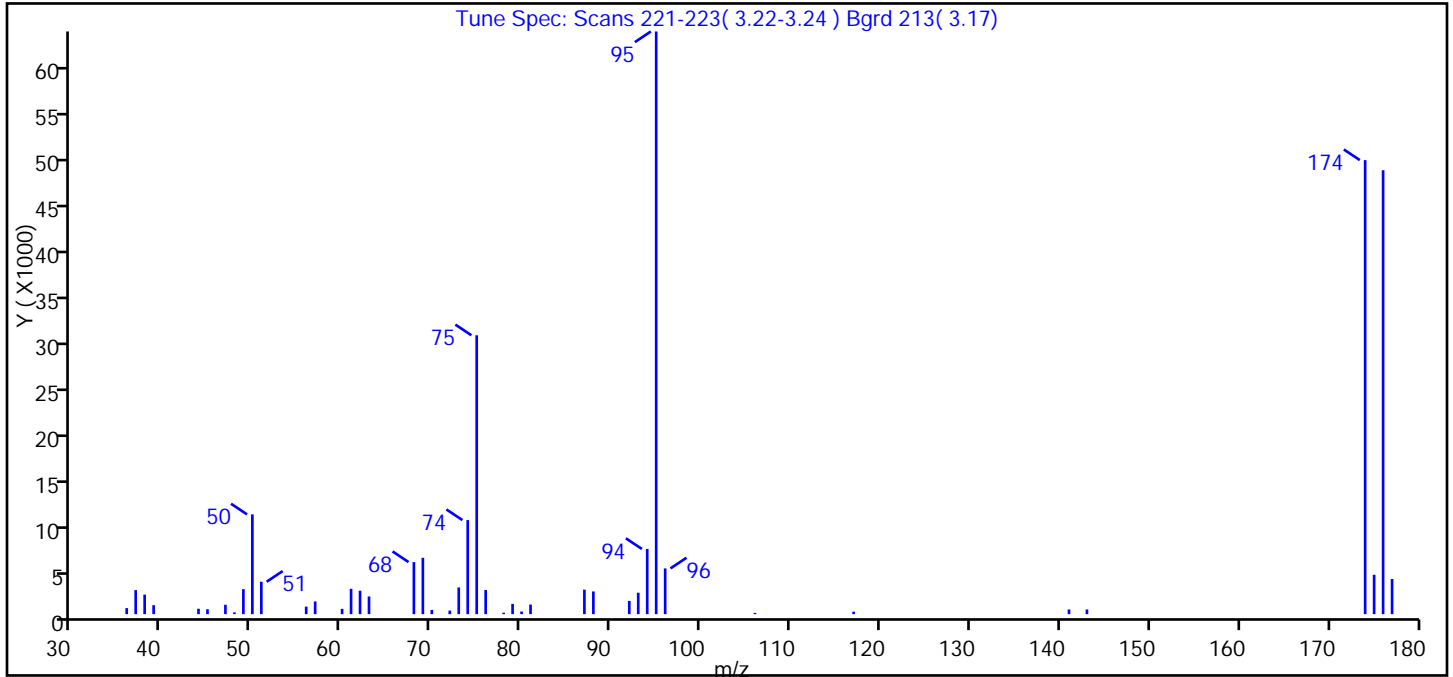
Processing Flags

7 - Failed Limit of Detection

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2075.D
 Injection Date: 21-Oct-2013 20:54:30 Instrument ID: HP5973N
 Lims ID: BFB Lab Sample ID:
 Client ID:
 Operator ID: RAL ALS Bottle#: 54 Worklist Smp#: 1
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Method: N-8260 Limit Group: MV - 8260C ICAL
 Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.12
75	30.00 - 60.00% of mass 95	47.86
96	5.00 - 9.00% of mass 95	7.85
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	77.92
175	5.00 - 9.00% of mass 174	6.76 (8.68)
176	95.00 - 101.00% of mass 174	76.19 (97.78)
177	5.00 - 9.00% of mass 176	6.03 (7.91)

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2075.D\N-8260.rsl\spectra.d

Injection Date: 21-Oct-2013 20:54:30

Spectrum: Tune Spec: Scans 221-223(3.22-3.24) Bgrd 213(3.17)

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	655	56.00	817	74.00	10207	94.00	7073
37.00	2608	57.00	1380	75.00	30264	95.00	63232
38.00	2122	60.00	572	76.00	2618	96.00	4963
39.00	972	61.00	2749	78.00	157	106.00	136
44.00	584	62.00	2541	79.00	1116	117.00	269
45.00	529	63.00	1917	80.00	283	141.00	506
47.00	1016	68.00	5650	81.00	1042	143.00	508
48.00	188	69.00	6117	87.00	2659	174.00	49272
49.00	2715	70.00	459	88.00	2466	175.00	4275
50.00	10826	72.00	386	92.00	1437	176.00	48176
51.00	3515	73.00	2898	93.00	2324	177.00	3810

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-146247/5
 Matrix: Water Lab File ID: N2052.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 10:41
 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.: 146247 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.: 480-47807-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-146247/5
 Matrix: Water Lab File ID: N2052.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 10:41
 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.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		66-137
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2052.D
 Lims ID: MB Lab Sample ID:
 Client ID:
 Sample Type: MB
 Inject. Date: 21-Oct-2013 10:41:30 ALS Bottle#: 31 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0026414-005
 Operator ID: LH Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 10:58:50 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK016

First Level Reviewer: HillL

Date: 21-Oct-2013 10:58:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.436	0.001	90	380530	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	319790	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	94	157107	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	87	175638	25.2	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	82	588856	25.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	165346	24.6	
11 Dichlorodifluoromethane	85		0.902					
12 Chlorodifluoromethane	51		0.920					
13 Chloromethane	50		0.999					
14 Vinyl chloride	62		1.066					
15 Bromomethane	94		1.249					
16 Chloroethane	64		1.316					
18 Trichlorofluoromethane	101		1.449					
17 Dichlorofluoromethane	67		1.456					
19 Ethyl ether	59		1.656					
81 Propene oxide	58		1.711					
20 Acrolein	56		1.772					
22 1,1-Dichloroethene	96		1.808					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		1.821					
23 Acetone	43		1.906					
24 Iodomethane	142		1.924					
25 Carbon disulfide	76		1.954					
26 Isopropyl alcohol	45		2.076					
27 3-Chloro-1-propene	41		2.107					
29 Acetonitrile	40		2.149					
28 Methyl acetate	43		2.155					
30 Methylene Chloride	84		2.228					
31 2-Methyl-2-propanol	59		2.405					
33 trans-1,2-Dichloroethene	96		2.429					
32 Methyl tert-butyl ether	73		2.435					
34 Acrylonitrile	53		2.478					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		2.624					
36 1,1-Dichloroethane	63		2.800					
37 Isopropyl ether	45		2.849					
38 2-Chloro-1,3-butadiene	53		2.861					
39 Vinyl acetate	43		2.867					
40 1,1-Dimethoxyethane	75		2.910					
41 Tert-butyl ethyl ether	59		3.159					
42 2,2-Dichloropropane	77		3.281					
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
45 Ethyl acetate	43		3.415					
46 Propionitrile	54		3.445					
47 Chlorobromomethane	128		3.530					
48 Methacrylonitrile	41		3.555					
49 Tetrahydrofuran	42		3.560					
50 Chloroform	83		3.615					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.846					
54 1,1-Dichloropropene	75		3.865					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.114					
56 Isobutyl alcohol	43		4.126					
58 Tert-amyl methyl ether	73		4.157					
59 n-Heptane	43		4.266					
60 Trichloroethene	95		4.643					
61 n-Butanol	56		4.735					
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.868					
64 Dibromomethane	93		4.996					
65 Methyl methacrylate	41		5.009					
66 1,4-Dioxane	88		5.033					
67 Dichlorobromomethane	83		5.160					
68 2-Nitropropane	43		5.404					
69 2-Chloroethyl vinyl ether	63		5.459					
70 Epichlorohydrin	57		5.526					
71 cis-1,3-Dichloropropene	75		5.568					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					
73 Toluene	92		5.842					
74 2-Methylthiophene	97		5.976					
75 trans-1,3-Dichloropropene	75		6.134					
76 3-Methylthiophene	97		6.134					
77 Ethyl methacrylate	69		6.219					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
80 1,3-Dichloropropane	76		6.462					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.687					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.253					
86 3-Chlorobenzotrifluoride	180		7.272					
87 4-Chlorobenzotrifluoride	180		7.332					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
89 1,1,1,2-Tetrachloroethane	131		7.357					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.928					
93 Bromoform	173		8.147					
94 2-Chlorobenzotrifluoride	180		8.221					
95 Isopropylbenzene	105		8.287					
96 Cyclohexanone	55		8.421					
97 Bromobenzene	156		8.604					
98 1,1,2,2-Tetrachloroethane	83		8.701					
99 1,2,3-Trichloropropane	110		8.719					
100 N-Propylbenzene	91		8.725					
101 trans-1,4-Dichloro-2-butene	53		8.750					
102 2-Chlorotoluene	126		8.811					
103 3-Chlorotoluene	126		8.884					
104 1,3,5-Trimethylbenzene	105		8.926					
105 4-Chlorotoluene	91		8.932					
106 tert-Butylbenzene	134		9.261					
107 Pentachloroethane	167		9.310					
108 1,2,4-Trimethylbenzene	105		9.322					
109 sec-Butylbenzene	105		9.498					
110 1,3-Dichlorobenzene	146		9.614					
111 4-Isopropyltoluene	119		9.662					
112 Dicyclopentadiene	66		9.687					
113 1,4-Dichlorobenzene	146		9.717					
114 1,2,3-Trimethylbenzene	105		9.760					
115 n-Butylbenzene	91		10.076					
116 1,2-Dichlorobenzene	146		10.082					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
118 1,3,5-Trichlorobenzene	180		11.007					
119 1,2,4-Trichlorobenzene	180		11.560					
120 Hexachlorobutadiene	225		11.700					
121 Naphthalene	128		11.767					
122 1,2,3-Trichlorobenzene	180		11.980					
138 1-Bromopropane	1		0.0					
133 Halothane	1		0.0					
131 Aziridine TIC	1		0.0					
136 Ethylene oxide TIC	1		0.0					
S 125 Total BTEX	1		30.000					
S 126 Xylenes, Total	1		30.000					
S 123 1,3-Dichloropropene, Total	1		30.000					
S 124 1,2-Dichloroethene, Total	1		30.000					
T 135 1-Bromopropane TIC	1		0.0					
T 134 bis(chloromethyl)ether TIC	1		0.0					
T 132 Bromoethane TIC	1		0.0					
T 130 Propene oxide TIC	1		0.0					
T 137 Pentachloroethane TIC	1		0.0					
T 127 Ethanol TIC	1		0.0					
T 10 Ethylene oxide	1		0.0					
T 129 tert-amyl alcohol TIC	1		0.0					
T 9 bis(2-chloromethyl)ether TIC	1		0.0					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
T 128 Hexachloroethane TIC	117		0.0					

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2052.D

Injection Date: 21-Oct-2013 10:41:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: MB

Lab Sample ID:

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

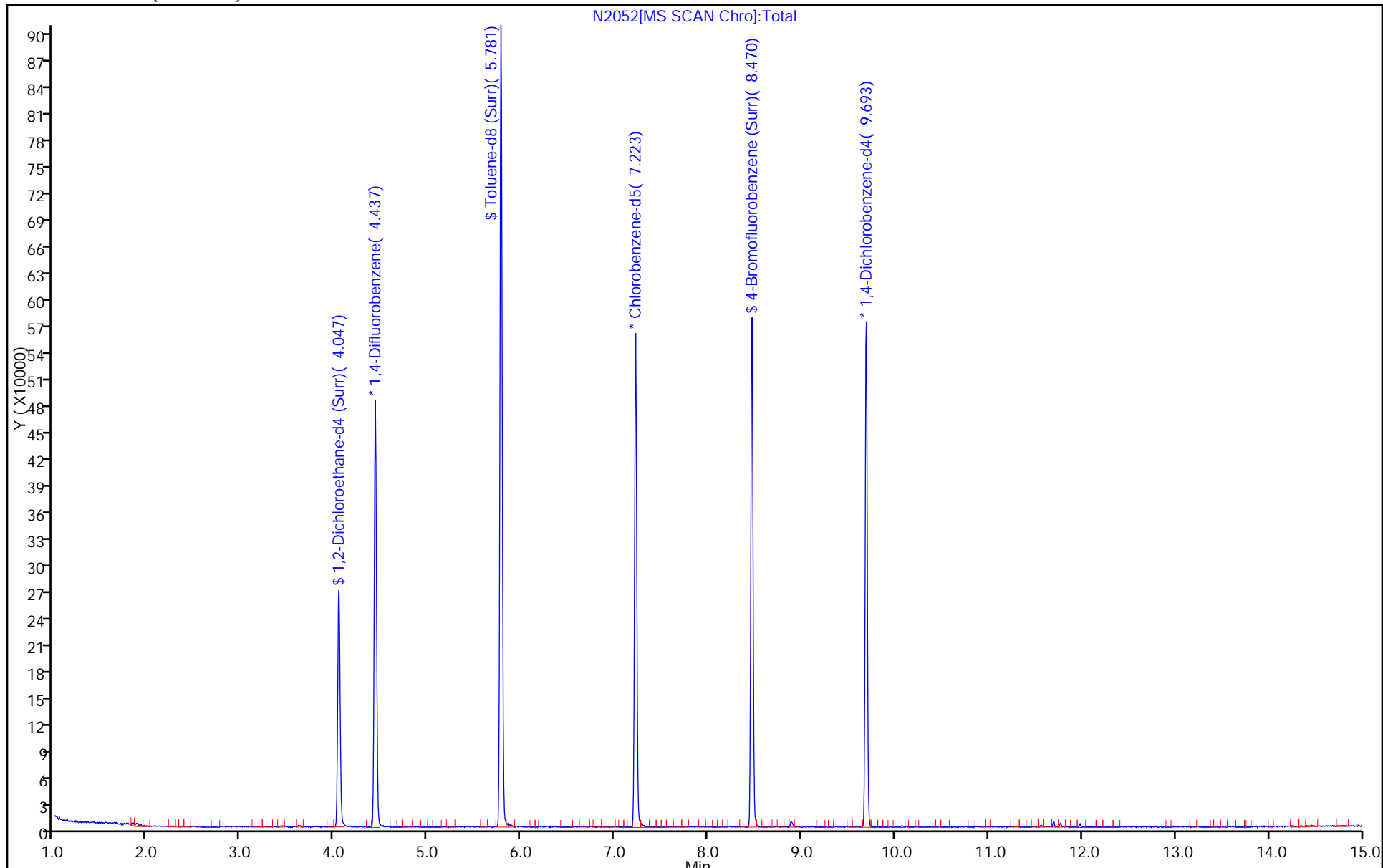
Dil. Factor: 1.0000

ALS Bottle#: 31

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-146447/4
 Matrix: Water Lab File ID: N2078.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 22:28
 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.: 146447 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.: 480-47807-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-146447/4
 Matrix: Water Lab File ID: N2078.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 22:28
 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.: 146447 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
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)	97		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2078.D
 Lims ID: MB Lab Sample ID:
 Client ID:
 Sample Type: MB
 Inject. Date: 21-Oct-2013 22:28:30 ALS Bottle#: 57 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0026435-004
 Operator ID: RAL Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 23:29:28 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK051

First Level Reviewer: larsonr

Date: 21-Oct-2013 23:29:32

Compound	Sig	RT (min.)	Adj RT (min.)	DI RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	382728	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	323156	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	95	152851	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	87	172301	24.6	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	83	595273	25.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	165265	24.3	
11 Dichlorodifluoromethane	85		0.908					
12 Chlorodifluoromethane	51		0.920					
13 Chloromethane	50		0.993					
14 Vinyl chloride	62		1.066					
15 Bromomethane	94		1.255					
16 Chloroethane	64		1.322					
18 Trichlorofluoromethane	101		1.450					
17 Dichlorofluoromethane	67		1.456					
19 Ethyl ether	59		1.656					
81 Propene oxide	58		1.711					
20 Acrolein	56		1.778					
22 1,1-Dichloroethene	96		1.809					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		1.827					
23 Acetone	43		1.906					
24 Iodomethane	142		1.924					
25 Carbon disulfide	76		1.955					
26 Isopropyl alcohol	45		2.076					
27 3-Chloro-1-propene	41		2.107					
29 Acetonitrile	40		2.155					
28 Methyl acetate	43		2.161					
30 Methylene Chloride	84		2.228					
31 2-Methyl-2-propanol	59		2.405					
33 trans-1,2-Dichloroethene	96		2.435					
32 Methyl tert-butyl ether	73		2.435					
34 Acrylonitrile	53		2.478					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		2.624					
36 1,1-Dichloroethane	63		2.806					
37 Isopropyl ether	45		2.849					
38 2-Chloro-1,3-butadiene	53		2.861					
39 Vinyl acetate	43		2.873					
40 1,1-Dimethoxyethane	75		2.910					
41 Tert-butyl ethyl ether	59		3.159					
42 2,2-Dichloropropane	77		3.281					
43 cis-1,2-Dichloroethene	96		3.317					
44 2-Butanone (MEK)	43		3.366					
45 Ethyl acetate	43		3.415					
46 Propionitrile	54		3.445					
47 Chlorobromomethane	128		3.530					
48 Methacrylonitrile	41		3.555					
49 Tetrahydrofuran	42		3.561					
50 Chloroform	83		3.621					
51 1,1,1-Trichloroethane	97		3.713					
52 Cyclohexane	56		3.719					
53 Carbon tetrachloride	117		3.847					
54 1,1-Dichloropropene	75		3.865					
55 Benzene	78		4.047					
57 1,2-Dichloroethane	62		4.114					
56 Isobutyl alcohol	43		4.126					
58 Tert-amyl methyl ether	73		4.157					
59 n-Heptane	43		4.266					
60 Trichloroethene	95		4.643					
61 n-Butanol	56		4.735					
62 Methylcyclohexane	83		4.759					
63 1,2-Dichloropropane	63		4.869					
64 Dibromomethane	93		4.996					
65 Methyl methacrylate	41		5.009					
66 1,4-Dioxane	88		5.033					
67 Dichlorobromomethane	83		5.161					
68 2-Nitropropane	43		5.404					
69 2-Chloroethyl vinyl ether	63		5.459					
70 Epichlorohydrin	57		5.526					
71 cis-1,3-Dichloropropene	75		5.574					
72 4-Methyl-2-pentanone (MIBK)	43		5.732					
73 Toluene	92		5.842					
74 2-Methylthiophene	97		5.976					
75 trans-1,3-Dichloropropene	75		6.134					
76 3-Methylthiophene	97		6.134					
77 Ethyl methacrylate	69		6.219					
78 1,1,2-Trichloroethane	83		6.310					
79 Tetrachloroethene	166		6.359					
80 1,3-Dichloropropane	76		6.462					
82 2-Hexanone	43		6.560					
83 Chlorodibromomethane	129		6.688					
84 Ethylene Dibromide	107		6.767					
85 Chlorobenzene	112		7.253					
86 3-Chlorobenzotrifluoride	180		7.272					
87 4-Chlorobenzotrifluoride	180		7.332					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
89 1,1,1,2-Tetrachloroethane	131		7.357					
88 Ethylbenzene	91		7.363					
90 m-Xylene & p-Xylene	106		7.484					
91 o-Xylene	106		7.892					
92 Styrene	104		7.929					
93 Bromoform	173		8.148					
94 2-Chlorobenzotrifluoride	180		8.221					
95 Isopropylbenzene	105		8.288					
96 Cyclohexanone	55		8.421					
97 Bromobenzene	156		8.604					
98 1,1,2,2-Tetrachloroethane	83		8.701					
99 1,2,3-Trichloropropane	110		8.719					
100 N-Propylbenzene	91		8.726					
101 trans-1,4-Dichloro-2-butene	53		8.750					
102 2-Chlorotoluene	126		8.811					
103 3-Chlorotoluene	126		8.884					
104 1,3,5-Trimethylbenzene	105		8.926					
105 4-Chlorotoluene	91		8.932					
106 tert-Butylbenzene	134		9.261					
107 Pentachloroethane	167		9.310					
108 1,2,4-Trimethylbenzene	105		9.322					
109 sec-Butylbenzene	105		9.498					
110 1,3-Dichlorobenzene	146		9.614					
111 4-Isopropyltoluene	119		9.662					
112 Dicyclopentadiene	66		9.687					
113 1,4-Dichlorobenzene	146		9.717					
114 1,2,3-Trimethylbenzene	105		9.760					
115 n-Butylbenzene	91		10.076					
116 1,2-Dichlorobenzene	146		10.082					
117 1,2-Dibromo-3-Chloropropane	75		10.861					
118 1,3,5-Trichlorobenzene	180		11.007					
119 1,2,4-Trichlorobenzene	180		11.560					
120 Hexachlorobutadiene	225		11.700					
121 Naphthalene	128		11.767					
122 1,2,3-Trichlorobenzene	180		11.980					
133 Halothane	1		0.0					
138 1-Bromopropane	1		0.0					
131 Aziridine TIC	1		0.0					
136 Ethylene oxide TIC	1		0.0					
S 123 1,3-Dichloropropene, Total	1		30.000					
S 124 1,2-Dichloroethene, Total	1		30.000					
S 125 Total BTEX	1		30.000					
S 126 Xylenes, Total	1		30.000					
T 10 Ethylene oxide	1		0.0					
T 127 Ethanol TIC	1		0.0					
T 129 tert-amyl alcohol TIC	1		0.0					
T 128 Hexachloroethane TIC	117		0.0					
T 9 bis(2-chloromethyl)ether TIC	1		0.0					
T 134 bis(chloromethyl)ether TIC	1		0.0					
T 135 1-Bromopropane TIC	1		0.0					
T 132 Bromoethane TIC	1		0.0					
T 137 Pentachloroethane TIC	1		0.0					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
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T 130 Propene oxide TIC

1

0.0

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2078.D

Injection Date: 21-Oct-2013 22:28:30

Instrument ID: HP5973N

Operator ID: RAL

Lims ID: MB

Lab Sample ID:

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

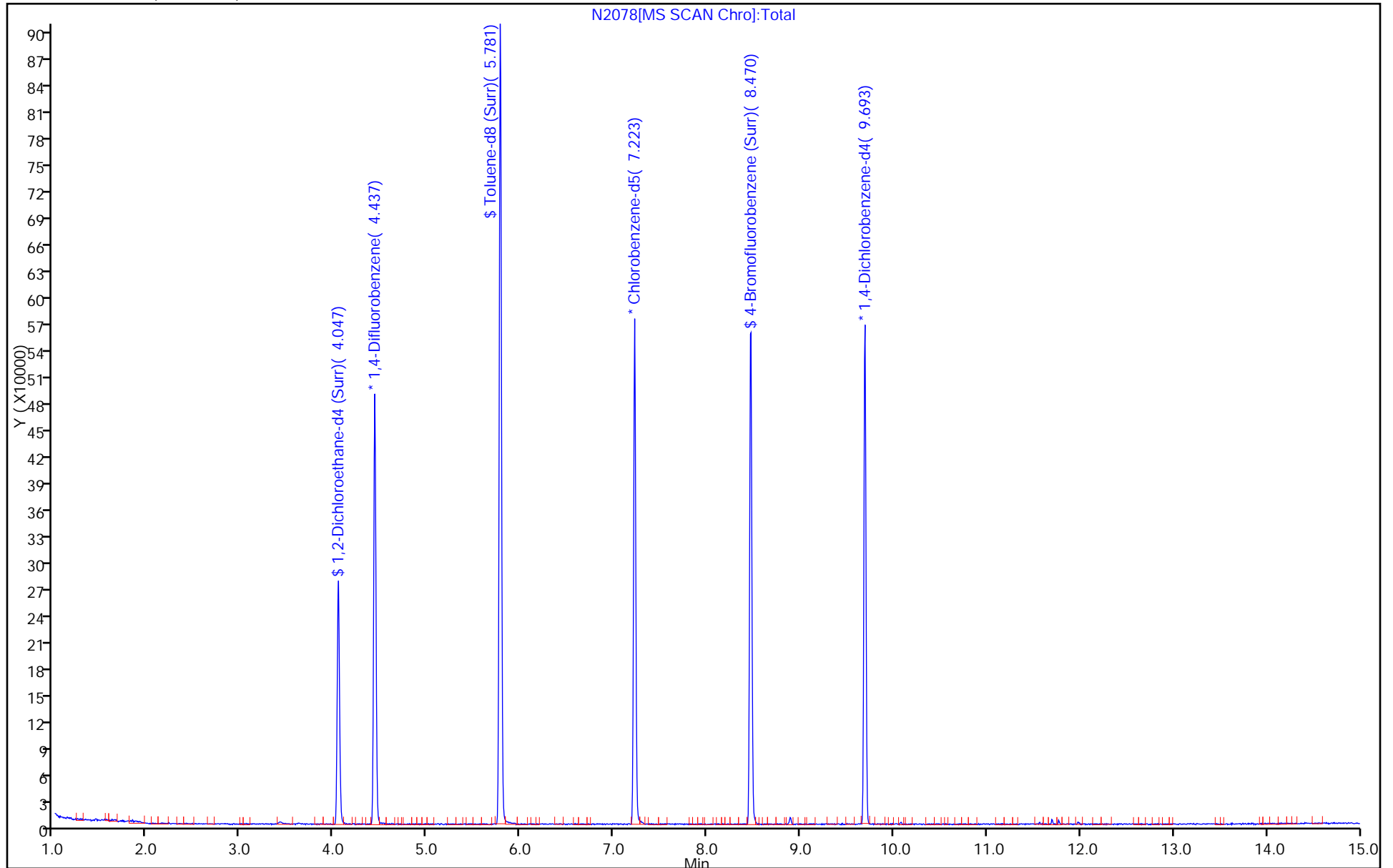
Dil. Factor: 1.0000

ALS Bottle#: 57

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-146247/4
 Matrix: Water Lab File ID: N2051.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 10:17
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.3		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	25.3		1.0	0.31
79-00-5	1,1,2-Trichloroethane	25.2		1.0	0.23
75-34-3	1,1-Dichloroethane	25.4		1.0	0.38
75-35-4	1,1-Dichloroethene	27.0		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.4		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	24.9		1.0	0.39
106-93-4	1,2-Dibromoethane	25.5		1.0	0.73
95-50-1	1,2-Dichlorobenzene	25.9		1.0	0.79
107-06-2	1,2-Dichloroethane	25.1		1.0	0.21
78-87-5	1,2-Dichloropropane	24.9		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.4		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.3		1.0	0.84
78-93-3	2-Butanone (MEK)	129		10	1.3
591-78-6	2-Hexanone	126		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	123		5.0	2.1
67-64-1	Acetone	135		10	3.0
71-43-2	Benzene	25.9		1.0	0.41
75-27-4	Bromodichloromethane	24.2		1.0	0.39
75-25-2	Bromoform	21.2		1.0	0.26
74-83-9	Bromomethane	20.4		1.0	0.69
75-15-0	Carbon disulfide	23.1		1.0	0.19
56-23-5	Carbon tetrachloride	25.0		1.0	0.27
108-90-7	Chlorobenzene	25.6		1.0	0.75
75-00-3	Chloroethane	29.9		1.0	0.32
67-66-3	Chloroform	25.0		1.0	0.34
74-87-3	Chloromethane	25.9		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.4		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.7		1.0	0.36
110-82-7	Cyclohexane	22.2		1.0	0.18
124-48-1	Dibromochloromethane	24.4		1.0	0.32
75-71-8	Dichlorodifluoromethane	25.2		1.0	0.68
100-41-4	Ethylbenzene	25.4		1.0	0.74
98-82-8	Isopropylbenzene	25.1		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-146247/4
 Matrix: Water Lab File ID: N2051.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 10:17
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	25.2		1.0	0.50
1634-04-4	Methyl tert-butyl ether	24.6		1.0	0.16
108-87-2	Methylcyclohexane	23.6		1.0	0.16
75-09-2	Methylene Chloride	25.2		1.0	0.44
100-42-5	Styrene	26.1		1.0	0.73
127-18-4	Tetrachloroethene	26.0		1.0	0.36
108-88-3	Toluene	25.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.8		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.8		1.0	0.37
79-01-6	Trichloroethene	25.1		1.0	0.46
75-69-4	Trichlorofluoromethane	30.7		1.0	0.88
75-01-4	Vinyl chloride	27.7		1.0	0.90
1330-20-7	Xylenes, Total	76.3		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		66-137
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	98		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2051.D
 Lims ID: LCS Lab Sample ID:
 Client ID:
 Sample Type: LCS
 Inject. Date: 21-Oct-2013 10:17:30 ALS Bottle#: 30 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0026414-004
 Operator ID: LH Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 10:58:33 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK016

First Level Reviewer: HillL

Date: 21-Oct-2013 10:58:33

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.436	0.001	90	391485	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	84	330784	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	71	166973	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	83	173708	24.2	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	80	588806	24.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.464	8.470	-0.006	87	171668	24.7	
11 Dichlorodifluoromethane	85	0.902	0.902	0.0	86	138830	25.2	
13 Chloromethane	50	0.993	0.999	-0.006	89	170504	25.9	
14 Vinyl chloride	62	1.066	1.066	0.0	83	166040	27.7	
15 Bromomethane	94	1.243	1.249	-0.006	90	53997	20.4	
16 Chloroethane	64	1.297	1.316	-0.019	95	78945	29.9	
18 Trichlorofluoromethane	101	1.437	1.449	-0.012	93	163705	30.7	
20 Acrolein	56	1.772	1.772	0.0	94	468434	1113.8	
22 1,1-Dichloroethene	96	1.802	1.808	-0.006	86	124919	27.0	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.821	1.821	0.0	79	108285	25.3	
23 Acetone	43	1.900	1.906	-0.006	98	264614	134.7	
24 Iodomethane	142	1.918	1.924	-0.006	98	180590	26.4	
25 Carbon disulfide	76	1.948	1.954	-0.006	98	406939	23.1	
29 Acetonitrile	40	2.149	2.149	0.0	100	488180	1160.4	
28 Methyl acetate	43	2.155	2.155	0.0	44	189993	25.2	
30 Methylene Chloride	84	2.222	2.228	-0.006	80	175569	25.2	
33 trans-1,2-Dichloroethene	96	2.429	2.429	0.0	65	164896	25.8	
32 Methyl tert-butyl ether	73	2.429	2.435	-0.006	89	550452	24.6	
34 Acrylonitrile	53	2.472	2.478	-0.006	97	333305	124.7	
36 1,1-Dichloroethane	63	2.800	2.800	0.0	85	305175	25.4	
39 Vinyl acetate	43	2.867	2.867	0.0	97	1528935	125.8	
42 2,2-Dichloropropane	77	3.281	3.281	0.0	87	196144	27.4	
43 cis-1,2-Dichloroethene	96	3.311	3.317	-0.006	67	180643	25.4	
44 2-Butanone (MEK)	43	3.360	3.366	-0.006	100	434214	128.6	
47 Chlorobromomethane	128	3.530	3.530	0.0	92	88396	25.3	
49 Tetrahydrofuran	42	3.561	3.560	0.001	86	293498	124.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
50 Chloroform	83	3.615	3.615	0.0	76	275149	25.0	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	90	220359	25.3	
52 Cyclohexane	56	3.719	3.719	0.0	89	264764	22.2	
53 Carbon tetrachloride	117	3.840	3.846	-0.006	81	192280	25.0	
54 1,1-Dichloropropene	75	3.859	3.865	-0.006	95	239909	25.4	
55 Benzene	78	4.047	4.047	0.0	97	692834	25.9	
57 1,2-Dichloroethane	62	4.108	4.114	-0.006	91	220939	25.1	
60 Trichloroethene	95	4.643	4.643	0.0	92	159984	25.1	
62 Methylcyclohexane	83	4.753	4.759	-0.006	89	282293	23.6	
63 1,2-Dichloropropane	63	4.862	4.868	-0.006	95	176633	24.9	
64 Dibromomethane	93	4.990	4.996	-0.006	88	98594	25.1	
67 Dichlorobromomethane	83	5.161	5.160	0.0	90	196450	24.2	
69 2-Chloroethyl vinyl ether	63	5.459	5.459	0.0	93	571352	121.1	
71 cis-1,3-Dichloropropene	75	5.568	5.568	0.0	91	275373	24.7	
72 4-Methyl-2-pentanone (MIBK)	43	5.732	5.732	0.0	94	878406	122.7	
73 Toluene	92	5.842	5.842	0.0	93	434539	25.3	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	93	249379	24.8	
77 Ethyl methacrylate	69	6.213	6.219	-0.006	89	239994	23.9	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	85	124030	25.2	
79 Tetrachloroethene	166	6.359	6.359	0.0	88	177163	26.0	
80 1,3-Dichloropropane	76	6.462	6.462	0.0	87	270853	24.8	
82 2-Hexanone	43	6.560	6.560	0.0	93	634639	125.9	
83 Chlorodibromomethane	129	6.687	6.687	0.0	85	141433	24.4	
84 Ethylene Dibromide	107	6.767	6.767	0.001	98	154499	25.5	
85 Chlorobenzene	112	7.247	7.253	-0.006	93	472405	25.6	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	85	146416	24.5	
88 Ethylbenzene	91	7.363	7.363	0.0	98	770404	25.4	
90 m-Xylene & p-Xylene	106	7.484	7.484	0.0	98	625579	50.6	
91 o-Xylene	106	7.892	7.892	0.0	95	318817	25.7	
92 Styrene	104	7.929	7.928	0.001	94	537713	26.1	
93 Bromoform	173	8.148	8.147	0.001	94	82386	21.2	
95 Isopropylbenzene	105	8.281	8.287	-0.006	95	798557	25.1	
97 Bromobenzene	156	8.604	8.604	0.0	93	189888	24.3	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	88	200808	24.3	
99 1,2,3-Trichloropropane	110	8.719	8.719	0.0	81	61856	24.7	
100 N-Propylbenzene	91	8.725	8.725	0.0	97	871111	24.5	
101 trans-1,4-Dichloro-2-butene	53	8.750	8.750	0.0	87	199617	106.8	
102 2-Chlorotoluene	126	8.811	8.811	0.0	96	184731	24.3	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	85	658716	25.4	
105 4-Chlorotoluene	91	8.932	8.932	0.0	99	611865	24.7	
106 tert-Butylbenzene	134	9.261	9.261	0.0	89	147017	25.4	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	91	644635	25.4	
109 sec-Butylbenzene	105	9.498	9.498	0.0	94	816888	25.4	
110 1,3-Dichlorobenzene	146	9.614	9.614	0.0	96	377814	25.4	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	88	695919	25.7	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	90	375098	25.3	
115 n-Butylbenzene	91	10.076	10.076	0.0	94	574224	25.0	
116 1,2-Dichlorobenzene	146	10.088	10.082	0.006	97	349055	25.9	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	68	29357	24.9	
119 1,2,4-Trichlorobenzene	180	11.560	11.560	0.0	93	207242	26.4	
120 Hexachlorobutadiene	225	11.700	11.700	0.0	96	95378	25.3	
121 Naphthalene	128	11.767	11.767	0.0	97	507747	24.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	95	172508	25.0	
S 123 1,3-Dichloropropene, Total	1				0		49.4	
S 124 1,2-Dichloroethene, Total	1				0		51.2	
S 126 Xylenes, Total	1				0		76.3	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2051.D

Injection Date: 21-Oct-2013 10:17:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: LCS

Lab Sample ID:

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

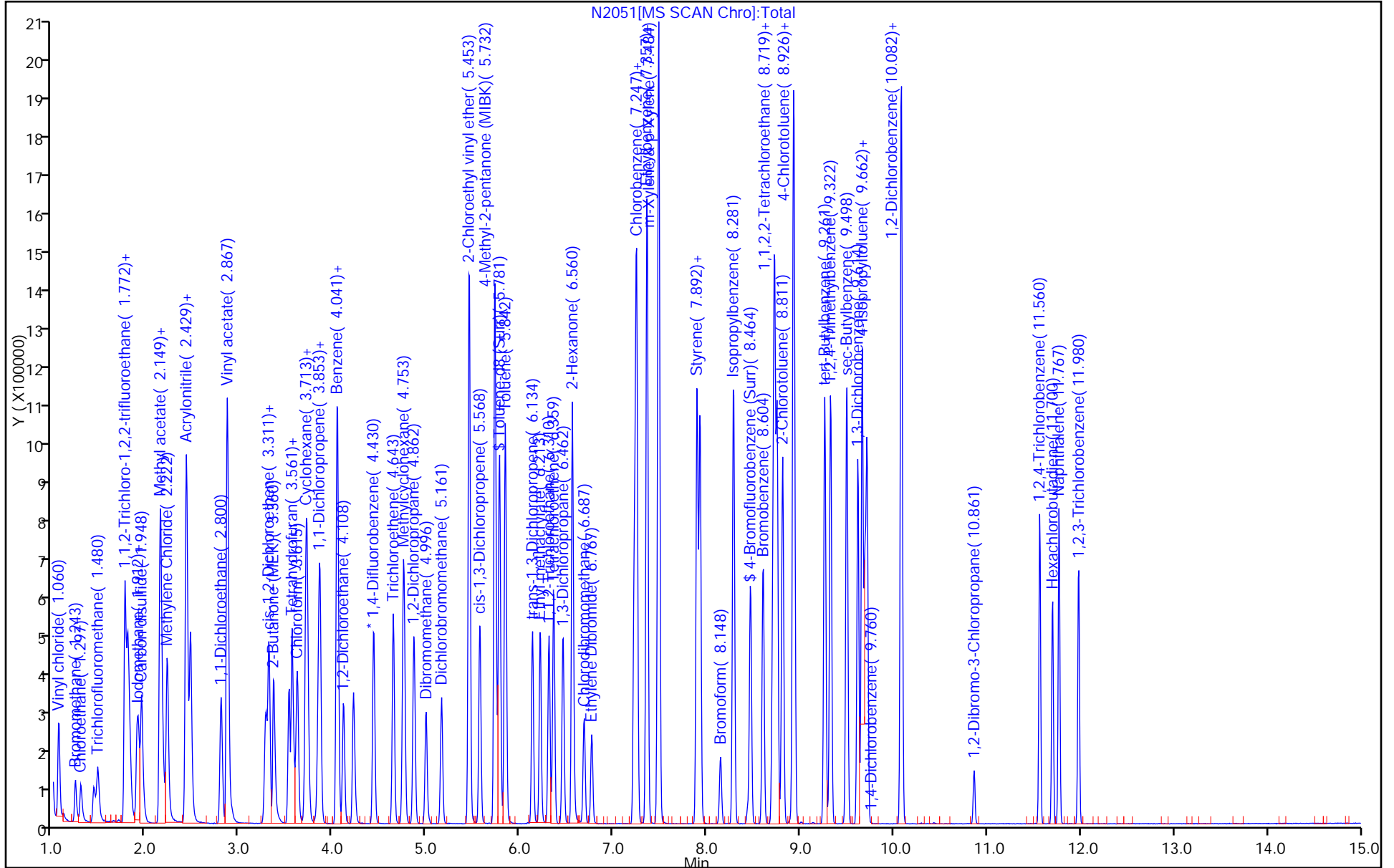
Dil. Factor: 1.0000

ALS Bottle#: 30

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-146447/3
 Matrix: Water Lab File ID: N2077.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 22:05
 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.: 146447 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24.9		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	25.3		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26.3		1.0	0.31
79-00-5	1,1,2-Trichloroethane	25.4		1.0	0.23
75-34-3	1,1-Dichloroethane	25.6		1.0	0.38
75-35-4	1,1-Dichloroethene	27.0		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	27.3		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	25.2		1.0	0.39
106-93-4	1,2-Dibromoethane	25.7		1.0	0.73
95-50-1	1,2-Dichlorobenzene	26.2		1.0	0.79
107-06-2	1,2-Dichloroethane	25.7		1.0	0.21
78-87-5	1,2-Dichloropropane	24.8		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.5		1.0	0.78
106-46-7	1,4-Dichlorobenzene	25.6		1.0	0.84
78-93-3	2-Butanone (MEK)	136		10	1.3
591-78-6	2-Hexanone	133		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	127		5.0	2.1
67-64-1	Acetone	150		10	3.0
71-43-2	Benzene	26.0		1.0	0.41
75-27-4	Bromodichloromethane	23.9		1.0	0.39
75-25-2	Bromoform	20.6		1.0	0.26
74-83-9	Bromomethane	26.7		1.0	0.69
75-15-0	Carbon disulfide	23.0		1.0	0.19
56-23-5	Carbon tetrachloride	24.5		1.0	0.27
108-90-7	Chlorobenzene	25.8		1.0	0.75
75-00-3	Chloroethane	31.9		1.0	0.32
67-66-3	Chloroform	25.3		1.0	0.34
74-87-3	Chloromethane	26.0		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	25.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.0		1.0	0.36
110-82-7	Cyclohexane	22.5		1.0	0.18
124-48-1	Dibromochloromethane	24.6		1.0	0.32
75-71-8	Dichlorodifluoromethane	23.9		1.0	0.68
100-41-4	Ethylbenzene	25.4		1.0	0.74
98-82-8	Isopropylbenzene	25.3		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-146447/3
 Matrix: Water Lab File ID: N2077.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 22:05
 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.: 146447 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	25.9		1.0	0.50
1634-04-4	Methyl tert-butyl ether	25.1		1.0	0.16
108-87-2	Methylcyclohexane	24.0		1.0	0.16
75-09-2	Methylene Chloride	25.2		1.0	0.44
100-42-5	Styrene	25.3		1.0	0.73
127-18-4	Tetrachloroethene	25.3		1.0	0.36
108-88-3	Toluene	25.2		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	26.1		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.7		1.0	0.37
79-01-6	Trichloroethene	25.4		1.0	0.46
75-69-4	Trichlorofluoromethane	29.2		1.0	0.88
75-01-4	Vinyl chloride	26.7		1.0	0.90
1330-20-7	Xylenes, Total	76.2		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)	98		73-120
2037-26-5	Toluene-d8 (Surr)	99		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2077.D
 Lims ID: LCS Lab Sample ID:
 Client ID:
 Sample Type: LCS
 Inject. Date: 21-Oct-2013 22:05:30 ALS Bottle#: 56 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0026435-003
 Operator ID: RAL Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 23:28:39 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK051

First Level Reviewer: larsonr

Date: 21-Oct-2013 23:28:39

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	381334	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	325061	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	71	160647	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	50	171211	24.5	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	80	582068	24.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	86	168157	24.6	
11 Dichlorodifluoromethane	85	0.908	0.908	0.0	87	128239	23.9	
13 Chloromethane	50	0.993	0.993	0.0	88	166520	26.0	
14 Vinyl chloride	62	1.066	1.066	0.0	83	156221	26.7	
15 Bromomethane	94	1.255	1.255	0.0	89	68587	26.7	
16 Chloroethane	64	1.316	1.322	-0.006	98	82075	31.9	
18 Trichlorofluoromethane	101	1.450	1.450	0.0	84	151558	29.2	
20 Acrolein	56	1.778	1.778	0.0	92	490581	1197.5	
22 1,1-Dichloroethene	96	1.809	1.809	0.001	88	121267	27.0	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.827	1.827	0.0	83	109732	26.3	
23 Acetone	43	1.906	1.906	0.0	98	286813	149.9	
24 Iodomethane	142	1.924	1.924	0.0	97	178307	26.7	
25 Carbon disulfide	76	1.955	1.955	0.001	98	394541	23.0	
29 Acetonitrile	40	2.155	2.155	0.0	100	476225	1162.1	
28 Methyl acetate	43	2.161	2.161	0.0	95	190373	25.9	
30 Methylene Chloride	84	2.228	2.228	0.0	80	171093	25.2	
33 trans-1,2-Dichloroethene	96	2.435	2.435	0.0	65	162289	26.1	
32 Methyl tert-butyl ether	73	2.435	2.435	0.0	89	546202	25.1	
34 Acrylonitrile	53	2.478	2.478	0.0	98	331707	127.4	
36 1,1-Dichloroethane	63	2.800	2.806	-0.006	85	298694	25.6	
39 Vinyl acetate	43	2.867	2.873	-0.006	98	1545458	130.5	
42 2,2-Dichloropropane	77	3.281	3.281	0.0	86	170370	24.4	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	65	173869	25.1	
44 2-Butanone (MEK)	43	3.366	3.366	0.0	100	446943	135.9	
47 Chlorobromomethane	128	3.530	3.530	0.0	91	87434	25.7	
49 Tetrahydrofuran	42	3.561	3.561	0.0	84	307205	133.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
50 Chloroform	83	3.615	3.621	-0.006	75	271518	25.3	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	90	211536	24.9	
52 Cyclohexane	56	3.719	3.719	0.0	89	262280	22.5	
53 Carbon tetrachloride	117	3.847	3.847	0.001	83	183268	24.5	
54 1,1-Dichloropropene	75	3.859	3.865	-0.006	96	231519	25.2	
55 Benzene	78	4.047	4.047	0.0	97	677198	26.0	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	91	219820	25.7	
60 Trichloroethene	95	4.644	4.643	0.001	91	157627	25.4	
62 Methylcyclohexane	83	4.759	4.759	0.0	89	279002	24.0	
63 1,2-Dichloropropane	63	4.869	4.869	0.0	95	171737	24.8	
64 Dibromomethane	93	4.996	4.996	0.0	87	98178	25.6	
67 Dichlorobromomethane	83	5.161	5.161	0.0	89	188954	23.9	
69 2-Chloroethyl vinyl ether	63	5.459	5.459	0.0	91	589322	128.3	
71 cis-1,3-Dichloropropene	75	5.574	5.574	0.0	91	271738	25.0	
72 4-Methyl-2-pentanone (MIBK)	43	5.733	5.732	0.0	95	896483	127.4	
73 Toluene	92	5.842	5.842	0.0	93	425867	25.2	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	89	243924	24.7	
77 Ethyl methacrylate	69	6.213	6.219	-0.006	89	241446	24.5	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	91	122813	25.4	
79 Tetrachloroethene	166	6.359	6.359	0.0	90	169152	25.3	
80 1,3-Dichloropropane	76	6.463	6.462	0.001	88	269787	25.2	
82 2-Hexanone	43	6.560	6.560	0.0	90	656628	132.5	
83 Chlorodibromomethane	129	6.688	6.688	0.0	87	140468	24.6	
84 Ethylene Dibromide	107	6.767	6.767	0.0	96	152868	25.7	
85 Chlorobenzene	112	7.253	7.253	0.0	95	466592	25.8	
89 1,1,1,2-Tetrachloroethane	131	7.357	7.357	0.0	85	143656	24.5	
88 Ethylbenzene	91	7.363	7.363	0.0	98	756242	25.4	
90 m-Xylene & p-Xylene	106	7.485	7.484	0.001	98	616566	50.7	
91 o-Xylene	106	7.898	7.892	0.006	95	311533	25.5	
92 Styrene	104	7.929	7.929	0.0	94	512717	25.3	
93 Bromoform	173	8.148	8.148	0.0	96	78743	20.6	
95 Isopropylbenzene	105	8.288	8.288	0.0	95	773013	25.3	
97 Bromobenzene	156	8.604	8.604	0.0	93	188344	25.1	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	87	201450	25.3	
99 1,2,3-Trichloropropane	110	8.720	8.719	0.001	79	60487	25.1	
100 N-Propylbenzene	91	8.726	8.726	0.0	96	853916	25.0	
101 trans-1,4-Dichloro-2-butene	53	8.750	8.750	0.0	85	203439	113.2	
102 2-Chlorotoluene	126	8.811	8.811	0.0	96	179419	24.6	
104 1,3,5-Trimethylbenzene	105	8.926	8.926	0.0	87	640957	25.7	
105 4-Chlorotoluene	91	8.932	8.932	0.0	99	595912	25.0	
106 tert-Butylbenzene	134	9.261	9.261	0.0	90	140755	25.3	
108 1,2,4-Trimethylbenzene	105	9.322	9.322	0.0	89	627692	25.7	
109 sec-Butylbenzene	105	9.498	9.498	0.0	93	786788	25.4	
110 1,3-Dichlorobenzene	146	9.614	9.614	0.0	97	364436	25.5	
111 4-Isopropyltoluene	119	9.662	9.662	0.0	87	669319	25.7	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	89	364865	25.6	
115 n-Butylbenzene	91	10.076	10.076	0.0	94	556522	25.2	
116 1,2-Dichlorobenzene	146	10.088	10.082	0.006	96	339750	26.2	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	72	28681	25.2	
119 1,2,4-Trichlorobenzene	180	11.561	11.560	0.001	94	205901	27.3	
120 Hexachlorobutadiene	225	11.700	11.700	0.0	93	90820	25.1	
121 Naphthalene	128	11.767	11.767	0.0	97	526266	26.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
122 1,2,3-Trichlorobenzene	180	11.980	11.980	0.0	95	177487	26.7	
S 126 Xylenes, Total	1				0		76.3	
S 123 1,3-Dichloropropene, Total	1				0		49.6	
S 124 1,2-Dichloroethene, Total	1				0		51.2	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2077.D

Injection Date: 21-Oct-2013 22:05:30

Instrument ID: HP5973N

Operator ID: RAL

Lims ID: LCS

Lab Sample ID:

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

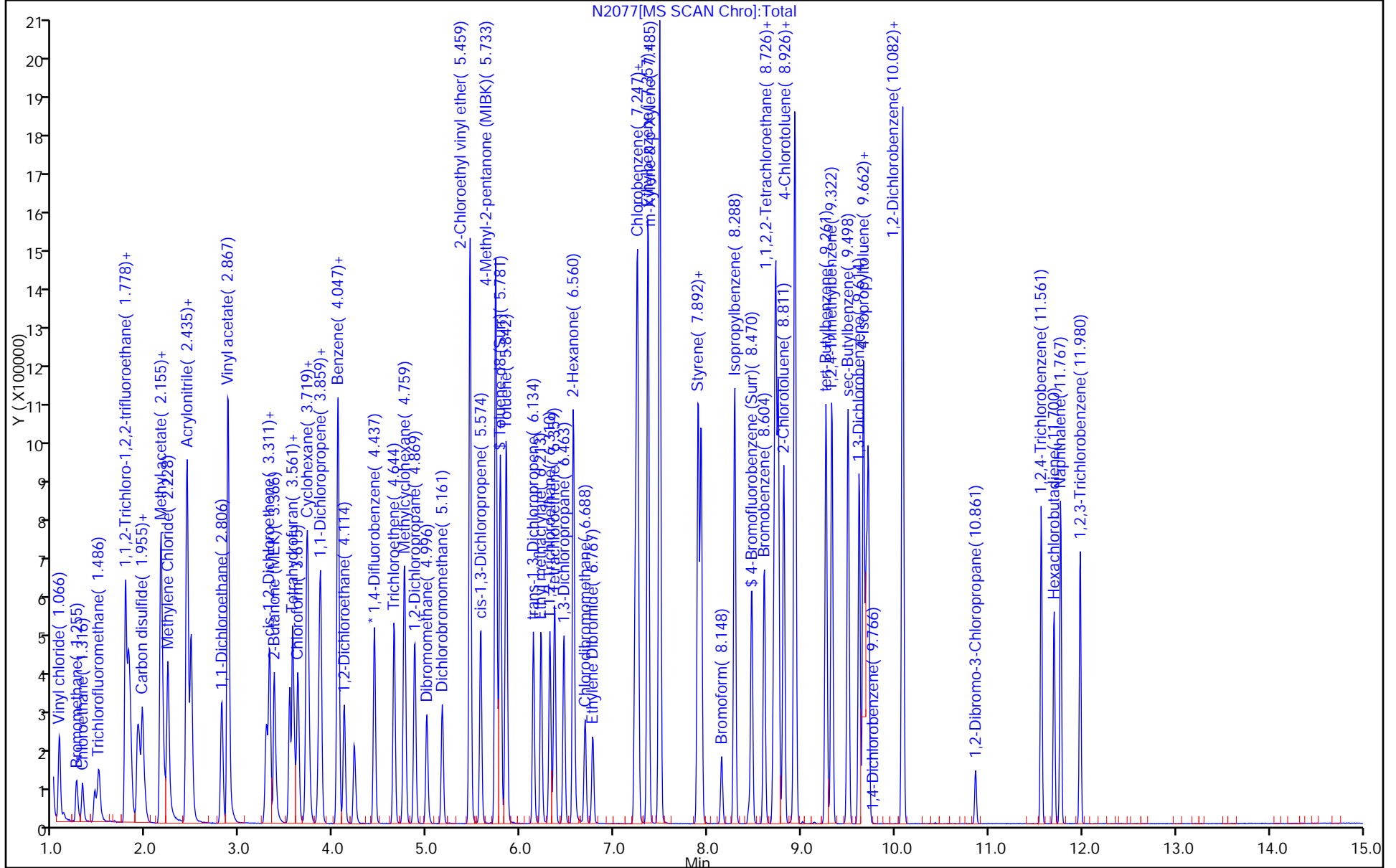
Dil. Factor: 1.0000

ALS Bottle#: 56

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: Duplicate MS Lab Sample ID: 480-47807-10 MS
 Matrix: Water Lab File ID: N2073.D
 Analysis Method: 8260C Date Collected: 10/10/2013 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 19:12
 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.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24200		1000	820
79-34-5	1,1,2,2-Tetrachloroethane	24500		1000	210
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26800		1000	310
79-00-5	1,1,2-Trichloroethane	24400		1000	230
75-34-3	1,1-Dichloroethane	25300		1000	380
75-35-4	1,1-Dichloroethene	26200		1000	290
120-82-1	1,2,4-Trichlorobenzene	26300		1000	410
96-12-8	1,2-Dibromo-3-Chloropropane	22800		1000	390
106-93-4	1,2-Dibromoethane	24500		1000	730
95-50-1	1,2-Dichlorobenzene	25500		1000	790
107-06-2	1,2-Dichloroethane	24500		1000	210
78-87-5	1,2-Dichloropropane	23900		1000	720
541-73-1	1,3-Dichlorobenzene	25100		1000	780
106-46-7	1,4-Dichlorobenzene	24600		1000	840
78-93-3	2-Butanone (MEK)	138000		10000	1300
591-78-6	2-Hexanone	137000		5000	1200
108-10-1	4-Methyl-2-pentanone (MIBK)	133000		5000	2100
67-64-1	Acetone	142000		10000	3000
71-43-2	Benzene	25300		1000	410
75-27-4	Bromodichloromethane	22300		1000	390
75-25-2	Bromoform	17000		1000	260
74-83-9	Bromomethane	24500		1000	690
75-15-0	Carbon disulfide	23800		1000	190
56-23-5	Carbon tetrachloride	23300		1000	270
108-90-7	Chlorobenzene	25400		1000	750
75-00-3	Chloroethane	29900		1000	320
67-66-3	Chloroform	24200		1000	340
74-87-3	Chloromethane	25200		1000	350
156-59-2	cis-1,2-Dichloroethene	83200		1000	810
10061-01-5	cis-1,3-Dichloropropene	22200		1000	360
110-82-7	Cyclohexane	24300		1000	180
124-48-1	Dibromochloromethane	21600		1000	320
75-71-8	Dichlorodifluoromethane	23900		1000	680
100-41-4	Ethylbenzene	25200		1000	740
98-82-8	Isopropylbenzene	25100		1000	790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: Duplicate MS Lab Sample ID: 480-47807-10 MS
 Matrix: Water Lab File ID: N2073.D
 Analysis Method: 8260C Date Collected: 10/10/2013 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 19:12
 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.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	26900		1000	500
1634-04-4	Methyl tert-butyl ether	25900		1000	160
108-87-2	Methylcyclohexane	25600		1000	160
75-09-2	Methylene Chloride	24100		1000	440
100-42-5	Styrene	25200		1000	730
127-18-4	Tetrachloroethene	24500		1000	360
108-88-3	Toluene	24800		1000	510
156-60-5	trans-1,2-Dichloroethene	25700		1000	900
10061-02-6	trans-1,3-Dichloropropene	21800		1000	370
79-01-6	Trichloroethene	127000		1000	460
75-69-4	Trichlorofluoromethane	26800		1000	880
75-01-4	Vinyl chloride	28900		1000	900
1330-20-7	Xylenes, Total	76000		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		66-137
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	99		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2073.D
 Lims ID: 480-47807-A-10 MS Lab Sample ID:
 Client ID:
 Sample Type: MS
 Inject. Date: 21-Oct-2013 19:12:30 ALS Bottle#: 52 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 1000.0000
 Sample Info: 480-47807-A-10 MS
 Misc. Info.: 480-0026414-026
 Operator ID: LH Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 21:40:20 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK051

First Level Reviewer: larsonr

Date: 21-Oct-2013 21:40:20

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.436	0.001	91	374236	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	84	317908	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	70	157539	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	85	163155	23.8	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	80	569168	24.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	166355	24.9	
11 Dichlorodifluoromethane	85	0.902	0.902	0.0	87	125797	23.9	
13 Chloromethane	50	0.993	0.999	-0.006	89	158839	25.2	
14 Vinyl chloride	62	1.066	1.066	0.0	83	165534	28.9	
15 Bromomethane	94	1.249	1.249	0.0	87	61752	24.5	
16 Chloroethane	64	1.316	1.316	0.0	93	75483	29.9	
18 Trichlorofluoromethane	101	1.443	1.449	-0.006	92	136369	26.8	
22 1,1-Dichloroethene	96	1.808	1.808	0.0	86	115452	26.2	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.821	1.821	0.0	80	109903	26.8	
23 Acetone	43	1.906	1.906	0.0	98	267007	142.2	
25 Carbon disulfide	76	1.954	1.954	0.0	98	401053	23.8	
28 Methyl acetate	43	2.161	2.155	0.006	96	193957	26.9	
30 Methylene Chloride	84	2.228	2.228	0.0	82	160571	24.1	
33 trans-1,2-Dichloroethene	96	2.435	2.429	0.006	94	156546	25.7	
32 Methyl tert-butyl ether	73	2.435	2.435	0.0	89	553960	25.9	
36 1,1-Dichloroethane	63	2.806	2.800	0.006	96	289953	25.3	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	67	565911	83.2	
44 2-Butanone (MEK)	43	3.366	3.366	0.0	92	445169	138.0	
50 Chloroform	83	3.615	3.615	0.0	76	254225	24.2	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	88	201887	24.2	
52 Cyclohexane	56	3.719	3.719	0.0	89	276967	24.3	
53 Carbon tetrachloride	117	3.846	3.846	0.0	79	171017	23.3	
55 Benzene	78	4.047	4.047	0.0	97	646525	25.3	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	91	205542	24.5	
60 Trichloroethene	95	4.643	4.643	0.0	92	771765	126.9	E
62 Methylcyclohexane	83	4.759	4.759	0.0	88	292293	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63	4.869	4.868	0.0	94	161971	23.9	
67 Dichlorobromomethane	83	5.161	5.160	0.001	90	173194	22.3	
71 cis-1,3-Dichloropropene	75	5.574	5.568	0.006	91	236625	22.2	
72 4-Methyl-2-pentanone (MIBK)	43	5.732	5.732	0.0	95	913579	132.7	
73 Toluene	92	5.848	5.842	0.006	93	409765	24.8	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	89	210630	21.8	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	85	115284	24.4	
79 Tetrachloroethene	166	6.359	6.359	0.0	86	160404	24.5	
82 2-Hexanone	43	6.560	6.560	0.0	94	661942	136.6	
83 Chlorodibromomethane	129	6.688	6.687	0.001	86	120587	21.6	
84 Ethylene Dibromide	107	6.773	6.767	0.007	98	142593	24.5	
85 Chlorobenzene	112	7.253	7.253	0.0	94	450614	25.4	
88 Ethylbenzene	91	7.363	7.363	0.0	98	733791	25.2	
90 m-Xylene & p-Xylene	106	7.484	7.484	0.0	98	599647	50.5	
91 o-Xylene	106	7.898	7.892	0.006	95	303917	25.5	
92 Styrene	104	7.929	7.928	0.001	94	498479	25.2	
93 Bromoform	173	8.148	8.147	0.001	94	62966	17.0	
95 Isopropylbenzene	105	8.287	8.287	0.0	96	752751	25.1	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	88	190763	24.5	
110 1,3-Dichlorobenzene	146	9.620	9.614	0.006	97	352581	25.1	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	88	343725	24.6	
116 1,2-Dichlorobenzene	146	10.088	10.082	0.006	96	323356	25.5	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	66	25404	22.8	
119 1,2,4-Trichlorobenzene	180	11.560	11.560	0.0	93	194720	26.3	
S 126 Xylenes, Total	1				0		75.9	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2073.D

Injection Date: 21-Oct-2013 19:12:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-47807-A-10 MS

Lab Sample ID:

Worklist Smp#: 26

Client ID:

Purge Vol: 5.000 mL

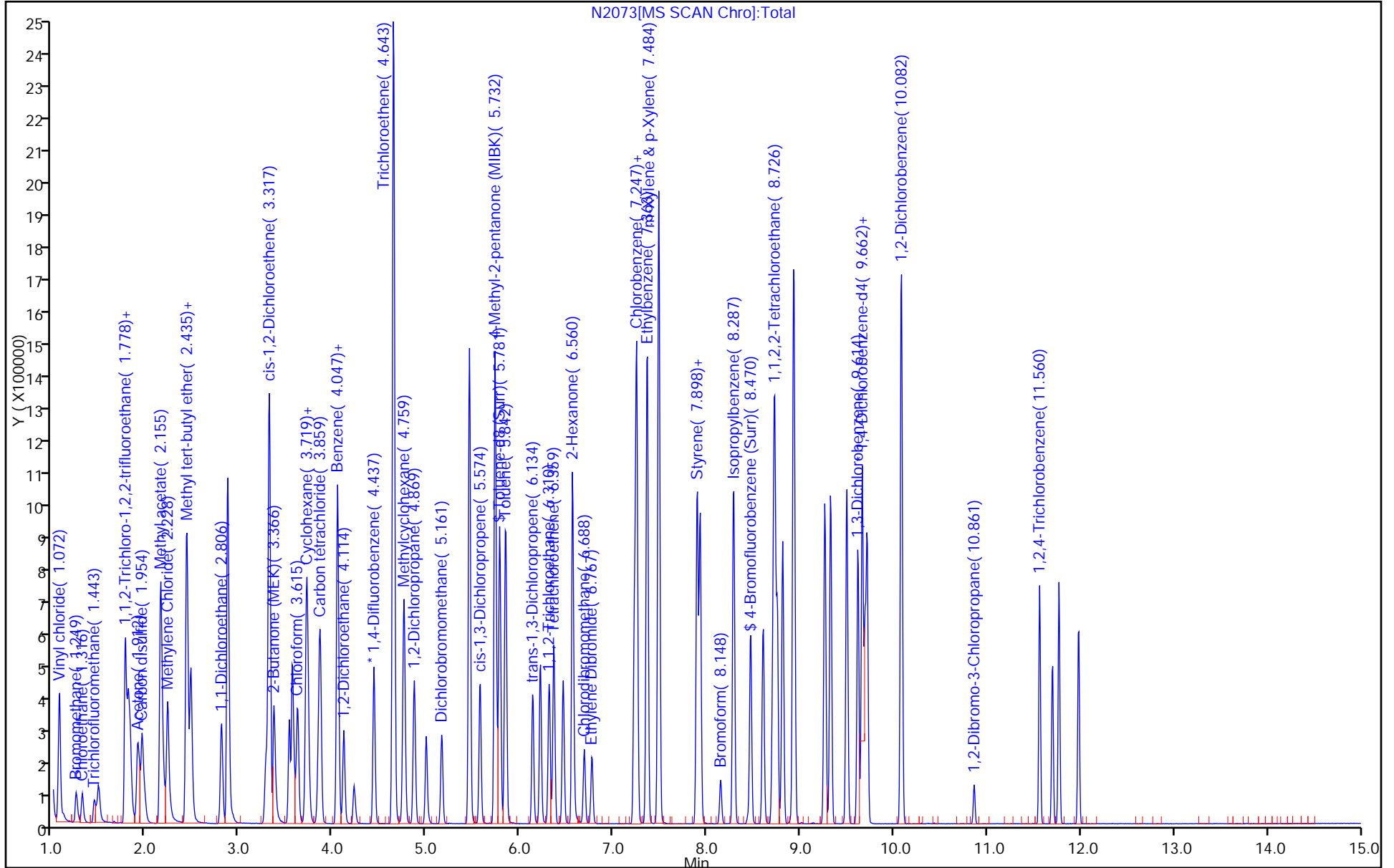
Dil. Factor: 1000.0000

ALS Bottle#: 52

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: Duplicate MS Lab Sample ID: 480-47807-10 MS
 Matrix: Water Lab File ID: N2101.D
 Analysis Method: 8260C Date Collected: 10/10/2013 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 10/22/2013 07:53
 Soil Aliquot Vol: _____ Dilution Factor: 2000
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 146447 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	52600		2000	1600
79-34-5	1,1,2,2-Tetrachloroethane	51000		2000	420
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	51800		2000	620
79-00-5	1,1,2-Trichloroethane	52500		2000	460
75-34-3	1,1-Dichloroethane	53700		2000	760
75-35-4	1,1-Dichloroethene	57600		2000	580
120-82-1	1,2,4-Trichlorobenzene	54800		2000	820
96-12-8	1,2-Dibromo-3-Chloropropane	50200		2000	780
106-93-4	1,2-Dibromoethane	52500		2000	1500
95-50-1	1,2-Dichlorobenzene	55100		2000	1600
107-06-2	1,2-Dichloroethane	51500		2000	420
78-87-5	1,2-Dichloropropane	51300		2000	1400
541-73-1	1,3-Dichlorobenzene	53400		2000	1600
106-46-7	1,4-Dichlorobenzene	52700		2000	1700
78-93-3	2-Butanone (MEK)	264000		20000	2600
591-78-6	2-Hexanone	255000		10000	2500
108-10-1	4-Methyl-2-pentanone (MIBK)	249000		10000	4200
67-64-1	Acetone	278000		20000	6000
71-43-2	Benzene	54200		2000	820
75-27-4	Bromodichloromethane	48000		2000	780
75-25-2	Bromoform	39000		2000	520
74-83-9	Bromomethane	39000		2000	1400
75-15-0	Carbon disulfide	47100		2000	380
56-23-5	Carbon tetrachloride	50900		2000	540
108-90-7	Chlorobenzene	53500		2000	1500
75-00-3	Chloroethane	67100		2000	640
67-66-3	Chloroform	52400		2000	680
74-87-3	Chloromethane	56100		2000	700
156-59-2	cis-1,2-Dichloroethene	108000		2000	1600
10061-01-5	cis-1,3-Dichloropropene	48200		2000	720
110-82-7	Cyclohexane	45600		2000	360
124-48-1	Dibromochloromethane	48200		2000	640
75-71-8	Dichlorodifluoromethane	53200		2000	1400
100-41-4	Ethylbenzene	52800		2000	1500
98-82-8	Isopropylbenzene	53100		2000	1600

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: Duplicate MS Lab Sample ID: 480-47807-10 MS
 Matrix: Water Lab File ID: N2101.D
 Analysis Method: 8260C Date Collected: 10/10/2013 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 10/22/2013 07:53
 Soil Aliquot Vol: _____ Dilution Factor: 2000
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 146447 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	49700		2000	1000
1634-04-4	Methyl tert-butyl ether	49500		2000	320
108-87-2	Methylcyclohexane	47900		2000	320
75-09-2	Methylene Chloride	51900		2000	880
100-42-5	Styrene	53400		2000	1500
127-18-4	Tetrachloroethene	53900		2000	720
108-88-3	Toluene	53200		2000	1000
156-60-5	trans-1,2-Dichloroethene	55400		2000	1800
10061-02-6	trans-1,3-Dichloropropene	47300		2000	740
79-01-6	Trichloroethene	150000		2000	920
75-69-4	Trichlorofluoromethane	62700		2000	1800
75-01-4	Vinyl chloride	59300		2000	1800
1330-20-7	Xylenes, Total	160000		4000	1300

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		66-137
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
2037-26-5	Toluene-d8 (Surr)	101		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2101.D
 Lims ID: 480-47807-B-10 MS Lab Sample ID:
 Client ID:
 Sample Type: MS
 Inject. Date: 22-Oct-2013 07:53:30 ALS Bottle#: 21 Worklist Smp#: 29
 Purge Vol: 5.000 mL Dil. Factor: 2000.0000
 Sample Info: 480-47807-B-10 MS
 Misc. Info.: 480-0026435-029
 Operator ID: RAL Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Oct-2013 14:45:01 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK036

First Level Reviewer: nguyendudziaknq

Date: 22-Oct-2013 14:45:01

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	90	370980	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	84	314117	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	71	155513	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	51	164341	24.2	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	80	574850	25.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	159584	24.1	
11 Dichlorodifluoromethane	85	0.902	0.908	-0.006	87	138715	26.6	
13 Chloromethane	50	0.987	0.993	-0.006	89	175178	28.1	
14 Vinyl chloride	62	1.066	1.066	0.0	84	168488	29.6	
15 Bromomethane	94	1.243	1.255	-0.012	88	48774	19.5	
16 Chloroethane	64	1.310	1.322	-0.012	93	83937	33.5	
18 Trichlorofluoromethane	101	1.443	1.450	-0.007	83	158396	31.4	
22 1,1-Dichloroethene	96	1.802	1.809	-0.006	92	126097	28.8	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.821	1.827	-0.006	80	105211	25.9	
23 Acetone	43	1.906	1.906	0.0	98	258494	138.9	
25 Carbon disulfide	76	1.954	1.955	0.0	98	393607	23.6	
28 Methyl acetate	43	2.155	2.161	-0.006	96	177688	24.9	
30 Methylene Chloride	84	2.228	2.228	0.0	85	171310	26.0	
33 trans-1,2-Dichloroethene	96	2.429	2.435	-0.006	92	167709	27.7	
32 Methyl tert-butyl ether	73	2.435	2.435	0.0	89	524490	24.8	
36 1,1-Dichloroethane	63	2.806	2.806	0.0	85	305101	26.8	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	66	364923	54.1	
44 2-Butanone (MEK)	43	3.366	3.366	0.0	98	421706	131.8	
50 Chloroform	83	3.621	3.621	0.0	76	273130	26.2	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	93	217056	26.3	
52 Cyclohexane	56	3.719	3.719	0.0	89	257916	22.8	
53 Carbon tetrachloride	117	3.846	3.847	0.0	81	185215	25.4	
55 Benzene	78	4.047	4.047	0.0	97	686423	27.1	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	91	214304	25.7	
60 Trichloroethene	95	4.643	4.643	0.0	91	452318	75.0	
62 Methylcyclohexane	83	4.759	4.759	0.0	88	271266	23.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63	4.869	4.869	0.0	95	172404	25.6	
67 Dichlorobromomethane	83	5.161	5.161	0.0	88	184680	24.0	
71 cis-1,3-Dichloropropene	75	5.574	5.574	0.0	89	255063	24.1	
72 4-Methyl-2-pentanone (MIBK)	43	5.732	5.732	0.0	85	848134	124.7	
73 Toluene	92	5.842	5.842	0.0	93	434139	26.6	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	89	226042	23.7	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	85	122592	26.3	
79 Tetrachloroethene	166	6.359	6.359	0.0	90	173956	26.9	
82 2-Hexanone	43	6.560	6.560	0.0	90	609368	127.3	
83 Chlorodibromomethane	129	6.688	6.688	0.0	85	132877	24.1	
84 Ethylene Dibromide	107	6.767	6.767	0.0	97	151035	26.2	
85 Chlorobenzene	112	7.253	7.253	0.0	95	468029	26.7	
88 Ethylbenzene	91	7.363	7.363	0.0	98	760727	26.4	
90 m-Xylene & p-Xylene	106	7.484	7.484	0.0	98	621119	52.9	
91 o-Xylene	106	7.892	7.892	0.0	95	319572	27.1	
92 Styrene	104	7.929	7.929	0.0	94	522302	26.7	
93 Bromoform	173	8.148	8.148	0.0	95	71716	19.5	
95 Isopropylbenzene	105	8.287	8.288	-0.001	95	785557	26.5	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	96	196155	25.5	
110 1,3-Dichlorobenzene	146	9.614	9.614	0.0	96	369961	26.7	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	88	364115	26.4	
116 1,2-Dichlorobenzene	146	10.088	10.082	0.006	96	345252	27.5	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	69	27626	25.1	
119 1,2,4-Trichlorobenzene	180	11.560	11.560	0.0	92	200437	27.4	
S 126 Xylenes, Total	1				0		80.0	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2101.D

Injection Date: 22-Oct-2013 07:53:30

Instrument ID: HP5973N

Operator ID: RAL

Lims ID: 480-47807-B-10 MS

Lab Sample ID:

Worklist Smp#: 29

Client ID:

Purge Vol: 5.000 mL

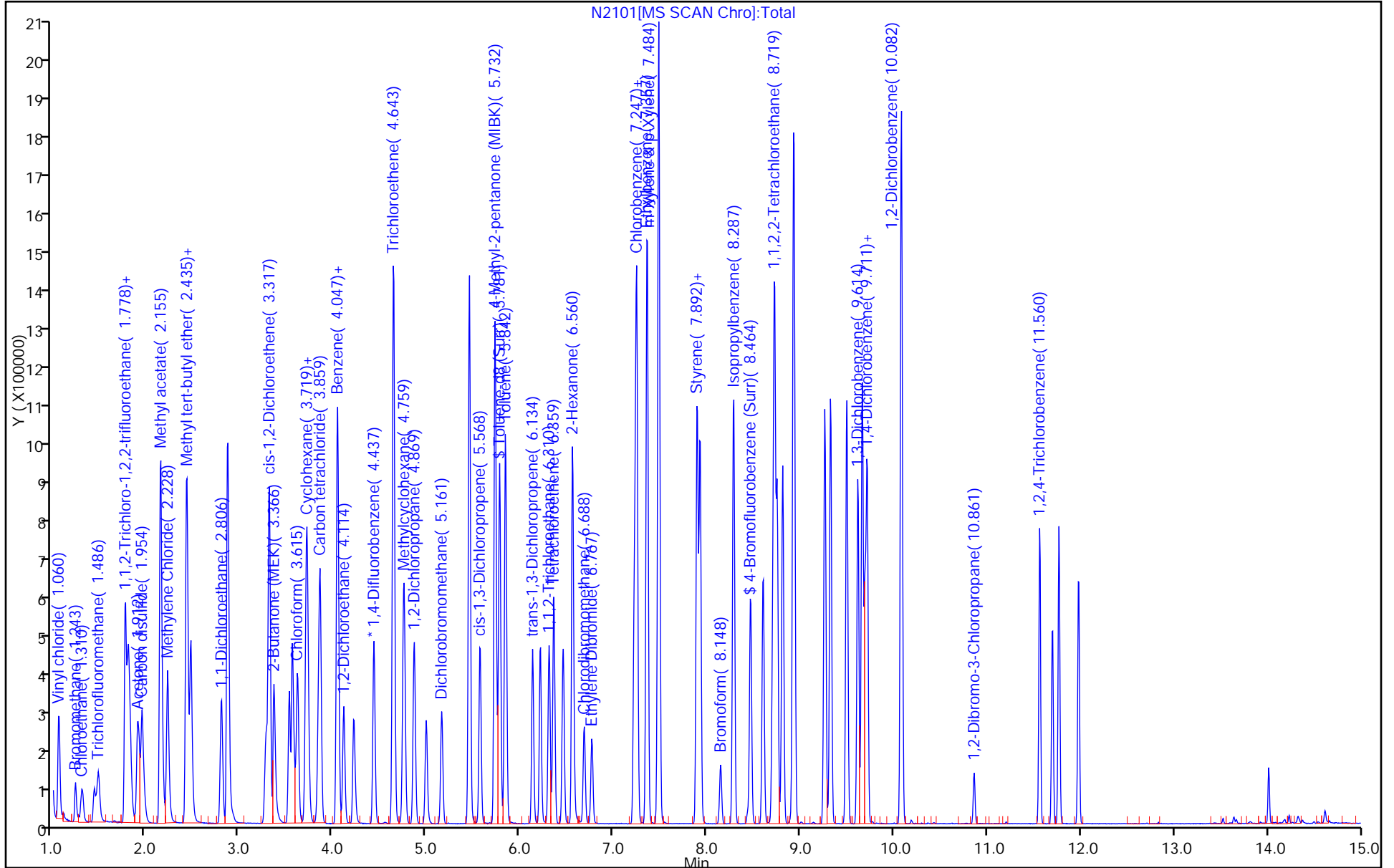
Dil. Factor: 2000.0000

ALS Bottle#: 21

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: Duplicate MSD Lab Sample ID: 480-47807-10 MSD
 Matrix: Water Lab File ID: N2074.D
 Analysis Method: 8260C Date Collected: 10/10/2013 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 19:35
 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.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24100		1000	820
79-34-5	1,1,2,2-Tetrachloroethane	24100		1000	210
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26000		1000	310
79-00-5	1,1,2-Trichloroethane	24400		1000	230
75-34-3	1,1-Dichloroethane	24700		1000	380
75-35-4	1,1-Dichloroethene	25900		1000	290
120-82-1	1,2,4-Trichlorobenzene	26000		1000	410
96-12-8	1,2-Dibromo-3-Chloropropane	22100		1000	390
106-93-4	1,2-Dibromoethane	24400		1000	730
95-50-1	1,2-Dichlorobenzene	25600		1000	790
107-06-2	1,2-Dichloroethane	24600		1000	210
78-87-5	1,2-Dichloropropane	23500		1000	720
541-73-1	1,3-Dichlorobenzene	25000		1000	780
106-46-7	1,4-Dichlorobenzene	24700		1000	840
78-93-3	2-Butanone (MEK)	135000		10000	1300
591-78-6	2-Hexanone	133000		5000	1200
108-10-1	4-Methyl-2-pentanone (MIBK)	130000		5000	2100
67-64-1	Acetone	141000		10000	3000
71-43-2	Benzene	25000		1000	410
75-27-4	Bromodichloromethane	22400		1000	390
75-25-2	Bromoform	17800		1000	260
74-83-9	Bromomethane	23100		1000	690
75-15-0	Carbon disulfide	24200		1000	190
56-23-5	Carbon tetrachloride	23100		1000	270
108-90-7	Chlorobenzene	24700		1000	750
75-00-3	Chloroethane	28000		1000	320
67-66-3	Chloroform	24000		1000	340
74-87-3	Chloromethane	24600		1000	350
156-59-2	cis-1,2-Dichloroethene	82400		1000	810
10061-01-5	cis-1,3-Dichloropropene	22800		1000	360
110-82-7	Cyclohexane	23600		1000	180
124-48-1	Dibromochloromethane	22400		1000	320
75-71-8	Dichlorodifluoromethane	23600		1000	680
100-41-4	Ethylbenzene	24200		1000	740
98-82-8	Isopropylbenzene	24500		1000	790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: Duplicate MSD Lab Sample ID: 480-47807-10 MSD
 Matrix: Water Lab File ID: N2074.D
 Analysis Method: 8260C Date Collected: 10/10/2013 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 10/21/2013 19:35
 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.: 146247 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	26600		1000	500
1634-04-4	Methyl tert-butyl ether	25800		1000	160
108-87-2	Methylcyclohexane	24600		1000	160
75-09-2	Methylene Chloride	24000		1000	440
100-42-5	Styrene	24700		1000	730
127-18-4	Tetrachloroethene	23800		1000	360
108-88-3	Toluene	24300		1000	510
156-60-5	trans-1,2-Dichloroethene	25200		1000	900
10061-02-6	trans-1,3-Dichloropropene	22000		1000	370
79-01-6	Trichloroethene	125000		1000	460
75-69-4	Trichlorofluoromethane	27300		1000	880
75-01-4	Vinyl chloride	28300		1000	900
1330-20-7	Xylenes, Total	72900		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		66-137
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
2037-26-5	Toluene-d8 (Surr)	98		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2074.D
 Lims ID: 480-47807-A-10 MSD Lab Sample ID:
 Client ID:
 Sample Type: MSD
 Inject. Date: 21-Oct-2013 19:35:30 ALS Bottle#: 53 Worklist Smp#: 27
 Purge Vol: 5.000 mL Dil. Factor: 1000.0000
 Sample Info: 480-47807-A-10 MSD
 Misc. Info.: 480-0026414-027
 Operator ID: LH Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 21-Oct-2013 21:40:20 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK051

First Level Reviewer: larsonr

Date: 21-Oct-2013 21:40:41

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.436	0.001	91	373986	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	86	319041	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	71	157749	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.047	4.041	0.006	90	166312	24.3	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	80	566641	24.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	89	162986	24.3	
11 Dichlorodifluoromethane	85	0.902	0.902	0.0	87	124317	23.6	
13 Chloromethane	50	0.993	0.999	-0.006	88	154797	24.6	
14 Vinyl chloride	62	1.066	1.066	0.0	83	162096	28.3	
15 Bromomethane	94	1.243	1.249	-0.006	90	58400	23.1	
16 Chloroethane	64	1.310	1.316	-0.006	99	70709	28.0	
18 Trichlorofluoromethane	101	1.443	1.449	-0.006	92	138783	27.3	
22 1,1-Dichloroethene	96	1.808	1.808	0.0	93	114082	25.9	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	1.821	1.821	0.0	87	106618	26.0	
23 Acetone	43	1.906	1.906	0.0	98	264806	141.1	
25 Carbon disulfide	76	1.954	1.954	0.0	98	407203	24.2	
28 Methyl acetate	43	2.161	2.155	0.006	97	191712	26.6	
30 Methylene Chloride	84	2.228	2.228	0.0	84	159697	24.0	
33 trans-1,2-Dichloroethene	96	2.435	2.429	0.006	98	153888	25.2	
32 Methyl tert-butyl ether	73	2.435	2.435	0.0	89	551093	25.8	
36 1,1-Dichloroethane	63	2.806	2.800	0.006	85	282933	24.7	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	67	560106	82.4	
44 2-Butanone (MEK)	43	3.366	3.366	0.0	98	435753	135.1	
50 Chloroform	83	3.621	3.615	0.006	76	252095	24.0	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	88	200248	24.1	
52 Cyclohexane	56	3.719	3.719	0.0	89	269088	23.6	
53 Carbon tetrachloride	117	3.846	3.846	0.0	80	169816	23.1	
55 Benzene	78	4.047	4.047	0.0	97	639249	25.0	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	91	206208	24.6	
60 Trichloroethene	95	4.643	4.643	0.0	92	757385	124.6	E
62 Methylcyclohexane	83	4.759	4.759	0.0	85	281036	24.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63	4.869	4.868	0.0	95	159536	23.5	
67 Dichlorobromomethane	83	5.161	5.160	0.001	88	173928	22.4	
71 cis-1,3-Dichloropropene	75	5.574	5.568	0.006	91	243517	22.8	
72 4-Methyl-2-pentanone (MIBK)	43	5.732	5.732	0.0	95	899995	130.3	
73 Toluene	92	5.842	5.842	0.0	93	402430	24.3	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	93	213427	22.0	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	86	115517	24.4	
79 Tetrachloroethene	166	6.365	6.359	0.006	87	156459	23.8	
82 2-Hexanone	43	6.560	6.560	0.0	89	644983	132.7	
83 Chlorodibromomethane	129	6.687	6.687	0.0	84	125180	22.4	
84 Ethylene Dibromide	107	6.767	6.767	0.001	98	142454	24.4	
85 Chlorobenzene	112	7.253	7.253	0.0	94	439722	24.7	
88 Ethylbenzene	91	7.363	7.363	0.0	98	708602	24.2	
90 m-Xylene & p-Xylene	106	7.484	7.484	0.0	98	574891	48.2	
91 o-Xylene	106	7.898	7.892	0.006	95	295270	24.7	
92 Styrene	104	7.929	7.928	0.001	94	490997	24.7	
93 Bromoform	173	8.148	8.147	0.001	94	66180	17.8	
95 Isopropylbenzene	105	8.287	8.287	0.0	96	735988	24.5	
98 1,1,2,2-Tetrachloroethane	83	8.707	8.701	0.006	94	188322	24.1	
110 1,3-Dichlorobenzene	146	9.614	9.614	0.0	96	350744	25.0	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	89	346140	24.7	
116 1,2-Dichlorobenzene	146	10.088	10.082	0.006	97	325111	25.6	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	69	24703	22.1	
119 1,2,4-Trichlorobenzene	180	11.560	11.560	0.0	93	192570	26.0	
S 126 Xylenes, Total	1				0		72.9	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26414.b\N2074.D

Injection Date: 21-Oct-2013 19:35:30

Instrument ID: HP5973N

Operator ID: LH

Lims ID: 480-47807-A-10 MSD

Lab Sample ID:

Worklist Smp#: 27

Client ID:

Purge Vol: 5.000 mL

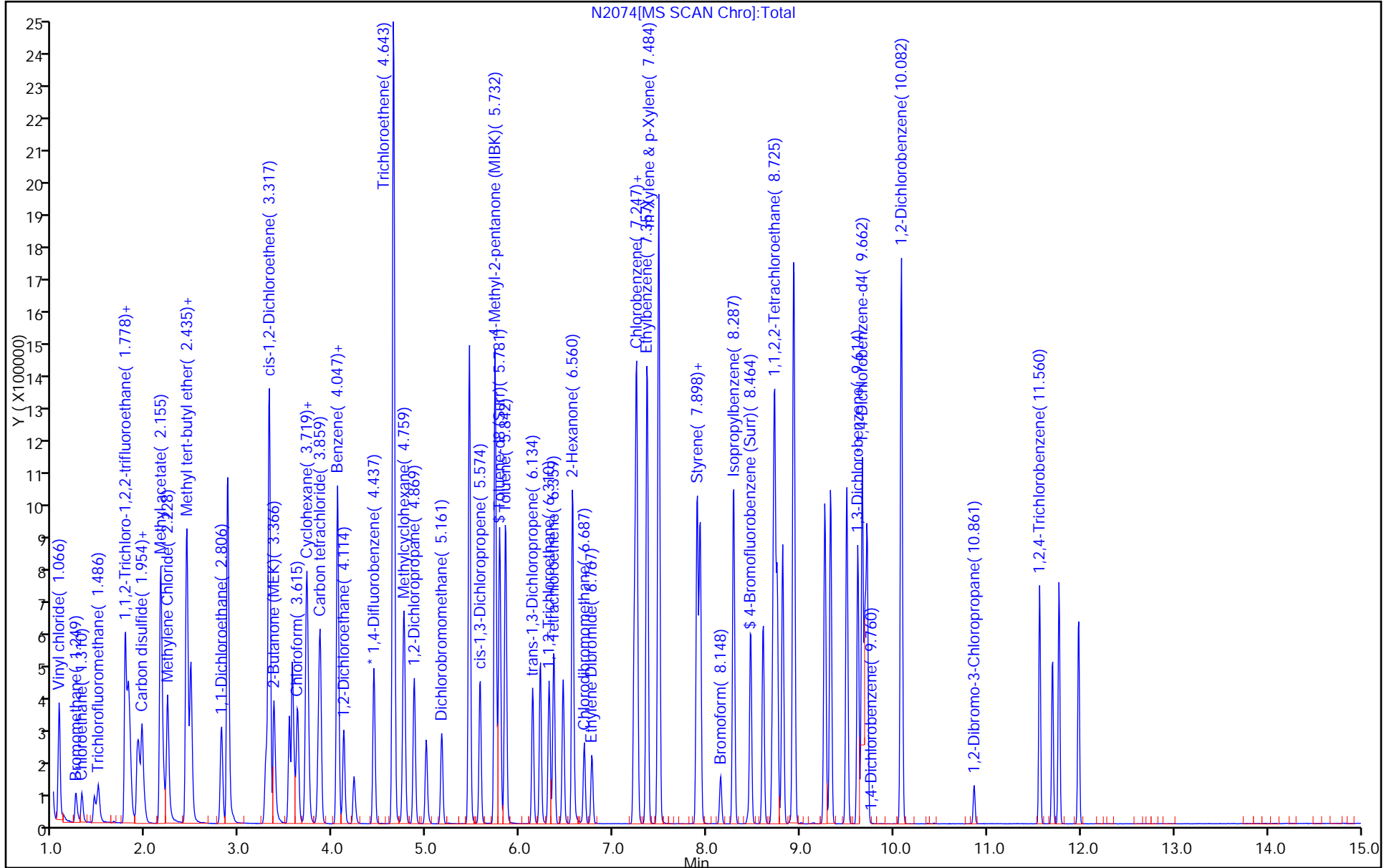
Dil. Factor: 1000.0000

ALS Bottle#: 53

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: Duplicate MSD Lab Sample ID: 480-47807-10 MSD
 Matrix: Water Lab File ID: N2102.D
 Analysis Method: 8260C Date Collected: 10/10/2013 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 10/22/2013 08:16
 Soil Aliquot Vol: _____ Dilution Factor: 2000
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 146447 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	51500		2000	1600
79-34-5	1,1,2,2-Tetrachloroethane	49100		2000	420
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	51100		2000	620
79-00-5	1,1,2-Trichloroethane	51000		2000	460
75-34-3	1,1-Dichloroethane	52900		2000	760
75-35-4	1,1-Dichloroethene	56000		2000	580
120-82-1	1,2,4-Trichlorobenzene	54900		2000	820
96-12-8	1,2-Dibromo-3-Chloropropane	48300		2000	780
106-93-4	1,2-Dibromoethane	50500		2000	1500
95-50-1	1,2-Dichlorobenzene	52500		2000	1600
107-06-2	1,2-Dichloroethane	51600		2000	420
78-87-5	1,2-Dichloropropane	49800		2000	1400
541-73-1	1,3-Dichlorobenzene	51300		2000	1600
106-46-7	1,4-Dichlorobenzene	50100		2000	1700
78-93-3	2-Butanone (MEK)	263000		20000	2600
591-78-6	2-Hexanone	244000		10000	2500
108-10-1	4-Methyl-2-pentanone (MIBK)	242000		10000	4200
67-64-1	Acetone	280000		20000	6000
71-43-2	Benzene	52900		2000	820
75-27-4	Bromodichloromethane	48600		2000	780
75-25-2	Bromoform	38900		2000	520
74-83-9	Bromomethane	38100		2000	1400
75-15-0	Carbon disulfide	45200		2000	380
56-23-5	Carbon tetrachloride	49500		2000	540
108-90-7	Chlorobenzene	51800		2000	1500
75-00-3	Chloroethane	66500		2000	640
67-66-3	Chloroform	50800		2000	680
74-87-3	Chloromethane	53500		2000	700
156-59-2	cis-1,2-Dichloroethene	105000		2000	1600
10061-01-5	cis-1,3-Dichloropropene	47900		2000	720
110-82-7	Cyclohexane	44700		2000	360
124-48-1	Dibromochloromethane	46700		2000	640
75-71-8	Dichlorodifluoromethane	49900		2000	1400
100-41-4	Ethylbenzene	50400		2000	1500
98-82-8	Isopropylbenzene	50400		2000	1600

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1
 SDG No.: _____
 Client Sample ID: Duplicate MSD Lab Sample ID: 480-47807-10 MSD
 Matrix: Water Lab File ID: N2102.D
 Analysis Method: 8260C Date Collected: 10/10/2013 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 10/22/2013 08:16
 Soil Aliquot Vol: _____ Dilution Factor: 2000
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 146447 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	50900		2000	1000
1634-04-4	Methyl tert-butyl ether	49800		2000	320
108-87-2	Methylcyclohexane	47300		2000	320
75-09-2	Methylene Chloride	51600		2000	880
100-42-5	Styrene	51300		2000	1500
127-18-4	Tetrachloroethene	51900		2000	720
108-88-3	Toluene	51000		2000	1000
156-60-5	trans-1,2-Dichloroethene	52600		2000	1800
10061-02-6	trans-1,3-Dichloropropene	46400		2000	740
79-01-6	Trichloroethene	146000		2000	920
75-69-4	Trichlorofluoromethane	60400		2000	1800
75-01-4	Vinyl chloride	57900		2000	1800
1330-20-7	Xylenes, Total	153000		4000	1300

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		66-137
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
2037-26-5	Toluene-d8 (Surr)	99		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2102.D
 Lims ID: 480-47807-B-10 MSD Lab Sample ID:
 Client ID:
 Sample Type: MSD
 Inject. Date: 22-Oct-2013 08:16:30 ALS Bottle#: 22 Worklist Smp#: 30
 Purge Vol: 5.000 mL Dil. Factor: 2000.0000
 Sample Info: 480-47807-B-10 MSD
 Misc. Info.: 480-0026435-030
 Operator ID: RAL Instrument ID: HP5973N
 Method: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 22-Oct-2013 14:45:01 Calib Date: 10-Oct-2013 15:23:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20131010-26086.b\N1572.D
 Column 1 : ZB-624 (0.25 mm) Detector MS SCAN
 Process Host: XAWRK036

First Level Reviewer: nguyendudziaknq

Date: 22-Oct-2013 14:45:04

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.437	4.437	0.0	91	369028	20.0	
* 2 Chlorobenzene-d5	117	7.223	7.223	0.0	85	319231	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.693	9.693	0.0	68	159947	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.041	4.041	0.0	50	165788	24.5	
\$ 6 Toluene-d8 (Surr)	98	5.781	5.781	0.0	80	572972	24.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.470	8.470	0.0	88	162131	24.1	
11 Dichlorodifluoromethane	85	0.902	0.908	-0.006	86	129576	25.0	
13 Chloromethane	50	0.987	0.993	-0.006	89	165996	26.7	
14 Vinyl chloride	62	1.066	1.066	0.0	84	163811	29.0	
15 Bromomethane	94	1.243	1.255	-0.012	89	47426	19.0	
16 Chloroethane	64	1.310	1.322	-0.012	94	82782	33.3	
18 Trichlorofluoromethane	101	1.444	1.450	-0.006	84	151863	30.2	
22 1,1-Dichloroethene	96	1.809	1.809	0.001	87	121872	28.0	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.827	1.827	0.0	81	103162	25.5	
23 Acetone	43	1.906	1.906	0.0	98	258843	139.8	
25 Carbon disulfide	76	1.955	1.955	0.001	98	375642	22.6	
28 Methyl acetate	43	2.155	2.161	-0.006	95	180995	25.5	
30 Methylene Chloride	84	2.228	2.228	0.0	82	169441	25.8	
33 trans-1,2-Dichloroethene	96	2.429	2.435	-0.006	69	158286	26.3	
32 Methyl tert-butyl ether	73	2.435	2.435	0.0	90	524379	24.9	
36 1,1-Dichloroethane	63	2.806	2.806	0.0	85	299356	26.5	
43 cis-1,2-Dichloroethene	96	3.317	3.317	0.0	65	351844	52.4	
44 2-Butanone (MEK)	43	3.366	3.366	0.0	98	417694	131.3	
50 Chloroform	83	3.621	3.621	0.0	72	263244	25.4	
51 1,1,1-Trichloroethane	97	3.713	3.713	0.0	87	211308	25.7	
52 Cyclohexane	56	3.719	3.719	0.0	89	251593	22.3	
53 Carbon tetrachloride	117	3.847	3.847	0.001	80	179093	24.7	
55 Benzene	78	4.047	4.047	0.0	97	666776	26.5	
57 1,2-Dichloroethane	62	4.114	4.114	0.0	91	213808	25.8	
60 Trichloroethene	95	4.643	4.643	0.0	92	437674	73.0	
62 Methylcyclohexane	83	4.759	4.759	0.0	89	266372	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63	4.869	4.869	0.0	95	166742	24.9	
67 Dichlorobromomethane	83	5.161	5.161	0.0	89	185943	24.3	
71 cis-1,3-Dichloropropene	75	5.574	5.574	0.0	91	252096	23.9	
72 4-Methyl-2-pentanone (MIBK)	43	5.732	5.732	0.0	96	837400	121.2	
73 Toluene	92	5.848	5.842	0.006	92	422976	25.5	
75 trans-1,3-Dichloropropene	75	6.134	6.134	0.0	92	225442	23.2	
78 1,1,2-Trichloroethane	83	6.310	6.310	0.0	85	120995	25.5	
79 Tetrachloroethene	166	6.365	6.359	0.006	90	170449	26.0	
82 2-Hexanone	43	6.560	6.560	0.0	88	594564	122.2	
83 Chlorodibromomethane	129	6.688	6.688	0.0	85	130607	23.3	
84 Ethylene Dibromide	107	6.767	6.767	0.0	97	147838	25.3	
85 Chlorobenzene	112	7.253	7.253	0.0	94	460498	25.9	
88 Ethylbenzene	91	7.363	7.363	0.0	98	737609	25.2	
90 m-Xylene & p-Xylene	106	7.485	7.484	0.0	98	602599	50.5	
91 o-Xylene	106	7.892	7.892	0.0	95	308214	25.7	
92 Styrene	104	7.929	7.929	0.0	94	510169	25.6	
93 Bromoform	173	8.148	8.148	0.0	95	72623	19.4	
95 Isopropylbenzene	105	8.288	8.288	0.0	95	767087	25.2	
98 1,1,2,2-Tetrachloroethane	83	8.701	8.701	0.0	91	194465	24.6	
110 1,3-Dichlorobenzene	146	9.614	9.614	0.0	97	365615	25.7	
113 1,4-Dichlorobenzene	146	9.717	9.717	0.0	88	356150	25.1	
116 1,2-Dichlorobenzene	146	10.088	10.082	0.006	97	338380	26.2	
117 1,2-Dibromo-3-Chloropropane	75	10.861	10.861	0.0	67	27337	24.2	
119 1,2,4-Trichlorobenzene	180	11.561	11.560	0.0	94	206339	27.4	
S 126 Xylenes, Total	1				0		76.2	

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973N\20131021-26435.b\N2102.D

Injection Date: 22-Oct-2013 08:16:30

Instrument ID: HP5973N

Operator ID: RAL

Lims ID: 480-47807-B-10 MSD

Lab Sample ID:

Worklist Smp#: 30

Client ID:

Purge Vol: 5.000 mL

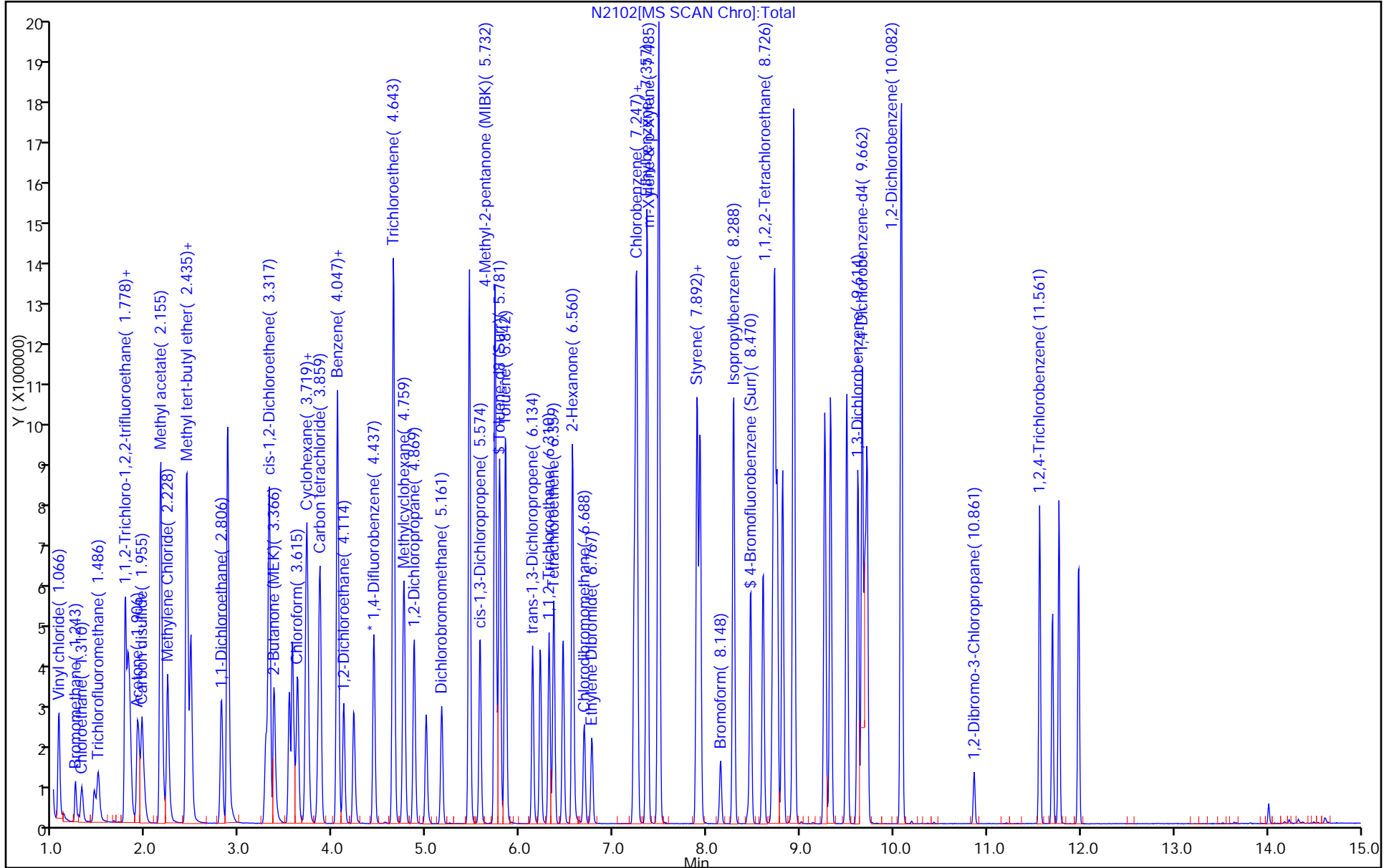
Dil. Factor: 2000.0000

ALS Bottle#: 22

Method: N-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1

SDG No.: _____

Instrument ID: HP5973N Start Date: 10/09/2013 22:47

Analysis Batch Number: 143841 End Date: 10/10/2013 03:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-143841/2		10/09/2013 22:47	1	N1544.D	ZB-624 (60) 0.25 (mm)
IC 480-143841/4		10/09/2013 23:33	1	N1546.D	ZB-624 (60) 0.25 (mm)
IC 480-143841/5		10/10/2013 00:13	1	N1547.D	ZB-624 (60) 0.25 (mm)
IC 480-143841/6		10/10/2013 00:37	1	N1548.D	ZB-624 (60) 0.25 (mm)
ICIS 480-143841/7		10/10/2013 01:01	1	N1549.D	ZB-624 (60) 0.25 (mm)
IC 480-143841/8		10/10/2013 01:25	1	N1550.D	ZB-624 (60) 0.25 (mm)
IC 480-143841/9		10/10/2013 01:48	1	N1551.D	ZB-624 (60) 0.25 (mm)
ICV 480-143841/11		10/10/2013 02:36	1		ZB-624 (60) 0.25 (mm)
MDLV 480-143841/13		10/10/2013 03:23	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-47807-1

SDG No.: _____

Instrument ID: HP5973NStart Date: 10/21/2013 09:16Analysis Batch Number: 146247End Date: 10/21/2013 19:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-146247/2		10/21/2013 09:16	1	N2049.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-146247/3		10/21/2013 09:41	1	N2050.D	ZB-624 (60) 0.25 (mm)
LCS 480-146247/4		10/21/2013 10:17	1	N2051.D	ZB-624 (60) 0.25 (mm)
MB 480-146247/5		10/21/2013 10:41	1	N2052.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		10/21/2013 11:12	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/21/2013 11:36	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/21/2013 12:01	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/21/2013 12:49	8		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/21/2013 13:13	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/21/2013 14:01	2		ZB-624 (60) 0.25 (mm)
480-47807-1	MW-2	10/21/2013 14:25	1	N2061.D	ZB-624 (60) 0.25 (mm)
480-47807-2	MW-11	10/21/2013 14:48	1	N2062.D	ZB-624 (60) 0.25 (mm)
480-47807-3	MW-10	10/21/2013 15:12	1	N2063.D	ZB-624 (60) 0.25 (mm)
480-47807-4	MW-6	10/21/2013 15:36	1	N2064.D	ZB-624 (60) 0.25 (mm)
480-47807-5	MW-12	10/21/2013 16:00	1	N2065.D	ZB-624 (60) 0.25 (mm)
480-47807-6	MW-3	10/21/2013 16:24	1	N2066.D	ZB-624 (60) 0.25 (mm)
480-47807-7	MW-8R	10/21/2013 16:48	1000	N2067.D	ZB-624 (60) 0.25 (mm)
480-47807-8	MW-13S	10/21/2013 17:12	1000	N2068.D	ZB-624 (60) 0.25 (mm)
480-47807-9	Rinse Blank	10/21/2013 17:36	1	N2069.D	ZB-624 (60) 0.25 (mm)
480-47807-10	Duplicate	10/21/2013 18:00	1000	N2070.D	ZB-624 (60) 0.25 (mm)
480-47807-11	Trip Blank	10/21/2013 18:24	1	N2071.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		10/21/2013 18:48	1		ZB-624 (60) 0.25 (mm)
480-47807-10 MS	Duplicate MS	10/21/2013 19:12	1000	N2073.D	ZB-624 (60) 0.25 (mm)
480-47807-10 MSD	Duplicate MSD	10/21/2013 19:35	1000	N2074.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-47807-1

SDG No.: _____

Instrument ID: HP5973N Start Date: 10/21/2013 20:54

Analysis Batch Number: 146447 End Date: 10/22/2013 08:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-146447/1		10/21/2013 20:54	1	N2075.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-146447/2		10/21/2013 21:19	1	N2076.D	ZB-624 (60) 0.25 (mm)
LCS 480-146447/3		10/21/2013 22:05	1	N2077.D	ZB-624 (60) 0.25 (mm)
MB 480-146447/4		10/21/2013 22:28	1	N2078.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		10/21/2013 22:52	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/21/2013 23:17	1		ZB-624 (60) 0.25 (mm)
480-47807-10 DL	Duplicate DL	10/21/2013 23:59	2000	N2081.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		10/22/2013 00:23	20		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/22/2013 00:47	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/22/2013 01:10	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/22/2013 01:34	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/22/2013 01:57	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/22/2013 02:21	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/22/2013 02:45	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		10/22/2013 03:09	20		ZB-624 (60) 0.25 (mm)
480-47807-10 MS	Duplicate MS	10/22/2013 07:53	2000	N2101.D	ZB-624 (60) 0.25 (mm)
480-47807-10 MSD	Duplicate MSD	10/22/2013 08:16	2000	N2102.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA Worksheet

Batch Number: 480-146247

Date Open: Oct 21 2013 9:16AM

Method: 8260C

Batch End:

Analyst: Hill, Leah C

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	60COMP_WRK_00057	8260+_SS_WRK_00053
BFB~480-146247/2		8260C			1 uL	1 uL	HP5973N		
CCVIS~480-146247/3		8260C			5 mL	5 mL	HP5973N	12.5 uL	12.5 uL
LCS~480-146247/4		8260C			5 mL	5 mL	HP5973N	12.5 uL	12.5 uL
MB~480-146247/5		8260C			5 mL	5 mL	HP5973N		
LCS~480-146006/1-A		8260C			100 uL	5 mL	HP5973N		
MB~480-146006/2-A		8260C			100 uL	5 mL	HP5973N		
480-48244-A-1-A		8260C	T		100 uL	5 mL	HP5973N		
480-47807-A-1	MW-2	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47807-A-2	MW-11	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47807-A-3	MW-10	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47807-A-4	MW-6	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47807-A-5	MW-12	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47807-A-6	MW-3	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47807-A-7	MW-8R	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47807-A-8	MW-13S	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47807-A-9	Rinse Blank	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47807-A-10	Duplicate	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47807-A-11	Trip Blank	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47878-C-5	MW-08	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-48300-C-1	GM-18R	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47807-A-10~MS		8260C	T	<2 SU	5 mL	5 mL	HP5973N	12.5 uL	12.5 uL
480-47807-A-10~MS D		8260C	T	<2 SU	5 mL	5 mL	HP5973N	12.5 uL	12.5 uL
480-48244-A-1-A		8260C	T		100 uL	5 mL	HP5973N		
480-47711-A-27-B		8260C	T		100 uL	5 mL	HP5973N		

GC/MS VOA Worksheet

Batch Number: 480-146247

Date Open: Oct 21 2013 9:16AM

Method: 8260C

Batch End:

Analyst: Hill, Leah C

Lab ID	Client ID	Method Chain	Basis	BFB_WRK_00030	N_8260_IS_00064	N_8260_Surr_00074
BFB~480-146247/2		8260C		1 uL		
CCVIS~480-146247/3		8260C			1 uL	1 uL
LCS~480-146247/4		8260C			1 uL	1 uL
MB~480-146247/5		8260C			1 uL	1 uL
LCS~480-146006/1-A		8260C			1 uL	
MB~480-146006/2-A		8260C			1 uL	
480-48244-A-1-A		8260C	T		1 uL	
480-47807-A-1	MW-2	8260C	T		1 uL	1 uL
480-47807-A-2	MW-11	8260C	T		1 uL	1 uL
480-47807-A-3	MW-10	8260C	T		1 uL	1 uL
480-47807-A-4	MW-6	8260C	T		1 uL	1 uL
480-47807-A-5	MW-12	8260C	T		1 uL	1 uL
480-47807-A-6	MW-3	8260C	T		1 uL	1 uL
480-47807-A-7	MW-8R	8260C	T		1 uL	1 uL
480-47807-A-8	MW-13S	8260C	T		1 uL	1 uL
480-47807-A-9	Rinse Blank	8260C	T		1 uL	1 uL
480-47807-A-10	Duplicate	8260C	T		1 uL	1 uL
480-47807-A-11	Trip Blank	8260C	T		1 uL	1 uL
480-47878-C-5	MW-08	8260C	T		1 uL	1 uL
480-48300-C-1	GM-18R	8260C	T		1 uL	1 uL
480-47807-A-10~MS		8260C	T		1 uL	1 uL
480-47807-A-10~MS		8260C	T		1 uL	1 uL
D						
480-48244-A-1-A		8260C	T		1 uL	
480-47711-A-27-B		8260C	T		1 uL	

GC/MS VOA Worksheet

Batch Number: 480-146447

Date Open: Oct 21 2013 8:54PM

Method: 8260C

Batch End:

Analyst: Nguyen-Dudziak, Nhu Quynh

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	60COMP_WRK_00057	8260+_SS_WRK_00053
BFB~480-146447/1		8260C			1 uL	1 uL	HP5973N		
CCVIS~480-146447/2		8260C			5 mL	5 mL	HP5973N	12.5 uL	12.5 uL
LCS~480-146447/3		8260C			5 mL	5 mL	HP5973N	12.5 uL	12.5 uL
MB~480-146447/4		8260C			5 mL	5 mL	HP5973N		
LCS~480-145380/1-A					100 uL	5 mL	HP5973N		
MB~480-145380/2-A					100 uL	5 mL	HP5973N		
480-47807-B-10	Duplicate	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47878-C-4	MW-07	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47868-I-1	MW-13S	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47868-I-2	MW-14S	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47868-I-3	MW-15S	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47868-I-4	MW-6S2	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47868-I-5	MW-7S	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47868-I-6	MW-DUP	8260C	T	<2 SU	5 mL	5 mL	HP5973N		
480-47957-E-1	LEACHATE	8260C	T	7 SU	5 mL	5 mL	HP5973N		
480-47807-B-10~MS		8260C	T	<2 SU	5 mL	5 mL	HP5973N	12.5 uL	12.5 uL
480-47807-B-10~MS D		8260C	T	<2 SU	5 mL	5 mL	HP5973N	12.5 uL	12.5 uL

GC/MS VOA Worksheet

Batch Number: 480-146447
 Method: 8260C
 Analyst: Nguyen-Dudziak, Nhu Quynh

Date Open: Oct 21 2013 8:54PM
 Batch End:

Lab ID	Client ID	Method Chain	Basis	BFB_WRK_00030	N_8260_IS_00064	N_8260_Surr_00074
BFB~480-146447/1		8260C		1 uL		
CCVIS~480-146447/2		8260C			1 uL	1 uL
LCS~480-146447/3		8260C			1 uL	1 uL
MB~480-146447/4		8260C			1 uL	1 uL
LCS~480-145380/1-A					1 uL	
MB~480-145380/2-A					1 uL	
480-47807-B-10	Duplicate	8260C	T		1 uL	1 uL
480-47878-C-4	MW-07	8260C	T		1 uL	1 uL
480-47868-I-1	MW-13S	8260C	T		1 uL	1 uL
480-47868-I-2	MW-14S	8260C	T		1 uL	1 uL
480-47868-I-3	MW-15S	8260C	T		1 uL	1 uL
480-47868-I-4	MW-6S2	8260C	T		1 uL	1 uL
480-47868-I-5	MW-7S	8260C	T		1 uL	1 uL
480-47868-I-6	MW-DUP	8260C	T		1 uL	1 uL
480-47957-E-1	LEACHATE	8260C	T		1 uL	1 uL
480-47807-B-10~MS		8260C	T		1 uL	1 uL
480-47807-B-10~MS D		8260C	T		1 uL	1 uL

Shipping and Receiving Documents

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes No

Chain of Custody Record

TAL-4124 (1/007)

Client: **AECOM** Project Manager: **Dino Zack** Date: **10/10/13** Chain of Custody Number: **237612**

Address: **100 Corporate Plaza Suite 341** Telephone Number (Area Code)/Fax Number: **716-836-4506** Lab Number: **Buf** Page: **1** of **1**

City: **Amherst NY** State: **NY** Site Contact: **D. Zack** Lab Contact: **B. Fischer** Analysis (Attach list if more space is needed):

Project Name and Location (State): **Former South Avonlea, NY** Carrier/Waybill Number:

Contract/Purchase Order/Quote No.:

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives					Special Instructions/ Conditions of Receipt		
			Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH		ZnAc/NaOH	
MW-2	10/9/13	1045	X										
MW-11	10/9/13	1125	X										
MW-10	10/9/13	1240	X										
MW-6	10/10/13	1300	X										
MW-12	10/10/13	1430	X										
MW-3	10/10/13	1345	X										
MW-8R	10/10/13	1410	X										
MW-13S	10/10/13	1520	X										
Rinse	10/10/13	1210	X										
Duplicate	10/10/13	1215	X										
Trip	10/10/13		X										

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown 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: **5TD**

1. Relinquished By: **[Signature]** Date: **10/10/13** Time: **1605**

2. Relinquished By: **[Signature]** Date: **10/11/13** Time: **11:30**

3. Relinquished By: **[Signature]** Date: **10/11/13** Time: **11:30**

Received By: **[Signature]** Date: **10/11/13** Time: **10:30**

Received By: **[Signature]** Date: **10/11/13** Time: **11:30**

Received By: **[Signature]** Date: **10/11/13** Time: **11:30**

Comments: **TA BUFFALO**

2 **41.0**

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-47807-1

Login Number: 47807

List Source: TestAmerica Buffalo

List Number: 1

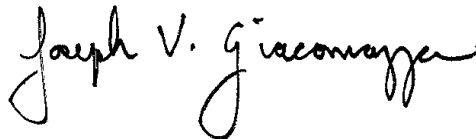
Creator: Robison, Zachary J

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	

ANALYTICAL REPORT

Job Number: 480-47899-1
Job Description: Scott Aviation site

For:
AECOM, Inc.
100 Corporate Parkway
Suite 341
Amherst, NY 14226
Attention: Mr. Dino Zack



Approved for release.
Joe V Giacomazza
Project Administrator
10/23/2013 11:57 AM

Designee for
Brian J Fischer, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9835
brian.fischer@testamericainc.com
10/23/2013

cc: Ms. Helen Jones

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

TestAmerica Laboratories, Inc.

TestAmerica Buffalo 10 Hazelwood Drive, Amherst, NY 14228-2298
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Job Narrative
480-47899-1

Receipt

The sample was received on 10/11/2013 10:10 AM; the sample arrived in good condition, properly preserved and, where required, on ice.

Air Toxics

No analytical or quality issues were noted.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-47899-1

SDG No.: _____

Instrument ID: W.i Analysis Batch Number: 61437

Lab Sample ID: IC 200-61437/4 Client Sample ID: _____

Date Analyzed: 09/19/13 10:39 Lab File ID: waj004.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	5.36	Peak not found by the data system	pd	09/19/13 15:45
trans-1,2-Dichloroethene	10.25	Baseline event	pd	09/19/13 15:46
Carbon tetrachloride	13.56	Baseline event	pd	09/19/13 15:47
1,2-Dichloroethane	14.17	Peak not found by the data system	pd	09/19/13 15:47

Lab Sample ID: IC 200-61437/5 Client Sample ID: _____

Date Analyzed: 09/19/13 11:27 Lab File ID: waj005.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	8.45	Baseline event	pd	09/19/13 15:48

Lab Sample ID: IC 200-61437/6 Client Sample ID: _____

Date Analyzed: 09/19/13 12:18 Lab File ID: waj006.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl acetate	12.45	Baseline event	pd	09/19/13 15:50

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-47899-1

SDG No.: _____

Instrument ID: W.i Analysis Batch Number: 63024

Lab Sample ID: MB 200-63024/4 Client Sample ID: _____

Date Analyzed: 10/18/13 15:02 Lab File ID: wajt004.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	9.76	Baseline event	wrd	10/21/13 07:45

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 480-47899-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-47899-21	4Q13 AS Effluent	Air	10/09/2013 0750	10/11/2013 1010

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-47899-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-47899-21	4Q13 AS EFFLUENT					
1,1-Dichloroethane		1.2		0.40	ppb v/v	TO-15
1,1-Dichloroethane		5.0		1.6	ug/m3	TO-15
1,2-Dichloroethene, Total		73		0.40	ppb v/v	TO-15
1,2-Dichloroethene, Total		290		1.6	ug/m3	TO-15
Benzene		0.67		0.40	ppb v/v	TO-15
Benzene		2.2		1.3	ug/m3	TO-15
Carbon disulfide		1.6		1.0	ppb v/v	TO-15
Carbon disulfide		5.1		3.1	ug/m3	TO-15
Chloroethane		15		1.0	ppb v/v	TO-15
Chloroethane		39		2.6	ug/m3	TO-15
cis-1,2-Dichloroethene		72		0.40	ppb v/v	TO-15
cis-1,2-Dichloroethene		290		1.6	ug/m3	TO-15
n-Heptane		0.44		0.40	ppb v/v	TO-15
n-Heptane		1.8		1.6	ug/m3	TO-15
n-Hexane		0.91		0.40	ppb v/v	TO-15
n-Hexane		3.2		1.4	ug/m3	TO-15
Toluene		1.4		0.40	ppb v/v	TO-15
Toluene		5.3		1.5	ug/m3	TO-15
Trichloroethene		16		0.40	ppb v/v	TO-15
Trichloroethene		84		2.1	ug/m3	TO-15
Vinyl chloride		30		0.40	ppb v/v	TO-15
Vinyl chloride		77		1.0	ug/m3	TO-15

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 480-47899-1

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: 480-47899-1

Method	Analyst	Analyst ID
EPA TO-15	Desjardins, William R	WRD

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47899-1

Client Sample ID: 4Q13 AS Effluent

Lab Sample ID: 480-47899-21

Date Sampled: 10/09/2013 0750

Client Matrix: Air

Date Received: 10/11/2013 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-63024	Instrument ID:	W.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	wajt022.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	10/19/2013 0554			Final Weight/Volume:	200 mL
Prep Date:	10/19/2013 0554			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
1,1,1-Trichloroethane	ND		0.40	0.40
1,1,2,2-Tetrachloroethane	ND		0.40	0.40
1,1,2-Trichloroethane	ND		0.40	0.40
1,1-Dichloroethane	1.2		0.40	0.40
1,1-Dichloroethene	ND		0.40	0.40
1,2,4-Trichlorobenzene	ND		1.0	1.0
1,2,4-Trimethylbenzene	ND		0.40	0.40
1,2-Dibromoethane	ND		0.40	0.40
1,2-Dichlorobenzene	ND		0.40	0.40
1,2-Dichloroethane	ND		0.40	0.40
1,2-Dichloroethene, Total	73		0.40	0.40
1,2-Dichloropropane	ND		0.40	0.40
1,2-Dichlorotetrafluoroethane	ND		0.40	0.40
1,3,5-Trimethylbenzene	ND		0.40	0.40
1,3-Butadiene	ND		0.40	0.40
1,3-Dichlorobenzene	ND		0.40	0.40
1,4-Dichlorobenzene	ND		0.40	0.40
1,4-Dioxane	ND		10	10
2,2,4-Trimethylpentane	ND		0.40	0.40
2-Chlorotoluene	ND		0.40	0.40
3-Chloropropene	ND		1.0	1.0
4-Ethyltoluene	ND		0.40	0.40
Acetone	ND		10	10
Benzene	0.67		0.40	0.40
Bromodichloromethane	ND		0.40	0.40
Bromoethene(Vinyl Bromide)	ND		0.40	0.40
Bromoform	ND		0.40	0.40
Bromomethane	ND		0.40	0.40
Carbon disulfide	1.6		1.0	1.0
Carbon tetrachloride	ND		0.40	0.40
Chlorobenzene	ND		0.40	0.40
Chloroethane	15		1.0	1.0
Chloroform	ND		0.40	0.40
Chloromethane	ND		1.0	1.0
cis-1,2-Dichloroethene	72		0.40	0.40
cis-1,3-Dichloropropene	ND		0.40	0.40
Cyclohexane	ND		0.40	0.40
Dibromochloromethane	ND		0.40	0.40
Dichlorodifluoromethane	ND		1.0	1.0
Ethylbenzene	ND		0.40	0.40
Freon TF	ND		0.40	0.40
Hexachlorobutadiene	ND		0.40	0.40
Isopropyl alcohol	ND		10	10
m,p-Xylene	ND		1.0	1.0
Methyl Butyl Ketone (2-Hexanone)	ND		1.0	1.0
Methyl Ethyl Ketone	ND		1.0	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47899-1

Client Sample ID: 4Q13 AS Effluent

Lab Sample ID: 480-47899-21

Date Sampled: 10/09/2013 0750

Client Matrix: Air

Date Received: 10/11/2013 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-63024	Instrument ID:	W.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	wajt022.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	10/19/2013 0554			Final Weight/Volume:	200 mL
Prep Date:	10/19/2013 0554			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
methyl isobutyl ketone	ND		1.0	1.0
Methyl tert-butyl ether	ND		0.40	0.40
Methylene Chloride	ND		1.0	1.0
n-Heptane	0.44		0.40	0.40
n-Hexane	0.91		0.40	0.40
Styrene	ND		0.40	0.40
tert-Butyl alcohol	ND		10	10
Tetrachloroethene	ND		0.40	0.40
Tetrahydrofuran	ND		10	10
Toluene	1.4		0.40	0.40
trans-1,2-Dichloroethene	ND		0.40	0.40
trans-1,3-Dichloropropene	ND		0.40	0.40
Trichloroethene	16		0.40	0.40
Trichlorofluoromethane	ND		0.40	0.40
Vinyl chloride	30		0.40	0.40
Xylene (total)	ND		0.40	0.40
Xylene, o-	ND		0.40	0.40

Analyte	Result (ug/m3)	Qualifier	RL	RL
1,1,1-Trichloroethane	ND		2.2	2.2
1,1,2,2-Tetrachloroethane	ND		2.7	2.7
1,1,2-Trichloroethane	ND		2.2	2.2
1,1-Dichloroethane	5.0		1.6	1.6
1,1-Dichloroethene	ND		1.6	1.6
1,2,4-Trichlorobenzene	ND		7.4	7.4
1,2,4-Trimethylbenzene	ND		2.0	2.0
1,2-Dibromoethane	ND		3.1	3.1
1,2-Dichlorobenzene	ND		2.4	2.4
1,2-Dichloroethane	ND		1.6	1.6
1,2-Dichloroethene, Total	290		1.6	1.6
1,2-Dichloropropane	ND		1.8	1.8
1,2-Dichlorotetrafluoroethane	ND		2.8	2.8
1,3,5-Trimethylbenzene	ND		2.0	2.0
1,3-Butadiene	ND		0.88	0.88
1,3-Dichlorobenzene	ND		2.4	2.4
1,4-Dichlorobenzene	ND		2.4	2.4
1,4-Dioxane	ND		36	36
2,2,4-Trimethylpentane	ND		1.9	1.9
2-Chlorotoluene	ND		2.1	2.1
3-Chloropropene	ND		3.1	3.1
4-Ethyltoluene	ND		2.0	2.0
Acetone	ND		24	24
Benzene	2.2		1.3	1.3
Bromodichloromethane	ND		2.7	2.7
Bromoethene(Vinyl Bromide)	ND		1.7	1.7
Bromoform	ND		4.1	4.1

Analytical Data

Client: AECOM, Inc.

Job Number: 480-47899-1

Client Sample ID: 4Q13 AS Effluent

Lab Sample ID: 480-47899-21

Date Sampled: 10/09/2013 0750

Client Matrix: Air

Date Received: 10/11/2013 1010

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-63024	Instrument ID:	W.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	wajt022.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	10/19/2013 0554			Final Weight/Volume:	200 mL
Prep Date:	10/19/2013 0554			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL	RL
Bromomethane	ND		1.6	1.6
Carbon disulfide	5.1		3.1	3.1
Carbon tetrachloride	ND		2.5	2.5
Chlorobenzene	ND		1.8	1.8
Chloroethane	39		2.6	2.6
Chloroform	ND		2.0	2.0
Chloromethane	ND		2.1	2.1
cis-1,2-Dichloroethene	290		1.6	1.6
cis-1,3-Dichloropropene	ND		1.8	1.8
Cyclohexane	ND		1.4	1.4
Dibromochloromethane	ND		3.4	3.4
Dichlorodifluoromethane	ND		4.9	4.9
Ethylbenzene	ND		1.7	1.7
Freon TF	ND		3.1	3.1
Hexachlorobutadiene	ND		4.3	4.3
Isopropyl alcohol	ND		25	25
m,p-Xylene	ND		4.3	4.3
Methyl Butyl Ketone (2-Hexanone)	ND		4.1	4.1
Methyl Ethyl Ketone	ND		2.9	2.9
methyl isobutyl ketone	ND		4.1	4.1
Methyl tert-butyl ether	ND		1.4	1.4
Methylene Chloride	ND		3.5	3.5
n-Heptane	1.8		1.6	1.6
n-Hexane	3.2		1.4	1.4
Styrene	ND		1.7	1.7
tert-Butyl alcohol	ND		30	30
Tetrachloroethene	ND		2.7	2.7
Tetrahydrofuran	ND		29	29
Toluene	5.3		1.5	1.5
trans-1,2-Dichloroethene	ND		1.6	1.6
trans-1,3-Dichloropropene	ND		1.8	1.8
Trichloroethene	84		2.1	2.1
Trichlorofluoromethane	ND		2.2	2.2
Vinyl chloride	77		1.0	1.0
Xylene (total)	ND		1.7	1.7
Xylene, o-	ND		1.7	1.7

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-47899-1

Method Blank - Batch: 200-63024

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-63024/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 10/18/2013 1502
 Prep Date: 10/18/2013 1502
 Leach Date: N/A

Analysis Batch: 200-63024
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: W.i
 Lab File ID: wajt004.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

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

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-47899-1

Method Blank - Batch: 200-63024

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-63024/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 10/18/2013 1502
 Prep Date: 10/18/2013 1502
 Leach Date: N/A

Analysis Batch: 200-63024
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: W.i
 Lab File ID: wajt004.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

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

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-47899-1

Method Blank - Batch: 200-63024

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-63024/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 10/18/2013 1502
 Prep Date: 10/18/2013 1502
 Leach Date: N/A

Analysis Batch: 200-63024
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/m3

Instrument ID: W.i
 Lab File ID: wajt004.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

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

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-47899-1

Method Blank - Batch: 200-63024

Lab Sample ID: MB 200-63024/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 10/18/2013 1502
 Prep Date: 10/18/2013 1502
 Leach Date: N/A

Analysis Batch: 200-63024
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/m3

Method: TO-15

Preparation: Summa Canister

Instrument ID: W.i
 Lab File ID: wajt004.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

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

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-47899-1

Lab Control Sample - Batch: 200-63024

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: LCS 200-63024/3	Analysis Batch: 200-63024	Instrument ID: W.i
Client Matrix: Air	Prep Batch: N/A	Lab File ID: wajt003.d
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 200 mL
Analysis Date: 10/18/2013 1412	Units: ppb v/v	Final Weight/Volume: 200 mL
Prep Date: 10/18/2013 1412		Injection Volume: 200 mL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	10.0	10.8	108	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	10.6	107	70 - 130	
1,1,2-Trichloroethane	10.0	10.2	102	70 - 130	
1,1-Dichloroethane	10.0	10.4	104	70 - 130	
1,1-Dichloroethene	10.0	11.9	119	70 - 130	
1,2,4-Trichlorobenzene	10.0	11.7	117	70 - 130	
1,2,4-Trimethylbenzene	10.0	11.3	113	70 - 130	
1,2-Dibromoethane	10.0	10.8	108	70 - 130	
1,2-Dichlorobenzene	10.0	11.1	111	70 - 130	
1,2-Dichloroethane	10.0	10.4	104	70 - 130	
1,2-Dichloropropane	10.0	10.4	104	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	10.5	105	70 - 130	
1,3,5-Trimethylbenzene	10.0	11.3	113	70 - 130	
1,3-Butadiene	10.0	9.13	91	70 - 130	
1,3-Dichlorobenzene	10.0	11.5	115	70 - 130	
1,4-Dichlorobenzene	10.0	11.6	116	70 - 130	
1,4-Dioxane	10.0	9.88	99	70 - 130	
2,2,4-Trimethylpentane	10.0	10.8	108	70 - 130	
2-Chlorotoluene	10.0	11.6	116	70 - 130	
3-Chloropropene	10.0	9.74	97	70 - 130	
4-Ethyltoluene	10.0	12.0	120	70 - 130	
Acetone	10.0	10.9	109	70 - 130	
Benzene	10.0	10.7	107	70 - 130	
Bromodichloromethane	10.0	11.3	113	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	11.1	111	70 - 130	
Bromoform	10.0	12.8	128	70 - 130	
Bromomethane	10.0	8.64	86	70 - 130	
Carbon disulfide	10.0	10.8	108	70 - 130	
Carbon tetrachloride	10.0	11.3	113	70 - 130	
Chlorobenzene	10.0	10.6	106	70 - 130	
Chloroethane	10.0	10.4	104	70 - 130	
Chloroform	10.0	10.6	106	70 - 130	
Chloromethane	10.0	10.1	101	70 - 130	
cis-1,2-Dichloroethene	10.0	11.0	110	70 - 130	
cis-1,3-Dichloropropene	10.0	10.9	109	70 - 130	
Cyclohexane	10.0	11.1	111	70 - 130	
Dibromochloromethane	10.0	12.1	121	70 - 130	
Dichlorodifluoromethane	10.0	10.6	106	70 - 130	
Ethylbenzene	10.0	10.9	109	70 - 130	
Freon TF	10.0	11.6	116	70 - 130	
Hexachlorobutadiene	10.0	11.9	119	70 - 130	
Isopropyl alcohol	10.0	10.0	100	70 - 130	
m,p-Xylene	20.0	22.0	110	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.3	103	70 - 130	
Methyl Ethyl Ketone	10.0	9.68	97	70 - 130	
methyl isobutyl ketone	10.0	10.4	104	70 - 130	

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-47899-1

Lab Control Sample - Batch: 200-63024

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: LCS 200-63024/3	Analysis Batch: 200-63024	Instrument ID: W.i
Client Matrix: Air	Prep Batch: N/A	Lab File ID: wajt003.d
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 200 mL
Analysis Date: 10/18/2013 1412	Units: ppb v/v	Final Weight/Volume: 200 mL
Prep Date: 10/18/2013 1412		Injection Volume: 200 mL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Methyl tert-butyl ether	10.0	10.9	109	70 - 130	
Methylene Chloride	10.0	10.6	106	70 - 130	
n-Heptane	10.0	9.69	97	70 - 130	
n-Hexane	10.0	10.5	105	70 - 130	
Styrene	10.0	11.2	112	70 - 130	
tert-Butyl alcohol	10.0	10.4	104	70 - 130	
Tetrachloroethene	10.0	11.0	110	70 - 130	
Tetrahydrofuran	10.0	10.3	103	70 - 130	
Toluene	10.0	10.7	107	70 - 130	
trans-1,2-Dichloroethene	10.0	10.4	104	70 - 130	
trans-1,3-Dichloropropene	10.0	10.8	108	70 - 130	
Trichloroethene	10.0	10.7	107	70 - 130	
Trichlorofluoromethane	10.0	10.6	106	70 - 130	
Vinyl chloride	10.0	9.46	95	70 - 130	
Xylene, o-	10.0	10.9	109	70 - 130	

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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Quality Control Results

Client: AECOM, Inc.

Job Number: 480-47899-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-63024					
LCS 200-63024/3	Lab Control Sample	T	Air	TO-15	
MB 200-63024/4	Method Blank	T	Air	TO-15	
480-47899-21	4Q13 AS Effluent	T	Air	TO-15	

Report Basis

T = Total

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-47899-1

Laboratory Chronicle

Lab ID: 480-47899-21

Client ID: 4Q13 AS Effluent

Sample Date/Time: 10/09/2013 07:50

Received Date/Time: 10/11/2013 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	480-47899-A-21		200-63024		10/19/2013 05:54	2	TAL BUR	WRD
A:TO-15	480-47899-A-21		200-63024		10/19/2013 05:54	2	TAL BUR	WRD

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 200-63024/4		200-63024		10/18/2013 15:02	1	TAL BUR	WRD
A:TO-15	MB 200-63024/4		200-63024		10/18/2013 15:02	1	TAL BUR	WRD

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 200-63024/3		200-63024		10/18/2013 14:12	1	TAL BUR	WRD
A:TO-15	LCS 200-63024/3		200-63024		10/18/2013 14:12	1	TAL BUR	WRD

Lab References:

TAL BUR = TestAmerica Burlington

Certification Summary

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-47899-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA
TestAmerica Burlington	Florida	NELAP	4	E87467
TestAmerica Burlington	L-A-B	DoD ELAP		L2336
TestAmerica Burlington	Louisiana	NELAP	6	176292
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAP	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAP	1	2006
TestAmerica Burlington	New Jersey	NELAP	2	VT972
TestAmerica Burlington	New York	NELAP	2	10391
TestAmerica Burlington	Pennsylvania	NELAP	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	US Fish & Wildlife	Federal		LE-058448-0
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAP	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

T015

Volatile Organic Compounds in
Ambient Air

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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: wajt003.d
 Lab ID: LCS 200-63024/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	10.0	10.8	108	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.6	107	70-130	
1,1,2-Trichloroethane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	10.4	104	70-130	
1,1-Dichloroethene	10.0	11.9	119	70-130	
1,2,4-Trichlorobenzene	10.0	11.7	117	70-130	
1,2,4-Trimethylbenzene	10.0	11.3	113	70-130	
1,2-Dibromoethane	10.0	10.8	108	70-130	
1,2-Dichlorobenzene	10.0	11.1	111	70-130	
1,2-Dichloroethane	10.0	10.4	104	70-130	
1,2-Dichloropropane	10.0	10.4	104	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.5	105	70-130	
1,3,5-Trimethylbenzene	10.0	11.3	113	70-130	
1,3-Butadiene	10.0	9.13	91	70-130	
1,3-Dichlorobenzene	10.0	11.5	115	70-130	
1,4-Dichlorobenzene	10.0	11.6	116	70-130	
1,4-Dioxane	10.0	9.88	99	70-130	
2,2,4-Trimethylpentane	10.0	10.8	108	70-130	
2-Chlorotoluene	10.0	11.6	116	70-130	
3-Chloropropene	10.0	9.74	97	70-130	
4-Ethyltoluene	10.0	12.0	120	70-130	
Acetone	10.0	10.9	109	70-130	
Benzene	10.0	10.7	107	70-130	
Bromodichloromethane	10.0	11.3	113	70-130	
Bromoethene (Vinyl Bromide)	10.0	11.1	111	70-130	
Bromoform	10.0	12.8	128	70-130	
Bromomethane	10.0	8.64	86	70-130	
Carbon disulfide	10.0	10.8	108	70-130	
Carbon tetrachloride	10.0	11.3	113	70-130	
Chlorobenzene	10.0	10.6	106	70-130	
Chloroethane	10.0	10.4	104	70-130	
Chloroform	10.0	10.6	106	70-130	
Chloromethane	10.0	10.1	101	70-130	
cis-1,2-Dichloroethene	10.0	11.0	110	70-130	
cis-1,3-Dichloropropene	10.0	10.9	109	70-130	
Cyclohexane	10.0	11.1	111	70-130	
Dibromochloromethane	10.0	12.1	121	70-130	
Dichlorodifluoromethane	10.0	10.6	106	70-130	
Ethylbenzene	10.0	10.9	109	70-130	
Freon TF	10.0	11.6	116	70-130	
Hexachlorobutadiene	10.0	11.9	119	70-130	
Isopropyl alcohol	10.0	10.0	100	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.: 480-47899-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: wajt003.d
 Lab ID: LCS 200-63024/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
m,p-Xylene	20.0	22.0	110	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.3	103	70-130	
Methyl Ethyl Ketone	10.0	9.68	97	70-130	
methyl isobutyl ketone	10.0	10.4	104	70-130	
Methyl tert-butyl ether	10.0	10.9	109	70-130	
Methylene Chloride	10.0	10.6	106	70-130	
n-Heptane	10.0	9.69	97	70-130	
n-Hexane	10.0	10.5	105	70-130	
Styrene	10.0	11.2	112	70-130	
tert-Butyl alcohol	10.0	10.4	104	70-130	
Tetrachloroethene	10.0	11.0	110	70-130	
Tetrahydrofuran	10.0	10.3	103	70-130	
Toluene	10.0	10.7	107	70-130	
trans-1,2-Dichloroethene	10.0	10.4	104	70-130	
trans-1,3-Dichloropropene	10.0	10.8	108	70-130	
Trichloroethene	10.0	10.7	107	70-130	
Trichlorofluoromethane	10.0	10.6	106	70-130	
Vinyl chloride	10.0	9.46	95	70-130	
Xylene, o-	10.0	10.9	109	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.: 480-47899-1
 SDG No.: _____
 Lab File ID: wajt004.d Lab Sample ID: MB 200-63024/4
 Matrix: Air Heated Purge: (Y/N) N
 Instrument ID: W.i Date Analyzed: 10/18/2013 15:02
 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 200-63024/3	wajt003.d	10/18/2013 14:12
4Q13 AS Effluent	480-47899-21	wajt022.d	10/19/2013 05:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Lab File ID: waj001.d BFB Injection Date: 09/19/2013
 Instrument ID: W.i BFB Injection Time: 08:14
 Analysis Batch No.: 61437

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.3	
75	30.0 - 66.0% of mass 95	43.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	108.3	
175	4.0 - 9.0 % of mass 174	7.7	(7.1)1
176	93.0 - 101.0% of mass 174	106.1	(98.0)1
177	5.0 - 9.0% of mass 176	7.0	(6.6)2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-61437/4	waj004.d	09/19/2013	10:39
	IC 200-61437/5	waj005.d	09/19/2013	11:27
	IC 200-61437/6	waj006.d	09/19/2013	12:18
	IC 200-61437/7	waj007.d	09/19/2013	13:07
	ICIS 200-61437/8	waj008.d	09/19/2013	13:55
	IC 200-61437/9	waj009.d	09/19/2013	14:43
	IC 200-61437/10	waj010.d	09/19/2013	15:32
	IC 200-61437/11	waj011.d	09/19/2013	16:21
	ICV 200-61437/14	waj014.d	09/19/2013	18:47

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Lab File ID: wajt001.d BFB Injection Date: 10/18/2013
 Instrument ID: W.i BFB Injection Time: 12:33
 Analysis Batch No.: 63024

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.9	
75	30.0 - 66.0% of mass 95	41.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.1	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	114.7	
175	4.0 - 9.0 % of mass 174	8.2	(7.1)1
176	93.0 - 101.0% of mass 174	112.8	(98.3)1
177	5.0 - 9.0% of mass 176	7.5	(6.7)2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-63024/2	wajt002.d	10/18/2013	13:22
	LCS 200-63024/3	wajt003.d	10/18/2013	14:12
	MB 200-63024/4	wajt004.d	10/18/2013	15:02
4Q13 AS Effluent	480-47899-21	wajt022.d	10/19/2013	05:54

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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Sample No.: ICIS 200-61437/8 Date Analyzed: 09/19/2013 13:55
 Instrument ID: W.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): waj008.d Heated Purge: (Y/N) N
 Calibration ID: 23364

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	671547	12.88	3224788	14.77	3031590	20.47	
UPPER LIMIT	940166	13.21	4514703	15.10	4244226	20.80	
LOWER LIMIT	402928	12.55	1934873	14.44	1818954	20.14	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-61437/14		680458	12.89	3284503	14.78	3057932	20.48

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = ± 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.: 480-47899-1
 SDG No.: _____
 Sample No.: CCVIS 200-63024/2 Date Analyzed: 10/18/2013 13:22
 Instrument ID: W.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): wajt002.d Heated Purge: (Y/N) N
 Calibration ID: 23364

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	514354	12.88	2463772	14.77	2291298	20.47	
UPPER LIMIT	720096	13.21	3449281	15.10	3207817	20.80	
LOWER LIMIT	308612	12.55	1478263	14.44	1374779	20.14	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-63024/3	539303	12.87	2583100	14.77	2400140	20.47	
MB 200-63024/4	487302	12.87	2368904	14.77	2128302	20.46	
480-47899-21	4Q13 AS Effluent	419561	12.88	2007521	14.77	1878941	20.47

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = ± 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.: 480-47899-1
 SDG No.: _____
 Client Sample ID: 4Q13 AS Effluent Lab Sample ID: 480-47899-21
 Matrix: Air Lab File ID: wajt022.d
 Analysis Method: TO-15 Date Collected: 10/09/2013 07:50
 Sample wt/vol: 100(mL) Date Analyzed: 10/19/2013 05:54
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 63024 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.40	0.40
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.40	0.40
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.40	0.40
75-34-3	1,1-Dichloroethane	98.96	1.2		0.40	0.40
75-35-4	1,1-Dichloroethene	96.94	ND		0.40	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		1.0	1.0
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.40	0.40
106-93-4	1,2-Dibromoethane	187.87	ND		0.40	0.40
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.40	0.40
107-06-2	1,2-Dichloroethane	98.96	ND		0.40	0.40
540-59-0	1,2-Dichloroethene, Total	96.94	73		0.40	0.40
78-87-5	1,2-Dichloropropane	112.99	ND		0.40	0.40
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.40	0.40
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.40	0.40
106-99-0	1,3-Butadiene	54.09	ND		0.40	0.40
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.40	0.40
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.40	0.40
123-91-1	1,4-Dioxane	88.11	ND		10	10
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.40	0.40
95-49-8	2-Chlorotoluene	126.59	ND		0.40	0.40
107-05-1	3-Chloropropene	76.53	ND		1.0	1.0
622-96-8	4-Ethyltoluene	120.20	ND		0.40	0.40
67-64-1	Acetone	58.08	ND		10	10
71-43-2	Benzene	78.11	0.67		0.40	0.40
75-27-4	Bromodichloromethane	163.83	ND		0.40	0.40
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.40	0.40
75-25-2	Bromoform	252.75	ND		0.40	0.40
74-83-9	Bromomethane	94.94	ND		0.40	0.40
75-15-0	Carbon disulfide	76.14	1.6		1.0	1.0
56-23-5	Carbon tetrachloride	153.81	ND		0.40	0.40
108-90-7	Chlorobenzene	112.56	ND		0.40	0.40
75-00-3	Chloroethane	64.52	15		1.0	1.0
67-66-3	Chloroform	119.38	ND		0.40	0.40

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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Client Sample ID: 4Q13 AS Effluent Lab Sample ID: 480-47899-21
 Matrix: Air Lab File ID: wajt022.d
 Analysis Method: TO-15 Date Collected: 10/09/2013 07:50
 Sample wt/vol: 100(mL) Date Analyzed: 10/19/2013 05:54
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 63024 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	ND		1.0	1.0
156-59-2	cis-1,2-Dichloroethene	96.94	72		0.40	0.40
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.40	0.40
110-82-7	Cyclohexane	84.16	ND		0.40	0.40
124-48-1	Dibromochloromethane	208.29	ND		0.40	0.40
75-71-8	Dichlorodifluoromethane	120.91	ND		1.0	1.0
100-41-4	Ethylbenzene	106.17	ND		0.40	0.40
76-13-1	Freon TF	187.38	ND		0.40	0.40
87-68-3	Hexachlorobutadiene	260.76	ND		0.40	0.40
67-63-0	Isopropyl alcohol	60.10	ND		10	10
179601-23-1	m,p-Xylene	106.17	ND		1.0	1.0
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		1.0	1.0
78-93-3	Methyl Ethyl Ketone	72.11	ND		1.0	1.0
108-10-1	methyl isobutyl ketone	100.16	ND		1.0	1.0
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.40	0.40
75-09-2	Methylene Chloride	84.93	ND		1.0	1.0
142-82-5	n-Heptane	100.21	0.44		0.40	0.40
110-54-3	n-Hexane	86.17	0.91		0.40	0.40
100-42-5	Styrene	104.15	ND		0.40	0.40
75-65-0	tert-Butyl alcohol	74.12	ND		10	10
127-18-4	Tetrachloroethene	165.83	ND		0.40	0.40
109-99-9	Tetrahydrofuran	72.11	ND		10	10
108-88-3	Toluene	92.14	1.4		0.40	0.40
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.40	0.40
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.40	0.40
79-01-6	Trichloroethene	131.39	16		0.40	0.40
75-69-4	Trichlorofluoromethane	137.37	ND		0.40	0.40
75-01-4	Vinyl chloride	62.50	30		0.40	0.40
1330-20-7	Xylene (total)	106.17	ND		0.40	0.40
95-47-6	Xylene, o-	106.17	ND		0.40	0.40

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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Client Sample ID: 4Q13 AS Effluent Lab Sample ID: 480-47899-21
 Matrix: Air Lab File ID: wajt022.d
 Analysis Method: TO-15 Date Collected: 10/09/2013 07:50
 Sample wt/vol: 100(mL) Date Analyzed: 10/19/2013 05:54
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 63024 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	ND		2.2	2.2
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		2.7	2.7
79-00-5	1,1,2-Trichloroethane	133.41	ND		2.2	2.2
75-34-3	1,1-Dichloroethane	98.96	5.0		1.6	1.6
75-35-4	1,1-Dichloroethene	96.94	ND		1.6	1.6
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		7.4	7.4
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		2.0	2.0
106-93-4	1,2-Dibromoethane	187.87	ND		3.1	3.1
95-50-1	1,2-Dichlorobenzene	147.00	ND		2.4	2.4
107-06-2	1,2-Dichloroethane	98.96	ND		1.6	1.6
540-59-0	1,2-Dichloroethene, Total	96.94	290		1.6	1.6
78-87-5	1,2-Dichloropropane	112.99	ND		1.8	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		2.8	2.8
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		2.0	2.0
106-99-0	1,3-Butadiene	54.09	ND		0.88	0.88
541-73-1	1,3-Dichlorobenzene	147.00	ND		2.4	2.4
106-46-7	1,4-Dichlorobenzene	147.00	ND		2.4	2.4
123-91-1	1,4-Dioxane	88.11	ND		36	36
540-84-1	2,2,4-Trimethylpentane	114.23	ND		1.9	1.9
95-49-8	2-Chlorotoluene	126.59	ND		2.1	2.1
107-05-1	3-Chloropropene	76.53	ND		3.1	3.1
622-96-8	4-Ethyltoluene	120.20	ND		2.0	2.0
67-64-1	Acetone	58.08	ND		24	24
71-43-2	Benzene	78.11	2.2		1.3	1.3
75-27-4	Bromodichloromethane	163.83	ND		2.7	2.7
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		1.7	1.7
75-25-2	Bromoform	252.75	ND		4.1	4.1
74-83-9	Bromomethane	94.94	ND		1.6	1.6
75-15-0	Carbon disulfide	76.14	5.1		3.1	3.1
56-23-5	Carbon tetrachloride	153.81	ND		2.5	2.5
108-90-7	Chlorobenzene	112.56	ND		1.8	1.8
75-00-3	Chloroethane	64.52	39		2.6	2.6
67-66-3	Chloroform	119.38	ND		2.0	2.0

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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Client Sample ID: 4Q13 AS Effluent Lab Sample ID: 480-47899-21
 Matrix: Air Lab File ID: wajt022.d
 Analysis Method: TO-15 Date Collected: 10/09/2013 07:50
 Sample wt/vol: 100(mL) Date Analyzed: 10/19/2013 05:54
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 63024 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	ND		2.1	2.1
156-59-2	cis-1,2-Dichloroethene	96.94	290		1.6	1.6
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		1.8	1.8
110-82-7	Cyclohexane	84.16	ND		1.4	1.4
124-48-1	Dibromochloromethane	208.29	ND		3.4	3.4
75-71-8	Dichlorodifluoromethane	120.91	ND		4.9	4.9
100-41-4	Ethylbenzene	106.17	ND		1.7	1.7
76-13-1	Freon TF	187.38	ND		3.1	3.1
87-68-3	Hexachlorobutadiene	260.76	ND		4.3	4.3
67-63-0	Isopropyl alcohol	60.10	ND		25	25
179601-23-1	m,p-Xylene	106.17	ND		4.3	4.3
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		4.1	4.1
78-93-3	Methyl Ethyl Ketone	72.11	ND		2.9	2.9
108-10-1	methyl isobutyl ketone	100.16	ND		4.1	4.1
1634-04-4	Methyl tert-butyl ether	88.15	ND		1.4	1.4
75-09-2	Methylene Chloride	84.93	ND		3.5	3.5
142-82-5	n-Heptane	100.21	1.8		1.6	1.6
110-54-3	n-Hexane	86.17	3.2		1.4	1.4
100-42-5	Styrene	104.15	ND		1.7	1.7
75-65-0	tert-Butyl alcohol	74.12	ND		30	30
127-18-4	Tetrachloroethene	165.83	ND		2.7	2.7
109-99-9	Tetrahydrofuran	72.11	ND		29	29
108-88-3	Toluene	92.14	5.3		1.5	1.5
156-60-5	trans-1,2-Dichloroethene	96.94	ND		1.6	1.6
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		1.8	1.8
79-01-6	Trichloroethene	131.39	84		2.1	2.1
75-69-4	Trichlorofluoromethane	137.37	ND		2.2	2.2
75-01-4	Vinyl chloride	62.50	77		1.0	1.0
1330-20-7	Xylene (total)	106.17	ND		1.7	1.7
95-47-6	Xylene, o-	106.17	ND		1.7	1.7

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 480-47899-21
 Client Smp ID: 4Q AS Effluent
 Inj Date : 19-OCT-2013 05:54
 Operator : wrd Inst ID: W.i
 Smp Info : 480-47899-A-21
 Misc Info : 100,2,tol5all
 Comment :
 Method : /chem/W.i/Wsvr.p/wajtto15.b/tol5v5.m
 Meth Date : 21-Oct-2013 10:46 wrd Quant Type: ISTD
 Cal Date : 19-SEP-2013 11:27 Cal File: waj005.d
 Als bottle: 3
 Dil Factor: 2.00000
 Integrator: HP RTE Compound Sublist: TO15all.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	2.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	100.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85		4.511	4.496	(0.350)	34038	0.27893	0.56(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85		Compound Not Detected.					
5 Chloromethane	50		5.052	5.041	(0.392)	8813	0.25458	0.51(a)
7 Vinyl chloride	62		5.378	5.368	(0.418)	670812	15.1193	30
8 1,3-Butadiene	54		Compound Not Detected.					
9 Bromomethane	94		Compound Not Detected.					
10 Chloroethane	64		6.630	6.619	(0.515)	181511	7.38207	15
12 Vinyl bromide	106		Compound Not Detected.					
13 Trichlorofluoromethane	101		7.229	7.219	(0.561)	15634	0.12137	0.24(a)
17 1,1,2-Trichloro-1,2,2-trifluo	101		8.486	8.470	(0.659)	4066	0.03972	0.079(aQ)
19 1,1-Dichloroethene	96		8.540	8.540	(0.663)	8594	0.17549	0.35(a)
20 Acetone	43		8.791	8.775	(0.683)	98540	1.82156	3.6(a)
21 Carbon disulfide	76		9.027	9.027	(0.701)	113309	0.82091	1.6
22 Isopropanol	45		9.075	9.048	(0.705)	13029	0.29623	0.59(a)
23 Allyl chloride	41		Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
25 Methylene chloride	49	9.754	9.765	(0.757)	4757	0.11136	0.22(aQ)
26 Tert-butyl alcohol	59	Compound Not Detected.					
27 Methyl tert-butyl ether	73	Compound Not Detected.					
28 1,2-Dichloroethene (trans)	61	10.262	10.257	(0.797)	10624	0.16540	0.33(a)
30 n-Hexane	57	10.680	10.680	(0.829)	32434	0.45326	0.91
31 1,1-Dichloroethane	63	11.231	11.226	(0.872)	50292	0.62002	1.2
M 33 1,2-Dichloroethene,Total	61				2060827	36.3737	73
34 1,2-Dichloroethene (cis)	96	12.397	12.402	(0.963)	2050203	36.2083	72
36 Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37 Bromochloromethane	128	12.878	12.884	(1.000)	419561	10.0000	
38 Tetrahydrofuran	42	Compound Not Detected.					
39 Chloroform	83	Compound Not Detected.					
40 Cyclohexane	84	13.290	13.290	(0.900)	7016	0.09514	0.19(aQ)
41 1,1,1-Trichloroethane	97	Compound Not Detected.					
42 Carbon tetrachloride	117	13.552	13.563	(0.918)	4592	0.04088	0.082(a)
43 2,2,4-Trimethylpentane	57	13.954	13.959	(0.945)	21635	0.10019	0.20(a)
44 Benzene	78	14.013	14.013	(0.949)	53178	0.33666	0.67
45 1,2-Dichloroethane	62	Compound Not Detected.					
46 n-Heptane	43	14.296	14.307	(0.968)	16490	0.21843	0.44
* 47 1,4-Difluorobenzene	114	14.767	14.772	(1.000)	2007521	10.0000	
49 Trichloroethene	95	15.232	15.238	(1.032)	564460	7.81851	16
50 1,2-Dichloropropane	63	Compound Not Detected.					
53 1,4-Dioxane	88	15.949	15.933	(1.080)	19548	0.78931	1.6(a)
54 Bromodichloromethane	83	Compound Not Detected.					
55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56 Methyl isobutyl ketone	43	17.345	17.356	(1.175)	3242	0.03771	0.075(a)
58 Toluene	92	17.688	17.693	(0.864)	87434	0.70307	1.4
59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60 1,1,2-Trichloroethane	83	Compound Not Detected.					
61 Tetrachloroethene	166	Compound Not Detected.					
62 2-Hexanone	43	18.982	18.983	(0.927)	3626	0.04834	0.097(a)
63 Dibromochloromethane	129	Compound Not Detected.					
64 1,2-Dibromoethane	107	Compound Not Detected.					
* 65 Chlorobenzene-d5	117	20.470	20.470	(1.000)	1878941	10.0000	
66 Chlorobenzene	112	Compound Not Detected.					
68 Ethylbenzene	91	20.641	20.646	(1.008)	21922	0.08431	0.17(a)
69 Xylene (m,p)	106	20.855	20.860	(1.019)	18309	0.16634	0.33(a)
M 70 Xylenes, Total	106				21705	0.19702	0.39(a)
71 Xylene (o)	106	21.566	21.572	(1.054)	3396	0.03068	0.061(aQ)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					

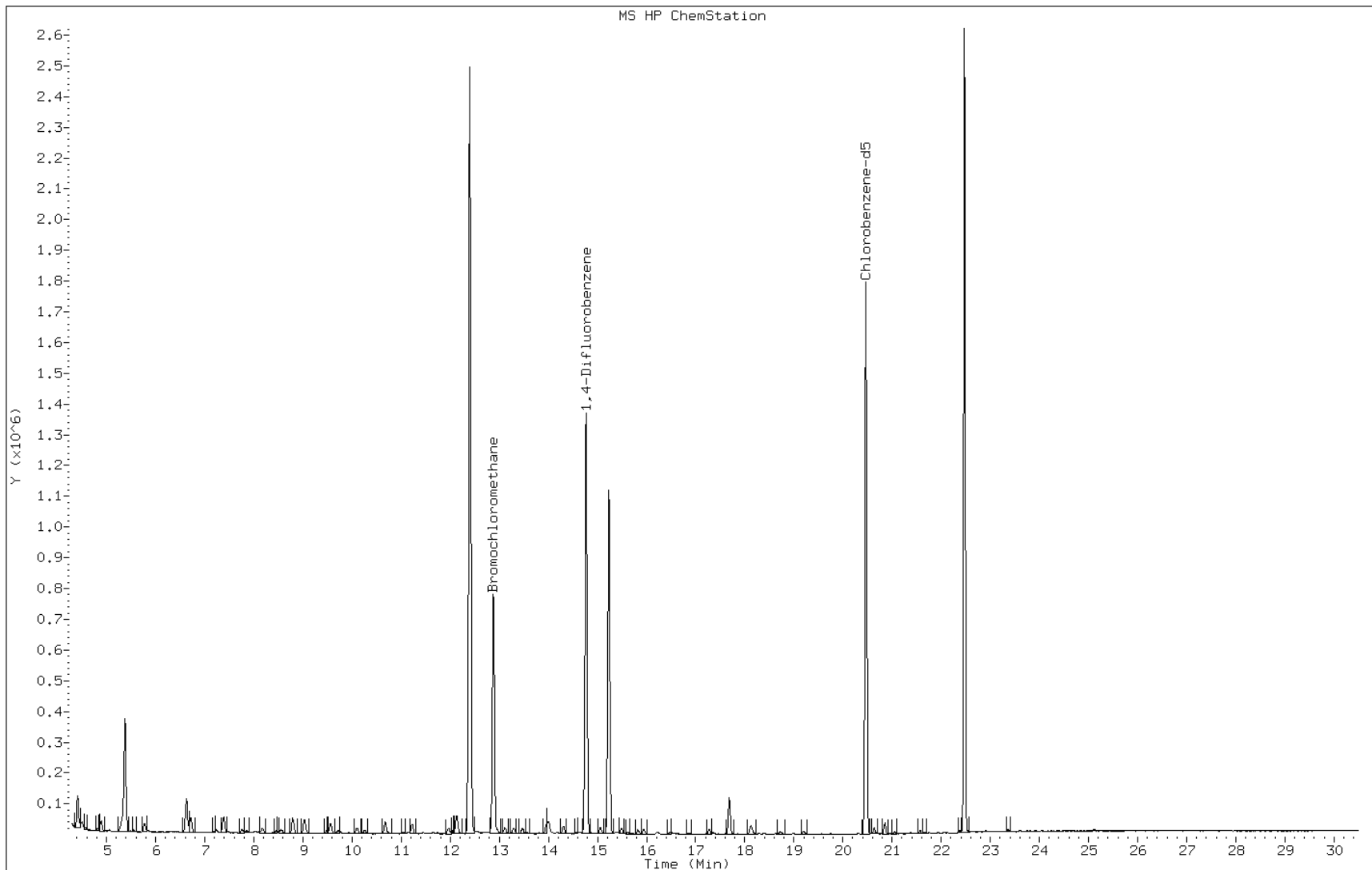
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	====	==	=====	=====	=====	=====	
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: wajt022.d
Client ID: 4Q AS Effluent
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 480-47899-A-21
Lab Sample ID: 480-47899-21

Date: 19-OCT-2013 05:54
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



Data File: wajt022.d

Lab Sample ID: 480-47899-21

Date: 19-OCT-2013 05:54

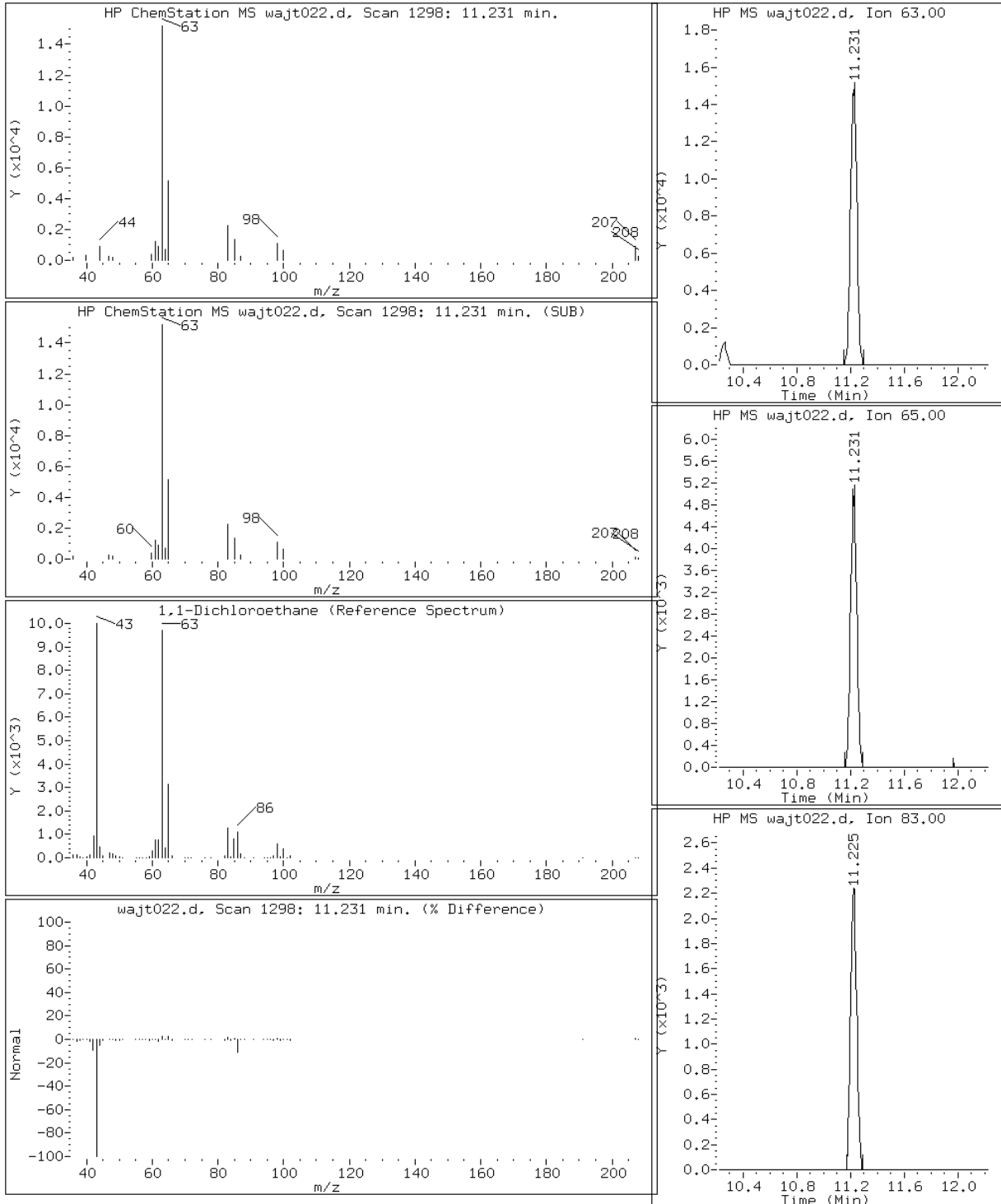
Client ID: 4Q AS Effluent

Instrument: W.i

Sample Info: 480-47899-A-21

Operator: wrd

31 1,1-Dichloroethane



Data File: wajt022.d

Lab Sample ID: 480-47899-21

Date: 19-OCT-2013 05:54

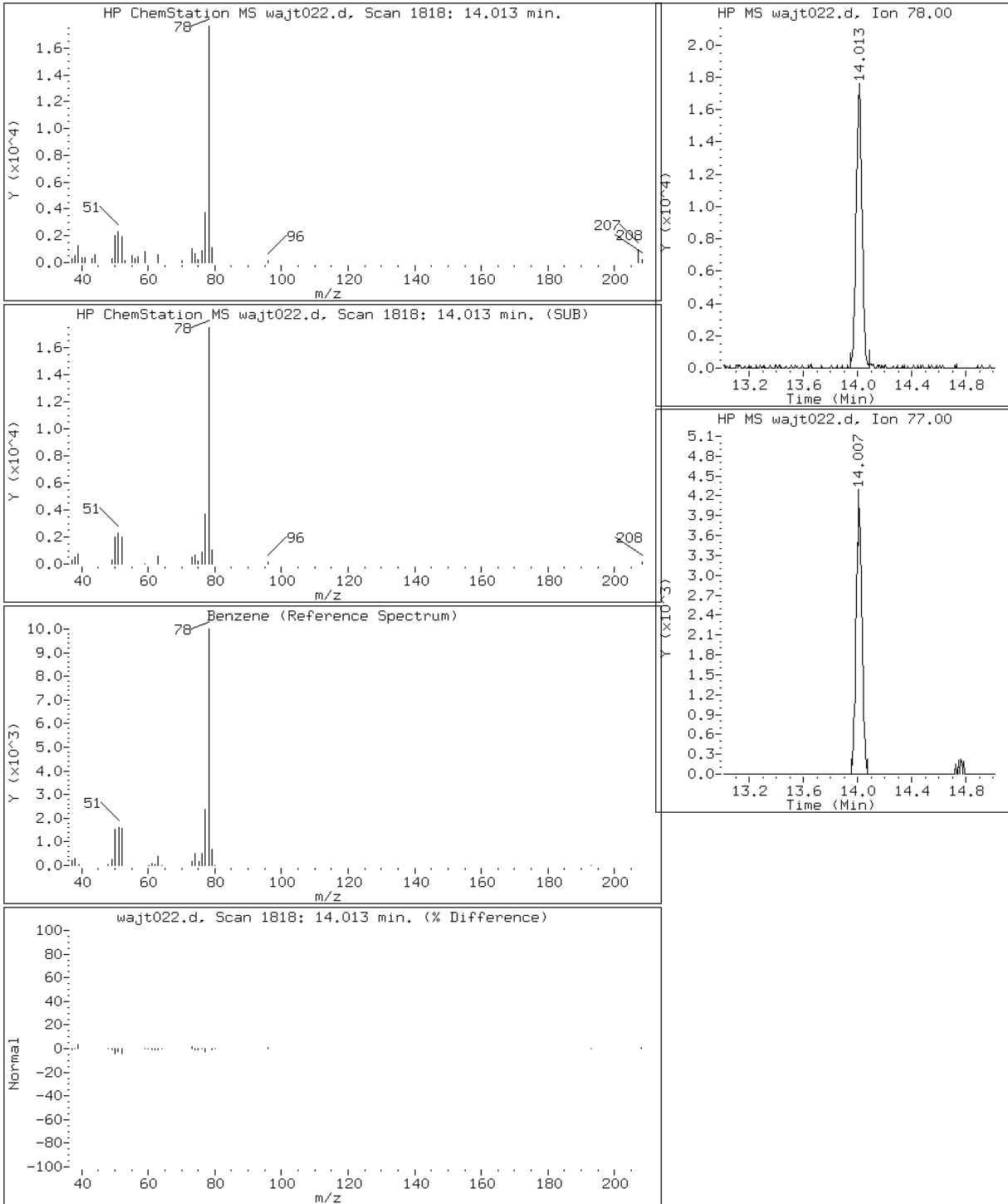
Client ID: 4Q AS Effluent

Instrument: W.i

Sample Info: 480-47899-A-21

Operator: wrd

44 Benzene



Data File: wajt022.d

Lab Sample ID: 480-47899-21

Date: 19-OCT-2013 05:54

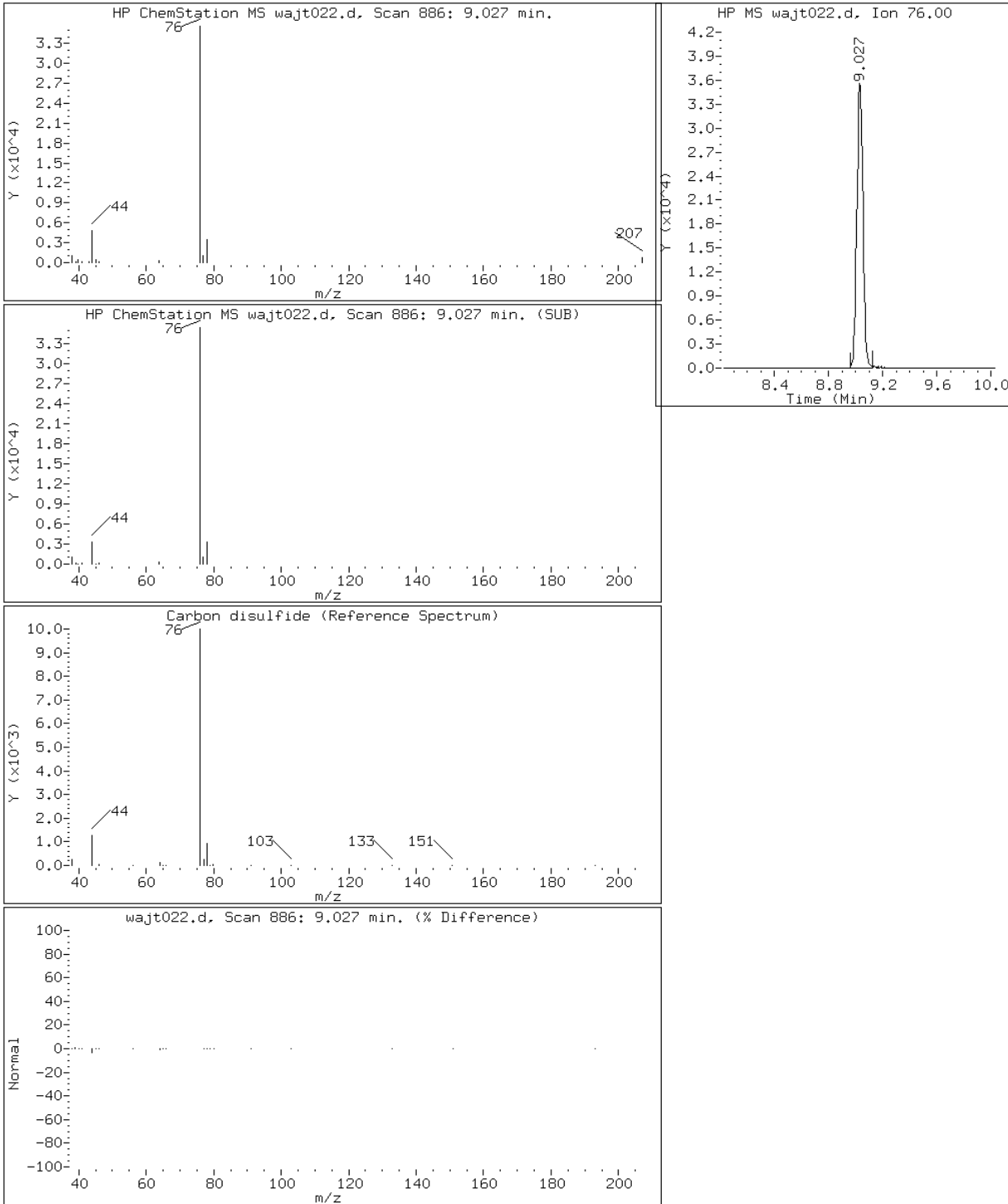
Client ID: 4Q AS Effluent

Instrument: W.i

Sample Info: 480-47899-A-21

Operator: wrd

21 Carbon disulfide



Data File: wajt022.d

Lab Sample ID: 480-47899-21

Date: 19-OCT-2013 05:54

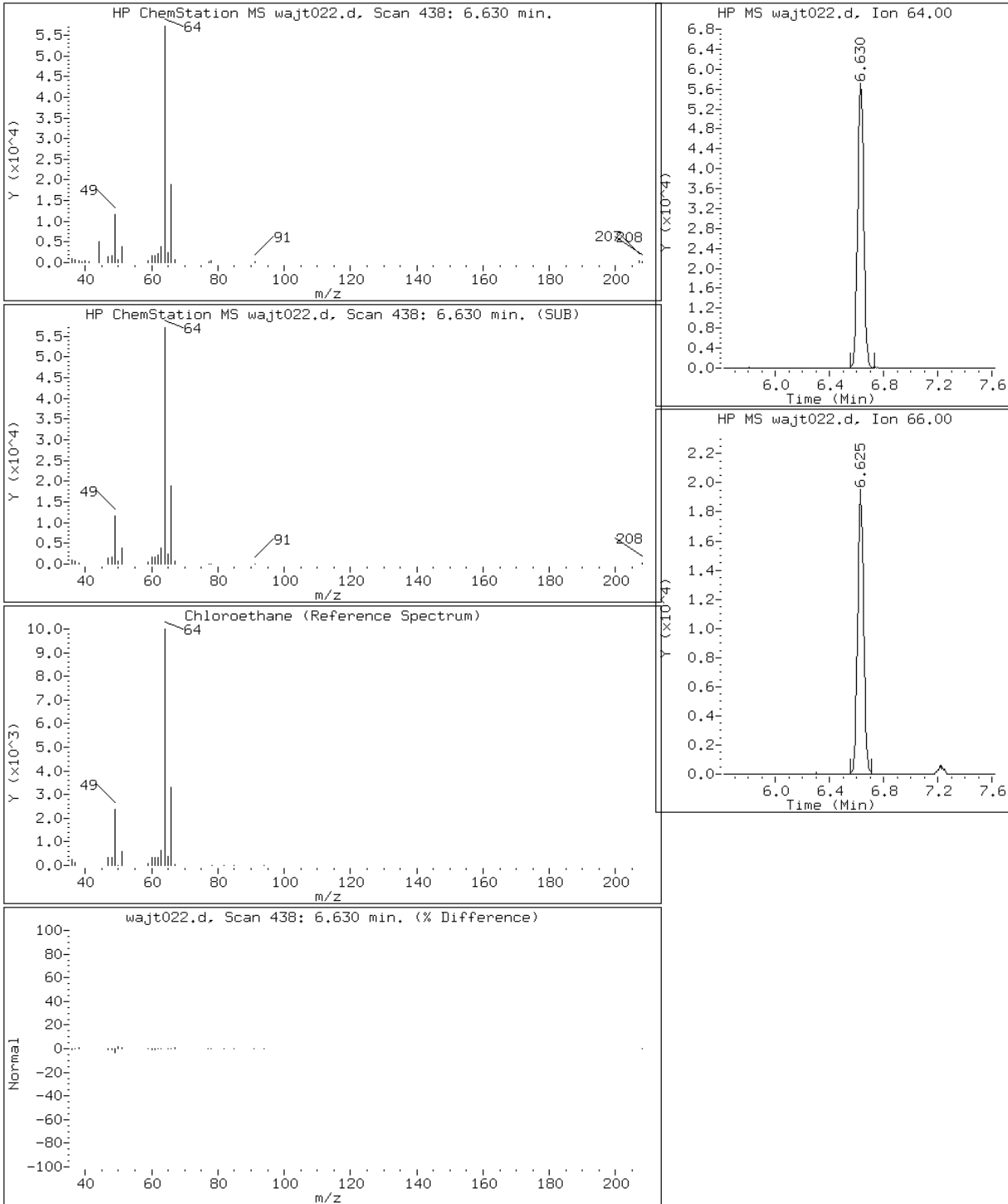
Client ID: 4Q AS Effluent

Instrument: W.i

Sample Info: 480-47899-A-21

Operator: wrd

10 Chloroethane



Data File: wajt022.d

Lab Sample ID: 480-47899-21

Date: 19-OCT-2013 05:54

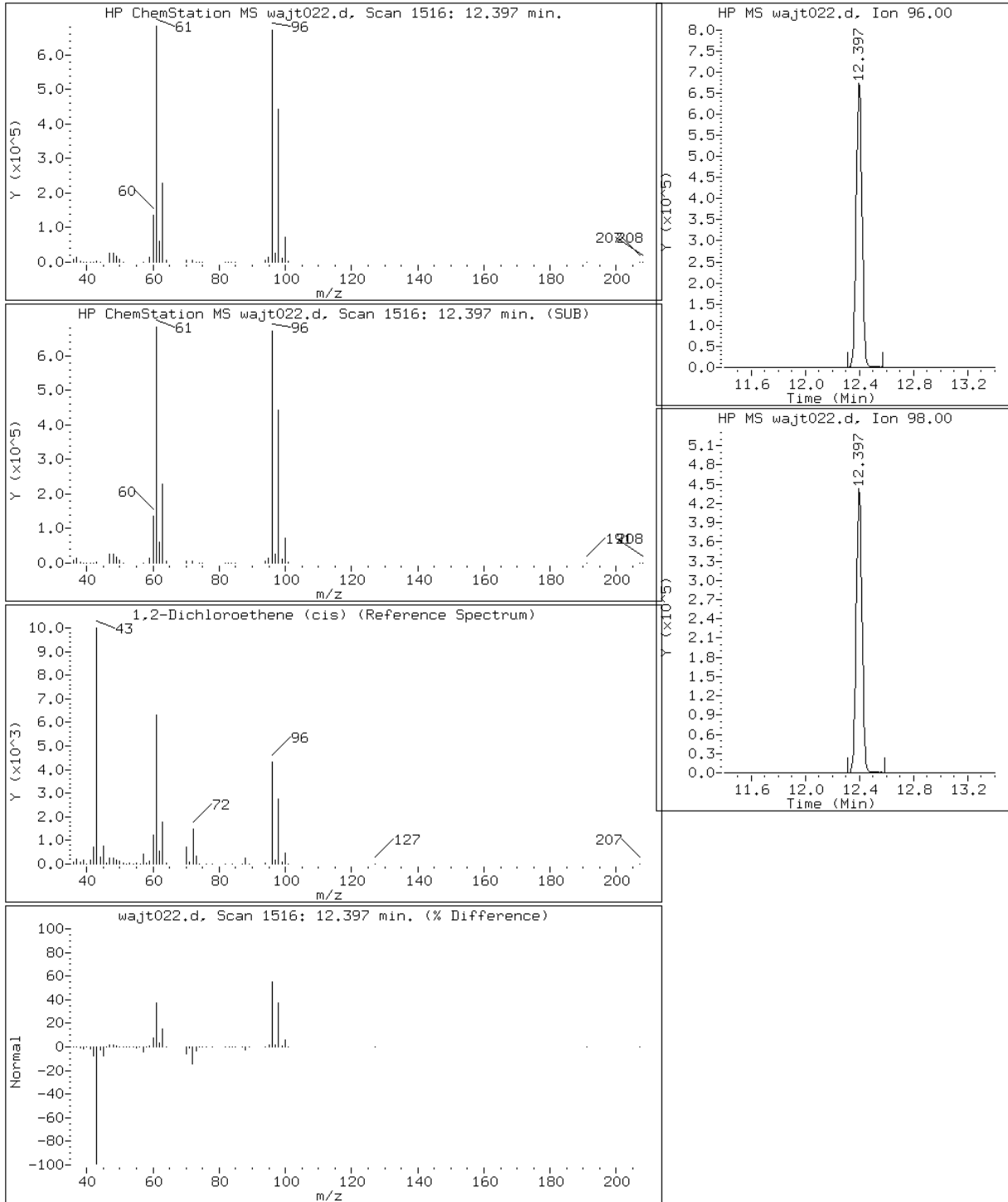
Client ID: 4Q AS Effluent

Instrument: W.i

Sample Info: 480-47899-A-21

Operator: wrd

34 1,2-Dichloroethene (cis)



Data File: wajt022.d

Lab Sample ID: 480-47899-21

Date: 19-OCT-2013 05:54

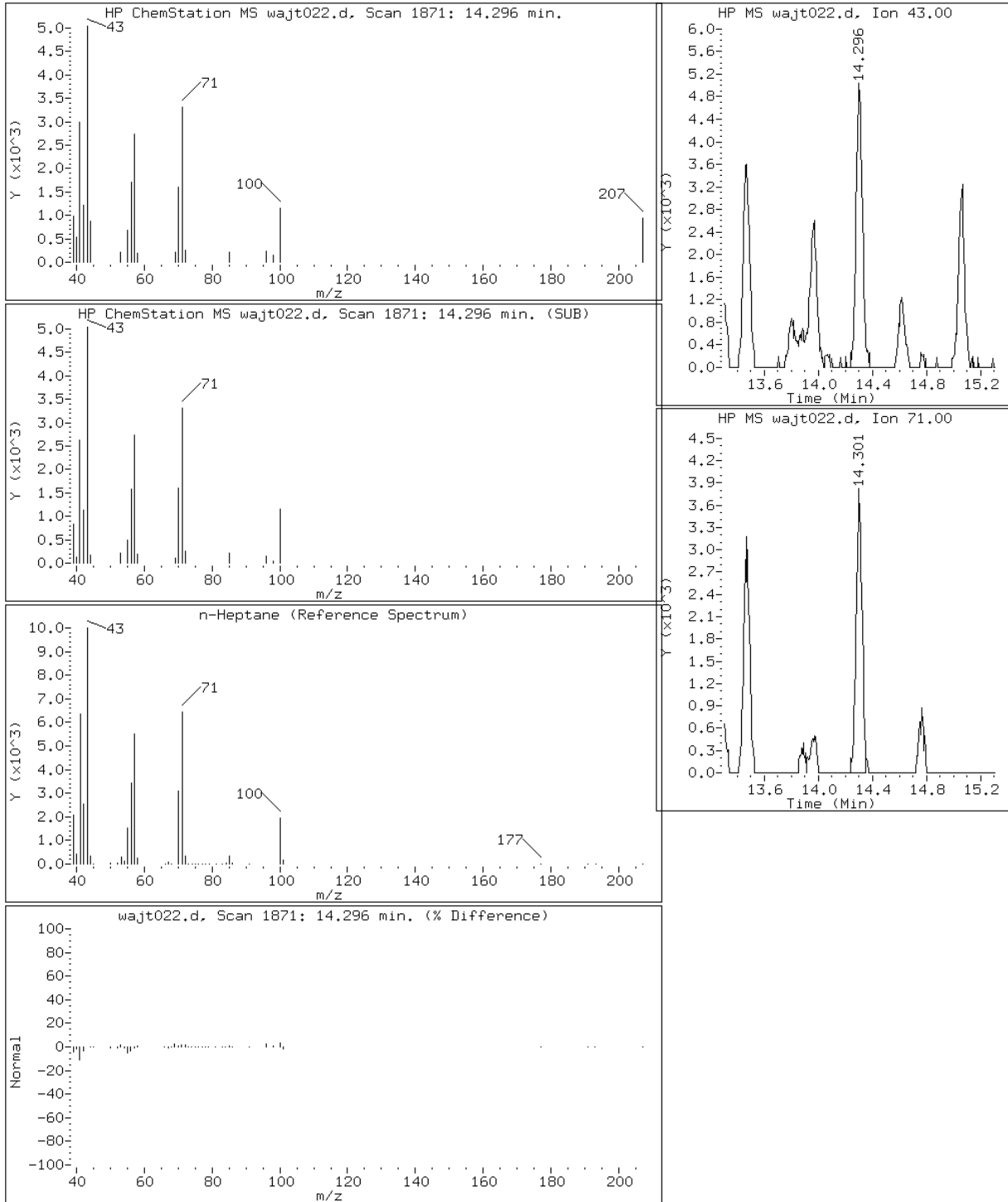
Client ID: 4Q AS Effluent

Instrument: W.i

Sample Info: 480-47899-A-21

Operator: wrd

46 n-Heptane



Data File: wajt022.d

Lab Sample ID: 480-47899-21

Date: 19-OCT-2013 05:54

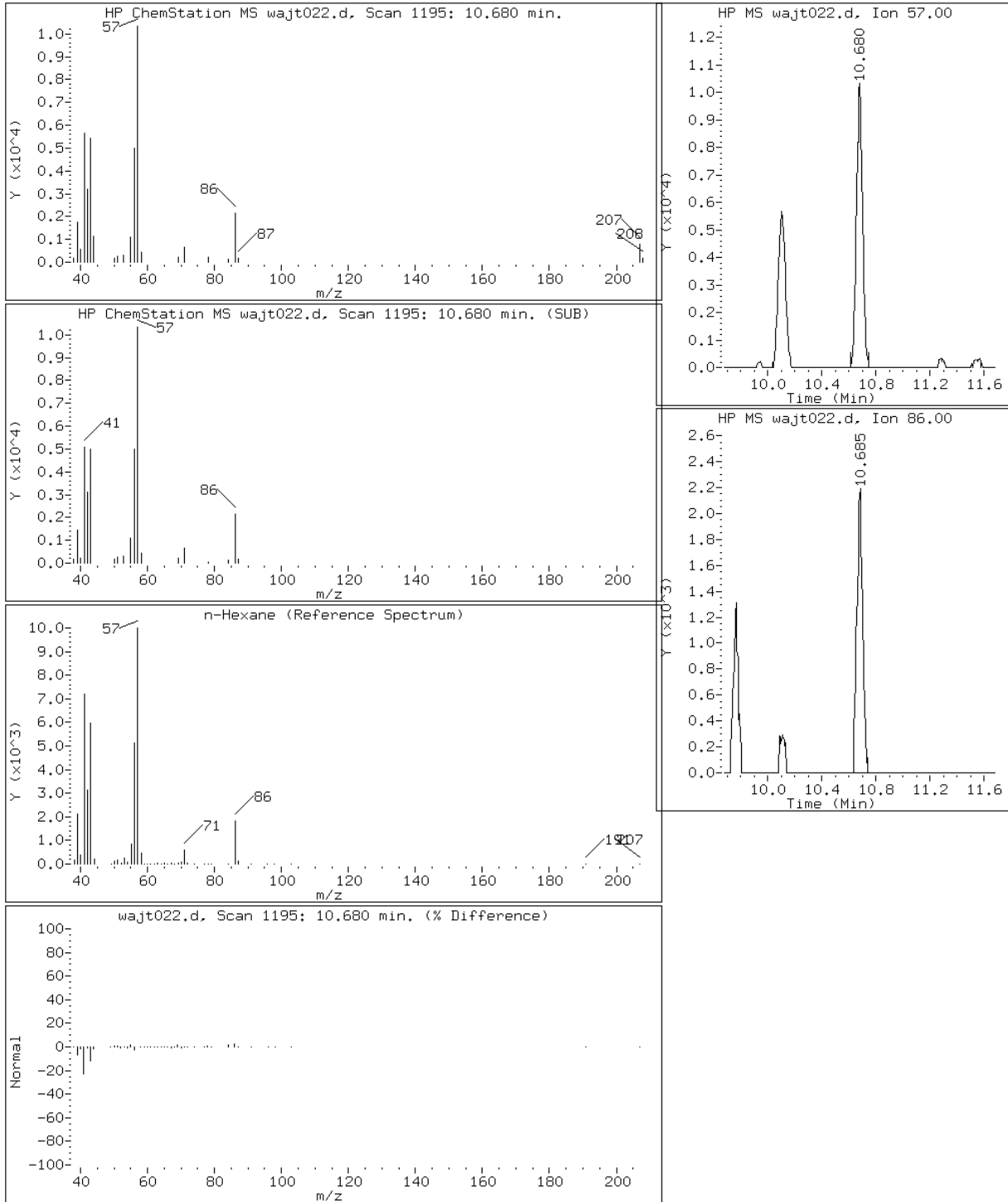
Client ID: 4Q AS Effluent

Instrument: W.i

Sample Info: 480-47899-A-21

Operator: wrd

30 n-Hexane



Data File: wajt022.d

Lab Sample ID: 480-47899-21

Date: 19-OCT-2013 05:54

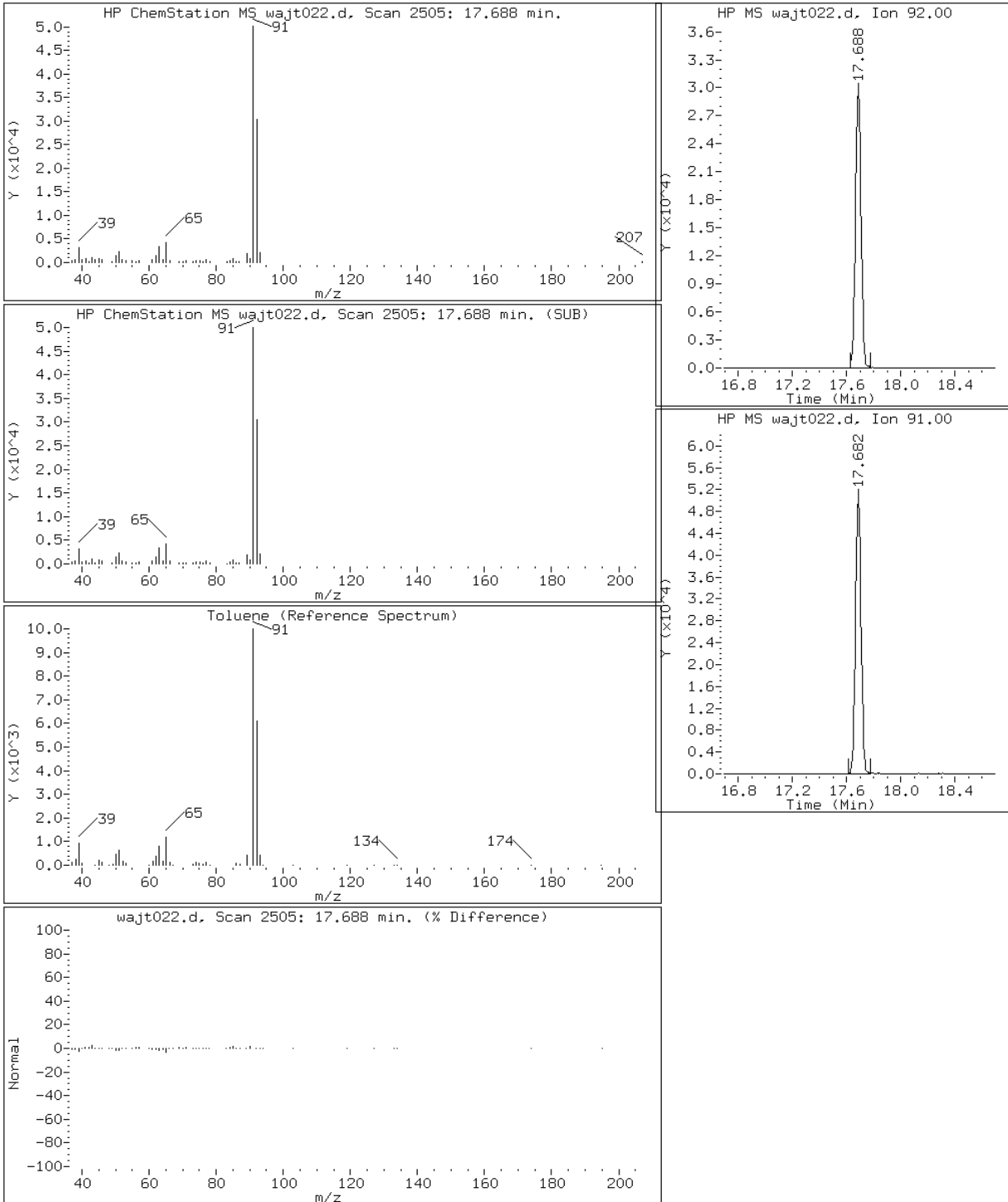
Client ID: 4Q AS Effluent

Instrument: W.i

Sample Info: 480-47899-A-21

Operator: wrd

58 Toluene



Data File: wajt022.d

Lab Sample ID: 480-47899-21

Date: 19-OCT-2013 05:54

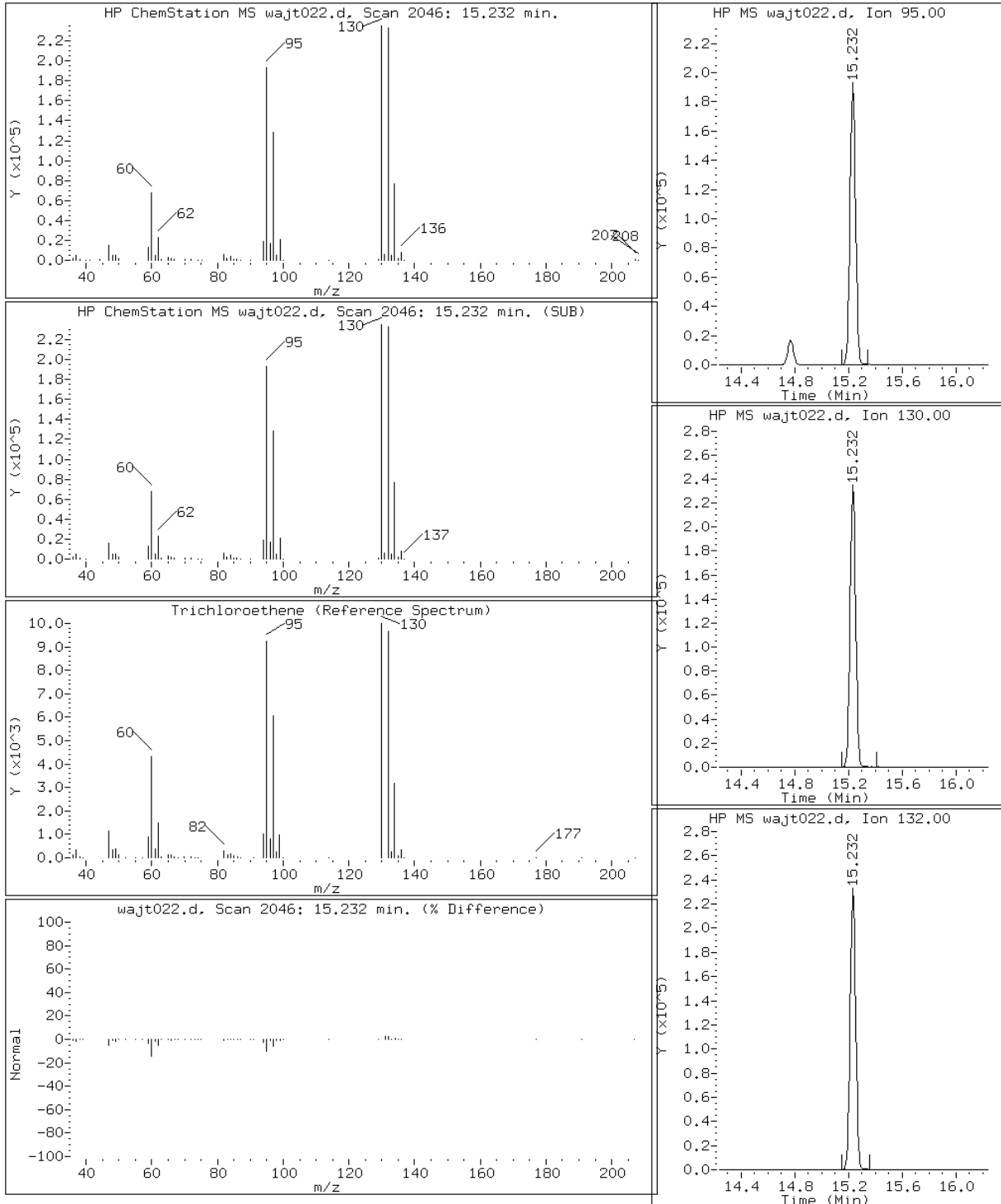
Client ID: 4Q AS Effluent

Instrument: W.i

Sample Info: 480-47899-A-21

Operator: wrd

49 Trichloroethene



Data File: wajt022.d

Lab Sample ID: 480-47899-21

Date: 19-OCT-2013 05:54

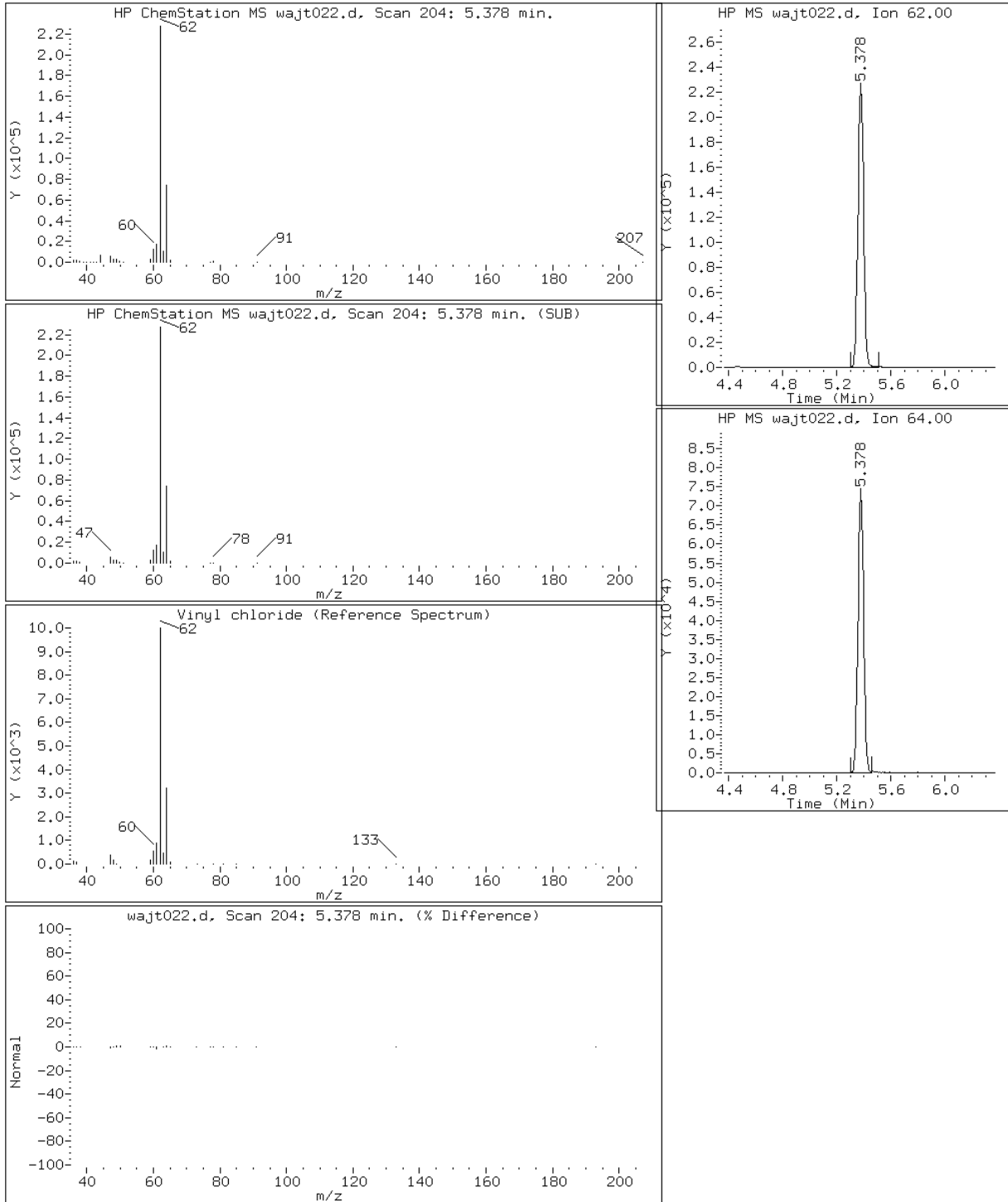
Client ID: 4Q AS Effluent

Instrument: W.i

Sample Info: 480-47899-A-21

Operator: wrd

7 Vinyl chloride



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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1 Analy Batch No.: 61437

SDG No.: _____

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

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-61437/4	waj004.d
Level 2	IC 200-61437/5	waj005.d
Level 3	IC 200-61437/6	waj006.d
Level 4	IC 200-61437/7	waj007.d
Level 5	ICIS 200-61437/8	waj008.d
Level 6	IC 200-61437/9	waj009.d
Level 7	IC 200-61437/10	waj010.d
Level 8	IC 200-61437/11	waj011.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	++++ 0.6344	++++ 0.6022	1.0294 0.5337	0.6914	0.6252	Ave		0.6861			25.6		30.0				
Dichlorodifluoromethane	++++ 2.9387	++++ 2.8321	3.3761 2.5047	2.9926	2.8071	Ave		2.9086			9.8		30.0				
Freon 22	++++ 1.3966	++++ 1.3319	1.7072 1.1839	1.4864	1.3474	Ave		1.4089			12.5		30.0				
1,2-Dichlorotetrafluoroethane	++++ 3.2857	3.3624 3.1589	3.7843 2.7486	3.3431	3.1373	Ave		3.2600			9.5		30.0				
Chloromethane	++++ 0.8025	++++ 0.7693	1.0453 0.6929	0.8602	0.7804	Ave		0.8251			14.6		30.0				
n-Butane	++++ 1.2742	++++ 1.1827	1.8359 1.0757	1.4067	1.2513	Ave		1.3378			20.0		30.0				
Vinyl chloride	1.2231 1.0034	1.1349 0.9590	1.2083 0.8891	1.0654	0.9767	Ave		1.0575			11.5		30.0				
1,3-Butadiene	++++ 0.6892	0.8291 0.6510	0.8625 0.6030	0.7383	0.6776	Ave		0.7215			13.1		30.0				
Bromomethane	++++ 1.0692	1.1431 0.9997	1.3449 0.9435	1.1141	1.0253	Ave		1.0914			12.0		30.0				
Chloroethane	++++ 0.5869	++++ 0.5808	0.6578 0.5216	0.6007	0.5685	Ave		0.5860			7.6		30.0				
Isopentane	++++ 1.0797	1.3227 1.0542	1.2714 0.9055	1.1584	1.0820	Ave		1.1249			12.5		30.0				
Bromoethene (Vinyl Bromide)	++++ 1.3137	1.2024 1.2930	1.3361 1.2017	1.2066	1.2071	Ave		1.2515			4.8		30.0				
Trichlorofluoromethane	++++ 3.1352	3.1064 3.0477	3.4569 2.7672	3.0450	2.9336	Ave		3.0703			6.9		30.0				
n-Pentane	++++ 1.7096	++++ 1.6081	2.0313 1.4023	1.7990	1.6657	Ave		1.7027			12.3		30.0				

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

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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1 Analy Batch No.: 61437

SDG No.: _____

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

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

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														
Ethanol	++++ 0.3812	++++ 0.3669	0.5193 0.3219	0.4309	0.3894	Ave		0.4016			16.8		30.0				
Ethyl ether	++++ 0.8081	0.7320 0.7783	0.8577 0.7078	0.7969	0.7776	Ave		0.7798			6.3		30.0				
Acrolein	++++ 0.3964	++++ 0.3930	++++ 0.3537	0.4108	0.3978	Ave		0.3903			5.5		30.0				
Freon TF	++++ 2.5075	2.4677 2.4424	2.6912 2.2031	2.4240	2.3437	Ave		2.4399			6.1		30.0				
1,1-Dichloroethene	++++ 1.2245	1.1096 1.2053	1.2394 1.1209	1.1384	1.1322	Ave		1.1672			4.6		30.0				
Acetone	++++ 1.3188	++++ 1.1873	++++ 1.0660	1.4842	1.3904	Ave		1.2894			12.8		30.0				
Carbon disulfide	++++ 3.3724	++++ 3.2830	3.6377 2.9456	3.2985	3.2018	Ave		3.2898			6.9		30.0				
Isopropyl alcohol	++++ 1.0963	++++ 1.0032	++++ 0.8888	1.1666	1.0867	Ave		1.0483			10.1		30.0				
3-Chloropropene	++++ 1.0719	1.1919 1.0154	1.2248 0.9073	1.1065	1.0409	Ave		1.0798			10.0		30.0				
Acetonitrile	++++ 0.6385	++++ 0.6003	++++ 0.5304	0.6798	0.6172	Ave		0.6132			9.0		30.0				
Methylene Chloride	++++ 0.9953	++++ 0.9445	1.3115 0.8442	1.0498	0.9636	Ave		1.0181			15.6		30.0				
tert-Butyl alcohol	++++ 1.8042	++++ 1.7177	++++ 1.5848	1.7562	1.7388	Ave		1.7203			4.8		30.0				
Methyl tert-butyl ether	++++ 3.3570	2.9794 3.2576	3.3645 2.9510	3.2075	3.1669	Ave		3.1834			5.2		30.0				
trans-1,2-Dichloroethene	++++ 1.5500	1.5869 1.4938	1.7079 1.3313	1.5556	1.4909	Ave		1.5309			7.5		30.0				
Acrylonitrile	++++ 0.7370	++++ 0.7070	0.7961 0.6496	0.7347	0.7155	Ave		0.7233			6.6		30.0				
n-Hexane	++++ 1.7597	1.6913 1.6822	1.8944 1.4837	1.7454	1.6819	Ave		1.7055			7.2		30.0				
1,1-Dichloroethane	2.0094 1.9550	1.9629 1.8754	2.1680 1.6788	1.9477	1.8693	Ave		1.9333			7.2		30.0				
Vinyl acetate	++++ 2.2742	++++ 2.1574	++++ 1.8934	2.3441	2.2336	Ave		2.1806			8.0		30.0				
cis-1,2-Dichloroethene	++++ 1.3981	1.3576 1.3711	1.4634 1.2414	1.3039	1.3115	Ave		1.3496			5.3		30.0				
Methyl Ethyl Ketone	++++ 0.6257	++++ 0.5944	++++ 0.5238	0.5986	0.5973	Ave		0.6705			30.6	*	30.0				

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

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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1 Analy Batch No.: 61437

SDG No.: _____

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

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

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														
Ethyl acetate	++++ 0.1257	++++ 0.1224	++++ 0.1122	0.1146	0.1156	Ave		0.1181			4.8		30.0				
Tetrahydrofuran	++++ 0.2157	++++ 0.2020	++++ 0.1824	0.2241	0.2128	Ave		0.2074			7.7		30.0				
Chloroform	++++ 2.4455	2.3746 2.3769	2.6007 2.1452	2.3698	2.3217	Ave		2.3763			5.7		30.0				
Cyclohexane	++++ 0.3932	0.3436 0.3805	0.3829 0.3389	0.3626	0.3696	Ave		0.3673			5.5		30.0				
1,1,1-Trichloroethane	++++ 0.5574	0.5058 0.5416	0.5543 0.4935	0.5215	0.5242	Ave		0.5284			4.6		30.0				
Carbon tetrachloride	0.5145 0.6157	0.5000 0.6067	0.5624 0.5617	0.5485	0.5668	Ave		0.5595			7.1		30.0				
2,2,4-Trimethylpentane	++++ 1.1261	1.0504 1.0602	1.1790 0.9085	1.1123	1.0930	Ave		1.0757			7.9		30.0				
Benzene	++++ 0.8211	0.7958 0.7878	0.8460 0.7007	0.7781	0.7783	Ave		0.7868			5.8		30.0				
1,2-Dichloroethane	++++ 0.2933	0.2891 0.2811	0.3135 0.2587	0.2887	0.2825	Ave		0.2867			5.7		30.0				
n-Heptane	++++ 0.3632	0.3682 0.3358	0.5434 0.2883	0.3756	0.3578	Ave		0.3760			21.1		30.0				
n-Butanol	++++ 0.1059	++++ 0.1077	++++ 0.1077	0.1000	0.1034	Ave		0.1049			3.1		30.0				
Trichloroethene	0.3514 0.3811	0.3512 0.3699	0.3765 0.3389	0.3510	0.3570	Ave		0.3596			4.1		30.0				
1,2-Dichloropropane	++++ 0.2732	0.2530 0.2613	0.2870 0.2380	0.2619	0.2597	Ave		0.2620			5.9		30.0				
Methyl methacrylate	++++ 0.2858	++++ 0.2783	++++ 0.2579	0.2437	0.2587	Ave		0.2653			5.7		30.0				
1,4-Dioxane	++++ 0.1291	++++ 0.1234	++++ 0.1150	0.1241	0.1252	Ave		0.1234			4.2		30.0				
Dibromomethane	++++ 0.4810	0.3884 0.4769	0.4199 0.4467	0.4130	0.4371	Ave		0.4376			7.7		30.0				
Bromodichloromethane	++++ 0.5600	0.4518 0.5428	0.5244 0.4964	0.5193	0.5250	Ave		0.5171			6.7		30.0				
cis-1,3-Dichloropropene	++++ 0.4420	0.3399 0.4295	0.3869 0.3990	0.4015	0.4123	Ave		0.4016			8.2		30.0				
methyl isobutyl ketone	++++ 0.4464	++++ 0.4181	0.4412 0.3711	0.4546	0.4382	Ave		0.4283			7.1		30.0				
n-Octane	++++ 0.4702	0.4975 0.4241	0.5659 0.3276	0.5291	0.4839	Ave		0.4712			16.4		30.0				

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

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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1 Analy Batch No.: 61437

SDG No.: _____

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

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

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														
Toluene	++++ 0.6956	0.6671 0.6637	0.7139 0.5542	0.6697	0.6690	Ave		0.6619			7.7		30.0				
trans-1,3-Dichloropropene	++++ 0.4440	0.3262 0.4342	0.3814 0.4049	0.3969	0.4148	Ave		0.4003			9.8		30.0				
1,1,2-Trichloroethane	++++ 0.3164	0.2898 0.3098	0.3185 0.2858	0.2991	0.3000	Ave		0.3028			4.2		30.0				
Tetrachloroethene	0.6755 0.7822	0.6604 0.7758	0.7351 0.6999	0.6883	0.7198	Ave		0.7171			6.3		30.0				
Methyl Butyl Ketone (2-Hexanone)	++++ 0.4238	++++ 0.4048	0.3826 0.3721	0.4029	0.4091	Ave		0.3992			4.7		30.0				
Dibromochloromethane	++++ 0.7537	0.5154 0.7480	0.5869 0.6858	0.6489	0.6913	Ave		0.6614			13.0		30.0				
1,2-Dibromoethane	++++ 0.6350	0.4914 0.6269	0.5736 0.5783	0.5674	0.5905	Ave		0.5805			8.1		30.0				
Chlorobenzene	++++ 1.0137	0.9392 0.9870	1.0280 0.8709	0.9438	0.9569	Ave		0.9628			5.5		30.0				
Ethylbenzene	++++ 1.4740	1.3241 1.4083	1.4760 1.1720	1.4214	1.4116	Ave		1.3839			7.7		30.0				
n-Nonane	++++ 0.5783	0.5185 0.5410	0.6004 0.4495	0.5935	0.5716	Ave		0.5504			9.6		30.0				
m,p-Xylene	++++ 0.6386	0.5370 0.6001	0.6201 0.4708	0.6171	0.6169	Ave		0.5858			10.3		30.0				
Xylene, o-	++++ 0.6426	0.5139 0.6227	0.6027 0.5382	0.5956	0.6083	Ave		0.5891			7.8		30.0				
Styrene	++++ 0.9944	0.6387 0.9629	0.7943 0.8229	0.9028	0.9312	Ave		0.8639			14.2		30.0				
Bromoform	++++ 0.8860	0.4761 0.8829	0.5728 0.7695	0.7273	0.8012	Ave		0.7308			21.2		30.0				
Cumene	++++ 1.7441	1.4600 1.6488	1.7142 1.2830	1.7074	1.6900	Ave		1.6068			10.6		30.0				
1,1,2,2-Tetrachloroethane	++++ 0.8112	0.6857 0.7877	0.8069 0.6720	0.7741	0.7730	Ave		0.7587			7.5		30.0				
n-Propylbenzene	++++ 1.9108	1.6001 1.7750	1.8427 1.2977	1.8988	1.8798	Ave		1.7436			12.8		30.0				
1,2,3-Trichloropropane	++++ 0.5871	++++ 0.5644	0.5782 0.4677	0.5721	0.5664	Ave		0.5560			7.9		30.0				
n-Decane	++++ 0.7363	++++ 0.6707	0.7173 0.5395	0.7393	0.7225	Ave		0.6876			11.1		30.0				
4-Ethyltoluene	++++ 1.7673	1.3868 1.6572	1.6034 1.2322	1.6971	1.7162	Ave		1.5800			12.4		30.0				

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

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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1 Analy Batch No.: 61437

SDG No.: _____

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

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

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														
2-Chlorotoluene	++++ 1.4011	1.1638 1.3417	1.3359 1.0851	1.3522	1.3480	Ave		1.2897			9.1		30.0				
1,3,5-Trimethylbenzene	++++ 1.5107	1.2046 1.4338	1.4119 1.1414	1.4399	1.4525	Ave		1.3707			10.2		30.0				
Alpha Methyl Styrene	++++ 0.8421	0.4138 0.8232	0.5263 0.7349	0.7001	0.7612	Ave		0.6860			23.1		30.0				
tert-Butylbenzene	++++ 1.5407	1.2702 1.4711	1.4854 1.1732	1.4716	1.4718	Ave		1.4120			9.6		30.0				
1,2,4-Trimethylbenzene	++++ 1.5077	1.1463 1.4203	1.3414 1.1534	1.4055	1.4328	Ave		1.3439			10.5		30.0				
sec-Butylbenzene	++++ 2.1126	1.7816 1.9642	2.0545 1.4776	2.0766	2.0570	Ave		1.9320			11.8		30.0				
4-Isopropyltoluene	++++ 1.9056	1.4583 1.7750	1.7023 1.3651	1.8108	1.8296	Ave		1.6924			12.0		30.0				
1,3-Dichlorobenzene	++++ 1.1774	0.7564 1.1447	0.8756 0.9972	0.9811	1.0699	Ave		1.0003			14.9		30.0				
1,4-Dichlorobenzene	++++ 1.1380	0.6963 1.1108	0.7917 0.9848	0.9198	1.0271	Ave		0.9526			17.1		30.0				
Benzyl chloride	++++ 1.0360	0.3532 0.9989	0.4576 0.9640	0.7462	0.8915	Ave		0.7782			35.1	*	30.0				
n-Undecane	++++ 0.7629	++++ 0.6107	++++ 0.5080	0.7382	0.7587	Ave		0.6757			16.7		30.0				
n-Butylbenzene	++++ 1.4840	1.0200 1.3419	1.2234 1.0329	1.3839	1.4280	Ave		1.2735			14.7		30.0				
1,2-Dichlorobenzene	++++ 1.1124	0.7410 1.0730	0.8453 0.9696	0.9419	1.0106	Ave		0.9563			13.5		30.0				
n-Dodecane	++++ 0.5907	++++ 0.3280	++++ 0.4730	0.4013	0.5254	Ave		0.4637			22.2		30.0				
1,2,4-Trichlorobenzene	++++ 0.6914	++++ 0.5559	0.3505 0.7045	0.4160	0.5718	Ave		0.5483			26.1		30.0				
Hexachlorobutadiene	++++ 1.0098	0.6645 0.9238	0.7776 0.8892	0.8194	0.8934	Ave		0.8540			13.1		30.0				
Naphthalene	++++ 1.2561	++++ 0.8412	0.5555 1.1612	0.6873	1.0395	Ave		0.9235			29.8		30.0				
1,2,3-Trichlorobenzene	++++ 0.6310	0.2930 0.4993	0.3832 0.6122	0.4130	0.5272	Ave		0.4798			25.8		30.0				

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

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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1 Analy Batch No.: 61437

SDG No.: _____

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

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-61437/4	waj004.d
Level 2	IC 200-61437/5	waj005.d
Level 3	IC 200-61437/6	waj006.d
Level 4	IC 200-61437/7	waj007.d
Level 5	ICIS 200-61437/8	waj008.d
Level 6	IC 200-61437/9	waj009.d
Level 7	IC 200-61437/10	waj010.d
Level 8	IC 200-61437/11	waj011.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8			LVL 6	LVL 7	LVL 8		
Propylene	BCM	Ave	++++ 623038	++++ 798988	27137 1516802	208513	419872	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	++++ 2885821	++++ 3757764	89005 7118971	902457	1885108	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	++++ 1371498	++++ 1767268	45007 3364811	448248	904826	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 3226588	38089 4191302	99766 7812064	1008159	2106813	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	++++ 788021	++++ 1020783	27557 1969491	259392	524046	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	++++ 1251295	++++ 1569210	48400 3057435	424218	840340	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	2500 985341	12856 1272449	31854 2527083	321272	655911	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	++++ 676813	9392 863810	22737 1713846	222646	455054	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	++++ 1049988	12949 1326412	35456 2681728	335965	688530	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	++++ 576390	++++ 770582	17342 1482423	181143	381760	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	++++ 1060324	14983 1398779	33518 2573787	349337	726627	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 1290070	13621 1715591	35224 3415435	363877	810600	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	++++ 3078787	35189 4043752	91133 7865176	918259	1970033	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	++++ 1678841	++++ 2133667	53551 3985575	542524	1118625	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Ethanol	BCM	Ave	++++ 499087	++++ 973749	136896 2287441	259900	392271	++++ 20.0	++++ 40.0	5.00 100	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1 Analy Batch No.: 61437

SDG No.: _____

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

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

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	++++ 793568	8292 1032662	22612 2011856	240310	522216	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	++++ 389257	++++ 521409	++++ 1005215	123880	267162	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Freon TF	BCM	Ave	++++ 2462365	27954 3240661	70947 6261822	730998	1573889	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	++++ 1202435	++++ 12569 1599281	++++ 32674 3185967	343291	760325	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	++++ 1295099	++++ 1575394	++++ 3029946	447590	933708	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	++++ 3311780	++++ 4355945	++++ 95901 8372200	994688	2150153	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	++++ 1076595	++++ 1331029	++++ 2526078	351812	729764	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	++++ 1052614	++++ 13502 1347282	++++ 32288 2578807	333689	698989	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	++++ 627016	++++ 796528	++++ 1507452	205003	414448	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	++++ 977360	++++ 1253193	++++ 34574 2399292	316567	647092	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	++++ 1771755	++++ 2279105	++++ 4504457	529588	1167708	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	++++ 3296644	++++ 33750 4322366	++++ 88698 8387488	967260	2126720	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	++++ 1522168	++++ 17976 1982079	++++ 45024 3783985	469108	1001212	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	++++ 723741	++++ 938008	++++ 20988 1846202	221565	480487	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	++++ 1728081	++++ 19159 2231960	++++ 49943 4216986	526337	1129484	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	++++ 1919802	++++ 4107 2488344	++++ 57155 4771424	587355	1255312	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	++++ 2233330	++++ 2862469	++++ 5381653	706897	1499968	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	++++ 1372952	++++ 15379 1819169	++++ 38579 3528388	393212	880706	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	++++ 614483	++++ 788625	++++ 28555 1488847	180509	401131	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	++++ 123474	++++ 162339	++++ 318881	34571	77647	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	++++ 1013635	++++ 1284688	++++ 2445084	330354	686144	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0

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INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 480-47899-1 Analy Batch No.: 61437

SDG No.: _____

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

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

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	++++ 2401505	26899 3153807	68563 6097069	714651	1559100	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	++++ 1847861	19012 2420113	49922 4543743	534582	1192009	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	++++ 2619570	27989 3444893	72273 6616368	768838	1690549	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	5157 2893090	27666 3859215	73323 7530588	808551	1827909	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	++++ 5291978	58124 6743669	153723 12179615	1639783	3524599	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	++++ 3858548	44036 5010943	110309 9393204	1147129	2509911	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	++++ 1378048	15999 1788253	40879 3468282	425664	911012	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	++++ 1706904	20377 2135928	70852 3864308	553683	1153883	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	++++ 497500	++++ 685321	++++ 1444008	147379	333366	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Trichloroethene	DFB	Ave	3522 1791060	19433 2352518	49090 4542848	517464	1151401	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	++++ 1283999	13999 1661875	37426 3190037	386050	837433	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	++++ 1343019	++++ 1770002	31776 3457974	381353	863033	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	++++ 606832	++++ 784887	++++ 1541751	182998	403609	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Dibromomethane	DFB	Ave	++++ 2260201	21493 3033703	54748 5988749	608855	1409587	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	++++ 2631357	25002 3452814	68373 6654978	765546	1692949	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	++++ 2076934	18809 2732160	50442 5349348	591862	1329676	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
methyl isobutyl ketone	DFB	Ave	++++ 2097892	++++ 2659514	57524 4974412	670184	1413207	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	++++ 2209659	27531 2697480	73779 4391604	780068	1560340	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	++++ 3067587	33696 3934223	84774 6882136	923159	2027991	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	++++ 2086315	18053 2761626	49722 5428460	585156	1337802	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	++++ 1395445	14637 1836142	37827 3548409	412352	909620	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1 Analy Batch No.: 61437

SDG No.: _____

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

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

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	6037 3449453	33362 4598687	87297 8690680	948829	2182091	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 1869128	++++ 2399405	45432 4620238	555459	1240223	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	++++ 3324122	26034 4433813	69696 8516522	894455	2095733	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	++++ 2800574	24823 3715986	68121 7181001	782127	1790262	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	++++ 4470815	47445 5850574	122080 10814155	1300974	2901010	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	++++ 6500617	66888 8347972	175276 14553311	1959402	4279361	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	++++ 2550612	26193 3206994	71298 5582049	818162	1732934	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	++++ 5632789	54253 7114261	147273 11692570	1701447	3740204	++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
Xylene, o-	CBZ	Ave	++++ 2834071	25959 3690853	71576 6683502	821003	1844040	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	++++ 4385354	32265 5707867	94325 10218167	1244539	2823000	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	++++ 3907531	24048 5233276	68017 9555418	1002544	2428804	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	++++ 7691687	73751 9773642	203563 15931154	2353687	5123288	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 3577598	34640 4669135	95818 8344976	1067029	2343546	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	++++ 8426914	80829 10521696	218830 16113679	2617411	5698744	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	++++ 2589380	++++ 3345597	68667 5808037	788573	1717083	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	++++ 3247360	++++ 3975689	85185 6699807	1019066	2190278	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	++++ 7794250	70056 9823180	190404 15300917	2339462	5202930	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	++++ 6179188	58790 7952797	158640 13474803	1864029	4086480	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 6662654	60852 8498937	167671 14172777	1984887	4403302	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	++++ 3714033	20902 4879464	62504 9125382	965124	2307727	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	++++ 6794815	64166 8719919	176400 14568885	2028598	4461869	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

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INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 480-47899-1 Analy Batch No.: 61437

SDG No.: _____

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

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

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	++++ 6649409	57903 8419105	159294 14321860	1937522	4343547	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	++++ 9317017	89996 11643174	243980 18347992	2862515	6236083	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	++++ 8404126	73668 10521292	202156 16951048	2496187	5546725	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	++++ 5192481	38208 6785245	103982 12382179	1352450	3243478	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	++++ 5018780	35173 6584596	94022 12229095	1267861	3113737	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	++++ 4569139	17841 5921239	54346 11970214	1028626	2702622	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	++++ 3364345	++++ 3619767	++++ 6307949	1017536	2300115	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	++++ 6544701	51524 7954471	145283 12826639	1907668	4329151	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	++++ 4906022	37432 6360097	100379 12040269	1298383	3063777	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	++++ 2605296	++++ 1944411	++++ 5873215	553216	1592873	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 3049076	++++ 3295083	41622 8748718	573413	1733467	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	++++ 4453305	33565 5475616	92347 11042218	1129478	2708565	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	++++ 5539868	++++ 4986028	65965 14419126	947475	3151323	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	++++ 2783029	++++ 2959410	14799 7601908	45502	569369	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

Curve Type Legend:

Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/W.i/Wsvr.p/wajto15.b/waj004.d
 Lab Smp Id: ic 554202
 Inj Date : 19-SEP-2013 10:39
 Operator : pad
 Smp Info : ic 554202
 Misc Info : 200,1, level 8
 Comment :
 Method : /chem/W.i/Wsvr.p/wajto15.b/to15v5.m
 Meth Date : 19-Sep-2013 15:55 pd
 Cal Date : 19-SEP-2013 10:39
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: chemsvr6

Inst ID: W.i
 Quant Type: ISTD
 Cal File: waj004.d
 Calibration Sample, Level: 8
 Compound Sublist: allTO15.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41							
2 Dichlorodifluoromethane	85							
3 Chlorodifluoromethane	51							
4 1,2-Dichloro-1,1,2,2-tetraflu	85							
5 Chloromethane	50							
6 Butane	43							
7 Vinyl chloride	62		5.362	5.368	(0.416)	2500	0.04000	0.044(aM)
8 1,3-Butadiene	54							
9 Bromomethane	94							
10 Chloroethane	64							
11 2-Methylbutane	43							
12 Vinyl bromide	106							
13 Trichlorofluoromethane	101							
14 Pentane	43							

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
15 Ethanol	45							
16 Ethyl ether	59							
17 1,1,2-Trichloro-1,2,2-trifluo	101							
18 Acrolein	56							
19 1,1-Dichloroethene	96							
20 Acetone	43							
21 Carbon disulfide	76							
22 Isopropanol	45							
23 Allyl chloride	41							
24 Acetonitrile	41							
25 Methylene chloride	49							
26 Tert-butyl alcohol	59							
27 Methyl tert-butyl ether	73							
28 1,2-Dichloroethene (trans)	61		10.252	10.257	(0.796)	3354	0.00000	0.042(aM)
29 Acrylonitrile	53							
30 n-Hexane	57							
31 1,1-Dichloroethane	63		11.225	11.226	(0.871)	4107	0.04000	0.040(a)
32 Vinyl acetate	43							
M 33 1,2-Dichloroethene,Total	61					6231	0.00000	0.083(a)
34 1,2-Dichloroethene (cis)	96		12.408	12.402	(0.963)	2877	0.00000	0.041(a)
35 Ethyl acetate	88							
36 Methyl Ethyl Ketone	72							
* 37 Bromochloromethane	128		12.884	12.884	(1.000)	510986	10.0000	
38 Tetrahydrofuran	42							
39 Chloroform	83							
40 Cyclohexane	84							
41 1,1,1-Trichloroethane	97							
42 Carbon tetrachloride	117		13.558	13.563	(0.918)	5157	0.04000	0.037(aM)
43 2,2,4-Trimethylpentane	57							
44 Benzene	78							
45 1,2-Dichloroethane	62		14.173	14.173	(0.959)	2727	0.00000	0.037(aM)
46 n-Heptane	43							
* 47 1,4-Difluorobenzene	114		14.772	14.772	(1.000)	2505796	10.0000	
48 n-Butanol	56							
49 Trichloroethene	95		15.243	15.238	(1.032)	3522	0.04000	0.039(a)
50 1,2-Dichloropropane	63							
51 Methyl methacrylate	69							
52 Dibromomethane	174							
53 1,4-Dioxane	88							
54 Bromodichloromethane	83							
55 1,3-Dichloropropene (cis)	75							
56 Methyl isobutyl ketone	43							
57 n-Octane	43							
58 Toluene	92							
59 1,3-Dichloropropene (trans)	75							
60 1,1,2-Trichloroethane	83							
61 Tetrachloroethene	166		18.726	18.726	(0.915)	6037	0.04000	0.038(a)
62 2-Hexanone	43							

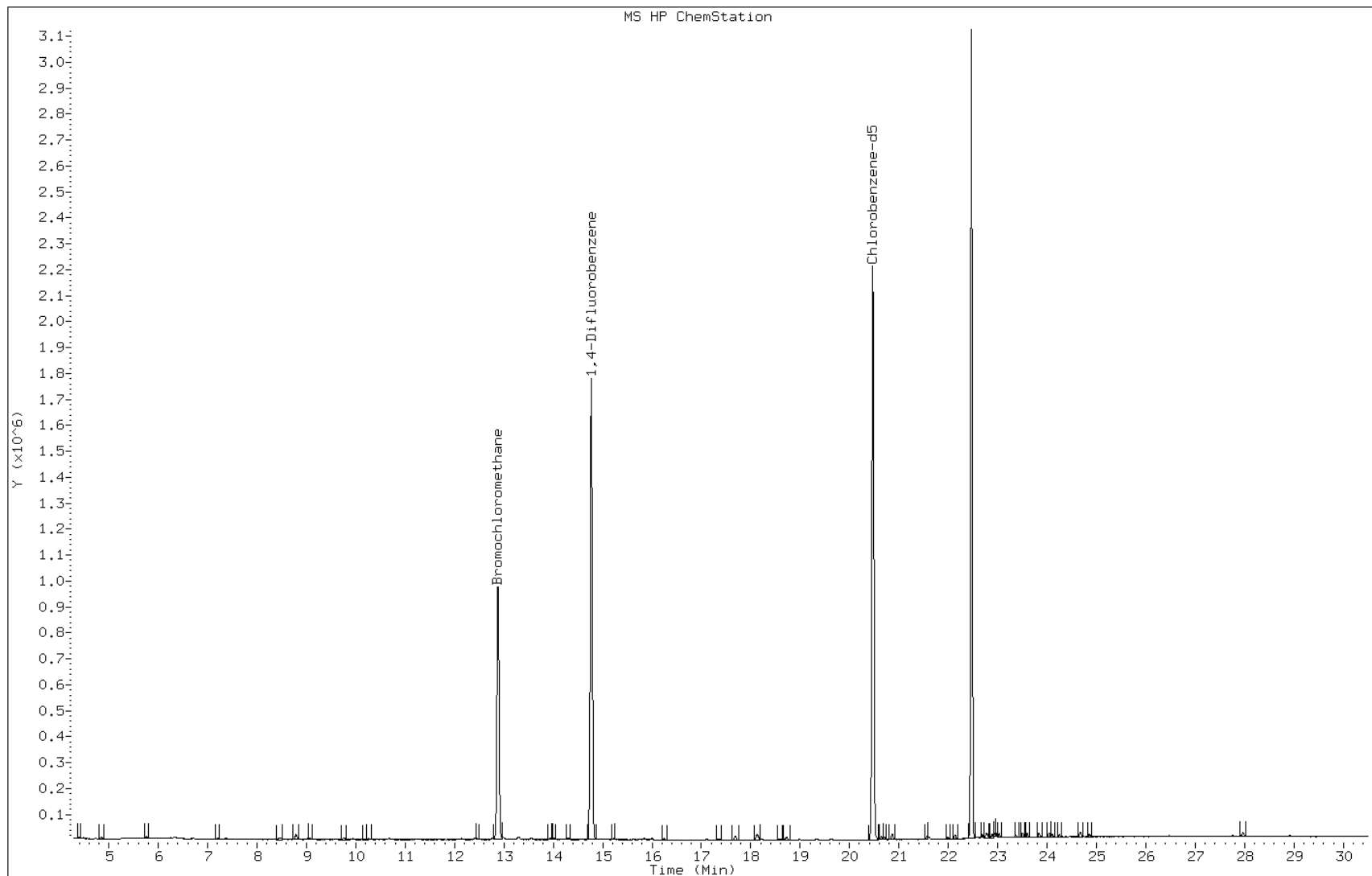
Compounds	QUANT	SIG	RT	EXP	RT	REL	RT	RESPONSE	AMOUNTS	
									CAL-AMT	ON-COL
	MASS								(ppb v/v)	(ppb v/v)
63 Dibromochloromethane	129									
64 1,2-Dibromoethane	107									
* 65 Chlorobenzene-d5	117		20.475	20.470	(1.000)		2234145		10.0000	
66 Chlorobenzene	112									
67 n-Nonane	57									
68 Ethylbenzene	91									
69 Xylene (m,p)	106									
M 70 Xylenes, Total	106									
71 Xylene (o)	106									
72 Styrene	104									
73 Bromoform	173									
74 Isopropylbenzene	105									
75 1,1,2,2-Tetrachloroethane	83									
76 n-Propylbenzene	91									
77 1,2,3-Trichloropropane	75									
78 n-Decane	57									
79 4-Ethyltoluene	105									
80 2-Chlorotoluene	91									
81 1,3,5-Trimethylbenzene	105									
82 Alpha Methyl Styrene	118									
83 tert-butylbenzene	119									
84 1,2,4-Trimethylbenzene	105									
85 sec-Butylbenzene	105									
86 4-Isopropyltoluene	119									
87 1,3-Dichlorobenzene	146									
88 1,4-Dichlorobenzene	146									
89 Benzyl chloride	91									
90 Undecane	57									
91 n-Butylbenzene	91									
92 1,2-Dichlorobenzene	146									
93 Dodecane	57									
94 1,2,4-Trichlorobenzene	180									
95 1,3-Hexachlorobutadiene	225									
96 Naphthalene	128									
97 1,2,3-Trichlorobenzene	180									

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Data File: waj004.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 554202
Lab Sample ID: ic 554202

Date: 19-SEP-2013 10:39
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



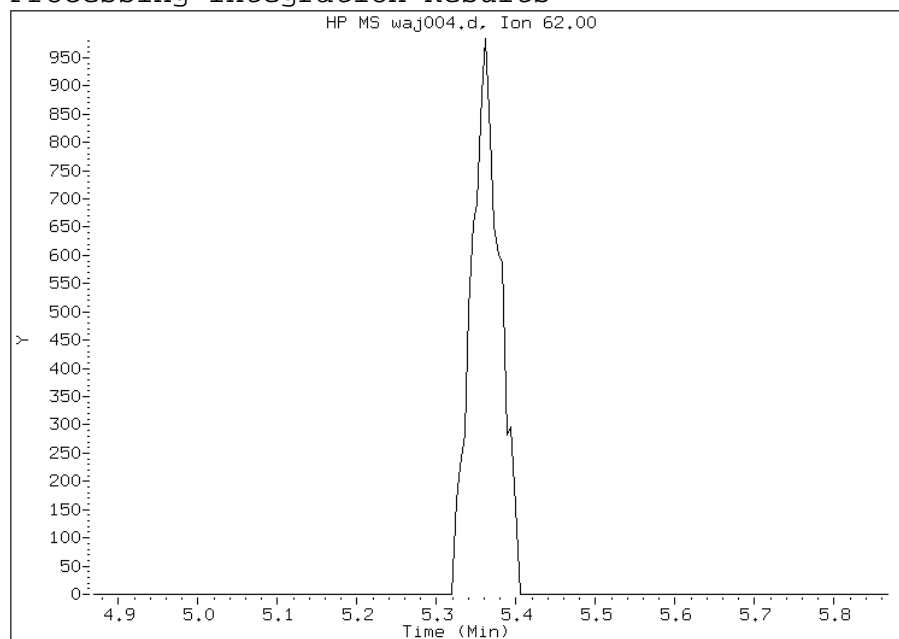
Manual Integration Report

Data File: waj004.d
Lab Sample ID: ic 554202
Inj. Date and Time: 19-SEP-2013 10:39
Instrument ID: W.i
Client ID:
Compound: 7 Vinyl chloride
CAS #: 75-01-4
Report Date: 09/20/2013

Processing Integration Results

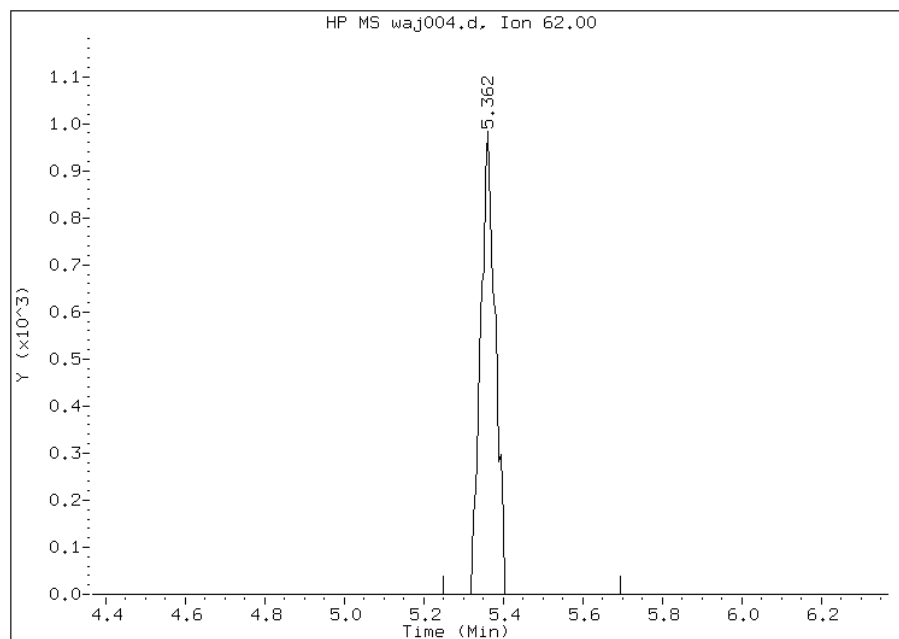
Not Detected

Expected RT: 5.37



Manual Integration Results

RT: 5.36
Response: 2500
Amount: 0.044398
Conc: 0.044398



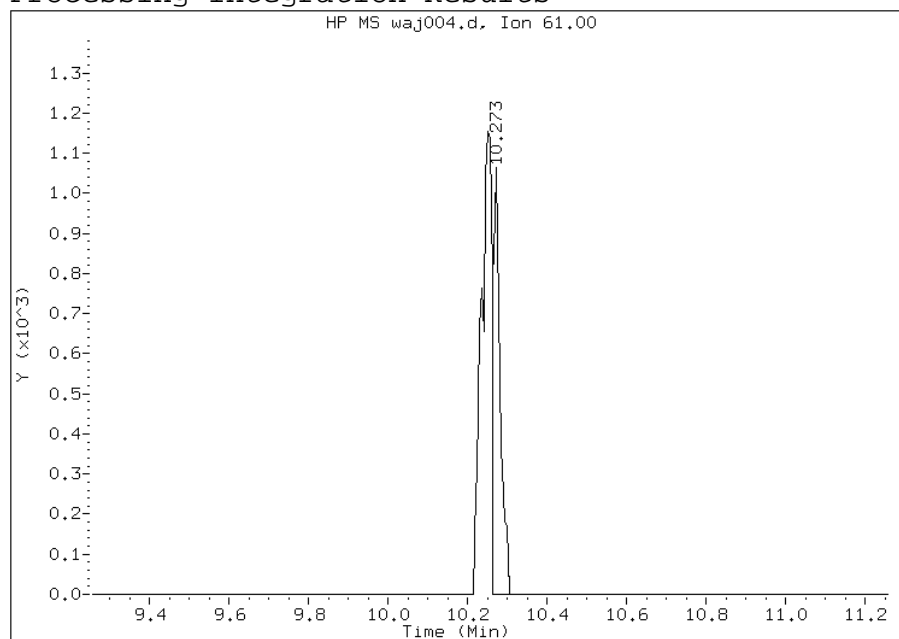
File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

Manual Integration Report

Data File: waj004.d
Lab Sample ID: ic 554202
Inj. Date and Time: 19-SEP-2013 10:39
Instrument ID: W.i
Client ID:
Compound: 28 1,2-Dichloroethene (trans)
CAS #: 156-60-5
Report Date: 09/20/2013

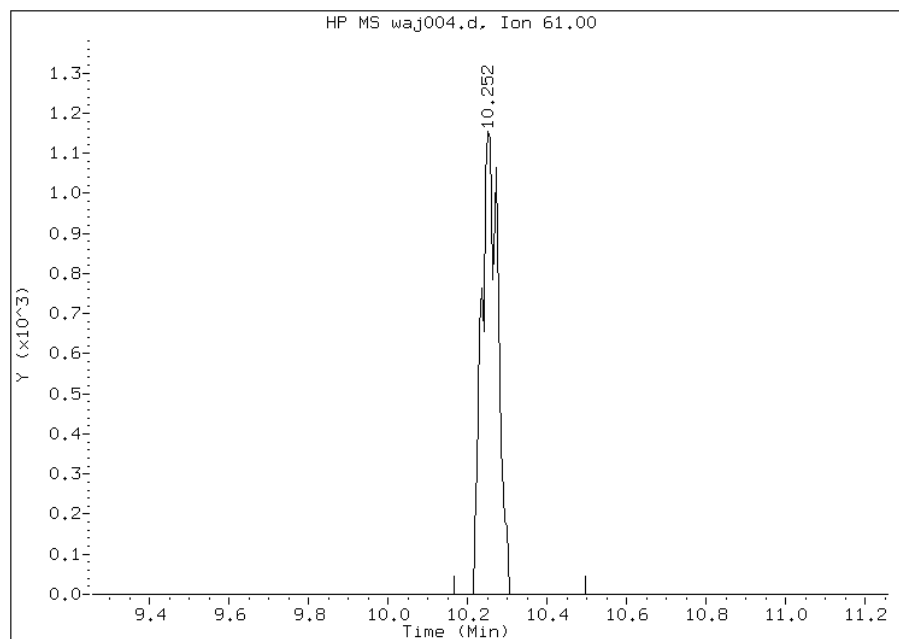
Processing Integration Results

RT: 10.27
Response: 1435
Amount: 0.017794
Conc: 0.017794



Manual Integration Results

RT: 10.25
Response: 3354
Amount: 0.041589
Conc: 0.041589



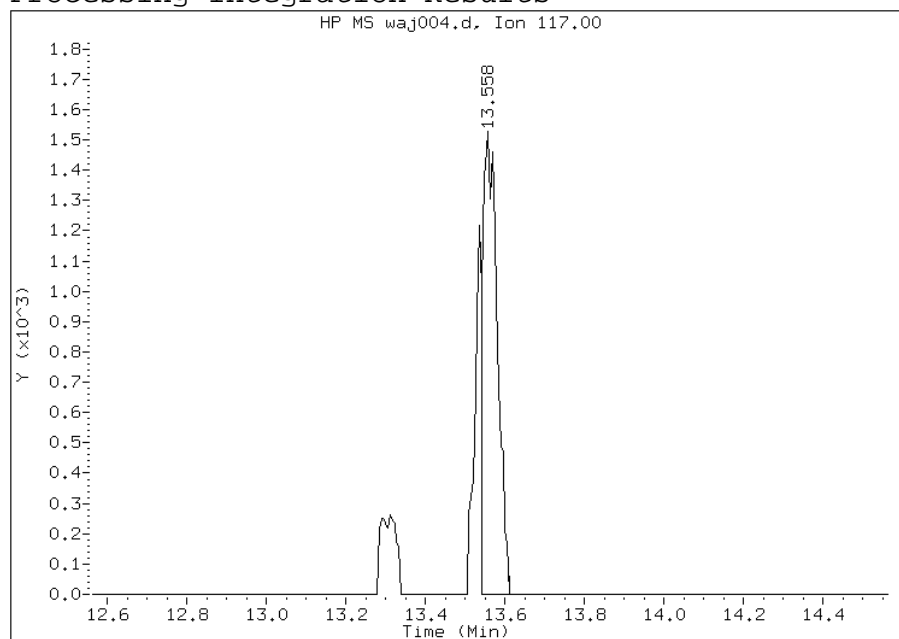
File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: waj004.d
Lab Sample ID: ic 554202
Inj. Date and Time: 19-SEP-2013 10:39
Instrument ID: W.i
Client ID:
Compound: 42 Carbon tetrachloride
CAS #: 56-23-5
Report Date: 09/20/2013

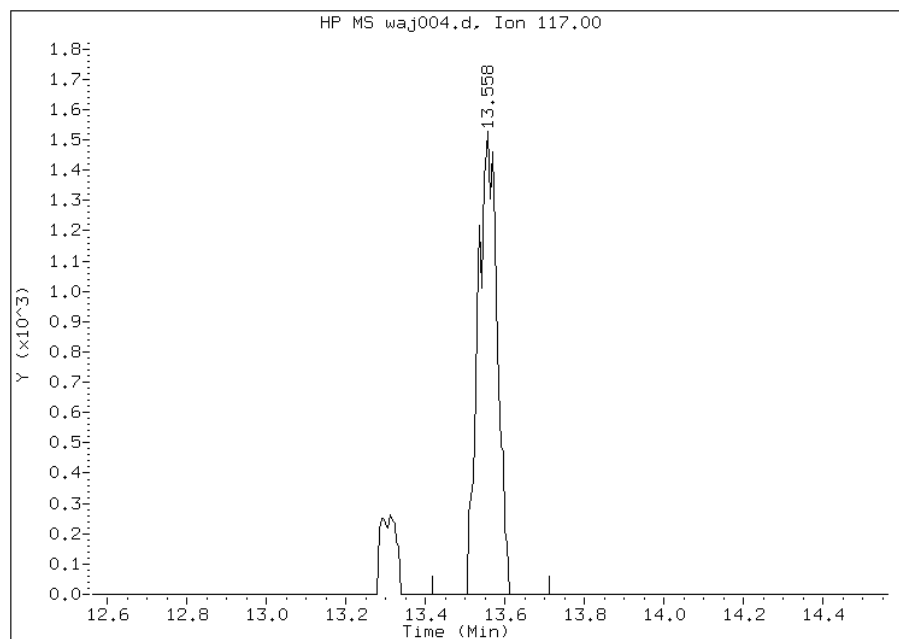
Processing Integration Results

RT: 13.56
Response: 3945
Amount: 0.029641
Conc: 0.029641



Manual Integration Results

RT: 13.56
Response: 5157
Amount: 0.037331
Conc: 0.037331



File Uploaded By: pd
Manual Integration Reason: Baseline event

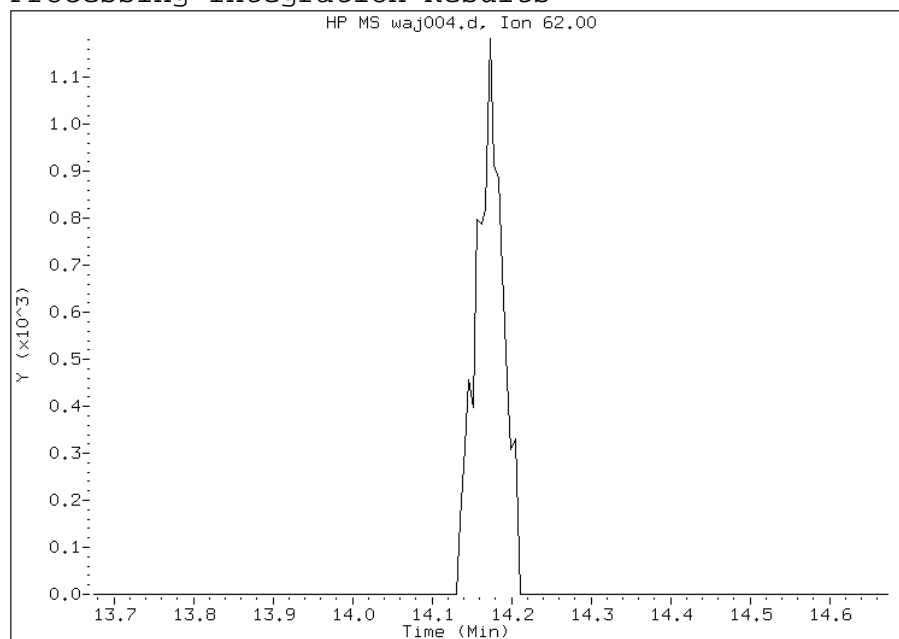
Manual Integration Report

Data File: waj004.d
Lab Sample ID: ic 554202
Inj. Date and Time: 19-SEP-2013 10:39
Instrument ID: W.i
Client ID:
Compound: 45 1,2-Dichloroethane
CAS #: 107-06-2
Report Date: 09/20/2013

Processing Integration Results

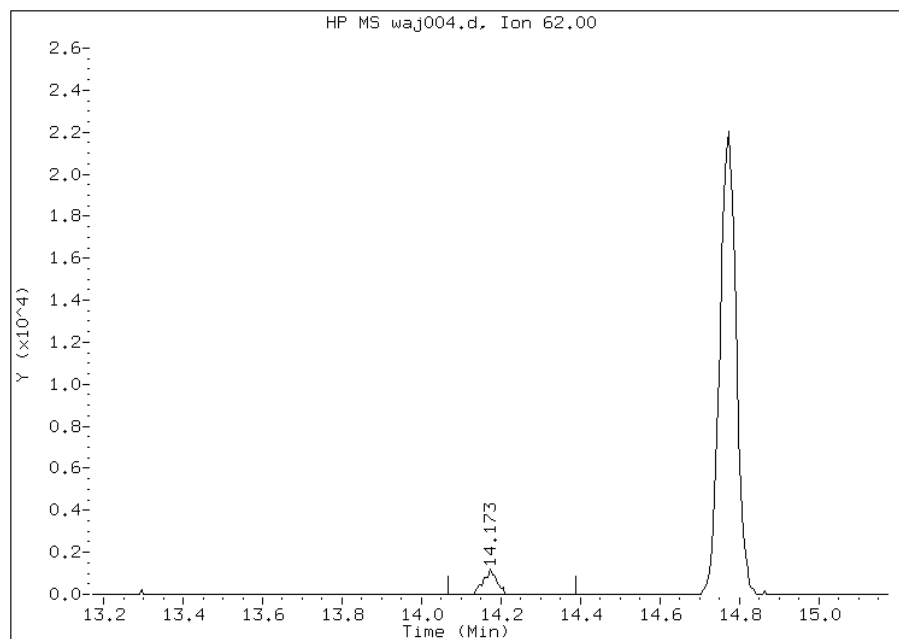
Not Detected

Expected RT: 14.17



Manual Integration Results

RT: 14.17
Response: 2727
Amount: 0.037088
Conc: 0.037088



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/W.i/Wsvr.p/wajto15.b/waj005.d
 Lab Smp Id: ic 554202
 Inj Date : 19-SEP-2013 11:27
 Operator : pad Inst ID: W.i
 Smp Info : ic 554202
 Misc Info : 200,1, level 1
 Comment :
 Method : /chem/W.i/Wsvr.p/wajto15.b/to15v5.m
 Meth Date : 19-Sep-2013 15:55 pd Quant Type: ISTD
 Cal Date : 19-SEP-2013 11:27 Cal File: waj005.d
 Als bottle: 2 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allTO15.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41		4.388	4.405	(0.341)	14362	0.20000	0.34(a)
2 Dichlorodifluoromethane	85		4.485	4.496	(0.348)	35596	0.20000	0.21(a)
3 Chlorodifluoromethane	51		4.554	4.560	(0.353)	18843	0.20000	0.22(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85		4.843	4.849	(0.376)	38089	0.20000	0.20
5 Chloromethane	50		5.036	5.041	(0.391)	11275	0.20000	0.23(a)
6 Butane	43		5.303	5.309	(0.412)	19213	0.20000	0.24(a)
7 Vinyl chloride	62		5.362	5.368	(0.416)	12856	0.20000	0.21
8 1,3-Butadiene	54		5.453	5.464	(0.423)	9392	0.20000	0.22
9 Bromomethane	94		6.336	6.336	(0.492)	12949	0.20000	0.20(Q)
10 Chloroethane	64		6.614	6.619	(0.513)	7266	0.20000	0.21(a)
11 2-Methylbutane	43		6.705	6.710	(0.520)	14983	0.20000	0.22
12 Vinyl bromide	106		7.095	7.101	(0.551)	13621	0.20000	0.19(a)
13 Trichlorofluoromethane	101		7.208	7.219	(0.559)	35189	0.20000	0.20
14 Pentane	43		7.368	7.384	(0.572)	21330	0.20000	0.21(a)

Compounds	QUANT SIG		AMOUNTS					
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)	
15 Ethanol	45	7.839	7.818	(0.608)	13816	0.20000	0.57(a)	
16 Ethyl ether	59	7.983	7.973	(0.620)	8292	0.20000	0.18(a)	
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.465	8.470	(0.657)	27954	0.20000	0.20	
18 Acrolein	56	8.449	8.438	(0.656)	6774	0.20000	0.30(aM)	
19 1,1-Dichloroethene	96	8.540	8.540	(0.663)	12569	0.20000	0.19(a)	
20 Acetone	43	8.791	8.775	(0.682)	142936	0.20000	1.8(a)	
21 Carbon disulfide	76	9.027	9.027	(0.701)	39223	0.20000	0.21(a)	
22 Isopropanol	45	9.075	9.048	(0.704)	22256	0.20000	0.35(a)	
23 Allyl chloride	41	9.439	9.433	(0.733)	13502	0.20000	0.21(a)	
24 Acetonitrile	41	9.583	9.567	(0.744)	19778	0.20000	0.54(a)	
25 Methylene chloride	49	9.760	9.765	(0.758)	16154	0.20000	0.26(aQ)	
26 Tert-butyl alcohol	59	9.941	9.926	(0.772)	30009	0.20000	0.30(a)	
27 Methyl tert-butyl ether	73	10.198	10.188	(0.792)	33750	0.20000	0.19(a)	
28 1,2-Dichloroethene (trans)	61	10.257	10.257	(0.796)	17976	0.20000	0.20	
29 Acrylonitrile	53	10.423	10.418	(0.809)	8360	0.20000	0.20(a)	
30 n-Hexane	57	10.674	10.680	(0.828)	19159	0.20000	0.19(a)	
31 1,1-Dichloroethane	63	11.225	11.226	(0.871)	22235	0.20000	0.20	
32 Vinyl acetate	43	11.268	11.268	(0.875)	23529	0.20000	0.18(a)	
M 33 1,2-Dichloroethene,Total	61				33355	0.40000	0.40	
34 1,2-Dichloroethene (cis)	96	12.402	12.402	(0.963)	15379	0.20000	0.20	
35 Ethyl acetate	88	12.445	12.445	(0.966)	1065	0.20000	0.16(a)	
36 Methyl Ethyl Ketone	72	12.429	12.418	(0.965)	9819	0.20000	0.24(aQ)	
* 37 Bromochloromethane	128	12.884	12.884	(1.000)	566393	10.0000		
38 Tetrahydrofuran	42	12.889	12.879	(0.873)	12563	0.20000	0.21(a)	
39 Chloroform	83	12.991	12.991	(1.008)	26899	0.20000	0.20	
40 Cyclohexane	84	13.290	13.290	(0.900)	19012	0.20000	0.19(a)	
41 1,1,1-Trichloroethane	97	13.306	13.307	(0.901)	27989	0.20000	0.19(a)	
42 Carbon tetrachloride	117	13.558	13.563	(0.918)	27666	0.20000	0.18(a)	
43 2,2,4-Trimethylpentane	57	13.954	13.959	(0.945)	58124	0.20000	0.19(a)	
44 Benzene	78	14.018	14.013	(0.949)	44036	0.20000	0.20	
45 1,2-Dichloroethane	62	14.173	14.173	(0.959)	15999	0.20000	0.20	
46 n-Heptane	43	14.307	14.307	(0.968)	20377	0.20000	0.18(a)	
* 47 1,4-Difluorobenzene	114	14.772	14.772	(1.000)	2766839	10.0000		
48 n-Butanol	56	Compound Not Detected.						
49 Trichloroethene	95	15.238	15.238	(1.032)	19433	0.20000	0.19(a)	
50 1,2-Dichloropropane	63	15.757	15.762	(1.067)	13999	0.20000	0.19(a)	
51 Methyl methacrylate	69	15.847	15.848	(1.073)	11862	0.20000	0.16(a)	
52 Dibromomethane	174	16.003	16.003	(1.083)	21493	0.20000	0.18(a)	
53 1,4-Dioxane	88	15.960	15.933	(1.080)	5992	0.20000	0.17(a)	
54 Bromodichloromethane	83	16.243	16.249	(1.100)	25002	0.20000	0.18(a)	
55 1,3-Dichloropropene (cis)	75	17.115	17.116	(1.159)	18809	0.20000	0.17(a)	
56 Methyl isobutyl ketone	43	17.361	17.356	(1.175)	20914	0.20000	0.17(a)	
57 n-Octane	43	17.688	17.688	(1.197)	27531	0.20000	0.20(a)	
58 Toluene	92	17.688	17.693	(0.864)	33696	0.20000	0.20	
59 1,3-Dichloropropene (trans)	75	18.217	18.218	(1.233)	18053	0.20000	0.17(a)	
60 1,1,2-Trichloroethane	83	18.592	18.587	(0.908)	14637	0.20000	0.19(a)	
61 Tetrachloroethene	166	18.726	18.726	(0.915)	33362	0.20000	0.19(a)	

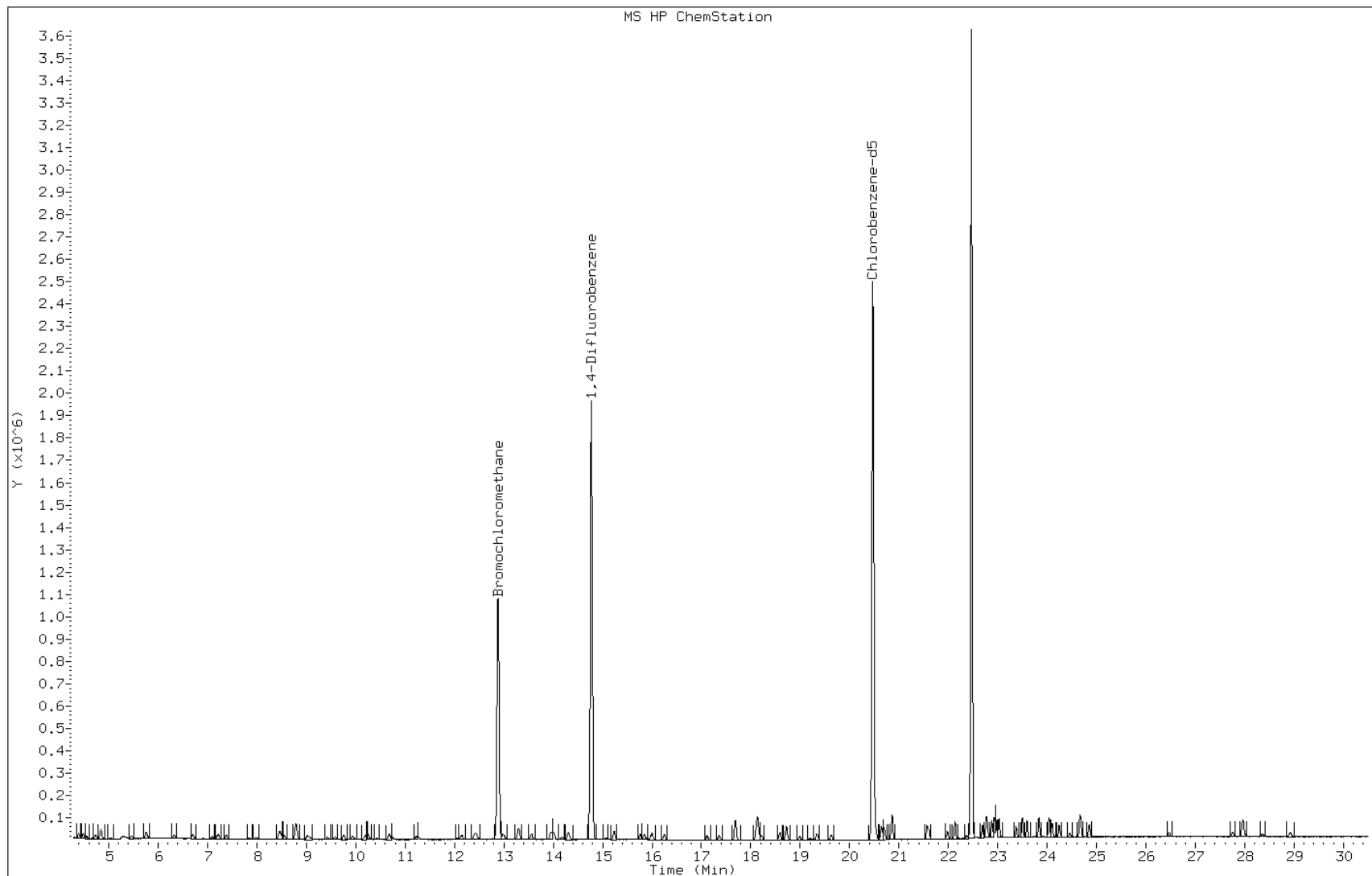
Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	18.988	18.983	(0.927)	15775	0.20000	0.15(a)
63 Dibromochloromethane	129	19.335	19.341	(0.944)	26034	0.20000	0.16(a)
64 1,2-Dibromoethane	107	19.630	19.630	(0.959)	24823	0.20000	0.17(a)
* 65 Chlorobenzene-d5	117	20.475	20.470	(1.000)	2525740	10.00000	
66 Chlorobenzene	112	20.528	20.529	(1.003)	47445	0.20000	0.19(a)
67 n-Nonane	57	20.700	20.705	(1.011)	26193	0.20000	0.18(a)
68 Ethylbenzene	91	20.646	20.646	(1.008)	66888	0.20000	0.19(a)
69 Xylene (m,p)	106	20.860	20.860	(1.019)	54253	0.40000	0.35(a)
M 70 Xylenes, Total	106				80212	0.20000	0.53
71 Xylene (o)	106	21.577	21.572	(1.054)	25959	0.20000	0.17(a)
72 Styrene	104	21.609	21.609	(1.055)	32265	0.20000	0.15(a)
73 Bromoform	173	21.984	21.984	(1.074)	24048	0.20000	0.14(a)
74 Isopropylbenzene	105	22.139	22.139	(1.081)	73751	0.20000	0.18(a)
75 1,1,2,2-Tetrachloroethane	83	22.690	22.690	(1.108)	34640	0.20000	0.18(a)
76 n-Propylbenzene	91	22.770	22.770	(1.112)	80829	0.20000	0.18(a)
77 1,2,3-Trichloropropane	75	22.791	22.792	(1.113)	25845	0.20000	0.18(a)
78 n-Decane	57	22.882	22.883	(1.118)	30505	0.20000	0.17(a)
79 4-Ethyltoluene	105	22.936	22.936	(1.120)	70056	0.20000	0.17(a)
80 2-Chlorotoluene	91	22.968	22.968	(1.122)	58790	0.20000	0.18(a)
81 1,3,5-Trimethylbenzene	105	23.027	23.027	(1.125)	60852	0.20000	0.17(a)
82 Alpha Methyl Styrene	118	23.375	23.375	(1.142)	20902	0.20000	0.13(a)
83 tert-butylbenzene	119	23.503	23.503	(1.148)	64166	0.20000	0.18(a)
84 1,2,4-Trimethylbenzene	105	23.594	23.599	(1.152)	57903	0.20000	0.17(a)
85 sec-Butylbenzene	105	23.835	23.835	(1.164)	89996	0.20000	0.18(a)
86 4-Isopropyltoluene	119	24.038	24.038	(1.174)	73668	0.20000	0.17(a)
87 1,3-Dichlorobenzene	146	24.102	24.102	(1.177)	38208	0.20000	0.16(a)
88 1,4-Dichlorobenzene	146	24.247	24.247	(1.184)	35173	0.20000	0.15(a)
89 Benzyl chloride	91	24.460	24.461	(1.195)	17841	0.20000	0.10(a)
90 Undecane	57	24.658	24.659	(1.204)	26442	0.20000	0.14(a)
91 n-Butylbenzene	91	24.674	24.680	(1.205)	51524	0.20000	0.16(a)
92 1,2-Dichlorobenzene	146	24.856	24.857	(1.214)	37432	0.20000	0.16(a)
94 1,2,4-Trichlorobenzene	180	27.751	27.756	(1.355)	14686	0.20000	0.11(a)
95 1,3-Hexachlorobutadiene	225	27.959	27.965	(1.366)	33565	0.20000	0.16(a)
96 Naphthalene	128	28.350	28.355	(1.385)	21026	0.20000	0.094(a)
97 1,2,3-Trichlorobenzene	180	28.917	28.917	(1.412)	14799	0.20000	0.13(a)

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: waj005.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 554202
Lab Sample ID: ic 554202

Date: 19-SEP-2013 11:27
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32

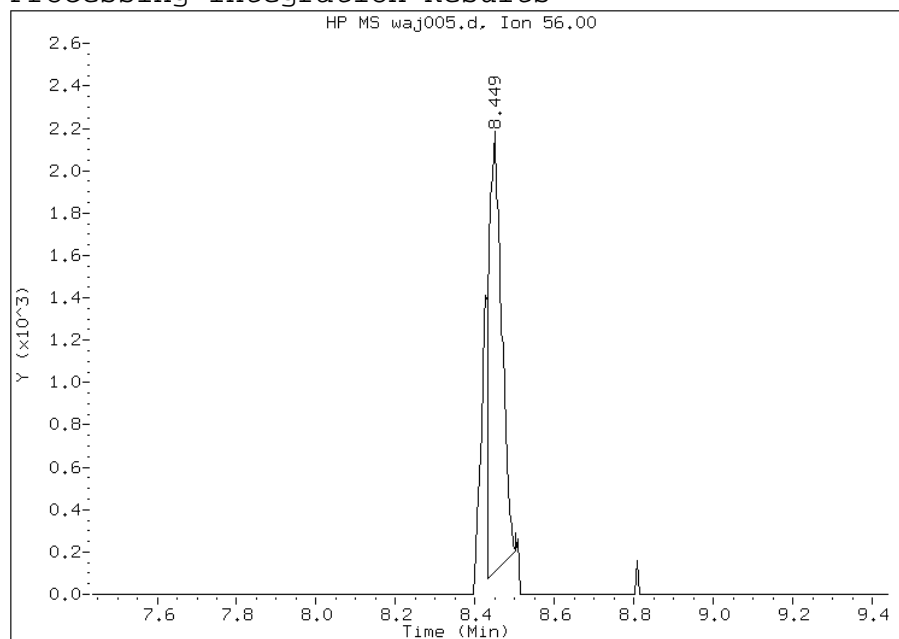


Manual Integration Report

Data File: waj005.d
Lab Sample ID: ic 554202
Inj. Date and Time: 19-SEP-2013 11:27
Instrument ID: W.i
Client ID:
Compound: 18 Acrolein
CAS #: 107-02-8
Report Date: 09/20/2013

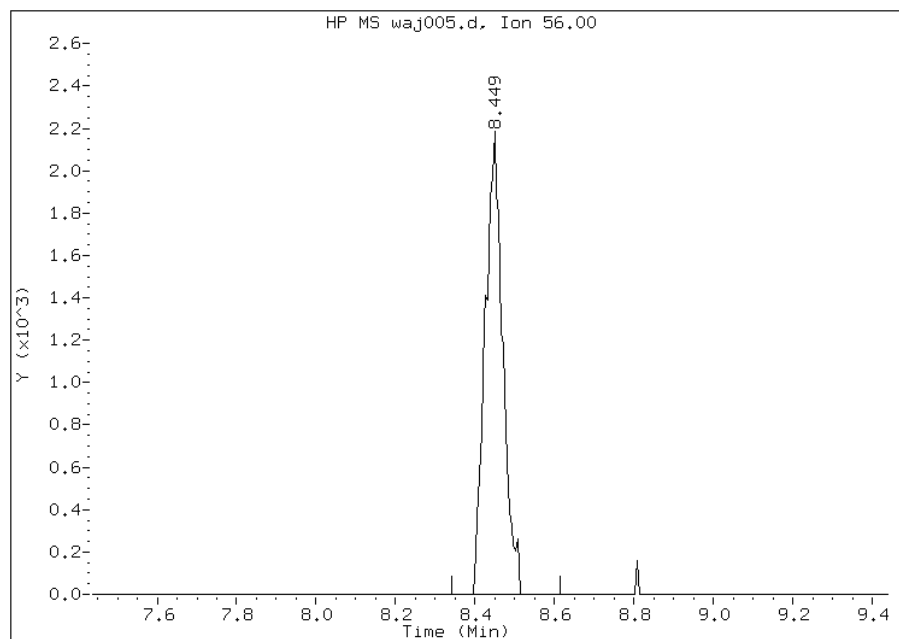
Processing Integration Results

RT: 8.45
Response: 4590
Amount: 0.203744
Conc: 0.203744



Manual Integration Results

RT: 8.45
Response: 6774
Amount: 0.297754
Conc: 0.297754



File Uploaded By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/W.i/Wsvr.p/wajto15.b/waj006.d
 Lab Smp Id: ic 554197
 Inj Date : 19-SEP-2013 12:18
 Operator : pad Inst ID: W.i
 Smp Info : ic 554197
 Misc Info : 200,1, level 2
 Comment :
 Method : /chem/W.i/Wsvr.p/wajto15.b/to15v5.m
 Meth Date : 19-Sep-2013 15:55 pd Quant Type: ISTD
 Cal Date : 19-SEP-2013 12:18 Cal File: waj006.d
 Als bottle: 3 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allTO15.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	4.389	4.405	(0.341)	27137	0.50000	0.69(a)
2 Dichlorodifluoromethane	85	4.485	4.496	(0.348)	89005	0.50000	0.56
3 Chlorodifluoromethane	51	4.549	4.560	(0.353)	45007	0.50000	0.58
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.843	4.849	(0.376)	99766	0.50000	0.56
5 Chloromethane	50	5.031	5.041	(0.391)	27557	0.50000	0.60
6 Butane	43	5.298	5.309	(0.411)	48400	0.50000	0.64
7 Vinyl chloride	62	5.362	5.368	(0.416)	31854	0.50000	0.55
8 1,3-Butadiene	54	5.458	5.464	(0.424)	22737	0.50000	0.57
9 Bromomethane	94	6.325	6.336	(0.491)	35456	0.50000	0.59
10 Chloroethane	64	6.614	6.619	(0.514)	17342	0.50000	0.55
11 2-Methylbutane	43	6.705	6.710	(0.521)	33518	0.50000	0.54
12 Vinyl bromide	106	7.090	7.101	(0.551)	35224	0.50000	0.53
13 Trichlorofluoromethane	101	7.208	7.219	(0.560)	91133	0.50000	0.55
14 Pentane	43	7.368	7.384	(0.572)	53551	0.50000	0.56

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
15 Ethanol	45	7.834	7.818	(0.608)	136896	5.00000	6.0
16 Ethyl ether	59	7.978	7.973	(0.619)	22612	0.50000	0.54
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.465	8.470	(0.657)	70947	0.50000	0.54
18 Acrolein	56	8.444	8.438	(0.656)	17290	0.50000	0.82(a)
19 1,1-Dichloroethene	96	8.535	8.540	(0.663)	32674	0.50000	0.53
20 Acetone	43	8.791	8.775	(0.683)	161211	0.50000	2.2(a)
21 Carbon disulfide	76	9.027	9.027	(0.701)	95901	0.50000	0.54
22 Isopropanol	45	9.064	9.048	(0.704)	42022	0.50000	0.71(a)
23 Allyl chloride	41	9.433	9.433	(0.732)	32288	0.50000	0.54
24 Acetonitrile	41	9.588	9.567	(0.745)	23065	0.50000	0.68(a)
25 Methylene chloride	49	9.765	9.765	(0.758)	34574	0.50000	0.61
26 Tert-butyl alcohol	59	9.947	9.926	(0.772)	62564	0.50000	0.67(a)
27 Methyl tert-butyl ether	73	10.198	10.188	(0.792)	88698	0.50000	0.52
28 1,2-Dichloroethene (trans)	61	10.257	10.257	(0.796)	45024	0.50000	0.54
29 Acrylonitrile	53	10.423	10.418	(0.809)	20988	0.50000	0.53
30 n-Hexane	57	10.674	10.680	(0.829)	49943	0.50000	0.54
31 1,1-Dichloroethane	63	11.220	11.226	(0.871)	57155	0.50000	0.55
32 Vinyl acetate	43	11.274	11.268	(0.875)	60737	0.50000	0.50(a)
M 33 1,2-Dichloroethene,Total	61				83603	1.00000	1.1
34 1,2-Dichloroethene (cis)	96	12.402	12.402	(0.963)	38579	0.50000	0.54
35 Ethyl acetate	88	12.451	12.445	(0.967)	2999	0.50000	0.48(aQM)
36 Methyl Ethyl Ketone	72	12.424	12.418	(0.965)	28555	0.50000	0.75(Q)
* 37 Bromochloromethane	128	12.879	12.884	(1.000)	527258	10.0000	
38 Tetrahydrofuran	42	12.884	12.879	(0.872)	33362	0.50000	0.59(a)
39 Chloroform	83	12.986	12.991	(1.008)	68563	0.50000	0.54
40 Cyclohexane	84	13.290	13.290	(0.900)	49922	0.50000	0.52
41 1,1,1-Trichloroethane	97	13.307	13.307	(0.901)	72273	0.50000	0.52
42 Carbon tetrachloride	117	13.558	13.563	(0.918)	73323	0.50000	0.51
43 2,2,4-Trimethylpentane	57	13.954	13.959	(0.945)	153723	0.50000	0.53
44 Benzene	78	14.013	14.013	(0.949)	110309	0.50000	0.53
45 1,2-Dichloroethane	62	14.173	14.173	(0.959)	40879	0.50000	0.53
46 n-Heptane	43	14.312	14.307	(0.969)	70852	0.50000	0.68
* 47 1,4-Difluorobenzene	114	14.772	14.772	(1.000)	2607652	10.0000	
48 n-Butanol	56	15.067	15.045	(1.020)	11903	0.50000	0.44(a)
49 Trichloroethene	95	15.232	15.238	(1.031)	49090	0.50000	0.52
50 1,2-Dichloropropane	63	15.762	15.762	(1.067)	37426	0.50000	0.54
51 Methyl methacrylate	69	15.848	15.848	(1.073)	31776	0.50000	0.46(aQ)
52 Dibromomethane	174	15.997	16.003	(1.083)	54748	0.50000	0.49
53 1,4-Dioxane	88	15.944	15.933	(1.079)	15228	0.50000	0.46(a)
54 Bromodichloromethane	83	16.244	16.249	(1.100)	68373	0.50000	0.51
55 1,3-Dichloropropene (cis)	75	17.110	17.116	(1.158)	50442	0.50000	0.49
56 Methyl isobutyl ketone	43	17.356	17.356	(1.175)	57524	0.50000	0.50
57 n-Octane	43	17.688	17.688	(1.197)	73779	0.50000	0.56
58 Toluene	92	17.693	17.693	(0.864)	84774	0.50000	0.52
59 1,3-Dichloropropene (trans)	75	18.218	18.218	(1.233)	49722	0.50000	0.49
60 1,1,2-Trichloroethane	83	18.587	18.587	(0.908)	37827	0.50000	0.52
61 Tetrachloroethene	166	18.726	18.726	(0.915)	87297	0.50000	0.52

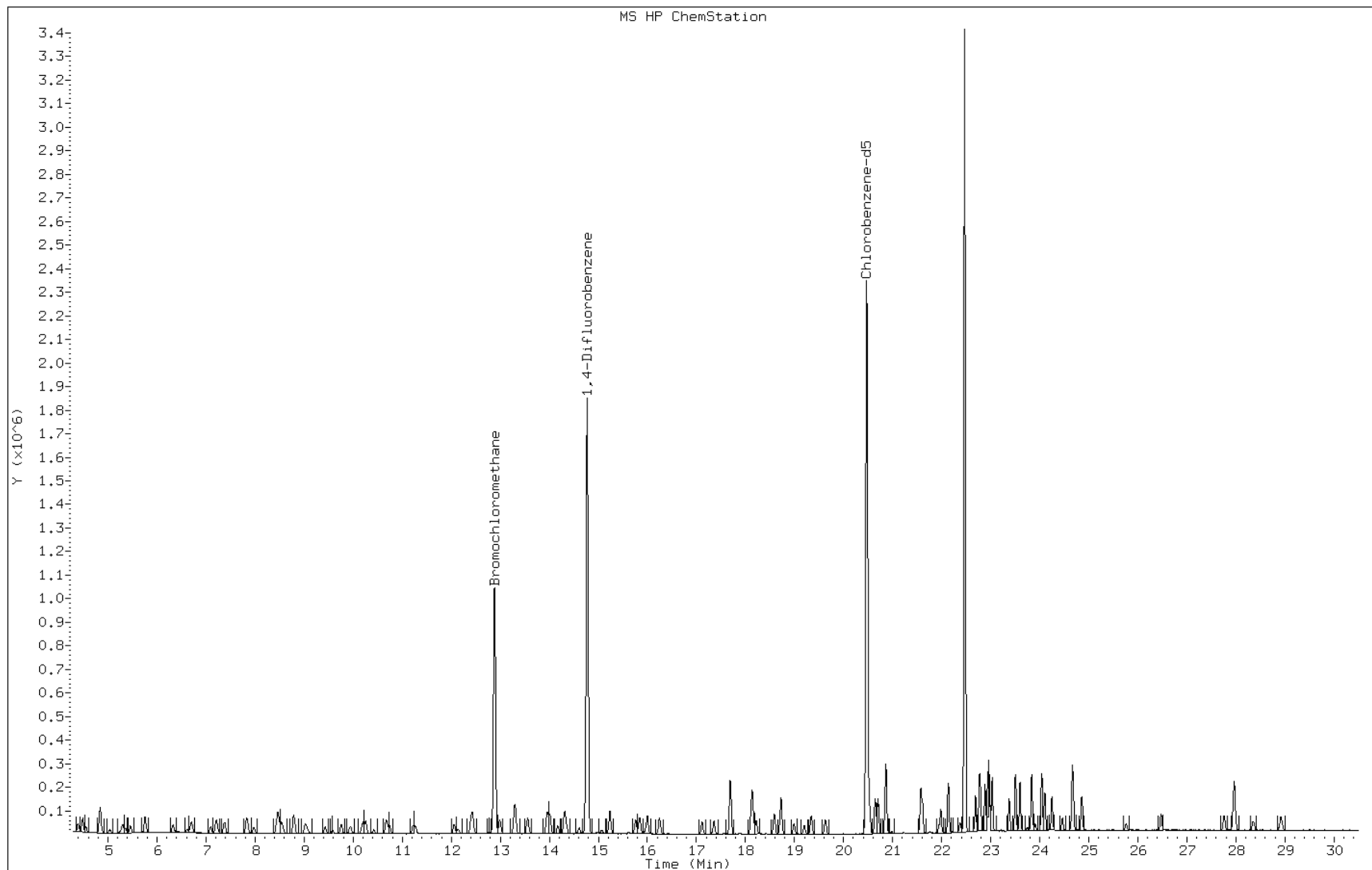
Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	18.993	18.983	(0.928)	45432	0.50000	0.47(a)
63 Dibromochloromethane	129	19.341	19.341	(0.945)	69696	0.50000	0.46
64 1,2-Dibromoethane	107	19.630	19.630	(0.959)	68121	0.50000	0.50
* 65 Chlorobenzene-d5	117	20.475	20.470	(1.000)	2375056	10.00000	
66 Chlorobenzene	112	20.529	20.529	(1.003)	122080	0.50000	0.53
67 n-Nonane	57	20.705	20.705	(1.011)	71298	0.50000	0.52
68 Ethylbenzene	91	20.646	20.646	(1.008)	175276	0.50000	0.52
69 Xylene (m,p)	106	20.860	20.860	(1.019)	147273	1.00000	1.0
M 70 Xylenes, Total	106				218849	0.50000	1.5
71 Xylene (o)	106	21.577	21.572	(1.054)	71576	0.50000	0.51
72 Styrene	104	21.609	21.609	(1.055)	94325	0.50000	0.47
73 Bromoform	173	21.984	21.984	(1.074)	68017	0.50000	0.41
74 Isopropylbenzene	105	22.139	22.139	(1.081)	203563	0.50000	0.52
75 1,1,2,2-Tetrachloroethane	83	22.690	22.690	(1.108)	95818	0.50000	0.52
76 n-Propylbenzene	91	22.770	22.770	(1.112)	218830	0.50000	0.50
77 1,2,3-Trichloropropane	75	22.792	22.792	(1.113)	68667	0.50000	0.50
78 n-Decane	57	22.882	22.883	(1.118)	85185	0.50000	0.49(a)
79 4-Ethyltoluene	105	22.936	22.936	(1.120)	190404	0.50000	0.49
80 2-Chlorotoluene	91	22.968	22.968	(1.122)	158640	0.50000	0.51
81 1,3,5-Trimethylbenzene	105	23.032	23.027	(1.125)	167671	0.50000	0.50
82 Alpha Methyl Styrene	118	23.375	23.375	(1.142)	62504	0.50000	0.41
83 tert-butylbenzene	119	23.508	23.503	(1.148)	176400	0.50000	0.51
84 1,2,4-Trimethylbenzene	105	23.594	23.599	(1.152)	159294	0.50000	0.49
85 sec-Butylbenzene	105	23.835	23.835	(1.164)	243980	0.50000	0.51
86 4-Isopropyltoluene	119	24.043	24.038	(1.174)	202156	0.50000	0.49
87 1,3-Dichlorobenzene	146	24.102	24.102	(1.177)	103982	0.50000	0.45
88 1,4-Dichlorobenzene	146	24.247	24.247	(1.184)	94022	0.50000	0.43
89 Benzyl chloride	91	24.461	24.461	(1.195)	54346	0.50000	0.33
90 Undecane	57	24.659	24.659	(1.204)	76015	0.50000	0.42(a)
91 n-Butylbenzene	91	24.680	24.680	(1.205)	145283	0.50000	0.47
92 1,2-Dichlorobenzene	146	24.862	24.857	(1.214)	100379	0.50000	0.45
93 Dodecane	57	26.477	26.472	(1.293)	36066	0.50000	0.30(a)
94 1,2,4-Trichlorobenzene	180	27.761	27.756	(1.356)	41622	0.50000	0.35(a)
95 1,3-Hexachlorobutadiene	225	27.965	27.965	(1.366)	92347	0.50000	0.47
96 Naphthalene	128	28.355	28.355	(1.385)	65965	0.50000	0.31(a)
97 1,2,3-Trichlorobenzene	180	28.917	28.917	(1.412)	45502	0.50000	0.43

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: waj006.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 554197
Lab Sample ID: ic 554197

Date: 19-SEP-2013 12:18
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32

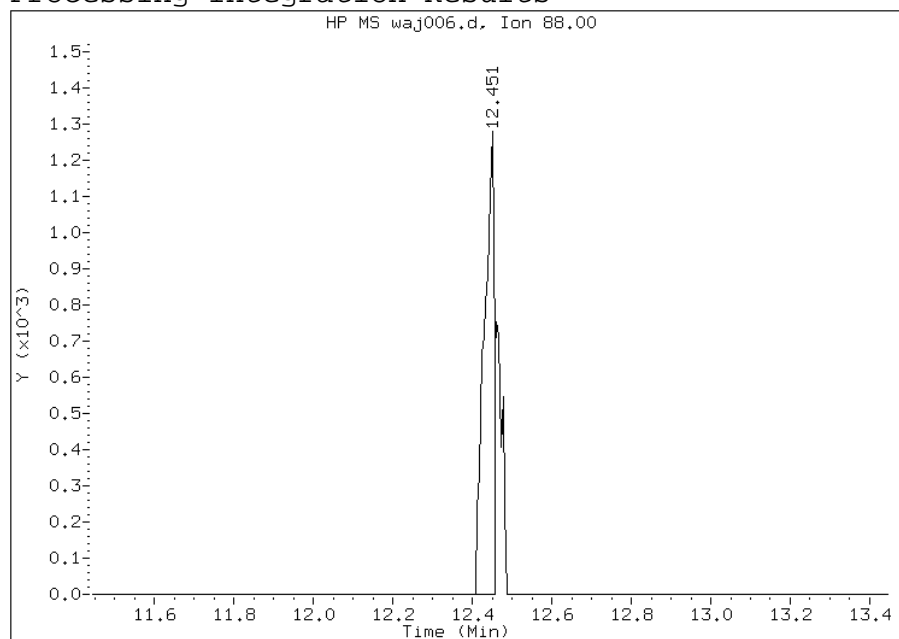


Manual Integration Report

Data File: waj006.d
Lab Sample ID: ic 554197
Inj. Date and Time: 19-SEP-2013 12:18
Instrument ID: W.i
Client ID:
Compound: 35 Ethyl acetate
CAS #: 141-78-6
Report Date: 09/20/2013

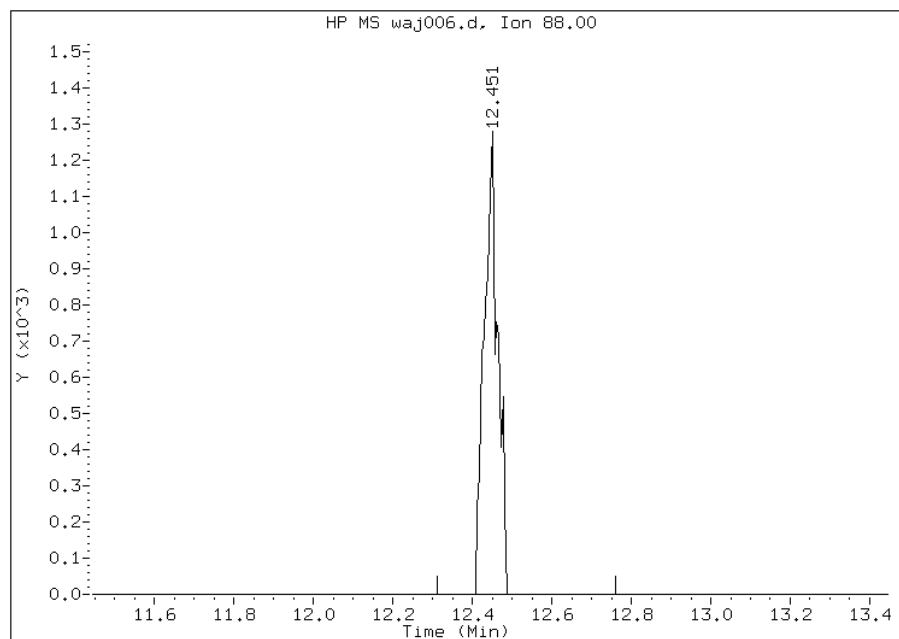
Processing Integration Results

RT: 12.45
Response: 2145
Amount: 0.351941
Conc: 0.351941



Manual Integration Results

RT: 12.45
Response: 2999
Amount: 0.479320
Conc: 0.479320



File Uploaded By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/W.i/Wsvr.p/wajto15.b/waj007.d
 Lab Smp Id: ic 554195
 Inj Date : 19-SEP-2013 13:07
 Operator : pad Inst ID: W.i
 Smp Info : ic 554195
 Misc Info : 200,1, level 3
 Comment :
 Method : /chem/W.i/Wsvr.p/wajto15.b/to15v5.m
 Meth Date : 19-Sep-2013 15:55 pd Quant Type: ISTD
 Cal Date : 19-SEP-2013 13:07 Cal File: waj007.d
 Als bottle: 4 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allTO15.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	4.394	4.405	(0.341)	208513	5.00000	4.6(a)
2 Dichlorodifluoromethane	85	4.490	4.496	(0.348)	902457	5.00000	4.9
3 Chlorodifluoromethane	51	4.554	4.560	(0.353)	448248	5.00000	5.0
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.843	4.849	(0.376)	1008159	5.00000	4.9
5 Chloromethane	50	5.041	5.041	(0.391)	259392	5.00000	4.9
6 Butane	43	5.303	5.309	(0.412)	424218	5.00000	4.9
7 Vinyl chloride	62	5.362	5.368	(0.416)	321272	5.00000	4.8
8 1,3-Butadiene	54	5.459	5.464	(0.424)	222646	5.00000	4.9
9 Bromomethane	94	6.331	6.336	(0.491)	335965	5.00000	4.9
10 Chloroethane	64	6.619	6.619	(0.514)	181143	5.00000	5.0
11 2-Methylbutane	43	6.710	6.710	(0.521)	349337	5.00000	4.9
12 Vinyl bromide	106	7.101	7.101	(0.551)	363877	5.00000	4.8
13 Trichlorofluoromethane	101	7.219	7.219	(0.560)	918259	5.00000	4.9
14 Pentane	43	7.379	7.384	(0.573)	542524	5.00000	5.0

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
15 Ethanol	45	7.818	7.818	(0.607)	259900	10.0000	10
16 Ethyl ether	59	7.968	7.973	(0.618)	240310	5.00000	5.0
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.470	8.470	(0.657)	730998	5.00000	4.9
18 Acrolein	56	8.433	8.438	(0.655)	123880	5.00000	5.1
19 1,1-Dichloroethene	96	8.540	8.540	(0.663)	343291	5.00000	4.9
20 Acetone	43	8.781	8.775	(0.682)	447590	5.00000	5.3
21 Carbon disulfide	76	9.027	9.027	(0.701)	994688	5.00000	4.9
22 Isopropanol	45	9.054	9.048	(0.703)	351812	5.00000	5.2
23 Allyl chloride	41	9.433	9.433	(0.732)	333689	5.00000	4.9
24 Acetonitrile	41	9.567	9.567	(0.743)	205003	5.00000	5.3
25 Methylene chloride	49	9.760	9.765	(0.758)	316567	5.00000	4.9
26 Tert-butyl alcohol	59	9.926	9.926	(0.770)	529588	5.00000	5.0
27 Methyl tert-butyl ether	73	10.193	10.188	(0.791)	967260	5.00000	5.0
28 1,2-Dichloroethene (trans)	61	10.257	10.257	(0.796)	469108	5.00000	4.9
29 Acrylonitrile	53	10.418	10.418	(0.809)	221565	5.00000	4.9
30 n-Hexane	57	10.680	10.680	(0.829)	526337	5.00000	5.0
31 1,1-Dichloroethane	63	11.226	11.226	(0.871)	587355	5.00000	4.9
32 Vinyl acetate	43	11.268	11.268	(0.875)	706897	5.00000	5.1
M 33 1,2-Dichloroethene,Total	61				862320	10.0000	9.7
34 1,2-Dichloroethene (cis)	96	12.402	12.402	(0.963)	393212	5.00000	4.8
35 Ethyl acetate	88	12.445	12.445	(0.966)	34571	5.00000	4.8(a)
36 Methyl Ethyl Ketone	72	12.424	12.418	(0.964)	180509	5.00000	4.1(Q)
* 37 Bromochloromethane	128	12.884	12.884	(1.000)	603123	10.0000	
38 Tetrahydrofuran	42	12.879	12.879	(0.872)	330354	5.00000	5.2
39 Chloroform	83	12.991	12.991	(1.008)	714651	5.00000	4.9
40 Cyclohexane	84	13.290	13.290	(0.900)	534582	5.00000	4.9
41 1,1,1-Trichloroethane	97	13.307	13.307	(0.901)	768838	5.00000	4.9
42 Carbon tetrachloride	117	13.558	13.563	(0.918)	808551	5.00000	5.0
43 2,2,4-Trimethylpentane	57	13.959	13.959	(0.945)	1639783	5.00000	5.0
44 Benzene	78	14.013	14.013	(0.949)	1147129	5.00000	4.8
45 1,2-Dichloroethane	62	14.173	14.173	(0.959)	425664	5.00000	4.9
46 n-Heptane	43	14.307	14.307	(0.968)	553683	5.00000	4.7
* 47 1,4-Difluorobenzene	114	14.772	14.772	(1.000)	2948420	10.0000	
48 n-Butanol	56	15.051	15.045	(1.019)	147379	5.00000	4.8(a)
49 Trichloroethene	95	15.238	15.238	(1.032)	517464	5.00000	4.9
50 1,2-Dichloropropane	63	15.757	15.762	(1.067)	386050	5.00000	4.9
51 Methyl methacrylate	69	15.848	15.848	(1.073)	381353	5.00000	4.9
52 Dibromomethane	174	16.003	16.003	(1.083)	608855	5.00000	4.8
53 1,4-Dioxane	88	15.933	15.933	(1.079)	182998	5.00000	4.9(a)
54 Bromodichloromethane	83	16.244	16.249	(1.100)	765546	5.00000	5.0
55 1,3-Dichloropropene (cis)	75	17.116	17.116	(1.159)	591862	5.00000	5.1
56 Methyl isobutyl ketone	43	17.351	17.356	(1.175)	670184	5.00000	5.1
57 n-Octane	43	17.688	17.688	(1.197)	780068	5.00000	5.2
58 Toluene	92	17.688	17.693	(0.864)	923159	5.00000	4.9
59 1,3-Dichloropropene (trans)	75	18.218	18.218	(1.233)	585156	5.00000	5.1
60 1,1,2-Trichloroethane	83	18.587	18.587	(0.908)	412352	5.00000	4.9
61 Tetrachloroethene	166	18.726	18.726	(0.915)	948829	5.00000	4.8

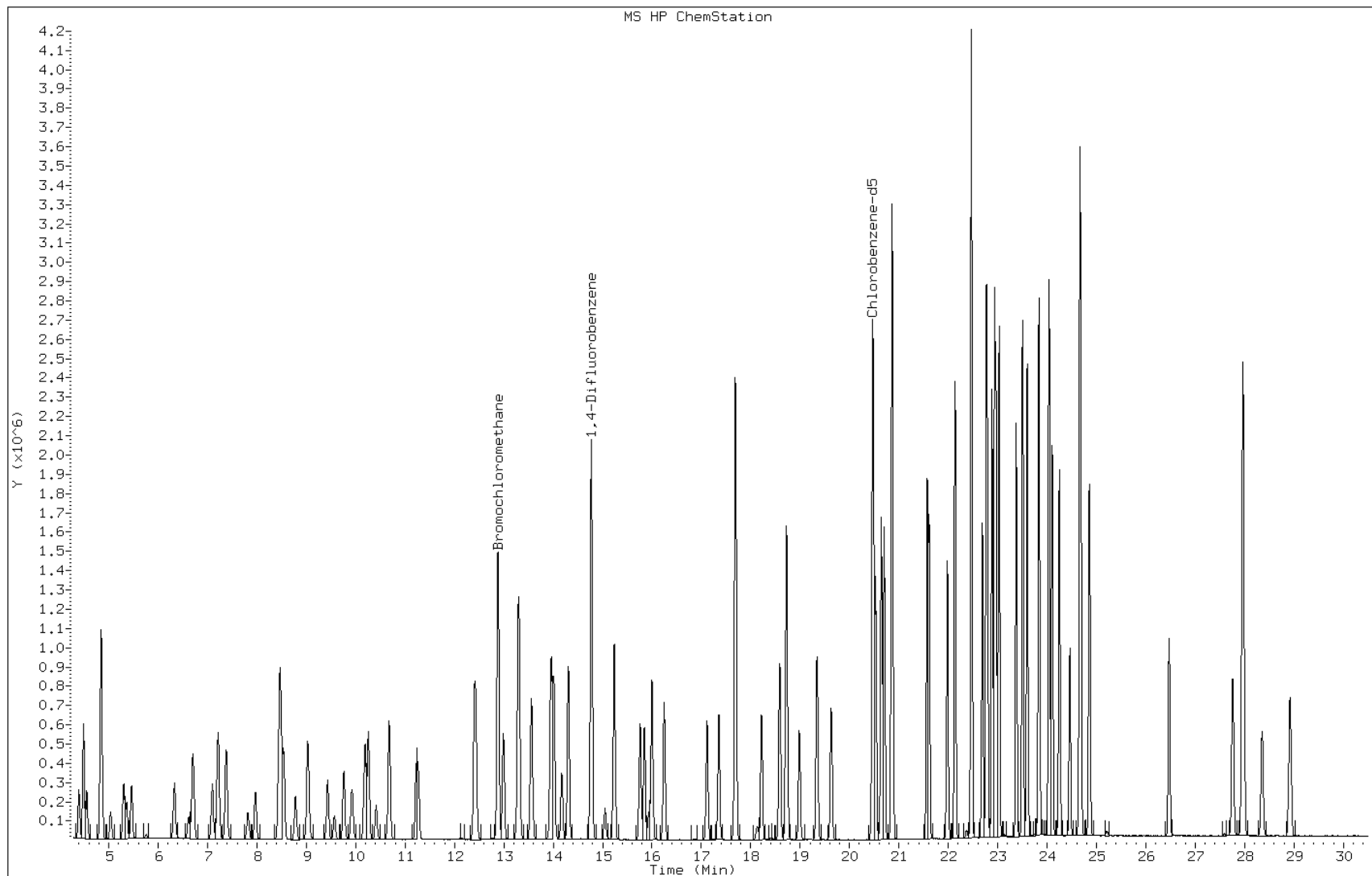
Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	18.983	18.983	(0.927)	555459	5.00000	5.0
63 Dibromochloromethane	129	19.341	19.341	(0.945)	894455	5.00000	5.1
64 1,2-Dibromoethane	107	19.630	19.630	(0.959)	782127	5.00000	5.0
* 65 Chlorobenzene-d5	117	20.475	20.470	(1.000)	2756967	10.00000	
66 Chlorobenzene	112	20.529	20.529	(1.003)	1300974	5.00000	4.8
67 n-Nonane	57	20.705	20.705	(1.011)	818162	5.00000	5.2
68 Ethylbenzene	91	20.646	20.646	(1.008)	1959402	5.00000	5.0
69 Xylene (m,p)	106	20.860	20.860	(1.019)	1701447	10.00000	10
M 70 Xylenes, Total	106				2522450	5.00000	15
71 Xylene (o)	106	21.572	21.572	(1.054)	821003	5.00000	5.0
72 Styrene	104	21.609	21.609	(1.055)	1244539	5.00000	5.3
73 Bromoform	173	21.984	21.984	(1.074)	1002544	5.00000	5.2
74 Isopropylbenzene	105	22.139	22.139	(1.081)	2353687	5.00000	5.1
75 1,1,2,2-Tetrachloroethane	83	22.690	22.690	(1.108)	1067029	5.00000	5.0
76 n-Propylbenzene	91	22.770	22.770	(1.112)	2617411	5.00000	5.2
77 1,2,3-Trichloropropane	75	22.792	22.792	(1.113)	788573	5.00000	5.0
78 n-Decane	57	22.883	22.883	(1.118)	1019066	5.00000	5.1
79 4-Ethyltoluene	105	22.936	22.936	(1.120)	2339462	5.00000	5.2
80 2-Chlorotoluene	91	22.968	22.968	(1.122)	1864029	5.00000	5.1
81 1,3,5-Trimethylbenzene	105	23.027	23.027	(1.125)	1984887	5.00000	5.1
82 Alpha Methyl Styrene	118	23.375	23.375	(1.142)	965124	5.00000	5.4
83 tert-butylbenzene	119	23.503	23.503	(1.148)	2028598	5.00000	5.1
84 1,2,4-Trimethylbenzene	105	23.599	23.599	(1.153)	1937522	5.00000	5.1
85 sec-Butylbenzene	105	23.835	23.835	(1.164)	2862515	5.00000	5.1
86 4-Isopropyltoluene	119	24.038	24.038	(1.174)	2496187	5.00000	5.2
87 1,3-Dichlorobenzene	146	24.102	24.102	(1.177)	1352450	5.00000	5.0
88 1,4-Dichlorobenzene	146	24.247	24.247	(1.184)	1267861	5.00000	5.0
89 Benzyl chloride	91	24.461	24.461	(1.195)	1028626	5.00000	5.4
90 Undecane	57	24.659	24.659	(1.204)	1017536	5.00000	4.9(a)
91 n-Butylbenzene	91	24.680	24.680	(1.205)	1907668	5.00000	5.3
92 1,2-Dichlorobenzene	146	24.857	24.857	(1.214)	1298383	5.00000	5.1
93 Dodecane	57	26.472	26.472	(1.293)	553216	5.00000	4.0(a)
94 1,2,4-Trichlorobenzene	180	27.761	27.756	(1.356)	573413	5.00000	4.1
95 1,3-Hexachlorobutadiene	225	27.965	27.965	(1.366)	1129478	5.00000	4.9
96 Naphthalene	128	28.355	28.355	(1.385)	947475	5.00000	3.9
97 1,2,3-Trichlorobenzene	180	28.917	28.917	(1.412)	569369	5.00000	4.6

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: waj007.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 554195
Lab Sample ID: ic 554195

Date: 19-SEP-2013 13:07
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/W.i/Wsvr.p/wajto15.b/waj008.d
 Lab Smp Id: icis 554194
 Inj Date : 19-SEP-2013 13:55
 Operator : pad Inst ID: W.i
 Smp Info : icis 554194
 Misc Info : 200,1, level 4
 Comment :
 Method : /chem/W.i/Wsvr.p/wajto15.b/to15v5.m
 Meth Date : 19-Sep-2013 15:55 pd Quant Type: ISTD
 Cal Date : 19-SEP-2013 13:55 Cal File: waj008.d
 Als bottle: 5 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allTO15.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable

Local Compound Variable

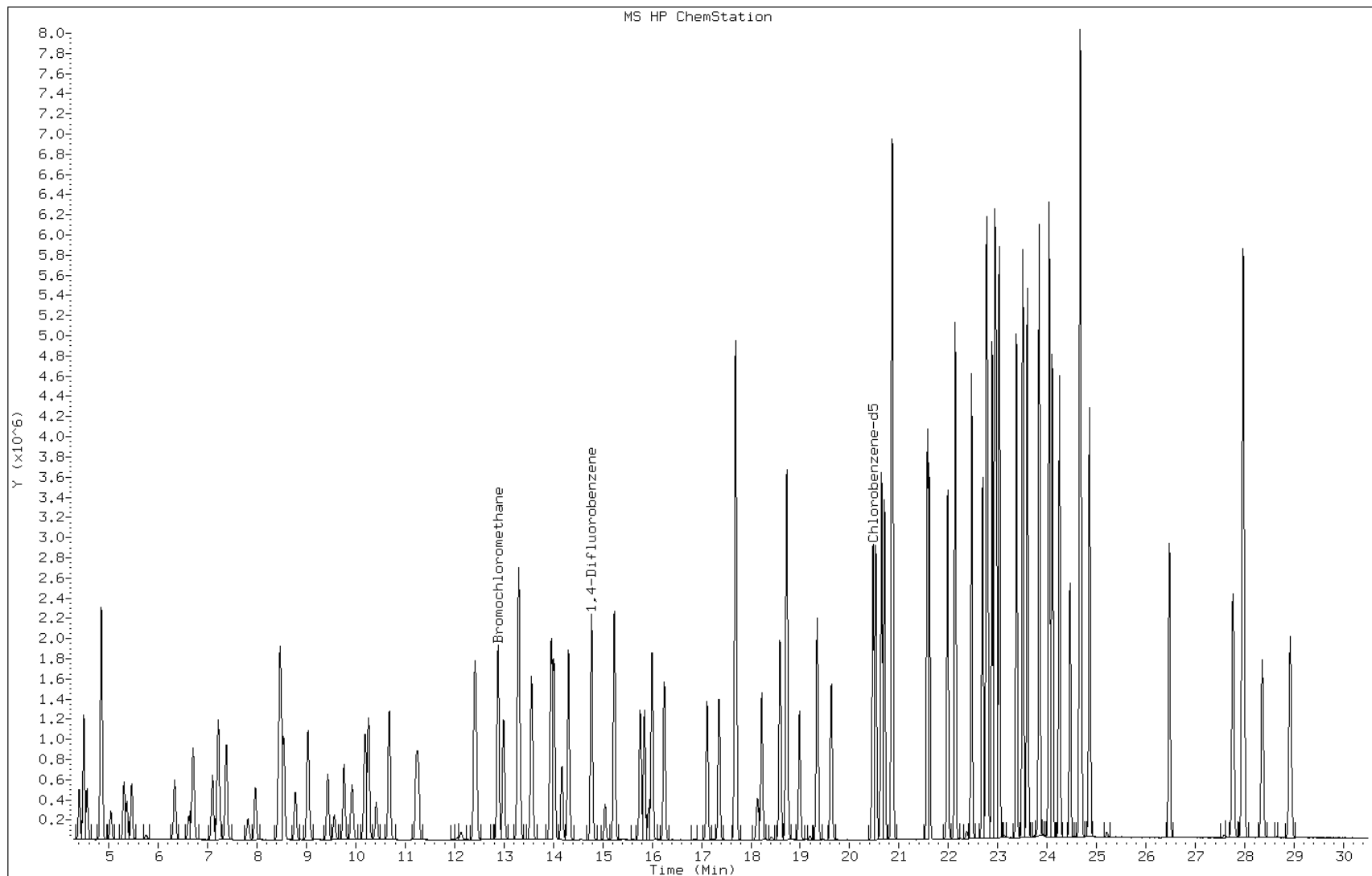
Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	4.405	4.405	(0.342)	419872	10.0000	8.4
2 Dichlorodifluoromethane	85	4.496	4.496	(0.349)	1885108	10.0000	9.3
3 Chlorodifluoromethane	51	4.560	4.560	(0.354)	904826	10.0000	9.1
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.849	4.849	(0.376)	2106813	10.0000	9.3
5 Chloromethane	50	5.041	5.041	(0.391)	524046	10.0000	8.9
6 Butane	43	5.309	5.309	(0.412)	840340	10.0000	8.7
7 Vinyl chloride	62	5.368	5.368	(0.417)	655911	10.0000	8.9
8 1,3-Butadiene	54	5.464	5.464	(0.424)	455054	10.0000	8.9
9 Bromomethane	94	6.336	6.336	(0.492)	688530	10.0000	9.0
10 Chloroethane	64	6.619	6.619	(0.514)	381760	10.0000	9.4
11 2-Methylbutane	43	6.710	6.710	(0.521)	726627	10.0000	9.1
12 Vinyl bromide	106	7.101	7.101	(0.551)	810600	10.0000	9.6
13 Trichlorofluoromethane	101	7.219	7.219	(0.560)	1970033	10.0000	9.4
14 Pentane	43	7.384	7.384	(0.573)	1118625	10.0000	9.2

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
15 Ethanol	45	7.818	7.818	(0.607)	392271	15.0000	14
16 Ethyl ether	59	7.973	7.973	(0.619)	522216	10.0000	9.8
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.470	8.470	(0.657)	1573889	10.0000	9.4
18 Acrolein	56	8.438	8.438	(0.655)	267162	10.0000	9.9
19 1,1-Dichloroethene	96	8.540	8.540	(0.663)	760325	10.0000	9.7
20 Acetone	43	8.775	8.775	(0.681)	933708	10.0000	9.9
21 Carbon disulfide	76	9.027	9.027	(0.701)	2150153	10.0000	9.5
22 Isopropanol	45	9.048	9.048	(0.702)	729764	10.0000	9.7
23 Allyl chloride	41	9.433	9.433	(0.732)	698989	10.0000	9.2
24 Acetonitrile	41	9.567	9.567	(0.743)	414448	10.0000	9.6
25 Methylene chloride	49	9.765	9.765	(0.758)	647092	10.0000	8.9
26 Tert-butyl alcohol	59	9.926	9.926	(0.770)	1167708	10.0000	9.8
27 Methyl tert-butyl ether	73	10.188	10.188	(0.791)	2126720	10.0000	9.9
28 1,2-Dichloroethene (trans)	61	10.257	10.257	(0.796)	1001212	10.0000	9.4
29 Acrylonitrile	53	10.418	10.418	(0.809)	480487	10.0000	9.6
30 n-Hexane	57	10.680	10.680	(0.829)	1129484	10.0000	9.6
31 1,1-Dichloroethane	63	11.226	11.226	(0.871)	1255312	10.0000	9.4
32 Vinyl acetate	43	11.268	11.268	(0.875)	1499968	10.0000	9.8
M 33 1,2-Dichloroethene,Total	61				1881918	20.0000	19
34 1,2-Dichloroethene (cis)	96	12.402	12.402	(0.963)	880706	10.0000	9.6
35 Ethyl acetate	88	12.445	12.445	(0.966)	77647	10.0000	9.7
36 Methyl Ethyl Ketone	72	12.418	12.418	(0.964)	401131	10.0000	8.2
* 37 Bromochloromethane	128	12.884	12.884	(1.000)	671547	10.0000	
38 Tetrahydrofuran	42	12.879	12.879	(0.872)	686144	10.0000	9.8
39 Chloroform	83	12.991	12.991	(1.008)	1559100	10.0000	9.6
40 Cyclohexane	84	13.290	13.290	(0.900)	1192009	10.0000	10
41 1,1,1-Trichloroethane	97	13.307	13.307	(0.901)	1690549	10.0000	9.8
42 Carbon tetrachloride	117	13.563	13.563	(0.918)	1827909	10.0000	10
43 2,2,4-Trimethylpentane	57	13.959	13.959	(0.945)	3524599	10.0000	9.8
44 Benzene	78	14.013	14.013	(0.949)	2509911	10.0000	9.7
45 1,2-Dichloroethane	62	14.173	14.173	(0.959)	911012	10.0000	9.6
46 n-Heptane	43	14.307	14.307	(0.968)	1153883	10.0000	8.9
* 47 1,4-Difluorobenzene	114	14.772	14.772	(1.000)	3224788	10.0000	
48 n-Butanol	56	15.045	15.045	(1.018)	333366	10.0000	10
49 Trichloroethene	95	15.238	15.238	(1.032)	1151401	10.0000	9.9
50 1,2-Dichloropropane	63	15.762	15.762	(1.067)	837433	10.0000	9.7
51 Methyl methacrylate	69	15.848	15.848	(1.073)	863033	10.0000	10
52 Dibromomethane	174	16.003	16.003	(1.083)	1409587	10.0000	10
53 1,4-Dioxane	88	15.933	15.933	(1.079)	403609	10.0000	9.9
54 Bromodichloromethane	83	16.249	16.249	(1.100)	1692949	10.0000	10
55 1,3-Dichloropropene (cis)	75	17.116	17.116	(1.159)	1329676	10.0000	10
56 Methyl isobutyl ketone	43	17.356	17.356	(1.175)	1413207	10.0000	9.8
57 n-Octane	43	17.688	17.688	(1.197)	1560340	10.0000	9.5
58 Toluene	92	17.693	17.693	(0.864)	2027991	10.0000	9.8
59 1,3-Dichloropropene (trans)	75	18.218	18.218	(1.233)	1337802	10.0000	11
60 1,1,2-Trichloroethane	83	18.587	18.587	(0.908)	909620	10.0000	9.8
61 Tetrachloroethene	166	18.726	18.726	(0.915)	2182091	10.0000	10

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	18.983	18.983	(0.927)	1240223	10.0000	10
63 Dibromochloromethane	129	19.341	19.341	(0.945)	2095733	10.0000	11
64 1,2-Dibromoethane	107	19.630	19.630	(0.959)	1790262	10.0000	10
* 65 Chlorobenzene-d5	117	20.470	20.470	(1.000)	3031590	10.0000	
66 Chlorobenzene	112	20.529	20.529	(1.003)	2901010	10.0000	9.8
67 n-Nonane	57	20.705	20.705	(1.011)	1732934	10.0000	10
68 Ethylbenzene	91	20.646	20.646	(1.009)	4279361	10.0000	9.9
69 Xylene (m,p)	106	20.860	20.860	(1.019)	3740204	20.0000	20
M 70 Xylenes, Total	106				5584244	10.0000	31
71 Xylene (o)	106	21.572	21.572	(1.054)	1844040	10.0000	10
72 Styrene	104	21.609	21.609	(1.056)	2823000	10.0000	11
73 Bromoform	173	21.984	21.984	(1.074)	2428804	10.0000	12
74 Isopropylbenzene	105	22.139	22.139	(1.082)	5123288	10.0000	10
75 1,1,2,2-Tetrachloroethane	83	22.690	22.690	(1.108)	2343546	10.0000	10
76 n-Propylbenzene	91	22.770	22.770	(1.112)	5698744	10.0000	10
77 1,2,3-Trichloropropane	75	22.792	22.792	(1.113)	1717083	10.0000	9.8
78 n-Decane	57	22.883	22.883	(1.118)	2190278	10.0000	9.9
79 4-Ethyltoluene	105	22.936	22.936	(1.120)	5202930	10.0000	11
80 2-Chlorotoluene	91	22.968	22.968	(1.122)	4086480	10.0000	10
81 1,3,5-Trimethylbenzene	105	23.027	23.027	(1.125)	4403302	10.0000	10
82 Alpha Methyl Styrene	118	23.375	23.375	(1.142)	2307727	10.0000	12
83 tert-butylbenzene	119	23.503	23.503	(1.148)	4461869	10.0000	10
84 1,2,4-Trimethylbenzene	105	23.599	23.599	(1.153)	4343547	10.0000	10
85 sec-Butylbenzene	105	23.835	23.835	(1.164)	6236083	10.0000	10
86 4-Isopropyltoluene	119	24.038	24.038	(1.174)	5546725	10.0000	11
87 1,3-Dichlorobenzene	146	24.102	24.102	(1.177)	3243478	10.0000	11
88 1,4-Dichlorobenzene	146	24.247	24.247	(1.185)	3113737	10.0000	11
89 Benzyl chloride	91	24.461	24.461	(1.195)	2702622	10.0000	13
90 Undecane	57	24.659	24.659	(1.205)	2300115	10.0000	10
91 n-Butylbenzene	91	24.680	24.680	(1.206)	4329151	10.0000	11
92 1,2-Dichlorobenzene	146	24.857	24.857	(1.214)	3063777	10.0000	11
93 Dodecane	57	26.472	26.472	(1.293)	1592873	10.0000	10
94 1,2,4-Trichlorobenzene	180	27.756	27.756	(1.356)	1733467	10.0000	11
95 1,3-Hexachlorobutadiene	225	27.965	27.965	(1.366)	2708565	10.0000	11
96 Naphthalene	128	28.355	28.355	(1.385)	3151323	10.0000	12
97 1,2,3-Trichlorobenzene	180	28.917	28.917	(1.413)	1598110	10.0000	12

Data File: waj008.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icis 554194
Lab Sample ID: icis 554194

Date: 19-SEP-2013 13:55
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/W.i/Wsvr.p/wajto15.b/waj009.d
 Lab Smp Id: ic 531964
 Inj Date : 19-SEP-2013 14:43
 Operator : pad
 Smp Info : ic 531964
 Misc Info : 200,1, level 5
 Comment :
 Method : /chem/W.i/Wsvr.p/wajto15.b/to15v5.m
 Meth Date : 19-Sep-2013 15:55 pd
 Cal Date : 19-SEP-2013 14:43
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: chemsvr6

Inst ID: W.i
 Quant Type: ISTD
 Cal File: waj009.d
 Calibration Sample, Level: 5
 Compound Sublist: allTO15.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	4.383	4.405	(0.340)	623038	15.0000	13
2 Dichlorodifluoromethane	85	4.479	4.496	(0.348)	2885821	15.0000	15
3 Chlorodifluoromethane	51	4.544	4.560	(0.353)	1371498	15.0000	14
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.838	4.849	(0.376)	3226588	15.0000	15
5 Chloromethane	50	5.030	5.041	(0.390)	788021	15.0000	14
6 Butane	43	5.298	5.309	(0.411)	1251295	15.0000	13
7 Vinyl chloride	62	5.357	5.368	(0.416)	985341	15.0000	14
8 1,3-Butadiene	54	5.453	5.464	(0.423)	676813	15.0000	14
9 Bromomethane	94	6.325	6.336	(0.491)	1049988	15.0000	14
10 Chloroethane	64	6.614	6.619	(0.513)	576390	15.0000	15
11 2-Methylbutane	43	6.705	6.710	(0.520)	1060324	15.0000	14
12 Vinyl bromide	106	7.095	7.101	(0.551)	1290070	15.0000	16
13 Trichlorofluoromethane	101	7.213	7.219	(0.560)	3078787	15.0000	15
14 Pentane	43	7.374	7.384	(0.572)	1678841	15.0000	14

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
15 Ethanol	45	7.823	7.818	(0.607)	499087	20.0000	18
16 Ethyl ether	59	7.967	7.973	(0.618)	793568	15.0000	15
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.465	8.470	(0.657)	2462365	15.0000	15
18 Acrolein	56	8.433	8.438	(0.655)	389257	15.0000	15
19 1,1-Dichloroethene	96	8.540	8.540	(0.663)	1202435	15.0000	16
20 Acetone	43	8.781	8.775	(0.682)	1295099	15.0000	14
21 Carbon disulfide	76	9.027	9.027	(0.701)	3311780	15.0000	15
22 Isopropanol	45	9.053	9.048	(0.703)	1076595	15.0000	15
23 Allyl chloride	41	9.433	9.433	(0.732)	1052614	15.0000	14
24 Acetonitrile	41	9.567	9.567	(0.743)	627016	15.0000	15
25 Methylene chloride	49	9.760	9.765	(0.758)	977360	15.0000	14
26 Tert-butyl alcohol	59	9.931	9.926	(0.771)	1771755	15.0000	15
27 Methyl tert-butyl ether	73	10.188	10.188	(0.791)	3296644	15.0000	16
28 1,2-Dichloroethene (trans)	61	10.257	10.257	(0.796)	1522168	15.0000	15
29 Acrylonitrile	53	10.418	10.418	(0.809)	723741	15.0000	15
30 n-Hexane	57	10.680	10.680	(0.829)	1728081	15.0000	15
31 1,1-Dichloroethane	63	11.225	11.226	(0.871)	1919802	15.0000	15
32 Vinyl acetate	43	11.274	11.268	(0.875)	2233330	15.0000	15
M 33 1,2-Dichloroethene,Total	61				2895120	30.0000	30
34 1,2-Dichloroethene (cis)	96	12.402	12.402	(0.963)	1372952	15.0000	15
35 Ethyl acetate	88	12.445	12.445	(0.966)	123474	15.0000	16
36 Methyl Ethyl Ketone	72	12.424	12.418	(0.964)	614483	15.0000	13(Q)
* 37 Bromochloromethane	128	12.884	12.884	(1.000)	654677	10.0000	
38 Tetrahydrofuran	42	12.879	12.879	(0.871)	1013635	15.0000	15
39 Chloroform	83	12.996	12.991	(1.009)	2401505	15.0000	15
40 Cyclohexane	84	13.296	13.290	(0.900)	1847861	15.0000	16
41 1,1,1-Trichloroethane	97	13.306	13.307	(0.900)	2619570	15.0000	16
42 Carbon tetrachloride	117	13.558	13.563	(0.917)	2893090	15.0000	17
43 2,2,4-Trimethylpentane	57	13.959	13.959	(0.945)	5291978	15.0000	15
44 Benzene	78	14.018	14.013	(0.949)	3858548	15.0000	15
45 1,2-Dichloroethane	62	14.173	14.173	(0.959)	1378048	15.0000	15
46 n-Heptane	43	14.307	14.307	(0.968)	1706904	15.0000	14
* 47 1,4-Difluorobenzene	114	14.778	14.772	(1.000)	3132804	10.0000	
48 n-Butanol	56	15.050	15.045	(1.018)	497500	15.0000	15
49 Trichloroethene	95	15.238	15.238	(1.031)	1791060	15.0000	16
50 1,2-Dichloropropane	63	15.762	15.762	(1.067)	1283999	15.0000	15
51 Methyl methacrylate	69	15.848	15.848	(1.072)	1343019	15.0000	16
52 Dibromomethane	174	16.003	16.003	(1.083)	2260201	15.0000	17
53 1,4-Dioxane	88	15.933	15.933	(1.078)	606832	15.0000	15
54 Bromodichloromethane	83	16.249	16.249	(1.100)	2631357	15.0000	16
55 1,3-Dichloropropene (cis)	75	17.115	17.116	(1.158)	2076934	15.0000	17
56 Methyl isobutyl ketone	43	17.356	17.356	(1.174)	2097892	15.0000	15
57 n-Octane	43	17.688	17.688	(1.197)	2209659	15.0000	14
58 Toluene	92	17.693	17.693	(0.864)	3067587	15.0000	15
59 1,3-Dichloropropene (trans)	75	18.218	18.218	(1.233)	2086315	15.0000	17
60 1,1,2-Trichloroethane	83	18.587	18.587	(0.908)	1395445	15.0000	16
61 Tetrachloroethene	166	18.726	18.726	(0.915)	3449453	15.0000	17

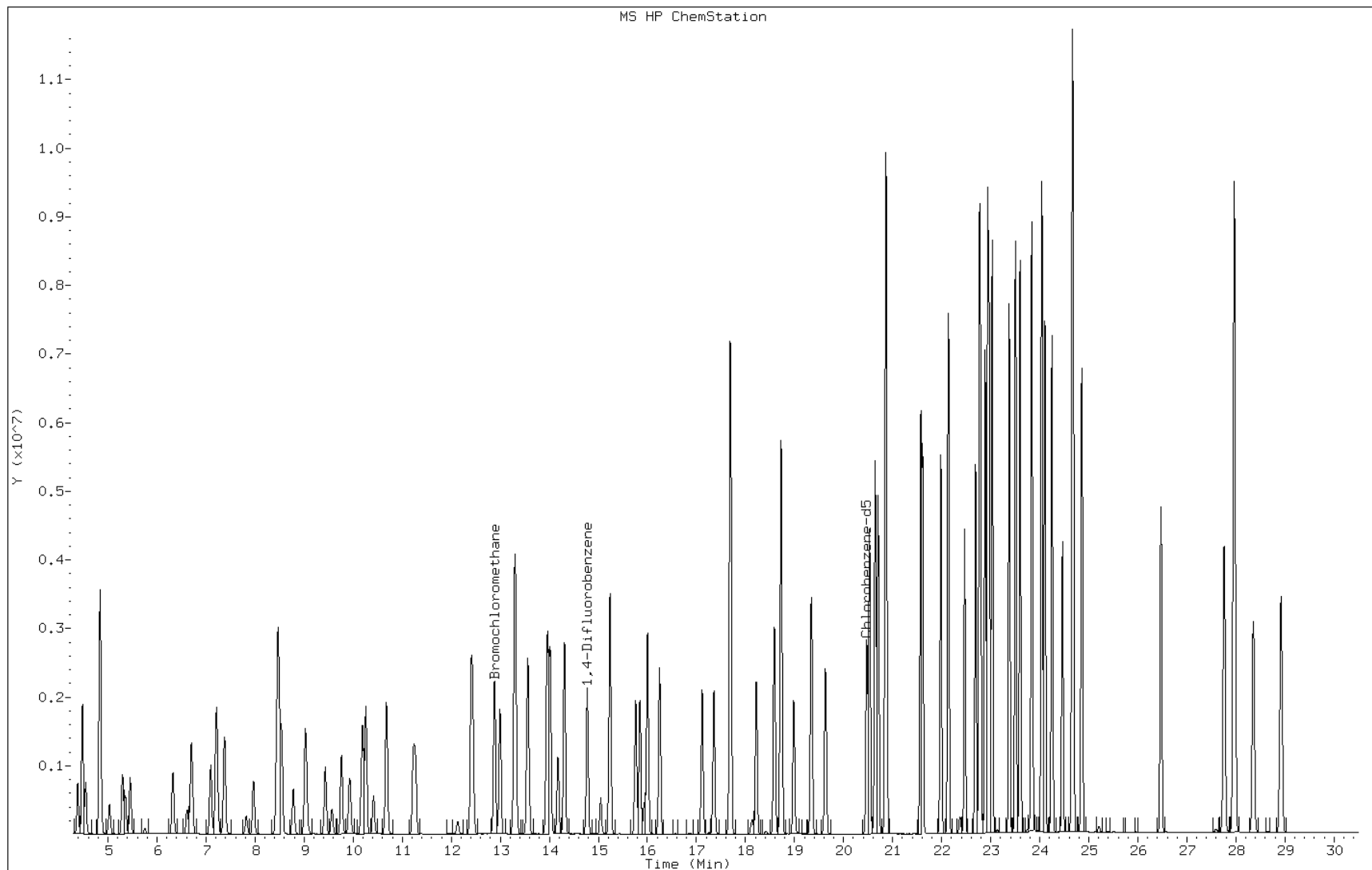
Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	18.983	18.983	(0.927)	1869128	15.0000	16
63 Dibromochloromethane	129	19.341	19.341	(0.945)	3324122	15.0000	18
64 1,2-Dibromoethane	107	19.630	19.630	(0.959)	2800574	15.0000	17
* 65 Chlorobenzene-d5	117	20.475	20.470	(1.000)	2940142	10.0000	
66 Chlorobenzene	112	20.529	20.529	(1.003)	4470815	15.0000	16
67 n-Nonane	57	20.705	20.705	(1.011)	2550612	15.0000	15
68 Ethylbenzene	91	20.646	20.646	(1.008)	6500617	15.0000	16
69 Xylene (m,p)	106	20.866	20.860	(1.019)	5632789	30.0000	32
M 70 Xylenes, Total	106				8466860	15.0000	48
71 Xylene (o)	106	21.572	21.572	(1.054)	2834071	15.0000	16
72 Styrene	104	21.609	21.609	(1.055)	4385354	15.0000	18
73 Bromoform	173	21.984	21.984	(1.074)	3907531	15.0000	19
74 Isopropylbenzene	105	22.139	22.139	(1.081)	7691687	15.0000	16
75 1,1,2,2-Tetrachloroethane	83	22.690	22.690	(1.108)	3577598	15.0000	16
76 n-Propylbenzene	91	22.770	22.770	(1.112)	8426914	15.0000	16
77 1,2,3-Trichloropropane	75	22.791	22.792	(1.113)	2589380	15.0000	15
78 n-Decane	57	22.882	22.883	(1.118)	3247360	15.0000	15
79 4-Ethyltoluene	105	22.936	22.936	(1.120)	7794250	15.0000	16
80 2-Chlorotoluene	91	22.968	22.968	(1.122)	6179188	15.0000	16
81 1,3,5-Trimethylbenzene	105	23.027	23.027	(1.125)	6662654	15.0000	16
82 Alpha Methyl Styrene	118	23.380	23.375	(1.142)	3714033	15.0000	19
83 tert-butylbenzene	119	23.508	23.503	(1.148)	6794815	15.0000	16
84 1,2,4-Trimethylbenzene	105	23.599	23.599	(1.153)	6649409	15.0000	17
85 sec-Butylbenzene	105	23.840	23.835	(1.164)	9317017	15.0000	16
86 4-Isopropyltoluene	119	24.043	24.038	(1.174)	8404126	15.0000	16
87 1,3-Dichlorobenzene	146	24.102	24.102	(1.177)	5192481	15.0000	18
88 1,4-Dichlorobenzene	146	24.252	24.247	(1.184)	5018780	15.0000	19
89 Benzyl chloride	91	24.461	24.461	(1.195)	4569139	15.0000	22
90 Undecane	57	24.659	24.659	(1.204)	3364345	15.0000	15
91 n-Butylbenzene	91	24.680	24.680	(1.205)	6544701	15.0000	17
92 1,2-Dichlorobenzene	146	24.857	24.857	(1.214)	4906022	15.0000	18
93 Dodecane	57	26.472	26.472	(1.293)	2605296	15.0000	18
94 1,2,4-Trichlorobenzene	180	27.761	27.756	(1.356)	3049076	15.0000	20
95 1,3-Hexachlorobutadiene	225	27.965	27.965	(1.366)	4453305	15.0000	18
96 Naphthalene	128	28.355	28.355	(1.385)	5539868	15.0000	21
97 1,2,3-Trichlorobenzene	180	28.922	28.917	(1.413)	2783029	15.0000	21

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: waj009.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 531964
Lab Sample ID: ic 531964

Date: 19-SEP-2013 14:43
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/W.i/Wsvr.p/wajto15.b/waj010.d
 Lab Smp Id: ic 554065
 Inj Date : 19-SEP-2013 15:32
 Operator : pad
 Smp Info : ic 554065
 Misc Info : 200,1, level 6
 Comment :
 Method : /chem/W.i/Wsvr.p/wajto15.b/to15v5.m
 Meth Date : 19-Sep-2013 16:09 pd
 Cal Date : 19-SEP-2013 15:32
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: chemsvr6

Inst ID: W.i

Quant Type: ISTD

Cal File: waj010.d

Calibration Sample, Level: 6

Compound Sublist: allTO15.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41			4.383	4.405	(0.340)	798988	20.0000	17
2 Dichlorodifluoromethane	85			4.479	4.496	(0.348)	3757764	20.0000	19
3 Chlorodifluoromethane	51			4.544	4.560	(0.353)	1767268	20.0000	18
4 1,2-Dichloro-1,1,2,2-tetraflu	85			4.838	4.849	(0.376)	4191302	20.0000	19
5 Chloromethane	50			5.030	5.041	(0.390)	1020783	20.0000	18
6 Butane	43			5.293	5.309	(0.411)	1569210	20.0000	17
7 Vinyl chloride	62			5.351	5.368	(0.415)	1272449	20.0000	18
8 1,3-Butadiene	54			5.453	5.464	(0.423)	863810	20.0000	18
9 Bromomethane	94			6.325	6.336	(0.491)	1326412	20.0000	18
10 Chloroethane	64			6.609	6.619	(0.513)	770582	20.0000	19
11 2-Methylbutane	43			6.700	6.710	(0.520)	1398779	20.0000	18
12 Vinyl bromide	106			7.090	7.101	(0.550)	1715591	20.0000	21
13 Trichlorofluoromethane	101			7.208	7.219	(0.559)	4043752	20.0000	20
14 Pentane	43			7.374	7.384	(0.572)	2133667	20.0000	18

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
15 Ethanol	45	7.818	7.818	(0.607)	973749	40.0000	35
16 Ethyl ether	59	7.962	7.973	(0.618)	1032662	20.0000	20
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.465	8.470	(0.657)	3240661	20.0000	20
18 Acrolein	56	8.428	8.438	(0.654)	521409	20.0000	20
19 1,1-Dichloroethene	96	8.535	8.540	(0.662)	1599281	20.0000	21
20 Acetone	43	8.770	8.775	(0.681)	1575394	20.0000	18
21 Carbon disulfide	76	9.021	9.027	(0.700)	4355945	20.0000	20
22 Isopropanol	45	9.053	9.048	(0.703)	1331029	20.0000	18
23 Allyl chloride	41	9.428	9.433	(0.732)	1347282	20.0000	18
24 Acetonitrile	41	9.562	9.567	(0.742)	796528	20.0000	19
25 Methylene chloride	49	9.760	9.765	(0.758)	1253193	20.0000	18
26 Tert-butyl alcohol	59	9.925	9.926	(0.770)	2279105	20.0000	20
27 Methyl tert-butyl ether	73	10.188	10.188	(0.791)	4322366	20.0000	20
28 1,2-Dichloroethene (trans)	61	10.257	10.257	(0.796)	1982079	20.0000	19
29 Acrylonitrile	53	10.412	10.418	(0.808)	938008	20.0000	19
30 n-Hexane	57	10.674	10.680	(0.828)	2231960	20.0000	19
31 1,1-Dichloroethane	63	11.225	11.226	(0.871)	2488344	20.0000	19
32 Vinyl acetate	43	11.268	11.268	(0.875)	2862469	20.0000	19
M 33 1,2-Dichloroethene,Total	61				3801248	40.0000	39
34 1,2-Dichloroethene (cis)	96	12.402	12.402	(0.963)	1819169	20.0000	20
35 Ethyl acetate	88	12.440	12.445	(0.966)	162339	20.0000	20
36 Methyl Ethyl Ketone	72	12.418	12.418	(0.964)	788625	20.0000	17(Q)
* 37 Bromochloromethane	128	12.884	12.884	(1.000)	663418	10.0000	
38 Tetrahydrofuran	42	12.873	12.879	(0.871)	1284688	20.0000	19
39 Chloroform	83	12.991	12.991	(1.008)	3153807	20.0000	20
40 Cyclohexane	84	13.290	13.290	(0.900)	2420113	20.0000	20
41 1,1,1-Trichloroethane	97	13.306	13.307	(0.901)	3444893	20.0000	20
42 Carbon tetrachloride	117	13.558	13.563	(0.918)	3859215	20.0000	22
43 2,2,4-Trimethylpentane	57	13.959	13.959	(0.945)	6743669	20.0000	19
44 Benzene	78	14.013	14.013	(0.949)	5010943	20.0000	20
45 1,2-Dichloroethane	62	14.173	14.173	(0.959)	1788253	20.0000	19
46 n-Heptane	43	14.307	14.307	(0.968)	2135928	20.0000	17
* 47 1,4-Difluorobenzene	114	14.772	14.772	(1.000)	3180320	10.0000	
48 n-Butanol	56	15.045	15.045	(1.018)	685321	20.0000	21
49 Trichloroethene	95	15.238	15.238	(1.032)	2352518	20.0000	20
50 1,2-Dichloropropane	63	15.762	15.762	(1.067)	1661875	20.0000	20
51 Methyl methacrylate	69	15.848	15.848	(1.073)	1770002	20.0000	21
52 Dibromomethane	174	16.003	16.003	(1.083)	3033703	20.0000	22
53 1,4-Dioxane	88	15.933	15.933	(1.079)	784887	20.0000	20
54 Bromodichloromethane	83	16.249	16.249	(1.100)	3452814	20.0000	21
55 1,3-Dichloropropene (cis)	75	17.115	17.116	(1.159)	2732160	20.0000	21
56 Methyl isobutyl ketone	43	17.356	17.356	(1.175)	2659514	20.0000	19
57 n-Octane	43	17.688	17.688	(1.197)	2697480	20.0000	17
58 Toluene	92	17.693	17.693	(0.864)	3934223	20.0000	20
59 1,3-Dichloropropene (trans)	75	18.223	18.218	(1.234)	2761626	20.0000	22
60 1,1,2-Trichloroethane	83	18.592	18.587	(0.908)	1836142	20.0000	20
61 Tetrachloroethene	166	18.726	18.726	(0.915)	4598687	20.0000	22

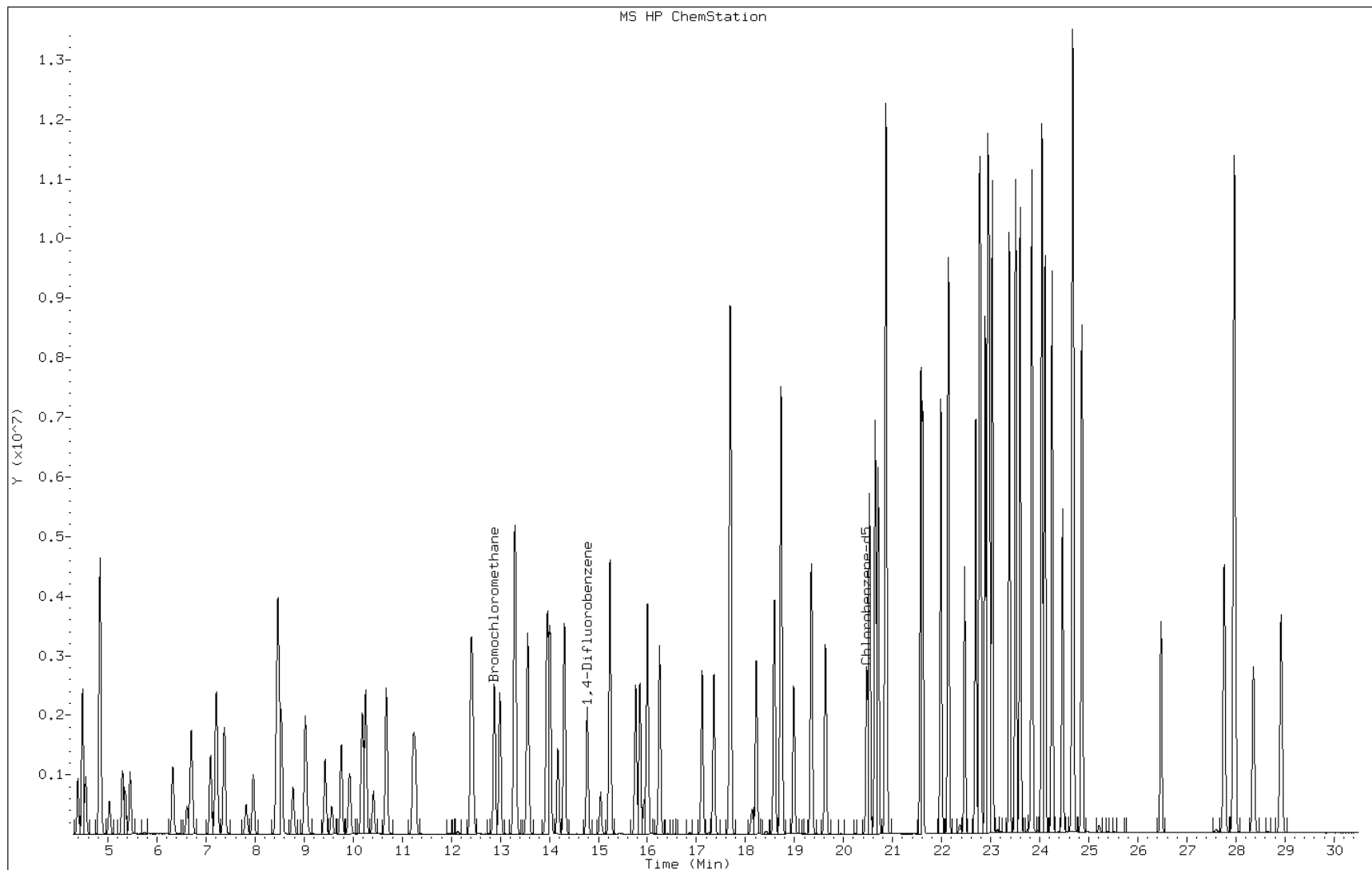
Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62 2-Hexanone	43	18.983	18.983	(0.927)	2399405	20.0000	20
63 Dibromochloromethane	129	19.341	19.341	(0.945)	4433813	20.0000	23
64 1,2-Dibromoethane	107	19.630	19.630	(0.959)	3715986	20.0000	22
* 65 Chlorobenzene-d5	117	20.475	20.470	(1.000)	2963778	10.0000	
66 Chlorobenzene	112	20.529	20.529	(1.003)	5850574	20.0000	20
67 n-Nonane	57	20.705	20.705	(1.011)	3206994	20.0000	19
68 Ethylbenzene	91	20.646	20.646	(1.008)	8347972	20.0000	20
69 Xylene (m,p)	106	20.866	20.860	(1.019)	7114261	40.0000	40
M 70 Xylenes, Total	106				10805115	20.0000	61
71 Xylene (o)	106	21.572	21.572	(1.054)	3690853	20.0000	21
72 Styrene	104	21.615	21.609	(1.056)	5707867	20.0000	22
73 Bromoform	173	21.984	21.984	(1.074)	5233276	20.0000	24
74 Isopropylbenzene	105	22.139	22.139	(1.081)	9773642	20.0000	20
75 1,1,2,2-Tetrachloroethane	83	22.690	22.690	(1.108)	4669135	20.0000	20
76 n-Propylbenzene	91	22.770	22.770	(1.112)	10521696	20.0000	20
77 1,2,3-Trichloropropane	75	22.797	22.792	(1.113)	3345597	20.0000	20
78 n-Decane	57	22.888	22.883	(1.118)	3975689	20.0000	19
79 4-Ethyltoluene	105	22.941	22.936	(1.120)	9823180	20.0000	20
80 2-Chlorotoluene	91	22.968	22.968	(1.122)	7952797	20.0000	20
81 1,3,5-Trimethylbenzene	105	23.032	23.027	(1.125)	8498937	20.0000	20
82 Alpha Methyl Styrene	118	23.380	23.375	(1.142)	4879464	20.0000	24
83 tert-butylbenzene	119	23.508	23.503	(1.148)	8719919	20.0000	20
84 1,2,4-Trimethylbenzene	105	23.599	23.599	(1.153)	8419105	20.0000	21
85 sec-Butylbenzene	105	23.840	23.835	(1.164)	11643174	20.0000	20
86 4-Isopropyltoluene	119	24.043	24.038	(1.174)	10521292	20.0000	20
87 1,3-Dichlorobenzene	146	24.108	24.102	(1.177)	6785245	20.0000	23
88 1,4-Dichlorobenzene	146	24.252	24.247	(1.184)	6584596	20.0000	23
89 Benzyl chloride	91	24.466	24.461	(1.195)	5921239	20.0000	27
90 Undecane	57	24.659	24.659	(1.204)	3619767	20.0000	17
91 n-Butylbenzene	91	24.680	24.680	(1.205)	7954471	20.0000	20
92 1,2-Dichlorobenzene	146	24.857	24.857	(1.214)	6360097	20.0000	22
93 Dodecane	57	26.472	26.472	(1.293)	1944411	20.0000	14
94 1,2,4-Trichlorobenzene	180	27.761	27.756	(1.356)	3295083	20.0000	22
95 1,3-Hexachlorobutadiene	225	27.970	27.965	(1.366)	5475616	20.0000	22
96 Naphthalene	128	28.355	28.355	(1.385)	4986028	20.0000	19
97 1,2,3-Trichlorobenzene	180	28.922	28.917	(1.413)	2959410	20.0000	22

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: waj010.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 554065
Lab Sample ID: ic 554065

Date: 19-SEP-2013 15:32
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /var/chem/W.i/Wsvr.p/wajto15.b/waj011.d
 Lab Smp Id: ic 554064
 Inj Date : 19-SEP-2013 16:21
 Operator : pad Inst ID: W.i
 Smp Info : ic 554064
 Misc Info : 200,1, level 7
 Comment :
 Method : /chem/W.i/Wsvr.p/wajto15.b/to15v5.m
 Meth Date : 19-Sep-2013 16:50 chemist Quant Type: ISTD
 Cal Date : 19-SEP-2013 16:21 Cal File: waj011.d
 Als bottle: 8 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allTO15.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	4.404	4.405	(0.342)	1516802	40.0000	31
2 Dichlorodifluoromethane	85	4.495	4.496	(0.349)	7118971	40.0000	34
3 Chlorodifluoromethane	51	4.565	4.560	(0.354)	3364811	40.0000	34
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.854	4.849	(0.377)	7812064	40.0000	34
5 Chloromethane	50	5.046	5.041	(0.392)	1969491	40.0000	34
6 Butane	43	5.314	5.309	(0.412)	3057435	40.0000	32
7 Vinyl chloride	62	5.373	5.368	(0.417)	2527083	40.0000	34
8 1,3-Butadiene	54	5.469	5.464	(0.424)	1713846	40.0000	33
9 Bromomethane	94	6.341	6.336	(0.492)	2681728	40.0000	35
10 Chloroethane	64	6.625	6.619	(0.514)	1482423	40.0000	36
11 2-Methylbutane	43	6.716	6.710	(0.521)	2573787	40.0000	32
12 Vinyl bromide	106	7.106	7.101	(0.551)	3415435	40.0000	38
13 Trichlorofluoromethane	101	7.224	7.219	(0.560)	7865176	40.0000	36
14 Pentane	43	7.390	7.384	(0.573)	3985575	40.0000	33

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
15 Ethanol	45	7.839	7.818	(0.608)	2287441	100.000	80
16 Ethyl ether	59	7.978	7.973	(0.619)	2011856	40.0000	36
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.476	8.470	(0.658)	6261822	40.0000	36
18 Acrolein	56	8.438	8.438	(0.655)	1005215	40.0000	36
19 1,1-Dichloroethene	96	8.545	8.540	(0.663)	3185967	40.0000	38
20 Acetone	43	8.786	8.775	(0.682)	3029946	40.0000	33
21 Carbon disulfide	76	9.032	9.027	(0.701)	8372200	40.0000	36
22 Isopropanol	45	9.069	9.048	(0.704)	2526078	40.0000	34
23 Allyl chloride	41	9.439	9.433	(0.732)	2578807	40.0000	34
24 Acetonitrile	41	9.572	9.567	(0.743)	1507452	40.0000	35
25 Methylene chloride	49	9.765	9.765	(0.758)	2399292	40.0000	33
26 Tert-butyl alcohol	59	9.947	9.926	(0.772)	4504457	40.0000	37
27 Methyl tert-butyl ether	73	10.198	10.188	(0.791)	8387488	40.0000	37
28 1,2-Dichloroethene (trans)	61	10.268	10.257	(0.797)	3783985	40.0000	35
29 Acrylonitrile	53	10.423	10.418	(0.809)	1846202	40.0000	36
30 n-Hexane	57	10.685	10.680	(0.829)	4216986	40.0000	35
31 1,1-Dichloroethane	63	11.236	11.226	(0.872)	4771424	40.0000	35
32 Vinyl acetate	43	11.279	11.268	(0.875)	5381653	40.0000	35
M 33 1,2-Dichloroethene,Total	61				7312373	80.0000	72
34 1,2-Dichloroethene (cis)	96	12.408	12.402	(0.963)	3528388	40.0000	37
35 Ethyl acetate	88	12.450	12.445	(0.966)	318881	40.0000	38
36 Methyl Ethyl Ketone	72	12.429	12.418	(0.964)	1488847	40.0000	31(Q)
* 37 Bromochloromethane	128	12.889	12.884	(1.000)	710562	10.0000	
38 Tetrahydrofuran	42	12.884	12.879	(0.872)	2445084	40.0000	35
39 Chloroform	83	13.001	12.991	(1.009)	6097069	40.0000	36
40 Cyclohexane	84	13.296	13.290	(0.900)	4543743	40.0000	37
41 1,1,1-Trichloroethane	97	13.312	13.307	(0.901)	6616368	40.0000	37
42 Carbon tetrachloride	117	13.563	13.563	(0.918)	7530588	40.0000	40(A)
43 2,2,4-Trimethylpentane	57	13.964	13.959	(0.945)	12179615	40.0000	34
44 Benzene	78	14.023	14.013	(0.949)	9393204	40.0000	36
45 1,2-Dichloroethane	62	14.178	14.173	(0.959)	3468282	40.0000	36
46 n-Heptane	43	14.312	14.307	(0.968)	3864308	40.0000	31
* 47 1,4-Difluorobenzene	114	14.778	14.772	(1.000)	3351473	10.0000	
48 n-Butanol	56	15.056	15.045	(1.019)	1444008	40.0000	41(A)
49 Trichloroethene	95	15.238	15.238	(1.031)	4542848	40.0000	38
50 1,2-Dichloropropane	63	15.767	15.762	(1.067)	3190037	40.0000	36
51 Methyl methacrylate	69	15.853	15.848	(1.073)	3457974	40.0000	39
52 Dibromomethane	174	16.008	16.003	(1.083)	5988749	40.0000	41(A)
53 1,4-Dioxane	88	15.938	15.933	(1.079)	1541751	40.0000	37
54 Bromodichloromethane	83	16.254	16.249	(1.100)	6654978	40.0000	38
55 1,3-Dichloropropene (cis)	75	17.121	17.116	(1.159)	5349348	40.0000	40
56 Methyl isobutyl ketone	43	17.361	17.356	(1.175)	4974412	40.0000	35
57 n-Octane	43	17.693	17.688	(1.197)	4391604	40.0000	28
58 Toluene	92	17.698	17.693	(0.864)	6882136	40.0000	33
59 1,3-Dichloropropene (trans)	75	18.223	18.218	(1.233)	5428460	40.0000	40(A)
60 1,1,2-Trichloroethane	83	18.592	18.587	(0.908)	3548409	40.0000	38
61 Tetrachloroethene	166	18.731	18.726	(0.915)	8690680	40.0000	39

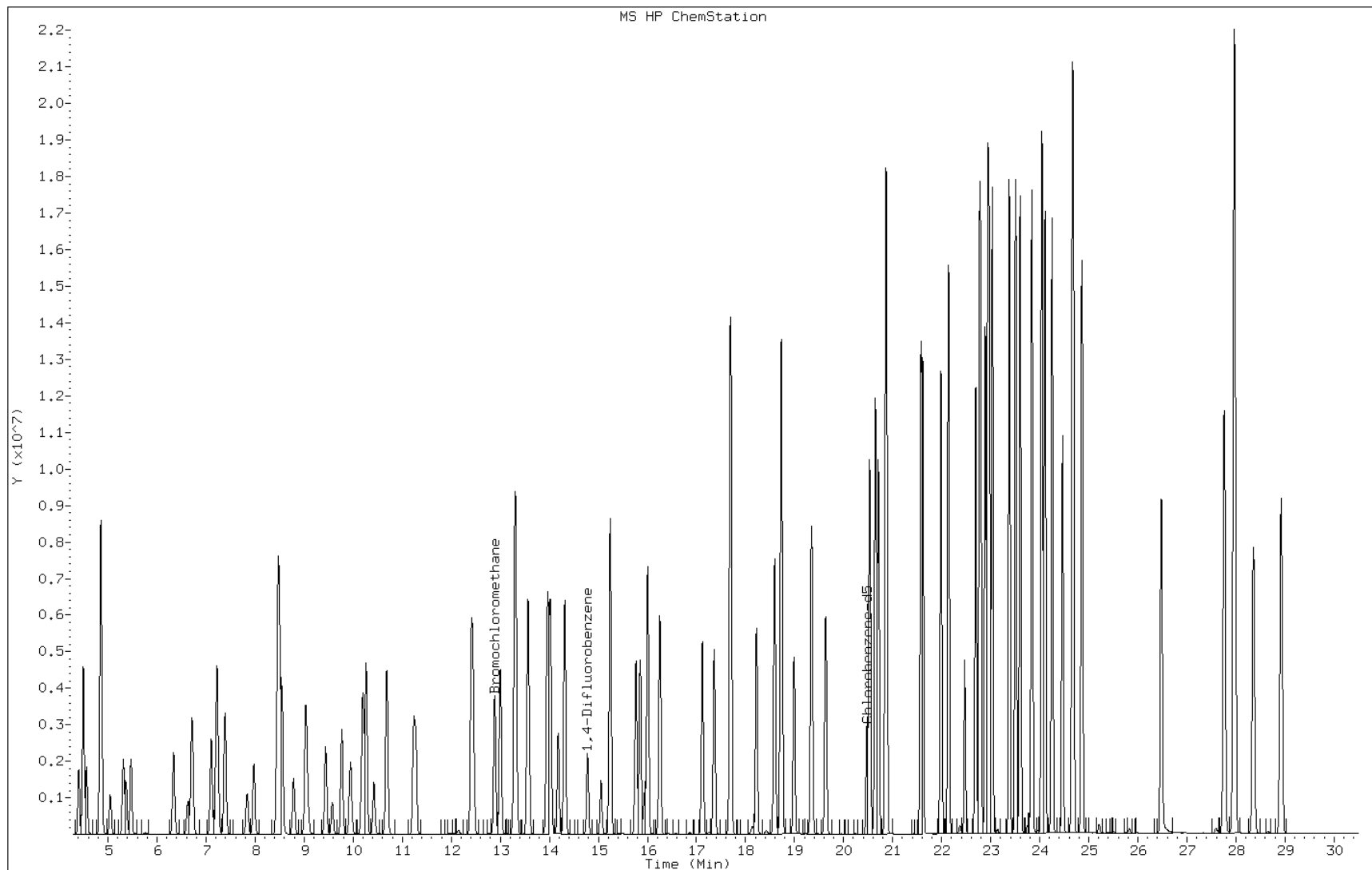
Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62 2-Hexanone	43	18.988	18.983	(0.927)	4620238	40.0000	37
63 Dibromochloromethane	129	19.346	19.341	(0.945)	8516522	40.0000	41(A)
64 1,2-Dibromoethane	107	19.635	19.630	(0.959)	7181001	40.0000	40
* 65 Chlorobenzene-d5	117	20.475	20.470	(1.000)	3104388	10.0000	
66 Chlorobenzene	112	20.534	20.529	(1.003)	10814155	40.0000	36
67 n-Nonane	57	20.710	20.705	(1.011)	5582049	40.0000	33
68 Ethylbenzene	91	20.652	20.646	(1.009)	14553311	40.0000	34
69 Xylene (m,p)	106	20.866	20.860	(1.019)	11692570	80.0000	64
M 70 Xylenes, Total	106				18376072	40.0000	100
71 Xylene (o)	106	21.577	21.572	(1.054)	6683502	40.0000	37
72 Styrene	104	21.614	21.609	(1.056)	10218167	40.0000	38
73 Bromoform	173	21.984	21.984	(1.074)	9555418	40.0000	42(A)
74 Isopropylbenzene	105	22.139	22.139	(1.081)	15931154	40.0000	32
75 1,1,2,2-Tetrachloroethane	83	22.690	22.690	(1.108)	8344976	40.0000	35
76 n-Propylbenzene	91	22.770	22.770	(1.112)	16113679	40.0000	30
77 1,2,3-Trichloropropane	75	22.797	22.792	(1.113)	5808037	40.0000	34
78 n-Decane	57	22.888	22.883	(1.118)	6699807	40.0000	31
79 4-Ethyltoluene	105	22.941	22.936	(1.120)	15300917	40.0000	31
80 2-Chlorotoluene	91	22.973	22.968	(1.122)	13474803	40.0000	34
81 1,3,5-Trimethylbenzene	105	23.032	23.027	(1.125)	14172777	40.0000	33
82 Alpha Methyl Styrene	118	23.380	23.375	(1.142)	9125382	40.0000	43(A)
83 tert-butylbenzene	119	23.508	23.503	(1.148)	14568885	40.0000	33
84 1,2,4-Trimethylbenzene	105	23.599	23.599	(1.153)	14321860	40.0000	34
85 sec-Butylbenzene	105	23.840	23.835	(1.164)	18347992	40.0000	31
86 4-Isopropyltoluene	119	24.043	24.038	(1.174)	16951048	40.0000	32
87 1,3-Dichlorobenzene	146	24.107	24.102	(1.177)	12382179	40.0000	40
88 1,4-Dichlorobenzene	146	24.252	24.247	(1.184)	12229095	40.0000	41(A)
89 Benzyl chloride	91	24.466	24.461	(1.195)	11970214	40.0000	50(A)
90 Undecane	57	24.658	24.659	(1.204)	6307949	40.0000	30
91 n-Butylbenzene	91	24.685	24.680	(1.206)	12826639	40.0000	32
92 1,2-Dichlorobenzene	146	24.862	24.857	(1.214)	12040269	40.0000	41(A)
93 Dodecane	57	26.477	26.472	(1.293)	5873215	40.0000	41(A)
94 1,2,4-Trichlorobenzene	180	27.761	27.756	(1.356)	8748718	40.0000	51(A)
95 1,3-Hexachlorobutadiene	225	27.970	27.965	(1.366)	11042218	40.0000	42(A)
96 Naphthalene	128	28.355	28.355	(1.385)	14419126	40.0000	50(A)
97 1,2,3-Trichlorobenzene	180	28.922	28.917	(1.413)	7601908	40.0000	51(A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.

Data File: waj011.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 554064
Lab Sample ID: ic 554064

Date: 19-SEP-2013 16:21
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Lab Sample ID: ICV 200-61437/14 Calibration Date: 09/19/2013 18:47
 Instrument ID: W.i Calib Start Date: 09/19/2013 10:39
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/19/2013 16:21
 Lab File ID: waj014.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	0.6861	0.6344		9.24	10.0	-7.5	30.0
Dichlorodifluoromethane	Ave	2.909	3.088		10.6	10.0	6.2	30.0
Freon 22	Ave	1.409	1.428		10.1	10.0	1.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.260	3.443		10.6	10.0	5.6	30.0
Chloromethane	Ave	0.8251	0.8332		10.1	10.0	1.0	30.0
n-Butane	Ave	1.338	1.338		10.0	10.0	0.0	30.0
Vinyl chloride	Ave	1.057	1.083		10.2	10.0	2.5	30.0
1,3-Butadiene	Ave	0.7215	0.7617		10.6	10.0	5.6	30.0
Bromomethane	Ave	1.091	1.131		10.4	10.0	3.7	30.0
Chloroethane	Ave	0.5860	0.6135		10.5	10.0	4.7	30.0
Isopentane	Ave	1.125	1.129		10.0	10.0	0.4	30.0
Bromoethene (Vinyl Bromide)	Ave	1.252	1.407		11.2	10.0	12.4	30.0
Trichlorofluoromethane	Ave	3.070	3.304		10.8	10.0	7.6	30.0
n-Pentane	Ave	1.703	1.696		9.96	10.0	-0.4	30.0
Ethanol	Ave	0.4016	0.3291		12.3	15.0	-18.0	30.0
Ethyl ether	Ave	0.7798	0.7963		10.2	10.0	2.1	30.0
Acrolein	Ave	0.3903	0.3661		9.38	10.0	-6.2	30.0
Freon TF	Ave	2.440	2.867		11.7	10.0	17.5	30.0
1,1-Dichloroethene	Ave	1.167	1.426		12.2	10.0	22.2	30.0
Acetone	Ave	1.289	1.560		12.1	10.0	21.0	30.0
Carbon disulfide	Ave	3.290	3.611		11.0	10.0	9.8	30.0
Isopropyl alcohol	Ave	1.048	1.191		11.4	10.0	13.7	30.0
3-Chloropropene	Ave	1.080	1.112		10.3	10.0	3.0	30.0
Acetonitrile	Ave	0.6132	0.6585		10.7	10.0	7.4	30.0
Methylene Chloride	Ave	1.018	1.112		10.9	10.0	9.2	30.0
tert-Butyl alcohol	Ave	1.720	1.897		11.0	10.0	10.3	30.0
Methyl tert-butyl ether	Ave	3.183	3.531		11.1	10.0	10.9	30.0
trans-1,2-Dichloroethene	Ave	1.531	1.619		10.6	10.0	5.8	30.0
Acrylonitrile	Ave	0.7233	0.7721		10.7	10.0	6.8	30.0
n-Hexane	Ave	1.706	1.833		10.7	10.0	7.5	30.0
1,1-Dichloroethane	Ave	1.933	2.046		10.6	10.0	5.8	30.0
Vinyl acetate	Ave	2.181	2.304		10.6	10.0	5.6	30.0
cis-1,2-Dichloroethene	Ave	1.350	1.512		11.2	10.0	12.0	30.0
Methyl Ethyl Ketone	Ave	0.6705	0.6772		10.1	10.0	1.0	30.0
Ethyl acetate	Ave	0.1181	0.1314		11.1	10.0	11.2	30.0
Tetrahydrofuran	Ave	0.2074	0.2221		10.7	10.0	7.1	30.0
Chloroform	Ave	2.376	2.559		10.8	10.0	7.7	30.0
Cyclohexane	Ave	0.3673	0.4110		11.2	10.0	11.9	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5776		10.9	10.0	9.3	30.0
Carbon tetrachloride	Ave	0.5595	0.6296		11.2	10.0	12.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Lab Sample ID: ICV 200-61437/14 Calibration Date: 09/19/2013 18:47
 Instrument ID: W.i Calib Start Date: 09/19/2013 10:39
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/19/2013 16:21
 Lab File ID: waj014.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	1.076	1.179		11.0	10.0	9.6	30.0
Benzene	Ave	0.7868	0.8518		10.8	10.0	8.3	30.0
1,2-Dichloroethane	Ave	0.2867	0.3017		10.5	10.0	5.2	30.0
n-Heptane	Ave	0.3760	0.3731		9.92	10.0	-0.8	30.0
n-Butanol	Ave	0.1049	0.1041		9.91	10.0	-0.8	30.0
Trichloroethene	Ave	0.3596	0.3899		10.8	10.0	8.4	30.0
1,2-Dichloropropane	Ave	0.2620	0.2733		10.4	10.0	4.3	30.0
Methyl methacrylate	Ave	0.2653	0.2870		10.8	10.0	8.2	30.0
1,4-Dioxane	Ave	0.1234	0.1370		11.1	10.0	11.1	30.0
Dibromomethane	Ave	0.4376	0.4958		11.3	10.0	13.3	30.0
Bromodichloromethane	Ave	0.5171	0.5851		11.3	10.0	13.2	30.0
cis-1,3-Dichloropropene	Ave	0.4016	0.4367		10.9	10.0	8.7	30.0
methyl isobutyl ketone	Ave	0.4283	0.4550		10.6	10.0	6.2	30.0
n-Octane	Ave	0.4712	0.4930		10.5	10.0	4.6	30.0
Toluene	Ave	0.6619	0.7182		10.8	10.0	8.5	30.0
trans-1,3-Dichloropropene	Ave	0.4003	0.4359		10.9	10.0	8.9	30.0
1,1,2-Trichloroethane	Ave	0.3028	0.3105		10.3	10.0	2.6	30.0
Tetrachloroethene	Ave	0.7171	0.7915		11.0	10.0	10.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3992	0.4259		10.7	10.0	6.7	30.0
Dibromochloromethane	Ave	0.6614	0.7923		12.0	10.0	19.8	30.0
1,2-Dibromoethane	Ave	0.5805	0.6322		10.9	10.0	8.9	30.0
Chlorobenzene	Ave	0.9628	1.022		10.6	10.0	6.2	30.0
Ethylbenzene	Ave	1.384	1.516		11.0	10.0	9.5	30.0
n-Nonane	Ave	0.5504	0.6009		10.9	10.0	9.2	30.0
m,p-Xylene	Ave	0.5858	0.6529		22.3	20.0	11.5	30.0
Xylene, o-	Ave	0.5891	0.6454		11.0	10.0	9.6	30.0
Styrene	Ave	0.8639	0.9858		11.4	10.0	14.1	30.0
Bromoform	Ave	0.7308	0.9100		12.4	10.0	24.5	30.0
Cumene	Ave	1.607	1.835		11.4	10.0	14.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7587	0.7972		10.5	10.0	5.1	30.0
n-Propylbenzene	Ave	1.744	2.023		11.6	10.0	16.0	30.0
1,2,3-Trichloropropane	Ave	0.5560	0.6078		10.9	10.0	9.3	30.0
n-Decane	Ave	0.6876	0.7619		11.1	10.0	10.8	30.0
4-Ethyltoluene	Ave	1.580	1.883		11.9	10.0	19.2	30.0
2-Chlorotoluene	Ave	1.290	1.484		11.5	10.0	15.1	30.0
1,3,5-Trimethylbenzene	Ave	1.371	1.542		11.2	10.0	12.5	30.0
Alpha Methyl Styrene	Ave	0.6860	0.7894		11.5	10.0	15.1	30.0
tert-Butylbenzene	Ave	1.412	1.616		11.4	10.0	14.5	30.0
1,2,4-Trimethylbenzene	Ave	1.344	1.503		11.2	10.0	11.8	30.0
sec-Butylbenzene	Ave	1.932	2.235		11.6	10.0	15.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Lab Sample ID: ICV 200-61437/14 Calibration Date: 09/19/2013 18:47
 Instrument ID: W.i Calib Start Date: 09/19/2013 10:39
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/19/2013 16:21
 Lab File ID: waj014.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	1.692	2.001		11.8	10.0	18.2	30.0
1,3-Dichlorobenzene	Ave	1.000	1.139		11.4	10.0	13.9	30.0
1,4-Dichlorobenzene	Ave	0.9526	1.098		11.5	10.0	15.3	30.0
Benzyl chloride	Ave	0.7782	0.9419		12.1	10.0	21.0	30.0
n-Undecane	Ave	0.6757	0.8062		11.9	10.0	19.3	30.0
n-Butylbenzene	Ave	1.273	1.527		12.0	10.0	19.9	30.0
1,2-Dichlorobenzene	Ave	0.9563	1.047		10.9	10.0	9.4	30.0
n-Dodecane	Ave	0.4637	0.5888		12.7	10.0	27.0	30.0
1,2,4-Trichlorobenzene	Ave	0.5483	0.6157		11.2	10.0	12.3	30.0
Hexachlorobutadiene	Ave	0.8540	0.9699		11.4	10.0	13.6	30.0
Naphthalene	Ave	0.9235	1.147		12.4	10.0	24.2	30.0
1,2,3-Trichlorobenzene	Ave	0.4798	0.6117		12.7	10.0	27.5	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/W.i/Wsvr.p/wajto15.b/waj014.d
 Lab Smp Id: icv 552802
 Inj Date : 19-SEP-2013 18:47
 Operator : pad
 Smp Info : icv 552802
 Misc Info : 200,1, icv
 Comment :
 Method : /chem/W.i/Wsvr.p/wajto15.b/to15v5.m
 Meth Date : 19-Sep-2013 16:50 chemist
 Cal Date : 19-SEP-2013 16:21
 Als bottle: 8
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: chemsvr6

Inst ID: W.i
 Quant Type: ISTD
 Cal File: waj011.d
 QC Sample: LCS
 Compound Sublist: allTO15.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
1 Propene	41		4.415	4.405	(0.342)	431566	9.24459	9.2	
2 Dichlorodifluoromethane	85		4.506	4.496	(0.349)	2101088	10.6161	11	
3 Chlorodifluoromethane	51		4.570	4.560	(0.354)	971210	10.1305	10	
4 1,2-Dichloro-1,1,2,2-tetraflu	85		4.859	4.849	(0.377)	2342295	10.5589	11	
5 Chloromethane	50		5.057	5.041	(0.392)	566875	10.0968	10	
6 Butane	43		5.319	5.309	(0.413)	910601	10.0034	10	
7 Vinyl chloride	62		5.378	5.368	(0.417)	737095	10.2435	10	
8 1,3-Butadiene	54		5.475	5.464	(0.425)	518213	10.5548	11	
9 Bromomethane	94		6.347	6.336	(0.492)	769764	10.3650	10	
10 Chloroethane	64		6.630	6.619	(0.514)	417392	10.4668	10	
11 2-Methylbutane	43		6.721	6.710	(0.521)	768149	10.0356	10	
12 Vinyl bromide	106		7.112	7.101	(0.552)	957097	11.2387	11	
13 Trichlorofluoromethane	101		7.229	7.219	(0.561)	2247850	10.7594	11	
14 Pentane	43		7.390	7.384	(0.573)	1153540	9.95635	10	

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.839	7.818	(0.608)	336032	12.2963	12
16 Ethyl ether	59	7.984	7.973	(0.619)	541737	10.2097	10
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.481	8.470	(0.658)	1950661	11.7490	12
18 Acrolein	56	8.444	8.438	(0.655)	249046	9.37663	9.4
19 1,1-Dichloroethene	96	8.551	8.540	(0.663)	970197	12.2158	12
20 Acetone	43	8.791	8.775	(0.682)	1061539	12.0993	12
21 Carbon disulfide	76	9.037	9.027	(0.701)	2456814	10.9748	11
22 Isopropanol	45	9.070	9.048	(0.703)	810575	11.3632	11
23 Allyl chloride	41	9.444	9.433	(0.732)	756807	10.2999	10
24 Acetonitrile	41	9.578	9.567	(0.743)	447959	10.7353	11
25 Methylene chloride	49	9.770	9.765	(0.758)	756229	10.9157	11
26 Tert-butyl alcohol	59	9.942	9.926	(0.771)	1290709	11.0259	11
27 Methyl tert-butyl ether	73	10.198	10.188	(0.791)	2402388	11.0904	11
28 1,2-Dichloroethene (trans)	61	10.268	10.257	(0.796)	1101479	10.5736	11
29 Acrylonitrile	53	10.423	10.418	(0.808)	525301	10.6730	11
30 n-Hexane	57	10.685	10.680	(0.829)	1247140	10.7463	11
31 1,1-Dichloroethane	63	11.236	11.226	(0.871)	1392022	10.5815	11
32 Vinyl acetate	43	11.279	11.268	(0.875)	1567178	10.5621	11
M 33 1,2-Dichloroethene,Total	61				2129881	21.7723	22
34 1,2-Dichloroethene (cis)	96	12.408	12.402	(0.962)	1028402	11.1987	11
35 Ethyl acetate	88	12.451	12.445	(0.966)	89363	11.1193	11
36 Methyl Ethyl Ketone	72	12.429	12.418	(0.964)	460680	10.0972	10(Q)
* 37 Bromochloromethane	128	12.895	12.884	(1.000)	680458	10.0000	
38 Tetrahydrofuran	42	12.884	12.879	(0.872)	729330	10.7072	11
39 Chloroform	83	12.996	12.991	(1.008)	1741109	10.7675	11
40 Cyclohexane	84	13.301	13.290	(0.900)	1349563	11.1856	11
41 1,1,1-Trichloroethane	97	13.312	13.307	(0.901)	1896688	10.9296	11
42 Carbon tetrachloride	117	13.563	13.563	(0.918)	2067371	11.2493	11
43 2,2,4-Trimethylpentane	57	13.965	13.959	(0.945)	3870833	10.9563	11
44 Benzene	78	14.018	14.013	(0.949)	2797090	10.8231	11
45 1,2-Dichloroethane	62	14.179	14.173	(0.959)	990860	10.5219	11
46 n-Heptane	43	14.312	14.307	(0.968)	1225173	9.91937	9.9
* 47 1,4-Difluorobenzene	114	14.778	14.772	(1.000)	3284503	10.0000	
48 n-Butanol	56	15.056	15.045	(1.019)	341722	9.91479	9.9
49 Trichloroethene	95	15.243	15.238	(1.031)	1280489	10.8407	11
50 1,2-Dichloropropane	63	15.762	15.762	(1.067)	897503	10.4293	10
51 Methyl methacrylate	69	15.853	15.848	(1.073)	942486	10.8144	11
52 Dibromomethane	174	16.003	16.003	(1.083)	1628172	11.3285	11
53 1,4-Dioxane	88	15.939	15.933	(1.079)	449935	11.1042	11
54 Bromodichloromethane	83	16.249	16.249	(1.100)	1921436	11.3131	11
55 1,3-Dichloropropene (cis)	75	17.121	17.116	(1.159)	1434056	10.8721	11
56 Methyl isobutyl ketone	43	17.356	17.356	(1.174)	1493989	10.6208	11
57 n-Octane	43	17.693	17.688	(1.197)	1619032	10.4616	10
58 Toluene	92	17.693	17.693	(0.864)	2195751	10.8489	11
59 1,3-Dichloropropene (trans)	75	18.223	18.218	(1.233)	1431293	10.8848	11
60 1,1,2-Trichloroethane	83	18.592	18.587	(0.908)	949306	10.2533	10
61 Tetrachloroethene	166	18.726	18.726	(0.915)	2419952	11.0352	11

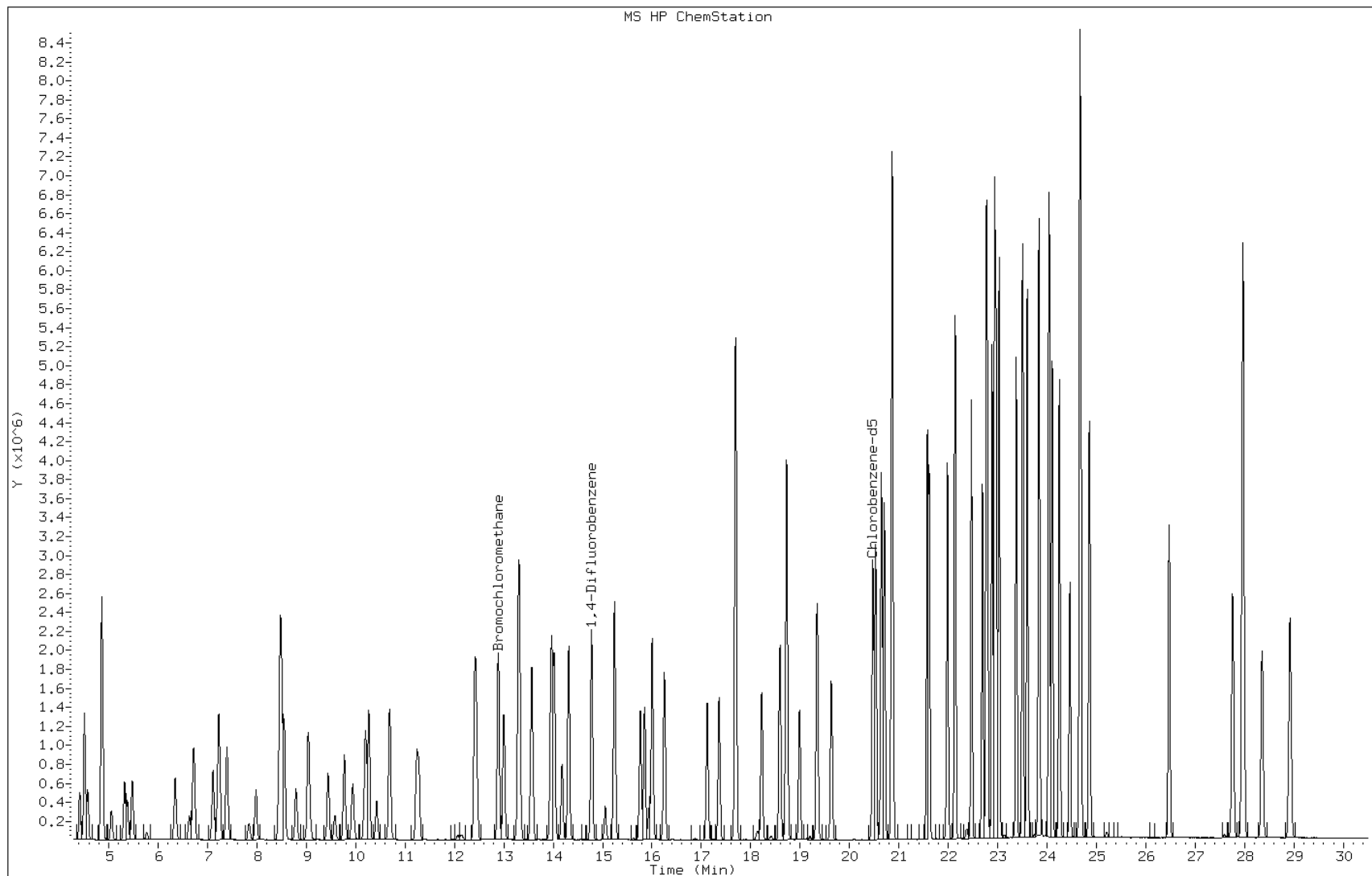
Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	====		==	=====	=====	=====	=====	=====
62 2-Hexanone	43		18.988	18.983	(0.927)	1302177	10.6668	11
63 Dibromochloromethane	129		19.346	19.341	(0.945)	2422467	11.9769	12
64 1,2-Dibromoethane	107		19.630	19.630	(0.959)	1932836	10.8893	11
* 65 Chlorobenzene-d5	117		20.475	20.470	(1.000)	3057932	10.0000	
66 Chlorobenzene	112		20.529	20.529	(1.003)	3125225	10.6150	11
67 n-Nonane	57		20.705	20.705	(1.011)	1837104	10.9146	11
68 Ethylbenzene	91		20.646	20.646	(1.008)	4634443	10.9511	11
69 Xylene (m,p)	106		20.866	20.860	(1.019)	3992311	22.2867	22
M 70 Xylenes, Total	106					5965621	33.2401	33
71 Xylene (o)	106		21.572	21.572	(1.054)	1973309	10.9534	11
72 Styrene	104		21.615	21.609	(1.056)	3013769	11.4084	11
73 Bromoform	173		21.984	21.984	(1.074)	2782016	12.4488	12
74 Isopropylbenzene	105		22.139	22.139	(1.081)	5610159	11.4180	11
75 1,1,2,2-Tetrachloroethane	83		22.690	22.690	(1.108)	2437322	10.5060	11
76 n-Propylbenzene	91		22.770	22.770	(1.112)	6185533	11.6015	12
77 1,2,3-Trichloropropane	75		22.792	22.792	(1.113)	1858347	10.9302	11
78 n-Decane	57		22.883	22.883	(1.118)	2329251	11.0776	11
79 4-Ethyltoluene	105		22.936	22.936	(1.120)	5756396	11.9139	12
80 2-Chlorotoluene	91		22.968	22.968	(1.122)	4536813	11.5037	12
81 1,3,5-Trimethylbenzene	105		23.027	23.027	(1.125)	4714304	11.2474	11
82 Alpha Methyl Styrene	118		23.375	23.375	(1.142)	2413392	11.5055	12
83 tert-butylbenzene	119		23.508	23.503	(1.148)	4940883	11.4429	11
84 1,2,4-Trimethylbenzene	105		23.599	23.599	(1.153)	4594556	11.1801	11
85 sec-Butylbenzene	105		23.835	23.835	(1.164)	6833450	11.5665	12
86 4-Isopropyltoluene	119		24.043	24.038	(1.174)	6117441	11.8206	12
87 1,3-Dichlorobenzene	146		24.102	24.102	(1.177)	3481921	11.3829	11
88 1,4-Dichlorobenzene	146		24.252	24.247	(1.184)	3356755	11.5228	12
89 Benzyl chloride	91		24.461	24.461	(1.195)	2879564	12.1005	12
90 Undecane	57		24.659	24.659	(1.204)	2464814	11.9294	12
91 n-Butylbenzene	91		24.680	24.680	(1.205)	4669463	11.9910	12
92 1,2-Dichlorobenzene	146		24.857	24.857	(1.214)	3199715	10.9423	11
93 Dodecane	57		26.472	26.472	(1.293)	1800050	12.6947	13
94 1,2,4-Trichlorobenzene	180		27.761	27.756	(1.356)	1882364	11.2259	11
95 1,3-Hexachlorobutadiene	225		27.965	27.965	(1.366)	2965246	11.3553	11
96 Naphthalene	128		28.355	28.355	(1.385)	3505490	12.4136	12
97 1,2,3-Trichlorobenzene	180		28.917	28.917	(1.412)	1870131	12.7455	13

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: waj014.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icv 552802
Lab Sample ID: icv 552802

Date: 19-SEP-2013 18:47
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-63024/2 Calibration Date: 10/18/2013 13:22
 Instrument ID: W.i Calib Start Date: 09/19/2013 10:39
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/19/2013 16:21
 Lab File ID: wajt002.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	0.6861	0.6909		10.1	10.0	0.7	30.0
Dichlorodifluoromethane	Ave	2.909	3.143		10.8	10.0	8.1	30.0
Freon 22	Ave	1.409	1.518		10.8	10.0	7.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.260	3.504		10.7	10.0	7.5	30.0
Chloromethane	Ave	0.8251	0.8636		10.5	10.0	4.7	30.0
n-Butane	Ave	1.338	1.391		10.4	10.0	3.9	30.0
Vinyl chloride	Ave	1.057	1.085		10.3	10.0	2.6	30.0
1,3-Butadiene	Ave	0.7215	0.7315		10.1	10.0	1.4	30.0
Bromomethane	Ave	1.091	0.9787		8.97	10.0	-10.3	30.0
Chloroethane	Ave	0.5860	0.6140		10.5	10.0	4.8	30.0
Isopentane	Ave	1.125	1.151		10.2	10.0	2.4	30.0
Bromoethene (Vinyl Bromide)	Ave	1.252	1.357		10.8	10.0	8.5	30.0
Trichlorofluoromethane	Ave	3.070	3.247		10.6	10.0	5.8	30.0
n-Pentane	Ave	1.703	1.785		10.5	10.0	4.8	30.0
Ethanol	Ave	0.4016	0.3966		14.8	15.0	-1.2	30.0
Ethyl ether	Ave	0.7798	0.8310		10.7	10.0	6.6	30.0
Acrolein	Ave	0.3903	0.3938		10.1	10.0	0.9	30.0
Freon TF	Ave	2.440	2.597		10.6	10.0	6.5	30.0
1,1-Dichloroethene	Ave	1.167	1.268		10.9	10.0	8.6	30.0
Acetone	Ave	1.289	1.503		11.7	10.0	16.5	30.0
Carbon disulfide	Ave	3.290	3.539		10.8	10.0	7.6	30.0
Isopropyl alcohol	Ave	1.048	1.120		10.7	10.0	6.8	30.0
3-Chloropropene	Ave	1.080	1.070		9.91	10.0	-0.9	30.0
Acetonitrile	Ave	0.6132	0.6757		11.0	10.0	10.2	30.0
Methylene Chloride	Ave	1.018	1.041		10.2	10.0	2.2	30.0
tert-Butyl alcohol	Ave	1.720	1.883		10.9	10.0	9.5	30.0
Methyl tert-butyl ether	Ave	3.183	3.420		10.7	10.0	7.4	30.0
trans-1,2-Dichloroethene	Ave	1.531	1.604		10.5	10.0	4.8	30.0
Acrylonitrile	Ave	0.7233	0.7576		10.5	10.0	4.7	30.0
n-Hexane	Ave	1.706	1.801		10.6	10.0	5.6	30.0
1,1-Dichloroethane	Ave	1.933	2.020		10.4	10.0	4.5	30.0
Vinyl acetate	Ave	2.181	2.285		10.5	10.0	4.8	30.0
cis-1,2-Dichloroethene	Ave	1.350	1.433		10.6	10.0	6.2	30.0
Methyl Ethyl Ketone	Ave	0.6705	0.6443		9.61	10.0	-3.9	30.0
Ethyl acetate	Ave	0.1181	0.1273		10.8	10.0	7.8	30.0
Tetrahydrofuran	Ave	0.2074	0.2180		10.5	10.0	5.1	30.0
Chloroform	Ave	2.376	2.515		10.6	10.0	5.8	30.0
Cyclohexane	Ave	0.3673	0.4007		10.9	10.0	9.1	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5685		10.8	10.0	7.6	30.0
Carbon tetrachloride	Ave	0.5595	0.6355		11.4	10.0	13.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-63024/2 Calibration Date: 10/18/2013 13:22
 Instrument ID: W.i Calib Start Date: 09/19/2013 10:39
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/19/2013 16:21
 Lab File ID: wajt002.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	1.076	1.167		10.8	10.0	8.5	30.0
Benzene	Ave	0.7868	0.8424		10.7	10.0	7.1	30.0
1,2-Dichloroethane	Ave	0.2867	0.2994		10.4	10.0	4.4	30.0
n-Heptane	Ave	0.3760	0.3728		9.91	10.0	-0.9	30.0
n-Butanol	Ave	0.1049	0.1023		9.74	10.0	-2.5	30.0
Trichloroethene	Ave	0.3596	0.3882		10.8	10.0	7.9	30.0
1,2-Dichloropropane	Ave	0.2620	0.2813		10.7	10.0	7.3	30.0
Methyl methacrylate	Ave	0.2653	0.2824		10.6	10.0	6.4	30.0
1,4-Dioxane	Ave	0.1234	0.1326		10.7	10.0	7.5	30.0
Dibromomethane	Ave	0.4376	0.4881		11.2	10.0	11.5	30.0
Bromodichloromethane	Ave	0.5171	0.5718		11.1	10.0	10.6	30.0
cis-1,3-Dichloropropene	Ave	0.4016	0.4476		11.1	10.0	11.5	30.0
methyl isobutyl ketone	Ave	0.4283	0.4491		10.5	10.0	4.9	30.0
n-Octane	Ave	0.4712	0.4971		10.5	10.0	5.5	30.0
Toluene	Ave	0.6619	0.7331		11.1	10.0	10.8	30.0
trans-1,3-Dichloropropene	Ave	0.4003	0.4573		11.4	10.0	14.2	30.0
1,1,2-Trichloroethane	Ave	0.3028	0.3283		10.8	10.0	8.4	30.0
Tetrachloroethene	Ave	0.7171	0.8089		11.3	10.0	12.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3992	0.4243		10.6	10.0	6.3	30.0
Dibromochloromethane	Ave	0.6614	0.7721		11.7	10.0	16.7	30.0
1,2-Dibromoethane	Ave	0.5805	0.6477		11.2	10.0	11.6	30.0
Chlorobenzene	Ave	0.9628	1.047		10.9	10.0	8.7	30.0
Ethylbenzene	Ave	1.384	1.523		11.0	10.0	10.0	30.0
n-Nonane	Ave	0.5504	0.6073		11.0	10.0	10.3	30.0
m,p-Xylene	Ave	0.5858	0.6649		22.7	20.0	13.5	30.0
Xylene, o-	Ave	0.5891	0.6548		11.1	10.0	11.1	30.0
Styrene	Ave	0.8639	0.9793		11.3	10.0	13.4	30.0
Bromoform	Ave	0.7308	0.9053		12.4	10.0	23.9	30.0
Cumene	Ave	1.607	1.834		11.4	10.0	14.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7587	0.8456		11.1	10.0	11.5	30.0
n-Propylbenzene	Ave	1.744	2.055		11.8	10.0	17.8	30.0
1,2,3-Trichloropropane	Ave	0.5560	0.6178		11.1	10.0	11.1	30.0
n-Decane	Ave	0.6876	0.7753		11.3	10.0	12.7	30.0
4-Ethyltoluene	Ave	1.580	1.876		11.9	10.0	18.8	30.0
2-Chlorotoluene	Ave	1.290	1.469		11.4	10.0	13.9	30.0
1,3,5-Trimethylbenzene	Ave	1.371	1.573		11.5	10.0	14.8	30.0
Alpha Methyl Styrene	Ave	0.6860	0.7729		11.3	10.0	12.7	30.0
tert-Butylbenzene	Ave	1.412	1.604		11.4	10.0	13.6	30.0
1,2,4-Trimethylbenzene	Ave	1.344	1.554		11.6	10.0	15.6	30.0
sec-Butylbenzene	Ave	1.932	2.249		11.6	10.0	16.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-63024/2 Calibration Date: 10/18/2013 13:22
 Instrument ID: W.i Calib Start Date: 09/19/2013 10:39
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/19/2013 16:21
 Lab File ID: wajt002.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	1.692	1.991		11.8	10.0	17.7	30.0
1,3-Dichlorobenzene	Ave	1.000	1.202		12.0	10.0	20.2	30.0
1,4-Dichlorobenzene	Ave	0.9526	1.162		12.2	10.0	21.9	30.0
Benzyl chloride	Ave	0.7782	0.9239		11.9	10.0	18.7	30.0
n-Undecane	Ave	0.6757	0.8048		11.9	10.0	19.1	30.0
n-Butylbenzene	Ave	1.273	1.523		12.0	10.0	19.6	30.0
1,2-Dichlorobenzene	Ave	0.9563	1.126		11.8	10.0	17.7	30.0
n-Dodecane	Ave	0.4637	0.6253		13.5	10.0	34.8*	30.0
1,2,4-Trichlorobenzene	Ave	0.5483	0.6265		11.4	10.0	14.3	30.0
Hexachlorobutadiene	Ave	0.8540	1.009		11.8	10.0	18.2	30.0
Naphthalene	Ave	0.9235	1.117		12.1	10.0	20.9	30.0
1,2,3-Trichlorobenzene	Ave	0.4798	0.5963		12.4	10.0	24.3	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/W.i/Wsvr.p/wajtto15.b/wajt002.d
 Lab Smp Id: ccvis 562148
 Inj Date : 18-OCT-2013 13:22
 Operator : wrd
 Smp Info : ccvis 562148
 Misc Info : 200,1, ccvis
 Comment :
 Method : /chem/W.i/Wsvr.p/wajtto15.b/to15v5.m
 Meth Date : 21-Oct-2013 10:46 wrd
 Cal Date : 19-SEP-2013 11:27
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: chemsvr6

Inst ID: W.i

Quant Type: ISTD

Cal File: waj005.d

Continuing Calibration Sample

Compound Sublist: allTO15.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable

Local Compound Variable

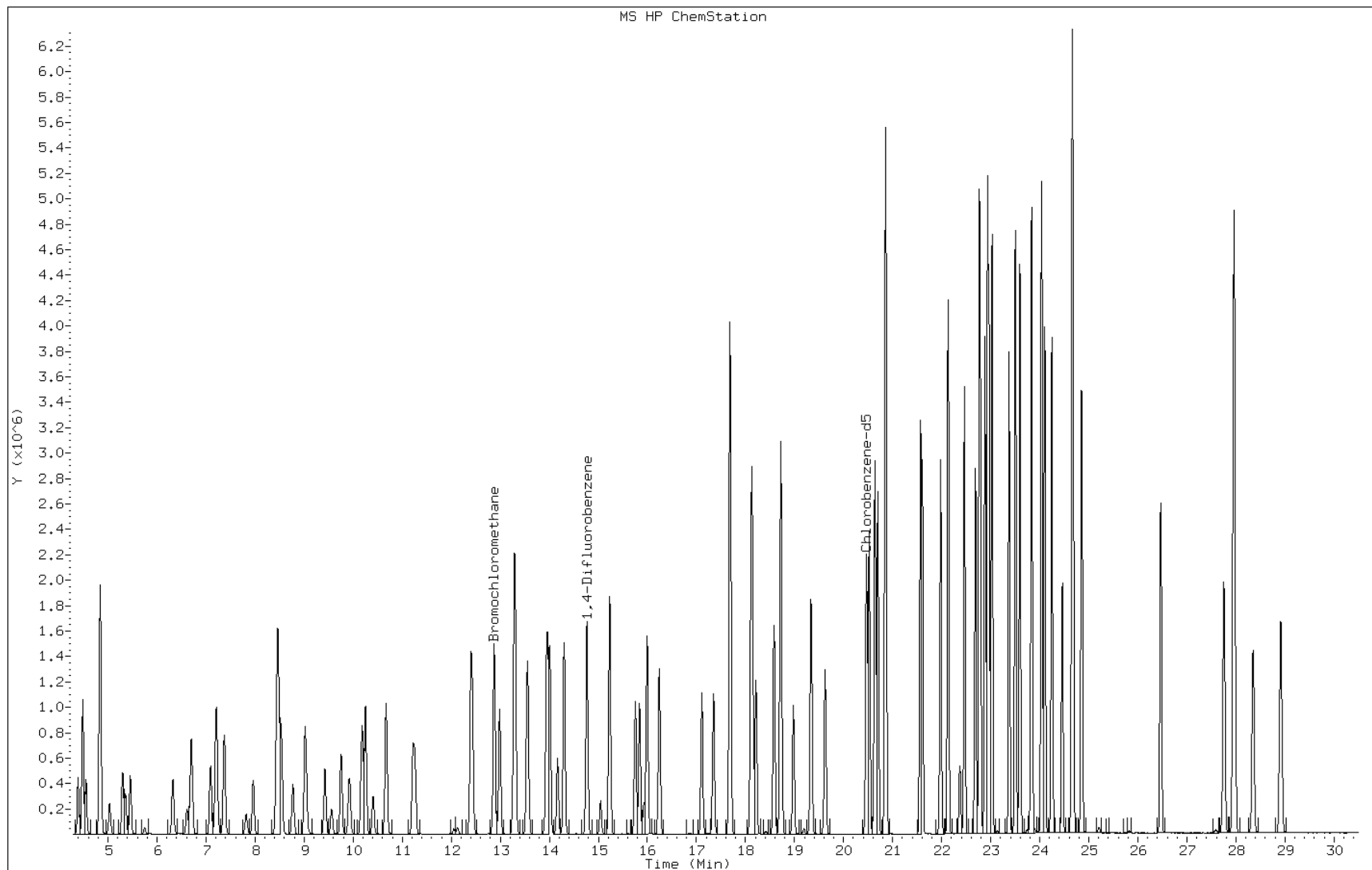
Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41		4.388	4.405	(0.341)	355311	10.0000	10
2 Dichlorodifluoromethane	85		4.485	4.496	(0.348)	1616193	10.0000	11
3 Chlorodifluoromethane	51		4.549	4.560	(0.353)	780730	10.0000	11
4 1,2-Dichloro-1,1,2,2-tetraflu	85		4.838	4.849	(0.376)	1801816	10.0000	11
5 Chloromethane	50		5.036	5.041	(0.391)	444126	10.0000	10
6 Butane	43		5.298	5.309	(0.411)	715090	10.0000	10
7 Vinyl chloride	62		5.357	5.368	(0.416)	558136	10.0000	10
8 1,3-Butadiene	54		5.453	5.464	(0.423)	376188	10.0000	10
9 Bromomethane	94		6.325	6.336	(0.491)	503284	10.0000	9.0
10 Chloroethane	64		6.609	6.619	(0.513)	315751	10.0000	10
11 2-Methylbutane	43		6.694	6.710	(0.520)	592064	10.0000	10
12 Vinyl bromide	106		7.090	7.101	(0.551)	698006	10.0000	11
13 Trichlorofluoromethane	101		7.208	7.219	(0.560)	1669836	10.0000	11
14 Pentane	43		7.374	7.384	(0.573)	917892	10.0000	10

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
15 Ethanol	45	7.818	7.818	(0.607)	306095	15.0000	15
16 Ethyl ether	59	7.962	7.973	(0.618)	427364	10.0000	11
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.460	8.470	(0.657)	1335749	10.0000	11
18 Acrolein	56	8.427	8.438	(0.654)	202494	10.0000	10
19 1,1-Dichloroethene	96	8.534	8.540	(0.663)	652065	10.0000	11
20 Acetone	43	8.770	8.775	(0.681)	772724	10.0000	12
21 Carbon disulfide	76	9.016	9.027	(0.700)	1819917	10.0000	11
22 Isopropanol	45	9.048	9.048	(0.703)	575953	10.0000	11
23 Allyl chloride	41	9.423	9.433	(0.732)	550506	10.0000	9.9
24 Acetonitrile	41	9.556	9.567	(0.742)	347469	10.0000	11
25 Methylene chloride	49	9.754	9.765	(0.757)	535202	10.0000	10
26 Tert-butyl alcohol	59	9.920	9.926	(0.770)	968452	10.0000	11
27 Methyl tert-butyl ether	73	10.182	10.188	(0.791)	1758984	10.0000	11
28 1,2-Dichloroethene (trans)	61	10.252	10.257	(0.796)	824926	10.0000	10
29 Acrylonitrile	53	10.407	10.418	(0.808)	389607	10.0000	10
30 n-Hexane	57	10.674	10.680	(0.829)	926199	10.0000	11
31 1,1-Dichloroethane	63	11.220	11.226	(0.871)	1038816	10.0000	10
32 Vinyl acetate	43	11.263	11.268	(0.875)	1175119	10.0000	10
M 33 1,2-Dichloroethene,Total	61				1561631	20.0000	21
34 1,2-Dichloroethene (cis)	96	12.397	12.402	(0.963)	736705	10.0000	11
35 Ethyl acetate	88	12.434	12.445	(0.966)	65459	10.0000	11
36 Methyl Ethyl Ketone	72	12.413	12.418	(0.964)	331321	10.0000	9.6
* 37 Bromochloromethane	128	12.878	12.884	(1.000)	514354	10.0000	
38 Tetrahydrofuran	42	12.868	12.879	(0.871)	537108	10.0000	11
39 Chloroform	83	12.985	12.991	(1.008)	1293393	10.0000	11
40 Cyclohexane	84	13.285	13.290	(0.900)	987029	10.0000	11
41 1,1,1-Trichloroethane	97	13.301	13.307	(0.901)	1400430	10.0000	11
42 Carbon tetrachloride	117	13.552	13.563	(0.918)	1565462	10.0000	11
43 2,2,4-Trimethylpentane	57	13.954	13.959	(0.945)	2875178	10.0000	11
44 Benzene	78	14.007	14.013	(0.949)	2074954	10.0000	11
45 1,2-Dichloroethane	62	14.168	14.173	(0.959)	737609	10.0000	10
46 n-Heptane	43	14.301	14.307	(0.968)	918280	10.0000	9.9
* 47 1,4-Difluorobenzene	114	14.767	14.772	(1.000)	2463772	10.0000	
48 n-Butanol	56	15.045	15.045	(1.019)	251918	10.0000	9.7
49 Trichloroethene	95	15.232	15.238	(1.032)	956285	10.0000	11
50 1,2-Dichloropropane	63	15.757	15.762	(1.067)	692837	10.0000	11
51 Methyl methacrylate	69	15.842	15.848	(1.073)	695726	10.0000	11
52 Dibromomethane	174	15.997	16.003	(1.083)	1202328	10.0000	11
53 1,4-Dioxane	88	15.928	15.933	(1.079)	326543	10.0000	11
54 Bromodichloromethane	83	16.243	16.249	(1.100)	1408566	10.0000	11
55 1,3-Dichloropropene (cis)	75	17.110	17.116	(1.159)	1102533	10.0000	11
56 Methyl isobutyl ketone	43	17.345	17.356	(1.175)	1106235	10.0000	10
57 n-Octane	43	17.682	17.688	(1.197)	1224551	10.0000	11
58 Toluene	92	17.688	17.693	(0.864)	1679511	10.0000	11
59 1,3-Dichloropropene (trans)	75	18.212	18.218	(1.233)	1126523	10.0000	11
60 1,1,2-Trichloroethane	83	18.581	18.587	(0.908)	752082	10.0000	11
61 Tetrachloroethene	166	18.720	18.726	(0.915)	1853098	10.0000	11

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	18.977	18.983	(0.927)	972094	10.0000	11
63 Dibromochloromethane	129	19.336	19.341	(0.945)	1768759	10.0000	12
64 1,2-Dibromoethane	107	19.624	19.630	(0.959)	1483808	10.0000	11
* 65 Chlorobenzene-d5	117	20.470	20.470	(1.000)	2291298	10.0000	
66 Chlorobenzene	112	20.523	20.529	(1.003)	2397815	10.0000	11
67 n-Nonane	57	20.700	20.705	(1.011)	1391126	10.0000	11
68 Ethylbenzene	91	20.641	20.646	(1.008)	3488300	10.0000	11
69 Xylene (m,p)	106	20.860	20.860	(1.019)	3046494	20.0000	23
M 70 Xylenes, Total	106				4546464	10.0000	34
71 Xylene (o)	106	21.566	21.572	(1.054)	1499970	10.0000	11
72 Styrene	104	21.604	21.609	(1.055)	2243455	10.0000	11
73 Bromoform	173	21.978	21.984	(1.074)	2074003	10.0000	12
74 Isopropylbenzene	105	22.133	22.139	(1.081)	4200639	10.0000	11
75 1,1,2,2-Tetrachloroethane	83	22.684	22.690	(1.108)	1937111	10.0000	11
76 n-Propylbenzene	91	22.765	22.770	(1.112)	4706853	10.0000	12
77 1,2,3-Trichloropropane	75	22.791	22.792	(1.113)	1415175	10.0000	11
78 n-Decane	57	22.882	22.883	(1.118)	1776030	10.0000	11
79 4-Ethyltoluene	105	22.936	22.936	(1.120)	4298412	10.0000	12
80 2-Chlorotoluene	91	22.963	22.968	(1.122)	3365141	10.0000	11
81 1,3,5-Trimethylbenzene	105	23.027	23.027	(1.125)	3603463	10.0000	11
82 Alpha Methyl Styrene	118	23.375	23.375	(1.142)	1770624	10.0000	11
83 tert-butylbenzene	119	23.503	23.503	(1.148)	3673784	10.0000	11
84 1,2,4-Trimethylbenzene	105	23.594	23.599	(1.153)	3559189	10.0000	12
85 sec-Butylbenzene	105	23.835	23.835	(1.164)	5151063	10.0000	12
86 4-Isopropyltoluene	119	24.038	24.038	(1.174)	4561638	10.0000	12
87 1,3-Dichlorobenzene	146	24.102	24.102	(1.177)	2753489	10.0000	12
88 1,4-Dichlorobenzene	146	24.247	24.247	(1.185)	2660919	10.0000	12
89 Benzyl chloride	91	24.461	24.461	(1.195)	2116517	10.0000	12
90 Undecane	57	24.658	24.659	(1.205)	1843706	10.0000	12
91 n-Butylbenzene	91	24.675	24.680	(1.205)	3489980	10.0000	12
92 1,2-Dichlorobenzene	146	24.856	24.857	(1.214)	2578522	10.0000	12
93 Dodecane	57	26.467	26.472	(1.293)	1432443	10.0000	13
94 1,2,4-Trichlorobenzene	180	27.756	27.756	(1.356)	1435196	10.0000	11
95 1,3-Hexachlorobutadiene	225	27.965	27.965	(1.366)	2312403	10.0000	12
96 Naphthalene	128	28.350	28.355	(1.385)	2557928	10.0000	12
97 1,2,3-Trichlorobenzene	180	28.911	28.917	(1.412)	1365941	10.0000	12

Data File: wajt002.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ccvis 562148
Lab Sample ID: ccvis 562148

Date: 18-OCT-2013 13:22
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

Data file : /chem/W.i/Wsvr.p/wajto15.b/waj001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 19-SEP-2013 08:14
Operator : pad Inst ID: W.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/W.i/Wsvr.p/wajto15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

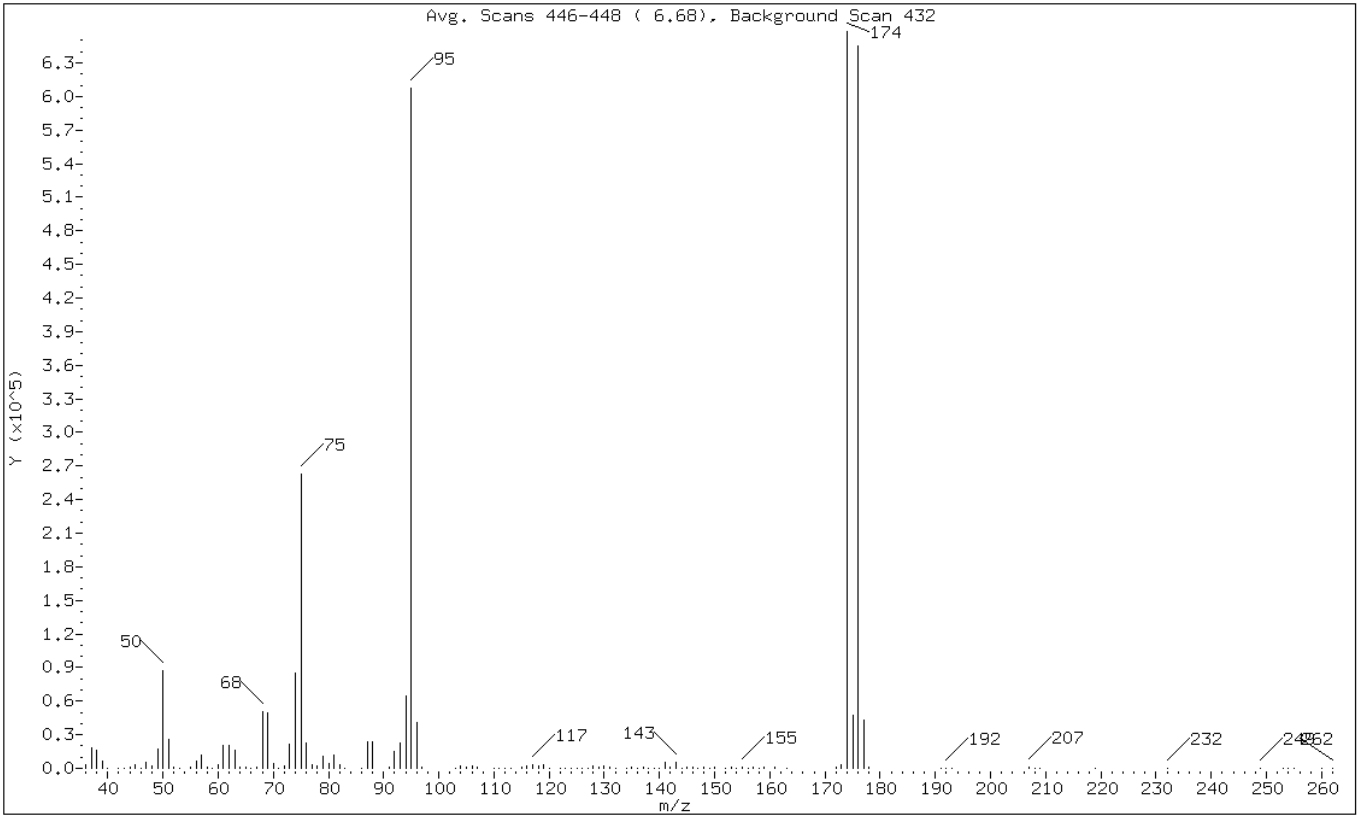
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS								
RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	ON-COL	FINAL	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
\$	1	bfb				CAS #:	460-00-4	
6.678	6.760	-0.082	95	607637			100.00- 100.00	92.34
6.678	6.760	-0.082	50	86912			8.00- 40.00	14.30
6.678	6.760	-0.082	75	262613			30.00- 66.00	43.22
6.678	6.760	-0.082	96	41362			5.00- 9.00	6.81
6.678	6.760	-0.082	173	2977			0.00- 2.00	0.45
6.678	6.760	-0.082	174	658048			50.00- 120.00	108.30
6.678	6.760	-0.082	175	46917			4.00- 9.00	7.13
6.678	6.760	-0.082	176	644864			93.00- 101.00	98.00
6.678	6.760	-0.082	177	42708			5.00- 9.00	6.62

Data File: waj001.d
 Client ID: BFB
 Operator: pad
 Column Type: Capillary
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB
 1 bfb

Date: 19-SEP-2013 08:14
 Instrument: W.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.30
75	30.00 - 66.00% of mass 95	43.22
96	5.00 - 9.00% of mass 95	6.81
173	Less than 2.00% of mass 174	0.49 (0.45)
174	50.00 - 120.00% of mass 95	108.30
175	4.00 - 9.00% of mass 174	7.72 (7.13)
176	93.00 - 101.00% of mass 174	106.13 (98.00)
177	5.00 - 9.00% of mass 176	7.03 (6.62)

Data File: waj001.d
 Client ID: BFB
 Operator: pad
 Column Type: Capillary
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB

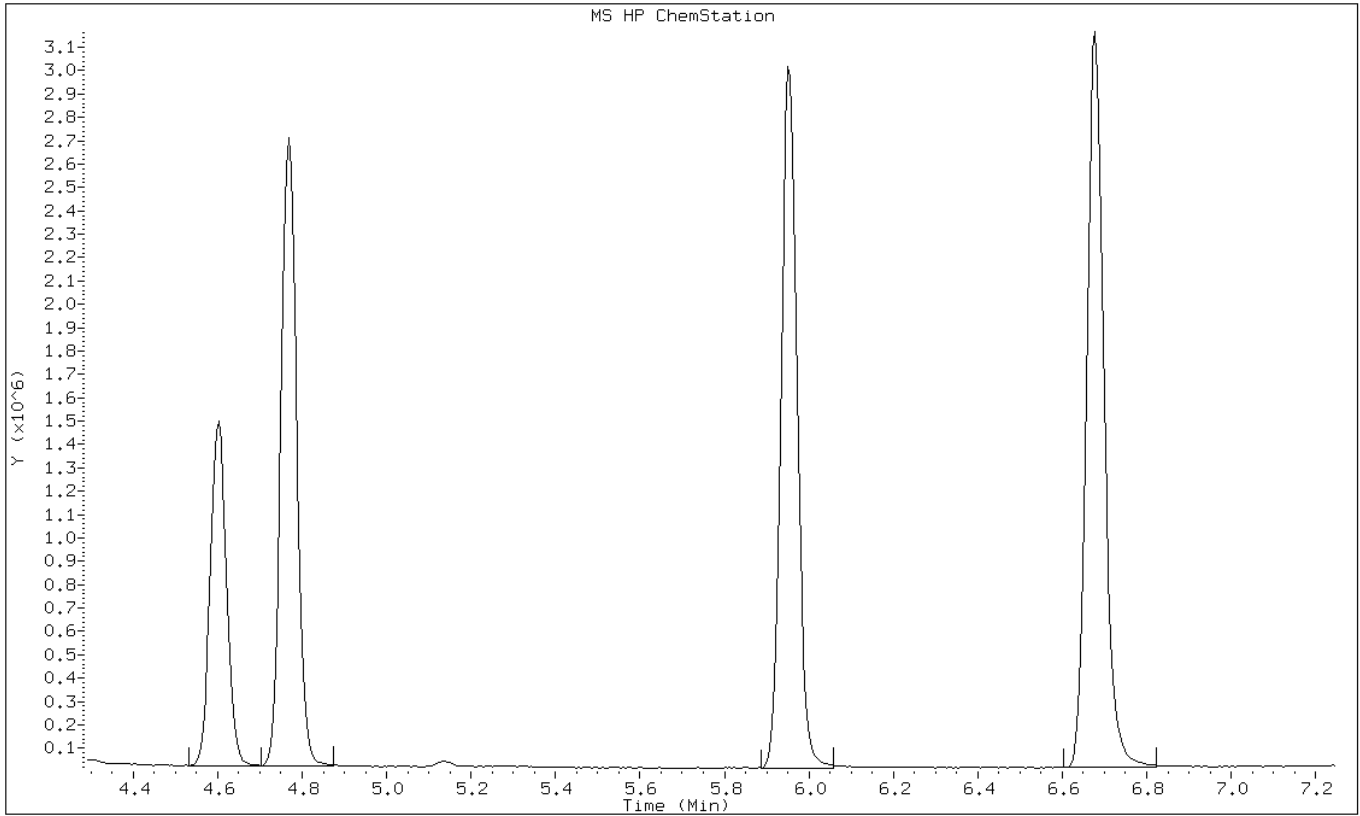
Date: 19-SEP-2013 08:14
 Instrument: W.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/W.i/Wsvr.p/wajto15.b/waj001.d
 Spectrum: Avg. Scans 446-448 (6.68), Background Scan 432
 Location of Maximum: 174.00
 Number of points: 130

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3082	71.00	142	116.00	1959	152.00	362
37.00	18184	72.00	2304	117.00	3269	153.00	552
38.00	16192	73.00	21032	118.00	1970	154.00	516
39.00	6713	74.00	84856	119.00	2925	155.00	1546
40.00	325	75.00	262592	120.00	106	156.00	437
42.00	131	76.00	22816	122.00	59	157.00	1229
43.00	81	77.00	3230	123.00	76	158.00	250
44.00	1383	78.00	2352	124.00	310	159.00	658
45.00	3758	79.00	10935	125.00	206	161.00	775
46.00	246	80.00	4173	126.00	253	163.00	185
47.00	5583	81.00	12315	127.00	292	172.00	1276
48.00	2361	82.00	3005	128.00	2178	173.00	2977
49.00	17000	83.00	391	129.00	1101	174.00	658048
50.00	86912	86.00	526	130.00	2342	175.00	46912
51.00	26296	87.00	24104	131.00	1014	176.00	644864
52.00	1526	88.00	23272	132.00	53	177.00	42704
53.00	220	91.00	1592	134.00	197	178.00	1309
55.00	821	92.00	14894	135.00	897	191.00	212
56.00	6497	93.00	22896	136.00	119	192.00	225
57.00	11904	94.00	64960	137.00	881	193.00	143
58.00	604	95.00	607616	138.00	52	207.00	1041
59.00	62	96.00	41360	139.00	129	208.00	166
60.00	3596	97.00	1400	140.00	319	209.00	103
61.00	20288	103.00	362	141.00	5126	219.00	276
62.00	20416	104.00	2200	142.00	648	232.00	147
63.00	16036	105.00	824	143.00	5322	249.00	190
64.00	1589	106.00	2190	144.00	273	253.00	123
65.00	745	107.00	582	145.00	539	254.00	108
66.00	65	110.00	279	146.00	904	255.00	84
67.00	1235	111.00	445	147.00	332	260.00	70
68.00	50096	112.00	487	148.00	1563	262.00	54
69.00	49824	113.00	403	149.00	523		
70.00	3934	115.00	682	150.00	745		

Data File: waj001.d
Client ID: BFB
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 19-SEP-2013 08:14
Instrument: W.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



TestAmerica Burlington

Data file : /chem/W.i/Wsvr.p/wajtto15.b/wajt001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 18-OCT-2013 12:33
Operator : wrd Inst ID: W.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/W.i/Wsvr.p/wajtto15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

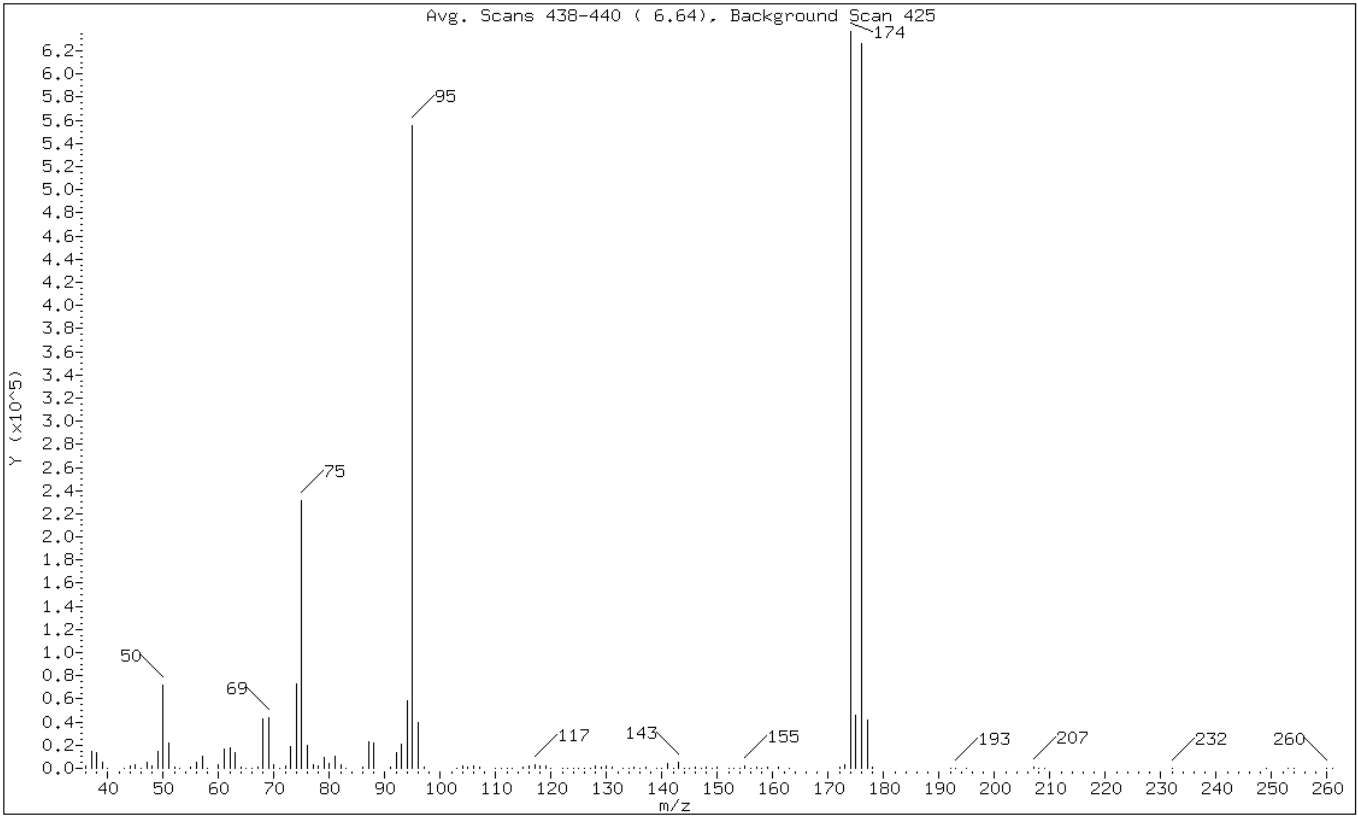
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS								
RT	EXP RT	DLT RT	MASS	RESPONSE	ON-COL	FINAL	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====
\$	1	bfb				CAS #:	460-00-4	
6.635	6.760	-0.125	95	555221			100.00- 100.00	87.20
6.635	6.760	-0.125	50	71405			8.00- 40.00	12.86
6.635	6.760	-0.125	75	231274			30.00- 66.00	41.65
6.635	6.760	-0.125	96	39500			5.00- 9.00	7.11
6.635	6.760	-0.125	173	2836			0.00- 2.00	0.45
6.635	6.760	-0.125	174	636736			50.00- 120.00	114.68
6.635	6.760	-0.125	175	45461			4.00- 9.00	7.14
6.635	6.760	-0.125	176	626090			93.00- 101.00	98.33
6.635	6.760	-0.125	177	41651			5.00- 9.00	6.65

Data File: wajt001.d
 Client ID: BFB
 Operator: wrd
 Column Type: Capillary
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB
 1 bfb

Date: 18-OCT-2013 12:33
 Instrument: W.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	12.86
75	30.00 - 66.00% of mass 95	41.65
96	5.00 - 9.00% of mass 95	7.11
173	Less than 2.00% of mass 174	0.51 (0.45)
174	50.00 - 120.00% of mass 95	114.68
175	4.00 - 9.00% of mass 174	8.19 (7.14)
176	93.00 - 101.00% of mass 174	112.76 (98.33)
177	5.00 - 9.00% of mass 176	7.50 (6.65)

Data File: wajt001.d
 Client ID: BFB
 Operator: wrd
 Column Type: Capillary
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB

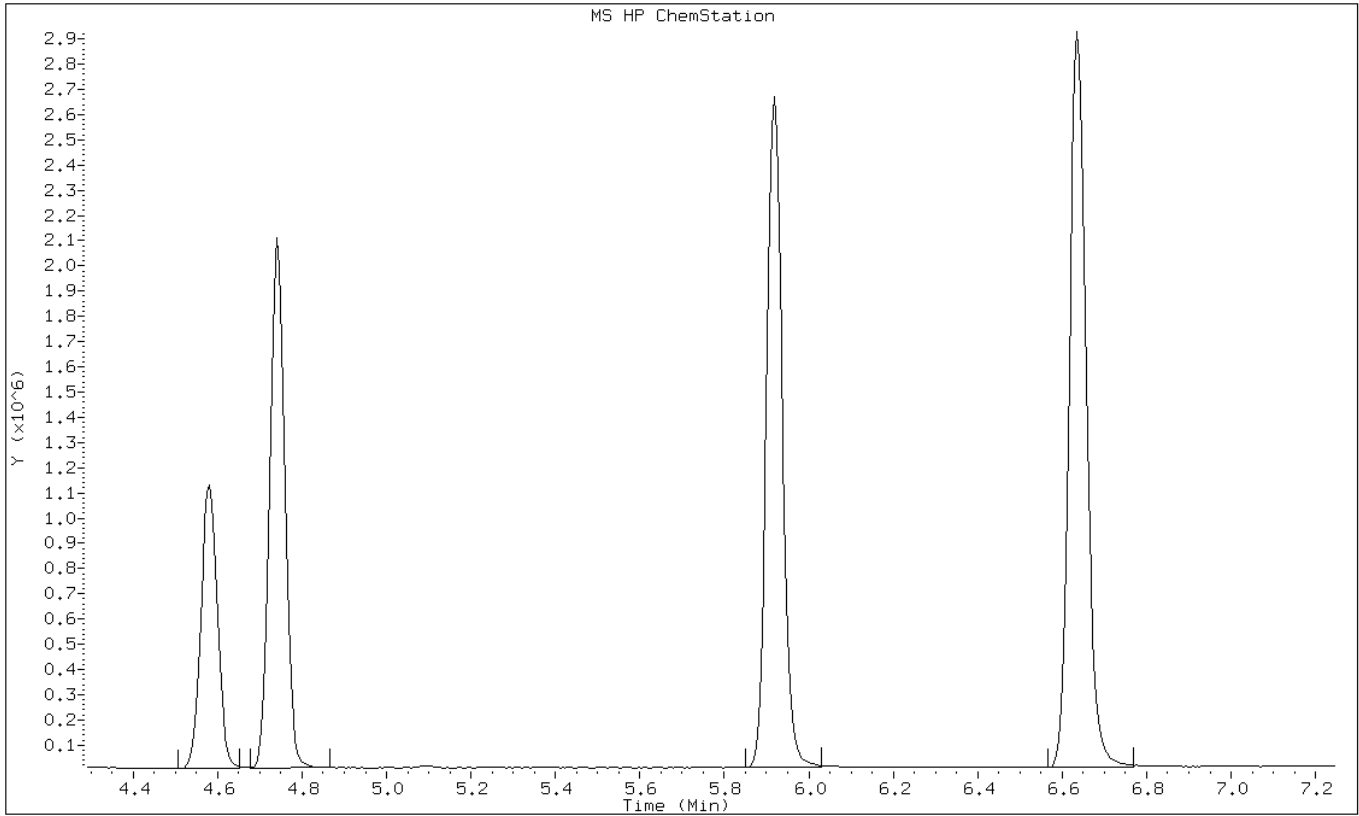
Date: 18-OCT-2013 12:33
 Instrument: W.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/W.i/Wsvr.p/wajtto15.b/wajt001.d
 Spectrum: Avg. Scans 438-440 (6.64), Background Scan 425
 Location of Maximum: 174.00
 Number of points: 125

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2511	72.00	2114	116.00	1773	152.00	375
37.00	14144	73.00	18544	117.00	2705	153.00	405
38.00	13120	74.00	72568	118.00	1773	154.00	388
39.00	5530	75.00	231232	119.00	2199	155.00	1594
40.00	108	76.00	19552	120.00	51	156.00	339
43.00	216	77.00	2655	122.00	56	157.00	1160
44.00	1717	78.00	1915	123.00	55	158.00	229
45.00	3005	79.00	9742	124.00	382	159.00	699
46.00	61	80.00	3961	125.00	177	161.00	726
47.00	4901	81.00	10251	126.00	192	163.00	184
48.00	2043	82.00	2878	127.00	317	172.00	805
49.00	14106	83.00	290	128.00	2012	173.00	2836
50.00	71400	86.00	555	129.00	929	174.00	636736
51.00	22064	87.00	23040	130.00	1920	175.00	45456
52.00	1030	88.00	22336	131.00	830	176.00	626048
53.00	53	91.00	1369	133.00	36	177.00	41648
55.00	788	92.00	13222	134.00	184	178.00	1344
56.00	5033	93.00	20432	135.00	913	192.00	59
57.00	9978	94.00	57864	136.00	181	193.00	68
58.00	406	95.00	555200	137.00	784	195.00	67
60.00	3282	96.00	39496	139.00	160	207.00	559
61.00	17112	97.00	1392	140.00	208	208.00	338
62.00	17360	103.00	312	141.00	4394	209.00	110
63.00	13301	104.00	1821	142.00	514	232.00	49
64.00	1257	105.00	676	143.00	4696	249.00	63
65.00	397	106.00	1954	144.00	259	253.00	106
66.00	56	107.00	594	145.00	502	254.00	73
67.00	934	110.00	254	146.00	935	260.00	136
68.00	43152	111.00	321	147.00	494	261.00	50
69.00	44112	112.00	273	148.00	1373		
70.00	3572	113.00	339	149.00	470		
71.00	116	115.00	560	150.00	531		

Data File: wajt001.d
Client ID: BFB
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 18-OCT-2013 12:33
Instrument: W.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-63024/4
 Matrix: Air Lab File ID: wajt004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/18/2013 15:02
 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.: 63024 Units: ppb v/v

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

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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-63024/4
 Matrix: Air Lab File ID: wajt004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/18/2013 15:02
 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.: 63024 Units: ppb v/v

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

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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-63024/4
 Matrix: Air Lab File ID: wajt004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/18/2013 15:02
 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.: 63024 Units: ug/m3

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

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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-63024/4
 Matrix: Air Lab File ID: wajt004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/18/2013 15:02
 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.: 63024 Units: ug/m3

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

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/W.i/Wsvr.p/wajtto15.b/wajt004.d
Lab Smp Id: mb
Inj Date : 18-OCT-2013 15:02
Operator : wrd
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/W.i/Wsvr.p/wajtto15.b/to15v5.m
Meth Date : 21-Oct-2013 10:46 wrd
Cal Date : 19-SEP-2013 11:27
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: W.i
Quant Type: ISTD
Cal File: waj005.d
QC Sample: BLANK
Compound Sublist: allT015.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)
1 Propene	41						
2 Dichlorodifluoromethane	85						
3 Chlorodifluoromethane	51						
4 1,2-Dichloro-1,1,2,2-tetraflu	85						
5 Chloromethane	50						
6 Butane	43						
7 Vinyl chloride	62						
8 1,3-Butadiene	54						
9 Bromomethane	94						
10 Chloroethane	64						
11 2-Methylbutane	43						
12 Vinyl bromide	106						
13 Trichlorofluoromethane	101						
14 Pentane	43						

Compounds	QUANT	SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
									ON-COLUMN	FINAL
	MASS								(ppb v/v)	(ppb v/v)
15 Ethanol	45									
16 Ethyl ether	59									
17 1,1,2-Trichloro-1,2,2-trifluo	101									
18 Acrolein	56									
19 1,1-Dichloroethene	96									
20 Acetone	43		8.791	8.775	(0.683)		27175	0.43251	0.43(a)	
21 Carbon disulfide	76									
22 Isopropanol	45									
23 Allyl chloride	41									
24 Acetonitrile	41									
25 Methylene chloride	49		9.759	9.765	(0.758)		3609	0.07274	0.073(aM)	
26 Tert-butyl alcohol	59									
27 Methyl tert-butyl ether	73									
28 1,2-Dichloroethene (trans)	61									
29 Acrylonitrile	53									
30 n-Hexane	57									
31 1,1-Dichloroethane	63									
32 Vinyl acetate	43									
M 33 1,2-Dichloroethene,Total	61									
34 1,2-Dichloroethene (cis)	96									
35 Ethyl acetate	88									
36 Methyl Ethyl Ketone	72									
* 37 Bromochloromethane	128		12.873	12.884	(1.000)		487302	10.0000		
38 Tetrahydrofuran	42									
39 Chloroform	83									
40 Cyclohexane	84									
41 1,1,1-Trichloroethane	97									
42 Carbon tetrachloride	117									
43 2,2,4-Trimethylpentane	57									
44 Benzene	78									
45 1,2-Dichloroethane	62									
46 n-Heptane	43									
* 47 1,4-Difluorobenzene	114		14.767	14.772	(1.000)		2368904	10.0000		
48 n-Butanol	56									
49 Trichloroethene	95									
50 1,2-Dichloropropane	63									
51 Methyl methacrylate	69									
52 Dibromomethane	174									
53 1,4-Dioxane	88									
54 Bromodichloromethane	83									
55 1,3-Dichloropropene (cis)	75									
56 Methyl isobutyl ketone	43									
57 n-Octane	43									
58 Toluene	92									
59 1,3-Dichloropropene (trans)	75									
60 1,1,2-Trichloroethane	83									
61 Tetrachloroethene	166									

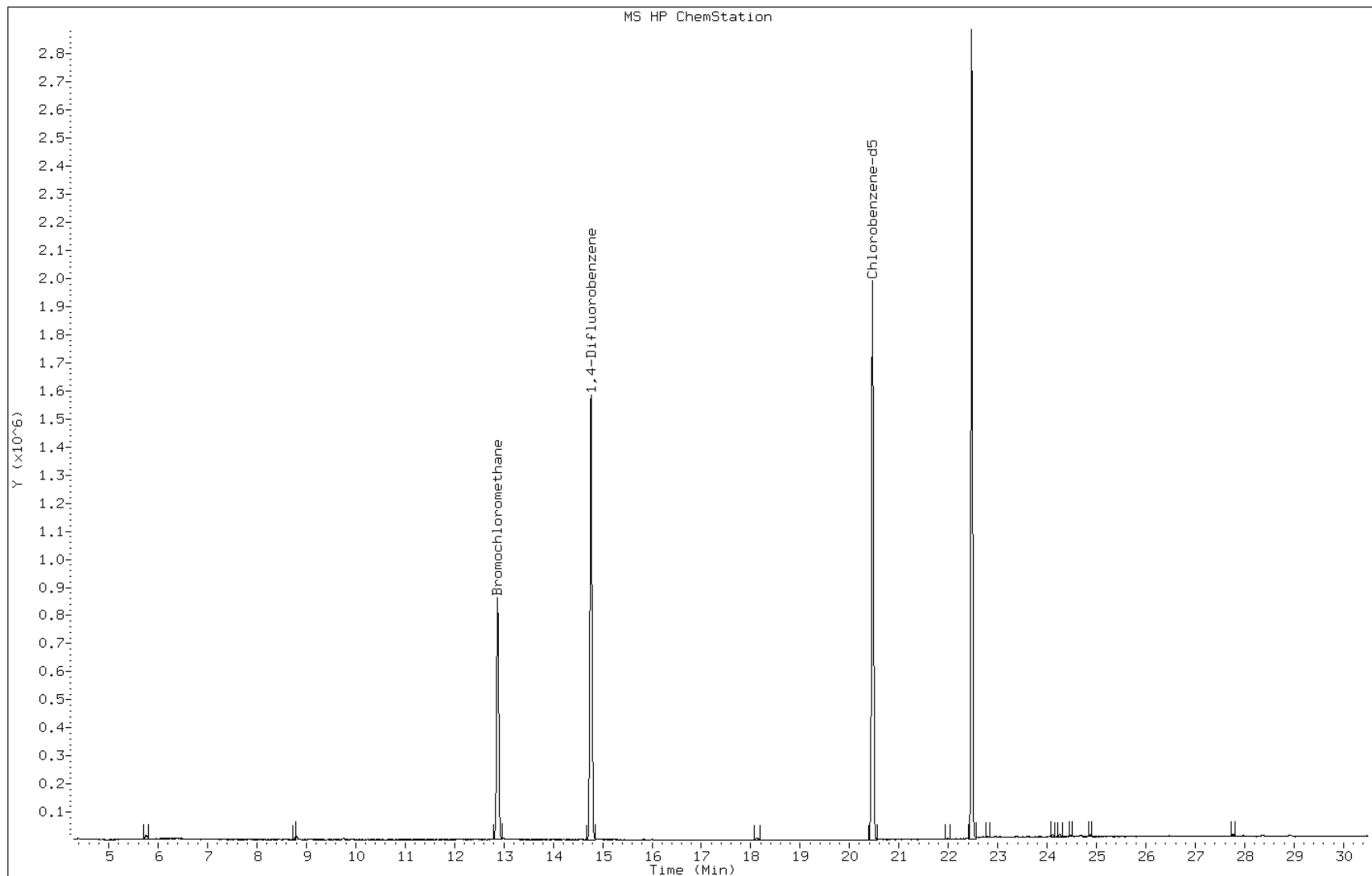
Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62 2-Hexanone	43							
63 Dibromochloromethane	129							
64 1,2-Dibromoethane	107							
* 65 Chlorobenzene-d5	117		20.464	20.470	(1.000)	2128302	10.0000	
66 Chlorobenzene	112							
67 n-Nonane	57							
68 Ethylbenzene	91							
69 Xylene (m,p)	106							
M 70 Xylenes, Total	106							
71 Xylene (o)	106							
72 Styrene	104							
73 Bromoform	173							
74 Isopropylbenzene	105							
75 1,1,2,2-Tetrachloroethane	83							
76 n-Propylbenzene	91							
77 1,2,3-Trichloropropane	75							
78 n-Decane	57							
79 4-Ethyltoluene	105							
80 2-Chlorotoluene	91							
81 1,3,5-Trimethylbenzene	105							
82 Alpha Methyl Styrene	118							
83 tert-butylbenzene	119							
84 1,2,4-Trimethylbenzene	105							
85 sec-Butylbenzene	105							
86 4-Isopropyltoluene	119							
87 1,3-Dichlorobenzene	146							
88 1,4-Dichlorobenzene	146							
89 Benzyl chloride	91							
90 Undecane	57							
91 n-Butylbenzene	91							
92 1,2-Dichlorobenzene	146							
93 Dodecane	57							
94 1,2,4-Trichlorobenzene	180							
95 1,3-Hexachlorobutadiene	225							
96 Naphthalene	128							
97 1,2,3-Trichlorobenzene	180							

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Data File: wajt004.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 18-OCT-2013 15:02
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32

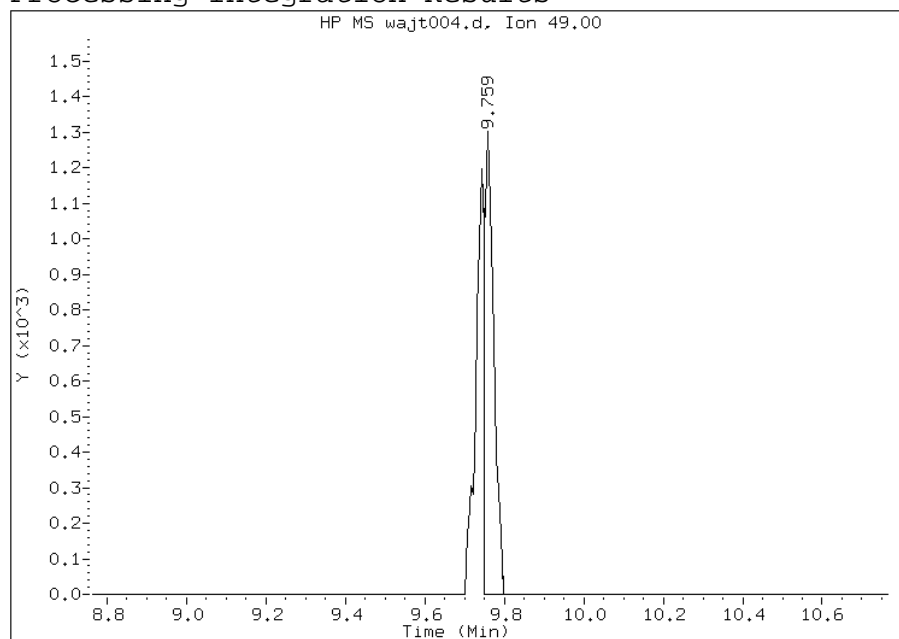


Manual Integration Report

Data File: wajt004.d
Lab Sample ID: mb
Inj. Date and Time: 18-OCT-2013 15:02
Instrument ID: W.i
Client ID:
Compound: 25 Methylene chloride
CAS #: 75-09-2
Report Date: 10/21/2013

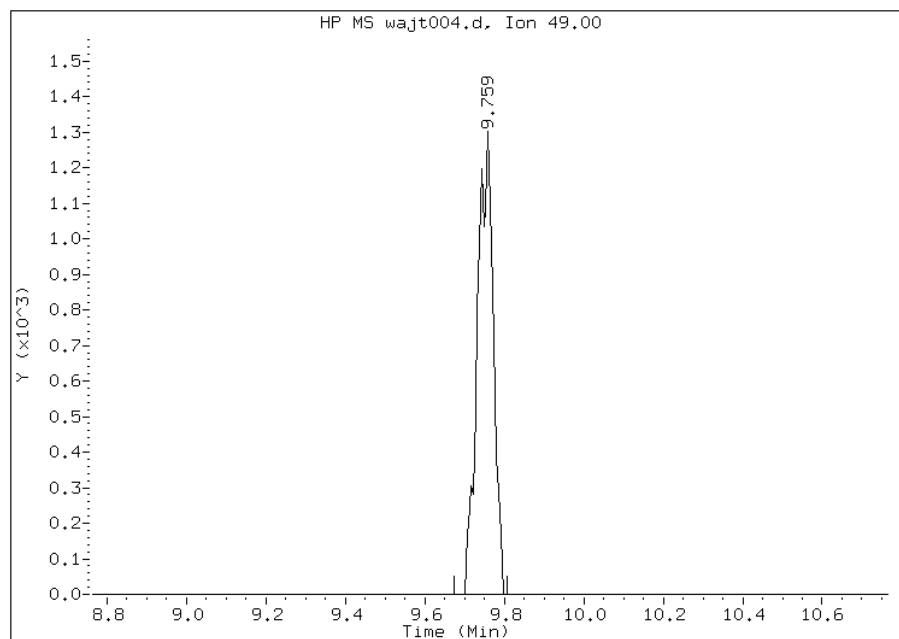
Processing Integration Results

RT: 9.76
Response: 2180
Amount: 0.043957
Conc: 0.043957



Manual Integration Results

RT: 9.76
Response: 3609
Amount: 0.072743
Conc: 0.072743



File Uploaded By: wrd
Manual Integration Reason: Baseline event

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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-63024/3
 Matrix: Air Lab File ID: wajt003.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/18/2013 14:12
 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.: 63024 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	133.41	10.8		0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	10.6		0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	10.2		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	10.4		0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	11.9		0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	11.7		0.50	0.50
95-63-6	1,2,4-Trimethylbenzene	120.20	11.3		0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	10.8		0.20	0.20
95-50-1	1,2-Dichlorobenzene	147.00	11.1		0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	10.4		0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	21.4		0.20	0.20
78-87-5	1,2-Dichloropropane	112.99	10.4		0.20	0.20
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	10.5		0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	11.3		0.20	0.20
106-99-0	1,3-Butadiene	54.09	9.13		0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	11.5		0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	11.6		0.20	0.20
123-91-1	1,4-Dioxane	88.11	9.88		5.0	5.0
540-84-1	2,2,4-Trimethylpentane	114.23	10.8		0.20	0.20
95-49-8	2-Chlorotoluene	126.59	11.6		0.20	0.20
107-05-1	3-Chloropropene	76.53	9.74		0.50	0.50
622-96-8	4-Ethyltoluene	120.20	12.0		0.20	0.20
67-64-1	Acetone	58.08	10.9		5.0	5.0
71-43-2	Benzene	78.11	10.7		0.20	0.20
75-27-4	Bromodichloromethane	163.83	11.3		0.20	0.20
593-60-2	Bromoethene (Vinyl Bromide)	106.96	11.1		0.20	0.20
75-25-2	Bromoform	252.75	12.8		0.20	0.20
74-83-9	Bromomethane	94.94	8.64		0.20	0.20
75-15-0	Carbon disulfide	76.14	10.8		0.50	0.50
56-23-5	Carbon tetrachloride	153.81	11.3		0.20	0.20
108-90-7	Chlorobenzene	112.56	10.6		0.20	0.20
75-00-3	Chloroethane	64.52	10.4		0.50	0.50
67-66-3	Chloroform	119.38	10.6		0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 480-47899-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-63024/3
 Matrix: Air Lab File ID: wajt003.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 10/18/2013 14:12
 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.: 63024 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
74-87-3	Chloromethane	50.49	10.1		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	11.0		0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	10.9		0.20	0.20
110-82-7	Cyclohexane	84.16	11.1		0.20	0.20
124-48-1	Dibromochloromethane	208.29	12.1		0.20	0.20
75-71-8	Dichlorodifluoromethane	120.91	10.6		0.50	0.50
100-41-4	Ethylbenzene	106.17	10.9		0.20	0.20
76-13-1	Freon TF	187.38	11.6		0.20	0.20
87-68-3	Hexachlorobutadiene	260.76	11.9		0.20	0.20
67-63-0	Isopropyl alcohol	60.10	10.0		5.0	5.0
179601-23-1	m,p-Xylene	106.17	22.0		0.50	0.50
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.3		0.50	0.50
78-93-3	Methyl Ethyl Ketone	72.11	9.68		0.50	0.50
108-10-1	methyl isobutyl ketone	100.16	10.4		0.50	0.50
1634-04-4	Methyl tert-butyl ether	88.15	10.9		0.20	0.20
75-09-2	Methylene Chloride	84.93	10.6		0.50	0.50
142-82-5	n-Heptane	100.21	9.69		0.20	0.20
110-54-3	n-Hexane	86.17	10.5		0.20	0.20
100-42-5	Styrene	104.15	11.2		0.20	0.20
75-65-0	tert-Butyl alcohol	74.12	10.4		5.0	5.0
127-18-4	Tetrachloroethene	165.83	11.0		0.20	0.20
109-99-9	Tetrahydrofuran	72.11	10.3		5.0	5.0
108-88-3	Toluene	92.14	10.7		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	10.4		0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	10.8		0.20	0.20
79-01-6	Trichloroethene	131.39	10.7		0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	10.6		0.20	0.20
75-01-4	Vinyl chloride	62.50	9.46		0.20	0.20
1330-20-7	Xylene (total)	106.17	32.9		0.20	0.20
95-47-6	Xylene, o-	106.17	10.9		0.20	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/W.i/Wsvr.p/wajtto15.b/wajt003.d
 Lab Smp Id: lcs 562121
 Inj Date : 18-OCT-2013 14:12
 Operator : wrd
 Smp Info : lcs 562121
 Misc Info : 200,1, lcs
 Comment :
 Method : /chem/W.i/Wsvr.p/wajtto15.b/to15v5.m
 Meth Date : 21-Oct-2013 10:46 wrd
 Cal Date : 19-SEP-2013 11:27
 Als bottle: 3
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: chemsvr6

Inst ID: W.i

Quant Type: ISTD

Cal File: waj005.d

QC Sample: LCS

Compound Sublist: allTO15.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
1 Propene	41		4.394	4.405	(0.341)	340443	9.20138	9.2	
2 Dichlorodifluoromethane	85		4.485	4.496	(0.348)	1658779	10.5749	11	
3 Chlorodifluoromethane	51		4.549	4.560	(0.353)	771744	10.1569	10	
4 1,2-Dichloro-1,1,2,2-tetraflu	85		4.838	4.849	(0.376)	1840987	10.4712	10	
5 Chloromethane	50		5.030	5.041	(0.391)	447286	10.0520	10	
6 Butane	43		5.298	5.309	(0.412)	670405	9.29233	9.3	
7 Vinyl chloride	62		5.357	5.368	(0.416)	539759	9.46437	9.5	
8 1,3-Butadiene	54		5.453	5.464	(0.424)	355389	9.13304	9.1	
9 Bromomethane	94		6.325	6.336	(0.491)	508716	8.64285	8.6	
10 Chloroethane	64		6.609	6.619	(0.513)	329145	10.4142	10	
11 2-Methylbutane	43		6.694	6.710	(0.520)	602832	9.93721	9.9	
12 Vinyl bromide	106		7.090	7.101	(0.551)	747948	11.0816	11	
13 Trichlorofluoromethane	101		7.208	7.219	(0.560)	1747068	10.5511	11	
14 Pentane	43		7.374	7.384	(0.573)	899045	9.79079	9.8	

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
15 Ethanol	45	7.812	7.818	(0.607)	277858	12.8288	13
16 Ethyl ether	59	7.962	7.973	(0.618)	418143	9.94304	9.9
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.460	8.470	(0.657)	1520152	11.5525	12
18 Acrolein	56	8.433	8.438	(0.655)	155113	7.36856	7.4
19 1,1-Dichloroethene	96	8.534	8.540	(0.663)	750193	11.9180	12
20 Acetone	43	8.770	8.775	(0.681)	760723	10.9400	11
21 Carbon disulfide	76	9.016	9.027	(0.700)	1912998	10.7822	11
22 Isopropanol	45	9.043	9.048	(0.702)	566210	10.0151	10
23 Allyl chloride	41	9.423	9.433	(0.732)	567450	9.74420	9.7
24 Acetonitrile	41	9.562	9.567	(0.743)	334216	10.1058	10
25 Methylene chloride	49	9.754	9.765	(0.758)	583847	10.6333	11
26 Tert-butyl alcohol	59	9.915	9.926	(0.770)	963543	10.3854	10
27 Methyl tert-butyl ether	73	10.182	10.188	(0.791)	1866890	10.8741	11
28 1,2-Dichloroethene (trans)	61	10.252	10.257	(0.796)	857246	10.3829	10
29 Acrylonitrile	53	10.407	10.418	(0.808)	403434	10.3423	10
30 n-Hexane	57	10.674	10.680	(0.829)	968600	10.5307	11
31 1,1-Dichloroethane	63	11.220	11.226	(0.872)	1087823	10.4335	10
32 Vinyl acetate	43	11.263	11.268	(0.875)	1191176	10.1292	10
M 33 1,2-Dichloroethene,Total	61				1657063	21.3721	21
34 1,2-Dichloroethene (cis)	96	12.392	12.402	(0.963)	799817	10.9892	11
35 Ethyl acetate	88	12.434	12.445	(0.966)	67316	10.5683	11
36 Methyl Ethyl Ketone	72	12.413	12.418	(0.964)	350075	9.68124	9.7(Q)
* 37 Bromochloromethane	128	12.873	12.884	(1.000)	539303	10.0000	
38 Tetrahydrofuran	42	12.868	12.879	(0.871)	550442	10.2752	10
39 Chloroform	83	12.985	12.991	(1.009)	1359371	10.6071	11
40 Cyclohexane	84	13.285	13.290	(0.900)	1050519	11.0713	11
41 1,1,1-Trichloroethane	97	13.301	13.307	(0.901)	1478660	10.8344	11
42 Carbon tetrachloride	117	13.553	13.563	(0.918)	1639360	11.3425	11
43 2,2,4-Trimethylpentane	57	13.954	13.959	(0.945)	2997075	10.7866	11
44 Benzene	78	14.007	14.013	(0.949)	2180185	10.7267	11
45 1,2-Dichloroethane	62	14.168	14.173	(0.959)	768757	10.3800	10
46 n-Heptane	43	14.301	14.307	(0.968)	941742	9.69498	9.7
* 47 1,4-Difluorobenzene	114	14.767	14.772	(1.000)	2583100	10.0000	
48 n-Butanol	56	15.040	15.045	(1.018)	246037	9.07693	9.1
49 Trichloroethene	95	15.227	15.238	(1.031)	998368	10.7473	11
50 1,2-Dichloropropane	63	15.751	15.762	(1.067)	705056	10.4176	10
51 Methyl methacrylate	69	15.842	15.848	(1.073)	722278	10.5381	11
52 Dibromomethane	174	15.992	16.003	(1.083)	1274989	11.2799	11
53 1,4-Dioxane	88	15.922	15.933	(1.078)	314750	9.87710	9.9
54 Bromodichloromethane	83	16.243	16.249	(1.100)	1507140	11.2833	11
55 1,3-Dichloropropene (cis)	75	17.110	17.116	(1.159)	1128524	10.8789	11
56 Methyl isobutyl ketone	43	17.345	17.356	(1.175)	1149532	10.3910	10
57 n-Octane	43	17.682	17.688	(1.197)	1238717	10.1775	10
58 Toluene	92	17.682	17.693	(0.864)	1692043	10.6513	11
59 1,3-Dichloropropene (trans)	75	18.212	18.218	(1.233)	1120197	10.8321	11
60 1,1,2-Trichloroethane	83	18.581	18.587	(0.908)	741040	10.1974	10
61 Tetrachloroethene	166	18.720	18.726	(0.915)	1901032	11.0447	11

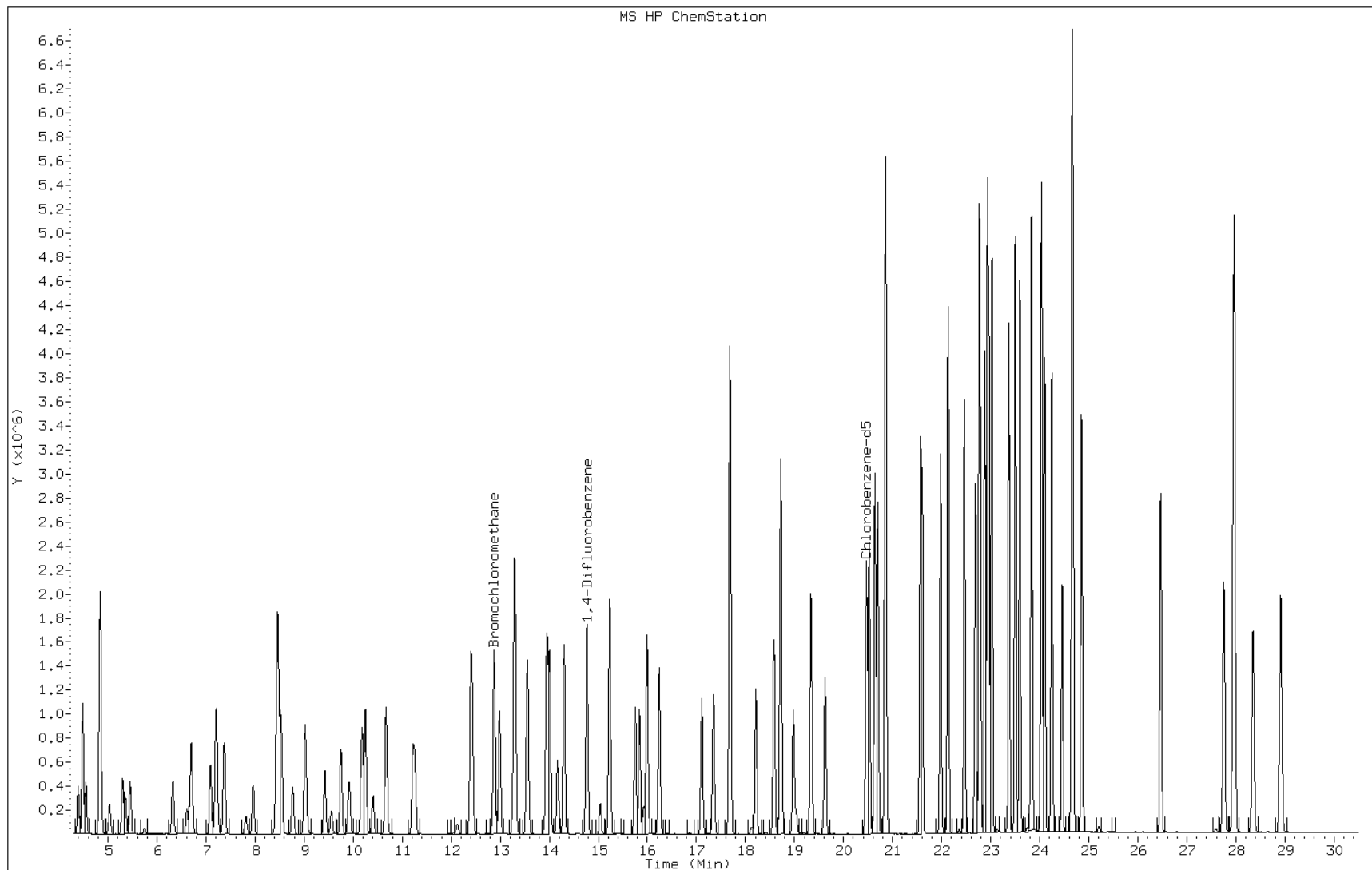
Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	====		==	=====	=====	=====	=====	=====
62 2-Hexanone	43		18.977	18.983	(0.927)	984485	10.2746	10
63 Dibromochloromethane	129		19.336	19.341	(0.945)	1920927	12.1001	12
64 1,2-Dibromoethane	107		19.624	19.630	(0.959)	1505793	10.8084	11
* 65 Chlorobenzene-d5	117		20.470	20.470	(1.000)	2400140	10.0000	
66 Chlorobenzene	112		20.523	20.529	(1.003)	2458738	10.6400	11
67 n-Nonane	57		20.700	20.705	(1.011)	1430572	10.8287	11
68 Ethylbenzene	91		20.641	20.646	(1.008)	3617726	10.8915	11
69 Xylene (m,p)	106		20.855	20.860	(1.019)	3093564	22.0025	22
M 70 Xylenes, Total	106					4628445	32.8572	33
71 Xylene (o)	106		21.566	21.572	(1.054)	1534881	10.8547	11
72 Styrene	104		21.604	21.609	(1.055)	2325504	11.2156	11
73 Bromoform	173		21.978	21.984	(1.074)	2249208	12.8230	13
74 Isopropylbenzene	105		22.133	22.139	(1.081)	4417290	11.4542	11
75 1,1,2,2-Tetrachloroethane	83		22.684	22.690	(1.108)	1938951	10.6483	11
76 n-Propylbenzene	91		22.765	22.770	(1.112)	4907313	11.7266	12
77 1,2,3-Trichloropropane	75		22.791	22.792	(1.113)	1461397	10.9512	11
78 n-Decane	57		22.877	22.883	(1.118)	1839432	11.1456	11
79 4-Ethyltoluene	105		22.931	22.936	(1.120)	4548317	11.9935	12
80 2-Chlorotoluene	91		22.963	22.968	(1.122)	3585430	11.5830	12
81 1,3,5-Trimethylbenzene	105		23.027	23.027	(1.125)	3722749	11.3159	11
82 Alpha Methyl Styrene	118		23.375	23.375	(1.142)	2006249	12.1858	12
83 tert-butylbenzene	119		23.503	23.503	(1.148)	3903055	11.5167	12
84 1,2,4-Trimethylbenzene	105		23.594	23.599	(1.153)	3632121	11.2604	11
85 sec-Butylbenzene	105		23.835	23.835	(1.164)	5440418	11.7323	12
86 4-Isopropyltoluene	119		24.038	24.038	(1.174)	4852448	11.9460	12
87 1,3-Dichlorobenzene	146		24.102	24.102	(1.177)	2767812	11.5282	12
88 1,4-Dichlorobenzene	146		24.247	24.247	(1.185)	2657461	11.6224	12
89 Benzyl chloride	91		24.461	24.461	(1.195)	2246766	12.0289	12
90 Undecane	57		24.653	24.659	(1.204)	1952092	12.0372	12
91 n-Butylbenzene	91		24.675	24.680	(1.205)	3683078	12.0501	12
92 1,2-Dichlorobenzene	146		24.851	24.857	(1.214)	2555000	11.1322	11
93 Dodecane	57		26.467	26.472	(1.293)	1555706	13.9783	14(R)
94 1,2,4-Trichlorobenzene	180		27.756	27.756	(1.356)	1543248	11.7259	12
95 1,3-Hexachlorobutadiene	225		27.959	27.965	(1.366)	2436214	11.8862	12
96 Naphthalene	128		28.350	28.355	(1.385)	3024839	13.6472	14(R)
97 1,2,3-Trichlorobenzene	180		28.912	28.917	(1.412)	1604881	13.9354	14(R)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 R - Spike/Surrogate failed recovery limits.

Data File: wajt003.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: lcs 562121
Lab Sample ID: lcs 562121

Date: 18-OCT-2013 14:12
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 480-47899-1

SDG No.: _____

Instrument ID: W.i Start Date: 09/19/2013 08:14

Analysis Batch Number: 61437 End Date: 09/19/2013 21:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-61437/1		09/19/2013 08:14	1	waj001.d	RTX-624 0.32 (mm)
VIBLK 200-61437/2		09/19/2013 09:02	1		RTX-624 0.32 (mm)
VIBLK 200-61437/3		09/19/2013 09:51	1		RTX-624 0.32 (mm)
IC 200-61437/4		09/19/2013 10:39	1	waj004.d	RTX-624 0.32 (mm)
IC 200-61437/5		09/19/2013 11:27	1	waj005.d	RTX-624 0.32 (mm)
IC 200-61437/6		09/19/2013 12:18	1	waj006.d	RTX-624 0.32 (mm)
IC 200-61437/7		09/19/2013 13:07	1	waj007.d	RTX-624 0.32 (mm)
ICIS 200-61437/8		09/19/2013 13:55	1	waj008.d	RTX-624 0.32 (mm)
IC 200-61437/9		09/19/2013 14:43	1	waj009.d	RTX-624 0.32 (mm)
IC 200-61437/10		09/19/2013 15:32	1	waj010.d	RTX-624 0.32 (mm)
IC 200-61437/11		09/19/2013 16:21	1	waj011.d	RTX-624 0.32 (mm)
VIBLK 200-61437/12		09/19/2013 17:09	1		RTX-624 0.32 (mm)
VIBLK 200-61437/13		09/19/2013 17:58	1		RTX-624 0.32 (mm)
ICV 200-61437/14		09/19/2013 18:47	1	waj014.d	RTX-624 0.32 (mm)
VIBLK 200-61437/15		09/19/2013 19:35	1		RTX-624 0.32 (mm)
ZZZZZ		09/19/2013 20:24	1		RTX-624 0.32 (mm)
VIBLK 200-61437/17		09/19/2013 21:13	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 480-47899-1

SDG No.: _____

Instrument ID: W.i Start Date: 10/18/2013 12:33

Analysis Batch Number: 63024 End Date: 10/19/2013 11:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-63024/1		10/18/2013 12:33	1	wajt001.d	RTX-624 0.32 (mm)
CCVIS 200-63024/2		10/18/2013 13:22	1	wajt002.d	RTX-624 0.32 (mm)
LCS 200-63024/3		10/18/2013 14:12	1	wajt003.d	RTX-624 0.32 (mm)
MB 200-63024/4		10/18/2013 15:02	1	wajt004.d	RTX-624 0.32 (mm)
ZZZZZ		10/18/2013 15:55	5		RTX-624 0.32 (mm)
ZZZZZ		10/18/2013 16:45	5		RTX-624 0.32 (mm)
ZZZZZ		10/18/2013 17:34	4		RTX-624 0.32 (mm)
ZZZZZ		10/18/2013 18:22	4		RTX-624 0.32 (mm)
ZZZZZ		10/18/2013 19:11	2		RTX-624 0.32 (mm)
ZZZZZ		10/18/2013 19:59	2		RTX-624 0.32 (mm)
ZZZZZ		10/18/2013 20:47	2		RTX-624 0.32 (mm)
ZZZZZ		10/18/2013 21:38	1		RTX-624 0.32 (mm)
ZZZZZ		10/18/2013 22:29	1.77		RTX-624 0.32 (mm)
ZZZZZ		10/18/2013 23:20	1		RTX-624 0.32 (mm)
ZZZZZ		10/19/2013 00:09	1		RTX-624 0.32 (mm)
ZZZZZ		10/19/2013 00:59	9.09		RTX-624 0.32 (mm)
ZZZZZ		10/19/2013 01:48	10		RTX-624 0.32 (mm)
ZZZZZ		10/19/2013 02:37	8		RTX-624 0.32 (mm)
ZZZZZ		10/19/2013 03:27	10		RTX-624 0.32 (mm)
ZZZZZ		10/19/2013 04:16	10		RTX-624 0.32 (mm)
ZZZZZ		10/19/2013 05:05	1700		RTX-624 0.32 (mm)
480-47899-21	4Q13 AS Effluent	10/19/2013 05:54	2	wajt022.d	RTX-624 0.32 (mm)
ZZZZZ		10/19/2013 07:11	1		RTX-624 0.32 (mm)
ZZZZZ		10/19/2013 08:04	1		RTX-624 0.32 (mm)
ZZZZZ		10/19/2013 08:56	1		RTX-624 0.32 (mm)
ZZZZZ		10/19/2013 09:46	1		RTX-624 0.32 (mm)
ZZZZZ		10/19/2013 10:35	4		RTX-624 0.32 (mm)
ZZZZZ		10/19/2013 11:24	4		RTX-624 0.32 (mm)

Loc: 200
18574
#4
A

200-18574-A-4
 2802
 Location: Air-Storage
 Bottle: Summa Canister 6L
 Sampled: 9/24/2013 12:00 AM 200-661456

Pre-Shipment Clean Canister Certification Req

Certification Type: Batch Individual

Canister Cleaning & Pre-Shipment Leak Test											
System ID		# Cycles		Cleaning Date		Technician		Canister Size			
OVEN		25		9/24/13		SH		(6L)	1L	3L	
Port	Can ID	Leak Test				Initial Reading		Final Reading			
		Initial ¹ ("Hg)	Final ("Hg)	Adjusted Initial ² ("Hg)	Difference ³	Gauge ID:	Date:	Gauge ID:	Date:		
1	4381	-29.6	-30.0	-29.7	0.3	G-8	9/25/13	G-8	9/26/13		
2	2673						1/30		0915		
3	4304										
4	2602										
5	3208										
6	3625										
7	3540										
8	2725										
9	2631										
10	4298										
11	2679										
12	4835										
						BP: 29.6 ("Hg)		BP: 29.7 ("Hg)			
						Temp 22 (°C)		Temp: 22 (°C)			
						³ Acceptance Criteria:					
						(1) The difference must be less than or equal to + 0.5					
						(2) Pressure readings must be at least 24 hours apart.					
						If time frame was not met, the PM must authorize shipment of canister:					
						PM Authorization:					
						Signature		Date			

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

² To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

³ To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory											
Test Method: <input type="checkbox"/> TO15 Routine <input type="checkbox"/> TO15 LL <input type="checkbox"/> NJDEP-LL TO15				Inventory Level				Secondary Review			
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Reviewer	
2602	9/25/13	BLCI	BL		✓				9/26/13	AN1	

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLS listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLS listed in laboratory SOP NJDEP-LLTO15.

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

Comments:

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

Lab Name: TestAmerica Burlington Job No.: 200-18574-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: blci003.d
 Lab ID: LCS 200-61708/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	12.8	128	70-130	
Dichlorodifluoromethane	10.0	12.4	124	70-130	
Freon 22	10.0	13.2	132	70-130	*
1,2-Dichlorotetrafluoroethane	10.0	11.5	115	70-130	
Chloromethane	10.0	13.9	139	70-130	*
n-Butane	10.0	15.0	150	70-130	*
Vinyl chloride	10.0	12.2	122	70-130	
1,3-Butadiene	10.0	13.7	137	70-130	*
Bromomethane	10.0	9.22	92	70-130	
Chloroethane	10.0	10.8	108	70-130	
Bromoethene (Vinyl Bromide)	10.0	9.55	96	70-130	
Trichlorofluoromethane	10.0	10.3	103	70-130	
Ethanol	15.0	16.8	112	70-130	
Freon TF	10.0	12.2	122	70-130	
1,1-Dichloroethene	10.0	12.5	125	70-130	
Acetone	10.0	15.2	152	70-130	*
Isopropyl alcohol	10.0	14.6	146	70-130	*
Carbon disulfide	10.0	12.4	124	70-130	
3-Chloropropene	10.0	15.5	155	70-130	*
Methylene Chloride	10.0	15.0	151	70-130	*
tert-Butyl alcohol	10.0	12.8	128	70-130	
Methyl tert-butyl ether	10.0	12.6	126	70-130	
trans-1,2-Dichloroethene	10.0	13.0	130	70-130	
n-Hexane	10.0	13.3	133	70-130	*
1,1-Dichloroethane	10.0	12.8	128	70-130	
Vinyl acetate	10.0	14.3	143	70-130	*
Ethyl acetate	10.0	11.4	114	70-130	
Methyl Ethyl Ketone	10.0	11.9	119	70-130	
cis-1,2-Dichloroethene	10.0	11.6	116	70-130	
Chloroform	10.0	12.2	122	70-130	
Tetrahydrofuran	10.0	14.3	143	70-130	*
1,1,1-Trichloroethane	10.0	11.7	117	70-130	
Cyclohexane	10.0	11.5	115	70-130	
Carbon tetrachloride	10.0	11.5	115	70-130	
2,2,4-Trimethylpentane	10.0	12.9	129	70-130	
Benzene	10.0	11.4	114	70-130	
1,2-Dichloroethane	10.0	12.7	127	70-130	
n-Heptane	10.0	14.6	146	70-130	*
Trichloroethene	10.0	10.9	109	70-130	
Methyl methacrylate	10.0	11.8	118	70-130	
1,2-Dichloropropane	10.0	12.1	121	70-130	
1,4-Dioxane	10.0	10.8	108	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.: 200-18574-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: blci003.d
 Lab ID: LCS 200-61708/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	11.9	119	70-130	
cis-1,3-Dichloropropene	10.0	11.5	115	70-130	
methyl isobutyl ketone	10.0	14.5	145	70-130	*
Toluene	10.0	10.8	108	70-130	
trans-1,3-Dichloropropene	10.0	11.6	116	70-130	
1,1,2-Trichloroethane	10.0	10.8	108	70-130	
Tetrachloroethene	10.0	9.45	94	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	14.4	144	70-130	*
Dibromochloromethane	10.0	11.0	110	70-130	
1,2-Dibromoethane	10.0	10.3	103	70-130	
Chlorobenzene	10.0	10.2	102	70-130	
Ethylbenzene	10.0	11.1	111	70-130	
m,p-Xylene	20.0	21.2	106	70-130	
Xylene, o-	10.0	10.5	105	70-130	
Styrene	10.0	10.7	107	70-130	
Bromoform	10.0	10.4	104	70-130	
Cumene	10.0	11.1	111	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.9	109	70-130	
n-Propylbenzene	10.0	11.5	115	70-130	
4-Ethyltoluene	10.0	11.3	113	70-130	
1,3,5-Trimethylbenzene	10.0	11.0	110	70-130	
2-Chlorotoluene	10.0	11.7	117	70-130	
tert-Butylbenzene	10.0	10.9	109	70-130	
1,2,4-Trimethylbenzene	10.0	10.8	108	70-130	
sec-Butylbenzene	10.0	11.1	111	70-130	
4-Isopropyltoluene	10.0	11.2	112	70-130	
1,3-Dichlorobenzene	10.0	9.92	99	70-130	
1,4-Dichlorobenzene	10.0	9.92	99	70-130	
Benzyl chloride	10.0	11.7	117	70-130	
n-Butylbenzene	10.0	12.3	123	70-130	
1,2-Dichlorobenzene	10.0	9.75	98	70-130	
1,2,4-Trichlorobenzene	10.0	8.59	86	70-130	
Hexachlorobutadiene	10.0	9.50	95	70-130	
Naphthalene	10.0	9.23	92	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.: 200-18574-1
 SDG No.: _____
 Lab File ID: blci004.d Lab Sample ID: MB 200-61708/4
 Matrix: Air Heated Purge: (Y/N) N
 Instrument ID: B.i Date Analyzed: 09/25/2013 14:20
 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 200-61708/3	blci003.d	09/25/2013 12:51
2602	200-18574-4	blci005.d	09/25/2013 15:14

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

Lab Name: TestAmerica Burlington Job No.: 200-18574-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-61708/4
 Matrix: Air Lab File ID: blci004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 09/25/2013 14:20
 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.: 61708 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	0.20	U	0.20	0.20
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.: 200-18574-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-61708/4
 Matrix: Air Lab File ID: blci004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 09/25/2013 14:20
 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.: 61708 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)	0.20	U	0.20	0.20
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.: 200-18574-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-61708/4
 Matrix: Air Lab File ID: blci004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200(mL) Date Analyzed: 09/25/2013 14:20
 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.: 61708 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

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/blcito15.b/blci004.d
 Lab Smp Id: MB
 Inj Date : 25-SEP-2013 14:20
 Operator : bl Inst ID: B.i
 Smp Info : MB
 Misc Info : 200,1, mb
 Comment :
 Method : /chem/B.i/Bsvr.p/blcito15.b/to15v5.m
 Meth Date : 26-Sep-2013 10:18 lyonsb Quant Type: ISTD
 Cal Date : 11-SEP-2013 17:11 Cal File: blc008.d
 Als bottle: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allTO15.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
1 Propene	41						
2 Dichlorodifluoromethane	85						
3 Chlorodifluoromethane	51						
4 1,2-Dichloro-1,1,2,2-tetraflu	85						
5 Chloromethane	50						
6 Butane	43						
7 Vinyl chloride	62						
8 1,3-Butadiene	54						
9 Bromomethane	94						
10 Chloroethane	64						
11 2-Methylbutane	43						
12 Vinyl bromide	106						
13 Trichlorofluoromethane	101						
14 Pentane	43						

Compounds	QUANT	SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
									ON-COLUMN	FINAL
	MASS								(ppb v/v)	(ppb v/v)
15 Ethanol	45									
16 Ethyl ether	59									
17 1,1,2-Trichloro-1,2,2-trifluo	101									
18 Acrolein	56									
19 1,1-Dichloroethene	96									
20 Acetone	43		6.805	6.789	(0.679)		7587	0.17149		0.17(a)
21 Carbon disulfide	76									
22 Isopropanol	45									
23 Allyl chloride	41									
24 Acetonitrile	41									
25 Methylene chloride	49		7.584	7.590	(0.756)		4444	0.12848		0.13(a)
26 Tert-butyl alcohol	59									
27 Methyl tert-butyl ether	73									
28 1,2-Dichloroethene (trans)	61									
29 Acrylonitrile	53									
30 n-Hexane	57									
31 1,1-Dichloroethane	63									
32 Vinyl acetate	43									
M 33 1,2-Dichloroethene,Total	61									
34 1,2-Dichloroethene (cis)	96									
35 Ethyl acetate	88									
36 Methyl Ethyl Ketone	72									
* 37 Bromochloromethane	128		10.028	10.034	(1.000)		243446	10.0000		(Q)
38 Tetrahydrofuran	42									
39 Chloroform	83									
40 Cyclohexane	84									
41 1,1,1-Trichloroethane	97									
42 Carbon tetrachloride	117									
43 2,2,4-Trimethylpentane	57									
44 Benzene	78									
45 1,2-Dichloroethane	62									
46 n-Heptane	43									
* 47 1,4-Difluorobenzene	114		11.427	11.437	(1.000)		1312779	10.0000		
48 n-Butanol	56									
49 Trichloroethene	95									
50 1,2-Dichloropropane	63									
51 Methyl methacrylate	69									
52 Dibromomethane	174									
53 1,4-Dioxane	88									
54 Bromodichloromethane	83									
55 1,3-Dichloropropene (cis)	75									
56 Methyl isobutyl ketone	43									
57 n-Octane	43									
58 Toluene	92									
59 1,3-Dichloropropene (trans)	75									
60 1,1,2-Trichloroethane	83									
61 Tetrachloroethene	166									

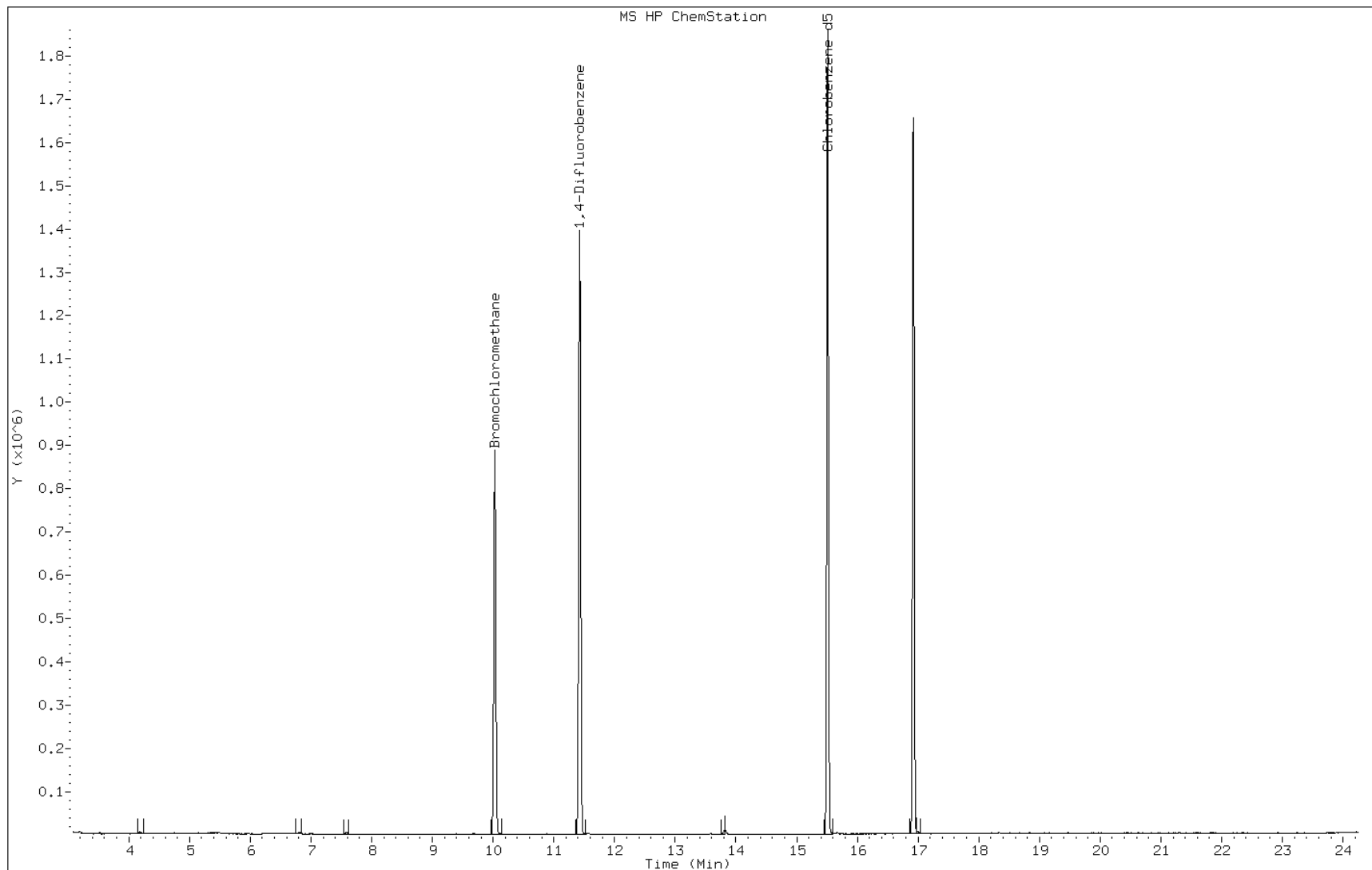
Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62 2-Hexanone	43							
63 Dibromochloromethane	129							
64 1,2-Dibromoethane	107							
* 65 Chlorobenzene-d5	117		15.509	15.515	(1.000)	1102549	10.0000	
66 Chlorobenzene	112							
67 n-Nonane	57							
68 Ethylbenzene	91							
69 Xylene (m,p)	106							
M 70 Xylenes, Total	106							
71 Xylene (o)	106							
72 Styrene	104							
73 Bromoform	173							
74 Isopropylbenzene	105							
75 1,1,2,2-Tetrachloroethane	83							
76 n-Propylbenzene	91							
77 1,2,3-Trichloropropane	75							
78 n-Decane	57							
79 4-Ethyltoluene	105							
80 2-Chlorotoluene	91							
81 1,3,5-Trimethylbenzene	105							
82 Alpha Methyl Styrene	118							
83 tert-butylbenzene	119							
84 1,2,4-Trimethylbenzene	105							
85 sec-Butylbenzene	105							
86 4-Isopropyltoluene	119							
87 1,3-Dichlorobenzene	146							
88 1,4-Dichlorobenzene	146							
89 Benzyl chloride	91							
90 Undecane	57							
91 n-Butylbenzene	91							
92 1,2-Dichlorobenzene	146							
93 Dodecane	57							
94 1,2,4-Trichlorobenzene	180							
95 1,3-Hexachlorobutadiene	225							
96 Naphthalene	128							
97 1,2,3-Trichlorobenzene	180							

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: blci004.d
Client ID:
Operator: bl
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: MB
Lab Sample ID: MB

Date: 25-SEP-2013 14:20
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-18574-1
 SDG No.: _____
 Lab File ID: blc001.d BFB Injection Date: 09/11/2013
 Instrument ID: B.i BFB Injection Time: 11:16
 Analysis Batch No.: 61039

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	18.2	
75	30.0 - 66.0% of mass 95	46.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	77.2	
175	4.0 - 9.0 % of mass 174	5.5	(7.1)1
176	93.0 - 101.0% of mass 174	75.1	(97.2)1
177	5.0 - 9.0% of mass 176	5.0	(6.6)2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-61039/4	blc004.d	09/11/2013	13:41
	IC 200-61039/5	blc005.d	09/11/2013	14:34
	IC 200-61039/7	blc007.d	09/11/2013	16:19
	ICIS 200-61039/8	blc008.d	09/11/2013	17:11
	IC 200-61039/9	blc009.d	09/11/2013	18:03
	IC 200-61039/10	blc010.d	09/11/2013	18:56
	IC 200-61039/11	blc011.d	09/11/2013	19:48
	IC 200-61039/13	blc013.d	09/11/2013	21:32
	ICV 200-61039/16	blc016.d	09/12/2013	00:08

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-18574-1
 SDG No.: _____
 Lab File ID: blci001.d BFB Injection Date: 09/25/2013
 Instrument ID: B.i BFB Injection Time: 11:00
 Analysis Batch No.: 61708

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	27.0	
75	30.0 - 66.0% of mass 95	56.3	
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	65.1	
175	4.0 - 9.0 % of mass 174	5.0	(7.8)1
176	93.0 - 101.0% of mass 174	62.7	(96.3)1
177	5.0 - 9.0% of mass 176	4.1	(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
	CCVIS 200-61708/2	blci002.d	09/25/2013	11:59
	LCS 200-61708/3	blci003.d	09/25/2013	12:51
	MB 200-61708/4	blci004.d	09/25/2013	14:20
2602	200-18574-4	blci005.d	09/25/2013	15:14

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

Lab Name: TestAmerica Burlington Job No.: 200-18574-1
 SDG No.: _____
 Sample No.: ICIS 200-61039/8 Date Analyzed: 09/11/2013 17:11
 Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): blc008.d Heated Purge: (Y/N) N
 Calibration ID: 23237

	BCM		DFB		CBZ	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	344777	10.03	1767323	11.44	1630138	15.51
UPPER LIMIT	482688	10.36	2474252	11.77	2282193	15.84
LOWER LIMIT	206866	9.70	1060394	11.11	978083	15.18
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-61039/16		360762	10.04	1837192	11.44	1610646

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = ± 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.: 200-18574-1
 SDG No.: _____
 Sample No.: CCVIS 200-61708/2 Date Analyzed: 09/25/2013 11:59
 Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): blci002.d Heated Purge: (Y/N) N
 Calibration ID: 23237

	BCM		DFB		CBZ			
	AREA #	RT #	AREA #	RT #	AREA #	RT #		
12/24 HOUR STD	209503	10.03	1101736	11.43	959641	15.51		
UPPER LIMIT	293304	10.36	1542430	11.76	1343497	15.84		
LOWER LIMIT	125702	9.70	661042	11.10	575785	15.18		
LAB SAMPLE ID	CLIENT SAMPLE ID							
LCS 200-61708/3			236298	10.03	1243283	11.43	1117755	15.51
MB 200-61708/4			243446	10.03	1312779	11.43	1102549	15.51
200-18574-4	2602		226981	10.03	1215209	11.43	1026288	15.51

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = ± 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.: 200-18574-1
 SDG No.: _____
 Client Sample ID: 2602 Lab Sample ID: 200-18574-4
 Matrix: Air Lab File ID: blci005.d
 Analysis Method: TO-15 Date Collected: 09/24/2013 00:00
 Sample wt/vol: 1000(mL) Date Analyzed: 09/25/2013 15:14
 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.: 61708 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	0.040	U	0.040	0.040
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: TestAmerica Burlington Job No.: 200-18574-1
 SDG No.: _____
 Client Sample ID: 2602 Lab Sample ID: 200-18574-4
 Matrix: Air Lab File ID: blci005.d
 Analysis Method: TO-15 Date Collected: 09/24/2013 00:00
 Sample wt/vol: 1000(mL) Date Analyzed: 09/25/2013 15:14
 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.: 61708 Units: ppb v/v

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)	0.040	U	0.040	0.040
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.: 200-18574-1
 SDG No.: _____
 Client Sample ID: 2602 Lab Sample ID: 200-18574-4
 Matrix: Air Lab File ID: blci005.d
 Analysis Method: TO-15 Date Collected: 09/24/2013 00:00
 Sample wt/vol: 1000(mL) Date Analyzed: 09/25/2013 15:14
 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.: 61708 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

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-18574-4
 Client Smp ID: 2602
 Inj Date : 25-SEP-2013 15:14
 Operator : bl Inst ID: B.i
 Smp Info : 200-18574-A-4
 Misc Info : 1000,0.2, all174+MN
 Comment :
 Method : /chem/B.i/Bsvr.p/blcito15.b/to15v5.m
 Meth Date : 26-Sep-2013 10:18 lyonsb Quant Type: ISTD
 Cal Date : 11-SEP-2013 17:11 Cal File: blc008.d
 Als bottle: 4
 Dil Factor: 0.20000
 Integrator: HP RTE Compound Sublist: all174+MN.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT	SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
									ON-COLUMN	FINAL
	MASS								(ppb v/v)	(ppb v/v)
1 Propene	41									
2 Dichlorodifluoromethane	85									
3 Chlorodifluoromethane	51									
4 1,2-Dichloro-1,1,2,2-tetraflu	85									
5 Chloromethane	50									
6 Butane	43									
7 Vinyl chloride	62									
8 1,3-Butadiene	54									
9 Bromomethane	94									
10 Chloroethane	64									
12 Vinyl bromide	106									
13 Trichlorofluoromethane	101									
15 Ethanol	45									
17 1,1,2-Trichloro-1,2,2-trifluo	101									

Compounds	QUANT	SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
									ON-COLUMN	FINAL
	MASS								(ppb v/v)	(ppb v/v)
19 1,1-Dichloroethene	96									
20 Acetone	43		6.810	6.789	(0.679)			4990	0.12097	0.024(a)
21 Carbon disulfide	76									
22 Isopropanol	45									
23 Allyl chloride	41									
25 Methylene chloride	49									
26 Tert-butyl alcohol	59									
27 Methyl tert-butyl ether	73									
28 1,2-Dichloroethene (trans)	61									
30 n-Hexane	57									
31 1,1-Dichloroethane	63									
32 Vinyl acetate	43									
M 33 1,2-Dichloroethene,Total	61									
34 1,2-Dichloroethene (cis)	96									
35 Ethyl acetate	88									
36 Methyl Ethyl Ketone	72									
* 37 Bromochloromethane	128		10.028	10.034	(1.000)			226981	10.0000	(Q)
38 Tetrahydrofuran	42									
39 Chloroform	83									
40 Cyclohexane	84									
41 1,1,1-Trichloroethane	97									
42 Carbon tetrachloride	117									
43 2,2,4-Trimethylpentane	57									
44 Benzene	78									
45 1,2-Dichloroethane	62									
46 n-Heptane	43									
* 47 1,4-Difluorobenzene	114		11.427	11.437	(1.000)			1215209	10.0000	
49 Trichloroethene	95									
50 1,2-Dichloropropane	63									
51 Methyl methacrylate	69									
53 1,4-Dioxane	88									
54 Bromodichloromethane	83									
55 1,3-Dichloropropene (cis)	75									
56 Methyl isobutyl ketone	43									
58 Toluene	92									
59 1,3-Dichloropropene (trans)	75									
60 1,1,2-Trichloroethane	83									
61 Tetrachloroethene	166									
62 2-Hexanone	43									
63 Dibromochloromethane	129									
64 1,2-Dibromoethane	107									
* 65 Chlorobenzene-d5	117		15.509	15.515	(1.000)			1026288	10.0000	
66 Chlorobenzene	112									
68 Ethylbenzene	91									
69 Xylene (m,p)	106									
M 70 Xylenes, Total	106									
71 Xylene (o)	106									

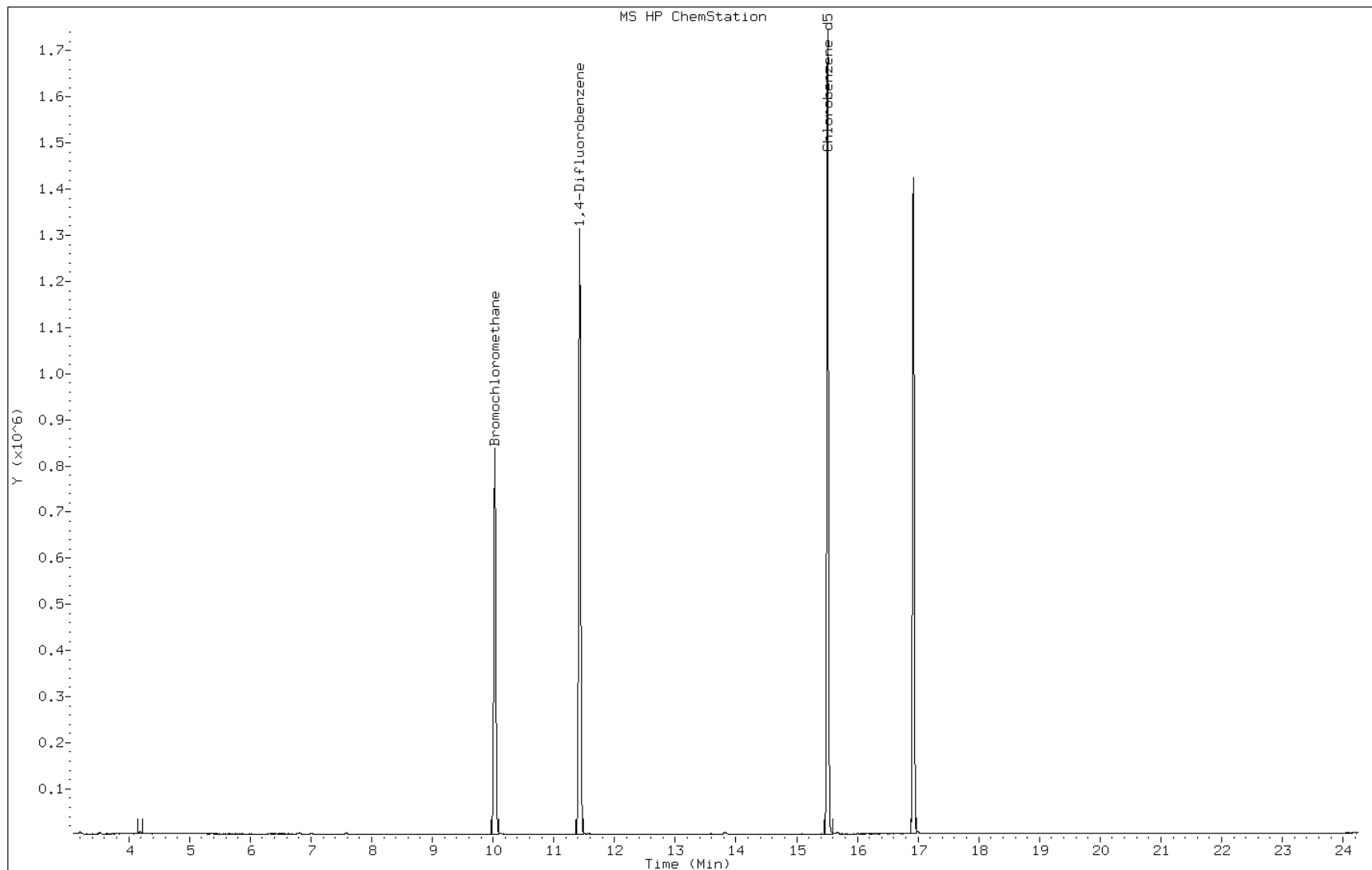
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104						
73 Bromoform	173						
74 Isopropylbenzene	105						
75 1,1,2,2-Tetrachloroethane	83						
76 n-Propylbenzene	91						
79 4-Ethyltoluene	105						
80 2-Chlorotoluene	91						
81 1,3,5-Trimethylbenzene	105						
83 tert-butylbenzene	119						
84 1,2,4-Trimethylbenzene	105						
85 sec-Butylbenzene	105						
86 4-Isopropyltoluene	119						
87 1,3-Dichlorobenzene	146						
88 1,4-Dichlorobenzene	146						
89 Benzyl chloride	91						
91 n-Butylbenzene	91						
92 1,2-Dichlorobenzene	146						
94 1,2,4-Trichlorobenzene	180						
95 1,3-Hexachlorobutadiene	225						
96 Naphthalene	128						

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: blci005.d
Client ID: 2602
Operator: bl
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-18574-A-4
Lab Sample ID: 200-18574-4

Date: 25-SEP-2013 15:14
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



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

Lab Name: TestAmerica Burlington Job No.: 200-18574-1 Analy Batch No.: 61039

SDG No.: _____

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

Calibration Start Date: 09/11/2013 13:41 Calibration End Date: 09/11/2013 21:32 Calibration ID: 23237

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-61039/4	blc004.d
Level 2	IC 200-61039/5	blc005.d
Level 3	IC 200-61039/13	blc013.d
Level 4	IC 200-61039/7	blc007.d
Level 5	ICIS 200-61039/8	blc008.d
Level 6	IC 200-61039/9	blc009.d
Level 7	IC 200-61039/10	blc010.d
Level 8	IC 200-61039/11	blc011.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								
Propylene	0.7831	0.7568	0.9437 0.6992	0.9537	0.9198	Ave		0.8427			13.0		30.0				
Dichlorodifluoromethane	2.1867	2.1367	2.1629 2.0372	2.5393	2.5056	Ave		2.2614			9.2		30.0				
Freon 22	1.4441	1.4050	1.4250 1.3211	1.7531	1.6938	Ave		1.5070			11.5		30.0				
1,2-Dichlorotetrafluoroethane	2.5427	2.4789	2.5441 2.3351	2.9393	2.9183	Ave		2.6631			9.2		30.0				
Chloromethane	0.9328	0.8890	0.9104 0.8385	1.1191	1.0720	Ave		0.9603			11.5		30.0				
n-Butane	1.7300	1.6460	1.7036 1.5068	2.0398	1.9981	Ave		1.7707			11.7		30.0				
Vinyl chloride	1.3862 1.1298	1.2209 1.0958	1.0925 1.0270	1.2789	1.2937	Ave		1.1906			10.4		30.0				
1,3-Butadiene	0.8834	0.9996 0.8582	0.8165 0.7982	1.0014	1.0139	Ave		0.9102			10.2		30.0				
Bromomethane	1.0083	0.9910 1.0226	1.0544 0.9949	1.0465	1.0981	Ave		1.0308			3.7		30.0				
Chloroethane	0.6851	0.6893	0.7122 0.6640	0.7080	0.7492	Ave		0.7013			4.2		30.0				
Isopentane	1.6609	1.8360 1.6429	1.6719 1.5497	1.7680	1.8430	Ave		1.7103			6.4		30.0				
Bromoethene (Vinyl Bromide)	0.9876	0.9740 1.0087	1.0235 0.9927	1.0021	1.0466	Ave		1.0050			2.4		30.0				
Trichlorofluoromethane	2.3535	2.3598 2.3916	2.4121 2.3414	2.4651	2.5466	Ave		2.4100			3.1		30.0				
n-Pentane	2.5106	2.5193	2.4369 2.4313	2.5820	2.7203	Ave		2.5334			4.2		30.0				

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

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

Lab Name: TestAmerica Burlington Job No.: 200-18574-1 Analy Batch No.: 61039

SDG No.: _____

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

Calibration Start Date: 09/11/2013 13:41 Calibration End Date: 09/11/2013 21:32 Calibration ID: 23237

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	0.6441	0.6104	0.6706 0.5752	0.6644	0.6588	Ave		0.6372			5.8		30.0				
Ethyl ether	0.9588	0.8644 0.9736	0.9330 0.9513	0.9505	1.0127	Ave		0.9492			4.7		30.0				
Freon TF	1.9930	1.9091 2.0498	2.0252 2.0252	2.0055	2.1071	Ave		2.0164			3.0		30.0				
Acrolein	0.5702	0.5783	+++++ 0.5655	0.5677	0.6091	Ave		0.5782			3.1		30.0				
1,1-Dichloroethene	0.9950	0.9687 1.0267	1.0340 1.0165	0.9929	1.0446	Ave		1.0112			2.7		30.0				
Acetone	1.7279	1.7401	+++++ 1.6497	1.9653	2.0035	Ave		1.8173			8.6		30.0				
Isopropyl alcohol	1.6275	1.6103	+++++ 1.5031	1.7352	1.7762	Ave		1.6505			6.6		30.0				
Carbon disulfide	3.5036	3.5783	3.4916 3.5085	3.5580	3.7244	Ave		3.5607			2.4		30.0				
3-Chloropropene	1.6571	1.6466 1.6631	1.5503 1.6067	1.6944	1.7948	Ave		1.6590			4.6		30.0				
Acetonitrile	1.0515	1.0374	+++++ 0.9834	1.1145	1.1460	Ave		1.0666			6.0		30.0				
Methylene Chloride	1.3765	1.3762	1.4839 1.3275	1.4608	1.5001	Ave		1.4208			4.9		30.0				
tert-Butyl alcohol	2.1854	2.1838	+++++ 2.1212	2.2569	2.3389	Ave		2.2172			3.8		30.0				
Methyl tert-butyl ether	3.2744	2.9981 3.3562	3.1818 3.2795	3.2662	3.4592	Ave		3.2594			4.4		30.0				
trans-1,2-Dichloroethene	1.8218	1.7551 1.8518	1.7643 1.8142	1.8729	1.9579	Ave		1.8340			3.8		30.0				
Acrylonitrile	1.0351	1.0434	0.9702 1.0132	1.0654	1.1186	Ave		1.0410			4.8		30.0				
n-Hexane	2.1802	2.0538 2.2047	2.1273 2.1477	2.2227	2.3336	Ave		2.1814			4.0		30.0				
1,1-Dichloroethane	2.5046	2.2225 2.3046	2.2736 2.2271	2.3362	2.4437	Ave		2.3221			4.4		30.0				
Vinyl acetate	3.6435	3.6460	+++++ 3.4940	3.7173	3.9491	Ave		3.6900			4.5		30.0				
cis-1,2-Dichloroethene	1.1915	1.1305 1.2239	1.1745 1.1904	1.2034	1.2626	Ave		1.1967			3.4		30.0				
Ethyl acetate	0.1128	0.1164	+++++ 0.1124	0.1122	0.1199	Ave		0.1147			2.9		30.0				

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

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

Lab Name: TestAmerica Burlington Job No.: 200-18574-1 Analy Batch No.: 61039

SDG No.: _____

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

Calibration Start Date: 09/11/2013 13:41 Calibration End Date: 09/11/2013 21:32 Calibration ID: 23237

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								
Methyl Ethyl Ketone	0.6608	0.6778	0.8684 0.6449	0.6713	0.7098	Ave		0.7055			11.7		30.0				
Tetrahydrofuran	0.3218	0.3211	+++++	0.3314	0.3491	Ave		0.3266			4.5		30.0				
Chloroform	2.2464	2.1948 2.2893	2.2158 2.2367	2.3135	2.4100	Ave		2.2724			3.2		30.0				
Cyclohexane	0.3441	0.2983 0.3584	0.3306 0.3562	0.3369	0.3613	Ave		0.3408			6.5		30.0				
1,1,1-Trichloroethane	0.4233	0.3933 0.4373	0.4094 0.4323	0.4261	0.4471	Ave		0.4241			4.2		30.0				
Carbon tetrachloride	0.4118 0.4253	0.4013 0.4423	0.4090 0.4416	0.4226	0.4459	Ave		0.4250			4.0		30.0				
2,2,4-Trimethylpentane	1.3753	1.2294 1.4088	1.2639 1.3832	1.3668	1.4545	Ave		1.3546			5.9		30.0				
Benzene	0.7823	0.7917 0.8078	0.7869 0.7979	0.7910	0.8287	Ave		0.7980			2.0		30.0				
1,2-Dichloroethane	0.2819	0.2769 0.2861	0.2689 0.2796	0.2888	0.3028	Ave		0.2836			3.8		30.0				
n-Heptane	0.5275	0.4679 0.5326	0.4705 0.5168	0.5396	0.5678	Ave		0.5175			7.1		30.0				
n-Butanol	0.1631	0.1673	+++++	0.1657	0.1767	Ave		0.1676			3.2		30.0				
Trichloroethene	0.3239 0.3067	0.2880 0.3178	0.3032 0.3165	0.3027	0.3227	Ave		0.3102			3.9		30.0				
1,2-Dichloropropane	0.3151	0.3017 0.3230	0.2977 0.3148	0.3159	0.3360	Ave		0.3149			4.1		30.0				
Methyl methacrylate	0.3078	0.2633 0.3180	0.2988 0.3135	0.3233	0.3233	Ave		0.3041			7.1		30.0				
1,4-Dioxane	0.1123	0.1149	+++++	0.1185	0.1262	Ave		0.1163			5.5		30.0				
Dibromomethane	0.2450	0.2329 0.2558	0.2436 0.2585	0.2380	0.2537	Ave		0.2468			3.9		30.0				
Bromodichloromethane	0.5022	0.4680 0.5160	0.4703 0.5101	0.5041	0.5345	Ave		0.5008			4.8		30.0				
cis-1,3-Dichloropropene	0.4422	0.3808 0.4543	0.4038 0.4528	0.4304	0.4601	Ave		0.4321			6.8		30.0				
methyl isobutyl ketone	0.6638	0.5437 0.6687	0.6657 0.6576	0.7260	0.7260	Ave		0.6543			9.1		30.0				
n-Octane	0.7559	0.6439 0.7586	0.6582 0.7314	0.7793	0.8250	Ave		0.7360			8.8		30.0				

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

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

Lab Name: TestAmerica Burlington Job No.: 200-18574-1 Analy Batch No.: 61039

SDG No.: _____

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

Calibration Start Date: 09/11/2013 13:41 Calibration End Date: 09/11/2013 21:32 Calibration ID: 23237

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														
Toluene	0.6118	0.5825 0.6169	0.6102 0.6206	0.6069	0.6296	Ave	0.6112				2.4		30.0				
trans-1,3-Dichloropropene	0.4399	0.3774 0.4559	0.4008 0.4509	0.4318	0.4670	Ave	0.4320				7.4		30.0				
1,1,2-Trichloroethane	0.3121	0.2782 0.3114	0.2935 0.3129	0.3053	0.3200	Ave	0.3048				4.7		30.0				
Tetrachloroethene	0.4491 0.4361	0.4016 0.4444	0.4347 0.4609	0.4138	0.4406	Ave	0.4351				4.4		30.0				
Methyl Butyl Ketone (2-Hexanone)	0.7201	0.7064	0.5932 0.7050	0.7075	0.7712	Ave	0.7006				8.3		30.0				
Dibromochloromethane	0.5330	0.4508 0.5413	0.4885 0.5530	0.5054	0.5431	Ave	0.5164				7.1		30.0				
1,2-Dibromoethane	0.5095	0.4610 0.5113	0.4834 0.5166	0.4885	0.5181	Ave	0.4983				4.3		30.0				
Chlorobenzene	0.7889	0.7341 0.7945	0.7787 0.8082	0.7670	0.8068	Ave	0.7826				3.3		30.0				
n-Nonane	0.7955	0.6659 0.7803	0.7118 0.7374	0.7791	0.8308	Ave	0.7573				7.4		30.0				
Ethylbenzene	1.3789	1.2360 1.3753	1.3148 1.3184	1.3472	1.4193	Ave	1.3414				4.4		30.0				
m,p-Xylene	0.5241	0.4419 0.5276	0.4794 0.5237	0.5009	0.5341	Ave	0.5045				6.6		30.0				
Xylene, o-	0.5060	0.4212 0.5076	0.4640 0.5143	0.4844	0.5165	Ave	0.4877				7.1		30.0				
Styrene	0.8250	0.6242 0.8298	0.7094 0.8481	0.7874	0.8422	Ave	0.7809				10.8		30.0				
Bromoform	0.5314	0.4216 0.5431	0.4725 0.5697	0.5051	0.5423	Ave	0.5123				9.9		30.0				
Cumene	1.4468	1.1972 1.4564	1.3333 1.4656	1.4145	1.4924	Ave	1.4009				7.4		30.0				
1,1,2,2-Tetrachloroethane	0.8371	0.7358 0.8340	0.7851 0.8235	0.8342	0.8734	Ave	0.8176				5.4		30.0				
n-Propylbenzene	1.8632	1.5232 1.8546	1.6742 1.7860	1.8212	1.9278	Ave	1.7786				7.7		30.0				
1,2,3-Trichloropropane	0.6459	0.5918 0.6394	0.6076	0.6364	0.6761	Ave	0.6329				4.7		30.0				
n-Decane	1.0324	0.9837	0.8123 0.9058	0.9953	1.1053	Ave	0.9725				10.5		30.0				
4-Ethyltoluene	1.5077	1.1131 1.5175	1.3207 1.4780	1.4405	1.5590	Ave	1.4195				10.9		30.0				

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

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

Lab Name: TestAmerica Burlington Job No.: 200-18574-1 Analy Batch No.: 61039

SDG No.: _____

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

Calibration Start Date: 09/11/2013 13:41 Calibration End Date: 09/11/2013 21:32 Calibration ID: 23237

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	1.2408	1.0531 1.2395	1.0987 1.2318	1.2412	1.3013	Ave		1.2009			7.5		30.0				
1,3,5-Trimethylbenzene	1.2218	0.9755 1.2277	1.0949 1.1762	1.1889	1.2637	Ave		1.1641			8.5		30.0				
Alpha Methyl Styrene	0.6312	0.4034 0.6329	0.4909 0.6298	0.5902	0.6496	Ave		0.5754			16.2		30.0				
tert-Butylbenzene	1.1296	0.9221 1.1379	1.0463 1.1122	1.1054	1.1859	Ave		1.0913			7.8		30.0				
1,2,4-Trimethylbenzene	1.2163	0.8794 1.2089	1.0623 1.1894	1.1794	1.2774	Ave		1.1447			11.7		30.0				
sec-Butylbenzene	1.8044	1.4269 1.7953	1.6984 1.7293	1.7947	1.9312	Ave		1.7400			9.0		30.0				
4-Isopropyltoluene	1.4814	1.0446 1.4579	1.2563 1.4335	1.4370	1.5882	Ave		1.3856			13.0		30.0				
1,3-Dichlorobenzene	0.7784	0.5523 0.7790	0.6749 0.7747	0.7485	0.8139	Ave		0.7317			12.3		30.0				
1,4-Dichlorobenzene	0.7712	0.5177 0.7685	0.6372 0.7654	0.7279	0.8004	Ave		0.7126			14.1		30.0				
Benzyl chloride	1.1318	0.6552 1.1288	0.8131 1.0986	1.0698	1.1915	Ave		1.0127			19.7		30.0				
n-Undecane	1.0606	0.8833	++++ 1.0653	1.0321	1.2409	Ave		1.0564			12.0		30.0				
n-Butylbenzene	1.4472	0.8465 1.3552	1.0930 1.3968	1.4246	1.6104	Ave		1.3105			19.5		30.0				
1,2-Dichlorobenzene	0.7401	0.5167 0.7336	0.6349 0.7287	0.7199	0.7913	Ave		0.6951			13.1		30.0				
n-Dodecane	0.9672	0.4924	++++ 0.9074	0.6094	1.0025	Ave		0.7958			28.9		30.0				
1,2,4-Trichlorobenzene	0.4971	0.4249	0.1959 0.5786	0.3443	0.5237	Ave		0.4274			32.7	*	30.0				
Hexachlorobutadiene	0.5221	0.3523 0.4963	0.4396 0.5799	0.4820	0.5780	Ave		0.4929			16.2		30.0				
Naphthalene	1.1270	0.7944	0.3448 1.2130	0.7069	1.1607	Ave		0.8912			38.0	*	30.0				
1,2,3-Trichlorobenzene	0.4515	0.0352 0.3545	0.1709 0.4873	0.2973	0.4671	Ave		0.3234			52.3	*	30.0				

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

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

Lab Name: TestAmerica Burlington Job No.: 200-18574-1 Analy Batch No.: 61039

SDG No.: _____

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

Calibration Start Date: 09/11/2013 13:41 Calibration End Date: 09/11/2013 21:32 Calibration ID: 23237

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-61039/4	blc004.d
Level 2	IC 200-61039/5	blc005.d
Level 3	IC 200-61039/13	blc013.d
Level 4	IC 200-61039/7	blc007.d
Level 5	ICIS 200-61039/8	blc008.d
Level 6	IC 200-61039/9	blc009.d
Level 7	IC 200-61039/10	blc010.d
Level 8	IC 200-61039/11	blc011.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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	443157	603298	19719 1195720	154385	317113	15.0	20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	1237522	1703398	45194 3483804	411041	863882	15.0	20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	817232	1120128	29775 2259141	283781	583974	15.0	20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	1438935	18463 1976195	53159 3993199	475795	1006160	15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	527887	708760	19024 1433922	181161	369593	15.0	20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	979029	1312229	35598 2576795	330189	688884	15.0	20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	1817 639372	7818 873616	22829 1756341	207015	446034	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	499922	6401 684208	17060 1365056	162096	349583	15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	570592	6346 815198	22031 1701435	169403	378591	15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	387721	549488	14881 1135538	114614	258305	15.0	20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	939958	11757 1309789	34934 2650107	286193	635429	15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene (Vinyl Bromide)	BCM	Ave	558895	6237 804132	21387 1697629	162214	360852	15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	1331914	15111 1906659	50402 4004044	399036	878025	15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	1420767	50919 2008459	4157851	417960	937890	15.0	20.0	0.500 40.0	5.00	10.0
Ethanol	BCM	Ave	485980	140130 973218	215104 2459074	340686		20.0	40.0	5.00 100	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-18574-1 Analy Batch No.: 61039

SDG No.: _____

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

Calibration Start Date: 09/11/2013 13:41 Calibration End Date: 09/11/2013 21:32 Calibration ID: 23237

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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave		5535	19495	153866	349155		0.200	0.500	5.00	10.0
			542598	776155	1626776			15.0	20.0	40.0		
Freon TF	BCM	Ave		12225	42317	324634	726483		0.200	0.500	5.00	10.0
			1127857	1634106	3463229			15.0	20.0	40.0		
Acrolein	BCM	Ave			++++	91901	209996			++++	5.00	10.0
			322688	461033	967111			15.0	20.0	40.0		
1,1-Dichloroethene	BCM	Ave		6203	21605	160726	360166		0.200	0.500	5.00	10.0
			563094	818538	1738317			15.0	20.0	40.0		
Acetone	BCM	Ave			++++	318125	690751			++++	5.00	10.0
			977862	1387262	2821158			15.0	20.0	40.0		
Isopropyl alcohol	BCM	Ave			++++	280880	612407			++++	5.00	10.0
			921049	1283763	2570522			15.0	20.0	40.0		
Carbon disulfide	BCM	Ave			72958	575946	1284077			0.500	5.00	10.0
			1982756	2852646	5999868			15.0	20.0	40.0		
3-Chloropropene	BCM	Ave		10544	32394	274281	618805		0.200	0.500	5.00	10.0
			937785	1325814	2747599			15.0	20.0	40.0		
Acetonitrile	BCM	Ave			++++	180409	395112			++++	5.00	10.0
			595047	827022	1681741			15.0	20.0	40.0		
Methylene Chloride	BCM	Ave			31007	236465	517193			0.500	5.00	10.0
			779001	1097136	2270164			15.0	20.0	40.0		
tert-Butyl alcohol	BCM	Ave			++++	365327	806406			++++	5.00	10.0
			1236764	1740929	3627437			15.0	20.0	40.0		
Methyl tert-butyl ether	BCM	Ave		19199	66485	528719	1192660		0.200	0.500	5.00	10.0
			1853062	2675629	5608326			15.0	20.0	40.0		
trans-1,2-Dichloroethene	BCM	Ave		11239	36866	303170	675044		0.200	0.500	5.00	10.0
			1030977	1476291	3102425			15.0	20.0	40.0		
Acrylonitrile	BCM	Ave			20272	172453	385672			0.500	5.00	10.0
			585788	831812	1732714			15.0	20.0	40.0		
n-Hexane	BCM	Ave		13152	44450	359792	804575		0.200	0.500	5.00	10.0
			1233789	1757644	3672830			15.0	20.0	40.0		
1,1-Dichloroethane	BCM	Ave	3283	14232	47507	378171	842528	0.0400	0.200	0.500	5.00	10.0
			1281763	1837288	3808605			15.0	20.0	40.0		
Vinyl acetate	BCM	Ave			++++	601743	1361567			++++	5.00	10.0
			2061940	2906638	5975072			15.0	20.0	40.0		
cis-1,2-Dichloroethene	BCM	Ave		7239	24541	194799	435310		0.200	0.500	5.00	10.0
			674309	975746	2035741			15.0	20.0	40.0		
Ethyl acetate	BCM	Ave			++++	18169	41328			++++	5.00	10.0
			63850	92799	192165			15.0	20.0	40.0		
Methyl Ethyl Ketone	BCM	Ave			18145	108667	244720			0.500	5.00	10.0
			373931	540361	1102862			15.0	20.0	40.0		
Tetrahydrofuran	DFB	Ave			++++	278974	617041			++++	5.00	10.0
			921269	1283629	2635120			15.0	20.0	40.0		

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

Lab Name: TestAmerica Burlington Job No.: 200-18574-1 Analy Batch No.: 61039

SDG No.: _____

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

Calibration Start Date: 09/11/2013 13:41 Calibration End Date: 09/11/2013 21:32 Calibration ID: 23237

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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave		14055	46300	374491	830908		0.200	0.500	5.00	10.0
			1271252	1825070	3825057			15.0	20.0	40.0		
Cyclohexane	DFB	Ave		9878	35635	283606	638485		0.200	0.500	5.00	10.0
			985019	1432629	3030571			15.0	20.0	40.0		
1,1,1-Trichloroethane	DFB	Ave		13024	44133	358664	790130		0.200	0.500	5.00	10.0
			1211812	1748253	3677552			15.0	20.0	40.0		
Carbon tetrachloride	DFB	Ave		2789	44085	355775	787963	0.0400	0.200	0.500	5.00	10.0
			1217592	1767975	3757082			15.0	20.0	40.0		
2,2,4-Trimethylpentane	DFB	Ave		40711	136238	1150538	2570603		0.200	0.500	5.00	10.0
			3936837	5631575	11768020			15.0	20.0	40.0		
Benzene	DFB	Ave		26216	84821	665890	1464590		0.200	0.500	5.00	10.0
			2239368	3229188	6787958			15.0	20.0	40.0		
1,2-Dichloroethane	DFB	Ave		9168	28986	243099	535171		0.200	0.500	5.00	10.0
			807093	1143725	2378842			15.0	20.0	40.0		
n-Heptane	DFB	Ave		15493	50713	454248	1003449		0.200	0.500	5.00	10.0
			1510072	2128973	4396694			15.0	20.0	40.0		
n-Butanol	DFB	Ave		+++++	1405163	139503	312268		+++++	+++++	5.00	10.0
			466919	668779	1405163			15.0	20.0	40.0		
Trichloroethene	DFB	Ave		2194	32686	254801	570238	0.0400	0.200	0.500	5.00	10.0
			878031	1270275	2692318			15.0	20.0	40.0		
1,2-Dichloropropane	DFB	Ave		9990	32092	265926	593795		0.200	0.500	5.00	10.0
			902124	1291031	2678487			15.0	20.0	40.0		
Methyl methacrylate	DFB	Ave		28377	571335	251553	571335		0.500	0.500	5.00	10.0
			881011	1271137	2667200			15.0	20.0	40.0		
1,4-Dioxane	DFB	Ave		+++++	99762	223015			+++++	+++++	5.00	10.0
			321611	459206	933035			15.0	20.0	40.0		
Dibromomethane	DFB	Ave		7711	26264	200381	448339		0.200	0.500	5.00	10.0
			701407	1022513	2198925			15.0	20.0	40.0		
Bromodichloromethane	DFB	Ave		15497	50693	424365	944711		0.200	0.500	5.00	10.0
			1437636	2062651	4339993			15.0	20.0	40.0		
cis-1,3-Dichloropropene	DFB	Ave		12609	43527	362316	813232		0.200	0.500	5.00	10.0
			1265713	1815909	3852141			15.0	20.0	40.0		
methyl isobutyl ketone	DFB	Ave		58608	560408	1283038			0.500	0.500	5.00	10.0
			1900133	2673222	5594653			15.0	20.0	40.0		
n-Octane	DFB	Ave		21322	70955	655984	1458061		0.200	0.500	5.00	10.0
			2163873	3032394	6222189			15.0	20.0	40.0		
Toluene	CBZ	Ave		17182	57732	463163	1026330		0.200	0.500	5.00	10.0
			1567735	2267400	4769606			15.0	20.0	40.0		
trans-1,3-Dichloropropene	DFB	Ave		12498	43203	363506	825271		0.200	0.500	5.00	10.0
			1259127	1822581	3836296			15.0	20.0	40.0		
1,1,2-Trichloroethane	CBZ	Ave		8207	27764	233020	521586		0.200	0.500	5.00	10.0
			799702	1144479	2404789			15.0	20.0	40.0		

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

Lab Name: TestAmerica Burlington Job No.: 200-18574-1 Analy Batch No.: 61039

SDG No.: _____

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

Calibration Start Date: 09/11/2013 13:41 Calibration End Date: 09/11/2013 21:32 Calibration ID: 23237

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	2692 1117385	11847 1633395	41124 3541956	315779	718254	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	1845147	2596414	56121 5417849	539928	1257087	15.0	20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	1365857	13298 1989527	46216 4249720	385718	885255	15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	13600 1305630	13600 1879472	45731 3970128	372762	844579	15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	2021363	21654 2920328	73668 6211561	585341	1315146	15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	19643 2038449	19643 2868179	67341 5667528	594598	1354329	15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	3533167	36461 5054847	124390 10132498	1028075	2313646	15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	26072 2686120	26072 3878401	90707 8048985	764591	1741202	30.0	0.400 40.0	1.00 80.0	10.0	20.0
Xylene, o-	CBZ	Ave	1296518	12424 1865783	43898 3952848	369661	842015	15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	18414 2113857	18414 3050125	67113 6517736	600932	1372939	15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	1361704	12436 1996326	44701 4378740	385446	884068	15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	35316 3707142	35316 5353175	126137 11263846	1079469	2432891	15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	2144891	21706 3065232	74271 6328885	636652	1423768	15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	44933 4774204	44933 6816522	158386 13725875	1389864	3142602	15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	1655079	2350315	55988 4669409	485697	1102114	15.0	20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	2645327	76853 3615649	6961390	759539	1801834	15.0	20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	3863353	32834 5577740	124949 11358753	1099344	2541440	15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	31064 3179353	31064 4555768	103946 9466887	947241	2121312	15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	3130607	28775 4512477	103583 9039459	907340	2060079	15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	11899 1617397	11899 2326389	46441 4840337	450392	1058877	15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	27202 2894398	27202 4182410	98983 8547445	843573	1933150	15.0	0.200 20.0	0.500 40.0	5.00	10.0

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

Lab Name: TestAmerica Burlington Job No.: 200-18574-1 Analy Batch No.: 61039

SDG No.: _____

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

Calibration Start Date: 09/11/2013 13:41 Calibration End Date: 09/11/2013 21:32 Calibration ID: 23237

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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	3116532	25940 4443457	100502 9141200	900059	2082297	15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	4623573	42093 6598771	160677 13290410	1369627	3148175	15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	3795989	30815 5358739	118852 11016700	1096606	2588993	15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	1994450	16292 2863087	63852 5953721	571231	1326691	15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	1976229	15271 2824545	60281 5882717	555530	1304786	15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	2900000	19328 4148973	76927 8443373	816405	1942322	15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	2717571	3246659	8187403	787614	2022882	15.0	20.0	+++++	5.00	10.0
n-Butylbenzene	CBZ	Ave	3708270	24971 4981061	103406 10734651	1087213	2625187	15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	1896404	15243 2696539	60067 5600725	549419	1289916	15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	2478361	1809742	6973354	465096	1634213	15.0	20.0	+++++	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	1273753	1561616	18530 4446980	262721	853655	15.0	20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	1337896	10392 1824273	41592 4456625	367811	942145	15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	2887805	2920031	32623 9322728	539473	1892142	15.0	20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	1156899	1039 1302959	16164 3744983	226894	761360	15.0	0.200 20.0	0.500 40.0	5.00	10.0

Curve Type Legend:

Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-18574-1
 SDG No.: _____
 Lab Sample ID: ICV 200-61039/16 Calibration Date: 09/12/2013 00:08
 Instrument ID: B.i Calib Start Date: 09/11/2013 13:41
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/11/2013 21:32
 Lab File ID: blc016.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	0.8427	0.8606		10.2	10.0	2.1	30.0
Dichlorodifluoromethane	Ave	2.261	2.405		10.6	10.0	6.3	30.0
Freon 22	Ave	1.507	1.619		10.7	10.0	7.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.663	2.810		10.6	10.0	5.5	30.0
Chloromethane	Ave	0.9603	1.043		10.9	10.0	8.6	30.0
n-Butane	Ave	1.771	1.899		10.7	10.0	7.3	30.0
Vinyl chloride	Ave	1.191	1.245		10.5	10.0	4.6	30.0
1,3-Butadiene	Ave	0.9102	1.003		11.0	10.0	10.1	30.0
Bromomethane	Ave	1.031	1.034		10.0	10.0	0.3	30.0
Chloroethane	Ave	0.7013	0.7110		10.1	10.0	1.4	30.0
Isopentane	Ave	1.710	1.745		10.2	10.0	2.0	30.0
Bromoethene (Vinyl Bromide)	Ave	1.005	1.046		10.4	10.0	4.1	30.0
Trichlorofluoromethane	Ave	2.410	2.502		10.4	10.0	3.8	30.0
n-Pentane	Ave	2.533	2.508		9.90	10.0	-1.0	30.0
Ethanol	Ave	0.6372	0.4887		11.5	15.0	-23.3	30.0
Ethyl ether	Ave	0.9492	0.9364		9.86	10.0	-1.4	30.0
Acrolein	Ave	0.5782	0.4580		7.92	10.0	-20.8	30.0
Freon TF	Ave	2.016	2.261		11.2	10.0	12.1	30.0
1,1-Dichloroethene	Ave	1.011	1.145		11.3	10.0	13.3	30.0
Acetone	Ave	1.817	1.963		10.8	10.0	8.0	30.0
Isopropyl alcohol	Ave	1.650	1.808		11.0	10.0	9.5	30.0
Carbon disulfide	Ave	3.561	3.716		10.4	10.0	4.3	30.0
3-Chloropropene	Ave	1.659	1.730		10.4	10.0	4.3	30.0
Acetonitrile	Ave	1.067	1.098		10.3	10.0	2.9	30.0
Methylene Chloride	Ave	1.421	1.538		10.8	10.0	8.2	30.0
tert-Butyl alcohol	Ave	2.217	2.334		10.5	10.0	5.3	30.0
Methyl tert-butyl ether	Ave	3.259	3.438		10.5	10.0	5.5	30.0
trans-1,2-Dichloroethene	Ave	1.834	1.914		10.4	10.0	4.3	30.0
Acrylonitrile	Ave	1.041	1.110		10.7	10.0	6.6	30.0
n-Hexane	Ave	2.181	2.302		10.6	10.0	5.5	30.0
1,1-Dichloroethane	Ave	2.322	2.386		10.3	10.0	2.8	30.0
Vinyl acetate	Ave	3.690	3.747		10.2	10.0	1.5	30.0
cis-1,2-Dichloroethene	Ave	1.197	1.273		10.6	10.0	6.4	30.0
Ethyl acetate	Ave	0.1147	0.1165		10.2	10.0	1.6	30.0
Methyl Ethyl Ketone	Ave	0.7055	0.7243		10.3	10.0	2.7	30.0
Tetrahydrofuran	Ave	0.3266	0.3412		10.4	10.0	4.5	30.0
Chloroform	Ave	2.272	2.382		10.5	10.0	4.8	30.0
Cyclohexane	Ave	0.3408	0.3615		10.6	10.0	6.1	30.0
1,1,1-Trichloroethane	Ave	0.4241	0.4414		10.4	10.0	4.1	30.0
Carbon tetrachloride	Ave	0.4250	0.4331		10.2	10.0	1.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-18574-1
 SDG No.: _____
 Lab Sample ID: ICV 200-61039/16 Calibration Date: 09/12/2013 00:08
 Instrument ID: B.i Calib Start Date: 09/11/2013 13:41
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/11/2013 21:32
 Lab File ID: blc016.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	1.355	1.434		10.6	10.0	5.8	30.0
Benzene	Ave	0.7980	0.8205		10.3	10.0	2.8	30.0
1,2-Dichloroethane	Ave	0.2836	0.2980		10.5	10.0	5.1	30.0
n-Heptane	Ave	0.5175	0.5570		10.8	10.0	7.6	30.0
n-Butanol	Ave	0.1676	0.1710		10.2	10.0	2.0	30.0
Trichloroethene	Ave	0.3102	0.3178		10.2	10.0	2.5	30.0
1,2-Dichloropropane	Ave	0.3149	0.3188		10.1	10.0	1.2	30.0
Methyl methacrylate	Ave	0.3041	0.3153		10.4	10.0	3.7	30.0
1,4-Dioxane	Ave	0.1163	0.1218		10.5	10.0	4.7	30.0
Dibromomethane	Ave	0.2468	0.2505		10.1	10.0	1.5	30.0
Bromodichloromethane	Ave	0.5008	0.5325		10.6	10.0	6.3	30.0
cis-1,3-Dichloropropene	Ave	0.4321	0.4427		10.2	10.0	2.5	30.0
methyl isobutyl ketone	Ave	0.6543	0.7007		10.7	10.0	7.1	30.0
n-Octane	Ave	0.7360	0.7919		10.8	10.0	7.6	30.0
Toluene	Ave	0.6112	0.6411		10.5	10.0	4.9	30.0
trans-1,3-Dichloropropene	Ave	0.4320	0.4442		10.3	10.0	2.8	30.0
1,1,2-Trichloroethane	Ave	0.3048	0.3107		10.2	10.0	2.0	30.0
Tetrachloroethene	Ave	0.4351	0.4433		10.2	10.0	1.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.7006	0.7714		11.0	10.0	10.1	30.0
Dibromochloromethane	Ave	0.5164	0.5734		11.1	10.0	11.0	30.0
1,2-Dibromoethane	Ave	0.4983	0.5193		10.4	10.0	4.2	30.0
Chlorobenzene	Ave	0.7826	0.8064		10.3	10.0	3.0	30.0
n-Nonane	Ave	0.7573	0.8506		11.2	10.0	12.3	30.0
Ethylbenzene	Ave	1.341	1.447		10.8	10.0	7.9	30.0
m,p-Xylene	Ave	0.5045	0.5371		21.3	20.0	6.5	30.0
Xylene, o-	Ave	0.4877	0.5148		10.6	10.0	5.6	30.0
Styrene	Ave	0.7809	0.8446		10.8	10.0	8.2	30.0
Bromoform	Ave	0.5123	0.5681		11.1	10.0	10.9	30.0
Cumene	Ave	1.401	1.531		10.9	10.0	9.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8176	0.8528		10.4	10.0	4.3	30.0
n-Propylbenzene	Ave	1.779	1.974		11.1	10.0	11.0	30.0
1,2,3-Trichloropropane	Ave	0.6329	0.6883		10.9	10.0	8.8	30.0
n-Decane	Ave	0.9725	1.091		11.2	10.0	12.2	30.0
4-Ethyltoluene	Ave	1.420	1.617		11.4	10.0	13.9	30.0
2-Chlorotoluene	Ave	1.201	1.327		11.1	10.0	10.5	30.0
1,3,5-Trimethylbenzene	Ave	1.164	1.262		10.8	10.0	8.4	30.0
Alpha Methyl Styrene	Ave	0.5754	0.6523		11.3	10.0	13.4	30.0
tert-Butylbenzene	Ave	1.091	1.200		11.0	10.0	9.9	30.0
1,2,4-Trimethylbenzene	Ave	1.145	1.236		10.8	10.0	8.0	30.0
sec-Butylbenzene	Ave	1.740	1.916		11.0	10.0	10.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-18574-1
 SDG No.: _____
 Lab Sample ID: ICV 200-61039/16 Calibration Date: 09/12/2013 00:08
 Instrument ID: B.i Calib Start Date: 09/11/2013 13:41
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/11/2013 21:32
 Lab File ID: blc016.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	1.386	1.576		11.4	10.0	13.7	30.0
1,3-Dichlorobenzene	Ave	0.7317	0.7923		10.8	10.0	8.3	30.0
1,4-Dichlorobenzene	Ave	0.7126	0.7789		10.9	10.0	9.3	30.0
Benzyl chloride	Ave	1.013	1.143		11.3	10.0	12.9	30.0
n-Undecane	Ave	1.056	1.213		11.5	10.0	14.8	30.0
n-Butylbenzene	Ave	1.311	1.570		12.0	10.0	19.8	30.0
1,2-Dichlorobenzene	Ave	0.6951	0.7340		10.6	10.0	5.6	30.0
n-Dodecane	Ave	0.7958	1.048		13.2	10.0	31.7*	30.0
1,2,4-Trichlorobenzene	Ave	0.4274	0.4716		11.0	10.0	10.3	30.0
Hexachlorobutadiene	Ave	0.4929	0.5030		10.2	10.0	2.1	30.0
Naphthalene	Ave	0.8912	1.161		13.0	10.0	30.3*	30.0
1,2,3-Trichlorobenzene	Ave	0.3234	0.4566		14.1	10.0	41.2*	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-18574-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-61708/2 Calibration Date: 09/25/2013 11:59
 Instrument ID: B.i Calib Start Date: 09/11/2013 13:41
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/11/2013 21:32
 Lab File ID: blci002.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	0.8427	1.226		14.5	10.0	45.4*	30.0
Dichlorodifluoromethane	Ave	2.261	3.010		13.3	10.0	33.1*	30.0
Freon 22	Ave	1.507	2.145		14.2	10.0	42.3*	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.663	3.119		11.7	10.0	17.1	30.0
Chloromethane	Ave	0.9603	1.413		14.7	10.0	47.1*	30.0
n-Butane	Ave	1.771	2.768		15.6	10.0	56.3*	30.0
Vinyl chloride	Ave	1.191	1.404		11.8	10.0	17.9	30.0
1,3-Butadiene	Ave	0.9102	1.168		12.8	10.0	28.3	30.0
Bromomethane	Ave	1.031	0.9161		8.89	10.0	-11.1	30.0
Chloroethane	Ave	0.7013	0.7303		10.4	10.0	4.1	30.0
Isopentane	Ave	1.710	2.170		12.7	10.0	26.8	30.0
Bromoethene (Vinyl Bromide)	Ave	1.005	0.8735		8.69	10.0	-13.1	30.0
Trichlorofluoromethane	Ave	2.410	2.443		10.1	10.0	1.4	30.0
n-Pentane	Ave	2.533	3.673		14.5	10.0	45.0*	30.0
Ethanol	Ave	0.6372	0.8816		20.8	15.0	38.3*	30.0
Ethyl ether	Ave	0.9492	1.207		12.7	10.0	27.2	30.0
Acrolein	Ave	0.5782	0.7384		12.8	10.0	27.7	30.0
Freon TF	Ave	2.016	2.180		10.8	10.0	8.1	30.0
1,1-Dichloroethene	Ave	1.011	1.104		10.9	10.0	9.2	30.0
Acetone	Ave	1.817	2.909		16.0	10.0	60.1*	30.0
Isopropyl alcohol	Ave	1.650	2.330		14.1	10.0	41.2*	30.0
Carbon disulfide	Ave	3.561	4.202		11.8	10.0	18.0	30.0
3-Chloropropene	Ave	1.659	2.474		14.9	10.0	49.1*	30.0
Acetonitrile	Ave	1.067	1.660		15.6	10.0	55.7*	30.0
Methylene Chloride	Ave	1.421	1.948		13.7	10.0	37.1*	30.0
tert-Butyl alcohol	Ave	2.217	2.781		12.5	10.0	25.4	30.0
Methyl tert-butyl ether	Ave	3.259	3.881		11.9	10.0	19.1	30.0
trans-1,2-Dichloroethene	Ave	1.834	2.319		12.6	10.0	26.5	30.0
Acrylonitrile	Ave	1.041	1.404		13.5	10.0	34.8*	30.0
n-Hexane	Ave	2.181	2.803		12.8	10.0	28.5	30.0
1,1-Dichloroethane	Ave	2.322	2.872		12.4	10.0	23.7	30.0
Vinyl acetate	Ave	3.690	5.247		14.2	10.0	42.2*	30.0
Ethyl acetate	Ave	0.1147	0.1192		10.4	10.0	3.9	30.0
cis-1,2-Dichloroethene	Ave	1.197	1.305		10.9	10.0	9.0	30.0
Methyl Ethyl Ketone	Ave	0.7055	0.8017		11.4	10.0	13.6	30.0
Tetrahydrofuran	Ave	0.3266	0.4630		14.2	10.0	41.7*	30.0
Chloroform	Ave	2.272	2.674		11.8	10.0	17.7	30.0
Cyclohexane	Ave	0.3408	0.3730		10.9	10.0	9.5	30.0
1,1,1-Trichloroethane	Ave	0.4241	0.4830		11.4	10.0	13.9	30.0
Carbon tetrachloride	Ave	0.4250	0.4770		11.2	10.0	12.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-18574-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-61708/2 Calibration Date: 09/25/2013 11:59
 Instrument ID: B.i Calib Start Date: 09/11/2013 13:41
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/11/2013 21:32
 Lab File ID: blci002.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	1.355	1.680		12.4	10.0	24.0	30.0
Benzene	Ave	0.7980	0.8921		11.2	10.0	11.8	30.0
1,2-Dichloroethane	Ave	0.2836	0.3587		12.6	10.0	26.5	30.0
n-Heptane	Ave	0.5175	0.7440		14.4	10.0	43.8*	30.0
n-Butanol	Ave	0.1676	0.1979		11.8	10.0	18.1	30.0
Trichloroethene	Ave	0.3102	0.3284		10.6	10.0	5.9	30.0
1,2-Dichloropropane	Ave	0.3149	0.3769		12.0	10.0	19.7	30.0
Methyl methacrylate	Ave	0.3041	0.3499		11.5	10.0	15.1	30.0
1,4-Dioxane	Ave	0.1163	0.1248		10.7	10.0	7.3	30.0
Dibromomethane	Ave	0.2468	0.2299		9.31	10.0	-6.8	30.0
Bromodichloromethane	Ave	0.5008	0.5760		11.5	10.0	15.0	30.0
cis-1,3-Dichloropropene	Ave	0.4321	0.4960		11.5	10.0	14.8	30.0
methyl isobutyl ketone	Ave	0.6543	0.9399		14.4	10.0	43.7*	30.0
n-Octane	Ave	0.7360	1.079		14.7	10.0	46.7*	30.0
Toluene	Ave	0.6112	0.6809		11.1	10.0	11.4	30.0
trans-1,3-Dichloropropene	Ave	0.4320	0.5071		11.7	10.0	17.4	30.0
1,1,2-Trichloroethane	Ave	0.3048	0.3554		11.7	10.0	16.6	30.0
Tetrachloroethene	Ave	0.4351	0.4247		9.76	10.0	-2.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.7006	1.032		14.7	10.0	47.3*	30.0
Dibromochloromethane	Ave	0.5164	0.5587		10.8	10.0	8.2	30.0
1,2-Dibromoethane	Ave	0.4983	0.5363		10.8	10.0	7.6	30.0
Chlorobenzene	Ave	0.7826	0.8382		10.7	10.0	7.1	30.0
n-Nonane	Ave	0.7573	1.007		13.3	10.0	33.0*	30.0
Ethylbenzene	Ave	1.341	1.550		11.6	10.0	15.5	30.0
m,p-Xylene	Ave	0.5045	0.5614		22.3	20.0	11.3	30.0
Xylene, o-	Ave	0.4877	0.5444		11.2	10.0	11.6	30.0
Styrene	Ave	0.7809	0.8852		11.3	10.0	13.4	30.0
Bromoform	Ave	0.5123	0.5383		10.5	10.0	5.1	30.0
Cumene	Ave	1.401	1.591		11.4	10.0	13.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8176	0.9665		11.8	10.0	18.2	30.0
n-Propylbenzene	Ave	1.779	2.122		11.9	10.0	19.3	30.0
1,2,3-Trichloropropane	Ave	0.6329	0.7788		12.3	10.0	23.1	30.0
n-Decane	Ave	0.9725	1.294		13.3	10.0	33.1*	30.0
4-Ethyltoluene	Ave	1.420	1.641		11.6	10.0	15.6	30.0
2-Chlorotoluene	Ave	1.201	1.438		12.0	10.0	19.8	30.0
1,3,5-Trimethylbenzene	Ave	1.164	1.350		11.6	10.0	15.9	30.0
Alpha Methyl Styrene	Ave	0.5754	0.6019		10.5	10.0	4.6	30.0
tert-Butylbenzene	Ave	1.091	1.227		11.2	10.0	12.4	30.0
1,2,4-Trimethylbenzene	Ave	1.145	1.344		11.7	10.0	17.4	30.0
sec-Butylbenzene	Ave	1.740	2.006		11.5	10.0	15.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-18574-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-61708/2 Calibration Date: 09/25/2013 11:59
 Instrument ID: B.i Calib Start Date: 09/11/2013 13:41
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 09/11/2013 21:32
 Lab File ID: blci002.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	1.386	1.596		11.5	10.0	15.2	30.0
1,3-Dichlorobenzene	Ave	0.7317	0.8107		11.1	10.0	10.8	30.0
1,4-Dichlorobenzene	Ave	0.7126	0.7959		11.2	10.0	11.7	30.0
Benzyl chloride	Ave	1.013	1.292		12.8	10.0	27.6	30.0
n-Undecane	Ave	1.056	1.268		12.0	10.0	20.0	30.0
n-Butylbenzene	Ave	1.311	1.659		12.7	10.0	26.6	30.0
1,2-Dichlorobenzene	Ave	0.6951	0.7689		11.1	10.0	10.6	30.0
n-Dodecane	Ave	0.7958	0.8168		10.3	10.0	2.6	30.0
1,2,4-Trichlorobenzene	Ave	0.4274	0.4114		9.62	10.0	-3.7	30.0
Hexachlorobutadiene	Ave	0.4929	0.4583		9.30	10.0	-7.0	30.0
Naphthalene	Ave	0.8912	0.9110		10.2	10.0	2.2	30.0
1,2,3-Trichlorobenzene	Ave	0.3234	0.3584		11.1	10.0	10.8	30.0

GC/MS Air Instrument Run Log

Sequence	Standard Traceability	Instrument Information
Target Batch ID: <u>BLC</u>	ISTD Container ID: <u>24A062</u>	Instrument ID: B
Test Method: <u>TALS</u>	CCV Container ID: <u>See Comments</u>	Instrument: 5973
ICAL Date: <u>9/11/13</u>	ICV/LCS Container ID: <u>See Comments</u>	Column Type: RTX-624

Analyst / Supervisor Signature(s): Insert signature when specified as project requirement. Otherwise leave this section blank.

Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Individual Sample Review			Comments
								Internal Std.	Result Conc.	Primary Anal.	
1116	<u>BLC</u> 01	<u>N/A</u>	<u>BFB</u>	<u>N/A</u>	<u>1</u>	<u>200</u>	<u>WRD</u>	<u>✓</u>	<u>BL</u>		
1157	02	4634	VIBLK		1	<u>200</u>		<u>✓</u>			
1249	03	4634	VIBLK		1	<u>200</u>		<u>✓</u>			
1341	04	5460	IC (8)		2	40		<u>✓</u>			554199 I
1434	05	5460	IC (1)		2	200		<u>✓</u>			
1526	06	5410	Test		3						554198
1619	07	5015	IC (3)		4			<u>✓</u>			554195
1711	08	4432	IC15 (4)		5			<u>✓</u>			554192
1803	09	2621	IC (5)		6			<u>✓</u>			554190
1856	10	2575	IC (6)		7			<u>✓</u>			554065
1948	11	5406	IC (7)		6			<u>✓</u>			554064
2040	12	4634	VIBLK		1						554197
2132	13	5432	IC (2)		9			<u>✓</u>			554201
2224	14	5424	Test		10			<u>✓</u>			554201
2316	15	5424	Test		10	40					553084
0000	16	3646	ICV		11	200		<u>✓</u>			
0100	17	4634	VIBLK		1			<u>✓</u>			
0152	18	5406	Test		12						

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓ = Low • ✓=Reviewed and Acceptable

GC/MS Air Instrument Run Log

Sequence	Standard Traceability	Instrument Information
Target Batch ID: <u>BLCI</u>	ISTD Container ID: <u>248060</u>	Instrument ID: B
Test Method: <u>TO15</u>	CCV Container ID: <u>554192</u>	Instrument: 5973
ICAL Date: <u>061039</u>	ICV/LCS Container ID: <u>554488</u>	Column Type: RTX-624
Analyst/ Supervisor Signature(s): <i>Insert signature when specified as project requirement. Otherwise leave this section blank.</i>		

Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Individual Sample Review		Comments
								Internal Std.	Result Conc.	
1100	BLCI	N/A	BEB	N/A	1	200	BK	✓	✓	
1159		4432	CCVIS		2	200		✓	✓	
1251		3152	CS		3	200		✓	✓	
1420		4634	NAB		4	1000		✓	✓	
1514		2602	18574-4	0.2	5	200		✓	✓	
1607		4387	18572-16	1.0	6	200		✓	✓	
1659		3621	-17		7			✓	✓	
1751		5138	-18		8			✓	✓	
1843		5166	-25		9			✓	✓	
1935		4098	-26		10			✓	✓	
2026		4165	-27		11			✓	✓	
2118		5140	-29		12			✓	✓	
2210		4336	-30		13			✓	✓	
2302		3438	18506-1		14			✓	✓	
2354		4361	-2		15			✓	✓	
0046		3642	-3		16			✓	✓	
0138		4569	-4		1			✓	✓	
0231		2951	-5		2			✓	✓	
0323		4440	-6		3			✓	✓	
0414		7EDJAR	18584-1		4			✓	✓	
0500		5463	-2		5			✓	✓	
0558		5463	18555-1		6			✓	✓	
0651			-2		7			✓	✓	
0743			-3		8			✓	✓	
0846		3374	18605-6	0.2	1000		WRD	✓	✓	

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓ = Low • ✓=Reviewed and Acceptable

BRFAI002:04.03.12:8
TestAmerica Burlington

GC/MS Air Instrument Run Log

Sequence	Standard Traceability			Instrument information		
Target Batch ID: <u>BLCI</u>	Start Date: <u>9/25/13</u>	Time: <u>1100</u>	ISTD Container ID:	Instrument ID: <u>B</u>		
Test Method: <u>7015</u>	End Date: <u>9/26/13</u>	Time: <u>1100</u>	CCV Container ID:	Instrument: <u>5973</u>		
ICAL Date: <u>8/10/13</u>	ICV/LCS Container ID:			Column Type: <u>RTX-624</u>		
Analyst / Supervisor Signature(s): <i>Insert signature when specified as project requirement. Otherwise leave this section blank.</i>						

Injection Time	GC/MS File Name	Sequence Information				Individual Sample Review		Comments			
		Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator		Internal Std.	Result Conc.	Primary Anal.
<u>0945</u>	<u>BLCI-26</u>	<u>2651</u>	<u>1860011</u>	<u>0.2</u>	<u>9</u>	<u>1000</u>	<u>LWR</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

BLC
9/26/13

BRFAI002:04.03.12:8
TestAmerica Burlington

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓ = Low • ✓ = Reviewed and Acceptable

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AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-18574-1

SDG No.: _____

Instrument ID: B.i Start Date: 09/11/2013 11:16

Analysis Batch Number: 61039 End Date: 09/12/2013 01:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-61039/1		09/11/2013 11:16	1	b1c001.d	RTX-624 0.32 (mm)
VIBLK 200-61039/2		09/11/2013 11:57	1		RTX-624 0.32 (mm)
VIBLK 200-61039/3		09/11/2013 12:49	1		RTX-624 0.32 (mm)
IC 200-61039/4		09/11/2013 13:41	1	b1c004.d	RTX-624 0.32 (mm)
IC 200-61039/5		09/11/2013 14:34	1	b1c005.d	RTX-624 0.32 (mm)
ZZZZZ		09/11/2013 15:26	1		RTX-624 0.32 (mm)
IC 200-61039/7		09/11/2013 16:19	1	b1c007.d	RTX-624 0.32 (mm)
ICIS 200-61039/8		09/11/2013 17:11	1	b1c008.d	RTX-624 0.32 (mm)
IC 200-61039/9		09/11/2013 18:03	1	b1c009.d	RTX-624 0.32 (mm)
IC 200-61039/10		09/11/2013 18:56	1	b1c010.d	RTX-624 0.32 (mm)
IC 200-61039/11		09/11/2013 19:48	1	b1c011.d	RTX-624 0.32 (mm)
VIBLK 200-61039/12		09/11/2013 20:40	1		RTX-624 0.32 (mm)
IC 200-61039/13		09/11/2013 21:32	1	b1c013.d	RTX-624 0.32 (mm)
ZZZZZ		09/11/2013 22:24	1		RTX-624 0.32 (mm)
ZZZZZ		09/11/2013 23:16	1		RTX-624 0.32 (mm)
ICV 200-61039/16		09/12/2013 00:08	1	b1c016.d	RTX-624 0.32 (mm)
VIBLK 200-61039/17		09/12/2013 01:00	1		RTX-624 0.32 (mm)
ZZZZZ		09/12/2013 01:52	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-18574-1

SDG No.: _____

Instrument ID: B.i Start Date: 09/25/2013 11:00

Analysis Batch Number: 61708 End Date: 09/26/2013 09:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-61708/1		09/25/2013 11:00	1	blci001.d	RTX-624 0.32 (mm)
CCVIS 200-61708/2		09/25/2013 11:59	1	blci002.d	RTX-624 0.32 (mm)
LCS 200-61708/3		09/25/2013 12:51	1	blci003.d	RTX-624 0.32 (mm)
MB 200-61708/4		09/25/2013 14:20	1	blci004.d	RTX-624 0.32 (mm)
200-18574-4	2602	09/25/2013 15:14	0.2	blci005.d	RTX-624 0.32 (mm)
ZZZZZ		09/25/2013 16:07	1		RTX-624 0.32 (mm)
ZZZZZ		09/25/2013 16:59	1		RTX-624 0.32 (mm)
ZZZZZ		09/25/2013 17:51	1		RTX-624 0.32 (mm)
ZZZZZ		09/25/2013 18:43	1		RTX-624 0.32 (mm)
ZZZZZ		09/25/2013 19:35	1		RTX-624 0.32 (mm)
ZZZZZ		09/25/2013 20:26	1		RTX-624 0.32 (mm)
ZZZZZ		09/25/2013 21:18	1		RTX-624 0.32 (mm)
ZZZZZ		09/25/2013 22:10	1		RTX-624 0.32 (mm)
ZZZZZ		09/25/2013 23:02	1		RTX-624 0.32 (mm)
ZZZZZ		09/25/2013 23:54	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2013 00:46	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2013 01:38	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2013 02:31	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2013 03:23	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2013 04:14	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2013 05:06	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2013 05:58	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2013 06:51	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2013 07:43	1		RTX-624 0.32 (mm)
ZZZZZ		09/26/2013 08:46	0.2		RTX-624 0.32 (mm)
ZZZZZ		09/26/2013 09:45	0.2		RTX-624 0.32 (mm)

Subcontract Data

Shipping and Receiving Documents

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record


TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information Company: <i>AGCOM</i> Address: <i>120 Corporate Pkwy</i> City/State/Zip: <i>Amherst, NY 14226</i> Phone: <i>716-836-4506</i> FAX: <i>716-836-4506</i> Project Name: <i>Furner-Suth Amherst</i> Site: <i>40313</i> PO #		Project Manager: <i>Dino Zuck</i> Phone: <i>716-836-4506 ext 15</i> Email: <i>dino.zuck@agcom.com</i> Site Contact: <i>D. Zuck</i> TA Contact: <i>R. Ecker</i> Analysis Turnaround Time Standard (Specify) Rush (Specify)		Samples Collected By: <i>DLZ</i> C of 1 COCs													
Sample Identification <i>40313 AS Effluent</i>		Canister Vacuum In Field, "Hg (Start)	Canister Vacuum In Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)	
Sample Date(s)	Time Start	Time Stop	-29.7	-	2674	X										X	
Start		Interior		Temperature (Fahrenheit)		Ambient		Start		Stop		Interior		Pressure (Inches of Hg)		Ambient	
Stop		Interior		Start		Stop		Interior		Start		Stop		Interior		Stop	
Special Instructions/QC Requirements & Comments: <i>Sample collected from Air Stripper Effluent to ATM</i>																	
Samples Shipped by: <i>Dino Zuck</i>		Date/Time: <i>10/9/13 0800</i>		Samples Received by: <i>Atch Zuck</i>		Date/Time: <i>10/13/13 1010</i>		Relinquished by:									
Relinquished by:		Date/Time:		Received by:		Date/Time:		Received by:									

TestAmerica Burlington
 30 Community Drive
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Canister Samples Chain of Custody Record

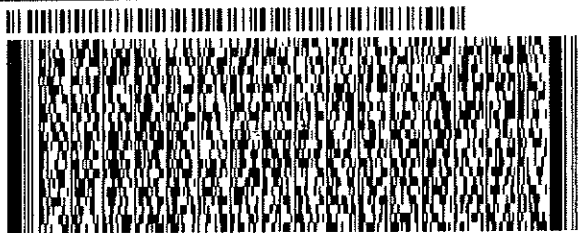
TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information Company: <i>AECOM</i> Address: <i>100 Corporate Pkwy</i> City/State/Zip: <i>Amherst, NY 14226</i> Phone: <i>716-836-4526</i> FAX: Project Name: <i>Former Scott Avian</i> Site: <i>4G13</i> PO #		Project Manager: <i>Dino Zack</i> Phone: <i>716-836-4526 ext 15</i> Email: <i>dino.zack@aecom.com</i> Site Contact: <i>D. Zack</i> TA Contact: <i>K. Fisher</i> Analysis Turnaround Time Standard (Specify) Rush (Specify)		Samples Collected By: <i>DIZ</i>		1 of 1 COCs				
Sample Identification <i>4G13 AS Effluent</i>	Sample Date(s) <i>10/13</i>	Time Start <i>0750</i>	Time Stop <i>0750</i>	Canister Vacuum in Field, "Hg (Start) <i>29.7</i>	Canister Vacuum in Field, "Hg (Stop) <i>-</i>	Flow Controller ID <i>-</i>	Canister ID <i>2679</i>	TO-15 <i>X</i>	MA-APH EPA 3C EPA 25C ASTM D-1946 Other (Please specify in notes section)	Indoor Air Ambient Air Soil Gas Landfill Gas Other (Please specify in notes section)
Special Instructions/QC Requirements & Comments: <i>Sample collected from Air Stripper Effluent to ATM</i>										
Samples Shipped by: <i>Dino J. Gal</i>		Date/Time: <i>10/13/13 0800</i>		Samples Received by: <i>Steve Penick</i>		Date/Time: <i>10/13/13 1010</i>				
Samples Relinquished by:		Date/Time:		Received by:		Date/Time:				
Relinquished by:		Date/Time:		Received by:		Date/Time:				
Lab Use Only		Shipper Name:		Opened by:		Condition:		480-47899 COC		

ORIGIN ID:DKKA (716) 691-2600
KEN KINECKI
TESTAMERICA
10 HAZELWOOD DR
AMHERST, NY 14228
UNITED STATES US

SHIP DATE: 10OCT13
ACTNGT: 13.0 LB MAN
CAD: 735603/CAFE2704
DIMS: 18x18x13 IN
BILL RECIPIENT

TO **MARK PHILLIPS**
TA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1890 REF: BURLINGTON
DEPT: SAMPLE CONTROL



FedEx
Express



2 of 2

FRI - 11 OCT A

MPS# 4485 0265 4546
0263
Mstr# 4485 0265 4535

STANDARD OVERNIGHT

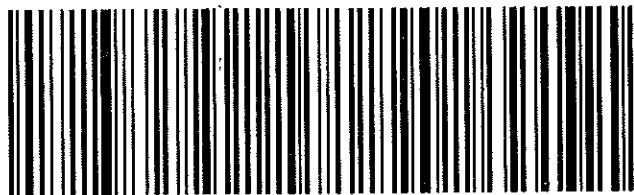
0201

EK BTVA

05403

VT-US BT

4485 0265 4546 RITZ 08/73



Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-47899-1

Login Number: 47899
List Number: 1
Creator: Poucher, Stephanie A

List Source: TestAmerica Burlington
List Creation: 10/14/13 04:38 PM

Question	Answer	Comment
Radioactivity wasn't checked or is <= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	936857, 858
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.	True	ambient
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.	True	
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 <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	



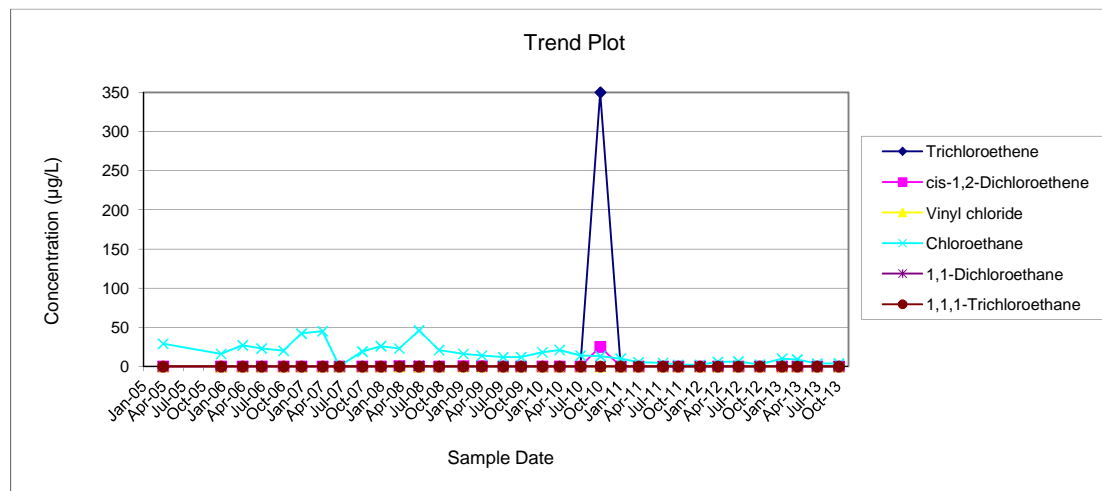
APPENDIX D

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
1/21/2013	0.98	<1	<1	10	<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

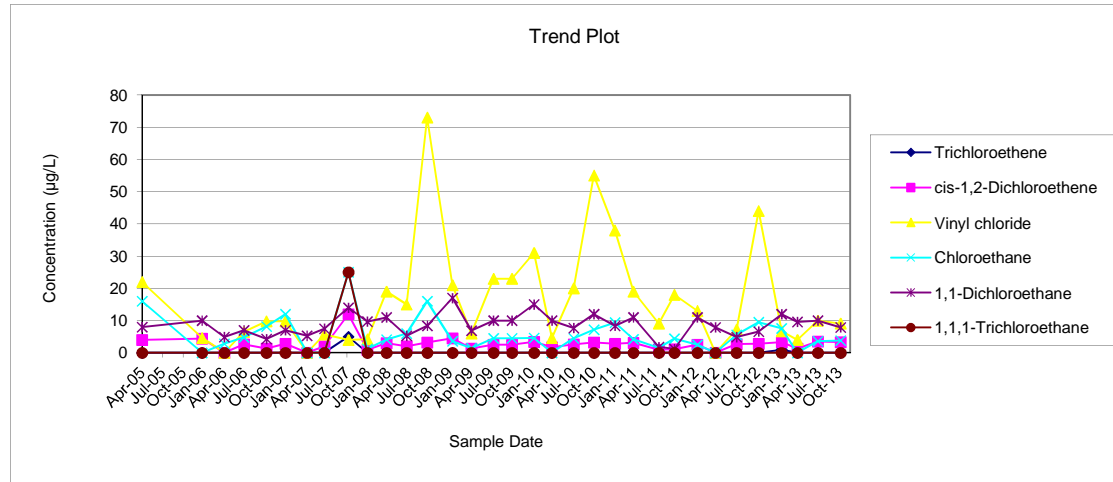
MONITORING WELL MW-2
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



**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
1/21/2013	0.98	3.3	6.7	7.6	12	<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

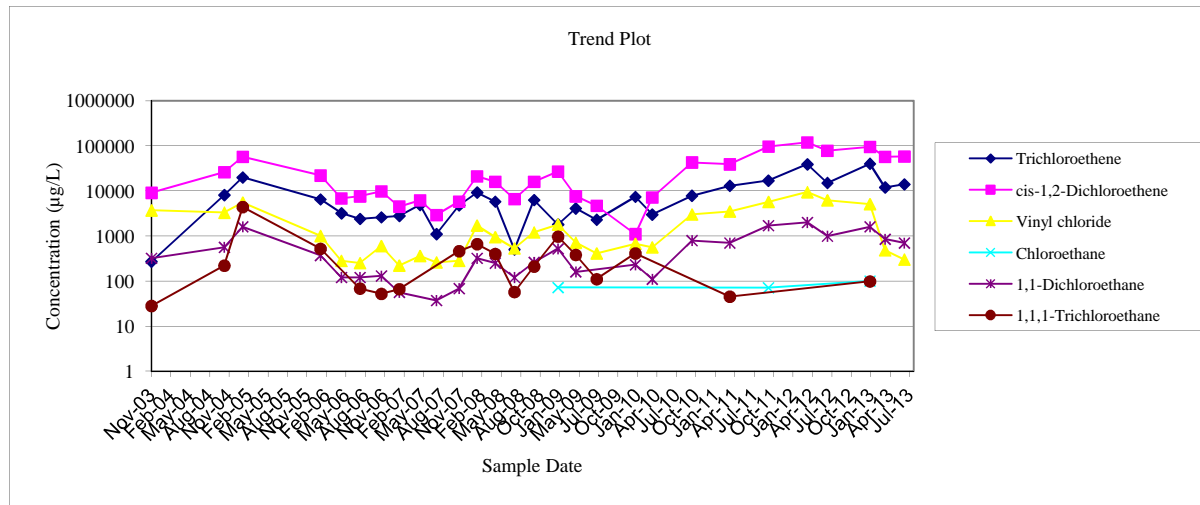
**MONITORING WELL MW-3
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**



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

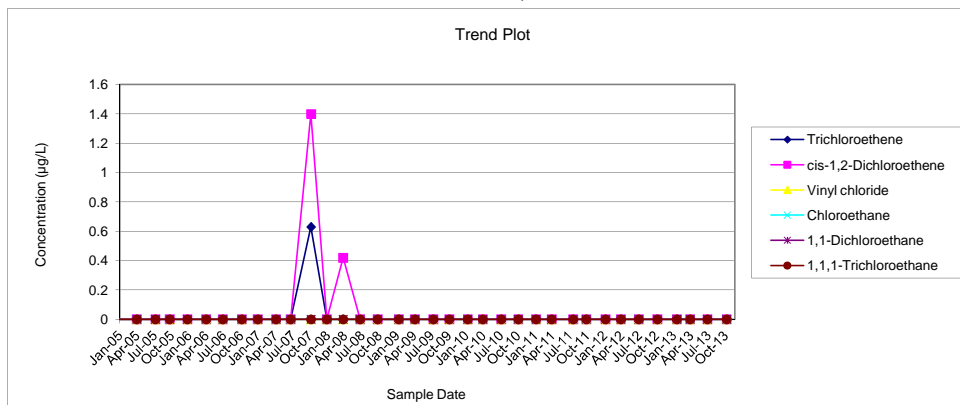
Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	270	9,100	3,700	< 10	320	28
10/13/2004	8,100	26,000	3,300	< 1000	560	220
1/7/2005	20,000	57,000	5,500	< 2000	1,600	4,400
1/6/2006	6,500	22,000	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

**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.

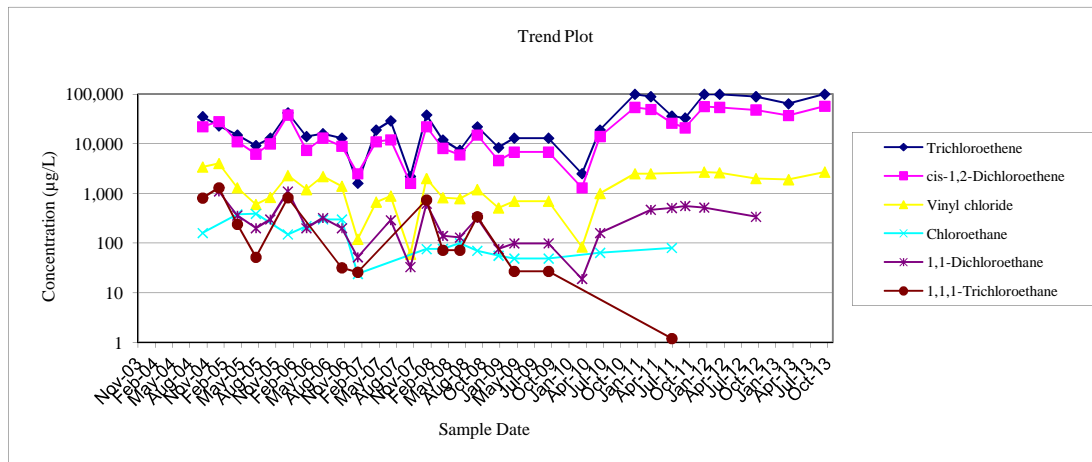
MONITORING WELL MW-6
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



**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

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

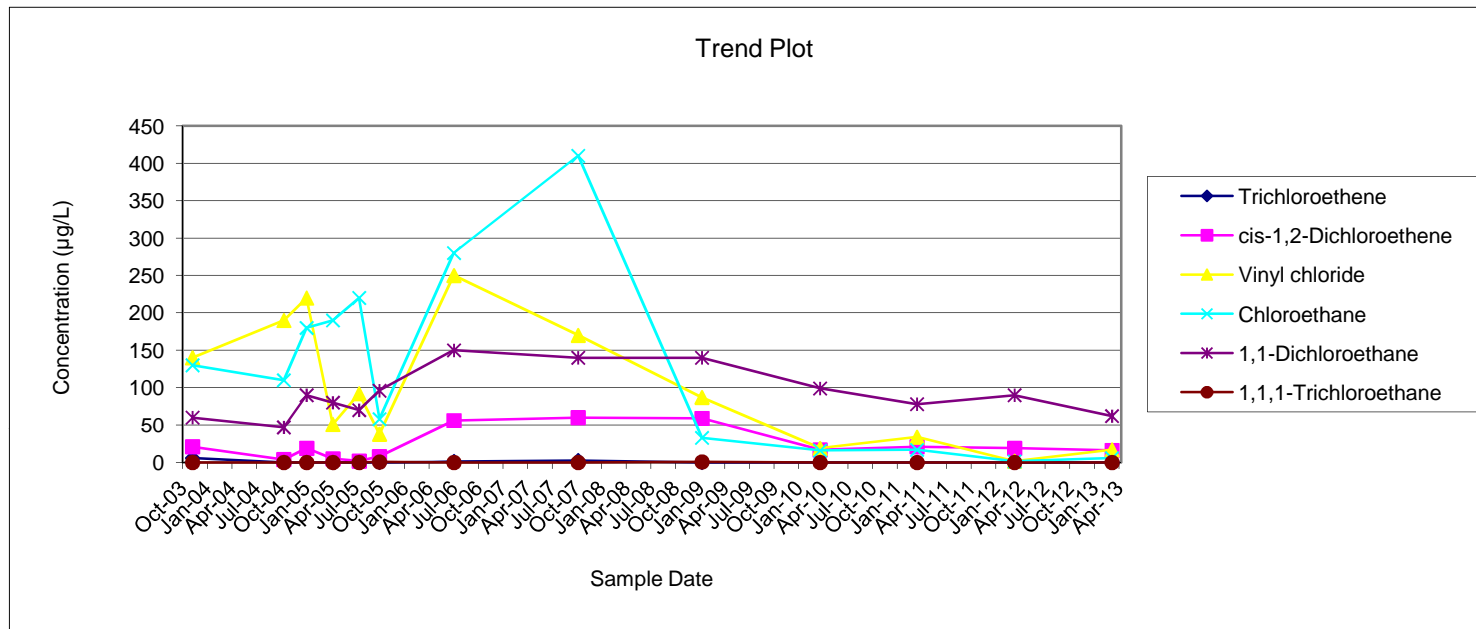


Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

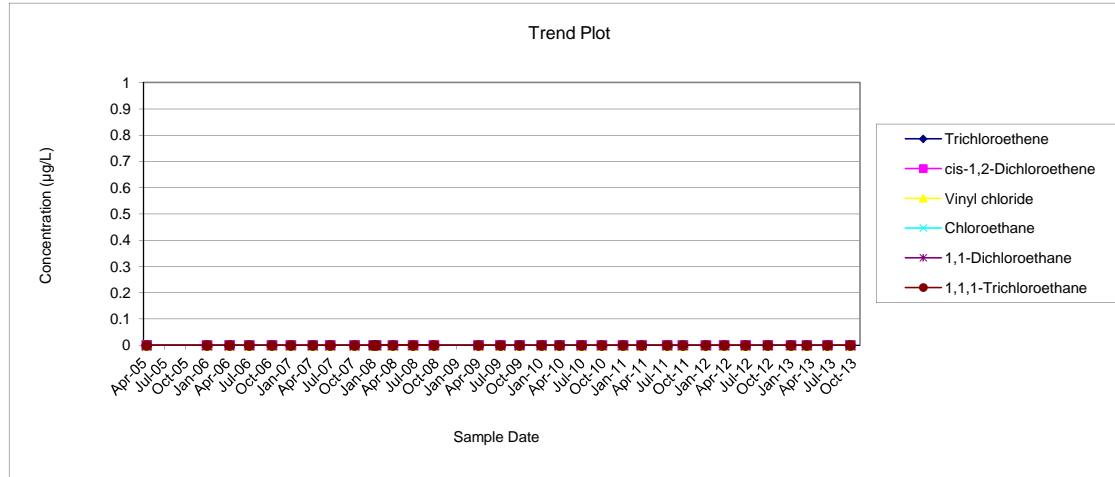
**MONITORING WELL MW-9
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**

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

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



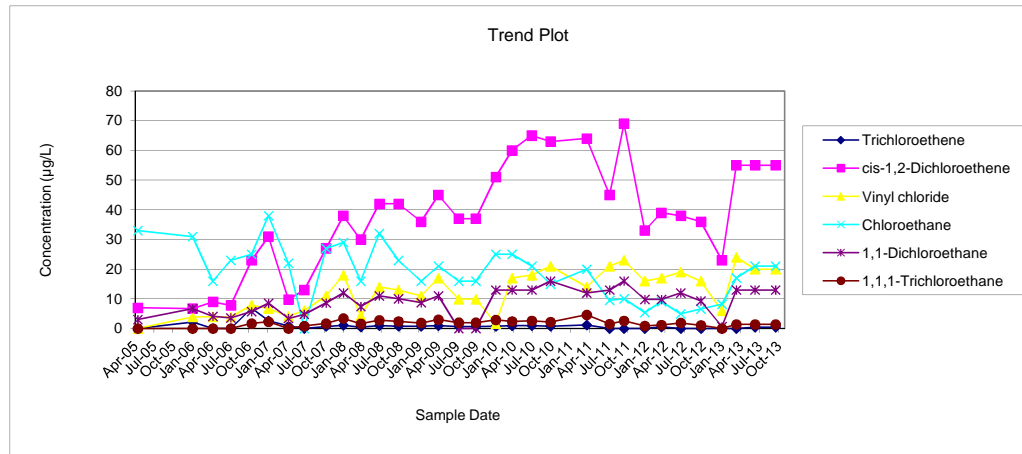
**MONITORING WELL MW-10
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**



**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
4/1/2013	<1	55	24	17	13	1.4
7/1/2013	0.46	55	20	21	13	1.4
10/9/2013	0.46	55	20	21	13	1.4

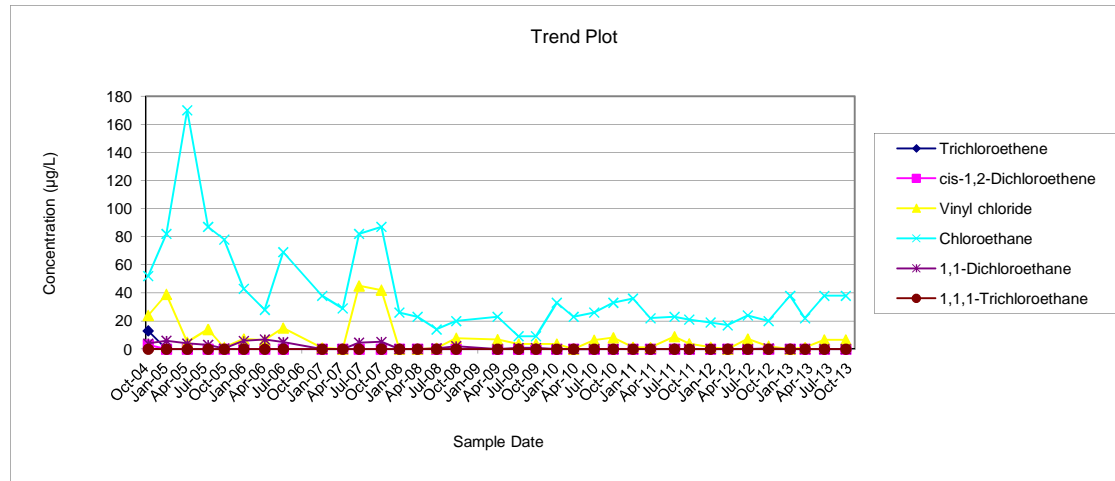
MONITORING WELL MW-11
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



**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
7/5/2012	< 1	< 1	7.2	24	< 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	6.6	38	< 1	< 1

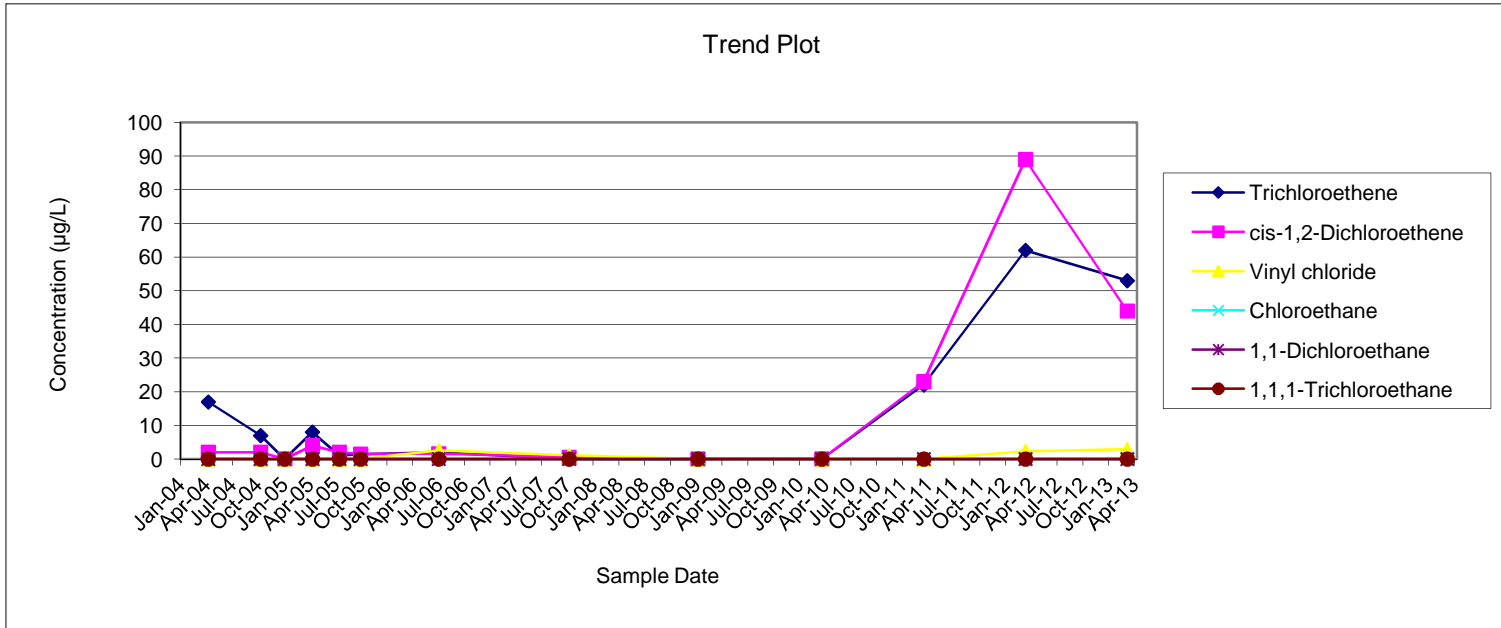
**MONITORING WELL MW-12
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**



**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

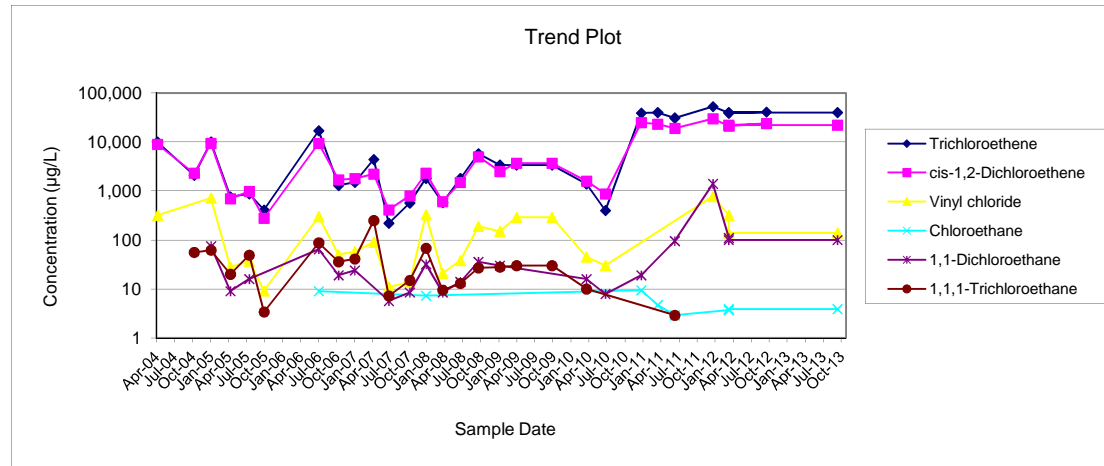
**PIEZOMETER MW-13D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**



**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
4/2/2012	40,000	22,000	140	3.9	100	<1
10/10/2013	40,000	22,000	140	3.9	100	<1

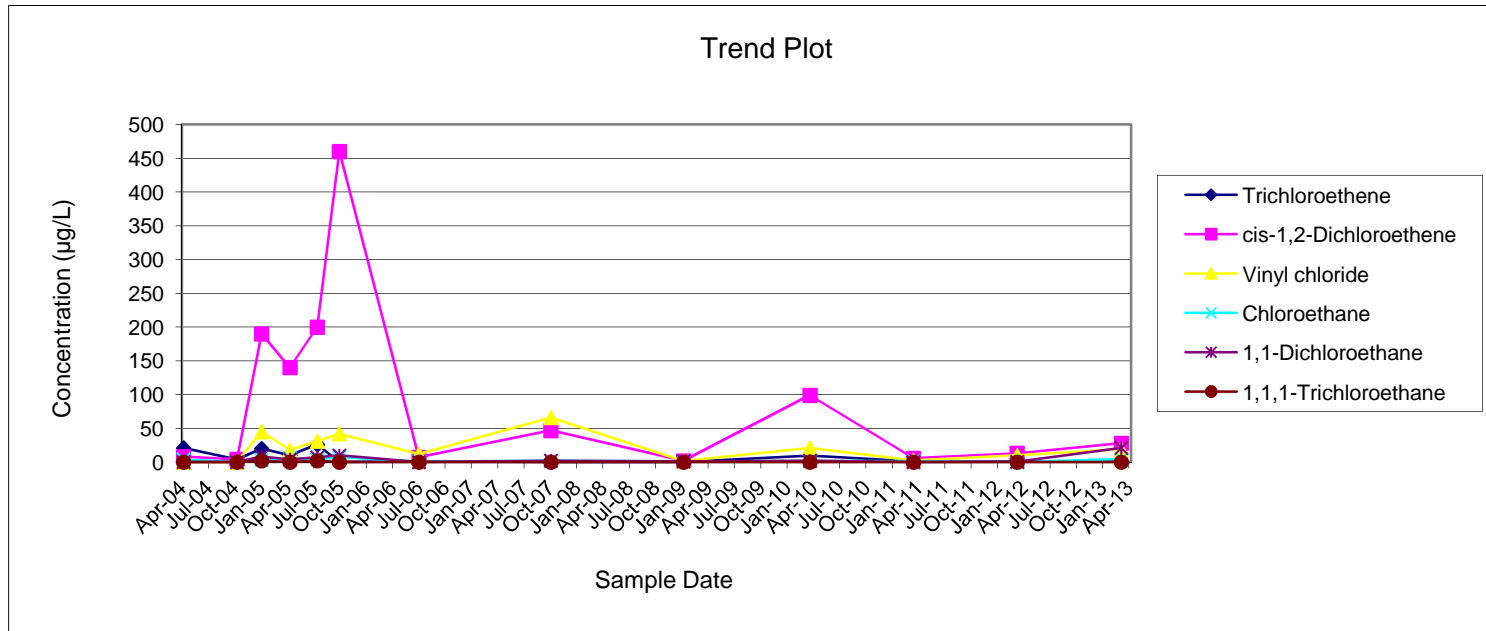
**PIEZOMETER MW-13S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**



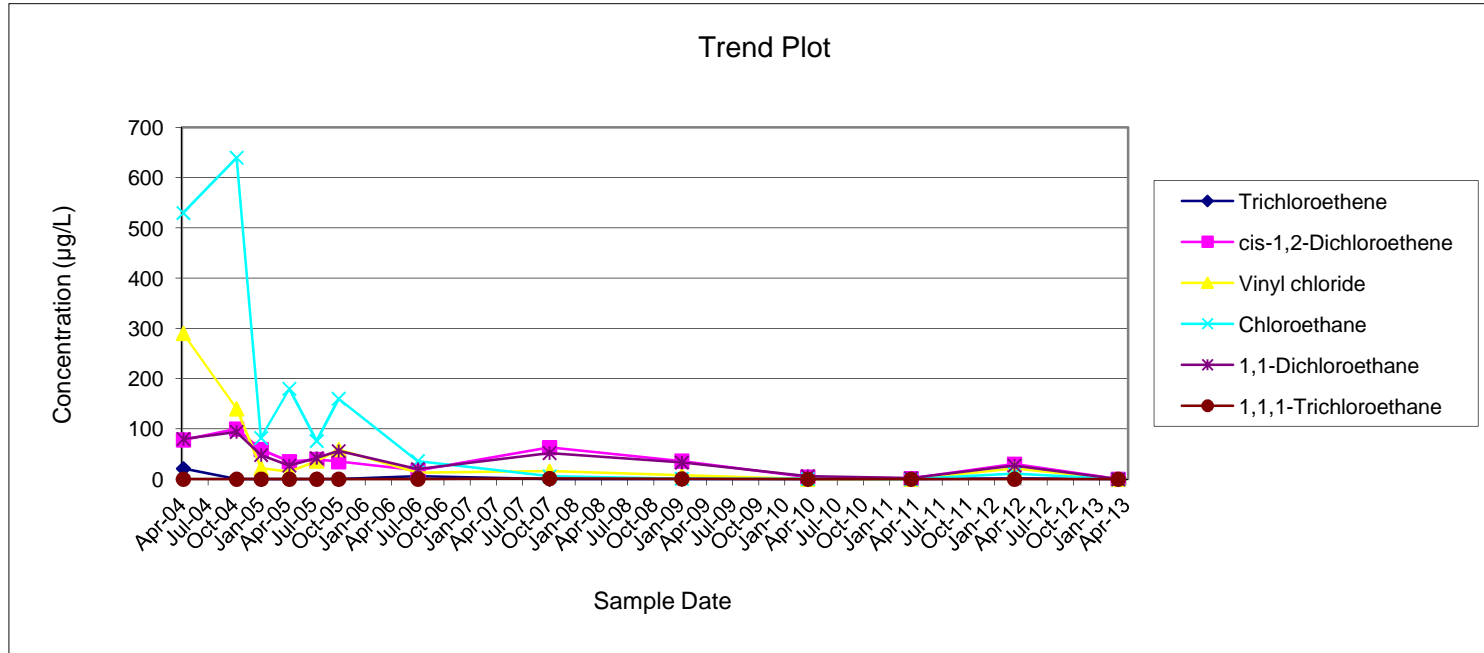
**PIEZOMETER MW-14D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**

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

PIEZOMETER MW-14D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



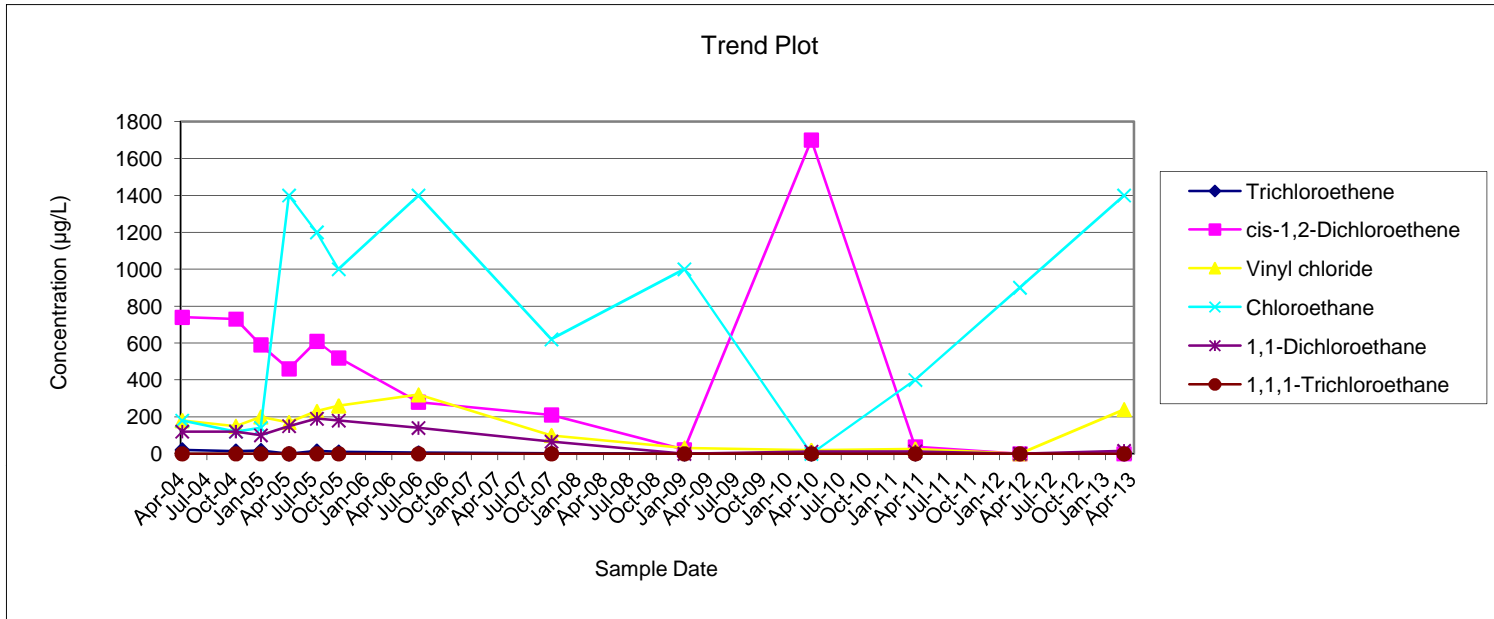
**PIEZOMETER MW-14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**



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

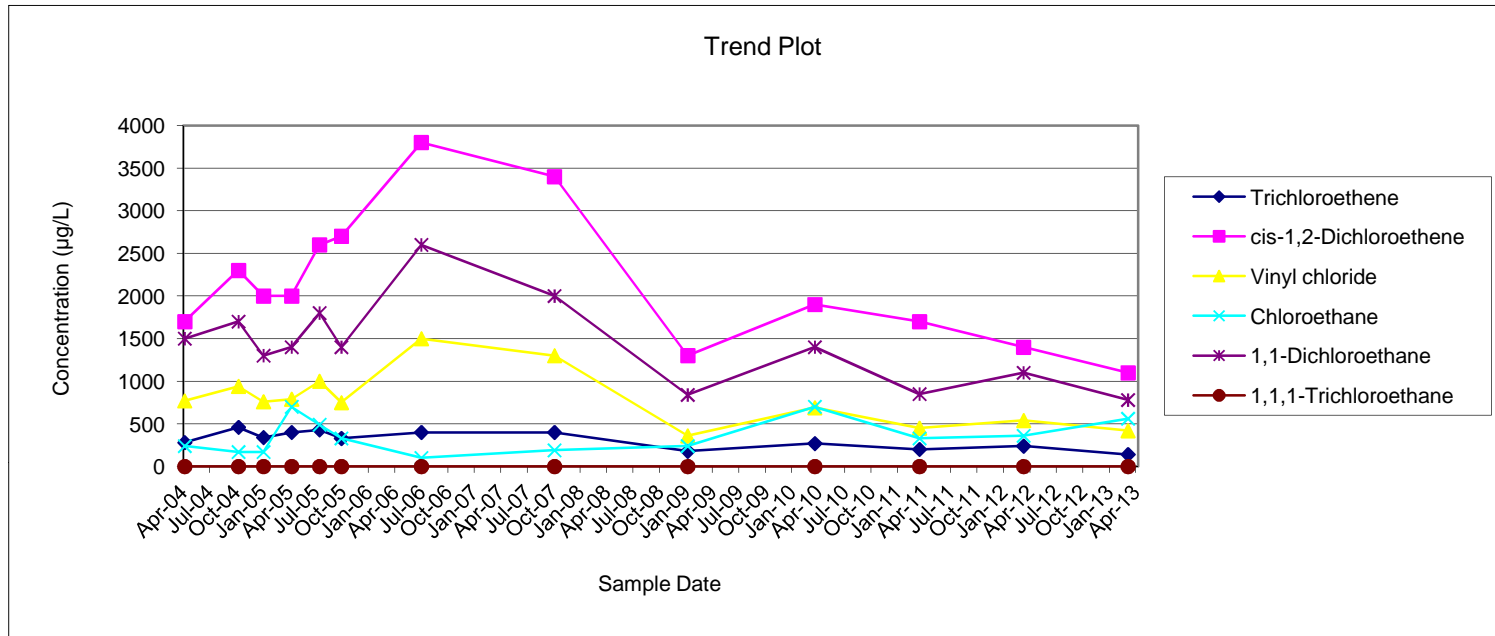
PIEZOMETER MW-15D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



**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

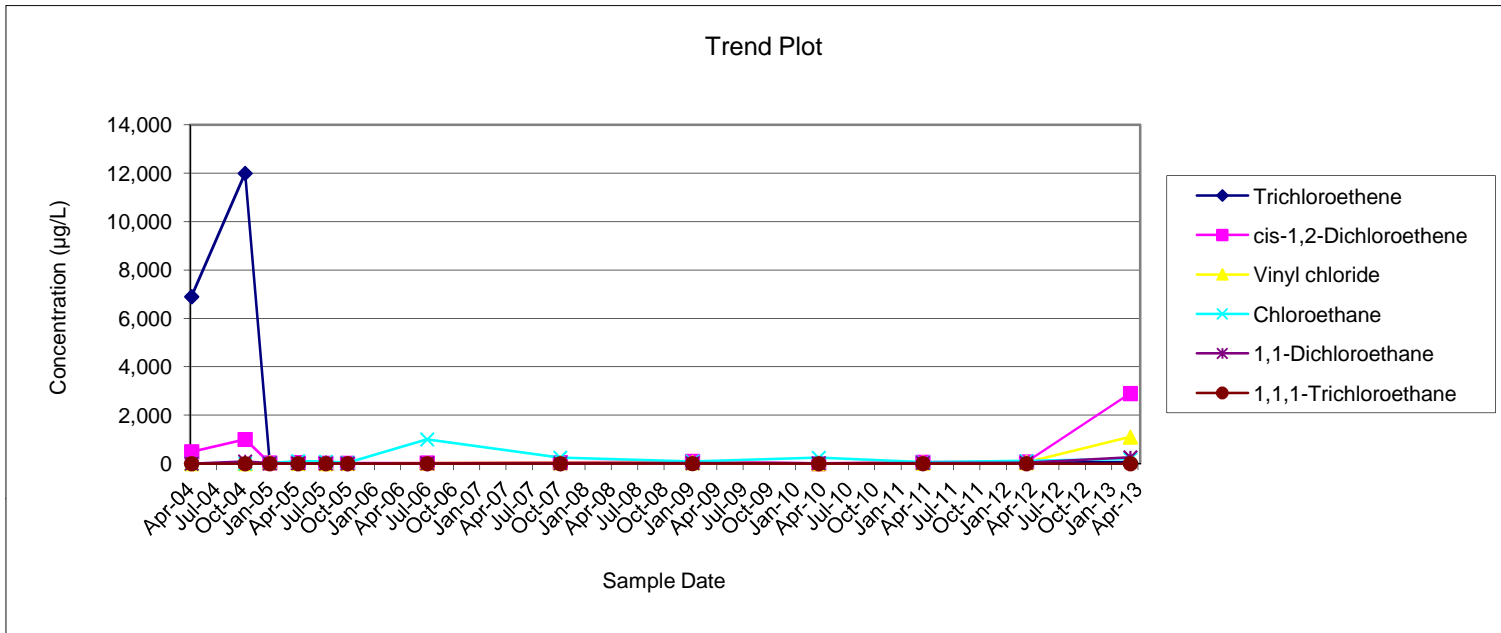
**PIEZOMETER MW-15S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**



**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-Trichloroethane
4/8/2004	6,900	490	< 500	< 500	< 500	< 500
10/12/2004	12,000	1,000	< 500	< 500	91	< 500
1/6/2005	9	27	39	22	15	< 10
4/15/2005	32	36	17	100	10	< 10
7/21/2005	25	12	4	84	2	< 10
10/5/2005	1.3	16	10	41	5	<5
7/10/2006	6.1	27	21	1,000	9.7	< 5
10/18/2007	6	48	39	250	16	< 20
1/22/2009	52	92	39	90	21	1.9
4/8/2010	12	6.9	3.6	240	8.7	< 10
4/7/2011	22	59	33	59	27	1.2
4/3/2012	42	66	46	110	35	<1
4/1/2013	57	2900	1100	190	260	<1

PIEZOMETER MW-16D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



**PIEZOMETER MW-16S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	860,000	62,000	< 20,000	< 20,000	5,000	14,000
10/12/2004	200,000	46,000	< 10,000	< 10,000	2,900	< 10,000
1/7/2005	420,000	64,000	< 10,000	< 10,000	3,800	3,300
4/15/2005	400,000	71,000	< 25,000	< 25,000	< 25,000	< 25,000
7/21/2005	480,000	76,000	1,500	2,200	4,400	2,700
10/5/2005	440,000	74,000	< 25,000	< 25,000	4,100	< 25,000
1/6/2006	470,000	82,000	2,600	< 20,000	3,300	5,200
4/14/2006	260,000	56,000	3,900	< 20,000	2,600	< 20,000
7/10/2006	310,000	78,000	4,000	< 20,000	3,500	< 20,000
10/19/2006	77,000	22,000	1,300	< 5,000	940	< 5,000
1/10/2007	44,000	18,000	1,900	< 2,500	840	< 2,500
4/17/2007	94,000	36,000	3,300	1,800	1,500	< 5,000
7/3/2007	86,000	38,000	3,000	< 5,000	1,400	< 5,000
10/18/2007	130000	47000	2800	2600	1600	820
1/8/2008	67000	30000	3200	< 5000	1100	< 5000
4/3/2008	76,000	35,000	2,900	710	1,300	500
7/2/2008	58,000	26,000	2,400	570	830	<5000
10/2/2008	63,000	26,000	3,100	690	920	<5000
1/22/2009	92,000	51,000	4,200	730	1,800	490
4/15/2009	130,000	61,000	4,200	<2000	1,800	900
7/22/2009	87,000	45,000	3,000	650	1,500	740
1/19/2010	22,000	18,000	2,600	1,100	670	340
4/8/2010	220,000	99,000	6,800	1,100	3,000	2,000
10/11/2010	300,000	90,000	6,300	<20,000	3,100	5,000
4/7/2011	250,000	74,000	7,100	<4,000	<4,000	5,600
10/4/2011	190,000	67,000	3,700	<800	1,400	4,600
4/3/2012	250,000	84,000	8,400	960	1,700	4,900
7/6/2012	170,000	72,000	3,900	<2000	1,200	2,400
1/21/2013	240,000	79,000	9,300	2,900	2,200	7,200
4/3/2013	230,000	82,000	7,300	<4,000	1,500	<4,000
7/1/2013	120,000	65,000	5,400	1,200	1,200	2,600

**PIEZOMETER MW-16S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**

