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Mr. Glenn May
New York State Department of Environmental Conservation, Region 9
270 Michigan Avenue
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**Subject: Third Quarter 2013 Groundwater Monitoring Report
July 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 Third 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 July 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** (proposed

groundwater monitoring schedule for the site from October 2013 through July 2014). The 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 – July 2013

AECOM personnel collected quarterly groundwater samples on July 1, 2013, in accordance with the procedures outlined in the NYSDEC-approved RDWP. Monitoring wells sampled in July 2013 included MW-2, MW-3, MW-4, MW-6, MW-10, MW-11, MW-12, and MW-16S (**Figure 2**). Field forms generated during this sampling event are provided in **Appendix A**. Groundwater samples were analyzed for VOCs by Test America 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 were measured in all site wells and piezometers. **Table 2** provides a summary of groundwater elevations measured on July 1, 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 July 1, 2013.

Groundwater elevations measured on July 1, 2013 ranged from 685.79 feet above mean sea level (AMSL) at MW-15S to 665.79 feet AMSL at MW-14D. The average groundwater surface elevation across the site was 2.6 feet lower when compared to the prior round of groundwater measurements collected on April 1, 2013. Based on the July 2013 water level measurements, the groundwater surface beneath the site exhibits inward flow towards the DPE wells and the GWCT. As **Figure 4** illustrates, the DPE wells and the GWCT induce groundwater flow reversal along the western AVOX Plant 2 property boundary. This reversal in groundwater flow provides hydraulic capture of VOCs present in the overburden groundwater that might otherwise migrate off-site.

Groundwater Quality Results – July 2013

Table 3 summarizes VOC data for groundwater samples collected in July 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
July 2013**

VOCs Detected in Groundwater	Concentration Range (µg/L)	Number of Detections	Remedial Action Objective/NYCRR Exceedances
Vinyl chloride	6.6 – 5,400	5	5
Chloroethane	3.6 – 1,200	5	3
1,1-Dichloroethane	10 – 1,200	4	4
cis-1,2-Dichloroethene	3.3 – 65,000	4	3
Trichloroethene	0.46 – 120,000	3	2
1,1-Dichloroethene	1.8 – 590	3	2
Trans-1,2-Dichloroethene	120 - 250	2	2
1,1,1-Trichloroethane	1.4 – 2,600	2	1
Benzene	0.95	1	0
1,2-Dichloroethane	0.3	1	0

Ten VOCs were detected in groundwater above their associated detection limit during the monitoring period. Eight of the ten VOCs detected exceeded either the site-specific RAOs for groundwater or the NYCRR criteria. The most prevalent compounds detected in groundwater in July 2013 included vinyl chloride (VC), chloroethane, 1,1-dichloroethane (1,1-DCA), cis-1,2-dichloroethene (cis-1,2-DCE), trichloroethene, and 1,1-dichloroethene (1,1-DCE). The occurrence of the aforementioned 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 July 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 July 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 July 2013 groundwater data, there were increases in TCE concentrations at MW-4 and MW-11 from the previous groundwater sampling event and a decrease in TCE concentration at MW-16S compared to the baseline groundwater sampling event. In addition, the detection of TCE in MW-11 was below 1 µg/L and “J” valued (i.e., estimated as the values were below the method detection limit). 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 – July 2013

AECOM personnel collected vapor effluent samples from the combined DPE groundwater remediation system vapor discharge stacks on July 1, 2013. Summa canisters were used to collect vapor samples from permanent sample ports located on two system air stacks. **Figure 3** shows the location of both vapor sample ports. The first sample was obtained from the vapor effluent discharge from the DPE system at the liquid ring pump (LRP). The second sample was obtained from the air stripper (AS) unit discharge. Air samples were analyzed for VOCs using EPA Method TO-15 (modified TO-14A) by Test America Laboratories, Inc. located in Burlington, Vermont.

Combined DPE Remediation System Effluent Monitoring Results – July 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). Four VOCs were detected in the combined DPE remediation system LRP effluent, and eight VOCs were detected in the AS unit effluent. The total VOCs discharged were 141,590 micrograms per cubic meter (µg/m³) in the LRP effluent and 832 µg/m³ in the AS unit effluent. The calculated VOC discharge-loading rate for the combined DPE remediation system was approximately 0.049 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:

- Performed the DPE conveyance line scale abatement activity with AECOM's subcontractor Matrix Environmental Technologies, Inc. (Matrix) on May 2, 2013.
- Matrix completed repairs to the liquid ring pump and GWCT electrical box on May 23, 2013.
- Matrix completed repairs to the liquid ring pump and air stripper effluent pump on June 28, 2013.
- On July 1, 2013, AECOM and subcontractor Heritage WTI completed a hazardous waste pickup.

The combined DPE remediation system was operational throughout the monitoring period. Based on a system operational period from April 3, 2013 (second quarter groundwater sampling event) to July 1, 2013, the total combined DPE system runtime was approximately 64.9 percent. This

runtime percentage was derived by dividing the LRP run timer (41,657.6 hours on July 1, 2013 minus 40,270.1 hours on April 3, 2013 equals 1,387.5 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 204,637 gallons at a combined average flow rate of 1.60 gallons per minute.

Summary

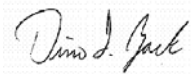
The combined DPE remediation system (DPE and GWCT) was fully operational during Third Quarter 2013 groundwater sampling and monitoring activities that occurred on July 1, 2013. TCE was not detected above its RAO in site perimeter monitoring wells MW-2, MW-3, MW-6, MW-10, MW-11 and MW-12.

Based on the results of the July 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 combined system during the Third Quarter 2013 were less than the NYSDEC discharge guidance value of 0.5 lb/hr.

The next monitoring event is scheduled for October 2013; 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

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TABLES

Table 1

Groundwater Monitoring Schedule - October 2013 through July 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			
October 2013 (Quarterly)	8	MW-2 MW-10	MW-3 MW-11	MW-6 MW-12	MW-8R MW-13S
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-15S	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

Notes:

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

Table 2

**Quarterly Groundwater Monitoring Water Level Data - July 1, 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	6.84	683.51
MW-3	687.02	11.85	675.17
MW-4	686.42	19.10	667.32
MW-6	686.53	11.18	675.35
MW-8R	686.21	12.70	673.51
MW-9	688.64	16.54	672.10
MW-10	687.41	9.77	677.64
MW-11	688.65	14.99	673.66
MW-12	686.15	7.88	678.27
Nested Piezometers			
MW-13S	686.60	6.44	680.16
MW-13D	686.73	14.26	672.47
MW-14S	685.70	6.81	678.89
MW-14D	685.82	19.85	665.97
MW-15S	687.52	1.73	685.79
MW-15D	687.62	16.04	671.58
MW-16S	685.84	9.18	676.66
MW-16D	686.01	16.25	669.76

Notes:

TOC - Top of Casing

AMSL - Above Mean Sea Level

NA - Not available

Table 3

Summary of Laboratory Analytical Data for Groundwater - July 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 07/01/13 480-41198-1	MW-3 07/01/13 480-41198-2	MW-4 07/01/13 480-41198-3	MW-6 07/01/13 480-41198-4
Volatile Organic Compounds by Method 8260 (µg/L)					
1,1,1-Trichloroethane	5	< 1 U	< 1 U	< 100 U	< 1 U
1,1-Dichloroethane	5	< 1 U	10	700	< 1 U
1,1-Dichloroethene	5	< 1 U	< 1 U	150	< 1 U
Benzene	1	< 1 U	< 1 U	< 100 U	< 1 U
Chloroethane	5	3.6	3.6	< 100 U	< 1 U
cis-1,2-Dichloroethene	5	< 1 U	3.5	58,000	< 1 U
Trichloroethene	5	< 1 U	< 1 U	14,000	< 1 U
Vinyl chloride	2	< 1 U	10.0	300	< 1 U
1,2-Dichloroethane	0.6	< 1 U	< 1 U	< 100 U	< 1 U
trans-1,2-Dichloroethene	5	< 1 U	< 1 U	120	< 1 U

Sample ID Date Collected Lab Sample ID	Groundwater RAO/ NYCRR Objectives	MW-10 07/01/13 480-41198-5	MW-11 07/01/13 480-41198-6	MW-12 07/01/13 480-41198-7	MW-16S 07/01/13 480-41198-8
Volatile Organic Compounds by Method 8260 (µg/L)					
1,1,1-Trichloroethane	5	< 1 U	1.4	< 1 U	2,600
1,1-Dichloroethane	5	< 1 U	13	< 1 U	1,200
1,1-Dichloroethene	5	< 1 U	1.8	< 1 U	590
Benzene	1	< 1 U	< 1 U	0.95 J	< 200 U
Chloroethane	5	< 1 U	21	38	1,200
cis-1,2-Dichloroethene	5	< 1 U	55	< 1 U	65,000
Trichloroethene	5	< 1 U	0.46 J	< 1 U	120,000
Vinyl chloride	2	< 1 U	20	6.6	5,400
1,2-Dichloroethane	0.6	< 1 U	< 1 U	0.3 J	< 200 U
trans-1,2-Dichloroethene	5	< 1 U	< 1 U	< 1 U	250

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 - July 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
MW-2	<1	NA	NA	NA	<10	NA	NA	<25	<25	<25	<5	<5	<20	<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
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
MW-6	<1	NA	<10	<10	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	0.63	<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
MW-10	<1	NA	NA	NA	<10	NA	NA	<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
MW-12	NA	NA	13	<10	<10	<5	<5	<25	<25	<25	NA	<5	<20	<5	<5	<5	<5	<5	<5	NA
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
MW-16S	NA	860,000	200,000	420,000	400,000	480,000	440,000	470,000	260,000	310,000	77,000	44,000	94,000	86,000	130,000	67,000	76,000	58,000	63,000	92,000

Notes:

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 - July 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
	Apr 2009 ⁴	Jul 2009 ⁴	Oct 2009 ⁴	Jan 2010 ⁴	Apr 2010 ⁴	Jul 2010 ⁴	Oct 2010 ⁴	Jan 2011 ⁴	Apr 2011 ⁴	Jul 2011 ⁷	Oct 2011 ⁷	Jan 2012 ⁴	Apr 2012 ⁴	Jul 2012 ⁴	Oct 2012 ⁴	Jan 2013 ⁴	Apr 2013 ⁴	Jul 2013 ⁴		
MW-2	<5	<5	<5	<25	<25	<25	350 ⁶	<1	<1	<1	<1	<1	<1	<1	<1	0.89	<1	<1	ND	ND
MW-3	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	0.98	<1	<1	ND	ND
MW-4	4,100	2,300	NS	7,400	3,000	NS	7,800	NS	13,000	NS	17,000	NS	39,000	15,000	NS	40,000	12,000	14,000	increase	increase
MW-6	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND
MW-8R	13,000	NS	1,400	NS	2,500	19,000	NS	99,000	89,000	36,000	33,000	99,000	99,000	NS	89,000	NS	64,000	NS	NS	NS
MW-10	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND
MW- 11	0.95	0.69	0.97	0.77	0.95	1	0.8	NS	1.2	<1	<1	<1	0.51	<1	<1	<1	<1	0.46	increase	95
MW-12	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ND	ND
MW-13S	3,400	NS	400	NS	1,400	400	NS	39,000	40,000	31,000	NS	53,000	39,000	NS	41,000	NS	40,00	NS	NS	NS
MW-16S	130,000	87,000	NS	22,000	220,000	NS	300,000	NS	250,000	NS	190,000	NS	250,000	170,000	NS	240,000	230,000	120,000	48%	86%

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 - July 2013
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID: Sample Date:	LRP Effluent 7/1/2013	AS Effluent 7/1/2013
<u>VOCs by Method TO-15 ($\mu\text{g}/\text{m}^3$)</u>		
Vinyl Chloride	890	2.8
Benzene	210 U	3
Toluene	240 U	6.6
Xylene (total)	280 U	5
1,1-Dichloroethane	490	20
Chloroethane	330 U	95
1,2-Dichloroethene (total)	20,000	430
Trichloroethene	120,000	270
Total Detected VOCs ($\mu\text{g}/\text{m}^3$)	141,590	832
Vacuum (inches Hg)*	22	0.40
Air Flow Rate (acfm)*	91	120
VOC discharge loading (lb/hr)	0.0484	0.0004
Total VOC discharge loading (lb/hr)	0.049	

Notes:

* The LRP flow rate used for the calculation was recorded during the sampling activity (44 scfm, 22 in. Hg) on July 1, 2013.

* The air stripper vacuum measured on July 1, 2013 was 5.5 inches H₂O and the flow rate was 115 scfm.

1. $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

2. acfm = actual cubic feet per minute

3. scfm = standard cubic feet per minute

4. lb/hr = pounds per hour

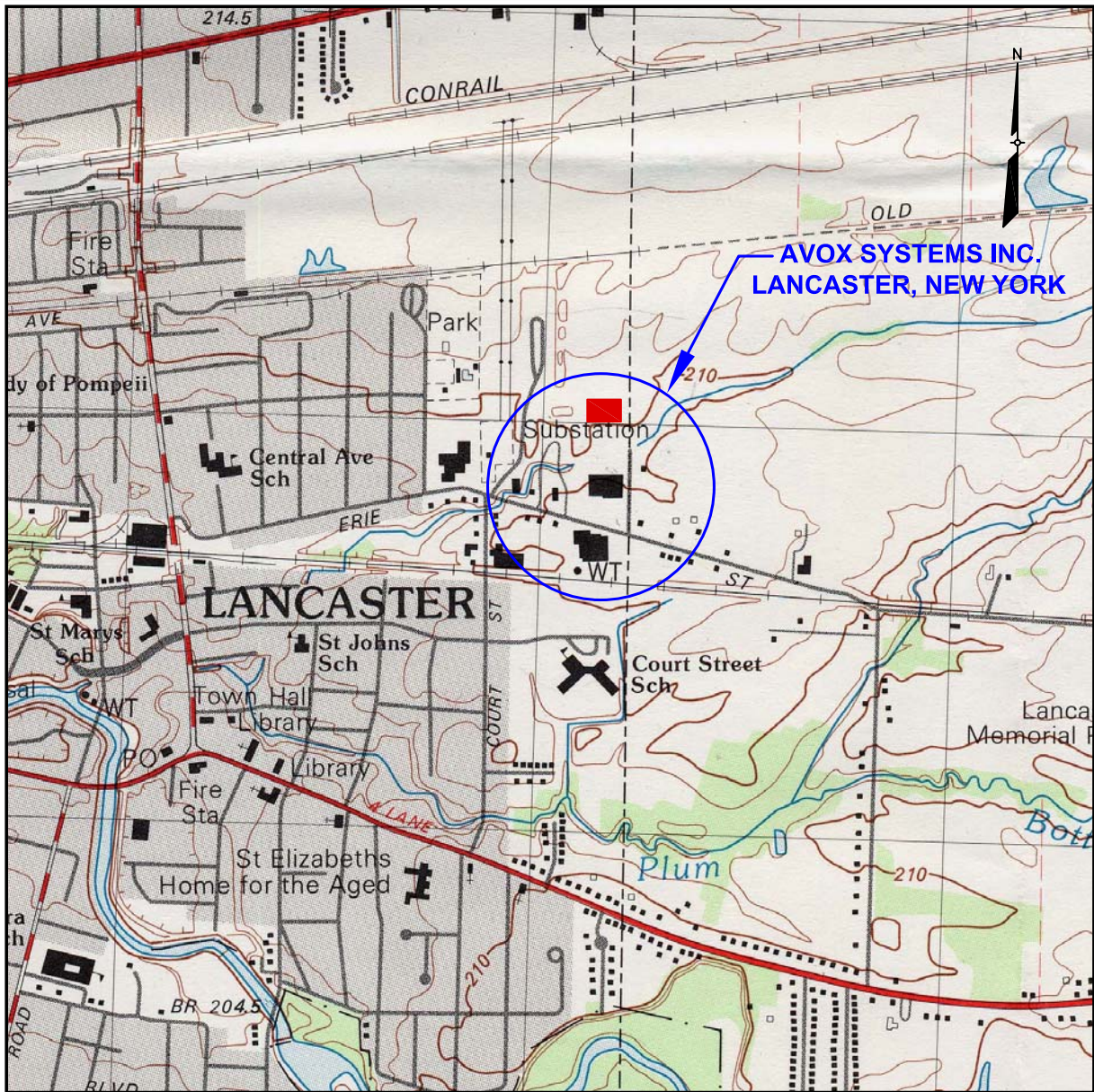
5. LRP Effluent represents the untreated vapor discharge for the Liquid Ring Pump.

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).

FIGURES



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

LEGEND

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

0 1000 2000
SCALE IN FEET

AECOM

**FIGURE 1
SITE LOCATION MAP**

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

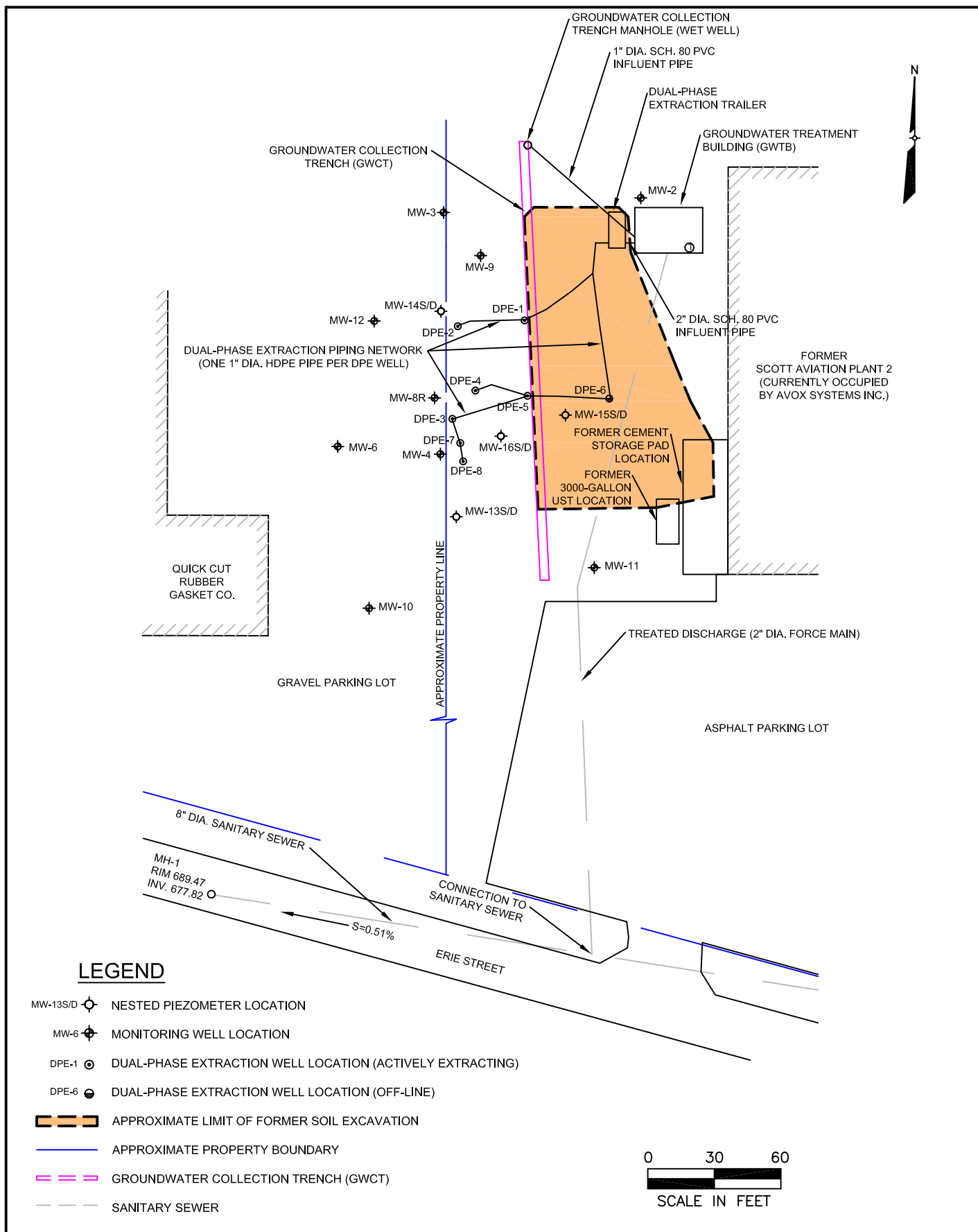
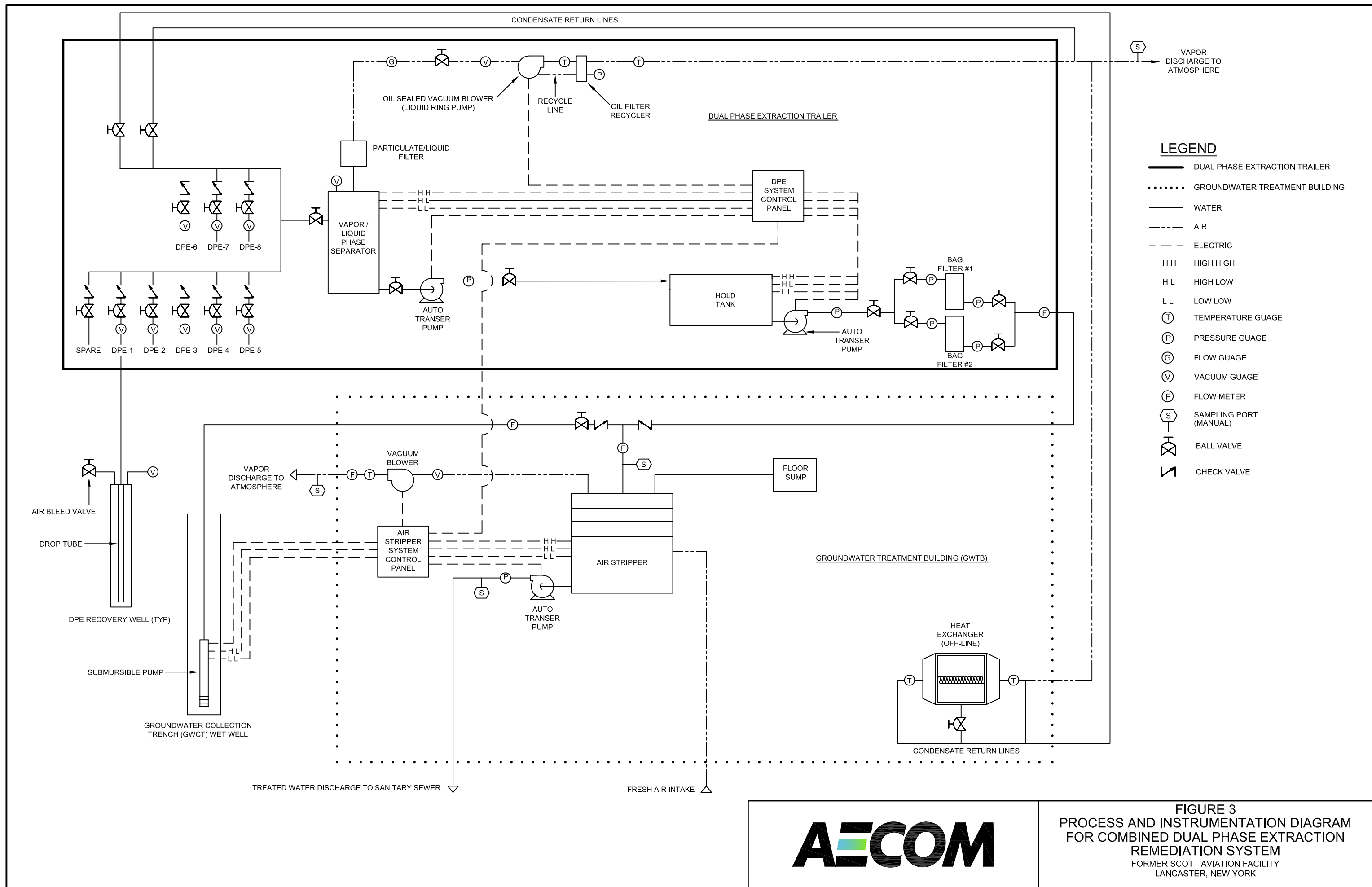


FIGURE 2
SITE FEATURES MAP

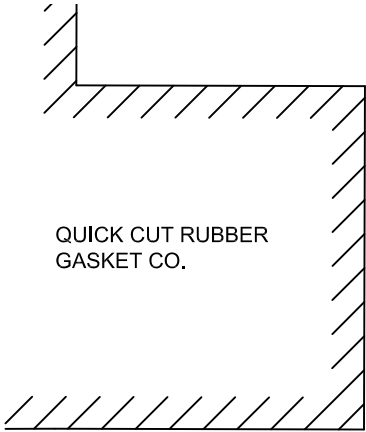
FORMER SCOTT AVIATION FACILITY
 LANCASTER, NEW YORK



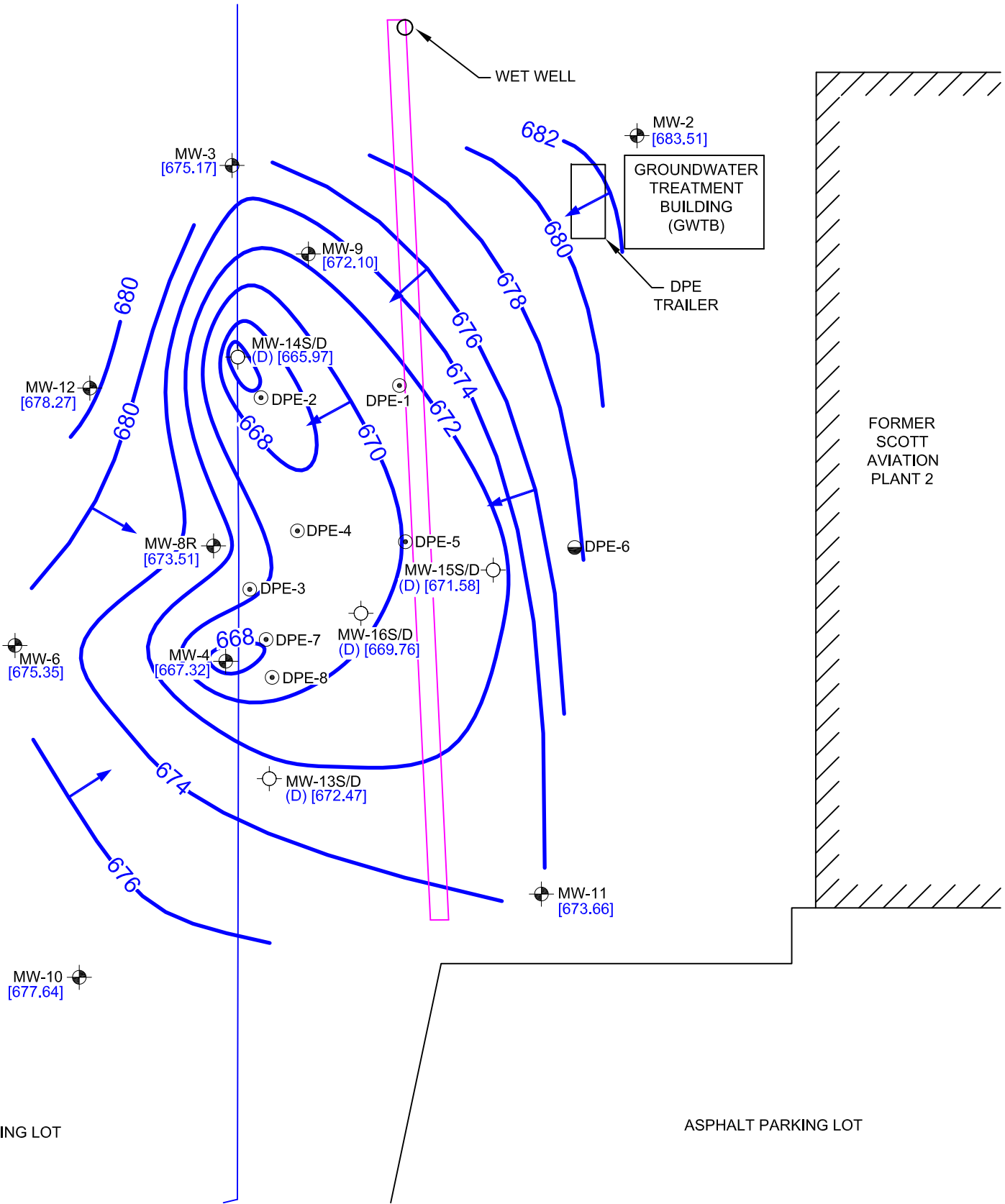
Quarterly Groundwater Monitoring Water Level Data - July 1, 2013
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

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	6.84	683.51
MW-3	687.02	11.85	675.17
MW-4	686.42	19.10	667.32
MW-6	686.53	11.18	675.35
MW-8R	686.21	12.70	673.51
MW-9	688.64	16.54	672.10
MW-10	687.41	9.77	677.64
MW-11	688.65	14.99	673.66
MW-12	686.15	7.88	678.27
Nested Piezometers			
MW-13S	686.60	6.44	680.16
MW-13D	686.73	14.26	672.47
MW-14S	685.70	6.81	678.89
MW-14D	685.82	19.85	665.97
MW-15S	687.52	1.73	685.79
MW-15D	687.62	16.04	671.58
MW-16S	685.84	9.18	676.66
MW-16D	686.01	16.25	669.76

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



GRAVEL 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)

[671.58]

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 JULY 1, 2013.

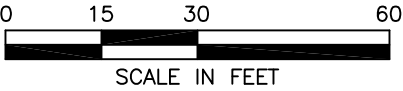


FIGURE 4
GROUNDWATER SURFACE CONTOUR MAP
JULY 2013
DEEP OVERBURDEN GROUNDWATER ELEVATIONS
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



APPENDIX A

Field Forms

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 7/1/2013

Field Personnel Tamara Raby

Site Name Former Scott Aviation Site - Lancaster, NY

Job # 60288479

Well ID # MW-2

 Upgradient Downgradient

Weather Conditions breezey, overcast

Air Temperature 65 ° F

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

Depth to Groundwater (DGW) Below Top of Casing = 6.84 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 9.56 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)	90	90	90	90	90	90		
Time (Military)	9:50	9:55	10:00	10:05	10:10	10:15		
Depth to Groundwater Below Top of Casing (ft)	7.72	7.99	8.33	8.55	8.61	8.65		
Drawdown (ft)	-0.88	-0.27	-0.34	-0.22	-0.06	-0.04		
pH (S.U.)	6.56	6.49	6.56	6.63	6.63	6.63		
Sp. Cond. (mS/cm)	1746	1720	1398	1389	1380	1378		
Turbidity (NTUs)	11.6	9.87	9.78	10.01	9.6	9.59		
Dissolved Oxygen (mg/L)	3.2	2.8	2.4	2.22	2.12	2.1		
Water Temperature (°C)	15.7	15.8	15.9	15.9	15.9	15.9		
ORP (mV)	-68.7	-72.6	-35.6	-31.7	-34.4	-36.8		

Physical appearance at start Color clear w/ little iron bacteriaOdor noSheen/Free Product noPhysical appearance at sampling Color clear w/ little iron bacteriaOdor noSheen/Free Product COMMENTS/OBSERVATIONS Sample at 10:15hrs

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71149\Admin\Project Management\Appendix A - July 2013 field forms.xlsm

Date (mo/day/yr)	7/1/2013	
Field Personnel	Tamara Raby	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60288479	
Well ID #	MW-6	
	Upgradient	Downgradient
Weather Conditions	overcast, breezy	
Air Temperature	70	
Total Depth (TWD) Below Top of Casing =	25	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	11.21	1/100 ft
Length of Water Column (LWC) = TWD - DGW =	13.79	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

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)	90	90	90	90	90	90		
Time (Military)	12:45	12:50	12:55	13:00	13:05	13:10		
Depth to Groundwater Below Top of Casing (ft)	11.61	11.65	11.76	11.92	12	12.08		
Drawdown (ft)	-0.4	-0.04	-0.11	-0.16	-0.08	-0.08		
pH (S.U.)	7.59	7.46	7.47	7.47	7.46	7.46		
Sp. Cond. (mS/cm)	725	990	1115	997	985	978		
Turbidity (NTUs)	8.79	7.62	7.64	5.45	4.98	4.88		
Dissolved Oxygen (mg/L)	0.72	0.77	0.55	0.25	0.2	0.22		
Water Temperature (°C)	19.6	18.3	15.1	14.1	14.2	14.1		
ORP (mV)	50.3	-32.8	-34.4	-35.3	-40.6	-42.6		

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

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

COMMENTS/OBSERVATIONS	Sample at 12:10hrs

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	7/1/2013	
Field Personnel	Tamara Raby	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60288479	
Well ID #	MW-10	
	Upgradient	Downgradient
Weather Conditions	breezey and overcast	
Air Temperature	65	° F
Total Depth (TWD) Below Top of Casing =	24	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	9.77	1/100 ft
Length of Water Column (LWC) = TWD - DGW =	14.23	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

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	100	100			
Time (Military)	11:10	11:15	11:20	11:25	11:30			
Depth to Groundwater Below Top of Casing (ft)								
	9.99	10.21	10.32	10.45	10.51			
Drawdown (ft)	-0.22	-0.22	-0.11	-0.13	-0.06			
pH (S.U.)	6.97	6.83	6.81	6.8	6.8			
Sp. Cond. (mS/cm)	2173	1986	1920	1928	1926			
Turbidity (NTUs)	3.42	3.36	3.06	2.98	2.85			
Dissolved Oxygen (mg/L)	0.52	0.12	0.11	0.12	0.13			
Water Temperature (°C)	14.3	14.4	14.4	14.4	14.4			
ORP (mV)	-36.1	-4.1	15.6	11.8	13.5			

Physical appearance at start	Color	<u>clear</u>
	Odor	no

Sheen/Free Product	no

Physical appearance at sampling	Color	clear
	Odor	no

Sheen/Free Product	no

COMMENTS/OBSERVATIONS	Sample at 11:30 hrs

GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	7/1/2013	
Field Personnel	Tamara Raby	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60288479	
Well ID #	MW-11	
	Upgradient	Downgradient
Weather Conditions	breezey and overcase	
Air Temperature	65	
Total Depth (TWD) Below Top of Casing =	28.5	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	14.99	1/100 ft
Length of Water Column (LWC) = TWD - DGW =	13.51	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

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)	90	90	90	90	90	90		
Time (Military)	10:35	10:40	10:45	10:50	10:55	11:00		
Depth to Groundwater Below Top of Casing (ft)	15.15	15.21	15.25	15.29	15.33	15.35		
Drawdown (ft)	-0.16	-0.06	-0.04	-0.04	-0.04	-0.02		
pH (S.U.)	6.97	6.63	6.63	6.63	6.63	6.64		
Sp. Cond. (mS/cm)	4079	4119	4137	4120	4131	4131		
Turbidity (NTUs)	2.88	2.28	1.73	1.88	1.64	1.62		
Dissolved Oxygen (mg/L)	0.88	0.26	0.2	0.21	0.19	0.18		
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	<u>clear</u>
	Odor	no

Sheen/Free Product	no

Physical appearance at sampling	Color	<u>clear</u>
	Odor	no

Sheen/Free Product	no

COMMENTS/OBSERVATIONS	Sample at 11:00 hrs

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GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 7/1/2013
 Field Personnel Tamara Raby
 Site Name Former Scott Aviation Site - Lancaster, NY
 Job # 60288479
 Well ID # MW-16S

 Upgradient Downgradient

Weather Conditions rain

Air Temperature 70 ° F

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

Depth to Groundwater (DGW) Below Top of Casing = 9.3 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 6.1 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 1 inches

Casing Material PVC

Measuring Point Elevation 685.84 1/100 ft

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

Land Surface Elevation 1/100 ft

Screened Interval (below land surface) 12 - 18 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)	90	90	90	90	90	90	90	
Time (Military)	15:00	15:05	15:10	15:15	15:20	15:25	15:30	
Depth to Groundwater Below Top of Casing (ft)	10.02	10.56	10.98	11.5	12.1	12.5	12.65	
Drawdown (ft)	-0.72	-0.54	-0.42	-0.52	-0.6	-0.4	-0.15	
pH (S.U.)	7	6.99	6.98	6.98	6.95	6.91	6.89	
Sp. Cond. (mS/cm)	1828	1821	16.51	1374	1603	1650	1659	
Turbidity (NTUs)	60	50	32.3	35.4	36.2	38.2	36.8	
Dissolved Oxygen (mg/L)	0.38	0.29	0.3	0.32	0.35	0.37	0.36	
Water Temperature (°C)	13.8	13.8	13.8	13.6	13.5	13.6	13.7	
ORP (mV)	-93.1	-100.2	-109.8	-78.7	-73.2	-75.6	-77.6	

Physical appearance at start Color clear

Odor no

Sheen/Free Product no

Physical appearance at sampling Color clear

Odor no

Sheen/Free Product no

COMMENTS/OBSERVATIONS Sample at 15:30 hrs



APPENDIX B

Summary of Groundwater Elevations

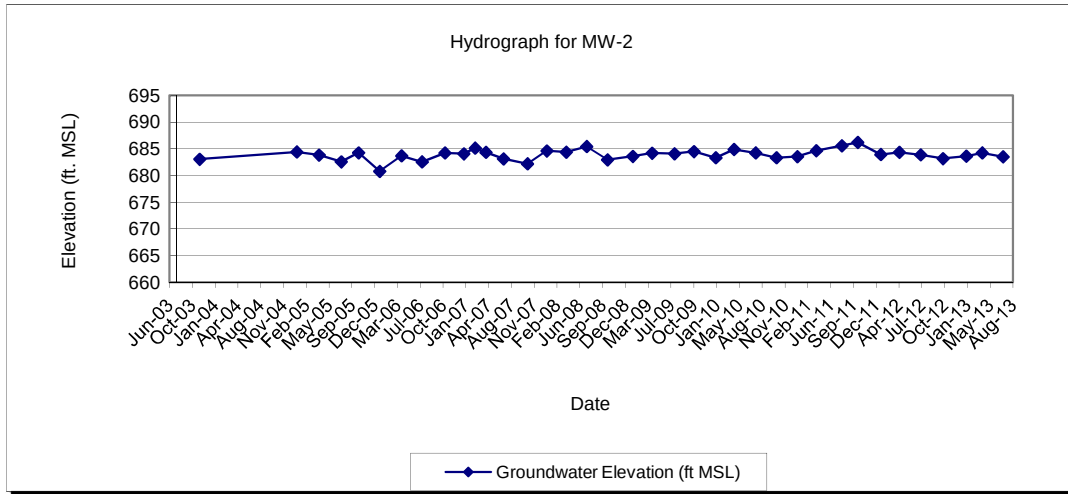
**MONITORING WELL MW-2
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York**

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

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
TOC Elevation as of 6/13/08 - 690.35

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



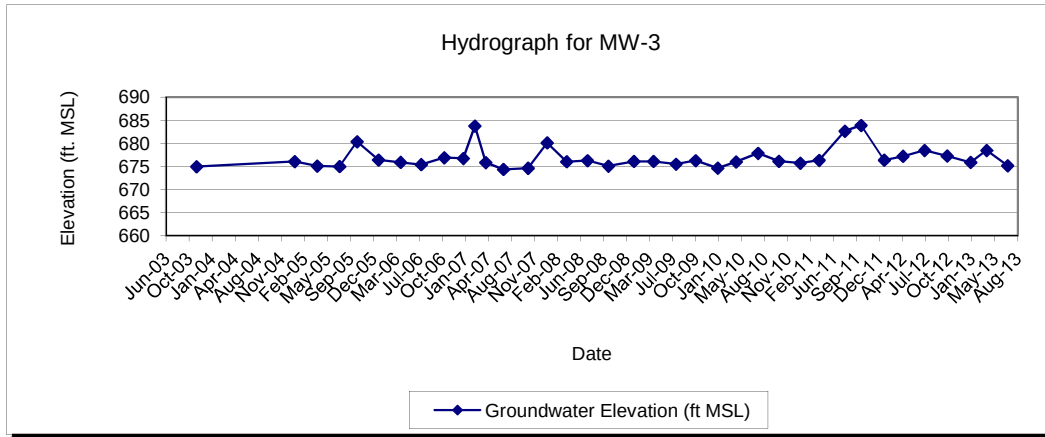
**MONITORING WELL MW-3
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York**

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

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
 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

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

TOC Elevation as of 6/13/08 - 686.42

Hydrograph for MW-4

The graph displays the groundwater elevation in feet above Mean Sea Level (ft. MSL) for monitoring well MW-4 from March 2003 to August 2013. The y-axis represents Elevation (ft. MSL) ranging from 660 to 690. The x-axis represents the Date, with labels every three months. The data shows significant fluctuations, with major peaks occurring in late 2007 and late 2011, and major troughs in mid-2006 and mid-2012.

Date	Groundwater Elevation (ft. MSL)
Mar-03	678
Jun-03	678
Oct-03	678
Jan-04	678
Apr-04	678
Jul-04	678
Oct-04	678
Jan-05	678
Apr-05	678
Jul-05	678
Oct-05	678
Jan-06	678
Apr-06	678
Jul-06	678
Oct-06	678
Jan-07	678
Apr-07	678
Jul-07	678
Oct-07	678
Jan-08	678
Apr-08	678
Jul-08	678
Oct-08	678
Jan-09	678
Apr-09	678
Jul-09	678
Oct-09	678
Jan-10	678
Apr-10	678
Jul-10	678
Oct-10	678
Jan-11	678
Apr-11	678
Jul-11	678
Oct-11	678
Jan-12	678
Apr-12	678
Jul-12	678
Oct-12	678
Jan-13	678
Apr-13	678
Jul-13	678
Oct-13	678
Jan-14	678
Apr-14	678
Jul-14	678
Oct-14	678
Jan-15	678
Apr-15	678
Jul-15	678
Oct-15	678
Jan-16	678
Apr-16	678
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Jan-17	678
Apr-17	678
Jul-17	678
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Jan-36	678
Apr-36	678
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Jan-37	678
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Jan-38	678
Apr-38	678
Jul-38	678
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Jan-39	678
Apr-39	678
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Jan-40	678
Apr-40	678
Jul-40	678
Oct-40	678
Jan-41	678
Apr-41	678
Jul-41	678
Oct-41	678
Jan-42	678
Apr-42	678
Jul-42	678
Oct-42	678
Jan-43	678
Apr-43	678
Jul-43	678
Oct-43	678
Jan-44	678
Apr-44	678
Jul-44	678
Oct-44	678
Jan-45	678
Apr-45	678
Jul-45	678
Oct-45	678
Jan-46	678
Apr-46	678
Jul-46	678
Oct-4	

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

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	11.06	675.62
4/8/2004	NM	NA
10/12/2004	9.95	676.73
1/6/2005	13.00	673.68
4/14/2005	11.57	675.11
7/20/2005	12.88	673.80
10/4/2005	8.55	678.13
1/5/2006	12.11	674.57
4/11/2006	11.91	674.77
7/10/2006	12.5	674.18
10/18/2006	11.02	675.66
1/9/2007	11.1	675.58
2/28/2007	4.35	682.33
4/16/2007	11.81	674.87
7/2/2007	12.85	673.83
10/17/2007	13.09	673.59
1/8/2008	7.02	679.66
4/2/2008	11.00	675.68
7/1/2008	10.98	675.55
9/30/2008	11.39	675.14
1/19/2009	9.68	676.85
4/14/2009	10.02	676.51
7/21/2009	11.50	675.03
10/14/2009	10.35	676.18
1/18/2010	11.20	675.33
4/8/2010	10.05	676.48
7/12/2010	9.25	677.28
10/11/2010	9.91	676.62
1/12/2011	10.56	675.97
4/4/2011	10.27	676.26
7/25/2011	4.17	682.36
10/3/2011	3.45	683.08
1/12/2012	9.86	676.67
4/2/2012	9.39	677.14
7/5/2012	7.64	678.89
10/11/2012	10.80	675.73
1/21/2013	10.12	676.41
4/1/2013	8.41	678.12
7/1/2013	11.18	675.35

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

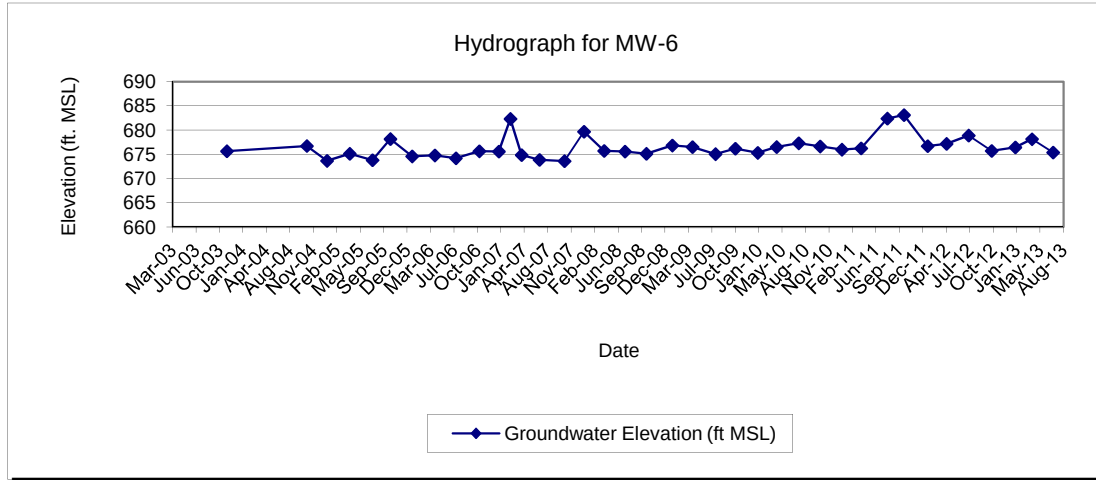
TOC Elevation - 686.68

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 686.53

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



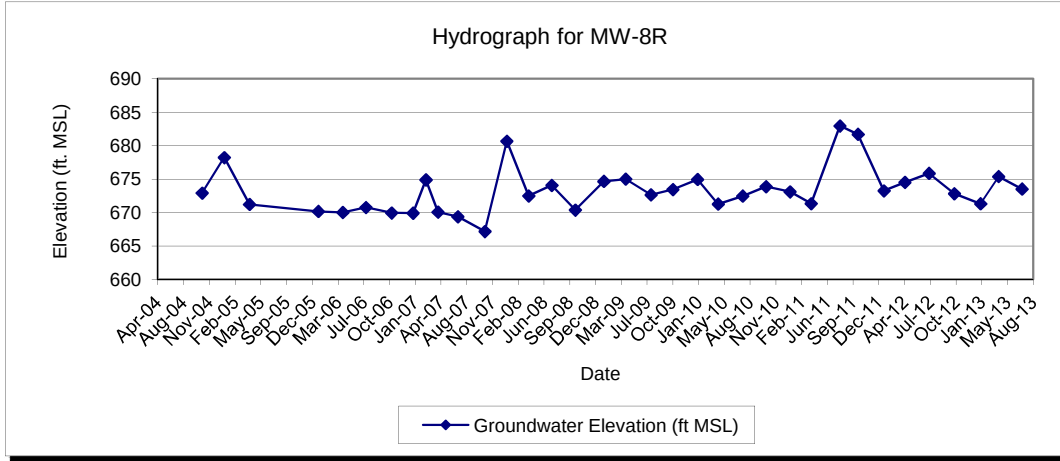
MONITORING WELL MW-8R
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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

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
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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

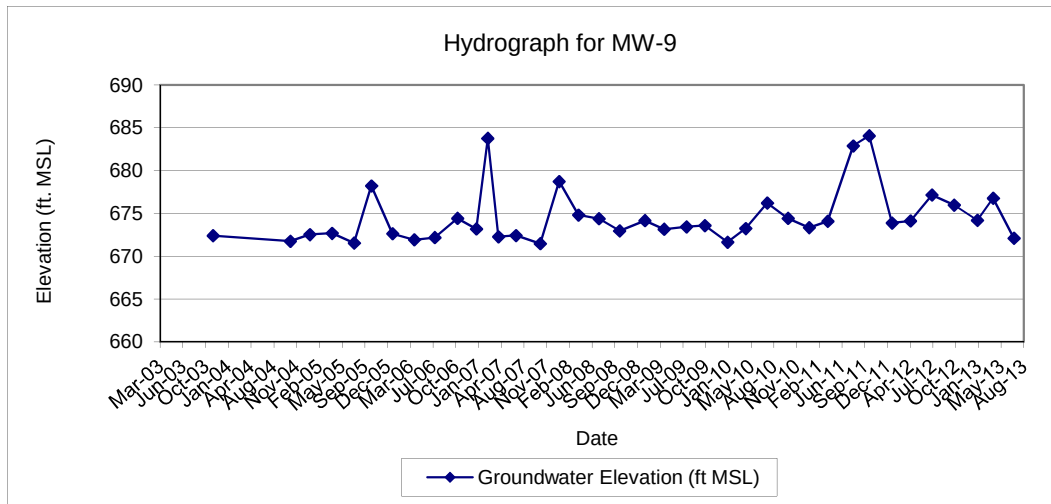
TOC Elevation - 685.43

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

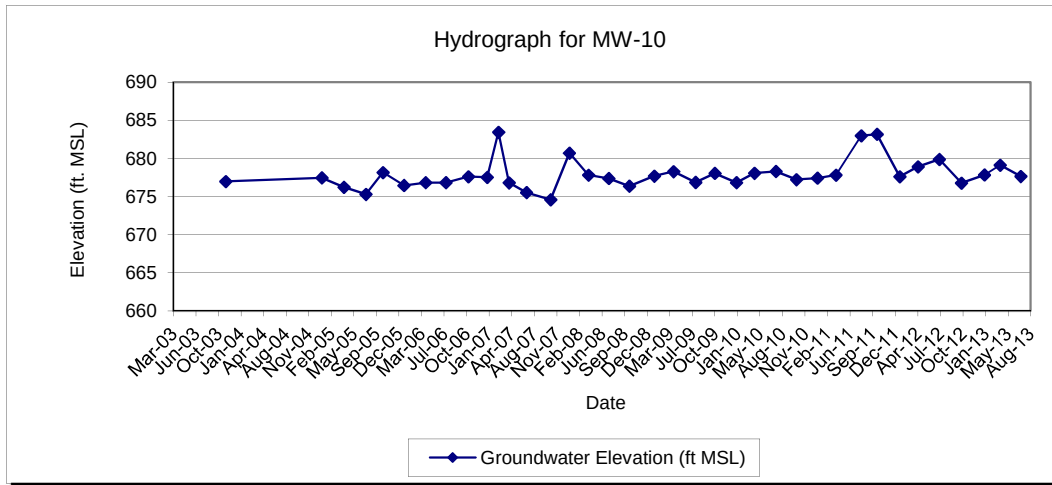
TOC Elevation - 687.72

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 687.41

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



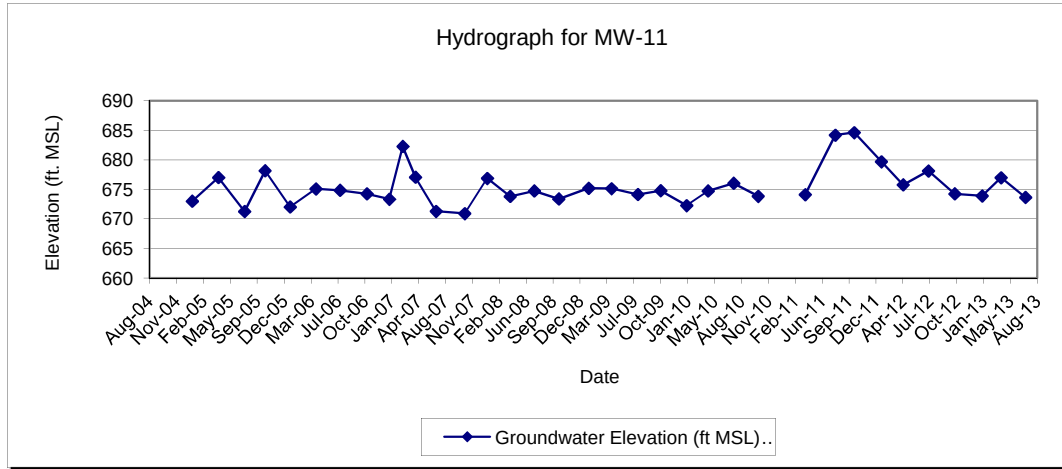
MONITORING WELL MW-11
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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

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
 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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.79

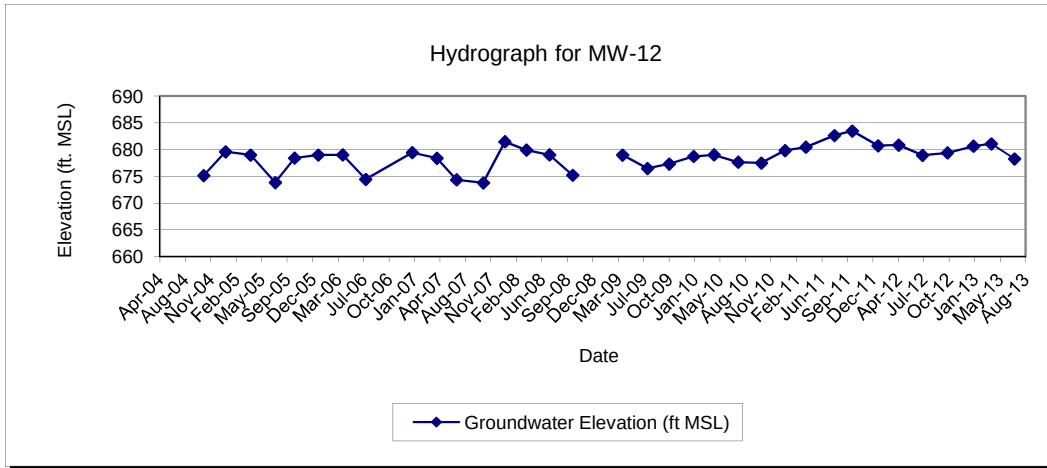
NM* - Well could not be located due to snow cover

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 686.14

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



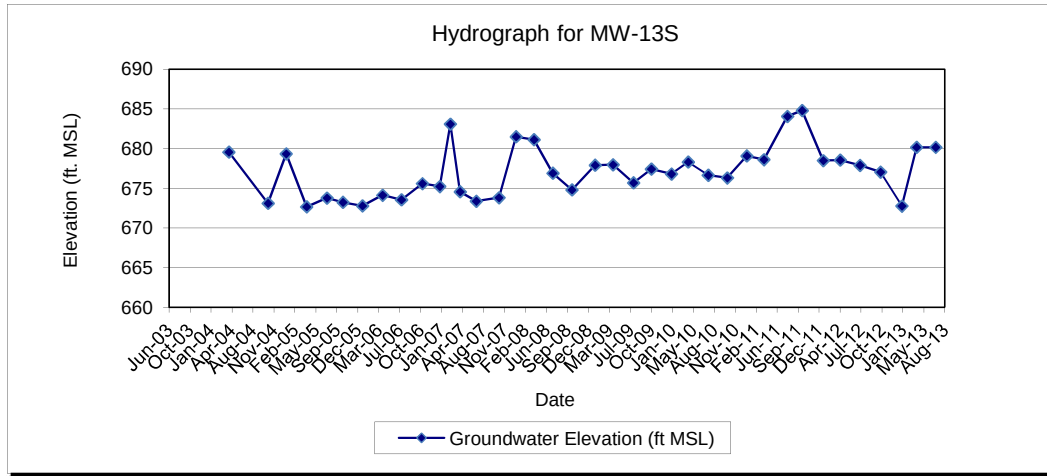
MONITORING WELL MW-13S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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

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
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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

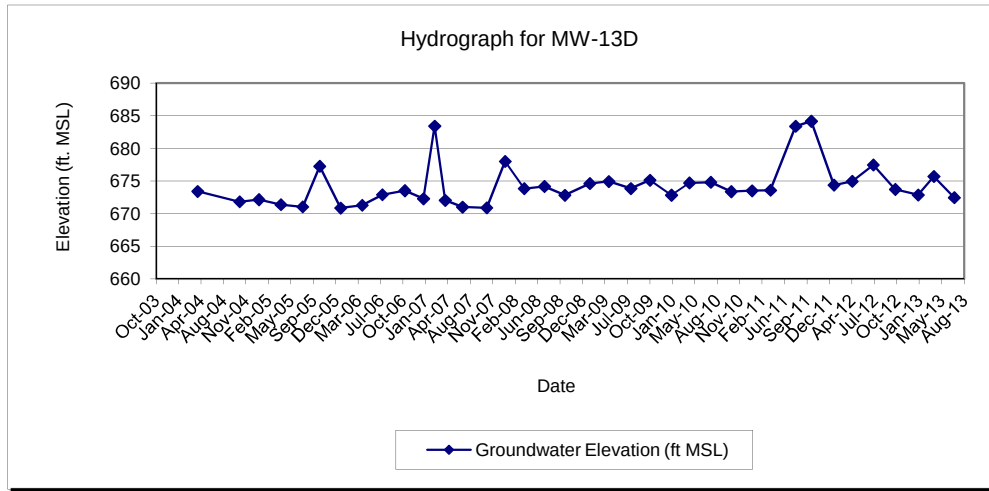
TOC Elevation - 686.71

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 686.73

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



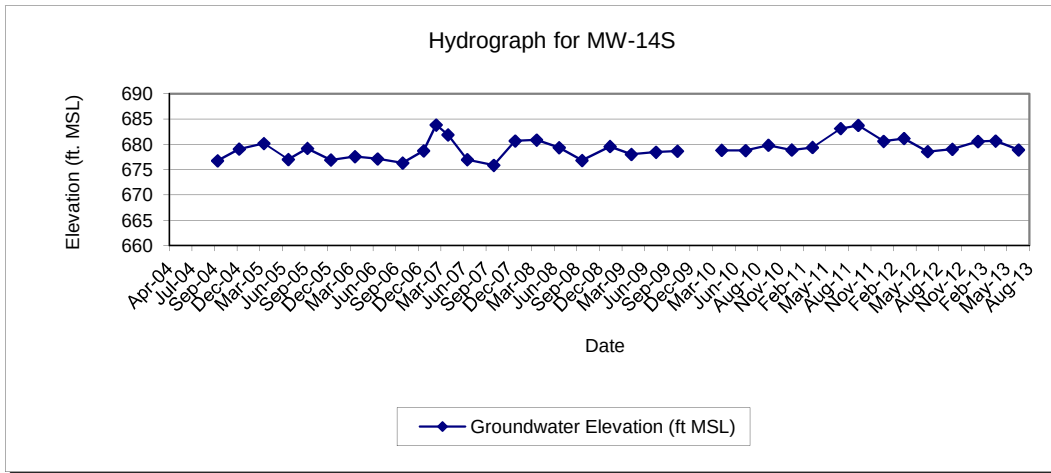
MONITORING WELL MW-14S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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

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
TOC Elevation as of 6/13/08 - 685.70

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



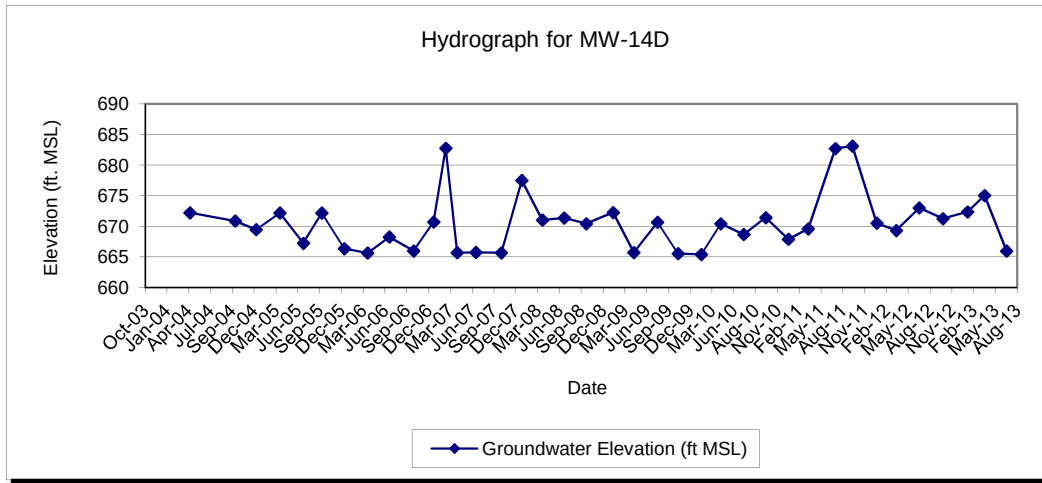
MONITORING WELL MW-14D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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

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
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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

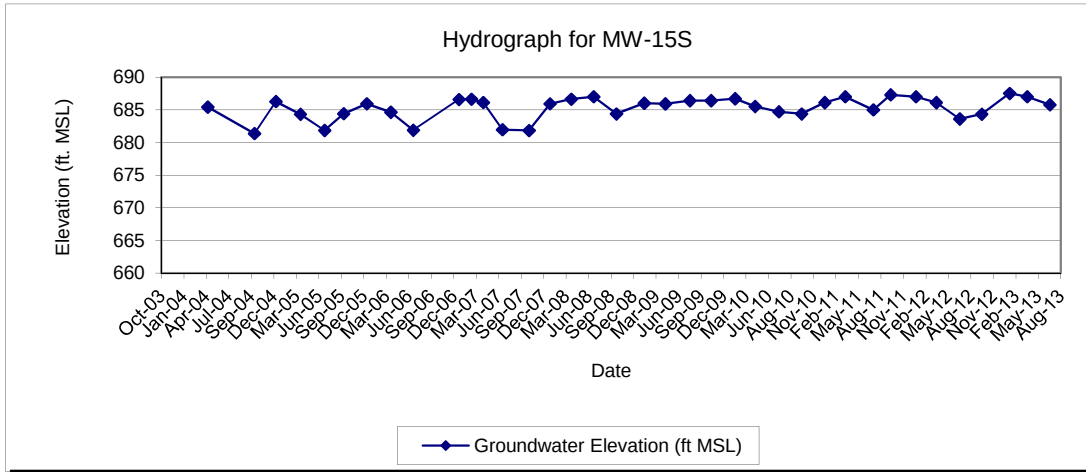
TOC Elevation - 686.64'

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

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

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



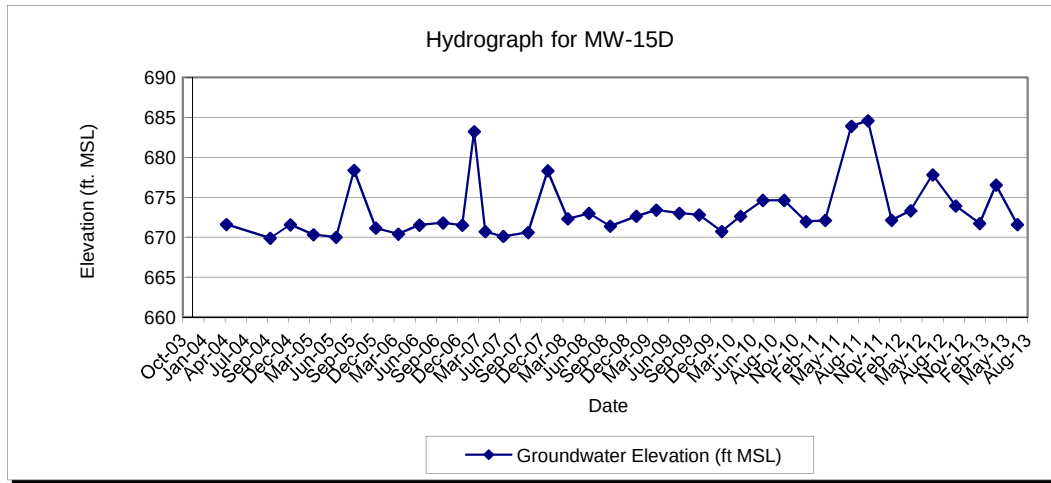
MONITORING WELL MW-15D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

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

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
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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 685.84'

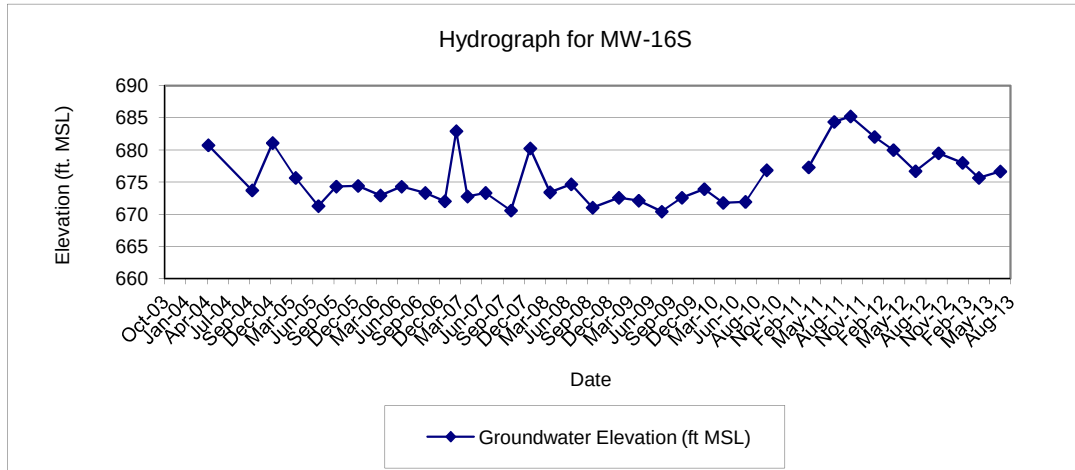
DPE and GWCT down on 2/28/07

DPE down on 1/8/08

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

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

TOC Elevation - 686.01'

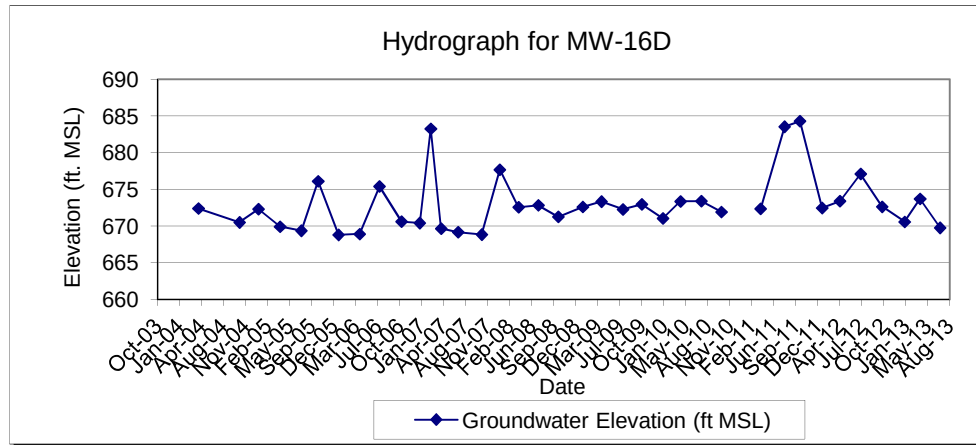
DPE and GWCT down on 2/28/07

DPE down on 1/8/08

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





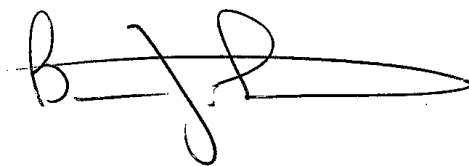
APPENDIX C

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

ANALYTICAL REPORT

Job Number: 480-41199-1
Job Description: Scott Aviation site
Sampling Event: Air analysis

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



Approved for release.
Brian J Fischer
Project Manager II
7/16/2013 2:33 PM

Brian J Fischer, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9835
brian.fischer@testamericainc.com
07/16/2013

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
480-41199-1

Comments

No additional comments.

Receipt

The samples were received on 7/1/2013 11:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 21.1° C.

Air Toxics

Method(s) TO-15: The initial calibration verification (ICV) for analytical batch 58342 was outside control criteria for acetone. The data have been qualified and reported.

Method(s) TO-15: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 58342 recovered outside control limits for the following analytes: acetone.

No other analytical or quality issues were noted.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-41199-1

SDG No.: _____

Instrument ID: G.i Analysis Batch Number: 58308Lab Sample ID: IC 200-58308/7 Client Sample ID: _____Date Analyzed: 07/09/13 21:09 Lab File ID: gif07.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	3.85	Peak not found by the data system	pd	07/10/13 10:54
1,1-Dichloroethane	9.13	Peak not found by the data system	pd	07/10/13 10:55
cis-1,2-Dichloroethene	10.29	Baseline event	pd	07/10/13 10:55

Lab Sample ID: IC 200-58308/8 Client Sample ID: _____Date Analyzed: 07/09/13 21:56 Lab File ID: gif08.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Freon 22	3.20	Peak not found by the data system	pd	07/10/13 10:57
Isopentane	4.99	Baseline event	pd	07/10/13 10:57
n-Pentane	5.61	Peak not found by the data system	pd	07/10/13 10:57
Cyclohexane	11.16	Baseline event	pd	07/10/13 10:58
n-Decane	21.81	Peak not found by the data system	pd	07/10/13 10:59

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 480-41199-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-41199-1	LRP Effluent 3Q13	Air	07/01/2013 1120	07/01/2013 2330
480-41199-2	AS Effluent 3Q13	Air	07/01/2013 1130	07/01/2013 2330

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-41199-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-41199-1 LRP EFFLUENT 3Q13						
Vinyl chloride		350		64	ppb v/v	TO-15
Vinyl chloride		890		160	ug/m3	TO-15
1,1-Dichloroethane		120		64	ppb v/v	TO-15
1,1-Dichloroethane		490		260	ug/m3	TO-15
cis-1,2-Dichloroethene		5100		64	ppb v/v	TO-15
cis-1,2-Dichloroethene		20000		260	ug/m3	TO-15
1,2-Dichloroethene, Total		5100		64	ppb v/v	TO-15
1,2-Dichloroethene, Total		20000		260	ug/m3	TO-15
Trichloroethene		4900		64	ppb v/v	TO-15
Trichloroethene		26000		350	ug/m3	TO-15
480-41199-2 AS EFFLUENT 3Q13						
Vinyl chloride		12		0.80	ppb v/v	TO-15
Vinyl chloride		31		2.0	ug/m3	TO-15
Chloroethane		36		2.0	ppb v/v	TO-15
Chloroethane		95		5.3	ug/m3	TO-15
1,1-Dichloroethane		5.0		0.80	ppb v/v	TO-15
1,1-Dichloroethane		20		3.2	ug/m3	TO-15
cis-1,2-Dichloroethene		110		0.80	ppb v/v	TO-15
cis-1,2-Dichloroethene		420		3.2	ug/m3	TO-15
1,2-Dichloroethene, Total		110		0.80	ppb v/v	TO-15
1,2-Dichloroethene, Total		430		3.2	ug/m3	TO-15
Benzene		0.89		0.80	ppb v/v	TO-15
Benzene		2.8		2.6	ug/m3	TO-15
Trichloroethene		50		0.80	ppb v/v	TO-15
Trichloroethene		270		4.3	ug/m3	TO-15
Toluene		1.7		0.80	ppb v/v	TO-15
Toluene		6.6		3.0	ug/m3	TO-15
Xylene (total)		1.2		0.80	ppb v/v	TO-15
Xylene (total)		5.0		3.5	ug/m3	TO-15

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 480-41199-1

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: 480-41199-1

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

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41199-1

Client Sample ID: LRP Effluent 3Q13

Lab Sample ID: 480-41199-1

Date Sampled: 07/01/2013 1120

Client Matrix: Air

Date Received: 07/01/2013 2330

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-58342	Instrument ID:	G.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	gifa10.d
Dilution:	322			Initial Weight/Volume:	33 mL
Analysis Date:	07/10/2013 2252			Final Weight/Volume:	200 mL
Prep Date:	07/10/2013 2252			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Dichlorodifluoromethane	ND		160	160
1,2-Dichlorotetrafluoroethane	ND		64	64
Chloromethane	ND		160	160
Vinyl chloride	350		64	64
1,3-Butadiene	ND		64	64
Bromomethane	ND		64	64
Chloroethane	ND		160	160
Bromoethene(Vinyl Bromide)	ND		64	64
Trichlorofluoromethane	ND		64	64
Freon TF	ND		64	64
1,1-Dichloroethene	ND		64	64
Acetone	ND	^ *	1600	1600
Isopropyl alcohol	ND		1600	1600
Carbon disulfide	ND		160	160
3-Chloropropene	ND		160	160
Methylene Chloride	ND		160	160
tert-Butyl alcohol	ND		1600	1600
Methyl tert-butyl ether	ND		64	64
trans-1,2-Dichloroethene	ND		64	64
n-Hexane	ND		64	64
1,1-Dichloroethane	120		64	64
Methyl Ethyl Ketone	ND		160	160
cis-1,2-Dichloroethene	5100		64	64
1,2-Dichloroethene, Total	5100		64	64
Chloroform	ND		64	64
Tetrahydrofuran	ND		1600	1600
1,1,1-Trichloroethane	ND		64	64
Cyclohexane	ND		64	64
Carbon tetrachloride	ND		64	64
2,2,4-Trimethylpentane	ND		64	64
Benzene	ND		64	64
1,2-Dichloroethane	ND		64	64
n-Heptane	ND		64	64
Trichloroethene	4900		64	64
1,2-Dichloropropane	ND		64	64
1,4-Dioxane	ND		1600	1600
Bromodichloromethane	ND		64	64
cis-1,3-Dichloropropene	ND		64	64
methyl isobutyl ketone	ND		160	160
Toluene	ND		64	64
trans-1,3-Dichloropropene	ND		64	64
1,1,2-Trichloroethane	ND		64	64
Tetrachloroethene	ND		64	64
Methyl Butyl Ketone (2-Hexanone)	ND		160	160
Dibromochloromethane	ND		64	64
1,2-Dibromoethane	ND		64	64

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41199-1

Client Sample ID: LRP Effluent 3Q13

Lab Sample ID: 480-41199-1

Date Sampled: 07/01/2013 1120

Client Matrix: Air

Date Received: 07/01/2013 2330

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-58342	Instrument ID:	G.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	gifa10.d
Dilution:	322			Initial Weight/Volume:	33 mL
Analysis Date:	07/10/2013 2252			Final Weight/Volume:	200 mL
Prep Date:	07/10/2013 2252			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Chlorobenzene	ND		64	64
Ethylbenzene	ND		64	64
m,p-Xylene	ND		160	160
Xylene, o-	ND		64	64
Xylene (total)	ND		64	64
Styrene	ND		64	64
Bromoform	ND		64	64
1,1,2,2-Tetrachloroethane	ND		64	64
4-Ethyltoluene	ND		64	64
1,3,5-Trimethylbenzene	ND		64	64
2-Chlorotoluene	ND		64	64
1,2,4-Trimethylbenzene	ND		64	64
1,3-Dichlorobenzene	ND		64	64
1,4-Dichlorobenzene	ND		64	64
1,2-Dichlorobenzene	ND		64	64
1,2,4-Trichlorobenzene	ND		160	160
Hexachlorobutadiene	ND		64	64

Analyte	Result (ug/m3)	Qualifier	RL	RL
Dichlorodifluoromethane	ND		800	800
1,2-Dichlorotetrafluoroethane	ND		450	450
Chloromethane	ND		330	330
Vinyl chloride	890		160	160
1,3-Butadiene	ND		140	140
Bromomethane	ND		250	250
Chloroethane	ND		420	420
Bromoethene(Vinyl Bromide)	ND		280	280
Trichlorofluoromethane	ND		360	360
Freon TF	ND		490	490
1,1-Dichloroethene	ND		260	260
Acetone	ND	^ *	3800	3800
Isopropyl alcohol	ND		4000	4000
Carbon disulfide	ND		500	500
3-Chloropropene	ND		500	500
Methylene Chloride	ND		560	560
tert-Butyl alcohol	ND		4900	4900
Methyl tert-butyl ether	ND		230	230
trans-1,2-Dichloroethene	ND		260	260
n-Hexane	ND		230	230
1,1-Dichloroethane	490		260	260
Methyl Ethyl Ketone	ND		470	470
cis-1,2-Dichloroethene	20000		260	260
1,2-Dichloroethene, Total	20000		260	260
Chloroform	ND		310	310
Tetrahydrofuran	ND		4700	4700
1,1,1-Trichloroethane	ND		350	350

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41199-1

Client Sample ID: LRP Effluent 3Q13

Lab Sample ID: 480-41199-1

Date Sampled: 07/01/2013 1120

Client Matrix: Air

Date Received: 07/01/2013 2330

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-58342	Instrument ID:	G.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	gifa10.d
Dilution:	322			Initial Weight/Volume:	33 mL
Analysis Date:	07/10/2013 2252			Final Weight/Volume:	200 mL
Prep Date:	07/10/2013 2252			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL	RL
Cyclohexane	ND		220	220
Carbon tetrachloride	ND		410	410
2,2,4-Trimethylpentane	ND		300	300
Benzene	ND		210	210
1,2-Dichloroethane	ND		260	260
n-Heptane	ND		260	260
Trichloroethene	26000		350	350
1,2-Dichloropropane	ND		300	300
1,4-Dioxane	ND		5800	5800
Bromodichloromethane	ND		430	430
cis-1,3-Dichloropropene	ND		290	290
methyl isobutyl ketone	ND		660	660
Toluene	ND		240	240
trans-1,3-Dichloropropene	ND		290	290
1,1,2-Trichloroethane	ND		350	350
Tetrachloroethene	ND		440	440
Methyl Butyl Ketone (2-Hexanone)	ND		660	660
Dibromochloromethane	ND		550	550
1,2-Dibromoethane	ND		490	490
Chlorobenzene	ND		300	300
Ethylbenzene	ND		280	280
m,p-Xylene	ND		700	700
Xylene, o-	ND		280	280
Xylene (total)	ND		280	280
Styrene	ND		270	270
Bromoform	ND		670	670
1,1,2,2-Tetrachloroethane	ND		440	440
4-Ethyltoluene	ND		320	320
1,3,5-Trimethylbenzene	ND		320	320
2-Chlorotoluene	ND		330	330
1,2,4-Trimethylbenzene	ND		320	320
1,3-Dichlorobenzene	ND		390	390
1,4-Dichlorobenzene	ND		390	390
1,2-Dichlorobenzene	ND		390	390
1,2,4-Trichlorobenzene	ND		1200	1200
Hexachlorobutadiene	ND		690	690

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41199-1

Client Sample ID: AS Effluent 3Q13

Lab Sample ID: 480-41199-2

Date Sampled: 07/01/2013 1130

Client Matrix: Air

Date Received: 07/01/2013 2330

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-58342	Instrument ID:	G.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	gifa11.d
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	07/10/2013 2339			Final Weight/Volume:	200 mL
Prep Date:	07/10/2013 2339			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Dichlorodifluoromethane	ND		2.0	2.0
1,2-Dichlorotetrafluoroethane	ND		0.80	0.80
Chloromethane	ND		2.0	2.0
Vinyl chloride	12		0.80	0.80
1,3-Butadiene	ND		0.80	0.80
Bromomethane	ND		0.80	0.80
Chloroethane	36		2.0	2.0
Bromoethene(Vinyl Bromide)	ND		0.80	0.80
Trichlorofluoromethane	ND		0.80	0.80
Freon TF	ND		0.80	0.80
1,1-Dichloroethene	ND		0.80	0.80
Acetone	ND	^ *	20	20
Isopropyl alcohol	ND		20	20
Carbon disulfide	ND		2.0	2.0
3-Chloropropene	ND		2.0	2.0
Methylene Chloride	ND		2.0	2.0
tert-Butyl alcohol	ND		20	20
Methyl tert-butyl ether	ND		0.80	0.80
trans-1,2-Dichloroethene	ND		0.80	0.80
n-Hexane	ND		0.80	0.80
1,1-Dichloroethane	5.0		0.80	0.80
Methyl Ethyl Ketone	ND		2.0	2.0
cis-1,2-Dichloroethene	110		0.80	0.80
1,2-Dichloroethene, Total	110		0.80	0.80
Chloroform	ND		0.80	0.80
Tetrahydrofuran	ND		20	20
1,1,1-Trichloroethane	ND		0.80	0.80
Cyclohexane	ND		0.80	0.80
Carbon tetrachloride	ND		0.80	0.80
2,2,4-Trimethylpentane	ND		0.80	0.80
Benzene	0.89		0.80	0.80
1,2-Dichloroethane	ND		0.80	0.80
n-Heptane	ND		0.80	0.80
Trichloroethene	50		0.80	0.80
1,2-Dichloropropane	ND		0.80	0.80
1,4-Dioxane	ND		20	20
Bromodichloromethane	ND		0.80	0.80
cis-1,3-Dichloropropene	ND		0.80	0.80
methyl isobutyl ketone	ND		2.0	2.0
Toluene	1.7		0.80	0.80
trans-1,3-Dichloropropene	ND		0.80	0.80
1,1,2-Trichloroethane	ND		0.80	0.80
Tetrachloroethene	ND		0.80	0.80
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0
Dibromochloromethane	ND		0.80	0.80
1,2-Dibromoethane	ND		0.80	0.80

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41199-1

Client Sample ID: AS Effluent 3Q13

Lab Sample ID: 480-41199-2

Date Sampled: 07/01/2013 1130

Client Matrix: Air

Date Received: 07/01/2013 2330

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-58342	Instrument ID:	G.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	gifa11.d
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	07/10/2013 2339			Final Weight/Volume:	200 mL
Prep Date:	07/10/2013 2339			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Chlorobenzene	ND		0.80	0.80
Ethylbenzene	ND		0.80	0.80
m,p-Xylene	ND		2.0	2.0
Xylene, o-	ND		0.80	0.80
Xylene (total)	1.2		0.80	0.80
Styrene	ND		0.80	0.80
Bromoform	ND		0.80	0.80
1,1,2,2-Tetrachloroethane	ND		0.80	0.80
4-Ethyltoluene	ND		0.80	0.80
1,3,5-Trimethylbenzene	ND		0.80	0.80
2-Chlorotoluene	ND		0.80	0.80
1,2,4-Trimethylbenzene	ND		0.80	0.80
1,3-Dichlorobenzene	ND		0.80	0.80
1,4-Dichlorobenzene	ND		0.80	0.80
1,2-Dichlorobenzene	ND		0.80	0.80
1,2,4-Trichlorobenzene	ND		2.0	2.0
Hexachlorobutadiene	ND		0.80	0.80

Analyte	Result (ug/m3)	Qualifier	RL	RL
Dichlorodifluoromethane	ND		9.9	9.9
1,2-Dichlorotetrafluoroethane	ND		5.6	5.6
Chloromethane	ND		4.1	4.1
Vinyl chloride	31		2.0	2.0
1,3-Butadiene	ND		1.8	1.8
Bromomethane	ND		3.1	3.1
Chloroethane	95		5.3	5.3
Bromoethene(Vinyl Bromide)	ND		3.5	3.5
Trichlorofluoromethane	ND		4.5	4.5
Freon TF	ND		6.1	6.1
1,1-Dichloroethene	ND		3.2	3.2
Acetone	ND	^ *	48	48
Isopropyl alcohol	ND		49	49
Carbon disulfide	ND		6.2	6.2
3-Chloropropene	ND		6.3	6.3
Methylene Chloride	ND		6.9	6.9
tert-Butyl alcohol	ND		61	61
Methyl tert-butyl ether	ND		2.9	2.9
trans-1,2-Dichloroethene	ND		3.2	3.2
n-Hexane	ND		2.8	2.8
1,1-Dichloroethane	20		3.2	3.2
Methyl Ethyl Ketone	ND		5.9	5.9
cis-1,2-Dichloroethene	420		3.2	3.2
1,2-Dichloroethene, Total	430		3.2	3.2
Chloroform	ND		3.9	3.9
Tetrahydrofuran	ND		59	59
1,1,1-Trichloroethane	ND		4.4	4.4

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41199-1

Client Sample ID: AS Effluent 3Q13

Lab Sample ID: 480-41199-2

Date Sampled: 07/01/2013 1130

Client Matrix: Air

Date Received: 07/01/2013 2330

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-58342	Instrument ID:	G.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	gifa11.d
Dilution:	4.0			Initial Weight/Volume:	50 mL
Analysis Date:	07/10/2013 2339			Final Weight/Volume:	200 mL
Prep Date:	07/10/2013 2339			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL	RL
Cyclohexane	ND		2.8	2.8
Carbon tetrachloride	ND		5.0	5.0
2,2,4-Trimethylpentane	ND		3.7	3.7
Benzene	2.8		2.6	2.6
1,2-Dichloroethane	ND		3.2	3.2
n-Heptane	ND		3.3	3.3
Trichloroethene	270		4.3	4.3
1,2-Dichloropropane	ND		3.7	3.7
1,4-Dioxane	ND		72	72
Bromodichloromethane	ND		5.4	5.4
cis-1,3-Dichloropropene	ND		3.6	3.6
methyl isobutyl ketone	ND		8.2	8.2
Toluene	6.6		3.0	3.0
trans-1,3-Dichloropropene	ND		3.6	3.6
1,1,2-Trichloroethane	ND		4.4	4.4
Tetrachloroethene	ND		5.4	5.4
Methyl Butyl Ketone (2-Hexanone)	ND		8.2	8.2
Dibromochloromethane	ND		6.8	6.8
1,2-Dibromoethane	ND		6.1	6.1
Chlorobenzene	ND		3.7	3.7
Ethylbenzene	ND		3.5	3.5
m,p-Xylene	ND		8.7	8.7
Xylene, o-	ND		3.5	3.5
Xylene (total)	5.0		3.5	3.5
Styrene	ND		3.4	3.4
Bromoform	ND		8.3	8.3
1,1,2,2-Tetrachloroethane	ND		5.5	5.5
4-Ethyltoluene	ND		3.9	3.9
1,3,5-Trimethylbenzene	ND		3.9	3.9
2-Chlorotoluene	ND		4.1	4.1
1,2,4-Trimethylbenzene	ND		3.9	3.9
1,3-Dichlorobenzene	ND		4.8	4.8
1,4-Dichlorobenzene	ND		4.8	4.8
1,2-Dichlorobenzene	ND		4.8	4.8
1,2,4-Trichlorobenzene	ND		15	15
Hexachlorobutadiene	ND		8.5	8.5

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-41199-1

Method Blank - Batch: 200-58342

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-58342/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 07/10/2013 1737
Prep Date: 07/10/2013 1737
Leach Date: N/A

Analysis Batch: 200-58342
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Instrument ID: G.i
Lab File ID: gifa04.d
Initial Weight/Volume:
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result	Qual	RL	RL
Dichlorodifluoromethane	ND		0.50	0.50
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20
Chloromethane	ND		0.50	0.50
Vinyl chloride	ND		0.20	0.20
1,3-Butadiene	ND		0.20	0.20
Bromomethane	ND		0.20	0.20
Chloroethane	ND		0.50	0.50
Bromoethene(Vinyl Bromide)	ND		0.20	0.20
Trichlorofluoromethane	ND		0.20	0.20
Freon TF	ND		0.20	0.20
1,1-Dichloroethene	ND		0.20	0.20
Acetone	ND	^	5.0	5.0
Isopropyl alcohol	ND		5.0	5.0
Carbon disulfide	ND		0.50	0.50
3-Chloropropene	ND		0.50	0.50
Methylene Chloride	ND		0.50	0.50
tert-Butyl alcohol	ND		5.0	5.0
Methyl tert-butyl ether	ND		0.20	0.20
trans-1,2-Dichloroethene	ND		0.20	0.20
n-Hexane	ND		0.20	0.20
1,1-Dichloroethane	ND		0.20	0.20
Methyl Ethyl Ketone	ND		0.50	0.50
cis-1,2-Dichloroethene	ND		0.20	0.20
1,2-Dichloroethene, Total	ND		0.20	0.20
Chloroform	ND		0.20	0.20
Tetrahydrofuran	ND		5.0	5.0
1,1,1-Trichloroethane	ND		0.20	0.20
Cyclohexane	ND		0.20	0.20
Carbon tetrachloride	ND		0.20	0.20
2,2,4-Trimethylpentane	ND		0.20	0.20
Benzene	ND		0.20	0.20
1,2-Dichloroethane	ND		0.20	0.20
n-Heptane	ND		0.20	0.20
Trichloroethene	ND		0.20	0.20
1,2-Dichloropropane	ND		0.20	0.20
1,4-Dioxane	ND		5.0	5.0
Bromodichloromethane	ND		0.20	0.20
cis-1,3-Dichloropropene	ND		0.20	0.20
methyl isobutyl ketone	ND		0.50	0.50
Toluene	ND		0.20	0.20
trans-1,3-Dichloropropene	ND		0.20	0.20
1,1,2-Trichloroethane	ND		0.20	0.20
Tetrachloroethene	ND		0.20	0.20
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.50
Dibromochloromethane	ND		0.20	0.20

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-41199-1

Method Blank - Batch: 200-58342

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-58342/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 07/10/2013 1737
Prep Date: 07/10/2013 1737
Leach Date: N/A

Analysis Batch: 200-58342
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Instrument ID: G.i
Lab File ID: gifa04.d
Initial Weight/Volume:
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result	Qual	RL	RL
1,2-Dibromoethane	ND		0.20	0.20
Chlorobenzene	ND		0.20	0.20
Ethylbenzene	ND		0.20	0.20
m,p-Xylene	ND		0.50	0.50
Xylene, o-	ND		0.20	0.20
Xylene (total)	ND		0.20	0.20
Styrene	ND		0.20	0.20
Bromoform	ND		0.20	0.20
1,1,2,2-Tetrachloroethane	ND		0.20	0.20
4-Ethyltoluene	ND		0.20	0.20
1,3,5-Trimethylbenzene	ND		0.20	0.20
2-Chlorotoluene	ND		0.20	0.20
1,2,4-Trimethylbenzene	ND		0.20	0.20
1,3-Dichlorobenzene	ND		0.20	0.20
1,4-Dichlorobenzene	ND		0.20	0.20
1,2-Dichlorobenzene	ND		0.20	0.20
1,2,4-Trichlorobenzene	ND		0.50	0.50
Hexachlorobutadiene	ND		0.20	0.20

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-41199-1

Method Blank - Batch: 200-58342

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-58342/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 07/10/2013 1737
Prep Date: 07/10/2013 1737
Leach Date: N/A

Analysis Batch: 200-58342
Prep Batch: N/A
Leach Batch: N/A
Units: ug/m3

Instrument ID: G.i
Lab File ID: gifa04.d
Initial Weight/Volume:
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result	Qual	RL	RL
Dichlorodifluoromethane	ND		2.5	2.5
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4
Chloromethane	ND		1.0	1.0
Vinyl chloride	ND		0.51	0.51
1,3-Butadiene	ND		0.44	0.44
Bromomethane	ND		0.78	0.78
Chloroethane	ND		1.3	1.3
Bromoethene(Vinyl Bromide)	ND		0.87	0.87
Trichlorofluoromethane	ND		1.1	1.1
Freon TF	ND		1.5	1.5
1,1-Dichloroethene	ND		0.79	0.79
Acetone	ND	^	12	12
Isopropyl alcohol	ND		12	12
Carbon disulfide	ND		1.6	1.6
3-Chloropropene	ND		1.6	1.6
Methylene Chloride	ND		1.7	1.7
tert-Butyl alcohol	ND		15	15
Methyl tert-butyl ether	ND		0.72	0.72
trans-1,2-Dichloroethene	ND		0.79	0.79
n-Hexane	ND		0.70	0.70
1,1-Dichloroethane	ND		0.81	0.81
Methyl Ethyl Ketone	ND		1.5	1.5
cis-1,2-Dichloroethene	ND		0.79	0.79
1,2-Dichloroethene, Total	ND		0.79	0.79
Chloroform	ND		0.98	0.98
Tetrahydrofuran	ND		15	15
1,1,1-Trichloroethane	ND		1.1	1.1
Cyclohexane	ND		0.69	0.69
Carbon tetrachloride	ND		1.3	1.3
2,2,4-Trimethylpentane	ND		0.93	0.93
Benzene	ND		0.64	0.64
1,2-Dichloroethane	ND		0.81	0.81
n-Heptane	ND		0.82	0.82
Trichloroethene	ND		1.1	1.1
1,2-Dichloropropane	ND		0.92	0.92
1,4-Dioxane	ND		18	18
Bromodichloromethane	ND		1.3	1.3
cis-1,3-Dichloropropene	ND		0.91	0.91
methyl isobutyl ketone	ND		2.0	2.0
Toluene	ND		0.75	0.75
trans-1,3-Dichloropropene	ND		0.91	0.91
1,1,2-Trichloroethane	ND		1.1	1.1
Tetrachloroethene	ND		1.4	1.4
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0
Dibromochloromethane	ND		1.7	1.7

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-41199-1

Method Blank - Batch: 200-58342

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-58342/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 07/10/2013 1737
Prep Date: 07/10/2013 1737
Leach Date: N/A

Analysis Batch: 200-58342
Prep Batch: N/A
Leach Batch: N/A
Units: ug/m3

Instrument ID: G.i
Lab File ID: gifa04.d
Initial Weight/Volume:
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result	Qual	RL	RL
1,2-Dibromoethane	ND		1.5	1.5
Chlorobenzene	ND		0.92	0.92
Ethylbenzene	ND		0.87	0.87
m,p-Xylene	ND		2.2	2.2
Xylene, o-	ND		0.87	0.87
Xylene (total)	ND		0.87	0.87
Styrene	ND		0.85	0.85
Bromoform	ND		2.1	2.1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4
4-Ethyltoluene	ND		0.98	0.98
1,3,5-Trimethylbenzene	ND		0.98	0.98
2-Chlorotoluene	ND		1.0	1.0
1,2,4-Trimethylbenzene	ND		0.98	0.98
1,3-Dichlorobenzene	ND		1.2	1.2
1,4-Dichlorobenzene	ND		1.2	1.2
1,2-Dichlorobenzene	ND		1.2	1.2
1,2,4-Trichlorobenzene	ND		3.7	3.7
Hexachlorobutadiene	ND		2.1	2.1

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-41199-1

Lab Control Sample - Batch: 200-58342

Method: TO-15

Preparation: Summa Canister

Lab Sample ID:	LCS 200-58342/3	Analysis Batch:	200-58342	Instrument ID:	G.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	gifa03.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	07/10/2013 1648	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	07/10/2013 1648			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	8.74	87	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	8.32	83	70 - 130	
Chloromethane	10.0	8.03	80	70 - 130	
Vinyl chloride	10.0	7.90	79	70 - 130	
1,3-Butadiene	10.0	8.11	81	70 - 130	
Bromomethane	10.0	8.47	85	70 - 130	
Chloroethane	10.0	8.60	86	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	9.31	93	70 - 130	
Trichlorofluoromethane	10.0	8.96	90	70 - 130	
Freon TF	10.0	9.90	99	70 - 130	
1,1-Dichloroethene	10.0	9.82	98	70 - 130	
Acetone	10.0	14.8	148	70 - 130	^ *
Isopropyl alcohol	10.0	8.42	84	70 - 130	
Carbon disulfide	10.0	9.19	92	70 - 130	
3-Chloropropene	10.0	8.63	86	70 - 130	
Methylene Chloride	10.0	9.21	92	70 - 130	
tert-Butyl alcohol	10.0	9.84	98	70 - 130	
Methyl tert-butyl ether	10.0	9.28	93	70 - 130	
trans-1,2-Dichloroethene	10.0	8.72	87	70 - 130	
n-Hexane	10.0	8.79	88	70 - 130	
1,1-Dichloroethane	10.0	8.70	87	70 - 130	
Methyl Ethyl Ketone	10.0	10.1	101	70 - 130	
cis-1,2-Dichloroethene	10.0	9.53	95	70 - 130	
Chloroform	10.0	9.28	93	70 - 130	
Tetrahydrofuran	10.0	8.23	82	70 - 130	
1,1,1-Trichloroethane	10.0	8.87	89	70 - 130	
Cyclohexane	10.0	9.12	91	70 - 130	
Carbon tetrachloride	10.0	8.90	89	70 - 130	
2,2,4-Trimethylpentane	10.0	8.47	85	70 - 130	
Benzene	10.0	8.80	88	70 - 130	
1,2-Dichloroethane	10.0	8.50	85	70 - 130	
n-Heptane	10.0	7.66	77	70 - 130	
Trichloroethene	10.0	9.88	99	70 - 130	
1,2-Dichloropropane	10.0	9.10	91	70 - 130	
1,4-Dioxane	10.0	8.92	89	70 - 130	
Bromodichloromethane	10.0	9.93	99	70 - 130	
cis-1,3-Dichloropropene	10.0	9.61	96	70 - 130	
methyl isobutyl ketone	10.0	8.92	89	70 - 130	
Toluene	10.0	9.58	96	70 - 130	
trans-1,3-Dichloropropene	10.0	9.35	94	70 - 130	
1,1,2-Trichloroethane	10.0	8.96	90	70 - 130	
Tetrachloroethene	10.0	9.78	98	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.75	97	70 - 130	
Dibromochloromethane	10.0	10.4	104	70 - 130	
1,2-Dibromoethane	10.0	9.74	97	70 - 130	
Chlorobenzene	10.0	9.61	96	70 - 130	

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-41199-1

Lab Control Sample - Batch: 200-58342

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: LCS 200-58342/3
Client Matrix: Air
Dilution: 1.0
Analysis Date: 07/10/2013 1648
Prep Date: 07/10/2013 1648
Leach Date: N/A

Analysis Batch: 200-58342
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Instrument ID: G.i
Lab File ID: gifa03.d
Initial Weight/Volume:
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylbenzene	10.0	9.45	95	70 - 130	
m,p-Xylene	20.0	19.4	97	70 - 130	
Xylene, o-	10.0	9.62	96	70 - 130	
Styrene	10.0	9.12	91	70 - 130	
Bromoform	10.0	10.6	106	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	8.86	89	70 - 130	
4-Ethyltoluene	10.0	10.2	102	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.30	93	70 - 130	
2-Chlorotoluene	10.0	9.73	97	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.27	93	70 - 130	
1,3-Dichlorobenzene	10.0	9.82	98	70 - 130	
1,4-Dichlorobenzene	10.0	9.82	98	70 - 130	
1,2-Dichlorobenzene	10.0	9.40	94	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.08	91	70 - 130	
Hexachlorobutadiene	10.0	9.03	90	70 - 130	

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 480-41199-1

Lab Section	Qualifier	Description
Air - GC/MS VOA	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	*	LCS or LCSD exceeds the control limits

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-41199-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-58342					
LCS 200-58342/3	Lab Control Sample	T	Air	TO-15	
MB 200-58342/4	Method Blank	T	Air	TO-15	
480-41199-1	LRP Effluent 3Q13	T	Air	TO-15	
480-41199-2	AS Effluent 3Q13	T	Air	TO-15	

Report Basis

T = Total

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-41199-1

Laboratory Chronicle

Lab ID: 480-41199-1

Client ID: LRP Effluent 3Q13

Sample Date/Time: 07/01/2013 11:20

Received Date/Time: 07/01/2013 23:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	480-41199-A-1		200-58342		07/10/2013 22:52	322	TAL BUR	PAD
A:TO-15	480-41199-A-1		200-58342		07/10/2013 22:52	322	TAL BUR	PAD

Lab ID: 480-41199-2

Client ID: AS Effluent 3Q13

Sample Date/Time: 07/01/2013 11:30

Received Date/Time: 07/01/2013 23:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	480-41199-A-2		200-58342		07/10/2013 23:39	4	TAL BUR	PAD
A:TO-15	480-41199-A-2		200-58342		07/10/2013 23:39	4	TAL BUR	PAD

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-58342/4		200-58342		07/10/2013 17:37	1	TAL BUR	PAD
A:TO-15	MB 200-58342/4		200-58342		07/10/2013 17:37	1	TAL BUR	PAD

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-58342/3		200-58342		07/10/2013 16:48	1	TAL BUR	PAD
A:TO-15	LCS 200-58342/3		200-58342		07/10/2013 16:48	1	TAL BUR	PAD

Lab References:

TAL BUR = TestAmerica Burlington

Certification Summary

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

TestAmerica Job ID: 480-41199-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act	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.

TO15

Volatile Organic Compounds in
Ambient Air

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

Lab Name: TestAmerica Burlington Job No.: 480-41199-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: gifa03.d
 Lab ID: LCS 200-58342/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	8.74	87	70-130	
1,2-Dichlorotetrafluoroethane	10.0	8.32	83	70-130	
Chloromethane	10.0	8.03	80	70-130	
Vinyl chloride	10.0	7.90	79	70-130	
1,3-Butadiene	10.0	8.11	81	70-130	
Bromomethane	10.0	8.47	85	70-130	
Chloroethane	10.0	8.60	86	70-130	
Bromoethene (Vinyl Bromide)	10.0	9.31	93	70-130	
Trichlorofluoromethane	10.0	8.96	90	70-130	
Freon TF	10.0	9.90	99	70-130	
1,1-Dichloroethene	10.0	9.82	98	70-130	
Acetone	10.0	14.8	148	70-130	^ *
Isopropyl alcohol	10.0	8.42	84	70-130	
Carbon disulfide	10.0	9.19	92	70-130	
3-Chloropropene	10.0	8.63	86	70-130	
Methylene Chloride	10.0	9.21	92	70-130	
tert-Butyl alcohol	10.0	9.84	98	70-130	
Methyl tert-butyl ether	10.0	9.28	93	70-130	
trans-1,2-Dichloroethene	10.0	8.72	87	70-130	
n-Hexane	10.0	8.79	88	70-130	
1,1-Dichloroethane	10.0	8.70	87	70-130	
Methyl Ethyl Ketone	10.0	10.1	101	70-130	
cis-1,2-Dichloroethene	10.0	9.53	95	70-130	
Chloroform	10.0	9.28	93	70-130	
Tetrahydrofuran	10.0	8.23	82	70-130	
1,1,1-Trichloroethane	10.0	8.87	89	70-130	
Cyclohexane	10.0	9.12	91	70-130	
Carbon tetrachloride	10.0	8.90	89	70-130	
2,2,4-Trimethylpentane	10.0	8.47	85	70-130	
Benzene	10.0	8.80	88	70-130	
1,2-Dichloroethane	10.0	8.50	85	70-130	
n-Heptane	10.0	7.66	77	70-130	
Trichloroethene	10.0	9.88	99	70-130	
1,2-Dichloropropane	10.0	9.10	91	70-130	
1,4-Dioxane	10.0	8.92	89	70-130	
Bromodichloromethane	10.0	9.93	99	70-130	
cis-1,3-Dichloropropene	10.0	9.61	96	70-130	
methyl isobutyl ketone	10.0	8.92	89	70-130	
Toluene	10.0	9.58	96	70-130	
trans-1,3-Dichloropropene	10.0	9.35	94	70-130	
1,1,2-Trichloroethane	10.0	8.96	90	70-130	
Tetrachloroethene	10.0	9.78	98	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.: 480-41199-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: gifa03.d
 Lab ID: LCS 200-58342/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Methyl Butyl Ketone (2-Hexanone)	10.0	9.75	97	70-130	
Dibromochloromethane	10.0	10.4	104	70-130	
1,2-Dibromoethane	10.0	9.74	97	70-130	
Chlorobenzene	10.0	9.61	96	70-130	
Ethylbenzene	10.0	9.45	95	70-130	
m,p-Xylene	20.0	19.4	97	70-130	
Xylene, o-	10.0	9.62	96	70-130	
Styrene	10.0	9.12	91	70-130	
Bromoform	10.0	10.6	106	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.86	89	70-130	
4-Ethyltoluene	10.0	10.2	102	70-130	
1,3,5-Trimethylbenzene	10.0	9.30	93	70-130	
2-Chlorotoluene	10.0	9.73	97	70-130	
1,2,4-Trimethylbenzene	10.0	9.27	93	70-130	
1,3-Dichlorobenzene	10.0	9.82	98	70-130	
1,4-Dichlorobenzene	10.0	9.82	98	70-130	
1,2-Dichlorobenzene	10.0	9.40	94	70-130	
1,2,4-Trichlorobenzene	10.0	9.08	91	70-130	
Hexachlorobutadiene	10.0	9.03	90	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.: 480-41199-1
SDG No.: _____
Lab File ID: gifa04.d Lab Sample ID: MB 200-58342/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: G.i Date Analyzed: 07/10/2013 17:37
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 200-58342/3	gifa03.d	07/10/2013 16:48
LRP Effluent 3Q13	480-41199-1	gifa10.d	07/10/2013 22:52
AS Effluent 3Q13	480-41199-2	gifa11.d	07/10/2013 23:39

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 480-41199-1
 SDG No.: _____
 Lab File ID: gif04.d BFB Injection Date: 07/09/2013
 Instrument ID: G.i BFB Injection Time: 18:47
 Analysis Batch No.: 58308

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.3
75	30.0 - 66.0% of mass 95	45.5
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	0.4 (0.5) 1
174	50.0 - 120.0% of mass 95	83.7
175	4.0 - 9.0 % of mass 174	5.6 (6.7) 1
176	93.0 - 101.0% of mass 174	80.8 (96.5) 1
177	5.0 - 9.0% of mass 176	4.9 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-58308/7	gif07.d	07/09/2013	21:09
	IC 200-58308/8	gif08.d	07/09/2013	21:56
	IC 200-58308/9	gif09.d	07/09/2013	22:43
	IC 200-58308/10	gif10.d	07/09/2013	23:30
	ICIS 200-58308/11	gif11.d	07/10/2013	00:17
	IC 200-58308/12	gif12.d	07/10/2013	01:05
	IC 200-58308/13	gif13.d	07/10/2013	01:52
	IC 200-58308/14	gif14.d	07/10/2013	02:39

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 480-41199-1
 SDG No.: _____
 Lab File ID: gifa01.d BFB Injection Date: 07/10/2013
 Instrument ID: G.i BFB Injection Time: 15:17
 Analysis Batch No.: 58342

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	12.5
75	30.0 - 66.0% of mass 95	40.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.5) 1
174	50.0 - 120.0% of mass 95	99.4
175	4.0 - 9.0 % of mass 174	6.8 (6.9) 1
176	93.0 - 101.0% of mass 174	96.4 (96.9) 1
177	5.0 - 9.0% of mass 176	6.1 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-58342/2	gifa02.d	07/10/2013	16:01
	LCS 200-58342/3	gifa03.d	07/10/2013	16:48
	MB 200-58342/4	gifa04.d	07/10/2013	17:37
LRP Effluent 3Q13	480-41199-1	gifa10.d	07/10/2013	22:52
AS Effluent 3Q13	480-41199-2	gifa11.d	07/10/2013	23:39

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

Lab Name: TestAmerica Burlington Job No.: 480-41199-1
 SDG No.: _____
 Sample No.: CCVIS 200-58342/2 Date Analyzed: 07/10/2013 16:01
 Instrument ID: G.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): gifa02.d Heated Purge: (Y/N) N
 Calibration ID: 22424

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		631725	10.78	3275602	12.86	3094348	19.02
UPPER LIMIT		884415	11.11	4585843	13.19	4332087	19.35
LOWER LIMIT		379035	10.45	1965361	12.53	1856609	18.69
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-58342/3		601077	10.78	3115567	12.86	2930269	19.02
MB 200-58342/4		595868	10.78	3036968	12.86	2641063	19.02
480-41199-1		LRP Effluent 3Q13	595320	3293416	12.86	2991889	19.02
480-41199-2		AS Effluent 3Q13	581696	3054257	12.86	2681263	19.02

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 480-41199-1

SDG No.: _____

Client Sample ID: LRP Effluent 3Q13 Lab Sample ID: 480-41199-1

Matrix: Air Lab File ID: gifa10.d

Analysis Method: TO-15 Date Collected: 07/01/2013 11:20

Sample wt/vol: 33 (mL) Date Analyzed: 07/10/2013 22:52

Soil Aliquot Vol: _____ Dilution Factor: 322

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

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

Analysis Batch No.: 58342 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		160	160
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		64	64
74-87-3	Chloromethane	50.49	ND		160	160
75-01-4	Vinyl chloride	62.50	350		64	64
106-99-0	1,3-Butadiene	54.09	ND		64	64
74-83-9	Bromomethane	94.94	ND		64	64
75-00-3	Chloroethane	64.52	ND		160	160
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		64	64
75-69-4	Trichlorofluoromethane	137.37	ND		64	64
76-13-1	Freon TF	187.38	ND		64	64
75-35-4	1,1-Dichloroethene	96.94	ND		64	64
67-64-1	Acetone	58.08	ND	^ *	1600	1600
67-63-0	Isopropyl alcohol	60.10	ND		1600	1600
75-15-0	Carbon disulfide	76.14	ND		160	160
107-05-1	3-Chloropropene	76.53	ND		160	160
75-09-2	Methylene Chloride	84.93	ND		160	160
75-65-0	tert-Butyl alcohol	74.12	ND		1600	1600
1634-04-4	Methyl tert-butyl ether	88.15	ND		64	64
156-60-5	trans-1,2-Dichloroethene	96.94	ND		64	64
110-54-3	n-Hexane	86.17	ND		64	64
75-34-3	1,1-Dichloroethane	98.96	120		64	64
78-93-3	Methyl Ethyl Ketone	72.11	ND		160	160
156-59-2	cis-1,2-Dichloroethene	96.94	5100		64	64
540-59-0	1,2-Dichloroethene, Total	96.94	5100		64	64
67-66-3	Chloroform	119.38	ND		64	64
109-99-9	Tetrahydrofuran	72.11	ND		1600	1600
71-55-6	1,1,1-Trichloroethane	133.41	ND		64	64
110-82-7	Cyclohexane	84.16	ND		64	64
56-23-5	Carbon tetrachloride	153.81	ND		64	64
540-84-1	2,2,4-Trimethylpentane	114.23	ND		64	64
71-43-2	Benzene	78.11	ND		64	64
107-06-2	1,2-Dichloroethane	98.96	ND		64	64
142-82-5	n-Heptane	100.21	ND		64	64
79-01-6	Trichloroethene	131.39	4900		64	64

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

Lab Name: TestAmerica Burlington Job No.: 480-41199-1

SDG No.: _____

Client Sample ID: LRP Effluent 3Q13 Lab Sample ID: 480-41199-1

Matrix: Air Lab File ID: gifa10.d

Analysis Method: TO-15 Date Collected: 07/01/2013 11:20

Sample wt/vol: 33 (mL) Date Analyzed: 07/10/2013 22:52

Soil Aliquot Vol: _____ Dilution Factor: 322

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

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

Analysis Batch No.: 58342 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	ND		64	64
123-91-1	1,4-Dioxane	88.11	ND		1600	1600
75-27-4	Bromodichloromethane	163.83	ND		64	64
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		64	64
108-10-1	methyl isobutyl ketone	100.16	ND		160	160
108-88-3	Toluene	92.14	ND		64	64
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		64	64
79-00-5	1,1,2-Trichloroethane	133.41	ND		64	64
127-18-4	Tetrachloroethene	165.83	ND		64	64
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		160	160
124-48-1	Dibromochloromethane	208.29	ND		64	64
106-93-4	1,2-Dibromoethane	187.87	ND		64	64
108-90-7	Chlorobenzene	112.30	ND		64	64
100-41-4	Ethylbenzene	106.17	ND		64	64
179601-23-1	m,p-Xylene	106.17	ND		160	160
95-47-6	Xylene, o-	106.17	ND		64	64
1330-20-7	Xylene (total)	106.17	ND		64	64
100-42-5	Styrene	104.15	ND		64	64
75-25-2	Bromoform	252.75	ND		64	64
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		64	64
622-96-8	4-Ethyltoluene	120.20	ND		64	64
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		64	64
95-49-8	2-Chlorotoluene	126.59	ND		64	64
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		64	64
541-73-1	1,3-Dichlorobenzene	147.00	ND		64	64
106-46-7	1,4-Dichlorobenzene	147.00	ND		64	64
95-50-1	1,2-Dichlorobenzene	147.00	ND		64	64
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		160	160
87-68-3	Hexachlorobutadiene	260.76	ND		64	64

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

Lab Name: TestAmerica Burlington Job No.: 480-41199-1

SDG No.: _____

Client Sample ID: LRP Effluent 3Q13 Lab Sample ID: 480-41199-1

Matrix: Air Lab File ID: gifa10.d

Analysis Method: TO-15 Date Collected: 07/01/2013 11:20

Sample wt/vol: 33 (mL) Date Analyzed: 07/10/2013 22:52

Soil Aliquot Vol: _____ Dilution Factor: 322

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

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

Analysis Batch No.: 58342 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		800	800
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		450	450
74-87-3	Chloromethane	50.49	ND		330	330
75-01-4	Vinyl chloride	62.50	890		160	160
106-99-0	1,3-Butadiene	54.09	ND		140	140
74-83-9	Bromomethane	94.94	ND		250	250
75-00-3	Chloroethane	64.52	ND		420	420
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		280	280
75-69-4	Trichlorofluoromethane	137.37	ND		360	360
76-13-1	Freon TF	187.38	ND		490	490
75-35-4	1,1-Dichloroethene	96.94	ND		260	260
67-64-1	Acetone	58.08	ND	^ *	3800	3800
67-63-0	Isopropyl alcohol	60.10	ND		4000	4000
75-15-0	Carbon disulfide	76.14	ND		500	500
107-05-1	3-Chloropropene	76.53	ND		500	500
75-09-2	Methylene Chloride	84.93	ND		560	560
75-65-0	tert-Butyl alcohol	74.12	ND		4900	4900
1634-04-4	Methyl tert-butyl ether	88.15	ND		230	230
156-60-5	trans-1,2-Dichloroethene	96.94	ND		260	260
110-54-3	n-Hexane	86.17	ND		230	230
75-34-3	1,1-Dichloroethane	98.96	490		260	260
78-93-3	Methyl Ethyl Ketone	72.11	ND		470	470
156-59-2	cis-1,2-Dichloroethene	96.94	20000		260	260
540-59-0	1,2-Dichloroethene, Total	96.94	20000		260	260
67-66-3	Chloroform	119.38	ND		310	310
109-99-9	Tetrahydrofuran	72.11	ND		4700	4700
71-55-6	1,1,1-Trichloroethane	133.41	ND		350	350
110-82-7	Cyclohexane	84.16	ND		220	220
56-23-5	Carbon tetrachloride	153.81	ND		410	410
540-84-1	2,2,4-Trimethylpentane	114.23	ND		300	300
71-43-2	Benzene	78.11	ND		210	210
107-06-2	1,2-Dichloroethane	98.96	ND		260	260
142-82-5	n-Heptane	100.21	ND		260	260
79-01-6	Trichloroethene	131.39	26000		350	350

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

Lab Name: TestAmerica Burlington Job No.: 480-41199-1

SDG No.: _____

Client Sample ID: LRP Effluent 3Q13 Lab Sample ID: 480-41199-1

Matrix: Air Lab File ID: gifa10.d

Analysis Method: TO-15 Date Collected: 07/01/2013 11:20

Sample wt/vol: 33 (mL) Date Analyzed: 07/10/2013 22:52

Soil Aliquot Vol: _____ Dilution Factor: 322

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

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

Analysis Batch No.: 58342 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	ND		300	300
123-91-1	1,4-Dioxane	88.11	ND		5800	5800
75-27-4	Bromodichloromethane	163.83	ND		430	430
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		290	290
108-10-1	methyl isobutyl ketone	100.16	ND		660	660
108-88-3	Toluene	92.14	ND		240	240
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		290	290
79-00-5	1,1,2-Trichloroethane	133.41	ND		350	350
127-18-4	Tetrachloroethene	165.83	ND		440	440
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		660	660
124-48-1	Dibromochloromethane	208.29	ND		550	550
106-93-4	1,2-Dibromoethane	187.87	ND		490	490
108-90-7	Chlorobenzene	112.30	ND		300	300
100-41-4	Ethylbenzene	106.17	ND		280	280
179601-23-1	m,p-Xylene	106.17	ND		700	700
95-47-6	Xylene, o-	106.17	ND		280	280
1330-20-7	Xylene (total)	106.17	ND		280	280
100-42-5	Styrene	104.15	ND		270	270
75-25-2	Bromoform	252.75	ND		670	670
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		440	440
622-96-8	4-Ethyltoluene	120.20	ND		320	320
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		320	320
95-49-8	2-Chlorotoluene	126.59	ND		330	330
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		320	320
541-73-1	1,3-Dichlorobenzene	147.00	ND		390	390
106-46-7	1,4-Dichlorobenzene	147.00	ND		390	390
95-50-1	1,2-Dichlorobenzene	147.00	ND		390	390
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		1200	1200
87-68-3	Hexachlorobutadiene	260.76	ND		690	690

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 480-41199-1
Client Smp ID: LRP Effluent 3Q13
Inj Date : 10-JUL-2013 22:52
Operator : pad
Smp Info : 480-41199-A-1
Misc Info : 33,322, all74 (mod) cdf53.10
Comment :
Method : /chem/G.i/Gsvr.p/gifat15.b/to15v5.m
Meth Date : 12-Jul-2013 10:45 pd
Cal Date : 10-JUL-2013 02:39
Als bottle: 3
Dil Factor: 322.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gif14.d
Compound Sublist: T015all.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	322.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	33.00000	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)
=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85				Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu	85				Compound Not Detected.		
5 Chloromethane	50				Compound Not Detected.		
7 Vinyl chloride	62	3.846	3.846	(0.357)	30804	1.08130	350
8 1,3-Butadiene	54				Compound Not Detected.		
9 Bromomethane	94				Compound Not Detected.		
10 Chloroethane	64				Compound Not Detected.		
12 Vinyl bromide	106				Compound Not Detected.		
13 Trichlorofluoromethane	101				Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.		
19 1,1-Dichloroethene	96	6.617	6.628	(0.614)	4623	0.12309	40(a)
20 Acetone	43				Compound Not Detected.		
21 Carbon disulfide	76				Compound Not Detected.		
22 Isopropanol	45				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
23 Allyl chloride	41				Compound Not Detected.		
25 Methylene chloride	49				Compound Not Detected.		
26 Tert-butyl alcohol	59				Compound Not Detected.		
27 Methyl tert-butyl ether	73				Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61	8.211	8.222	(0.762)	1522	0.03454	11(aQ)
30 n-Hexane	57				Compound Not Detected.		
31 1,1-Dichloroethane	63	9.132	9.137	(0.847)	23721	0.37609	120
M 33 1,2-Dichloroethene, Total	61				868369	15.7450	5100
34 1,2-Dichloroethene (cis)	96	10.293	10.298	(0.955)	866847	15.7105	5100
36 Methyl Ethyl Ketone	72				Compound Not Detected.		
* 37 Bromochloromethane	128	10.779	10.785	(1.000)	595320	10.0000	
38 Tetrahydrofuran	42				Compound Not Detected.		
39 Chloroform	83				Compound Not Detected.		
40 Cyclohexane	84				Compound Not Detected.		
41 1,1,1-Trichloroethane	97	11.207	11.213	(0.872)	18437	0.11097	36(a)
42 Carbon tetrachloride	117				Compound Not Detected.		
43 2,2,4-Trimethylpentane	57				Compound Not Detected.		
44 Benzene	78				Compound Not Detected.		
45 1,2-Dichloroethane	62				Compound Not Detected.		
46 n-Heptane	43				Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	12.855	12.860	(1.000)	3293416	10.0000	
49 Trichloroethene	95	13.336	13.342	(1.037)	1736516	15.1136	4900
50 1,2-Dichloropropane	63				Compound Not Detected.		
53 1,4-Dioxane	88				Compound Not Detected.		
54 Bromodichloromethane	83				Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75				Compound Not Detected.		
56 Methyl isobutyl ketone	43				Compound Not Detected.		
58 Toluene	92	16.070	16.086	(0.845)	8783	0.05048	16(a)
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				Compound Not Detected.		
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	19.018	19.023	(1.000)	2991889	10.0000	
66 Chlorobenzene	112				Compound Not Detected.		
68 Ethylbenzene	91				Compound Not Detected.		
69 Xylene (m,p)	106				Compound Not Detected.		
M 70 Xylenes, Total	106				Compound Not Detected.		
71 Xylene (o)	106				Compound Not Detected.		
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.		

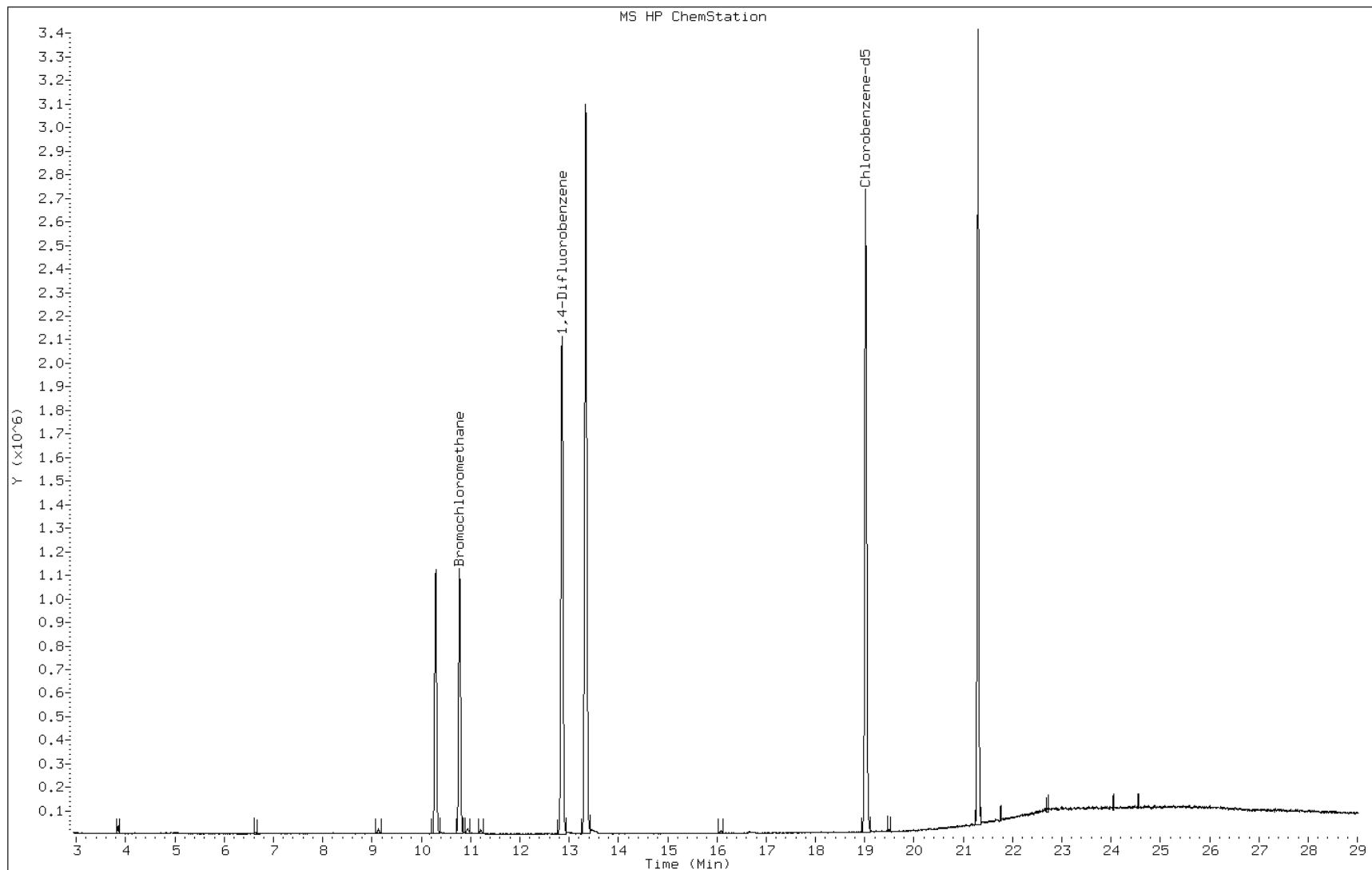
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound 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: gifa10.d
Client ID: LRP Effluent 3Q13
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 480-41199-A-1
Lab Sample ID: 480-41199-1

Date: 10-JUL-2013 22:52
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



Data File: gifa10.d

Lab Sample ID: 480-41199-1

Date: 10-JUL-2013 22:52

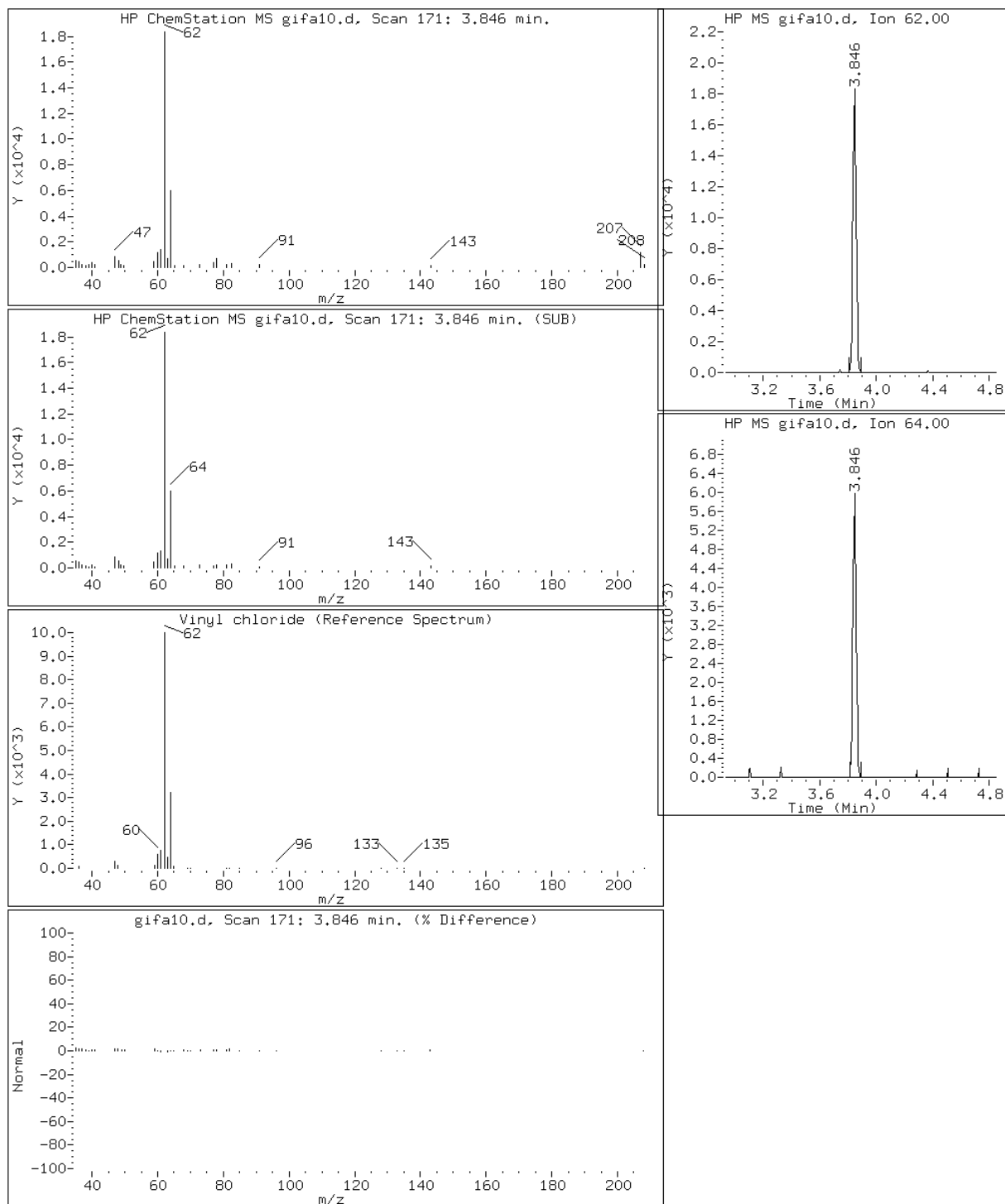
Client ID: LRP Effluent 3Q13

Instrument: G.i

Sample Info: 480-41199-A-1

Operator: pad

7 Vinyl chloride



Data File: gifa10.d

Lab Sample ID: 480-41199-1

Date: 10-JUL-2013 22:52

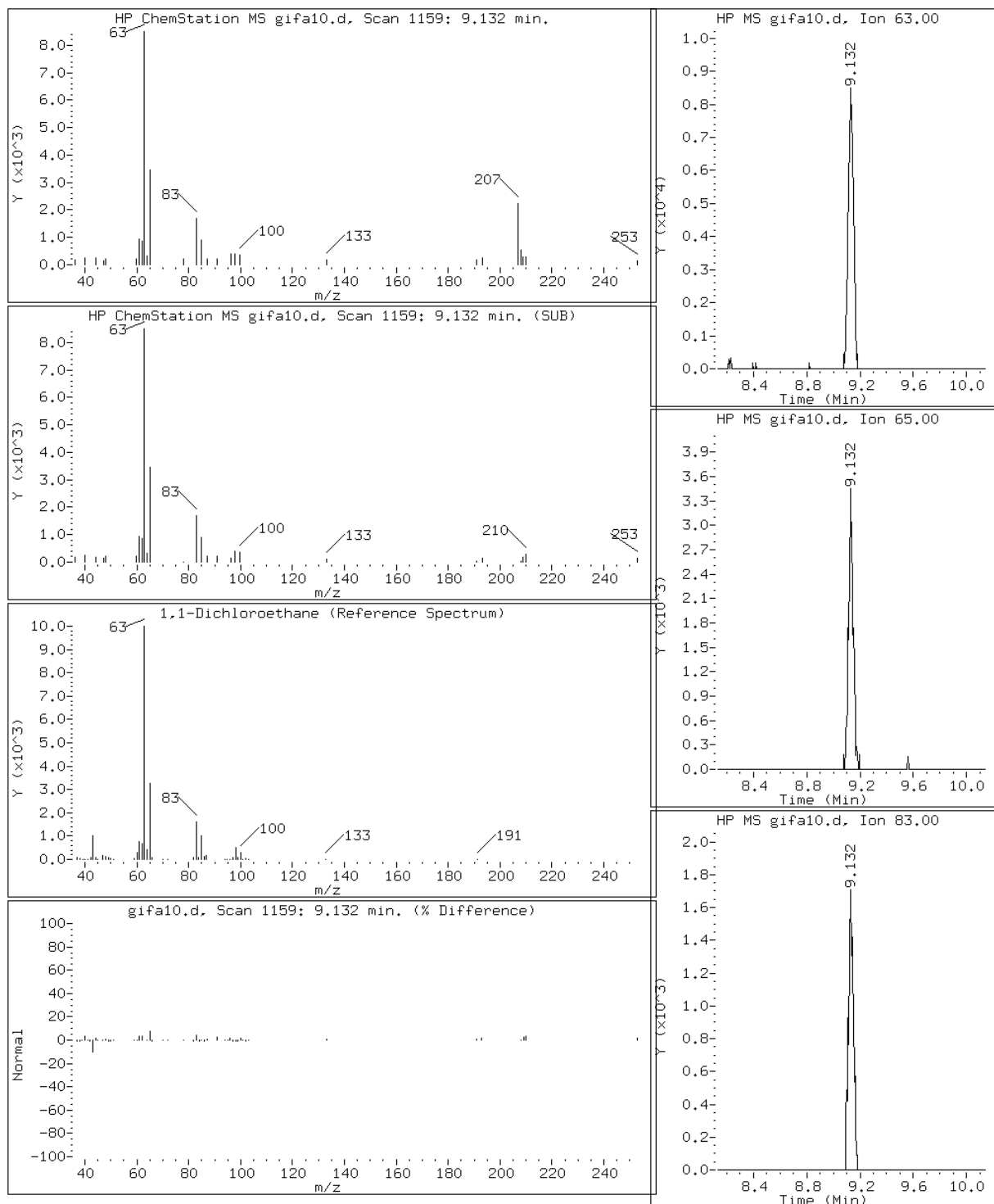
Client ID: LRP Effluent 3Q13

Instrument: G.i

Sample Info: 480-41199-A-1

Operator: pad

31 1,1-Dichloroethane



Data File: gifa10.d

Lab Sample ID: 480-41199-1

Date: 10-JUL-2013 22:52

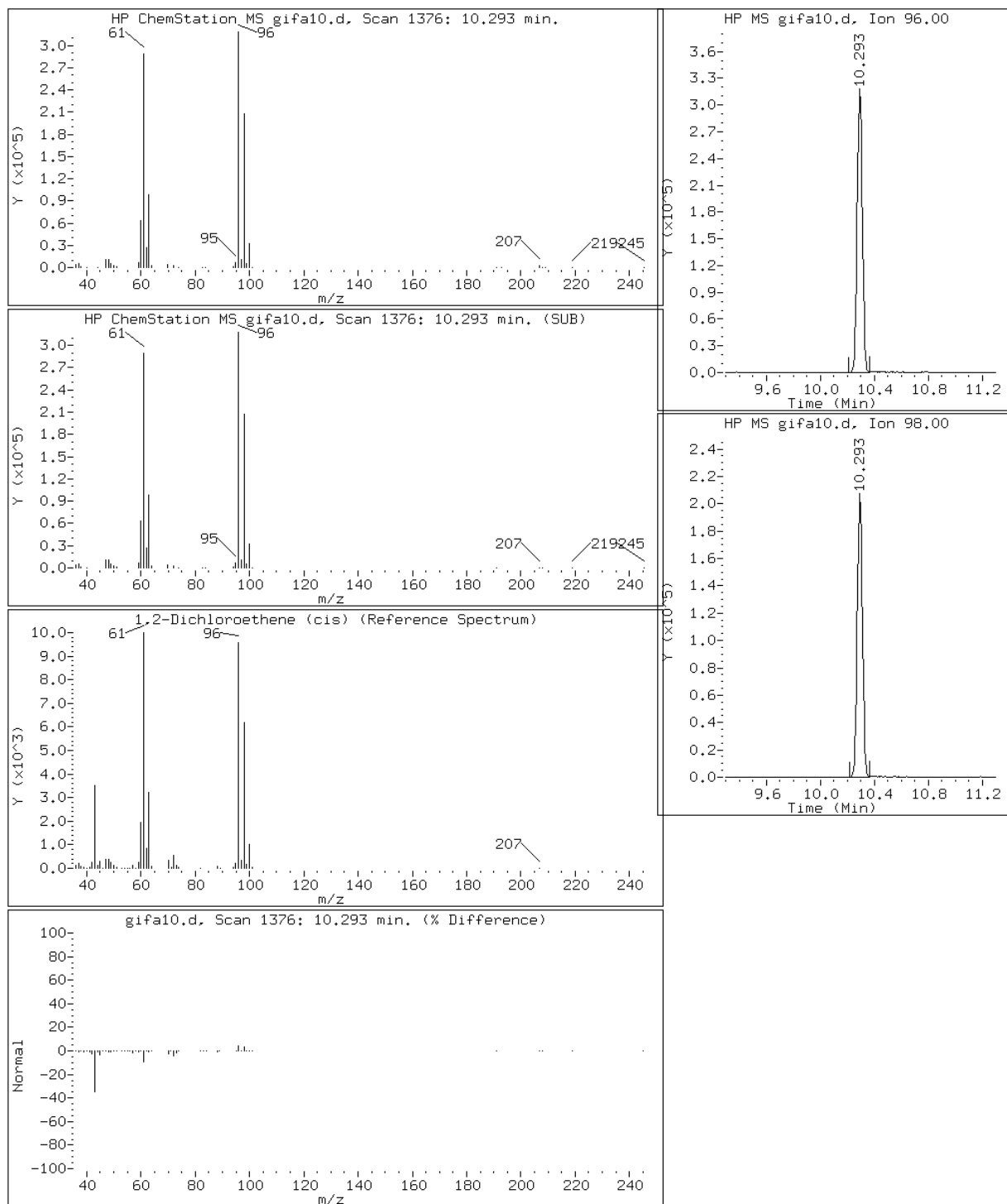
Client ID: LRP Effluent 3Q13

Instrument: G.i

Sample Info: 480-41199-A-1

Operator: pad

34 1,2-Dichloroethene (cis)



Data File: gifa10.d

Lab Sample ID: 480-41199-1

Date: 10-JUL-2013 22:52

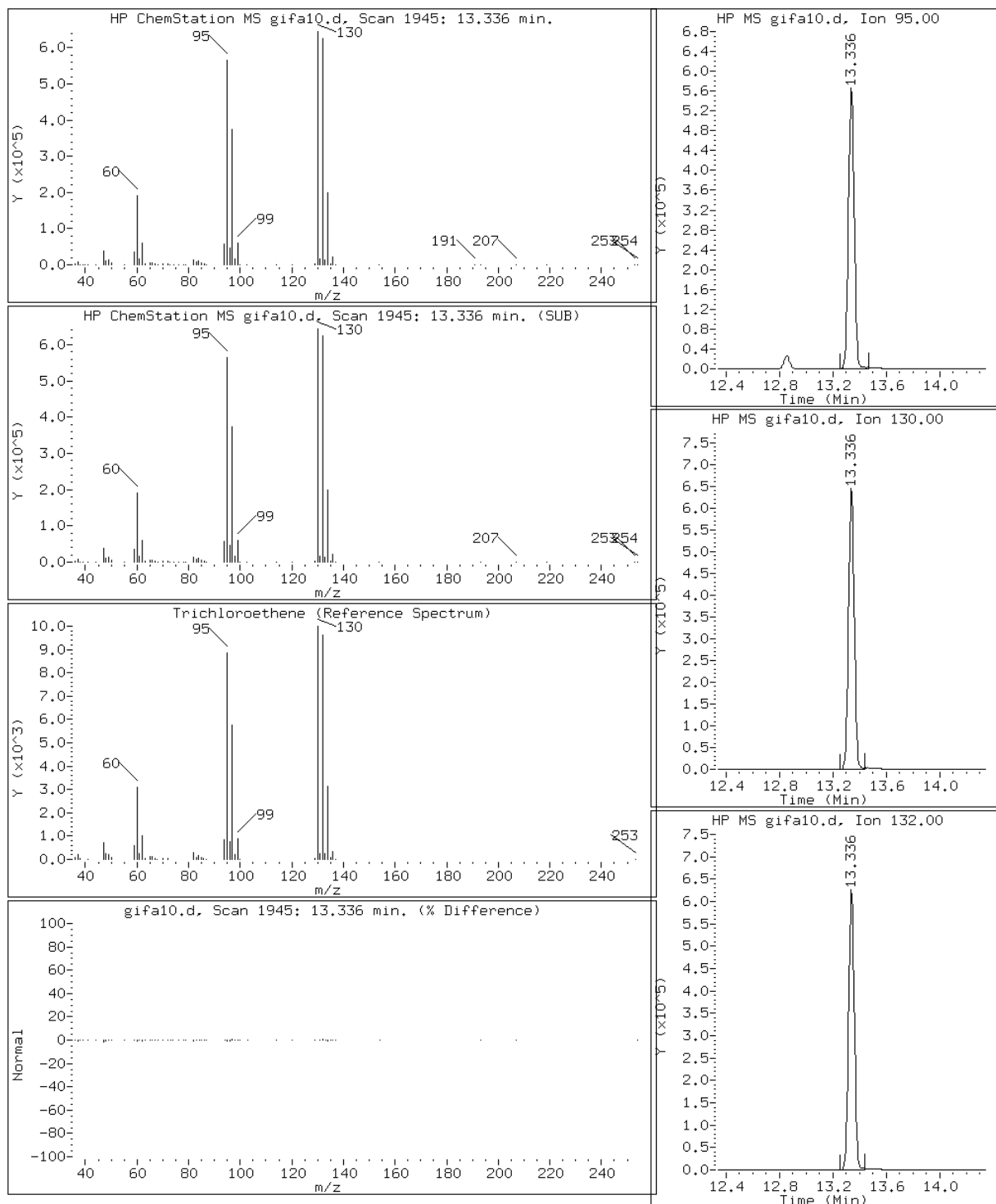
Client ID: LRP Effluent 3Q13

Instrument: G.i

Sample Info: 480-41199-A-1

Operator: pad

49 Trichloroethene



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

Lab Name: TestAmerica Burlington Job No.: 480-41199-1

SDG No.: _____

Client Sample ID: AS Effluent 3Q13 Lab Sample ID: 480-41199-2

Matrix: Air Lab File ID: gifall.d

Analysis Method: TO-15 Date Collected: 07/01/2013 11:30

Sample wt/vol: 50 (mL) Date Analyzed: 07/10/2013 23:39

Soil Aliquot Vol: _____ Dilution Factor: 4

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

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

Analysis Batch No.: 58342 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		2.0	2.0
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.80	0.80
74-87-3	Chloromethane	50.49	ND		2.0	2.0
75-01-4	Vinyl chloride	62.50	12		0.80	0.80
106-99-0	1,3-Butadiene	54.09	ND		0.80	0.80
74-83-9	Bromomethane	94.94	ND		0.80	0.80
75-00-3	Chloroethane	64.52	36		2.0	2.0
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.80	0.80
75-69-4	Trichlorofluoromethane	137.37	ND		0.80	0.80
76-13-1	Freon TF	187.38	ND		0.80	0.80
75-35-4	1,1-Dichloroethene	96.94	ND		0.80	0.80
67-64-1	Acetone	58.08	ND	^ *	20	20
67-63-0	Isopropyl alcohol	60.10	ND		20	20
75-15-0	Carbon disulfide	76.14	ND		2.0	2.0
107-05-1	3-Chloropropene	76.53	ND		2.0	2.0
75-09-2	Methylene Chloride	84.93	ND		2.0	2.0
75-65-0	tert-Butyl alcohol	74.12	ND		20	20
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.80	0.80
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.80	0.80
110-54-3	n-Hexane	86.17	ND		0.80	0.80
75-34-3	1,1-Dichloroethane	98.96	5.0		0.80	0.80
78-93-3	Methyl Ethyl Ketone	72.11	ND		2.0	2.0
156-59-2	cis-1,2-Dichloroethene	96.94	110		0.80	0.80
540-59-0	1,2-Dichloroethene, Total	96.94	110		0.80	0.80
67-66-3	Chloroform	119.38	ND		0.80	0.80
109-99-9	Tetrahydrofuran	72.11	ND		20	20
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.80	0.80
110-82-7	Cyclohexane	84.16	ND		0.80	0.80
56-23-5	Carbon tetrachloride	153.81	ND		0.80	0.80
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.80	0.80
71-43-2	Benzene	78.11	0.89		0.80	0.80
107-06-2	1,2-Dichloroethane	98.96	ND		0.80	0.80
142-82-5	n-Heptane	100.21	ND		0.80	0.80
79-01-6	Trichloroethene	131.39	50		0.80	0.80

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

Lab Name: TestAmerica Burlington Job No.: 480-41199-1
 SDG No.: _____
 Client Sample ID: AS Effluent 3Q13 Lab Sample ID: 480-41199-2
 Matrix: Air Lab File ID: gifall.d
 Analysis Method: TO-15 Date Collected: 07/01/2013 11:30
 Sample wt/vol: 50 (mL) Date Analyzed: 07/10/2013 23:39
 Soil Aliquot Vol: _____ Dilution Factor: 4
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58342 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	ND		0.80	0.80
123-91-1	1,4-Dioxane	88.11	ND		20	20
75-27-4	Bromodichloromethane	163.83	ND		0.80	0.80
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.80	0.80
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	2.0
108-88-3	Toluene	92.14	1.7		0.80	0.80
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.80	0.80
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.80	0.80
127-18-4	Tetrachloroethene	165.83	ND		0.80	0.80
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	2.0
124-48-1	Dibromochloromethane	208.29	ND		0.80	0.80
106-93-4	1,2-Dibromoethane	187.87	ND		0.80	0.80
108-90-7	Chlorobenzene	112.30	ND		0.80	0.80
100-41-4	Ethylbenzene	106.17	ND		0.80	0.80
179601-23-1	m,p-Xylene	106.17	ND		2.0	2.0
95-47-6	Xylene, o-	106.17	ND		0.80	0.80
1330-20-7	Xylene (total)	106.17	1.2		0.80	0.80
100-42-5	Styrene	104.15	ND		0.80	0.80
75-25-2	Bromoform	252.75	ND		0.80	0.80
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.80	0.80
622-96-8	4-Ethyltoluene	120.20	ND		0.80	0.80
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.80	0.80
95-49-8	2-Chlorotoluene	126.59	ND		0.80	0.80
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.80	0.80
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.80	0.80
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.80	0.80
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.80	0.80
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		2.0	2.0
87-68-3	Hexachlorobutadiene	260.76	ND		0.80	0.80

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

Lab Name: TestAmerica Burlington Job No.: 480-41199-1

SDG No.: _____

Client Sample ID: AS Effluent 3Q13 Lab Sample ID: 480-41199-2

Matrix: Air Lab File ID: gifall.d

Analysis Method: TO-15 Date Collected: 07/01/2013 11:30

Sample wt/vol: 50 (mL) Date Analyzed: 07/10/2013 23:39

Soil Aliquot Vol: _____ Dilution Factor: 4

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

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

Analysis Batch No.: 58342 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		9.9	9.9
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		5.6	5.6
74-87-3	Chloromethane	50.49	ND		4.1	4.1
75-01-4	Vinyl chloride	62.50	31		2.0	2.0
106-99-0	1,3-Butadiene	54.09	ND		1.8	1.8
74-83-9	Bromomethane	94.94	ND		3.1	3.1
75-00-3	Chloroethane	64.52	95		5.3	5.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		3.5	3.5
75-69-4	Trichlorofluoromethane	137.37	ND		4.5	4.5
76-13-1	Freon TF	187.38	ND		6.1	6.1
75-35-4	1,1-Dichloroethene	96.94	ND		3.2	3.2
67-64-1	Acetone	58.08	ND	^ *	48	48
67-63-0	Isopropyl alcohol	60.10	ND		49	49
75-15-0	Carbon disulfide	76.14	ND		6.2	6.2
107-05-1	3-Chloropropene	76.53	ND		6.3	6.3
75-09-2	Methylene Chloride	84.93	ND		6.9	6.9
75-65-0	tert-Butyl alcohol	74.12	ND		61	61
1634-04-4	Methyl tert-butyl ether	88.15	ND		2.9	2.9
156-60-5	trans-1,2-Dichloroethene	96.94	ND		3.2	3.2
110-54-3	n-Hexane	86.17	ND		2.8	2.8
75-34-3	1,1-Dichloroethane	98.96	20		3.2	3.2
78-93-3	Methyl Ethyl Ketone	72.11	ND		5.9	5.9
156-59-2	cis-1,2-Dichloroethene	96.94	420		3.2	3.2
540-59-0	1,2-Dichloroethene, Total	96.94	430		3.2	3.2
67-66-3	Chloroform	119.38	ND		3.9	3.9
109-99-9	Tetrahydrofuran	72.11	ND		59	59
71-55-6	1,1,1-Trichloroethane	133.41	ND		4.4	4.4
110-82-7	Cyclohexane	84.16	ND		2.8	2.8
56-23-5	Carbon tetrachloride	153.81	ND		5.0	5.0
540-84-1	2,2,4-Trimethylpentane	114.23	ND		3.7	3.7
71-43-2	Benzene	78.11	2.8		2.6	2.6
107-06-2	1,2-Dichloroethane	98.96	ND		3.2	3.2
142-82-5	n-Heptane	100.21	ND		3.3	3.3
79-01-6	Trichloroethene	131.39	270		4.3	4.3

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

Lab Name: TestAmerica Burlington Job No.: 480-41199-1
 SDG No.: _____
 Client Sample ID: AS Effluent 3Q13 Lab Sample ID: 480-41199-2
 Matrix: Air Lab File ID: gifall.d
 Analysis Method: TO-15 Date Collected: 07/01/2013 11:30
 Sample wt/vol: 50 (mL) Date Analyzed: 07/10/2013 23:39
 Soil Aliquot Vol: _____ Dilution Factor: 4
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58342 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	ND		3.7	3.7
123-91-1	1,4-Dioxane	88.11	ND		72	72
75-27-4	Bromodichloromethane	163.83	ND		5.4	5.4
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		3.6	3.6
108-10-1	methyl isobutyl ketone	100.16	ND		8.2	8.2
108-88-3	Toluene	92.14	6.6		3.0	3.0
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		3.6	3.6
79-00-5	1,1,2-Trichloroethane	133.41	ND		4.4	4.4
127-18-4	Tetrachloroethene	165.83	ND		5.4	5.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		8.2	8.2
124-48-1	Dibromochloromethane	208.29	ND		6.8	6.8
106-93-4	1,2-Dibromoethane	187.87	ND		6.1	6.1
108-90-7	Chlorobenzene	112.30	ND		3.7	3.7
100-41-4	Ethylbenzene	106.17	ND		3.5	3.5
179601-23-1	m,p-Xylene	106.17	ND		8.7	8.7
95-47-6	Xylene, o-	106.17	ND		3.5	3.5
1330-20-7	Xylene (total)	106.17	5.0		3.5	3.5
100-42-5	Styrene	104.15	ND		3.4	3.4
75-25-2	Bromoform	252.75	ND		8.3	8.3
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		5.5	5.5
622-96-8	4-Ethyltoluene	120.20	ND		3.9	3.9
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		3.9	3.9
95-49-8	2-Chlorotoluene	126.59	ND		4.1	4.1
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		3.9	3.9
541-73-1	1,3-Dichlorobenzene	147.00	ND		4.8	4.8
106-46-7	1,4-Dichlorobenzene	147.00	ND		4.8	4.8
95-50-1	1,2-Dichlorobenzene	147.00	ND		4.8	4.8
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		15	15
87-68-3	Hexachlorobutadiene	260.76	ND		8.5	8.5

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 480-41199-2
Client Smp ID: AS Effluent 3Q13
Inj Date : 10-JUL-2013 23:39
Operator : pad
Smp Info : 480-41199-A-2
Misc Info : 50,4, all74 (mod)
Comment :
Method : /chem/G.i/Gsvr.p/gifat15.b/to15v5.m
Meth Date : 12-Jul-2013 10:45 pd
Cal Date : 10-JUL-2013 02:39
Als bottle: 3
Dil Factor: 4.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gif14.d
Compound Sublist: T015all.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	4.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	50.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85		3.151	3.151	(0.292)	14031	0.11617	0.46(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85		Compound Not Detected.					
5 Chloromethane	50		3.584	3.579	(0.332)	3258	0.15860	0.63(a)
7 Vinyl chloride	62		3.846	3.846	(0.357)	84038	3.01905	12
8 1,3-Butadiene	54		Compound Not Detected.					
9 Bromomethane	94		Compound Not Detected.					
10 Chloroethane	64		4.916	4.916	(0.456)	92382	9.01190	36
12 Vinyl bromide	106		Compound Not Detected.					
13 Trichlorofluoromethane	101		5.435	5.446	(0.504)	8250	0.05932	0.24(a)
17 1,1,2-Trichloro-1,2,2-trifluo	101		Compound Not Detected.					
19 1,1-Dichloroethene	96		Compound Not Detected.					
20 Acetone	43		6.896	6.885	(0.640)	26053	0.87645	3.5(a)
21 Carbon disulfide	76		7.019	7.013	(0.651)	20186	0.19982	0.80(a)
22 Isopropanol	45		Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
23 Allyl chloride	41				Compound Not Detected.		
25 Methylene chloride	49	7.752	7.768	(0.719)	1709	0.06576	0.26(a)
26 Tert-butyl alcohol	59				Compound Not Detected.		
27 Methyl tert-butyl ether	73				Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61	8.212	8.222	(0.762)	7069	0.16418	0.66(a)
30 n-Hexane	57	8.629	8.629	(0.800)	2879	0.08538	0.34(aQ)
31 1,1-Dichloroethane	63	9.132	9.137	(0.847)	77112	1.25124	5.0
M 33 1,2-Dichloroethene, Total	61				1449622	26.9209	110
34 1,2-Dichloroethene (cis)	96	10.293	10.298	(0.955)	1442553	26.7567	110
36 Methyl Ethyl Ketone	72	10.368	10.367	(0.962)	4244	0.24201	0.97(aQ)
* 37 Bromochloromethane	128	10.779	10.785	(1.000)	581696	10.0000	
38 Tetrahydrofuran	42				Compound Not Detected.		
39 Chloroform	83				Compound Not Detected.		
40 Cyclohexane	84				Compound Not Detected.		
41 1,1,1-Trichloroethane	97	11.191	11.213	(0.871)	13445	0.08726	0.35(a)
42 Carbon tetrachloride	117				Compound Not Detected.		
43 2,2,4-Trimethylpentane	57				Compound Not Detected.		
44 Benzene	78	11.962	11.962	(0.930)	40314	0.22275	0.89
45 1,2-Dichloroethane	62				Compound Not Detected.		
46 n-Heptane	43	12.363	12.352	(0.962)	3520	0.04549	0.18(aQ)
* 47 1,4-Difluorobenzene	114	12.855	12.860	(1.000)	3054257	10.0000	
49 Trichloroethene	95	13.337	13.342	(1.037)	1321778	12.4048	50
50 1,2-Dichloropropane	63				Compound Not Detected.		
53 1,4-Dioxane	88	14.187	14.171	(1.104)	11604	0.35441	1.4(a)
54 Bromodichloromethane	83				Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75				Compound Not Detected.		
56 Methyl isobutyl ketone	43				Compound Not Detected.		
58 Toluene	92	16.081	16.086	(0.846)	67846	0.43512	1.7
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				Compound Not Detected.		
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	19.018	19.023	(1.000)	2681263	10.0000	
66 Chlorobenzene	112				Compound Not Detected.		
68 Ethylbenzene	91	19.237	19.237	(1.012)	27494	0.08216	0.33(a)
69 Xylene (m,p)	106	19.489	19.494	(1.025)	26542	0.20537	0.82(a)
M 70 Xylenes, Total	106				37354	0.28860	1.2
71 Xylene (o)	106	20.302	20.307	(1.067)	10812	0.08323	0.33(a)
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	22.479	22.490	(1.182)	15803	0.05233	0.21(a)
87 1,3-Dichlorobenzene	146				Compound Not Detected.		

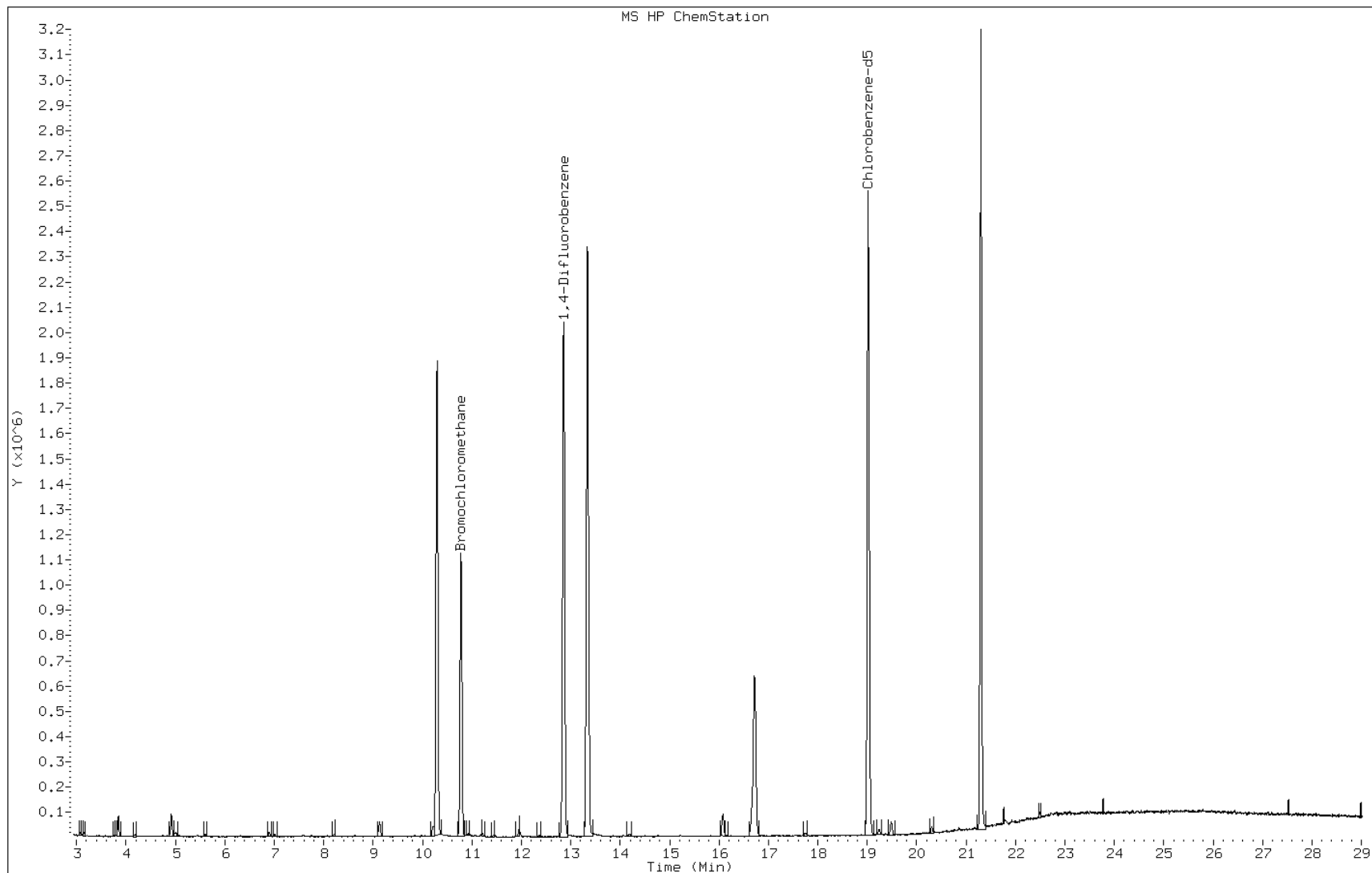
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				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: gifa11.d
Client ID: AS Effluent 3Q13
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 480-41199-A-2
Lab Sample ID: 480-41199-2

Date: 10-JUL-2013 23:39
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



Data File: gifa11.d

Lab Sample ID: 480-41199-2

Date: 10-JUL-2013 23:39

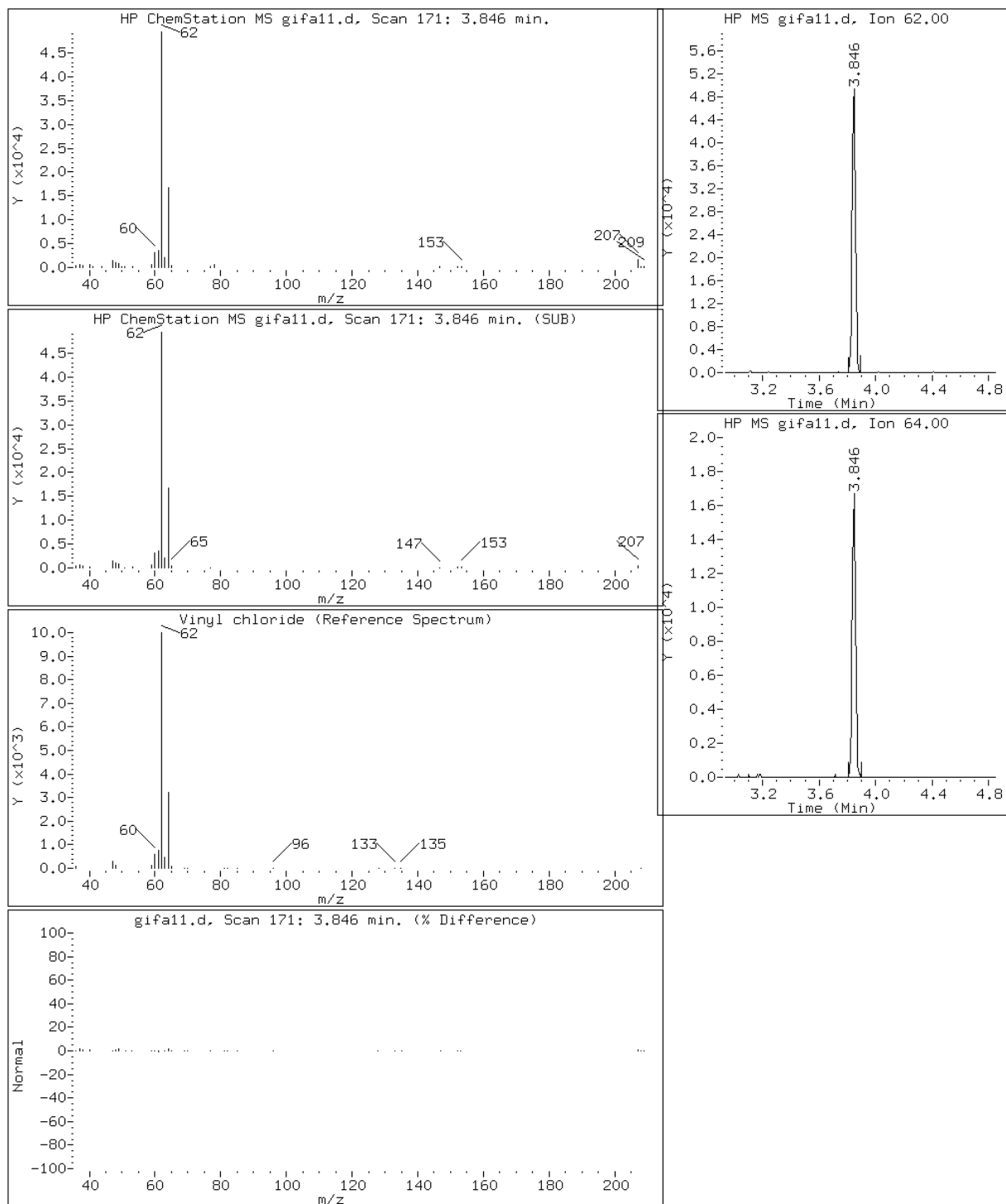
Client ID: AS Effluent 3Q13

Instrument: G.i

Sample Info: 480-41199-A-2

Operator: pad

7 Vinyl chloride



Data File: gifa11.d

Lab Sample ID: 480-41199-2

Date: 10-JUL-2013 23:39

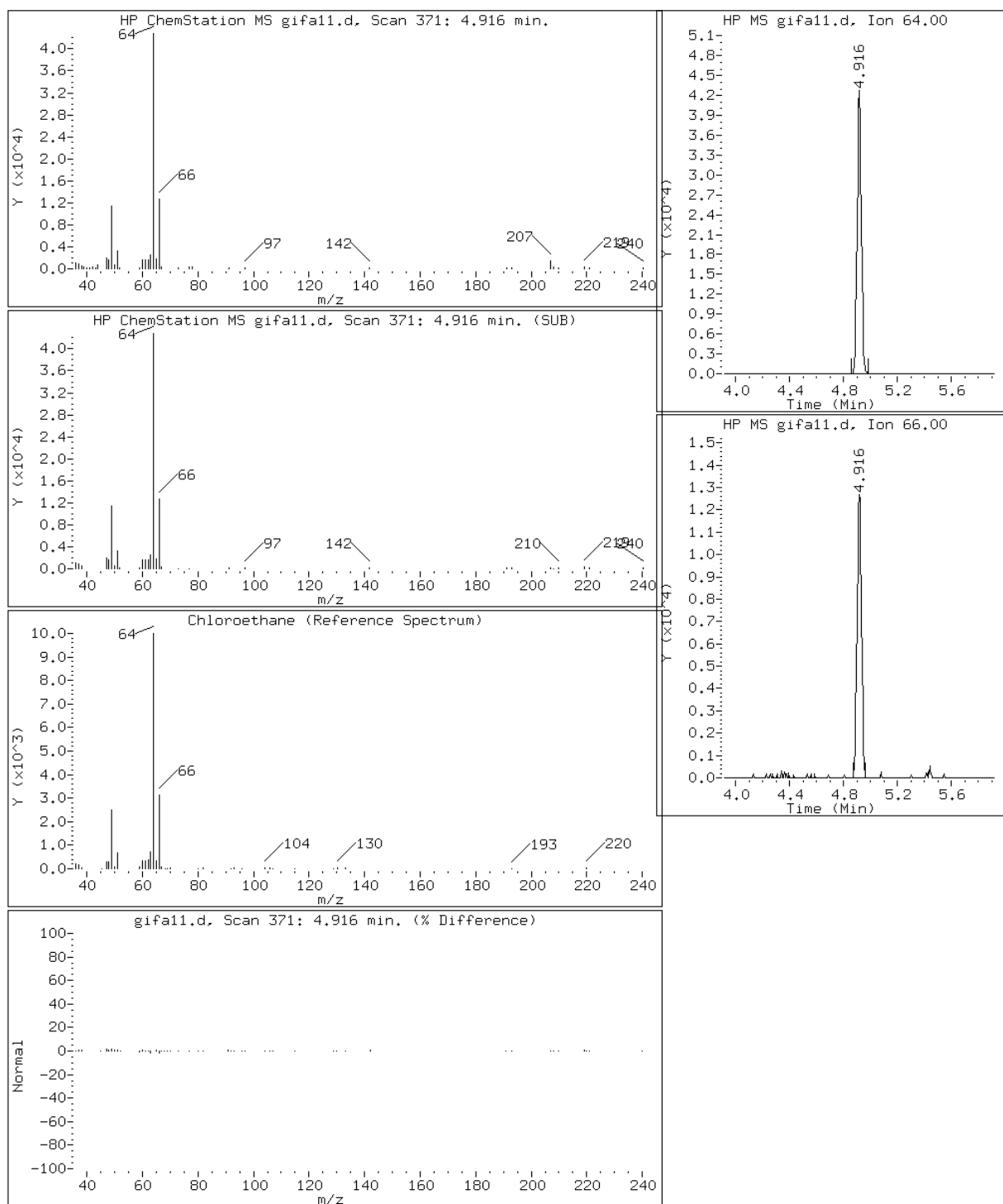
Client ID: AS Effluent 3Q13

Instrument: G.i

Sample Info: 480-41199-A-2

Operator: pad

10 Chloroethane



Data File: gifa11.d

Lab Sample ID: 480-41199-2

Date: 10-JUL-2013 23:39

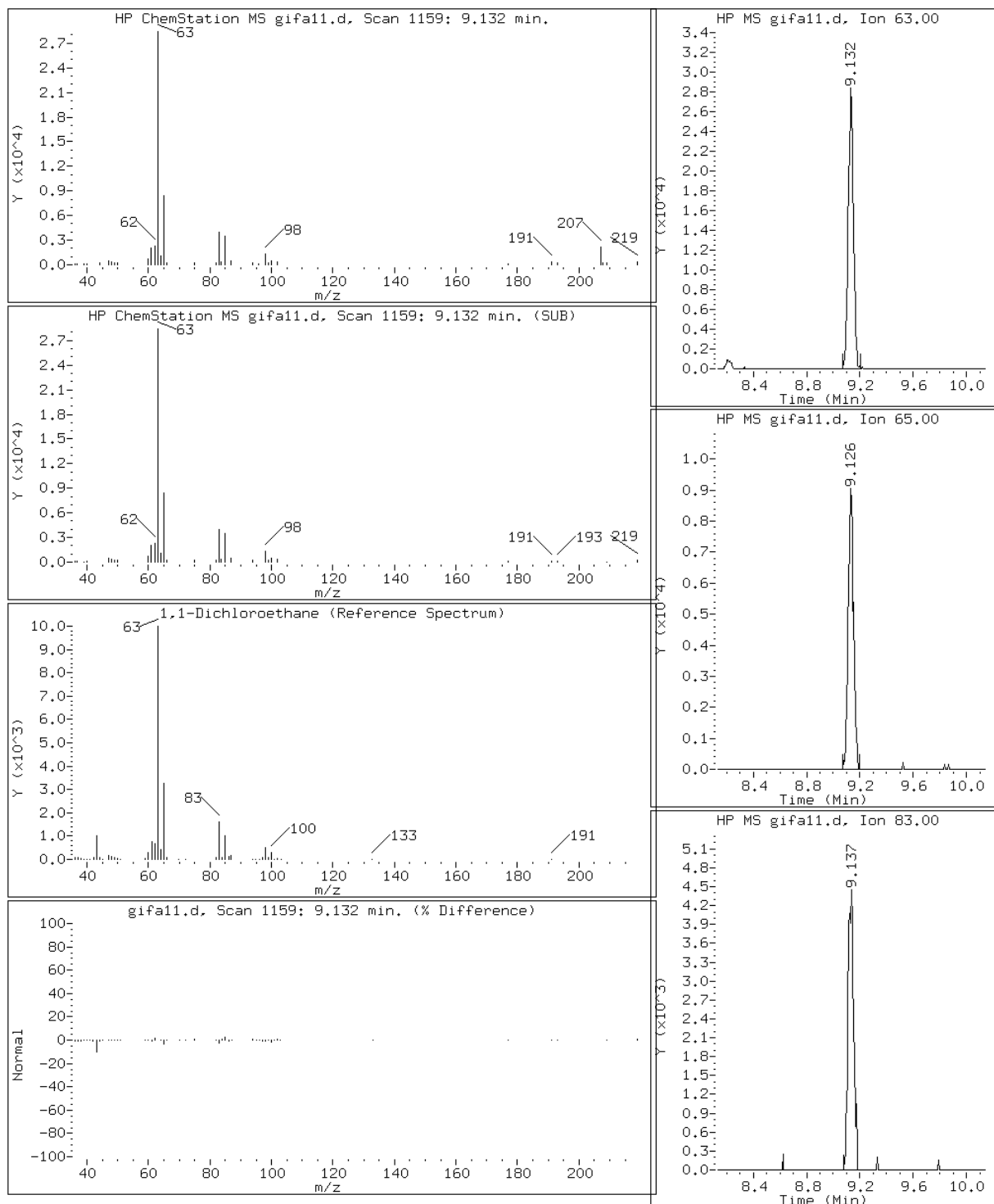
Client ID: AS Effluent 3Q13

Instrument: G.i

Sample Info: 480-41199-A-2

Operator: pad

31 1,1-Dichloroethane



Data File: gifa11.d

Lab Sample ID: 480-41199-2

Date: 10-JUL-2013 23:39

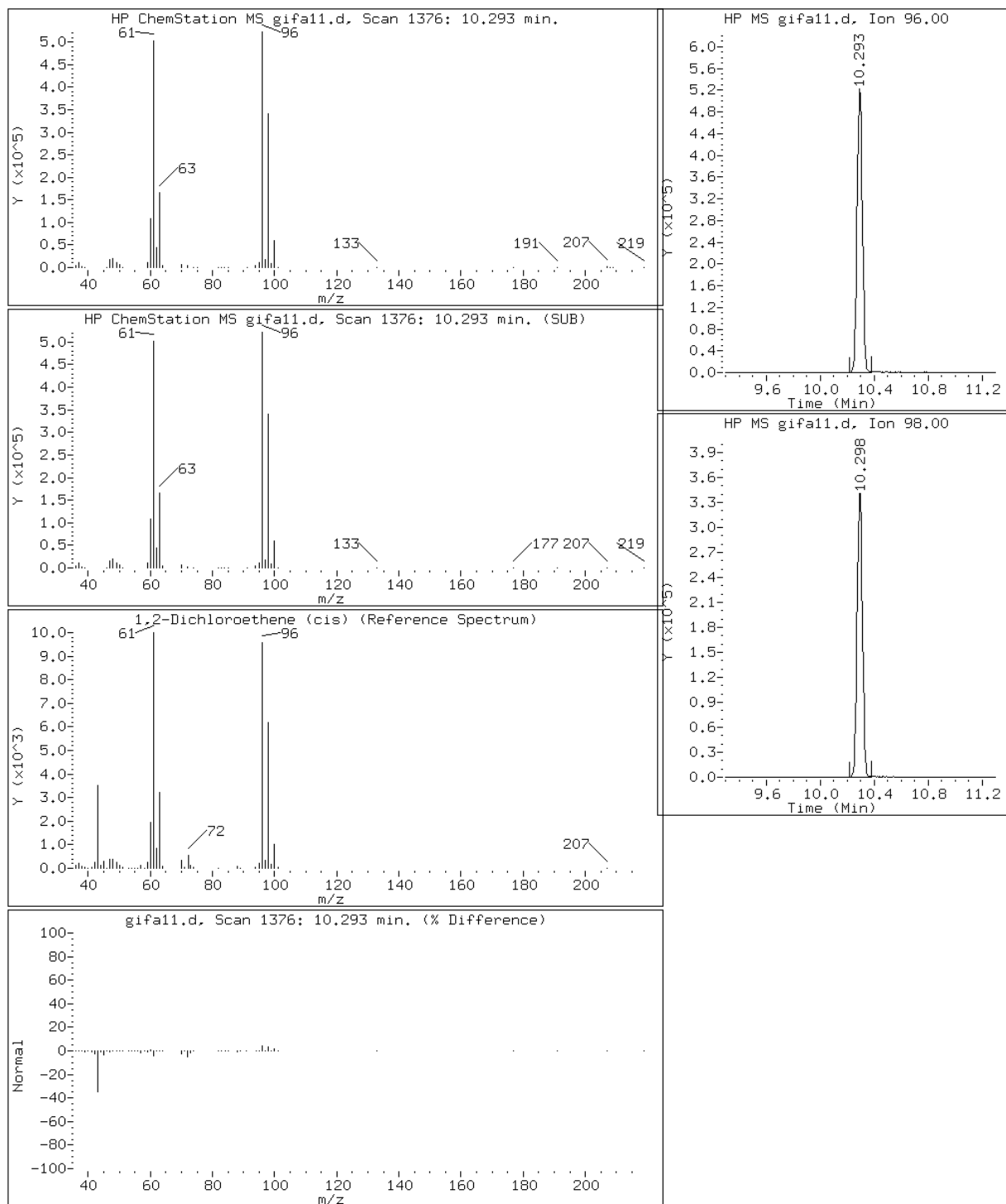
Client ID: AS Effluent 3Q13

Instrument: G.i

Sample Info: 480-41199-A-2

Operator: pad

34 1,2-Dichloroethene (cis)



Data File: gifa11.d

Lab Sample ID: 480-41199-2

Date: 10-JUL-2013 23:39

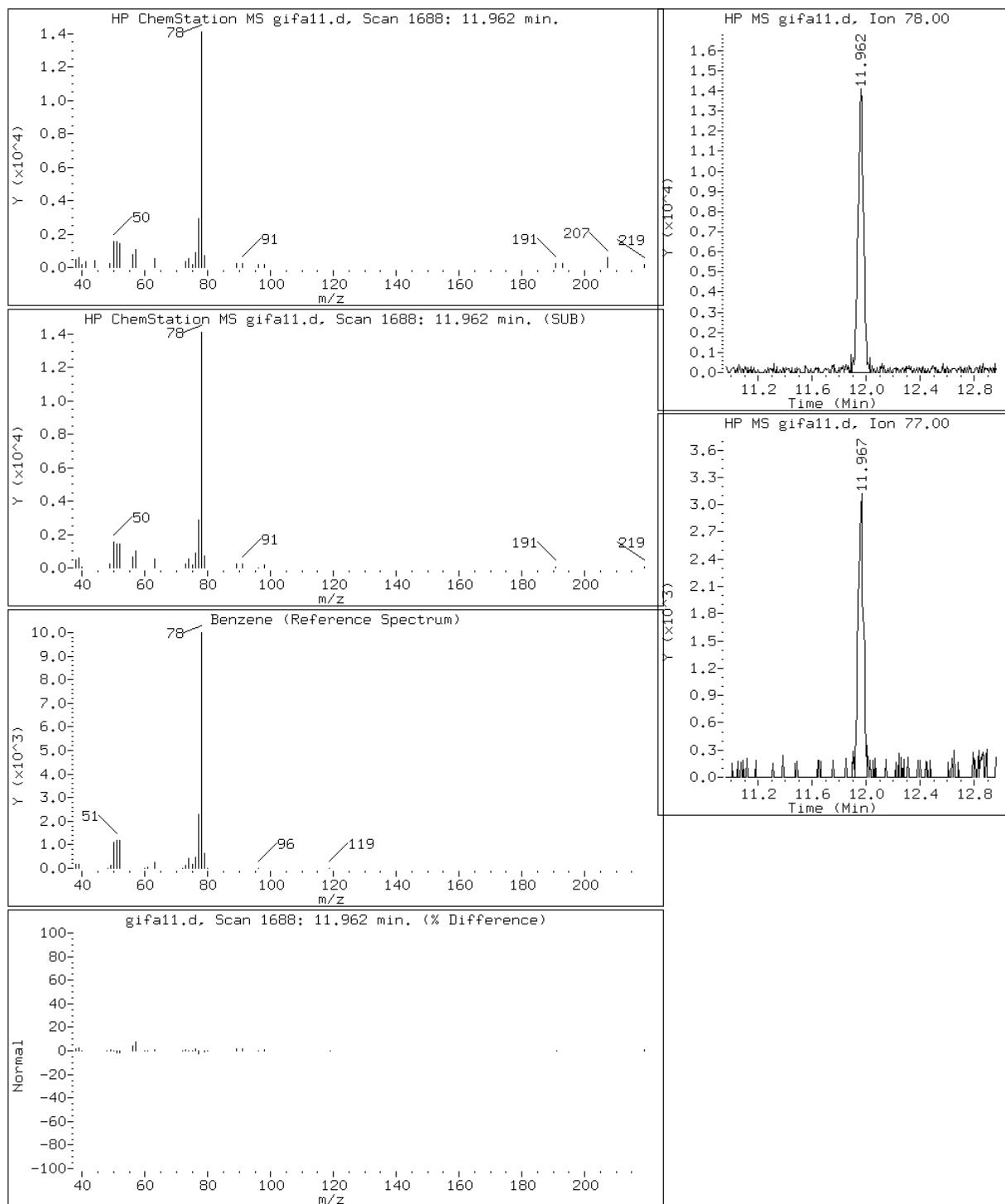
Client ID: AS Effluent 3Q13

Instrument: G.i

Sample Info: 480-41199-A-2

Operator: pad

44 Benzene



Data File: gifa11.d

Lab Sample ID: 480-41199-2

Date: 10-JUL-2013 23:39

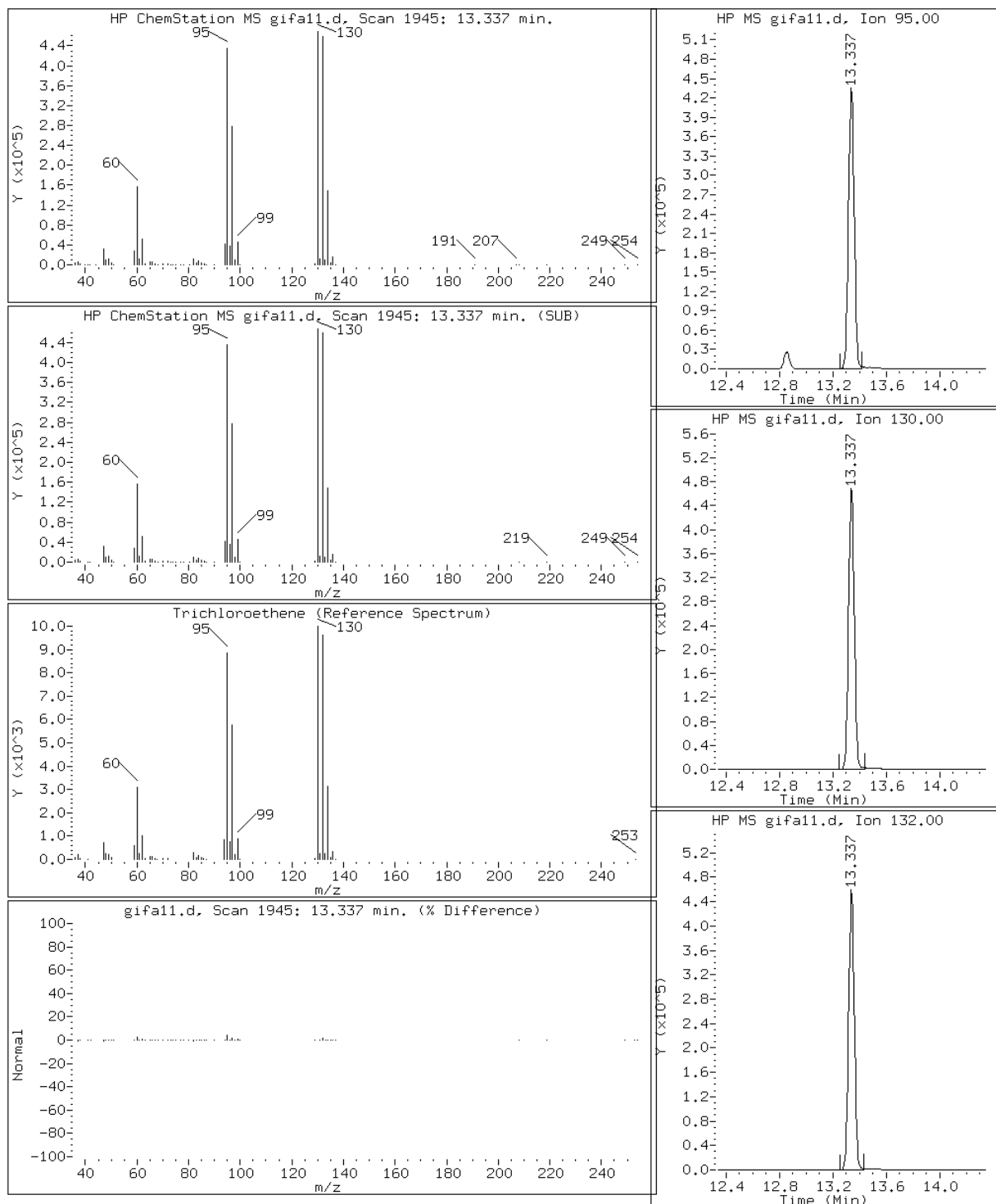
Client ID: AS Effluent 3Q13

Instrument: G.i

Sample Info: 480-41199-A-2

Operator: pad

49 Trichloroethene



Data File: gifa11.d

Lab Sample ID: 480-41199-2

Date: 10-JUL-2013 23:39

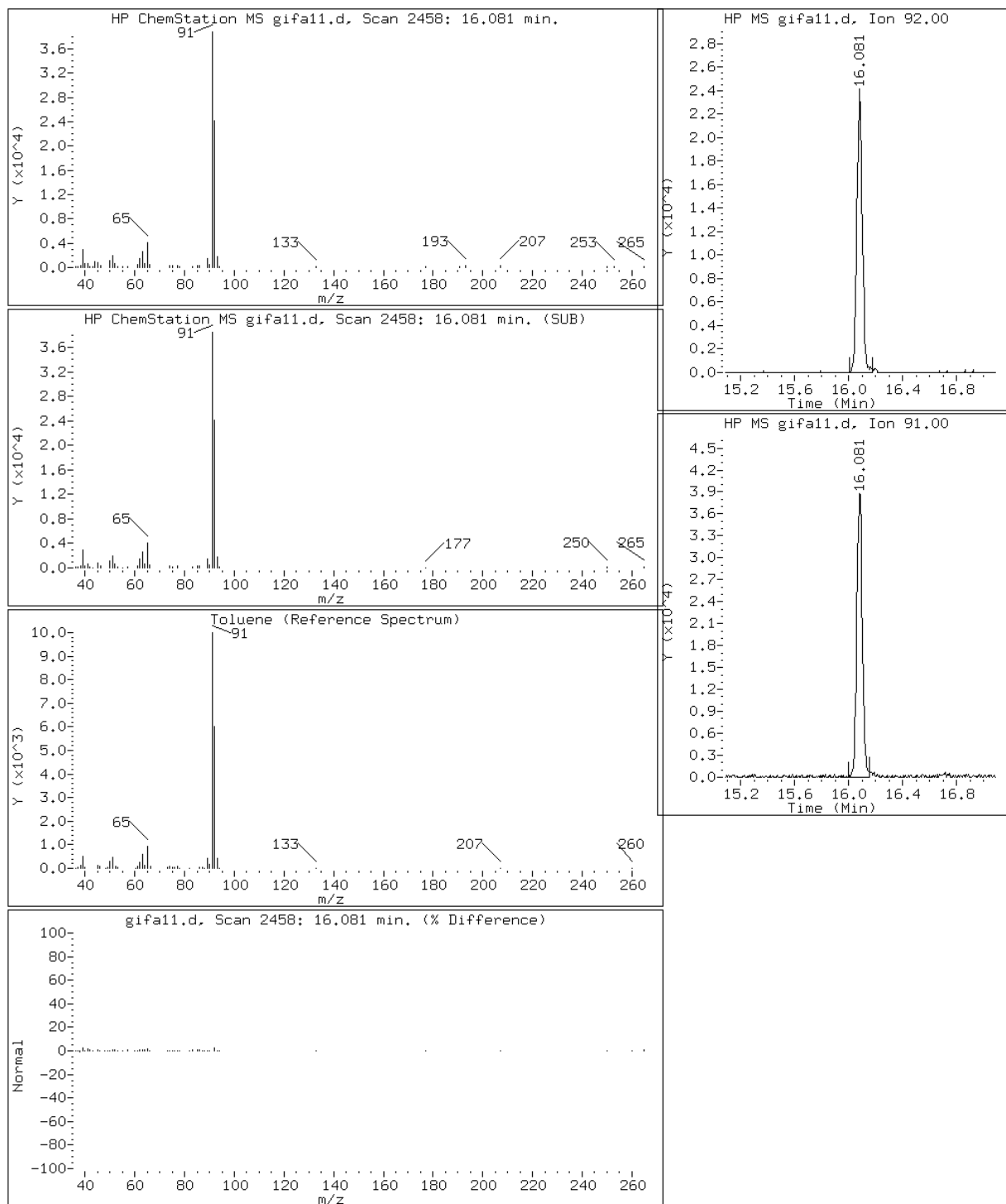
Client ID: AS Effluent 3Q13

Instrument: G.i

Sample Info: 480-41199-A-2

Operator: pad

58 Toluene



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

Lab Name: TestAmerica Burlington Job No.: 480-41199-1 Analy Batch No.: 58308

SDG No.: _____

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

Calibration Start Date: 07/09/2013 21:09 Calibration End Date: 07/10/2013 02:39 Calibration ID: 22424

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-58308/7	gif07.d
Level 2	IC 200-58308/8	gif08.d
Level 3	IC 200-58308/9	gif09.d
Level 4	IC 200-58308/10	gif10.d
Level 5	ICIS 200-58308/11	gif11.d
Level 6	IC 200-58308/12	gif12.d
Level 7	IC 200-58308/13	gif13.d
Level 8	IC 200-58308/14	gif14.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	++++ 0.1954	++++ 0.1790	0.2457 0.1803	0.2443	0.2186	Ave		0.2105				14.4		30.0			
Dichlorodifluoromethane	++++ 1.9659	++++ 1.8430	2.2886 1.7985	2.3872	2.1752	Ave		2.0764				11.7		30.0			
Freon 22	++++ 0.6872	++++ 0.6481	0.8731 0.6324	0.8628	0.7777	Ave		0.7469				14.3		30.0			
1,2-Dichlorotetrafluoroethane	++++ 1.8251	2.2978 1.6935	2.2350 1.6223	2.2656	2.0406	Ave		1.9971				14.2		30.0			
Chloromethane	++++ 0.3244	++++ 0.3038	0.4098 0.3028	0.4099	0.3681	Ave		0.3531				14.1		30.0			
n-Butane	++++ 0.3904	++++ 0.3741	0.4895 0.3708	0.4886	0.4326	Ave		0.4243				12.9		30.0			
Vinyl chloride	0.5622 0.4284	0.5281 0.4145	0.4902 0.4119	0.5228	0.4701	Ave		0.4785				11.9		30.0			
1,3-Butadiene	++++ 0.2494	0.3123 0.2409	0.3099 0.2455	0.3081	0.2760	Ave		0.2774				11.7		30.0			
Bromomethane	++++ 0.6411	0.8140 0.6098	0.7392 0.6101	0.7593	0.7080	Ave		0.6974				11.4		30.0			
Chloroethane	++++ 0.1652	++++ 0.1596	0.1978 0.1550	0.1925	0.1873	Ave		0.1762				10.5		30.0			
Isopentane	++++ 0.2573	0.4408 0.2402	0.3453 0.2310	0.3107	0.2800	Ave		0.3008				24.5		30.0			
Bromoethene (Vinyl Bromide)	++++ 0.7914	0.8659 0.7701	0.8333 0.7785	0.8772	0.8526	Ave		0.8241				5.3		30.0			
Trichlorofluoromethane	++++ 2.2392	2.7544 2.1409	2.4579 2.1241	2.5975	2.4208	Ave		2.3907				9.9		30.0			
n-Pentane	++++ 0.4879	++++ 0.4527	0.5938 0.4451	0.5771	0.5380	Ave		0.5158				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.: 480-41199-1 Analy Batch No.: 58308

SDG No.: _____

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

Calibration Start Date: 07/09/2013 21:09 Calibration End Date: 07/10/2013 02:39 Calibration ID: 22424

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	+++++ 0.1053	+++++ 0.1162	0.1361 0.1212	0.1389	0.1322	Ave		0.1250				10.4		30.0			
Ethyl ether	+++++ 0.2674	0.2873 0.2552	0.2835 0.2586	0.3081	0.2937	Ave		0.2791				7.0		30.0			
Acrolein	+++++ 0.0815	+++++ 0.1231	+++++ 0.1243	0.1537	0.1417	Ave		0.1248				21.9		30.0			
Freon TF	+++++ 1.4305	1.7144 1.3504	1.5607 1.3137	1.6693	1.5557	Ave		1.5135				10.2		30.0			
1,1-Dichloroethene	+++++ 0.5944	0.7200 0.5614	0.6574 0.5593	0.6828	0.6412	Ave		0.6309				9.8		30.0			
Acetone	+++++ 0.4934	+++++ 0.4784	+++++ 0.4621	0.6045	0.5167	Ave		0.5110				11.0		30.0			
Carbon disulfide	+++++ 1.6593	+++++ 1.5784	1.8177 1.5868	1.9489	1.8288	Ave		1.7367				8.7		30.0			
Isopropyl alcohol	+++++ 0.3739	+++++ 0.3728	+++++ 0.3370	0.4026	0.3709	Ave		0.3715				6.3		30.0			
3-Chloropropene	+++++ 0.3305	0.3988 0.3063	0.3484 0.3152	0.3777	0.3677	Ave		0.3492				9.8		30.0			
Acetonitrile	+++++ 0.2033	+++++ 0.1915	+++++ 0.1823	0.2401	0.2097	Ave		0.2054				10.8		30.0			
Methylene Chloride	+++++ 0.4162	+++++ 0.3903	0.5307 0.3903	0.4976	0.4554	Ave		0.4467				13.1		30.0			
tert-Butyl alcohol	+++++ 0.7711	+++++ 0.7574	+++++ 0.6990	0.8204	0.7546	Ave		0.7605				5.7		30.0			
Methyl tert-butyl ether	+++++ 1.3964	1.5091 1.3381	1.4160 1.3368	1.5777	1.5126	Ave		1.4410				6.5		30.0			
trans-1,2-Dichloroethene	+++++ 0.6888	0.8250 0.6466	0.7947 0.6333	0.8246	0.7685	Ave		0.7402				11.2		30.0			
Acrylonitrile	+++++ 0.2444	+++++ 0.2293	0.2505 0.2379	0.2815	0.2706	Ave		0.2524				7.9		30.0			
n-Hexane	+++++ 0.5440	0.6821 0.5142	0.5732 0.5116	0.6354	0.5974	Ave		0.5797				10.9		30.0			
1,1-Dichloroethane	1.2480 0.9802	1.1220 0.9286	1.0567 0.9293	1.1432	1.0677	Ave		1.0595				10.5		30.0			
Vinyl acetate	+++++ 0.8498	+++++ 0.8239	+++++ 0.8031	0.9764	0.9493	Ave		0.8805				8.8		30.0			
cis-1,2-Dichloroethene	+++++ 0.8936	1.0656 0.8583	0.9012 0.8667	0.9561	0.9463	Ave		0.9268				7.7		30.0			
Methyl Ethyl Ketone	+++++ 0.2974	+++++ 0.2824	+++++ 0.2858	0.3204	0.3125	Ave		0.3015				5.1		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 480-41199-1 Analy Batch No.: 58308

SDG No.: _____

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

Calibration Start Date: 07/09/2013 21:09 Calibration End Date: 07/10/2013 02:39 Calibration ID: 22424

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0509	+++++ 0.0503	+++++ 0.0497	0.0529	0.0539	Ave		0.0515				3.5		30.0			
Tetrahydrofuran	+++++ 0.0887	+++++ 0.0805	+++++ 0.0783	0.1093	0.1016	Ave		0.0917				14.7		30.0			
Chloroform	+++++ 2.0605	2.1966 1.9690	2.1507 1.9834	2.3130	2.2022	Ave		2.1250				5.9		30.0			
Cyclohexane	+++++ 0.2122	0.2188 0.1923	0.2180 0.1876	0.2513	0.2331	Ave		0.2162				10.2		30.0			
1,1,1-Trichloroethane	+++++ 0.4801	0.5544 0.4432	0.5242 0.4414	0.5616	0.5264	Ave		0.5045				9.9		30.0			
Carbon tetrachloride	0.6739 0.5865	0.6314 0.5515	0.5923 0.5638	0.6626	0.6335	Ave		0.6119				7.4		30.0			
2,2,4-Trimethylpentane	+++++ 0.6738	0.8214 0.6002	0.7663 0.5516	0.8438	0.7693	Ave		0.7181				15.6		30.0			
Benzene	+++++ 0.5653	0.6772 0.5081	0.6215 0.4816	0.6741	0.6201	Ave		0.5926				13.0		30.0			
1,2-Dichloroethane	+++++ 0.2831	0.3341 0.2602	0.3140 0.2613	0.3350	0.3134	Ave		0.3001				10.7		30.0			
n-Heptane	+++++ 0.2248	0.3747 0.1972	0.2513 0.1843	0.2844	0.2570	Ave		0.2534				25.2		30.0			
n-Butanol	+++++ 0.0952	+++++ 0.0899	+++++ 0.0853	0.0805	0.0921	Ave		0.0886				6.5		30.0			
Trichloroethene	0.3182 0.3546	0.3488 0.3438	0.3330 0.3487	0.3725	0.3714	Ave		0.3489				5.2		30.0			
1,2-Dichloropropane	+++++ 0.2731	0.2857 0.2538	0.2718 0.2492	0.3086	0.2968	Ave		0.2770				7.8		30.0			
Methyl methacrylate	+++++ 0.2446	+++++ 0.2331	0.1759 0.2335	0.2472	0.2597	Ave		0.2323				12.6		30.0			
1,4-Dioxane	+++++ 0.1095	+++++ 0.1118	+++++ 0.1006	0.1085	0.1056	Ave		0.1072				4.0		30.0			
Dibromomethane	+++++ 0.3501	0.2979 0.3563	0.2770 0.4121	0.3222	0.3416	Ave		0.3367				13.0		30.0			
Bromodichloromethane	+++++ 0.6282	0.5791 0.5981	0.5367 0.6192	0.6560	0.6586	Ave		0.6108				7.1		30.0			
cis-1,3-Dichloropropene	+++++ 0.4399	0.3771 0.4219	0.3616 0.4335	0.4543	0.4583	Ave		0.4209				8.9		30.0			
methyl isobutyl ketone	+++++ 0.3972	+++++ 0.3597	0.3769 0.3394	0.4680	0.4535	Ave		0.3991				12.9		30.0			
Toluene	+++++ 0.5874	0.5731 0.5618	0.5587 0.5677	0.6107	0.6113	Ave		0.5815				3.8		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.: 480-41199-1 Analy Batch No.: 58308

SDG No.: _____

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

Calibration Start Date: 07/09/2013 21:09 Calibration End Date: 07/10/2013 02:39 Calibration ID: 22424

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	++++ 0.4065	0.5002 0.3593	0.4266 0.3213	0.5142	0.4656	Ave		0.4277				16.7		30.0			
trans-1,3-Dichloropropene	++++ 0.4479	0.4569 0.4330	0.3658 0.4511	0.4623	0.4738	Ave		0.4415				8.1		30.0			
1,1,2-Trichloroethane	++++ 0.3318	0.3489 0.3122	0.3317 0.3057	0.3618	0.3563	Ave		0.3355				6.4		30.0			
Tetrachloroethene	0.5380 0.5455	0.5054 0.5520	0.4789 0.6212	0.5182	0.5465	Ave		0.5382				7.8		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.3880	++++ 0.3610	0.2131 0.3349	0.4223	0.4443	Ave		0.3606				22.9		30.0			
Dibromochloromethane	++++ 0.7625	0.6325 0.7416	0.5922 0.7926	0.7500	0.7747	Ave		0.7209				10.7		30.0			
1,2-Dibromoethane	++++ 0.6146	0.5541 0.5995	0.5190 0.6296	0.6103	0.6320	Ave		0.5942				7.1		30.0			
Chlorobenzene	++++ 0.8003	0.7770 0.7778	0.7268 0.8177	0.8045	0.8228	Ave		0.7896				4.2		30.0			
Ethylbenzene	++++ 1.2770	1.2138 1.2131	1.1560 1.2087	1.3323	1.3359	Ave		1.2481				5.5		30.0			
n-Nonane	++++ 0.5152	0.6113 0.4566	0.5426 0.3995	0.6191	0.5772	Ave		0.5317				15.3		30.0			
m,p-Xylene	++++ 0.5097	0.4292 0.4860	0.4369 0.4707	0.5149	0.5268	Ave		0.4820				8.0		30.0			
Xylene, o-	++++ 0.5015	0.4451 0.4846	0.4326 0.4973	0.5114	0.5188	Ave		0.4845				6.8		30.0			
Styrene	++++ 0.7469	0.5190 0.7304	0.4867 0.7642	0.7228	0.7633	Ave		0.6762				17.7		30.0			
Bromoform	++++ 0.7822	0.5355 0.7742	0.5021 0.8852	0.6925	0.7683	Ave		0.7057				19.8		30.0			
Cumene	++++ 1.4209	1.3205 1.3555	1.2613 1.3422	1.4640	1.4757	Ave		1.3772				5.7		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.8536	0.8825 0.7854	0.8365 0.7220	0.9420	0.9173	Ave		0.8485				9.0		30.0			
n-Propylbenzene	++++ 1.7082	1.5604 1.5784	1.4743 1.3993	1.8078	1.8055	Ave		1.6191				9.9		30.0			
1,2,3-Trichloropropane	++++ 0.5856	++++ 0.5277	0.6089 0.4625	0.6629	0.6436	Ave		0.5819				12.9		30.0			
n-Decane	++++ 0.5462	++++ 0.4465	0.6863 0.3117	0.7681	0.6526	Ave		0.5685				29.7		30.0			
4-Ethyltoluene	++++ 1.4044	1.2157 1.2642	1.1070 1.0075	1.4755	1.5058	Ave		1.2829				14.7		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.: 480-41199-1 Analy Batch No.: 58308

SDG No.: _____

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

Calibration Start Date: 07/09/2013 21:09 Calibration End Date: 07/10/2013 02:39 Calibration ID: 22424

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	+++++ 1.1674	1.1571 1.0229	1.1017 0.8162	1.2977	1.2725	Ave		1.1194				14.6		30.0			
1,3,5-Trimethylbenzene	+++++ 1.2228	1.0906 1.1529	1.0482 1.1264	1.2523	1.2484	Ave		1.1631				6.9		30.0			
Alpha Methyl Styrene	+++++ 0.5813	0.3173 0.5842	0.3591 0.5936	0.5497	0.5875	Ave		0.5104				23.3		30.0			
tert-Butylbenzene	+++++ 1.1516	1.1483 1.0996	1.0161 1.0995	1.1872	1.1813	Ave		1.1262				5.3		30.0			
1,2,4-Trimethylbenzene	+++++ 1.2035	0.9978 1.1367	0.9923 1.1024	1.2254	1.2255	Ave		1.1262				8.9		30.0			
sec-Butylbenzene	+++++ 1.7506	1.6777 1.6432	1.5924 1.5090	1.8549	1.8337	Ave		1.6945				7.5		30.0			
4-Isopropyltoluene	+++++ 1.4675	1.2640 1.3855	1.1542 1.2888	1.4690	1.4923	Ave		1.3602				9.4		30.0			
1,3-Dichlorobenzene	+++++ 0.8029	0.5387 0.7984	0.4852 0.8800	0.6974	0.7624	Ave		0.7093				20.6		30.0			
1,4-Dichlorobenzene	+++++ 0.7355	0.4476 0.7342	0.4151 0.8673	0.6211	0.6870	Ave		0.6440				25.3		30.0			
Benzyl chloride	+++++ 0.7261	0.4753 0.7798	0.4501 0.9412	0.7285	0.8758	Ave		0.7110				26.3		30.0			
n-Butylbenzene	+++++ 1.2754	1.0674 1.1509	1.0077 0.9860	1.3488	1.3109	Ave		1.1639				12.8		30.0			
n-Undecane	+++++ 0.6598	+++++ 0.5422	+++++ 0.3875	0.8739	0.6823	Ave		0.6291				28.6		30.0			
1,2-Dichlorobenzene	+++++ 0.7679	0.5757 0.7564	0.5048 0.8626	0.6949	0.7340	Ave		0.6995				17.4		30.0			
n-Dodecane	+++++ 0.5832	+++++ 0.5240	+++++ 0.3782	0.4687	0.2517	Ave		0.4412				29.5		30.0			
1,2,4-Trichlorobenzene	+++++ 0.4038	+++++ 0.3633	0.1410 0.5050	0.2674	0.2806	Ave		0.3268				38.5	*	30.0			
Hexachlorobutadiene	+++++ 0.7075	0.6566 0.6566	0.5156 0.7772	0.6347	0.6067	Ave		0.6507				12.5		30.0			
Naphthalene	+++++ 1.0090	+++++ 0.8183	0.3238 0.9925	0.7233	0.6379	Ave		0.7508				34.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.4356	0.2169 0.3791	0.1281 0.4842	0.2973	0.2902	Ave		0.3188				39.0	*	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.: 480-41199-1 Analy Batch No.: 58308

SDG No.: _____

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

Calibration Start Date: 07/09/2013 21:09 Calibration End Date: 07/10/2013 02:39 Calibration ID: 22424

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-58308/7	gif07.d
Level 2	IC 200-58308/8	gif08.d
Level 3	IC 200-58308/9	gif09.d
Level 4	IC 200-58308/10	gif10.d
Level 5	ICIS 200-58308/11	gif11.d
Level 6	IC 200-58308/12	gif12.d
Level 7	IC 200-58308/13	gif13.d
Level 8	IC 200-58308/14	gif14.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	++++ 176722	++++ 219192	6638 440128	66192	124230	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	++++ 1777611	++++ 2256866	61843 4391282	646806	1236195	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	++++ 621384	++++ 793660	23593 1544145	233762	441975	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1650293	23720 2073857	60394 3961029	613852	1159682	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	++++ 293314	++++ 371978	11074 739448	111067	209198	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	++++ 352958	++++ 458085	13228 905445	132396	245875	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	1123 387373	5451 507615	13246 1005767	141665	267170	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	++++ 225496	3224 295000	8373 599462	83475	156844	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	++++ 579691	8403 746697	19974 1489702	205740	402355	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	++++ 149369	++++ 195441	5346 378346	52158	106435	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	++++ 232633	4550 294174	9332 563982	84174	159148	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 715615	8938 943108	22517 1900725	237687	484522	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	++++ 2024700	28433 2621711	66417 5186344	703786	1375754	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	++++ 441141	++++ 554408	16046 1086754	156354	305750	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Ethanol	BCM	Ave	++++ 126924	++++ 284607	36780 740000	75294	112706	++++ 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.: 480-41199-1 Analy Batch No.: 58308

SDG No.: _____

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

Calibration Start Date: 07/09/2013 21:09 Calibration End Date: 07/10/2013 02:39 Calibration ID: 22424

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	++++ 241757	2966 312501	7662 631449	83489	166933	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	++++ 73662	++++ 150722	++++ 303463	41632	80548	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Freon TF	BCM	Ave	++++ 1293477	17697 1653635	42173 3207699	452288	884136	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	++++ 537445	7432 687456	17763 1365494	185008	364395	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	++++ 446128	++++ 585850	++++ 1128355	163777	293648	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	++++ 1500355	++++ 1932946	49118 3874448	528041	1039331	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	++++ 338104	++++ 456586	++++ 822921	109074	210791	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	++++ 298822	4117 375109	9415 769618	102331	208985	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	++++ 183841	++++ 234551	++++ 445091	65065	119195	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	++++ 376316	++++ 477905	++++ 953097	134826	258795	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	++++ 697245	++++ 927468	++++ 1706660	222280	428861	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	++++ 1262670	15578 1638620	38262 3264088	427475	859623	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	++++ 622772	8516 791759	21474 1546284	223416	436729	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	++++ 221032	++++ 280774	6768 580959	76259	153787	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	++++ 491904	7041 629642	15490 1249224	172152	339515	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	2493 886260	11582 1137213	28555 2269048	309741	606783	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	++++ 768422	++++ 1008928	++++ 1960832	264542	539496	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	++++ 808040	11000 1051099	24353 2116129	259054	537776	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	++++ 268876	++++ 345873	8386 697854	86799	177606	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	++++ 46007	++++ 61545	++++ 121345	14343	30640	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	++++ 395714	++++ 509954	++++ 1008581	135789	275020	++++ 15.0	++++ 20.0	++++ 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.: 480-41199-1 Analy Batch No.: 58308

SDG No.: _____

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

Calibration Start Date: 07/09/2013 21:09 Calibration End Date: 07/10/2013 02:39 Calibration ID: 22424

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	++++ 1863075	22675 2411181	58117 4842789	626703	1251521	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	++++ 946711	10137 1217894	26678 2417287	312068	630987	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	++++ 2141518	25685 2807221	64138 5687905	697486	1425038	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	5992 2616036	29256 3493438	72474 7264581	822875	1714827	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	++++ 3005823	38059 3801936	93766 7107839	1047955	2082435	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	++++ 2521833	31375 3218341	76049 6205956	837171	1678678	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	++++ 1262643	15479 1647927	38418 3366666	416042	848449	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	++++ 1002639	17359 1248850	30747 2374704	353245	695625	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	++++ 424594	++++ 569211	++++ 1099390	99946	249334	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Trichloroethene	DFB	Ave	2829 1581666	16161 2178035	40741 4493034	462590	1005388	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	++++ 1218416	13235 1607950	33261 3210965	383242	803285	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	++++ 1091051	++++ 1476255	21523 3009049	307050	702910	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	++++ 488416	++++ 708052	++++ 1296248	134754	285934	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Dibromomethane	DFB	Ave	++++ 1561742	13801 2256891	33897 5309865	400126	924608	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	++++ 2802241	26833 3788377	65670 7978128	814702	1782798	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	++++ 1962304	17470 2672230	44246 5586494	564276	1240593	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
methyl isobutyl ketone	DFB	Ave	++++ 1771720	++++ 2278174	46119 4373921	581276	1227490	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	++++ 2452246	22647 3358733	58069 7091537	689612	1523237	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	++++ 1813425	23173 2275670	52192 4140529	638615	1260336	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	++++ 1997780	21169 2742504	44753 5812291	574114	1282594	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	++++ 1384995	13788 1866510	34479 3818971	408543	887907	++++ 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.: 480-41199-1 Analy Batch No.: 58308

SDG No.: _____

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

Calibration Start Date: 07/09/2013 21:09 Calibration End Date: 07/10/2013 02:39 Calibration ID: 22424

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	3982 2277137	19973 3300317	49778 7759482	585116	1361717	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 1619535	++++ 2158503	22149 4183160	476888	1107183	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	++++ 3182840	24993 4433842	61550 9900642	846947	1930561	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	++++ 2565666	21897 3584263	53945 7864581	689204	1574783	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	++++ 3340802	30703 4650190	75535 10214224	908511	2050460	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	++++ 5330571	47962 7252789	120148 15098425	1504412	3329021	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	++++ 2150735	24155 2729768	56395 4990738	699146	1438393	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	++++ 4255641	33920 5811303	90813 11760229	1162772	2625306	++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
Xylene, o-	CBZ	Ave	++++ 2093459	17588 2897447	44966 6211894	577432	1292757	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	++++ 3117722	20509 4366619	50580 9546385	816189	1902083	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	++++ 3265241	21161 4628875	52187 11057350	781940	1914438	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	++++ 5931648	52182 8104142	131092 16766317	1653173	3677442	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 3563244	34874 4695892	86942 9019580	1063754	2285761	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	++++ 7130610	61658 9436610	153229 17479774	2041425	4499256	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	++++ 2444381	++++ 3155180	63287 5777034	748598	1603859	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	++++ 2279998	++++ 2669526	71327 3893155	867343	1626202	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	++++ 5862401	48040 7558311	115051 12585522	1666159	3752372	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	++++ 4873256	45724 6115574	114507 10195915	1465374	3170931	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 5104345	43094 6892726	108944 14070874	1414104	3110901	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	++++ 2426694	12538 3492491	37320 7415269	620787	1464047	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	++++ 4807263	45375 6574339	105611 13734305	1340602	2943627	++++ 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.: 480-41199-1 Analy Batch No.: 58308

SDG No.: _____

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

Calibration Start Date: 07/09/2013 21:09 Calibration End Date: 07/10/2013 02:39 Calibration ID: 22424

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	+++++ 5023975	39427 6795751	103136 13771035	1383746	3053767	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	+++++ 7307912	66294 9823998	165507 18849496	2094550	4569554	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	+++++ 6126020	49949 8283436	119965 16099379	1658812	3718812	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	+++++ 3351586	21288 4773526	50427 10993398	787526	1899785	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	+++++ 3070349	17689 4389710	43144 10833855	701304	1712055	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	+++++ 3031047	18780 4662019	46777 11757283	822689	2182409	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	+++++ 5324193	42180 6881109	104740 12317519	1523132	3266750	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	+++++ 2754200	+++++ 3241721	+++++ 4840890	986794	1700332	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	+++++ 3205545	22750 4522570	52471 10775128	784653	1829104	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	+++++ 2434433	+++++ 3132916	+++++ 4724515	529318	627306	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1685642	+++++ 2172074	14654 6308533	301906	699250	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	+++++ 2953373	25946 3925457	53585 9709192	716713	1511903	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	+++++ 4211925	+++++ 4892601	33655 12397708	816788	1589667	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1818211	8572 2266388	13312 6048415	335678	723160	+++++ 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/G.i/Gsvr.p/gift15.b/gif07.d
Lab Smp Id: IC 525336
Inj Date : 09-JUL-2013 21:09
Operator : wrd
Smp Info : IC 525336
Misc Info : IC
Comment :
Method : /chem/G.i/Gsvr.p/gift15.b/to15v5.m
Meth Date : 12-Jul-2013 09:51 pd
Cal Date : 09-JUL-2013 21:09
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: G.i
Quant Type: ISTD
Cal File: gif07.d
Calibration Sample, Level: 8
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	0.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					AMOUNTS	
		RT	EXP RT	REL RT	RESPONSE	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	3.851	3.846	(0.357)	1123	0.04000	0.047(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	ON-COL
	MASS								(ppb v/v)	(ppb v/v)
=====	====		==	=====	=====			=====	=====	
15 Ethanol	45			Compound	Not	Detected.				
16 Ethyl ether	59			Compound	Not	Detected.				
17 1,1,2-Trichloro-1,2,2-trifluo	101			Compound	Not	Detected.				
18 Acrolein	56			Compound	Not	Detected.				
19 1,1-Dichloroethene	96			Compound	Not	Detected.				
20 Acetone	43			Compound	Not	Detected.				
21 Carbon disulfide	76			Compound	Not	Detected.				
22 Isopropanol	45			Compound	Not	Detected.				
23 Allyl chloride	41			Compound	Not	Detected.				
24 Acetonitrile	41			Compound	Not	Detected.				
25 Methylene chloride	49			Compound	Not	Detected.				
26 Tert-butyl alcohol	59			Compound	Not	Detected.				
27 Methyl tert-butyl ether	73			Compound	Not	Detected.				
28 1,2-Dichloroethene (trans)	61		8.217	8.222	(0.762)			1323	0.00000	0.036(aQH)
29 Acrylonitrile	53			Compound	Not	Detected.				
30 n-Hexane	57			Compound	Not	Detected.				
31 1,1-Dichloroethane	63		9.126	9.137	(0.847)			2493	0.04000	0.047(aM)
32 Vinyl acetate	43			Compound	Not	Detected.				
M 33 1,2-Dichloroethene,Total	61							3557	0.00000	0.084(a)
34 1,2-Dichloroethene (cis)	96		10.287	10.298	(0.954)			2234	0.00000	0.048(aM)
35 Ethyl acetate	88			Compound	Not	Detected.				
36 Methyl Ethyl Ketone	72			Compound	Not	Detected.				
* 37 Bromochloromethane	128		10.779	10.785	(1.000)			499391	10.0000	
38 Tetrahydrofuran	42			Compound	Not	Detected.				
39 Chloroform	83			Compound	Not	Detected.				
40 Cyclohexane	84			Compound	Not	Detected.				
41 1,1,1-Trichloroethane	97			Compound	Not	Detected.				
42 Carbon tetrachloride	117		11.469	11.464	(0.892)			5992	0.04000	0.044(a)
43 2,2,4-Trimethylpentane	57			Compound	Not	Detected.				
44 Benzene	78			Compound	Not	Detected.				
45 1,2-Dichloroethane	62			Compound	Not	Detected.				
46 n-Heptane	43			Compound	Not	Detected.				
* 47 1,4-Difluorobenzene	114		12.855	12.860	(1.000)			2222759	10.0000	
48 n-Butanol	56			Compound	Not	Detected.				
49 Trichloroethene	95		13.331	13.342	(1.037)			2829	0.04000	0.036(a)
50 1,2-Dichloropropane	63			Compound	Not	Detected.				
51 Methyl methacrylate	69			Compound	Not	Detected.				
52 Dibromomethane	174			Compound	Not	Detected.				
53 1,4-Dioxane	88			Compound	Not	Detected.				
54 Bromodichloromethane	83			Compound	Not	Detected.				
55 1,3-Dichloropropene (cis)	75			Compound	Not	Detected.				
56 Methyl isobutyl ketone	43			Compound	Not	Detected.				
57 n-Octane	43			Compound	Not	Detected.				
58 Toluene	92			Compound	Not	Detected.				
59 1,3-Dichloropropene (trans)	75			Compound	Not	Detected.				
60 1,1,2-Trichloroethane	83			Compound	Not	Detected.				
61 Tetrachloroethene	166		17.172	17.178	(0.903)			3982	0.04000	0.040(a)
62 2-Hexanone	43			Compound	Not	Detected.				

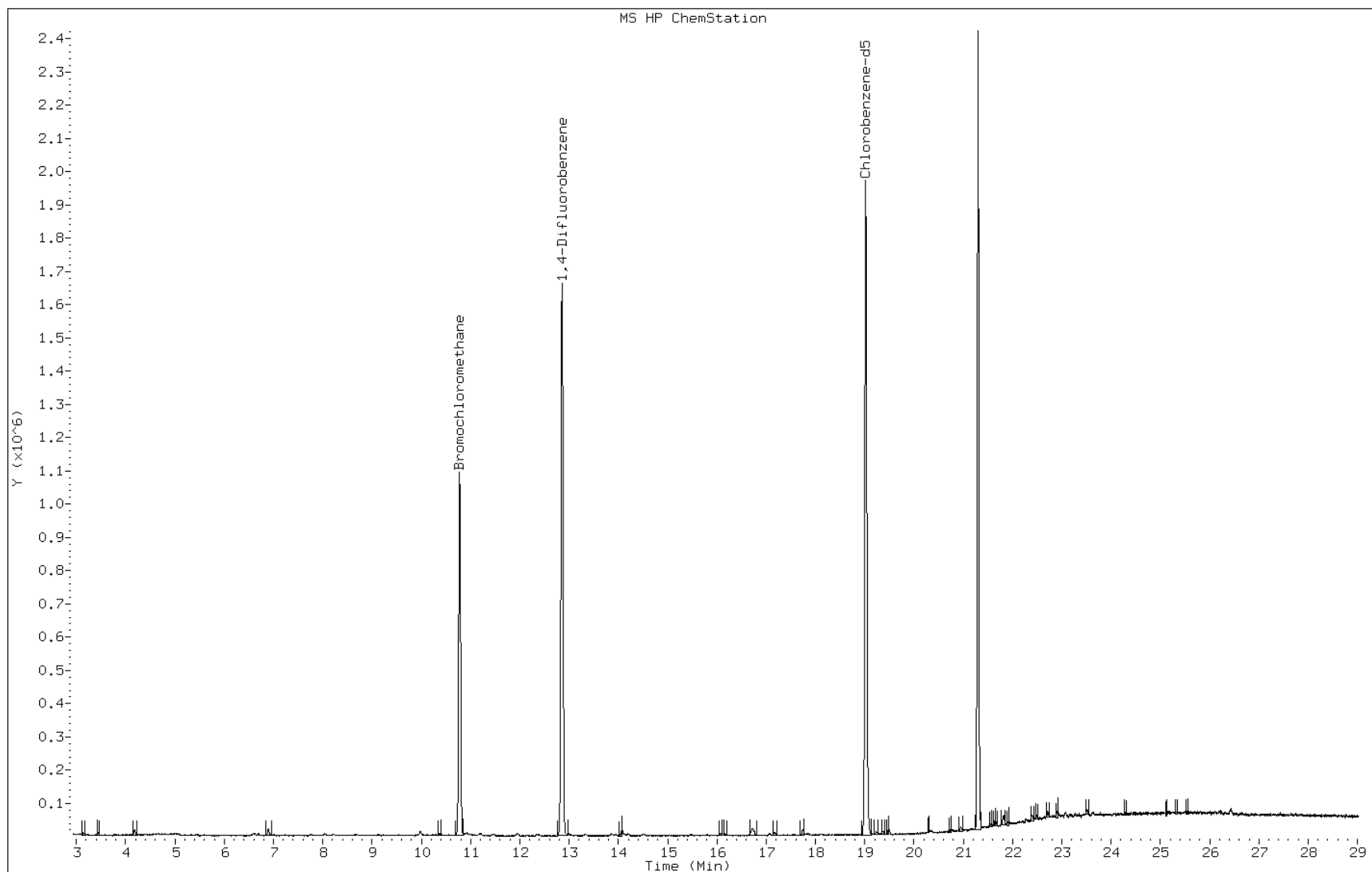
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	19.023	19.023	(1.000)	1850372	10.0000	
66 Chlorobenzene	112				Compound Not Detected.		
67 n-Nonane	57				Compound Not Detected.		
68 Ethylbenzene	91				Compound Not Detected.		
69 Xylene (m,p)	106				Compound Not Detected.		
M 70 Xylenes, Total	106				Compound Not Detected.		
71 Xylene (o)	106				Compound Not Detected.		
72 Styrene	104				Compound Not Detected.		
73 Bromoform	173				Compound Not Detected.		
74 Isopropylbenzene	105				Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
76 n-Propylbenzene	91				Compound Not Detected.		
77 1,2,3-Trichloropropane	75				Compound Not Detected.		
78 n-Decane	57				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.		
82 Alpha Methyl Styrene	118				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
90 Undecane	57				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
93 Dodecane	57				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		
97 1,2,3-Trichlorobenzene	180				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.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: gif07.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 525336
Lab Sample ID: IC 525336

Date: 09-JUL-2013 21:09
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



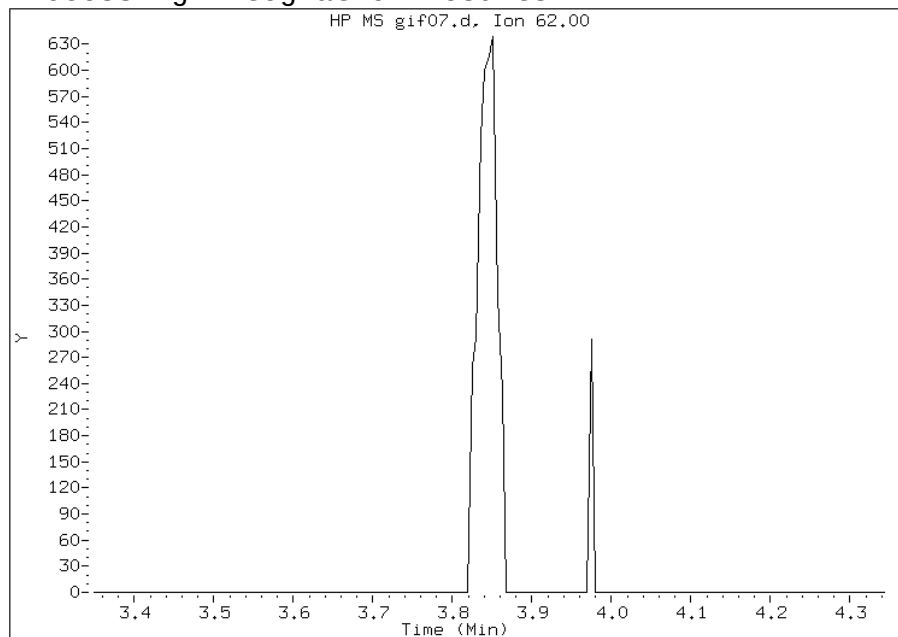
Manual Integration Report

Data File: gif07.d
Lab Sample ID: IC 525336
Inj. Date and Time: 09-JUL-2013 21:09
Instrument ID: G.i
Client ID:
Compound: 7 Vinyl chloride
CAS #: 75-01-4
Report Date: 07/12/2013

Not Detected

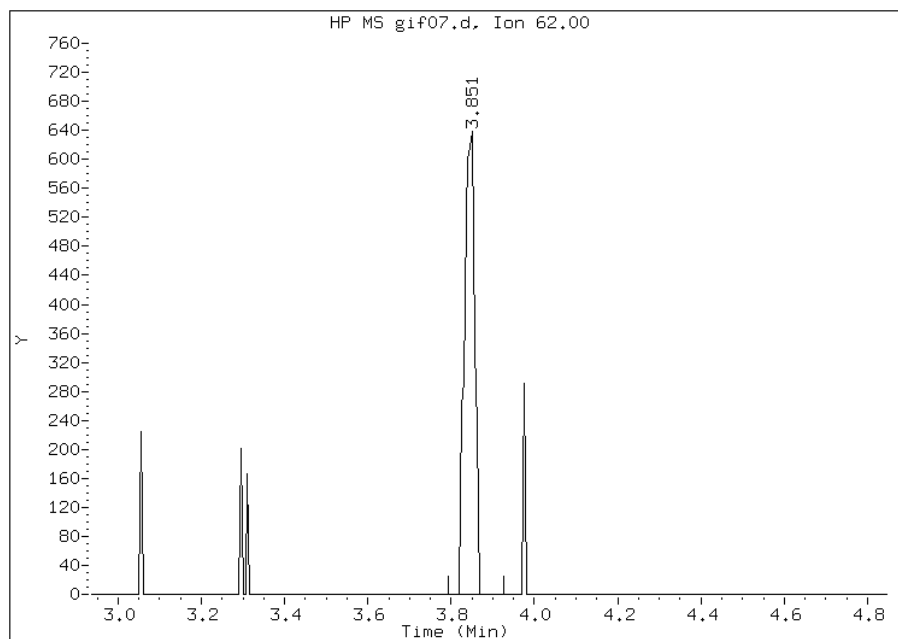
Expected RT: 3.85

Processing Integration Results



Manual Integration Results

RT: 3.85
Response: 1123
Amount: 0.046993
Conc: 0.046993



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

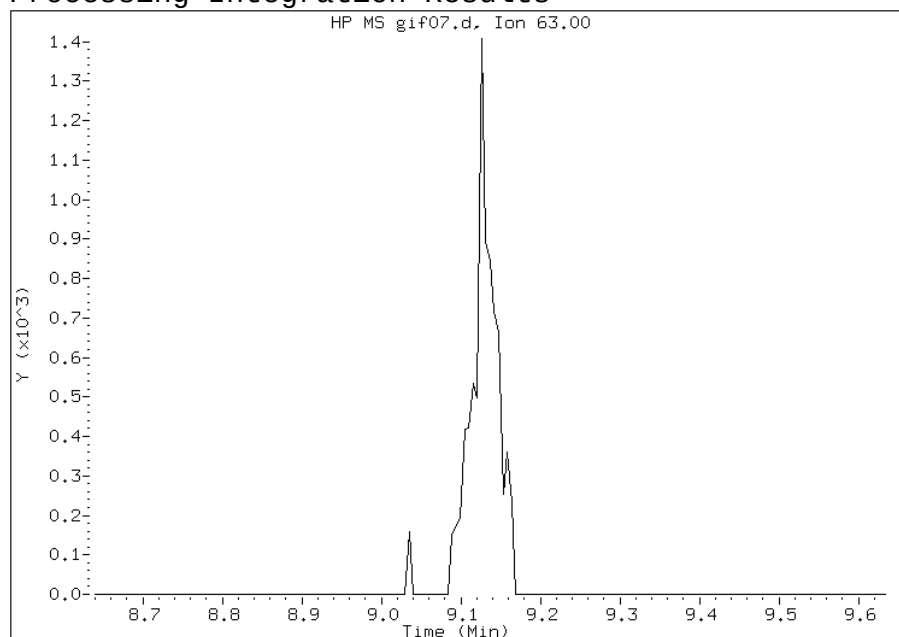
Manual Integration Report

Data File: gif07.d
Lab Sample ID: IC 525336
Inj. Date and Time: 09-JUL-2013 21:09
Instrument ID: G.i
Client ID:
Compound: 31 1,1-Dichloroethane
CAS #: 75-34-3
Report Date: 07/12/2013

Not Detected

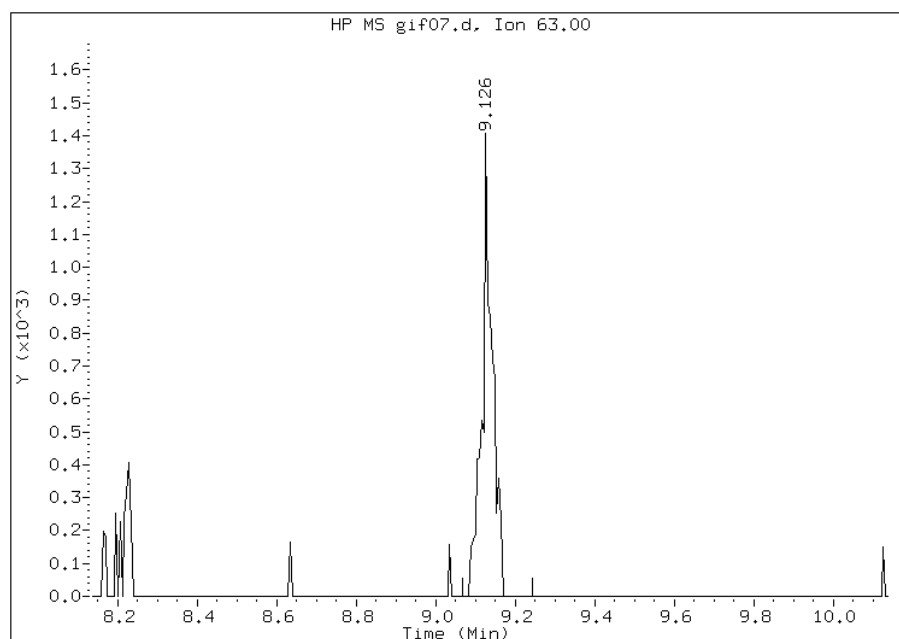
Expected RT: 9.14

Processing Integration Results



Manual Integration Results

RT: 9.13
Response: 2493
Amount: 0.047119
Conc: 0.047119



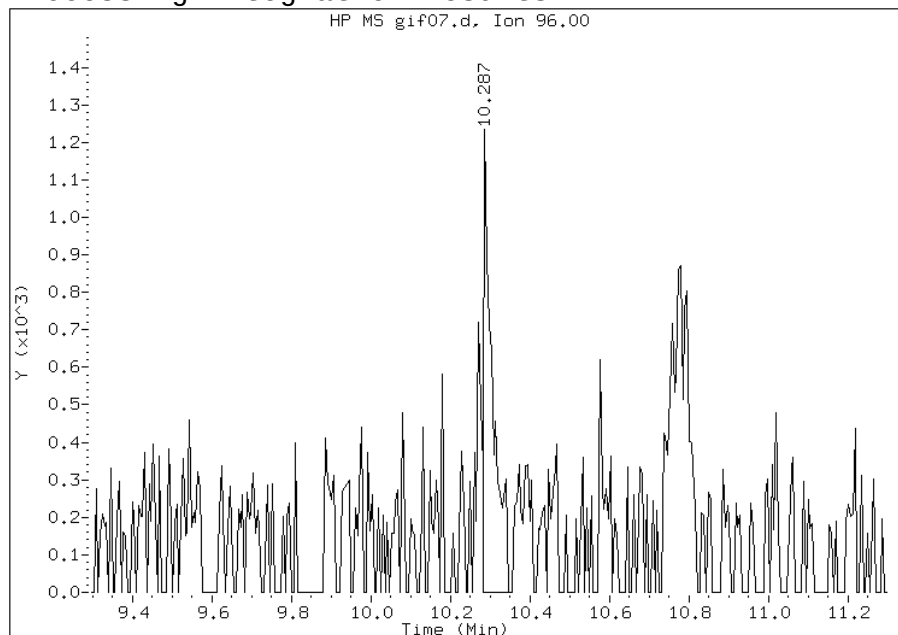
File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

Manual Integration Report

Data File: gif07.d
Lab Sample ID: IC 525336
Inj. Date and Time: 09-JUL-2013 21:09
Instrument ID: G.i
Client ID:
Compound: 34 1,2-Dichloroethene (cis)
CAS #: 156-59-2
Report Date: 07/12/2013

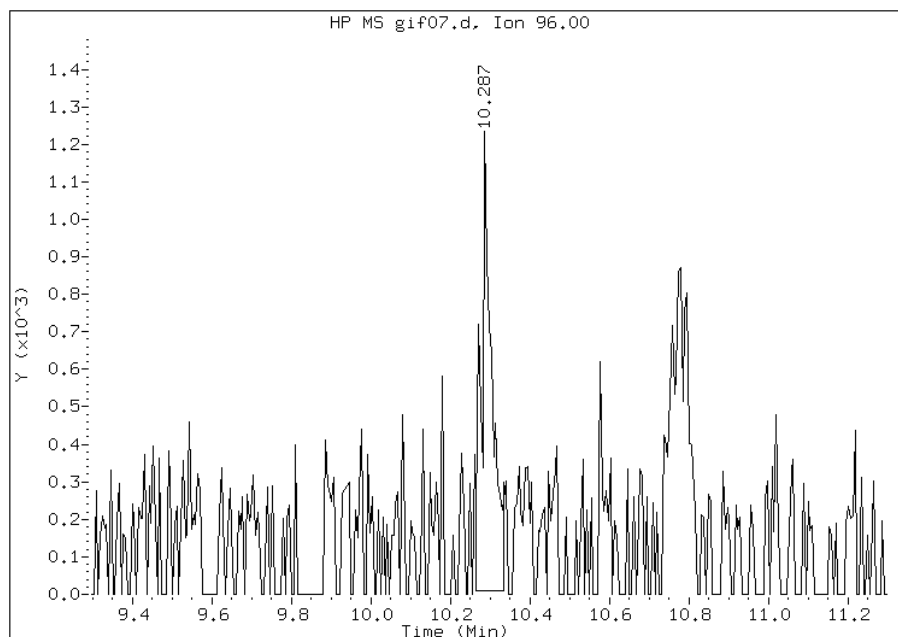
Processing Integration Results

RT: 10.29
Response: 1920
Amount: 0.041482
Conc: 0.041482



Manual Integration Results

RT: 10.29
Response: 2234
Amount: 0.048266
Conc: 0.048266



File Uploaded By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gift15.b/gif08.d
Lab Smp Id: IC 525336
Inj Date : 09-JUL-2013 21:56
Operator : wrd
Smp Info : IC 525336
Misc Info : IC
Comment :
Method : /chem/G.i/Gsvr.p/gift15.b/to15v5.m
Meth Date : 12-Jul-2013 09:51 pd
Cal Date : 09-JUL-2013 21:56
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gif08.d
Calibration Sample, Level: 1
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	0.00000	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		3.076	3.076	(0.285)	5298	0.20000	0.49(aQ)
2 Dichlorodifluoromethane	85		3.151	3.151	(0.292)	24684	0.20000	0.23(a)
3 Chlorodifluoromethane	51		3.204	3.204	(0.297)	9875	0.20000	0.26(aM)
4 1,2-Dichloro-1,1,2,2-tetraflu	85		3.434	3.434	(0.319)	23720	0.20000	0.23
5 Chloromethane	50		3.579	3.579	(0.332)	4943	0.20000	0.27(a)
6 Butane	43		Compound Not Detected.					
7 Vinyl chloride	62		3.846	3.846	(0.357)	5451	0.20000	0.22
8 1,3-Butadiene	54		3.932	3.932	(0.365)	3224	0.20000	0.23
9 Bromomethane	94		4.659	4.659	(0.432)	8403	0.20000	0.23
10 Chloroethane	64		4.922	4.916	(0.457)	2281	0.20000	0.25(aQ)
11 2-Methylbutane	43		4.991	5.002	(0.463)	4550	0.20000	0.29(QM)
12 Vinyl bromide	106		5.333	5.333	(0.495)	8938	0.20000	0.21
13 Trichlorofluoromethane	101		5.446	5.446	(0.505)	28433	0.20000	0.23
14 Pentane	43		5.606	5.596	(0.520)	7461	0.20000	0.28(aM)

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	6.072	6.077	(0.563)	8342	0.20000	1.3(a)
16 Ethyl ether	59	6.168	6.157	(0.572)	2966	0.20000	0.21
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.601	6.591	(0.612)	17697	0.20000	0.23
18 Acrolein	56	Compound Not Detected.					
19 1,1-Dichloroethene	96	6.623	6.628	(0.614)	7432	0.20000	0.23
20 Acetone	43	6.890	6.885	(0.639)	160414	0.20000	6.1
21 Carbon disulfide	76	7.013	7.013	(0.651)	20633	0.20000	0.23(a)
22 Isopropanol	45	7.222	7.211	(0.670)	10177	0.20000	0.53(a)
23 Allyl chloride	41	7.452	7.463	(0.691)	4117	0.20000	0.23(a)
24 Acetonitrile	41	Compound Not Detected.					
25 Methylene chloride	49	7.762	7.768	(0.720)	6966	0.20000	0.30(a)
26 Tert-butyl alcohol	59	8.030	8.019	(0.745)	40780	0.20000	1.0(a)
27 Methyl tert-butyl ether	73	8.201	8.196	(0.761)	15578	0.20000	0.21
28 1,2-Dichloroethene (trans)	61	8.222	8.222	(0.763)	8516	0.20000	0.22
29 Acrylonitrile	53	8.394	8.393	(0.779)	2320	0.20000	0.18(aQ)
30 n-Hexane	57	8.640	8.629	(0.801)	7041	0.20000	0.24(TQ)
31 1,1-Dichloroethane	63	9.132	9.137	(0.847)	11582	0.20000	0.21
32 Vinyl acetate	43	9.228	9.233	(0.856)	9003	0.20000	0.20(a)
M 33 1,2-Dichloroethene,Total	61				19516	0.40000	0.45
34 1,2-Dichloroethene (cis)	96	10.298	10.298	(0.955)	11000	0.20000	0.23
35 Ethyl acetate	88	Compound Not Detected.					
36 Methyl Ethyl Ketone	72	10.368	10.367	(0.962)	19405	0.20000	1.2(Q)
* 37 Bromochloromethane	128	10.779	10.785	(1.000)	516136	10.0000	
38 Tetrahydrofuran	42	10.790	10.785	(0.839)	5800	0.20000	0.27(a)
39 Chloroform	83	10.924	10.929	(1.013)	22675	0.20000	0.21
40 Cyclohexane	84	11.165	11.175	(0.868)	10137	0.20000	0.20(M)
41 1,1,1-Trichloroethane	97	11.207	11.213	(0.872)	25685	0.20000	0.22
42 Carbon tetrachloride	117	11.475	11.464	(0.893)	29256	0.20000	0.21
43 2,2,4-Trimethylpentane	57	11.940	11.940	(0.929)	38059	0.20000	0.23
44 Benzene	78	11.962	11.962	(0.930)	31375	0.20000	0.23
45 1,2-Dichloroethane	62	12.149	12.160	(0.945)	15479	0.20000	0.22
46 n-Heptane	43	12.347	12.352	(0.960)	17359	0.20000	0.30(Q)
* 47 1,4-Difluorobenzene	114	12.855	12.860	(1.000)	2316591	10.0000	
48 n-Butanol	56	13.288	13.278	(1.034)	8764	0.20000	0.43(a)
49 Trichloroethene	95	13.331	13.342	(1.037)	16161	0.20000	0.20
50 1,2-Dichloropropane	63	13.941	13.936	(1.084)	13235	0.20000	0.21
51 Methyl methacrylate	69	14.128	14.128	(1.099)	10203	0.20000	0.19(aQ)
52 Dibromomethane	174	14.198	14.198	(1.104)	13801	0.20000	0.18(a)
53 1,4-Dioxane	88	14.193	14.171	(1.104)	5434	0.20000	0.22(a)
54 Bromodichloromethane	83	14.508	14.508	(1.129)	26833	0.20000	0.19(a)
55 1,3-Dichloropropene (cis)	75	15.477	15.476	(1.204)	17470	0.20000	0.18(a)
56 Methyl isobutyl ketone	43	15.781	15.781	(1.228)	22380	0.20000	0.24(a)
57 n-Octane	43	16.151	16.151	(1.256)	23173	0.20000	0.23(a)
58 Toluene	92	16.081	16.086	(0.846)	22647	0.20000	0.20
59 1,3-Dichloropropene (trans)	75	16.691	16.696	(1.298)	21169	0.20000	0.21
60 1,1,2-Trichloroethane	83	17.071	17.071	(0.898)	13788	0.20000	0.21
61 Tetrachloroethene	166	17.178	17.178	(0.903)	19973	0.20000	0.19(a)

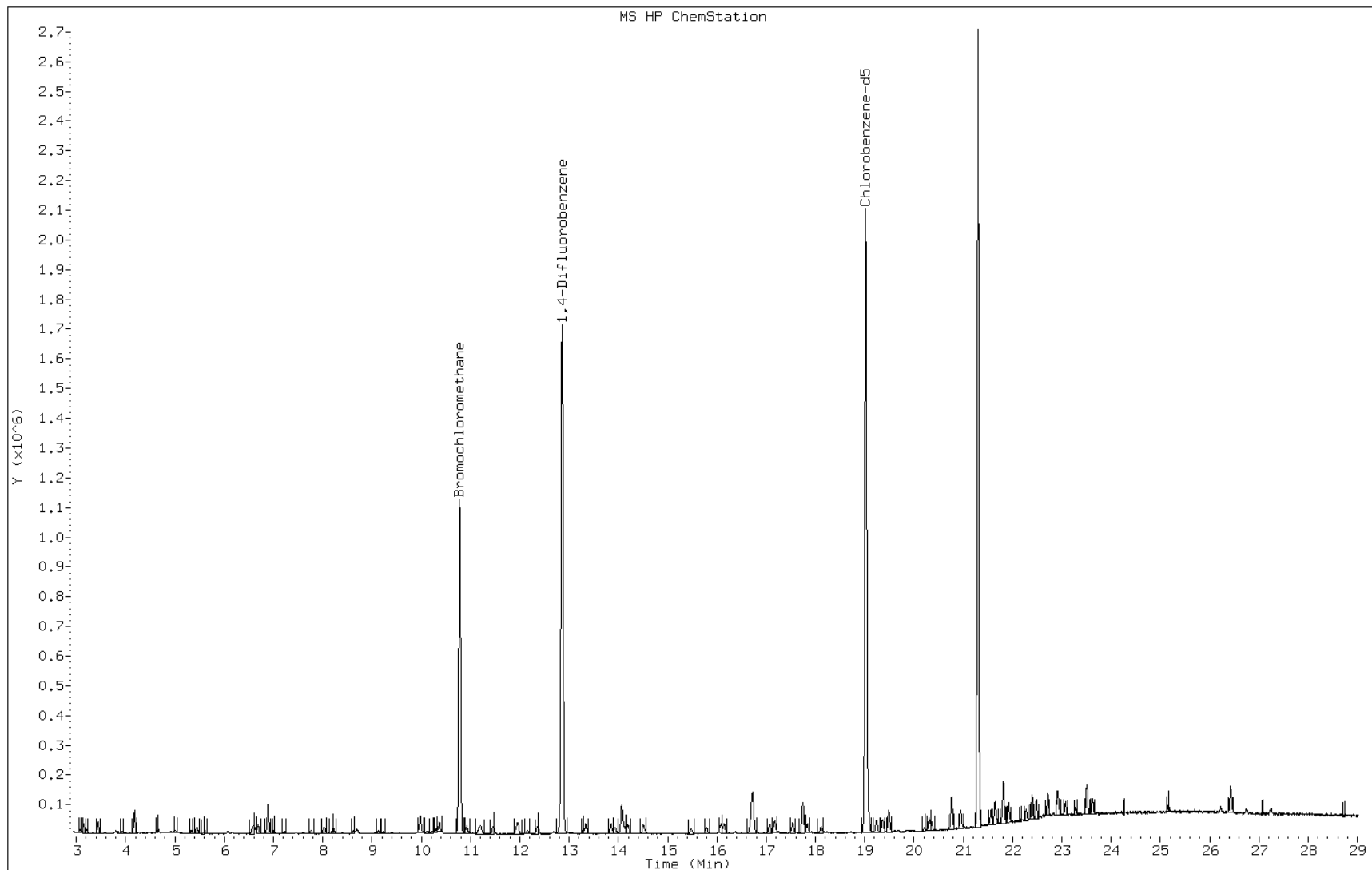
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	17.536	17.531	(0.922)	38136	0.20000	0.54
63 Dibromochloromethane	129	17.836	17.841	(0.938)	24993	0.20000	0.18(a)
64 1,2-Dibromoethane	107	18.114	18.119	(0.952)	21897	0.20000	0.19(a)
* 65 Chlorobenzene-d5	117	19.018	19.023	(1.000)	1975769	10.0000	
66 Chlorobenzene	112	19.077	19.082	(1.003)	30703	0.20000	0.20
67 n-Nonane	57	19.366	19.366	(1.018)	24155	0.20000	0.23
68 Ethylbenzene	91	19.237	19.237	(1.012)	47962	0.20000	0.19(a)
69 Xylene (m,p)	106	19.494	19.494	(1.025)	33920	0.40000	0.36(a)
M 70 Xylenes, Total	106				51508	0.20000	0.54
71 Xylene (o)	106	20.307	20.307	(1.068)	17588	0.20000	0.18(a)
72 Styrene	104	20.350	20.355	(1.070)	20509	0.20000	0.15(a)
73 Bromoform	173	20.751	20.751	(1.091)	21161	0.20000	0.15(a)
74 Isopropylbenzene	105	20.949	20.955	(1.102)	52182	0.20000	0.19(a)
75 1,1,2,2-Tetrachloroethane	83	21.564	21.564	(1.134)	34874	0.20000	0.21
76 n-Propylbenzene	91	21.639	21.639	(1.138)	61658	0.20000	0.19(a)
77 1,2,3-Trichloropropane	75	21.655	21.661	(1.139)	26769	0.20000	0.23(a)
78 n-Decane	57	21.805	21.805	(1.147)	29731	0.20000	0.26(aM)
79 4-Ethyltoluene	105	21.821	21.821	(1.147)	48040	0.20000	0.19(a)
80 2-Chlorotoluene	91	21.827	21.827	(1.148)	45724	0.20000	0.21
81 1,3,5-Trimethylbenzene	105	21.918	21.923	(1.152)	43094	0.20000	0.19(a)
82 Alpha Methyl Styrene	118	22.276	22.276	(1.171)	12538	0.20000	0.12(a)
83 tert-butylbenzene	119	22.394	22.399	(1.177)	45375	0.20000	0.20
84 1,2,4-Trimethylbenzene	105	22.490	22.490	(1.183)	39427	0.20000	0.18(a)
85 sec-Butylbenzene	105	22.715	22.715	(1.194)	66294	0.20000	0.20
86 4-Isopropyltoluene	119	22.913	22.913	(1.205)	49949	0.20000	0.19(a)
87 1,3-Dichlorobenzene	146	22.939	22.939	(1.206)	21288	0.20000	0.15(a)
88 1,4-Dichlorobenzene	146	23.078	23.073	(1.214)	17689	0.20000	0.14(a)
89 Benzyl chloride	91	23.282	23.282	(1.224)	18780	0.20000	0.13(a)
90 Undecane	57	23.517	23.517	(1.237)	34147	0.20000	0.27(a)
91 n-Butylbenzene	91	23.496	23.496	(1.235)	42180	0.20000	0.18(a)
92 1,2-Dichlorobenzene	146	23.624	23.624	(1.242)	22750	0.20000	0.16(a)
93 Dodecane	57	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	26.229	26.235	(1.379)	8626	0.20000	0.13(a)
95 1,3-Hexachlorobutadiene	225	26.427	26.433	(1.390)	25946	0.20000	0.20
96 Naphthalene	128	26.748	26.748	(1.406)	22090	0.20000	0.15(a)
97 1,2,3-Trichlorobenzene	180	27.241	27.246	(1.432)	8572	0.20000	0.14(a)

QC Flag Legend

- T - Target compound detected outside RT window.
- 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: gif08.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 525336
Lab Sample ID: IC 525336

Date: 09-JUL-2013 21:56
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



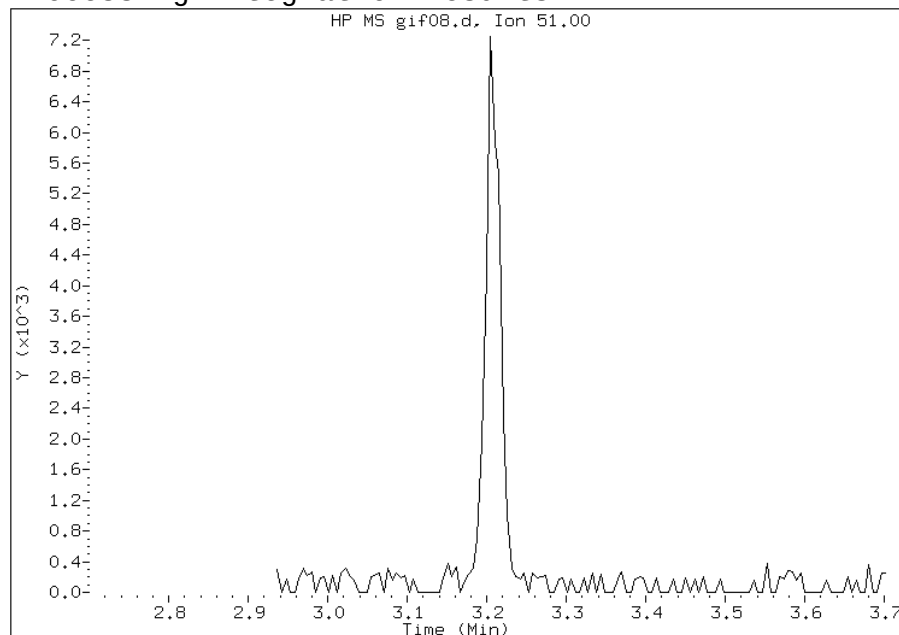
Manual Integration Report

Data File: gif08.d
Lab Sample ID: IC 525336
Inj. Date and Time: 09-JUL-2013 21:56
Instrument ID: G.i
Client ID:
Compound: 3 Chlorodifluoromethane
CAS #: 75-45-6
Report Date: 07/12/2013

Not Detected

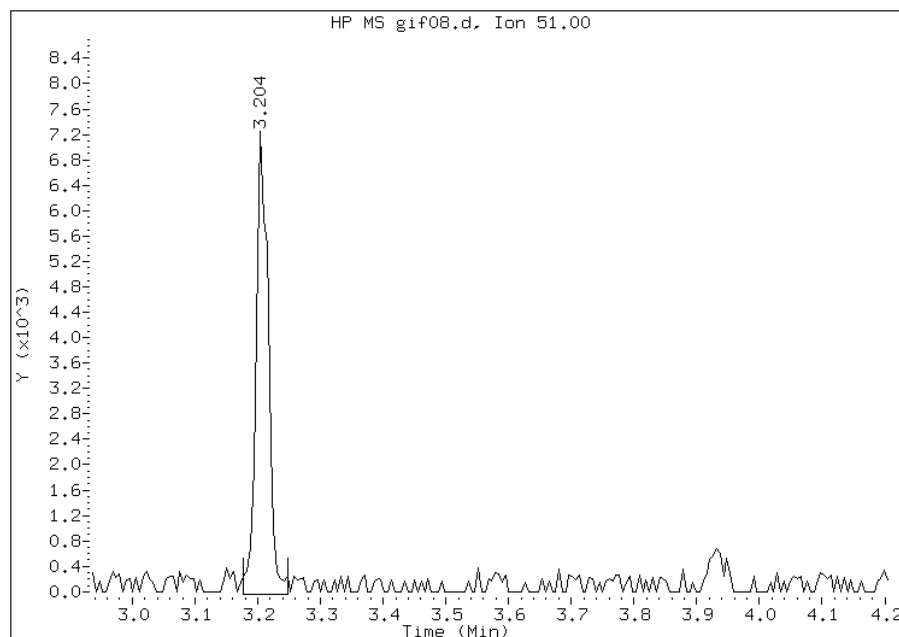
Expected RT: 3.20

Processing Integration Results



Manual Integration Results

RT: 3.20
Response: 9875
Amount: 0.256166
Conc: 0.256166



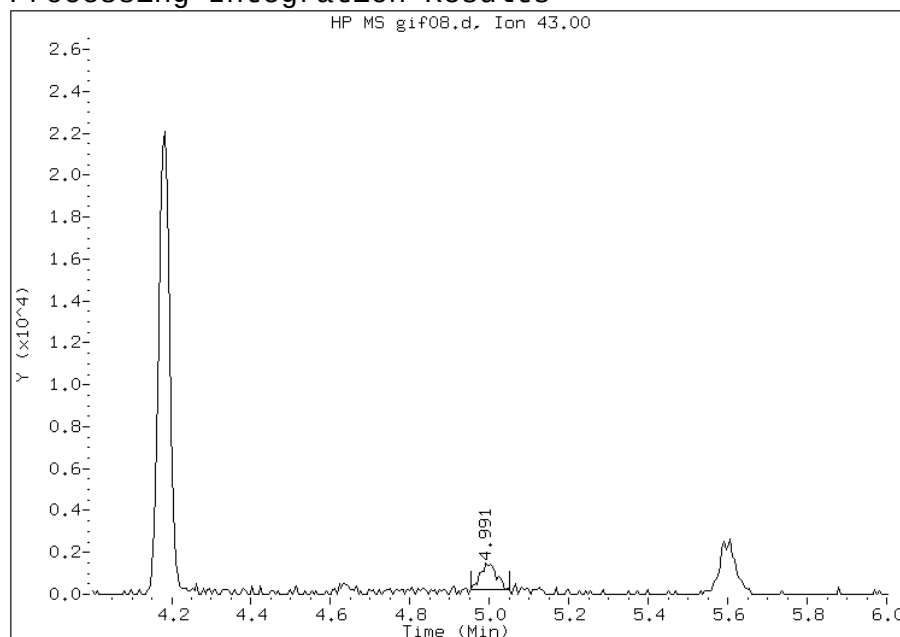
File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

Manual Integration Report

Data File: gif08.d
Lab Sample ID: IC 525336
Inj. Date and Time: 09-JUL-2013 21:56
Instrument ID: G.i
Client ID:
Compound: 11 2-Methylbutane
CAS #: 78-78-4
Report Date: 07/12/2013

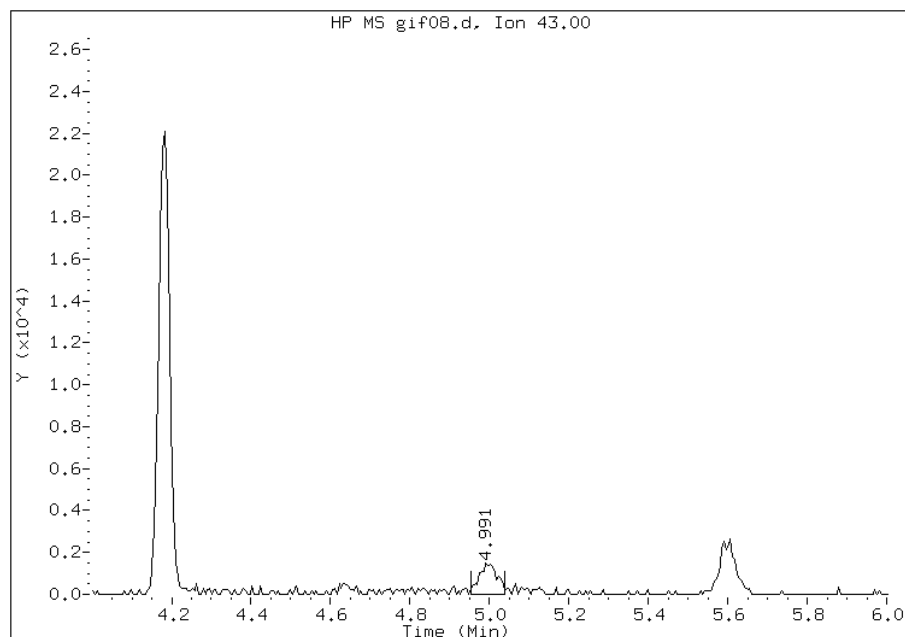
Processing Integration Results

RT: 4.99
Response: 3540
Amount: 0.239160
Conc: 0.239160



Manual Integration Results

RT: 4.99
Response: 4550
Amount: 0.293109
Conc: 0.293109



File Uploaded By: pd
Manual Integration Reason: Baseline event

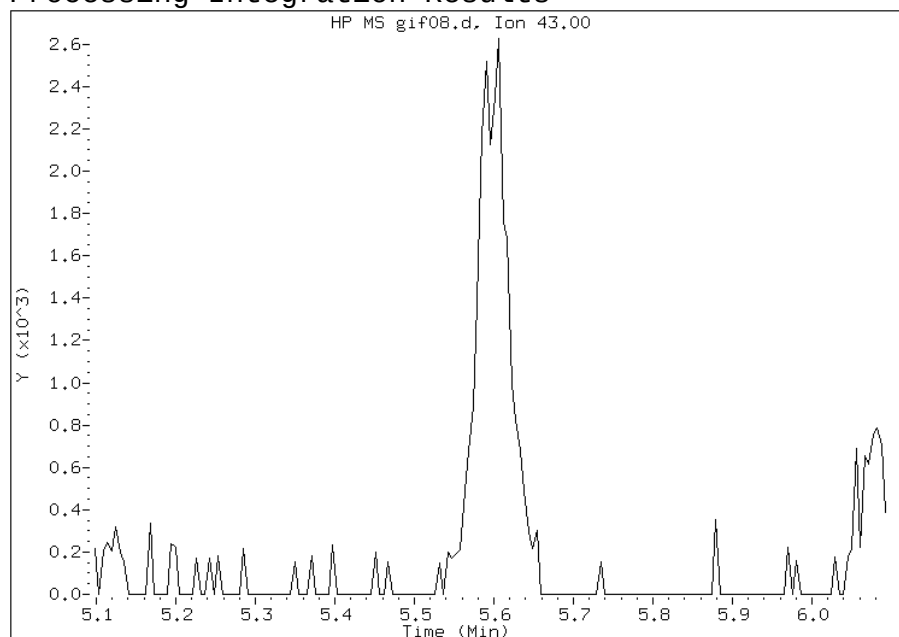
Manual Integration Report

Data File: gif08.d
Lab Sample ID: IC 525336
Inj. Date and Time: 09-JUL-2013 21:56
Instrument ID: G.i
Client ID:
Compound: 14 Pentane
CAS #: 109-66-0
Report Date: 07/12/2013

Processing Integration Results

Not Detected

Expected RT: 5.60



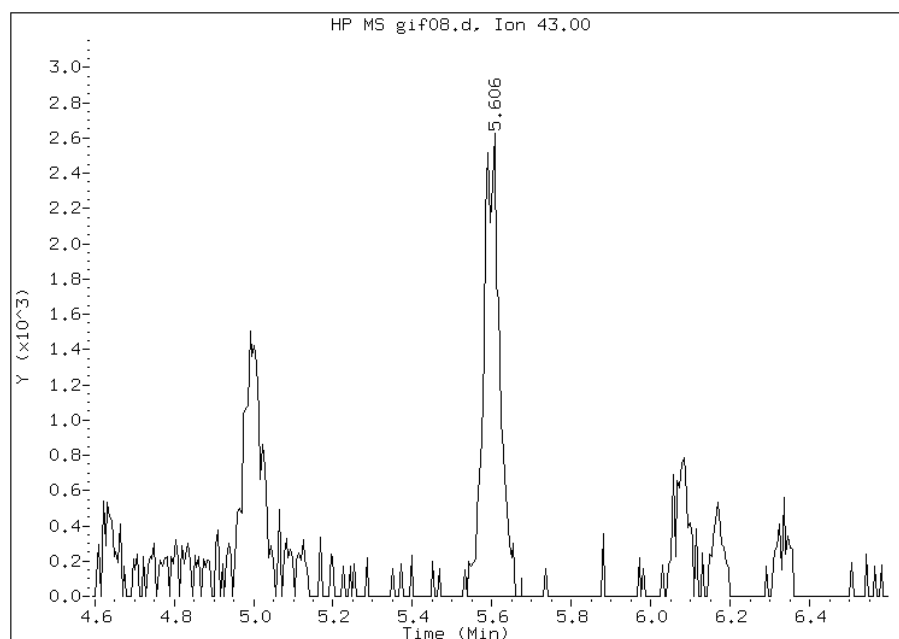
Manual Integration Results

RT: 5.61

Response: 7461

Amount: 0.280275

Conc: 0.280275



File Uploaded By: pd

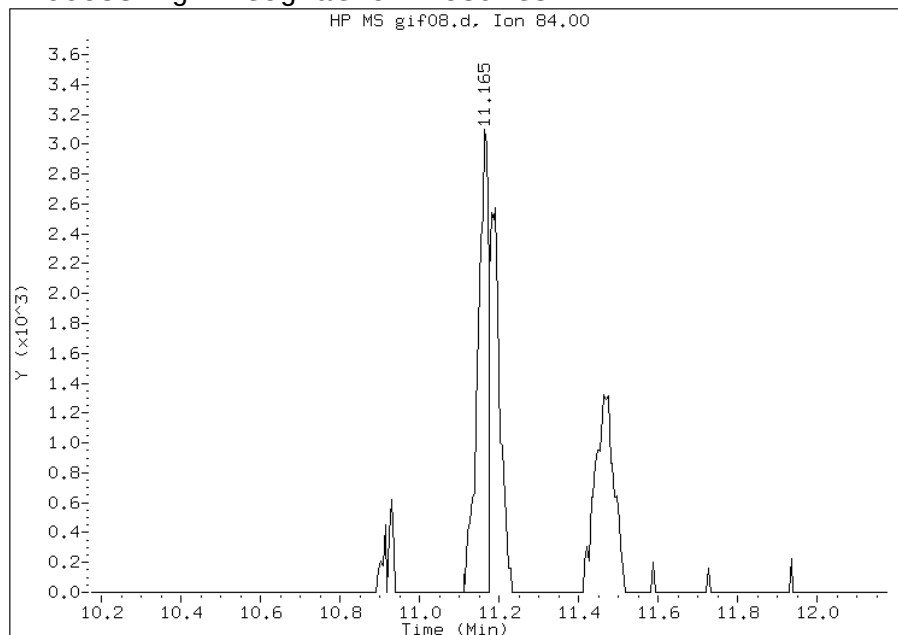
Manual Integration Reason: Peak not found by the data system

Manual Integration Report

Data File: gif08.d
Lab Sample ID: IC 525336
Inj. Date and Time: 09-JUL-2013 21:56
Instrument ID: G.i
Client ID:
Compound: 40 Cyclohexane
CAS #: 110-82-7
Report Date: 07/12/2013

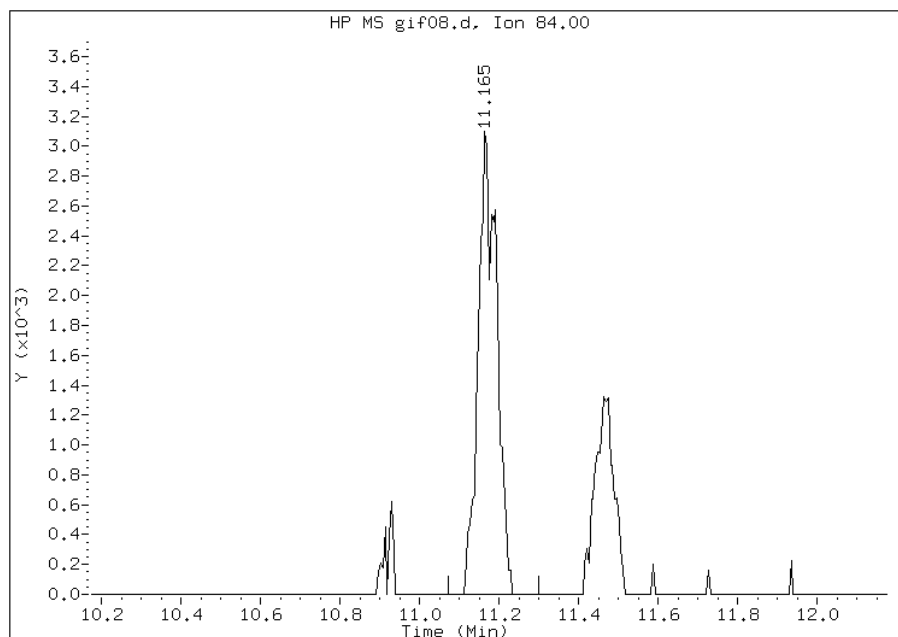
Processing Integration Results

RT: 11.16
Response: 5921
Amount: 0.125792
Conc: 0.125792



Manual Integration Results

RT: 11.16
Response: 10137
Amount: 0.202411
Conc: 0.202411



File Uploaded By: pd
Manual Integration Reason: Baseline event

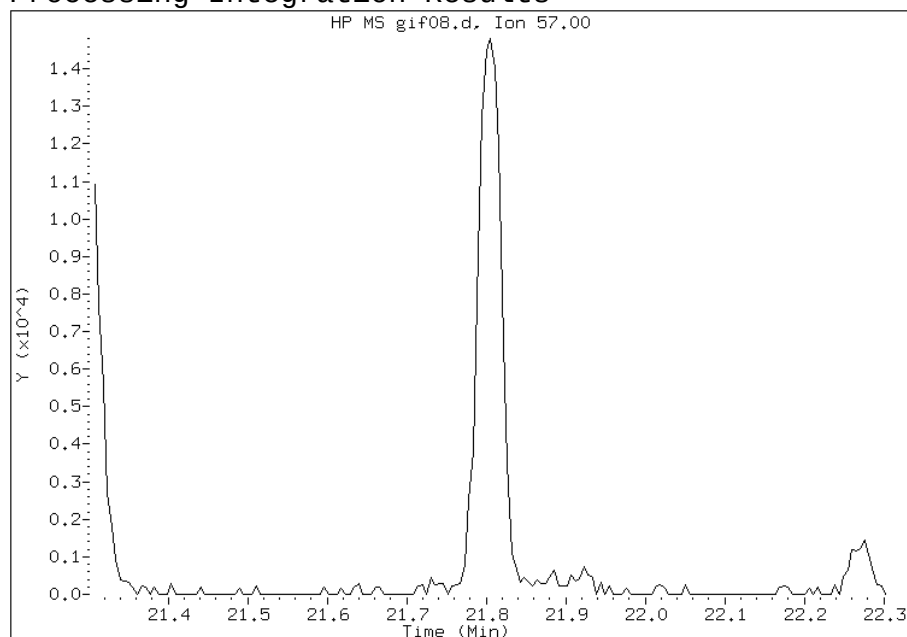
Manual Integration Report

Data File: gif08.d
Lab Sample ID: IC 525336
Inj. Date and Time: 09-JUL-2013 21:56
Instrument ID: G.i
Client ID:
Compound: 78 n-Decane
CAS #: 124-18-5
Report Date: 07/12/2013

Processing Integration Results

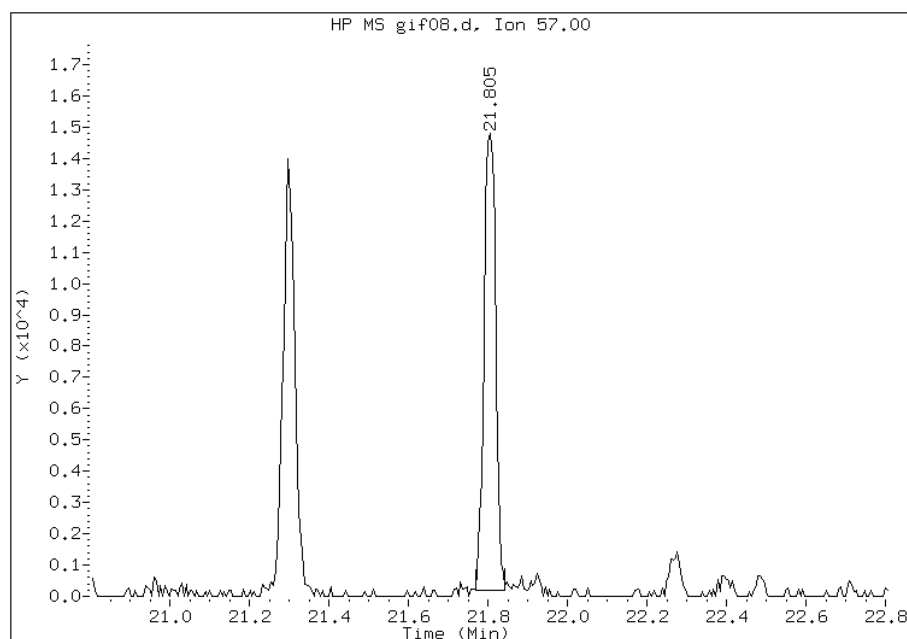
Not Detected

Expected RT: 21.81



Manual Integration Results

RT: 21.81
Response: 29731
Amount: 0.264671
Conc: 0.264671



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gift15.b/gif09.d
Lab Smp Id: IC 519008
Inj Date : 09-JUL-2013 22:43
Operator : wrd
Smp Info : IC 519008
Misc Info : IC
Comment :
Method : /chem/G.i/Gsvr.p/gift15.b/to15v5.m
Meth Date : 12-Jul-2013 09:51 pd
Cal Date : 09-JUL-2013 22:43
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gif09.d
Calibration Sample, Level: 2
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	0.00000	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		3.076	3.076	(0.285)	6638	0.50000	0.58(a)
2 Dichlorodifluoromethane	85		3.151	3.151	(0.292)	61843	0.50000	0.55
3 Chlorodifluoromethane	51		3.210	3.204	(0.298)	23593	0.50000	0.58
4 1,2-Dichloro-1,1,2,2-tetraflu	85		3.434	3.434	(0.319)	60394	0.50000	0.56
5 Chloromethane	50		3.579	3.579	(0.332)	11074	0.50000	0.58
6 Butane	43		3.798	3.798	(0.352)	13228	0.50000	0.58
7 Vinyl chloride	62		3.846	3.846	(0.357)	13246	0.50000	0.51
8 1,3-Butadiene	54		3.932	3.932	(0.365)	8373	0.50000	0.56
9 Bromomethane	94		4.659	4.659	(0.432)	19974	0.50000	0.53
10 Chloroethane	64		4.921	4.916	(0.457)	5346	0.50000	0.56
11 2-Methylbutane	43		5.002	5.002	(0.464)	9332	0.50000	0.57
12 Vinyl bromide	106		5.333	5.333	(0.495)	22517	0.50000	0.51
13 Trichlorofluoromethane	101		5.440	5.446	(0.505)	66417	0.50000	0.51
14 Pentane	43		5.596	5.596	(0.519)	16046	0.50000	0.58

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	6.072	6.077	(0.563)	36780	5.00000	5.4
16 Ethyl ether	59	6.173	6.157	(0.573)	7662	0.50000	0.51
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.601	6.591	(0.612)	42173	0.50000	0.52
18 Acrolein	56	Compound Not Detected.					
19 1,1-Dichloroethene	96	6.633	6.628	(0.615)	17763	0.50000	0.52
20 Acetone	43	6.895	6.885	(0.640)	24022	0.50000	0.87(a)
21 Carbon disulfide	76	7.019	7.013	(0.651)	49118	0.50000	0.52
22 Isopropanol	45	7.232	7.211	(0.671)	11248	0.50000	0.56(a)
23 Allyl chloride	41	7.457	7.463	(0.692)	9415	0.50000	0.50
24 Acetonitrile	41	7.612	7.607	(0.706)	6153	0.50000	0.55(a)
25 Methylene chloride	49	7.762	7.768	(0.720)	14341	0.50000	0.59
26 Tert-butyl alcohol	59	8.035	8.019	(0.745)	20013	0.50000	0.49(a)
27 Methyl tert-butyl ether	73	8.201	8.196	(0.761)	38262	0.50000	0.49
28 1,2-Dichloroethene (trans)	61	8.222	8.222	(0.763)	21474	0.50000	0.54
29 Acrylonitrile	53	8.399	8.393	(0.779)	6768	0.50000	0.50
30 n-Hexane	57	8.629	8.629	(0.800)	15490	0.50000	0.49
31 1,1-Dichloroethane	63	9.137	9.137	(0.848)	28555	0.50000	0.50
32 Vinyl acetate	43	9.233	9.233	(0.857)	21571	0.50000	0.45(a)
M 33 1,2-Dichloroethene,Total	61				45827	1.00000	1.0
34 1,2-Dichloroethene (cis)	96	10.293	10.298	(0.955)	24353	0.50000	0.49
35 Ethyl acetate	88	10.421	10.410	(0.967)	1522	0.50000	0.55(aQ)
36 Methyl Ethyl Ketone	72	10.362	10.367	(0.961)	8386	0.50000	0.51(Q)
* 37 Bromochloromethane	128	10.779	10.785	(1.000)	540441	10.0000	
38 Tetrahydrofuran	42	10.785	10.785	(0.839)	13491	0.50000	0.60(a)
39 Chloroform	83	10.918	10.929	(1.013)	58117	0.50000	0.51
40 Cyclohexane	84	11.170	11.175	(0.869)	26678	0.50000	0.50
41 1,1,1-Trichloroethane	97	11.207	11.213	(0.872)	64138	0.50000	0.52
42 Carbon tetrachloride	117	11.464	11.464	(0.892)	72474	0.50000	0.48
43 2,2,4-Trimethylpentane	57	11.946	11.940	(0.929)	93766	0.50000	0.53
44 Benzene	78	11.962	11.962	(0.930)	76049	0.50000	0.52
45 1,2-Dichloroethane	62	12.149	12.160	(0.945)	38418	0.50000	0.52
46 n-Heptane	43	12.347	12.352	(0.960)	30747	0.50000	0.50
* 47 1,4-Difluorobenzene	114	12.855	12.860	(1.000)	2447113	10.0000	
48 n-Butanol	56	13.299	13.278	(1.035)	9502	0.50000	0.44(a)
49 Trichloroethene	95	13.337	13.342	(1.037)	40741	0.50000	0.48
50 1,2-Dichloropropane	63	13.936	13.936	(1.084)	33261	0.50000	0.49
51 Methyl methacrylate	69	14.118	14.128	(1.098)	21523	0.50000	0.38(aQ)
52 Dibromomethane	174	14.192	14.198	(1.104)	33897	0.50000	0.41
53 1,4-Dioxane	88	14.192	14.171	(1.104)	11796	0.50000	0.45(a)
54 Bromodichloromethane	83	14.508	14.508	(1.129)	65670	0.50000	0.44
55 1,3-Dichloropropene (cis)	75	15.476	15.476	(1.204)	44246	0.50000	0.43
56 Methyl isobutyl ketone	43	15.787	15.781	(1.228)	46119	0.50000	0.47(a)
57 n-Octane	43	16.140	16.151	(1.256)	52192	0.50000	0.50
58 Toluene	92	16.086	16.086	(0.846)	58069	0.50000	0.48
59 1,3-Dichloropropene (trans)	75	16.691	16.696	(1.298)	44753	0.50000	0.41
60 1,1,2-Trichloroethane	83	17.060	17.071	(0.897)	34479	0.50000	0.49
61 Tetrachloroethene	166	17.172	17.178	(0.903)	49778	0.50000	0.44

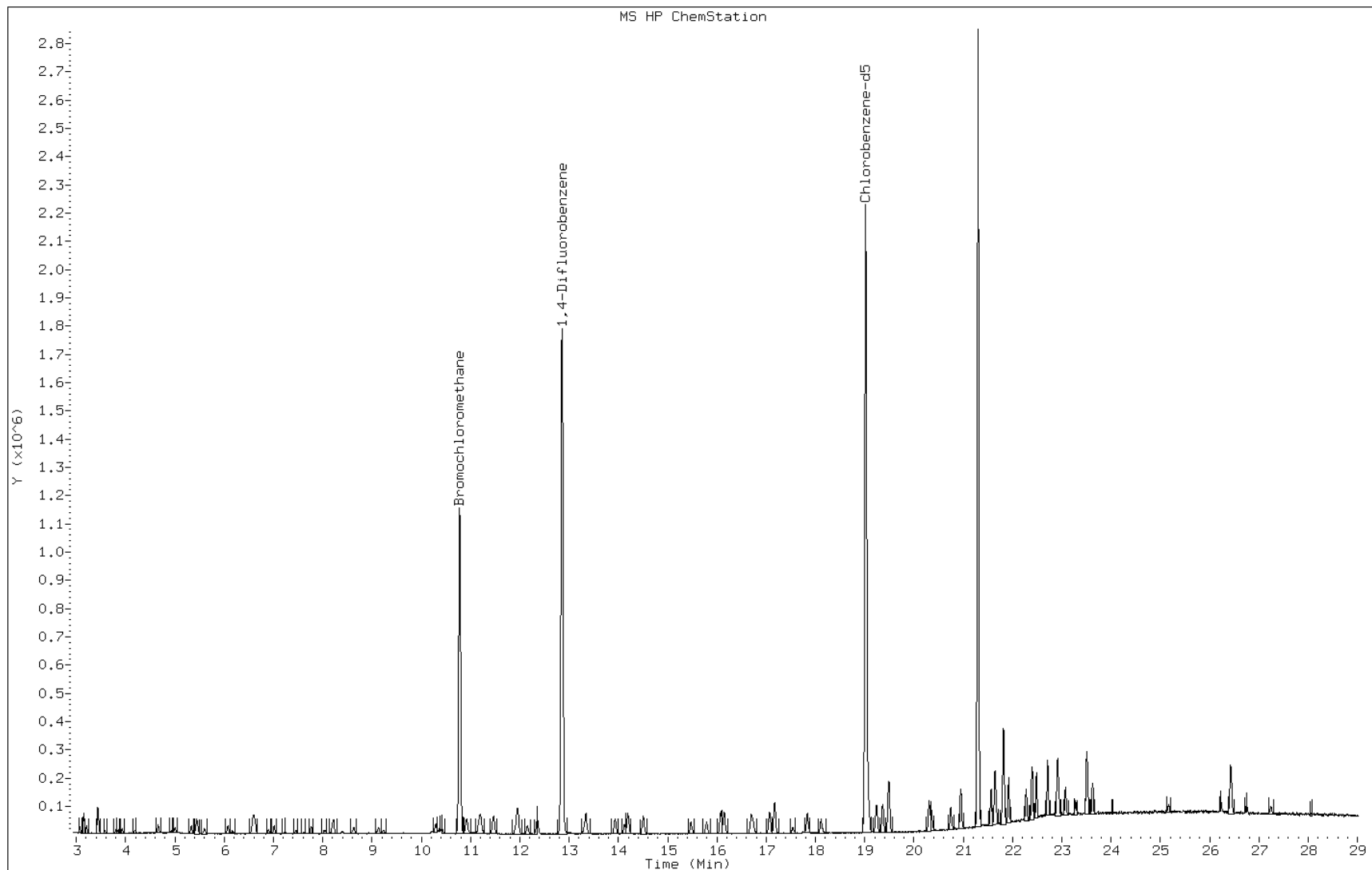
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	17.541	17.531	(0.922)	22149	0.50000	0.30(a)
63 Dibromochloromethane	129	17.836	17.841	(0.938)	61550	0.50000	0.41
64 1,2-Dibromoethane	107	18.114	18.119	(0.952)	53945	0.50000	0.44
* 65 Chlorobenzene-d5	117	19.018	19.023	(1.000)	2078701	10.0000	
66 Chlorobenzene	112	19.087	19.082	(1.004)	75535	0.50000	0.46
67 n-Nonane	57	19.366	19.366	(1.018)	56395	0.50000	0.51
68 Ethylbenzene	91	19.237	19.237	(1.012)	120148	0.50000	0.46
69 Xylene (m,p)	106	19.494	19.494	(1.025)	90813	1.00000	0.91
M 70 Xylenes, Total	106				135779	0.50000	1.4
71 Xylene (o)	106	20.302	20.307	(1.067)	44966	0.50000	0.45
72 Styrene	104	20.361	20.355	(1.071)	50580	0.50000	0.36
73 Bromoform	173	20.746	20.751	(1.091)	52187	0.50000	0.36
74 Isopropylbenzene	105	20.949	20.955	(1.102)	131092	0.50000	0.46
75 1,1,2,2-Tetrachloroethane	83	21.564	21.564	(1.134)	86942	0.50000	0.49
76 n-Propylbenzene	91	21.639	21.639	(1.138)	153229	0.50000	0.46
77 1,2,3-Trichloropropane	75	21.661	21.661	(1.139)	63287	0.50000	0.52
78 n-Decane	57	21.805	21.805	(1.147)	71327	0.50000	0.60
79 4-Ethyltoluene	105	21.821	21.821	(1.147)	115051	0.50000	0.43
80 2-Chlorotoluene	91	21.826	21.827	(1.148)	114507	0.50000	0.49
81 1,3,5-Trimethylbenzene	105	21.923	21.923	(1.153)	108944	0.50000	0.45
82 Alpha Methyl Styrene	118	22.276	22.276	(1.171)	37320	0.50000	0.35
83 tert-butylbenzene	119	22.394	22.399	(1.177)	105611	0.50000	0.45
84 1,2,4-Trimethylbenzene	105	22.485	22.490	(1.182)	103136	0.50000	0.44
85 sec-Butylbenzene	105	22.715	22.715	(1.194)	165507	0.50000	0.47
86 4-Isopropyltoluene	119	22.912	22.913	(1.205)	119965	0.50000	0.42
87 1,3-Dichlorobenzene	146	22.939	22.939	(1.206)	50427	0.50000	0.34
88 1,4-Dichlorobenzene	146	23.073	23.073	(1.213)	43144	0.50000	0.32
89 Benzyl chloride	91	23.282	23.282	(1.224)	46777	0.50000	0.32
90 Undecane	57	23.517	23.517	(1.237)	73587	0.50000	0.56(a)
91 n-Butylbenzene	91	23.496	23.496	(1.235)	104740	0.50000	0.43
92 1,2-Dichlorobenzene	146	23.624	23.624	(1.242)	52471	0.50000	0.36
93 Dodecane	57	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	26.235	26.235	(1.379)	14654	0.50000	0.22(a)
95 1,3-Hexachlorobutadiene	225	26.427	26.433	(1.390)	53585	0.50000	0.40
96 Naphthalene	128	26.754	26.748	(1.407)	33655	0.50000	0.22(a)
97 1,2,3-Trichlorobenzene	180	27.240	27.246	(1.432)	13312	0.50000	0.20

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: gif09.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 519008
Lab Sample ID: IC 519008

Date: 09-JUL-2013 22:43
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gift15.b/gif10.d
Lab Smp Id: IC 513012
Inj Date : 09-JUL-2013 23:30
Operator : wrd
Smp Info : IC 513012
Misc Info : IC
Comment :
Method : /chem/G.i/Gsvr.p/gift15.b/to15v5.m
Meth Date : 12-Jul-2013 09:52 pd
Cal Date : 09-JUL-2013 23:30
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gif10.d
Calibration Sample, Level: 3
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	0.00000	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		3.071	3.076	(0.285)	66192	5.00000	5.8
2 Dichlorodifluoromethane	85		3.145	3.151	(0.292)	646806	5.00000	5.7
3 Chlorodifluoromethane	51		3.204	3.204	(0.297)	233762	5.00000	5.8
4 1,2-Dichloro-1,1,2,2-tetraflu	85		3.434	3.434	(0.319)	613852	5.00000	5.7
5 Chloromethane	50		3.579	3.579	(0.332)	111067	5.00000	5.8
6 Butane	43		3.798	3.798	(0.352)	132396	5.00000	5.8
7 Vinyl chloride	62		3.846	3.846	(0.357)	141665	5.00000	5.5
8 1,3-Butadiene	54		3.927	3.932	(0.364)	83475	5.00000	5.6
9 Bromomethane	94		4.659	4.659	(0.432)	205740	5.00000	5.4
10 Chloroethane	64		4.911	4.916	(0.456)	52158	5.00000	5.5
11 2-Methylbutane	43		5.002	5.002	(0.464)	84174	5.00000	5.2
12 Vinyl bromide	106		5.333	5.333	(0.495)	237687	5.00000	5.3
13 Trichlorofluoromethane	101		5.441	5.446	(0.505)	703786	5.00000	5.4
14 Pentane	43		5.596	5.596	(0.519)	156354	5.00000	5.6

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	6.072	6.077	(0.563)	75294	10.0000	11
16 Ethyl ether	59	6.157	6.157	(0.571)	83489	5.00000	5.5
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.591	6.591	(0.611)	452288	5.00000	5.5
18 Acrolein	56	6.553	6.564	(0.608)	41632	5.00000	6.2
19 1,1-Dichloroethene	96	6.623	6.628	(0.614)	185008	5.00000	5.4
20 Acetone	43	6.885	6.885	(0.639)	163777	5.00000	5.9
21 Carbon disulfide	76	7.013	7.013	(0.651)	528041	5.00000	5.6
22 Isopropanol	45	7.211	7.211	(0.669)	109074	5.00000	5.4
23 Allyl chloride	41	7.457	7.463	(0.692)	102331	5.00000	5.4
24 Acetonitrile	41	7.607	7.607	(0.706)	65065	5.00000	5.8
25 Methylene chloride	49	7.762	7.768	(0.720)	134826	5.00000	5.6
26 Tert-butyl alcohol	59	8.019	8.019	(0.744)	222280	5.00000	5.4
27 Methyl tert-butyl ether	73	8.196	8.196	(0.760)	427475	5.00000	5.5
28 1,2-Dichloroethene (trans)	61	8.217	8.222	(0.762)	223416	5.00000	5.6
29 Acrylonitrile	53	8.394	8.393	(0.779)	76259	5.00000	5.6
30 n-Hexane	57	8.629	8.629	(0.800)	172152	5.00000	5.5
31 1,1-Dichloroethane	63	9.137	9.137	(0.848)	309741	5.00000	5.4
32 Vinyl acetate	43	9.233	9.233	(0.857)	264542	5.00000	5.5
M 33 1,2-Dichloroethene,Total	61				482470	10.0000	11
34 1,2-Dichloroethene (cis)	96	10.293	10.298	(0.955)	259054	5.00000	5.2
35 Ethyl acetate	88	10.410	10.410	(0.966)	14343	5.00000	5.1
36 Methyl Ethyl Ketone	72	10.362	10.367	(0.961)	86799	5.00000	5.3
* 37 Bromochloromethane	128	10.780	10.785	(1.000)	541898	10.0000	
38 Tetrahydrofuran	42	10.780	10.785	(0.838)	135789	5.00000	6.0
39 Chloroform	83	10.924	10.929	(1.013)	626703	5.00000	5.4
40 Cyclohexane	84	11.175	11.175	(0.869)	312068	5.00000	5.8
41 1,1,1-Trichloroethane	97	11.207	11.213	(0.871)	697486	5.00000	5.6
42 Carbon tetrachloride	117	11.470	11.464	(0.892)	822875	5.00000	5.4
43 2,2,4-Trimethylpentane	57	11.935	11.940	(0.928)	1047955	5.00000	5.9
44 Benzene	78	11.962	11.962	(0.930)	837171	5.00000	5.7
45 1,2-Dichloroethane	62	12.160	12.160	(0.946)	416042	5.00000	5.6
46 n-Heptane	43	12.358	12.352	(0.961)	353245	5.00000	5.6
* 47 1,4-Difluorobenzene	114	12.861	12.860	(1.000)	2483893	10.0000	
48 n-Butanol	56	13.272	13.278	(1.032)	99946	5.00000	4.5(a)
49 Trichloroethene	95	13.342	13.342	(1.037)	462590	5.00000	5.3
50 1,2-Dichloropropane	63	13.936	13.936	(1.084)	383242	5.00000	5.6
51 Methyl methacrylate	69	14.123	14.128	(1.098)	307050	5.00000	5.3
52 Dibromomethane	174	14.198	14.198	(1.104)	400126	5.00000	4.8
53 1,4-Dioxane	88	14.177	14.171	(1.102)	134754	5.00000	5.1
54 Bromodichloromethane	83	14.508	14.508	(1.128)	814702	5.00000	5.4
55 1,3-Dichloropropene (cis)	75	15.477	15.476	(1.203)	564276	5.00000	5.4
56 Methyl isobutyl ketone	43	15.781	15.781	(1.227)	581276	5.00000	5.9
57 n-Octane	43	16.145	16.151	(1.255)	638615	5.00000	6.0
58 Toluene	92	16.081	16.086	(0.846)	689612	5.00000	5.3
59 1,3-Dichloropropene (trans)	75	16.691	16.696	(1.298)	574114	5.00000	5.2
60 1,1,2-Trichloroethane	83	17.071	17.071	(0.898)	408543	5.00000	5.4
61 Tetrachloroethene	166	17.172	17.178	(0.903)	585116	5.00000	4.8

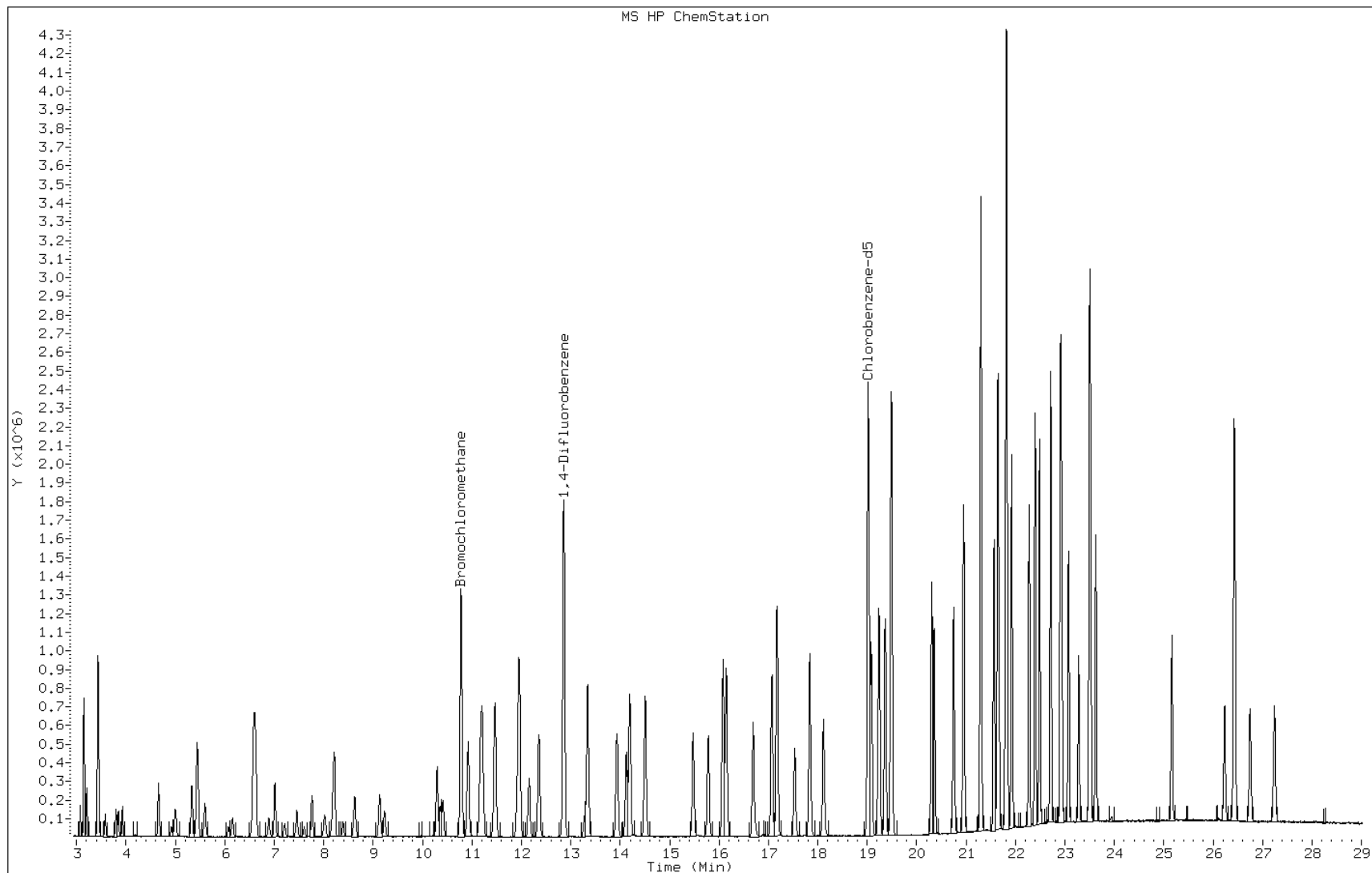
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	17.531	17.531	(0.922)	476888	5.00000	5.9
63 Dibromochloromethane	129	17.836	17.841	(0.938)	846947	5.00000	5.2
64 1,2-Dibromoethane	107	18.114	18.119	(0.952)	689204	5.00000	5.1
* 65 Chlorobenzene-d5	117	19.018	19.023	(1.000)	2258434	10.0000	
66 Chlorobenzene	112	19.082	19.082	(1.003)	908511	5.00000	5.1
67 n-Nonane	57	19.366	19.366	(1.018)	699146	5.00000	5.8
68 Ethylbenzene	91	19.237	19.237	(1.012)	1504412	5.00000	5.3
69 Xylene (m,p)	106	19.489	19.494	(1.025)	1162772	10.0000	11
M 70 Xylenes, Total	106				1740204	5.00000	16
71 Xylene (o)	106	20.307	20.307	(1.068)	577432	5.00000	5.3
72 Styrene	104	20.355	20.355	(1.070)	816189	5.00000	5.3
73 Bromoform	173	20.746	20.751	(1.091)	781940	5.00000	4.9
74 Isopropylbenzene	105	20.949	20.955	(1.102)	1653173	5.00000	5.3
75 1,1,2,2-Tetrachloroethane	83	21.564	21.564	(1.134)	1063754	5.00000	5.6
76 n-Propylbenzene	91	21.639	21.639	(1.138)	2041425	5.00000	5.6
77 1,2,3-Trichloropropane	75	21.661	21.661	(1.139)	748598	5.00000	5.7
78 n-Decane	57	21.805	21.805	(1.147)	867343	5.00000	6.8
79 4-Ethyltoluene	105	21.821	21.821	(1.147)	1666159	5.00000	5.8
80 2-Chlorotoluene	91	21.827	21.827	(1.148)	1465374	5.00000	5.8
81 1,3,5-Trimethylbenzene	105	21.923	21.923	(1.153)	1414104	5.00000	5.4
82 Alpha Methyl Styrene	118	22.276	22.276	(1.171)	620787	5.00000	5.4
83 tert-butylbenzene	119	22.399	22.399	(1.178)	1340602	5.00000	5.3
84 1,2,4-Trimethylbenzene	105	22.485	22.490	(1.182)	1383746	5.00000	5.4
85 sec-Butylbenzene	105	22.715	22.715	(1.194)	2094550	5.00000	5.5
86 4-Isopropyltoluene	119	22.907	22.913	(1.204)	1658812	5.00000	5.4
87 1,3-Dichlorobenzene	146	22.934	22.939	(1.206)	787526	5.00000	4.9
88 1,4-Dichlorobenzene	146	23.073	23.073	(1.213)	701304	5.00000	4.8
89 Benzyl chloride	91	23.276	23.282	(1.224)	822689	5.00000	5.1
90 Undecane	57	23.517	23.517	(1.237)	986794	5.00000	6.9
91 n-Butylbenzene	91	23.496	23.496	(1.235)	1523132	5.00000	5.8
92 1,2-Dichlorobenzene	146	23.624	23.624	(1.242)	784653	5.00000	5.0
93 Dodecane	57	25.165	25.165	(1.323)	529318	5.00000	5.3
94 1,2,4-Trichlorobenzene	180	26.229	26.235	(1.379)	301906	5.00000	4.1
95 1,3-Hexachlorobutadiene	225	26.427	26.433	(1.390)	716713	5.00000	4.9
96 Naphthalene	128	26.748	26.748	(1.406)	816788	5.00000	4.8
97 1,2,3-Trichlorobenzene	180	27.241	27.246	(1.432)	335678	5.00000	4.7

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: gif10.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 513012
Lab Sample ID: IC 513012

Date: 09-JUL-2013 23:30
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gift15.b/gif11.d
Lab Smp Id: ICIS 504995
Inj Date : 10-JUL-2013 00:17
Operator : wrd
Smp Info : ICIS 504995
Misc Info : ICIS
Comment :
Method : /chem/G.i/Gsvr.p/gift15.b/to15v5.m
Meth Date : 12-Jul-2013 09:52 pd
Cal Date : 10-JUL-2013 00:17
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: G.i
Quant Type: ISTD
Cal File: gif11.d
Calibration Sample, Level: 4
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	0.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

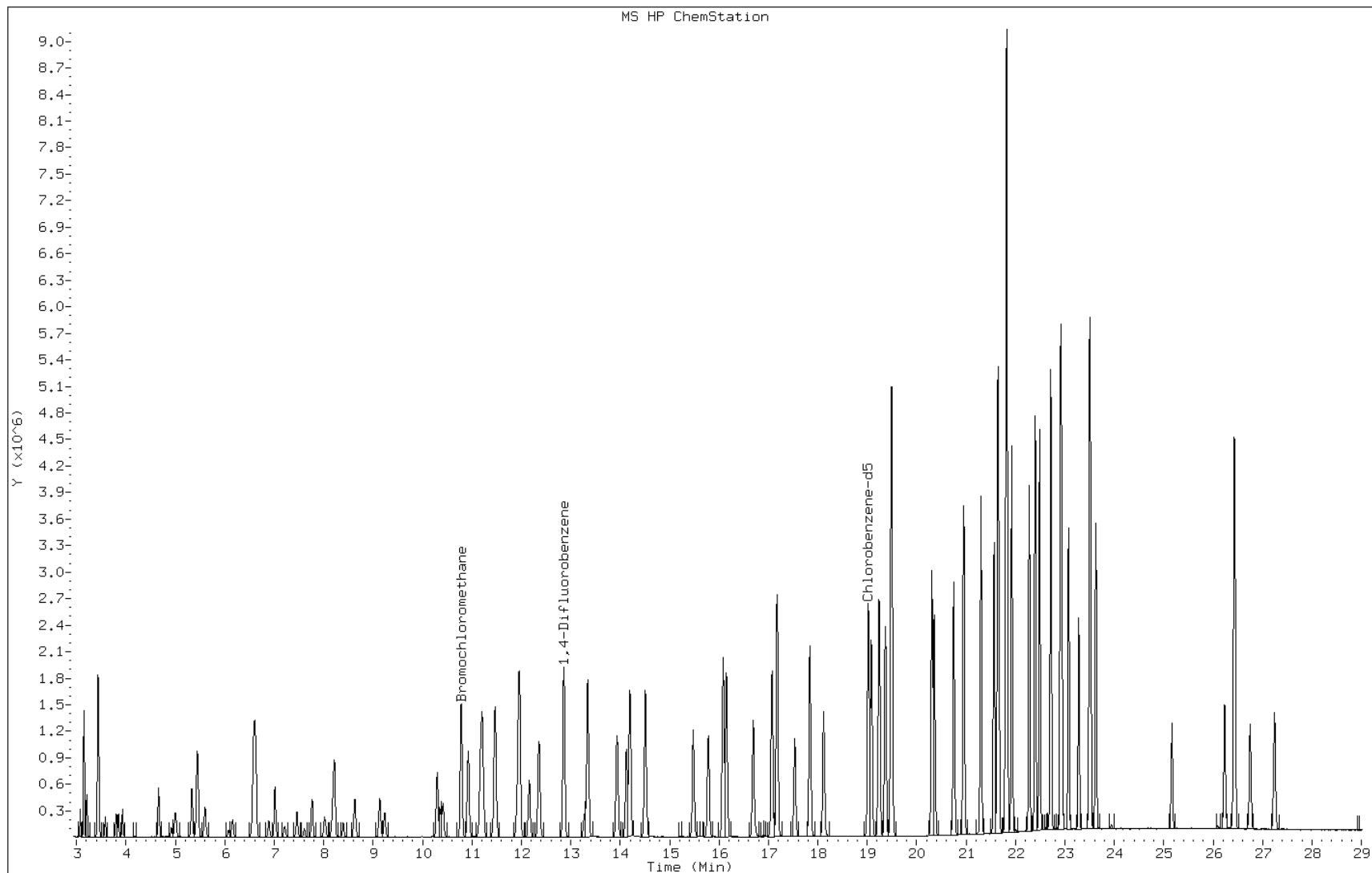
Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	=====	==	=====	=====	=====	=====	=====
1 Propene	41		3.076	3.076	(0.285)	124230	10.0000	10
2 Dichlorodifluoromethane	85		3.151	3.151	(0.292)	1236195	10.0000	10
3 Chlorodifluoromethane	51		3.204	3.204	(0.297)	441975	10.0000	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85		3.434	3.434	(0.318)	1159682	10.0000	10
5 Chloromethane	50		3.579	3.579	(0.332)	209198	10.0000	10
6 Butane	43		3.798	3.798	(0.352)	245875	10.0000	10
7 Vinyl chloride	62		3.846	3.846	(0.357)	267170	10.0000	9.8
8 1,3-Butadiene	54		3.932	3.932	(0.365)	156844	10.0000	9.9
9 Bromomethane	94		4.659	4.659	(0.432)	402355	10.0000	10
10 Chloroethane	64		4.916	4.916	(0.456)	106435	10.0000	11
11 2-Methylbutane	43		5.002	5.002	(0.464)	159148	10.0000	9.3
12 Vinyl bromide	106		5.333	5.333	(0.495)	484522	10.0000	10
13 Trichlorofluoromethane	101		5.446	5.446	(0.505)	1375754	10.0000	10
14 Pentane	43		5.596	5.596	(0.519)	305750	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	6.077	6.077	(0.563)	112706	15.0000	16
16 Ethyl ether	59	6.157	6.157	(0.571)	166933	10.0000	11
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.591	6.591	(0.611)	884136	10.0000	10
18 Acrolein	56	6.564	6.564	(0.609)	80548	10.0000	11
19 1,1-Dichloroethene	96	6.628	6.628	(0.615)	364395	10.0000	10
20 Acetone	43	6.885	6.885	(0.638)	293648	10.0000	10
21 Carbon disulfide	76	7.013	7.013	(0.650)	1039331	10.0000	11
22 Isopropanol	45	7.211	7.211	(0.669)	210791	10.0000	10
23 Allyl chloride	41	7.463	7.463	(0.692)	208985	10.0000	11
24 Acetonitrile	41	7.607	7.607	(0.705)	119195	10.0000	10
25 Methylene chloride	49	7.768	7.768	(0.720)	258795	10.0000	10
26 Tert-butyl alcohol	59	8.019	8.019	(0.744)	428861	10.0000	9.9
27 Methyl tert-butyl ether	73	8.196	8.196	(0.760)	859623	10.0000	10
28 1,2-Dichloroethene (trans)	61	8.222	8.222	(0.762)	436729	10.0000	10
29 Acrylonitrile	53	8.393	8.393	(0.778)	153787	10.0000	11
30 n-Hexane	57	8.629	8.629	(0.800)	339515	10.0000	10
31 1,1-Dichloroethane	63	9.137	9.137	(0.847)	606783	10.0000	10
32 Vinyl acetate	43	9.233	9.233	(0.856)	539496	10.0000	11
M 33 1,2-Dichloroethene,Total	61				974505	20.0000	21
34 1,2-Dichloroethene (cis)	96	10.298	10.298	(0.955)	537776	10.0000	10
35 Ethyl acetate	88	10.410	10.410	(0.965)	30640	10.0000	10
36 Methyl Ethyl Ketone	72	10.367	10.367	(0.961)	177606	10.0000	10
* 37 Bromochloromethane	128	10.785	10.785	(1.000)	568316	10.0000	
38 Tetrahydrofuran	42	10.785	10.785	(0.839)	275020	10.0000	11
39 Chloroform	83	10.929	10.929	(1.013)	1251521	10.0000	10
40 Cyclohexane	84	11.175	11.175	(0.869)	630987	10.0000	11
41 1,1,1-Trichloroethane	97	11.213	11.213	(0.872)	1425038	10.0000	10
42 Carbon tetrachloride	117	11.464	11.464	(0.891)	1714827	10.0000	10
43 2,2,4-Trimethylpentane	57	11.940	11.940	(0.928)	2082435	10.0000	11
44 Benzene	78	11.962	11.962	(0.930)	1678678	10.0000	10
45 1,2-Dichloroethane	62	12.160	12.160	(0.946)	848449	10.0000	10
46 n-Heptane	43	12.352	12.352	(0.960)	695625	10.0000	10
* 47 1,4-Difluorobenzene	114	12.860	12.860	(1.000)	2706937	10.0000	
48 n-Butanol	56	13.278	13.278	(1.032)	249334	10.0000	10
49 Trichloroethene	95	13.342	13.342	(1.037)	1005388	10.0000	11
50 1,2-Dichloropropane	63	13.936	13.936	(1.084)	803285	10.0000	11
51 Methyl methacrylate	69	14.128	14.128	(1.099)	702910	10.0000	11
52 Dibromomethane	174	14.198	14.198	(1.104)	924608	10.0000	10
53 1,4-Dioxane	88	14.171	14.171	(1.102)	285934	10.0000	9.9
54 Bromodichloromethane	83	14.508	14.508	(1.128)	1782798	10.0000	11
55 1,3-Dichloropropene (cis)	75	15.476	15.476	(1.203)	1240593	10.0000	11
56 Methyl isobutyl ketone	43	15.781	15.781	(1.227)	1227490	10.0000	11
57 n-Octane	43	16.151	16.151	(1.256)	1260336	10.0000	11
58 Toluene	92	16.086	16.086	(0.846)	1523237	10.0000	11
59 1,3-Dichloropropene (trans)	75	16.696	16.696	(1.298)	1282594	10.0000	11
60 1,1,2-Trichloroethane	83	17.071	17.071	(0.897)	887907	10.0000	11
61 Tetrachloroethene	166	17.178	17.178	(0.903)	1361717	10.0000	10

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	17.531	17.531	(0.922)	1107183	10.0000	12
63 Dibromochloromethane	129	17.841	17.841	(0.938)	1930561	10.0000	11
64 1,2-Dibromoethane	107	18.119	18.119	(0.952)	1574783	10.0000	11
* 65 Chlorobenzene-d5	117	19.023	19.023	(1.000)	2491926	10.0000	
66 Chlorobenzene	112	19.082	19.082	(1.003)	2050460	10.0000	10
67 n-Nonane	57	19.366	19.366	(1.018)	1438393	10.0000	11
68 Ethylbenzene	91	19.237	19.237	(1.011)	3329021	10.0000	11
69 Xylene (m,p)	106	19.494	19.494	(1.025)	2625306	20.0000	22
M 70 Xylenes, Total	106				3918063	10.0000	33
71 Xylene (o)	106	20.307	20.307	(1.067)	1292757	10.0000	11
72 Styrene	104	20.355	20.355	(1.070)	1902083	10.0000	11
73 Bromoform	173	20.751	20.751	(1.091)	1914438	10.0000	11
74 Isopropylbenzene	105	20.955	20.955	(1.102)	3677442	10.0000	11
75 1,1,2,2-Tetrachloroethane	83	21.564	21.564	(1.134)	2285761	10.0000	11
76 n-Propylbenzene	91	21.639	21.639	(1.137)	4499256	10.0000	11
77 1,2,3-Trichloropropane	75	21.661	21.661	(1.139)	1603859	10.0000	11
78 n-Decane	57	21.805	21.805	(1.146)	1626202	10.0000	11
79 4-Ethyltoluene	105	21.821	21.821	(1.147)	3752372	10.0000	12
80 2-Chlorotoluene	91	21.827	21.827	(1.147)	3170931	10.0000	11
81 1,3,5-Trimethylbenzene	105	21.923	21.923	(1.152)	3110901	10.0000	11
82 Alpha Methyl Styrene	118	22.276	22.276	(1.171)	1464047	10.0000	12
83 tert-butylbenzene	119	22.399	22.399	(1.177)	2943627	10.0000	10
84 1,2,4-Trimethylbenzene	105	22.490	22.490	(1.182)	3053767	10.0000	11
85 sec-Butylbenzene	105	22.715	22.715	(1.194)	4569554	10.0000	11
86 4-Isopropyltoluene	119	22.913	22.913	(1.204)	3718812	10.0000	11
87 1,3-Dichlorobenzene	146	22.939	22.939	(1.206)	1899785	10.0000	11
88 1,4-Dichlorobenzene	146	23.073	23.073	(1.213)	1712055	10.0000	11
89 Benzyl chloride	91	23.282	23.282	(1.224)	2182409	10.0000	12
90 Undecane	57	23.517	23.517	(1.236)	1700332	10.0000	11
91 n-Butylbenzene	91	23.496	23.496	(1.235)	3266750	10.0000	11
92 1,2-Dichlorobenzene	146	23.624	23.624	(1.242)	1829104	10.0000	10
93 Dodecane	57	25.165	25.165	(1.323)	627306	10.0000	5.7
94 1,2,4-Trichlorobenzene	180	26.235	26.235	(1.379)	699250	10.0000	8.6
95 1,3-Hexachlorobutadiene	225	26.433	26.433	(1.389)	1511903	10.0000	9.3
96 Naphthalene	128	26.748	26.748	(1.406)	1589667	10.0000	8.5
97 1,2,3-Trichlorobenzene	180	27.246	27.246	(1.432)	723160	10.0000	9.1

Data File: gif11.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ICIS 504995
Lab Sample ID: ICIS 504995

Date: 10-JUL-2013 00:17
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gift15.b/gif12.d
Lab Smp Id: IC 491507
Inj Date : 10-JUL-2013 01:05
Operator : wrd
Smp Info : IC 491507
Misc Info : IC
Comment :
Method : /chem/G.i/Gsvr.p/gift15.b/to15v5.m
Meth Date : 12-Jul-2013 09:52 pd
Cal Date : 10-JUL-2013 01:05
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gif12.d
Calibration Sample, Level: 5
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	0.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

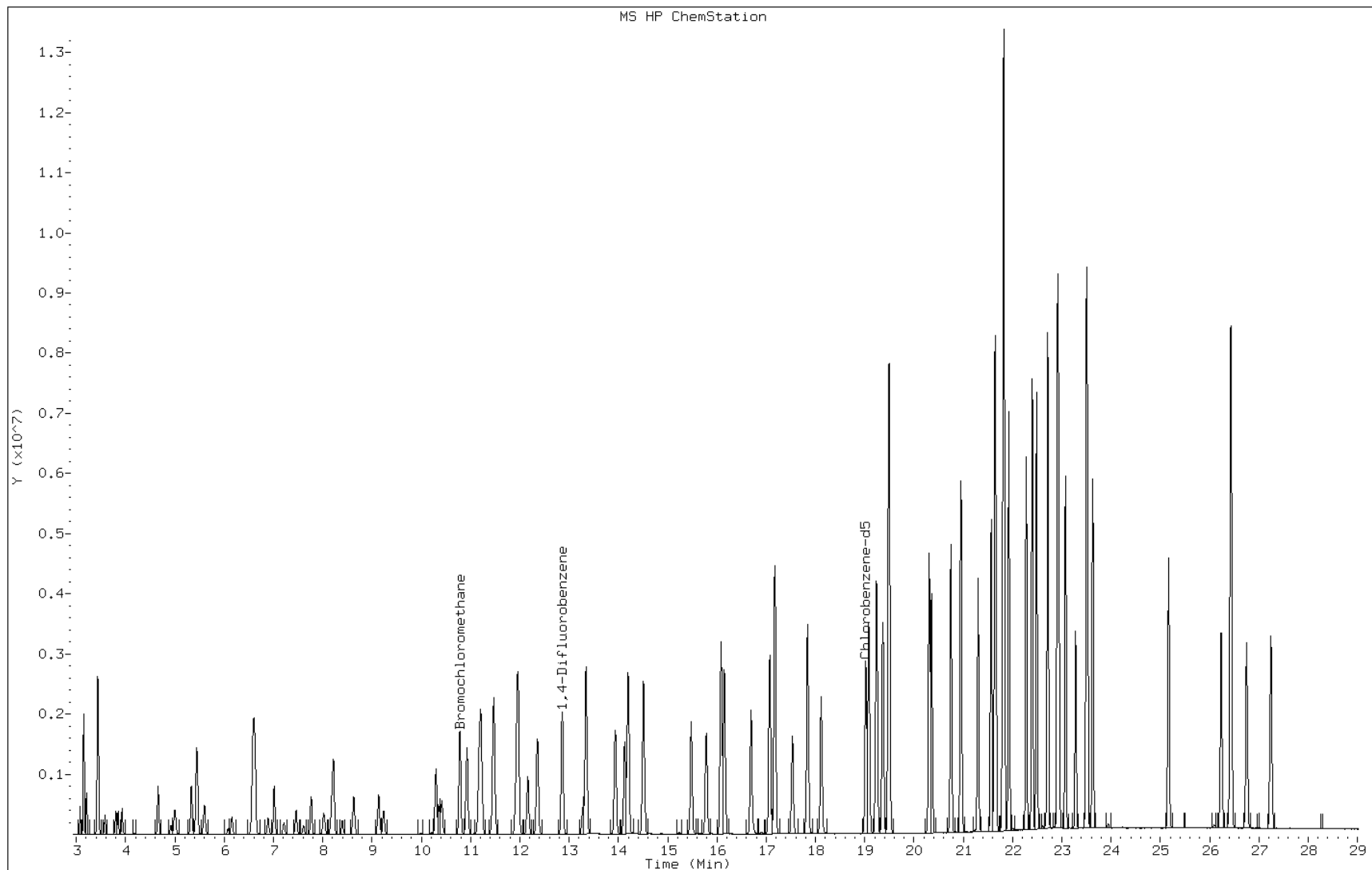
Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT	ON-COL
							(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====	
1 Propene	41	3.076	3.076	(0.285)	176722	15.0000	14	
2 Dichlorodifluoromethane	85	3.151	3.151	(0.292)	1777611	15.0000	14	
3 Chlorodifluoromethane	51	3.204	3.204	(0.297)	621384	15.0000	14	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.434	3.434	(0.318)	1650293	15.0000	14	
5 Chloromethane	50	3.579	3.579	(0.332)	293314	15.0000	14	
6 Butane	43	3.798	3.798	(0.352)	352958	15.0000	14	
7 Vinyl chloride	62	3.846	3.846	(0.357)	387373	15.0000	13	
8 1,3-Butadiene	54	3.932	3.932	(0.365)	225496	15.0000	13	
9 Bromomethane	94	4.659	4.659	(0.432)	579691	15.0000	14	
10 Chloroethane	64	4.921	4.916	(0.456)	149369	15.0000	14	
11 2-Methylbutane	43	5.002	5.002	(0.464)	232633	15.0000	13	
12 Vinyl bromide	106	5.333	5.333	(0.495)	715615	15.0000	14	
13 Trichlorofluoromethane	101	5.440	5.446	(0.504)	2024700	15.0000	14	
14 Pentane	43	5.601	5.596	(0.519)	441141	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	6.077	6.077	(0.563)	126924	20.0000	17
16 Ethyl ether	59	6.157	6.157	(0.571)	241757	15.0000	14
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.596	6.591	(0.612)	1293477	15.0000	14
18 Acrolein	56	6.564	6.564	(0.609)	73662	15.0000	9.8
19 1,1-Dichloroethene	96	6.628	6.628	(0.615)	537445	15.0000	14
20 Acetone	43	6.890	6.885	(0.639)	446128	15.0000	14
21 Carbon disulfide	76	7.013	7.013	(0.650)	1500355	15.0000	14
22 Isopropanol	45	7.216	7.211	(0.669)	338104	15.0000	15
23 Allyl chloride	41	7.463	7.463	(0.692)	298822	15.0000	14
24 Acetonitrile	41	7.612	7.607	(0.706)	183841	15.0000	15
25 Methylene chloride	49	7.767	7.768	(0.720)	376316	15.0000	14
26 Tert-butyl alcohol	59	8.019	8.019	(0.744)	697245	15.0000	15
27 Methyl tert-butyl ether	73	8.190	8.196	(0.759)	1262670	15.0000	15
28 1,2-Dichloroethene (trans)	61	8.222	8.222	(0.762)	622772	15.0000	14
29 Acrylonitrile	53	8.393	8.393	(0.778)	221032	15.0000	15
30 n-Hexane	57	8.629	8.629	(0.800)	491904	15.0000	14
31 1,1-Dichloroethane	63	9.137	9.137	(0.847)	886260	15.0000	14
32 Vinyl acetate	43	9.239	9.233	(0.857)	768422	15.0000	14
M 33 1,2-Dichloroethene,Total	61				1430812	30.0000	28
34 1,2-Dichloroethene (cis)	96	10.298	10.298	(0.955)	808040	15.0000	14
35 Ethyl acetate	88	10.421	10.410	(0.966)	46007	15.0000	15
36 Methyl Ethyl Ketone	72	10.362	10.367	(0.961)	268876	15.0000	15
* 37 Bromochloromethane	128	10.785	10.785	(1.000)	602802	10.0000	
38 Tetrahydrofuran	42	10.779	10.785	(0.838)	395714	15.0000	15
39 Chloroform	83	10.929	10.929	(1.013)	1863075	15.0000	15
40 Cyclohexane	84	11.175	11.175	(0.869)	946711	15.0000	15
41 1,1,1-Trichloroethane	97	11.213	11.213	(0.872)	2141518	15.0000	14
42 Carbon tetrachloride	117	11.469	11.464	(0.892)	2616036	15.0000	14
43 2,2,4-Trimethylpentane	57	11.940	11.940	(0.928)	3005823	15.0000	14
44 Benzene	78	11.967	11.962	(0.931)	2521833	15.0000	14
45 1,2-Dichloroethane	62	12.160	12.160	(0.946)	1262643	15.0000	14
46 n-Heptane	43	12.357	12.352	(0.961)	1002639	15.0000	13
* 47 1,4-Difluorobenzene	114	12.860	12.860	(1.000)	2973840	10.0000	
48 n-Butanol	56	13.278	13.278	(1.032)	424594	15.0000	16
49 Trichloroethene	95	13.342	13.342	(1.037)	1581666	15.0000	15
50 1,2-Dichloropropane	63	13.936	13.936	(1.084)	1218416	15.0000	15
51 Methyl methacrylate	69	14.123	14.128	(1.098)	1091051	15.0000	16
52 Dibromomethane	174	14.203	14.198	(1.104)	1561742	15.0000	16
53 1,4-Dioxane	88	14.166	14.171	(1.101)	488416	15.0000	15
54 Bromodichloromethane	83	14.508	14.508	(1.128)	2802241	15.0000	15
55 1,3-Dichloropropene (cis)	75	15.476	15.476	(1.203)	1962304	15.0000	16
56 Methyl isobutyl ketone	43	15.781	15.781	(1.227)	1771720	15.0000	15
57 n-Octane	43	16.150	16.151	(1.256)	1813425	15.0000	14
58 Toluene	92	16.086	16.086	(0.846)	2452246	15.0000	15
59 1,3-Dichloropropene (trans)	75	16.691	16.696	(1.298)	1997780	15.0000	15
60 1,1,2-Trichloroethane	83	17.071	17.071	(0.897)	1384995	15.0000	15
61 Tetrachloroethene	166	17.178	17.178	(0.903)	2277137	15.0000	15

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	17.531	17.531	(0.922)	1619535	15.0000	16
63 Dibromochloromethane	129	17.841	17.841	(0.938)	3182840	15.0000	16
64 1,2-Dibromoethane	107	18.114	18.119	(0.952)	2565666	15.0000	16
* 65 Chlorobenzene-d5	117	19.023	19.023	(1.000)	2782960	10.0000	
66 Chlorobenzene	112	19.082	19.082	(1.003)	3340802	15.0000	15
67 n-Nonane	57	19.366	19.366	(1.018)	2150735	15.0000	15
68 Ethylbenzene	91	19.237	19.237	(1.011)	5330571	15.0000	15
69 Xylene (m,p)	106	19.494	19.494	(1.025)	4255641	30.0000	32
M 70 Xylenes, Total	106				6349100	15.0000	47
71 Xylene (o)	106	20.307	20.307	(1.067)	2093459	15.0000	16
72 Styrene	104	20.355	20.355	(1.070)	3117722	15.0000	17
73 Bromoform	173	20.751	20.751	(1.091)	3265241	15.0000	17
74 Isopropylbenzene	105	20.954	20.955	(1.102)	5931648	15.0000	15
75 1,1,2,2-Tetrachloroethane	83	21.564	21.564	(1.134)	3563244	15.0000	15
76 n-Propylbenzene	91	21.639	21.639	(1.137)	7130610	15.0000	16
77 1,2,3-Trichloropropane	75	21.661	21.661	(1.139)	2444381	15.0000	15
78 n-Decane	57	21.805	21.805	(1.146)	2279998	15.0000	14
79 4-Ethyltoluene	105	21.821	21.821	(1.147)	5862401	15.0000	16
80 2-Chlorotoluene	91	21.832	21.827	(1.148)	4873256	15.0000	16
81 1,3,5-Trimethylbenzene	105	21.923	21.923	(1.152)	5104345	15.0000	16
82 Alpha Methyl Styrene	118	22.276	22.276	(1.171)	2426694	15.0000	17
83 tert-butylbenzene	119	22.399	22.399	(1.177)	4807263	15.0000	15
84 1,2,4-Trimethylbenzene	105	22.490	22.490	(1.182)	5023975	15.0000	16
85 sec-Butylbenzene	105	22.715	22.715	(1.194)	7307912	15.0000	15
86 4-Isopropyltoluene	119	22.912	22.913	(1.204)	6126020	15.0000	16
87 1,3-Dichlorobenzene	146	22.939	22.939	(1.206)	3351586	15.0000	17
88 1,4-Dichlorobenzene	146	23.078	23.073	(1.213)	3070349	15.0000	17
89 Benzyl chloride	91	23.282	23.282	(1.224)	3031047	15.0000	15
90 Undecane	57	23.517	23.517	(1.236)	2754200	15.0000	16
91 n-Butylbenzene	91	23.496	23.496	(1.235)	5324193	15.0000	16
92 1,2-Dichlorobenzene	146	23.624	23.624	(1.242)	3205545	15.0000	16
93 Dodecane	57	25.165	25.165	(1.323)	2434433	15.0000	20
94 1,2,4-Trichlorobenzene	180	26.235	26.235	(1.379)	1685642	15.0000	19
95 1,3-Hexachlorobutadiene	225	26.433	26.433	(1.389)	2953373	15.0000	16
96 Naphthalene	128	26.748	26.748	(1.406)	4211925	15.0000	20
97 1,2,3-Trichlorobenzene	180	27.240	27.246	(1.432)	1818211	15.0000	20

Data File: gif12.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 491507
Lab Sample ID: IC 491507

Date: 10-JUL-2013 01:05
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gift15.b/gif13.d
Lab Smp Id: IC 519004
Inj Date : 10-JUL-2013 01:52
Operator : wrd
Smp Info : IC 519004
Misc Info : IC
Comment :
Method : /chem/G.i/Gsvr.p/gift15.b/to15v5.m
Meth Date : 12-Jul-2013 09:52 pd
Cal Date : 10-JUL-2013 01:52
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gif13.d
Calibration Sample, Level: 6
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	0.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable

Local Compound Variable

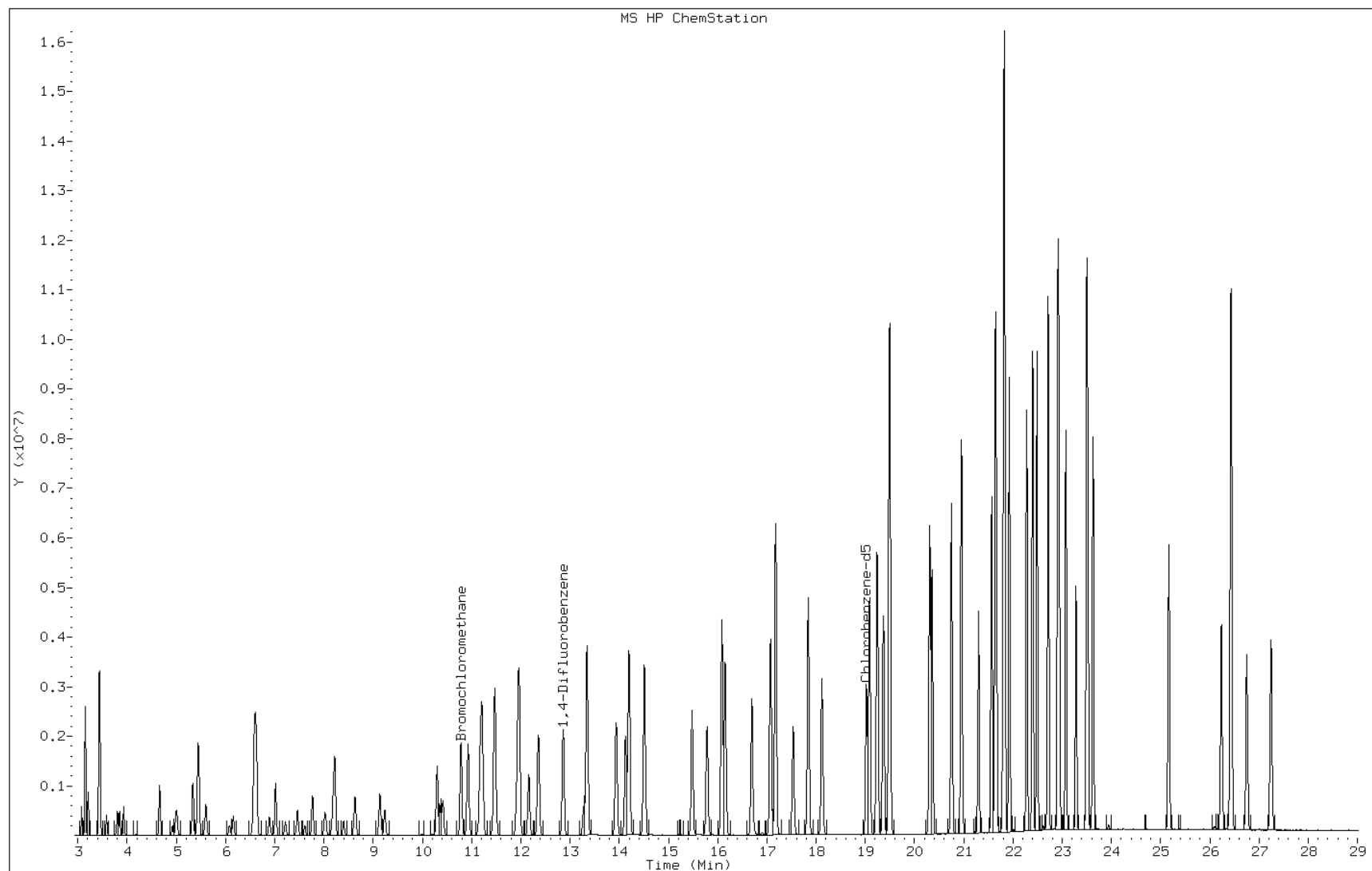
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
1 Propene	41	3.076	3.076	(0.285)	219192	20.0000	17
2 Dichlorodifluoromethane	85	3.151	3.151	(0.292)	2256866	20.0000	18
3 Chlorodifluoromethane	51	3.210	3.204	(0.298)	793660	20.0000	17
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.434	3.434	(0.318)	2073857	20.0000	17
5 Chloromethane	50	3.584	3.579	(0.332)	371978	20.0000	17
6 Butane	43	3.803	3.798	(0.353)	458085	20.0000	18
7 Vinyl chloride	62	3.846	3.846	(0.357)	507615	20.0000	17
8 1,3-Butadiene	54	3.932	3.932	(0.365)	295000	20.0000	17
9 Bromomethane	94	4.659	4.659	(0.432)	746697	20.0000	17
10 Chloroethane	64	4.922	4.916	(0.456)	195441	20.0000	18
11 2-Methylbutane	43	5.007	5.002	(0.464)	294174	20.0000	16
12 Vinyl bromide	106	5.333	5.333	(0.495)	943108	20.0000	19
13 Trichlorofluoromethane	101	5.446	5.446	(0.505)	2621711	20.0000	18
14 Pentane	43	5.601	5.596	(0.519)	554408	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	6.088	6.077	(0.564)	284607	40.0000	37
16 Ethyl ether	59	6.157	6.157	(0.571)	312501	20.0000	18
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.596	6.591	(0.612)	1653635	20.0000	18
18 Acrolein	56	6.564	6.564	(0.609)	150722	20.0000	20
19 1,1-Dichloroethene	96	6.628	6.628	(0.615)	687456	20.0000	18
20 Acetone	43	6.890	6.885	(0.639)	585850	20.0000	19
21 Carbon disulfide	76	7.019	7.013	(0.651)	1932946	20.0000	18
22 Isopropanol	45	7.217	7.211	(0.669)	456586	20.0000	20
23 Allyl chloride	41	7.463	7.463	(0.692)	375109	20.0000	18
24 Acetonitrile	41	7.607	7.607	(0.705)	234551	20.0000	19
25 Methylene chloride	49	7.768	7.768	(0.720)	477905	20.0000	17
26 Tert-butyl alcohol	59	8.024	8.019	(0.744)	927468	20.0000	20
27 Methyl tert-butyl ether	73	8.190	8.196	(0.759)	1638620	20.0000	19
28 1,2-Dichloroethene (trans)	61	8.222	8.222	(0.762)	791759	20.0000	17
29 Acrylonitrile	53	8.399	8.393	(0.779)	280774	20.0000	18
30 n-Hexane	57	8.629	8.629	(0.800)	629642	20.0000	18
31 1,1-Dichloroethane	63	9.137	9.137	(0.847)	1137213	20.0000	18
32 Vinyl acetate	43	9.233	9.233	(0.856)	1008928	20.0000	19
M 33 1,2-Dichloroethene,Total	61				1842858	40.0000	36
34 1,2-Dichloroethene (cis)	96	10.298	10.298	(0.955)	1051099	20.0000	19
35 Ethyl acetate	88	10.416	10.410	(0.966)	61545	20.0000	20
36 Methyl Ethyl Ketone	72	10.362	10.367	(0.961)	345873	20.0000	19
* 37 Bromochloromethane	128	10.785	10.785	(1.000)	612294	10.0000	
38 Tetrahydrofuran	42	10.785	10.785	(0.839)	509954	20.0000	18
39 Chloroform	83	10.929	10.929	(1.013)	2411181	20.0000	19
40 Cyclohexane	84	11.170	11.175	(0.869)	1217894	20.0000	18
41 1,1,1-Trichloroethane	97	11.213	11.213	(0.872)	2807221	20.0000	18
42 Carbon tetrachloride	117	11.470	11.464	(0.892)	3493438	20.0000	18
43 2,2,4-Trimethylpentane	57	11.946	11.940	(0.929)	3801936	20.0000	17
44 Benzene	78	11.967	11.962	(0.931)	3218341	20.0000	17
45 1,2-Dichloroethane	62	12.160	12.160	(0.946)	1647927	20.0000	17
46 n-Heptane	43	12.358	12.352	(0.961)	1248850	20.0000	16
* 47 1,4-Difluorobenzene	114	12.860	12.860	(1.000)	3167139	10.0000	
48 n-Butanol	56	13.272	13.278	(1.032)	569211	20.0000	20
49 Trichloroethene	95	13.342	13.342	(1.037)	2178035	20.0000	20
50 1,2-Dichloropropane	63	13.941	13.936	(1.084)	1607950	20.0000	18
51 Methyl methacrylate	69	14.128	14.128	(1.099)	1476255	20.0000	20
52 Dibromomethane	174	14.198	14.198	(1.104)	2256891	20.0000	21
53 1,4-Dioxane	88	14.166	14.171	(1.101)	708052	20.0000	21
54 Bromodichloromethane	83	14.508	14.508	(1.128)	3788377	20.0000	20
55 1,3-Dichloropropene (cis)	75	15.476	15.476	(1.203)	2672230	20.0000	20
56 Methyl isobutyl ketone	43	15.781	15.781	(1.227)	2278174	20.0000	18
57 n-Octane	43	16.151	16.151	(1.256)	2275670	20.0000	17
58 Toluene	92	16.086	16.086	(0.846)	3358733	20.0000	19
59 1,3-Dichloropropene (trans)	75	16.691	16.696	(1.298)	2742504	20.0000	20
60 1,1,2-Trichloroethane	83	17.071	17.071	(0.897)	1866510	20.0000	19
61 Tetrachloroethene	166	17.178	17.178	(0.903)	3300317	20.0000	21

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	17.536	17.531	(0.922)	2158503	20.0000	20
63 Dibromochloromethane	129	17.841	17.841	(0.938)	4433842	20.0000	21
64 1,2-Dibromoethane	107	18.119	18.119	(0.952)	3584263	20.0000	20
* 65 Chlorobenzene-d5	117	19.023	19.023	(1.000)	2989344	10.0000	
66 Chlorobenzene	112	19.082	19.082	(1.003)	4650190	20.0000	20
67 n-Nonane	57	19.366	19.366	(1.018)	2729768	20.0000	17
68 Ethylbenzene	91	19.237	19.237	(1.011)	7252789	20.0000	19
69 Xylene (m,p)	106	19.494	19.494	(1.025)	5811303	40.0000	40
M 70 Xylenes, Total	106				8708750	20.0000	60
71 Xylene (o)	106	20.307	20.307	(1.067)	2897447	20.0000	20
72 Styrene	104	20.361	20.355	(1.070)	4366619	20.0000	22
73 Bromoform	173	20.751	20.751	(1.091)	4628875	20.0000	22
74 Isopropylbenzene	105	20.955	20.955	(1.102)	8104142	20.0000	20
75 1,1,2,2-Tetrachloroethane	83	21.564	21.564	(1.134)	4695892	20.0000	19
76 n-Propylbenzene	91	21.639	21.639	(1.137)	9436610	20.0000	19
77 1,2,3-Trichloropropane	75	21.666	21.661	(1.139)	3155180	20.0000	18
78 n-Decane	57	21.805	21.805	(1.146)	2669526	20.0000	16
79 4-Ethyltoluene	105	21.821	21.821	(1.147)	7558311	20.0000	20
80 2-Chlorotoluene	91	21.832	21.827	(1.148)	6115574	20.0000	18
81 1,3,5-Trimethylbenzene	105	21.923	21.923	(1.152)	6892726	20.0000	20
82 Alpha Methyl Styrene	118	22.276	22.276	(1.171)	3492491	20.0000	23
83 tert-butylbenzene	119	22.399	22.399	(1.177)	6574339	20.0000	20
84 1,2,4-Trimethylbenzene	105	22.490	22.490	(1.182)	6795751	20.0000	20
85 sec-Butylbenzene	105	22.715	22.715	(1.194)	9823998	20.0000	19
86 4-Isopropyltoluene	119	22.913	22.913	(1.204)	8283436	20.0000	20
87 1,3-Dichlorobenzene	146	22.939	22.939	(1.206)	4773526	20.0000	23
88 1,4-Dichlorobenzene	146	23.078	23.073	(1.213)	4389710	20.0000	23
89 Benzyl chloride	91	23.282	23.282	(1.224)	4662019	20.0000	22
90 Undecane	57	23.522	23.517	(1.236)	3241721	20.0000	17
91 n-Butylbenzene	91	23.496	23.496	(1.235)	6881109	20.0000	20
92 1,2-Dichlorobenzene	146	23.629	23.624	(1.242)	4522570	20.0000	22
93 Dodecane	57	25.165	25.165	(1.323)	3132916	20.0000	24
94 1,2,4-Trichlorobenzene	180	26.235	26.235	(1.379)	2172074	20.0000	22
95 1,3-Hexachlorobutadiene	225	26.433	26.433	(1.389)	3925457	20.0000	20
96 Naphthalene	128	26.748	26.748	(1.406)	4892601	20.0000	22
97 1,2,3-Trichlorobenzene	180	27.240	27.246	(1.432)	2266388	20.0000	24

Data File: gif13.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 519007
Lab Sample ID: IC 519007

Date: 10-JUL-2013 01:52
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gift15.b/gif14.d
Lab Smp Id: IC 504994
Inj Date : 10-JUL-2013 02:39
Operator : wrd
Smp Info : IC 504994
Misc Info : IC
Comment :
Method : /chem/G.i/Gsvr.p/gift15.b/to15v5.m
Meth Date : 12-Jul-2013 09:52 pd
Cal Date : 10-JUL-2013 02:39
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: G.i
Quant Type: ISTD
Cal File: gif14.d
Calibration Sample, Level: 7
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	0.00000	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		3.076	3.076	(0.285)	440128	40.0000	34
2 Dichlorodifluoromethane	85		3.151	3.151	(0.292)	4391282	40.0000	35
3 Chlorodifluoromethane	51		3.204	3.204	(0.297)	1544145	40.0000	34
4 1,2-Dichloro-1,1,2,2-tetraflu	85		3.434	3.434	(0.318)	3961029	40.0000	32
5 Chloromethane	50		3.579	3.579	(0.332)	739448	40.0000	34
6 Butane	43		3.798	3.798	(0.352)	905445	40.0000	35
7 Vinyl chloride	62		3.846	3.846	(0.356)	1005767	40.0000	34
8 1,3-Butadiene	54		3.932	3.932	(0.364)	599462	40.0000	35
9 Bromomethane	94		4.659	4.659	(0.432)	1489702	40.0000	35
10 Chloroethane	64		4.921	4.916	(0.456)	378346	40.0000	35
11 2-Methylbutane	43		5.002	5.002	(0.464)	563982	40.0000	31
12 Vinyl bromide	106		5.333	5.333	(0.494)	1900725	40.0000	38
13 Trichlorofluoromethane	101		5.446	5.446	(0.505)	5186344	40.0000	36
14 Pentane	43		5.601	5.596	(0.519)	1086754	40.0000	35

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	6.088	6.077	(0.564)	740000	100.000	97
16 Ethyl ether	59	6.157	6.157	(0.571)	631449	40.0000	37
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.596	6.591	(0.611)	3207699	40.0000	35
18 Acrolein	56	6.564	6.564	(0.608)	303463	40.0000	40
19 1,1-Dichloroethene	96	6.628	6.628	(0.614)	1365494	40.0000	35
20 Acetone	43	6.895	6.885	(0.639)	1128355	40.0000	36
21 Carbon disulfide	76	7.019	7.013	(0.650)	3874448	40.0000	37
22 Isopropanol	45	7.222	7.211	(0.669)	822921	40.0000	36
23 Allyl chloride	41	7.468	7.463	(0.692)	769618	40.0000	36
24 Acetonitrile	41	7.612	7.607	(0.705)	445091	40.0000	35
25 Methylene chloride	49	7.767	7.768	(0.720)	953097	40.0000	35
26 Tert-butyl alcohol	59	8.030	8.019	(0.744)	1706660	40.0000	37
27 Methyl tert-butyl ether	73	8.190	8.196	(0.759)	3264088	40.0000	37
28 1,2-Dichloroethene (trans)	61	8.222	8.222	(0.762)	1546284	40.0000	34
29 Acrylonitrile	53	8.399	8.393	(0.778)	580959	40.0000	38
30 n-Hexane	57	8.634	8.629	(0.800)	1249224	40.0000	35
31 1,1-Dichloroethane	63	9.137	9.137	(0.847)	2269048	40.0000	35
32 Vinyl acetate	43	9.239	9.233	(0.856)	1960832	40.0000	36
M 33 1,2-Dichloroethene,Total	61				3662413	80.0000	72
34 1,2-Dichloroethene (cis)	96	10.303	10.298	(0.955)	2116129	40.0000	37
35 Ethyl acetate	88	10.426	10.410	(0.966)	121345	40.0000	39
36 Methyl Ethyl Ketone	72	10.367	10.367	(0.961)	697854	40.0000	38
* 37 Bromochloromethane	128	10.790	10.785	(1.000)	610412	10.0000	
38 Tetrahydrofuran	42	10.785	10.785	(0.838)	1008581	40.0000	34
39 Chloroform	83	10.929	10.929	(1.013)	4842789	40.0000	37
40 Cyclohexane	84	11.175	11.175	(0.869)	2417287	40.0000	35
41 1,1,1-Trichloroethane	97	11.218	11.213	(0.872)	5687905	40.0000	35
42 Carbon tetrachloride	117	11.475	11.464	(0.892)	7264581	40.0000	37
43 2,2,4-Trimethylpentane	57	11.946	11.940	(0.928)	7107839	40.0000	31
44 Benzene	78	11.967	11.962	(0.930)	6205956	40.0000	33
45 1,2-Dichloroethane	62	12.165	12.160	(0.946)	3366666	40.0000	35
46 n-Heptane	43	12.363	12.352	(0.961)	2374704	40.0000	29
* 47 1,4-Difluorobenzene	114	12.866	12.860	(1.000)	3221399	10.0000	
48 n-Butanol	56	13.272	13.278	(1.032)	1099390	40.0000	39
49 Trichloroethene	95	13.347	13.342	(1.037)	4493034	40.0000	40
50 1,2-Dichloropropane	63	13.941	13.936	(1.084)	3210965	40.0000	36
51 Methyl methacrylate	69	14.128	14.128	(1.098)	3009049	40.0000	40(A)
52 Dibromomethane	174	14.203	14.198	(1.104)	5309865	40.0000	49(AQ)
53 1,4-Dioxane	88	14.171	14.171	(1.101)	1296248	40.0000	38
54 Bromodichloromethane	83	14.513	14.508	(1.128)	7978128	40.0000	41(A)
55 1,3-Dichloropropene (cis)	75	15.482	15.476	(1.203)	5586494	40.0000	41(A)
56 Methyl isobutyl ketone	43	15.787	15.781	(1.227)	4373921	40.0000	34
57 n-Octane	43	16.150	16.151	(1.255)	4140529	40.0000	30
58 Toluene	92	16.086	16.086	(0.846)	7091537	40.0000	39
59 1,3-Dichloropropene (trans)	75	16.696	16.696	(1.298)	5812291	40.0000	41(A)
60 1,1,2-Trichloroethane	83	17.076	17.071	(0.898)	3818971	40.0000	36
61 Tetrachloroethene	166	17.178	17.178	(0.903)	7759482	40.0000	46(A)

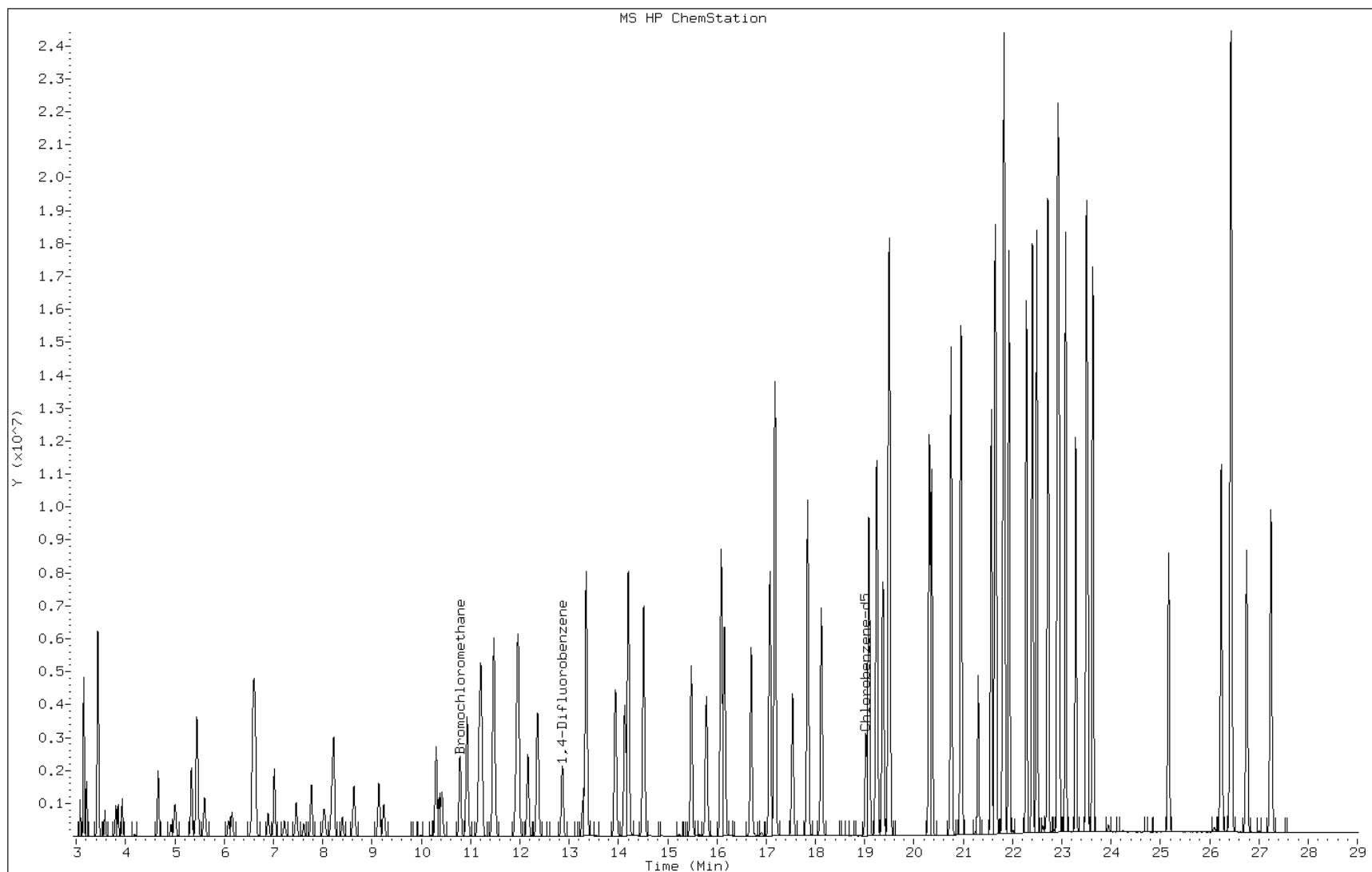
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	17.536	17.531	(0.922)	4183160	40.0000	37
63 Dibromochloromethane	129	17.841	17.841	(0.938)	9900642	40.0000	44(A)
64 1,2-Dibromoethane	107	18.119	18.119	(0.952)	7864581	40.0000	42(A)
* 65 Chlorobenzene-d5	117	19.023	19.023	(1.000)	3122948	10.0000	
66 Chlorobenzene	112	19.087	19.082	(1.003)	10214224	40.0000	41(A)
67 n-Nonane	57	19.371	19.366	(1.018)	4990738	40.0000	30
68 Ethylbenzene	91	19.243	19.237	(1.012)	15098425	40.0000	39
69 Xylene (m,p)	106	19.499	19.494	(1.025)	11760229	80.0000	78(Q)
M 70 Xylenes, Total	106				17972123	40.0000	120
71 Xylene (o)	106	20.313	20.307	(1.068)	6211894	40.0000	41(A)
72 Styrene	104	20.361	20.355	(1.070)	9546385	40.0000	45(A)
73 Bromoform	173	20.751	20.751	(1.091)	11057350	40.0000	50(A)
74 Isopropylbenzene	105	20.954	20.955	(1.102)	16766317	40.0000	39
75 1,1,2,2-Tetrachloroethane	83	21.570	21.564	(1.134)	9019580	40.0000	34
76 n-Propylbenzene	91	21.645	21.639	(1.138)	17479774	40.0000	35
77 1,2,3-Trichloropropane	75	21.666	21.661	(1.139)	5777034	40.0000	32
78 n-Decane	57	21.805	21.805	(1.146)	3893155	40.0000	22
79 4-Ethyltoluene	105	21.826	21.821	(1.147)	12585522	40.0000	31
80 2-Chlorotoluene	91	21.837	21.827	(1.148)	10195915	40.0000	29
81 1,3,5-Trimethylbenzene	105	21.928	21.923	(1.153)	14070874	40.0000	39
82 Alpha Methyl Styrene	118	22.281	22.276	(1.171)	7415269	40.0000	47(A)
83 tert-butylbenzene	119	22.404	22.399	(1.178)	13734305	40.0000	39
84 1,2,4-Trimethylbenzene	105	22.490	22.490	(1.182)	13771035	40.0000	39
85 sec-Butylbenzene	105	22.715	22.715	(1.194)	18849496	40.0000	36
86 4-Isopropyltoluene	119	22.912	22.913	(1.204)	16099379	40.0000	38
87 1,3-Dichlorobenzene	146	22.939	22.939	(1.206)	10993398	40.0000	50(A)
88 1,4-Dichlorobenzene	146	23.078	23.073	(1.213)	10833855	40.0000	54(A)
89 Benzyl chloride	91	23.282	23.282	(1.224)	11757283	40.0000	53(A)
90 Undecane	57	23.522	23.517	(1.236)	4840890	40.0000	25
91 n-Butylbenzene	91	23.496	23.496	(1.235)	12317519	40.0000	34
92 1,2-Dichlorobenzene	146	23.629	23.624	(1.242)	10775128	40.0000	49(A)
93 Dodecane	57	25.165	25.165	(1.323)	4724515	40.0000	34
94 1,2,4-Trichlorobenzene	180	26.235	26.235	(1.379)	6308533	40.0000	62(A)
95 1,3-Hexachlorobutadiene	225	26.433	26.433	(1.389)	9709192	40.0000	48(A)
96 Naphthalene	128	26.748	26.748	(1.406)	12397708	40.0000	53(A)
97 1,2,3-Trichlorobenzene	180	27.246	27.246	(1.432)	6048415	40.0000	61(A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: gif14.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 504994
Lab Sample ID: IC 504994

Date: 10-JUL-2013 02:39
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-41199-1

SDG No.: _____

Lab Sample ID: CCVIS 200-58342/2 Calibration Date: 07/10/2013 16:01

Instrument ID: G.i Calib Start Date: 07/09/2013 21:09

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/10/2013 02:39

Lab File ID: gifa02.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	0.2105	0.1634		7.76	10.0	-22.4	30.0
Dichlorodifluoromethane	Ave	2.076	1.779		8.57	10.0	-14.3	30.0
Freon 22	Ave	0.7469	0.5910		7.91	10.0	-20.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.997	1.633		8.18	10.0	-18.2	30.0
Chloromethane	Ave	0.3531	0.2815		7.97	10.0	-20.3	30.0
n-Butane	Ave	0.4243	0.3423		8.07	10.0	-19.3	30.0
Vinyl chloride	Ave	0.4785	0.3804		7.95	10.0	-20.5	30.0
1,3-Butadiene	Ave	0.2774	0.2232		8.04	10.0	-19.6	30.0
Bromomethane	Ave	0.6974	0.6126		8.78	10.0	-12.1	30.0
Chloroethane	Ave	0.1762	0.1525		8.65	10.0	-13.5	30.0
Isopentane	Ave	0.3008	0.2334		7.76	10.0	-22.4	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8241	0.7556		9.17	10.0	-8.3	30.0
Trichlorofluoromethane	Ave	2.391	2.096		8.76	10.0	-12.3	30.0
n-Pentane	Ave	0.5158	0.4275		8.29	10.0	-17.1	30.0
Ethanol	Ave	0.1250	0.1021		12.3	15.0	-18.3	30.0
Ethyl ether	Ave	0.2791	0.2458		8.80	10.0	-11.9	30.0
Acrolein	Ave	0.1248	0.1181		9.46	10.0	-5.4	30.0
Freon TF	Ave	1.514	1.360		8.98	10.0	-10.2	30.0
1,1-Dichloroethene	Ave	0.6309	0.5601		8.88	10.0	-11.2	30.0
Acetone	Ave	0.5110	0.4109		8.04	10.0	-19.6	30.0
Carbon disulfide	Ave	1.737	1.540		8.86	10.0	-11.3	30.0
Isopropyl alcohol	Ave	0.3715	0.2911		7.83	10.0	-21.6	30.0
3-Chloropropene	Ave	0.3492	0.2956		8.46	10.0	-15.4	30.0
Acetonitrile	Ave	0.2054	0.1697		8.26	10.0	-17.4	30.0
Methylene Chloride	Ave	0.4467	0.3751		8.39	10.0	-16.0	30.0
tert-Butyl alcohol	Ave	0.7605	0.5880		7.73	10.0	-22.7	30.0
Methyl tert-butyl ether	Ave	1.441	1.296		9.00	10.0	-10.0	30.0
trans-1,2-Dichloroethene	Ave	0.7402	0.6390		8.63	10.0	-13.7	30.0
Acrylonitrile	Ave	0.2524	0.2171		8.60	10.0	-14.0	30.0
n-Hexane	Ave	0.5797	0.4957		8.55	10.0	-14.5	30.0
1,1-Dichloroethane	Ave	1.059	0.9022		8.51	10.0	-14.8	30.0
Vinyl acetate	Ave	0.8805	0.7702		8.75	10.0	-12.5	30.0
cis-1,2-Dichloroethene	Ave	0.9268	0.8442		9.11	10.0	-8.9	30.0
Methyl Ethyl Ketone	Ave	0.3015	0.2735		9.07	10.0	-9.3	30.0
Ethyl acetate	Ave	0.0515	0.0494		9.58	10.0	-4.2	30.0
Tetrahydrofuran	Ave	0.0917	0.0736		8.03	10.0	-19.7	30.0
Chloroform	Ave	2.125	1.930		9.08	10.0	-9.2	30.0
Cyclohexane	Ave	0.2162	0.1933		8.94	10.0	-10.6	30.0
1,1,1-Trichloroethane	Ave	0.5045	0.4368		8.66	10.0	-13.4	30.0
Carbon tetrachloride	Ave	0.6119	0.5442		8.89	10.0	-11.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-41199-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-58342/2 Calibration Date: 07/10/2013 16:01
 Instrument ID: G.i Calib Start Date: 07/09/2013 21:09
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/10/2013 02:39
 Lab File ID: gifa02.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7181	0.5968		8.31	10.0	-16.9	30.0
Benzene	Ave	0.5926	0.5172		8.73	10.0	-12.7	30.0
1,2-Dichloroethane	Ave	0.3001	0.2510		8.36	10.0	-16.4	30.0
n-Heptane	Ave	0.2534	0.1928		7.61	10.0	-23.9	30.0
n-Butanol	Ave	0.0886	0.0513		5.79	10.0	-42.1*	30.0
Trichloroethene	Ave	0.3489	0.3432		9.84	10.0	-1.6	30.0
1,2-Dichloropropane	Ave	0.2770	0.2541		9.17	10.0	-8.3	30.0
Methyl methacrylate	Ave	0.2323	0.2271		9.77	10.0	-2.2	30.0
1,4-Dioxane	Ave	0.1072	0.0935		8.72	10.0	-12.8	30.0
Dibromomethane	Ave	0.3367	0.3580		10.6	10.0	6.3	30.0
Bromodichloromethane	Ave	0.6108	0.5868		9.61	10.0	-3.9	30.0
cis-1,3-Dichloropropene	Ave	0.4209	0.4118		9.78	10.0	-2.2	30.0
methyl isobutyl ketone	Ave	0.3991	0.3448		8.64	10.0	-13.6	30.0
Toluene	Ave	0.5815	0.5672		9.75	10.0	-2.5	30.0
n-Octane	Ave	0.4277	0.3573		8.35	10.0	-16.5	30.0
trans-1,3-Dichloropropene	Ave	0.4415	0.4153		9.40	10.0	-5.9	30.0
1,1,2-Trichloroethane	Ave	0.3355	0.3140		9.36	10.0	-6.4	30.0
Tetrachloroethene	Ave	0.5382	0.5471		10.2	10.0	1.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3606	0.3077		8.53	10.0	-14.7	30.0
Dibromochloromethane	Ave	0.7209	0.7285		10.1	10.0	1.1	30.0
1,2-Dibromoethane	Ave	0.5942	0.5860		9.86	10.0	-1.4	30.0
Chlorobenzene	Ave	0.7896	0.7767		9.84	10.0	-1.6	30.0
Ethylbenzene	Ave	1.248	1.198		9.60	10.0	-4.0	30.0
n-Nonane	Ave	0.5317	0.4532		8.52	10.0	-14.8	30.0
m,p-Xylene	Ave	0.4820	0.4791		19.9	20.0	-0.6	30.0
Xylene, o-	Ave	0.4845	0.4767		9.84	10.0	-1.6	30.0
Styrene	Ave	0.6762	0.6928		10.2	10.0	2.5	30.0
Bromoform	Ave	0.7057	0.7309		10.4	10.0	3.6	30.0
Cumene	Ave	1.377	1.330		9.65	10.0	-3.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8485	0.7766		9.15	10.0	-8.5	30.0
n-Propylbenzene	Ave	1.619	1.542		9.52	10.0	-4.8	30.0
1,2,3-Trichloropropane	Ave	0.5819	0.5146		8.84	10.0	-11.6	30.0
n-Decane	Ave	0.5685	0.4873		8.57	10.0	-14.3	30.0
4-Ethyltoluene	Ave	1.283	1.279		9.96	10.0	-0.3	30.0
2-Chlorotoluene	Ave	1.119	1.048		9.36	10.0	-6.4	30.0
1,3,5-Trimethylbenzene	Ave	1.163	1.098		9.44	10.0	-5.6	30.0
Alpha Methyl Styrene	Ave	0.5104	0.5370		10.5	10.0	5.2	30.0
tert-Butylbenzene	Ave	1.126	1.072		9.52	10.0	-4.8	30.0
1,2,4-Trimethylbenzene	Ave	1.126	1.074		9.54	10.0	-4.6	30.0
sec-Butylbenzene	Ave	1.694	1.606		9.47	10.0	-5.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-41199-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-58342/2 Calibration Date: 07/10/2013 16:01
 Instrument ID: G.i Calib Start Date: 07/09/2013 21:09
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 07/10/2013 02:39
 Lab File ID: gifa02.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	1.360	1.326		9.75	10.0	-2.5	30.0
1,3-Dichlorobenzene	Ave	0.7093	0.7013		9.89	10.0	-1.1	30.0
1,4-Dichlorobenzene	Ave	0.6440	0.6365		9.88	10.0	-1.2	30.0
Benzyl chloride	Ave	0.7110	0.7241		10.2	10.0	1.9	30.0
n-Butylbenzene	Ave	1.164	1.101		9.46	10.0	-5.4	30.0
n-Undecane	Ave	0.6291	0.5070		8.06	10.0	-19.4	30.0
1,2-Dichlorobenzene	Ave	0.6995	0.6782		9.69	10.0	-3.0	30.0
n-Dodecane	Ave	0.4412	0.1169			10.0	-73.5*	30.0
1,2,4-Trichlorobenzene	Ave	0.3268	0.2782		8.51	10.0	-14.9	30.0
Hexachlorobutadiene	Ave	0.6507	0.5629		8.65	10.0	-13.5	30.0
Naphthalene	Ave	0.7508	0.5765		7.68	10.0	-23.2	30.0
1,2,3-Trichlorobenzene	Ave	0.3188	0.2505		7.86	10.0	-21.4	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gifat15.b/gifat02.d
 Lab Smp Id: CCVIS 504995
 Inj Date : 10-JUL-2013 16:01
 Operator : pad
 Smp Info : CCVIS 504995
 Misc Info : CCVIS
 Comment :
 Method : /chem/G.i/Gsvr.p/gifat15.b/to15v5.m
 Meth Date : 12-Jul-2013 10:45 pd
 Cal Date : 10-JUL-2013 02:39
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: chemsvr6

Inst ID: G.i
 Quant Type: ISTD
 Cal File: gif14.d
 Continuing Calibration Sample
 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	0.00000	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		3.070	3.076	(0.285)	103188	10.0000	7.8
2 Dichlorodifluoromethane	85		3.145	3.151	(0.292)	1123612	10.0000	8.6
3 Chlorodifluoromethane	51		3.204	3.204	(0.297)	373254	10.0000	7.9
4 1,2-Dichloro-1,1,2,2-tetraflu	85		3.434	3.434	(0.319)	1031479	10.0000	8.2
5 Chloromethane	50		3.579	3.579	(0.332)	177800	10.0000	8.0
6 Butane	43		3.798	3.798	(0.352)	216215	10.0000	8.1
7 Vinyl chloride	62		3.846	3.846	(0.357)	240253	10.0000	7.9
8 1,3-Butadiene	54		3.926	3.932	(0.364)	140953	10.0000	8.0
9 Bromomethane	94		4.654	4.659	(0.432)	386940	10.0000	8.8
10 Chloroethane	64		4.911	4.916	(0.456)	96332	10.0000	8.7
11 2-Methylbutane	43		4.996	5.002	(0.464)	147409	10.0000	7.8
12 Vinyl bromide	106		5.328	5.333	(0.494)	477205	10.0000	9.2
13 Trichlorofluoromethane	101		5.440	5.446	(0.505)	1323707	10.0000	8.8
14 Pentane	43		5.590	5.596	(0.519)	270019	10.0000	8.3

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	6.066	6.077	(0.563)	96778	15.0000	12
16 Ethyl ether	59	6.157	6.157	(0.571)	155254	10.0000	8.8
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.585	6.591	(0.611)	858896	10.0000	9.0
18 Acrolein	56	6.558	6.564	(0.608)	74583	10.0000	9.5
19 1,1-Dichloroethene	96	6.623	6.628	(0.614)	353785	10.0000	8.9
20 Acetone	43	6.885	6.885	(0.639)	259529	10.0000	8.0
21 Carbon disulfide	76	7.013	7.013	(0.651)	972502	10.0000	8.9
22 Isopropanol	45	7.211	7.211	(0.669)	183848	10.0000	7.8
23 Allyl chloride	41	7.452	7.463	(0.691)	186667	10.0000	8.5
24 Acetonitrile	41	7.602	7.607	(0.705)	107192	10.0000	8.3
25 Methylene chloride	49	7.762	7.768	(0.720)	236910	10.0000	8.4
26 Tert-butyl alcohol	59	8.014	8.019	(0.743)	371403	10.0000	7.7
27 Methyl tert-butyl ether	73	8.190	8.196	(0.760)	818854	10.0000	9.0
28 1,2-Dichloroethene (trans)	61	8.217	8.222	(0.762)	403606	10.0000	8.6
29 Acrylonitrile	53	8.393	8.393	(0.779)	137095	10.0000	8.6
30 n-Hexane	57	8.623	8.629	(0.800)	313080	10.0000	8.5
31 1,1-Dichloroethane	63	9.132	9.137	(0.847)	569860	10.0000	8.5
32 Vinyl acetate	43	9.228	9.233	(0.856)	486487	10.0000	8.7
M 33 1,2-Dichloroethene,Total	61				936831	20.0000	18
34 1,2-Dichloroethene (cis)	96	10.293	10.298	(0.955)	533225	10.0000	9.1
35 Ethyl acetate	88	10.416	10.410	(0.966)	31186	10.0000	9.6
36 Methyl Ethyl Ketone	72	10.357	10.367	(0.961)	172752	10.0000	9.1(Q)
* 37 Bromochloromethane	128	10.779	10.785	(1.000)	631725	10.0000	
38 Tetrahydrofuran	42	10.779	10.785	(0.839)	241179	10.0000	8.0
39 Chloroform	83	10.918	10.929	(1.013)	1218791	10.0000	9.1
40 Cyclohexane	84	11.170	11.175	(0.869)	633191	10.0000	8.9
41 1,1,1-Trichloroethane	97	11.207	11.213	(0.872)	1430454	10.0000	8.7
42 Carbon tetrachloride	117	11.459	11.464	(0.891)	1782174	10.0000	8.9
43 2,2,4-Trimethylpentane	57	11.935	11.940	(0.928)	1954355	10.0000	8.3
44 Benzene	78	11.962	11.962	(0.930)	1693666	10.0000	8.7
45 1,2-Dichloroethane	62	12.154	12.160	(0.945)	821913	10.0000	8.4
46 n-Heptane	43	12.352	12.352	(0.961)	631469	10.0000	7.6
* 47 1,4-Difluorobenzene	114	12.855	12.860	(1.000)	3275602	10.0000	
48 n-Butanol	56	13.272	13.278	(1.032)	168019	10.0000	5.8
49 Trichloroethene	95	13.336	13.342	(1.037)	1123957	10.0000	9.8
50 1,2-Dichloropropane	63	13.936	13.936	(1.084)	832224	10.0000	9.2
51 Methyl methacrylate	69	14.118	14.128	(1.098)	743794	10.0000	9.8
52 Dibromomethane	174	14.192	14.198	(1.104)	1172411	10.0000	11
53 1,4-Dioxane	88	14.166	14.171	(1.102)	306068	10.0000	8.7
54 Bromodichloromethane	83	14.503	14.508	(1.128)	1921880	10.0000	9.6
55 1,3-Dichloropropene (cis)	75	15.471	15.476	(1.204)	1348654	10.0000	9.8
56 Methyl isobutyl ketone	43	15.781	15.781	(1.228)	1129076	10.0000	8.6
57 n-Octane	43	16.150	16.151	(1.256)	1170111	10.0000	8.4
58 Toluene	92	16.081	16.086	(0.846)	1754776	10.0000	9.8
59 1,3-Dichloropropene (trans)	75	16.685	16.696	(1.298)	1360138	10.0000	9.4
60 1,1,2-Trichloroethane	83	17.071	17.071	(0.898)	971311	10.0000	9.4
61 Tetrachloroethene	166	17.172	17.178	(0.903)	1692437	10.0000	10

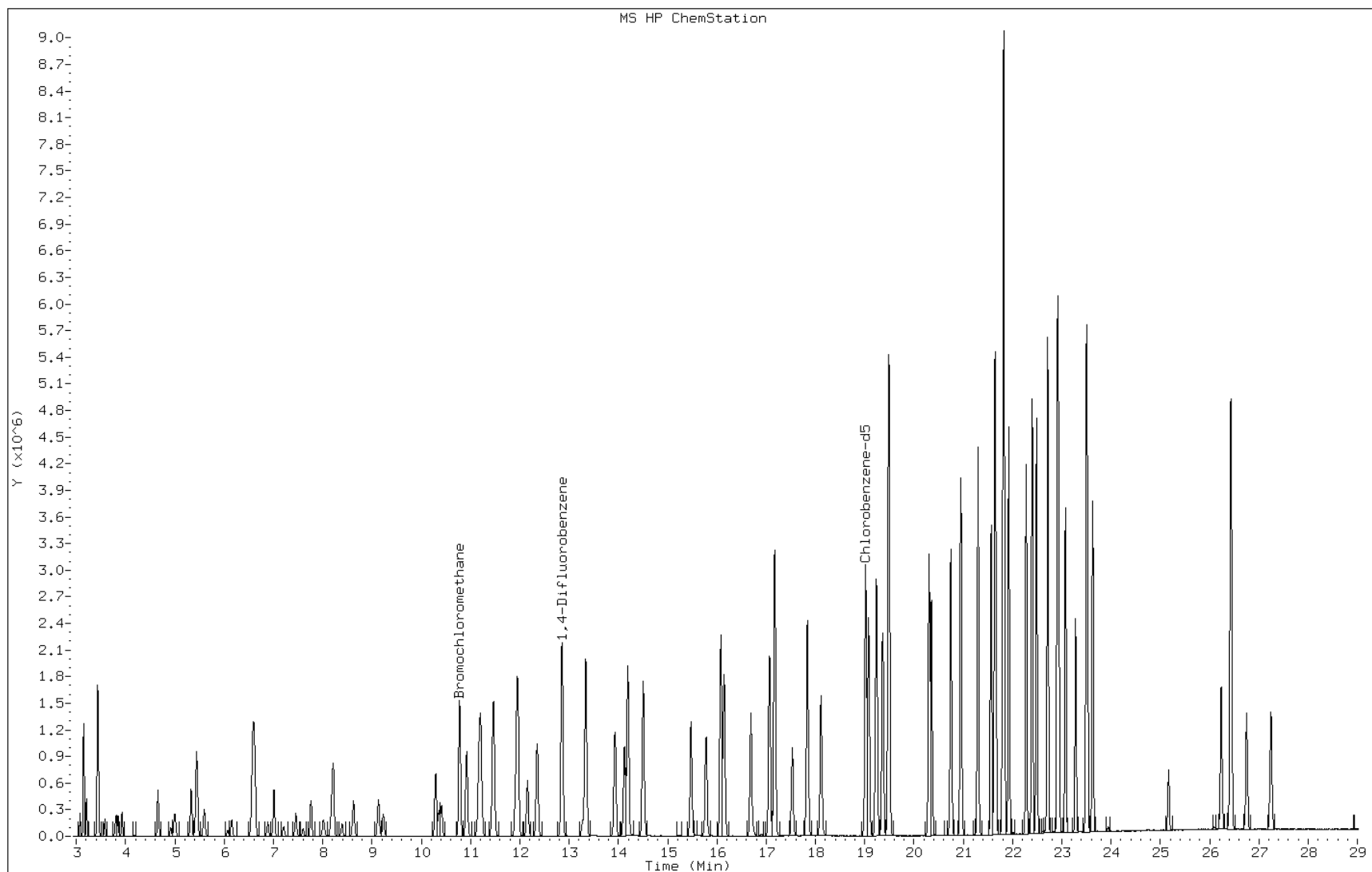
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	17.531	17.531	(0.922)	951865	10.0000	8.5
63 Dibromochloromethane	129	17.836	17.841	(0.938)	2253911	10.0000	10
64 1,2-Dibromoethane	107	18.114	18.119	(0.952)	1812917	10.0000	9.9
* 65 Chlorobenzene-d5	117	19.018	19.023	(1.000)	3094348	10.0000	
66 Chlorobenzene	112	19.077	19.082	(1.003)	2402971	10.0000	9.8
67 n-Nonane	57	19.366	19.366	(1.018)	1401965	10.0000	8.5
68 Ethylbenzene	91	19.237	19.237	(1.012)	3705975	10.0000	9.6
69 Xylene (m,p)	106	19.489	19.494	(1.025)	2964334	20.0000	20
M 70 Xylenes, Total	106				4439159	10.0000	30
71 Xylene (o)	106	20.307	20.307	(1.068)	1474825	10.0000	9.8
72 Styrene	104	20.355	20.355	(1.070)	2143398	10.0000	10
73 Bromoform	173	20.746	20.751	(1.091)	2261138	10.0000	10
74 Isopropylbenzene	105	20.949	20.955	(1.102)	4114433	10.0000	9.7
75 1,1,2,2-Tetrachloroethane	83	21.564	21.564	(1.134)	2402610	10.0000	9.2
76 n-Propylbenzene	91	21.639	21.639	(1.138)	4770803	10.0000	9.5
77 1,2,3-Trichloropropane	75	21.661	21.661	(1.139)	1592138	10.0000	8.8
78 n-Decane	57	21.805	21.805	(1.147)	1507489	10.0000	8.6
79 4-Ethyltoluene	105	21.821	21.821	(1.147)	3955710	10.0000	10
80 2-Chlorotoluene	91	21.826	21.827	(1.148)	3242893	10.0000	9.4
81 1,3,5-Trimethylbenzene	105	21.923	21.923	(1.153)	3396941	10.0000	9.4
82 Alpha Methyl Styrene	118	22.276	22.276	(1.171)	1661441	10.0000	11
83 tert-butylbenzene	119	22.399	22.399	(1.178)	3316046	10.0000	9.5
84 1,2,4-Trimethylbenzene	105	22.490	22.490	(1.183)	3323096	10.0000	9.5
85 sec-Butylbenzene	105	22.715	22.715	(1.194)	4967655	10.0000	9.5
86 4-Isopropyltoluene	119	22.912	22.913	(1.205)	4102230	10.0000	9.7
87 1,3-Dichlorobenzene	146	22.939	22.939	(1.206)	2169614	10.0000	9.9
88 1,4-Dichlorobenzene	146	23.073	23.073	(1.213)	1969071	10.0000	9.9
89 Benzyl chloride	91	23.282	23.282	(1.224)	2240276	10.0000	10
90 Undecane	57	23.517	23.517	(1.237)	1568370	10.0000	8.1
91 n-Butylbenzene	91	23.496	23.496	(1.235)	3407386	10.0000	9.5
92 1,2-Dichlorobenzene	146	23.624	23.624	(1.242)	2098080	10.0000	9.7
93 Dodecane	57	25.170	25.165	(1.323)	361654	10.0000	2.6(a)
94 1,2,4-Trichlorobenzene	180	26.235	26.235	(1.379)	860558	10.0000	8.5
95 1,3-Hexachlorobutadiene	225	26.433	26.433	(1.390)	1741356	10.0000	8.6
96 Naphthalene	128	26.748	26.748	(1.406)	1783571	10.0000	7.7
97 1,2,3-Trichlorobenzene	180	27.246	27.246	(1.433)	774897	10.0000	7.9

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: gifa02.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: CCVIS 504995
Lab Sample ID: CCVIS 504995

Date: 10-JUL-2013 16:01
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

Data file : /chem/G.i/Gsvr.p/gift15.b/gif04.d
 Lab Smp Id: BFB Client Smp ID: BFB
 Inj Date : 09-JUL-2013 18:47
 Operator : wrd Inst ID: G.i
 Smp Info : BFB
 Misc Info : BFB
 Comment :
 Method : /chem/G.i/Gsvr.p/gift15.b/bfbto15.m
 Meth Date : 08-Aug-2011 11:23 jd1 Quant Type: ESTD
 Cal Date : 23-JUL-2003 17:23 Cal File: ai0005i4.d
 Als bottle: 1 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: AIR

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

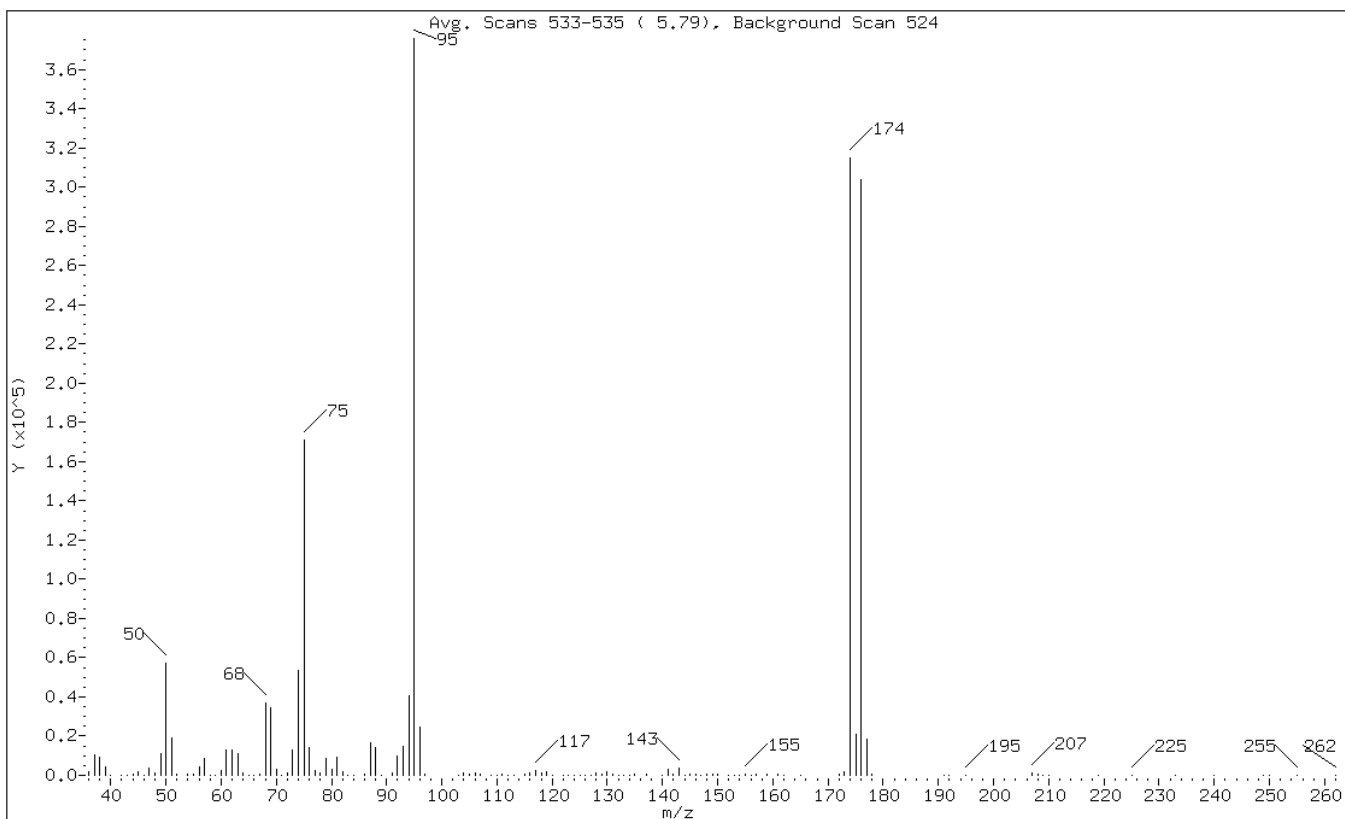
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 bfb					CAS #: 460-00-4				
5.788	5.900	-0.112	95	375829			100.00-	100.00	100.00
5.788	5.900	-0.112	50	57350			8.00-	40.00	15.26
5.788	5.900	-0.112	75	171175			30.00-	66.00	45.55
5.788	5.900	-0.112	96	24382			5.00-	9.00	6.49
5.788	5.900	-0.112	173	1562			0.00-	2.00	0.50
5.788	5.900	-0.112	174	314666			50.00-	120.00	83.73
5.788	5.900	-0.112	175	21000			4.00-	9.00	6.67
5.788	5.900	-0.112	176	303594			93.00-	101.00	96.48
5.788	5.900	-0.112	177	18536			5.00-	9.00	6.11

Data File: gif04.d
 Client ID: BFB
 Operator: wrd
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB
 1 bfb

Date: 09-JUL-2013 18:47
 Instrument: G.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	15.26
75	30.00 - 66.00% of mass 95	45.55
96	5.00 - 9.00% of mass 95	6.49
173	Less than 2.00% of mass 174	0.42 (0.50)
174	50.00 - 120.00% of mass 95	83.73
175	4.00 - 9.00% of mass 174	5.59 (6.67)
176	93.00 - 101.00% of mass 174	80.78 (96.48)
177	5.00 - 9.00% of mass 176	4.93 (6.11)

Data File: gif04.d
 Client ID: BFB
 Operator: wrd
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB

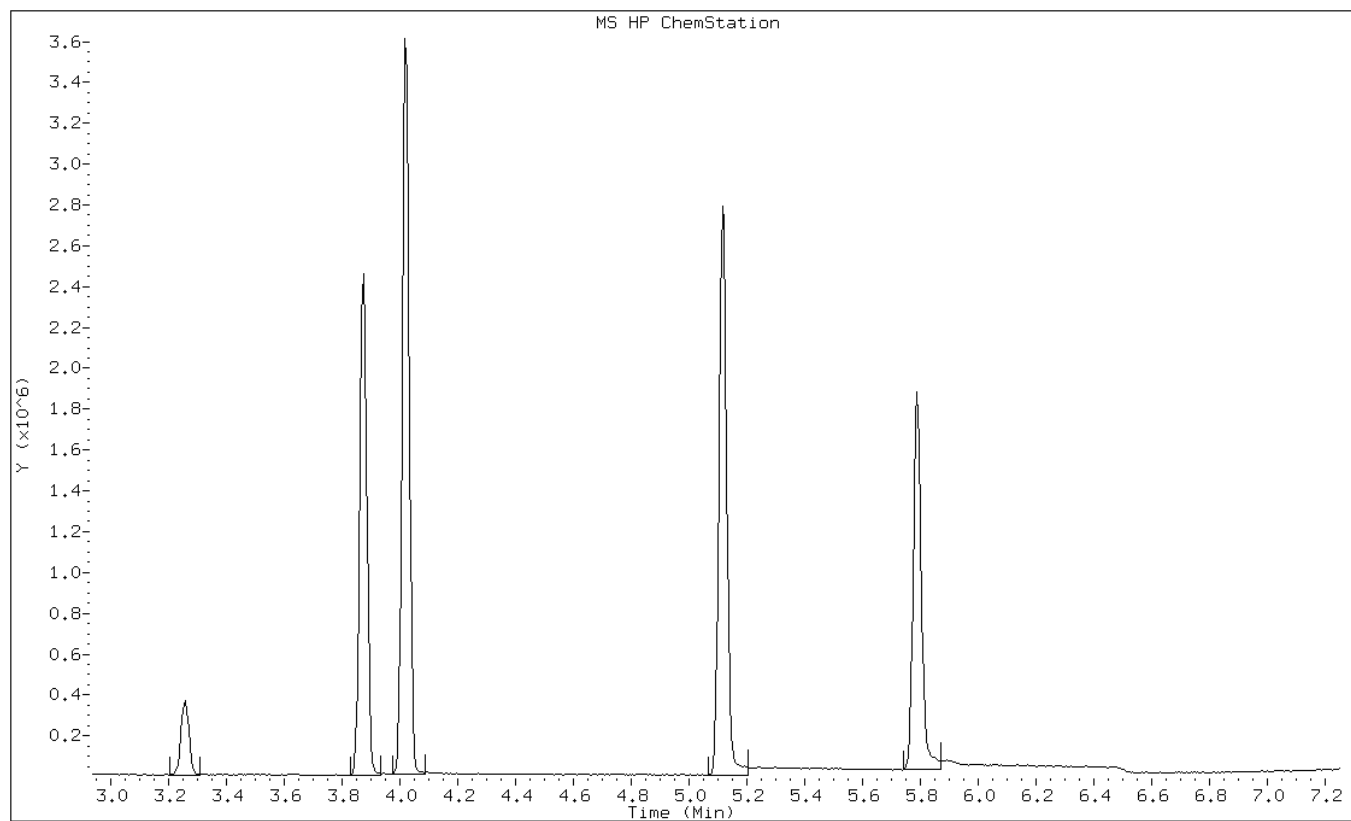
Date: 09-JUL-2013 18:47
 Instrument: G.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/G.i/Gsvr.p/gift15.b/gif04.d
 Spectrum: Avg. Scans 533-535 (5.79), Background Scan 524
 Location of Maximum: 95.00
 Number of points: 132

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1731	72.00	1513	115.00	432	154.00	273
37.00	10172	73.00	12976	116.00	984	155.00	878
38.00	9102	74.00	53456	117.00	2349	156.00	216
39.00	4140	75.00	171136	118.00	1136	157.00	566
40.00	70	76.00	14194	119.00	1716	159.00	478
42.00	127	77.00	2181	120.00	250	161.00	490
43.00	190	78.00	1287	122.00	54	162.00	136
44.00	862	79.00	8589	123.00	100	165.00	76
45.00	1941	80.00	3220	124.00	229	172.00	387
46.00	159	81.00	9124	125.00	78	173.00	1562
47.00	3576	82.00	2122	126.00	224	174.00	314624
48.00	1214	83.00	228	127.00	18	175.00	21000
49.00	11144	84.00	73	128.00	1273	176.00	303552
50.00	57344	86.00	394	129.00	821	177.00	18536
51.00	19024	87.00	16800	130.00	1567	178.00	718
52.00	480	88.00	13955	131.00	369	191.00	2
54.00	343	89.00	224	132.00	126	192.00	51
55.00	422	91.00	1280	133.00	61	195.00	272
56.00	4347	92.00	9680	134.00	189	207.00	1371
57.00	8782	93.00	14468	135.00	798	208.00	382
58.00	279	94.00	40536	137.00	616	209.00	32
59.00	153	95.00	375808	140.00	215	210.00	82
60.00	2428	96.00	24376	141.00	3314	219.00	165
61.00	13186	97.00	865	142.00	323	225.00	64
62.00	13202	103.00	150	143.00	3796	233.00	52
63.00	11049	104.00	1528	144.00	234	240.00	52
64.00	1247	105.00	758	145.00	337	249.00	176
65.00	244	106.00	1298	146.00	662	250.00	130
66.00	211	107.00	364	147.00	169	255.00	195
67.00	857	109.00	67	148.00	920	262.00	61
68.00	36904	110.00	194	149.00	557		
69.00	34344	111.00	399	150.00	372		
70.00	2847	112.00	139	152.00	148		
71.00	149	113.00	258	153.00	102		

Data File: gif04.d
Client ID: BFB
Operator: wrd
Column Type: RTX-624
Stationary Phase: BFB
Sample Info: BFB
Lab Sample ID: BFB

Date: 09-JUL-2013 18:47
Instrument: G.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



TestAmerica Burlington

Data file : /chem/G.i/Gsvr.p/gifat15.b/gifaf01.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 10-JUL-2013 15:17
Operator : pad Inst ID: G.i
Smp Info : BFB
Misc Info : BFB
Comment :
Method : /chem/G.i/Gsvr.p/gifat15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:23 jd1 Quant Type: ESTD
Cal Date : 23-JUL-2003 17:23 Cal File: ai0005i4.d
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

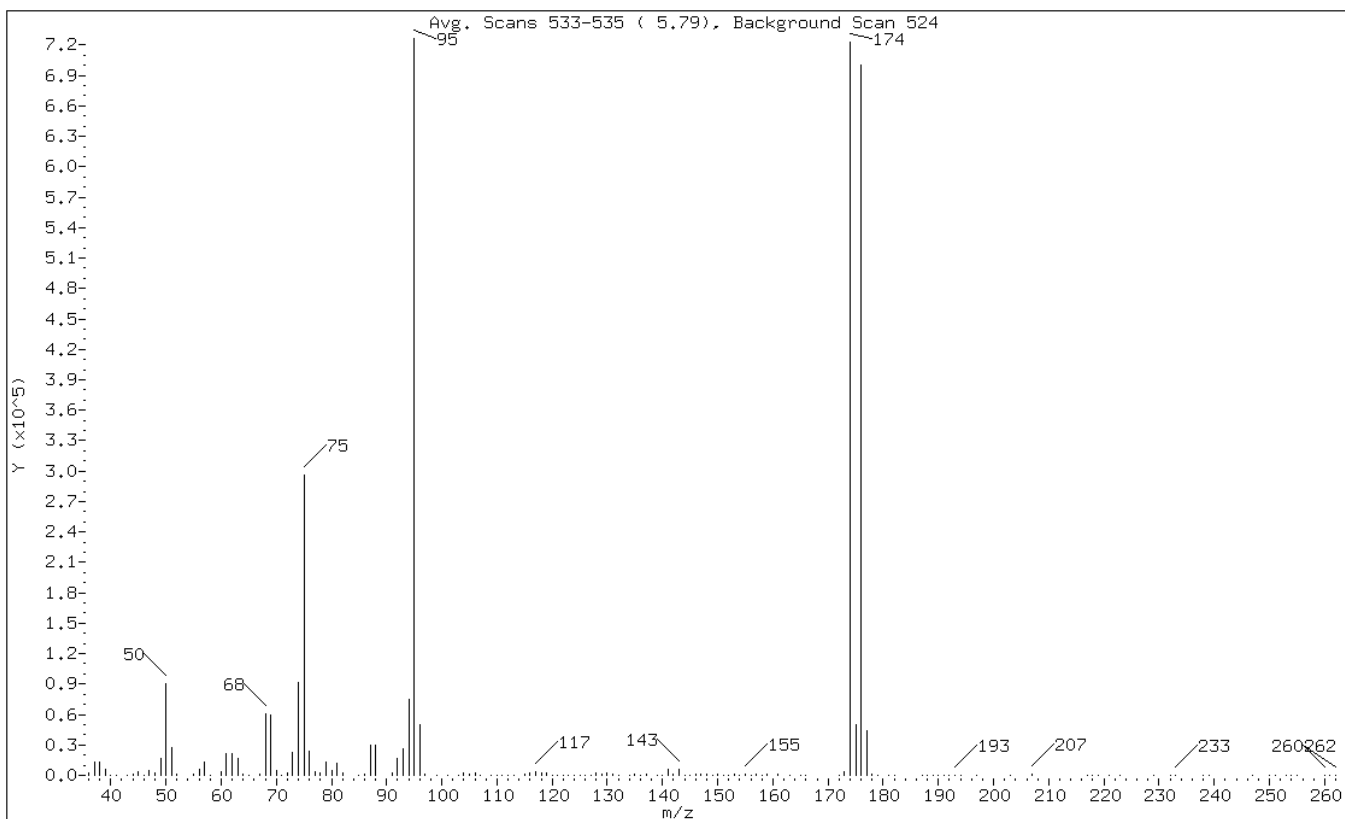
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
				ON-COL		FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1 bfb				CAS #: 460-00-4					
5.788	5.900	-0.112	95	726471			100.00- 100.00	100.00	
5.788	5.900	-0.112	50	90512			8.00- 40.00	12.46	
5.788	5.900	-0.112	75	296521			30.00- 66.00	40.82	
5.788	5.900	-0.112	96	50205			5.00- 9.00	6.91	
5.788	5.900	-0.112	173	3626			0.00- 2.00	0.50	
5.788	5.900	-0.112	174	722453			50.00- 120.00	99.45	
5.788	5.900	-0.112	175	49704			4.00- 9.00	6.88	
5.788	5.900	-0.112	176	700309			93.00- 101.00	96.93	
5.788	5.900	-0.112	177	44059			5.00- 9.00	6.29	

Data File: gifa01.d
 Client ID: BFB
 Operator: pad
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB
 1 bfb

Date: 10-JUL-2013 15:17
 Instrument: G.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	12.46
75	30.00 - 66.00% of mass 95	40.82
96	5.00 - 9.00% of mass 95	6.91
173	Less than 2.00% of mass 174	0.50 (0.50)
174	50.00 - 120.00% of mass 95	99.45
175	4.00 - 9.00% of mass 174	6.84 (6.88)
176	93.00 - 101.00% of mass 174	96.40 (96.93)
177	5.00 - 9.00% of mass 176	6.06 (6.29)

Data File: gifa01.d
 Client ID: BFB
 Operator: pad
 Column Type:
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB

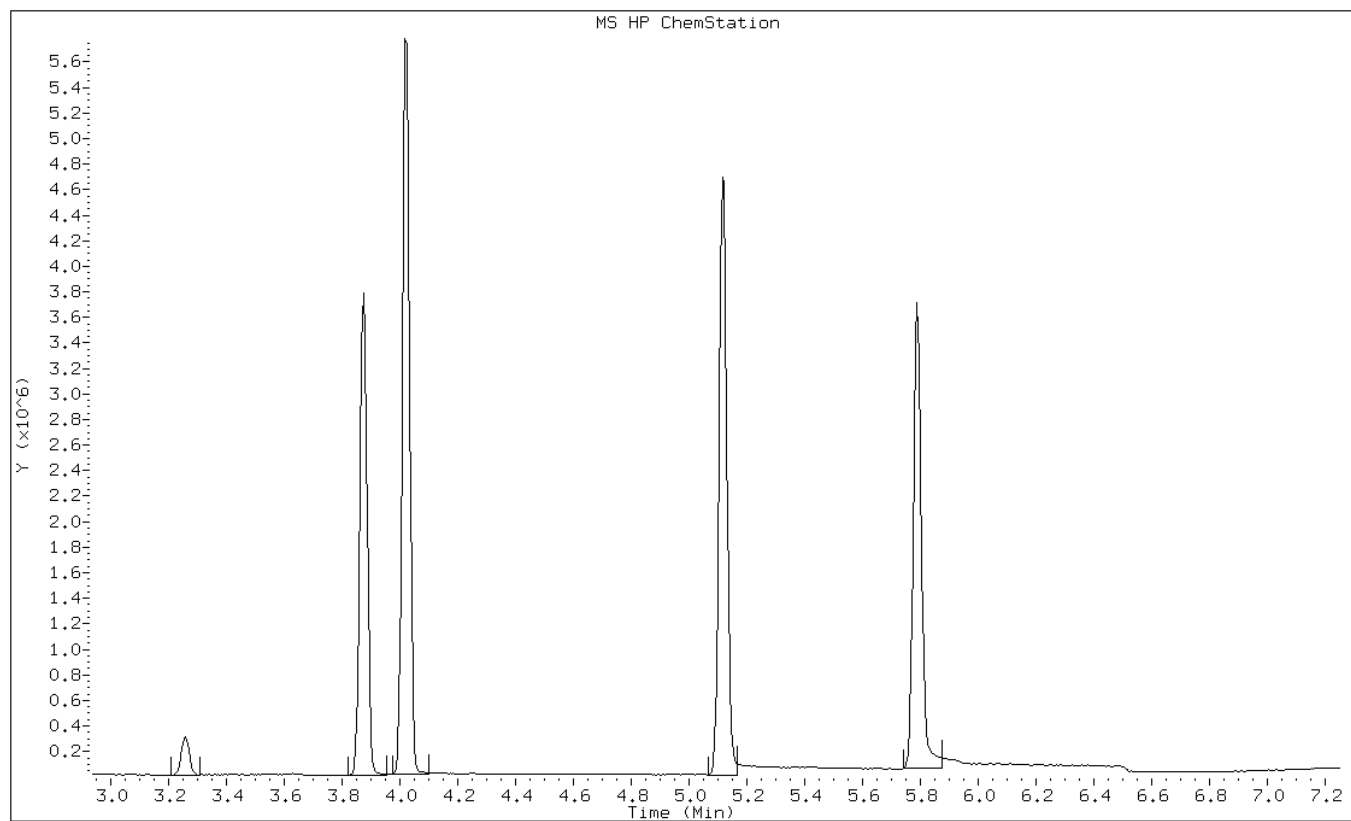
Date: 10-JUL-2013 15:17
 Instrument: G.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/G.i/Gsvr.p/gifat15.b/gifa01.d
 Spectrum: Avg. Scans 533-535 (5.79), Background Scan 524
 Location of Maximum: 95.00
 Number of points: 152

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2692	80.00	5213	128.00	2633	177.00	44056
37.00	13454	81.00	12428	129.00	1038	178.00	1579
38.00	12524	82.00	2851	130.00	2739	179.00	161
39.00	5458	85.00	50	131.00	956	181.00	112
40.00	388	86.00	692	132.00	170	182.00	76
41.00	6	87.00	29680	134.00	419	187.00	107
43.00	111	88.00	29504	135.00	977	188.00	99
44.00	1650	91.00	1959	136.00	430	189.00	53
45.00	3435	92.00	16381	137.00	1104	190.00	51
46.00	274	93.00	25952	139.00	247	191.00	260
47.00	5274	94.00	74920	140.00	512	192.00	233
48.00	2148	95.00	726464	141.00	5528	193.00	269
49.00	16608	96.00	50200	142.00	786	194.00	155
50.00	90512	97.00	1729	143.00	6361	197.00	52
51.00	26800	99.00	82	144.00	325	203.00	123
52.00	678	101.00	62	145.00	393	207.00	1686
55.00	968	103.00	248	146.00	1034	217.00	128
56.00	6465	104.00	2715	147.00	651	218.00	130
57.00	12643	105.00	802	148.00	1725	219.00	81
58.00	552	106.00	2469	149.00	333	221.00	116
60.00	3685	107.00	517	150.00	784	223.00	15
61.00	20832	109.00	107	151.00	35	229.00	52
62.00	21216	110.00	180	152.00	313	232.00	60
63.00	16920	111.00	512	153.00	812	233.00	190
64.00	1668	112.00	394	154.00	546	238.00	62
65.00	331	113.00	408	155.00	1565	239.00	132
67.00	1406	115.00	840	156.00	59	247.00	146
68.00	60800	116.00	1888	157.00	1293	250.00	76
69.00	59464	117.00	3014	158.00	198	251.00	140
70.00	4595	118.00	2416	159.00	825	253.00	212
71.00	247	119.00	2573	161.00	883	254.00	2
72.00	2543	120.00	28	163.00	331	255.00	57
73.00	22696	121.00	72	165.00	51	260.00	581
74.00	91216	122.00	213	166.00	74	261.00	25
75.00	296512	123.00	240	172.00	532	262.00	234
76.00	24000	124.00	348	173.00	3626		
77.00	3602	125.00	200	174.00	722432		
78.00	1929	126.00	422	175.00	49704		
79.00	12600	127.00	347	176.00	700288		

Data File: gifa01.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 10-JUL-2013 15:17
Instrument: G.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.: 480-41199-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-58342/4

Matrix: Air Lab File ID: gifa04.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: _____ Date Analyzed: 07/10/2013 17:37

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.: 58342 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	0.20
74-87-3	Chloromethane	50.49	ND		0.50	0.50
75-01-4	Vinyl chloride	62.50	ND		0.20	0.20
106-99-0	1,3-Butadiene	54.09	ND		0.20	0.20
74-83-9	Bromomethane	94.94	ND		0.20	0.20
75-00-3	Chloroethane	64.52	ND		0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	ND		0.20	0.20
76-13-1	Freon TF	187.38	ND		0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	0.20
67-64-1	Acetone	58.08	ND		5.0	5.0
67-63-0	Isopropyl alcohol	60.10	ND		5.0	5.0
75-15-0	Carbon disulfide	76.14	ND		0.50	0.50
107-05-1	3-Chloropropene	76.53	ND		0.50	0.50
75-09-2	Methylene Chloride	84.93	ND		0.50	0.50
75-65-0	tert-Butyl alcohol	74.12	ND		5.0	5.0
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.20	0.20
110-54-3	n-Hexane	86.17	ND		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	ND		0.20	0.20
78-93-3	Methyl Ethyl Ketone	72.11	ND		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	ND		0.20	0.20
67-66-3	Chloroform	119.38	ND		0.20	0.20
109-99-9	Tetrahydrofuran	72.11	ND		5.0	5.0
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.20	0.20
110-82-7	Cyclohexane	84.16	ND		0.20	0.20
56-23-5	Carbon tetrachloride	153.81	ND		0.20	0.20
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	0.20
71-43-2	Benzene	78.11	ND		0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	0.20
142-82-5	n-Heptane	100.21	ND		0.20	0.20
79-01-6	Trichloroethene	131.39	ND		0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 480-41199-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-58342/4
 Matrix: Air Lab File ID: gifa04.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: _____ Date Analyzed: 07/10/2013 17:37
 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.: 58342 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.20
123-91-1	1,4-Dioxane	88.11	ND		5.0	5.0
75-27-4	Bromodichloromethane	163.83	ND		0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	0.20
108-10-1	methyl isobutyl ketone	100.16	ND		0.50	0.50
108-88-3	Toluene	92.14	ND		0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	0.20
127-18-4	Tetrachloroethene	165.83	ND		0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		0.50	0.50
124-48-1	Dibromochloromethane	208.29	ND		0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	ND		0.20	0.20
108-90-7	Chlorobenzene	112.30	ND		0.20	0.20
100-41-4	Ethylbenzene	106.17	ND		0.20	0.20
179601-23-1	m,p-Xylene	106.17	ND		0.50	0.50
95-47-6	Xylene, o-	106.17	ND		0.20	0.20
1330-20-7	Xylene (total)	106.17	ND		0.20	0.20
100-42-5	Styrene	104.15	ND		0.20	0.20
75-25-2	Bromoform	252.75	ND		0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	0.20
622-96-8	4-Ethyltoluene	120.20	ND		0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.20	0.20
95-49-8	2-Chlorotoluene	126.59	ND		0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	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
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.50	0.50
87-68-3	Hexachlorobutadiene	260.76	ND		0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 480-41199-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-58342/4

Matrix: Air Lab File ID: gifa04.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: _____ Date Analyzed: 07/10/2013 17:37

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.: 58342 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		2.5	2.5
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	1.4
74-87-3	Chloromethane	50.49	ND		1.0	1.0
75-01-4	Vinyl chloride	62.50	ND		0.51	0.51
106-99-0	1,3-Butadiene	54.09	ND		0.44	0.44
74-83-9	Bromomethane	94.94	ND		0.78	0.78
75-00-3	Chloroethane	64.52	ND		1.3	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.87
75-69-4	Trichlorofluoromethane	137.37	ND		1.1	1.1
76-13-1	Freon TF	187.38	ND		1.5	1.5
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.79
67-64-1	Acetone	58.08	ND		12	12
67-63-0	Isopropyl alcohol	60.10	ND		12	12
75-15-0	Carbon disulfide	76.14	ND		1.6	1.6
107-05-1	3-Chloropropene	76.53	ND		1.6	1.6
75-09-2	Methylene Chloride	84.93	ND		1.7	1.7
75-65-0	tert-Butyl alcohol	74.12	ND		15	15
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.79
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.81
78-93-3	Methyl Ethyl Ketone	72.11	ND		1.5	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	ND		0.79	0.79
67-66-3	Chloroform	119.38	ND		0.98	0.98
109-99-9	Tetrahydrofuran	72.11	ND		15	15
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	1.1
110-82-7	Cyclohexane	84.16	ND		0.69	0.69
56-23-5	Carbon tetrachloride	153.81	ND		1.3	1.3
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.93
71-43-2	Benzene	78.11	ND		0.64	0.64
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.81
142-82-5	n-Heptane	100.21	ND		0.82	0.82
79-01-6	Trichloroethene	131.39	ND		1.1	1.1

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

Lab Name: TestAmerica Burlington Job No.: 480-41199-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-58342/4
 Matrix: Air Lab File ID: gifa04.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: _____ Date Analyzed: 07/10/2013 17:37
 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.: 58342 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.92
123-91-1	1,4-Dioxane	88.11	ND		18	18
75-27-4	Bromodichloromethane	163.83	ND		1.3	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.91
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	2.0
108-88-3	Toluene	92.14	ND		0.75	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.91
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	1.1
127-18-4	Tetrachloroethene	165.83	ND		1.4	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	2.0
124-48-1	Dibromochloromethane	208.29	ND		1.7	1.7
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	1.5
108-90-7	Chlorobenzene	112.30	ND		0.92	0.92
100-41-4	Ethylbenzene	106.17	ND		0.87	0.87
179601-23-1	m,p-Xylene	106.17	ND		2.2	2.2
95-47-6	Xylene, o-	106.17	ND		0.87	0.87
1330-20-7	Xylene (total)	106.17	ND		0.87	0.87
100-42-5	Styrene	104.15	ND		0.85	0.85
75-25-2	Bromoform	252.75	ND		2.1	2.1
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	1.4
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.98
95-49-8	2-Chlorotoluene	126.59	ND		1.0	1.0
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.98
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
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	3.7
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	2.1

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gifat15.b/gifat04.d
 Lab Smp Id: MB
 Inj Date : 10-JUL-2013 17:37
 Operator : pad
 Smp Info : MB
 Misc Info : MB
 Comment :
 Method : /chem/G.i/Gsvr.p/gifat15.b/to15v5.m
 Meth Date : 12-Jul-2013 10:45 pd
 Cal Date : 10-JUL-2013 02:39
 Als bottle: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: chemsvr6

Inst ID: G.i
 Quant Type: ISTD
 Cal File: gif14.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	0.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS						CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE		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	3.803	3.798	(0.353)	9410		0.37215	0.37(a)
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 (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
15 Ethanol	45				Compound Not Detected.		
16 Ethyl ether	59				Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.		
18 Acrolein	56				Compound Not Detected.		
19 1,1-Dichloroethene	96				Compound Not Detected.		
20 Acetone	43	6.912	6.885	(0.641)	8736	0.28690	0.29(a)
21 Carbon disulfide	76				Compound Not Detected.		
22 Isopropanol	45				Compound Not Detected.		
23 Allyl chloride	41				Compound Not Detected.		
24 Acetonitrile	41				Compound Not Detected.		
25 Methylene chloride	49	7.757	7.768	(0.720)	1302	0.04891	0.049(a)
26 Tert-butyl alcohol	59				Compound Not Detected.		
27 Methyl tert-butyl ether	73				Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61				Compound Not Detected.		
29 Acrylonitrile	53				Compound Not Detected.		
30 n-Hexane	57	8.634	8.629	(0.801)	5287	0.15306	0.15(a)
31 1,1-Dichloroethane	63				Compound Not Detected.		
32 Vinyl acetate	43				Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61				Compound Not Detected.		
34 1,2-Dichloroethene (cis)	96				Compound Not Detected.		
35 Ethyl acetate	88				Compound Not Detected.		
36 Methyl Ethyl Ketone	72				Compound Not Detected.		
* 37 Bromochloromethane	128	10.779	10.785	(1.000)	595868	10.0000	
38 Tetrahydrofuran	42				Compound Not Detected.		
39 Chloroform	83				Compound Not Detected.		
40 Cyclohexane	84				Compound Not Detected.		
41 1,1,1-Trichloroethane	97				Compound Not Detected.		
42 Carbon tetrachloride	117				Compound Not Detected.		
43 2,2,4-Trimethylpentane	57	11.946	11.940	(0.929)	20100	0.09217	0.092(a)
44 Benzene	78				Compound Not Detected.		
45 1,2-Dichloroethane	62				Compound Not Detected.		
46 n-Heptane	43	12.358	12.352	(0.961)	6014	0.07816	0.078(a)
* 47 1,4-Difluorobenzene	114	12.855	12.860	(1.000)	3036968	10.0000	
48 n-Butanol	56				Compound Not Detected.		
49 Trichloroethene	95				Compound Not Detected.		
50 1,2-Dichloropropane	63				Compound Not Detected.		
51 Methyl methacrylate	69				Compound Not Detected.		
52 Dibromomethane	174				Compound Not Detected.		
53 1,4-Dioxane	88				Compound Not Detected.		
54 Bromodichloromethane	83				Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75				Compound Not Detected.		
56 Methyl isobutyl ketone	43				Compound Not Detected.		
57 n-Octane	43	16.135	16.151	(1.255)	5751	0.04428	0.044(a)
58 Toluene	92				Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75				Compound Not Detected.		
60 1,1,2-Trichloroethane	83				Compound Not Detected.		
61 Tetrachloroethene	166				Compound Not Detected.		

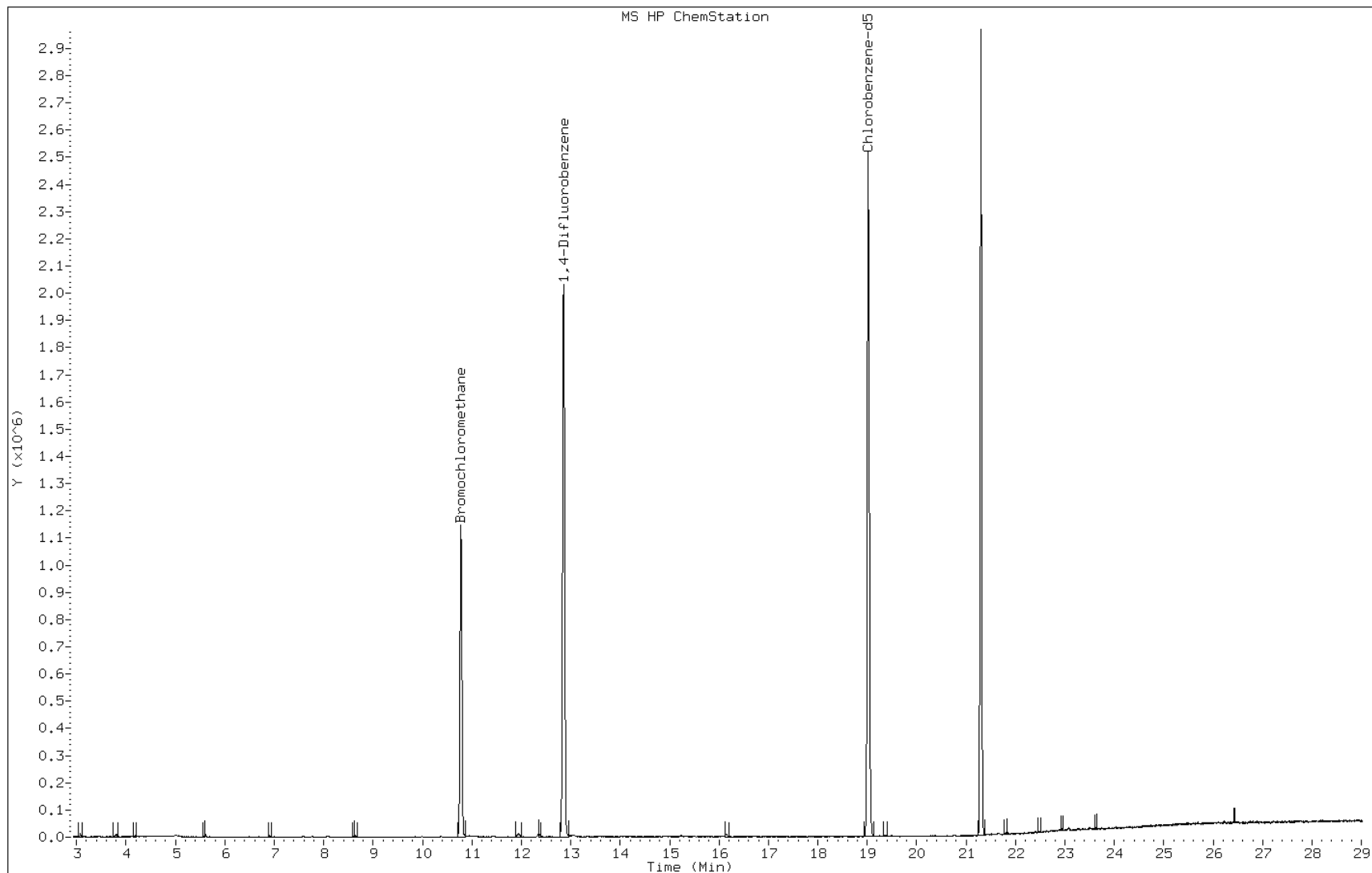
Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
62 2-Hexanone	43						Compound Not Detected.		
63 Dibromochloromethane	129						Compound Not Detected.		
64 1,2-Dibromoethane	107						Compound Not Detected.		
* 65 Chlorobenzene-d5	117	19.018	19.023	(1.000)		2641063		10.0000	
66 Chlorobenzene	112						Compound Not Detected.		
67 n-Nonane	57						Compound Not Detected.		
68 Ethylbenzene	91						Compound Not Detected.		
69 Xylene (m,p)	106						Compound Not Detected.		
M 70 Xylenes, Total	106						Compound Not Detected.		
71 Xylene (o)	106						Compound Not Detected.		
72 Styrene	104						Compound Not Detected.		
73 Bromoform	173						Compound Not Detected.		
74 Isopropylbenzene	105						Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83						Compound Not Detected.		
76 n-Propylbenzene	91						Compound Not Detected.		
77 1,2,3-Trichloropropane	75						Compound Not Detected.		
78 n-Decane	57						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.		
82 Alpha Methyl Styrene	118						Compound Not Detected.		
83 tert-butylbenzene	119						Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105						Compound Not Detected.		
85 sec-Butylbenzene	105						Compound Not Detected.		
86 4-Isopropyltoluene	119						Compound Not Detected.		
87 1,3-Dichlorobenzene	146						Compound Not Detected.		
88 1,4-Dichlorobenzene	146						Compound Not Detected.		
89 Benzyl chloride	91						Compound Not Detected.		
90 Undecane	57						Compound Not Detected.		
91 n-Butylbenzene	91						Compound Not Detected.		
92 1,2-Dichlorobenzene	146						Compound Not Detected.		
93 Dodecane	57						Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180						Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225						Compound Not Detected.		
96 Naphthalene	128						Compound Not Detected.		
97 1,2,3-Trichlorobenzene	180						Compound Not Detected.		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: gifa04.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: MB
Lab Sample ID: MB

Date: 10-JUL-2013 17:37
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



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

Lab Name: TestAmerica Burlington Job No.: 480-41199-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-58342/3
 Matrix: Air Lab File ID: gifa03.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: _____ Date Analyzed: 07/10/2013 16:48
 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.: 58342 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	8.74		0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	8.32		0.20	0.20
74-87-3	Chloromethane	50.49	8.03		0.50	0.50
75-01-4	Vinyl chloride	62.50	7.90		0.20	0.20
106-99-0	1,3-Butadiene	54.09	8.11		0.20	0.20
74-83-9	Bromomethane	94.94	8.47		0.20	0.20
75-00-3	Chloroethane	64.52	8.60		0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	106.96	9.31		0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	8.96		0.20	0.20
76-13-1	Freon TF	187.38	9.90		0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	9.82		0.20	0.20
67-64-1	Acetone	58.08	14.8		5.0	5.0
67-63-0	Isopropyl alcohol	60.10	8.42		5.0	5.0
75-15-0	Carbon disulfide	76.14	9.19		0.50	0.50
107-05-1	3-Chloropropene	76.53	8.63		0.50	0.50
75-09-2	Methylene Chloride	84.93	9.21		0.50	0.50
75-65-0	tert-Butyl alcohol	74.12	9.84		5.0	5.0
1634-04-4	Methyl tert-butyl ether	88.15	9.28		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	8.72		0.20	0.20
110-54-3	n-Hexane	86.17	8.79		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	8.70		0.20	0.20
78-93-3	Methyl Ethyl Ketone	72.11	10.1		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	9.53		0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	18.2		0.20	0.20
67-66-3	Chloroform	119.38	9.28		0.20	0.20
109-99-9	Tetrahydrofuran	72.11	8.23		5.0	5.0
71-55-6	1,1,1-Trichloroethane	133.41	8.87		0.20	0.20
110-82-7	Cyclohexane	84.16	9.12		0.20	0.20
56-23-5	Carbon tetrachloride	153.81	8.90		0.20	0.20
540-84-1	2,2,4-Trimethylpentane	114.23	8.47		0.20	0.20
71-43-2	Benzene	78.11	8.80		0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	8.50		0.20	0.20
142-82-5	n-Heptane	100.21	7.66		0.20	0.20
79-01-6	Trichloroethene	131.39	9.88		0.20	0.20

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

Lab Name: TestAmerica Burlington Job No.: 480-41199-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-58342/3
 Matrix: Air Lab File ID: gifa03.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: _____ Date Analyzed: 07/10/2013 16:48
 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.: 58342 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
78-87-5	1,2-Dichloropropane	112.99	9.10		0.20	0.20
123-91-1	1,4-Dioxane	88.11	8.92		5.0	5.0
75-27-4	Bromodichloromethane	163.83	9.93		0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	9.61		0.20	0.20
108-10-1	methyl isobutyl ketone	100.16	8.92		0.50	0.50
108-88-3	Toluene	92.14	9.58		0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	9.35		0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	8.96		0.20	0.20
127-18-4	Tetrachloroethene	165.83	9.78		0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.75		0.50	0.50
124-48-1	Dibromochloromethane	208.29	10.4		0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	9.74		0.20	0.20
108-90-7	Chlorobenzene	112.30	9.61		0.20	0.20
100-41-4	Ethylbenzene	106.17	9.45		0.20	0.20
179601-23-1	m,p-Xylene	106.17	19.4		0.50	0.50
95-47-6	Xylene, o-	106.17	9.62		0.20	0.20
1330-20-7	Xylene (total)	106.17	29.0		0.20	0.20
100-42-5	Styrene	104.15	9.12		0.20	0.20
75-25-2	Bromoform	252.75	10.6		0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	8.86		0.20	0.20
622-96-8	4-Ethyltoluene	120.20	10.2		0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	9.30		0.20	0.20
95-49-8	2-Chlorotoluene	126.59	9.73		0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	9.27		0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	9.82		0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	9.82		0.20	0.20
95-50-1	1,2-Dichlorobenzene	147.00	9.40		0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	9.08		0.50	0.50
87-68-3	Hexachlorobutadiene	260.76	9.03		0.20	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gifat15.b/gifaf03.d
 Lab Smp Id: LCS 507360
 Inj Date : 10-JUL-2013 16:48
 Operator : pad
 Smp Info : LCS 507360
 Misc Info : LCS
 Comment :
 Method : /chem/G.i/Gsvr.p/gifat15.b/to15v5.m
 Meth Date : 12-Jul-2013 10:45 pd
 Cal Date : 10-JUL-2013 02:39
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 3.50
 Processing Host: chemsvr6

Inst ID: G.i
 Quant Type: ISTD
 Cal File: gif14.d
 QC Sample: LCS
 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	0.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====	
1 Propene	41	3.076	3.076	(0.285)	96951	7.66105	7.7	
2 Dichlorodifluoromethane	85	3.151	3.151	(0.292)	1091113	8.74237	8.7	
3 Chlorodifluoromethane	51	3.204	3.204	(0.297)	362128	8.06641	8.1	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.434	3.434	(0.319)	998864	8.32091	8.3	
5 Chloromethane	50	3.579	3.579	(0.332)	170350	8.02541	8.0	
6 Butane	43	3.798	3.798	(0.352)	196166	7.69088	7.7	
7 Vinyl chloride	62	3.846	3.846	(0.357)	227226	7.89984	7.9	
8 1,3-Butadiene	54	3.932	3.932	(0.365)	135312	8.11420	8.1	
9 Bromomethane	94	4.659	4.659	(0.432)	354832	8.46521	8.5	
10 Chloroethane	64	4.916	4.916	(0.456)	91097	8.60002	8.6	
11 2-Methylbutane	43	4.996	5.002	(0.464)	136121	7.52970	7.5	
12 Vinyl bromide	106	5.328	5.333	(0.494)	460954	9.30523	9.3	
13 Trichlorofluoromethane	101	5.440	5.446	(0.505)	1286938	8.95584	9.0	
14 Pentane	43	5.596	5.596	(0.519)	258691	8.34455	8.3	

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	6.077	6.077	(0.564)	10261	1.36572	1.4(aR)
16 Ethyl ether	59	6.152	6.157	(0.571)	138008	8.22557	8.2
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.585	6.591	(0.611)	901014	9.90403	9.9
18 Acrolein	56	6.558	6.564	(0.608)	68199	9.08831	9.1
19 1,1-Dichloroethene	96	6.623	6.628	(0.614)	372217	9.81528	9.8
20 Acetone	43	6.885	6.885	(0.639)	455421	14.8268	15(R)
21 Carbon disulfide	76	7.013	7.013	(0.651)	958877	9.18585	9.2
22 Isopropanol	45	7.211	7.211	(0.669)	187897	8.41557	8.4
23 Allyl chloride	41	7.457	7.463	(0.692)	181177	8.63086	8.6
24 Acetonitrile	41	7.607	7.607	(0.706)	102331	8.28839	8.3
25 Methylene chloride	49	7.768	7.768	(0.721)	247215	9.20624	9.2
26 Tert-butyl alcohol	59	8.014	8.019	(0.743)	449765	9.83923	9.8
27 Methyl tert-butyl ether	73	8.190	8.196	(0.760)	803435	9.27618	9.3
28 1,2-Dichloroethene (trans)	61	8.217	8.222	(0.762)	387806	8.71655	8.7
29 Acrylonitrile	53	8.393	8.393	(0.779)	135812	8.95326	9.0
30 n-Hexane	57	8.629	8.629	(0.800)	306308	8.79070	8.8
31 1,1-Dichloroethane	63	9.132	9.137	(0.847)	554063	8.70047	8.7
32 Vinyl acetate	43	9.233	9.233	(0.857)	470330	8.88687	8.9
M 33 1,2-Dichloroethene,Total	61				918683	18.2458	18
34 1,2-Dichloroethene (cis)	96	10.298	10.298	(0.955)	530877	9.52929	9.5
35 Ethyl acetate	88	10.421	10.410	(0.967)	28650	9.24852	9.2
36 Methyl Ethyl Ketone	72	10.362	10.367	(0.961)	183606	10.1324	10(Q)
* 37 Bromochloromethane	128	10.779	10.785	(1.000)	601077	10.0000	
38 Tetrahydrofuran	42	10.779	10.785	(0.838)	235145	8.23194	8.2
39 Chloroform	83	10.924	10.929	(1.013)	1185839	9.28383	9.3
40 Cyclohexane	84	11.170	11.175	(0.869)	614413	9.12214	9.1
41 1,1,1-Trichloroethane	97	11.207	11.213	(0.871)	1393834	8.86828	8.9
42 Carbon tetrachloride	117	11.464	11.464	(0.891)	1696479	8.89822	8.9
43 2,2,4-Trimethylpentane	57	11.940	11.940	(0.928)	1894327	8.46733	8.5
44 Benzene	78	11.962	11.962	(0.930)	1623832	8.79560	8.8
45 1,2-Dichloroethane	62	12.160	12.160	(0.946)	794792	8.49943	8.5
46 n-Heptane	43	12.352	12.352	(0.960)	604317	7.65551	7.7
* 47 1,4-Difluorobenzene	114	12.860	12.860	(1.000)	3115567	10.0000	
48 n-Butanol	56	13.272	13.278	(1.032)	225433	8.16762	8.2
49 Trichloroethene	95	13.342	13.342	(1.037)	1073971	9.88079	9.9
50 1,2-Dichloropropane	63	13.930	13.936	(1.083)	785191	9.09823	9.1
51 Methyl methacrylate	69	14.123	14.128	(1.098)	706011	9.75373	9.8
52 Dibromomethane	174	14.198	14.198	(1.104)	1103444	10.5178	11
53 1,4-Dioxane	88	14.166	14.171	(1.101)	297935	8.92048	8.9
54 Bromodichloromethane	83	14.503	14.508	(1.128)	1889250	9.92716	9.9
55 1,3-Dichloropropene (cis)	75	15.476	15.476	(1.203)	1260598	9.61190	9.6
56 Methyl isobutyl ketone	43	15.781	15.781	(1.227)	1108599	8.91532	8.9
57 n-Octane	43	16.151	16.151	(1.256)	1128569	8.47014	8.5
58 Toluene	92	16.081	16.086	(0.846)	1632748	9.58162	9.6
59 1,3-Dichloropropene (trans)	75	16.691	16.696	(1.298)	1286436	9.35193	9.4
60 1,1,2-Trichloroethane	83	17.071	17.071	(0.898)	880830	8.95982	9.0
61 Tetrachloroethene	166	17.172	17.178	(0.903)	1542536	9.78086	9.8

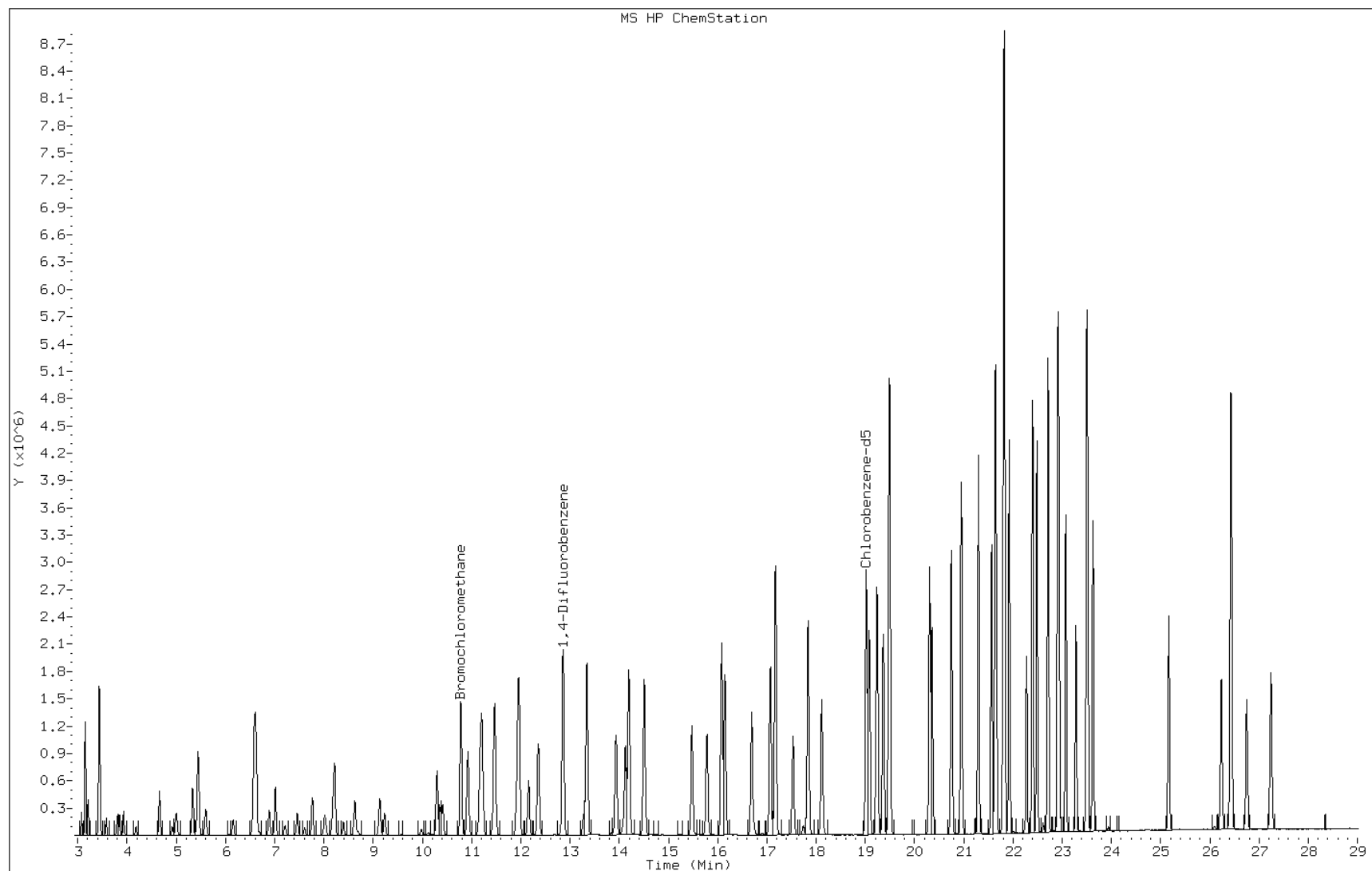
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	17.531	17.531	(0.922)	1029750	9.74538	9.7
63 Dibromochloromethane	129	17.836	17.841	(0.938)	2200416	10.4170	10
64 1,2-Dibromoethane	107	18.114	18.119	(0.952)	1695208	9.73662	9.7
* 65 Chlorobenzene-d5	117	19.018	19.023	(1.000)	2930269	10.0000	
66 Chlorobenzene	112	19.082	19.082	(1.003)	2223128	9.60889	9.6
67 n-Nonane	57	19.366	19.366	(1.018)	1344203	8.62840	8.6
68 Ethylbenzene	91	19.237	19.237	(1.012)	3456725	9.45170	9.5
69 Xylene (m,p)	106	19.489	19.494	(1.025)	2737488	19.3812	19
M 70 Xylenes, Total	106				4103282	29.0020	29
71 Xylene (o)	106	20.307	20.307	(1.068)	1365794	9.62086	9.6
72 Styrene	104	20.355	20.355	(1.070)	1807725	9.12366	9.1
73 Bromoform	173	20.746	20.751	(1.091)	2191046	10.5955	11
74 Isopropylbenzene	105	20.949	20.955	(1.102)	3925917	9.72848	9.7
75 1,1,2,2-Tetrachloroethane	83	21.564	21.564	(1.134)	2202382	8.85809	8.9
76 n-Propylbenzene	91	21.639	21.639	(1.138)	4593494	9.68183	9.7
77 1,2,3-Trichloropropane	75	21.661	21.661	(1.139)	1536578	9.01197	9.0
78 n-Decane	57	21.805	21.805	(1.147)	1470194	8.82469	8.8
79 4-Ethyltoluene	105	21.821	21.821	(1.147)	3842090	10.2207	10
80 2-Chlorotoluene	91	21.827	21.827	(1.148)	3191510	9.73014	9.7
81 1,3,5-Trimethylbenzene	105	21.923	21.923	(1.153)	3168086	9.29573	9.3
82 Alpha Methyl Styrene	118	22.276	22.276	(1.171)	764037	5.10865	5.1(R)
83 tert-butylbenzene	119	22.399	22.399	(1.178)	3175216	9.62147	9.6
84 1,2,4-Trimethylbenzene	105	22.490	22.490	(1.183)	3059821	9.27185	9.3
85 sec-Butylbenzene	105	22.715	22.715	(1.194)	4746047	9.55839	9.6
86 4-Isopropyltoluene	119	22.913	22.913	(1.205)	3909837	9.80953	9.8
87 1,3-Dichlorobenzene	146	22.939	22.939	(1.206)	2041094	9.82042	9.8
88 1,4-Dichlorobenzene	146	23.073	23.073	(1.213)	1852486	9.81691	9.8
89 Benzyl chloride	91	23.282	23.282	(1.224)	2175099	10.4406	10
90 Undecane	57	23.517	23.517	(1.237)	1676551	9.09407	9.1
91 n-Butylbenzene	91	23.496	23.496	(1.235)	3316619	9.72454	9.7
92 1,2-Dichlorobenzene	146	23.624	23.624	(1.242)	1926116	9.39721	9.4
93 Dodecane	57	25.165	25.165	(1.323)	1240558	9.59615	9.6
94 1,2,4-Trichlorobenzene	180	26.235	26.235	(1.379)	869793	9.08167	9.1
95 1,3-Hexachlorobutadiene	225	26.433	26.433	(1.390)	1721701	9.02962	9.0
96 Naphthalene	128	26.748	26.748	(1.406)	1996996	9.07697	9.1
97 1,2,3-Trichlorobenzene	180	27.240	27.246	(1.432)	1009935	10.8125	11

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

Data File: gifa03.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: LCS 507360
Lab Sample ID: LCS 507360

Date: 10-JUL-2013 16:48
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 480-41199-1

SDG No.: _____

Instrument ID: G.iStart Date: 07/09/2013 16:21Analysis Batch Number: 58308End Date: 07/10/2013 14:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-58308/1		07/09/2013 16:21	1		RTX-624 0.32 (mm)
VIBLK 200-58308/2		07/09/2013 17:06	1		RTX-624 0.32 (mm)
VIBLK 200-58308/3		07/09/2013 18:09	1		RTX-624 0.32 (mm)
BFB 200-58308/4		07/09/2013 18:47	1	gif04.d	RTX-624 0.32 (mm)
VIBLK 200-58308/5		07/09/2013 19:35	1		RTX-624 0.32 (mm)
VIBLK 200-58308/6		07/09/2013 20:22	1		RTX-624 0.32 (mm)
IC 200-58308/7		07/09/2013 21:09	1	gif07.d	RTX-624 0.32 (mm)
IC 200-58308/8		07/09/2013 21:56	1	gif08.d	RTX-624 0.32 (mm)
IC 200-58308/9		07/09/2013 22:43	1	gif09.d	RTX-624 0.32 (mm)
IC 200-58308/10		07/09/2013 23:30	1	gif10.d	RTX-624 0.32 (mm)
ICIS 200-58308/11		07/10/2013 00:17	1	gif11.d	RTX-624 0.32 (mm)
IC 200-58308/12		07/10/2013 01:05	1	gif12.d	RTX-624 0.32 (mm)
IC 200-58308/13		07/10/2013 01:52	1	gif13.d	RTX-624 0.32 (mm)
IC 200-58308/14		07/10/2013 02:39	1	gif14.d	RTX-624 0.32 (mm)
VIBLK 200-58308/15		07/10/2013 03:26	1		RTX-624 0.32 (mm)
VIBLK 200-58308/16		07/10/2013 10:43	1		RTX-624 0.32 (mm)
ZZZZZ		07/10/2013 11:30	1		RTX-624 0.32 (mm)
ICV 200-58308/18		07/10/2013 12:21	1		RTX-624 0.32 (mm)
VIBLK 200-58308/19		07/10/2013 13:08	1		RTX-624 0.32 (mm)
VIBLK 200-58308/20		07/10/2013 14:05	1		RTX-624 0.32 (mm)

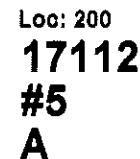
AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 480-41199-1

SDG No.: _____

Instrument ID: G.iStart Date: 07/10/2013 15:17Analysis Batch Number: 58342End Date: 07/11/2013 12:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-58342/1		07/10/2013 15:17	1	gifa01.d	RTX-624 0.32 (mm)
CCVIS 200-58342/2		07/10/2013 16:01	1	gifa02.d	RTX-624 0.32 (mm)
LCS 200-58342/3		07/10/2013 16:48	1	gifa03.d	RTX-624 0.32 (mm)
MB 200-58342/4		07/10/2013 17:37	1	gifa04.d	RTX-624 0.32 (mm)
ZZZZZ		07/10/2013 18:34	0.2		RTX-624 0.32 (mm)
ZZZZZ		07/10/2013 19:32	0.2		RTX-624 0.32 (mm)
ZZZZZ		07/10/2013 20:30	0.2		RTX-624 0.32 (mm)
ZZZZZ		07/10/2013 21:17	1		RTX-624 0.32 (mm)
ZZZZZ		07/10/2013 22:04	1		RTX-624 0.32 (mm)
480-41199-1	LRP Effluent 3Q13	07/10/2013 22:52	322	gifa10.d	RTX-624 0.32 (mm)
480-41199-2	AS Effluent 3Q13	07/10/2013 23:39	4	gifa11.d	RTX-624 0.32 (mm)
ZZZZZ		07/11/2013 00:26	10		RTX-624 0.32 (mm)
ZZZZZ		07/11/2013 01:13	10		RTX-624 0.32 (mm)
ZZZZZ		07/11/2013 02:00	9.96		RTX-624 0.32 (mm)
ZZZZZ		07/11/2013 02:48	10		RTX-624 0.32 (mm)
ZZZZZ		07/11/2013 03:34	1		RTX-624 0.32 (mm)
ZZZZZ		07/11/2013 04:22	1		RTX-624 0.32 (mm)
ZZZZZ		07/11/2013 05:09	1		RTX-624 0.32 (mm)
ZZZZZ		07/11/2013 05:56	1		RTX-624 0.32 (mm)
ZZZZZ		07/11/2013 06:44	244		RTX-624 0.32 (mm)
ZZZZZ		07/11/2013 07:31	142		RTX-624 0.32 (mm)
ZZZZZ		07/11/2013 08:18	5		RTX-624 0.32 (mm)
ZZZZZ		07/11/2013 09:05	5		RTX-624 0.32 (mm)
ZZZZZ		07/11/2013 09:52	2.99		RTX-624 0.32 (mm)
ZZZZZ		07/11/2013 10:40	2.99		RTX-624 0.32 (mm)
ZZZZZ		07/11/2013 11:26	12		RTX-624 0.32 (mm)
ZZZZZ		07/11/2013 12:14	2.99		RTX-624 0.32 (mm)



200-17112-A-5

6063
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 6/20/2013 12:00 AM 200-518730

Canister Cleaning & Pre-Shipment Leak Test										
System ID		# Cycles		Cleaning Date		Technician		Canister Size		
OVEN		1025		6/20/13		Axi		6L 1L 3L		
Leak Test										
Port	Can ID	Initial ¹ ("Hg)	Final ("Hg)	Adjusted Initial ² ("Hg)	Difference ³	Initial Reading		Final Reading		
						Gauge ID:	Date:	Gauge ID:	Date:	Tech:
1	4382	-29.9	-29.3	-29.3	0.0	G 8	6/24/13	G 8	6/24/13	
2	4448					1335	1000			
3	2733					Axi				
4	2678					29.5 ("Hg)	29.3 ("Hg)			
5	5063					22 (°C)	22 (°C)			
6	3229					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				
7	3255									
8	3246									
9	2544					PM Authorization:				
10	5402					Signature				
11	4156									
12	3488									
						Date				

[†] 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.

²To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

³To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

[illegible]

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.: 200-17112-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: bkzak04.d
 Lab ID: LCS 200-57449/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	10.1	101	70-130	
Dichlorodifluoromethane	10.0	9.36	94	70-130	
Freon 22	10.0	10.1	101	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.32	93	70-130	
Chloromethane	10.0	9.78	98	70-130	
n-Butane	10.0	9.87	99	70-130	
Vinyl chloride	10.0	9.69	97	70-130	
1,3-Butadiene	10.0	10.4	104	70-130	
Bromomethane	10.0	9.89	99	70-130	
Chloroethane	10.0	11.2	112	70-130	
Bromoethene (Vinyl Bromide)	10.0	10.6	106	70-130	
Trichlorofluoromethane	10.0	9.81	98	70-130	
Ethanol	15.0	21.0	140	70-130	*
Freon TF	10.0	11.6	116	70-130	
1,1-Dichloroethene	10.0	12.3	123	70-130	
Acetone	10.0	11.4	114	70-130	
Isopropyl alcohol	10.0	11.5	115	70-130	
Carbon disulfide	10.0	12.1	121	70-130	
3-Chloropropene	10.0	13.2	132	70-130	*
Methylene Chloride	10.0	12.9	129	70-130	
tert-Butyl alcohol	10.0	10.8	108	70-130	
Methyl tert-butyl ether	10.0	11.2	112	70-130	
trans-1,2-Dichloroethene	10.0	11.8	118	70-130	
n-Hexane	10.0	12.2	122	70-130	
1,1-Dichloroethane	10.0	11.9	119	70-130	
Vinyl acetate	10.0	12.6	126	70-130	
Ethyl acetate	10.0	11.0	110	70-130	
Methyl Ethyl Ketone	10.0	11.9	119	70-130	
cis-1,2-Dichloroethene	10.0	11.5	115	70-130	
Chloroform	10.0	11.0	110	70-130	
Tetrahydrofuran	10.0	12.5	125	70-130	
1,1,1-Trichloroethane	10.0	10.0	100	70-130	
Cyclohexane	10.0	10.8	108	70-130	
Carbon tetrachloride	10.0	9.49	95	70-130	
2,2,4-Trimethylpentane	10.0	11.7	117	70-130	
Benzene	10.0	11.1	111	70-130	
1,2-Dichloroethane	10.0	10.2	102	70-130	
n-Heptane	10.0	12.0	120	70-130	
Trichloroethene	10.0	10.4	104	70-130	
Methyl methacrylate	10.0	11.3	113	70-130	
1,2-Dichloropropane	10.0	11.4	114	70-130	
1,4-Dioxane	10.0	9.43	94	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.: 200-17112-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: bkzak04.d
 Lab ID: LCS 200-57449/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	10.9	109	70-130	
cis-1,3-Dichloropropene	10.0	10.8	108	70-130	
methyl isobutyl ketone	10.0	12.5	125	70-130	
Toluene	10.0	10.9	109	70-130	
trans-1,3-Dichloropropene	10.0	10.6	106	70-130	
1,1,2-Trichloroethane	10.0	11.0	110	70-130	
Tetrachloroethene	10.0	9.54	95	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	12.8	128	70-130	
Dibromochloromethane	10.0	10.5	105	70-130	
1,2-Dibromoethane	10.0	10.6	106	70-130	
Chlorobenzene	10.0	10.2	102	70-130	
Ethylbenzene	10.0	10.9	109	70-130	
m,p-Xylene	20.0	20.8	104	70-130	
Xylene, o-	10.0	10.3	103	70-130	
Styrene	10.0	10.6	106	70-130	
Bromoform	10.0	10.3	103	70-130	
Cumene	10.0	10.7	107	70-130	
1,1,2,2-Tetrachloroethane	10.0	11.2	112	70-130	
n-Propylbenzene	10.0	11.3	113	70-130	
4-Ethyltoluene	10.0	11.0	110	70-130	
1,3,5-Trimethylbenzene	10.0	10.5	105	70-130	
2-Chlorotoluene	10.0	11.0	110	70-130	
tert-Butylbenzene	10.0	10.4	104	70-130	
1,2,4-Trimethylbenzene	10.0	10.4	104	70-130	
sec-Butylbenzene	10.0	10.9	109	70-130	
4-Isopropyltoluene	10.0	10.5	105	70-130	
1,3-Dichlorobenzene	10.0	9.74	97	70-130	
1,4-Dichlorobenzene	10.0	9.55	95	70-130	
Benzyl chloride	10.0	11.6	116	70-130	
n-Butylbenzene	10.0	11.4	114	70-130	
1,2-Dichlorobenzene	10.0	9.46	95	70-130	
1,2,4-Trichlorobenzene	10.0	10.1	101	70-130	
Hexachlorobutadiene	10.0	9.70	97	70-130	
Naphthalene	10.0	12.3	123	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.: 200-17112-1
SDG No.: _____
Lab File ID: bkzak05.d Lab Sample ID: MB 200-57449/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: B.i Date Analyzed: 06/21/2013 17:22
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 200-57449/4	bkzak04.d	06/21/2013 16:30
5063	200-17112-5	bkzak06.d	06/21/2013 18:22

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

Lab Name: TestAmerica Burlington Job No.: 200-17112-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-57449/5
 Matrix: Air Lab File ID: bkzak05.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 06/21/2013 17:22
 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.: 57449 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.: 200-17112-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-57449/5
 Matrix: Air Lab File ID: bkzak05.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 06/21/2013 17:22
 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.: 57449 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.: 200-17112-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-57449/5
Matrix: Air Lab File ID: bkzak05.d
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 06/21/2013 17:22
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.: 57449 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/bkzakt15.b/bkzak05.d
Lab Smp Id: mb
Inj Date : 21-JUN-2013 17:22
Operator : wrd
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/B.i/Bsvr.p/bkzakt15.b/to15v5.m
Meth Date : 24-Jun-2013 10:51 wrd
Cal Date : 22-APR-2013 17:21
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: B.i
Quant Type: ISTD
Cal File: bkz04.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 MASS	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						Compound Not Detected.		
16 Ethyl ether	59						Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101						Compound Not Detected.		
18 Acrolein	56						Compound Not Detected.		
19 1,1-Dichloroethene	96						Compound Not Detected.		
20 Acetone	43						Compound Not Detected.		
21 Carbon disulfide	76						Compound Not Detected.		
22 Isopropanol	45						Compound Not Detected.		
23 Allyl chloride	41						Compound Not Detected.		
24 Acetonitrile	41						Compound Not Detected.		
25 Methylene chloride	49	6.701	6.696	(0.737)		2015		0.07050	0.071(a)
26 Tert-butyl alcohol	59						Compound Not Detected.		
27 Methyl tert-butyl ether	73						Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61						Compound Not Detected.		
29 Acrylonitrile	53						Compound Not Detected.		
30 n-Hexane	57						Compound Not Detected.		
31 1,1-Dichloroethane	63						Compound Not Detected.		
32 Vinyl acetate	43						Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61						Compound Not Detected.		
34 1,2-Dichloroethene (cis)	96						Compound Not Detected.		
35 Ethyl acetate	88						Compound Not Detected.		
36 Methyl Ethyl Ketone	72						Compound Not Detected.		
* 37 Bromochloromethane	128	9.086	9.092	(1.000)		408069		10.0000	
38 Tetrahydrofuran	42						Compound Not Detected.		
39 Chloroform	83						Compound Not Detected.		
40 Cyclohexane	84						Compound Not Detected.		
41 1,1,1-Trichloroethane	97						Compound Not Detected.		
42 Carbon tetrachloride	117						Compound Not Detected.		
43 2,2,4-Trimethylpentane	57						Compound Not Detected.		
44 Benzene	78						Compound Not Detected.		
45 1,2-Dichloroethane	62						Compound Not Detected.		
46 n-Heptane	43						Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	10.501	10.506	(1.000)		2003615		10.0000	
48 n-Butanol	56						Compound Not Detected.		
49 Trichloroethene	95						Compound Not Detected.		
50 1,2-Dichloropropane	63						Compound Not Detected.		
51 Methyl methacrylate	69						Compound Not Detected.		
52 Dibromomethane	174						Compound Not Detected.		
53 1,4-Dioxane	88						Compound Not Detected.		
54 Bromodichloromethane	83						Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75						Compound Not Detected.		
56 Methyl isobutyl ketone	43						Compound Not Detected.		
57 n-Octane	43						Compound Not Detected.		
58 Toluene	92						Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75						Compound Not Detected.		
60 1,1,2-Trichloroethane	83						Compound Not Detected.		
61 Tetrachloroethene	166						Compound Not Detected.		

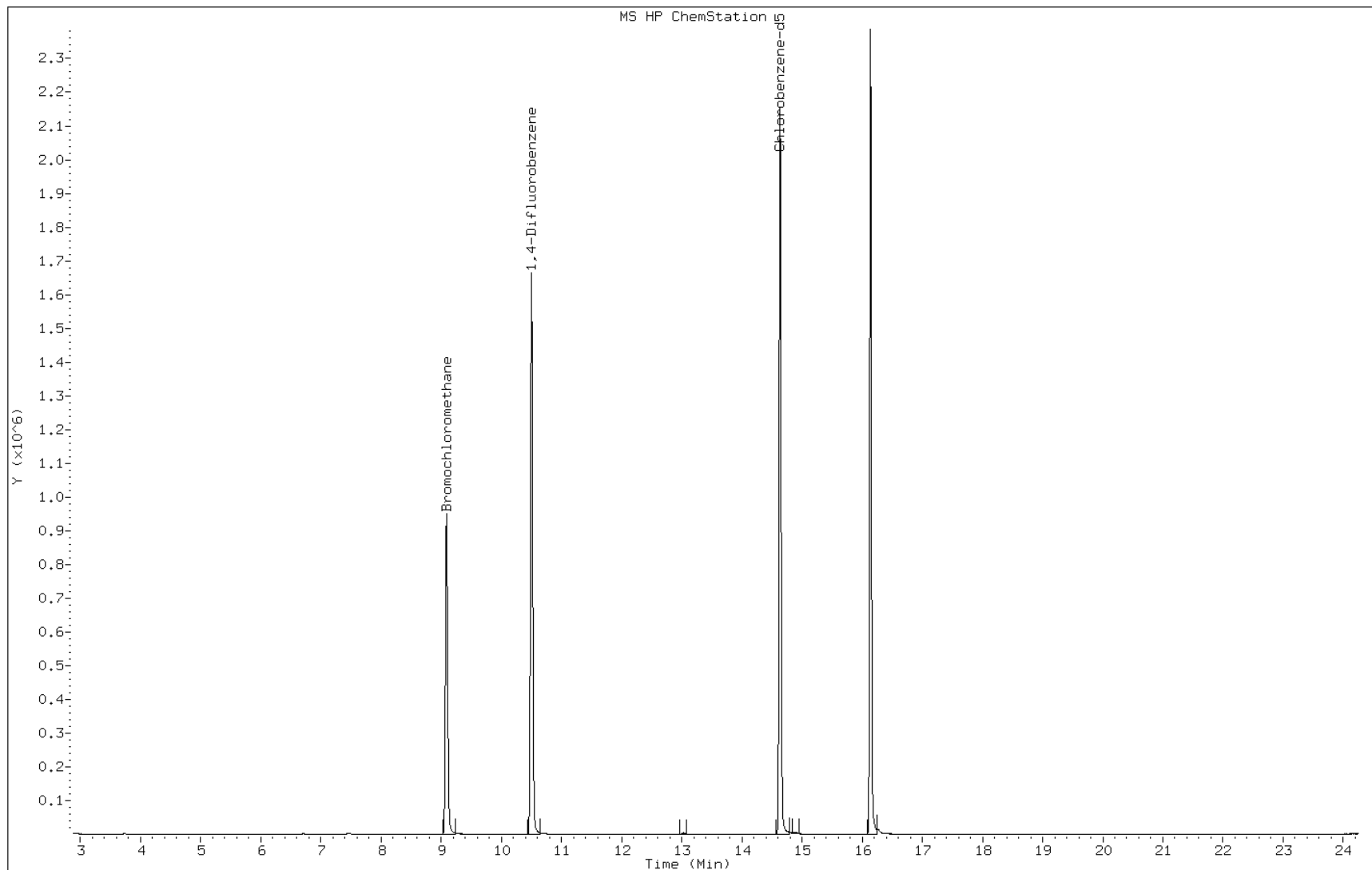
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43				Compound Not Detected.		
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	14.637	14.642	(1.000)	1746110	10.0000	
66 Chlorobenzene	112				Compound Not Detected.		
67 n-Nonane	57				Compound Not Detected.		
68 Ethylbenzene	91				Compound Not Detected.		
69 Xylene (m,p)	106				Compound Not Detected.		
M 70 Xylenes, Total	106				Compound Not Detected.		
71 Xylene (o)	106				Compound Not Detected.		
72 Styrene	104				Compound Not Detected.		
73 Bromoform	173				Compound Not Detected.		
74 Isopropylbenzene	105				Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
76 n-Propylbenzene	91				Compound Not Detected.		
77 1,2,3-Trichloropropane	75				Compound Not Detected.		
78 n-Decane	57				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.		
82 Alpha Methyl Styrene	118				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
90 Undecane	57				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
93 Dodecane	57				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		
97 1,2,3-Trichlorobenzene	180				Compound Not Detected.		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: bkzak05.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 21-JUN-2013 17:22
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.: 200-17112-1
 SDG No.: _____
 Lab File ID: bkz01.d BFB Injection Date: 04/22/2013
 Instrument ID: B.i BFB Injection Time: 14:29
 Analysis Batch No.: 54683

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	13.7
75	30.0 - 66.0% of mass 95	43.0
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	96.0
175	4.0 - 9.0 % of mass 174	6.9 (7.2) 1
176	93.0 - 101.0% of mass 174	94.3 (98.2) 1
177	5.0 - 9.0% of mass 176	6.2 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-54683/3	bkz03.d	04/22/2013	16:28
	IC 200-54683/4	bkz04.d	04/22/2013	17:21
	IC 200-54683/5	bkz05.d	04/22/2013	18:14
	IC 200-54683/7	bkz07.d	04/22/2013	19:59
	ICIS 200-54683/8	bkz08.d	04/22/2013	20:51
	IC 200-54683/9	bkz09.d	04/22/2013	21:43
	IC 200-54683/10	bkz10.d	04/22/2013	22:35
	IC 200-54683/11	bkz11.d	04/22/2013	23:27
	ICV 200-54683/17	bkz17.d	04/23/2013	09:48

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-17112-1
 SDG No.: _____
 Lab File ID: bkzak01.d BFB Injection Date: 06/21/2013
 Instrument ID: B.i BFB Injection Time: 13:56
 Analysis Batch No.: 57449

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	14.8
75	30.0 - 66.0% of mass 95	43.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	86.8
175	4.0 - 9.0 % of mass 174	6.2 (7.2) 1
176	93.0 - 101.0% of mass 174	84.2 (97.1) 1
177	5.0 - 9.0% of mass 176	5.6 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-57449/3	bkzak03.d	06/21/2013	15:38
	LCS 200-57449/4	bkzak04.d	06/21/2013	16:30
	MB 200-57449/5	bkzak05.d	06/21/2013	17:22
5063	200-17112-5	bkzak06.d	06/21/2013	18:22

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

Lab Name: TestAmerica Burlington Job No.: 200-17112-1
SDG No.: _____
Sample No.: ICIS 200-54683/8 Date Analyzed: 04/22/2013 20:51
Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): bkz08.d Heated Purge: (Y/N) N
Calibration ID: 21175

	BCM		DFB		CBZ	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	330756	9.09	1564978	10.51	1431498	14.64
UPPER LIMIT	463058	9.42	2190969	10.84	2004097	14.97
LOWER LIMIT	198454	8.76	938987	10.18	858899	14.31
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-54683/17		345051	9.09	1642344	10.51	1520921 14.64

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-17112-1
 SDG No.: _____
 Sample No.: CCVIS 200-57449/3 Date Analyzed: 06/21/2013 15:38
 Instrument ID: B.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): bkzak03.d Heated Purge: (Y/N) N
 Calibration ID: 21175

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		378136	9.09	1859146	10.51	1611738	14.64
UPPER LIMIT		529390	9.42	2602804	10.84	2256433	14.97
LOWER LIMIT		226882	8.76	1115488	10.18	967043	14.31
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-57449/4		397100	9.09	1942323	10.51	1688216	14.64
MB 200-57449/5		408069	9.09	2003615	10.50	1746110	14.64
200-17112-5	5063	406131	9.09	1968695	10.51	1735614	14.64

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-17112-1
 SDG No.: _____
 Client Sample ID: 5063 Lab Sample ID: 200-17112-5
 Matrix: Air Lab File ID: bkzak06.d
 Analysis Method: TO-15 Date Collected: 06/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 06/21/2013 18:22
 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.: 57449 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.: 200-17112-1
 SDG No.: _____
 Client Sample ID: 5063 Lab Sample ID: 200-17112-5
 Matrix: Air Lab File ID: bkzak06.d
 Analysis Method: TO-15 Date Collected: 06/20/2013 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 06/21/2013 18:22
 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.: 57449 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.: 200-17112-1
SDG No.: _____
Client Sample ID: 5063 Lab Sample ID: 200-17112-5
Matrix: Air Lab File ID: bkzak06.d
Analysis Method: TO-15 Date Collected: 06/20/2013 00:00
Sample wt/vol: 1000 (mL) Date Analyzed: 06/21/2013 18:22
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.: 57449 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: 200-17112-5
Client Smp ID: 5063
Inj Date : 21-JUN-2013 18:22
Operator : wrd
Smp Info : 200-17112-A-5
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/B.i/Bsvr.p/bkzakt15.b/to15v5.m
Meth Date : 24-Jun-2013 10:51 wrd
Cal Date : 22-APR-2013 17:21
Als bottle: 4
Dil Factor: 0.20000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: B.i
Quant Type: ISTD
Cal File: bkz04.d
Compound Sublist: all74+MN.sub

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 MASS	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						
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		Compound	Not Detected.			
20 Acetone	43	6.050	5.932	(0.665)	7262	0.18404	0.037(a)
21 Carbon disulfide	76		Compound	Not Detected.			
22 Isopropanol	45		Compound	Not Detected.			
23 Allyl chloride	41		Compound	Not Detected.			
25 Methylene chloride	49	6.712	6.696	(0.738)	3434	0.12072	0.024(a)
26 Tert-butyl alcohol	59		Compound	Not Detected.			
27 Methyl tert-butyl ether	73		Compound	Not Detected.			
28 1,2-Dichloroethene (trans)	61		Compound	Not Detected.			
30 n-Hexane	57		Compound	Not Detected.			
31 1,1-Dichloroethane	63		Compound	Not Detected.			
32 Vinyl acetate	43		Compound	Not Detected.			
M 33 1,2-Dichloroethene, Total	61		Compound	Not Detected.			
34 1,2-Dichloroethene (cis)	96		Compound	Not Detected.			
35 Ethyl acetate	88		Compound	Not Detected.			
36 Methyl Ethyl Ketone	72		Compound	Not Detected.			
* 37 Bromochloromethane	128	9.092	9.092	(1.000)	406131	10.0000	
38 Tetrahydrofuran	42		Compound	Not Detected.			
39 Chloroform	83		Compound	Not Detected.			
40 Cyclohexane	84		Compound	Not Detected.			
41 1,1,1-Trichloroethane	97		Compound	Not Detected.			
42 Carbon tetrachloride	117		Compound	Not Detected.			
43 2,2,4-Trimethylpentane	57		Compound	Not Detected.			
44 Benzene	78		Compound	Not Detected.			
45 1,2-Dichloroethane	62		Compound	Not Detected.			
46 n-Heptane	43		Compound	Not Detected.			
* 47 1,4-Difluorobenzene	114	10.506	10.506	(1.000)	1968695	10.0000	
49 Trichloroethene	95		Compound	Not Detected.			
50 1,2-Dichloropropane	63		Compound	Not Detected.			
51 Methyl methacrylate	69		Compound	Not Detected.			
53 1,4-Dioxane	88		Compound	Not Detected.			
54 Bromodichloromethane	83		Compound	Not Detected.			
55 1,3-Dichloropropene (cis)	75		Compound	Not Detected.			
56 Methyl isobutyl ketone	43		Compound	Not Detected.			
58 Toluene	92		Compound	Not Detected.			
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		Compound	Not Detected.			
63 Dibromochloromethane	129		Compound	Not Detected.			
64 1,2-Dibromoethane	107		Compound	Not Detected.			
* 65 Chlorobenzene-d5	117	14.637	14.642	(1.000)	1735614	10.0000	
66 Chlorobenzene	112		Compound	Not Detected.			
68 Ethylbenzene	91		Compound	Not Detected.			
69 Xylene (m,p)	106		Compound	Not Detected.			
M 70 Xylenes, Total	106		Compound	Not Detected.			
71 Xylene (o)	106		Compound	Not Detected.			

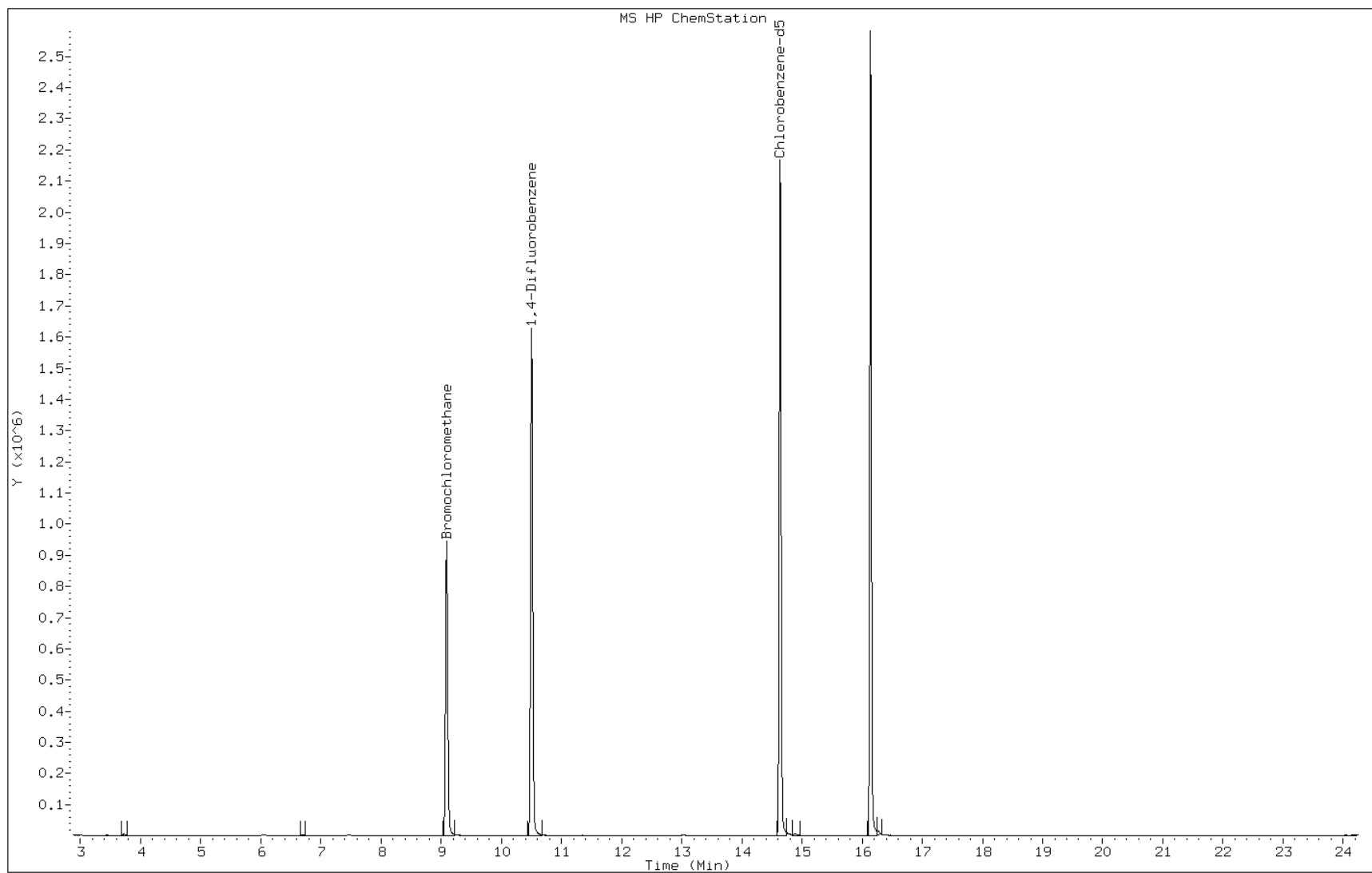
Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
72 Styrene	104		Compound	Not	Detected.				
73 Bromoform	173		Compound	Not	Detected.				
74 Isopropylbenzene	105		Compound	Not	Detected.				
75 1,1,2,2-Tetrachloroethane	83		Compound	Not	Detected.				
76 n-Propylbenzene	91		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.				
83 tert-butylbenzene	119		Compound	Not	Detected.				
84 1,2,4-Trimethylbenzene	105		Compound	Not	Detected.				
85 sec-Butylbenzene	105		Compound	Not	Detected.				
86 4-Isopropyltoluene	119		Compound	Not	Detected.				
87 1,3-Dichlorobenzene	146		Compound	Not	Detected.				
88 1,4-Dichlorobenzene	146		Compound	Not	Detected.				
89 Benzyl chloride	91		Compound	Not	Detected.				
91 n-Butylbenzene	91		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.				
96 Naphthalene	128		Compound	Not	Detected.				

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: bkzak06.d
Client ID: 5063
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-17112-A-5
Lab Sample ID: 200-17112-5

Date: 21-JUN-2013 18:22
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.: 200-17112-1 Analy Batch No.: 54683

SDG No.: _____

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

Calibration Start Date: 04/22/2013 16:28 Calibration End Date: 04/22/2013 23:27 Calibration ID: 21175

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-54683/3	bkz03.d
Level 2	IC 200-54683/4	bkz04.d
Level 3	IC 200-54683/5	bkz05.d
Level 4	IC 200-54683/7	bkz07.d
Level 5	ICIS 200-54683/8	bkz08.d
Level 6	IC 200-54683/9	bkz09.d
Level 7	IC 200-54683/10	bkz10.d
Level 8	IC 200-54683/11	bkz11.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	++++ 0.4190	++++ 0.4127	0.5249 0.3959	0.4621	0.4355	Ave		0.4417				10.5		30.0			
Dichlorodifluoromethane	++++ 1.8481	++++ 1.8166	2.0277 1.7141	2.0112	1.9001	Ave		1.8863				6.4		30.0			
Freon 22	++++ 0.9452	++++ 0.9331	1.0475 0.8879	1.0294	0.9618	Ave		0.9675				6.2		30.0			
1,2-Dichlorotetrafluoroethane	++++ 2.0025	2.1721 1.9646	2.1830 1.8412	2.2085	2.0768	Ave		2.0641				6.6		30.0			
Chloromethane	++++ 0.5402	++++ 0.5314	0.6051 0.5110	0.5879	0.5541	Ave		0.5550				6.4		30.0			
n-Butane	++++ 0.8761	++++ 0.8574	1.0481 0.8272	0.9608	0.8882	Ave		0.9096				8.9		30.0			
Vinyl chloride	0.7504 0.7000	0.7066 0.6867	0.7096 0.6597	0.7571	0.7126	Ave		0.7103				4.5		30.0			
1,3-Butadiene	++++ 0.4962	0.4667 0.4850	0.5096 0.4667	0.5341	0.5019	Ave		0.4943				4.9		30.0			
Bromomethane	++++ 0.7653	0.8215 0.7653	0.8112 0.7463	0.8232	0.7785	Ave		0.7873				3.9		30.0			
Chloroethane	++++ 0.4029	++++ 0.3989	0.4042 0.3911	0.4288	0.4088	Ave		0.4058				3.1		30.0			
Isopentane	++++ 0.7346	0.8875 0.7254	0.8101 0.7137	0.7951	0.7539	Ave		0.7743				7.9		30.0			
Bromoethene (Vinyl Bromide)	++++ 0.8303	0.8283 0.8331	0.8534 0.8240	0.8719	0.8406	Ave		0.8403				2.0		30.0			
Trichlorofluoromethane	++++ 2.0970	2.2285 2.1091	2.1730 2.0884	2.2294	2.1151	Ave		2.1486				2.8		30.0			
n-Pentane	++++ 1.1038	++++ 1.0905	1.2614 1.0810	1.1978	1.1318	Ave		1.1444				6.2		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.: 200-17112-1 Analy Batch No.: 54683

SDG No.: _____

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

Calibration Start Date: 04/22/2013 16:28 Calibration End Date: 04/22/2013 23:27 Calibration ID: 21175

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	+++++ 0.2253	+++++ 0.2439	0.2329 0.2224	0.1814	0.2350	Ave		0.2235				9.8		30.0			
Ethyl ether	+++++ 0.5171	0.4959 0.5152	0.5142 0.5084	0.5426	0.5175	Ave		0.5158				2.7		30.0			
Acrolein	+++++ 0.2759	+++++ 0.2742	+++++ 0.2579	0.2762	0.2703	Ave		0.2709				2.8		30.0			
Freon TF	+++++ 1.5859	1.6542 1.6023	1.6596 1.5922	1.6864	1.5941	Ave		1.6250				2.5		30.0			
1,1-Dichloroethene	+++++ 0.7432	0.7450 0.7512	0.7607 0.7425	0.7801	0.7504	Ave		0.7533				1.8		30.0			
Acetone	+++++ 0.9261	+++++ 0.9248	+++++ 0.8897	1.0849	1.0325	Ave		0.9716				8.5		30.0			
Carbon disulfide	+++++ 2.1740	+++++ 2.1817	2.2969 2.1553	2.3186	2.1966	Ave		2.2205				3.1		30.0			
Isopropyl alcohol	+++++ 0.7410	+++++ 0.7723	+++++ 0.7192	0.8153	0.7894	Ave		0.7675				5.0		30.0			
3-Chloropropene	+++++ 0.6993	0.7396 0.6975	0.7189 0.6821	0.7260	0.6852	Ave		0.7069				3.1		30.0			
Acetonitrile	+++++ 0.4350	+++++ 0.4322	+++++ 0.4211	0.4781	0.4647	Ave		0.4462				5.4		30.0			
Methylene Chloride	+++++ 0.6719	+++++ 0.6694	0.7986 0.6544	0.7247	0.6834	Ave		0.7004				7.7		30.0			
tert-Butyl alcohol	+++++ 1.2408	+++++ 1.3034	+++++ 1.2445	1.3729	1.3213	Ave		1.2966				4.3		30.0			
Methyl tert-butyl ether	+++++ 2.2041	2.2304 2.2293	2.2349 2.2215	2.3095	2.2138	Ave		2.2348				1.5		30.0			
trans-1,2-Dichloroethene	+++++ 1.0650	1.0554 1.0712	1.0648 1.0604	1.1232	1.0803	Ave		1.0743				2.1		30.0			
Acrylonitrile	+++++ 0.4831	+++++ 0.4769	0.4235 0.4824	0.4920	0.4795	Ave		0.4729				5.2		30.0			
n-Hexane	+++++ 1.1106	1.2419 1.1099	1.1981 1.1085	1.1866	1.1337	Ave		1.1556				4.6		30.0			
1,1-Dichloroethane	1.3062 1.3041	1.3040 1.3071	1.3277 1.2936	1.3831	1.3270	Ave		1.3191				2.2		30.0			
Vinyl acetate	+++++ 1.5534	+++++ 1.5767	+++++ 1.5487	1.6250	1.5599	Ave		1.5727				2.0		30.0			
cis-1,2-Dichloroethene	+++++ 0.8642	0.8485 0.8719	0.8691 0.8658	0.9084	0.8617	Ave		0.8699				2.1		30.0			
Methyl Ethyl Ketone	+++++ 0.3931	+++++ 0.3991	0.3865 0.3958	0.4117	0.4003	Ave		0.3978				2.1		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.: 200-17112-1 Analy Batch No.: 54683

SDG No.: _____

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

Calibration Start Date: 04/22/2013 16:28 Calibration End Date: 04/22/2013 23:27 Calibration ID: 21175

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0771	+++++ 0.0775	+++++ 0.0782	0.0789	0.0759	Ave		0.0775				1.5		30.0			
Tetrahydrofuran	+++++ 0.1409	+++++ 0.1425	+++++ 0.1408	0.1509	0.1451	Ave		0.1441				2.9		30.0			
Chloroform	+++++ 1.6077	1.6595 1.6155	1.6339 1.6090	1.6982	1.6152	Ave		1.6341				2.1		30.0			
1,1,1-Trichloroethane	+++++ 0.3631	0.3544 0.3698	0.3672 0.3783	0.3751	0.3645	Ave		0.3675				2.2		30.0			
Cyclohexane	+++++ 0.2478	0.2569 0.2507	0.2550 0.2543	0.2585	0.2518	Ave		0.2536				1.5		30.0			
Carbon tetrachloride	0.3959 0.3961	0.3954 0.4054	0.3966 0.4155	0.4083	0.3988	Ave		0.4015				1.9		30.0			
2,2,4-Trimethylpentane	+++++ 0.7462	0.8079 0.7487	0.8063 0.7545	0.7909	0.7579	Ave		0.7732				3.6		30.0			
Benzene	+++++ 0.5239	0.5979 0.5269	0.5589 0.5309	0.5521	0.5308	Ave		0.5459				4.8		30.0			
1,2-Dichloroethane	+++++ 0.2104	0.1983 0.2122	0.2075 0.2129	0.2211	0.2131	Ave		0.2108				3.3		30.0			
n-Heptane	+++++ 0.2363	0.2893 0.2364	0.2526 0.2388	0.2561	0.2412	Ave		0.2501				7.6		30.0			
n-Butanol	+++++ 0.0797	+++++ 0.0886	+++++ 0.0833	0.0779	0.0827	Ave		0.0824				4.9		30.0			
Trichloroethene	0.2587 0.2434	0.2397 0.2468	0.2451 0.2498	0.2542	0.2450	Ave		0.2478				2.5		30.0			
1,2-Dichloropropane	+++++ 0.1793	0.1874 0.1805	0.1823 0.1807	0.1883	0.1814	Ave		0.1828				1.9		30.0			
Methyl methacrylate	+++++ 0.1893	+++++ 0.1944	0.1645 0.1962	0.1962	0.1933	Ave		0.1890				6.5		30.0			
1,4-Dioxane	+++++ 0.0847	+++++ 0.0906	+++++ 0.0836	0.0909	0.0909	Ave		0.0882				4.1		30.0			
Dibromomethane	+++++ 0.2646	0.2642 0.2703	0.2641 0.2759	0.2727	0.2655	Ave		0.2682				1.8		30.0			
Bromodichloromethane	+++++ 0.3866	0.3710 0.3910	0.3774 0.3957	0.3982	0.3876	Ave		0.3868				2.5		30.0			
cis-1,3-Dichloropropene	+++++ 0.3025	0.2738 0.3069	0.2762 0.3104	0.3086	0.3048	Ave		0.2976				5.3		30.0			
methyl isobutyl ketone	+++++ 0.3001	+++++ 0.3089	0.2831 0.3087	0.3248	0.3144	Ave		0.3067				4.6		30.0			
Toluene	+++++ 0.4537	0.4793 0.4609	0.4607 0.4611	0.4762	0.4599	Ave		0.4645				2.0		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.: 200-17112-1 Analy Batch No.: 54683

SDG No.: _____

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

Calibration Start Date: 04/22/2013 16:28 Calibration End Date: 04/22/2013 23:27 Calibration ID: 21175

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	++++ 0.3376	0.3994 0.3357	0.3952 0.3376	0.3576	0.3451	Ave		0.3583				7.7		30.0			
trans-1,3-Dichloropropene	++++ 0.3137	0.2881 0.3188	0.2769 0.3229	0.3197	0.3151	Ave		0.3079				5.8		30.0			
1,1,2-Trichloroethane	++++ 0.2108	0.2116 0.2151	0.2102 0.2155	0.2214	0.2130	Ave		0.2139				1.8		30.0			
Tetrachloroethene	0.4377 0.4444	0.4413 0.4552	0.4456 0.4608	0.4515	0.4426	Ave		0.4474				1.7		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.3141	++++ 0.3318	0.2722 0.3286	0.3397	0.3302	Ave		0.3194				7.7		30.0			
Dibromochloromethane	++++ 0.4910	0.4499 0.5043	0.4576 0.5107	0.4949	0.4875	Ave		0.4851				4.7		30.0			
1,2-Dibromoethane	++++ 0.4232	0.3958 0.4328	0.4080 0.4331	0.4375	0.4251	Ave		0.4222				3.6		30.0			
Chlorobenzene	++++ 0.6507	0.6687 0.6632	0.6550 0.6612	0.6687	0.6510	Ave		0.6598				1.2		30.0			
Ethylbenzene	++++ 0.9910	1.0130 1.0105	1.0266 1.0147	1.0267	1.0003	Ave		1.0118				1.3		30.0			
n-Nonane	++++ 0.4086	0.4294 0.4132	0.4271 0.4142	0.4266	0.4128	Ave		0.4188				2.0		30.0			
m,p-Xylene	++++ 0.4142	0.4065 0.4231	0.4182 0.4150	0.4231	0.4139	Ave		0.4163				1.4		30.0			
Xylene, o-	++++ 0.3983	0.3930 0.4087	0.4104 0.4104	0.4099	0.3994	Ave		0.4043				1.8		30.0			
Styrene	++++ 0.6454	0.5640 0.6628	0.6295 0.6607	0.6541	0.6417	Ave		0.6369				5.4		30.0			
Bromoform	++++ 0.5457	0.4875 0.5634	0.4852 0.5691	0.5380	0.5325	Ave		0.5316				6.3		30.0			
Cumene	++++ 1.1569	1.1504 1.1811	1.2015 1.1773	1.1826	1.1524	Ave		1.1717				1.6		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.5563	0.5768 0.5641	0.5545 0.5540	0.5783	0.5652	Ave		0.5642				1.8		30.0			
n-Propylbenzene	++++ 1.3551	1.3418 1.3757	1.3582 1.3212	1.3922	1.3654	Ave		1.3585				1.7		30.0			
1,2,3-Trichloropropane	++++ 0.4272	++++ 0.4326	0.4287 0.4177	0.4428	0.4304	Ave		0.4299				1.9		30.0			
n-Decane	++++ 0.5154	++++ 0.5236	0.4992 0.5176	0.5397	0.5231	Ave		0.5198				2.5		30.0			
4-Ethyltoluene	++++ 1.1998	1.1520 1.2232	1.1838 1.2045	1.2223	1.2070	Ave		1.1989				2.1		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.: 200-17112-1 Analy Batch No.: 54683

SDG No.: _____

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

Calibration Start Date: 04/22/2013 16:28 Calibration End Date: 04/22/2013 23:27 Calibration ID: 21175

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	++++ 1.0393	1.0806 1.0619	1.0782 1.0511	1.0548	1.0461	Ave		1.0588				1.5		30.0			
1,3,5-Trimethylbenzene	++++ 0.9951	0.9216 1.0254	1.0308 1.0335	1.0149	0.9840	Ave		1.0008				3.9		30.0			
Alpha Methyl Styrene	++++ 0.5326	0.4131 0.5509	0.4779 0.5507	0.5279	0.5261	Ave		0.5113				9.7		30.0			
tert-Butylbenzene	++++ 0.9557	0.9606 0.9794	0.9649 0.9850	0.9822	0.9641	Ave		0.9703				1.2		30.0			
1,2,4-Trimethylbenzene	++++ 0.9899	0.9466 1.0189	0.9808 1.0110	0.9951	0.9790	Ave		0.9888				2.4		30.0			
sec-Butylbenzene	++++ 1.4145	1.4446 1.4493	1.4110 1.4284	1.4539	1.4230	Ave		1.4321				1.2		30.0			
4-Isopropyltoluene	++++ 1.2470	1.2049 1.2816	1.2227 1.2647	1.2694	1.2464	Ave		1.2481				2.2		30.0			
1,3-Dichlorobenzene	++++ 0.7453	0.7291 0.7691	0.7406 0.7532	0.7589	0.7522	Ave		0.7498				1.7		30.0			
1,4-Dichlorobenzene	++++ 0.7558	0.7790 0.7739	0.7638 0.7577	0.7749	0.7589	Ave		0.7663				1.2		30.0			
Benzyl chloride	++++ 0.8192	0.7094 0.8606	0.6813 0.8245	0.7912	0.7917	Ave		0.7825				8.2		30.0			
n-Undecane	++++ 0.5334	++++ 0.5407	++++ 0.4916	0.5576	0.5395	Ave		0.5326				4.6		30.0			
n-Butylbenzene	++++ 1.0663	1.0724 1.0848	1.0500 0.9905	1.0977	1.0700	Ave		1.0617				3.3		30.0			
1,2-Dichlorobenzene	++++ 0.6991	0.7207 0.7212	0.7204 0.7137	0.7202	0.7046	Ave		0.7143				1.3		30.0			
n-Dodecane	++++ 0.3407	++++ 0.3451	++++ 0.1454	0.2903	0.3398	Ave		0.2922				29.1		30.0			
1,2,4-Trichlorobenzene	++++ 0.5741	++++ 0.5832	0.3518 0.3525	0.5905	0.5924	Ave		0.5074				23.7		30.0			
Hexachlorobutadiene	++++ 0.5131	0.5426 0.5279	0.4987 0.3250	0.5375	0.5232	Ave		0.4954				15.5		30.0			
Naphthalene	++++ 1.0152	++++ 1.0380	0.3193 0.6138	1.0371	1.0691	Ave		0.8487				36.6	*	30.0			
1,2,3-Trichlorobenzene	++++ 0.4358	0.1161 0.4229	0.0813 0.2089	0.3990	0.4548	Ave		0.3027				53.5	*	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.: 200-17112-1 Analy Batch No.: 54683

SDG No.: _____

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

Calibration Start Date: 04/22/2013 16:28 Calibration End Date: 04/22/2013 23:27 Calibration ID: 21175

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-54683/3	bkz03.d
Level 2	IC 200-54683/4	bkz04.d
Level 3	IC 200-54683/5	bkz05.d
Level 4	IC 200-54683/7	bkz07.d
Level 5	ICIS 200-54683/8	bkz08.d
Level 6	IC 200-54683/9	bkz09.d
Level 7	IC 200-54683/10	bkz10.d
Level 8	IC 200-54683/11	bkz11.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	++++ 211126	++++ 283617	8682 563734	75648	144036	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	++++ 931186	++++ 1248407	33537 2440743	329262	628461	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	++++ 476240	++++ 641295	17325 1264337	168523	318114	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1008989	++++ 1350134	36106 2621719	361559	686924	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	++++ 272162	++++ 365223	10009 727605	96256	183274	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	++++ 441412	++++ 589220	17335 1177912	157298	293781	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	999 352710	4689 471905	11736 939353	123952	235689	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	++++ 250002	3097 333284	8429 664541	87435	166000	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	++++ 385626	5452 525977	13417 1062647	134769	257486	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	++++ 202992	++++ 274132	6686 556910	70209	135216	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	++++ 370154	5890 498529	13399 1016271	130170	249363	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 418363	5497 572517	14115 1173366	142749	278025	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	++++ 1056603	14789 1449463	35941 2973801	364988	699580	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	++++ 556179	++++ 749432	20863 1539306	196103	374354	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Ethanol	BCM	Ave	++++ 151389	++++ 335248	38529 791595	59392	116600	++++ 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.: 200-17112-1 Analy Batch No.: 54683

SDG No.: _____

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

Calibration Start Date: 04/22/2013 16:28 Calibration End Date: 04/22/2013 23:27 Calibration ID: 21175

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	++++ 260570	3291 354048	8504 723931	88840	171154	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	++++ 139025	4944 188447	12581 367274	45220	89396	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Freon TF	BCM	Ave	++++ 799060	10978 1101179	27450 2267179	276097	527249	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	++++ 374443	4944 516260	12581 1057255	127717	248183	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	++++ 466602	4944 635525	12581 1266929	177622	341507	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	++++ 1095404	4944 1499321	37991 3069007	379589	726523	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	++++ 373374	4944 530767	12581 1024132	133475	261108	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	++++ 352335	4908 479375	11890 971235	118865	226647	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	++++ 219198	4944 297047	12581 599619	78275	153693	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	++++ 338532	4944 460017	13208 931872	118645	226036	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	++++ 625209	4944 895749	12581 1772124	224759	437014	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	++++ 1110560	14802 1532068	36964 3163247	378096	732216	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	++++ 536618	7004 736142	17612 1509922	183886	357308	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	++++ 243424	4944 327712	7005 686926	80550	158585	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	++++ 559585	8242 762768	19816 1578415	194257	374964	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	1739 657076	8654 898316	21960 1842002	226429	438924	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	++++ 782719	4944 1083556	12581 2205239	266042	515931	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	++++ 435426	5631 599182	14375 1232840	148727	285013	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	++++ 198082	4944 274288	6393 563627	67398	132403	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	++++ 38862	4944 53232	12581 111409	12916	25095	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	++++ 336604	4944 462876	12581 935178	117660	227049	++++ 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.: 200-17112-1 Analy Batch No.: 54683

SDG No.: _____

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

Calibration Start Date: 04/22/2013 16:28 Calibration End Date: 04/22/2013 23:27 Calibration ID: 21175

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	++++ 810059	11013 1110205	27024 2291118	278020	534241	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	++++ 867433	11296 1201093	28943 2512508	292363	570492	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	++++ 591947	8190 814138	20102 1688798	201522	394101	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	2530 946264	12605 1316510	31265 2759984	318288	624048	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	++++ 1782447	25754 2431291	63559 5011398	616508	1186098	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	++++ 1251538	19058 1711071	44057 3526354	430351	830723	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	++++ 502714	6320 689218	16360 1414285	172325	333522	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	++++ 564412	9223 767862	19915 1586417	199652	377510	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	++++ 190423	++++ 287582	++++ 553065	60687	129358	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Trichloroethene	DFB	Ave	1653 581413	7642 801362	19322 1659130	198152	383464	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	++++ 428214	5974 586145	14367 1200060	146771	283839	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	++++ 452163	++++ 631313	12967 1303055	152898	302450	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	++++ 202423	++++ 294206	++++ 555404	70831	142321	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Dibromomethane	DFB	Ave	++++ 632171	8423 877721	20820 1832835	212541	415486	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	++++ 923506	11826 1269635	29748 2628022	310423	606632	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	++++ 722695	8728 996546	21771 2061567	240544	477023	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
methyl isobutyl ketone	DFB	Ave	++++ 716991	++++ 1003175	22317 2050233	253165	492014	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	++++ 987020	13776 1360132	32911 2798637	339665	658327	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	++++ 806361	12733 1090357	31151 2242076	278769	540098	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	++++ 749417	9184 1035313	21826 2145071	249169	493109	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	++++ 458542	6081 634746	15014 1308202	157927	304854	++++ 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.: 200-17112-1 Analy Batch No.: 54683

SDG No.: _____

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

Calibration Start Date: 04/22/2013 16:28 Calibration End Date: 04/22/2013 23:27 Calibration ID: 21175

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	2534 966776	12686 1343443	31832 2796821	322062	633621	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 683196	++++ 979145	19449 1994301	242273	472684	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	++++ 1068201	12931 1488131	32693 3099807	353014	697863	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	++++ 920693	11377 1277279	29150 2628749	312078	608530	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	++++ 1415501	19222 1957178	46792 4013275	476993	931925	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	++++ 2155829	29117 2981952	73338 6159006	732309	1431907	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	++++ 888796	12342 1219430	30515 2513788	304279	590972	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	++++ 1801990	23368 2497197	59746 5037734	603560	1184884	++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
Xylene, o-	CBZ	Ave	++++ 866431	11296 1206127	29318 2491231	292384	571755	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	++++ 1403957	16211 1956091	44973 4010420	466567	918534	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	++++ 1187117	14012 1662639	34660 3454417	383731	762260	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	++++ 2516598	33068 3485428	85835 7145619	843493	1649670	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 1210061	16579 1664761	39613 3362671	412482	809107	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	++++ 2947801	38570 4059783	97025 8018928	993021	1954509	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	++++ 929328	++++ 1276638	30625 2535518	315807	616124	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	++++ 1121241	++++ 1545191	35665 3141460	384928	748766	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	++++ 2609962	33113 3609697	84568 7311033	871862	1727761	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	++++ 2260771	31061 3133615	77026 6379578	752377	1497493	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 2164792	26491 3025902	73637 6272698	723931	1408645	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	++++ 1158715	11874 1625803	34141 3342710	376521	753111	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	++++ 2078921	27611 2890316	68930 5978729	700600	1380177	++++ 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.: 200-17112-1 Analy Batch No.: 54683

SDG No.: _____

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

Calibration Start Date: 04/22/2013 16:28 Calibration End Date: 04/22/2013 23:27 Calibration ID: 21175

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	++++ 2153504	27210 3006841	70064 6136232	709784	1401434	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	++++ 3076968	41525 4276930	100803 8669401	1037027	2036974	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	++++ 2712742	34635 3782157	87351 7676044	905456	1784190	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	++++ 1621344	20959 2269662	52910 4571339	541312	1076717	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	++++ 1644234	22392 2283793	54562 4598801	552737	1086427	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	++++ 1782115	20390 2539584	48668 5004038	564315	1133260	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	++++ 1160242	++++ 1595482	++++ 2983606	397754	772339	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	++++ 2319661	30825 3201312	75014 6012161	782960	1531753	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	++++ 1520903	20717 2128218	51468 4331641	513674	1008637	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	++++ 741228	++++ 1018306	++++ 882279	207032	486397	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 1248813	++++ 1720987	25134 2139757	421175	847993	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	++++ 1116169	15598 1557843	35628 1972807	383397	748925	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	++++ 2208374	++++ 3063273	22807 3725362	739741	1530401	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	++++ 948110	3338 1247872	5810 1267962	284612	651106	++++ 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.: 200-17112-1
 SDG No.: _____
 Lab Sample ID: ICV 200-54683/17 Calibration Date: 04/23/2013 09:48
 Instrument ID: B.i Calib Start Date: 04/22/2013 16:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/22/2013 23:27
 Lab File ID: bkz17.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	0.4417	0.4402		9.96	10.0	-0.3	30.0
Dichlorodifluoromethane	Ave	1.886	1.868		9.90	10.0	-0.9	30.0
Freon 22	Ave	0.9675	0.9463		9.78	10.0	-2.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.064	2.028		9.82	10.0	-1.8	30.0
Chloromethane	Ave	0.5550	0.5411		9.75	10.0	-2.5	30.0
n-Butane	Ave	0.9096	0.9003		9.90	10.0	-1.0	30.0
Vinyl chloride	Ave	0.7103	0.6974		9.82	10.0	-1.8	30.0
1,3-Butadiene	Ave	0.4943	0.5121		10.4	10.0	3.6	30.0
Bromomethane	Ave	0.7873	0.7632		9.69	10.0	-3.1	30.0
Chloroethane	Ave	0.4058	0.4043		9.96	10.0	-0.4	30.0
Isopentane	Ave	0.7743	0.7471		9.65	10.0	-3.5	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8402	0.8585		10.2	10.0	2.2	30.0
Trichlorofluoromethane	Ave	2.149	2.134		9.93	10.0	-0.7	30.0
n-Pentane	Ave	1.144	1.112		9.72	10.0	-2.8	30.0
Ethanol	Ave	0.2235	0.2589		17.4	15.0	15.8	30.0
Ethyl ether	Ave	0.5158	0.4935		9.56	10.0	-4.3	30.0
Acrolein	Ave	0.2709	0.2307		8.51	10.0	-14.9	30.0
Freon TF	Ave	1.625	1.751		10.8	10.0	7.8	30.0
1,1-Dichloroethene	Ave	0.7533	0.8365		11.1	10.0	11.0	30.0
Acetone	Ave	0.9716	1.174		12.1	10.0	20.8	30.0
Carbon disulfide	Ave	2.221	2.246		10.1	10.0	1.2	30.0
Isopropyl alcohol	Ave	0.7675	0.6563		8.55	10.0	-14.5	30.0
3-Chloropropene	Ave	0.7069	0.6961		9.84	10.0	-1.5	30.0
Acetonitrile	Ave	0.4462	0.4244		9.51	10.0	-4.9	30.0
Methylene Chloride	Ave	0.7004	0.7238		10.3	10.0	3.3	30.0
tert-Butyl alcohol	Ave	1.297	1.107		8.53	10.0	-14.7	30.0
Methyl tert-butyl ether	Ave	2.235	2.217		9.92	10.0	-0.8	30.0
trans-1,2-Dichloroethene	Ave	1.074	1.064		9.90	10.0	-1.0	30.0
Acrylonitrile	Ave	0.4729	0.4829		10.2	10.0	2.1	30.0
n-Hexane	Ave	1.156	1.135		9.82	10.0	-1.8	30.0
1,1-Dichloroethane	Ave	1.319	1.309		9.92	10.0	-0.8	30.0
Vinyl acetate	Ave	1.573	1.548		9.84	10.0	-1.6	30.0
cis-1,2-Dichloroethene	Ave	0.8699	0.8934		10.3	10.0	2.7	30.0
Methyl Ethyl Ketone	Ave	0.3978	0.4127		10.4	10.0	3.8	30.0
Ethyl acetate	Ave	0.0775	0.0764		9.86	10.0	-1.4	30.0
Tetrahydrofuran	Ave	0.1441	0.1374		9.53	10.0	-4.6	30.0
Chloroform	Ave	1.634	1.618		9.90	10.0	-1.0	30.0
1,1,1-Trichloroethane	Ave	0.3675	0.3616		9.84	10.0	-1.6	30.0
Cyclohexane	Ave	0.2536	0.2492		9.83	10.0	-1.7	30.0
Carbon tetrachloride	Ave	0.4015	0.3917		9.75	10.0	-2.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17112-1

SDG No.: _____

Lab Sample ID: ICV 200-54683/17 Calibration Date: 04/23/2013 09:48

Instrument ID: B.i Calib Start Date: 04/22/2013 16:28

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/22/2013 23:27

Lab File ID: bkz17.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7732	0.7502		9.70	10.0	-3.0	30.0
Benzene	Ave	0.5459	0.5237		9.59	10.0	-4.1	30.0
1,2-Dichloroethane	Ave	0.2108	0.2095		9.94	10.0	-0.6	30.0
n-Heptane	Ave	0.2501	0.2366		9.46	10.0	-5.4	30.0
n-Butanol	Ave	0.0824	0.0562		6.82	10.0	-31.8*	30.0
Trichloroethene	Ave	0.2478	0.2417		9.75	10.0	-2.5	30.0
1,2-Dichloropropane	Ave	0.1828	0.1726		9.44	10.0	-5.6	30.0
Methyl methacrylate	Ave	0.1890	0.1834		9.70	10.0	-3.0	30.0
1,4-Dioxane	Ave	0.0882	0.0673		7.63	10.0	-23.6	30.0
Dibromomethane	Ave	0.2682	0.2632		9.81	10.0	-1.9	30.0
Bromodichloromethane	Ave	0.3868	0.3893		10.1	10.0	0.6	30.0
cis-1,3-Dichloropropene	Ave	0.2976	0.2874		9.66	10.0	-3.4	30.0
methyl isobutyl ketone	Ave	0.3067	0.2978		9.71	10.0	-2.9	30.0
Toluene	Ave	0.4645	0.4315		9.29	10.0	-7.1	30.0
n-Octane	Ave	0.3583	0.3323		9.27	10.0	-7.3	30.0
trans-1,3-Dichloropropene	Ave	0.3079	0.2967		9.64	10.0	-3.6	30.0
1,1,2-Trichloroethane	Ave	0.2139	0.1935		9.04	10.0	-9.6	30.0
Tetrachloroethene	Ave	0.4474	0.4180		9.34	10.0	-6.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3194	0.2963		9.27	10.0	-7.3	30.0
Dibromochloromethane	Ave	0.4851	0.4859		10.0	10.0	0.2	30.0
1,2-Dibromoethane	Ave	0.4222	0.3966		9.39	10.0	-6.1	30.0
Chlorobenzene	Ave	0.6598	0.6086		9.22	10.0	-7.8	30.0
Ethylbenzene	Ave	1.012	0.9473		9.36	10.0	-6.4	30.0
n-Nonane	Ave	0.4188	0.3916		9.35	10.0	-6.5	30.0
m,p-Xylene	Ave	0.4163	0.3862		18.6	20.0	-7.2	30.0
Xylene, o-	Ave	0.4043	0.3701		9.15	10.0	-8.5	30.0
Styrene	Ave	0.6369	0.5800		9.11	10.0	-8.9	30.0
Bromoform	Ave	0.5316	0.5331		10.0	10.0	0.3	30.0
Cumene	Ave	1.172	1.105		9.43	10.0	-5.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5642	0.5144		9.12	10.0	-8.8	30.0
n-Propylbenzene	Ave	1.358	1.295		9.53	10.0	-4.7	30.0
1,2,3-Trichloropropane	Ave	0.4299	0.4091		9.51	10.0	-4.8	30.0
n-Decane	Ave	0.5198	0.4790		9.21	10.0	-7.8	30.0
4-Ethyltoluene	Ave	1.199	1.160		9.68	10.0	-3.2	30.0
2-Chlorotoluene	Ave	1.059	1.003		9.47	10.0	-5.2	30.0
1,3,5-Trimethylbenzene	Ave	1.001	0.9233		9.22	10.0	-7.7	30.0
Alpha Methyl Styrene	Ave	0.5113	0.3962		7.75	10.0	-22.5	30.0
tert-Butylbenzene	Ave	0.9703	0.9262		9.54	10.0	-4.5	30.0
1,2,4-Trimethylbenzene	Ave	0.9888	0.8913		9.01	10.0	-9.9	30.0
sec-Butylbenzene	Ave	1.432	1.362		9.51	10.0	-4.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17112-1
 SDG No.: _____
 Lab Sample ID: ICV 200-54683/17 Calibration Date: 04/23/2013 09:48
 Instrument ID: B.i Calib Start Date: 04/22/2013 16:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/22/2013 23:27
 Lab File ID: bkz17.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	1.248	1.184		9.49	10.0	-5.1	30.0
1,3-Dichlorobenzene	Ave	0.7498	0.6883		9.18	10.0	-8.2	30.0
1,4-Dichlorobenzene	Ave	0.7663	0.6961		9.08	10.0	-9.2	30.0
Benzyl chloride	Ave	0.7825	0.7567		9.67	10.0	-3.3	30.0
n-Undecane	Ave	0.5326	0.4076		7.65	10.0	-23.5	30.0
n-Butylbenzene	Ave	1.062	0.998		9.39	10.0	-6.0	30.0
1,2-Dichlorobenzene	Ave	0.7143	0.6365		8.91	10.0	-10.9	30.0
n-Dodecane	Ave	0.2922	0.0926		5.00	10.0	-68.3*	30.0
1,2,4-Trichlorobenzene	Ave	0.5074	0.5039		9.93	10.0	-0.7	30.0
Hexachlorobutadiene	Ave	0.4954	0.4592		9.27	10.0	-7.3	30.0
Naphthalene	Ave	0.8487	0.8681		10.2	10.0	2.3	30.0
1,2,3-Trichlorobenzene	Ave	0.3027	0.3783		12.5	10.0	25.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17112-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-57449/3 Calibration Date: 06/21/2013 15:38
 Instrument ID: B.i Calib Start Date: 04/22/2013 16:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/22/2013 23:27
 Lab File ID: bkzak03.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	0.4417	0.4811		10.9	10.0	8.9	30.0
Dichlorodifluoromethane	Ave	1.886	1.848		9.80	10.0	-2.0	30.0
Freon 22	Ave	0.9675	1.011		10.4	10.0	4.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.064	1.998		9.68	10.0	-3.2	30.0
Chloromethane	Ave	0.5550	0.5615		10.1	10.0	1.2	30.0
n-Butane	Ave	0.9096	0.9488		10.4	10.0	4.3	30.0
Vinyl chloride	Ave	0.7103	0.7173		10.1	10.0	1.0	30.0
1,3-Butadiene	Ave	0.4943	0.5180		10.5	10.0	4.8	30.0
Bromomethane	Ave	0.7873	0.8254		10.5	10.0	4.8	30.0
Chloroethane	Ave	0.4058	0.4756		11.7	10.0	17.2	30.0
Isopentane	Ave	0.7743	0.9534		12.3	10.0	23.1	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8402	0.8984		10.7	10.0	6.9	30.0
Trichlorofluoromethane	Ave	2.149	2.150		10.0	10.0	0.0	30.0
n-Pentane	Ave	1.144	1.489		13.0	10.0	30.1*	30.0
Ethanol	Ave	0.2235	0.3163		21.2	15.0	41.5*	30.0
Ethyl ether	Ave	0.5158	0.6568		12.7	10.0	27.3	30.0
Acrolein	Ave	0.2709	0.3426		12.6	10.0	26.5	30.0
Freon TF	Ave	1.625	1.765		10.9	10.0	8.6	30.0
1,1-Dichloroethene	Ave	0.7533	0.8512		11.3	10.0	13.0	30.0
Acetone	Ave	0.9716	1.133		11.7	10.0	16.6	30.0
Carbon disulfide	Ave	2.221	2.695		12.1	10.0	21.4	30.0
Isopropyl alcohol	Ave	0.7675	0.9065		11.8	10.0	18.1	30.0
3-Chloropropene	Ave	0.7069	0.9104		12.9	10.0	28.8	30.0
Acetonitrile	Ave	0.4462	0.6268		14.0	10.0	40.5*	30.0
Methylene Chloride	Ave	0.7004	0.8712		12.4	10.0	24.4	30.0
tert-Butyl alcohol	Ave	1.297	1.453		11.2	10.0	12.1	30.0
Methyl tert-butyl ether	Ave	2.235	2.531		11.3	10.0	13.2	30.0
trans-1,2-Dichloroethene	Ave	1.074	1.293		12.0	10.0	20.4	30.0
Acrylonitrile	Ave	0.4729	0.6273		13.3	10.0	32.7*	30.0
n-Hexane	Ave	1.156	1.441		12.5	10.0	24.7	30.0
1,1-Dichloroethane	Ave	1.319	1.586		12.0	10.0	20.2	30.0
Vinyl acetate	Ave	1.573	2.046		13.0	10.0	30.1*	30.0
cis-1,2-Dichloroethene	Ave	0.8699	0.9859		11.3	10.0	13.3	30.0
Methyl Ethyl Ketone	Ave	0.3978	0.4715		11.9	10.0	18.5	30.0
Ethyl acetate	Ave	0.0775	0.0867		11.2	10.0	11.8	30.0
Tetrahydrofuran	Ave	0.1441	0.1848		12.8	10.0	28.3	30.0
Chloroform	Ave	1.634	1.831		11.2	10.0	12.0	30.0
1,1,1-Trichloroethane	Ave	0.3675	0.3741		10.2	10.0	1.8	30.0
Cyclohexane	Ave	0.2536	0.2756		10.9	10.0	8.7	30.0
Carbon tetrachloride	Ave	0.4015	0.3871		9.64	10.0	-3.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17112-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-57449/3 Calibration Date: 06/21/2013 15:38
 Instrument ID: B.i Calib Start Date: 04/22/2013 16:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/22/2013 23:27
 Lab File ID: bkbzak03.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	0.7732	0.9239		11.9	10.0	19.5	30.0
Benzene	Ave	0.5459	0.6133		11.2	10.0	12.3	30.0
1,2-Dichloroethane	Ave	0.2108	0.2220		10.5	10.0	5.3	30.0
n-Heptane	Ave	0.2501	0.3088		12.3	10.0	23.5	30.0
n-Butanol	Ave	0.0824	0.0943		11.4	10.0	14.4	30.0
Trichloroethene	Ave	0.2478	0.2654		10.7	10.0	7.1	30.0
1,2-Dichloropropane	Ave	0.1828	0.2189		12.0	10.0	19.7	30.0
Methyl methacrylate	Ave	0.1890	0.2209		11.7	10.0	16.9	30.0
1,4-Dioxane	Ave	0.0882	0.0876		9.93	10.0	-0.7	30.0
Dibromomethane	Ave	0.2682	0.2572		9.59	10.0	-4.1	30.0
Bromodichloromethane	Ave	0.3868	0.4183		10.8	10.0	8.2	30.0
cis-1,3-Dichloropropene	Ave	0.2976	0.3388		11.4	10.0	13.8	30.0
methyl isobutyl ketone	Ave	0.3067	0.3868		12.6	10.0	26.1	30.0
Toluene	Ave	0.4645	0.5273		11.3	10.0	13.5	30.0
n-Octane	Ave	0.3583	0.4422		12.3	10.0	23.4	30.0
trans-1,3-Dichloropropene	Ave	0.3079	0.3427		11.1	10.0	11.3	30.0
1,1,2-Trichloroethane	Ave	0.2139	0.2575		12.0	10.0	20.3	30.0
Tetrachloroethene	Ave	0.4474	0.4453		9.95	10.0	-0.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3194	0.4199		13.1	10.0	31.5*	30.0
Dibromochloromethane	Ave	0.4851	0.5078		10.5	10.0	4.7	30.0
1,2-Dibromoethane	Ave	0.4222	0.4739		11.2	10.0	12.2	30.0
Chlorobenzene	Ave	0.6598	0.7170		10.9	10.0	8.7	30.0
Ethylbenzene	Ave	1.012	1.158		11.4	10.0	14.4	30.0
n-Nonane	Ave	0.4188	0.5368		12.8	10.0	28.2	30.0
m,p-Xylene	Ave	0.4163	0.4578		22.0	20.0	10.0	30.0
Xylene, o-	Ave	0.4043	0.4428		10.9	10.0	9.5	30.0
Styrene	Ave	0.6369	0.7196		11.3	10.0	13.0	30.0
Bromoform	Ave	0.5316	0.5536		10.4	10.0	4.1	30.0
Cumene	Ave	1.172	1.293		11.0	10.0	10.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5642	0.6883		12.2	10.0	22.0	30.0
n-Propylbenzene	Ave	1.358	1.588		11.7	10.0	16.9	30.0
1,2,3-Trichloropropane	Ave	0.4299	0.5088		11.8	10.0	18.4	30.0
n-Decane	Ave	0.5198	0.6806		13.1	10.0	30.9*	30.0
4-Ethyltoluene	Ave	1.199	1.355		11.3	10.0	13.0	30.0
2-Chlorotoluene	Ave	1.059	1.193		11.3	10.0	12.6	30.0
1,3,5-Trimethylbenzene	Ave	1.001	1.109		11.1	10.0	10.8	30.0
Alpha Methyl Styrene	Ave	0.5113	0.5715		11.2	10.0	11.8	30.0
tert-Butylbenzene	Ave	0.9703	1.038		10.7	10.0	7.0	30.0
1,2,4-Trimethylbenzene	Ave	0.9888	1.113		11.3	10.0	12.6	30.0
sec-Butylbenzene	Ave	1.432	1.612		11.3	10.0	12.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17112-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-57449/3 Calibration Date: 06/21/2013 15:38
 Instrument ID: B.i Calib Start Date: 04/22/2013 16:28
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 04/22/2013 23:27
 Lab File ID: bkzak03.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	1.248	1.353		10.8	10.0	8.4	30.0
1,3-Dichlorobenzene	Ave	0.7498	0.7906		10.5	10.0	5.4	30.0
1,4-Dichlorobenzene	Ave	0.7663	0.7940		10.4	10.0	3.6	30.0
Benzyl chloride	Ave	0.7825	0.9770		12.5	10.0	24.8	30.0
n-Undecane	Ave	0.5326	0.6959		13.1	10.0	30.7*	30.0
n-Butylbenzene	Ave	1.062	1.250		11.8	10.0	17.8	30.0
1,2-Dichlorobenzene	Ave	0.7143	0.7501		10.5	10.0	5.0	30.0
n-Dodecane	Ave	0.2922	0.2727		9.33	10.0	-6.7	30.0
1,2,4-Trichlorobenzene	Ave	0.5074	0.5618		11.1	10.0	10.7	30.0
Hexachlorobutadiene	Ave	0.4954	0.5161		10.4	10.0	4.2	30.0
Naphthalene	Ave	0.8487	1.069		12.6	10.0	26.0	30.0
1,2,3-Trichlorobenzene	Ave	0.3027	0.4249		14.0	10.0	40.4*	30.0

GC/MS Air Instrument Run Log

Sequence	Standard Traceability	Instrument Information
Target Batch ID: BKLZ	ISTD Container ID: 248060	Instrument ID: B
Test Method: T015	CCV Container ID: See comments	Instrument: 5973
ICAL Date: 4/22/13	ICV/LCS Container ID: See comments	Column Type: RTX-624

Analyst/Supervisor Signature(s): Insert signature when specified as project requirement. Otherwise leave this section blank.

Paul Daigle
Kritina Dugablon
Kristina Dugablon

Sequence Information				Individual Sample Review							
Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments
1429	BKLZ-01	N/A	BFB	N/A			PAD	N/A	✓	PAD	
1535	02	4634	✓IEBLK		1	200		✓	✓		474964
1628	03	4548	IC-08		2	40		N/A	✓		474964
1721	04	4548	IC-01		2	200			✓		483054
1814	05	2647	IC-02		3	200			✓		483032
1907	06	2874	STD		4	500			✓		481259
1959	07	5049	IC-03		5	100			✓		481259
2051	08	5049	ICIS-04		5	200			✓		474940
2143	09	3093	IC-05		6	200			✓		474942
2235	10	3413	IC-06		7	200			✓		481254
2327	11	3508	IC-07		8	200			✓		
0019	12	4634	✓IEBLK		1	200		✓	✓		
0112	13				1	200		✓	✓		
0204	14				1	200		✓	✓		
0256	15	2575	ICV-X		9	200		✓	✓		
0348	16	4634	✓IEBLK		1	200		✓	✓		
0948	17	5399	ICV		10	200		✓	✓		AG- 482067
										</	

PAD 4/23/13

5449

Sequence	Standard Traceability	Instrument Information
Target Batch ID: BKZAK	Start Date: 6/21/13 Time: 1356	Instrument ID: B
Test Method: 7015	End Date: 6/21/13 Time: 1356	Instrument: 5973
ICAL Date: 54683	ICVILCS Container ID: 507397	Column Type: RTX-624
Analyst / Supervisor Signature(s): Insert signature when specified as project requirement. Otherwise leave this section blank.		

[illegible]

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.: 200-17112-1

SDG No.: _____

Instrument ID: B.i Start Date: 04/22/2013 14:29Analysis Batch Number: 54683 End Date: 04/23/2013 09:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-54683/1		04/22/2013 14:29	1	bkz01.d	RTX-624 0.32 (mm)
VIBLK 200-54683/2		04/22/2013 15:35	1		RTX-624 0.32 (mm)
IC 200-54683/3		04/22/2013 16:28	1	bkz03.d	RTX-624 0.32 (mm)
IC 200-54683/4		04/22/2013 17:21	1	bkz04.d	RTX-624 0.32 (mm)
IC 200-54683/5		04/22/2013 18:14	1	bkz05.d	RTX-624 0.32 (mm)
ZZZZZ		04/22/2013 19:07	1		RTX-624 0.32 (mm)
IC 200-54683/7		04/22/2013 19:59	1	bkz07.d	RTX-624 0.32 (mm)
ICIS 200-54683/8		04/22/2013 20:51	1	bkz08.d	RTX-624 0.32 (mm)
IC 200-54683/9		04/22/2013 21:43	1	bkz09.d	RTX-624 0.32 (mm)
IC 200-54683/10		04/22/2013 22:35	1	bkz10.d	RTX-624 0.32 (mm)
IC 200-54683/11		04/22/2013 23:27	1	bkz11.d	RTX-624 0.32 (mm)
VIBLK 200-54683/12		04/23/2013 00:19	1		RTX-624 0.32 (mm)
VIBLK 200-54683/13		04/23/2013 01:12	1		RTX-624 0.32 (mm)
VIBLK 200-54683/14		04/23/2013 02:04	1		RTX-624 0.32 (mm)
ZZZZZ		04/23/2013 02:56	1		RTX-624 0.32 (mm)
VIBLK 200-54683/16		04/23/2013 03:48	1		RTX-624 0.32 (mm)
ICV 200-54683/17		04/23/2013 09:48	1	bkz17.d	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-17112-1

SDG No.: _____

Instrument ID: B.iStart Date: 06/21/2013 13:56Analysis Batch Number: 57449End Date: 06/22/2013 08:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-57449/1		06/21/2013 13:56	1	bkzak01.d	RTX-624 0.32 (mm)
CCVIS 200-57449/2		06/21/2013 14:47	1		RTX-624 0.32 (mm)
CCVIS 200-57449/3		06/21/2013 15:38	1	bkzak03.d	RTX-624 0.32 (mm)
LCS 200-57449/4		06/21/2013 16:30	1	bkzak04.d	RTX-624 0.32 (mm)
MB 200-57449/5		06/21/2013 17:22	1	bkzak05.d	RTX-624 0.32 (mm)
200-17112-5	5063	06/21/2013 18:22	0.2	bkzak06.d	RTX-624 0.32 (mm)
ZZZZZ		06/21/2013 19:21	0.2		RTX-624 0.32 (mm)
ZZZZZ		06/21/2013 20:21	0.2		RTX-624 0.32 (mm)
ZZZZZ		06/21/2013 21:13	2		RTX-624 0.32 (mm)
ZZZZZ		06/21/2013 22:06	2		RTX-624 0.32 (mm)
ZZZZZ		06/21/2013 22:58	19.9		RTX-624 0.32 (mm)
ZZZZZ		06/21/2013 23:50	1		RTX-624 0.32 (mm)
ZZZZZ		06/22/2013 00:42	1		RTX-624 0.32 (mm)
ZZZZZ		06/22/2013 01:34	1		RTX-624 0.32 (mm)
ZZZZZ		06/22/2013 02:26	1		RTX-624 0.32 (mm)
ZZZZZ		06/22/2013 03:18	1		RTX-624 0.32 (mm)
ZZZZZ		06/22/2013 04:10	1		RTX-624 0.32 (mm)
ZZZZZ		06/22/2013 05:02	1		RTX-624 0.32 (mm)
ZZZZZ		06/22/2013 05:54	1		RTX-624 0.32 (mm)
ZZZZZ		06/22/2013 06:46	1		RTX-624 0.32 (mm)
ZZZZZ		06/22/2013 07:38	1		RTX-624 0.32 (mm)
ZZZZZ		06/22/2013 08:30	1		RTX-624 0.32 (mm)

Subcontract Data

Shipping and Receiving Documents

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						Project Manager: Dino Zuck		Samples Collected By: DZ							of COCs									
Company: AECOM						Phone: 716-866-8222																		
Address: 100 Corporate Pkwy						Email: dino.zuck@aecom.com																		
City/State/Zip: Albany, NY						Site Contact: D Zuck																		
Phone: 716-836-4506						TA Contact: B Fisher																		
FAX:																								
Project Name: Scott Avenue						Analysis Turnaround Time																		
Site:						Standard (Specify)																		
PO #						Rush (Specify)																		
Sample Identification						Sample Date(s)	Time Start	Time Stop	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)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
LRP Effluent 3 Q13						7/1/13	1120	1120	-29.3	N/A	N/A	2733	X											X
AS Effluent 3 Q13						7/1/13	1130	1130	-29.3	N/A	N/A	4448	Y										Y	
						Interior		Ambient																
Start																								
Stop																								
						Interior		Pressure (inches of Hg)																
Start								Ambient																
Stop																								
Special Instructions/QC Requirements & Comments: Air Stripped: Liquid Ring pump Ambient 21.1#1																								
Samples Shipped by: [Signature]						Date/Time: 7/1/13 12:45 PM	Samples Received by: [Signature]						Date/Time: 7.1.13 @ 23:30											
Samples Relinquished by:						Date/Time:	Received by:																	
Relinquished by:						Date/Time:	Received by:																	

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-41199-1

Login Number: 41199

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert K

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.	False	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-41199-1

Login Number: 41199

List Number: 1

Creator: Poucher, Stephanie A

List Source: TestAmerica Burlington

List Creation: 07/03/13 03:09 PM

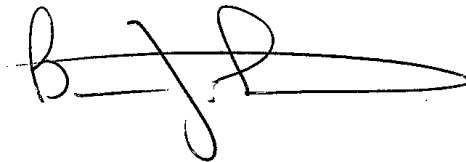
Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	951290, 293, 294
Sample custody seals, if present, are intact.	True	
The cooler or samples do 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	ambient
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	Received project as a subcontract.
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 480-41198-1

Job Description: Scott Aviation site

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



Approved for release.
Brian J Fischer
Project Manager II
7/11/2013 4:28 PM

Brian J Fischer, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9835
brian.fischer@testamericainc.com
07/11/2013

cc: Ms. Helen Jones

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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
480-41198-1

Comments

No additional comments.

Receipt

The samples were received on 7/1/2013 7:08 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.3° C.

Except:

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): MW-16 (480-41198-8). The container labels and the project set-up list MW-16S. The COC lists MW-16. Samples are logged in as per the bottle labels and project set-up.

GC/MS VOA

Method(s) 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: Duplicate (480-41198-9), MW-16 (480-41198-8), MW-4 (480-41198-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was analyzed with headspace in the sample vial: MW-16 (480-41198-8), MW-4 (480-41198-3).

Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: (480-41198-9 MS), (480-41198-9 MSD), Duplicate (480-41198-9), MW-16 (480-41198-8), MW-4 (480-41198-3). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 480-41198-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-41198-1	MW-2	Ground Water	07/01/2013 1015	07/01/2013 1908
480-41198-2	MW-3	Ground Water	07/01/2013 1330	07/01/2013 1908
480-41198-3	MW-4	Ground Water	07/01/2013 1415	07/01/2013 1908
480-41198-4	MW-6	Ground Water	07/01/2013 1210	07/01/2013 1908
480-41198-5	MW-10	Water	07/01/2013 1130	07/01/2013 1908
480-41198-6	MW-11	Ground Water	07/01/2013 1100	07/01/2013 1908
480-41198-7	MW-12	Ground Water	07/01/2013 1300	07/01/2013 1908
480-41198-8	MW-16S	Ground Water	07/01/2013 1530	07/01/2013 1908
480-41198-9FD	Duplicate	Water	07/01/2013 1345	07/01/2013 1908
480-41198-10RB	Rinse Blank	Water	07/01/2013 1440	07/01/2013 1908
480-41198-11TB	Trip Blank	Water	07/01/2013 0000	07/01/2013 1908

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-41198-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-41198-1 Chloroethane	MW-2	3.6		1.0	ug/L	8260B
480-41198-2 1,1-Dichloroethane Chloroethane cis-1,2-Dichloroethene Vinyl chloride	MW-3	10 3.6 3.5 10		1.0 1.0 1.0 1.0	ug/L ug/L ug/L ug/L	8260B 8260B 8260B 8260B
480-41198-3 1,1-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene Trichloroethene Vinyl chloride	MW-4	700 150 58000 120 14000 300		100 100 1000 100 1000 100	ug/L ug/L ug/L ug/L ug/L ug/L	8260B 8260B 8260B 8260B 8260B 8260B
480-41198-6 1,1,1-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethene Chloroethane cis-1,2-Dichloroethene Trichloroethene Vinyl chloride	MW-11	1.4 13 1.8 21 55 0.46 20		1.0 1.0 1.0 1.0 1.0 1.0 1.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	8260B 8260B 8260B 8260B 8260B 8260B 8260B
480-41198-7 1,2-Dichloroethane Benzene Chloroethane Vinyl chloride	MW-12	0.30 0.95 38 6.6	J J	1.0 1.0 1.0 1.0	ug/L ug/L ug/L ug/L	8260B 8260B 8260B 8260B
480-41198-8 1,1,1-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethene Chloroethane cis-1,2-Dichloroethene trans-1,2-Dichloroethene Trichloroethene Vinyl chloride	MW-16S	2600 1200 590 1200 65000 250 120000 5400		200 200 200 200 2000 200 2000 200	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-41198-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-41198-9FD	DUPLICATE					
1,1-Dichloroethane		690		100	ug/L	8260B
1,1-Dichloroethene		160		100	ug/L	8260B
cis-1,2-Dichloroethene		57000		1000	ug/L	8260B
trans-1,2-Dichloroethene		120		100	ug/L	8260B
Trichloroethene		14000		1000	ug/L	8260B
Vinyl chloride		250		100	ug/L	8260B
480-41198-10RB	RINSE BLANK					
Methylene Chloride		0.44	J	1.0	ug/L	8260B

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 480-41198-1

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

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: 480-41198-1

Method	Analyst	Analyst ID
SW846 8260B	Brandt, Todd R	TRB
SW846 8260B	Cwiklinski, Charles D	CDC
SW846 8260B	Quirk, Patrick J	PJQ

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: MW-2

Lab Sample ID: 480-41198-1

Date Sampled: 07/01/2013 1015

Client Matrix: Ground Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127701	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9266.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 0041			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 0041				

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	3.6		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: 480-41198-1

Client Sample ID: MW-2

Lab Sample ID: 480-41198-1

Date Sampled: 07/01/2013 1015

Client Matrix: Ground Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127701	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9266.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 0041			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 0041				

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

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: MW-3

Lab Sample ID: 480-41198-2

Date Sampled: 07/01/2013 1330

Client Matrix: Ground Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127701	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9267.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 0108			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 0108				

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	10		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	3.6		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	3.5		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: 480-41198-1

Client Sample ID: MW-3

Lab Sample ID: 480-41198-2

Date Sampled: 07/01/2013 1330

Client Matrix: Ground Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127701	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9267.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 0108			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 0108				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	10		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		66 - 137
4-Bromofluorobenzene (Surr)	103		73 - 120
Toluene-d8 (Surr)	104		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: MW-4

Lab Sample ID: 480-41198-3

Date Sampled: 07/01/2013 1415

Client Matrix: Ground Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127825	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9288.D
Dilution:	100			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 1603			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 1603				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		82	100
1,1,2,2-Tetrachloroethane	ND		21	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		31	100
1,1,2-Trichloroethane	ND		23	100
1,1-Dichloroethane	700		38	100
1,1-Dichloroethene	150		29	100
1,2,4-Trichlorobenzene	ND		41	100
1,2-Dibromo-3-Chloropropane	ND		39	100
1,2-Dibromoethane	ND		73	100
1,2-Dichlorobenzene	ND		79	100
1,2-Dichloroethane	ND		21	100
1,2-Dichloropropane	ND		72	100
1,3-Dichlorobenzene	ND		78	100
1,4-Dichlorobenzene	ND		84	100
2-Butanone (MEK)	ND		130	1000
2-Hexanone	ND		120	500
4-Methyl-2-pentanone (MIBK)	ND		210	500
Acetone	ND		300	1000
Benzene	ND		41	100
Bromodichloromethane	ND		39	100
Bromoform	ND		26	100
Bromomethane	ND		69	100
Carbon disulfide	ND		19	100
Carbon tetrachloride	ND		27	100
Chlorobenzene	ND		75	100
Chloroethane	ND		32	100
Chloroform	ND		34	100
Chloromethane	ND		35	100
cis-1,2-Dichloroethene	51000	E	81	100
cis-1,3-Dichloropropene	ND		36	100
Cyclohexane	ND		18	100
Dibromochloromethane	ND		32	100
Dichlorodifluoromethane	ND		68	100
Ethylbenzene	ND		74	100
Isopropylbenzene	ND		79	100
Methyl acetate	ND		50	100
Methyl tert-butyl ether	ND		16	100
Methylcyclohexane	ND		16	100
Methylene Chloride	ND		44	100
Styrene	ND		73	100
Tetrachloroethene	ND		36	100
Toluene	ND		51	100
trans-1,2-Dichloroethene	120		90	100
trans-1,3-Dichloropropene	ND		37	100
Trichloroethene	15000	E	46	100
Trichlorofluoromethane	ND		88	100

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: MW-4

Lab Sample ID: 480-41198-3

Date Sampled: 07/01/2013 1415

Client Matrix: Ground Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127825	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9288.D
Dilution:	100			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 1603			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 1603				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	300		90	100
Xylenes, Total	ND		66	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	102		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: MW-4

Lab Sample ID: 480-41198-3

Client Matrix: Ground Water

Date Sampled: 07/01/2013 1415

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127928	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9314.D
Dilution:	1000			Initial Weight/Volume:	1 uL
Analysis Date:	07/09/2013 1036	Run Type:	DL	Final Weight/Volume:	1 uL
Prep Date:	07/09/2013 1036				

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	590	J	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	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	14000		460	1000
Trichlorofluoromethane	ND		880	1000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: MW-4

Lab Sample ID: 480-41198-3

Date Sampled: 07/01/2013 1415

Client Matrix: Ground Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127928	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9314.D
Dilution:	1000			Initial Weight/Volume:	1 uL
Analysis Date:	07/09/2013 1036	Run Type:	DL	Final Weight/Volume:	1 uL
Prep Date:	07/09/2013 1036				

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)	105		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	101		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: MW-6

Lab Sample ID: 480-41198-4

Date Sampled: 07/01/2013 1210

Client Matrix: Ground Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127701	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9269.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 0204			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 0204				

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: 480-41198-1

Client Sample ID: MW-6

Lab Sample ID: 480-41198-4

Date Sampled: 07/01/2013 1210

Client Matrix: Ground Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127701	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9269.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 0204			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 0204				

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)	106		66 - 137
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	102		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: MW-10

Lab Sample ID: 480-41198-5

Date Sampled: 07/01/2013 1130

Client Matrix: Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127701	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9270.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 0231			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 0231				

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: 480-41198-1

Client Sample ID: MW-10

Lab Sample ID: 480-41198-5

Date Sampled: 07/01/2013 1130

Client Matrix: Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127701	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9270.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 0231			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 0231				

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)	107		66 - 137
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	104		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: MW-11

Lab Sample ID: 480-41198-6

Date Sampled: 07/01/2013 1100

Client Matrix: Ground Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127701	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9271.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 0259			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 0259				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.4		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	13		0.38	1.0
1,1-Dichloroethene	1.8		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	21		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	55		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	0.46	J	0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: MW-11

Lab Sample ID: 480-41198-6

Date Sampled: 07/01/2013 1100

Client Matrix: Ground Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127701	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9271.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 0259			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 0259				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	20		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)	100		73 - 120
Toluene-d8 (Surr)	103		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: MW-12

Lab Sample ID: 480-41198-7

Date Sampled: 07/01/2013 1300

Client Matrix: Ground Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127701	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9272.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 0327			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 0327				

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	0.30	J	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	0.95	J	0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	38		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: 480-41198-1

Client Sample ID: MW-12

Lab Sample ID: 480-41198-7

Date Sampled: 07/01/2013 1300

Client Matrix: Ground Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127701	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9272.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 0327			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 0327				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	6.6		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
4-Bromofluorobenzene (Surr)	98		73 - 120
Toluene-d8 (Surr)	103		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: MW-16S

Lab Sample ID: 480-41198-8

Client Matrix: Ground Water

Date Sampled: 07/01/2013 1530

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127825	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9289.D
Dilution:	200			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 1631			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 1631				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	2600		160	200
1,1,2,2-Tetrachloroethane	ND		42	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		62	200
1,1,2-Trichloroethane	ND		46	200
1,1-Dichloroethane	1200		76	200
1,1-Dichloroethene	590		58	200
1,2,4-Trichlorobenzene	ND		82	200
1,2-Dibromo-3-Chloropropane	ND		78	200
1,2-Dibromoethane	ND		150	200
1,2-Dichlorobenzene	ND		160	200
1,2-Dichloroethane	ND		42	200
1,2-Dichloropropane	ND		140	200
1,3-Dichlorobenzene	ND		160	200
1,4-Dichlorobenzene	ND		170	200
2-Butanone (MEK)	ND		260	2000
2-Hexanone	ND		250	1000
4-Methyl-2-pentanone (MIBK)	ND		420	1000
Acetone	ND		600	2000
Benzene	ND		82	200
Bromodichloromethane	ND		78	200
Bromoform	ND		52	200
Bromomethane	ND		140	200
Carbon disulfide	ND		38	200
Carbon tetrachloride	ND		54	200
Chlorobenzene	ND		150	200
Chloroethane	1200		64	200
Chloroform	ND		68	200
Chloromethane	ND		70	200
cis-1,2-Dichloroethene	63000	E	160	200
cis-1,3-Dichloropropene	ND		72	200
Cyclohexane	ND		36	200
Dibromochloromethane	ND		64	200
Dichlorodifluoromethane	ND		140	200
Ethylbenzene	ND		150	200
Isopropylbenzene	ND		160	200
Methyl acetate	ND		100	200
Methyl tert-butyl ether	ND		32	200
Methylcyclohexane	ND		32	200
Methylene Chloride	ND		88	200
Styrene	ND		150	200
Tetrachloroethene	ND		72	200
Toluene	ND		100	200
trans-1,2-Dichloroethene	250		180	200
trans-1,3-Dichloropropene	ND		74	200
Trichloroethene	100000	E	92	200
Trichlorofluoromethane	ND		180	200

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: MW-16S

Lab Sample ID: 480-41198-8

Date Sampled: 07/01/2013 1530

Client Matrix: Ground Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127825	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9289.D
Dilution:	200			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 1631			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 1631				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	5400		180	200
Xylenes, Total	ND		130	400

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	102		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: MW-16S

Lab Sample ID: 480-41198-8

Client Matrix: Ground Water

Date Sampled: 07/01/2013 1530

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127928	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9315.D
Dilution:	2000			Initial Weight/Volume:	1 uL
Analysis Date:	07/09/2013 1104	Run Type:	DL	Final Weight/Volume:	1 uL
Prep Date:	07/09/2013 1104				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	2300		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	1100	J	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	65000		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	120000		920	2000
Trichlorofluoromethane	ND		1800	2000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: MW-16S

Lab Sample ID: 480-41198-8

Date Sampled: 07/01/2013 1530

Client Matrix: Ground Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127928	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9315.D
Dilution:	2000			Initial Weight/Volume:	1 uL
Analysis Date:	07/09/2013 1104	Run Type:	DL	Final Weight/Volume:	1 uL
Prep Date:	07/09/2013 1104				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	5100		1800	2000
Xylenes, Total	ND		1300	4000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		66 - 137
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	101		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: Duplicate

Lab Sample ID: 480-41198-9FD

Date Sampled: 07/01/2013 1345

Client Matrix: Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127825	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9290.D
Dilution:	100			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 1659			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 1659				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		82	100
1,1,2,2-Tetrachloroethane	ND		21	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		31	100
1,1,2-Trichloroethane	ND		23	100
1,1-Dichloroethane	690		38	100
1,1-Dichloroethene	160		29	100
1,2,4-Trichlorobenzene	ND		41	100
1,2-Dibromo-3-Chloropropane	ND		39	100
1,2-Dibromoethane	ND		73	100
1,2-Dichlorobenzene	ND		79	100
1,2-Dichloroethane	ND		21	100
1,2-Dichloropropane	ND		72	100
1,3-Dichlorobenzene	ND		78	100
1,4-Dichlorobenzene	ND		84	100
2-Butanone (MEK)	ND		130	1000
2-Hexanone	ND		120	500
4-Methyl-2-pentanone (MIBK)	ND		210	500
Acetone	ND		300	1000
Benzene	ND		41	100
Bromodichloromethane	ND		39	100
Bromoform	ND		26	100
Bromomethane	ND		69	100
Carbon disulfide	ND		19	100
Carbon tetrachloride	ND		27	100
Chlorobenzene	ND		75	100
Chloroethane	ND		32	100
Chloroform	ND		34	100
Chloromethane	ND		35	100
cis-1,2-Dichloroethene	51000	E	81	100
cis-1,3-Dichloropropene	ND		36	100
Cyclohexane	ND		18	100
Dibromochloromethane	ND		32	100
Dichlorodifluoromethane	ND		68	100
Ethylbenzene	ND		74	100
Isopropylbenzene	ND		79	100
Methyl acetate	ND		50	100
Methyl tert-butyl ether	ND		16	100
Methylcyclohexane	ND		16	100
Methylene Chloride	ND		44	100
Styrene	ND		73	100
Tetrachloroethene	ND		36	100
Toluene	ND		51	100
trans-1,2-Dichloroethene	120		90	100
trans-1,3-Dichloropropene	ND		37	100
Trichloroethene	15000	E	46	100
Trichlorofluoromethane	ND		88	100

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: Duplicate

Lab Sample ID: 480-41198-9FD

Date Sampled: 07/01/2013 1345

Client Matrix: Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127825	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9290.D
Dilution:	100			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 1659			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 1659				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	250		90	100
Xylenes, Total	ND		66	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	103		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: Duplicate

Lab Sample ID: 480-41198-9FD

Date Sampled: 07/01/2013 1345

Client Matrix: Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127928	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9316.D
Dilution:	1000			Initial Weight/Volume:	1 uL
Analysis Date:	07/09/2013 1131	Run Type:	DL	Final Weight/Volume:	1 uL
Prep Date:	07/09/2013 1131				

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	620	J	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	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	14000		460	1000
Trichlorofluoromethane	ND		880	1000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: Duplicate

Lab Sample ID: 480-41198-9FD

Date Sampled: 07/01/2013 1345

Client Matrix: Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127928	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9316.D
Dilution:	1000			Initial Weight/Volume:	1 uL
Analysis Date:	07/09/2013 1131	Run Type:	DL	Final Weight/Volume:	1 uL
Prep Date:	07/09/2013 1131				

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)	104		66 - 137
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	103		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: Rinse Blank

Lab Sample ID: 480-41198-10RB

Client Matrix: Water

Date Sampled: 07/01/2013 1440

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127928	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9317.D
Dilution:	1.0			Initial Weight/Volume:	1 uL
Analysis Date:	07/09/2013 1159			Final Weight/Volume:	1 uL
Prep Date:	07/09/2013 1159				

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	0.44	J	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: 480-41198-1

Client Sample ID: Rinse Blank

Lab Sample ID: 480-41198-10RB

Date Sampled: 07/01/2013 1440

Client Matrix: Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127928	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9317.D
Dilution:	1.0			Initial Weight/Volume:	1 uL
Analysis Date:	07/09/2013 1159			Final Weight/Volume:	1 uL
Prep Date:	07/09/2013 1159				

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)	105		66 - 137
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-41198-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-41198-11TB

Date Sampled: 07/01/2013 0000

Client Matrix: Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127825	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9292.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 1755			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 1755				

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: 480-41198-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-41198-11TB

Date Sampled: 07/01/2013 0000

Client Matrix: Water

Date Received: 07/01/2013 1908

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-127825	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q9292.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2013 1755			Final Weight/Volume:	5 mL
Prep Date:	07/08/2013 1755				

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)	106		66 - 137
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	103		71 - 126

Client: AECOM, Inc.

Job Number: 480-41198-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-41198-1	MW-2	102	102	100
480-41198-2	MW-3	107	104	103
480-41198-3	MW-4	105	102	101
480-41198-3 DL	MW-4 DL	105	101	101
480-41198-4	MW-6	106	102	102
480-41198-5	MW-10	107	104	100
480-41198-6	MW-11	101	103	100
480-41198-7	MW-12	102	103	98
480-41198-8	MW-16S	103	102	101
480-41198-8 DL	MW-16S DL	106	101	99
480-41198-9	Duplicate	106	103	101
480-41198-9 DL	Duplicate DL	104	103	99
480-41198-10	Rinse Blank	105	100	99
480-41198-11	Trip Blank	106	103	100
MB 480-127701/5		98	104	103
MB 480-127825/4		104	101	101
MB 480-127928/4		103	102	101
LCS 480-127701/4		100	105	104
LCS 480-127825/3		107	104	105
LCS 480-127928/3		105	102	105
480-41198-9 MS	Duplicate MS	103	103	102
480-41198-9 MSD	Duplicate MSD	105	102	102

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: 480-41198-1

Method Blank - Batch: 480-127701

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-127701/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 07/07/2013 2220
 Prep Date: 07/07/2013 2220
 Leach Date: N/A

Analysis Batch: 480-127701
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973Q
 Lab File ID: Q9262.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		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: 480-41198-1

Method Blank - Batch: 480-127701

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-127701/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/07/2013 2220
Prep Date: 07/07/2013 2220
Leach Date: N/A

Analysis Batch: 480-127701
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973Q
Lab File ID: Q9262.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

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)	103	73 - 120
Toluene-d8 (Surr)	104	71 - 126

Lab Control Sample - Batch: 480-127701

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 480-127701/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/07/2013 2153
Prep Date: 07/07/2013 2153
Leach Date: N/A

Analysis Batch: 480-127701
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973Q
Lab File ID: Q9261.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	22.1	89	71 - 129	
1,1-Dichloroethene	25.0	18.9	76	58 - 121	
1,2-Dichlorobenzene	25.0	23.8	95	80 - 124	
1,2-Dichloroethane	25.0	22.1	88	75 - 127	
Benzene	25.0	23.3	93	71 - 124	
Chlorobenzene	25.0	25.1	101	72 - 120	
cis-1,2-Dichloroethene	25.0	23.4	94	74 - 124	
Ethylbenzene	25.0	24.8	99	77 - 123	
Methyl tert-butyl ether	25.0	23.1	92	64 - 127	
Tetrachloroethene	25.0	25.2	101	74 - 122	
Toluene	25.0	24.3	97	80 - 122	
trans-1,2-Dichloroethene	25.0	23.5	94	73 - 127	
Trichloroethene	25.0	22.2	89	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	66 - 137
4-Bromofluorobenzene (Surr)	104	73 - 120
Toluene-d8 (Surr)	105	71 - 126

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-41198-1

Method Blank - Batch: 480-127825

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-127825/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/08/2013 1531
Prep Date: 07/08/2013 1531
Leach Date: N/A

Analysis Batch: 480-127825
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973Q
Lab File ID: Q9287.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		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: 480-41198-1

Method Blank - Batch: 480-127825

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-127825/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/08/2013 1531
Prep Date: 07/08/2013 1531
Leach Date: N/A

Analysis Batch: 480-127825
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973Q
Lab File ID: Q9287.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

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)	104	66 - 137
4-Bromofluorobenzene (Surr)	101	73 - 120
Toluene-d8 (Surr)	101	71 - 126

Lab Control Sample - Batch: 480-127825

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 480-127825/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/08/2013 1503
Prep Date: 07/08/2013 1503
Leach Date: N/A

Analysis Batch: 480-127825
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973Q
Lab File ID: Q9286.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	26.4	106	71 - 129	
1,1-Dichloroethene	25.0	22.9	92	58 - 121	
1,2-Dichlorobenzene	25.0	25.4	101	80 - 124	
1,2-Dichloroethane	25.0	26.1	104	75 - 127	
Benzene	25.0	26.9	108	71 - 124	
Chlorobenzene	25.0	27.4	110	72 - 120	
cis-1,2-Dichloroethene	25.0	26.3	105	74 - 124	
Ethylbenzene	25.0	26.8	107	77 - 123	
Methyl tert-butyl ether	25.0	27.4	110	64 - 127	
Tetrachloroethene	25.0	27.8	111	74 - 122	
Toluene	25.0	26.4	106	80 - 122	
trans-1,2-Dichloroethene	25.0	27.0	108	73 - 127	
Trichloroethene	25.0	25.8	103	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	66 - 137
4-Bromofluorobenzene (Surr)	105	73 - 120
Toluene-d8 (Surr)	104	71 - 126

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-41198-1

Method Blank - Batch: 480-127928

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-127928/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 07/09/2013 1002
 Prep Date: 07/09/2013 1002
 Leach Date: N/A

Analysis Batch: 480-127928
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973Q
 Lab File ID: Q9313.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		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: 480-41198-1

Method Blank - Batch: 480-127928

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-127928/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/09/2013 1002
Prep Date: 07/09/2013 1002
Leach Date: N/A

Analysis Batch: 480-127928
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973Q
Lab File ID: Q9313.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

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)	103	66 - 137
4-Bromofluorobenzene (Surr)	101	73 - 120
Toluene-d8 (Surr)	102	71 - 126

Lab Control Sample - Batch: 480-127928

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 480-127928/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/09/2013 0934
Prep Date: 07/09/2013 0934
Leach Date: N/A

Analysis Batch: 480-127928
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973Q
Lab File ID: Q9312.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	24.0	96	71 - 129	
1,1-Dichloroethene	25.0	21.3	85	58 - 121	
1,2-Dichlorobenzene	25.0	24.3	97	80 - 124	
1,2-Dichloroethane	25.0	24.0	96	75 - 127	
Benzene	25.0	25.1	100	71 - 124	
Chlorobenzene	25.0	25.7	103	72 - 120	
cis-1,2-Dichloroethene	25.0	24.4	97	74 - 124	
Ethylbenzene	25.0	25.3	101	77 - 123	
Methyl tert-butyl ether	25.0	24.7	99	64 - 127	
Tetrachloroethene	25.0	25.9	104	74 - 122	
Toluene	25.0	25.5	102	80 - 122	
trans-1,2-Dichloroethene	25.0	25.3	101	73 - 127	
Trichloroethene	25.0	24.0	96	74 - 123	

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

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-41198-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 480-127928

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	480-41198-9	Analysis Batch:	480-127928	Instrument ID:	HP5973Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q9327.D
Dilution:	1000	Leach Batch:	N/A	Initial Weight/Volume:	1 uL
Analysis Date:	07/09/2013 1637			Final Weight/Volume:	1 uL
Prep Date:	07/09/2013 1637				
Leach Date:	N/A				

MSD Lab Sample ID:	480-41198-9	Analysis Batch:	480-127928	Instrument ID:	HP5973Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q9328.D
Dilution:	1000	Leach Batch:	N/A	Initial Weight/Volume:	1 uL
Analysis Date:	07/09/2013 1705			Final Weight/Volume:	1 uL
Prep Date:	07/09/2013 1705				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1-Dichloroethane	103	100	71 - 129	3	20		
1,1-Dichloroethene	90	88	58 - 121	2	16		
1,2-Dichlorobenzene	97	97	80 - 124	0	20		
1,2-Dichloroethane	101	100	75 - 127	1	20		
Benzene	106	102	71 - 124	3	13		
Chlorobenzene	107	102	72 - 120	5	25		
cis-1,2-Dichloroethene	89	79	74 - 124	3	15		
Ethylbenzene	105	101	77 - 123	4	15		
Methyl tert-butyl ether	106	105	64 - 127	0	37		
Tetrachloroethene	107	101	74 - 122	6	20		
Toluene	106	100	80 - 122	6	15		
trans-1,2-Dichloroethene	109	102	73 - 127	6	20		
Trichloroethene	98	92	74 - 123	4	16		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	103		105		66 - 137		
4-Bromofluorobenzene (Surr)	102		102		73 - 120		
Toluene-d8 (Surr)	103		102		71 - 126		

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-41198-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-127928**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 480-41198-9 Units: ug/L
Client Matrix: Water
Dilution: 1000
Analysis Date: 07/09/2013 1637
Prep Date: 07/09/2013 1637
Leach Date: N/A

MSD Lab Sample ID: 480-41198-9
Client Matrix: Water
Dilution: 1000
Analysis Date: 07/09/2013 1705
Prep Date: 07/09/2013 1705
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethane	620 J	25000	25000	26300	25500
1,1-Dichloroethene	ND	25000	25000	22400	22000
1,2-Dichlorobenzene	ND	25000	25000	24200	24300
1,2-Dichloroethane	ND	25000	25000	25200	24900
Benzene	ND	25000	25000	26500	25600
Chlorobenzene	ND	25000	25000	26600	25400
cis-1,2-Dichloroethene	57000	25000	25000	79100	76700
Ethylbenzene	ND	25000	25000	26200	25300
Methyl tert-butyl ether	ND	25000	25000	26500	26300
Tetrachloroethene	ND	25000	25000	26700	25200
Toluene	ND	25000	25000	26500	25000
trans-1,2-Dichloroethene	ND	25000	25000	27300	25600
Trichloroethene	14000	25000	25000	38600	36900

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 480-41198-1

Lab Section	Qualifier	Description
GC/MS VOA	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: 480-41198-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-127701					
LCS 480-127701/4	Lab Control Sample	T	Water	8260B	
MB 480-127701/5	Method Blank	T	Water	8260B	
480-41198-1	MW-2	T	Water	8260B	
480-41198-2	MW-3	T	Water	8260B	
480-41198-4	MW-6	T	Water	8260B	
480-41198-5	MW-10	T	Water	8260B	
480-41198-6	MW-11	T	Water	8260B	
480-41198-7	MW-12	T	Water	8260B	
Analysis Batch:480-127825					
LCS 480-127825/3	Lab Control Sample	T	Water	8260B	
MB 480-127825/4	Method Blank	T	Water	8260B	
480-41198-3	MW-4	T	Water	8260B	
480-41198-8	MW-16S	T	Water	8260B	
480-41198-9FD	Duplicate	T	Water	8260B	
480-41198-11TB	Trip Blank	T	Water	8260B	
Analysis Batch:480-127928					
LCS 480-127928/3	Lab Control Sample	T	Water	8260B	
MB 480-127928/4	Method Blank	T	Water	8260B	
480-41198-3DL	MW-4	T	Water	8260B	
480-41198-8DL	MW-16S	T	Water	8260B	
480-41198-9FDDL	Duplicate	T	Water	8260B	
480-41198-9MS	Matrix Spike	T	Water	8260B	
480-41198-9MSD	Matrix Spike Duplicate	T	Water	8260B	
480-41198-10RB	Rinse Blank	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-41198-1

Laboratory Chronicle

Lab ID: 480-41198-1

Client ID: MW-2

Sample Date/Time: 07/01/2013 10:15

Received Date/Time: 07/01/2013 19:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-41198-A-1		480-127701		07/08/2013 00:41	1	TAL BUF	TRB
A:8260B	480-41198-A-1		480-127701		07/08/2013 00:41	1	TAL BUF	TRB

Lab ID: 480-41198-2

Client ID: MW-3

Sample Date/Time: 07/01/2013 13:30

Received Date/Time: 07/01/2013 19:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-41198-A-2		480-127701		07/08/2013 01:08	1	TAL BUF	TRB
A:8260B	480-41198-A-2		480-127701		07/08/2013 01:08	1	TAL BUF	TRB

Lab ID: 480-41198-3

Client ID: MW-4

Sample Date/Time: 07/01/2013 14:15

Received Date/Time: 07/01/2013 19:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-41198-B-3		480-127825		07/08/2013 16:03	100	TAL BUF	PJQ
A:8260B	480-41198-B-3		480-127825		07/08/2013 16:03	100	TAL BUF	PJQ
P:5030B	480-41198-B-3	DL	480-127928		07/09/2013 10:36	1000	TAL BUF	CDC
A:8260B	480-41198-B-3	DL	480-127928		07/09/2013 10:36	1000	TAL BUF	CDC

Lab ID: 480-41198-4

Client ID: MW-6

Sample Date/Time: 07/01/2013 12:10

Received Date/Time: 07/01/2013 19:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-41198-A-4		480-127701		07/08/2013 02:04	1	TAL BUF	TRB
A:8260B	480-41198-A-4		480-127701		07/08/2013 02:04	1	TAL BUF	TRB

Lab ID: 480-41198-5

Client ID: MW-10

Sample Date/Time: 07/01/2013 11:30

Received Date/Time: 07/01/2013 19:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-41198-A-5		480-127701		07/08/2013 02:31	1	TAL BUF	TRB
A:8260B	480-41198-A-5		480-127701		07/08/2013 02:31	1	TAL BUF	TRB

Lab ID: 480-41198-6

Client ID: MW-11

Sample Date/Time: 07/01/2013 11:00

Received Date/Time: 07/01/2013 19:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-41198-A-6		480-127701		07/08/2013 02:59	1	TAL BUF	TRB
A:8260B	480-41198-A-6		480-127701		07/08/2013 02:59	1	TAL BUF	TRB

TestAmerica Buffalo

A = Analytical Method P = Prep Method

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-41198-1

Laboratory Chronicle

Lab ID: 480-41198-7

Client ID: MW-12

Sample Date/Time: 07/01/2013 13:00

Received Date/Time: 07/01/2013 19:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-41198-A-7		480-127701		07/08/2013 03:27	1	TAL BUF	TRB
A:8260B	480-41198-A-7		480-127701		07/08/2013 03:27	1	TAL BUF	TRB

Lab ID: 480-41198-8

Client ID: MW-16S

Sample Date/Time: 07/01/2013 15:30

Received Date/Time: 07/01/2013 19:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-41198-B-8		480-127825		07/08/2013 16:31	200	TAL BUF	PJQ
A:8260B	480-41198-B-8		480-127825		07/08/2013 16:31	200	TAL BUF	PJQ
P:5030B	480-41198-B-8	DL	480-127928		07/09/2013 11:04	2000	TAL BUF	CDC
A:8260B	480-41198-B-8	DL	480-127928		07/09/2013 11:04	2000	TAL BUF	CDC

Lab ID: 480-41198-9

Client ID: Duplicate

Sample Date/Time: 07/01/2013 13:45

Received Date/Time: 07/01/2013 19:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-41198-A-9		480-127825		07/08/2013 16:59	100	TAL BUF	PJQ
A:8260B	480-41198-A-9		480-127825		07/08/2013 16:59	100	TAL BUF	PJQ
P:5030B	480-41198-B-9	DL	480-127928		07/09/2013 11:31	1000	TAL BUF	CDC
A:8260B	480-41198-B-9	DL	480-127928		07/09/2013 11:31	1000	TAL BUF	CDC

Lab ID: 480-41198-9 MS

Client ID: Duplicate

Sample Date/Time: 07/01/2013 13:45

Received Date/Time: 07/01/2013 19:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-41198-B-9 MS		480-127928		07/09/2013 16:37	1000	TAL BUF	CDC
A:8260B	480-41198-B-9 MS		480-127928		07/09/2013 16:37	1000	TAL BUF	CDC

Lab ID: 480-41198-9 MSD

Client ID: Duplicate

Sample Date/Time: 07/01/2013 13:45

Received Date/Time: 07/01/2013 19:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-41198-B-9 MSD		480-127928		07/09/2013 17:05	1000	TAL BUF	CDC
A:8260B	480-41198-B-9 MSD		480-127928		07/09/2013 17:05	1000	TAL BUF	CDC

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-41198-1

Laboratory Chronicle

Lab ID: 480-41198-10

Client ID: Rinse Blank

Sample Date/Time: 07/01/2013 14:40

Received Date/Time: 07/01/2013 19:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-41198-B-10		480-127928		07/09/2013 11:59	1	TAL BUF	CDC
A:8260B	480-41198-B-10		480-127928		07/09/2013 11:59	1	TAL BUF	CDC

Lab ID: 480-41198-11

Client ID: Trip Blank

Sample Date/Time: 07/01/2013 00:00

Received Date/Time: 07/01/2013 19:08

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-41198-A-11		480-127825		07/08/2013 17:55	1	TAL BUF	PJQ
A:8260B	480-41198-A-11		480-127825		07/08/2013 17:55	1	TAL BUF	PJQ

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:5030B	MB 480-127701/5		480-127701		07/07/2013 22:20	1	TAL BUF	TRB
A:8260B	MB 480-127701/5		480-127701		07/07/2013 22:20	1	TAL BUF	TRB
P:5030B	MB 480-127825/4		480-127825		07/08/2013 15:31	1	TAL BUF	PJQ
A:8260B	MB 480-127825/4		480-127825		07/08/2013 15:31	1	TAL BUF	PJQ
P:5030B	MB 480-127928/4		480-127928		07/09/2013 10:02	1	TAL BUF	CDC
A:8260B	MB 480-127928/4		480-127928		07/09/2013 10:02	1	TAL BUF	CDC

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:5030B	LCS 480-127701/4		480-127701		07/07/2013 21:53	1	TAL BUF	TRB
A:8260B	LCS 480-127701/4		480-127701		07/07/2013 21:53	1	TAL BUF	TRB
P:5030B	LCS 480-127825/3		480-127825		07/08/2013 15:03	1	TAL BUF	PJQ
A:8260B	LCS 480-127825/3		480-127825		07/08/2013 15:03	1	TAL BUF	PJQ
P:5030B	LCS 480-127928/3		480-127928		07/09/2013 09:34	1	TAL BUF	CDC
A:8260B	LCS 480-127928/3		480-127928		07/09/2013 09:34	1	TAL BUF	CDC

Lab References:

TAL BUF = TestAmerica Buffalo

Certification Summary

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

TestAmerica Job ID: 480-41198-1

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 8260B

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
 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	480-41198-1	102	102	100
MW-3	480-41198-2	107	104	103
MW-4	480-41198-3	105	102	101
MW-4 DL	480-41198-3 DL	105	101	101
MW-6	480-41198-4	106	102	102
MW-10	480-41198-5	107	104	100
MW-11	480-41198-6	101	103	100
MW-12	480-41198-7	102	103	98
MW-16S	480-41198-8	103	102	101
MW-16S DL	480-41198-8 DL	106	101	99
Duplicate	480-41198-9	106	103	101
Duplicate DL	480-41198-9 DL	104	103	99
Rinse Blank	480-41198-10	105	100	99
Trip Blank	480-41198-11	106	103	100
	MB 480-127701/5	98	104	103
	MB 480-127825/4	104	101	101
	MB 480-127928/4	103	102	101
	LCS 480-127701/4	100	105	104
	LCS 480-127825/3	107	104	105
	LCS 480-127928/3	105	102	105
Duplicate MS	480-41198-9 MS	103	103	102
Duplicate MSD	480-41198-9 MSD	105	102	102

	<u>QC LIMITS</u>
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: Q9261.D
 Lab ID: LCS 480-127701/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	22.1	89	71-129	
1,1-Dichloroethene	25.0	18.9	76	58-121	
1,2-Dichlorobenzene	25.0	23.8	95	80-124	
1,2-Dichloroethane	25.0	22.1	88	75-127	
Benzene	25.0	23.3	93	71-124	
Chlorobenzene	25.0	25.1	101	72-120	
cis-1,2-Dichloroethene	25.0	23.4	94	74-124	
Ethylbenzene	25.0	24.8	99	77-123	
Methyl tert-butyl ether	25.0	23.1	92	64-127	
Tetrachloroethene	25.0	25.2	101	74-122	
Toluene	25.0	24.3	97	80-122	
trans-1,2-Dichloroethene	25.0	23.5	94	73-127	
Trichloroethene	25.0	22.2	89	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.: 480-41198-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: Q9286.D
 Lab ID: LCS 480-127825/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	26.4	106	71-129	
1,1-Dichloroethene	25.0	22.9	92	58-121	
1,2-Dichlorobenzene	25.0	25.4	101	80-124	
1,2-Dichloroethane	25.0	26.1	104	75-127	
Benzene	25.0	26.9	108	71-124	
Chlorobenzene	25.0	27.4	110	72-120	
cis-1,2-Dichloroethene	25.0	26.3	105	74-124	
Ethylbenzene	25.0	26.8	107	77-123	
Methyl tert-butyl ether	25.0	27.4	110	64-127	
Tetrachloroethene	25.0	27.8	111	74-122	
Toluene	25.0	26.4	106	80-122	
trans-1,2-Dichloroethene	25.0	27.0	108	73-127	
Trichloroethene	25.0	25.8	103	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.: 480-41198-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: Q9312.D
 Lab ID: LCS 480-127928/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	24.0	96	71-129	
1,1-Dichloroethene	25.0	21.3	85	58-121	
1,2-Dichlorobenzene	25.0	24.3	97	80-124	
1,2-Dichloroethane	25.0	24.0	96	75-127	
Benzene	25.0	25.1	100	71-124	
Chlorobenzene	25.0	25.7	103	72-120	
cis-1,2-Dichloroethene	25.0	24.4	97	74-124	
Ethylbenzene	25.0	25.3	101	77-123	
Methyl tert-butyl ether	25.0	24.7	99	64-127	
Tetrachloroethene	25.0	25.9	104	74-122	
Toluene	25.0	25.5	102	80-122	
trans-1,2-Dichloroethene	25.0	25.3	101	73-127	
Trichloroethene	25.0	24.0	96	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.: 480-41198-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: Q9327.D
 Lab ID: 480-41198-9 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	620 J	26300	103	71-129	
1,1-Dichloroethene	25000	ND	22400	90	58-121	
1,2-Dichlorobenzene	25000	ND	24200	97	80-124	
1,2-Dichloroethane	25000	ND	25200	101	75-127	
Benzene	25000	ND	26500	106	71-124	
Chlorobenzene	25000	ND	26600	107	72-120	
cis-1,2-Dichloroethene	25000	57000	79100	89	74-124	
Ethylbenzene	25000	ND	26200	105	77-123	
Methyl tert-butyl ether	25000	ND	26500	106	64-127	
Tetrachloroethene	25000	ND	26700	107	74-122	
Toluene	25000	ND	26500	106	80-122	
trans-1,2-Dichloroethene	25000	ND	27300	109	73-127	
Trichloroethene	25000	14000	38600	98	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.: 480-41198-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: Q9328.D
 Lab ID: 480-41198-9 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	25500	100	3	20	71-129	
1,1-Dichloroethene	25000	22000	88	2	16	58-121	
1,2-Dichlorobenzene	25000	24300	97	0	20	80-124	
1,2-Dichloroethane	25000	24900	100	1	20	75-127	
Benzene	25000	25600	102	3	13	71-124	
Chlorobenzene	25000	25400	102	5	25	72-120	
cis-1,2-Dichloroethene	25000	76700	79	3	15	74-124	
Ethylbenzene	25000	25300	101	4	15	77-123	
Methyl tert-butyl ether	25000	26300	105	0	37	64-127	
Tetrachloroethene	25000	25200	101	6	20	74-122	
Toluene	25000	25000	100	6	15	80-122	
trans-1,2-Dichloroethene	25000	25600	102	6	20	73-127	
Trichloroethene	25000	36900	92	4	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.: 480-41198-1
SDG No.: _____
Lab File ID: Q9262.D Lab Sample ID: MB 480-127701/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973Q Date Analyzed: 07/07/2013 22:20
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 480-127701/4	Q9261.D	07/07/2013 21:53
MW-2	480-41198-1	Q9266.D	07/08/2013 00:41
MW-3	480-41198-2	Q9267.D	07/08/2013 01:08
MW-6	480-41198-4	Q9269.D	07/08/2013 02:04
MW-10	480-41198-5	Q9270.D	07/08/2013 02:31
MW-11	480-41198-6	Q9271.D	07/08/2013 02:59
MW-12	480-41198-7	Q9272.D	07/08/2013 03:27

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
SDG No.: _____
Lab File ID: Q9287.D Lab Sample ID: MB 480-127825/4
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973Q Date Analyzed: 07/08/2013 15:31
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 480-127825/3	Q9286.D	07/08/2013 15:03
MW-4	480-41198-3	Q9288.D	07/08/2013 16:03
MW-16S	480-41198-8	Q9289.D	07/08/2013 16:31
Duplicate	480-41198-9	Q9290.D	07/08/2013 16:59
Trip Blank	480-41198-11	Q9292.D	07/08/2013 17:55

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
SDG No.: _____
Lab File ID: Q9313.D Lab Sample ID: MB 480-127928/4
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973Q Date Analyzed: 07/09/2013 10:02
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 480-127928/3	Q9312.D	07/09/2013 09:34
MW-4 DL	480-41198-3 DL	Q9314.D	07/09/2013 10:36
MW-16S DL	480-41198-8 DL	Q9315.D	07/09/2013 11:04
Duplicate DL	480-41198-9 DL	Q9316.D	07/09/2013 11:31
Rinse Blank	480-41198-10	Q9317.D	07/09/2013 11:59
Duplicate MS	480-41198-9 MS	Q9327.D	07/09/2013 16:37
Duplicate MSD	480-41198-9 MSD	Q9328.D	07/09/2013 17:05

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

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
 SDG No.: _____
 Lab File ID: Q6992.D BFB Injection Date: 04/11/2013
 Instrument ID: HP5973Q BFB Injection Time: 11:23
 Analysis Batch No.: 112223

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.5
75	30.0 - 60.0 % of mass 95	42.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.3
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	85.4
175	5.0 - 9.0 % of mass 174	6.2 (7.3) 1
176	95.0 - 101.0 % of mass 174	84.9 (99.4) 1
177	5.0 - 9.0 % of mass 176	5.3 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-112223/2	Q6993.D	04/11/2013	11:47
	IC 480-112223/3	Q6994.D	04/11/2013	12:14
	IC 480-112223/4	Q6995.D	04/11/2013	13:18
	ICIS 480-112223/5	Q6996.D	04/11/2013	13:45
	IC 480-112223/6	Q6997.D	04/11/2013	14:13
	IC 480-112223/7	Q6998.D	04/11/2013	14:40

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

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
 SDG No.: _____
 Lab File ID: Q9259.D BFB Injection Date: 07/07/2013
 Instrument ID: HP5973Q BFB Injection Time: 20:43
 Analysis Batch No.: 127701

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.4
75	30.0 - 60.0 % of mass 95	42.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.4
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	89.4
175	5.0 - 9.0 % of mass 174	6.3 (7.1) 1
176	95.0 - 101.0 % of mass 174	85.4 (95.5) 1
177	5.0 - 9.0 % of mass 176	5.5 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-127701/3	Q9260.D	07/07/2013	21:10
	LCS 480-127701/4	Q9261.D	07/07/2013	21:53
	MB 480-127701/5	Q9262.D	07/07/2013	22:20
MW-2	480-41198-1	Q9266.D	07/08/2013	00:41
MW-3	480-41198-2	Q9267.D	07/08/2013	01:08
MW-6	480-41198-4	Q9269.D	07/08/2013	02:04
MW-10	480-41198-5	Q9270.D	07/08/2013	02:31
MW-11	480-41198-6	Q9271.D	07/08/2013	02:59
MW-12	480-41198-7	Q9272.D	07/08/2013	03:27

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

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
 SDG No.: _____
 Lab File ID: Q9284.D BFB Injection Date: 07/08/2013
 Instrument ID: HP5973Q BFB Injection Time: 14:12
 Analysis Batch No.: 127825

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.7
75	30.0 - 60.0 % of mass 95	42.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.3
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	90.0
175	5.0 - 9.0 % of mass 174	7.1 (7.9) 1
176	95.0 - 101.0 % of mass 174	86.0 (95.5) 1
177	5.0 - 9.0 % of mass 176	5.9 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-127825/2	Q9285.D	07/08/2013	14:30
	LCS 480-127825/3	Q9286.D	07/08/2013	15:03
	MB 480-127825/4	Q9287.D	07/08/2013	15:31
MW-4	480-41198-3	Q9288.D	07/08/2013	16:03
MW-16S	480-41198-8	Q9289.D	07/08/2013	16:31
Duplicate	480-41198-9	Q9290.D	07/08/2013	16:59
Trip Blank	480-41198-11	Q9292.D	07/08/2013	17:55

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

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
 SDG No.: _____
 Lab File ID: Q9310.D BFB Injection Date: 07/09/2013
 Instrument ID: HP5973Q BFB Injection Time: 08:38
 Analysis Batch No.: 127928

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.7
75	30.0 - 60.0 % of mass 95	44.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	88.9
175	5.0 - 9.0 % of mass 174	6.7 (7.5) 1
176	95.0 - 101.0 % of mass 174	86.1 (96.9) 1
177	5.0 - 9.0 % of mass 176	5.4 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-127928/2	Q9311.D	07/09/2013	08:58
	LCS 480-127928/3	Q9312.D	07/09/2013	09:34
	MB 480-127928/4	Q9313.D	07/09/2013	10:02
MW-4 DL	480-41198-3 DL	Q9314.D	07/09/2013	10:36
MW-16S DL	480-41198-8 DL	Q9315.D	07/09/2013	11:04
Duplicate DL	480-41198-9 DL	Q9316.D	07/09/2013	11:31
Rinse Blank	480-41198-10	Q9317.D	07/09/2013	11:59
Duplicate MS	480-41198-9 MS	Q9327.D	07/09/2013	16:37
Duplicate MSD	480-41198-9 MSD	Q9328.D	07/09/2013	17:05

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

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
SDG No.: _____
Sample No.: ICIS 480-112223/5 Date Analyzed: 04/11/2013 13:45
Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25 (mm)
Lab File ID (Standard): Q6996.D Heated Purge: (Y/N) N
Calibration ID: 13093

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	695703	5.01	304148	7.20	313380	9.06	
UPPER LIMIT	1391406	5.51	608296	7.70	626760	9.56	
LOWER LIMIT	347852	4.51	152074	6.70	156690	8.56	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-127701/3		640071	5.01	270985	7.20	293902	9.06
CCVIS 480-127825/2		532048	5.01	238999	7.20	262155	9.06
CCVIS 480-127928/2		528016	5.01	230022	7.20	256130	9.06

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

Area Limit = 50%-200% of internal standard area
RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
 SDG No.: _____
 Sample No.: CCVIS 480-127701/3 Date Analyzed: 07/07/2013 21:10
 Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): Q9260.D Heated Purge: (Y/N) N
 Calibration ID: 13093

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		640071	5.01	270985	7.20	293902	9.06
UPPER LIMIT		1280142	5.51	541970	7.70	587804	9.56
LOWER LIMIT		320036	4.51	135493	6.70	146951	8.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-127701/4		627511	5.01	270023	7.20	296462	9.06
MB 480-127701/5		641490	5.01	269583	7.20	292343	9.06
480-41198-1	MW-2	584769	5.01	258345	7.19	276862	9.06
480-41198-2	MW-3	565605	5.01	248065	7.20	268359	9.06
480-41198-4	MW-6	540995	5.01	241043	7.20	259482	9.06
480-41198-5	MW-10	526858	5.01	236728	7.20	261373	9.06
480-41198-6	MW-11	561604	5.01	242993	7.20	262866	9.06
480-41198-7	MW-12	551741	5.01	241990	7.20	257049	9.06

DFB = 1,4-Difluorobenzene
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 CBZ = Chlorobenzene-d5
 Area Limit = 50%-200% of internal standard area
 DCB = 1,4-Dichlorobenzene-d4
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
 SDG No.: _____
 Sample No.: CCVIS 480-127825/2 Date Analyzed: 07/08/2013 14:30
 Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): Q9285.D Heated Purge: (Y/N) N
 Calibration ID: 13093

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		532048	5.01	238999	7.20	262155	9.06
UPPER LIMIT		1064096	5.51	477998	7.70	524310	9.56
LOWER LIMIT		266024	4.51	119500	6.70	131078	8.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-127825/3		562372	5.01	248952	7.20	270387	9.06
MB 480-127825/4		557860	5.01	248538	7.20	266938	9.06
480-41198-3	MW-4	541553	5.01	241757	7.20	259268	9.06
480-41198-8	MW-16S	540631	5.01	237343	7.20	250814	9.06
480-41198-9	Duplicate	518319	5.01	232733	7.20	250929	9.06
480-41198-11	Trip Blank	512909	5.01	227622	7.20	243145	9.06

DFB = 1,4-Difluorobenzene
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 CBZ = Chlorobenzene-d5
 Area Limit = 50%-200% of internal standard area
 DCB = 1,4-Dichlorobenzene-d4
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
 SDG No.: _____
 Sample No.: CCVIS 480-127928/2 Date Analyzed: 07/09/2013 08:58
 Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): Q9311.D Heated Purge: (Y/N) N
 Calibration ID: 13093

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	528016	5.01	230022	7.20	256130	9.06	
UPPER LIMIT	1056032	5.51	460044	7.70	512260	9.56	
LOWER LIMIT	264008	4.51	115011	6.70	128065	8.56	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-127928/3		544882	5.01	239893	7.20	261224	9.06
MB 480-127928/4		529661	5.01	235909	7.20	256669	9.06
480-41198-3 DL	MW-4 DL	520241	5.01	234256	7.20	247467	9.06
480-41198-8 DL	MW-16S DL	512104	5.01	230049	7.20	244754	9.06
480-41198-9 DL	Duplicate DL	511589	5.01	224230	7.20	240004	9.06
480-41198-10	Rinse Blank	495446	5.01	223779	7.19	233919	9.06
480-41198-9 MS	Duplicate MS	498613	5.01	223265	7.20	244183	9.06
480-41198-9 MSD	Duplicate MSD	495898	5.01	223739	7.20	242034	9.06

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4
 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.: 480-41198-1

SDG No.: _____

Client Sample ID: MW-2 Lab Sample ID: 480-41198-1

Matrix: Ground Water Lab File ID: Q9266.D

Analysis Method: 8260B Date Collected: 07/01/2013 10:15

Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 00:41

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.: 127701 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	3.6		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.: 480-41198-1
 SDG No.: _____
 Client Sample ID: MW-2 Lab Sample ID: 480-41198-1
 Matrix: Ground Water Lab File ID: Q9266.D
 Analysis Method: 8260B Date Collected: 07/01/2013 10:15
 Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 00:41
 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.: 127701 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)	102		66-137
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9266.D
 Lims ID: 480-41198-A-1 Client ID: MW-2
 Inject. Date: 08-Jul-2013 00:41:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-41198-A-1
 Misc. Info.: 480-0023255-009
 Operator: CDC Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 4
 Lims Batch ID: 127701 Lims Sample ID: 9
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q-8260.m
 Last Update: 08-Jul-2013 07:08:26 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK006

First Level Reviewer: BrandtT

Date: 08-Jul-2013 14:03:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.010	5.006	0.004	93	584769	25.0	
* 2 Chlorobenzene-d5	82	7.194	7.196	-0.002	83	258345	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.062	9.057	0.005	93	276862	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.700	4.702	-0.002	87	87639	25.6	
\$ 5 Toluene-d8 (Surr)	98	6.087	6.089	-0.002	84	646200	25.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.125	8.127	-0.002	95	203787	24.9	
10 Dichlorodifluoromethane	85		1.362					
12 Chloromethane	50		1.508					
13 Vinyl chloride	62		1.599					
14 Bromomethane	94		1.879					
15 Chloroethane	64	1.975	1.964	0.011	60	8629	3.58	
17 Trichlorofluoromethane	101		2.195					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.652					
22 1,1-Dichloroethene	96		2.658					
23 Acetone	43		2.743					
26 Carbon disulfide	76		2.834					
27 Methyl acetate	43		3.010					
30 Methylene Chloride	84		3.090					9
32 Methyl tert-butyl ether	73		3.290					
34 trans-1,2-Dichloroethene	96		3.296					
39 1,1-Dichloroethane	63		3.637					
45 cis-1,2-Dichloroethene	96		4.087					9
43 2-Butanone (MEK)	43		4.105					9
50 Chloroform	83		4.331					
51 1,1,1-Trichloroethane	97		4.446					
52 Cyclohexane	56		4.470					9
55 Carbon tetrachloride	117		4.562					
57 Benzene	78		4.726					9
58 1,2-Dichloroethane	62		4.756					
62 Trichloroethene	95		5.201					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
64 Methylcyclohexane	83		5.316					
65 1,2-Dichloropropane	63		5.371					
68 Dichlorobromomethane	83		5.584					
72 cis-1,3-Dichloropropene	75		5.906					
73 4-Methyl-2-pentanone (MIBK)	43		6.004					9
74 Toluene	92		6.137					9
77 trans-1,3-Dichloropropene	75		6.326					
79 1,1,2-Trichloroethane	83		6.466					
81 Tetrachloroethene	166		6.551					
80 2-Hexanone	43		6.630					9
83 Chlorodibromomethane	129		6.770					
84 Ethylene Dibromide	107		6.855					
87 Chlorobenzene	112		7.220					
88 Ethylbenzene	91		7.287					9
90 m-Xylene & p-Xylene	106		7.378					
91 o-Xylene	106		7.695					9
92 Styrene	104		7.713					
95 Bromoform	173		7.889					
94 Isopropylbenzene	105		7.981					9
97 1,1,2,2-Tetrachloroethane	83		8.254					
111 1,3-Dichlorobenzene	146		9.009					
113 1,4-Dichlorobenzene	146		9.082					
116 1,2-Dichlorobenzene	146		9.386					
117 1,2-Dibromo-3-Chloropropane	75		10.043					
119 1,2,4-Trichlorobenzene	180		10.712					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

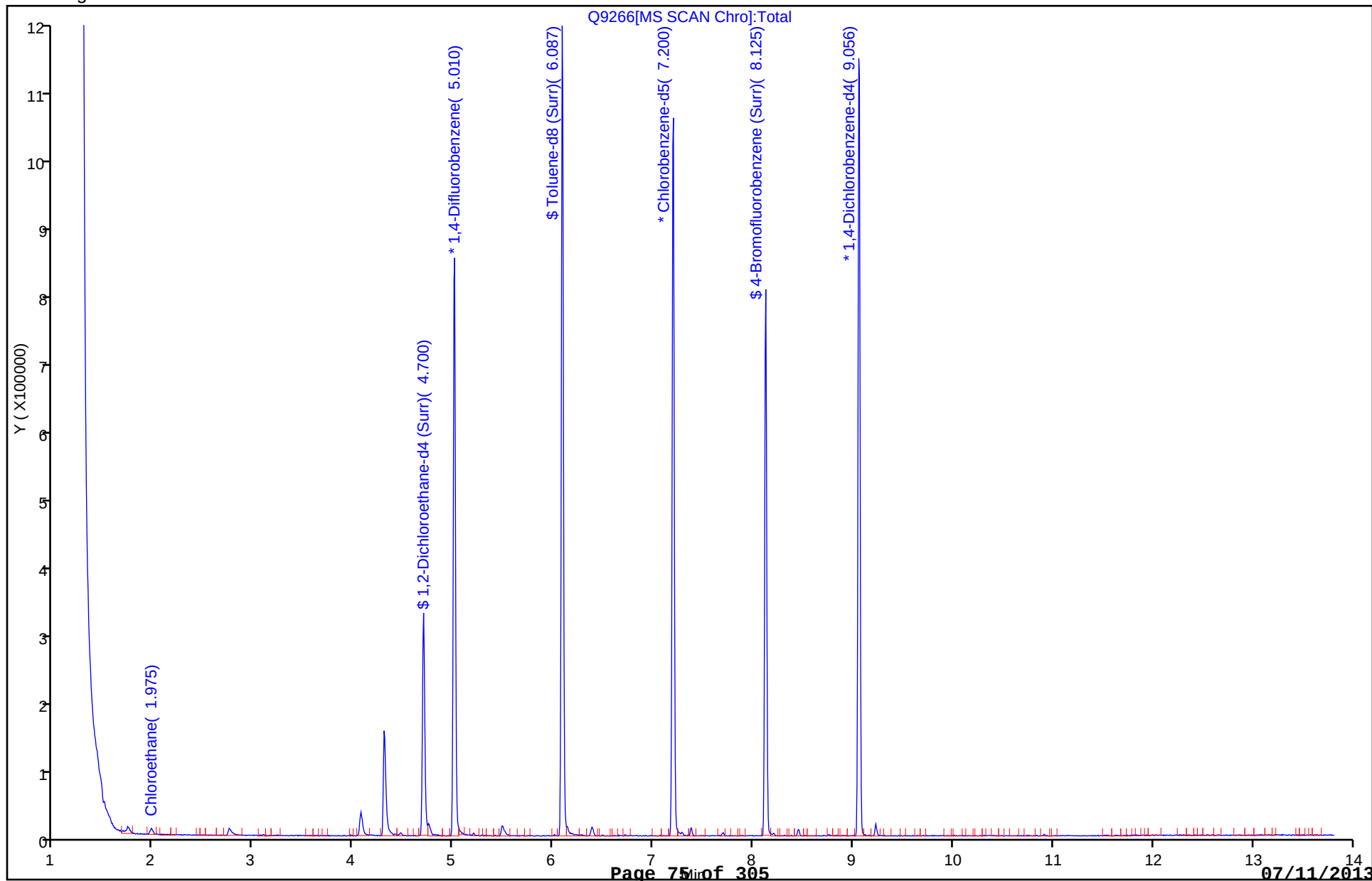
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9266.D
Injection Date: 08-Jul-2013 00:41:30 Limit Group: MV - 8260B ICAL
Client ID: MW-2 Instrument ID: HP5973Q
Lims Batch ID: 127701 Lims Sample ID: 9
Operator ID: CDC Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9266.D

Injection Date: 08-Jul-2013 00:41:30

Limit Group: MV - 8260B ICAL

Client ID: MW-2

Instrument ID: HP5973Q

Lims Batch ID: 127701

Lims Sample ID: 9

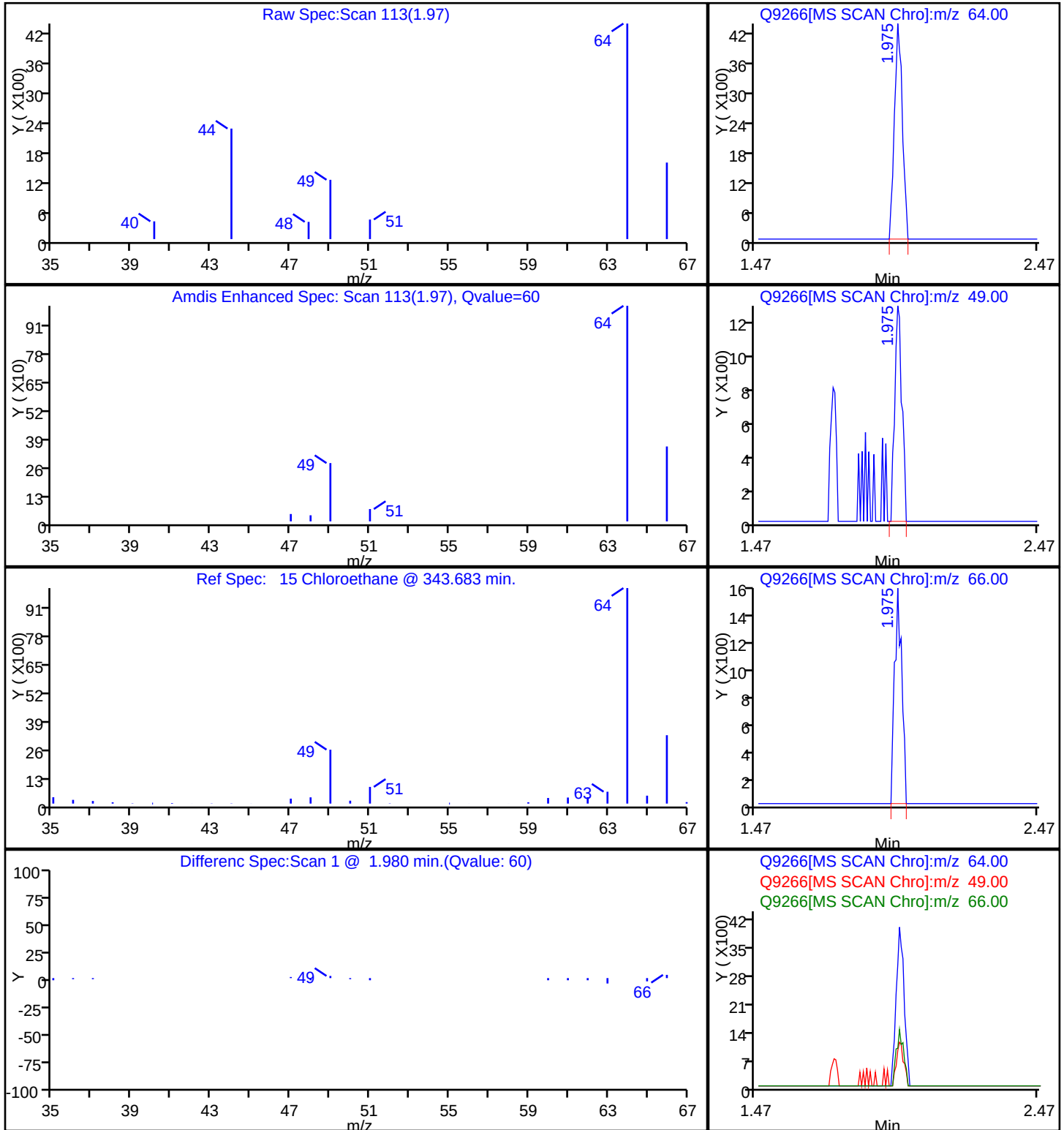
Operator ID: CDC

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: MW-3 Lab Sample ID: 480-41198-2

Matrix: Ground Water Lab File ID: Q9267.D

Analysis Method: 8260B Date Collected: 07/01/2013 13:30

Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 01:08

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 127701 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	10		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	3.6		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	3.5		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.: 480-41198-1
 SDG No.: _____
 Client Sample ID: MW-3 Lab Sample ID: 480-41198-2
 Matrix: Ground Water Lab File ID: Q9267.D
 Analysis Method: 8260B Date Collected: 07/01/2013 13:30
 Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 01:08
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 127701 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	10		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		66-137
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
2037-26-5	Toluene-d8 (Surr)	104		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9267.D
 Lims ID: 480-41198-A-2 Client ID: MW-3
 Inject. Date: 08-Jul-2013 01:08:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-41198-A-2
 Misc. Info.: 480-0023255-010
 Operator: CDC Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 5
 Lims Batch ID: 127701 Lims Sample ID: 10
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q-8260.m
 Last Update: 08-Jul-2013 07:08:26 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK006

First Level Reviewer: BrandtT

Date: 08-Jul-2013 14:03:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.010	5.006	0.004	93	565605	25.0	
* 2 Chlorobenzene-d5	82	7.200	7.196	0.004	82	248065	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.061	9.057	0.004	93	268359	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.699	4.702	-0.003	94	88941	26.8	
\$ 5 Toluene-d8 (Surr)	98	6.087	6.089	-0.002	93	631888	26.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.124	8.127	-0.003	94	201097	25.6	
10 Dichlorodifluoromethane	85		1.362					
12 Chloromethane	50		1.508					
13 Vinyl chloride	62	1.597	1.599	-0.002	96	66842	10.1	
14 Bromomethane	94		1.879					
15 Chloroethane	64	1.974	1.964	0.010	51	8445	3.62	
17 Trichlorofluoromethane	101		2.195					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.652					
22 1,1-Dichloroethene	96		2.658					
23 Acetone	43		2.743					
26 Carbon disulfide	76		2.834					
27 Methyl acetate	43		3.010					
30 Methylene Chloride	84		3.090					
32 Methyl tert-butyl ether	73		3.290					
34 trans-1,2-Dichloroethene	96		3.296					
39 1,1-Dichloroethane	63	3.635	3.637	-0.002	83	136909	9.96	
45 cis-1,2-Dichloroethene	96	4.091	4.087	0.004	66	28907	3.47	
43 2-Butanone (MEK)	43		4.105					9
50 Chloroform	83		4.331					
51 1,1,1-Trichloroethane	97		4.446					
52 Cyclohexane	56		4.470					
55 Carbon tetrachloride	117		4.562					
57 Benzene	78		4.726					9
58 1,2-Dichloroethane	62		4.756					9
62 Trichloroethene	95		5.201					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
64 Methylcyclohexane	83		5.316					
65 1,2-Dichloropropane	63		5.371					
68 Dichlorobromomethane	83		5.584					
72 cis-1,3-Dichloropropene	75		5.906					
73 4-Methyl-2-pentanone (MIBK)	43		6.004					9
74 Toluene	92		6.137					9
77 trans-1,3-Dichloropropene	75		6.326					
79 1,1,2-Trichloroethane	83		6.466					
81 Tetrachloroethene	166		6.551					
80 2-Hexanone	43		6.630					
83 Chlorodibromomethane	129		6.770					
84 Ethylene Dibromide	107		6.855					
87 Chlorobenzene	112		7.220					
88 Ethylbenzene	91		7.287					9
90 m-Xylene & p-Xylene	106		7.378					
91 o-Xylene	106		7.695					9
92 Styrene	104		7.713					
95 Bromoform	173		7.889					
94 Isopropylbenzene	105		7.981					
97 1,1,2,2-Tetrachloroethane	83		8.254					
111 1,3-Dichlorobenzene	146		9.009					
113 1,4-Dichlorobenzene	146		9.082					
116 1,2-Dichlorobenzene	146		9.386					
117 1,2-Dibromo-3-Chloropropane	75		10.043					
119 1,2,4-Trichlorobenzene	180		10.712					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

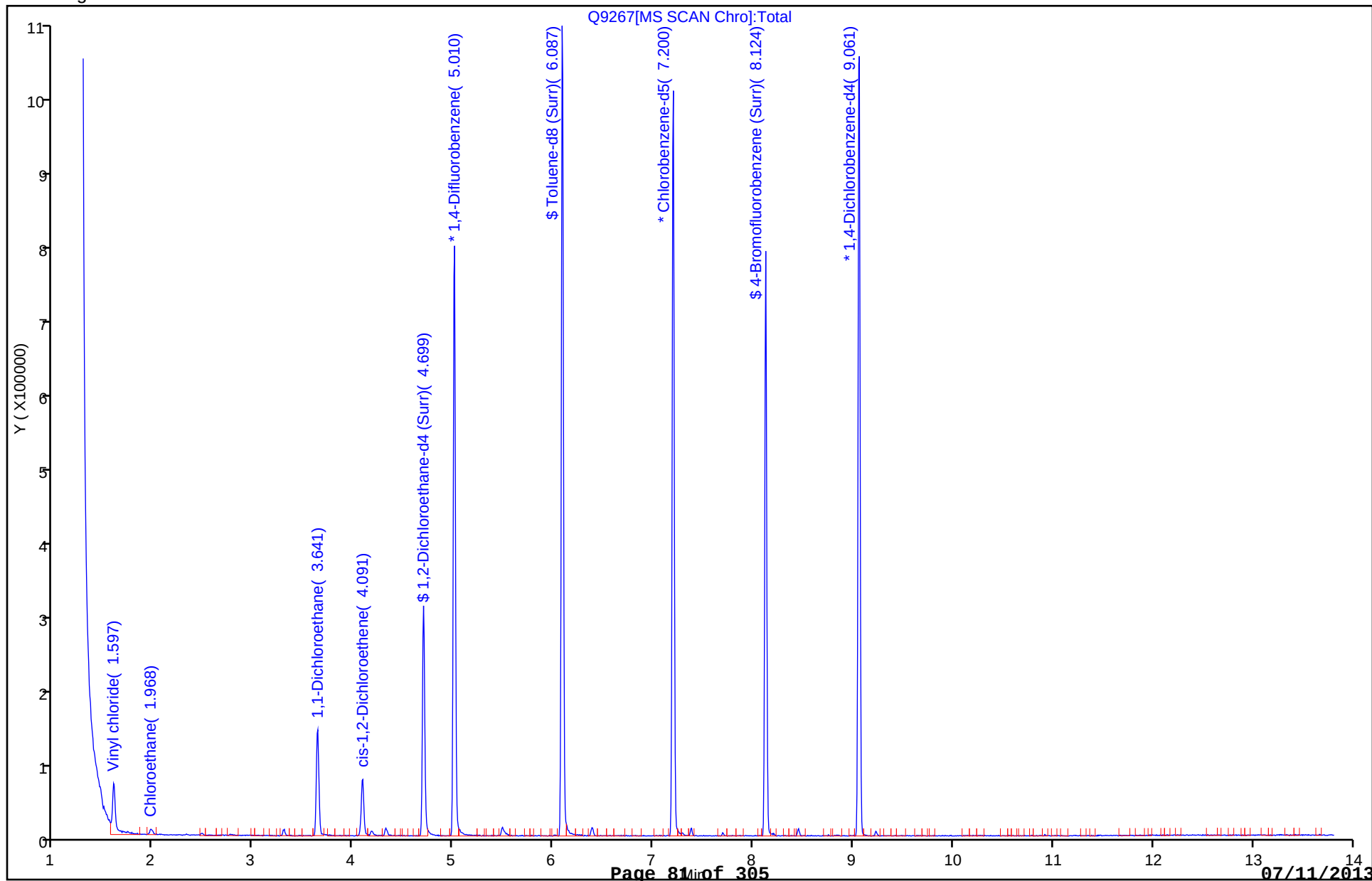
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9267.D
Injection Date: 08-Jul-2013 01:08:30 Limit Group: MV - 8260B ICAL
Client ID: MW-3 Instrument ID: HP5973Q
Lims Batch ID: 127701 Lims Sample ID: 10
Operator ID: CDC Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9267.D

Injection Date: 08-Jul-2013 01:08:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3

Instrument ID: HP5973Q

Lims Batch ID: 127701

Lims Sample ID: 10

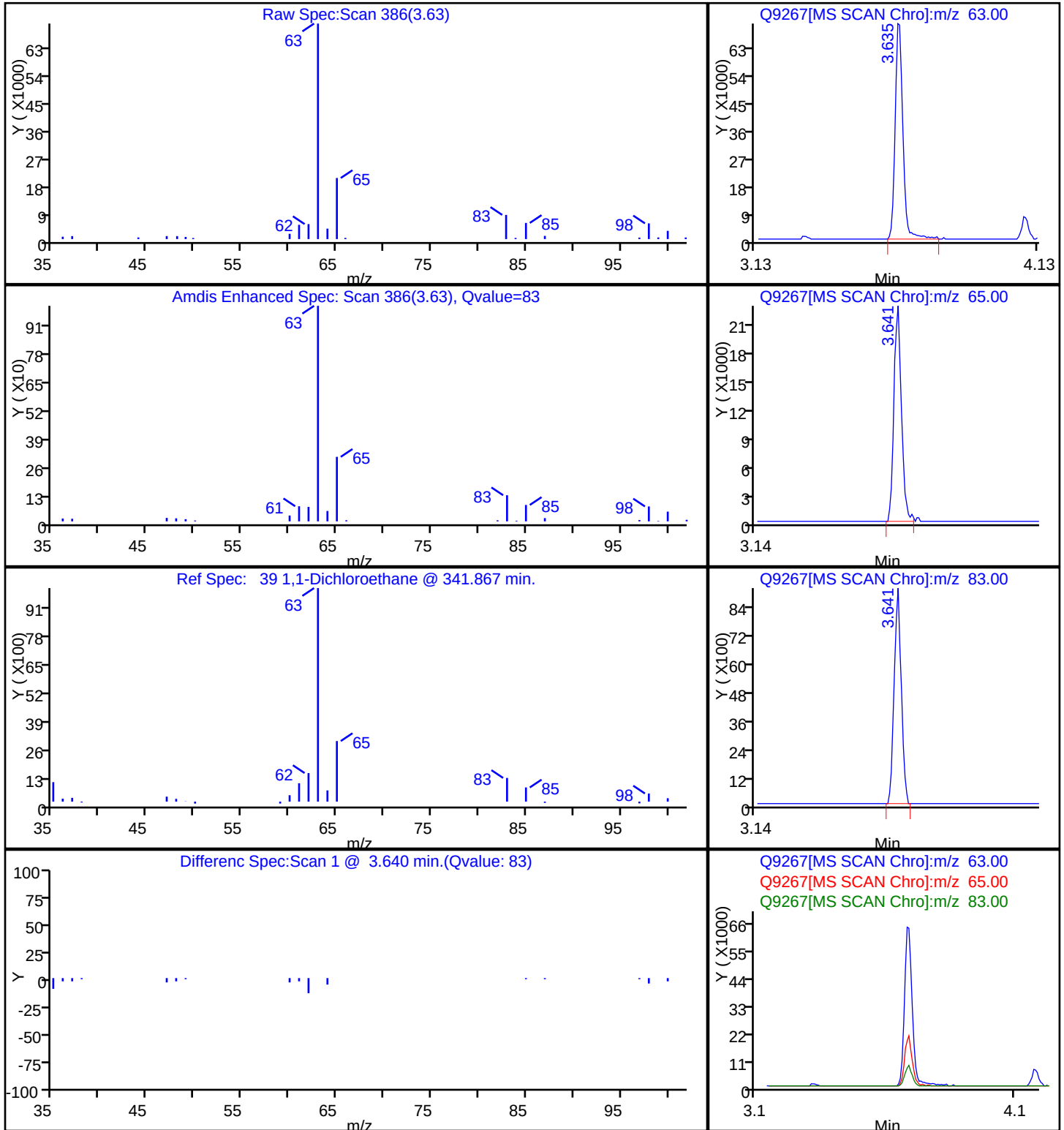
Operator ID: CDC

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9267.D

Injection Date: 08-Jul-2013 01:08:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3

Instrument ID: HP5973Q

Lims Batch ID: 127701

Lims Sample ID: 10

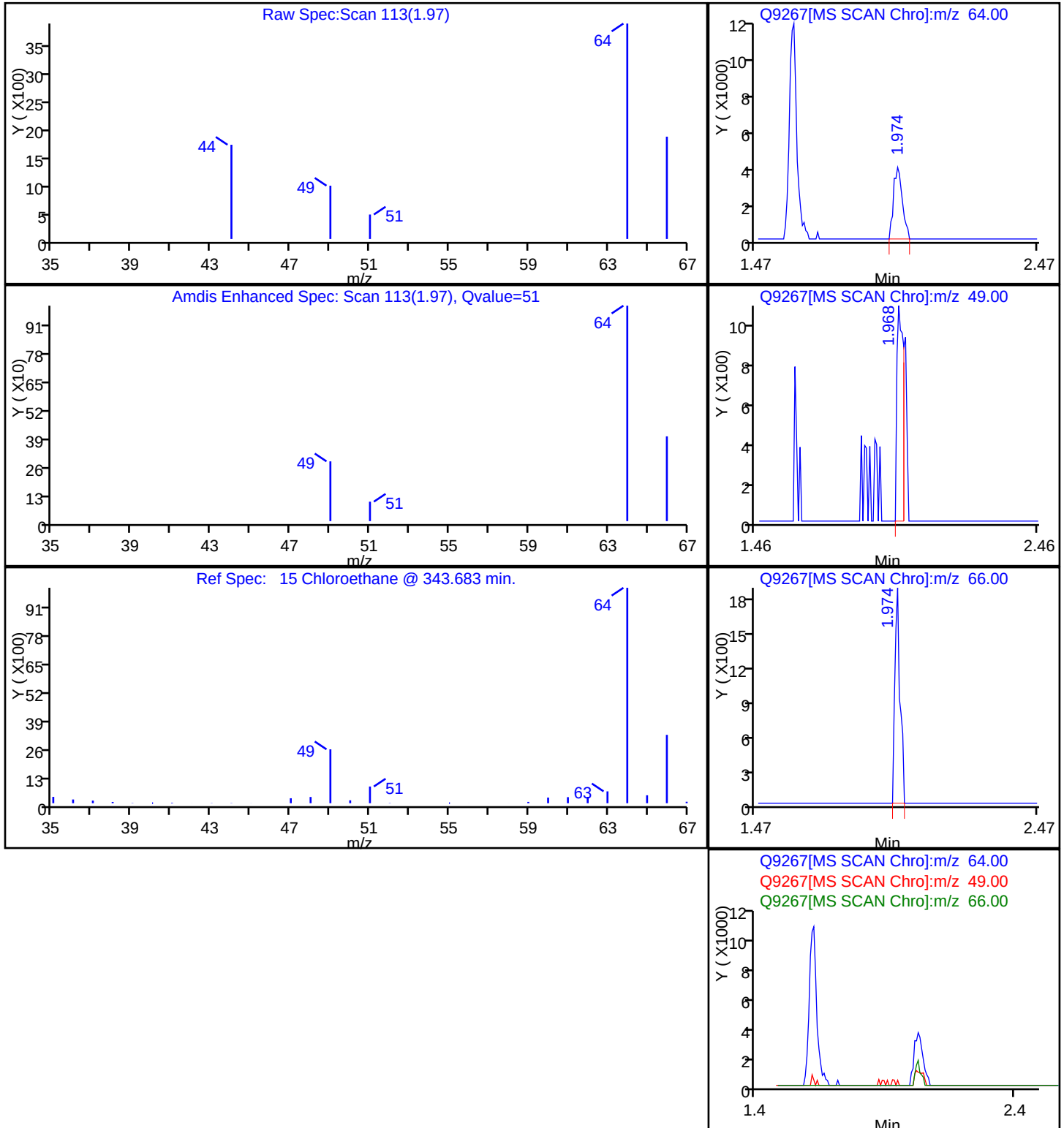
Operator ID: CDC

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9267.D

Injection Date: 08-Jul-2013 01:08:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3

Instrument ID: HP5973Q

Lims Batch ID: 127701

Lims Sample ID: 10

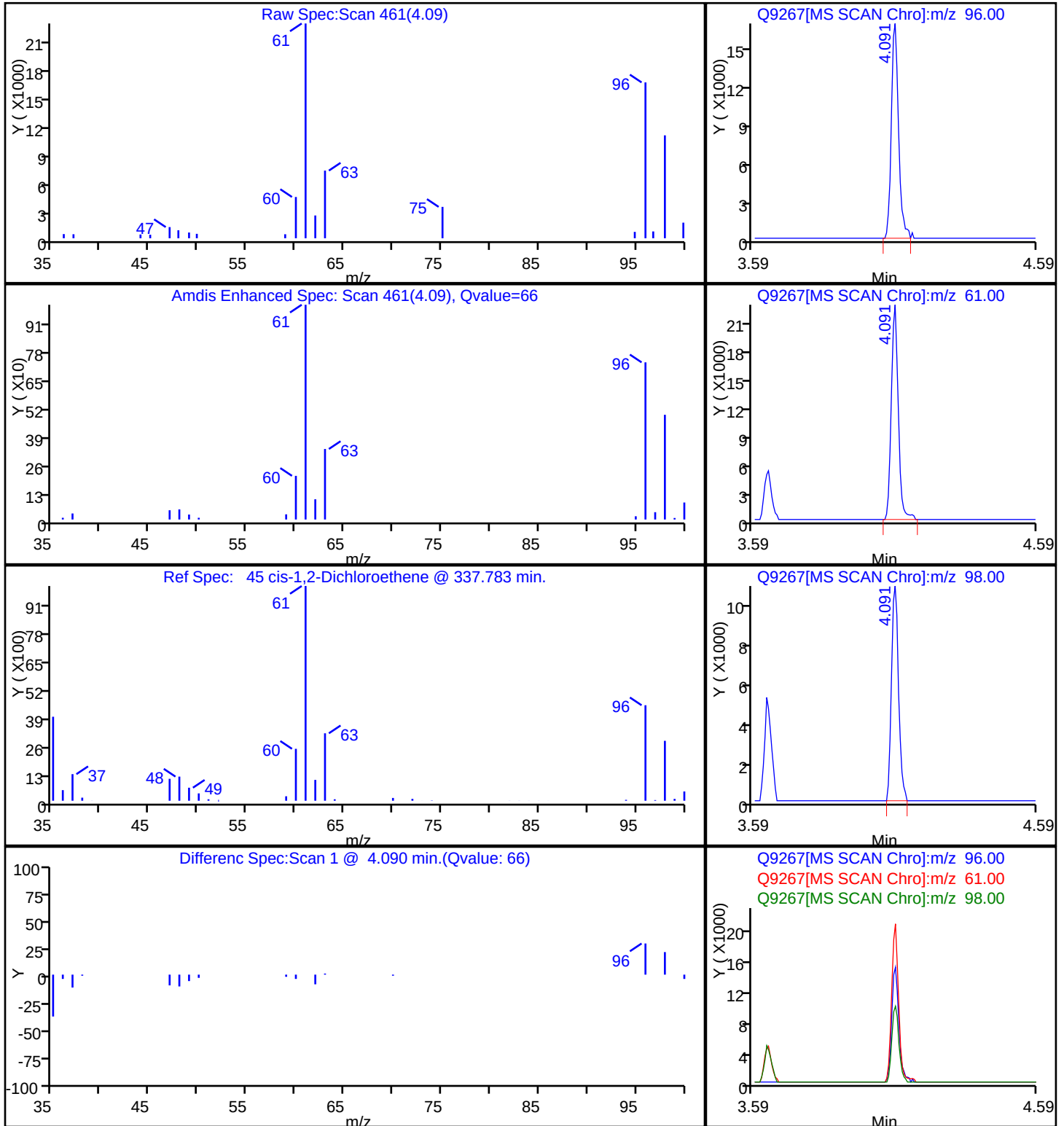
Operator ID: CDC

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9267.D

Injection Date: 08-Jul-2013 01:08:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3

Instrument ID: HP5973Q

Lims Batch ID: 127701

Lims Sample ID: 10

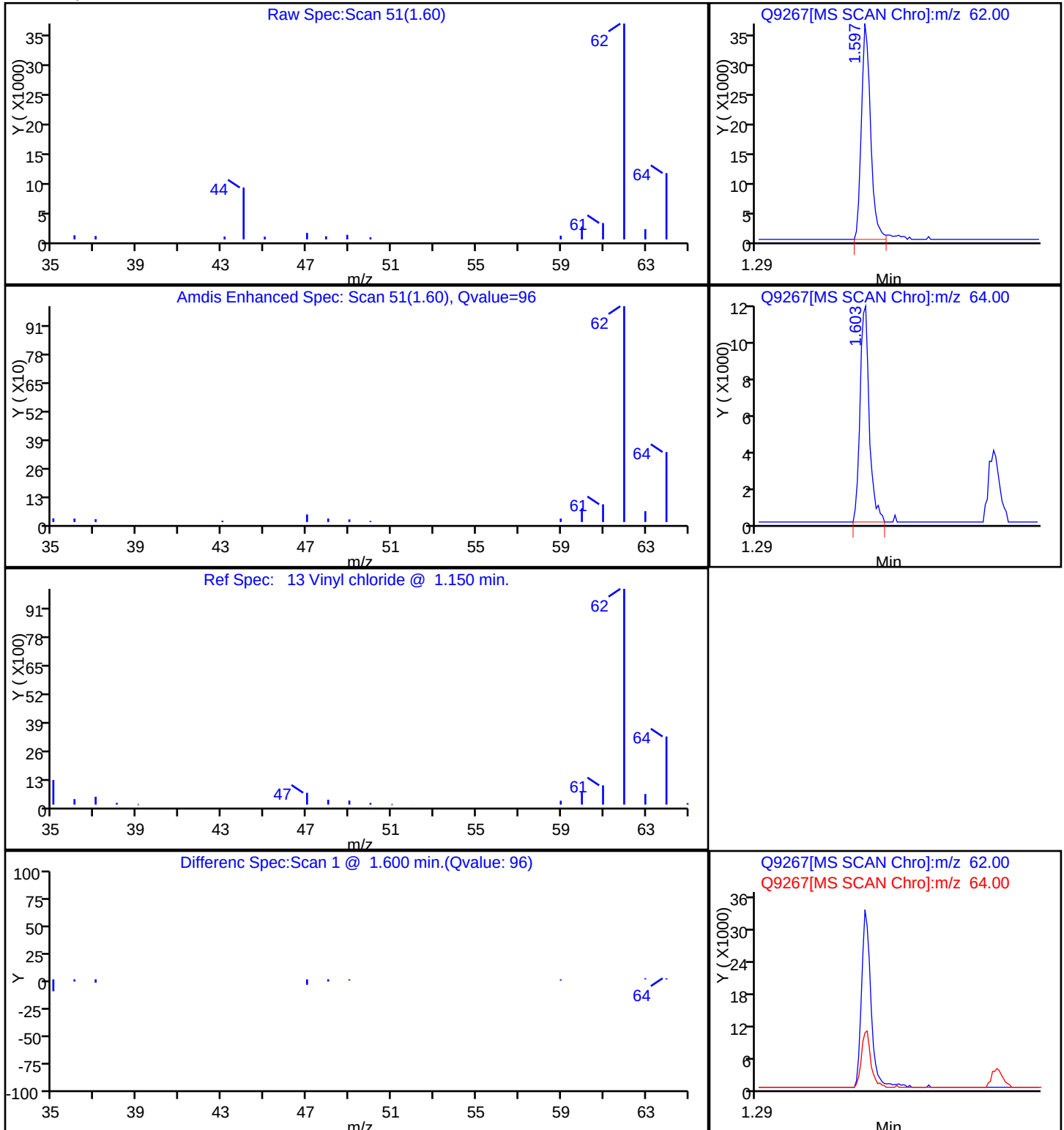
Operator ID: CDC

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

13 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: MW-4 Lab Sample ID: 480-41198-3

Matrix: Ground Water Lab File ID: Q9288.D

Analysis Method: 8260B Date Collected: 07/01/2013 14:15

Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 16:03

Soil Aliquot Vol: _____ Dilution Factor: 100

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 127825 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	82
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31
79-00-5	1,1,2-Trichloroethane	ND		100	23
75-34-3	1,1-Dichloroethane	700		100	38
75-35-4	1,1-Dichloroethene	150		100	29
120-82-1	1,2,4-Trichlorobenzene	ND		100	41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	39
106-93-4	1,2-Dibromoethane	ND		100	73
95-50-1	1,2-Dichlorobenzene	ND		100	79
107-06-2	1,2-Dichloroethane	ND		100	21
78-87-5	1,2-Dichloropropane	ND		100	72
541-73-1	1,3-Dichlorobenzene	ND		100	78
106-46-7	1,4-Dichlorobenzene	ND		100	84
78-93-3	2-Butanone (MEK)	ND		1000	130
591-78-6	2-Hexanone	ND		500	120
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	210
67-64-1	Acetone	ND		1000	300
71-43-2	Benzene	ND		100	41
75-27-4	Bromodichloromethane	ND		100	39
75-25-2	Bromoform	ND		100	26
74-83-9	Bromomethane	ND		100	69
75-15-0	Carbon disulfide	ND		100	19
56-23-5	Carbon tetrachloride	ND		100	27
108-90-7	Chlorobenzene	ND		100	75
75-00-3	Chloroethane	ND		100	32
67-66-3	Chloroform	ND		100	34
74-87-3	Chloromethane	ND		100	35
156-59-2	cis-1,2-Dichloroethene	51000	E	100	81
10061-01-5	cis-1,3-Dichloropropene	ND		100	36
110-82-7	Cyclohexane	ND		100	18
124-48-1	Dibromochloromethane	ND		100	32
75-71-8	Dichlorodifluoromethane	ND		100	68
100-41-4	Ethylbenzene	ND		100	74
98-82-8	Isopropylbenzene	ND		100	79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
 SDG No.: _____
 Client Sample ID: MW-4 Lab Sample ID: 480-41198-3
 Matrix: Ground Water Lab File ID: Q9288.D
 Analysis Method: 8260B Date Collected: 07/01/2013 14:15
 Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 16:03
 Soil Aliquot Vol: _____ Dilution Factor: 100
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 127825 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		100	50
1634-04-4	Methyl tert-butyl ether	ND		100	16
108-87-2	Methylcyclohexane	ND		100	16
75-09-2	Methylene Chloride	ND		100	44
100-42-5	Styrene	ND		100	73
127-18-4	Tetrachloroethene	ND		100	36
108-88-3	Toluene	ND		100	51
156-60-5	trans-1,2-Dichloroethene	120		100	90
10061-02-6	trans-1,3-Dichloropropene	ND		100	37
79-01-6	Trichloroethene	15000	E	100	46
75-69-4	Trichlorofluoromethane	ND		100	88
75-01-4	Vinyl chloride	300		100	90
1330-20-7	Xylenes, Total	ND		200	66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9288.D
 Lims ID: 480-41198-B-3 Client ID: MW-4
 Inject. Date: 08-Jul-2013 16:03:30 Dil. Factor: 100.0000
 Sample Type: Client
 Sample ID: 480-41198-B-3
 Misc. Info.: 480-0023280-005
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 5
 Lims Batch ID: 127825 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q-8260.m
 Last Update: 09-Jul-2013 01:02:33 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK001

First Level Reviewer: BrandtT

Date: 09-Jul-2013 08:22:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.006	5.005	0.001	94	541553	25.0	
* 2 Chlorobenzene-d5	82	7.196	7.195	0.001	84	241757	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.057	9.057	0.0	92	259268	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.701	4.695	0.006	86	83194	26.2	
\$ 5 Toluene-d8 (Surr)	98	6.088	6.088	0.0	93	605180	25.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.126	8.126	0.0	95	193031	25.2	
10 Dichlorodifluoromethane	85		1.355					
12 Chloromethane	50		1.501					
13 Vinyl chloride	62	1.599	1.592	0.007	65	19315	3.03	
14 Bromomethane	94		1.866					
15 Chloroethane	64		1.951					
17 Trichlorofluoromethane	101		2.188					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.645					
22 1,1-Dichloroethene	96	2.664	2.651	0.013	75	9027	1.45	
23 Acetone	43		2.742					
26 Carbon disulfide	76		2.827					
27 Methyl acetate	43		3.004					
30 Methylene Chloride	84		3.083					
32 Methyl tert-butyl ether	73		3.290					
34 trans-1,2-Dichloroethene	96	3.302	3.296	0.006	82	8204	1.17	
39 1,1-Dichloroethane	63	3.637	3.636	0.001	93	91741	6.97	
45 cis-1,2-Dichloroethene	96	4.087	4.086	0.001	69	4048257	507.1	E
43 2-Butanone (MEK)	43		4.099					9
50 Chloroform	83		4.330					9
51 1,1,1-Trichloroethane	97		4.445					9
52 Cyclohexane	56		4.470					
55 Carbon tetrachloride	117		4.561					
57 Benzene	78		4.719					9
58 1,2-Dichloroethane	62		4.756					9
62 Trichloroethene	95	5.200	5.194	0.006	89	1043581	145.5	E

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
64 Methylcyclohexane	83		5.315					9
65 1,2-Dichloropropane	63		5.370					9
68 Dichlorobromomethane	83		5.583					
72 cis-1,3-Dichloropropene	75		5.905					
73 4-Methyl-2-pentanone (MIBK)	43		6.003					9
74 Toluene	92		6.137					
77 trans-1,3-Dichloropropene	75		6.325					
79 1,1,2-Trichloroethane	83		6.465					9
81 Tetrachloroethene	166		6.550					
80 2-Hexanone	43		6.629					9
83 Chlorodibromomethane	129		6.769					
84 Ethylene Dibromide	107		6.854					
87 Chlorobenzene	112		7.219					
88 Ethylbenzene	91		7.286					9
90 m-Xylene & p-Xylene	106		7.378					9
91 o-Xylene	106		7.694					
92 Styrene	104		7.712					
95 Bromoform	173		7.889					
94 Isopropylbenzene	105		7.980					
97 1,1,2,2-Tetrachloroethane	83		8.254					
111 1,3-Dichlorobenzene	146		9.008					9
113 1,4-Dichlorobenzene	146		9.081					9
116 1,2-Dichlorobenzene	146		9.391					9
117 1,2-Dibromo-3-Chloropropane	75		10.042					
119 1,2,4-Trichlorobenzene	180		10.711					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

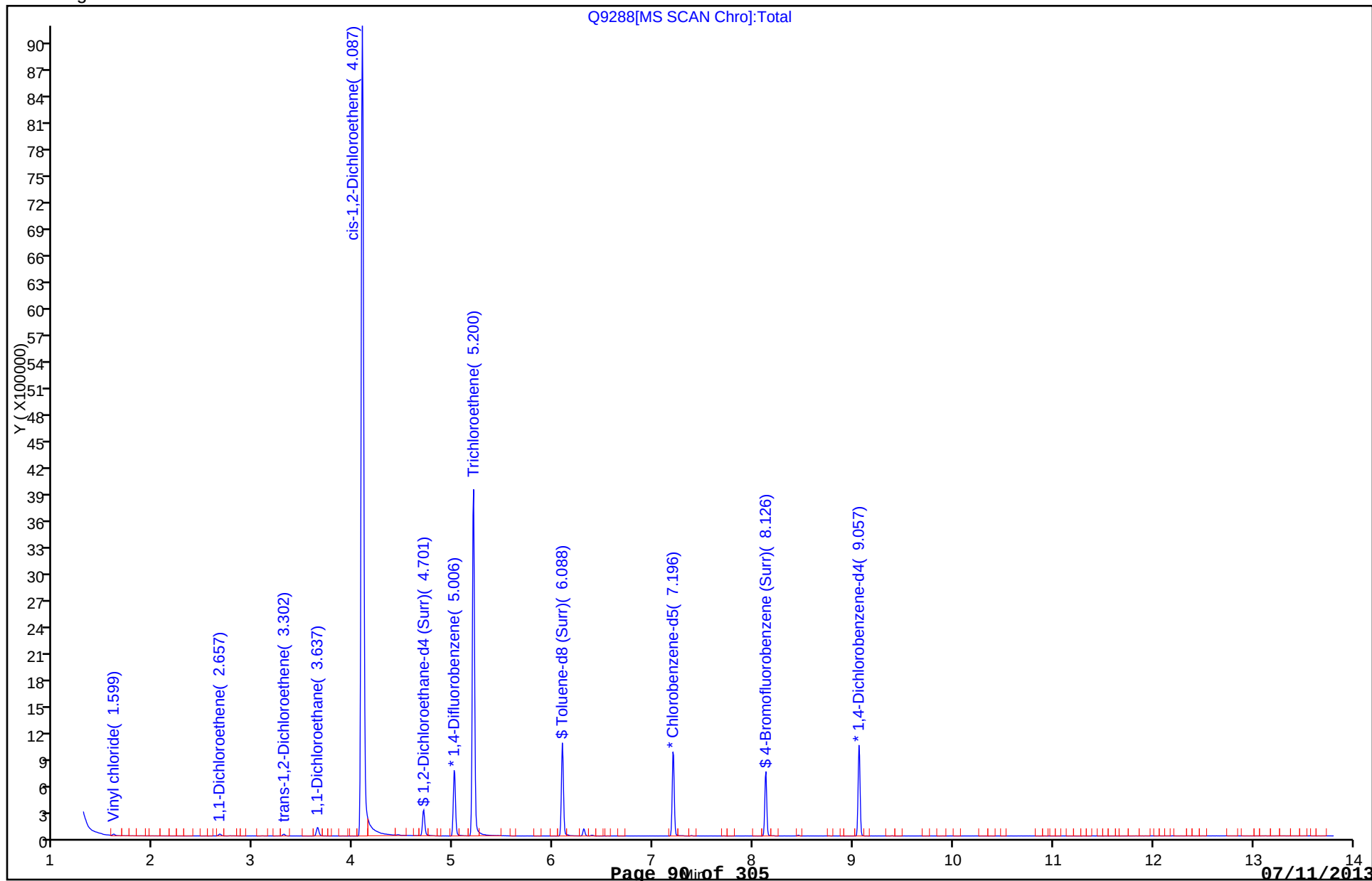
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9288.D
Injection Date: 08-Jul-2013 16:03:30 Limit Group: MV - 8260B ICAL
Client ID: MW-4 Instrument ID: HP5973Q
Lims Batch ID: 127825 Lims Sample ID: 5
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9288.D

Injection Date: 08-Jul-2013 16:03:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 5

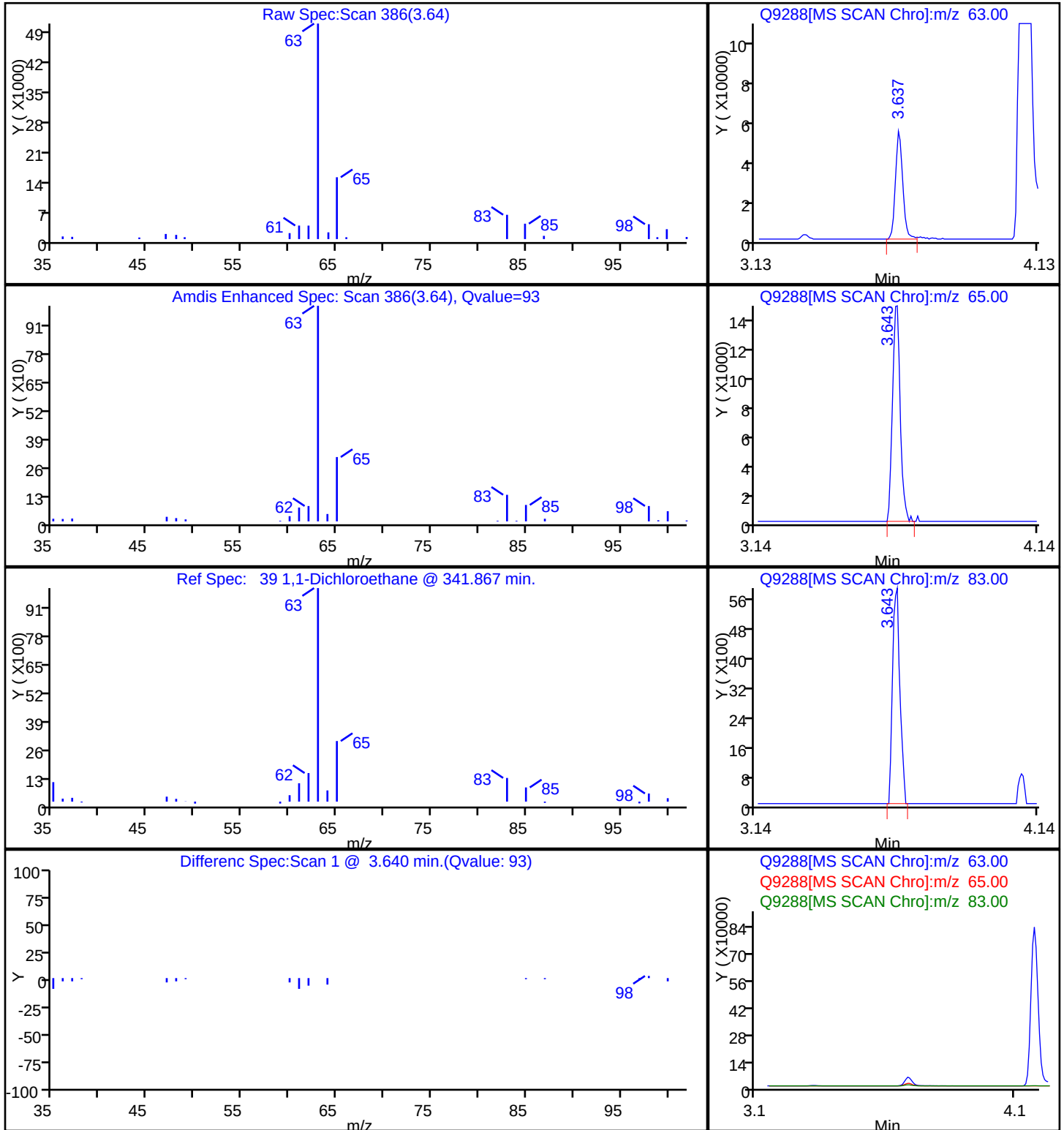
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9288.D

Injection Date: 08-Jul-2013 16:03:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 5

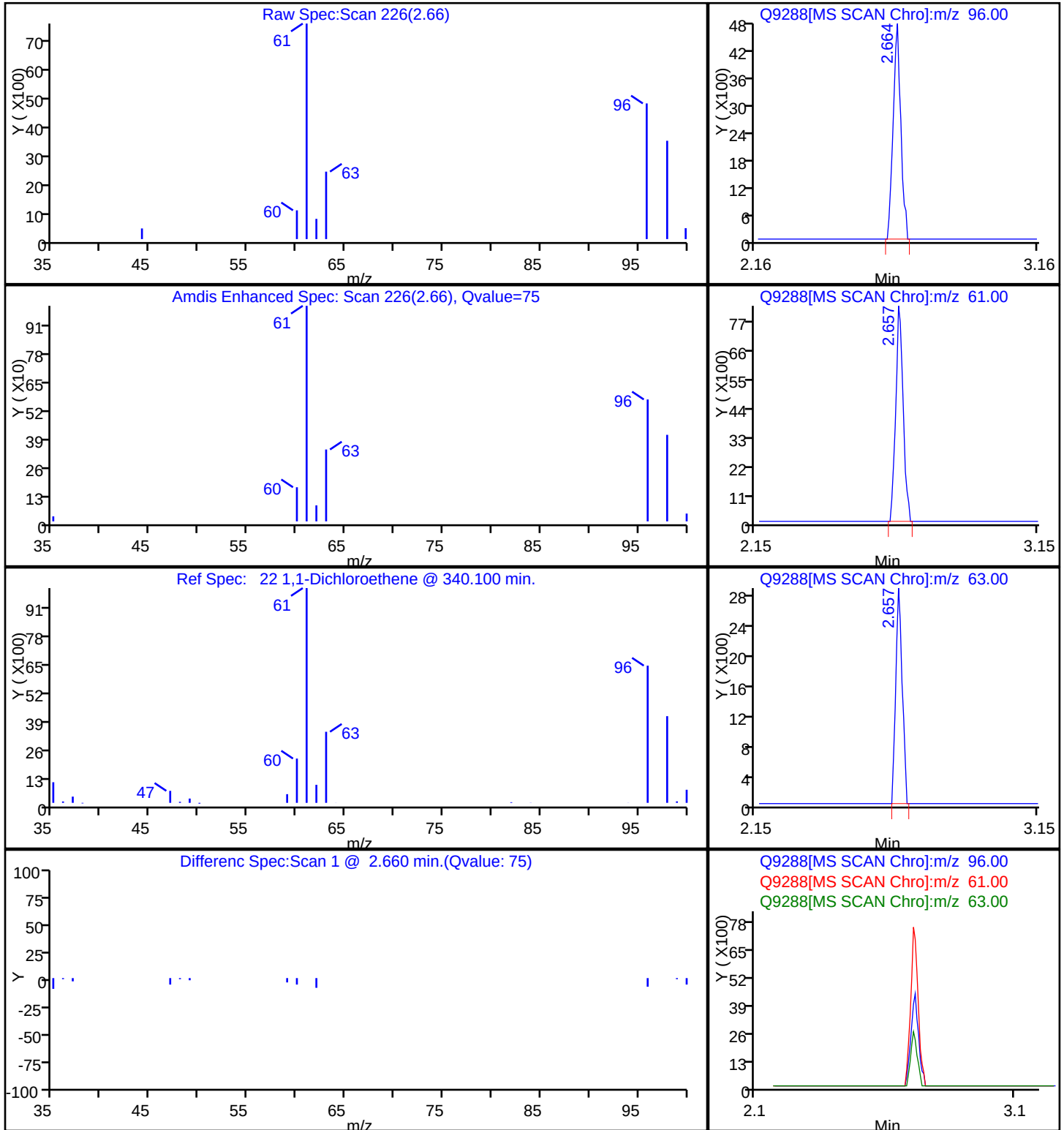
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

22 1,1-Dichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9288.D

Injection Date: 08-Jul-2013 16:03:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 5

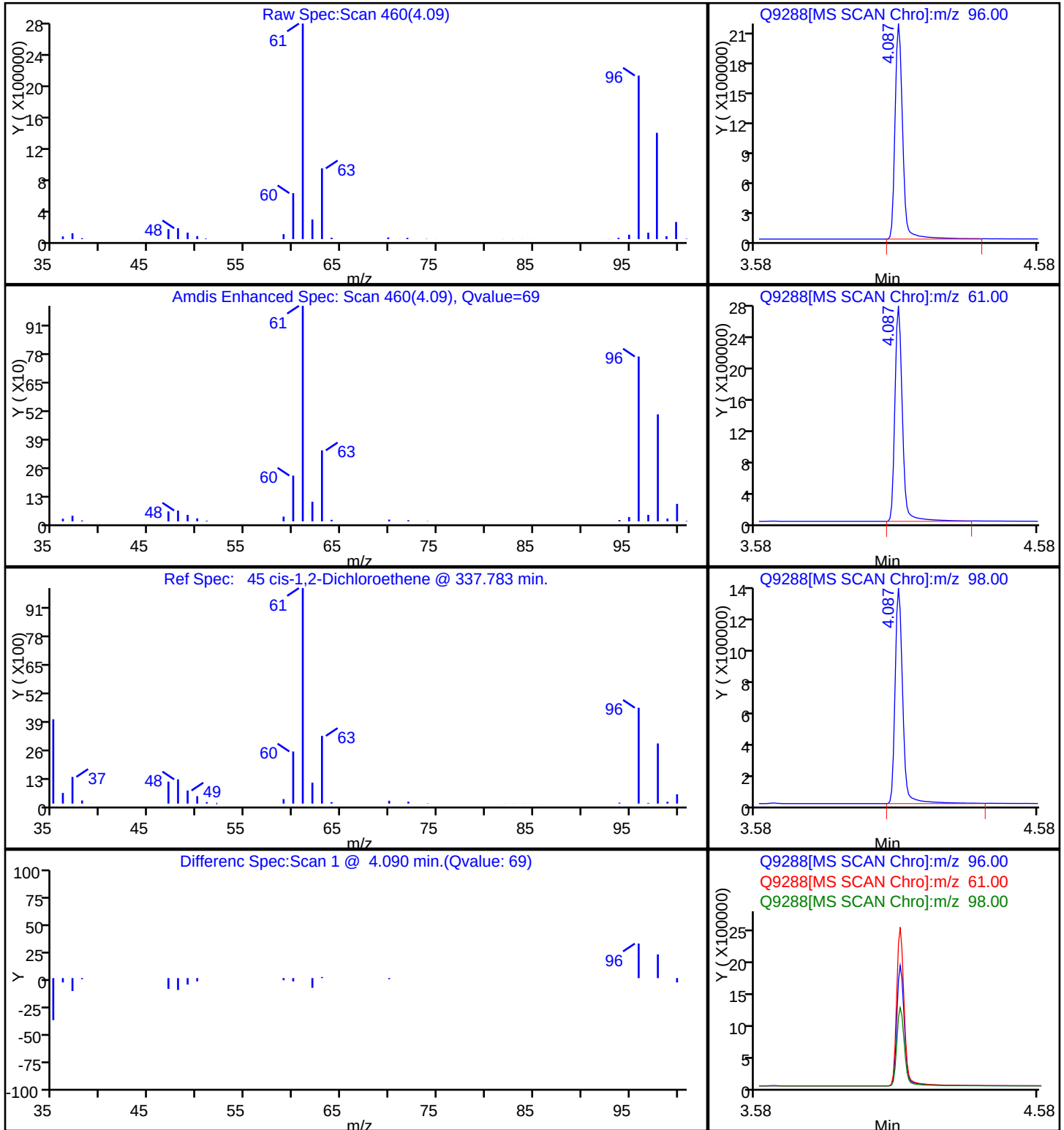
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9288.D

Injection Date: 08-Jul-2013 16:03:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 5

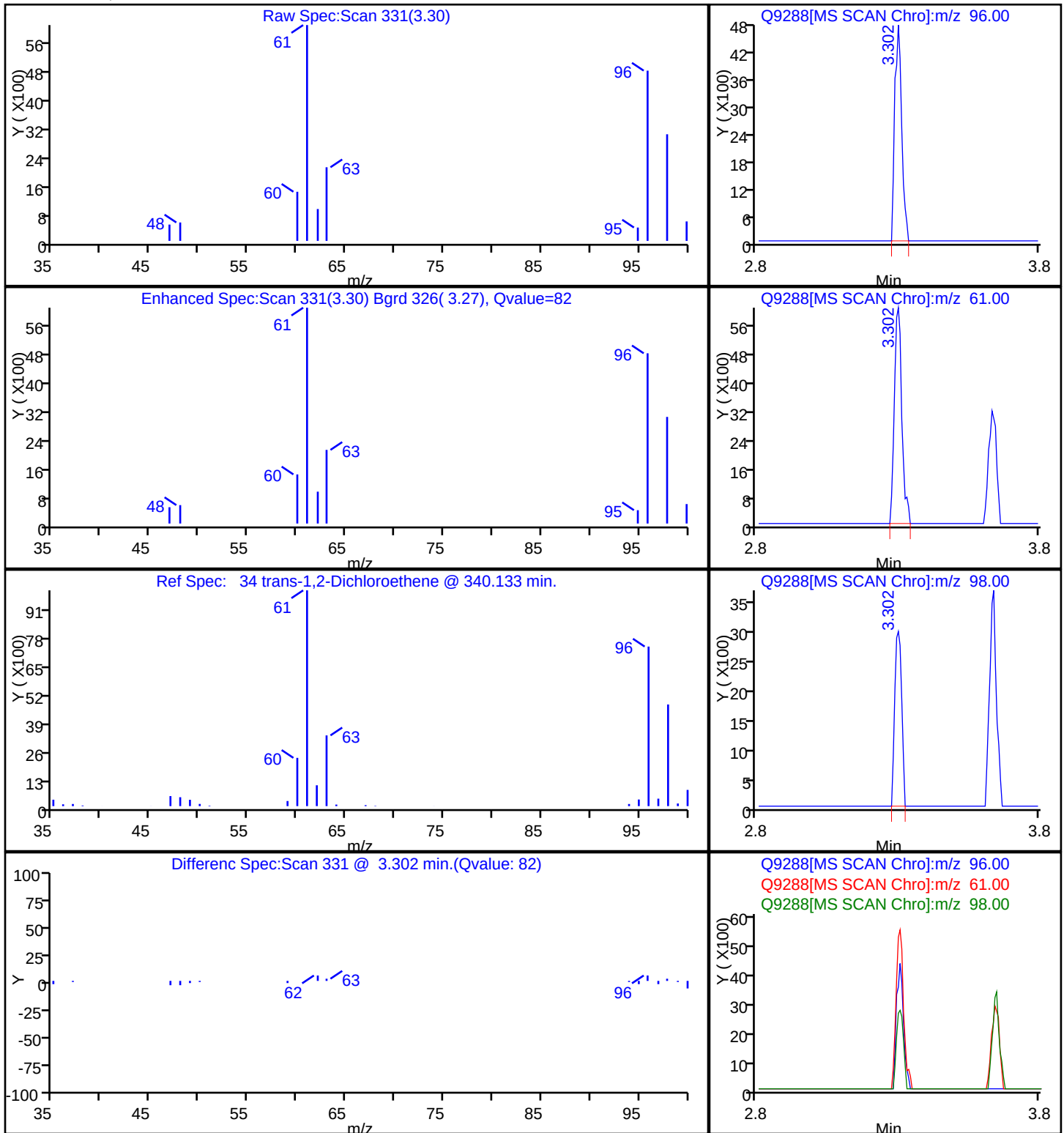
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

34 trans-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9288.D

Injection Date: 08-Jul-2013 16:03:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 5

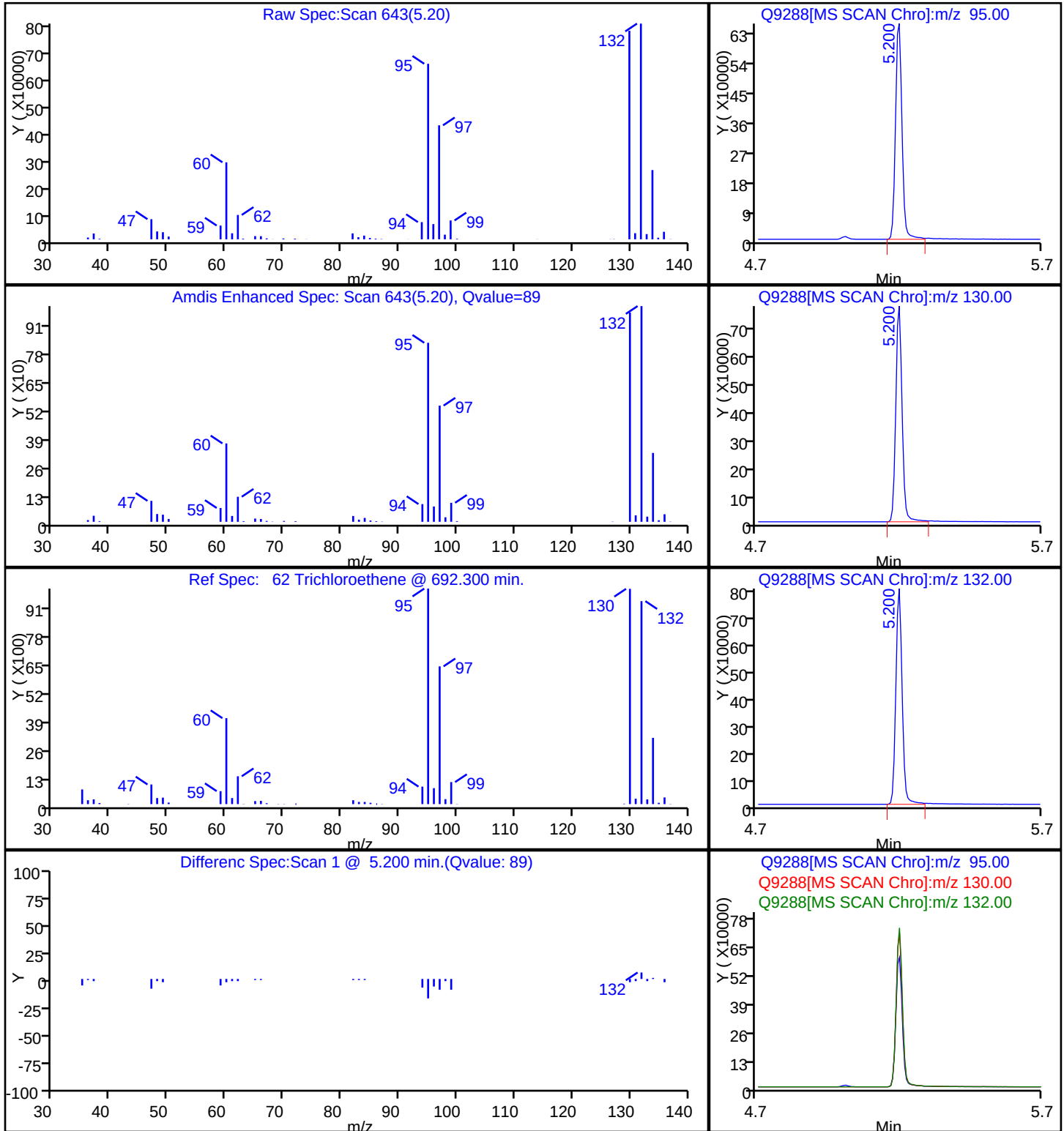
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9288.D

Injection Date: 08-Jul-2013 16:03:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 5

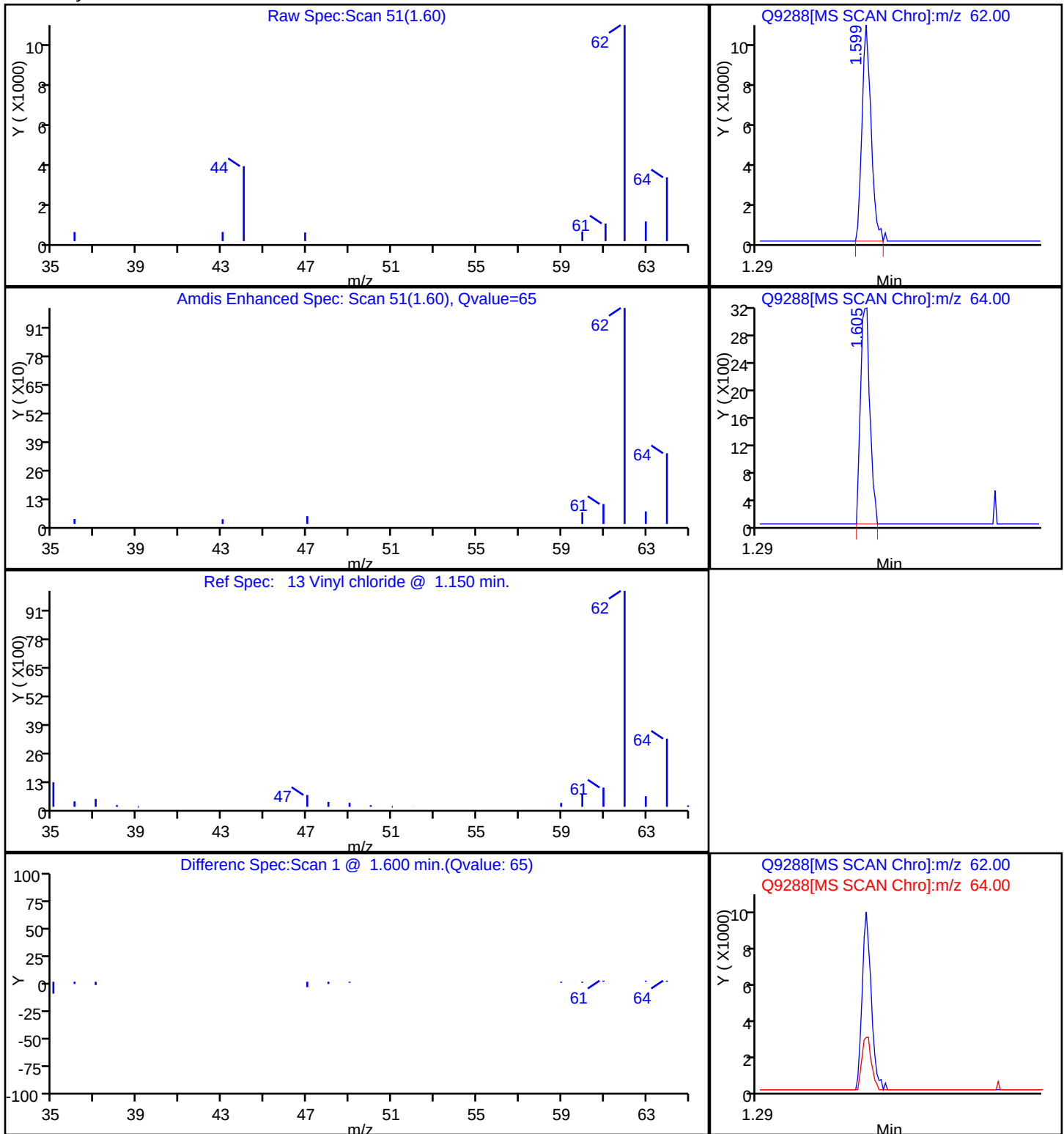
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

13 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: MW-4 DL Lab Sample ID: 480-41198-3 DL

Matrix: Ground Water Lab File ID: Q9314.D

Analysis Method: 8260B Date Collected: 07/01/2013 14:15

Sample wt/vol: 1(uL) Date Analyzed: 07/09/2013 10:36

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.: 127928 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	590	J	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	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.: 480-41198-1
 SDG No.: _____
 Client Sample ID: MW-4 DL Lab Sample ID: 480-41198-3 DL
 Matrix: Ground Water Lab File ID: Q9314.D
 Analysis Method: 8260B Date Collected: 07/01/2013 14:15
 Sample wt/vol: 1(uL) Date Analyzed: 07/09/2013 10:36
 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.: 127928 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	14000		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)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	101		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9314.D
 Lims ID: 480-41198-B-3 Client ID: MW-4
 Inject. Date: 09-Jul-2013 10:36:30 Dil. Factor: 1000.0000
 Sample Type: Client
 Sample ID: 480-41198-B-3
 Misc. Info.: 480-0023298-005
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 5
 Lims Batch ID: 127928 Lims Sample ID: 5
 Detector: MS SCAN

Method: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q-8260.m
 Last Update: 09-Jul-2013 17:12:28 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK027

First Level Reviewer: cwiklinc

Date: 09-Jul-2013 21:10:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.008	5.008	0.0	93	520241	25.0	
* 2 Chlorobenzene-d5	82	7.198	7.198	0.0	84	234256	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.059	9.059	0.0	93	247467	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.697	4.697	0.0	94	80049	26.3	
\$ 5 Toluene-d8 (Surr)	98	6.090	6.090	0.0	93	580901	25.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.128	8.122	0.006	96	186777	25.2	
10 Dichlorodifluoromethane	85		1.357					
12 Chloromethane	50		1.503					
13 Vinyl chloride	62		1.595					
14 Bromomethane	94		1.868					
15 Chloroethane	64		1.954					
17 Trichlorofluoromethane	101		2.191					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.647					
22 1,1-Dichloroethene	96		2.653					9
23 Acetone	43		2.738					
26 Carbon disulfide	76		2.830					
27 Methyl acetate	43		3.006					
30 Methylene Chloride	84		3.085					
32 Methyl tert-butyl ether	73		3.286					
34 trans-1,2-Dichloroethene	96		3.292					9
39 1,1-Dichloroethane	63	3.639	3.633	0.006	28	7449	0.5890	
45 cis-1,2-Dichloroethene	96	4.089	4.083	0.006	68	445216	58.0	
43 2-Butanone (MEK)	43		4.101					
50 Chloroform	83		4.332					9
51 1,1,1-Trichloroethane	97		4.442					
52 Cyclohexane	56		4.466					
55 Carbon tetrachloride	117		4.563					
57 Benzene	78		4.722					9
58 1,2-Dichloroethane	62		4.752					
62 Trichloroethene	95	5.196	5.196	0.0	94	97931	14.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
64 Methylcyclohexane	83		5.312					
65 1,2-Dichloropropane	63		5.366					
68 Dichlorobromomethane	83		5.585					
72 cis-1,3-Dichloropropene	75		5.902					
73 4-Methyl-2-pentanone (MIBK)	43		6.005					9
74 Toluene	92		6.139					9
77 trans-1,3-Dichloropropene	75		6.322					
79 1,1,2-Trichloroethane	83		6.468					
81 Tetrachloroethene	166		6.553					9
80 2-Hexanone	43		6.632					
83 Chlorodibromomethane	129		6.772					
84 Ethylene Dibromide	107		6.857					
87 Chlorobenzene	112		7.222					9
88 Ethylbenzene	91		7.289					9
90 m-Xylene & p-Xylene	106		7.380					
91 o-Xylene	106		7.696					9
92 Styrene	104		7.709					
95 Bromoform	173		7.891					
94 Isopropylbenzene	105		7.976					9
97 1,1,2,2-Tetrachloroethane	83		8.256					
111 1,3-Dichlorobenzene	146		9.004					9
113 1,4-Dichlorobenzene	146		9.077					
116 1,2-Dichlorobenzene	146		9.388					9
117 1,2-Dibromo-3-Chloropropane	75		10.039					
119 1,2,4-Trichlorobenzene	180		10.708					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

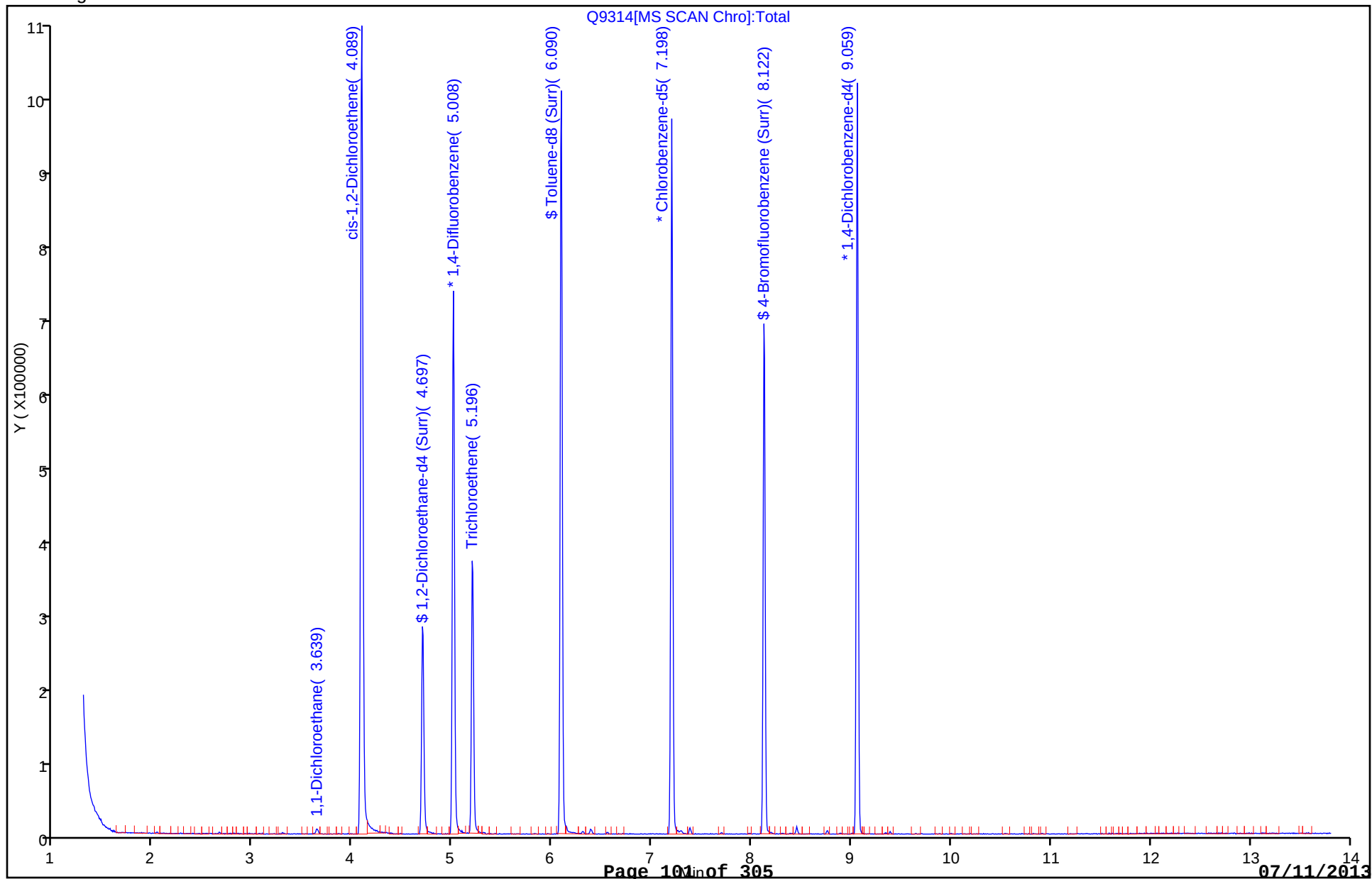
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9314.D
Injection Date: 09-Jul-2013 10:36:30 Limit Group: MV - 8260B ICAL
Client ID: MW-4 Instrument ID: HP5973Q
Lims Batch ID: 127928 Lims Sample ID: 5
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9314.D

Injection Date: 09-Jul-2013 10:36:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973Q

Lims Batch ID: 127928

Lims Sample ID: 5

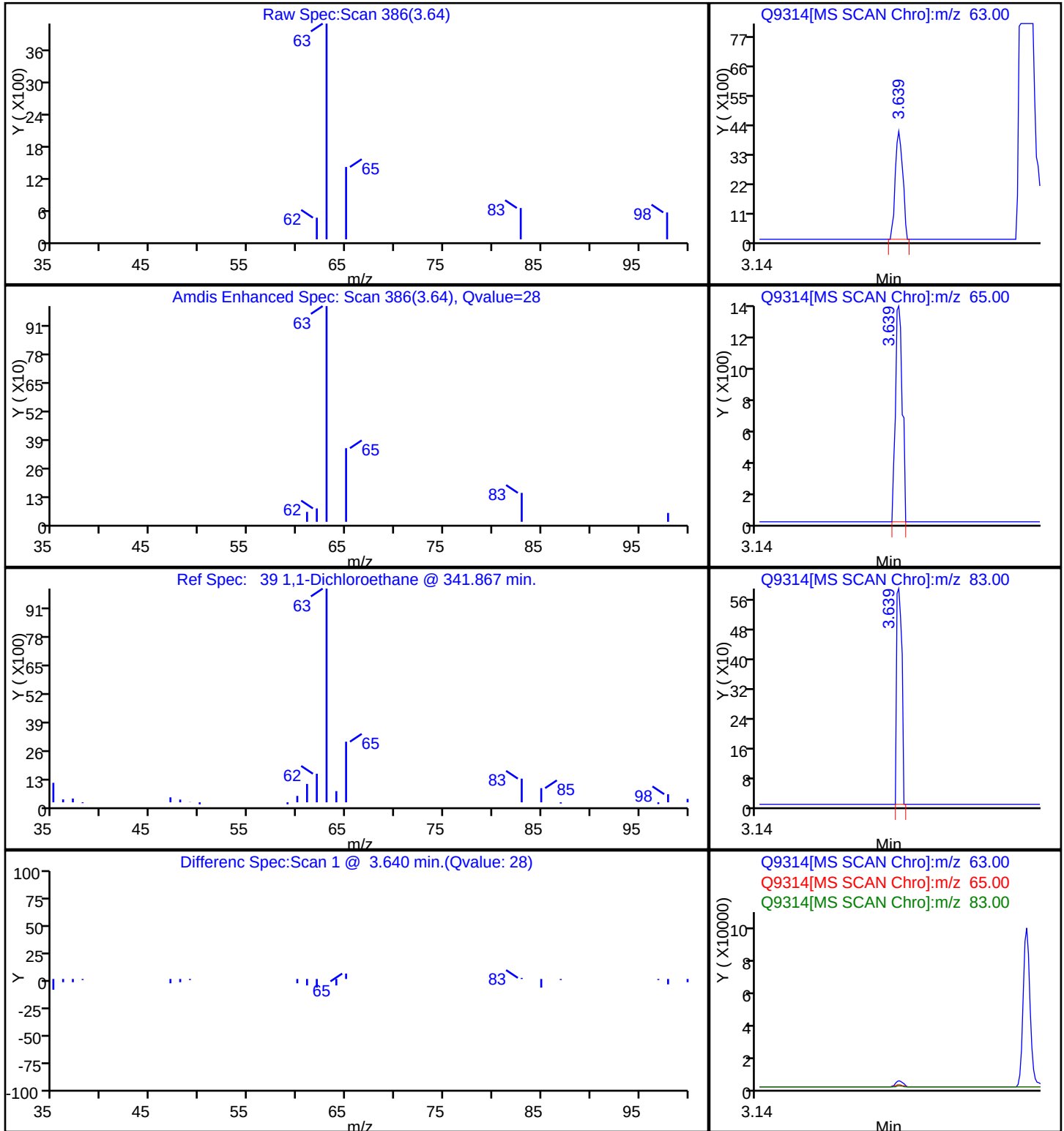
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9314.D

Injection Date: 09-Jul-2013 10:36:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973Q

Lims Batch ID: 127928

Lims Sample ID: 5

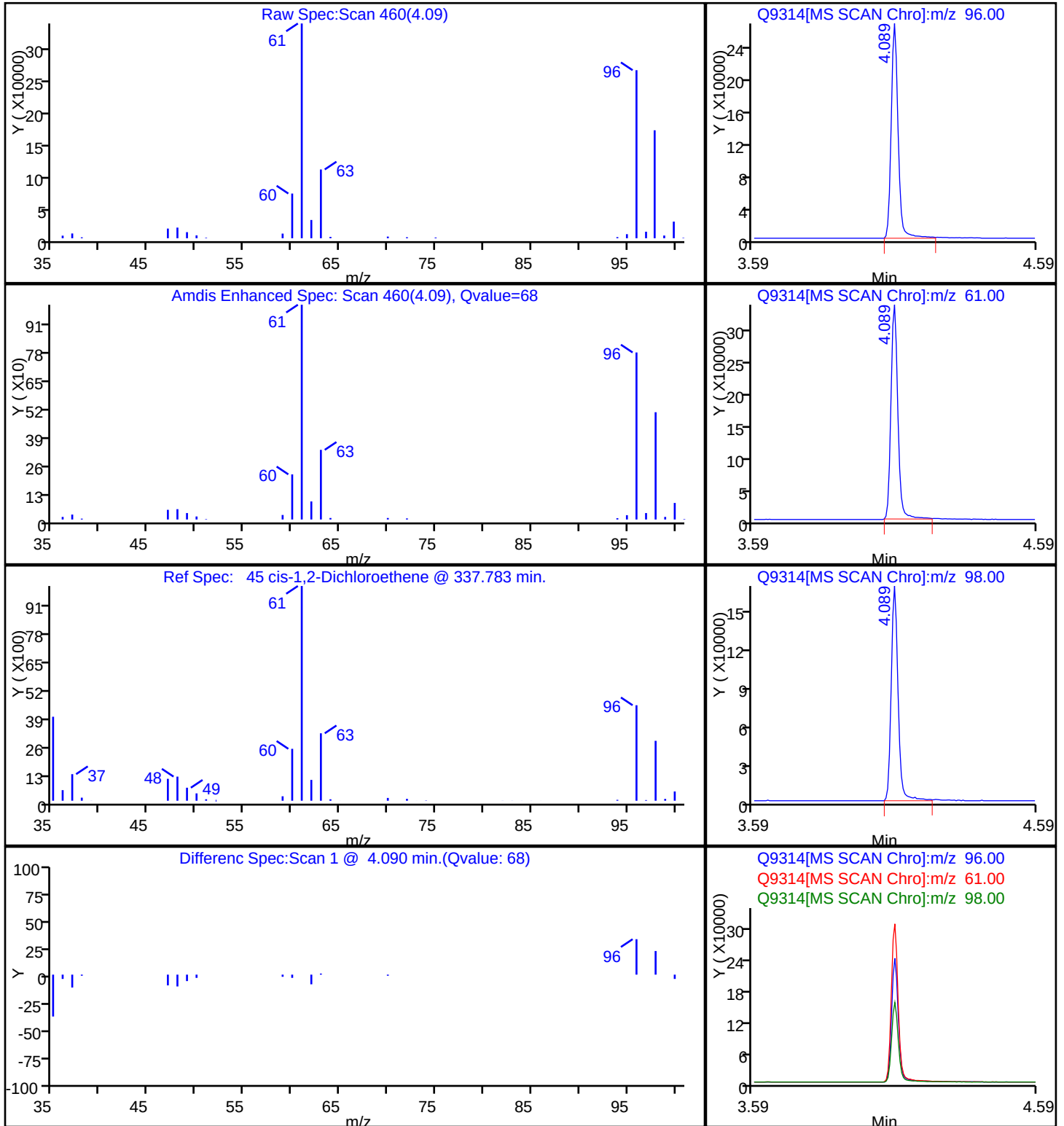
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9314.D

Injection Date: 09-Jul-2013 10:36:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973Q

Lims Batch ID: 127928

Lims Sample ID: 5

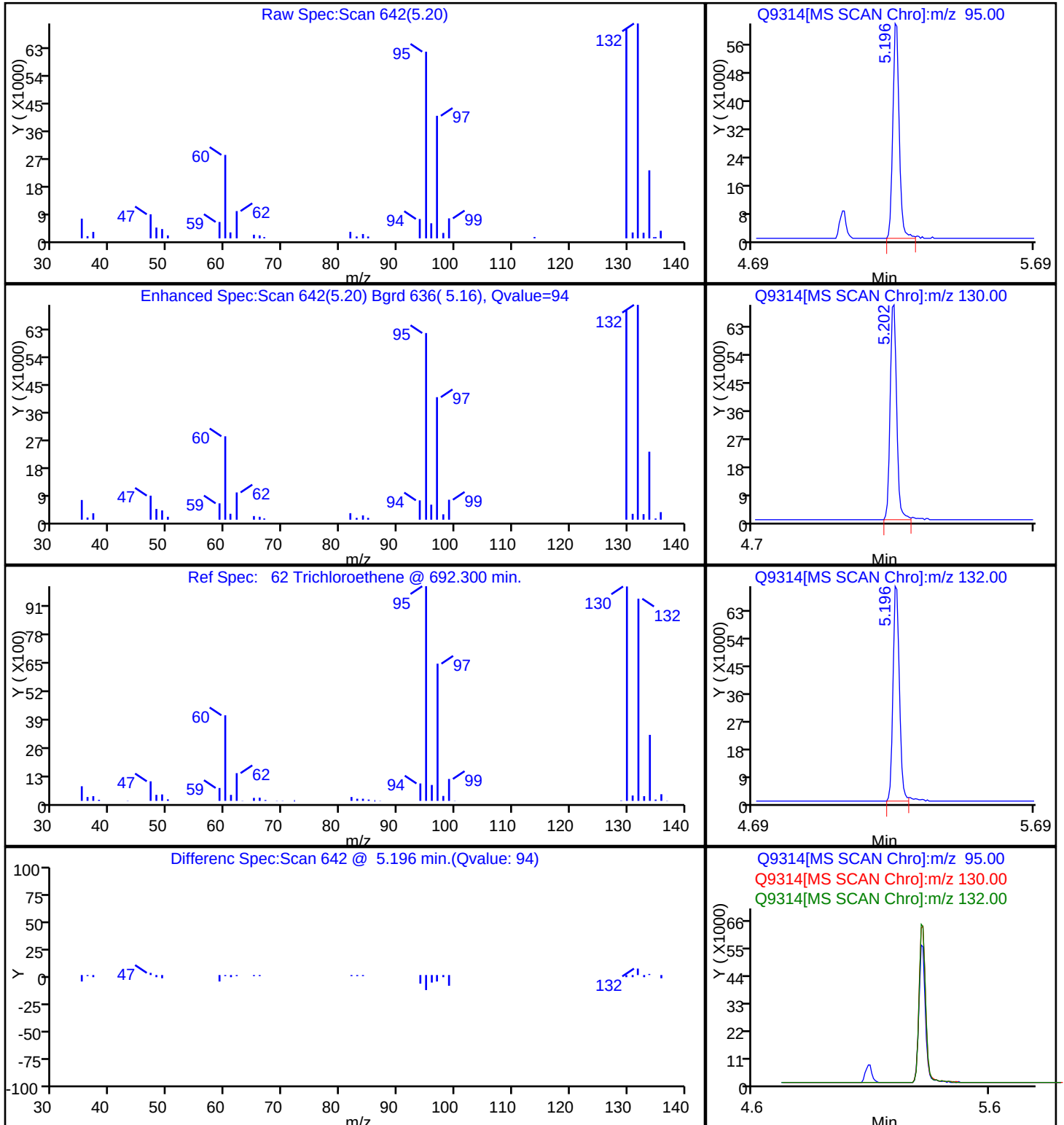
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: MW-6 Lab Sample ID: 480-41198-4

Matrix: Ground Water Lab File ID: Q9269.D

Analysis Method: 8260B Date Collected: 07/01/2013 12:10

Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 02:04

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.: 127701 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.: 480-41198-1
 SDG No.: _____
 Client Sample ID: MW-6 Lab Sample ID: 480-41198-4
 Matrix: Ground Water Lab File ID: Q9269.D
 Analysis Method: 8260B Date Collected: 07/01/2013 12:10
 Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 02:04
 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.: 127701 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)	106		66-137
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9269.D
 Lims ID: 480-41198-A-4 Client ID: MW-6
 Inject. Date: 08-Jul-2013 02:04:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-41198-A-4
 Misc. Info.: 480-0023255-012
 Operator: CDC Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 7
 Lims Batch ID: 127701 Lims Sample ID: 12
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q-8260.m
 Last Update: 08-Jul-2013 07:08:26 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK006

First Level Reviewer: BrandtT

Date: 08-Jul-2013 14:03:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.005	5.006	-0.001	94	540995	25.0	
* 2 Chlorobenzene-d5	82	7.195	7.196	-0.001	82	241043	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.057	9.057	0.0	94	259482	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.701	4.702	-0.001	86	83773	26.4	
\$ 5 Toluene-d8 (Surr)	98	6.088	6.089	-0.001	93	604007	25.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.126	8.127	-0.001	94	194807	25.5	
10 Dichlorodifluoromethane	85		1.362					
12 Chloromethane	50		1.508					
13 Vinyl chloride	62		1.599					
14 Bromomethane	94		1.879					
15 Chloroethane	64		1.964					
17 Trichlorofluoromethane	101		2.195					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.652					
22 1,1-Dichloroethene	96		2.658					
23 Acetone	43		2.743					
26 Carbon disulfide	76		2.834					
27 Methyl acetate	43		3.010					
30 Methylene Chloride	84		3.090					
32 Methyl tert-butyl ether	73		3.290					
34 trans-1,2-Dichloroethene	96		3.296					
39 1,1-Dichloroethane	63		3.637					
45 cis-1,2-Dichloroethene	96		4.087					9
43 2-Butanone (MEK)	43		4.105					
50 Chloroform	83		4.331					
51 1,1,1-Trichloroethane	97		4.446					
52 Cyclohexane	56		4.470					
55 Carbon tetrachloride	117		4.562					
57 Benzene	78		4.726					
58 1,2-Dichloroethane	62		4.756					
62 Trichloroethene	95		5.201					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
64 Methylcyclohexane	83		5.316					
65 1,2-Dichloropropane	63		5.371					
68 Dichlorobromomethane	83		5.584					
72 cis-1,3-Dichloropropene	75		5.906					
73 4-Methyl-2-pentanone (MIBK)	43		6.004				9	
74 Toluene	92		6.137					
77 trans-1,3-Dichloropropene	75		6.326					
79 1,1,2-Trichloroethane	83		6.466					
81 Tetrachloroethene	166		6.551					
80 2-Hexanone	43		6.630					
83 Chlorodibromomethane	129		6.770					
84 Ethylene Dibromide	107		6.855					
87 Chlorobenzene	112		7.220					
88 Ethylbenzene	91		7.287					
90 m-Xylene & p-Xylene	106		7.378				9	
91 o-Xylene	106		7.695				9	
92 Styrene	104		7.713					
95 Bromoform	173		7.889					
94 Isopropylbenzene	105		7.981					
97 1,1,2,2-Tetrachloroethane	83		8.254					
111 1,3-Dichlorobenzene	146		9.009					
113 1,4-Dichlorobenzene	146		9.082					
116 1,2-Dichlorobenzene	146		9.386					
117 1,2-Dibromo-3-Chloropropane	75		10.043					
119 1,2,4-Trichlorobenzene	180		10.712					
S 124 Xylenes, Total	1		30.000				7	

QC Flag Legend

Processing Flags

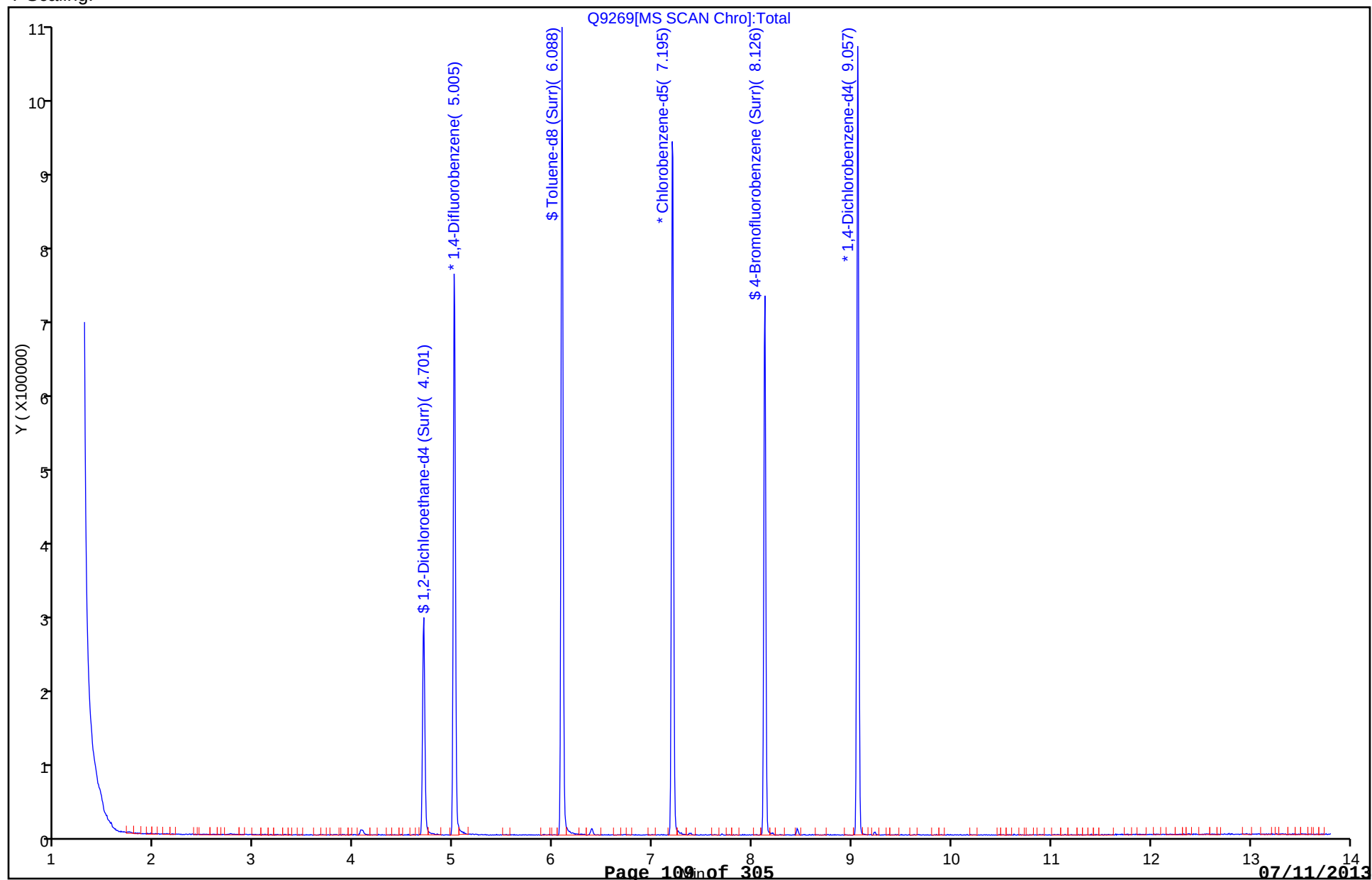
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9269.D
Injection Date: 08-Jul-2013 02:04:30 Limit Group: MV - 8260B ICAL
Client ID: MW-6 Instrument ID: HP5973Q
Lims Batch ID: 127701 Lims Sample ID: 12
Operator ID: CDC Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: MW-10 Lab Sample ID: 480-41198-5

Matrix: Water Lab File ID: Q9270.D

Analysis Method: 8260B Date Collected: 07/01/2013 11:30

Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 02:31

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.: 127701 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.: 480-41198-1
 SDG No.: _____
 Client Sample ID: MW-10 Lab Sample ID: 480-41198-5
 Matrix: Water Lab File ID: Q9270.D
 Analysis Method: 8260B Date Collected: 07/01/2013 11:30
 Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 02:31
 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.: 127701 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)	107		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\HP5973Q\20130707-23255.b\Q9270.D
 Lims ID: 480-41198-A-5 Client ID: MW-10
 Inject. Date: 08-Jul-2013 02:31:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-41198-A-5
 Misc. Info.: 480-0023255-013
 Operator: CDC Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 8
 Lims Batch ID: 127701 Lims Sample ID: 13
 Detector: MS SCAN

Method: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q-8260.m
 Last Update: 08-Jul-2013 07:08:26 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK006

First Level Reviewer: BrandtT

Date: 08-Jul-2013 14:04:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.005	5.006	-0.001	94	526858	25.0	
* 2 Chlorobenzene-d5	82	7.201	7.196	0.005	82	236728	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.062	9.057	0.005	92	261373	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.700	4.702	-0.002	94	82425	26.7	
\$ 5 Toluene-d8 (Surr)	98	6.087	6.089	-0.002	93	599283	25.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.125	8.127	-0.002	95	187670	25.1	
10 Dichlorodifluoromethane	85		1.362					
12 Chloromethane	50		1.508					
13 Vinyl chloride	62		1.599					
14 Bromomethane	94		1.879					
15 Chloroethane	64		1.964					
17 Trichlorofluoromethane	101		2.195					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.652					
22 1,1-Dichloroethene	96		2.658					
23 Acetone	43		2.743					
26 Carbon disulfide	76		2.834					
27 Methyl acetate	43		3.010					
30 Methylene Chloride	84		3.090					
32 Methyl tert-butyl ether	73		3.290					
34 trans-1,2-Dichloroethene	96		3.296					
39 1,1-Dichloroethane	63		3.637					
45 cis-1,2-Dichloroethene	96		4.087					
43 2-Butanone (MEK)	43		4.105					
50 Chloroform	83		4.331					
51 1,1,1-Trichloroethane	97		4.446					
52 Cyclohexane	56		4.470					
55 Carbon tetrachloride	117		4.562					
57 Benzene	78		4.726					
58 1,2-Dichloroethane	62		4.756					
62 Trichloroethene	95		5.201					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
64 Methylcyclohexane	83		5.316					
65 1,2-Dichloropropane	63		5.371					
68 Dichlorobromomethane	83		5.584					
72 cis-1,3-Dichloropropene	75		5.906					
73 4-Methyl-2-pentanone (MIBK)	43		6.004				9	
74 Toluene	92		6.137					
77 trans-1,3-Dichloropropene	75		6.326					
79 1,1,2-Trichloroethane	83		6.466					
81 Tetrachloroethene	166		6.551					
80 2-Hexanone	43		6.630					
83 Chlorodibromomethane	129		6.770					
84 Ethylene Dibromide	107		6.855					
87 Chlorobenzene	112		7.220					
88 Ethylbenzene	91		7.287					
90 m-Xylene & p-Xylene	106		7.378				9	
91 o-Xylene	106		7.695					
92 Styrene	104		7.713					
95 Bromoform	173		7.889					
94 Isopropylbenzene	105		7.981					
97 1,1,2,2-Tetrachloroethane	83		8.254					
111 1,3-Dichlorobenzene	146		9.009					
113 1,4-Dichlorobenzene	146		9.082					
116 1,2-Dichlorobenzene	146		9.386					
117 1,2-Dibromo-3-Chloropropane	75		10.043					
119 1,2,4-Trichlorobenzene	180		10.712					
S 124 Xylenes, Total	1		30.000				7	

QC Flag Legend

Processing Flags

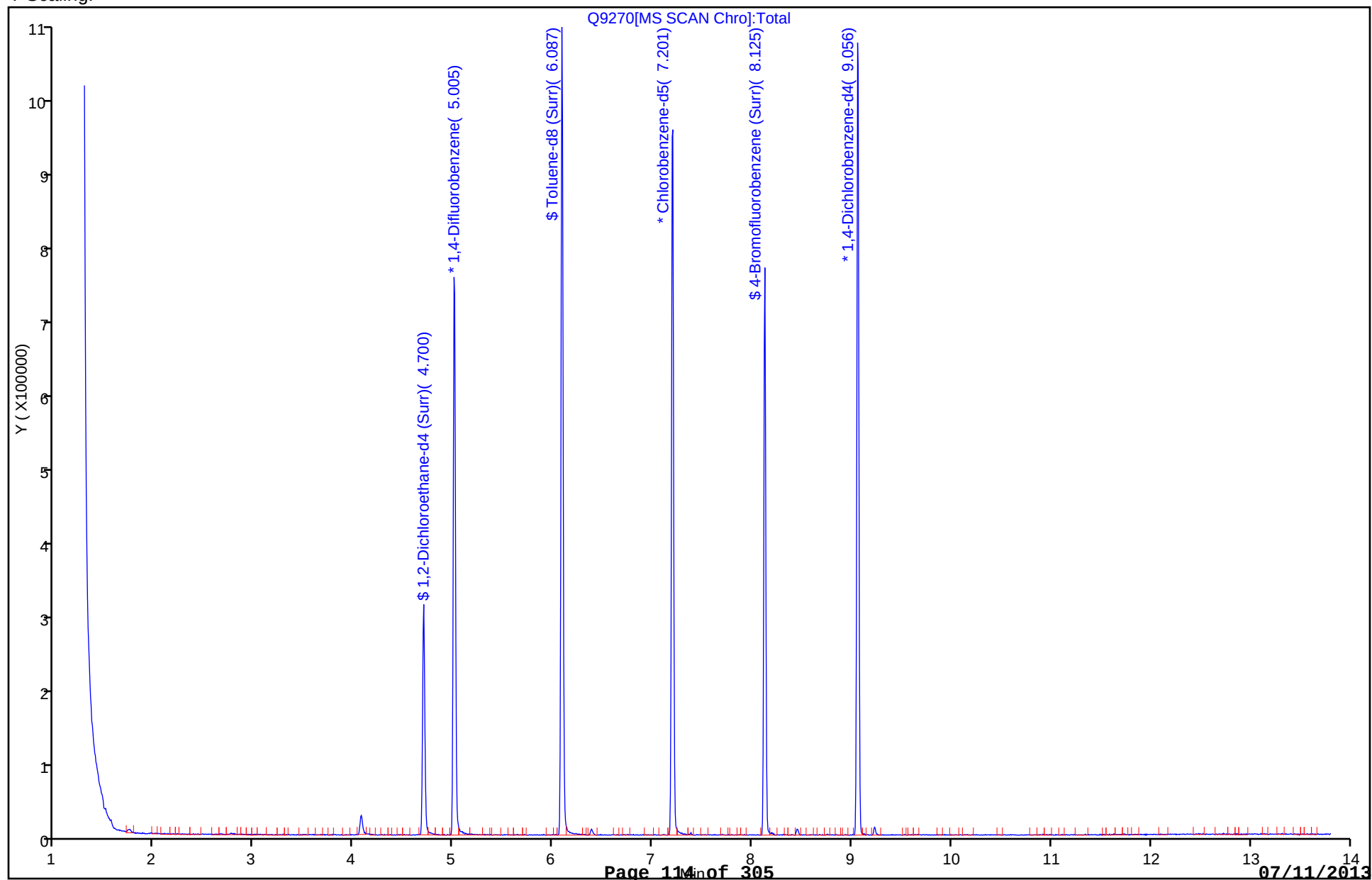
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9270.D
Injection Date: 08-Jul-2013 02:31:30 Limit Group: MV - 8260B ICAL
Client ID: MW-10 Instrument ID: HP5973Q
Lims Batch ID: 127701 Lims Sample ID: 13
Operator ID: CDC Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: MW-11 Lab Sample ID: 480-41198-6

Matrix: Ground Water Lab File ID: Q9271.D

Analysis Method: 8260B Date Collected: 07/01/2013 11:00

Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 02:59

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.: 127701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.4		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	13		1.0	0.38
75-35-4	1,1-Dichloroethene	1.8		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	21		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	55		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.: 480-41198-1
 SDG No.: _____
 Client Sample ID: MW-11 Lab Sample ID: 480-41198-6
 Matrix: Ground Water Lab File ID: Q9271.D
 Analysis Method: 8260B Date Collected: 07/01/2013 11:00
 Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 02:59
 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.: 127701 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	0.46	J	1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	20		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)	100		73-120
2037-26-5	Toluene-d8 (Surr)	103		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9271.D
 Lims ID: 480-41198-A-6 Client ID: MW-11
 Inject. Date: 08-Jul-2013 02:59:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-41198-A-6
 Misc. Info.: 480-0023255-014
 Operator: CDC Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 9
 Lims Batch ID: 127701 Lims Sample ID: 14
 Detector: MS SCAN

Method: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q-8260.m
 Last Update: 08-Jul-2013 07:08:26 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK006

First Level Reviewer: BrandtT

Date: 08-Jul-2013 14:04:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.007	5.006	0.001	93	561604	25.0	
* 2 Chlorobenzene-d5	82	7.197	7.196	0.001	84	242993	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.059	9.057	0.002	93	262866	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.703	4.702	0.001	87	83176	25.3	
\$ 5 Toluene-d8 (Surr)	98	6.090	6.089	0.001	93	614522	25.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.128	8.127	0.001	97	192079	25.0	
10 Dichlorodifluoromethane	85		1.362					
12 Chloromethane	50		1.508					
13 Vinyl chloride	62	1.600	1.599	0.001	97	132636	20.1	
14 Bromomethane	94		1.879					
15 Chloroethane	64	1.977	1.964	0.013	95	49537	21.4	
17 Trichlorofluoromethane	101		2.195					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.652					
22 1,1-Dichloroethene	96	2.665	2.658	0.007	92	11708	1.82	
23 Acetone	43		2.743					
26 Carbon disulfide	76		2.834					
27 Methyl acetate	43		3.010					
30 Methylene Chloride	84		3.090					
32 Methyl tert-butyl ether	73		3.290					
34 trans-1,2-Dichloroethene	96		3.296					
39 1,1-Dichloroethane	63	3.638	3.637	0.001	85	172163	12.6	
45 cis-1,2-Dichloroethene	96	4.088	4.087	0.001	84	452482	54.7	
43 2-Butanone (MEK)	43		4.105					9
50 Chloroform	83		4.331					
51 1,1,1-Trichloroethane	97	4.447	4.446	0.001	82	13617	1.42	
52 Cyclohexane	56		4.470					
55 Carbon tetrachloride	117		4.562					9
57 Benzene	78		4.726					9
58 1,2-Dichloroethane	62		4.756					9
62 Trichloroethene	95	5.202	5.201	0.002	52	3452	0.4641	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
64 Methylcyclohexane	83		5.316					
65 1,2-Dichloropropane	63		5.371					
68 Dichlorobromomethane	83		5.584					
72 cis-1,3-Dichloropropene	75		5.906					
73 4-Methyl-2-pentanone (MIBK)	43		6.004					9
74 Toluene	92		6.137					9
77 trans-1,3-Dichloropropene	75		6.326					
79 1,1,2-Trichloroethane	83		6.466					
81 Tetrachloroethene	166		6.551					
80 2-Hexanone	43		6.630					
83 Chlorodibromomethane	129		6.770					
84 Ethylene Dibromide	107		6.855					
87 Chlorobenzene	112		7.220					
88 Ethylbenzene	91		7.287					9
90 m-Xylene & p-Xylene	106		7.378					
91 o-Xylene	106		7.695					9
92 Styrene	104		7.713					
95 Bromoform	173		7.889					
94 Isopropylbenzene	105		7.981					
97 1,1,2,2-Tetrachloroethane	83		8.254					
111 1,3-Dichlorobenzene	146		9.009					
113 1,4-Dichlorobenzene	146		9.082					
116 1,2-Dichlorobenzene	146		9.386					
117 1,2-Dibromo-3-Chloropropane	75		10.043					
119 1,2,4-Trichlorobenzene	180		10.712					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

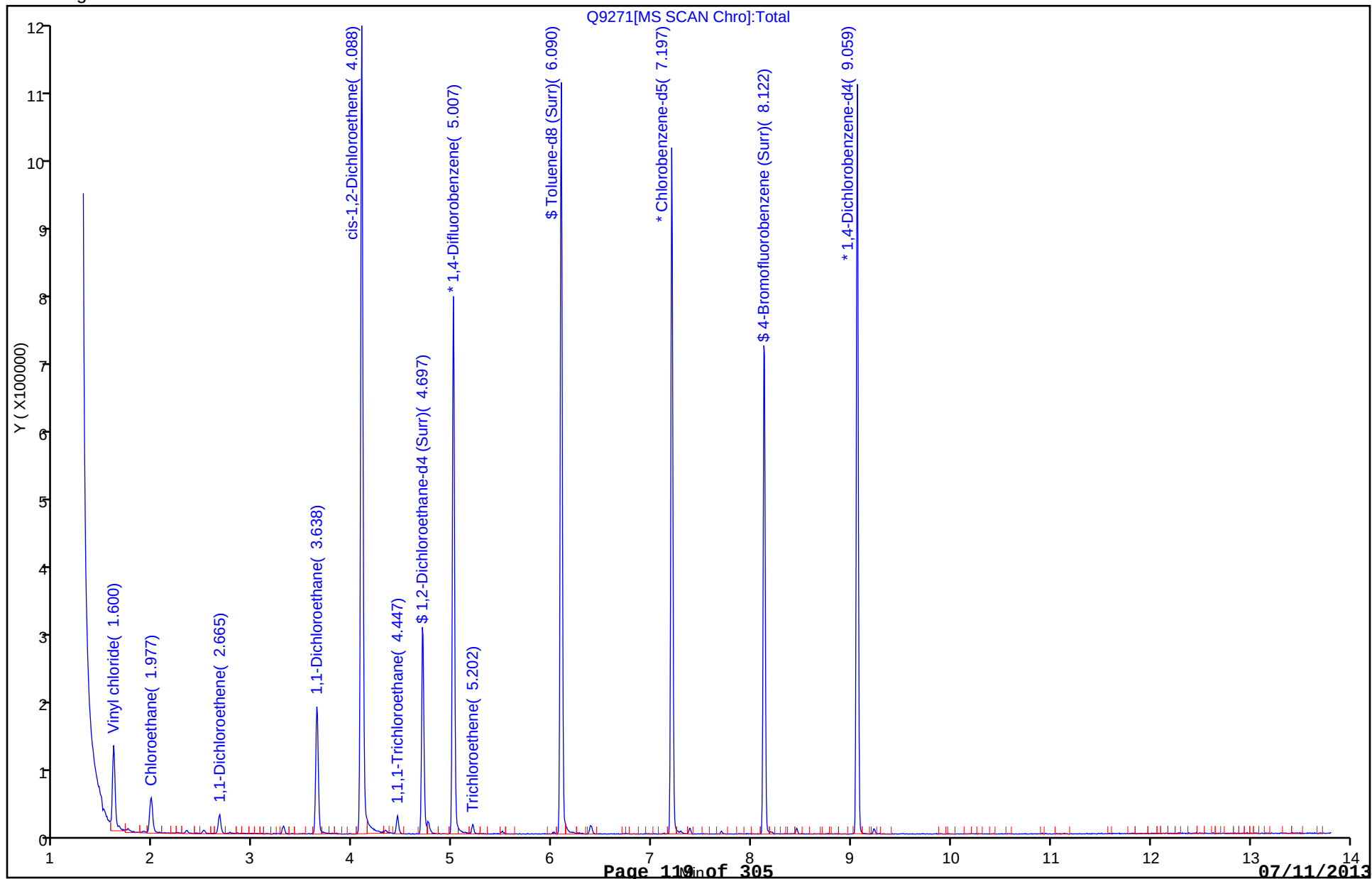
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9271.D
Injection Date: 08-Jul-2013 02:59:30 Limit Group: MV - 8260B ICAL
Client ID: MW-11 Instrument ID: HP5973Q
Lims Batch ID: 127701 Lims Sample ID: 14
Operator ID: CDC Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9271.D

Injection Date: 08-Jul-2013 02:59:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973Q

Lims Batch ID: 127701

Lims Sample ID: 14

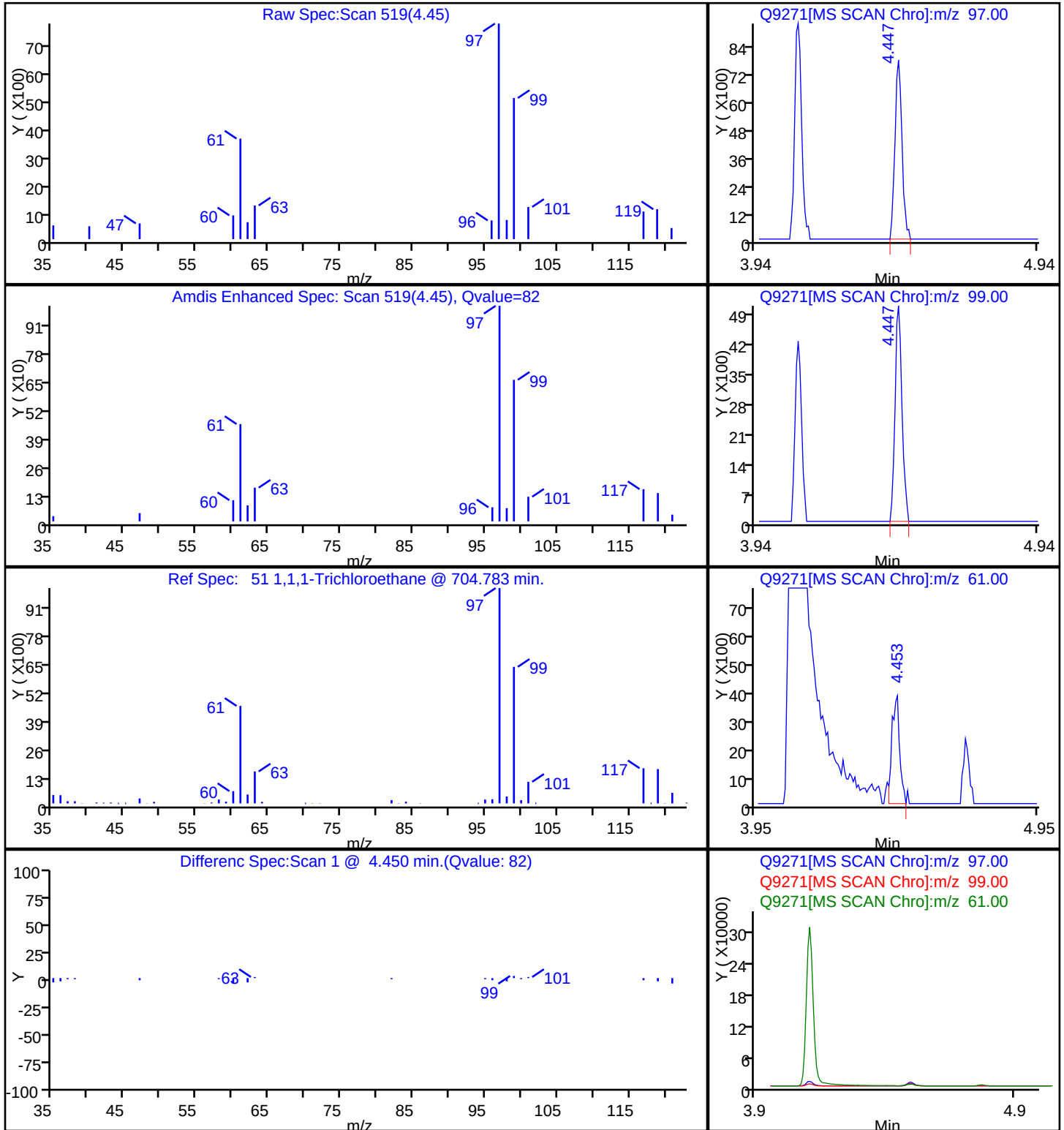
Operator ID: CDC

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

51 1,1,1-Trichloroethane



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9271.D

Injection Date: 08-Jul-2013 02:59:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973Q

Lims Batch ID: 127701

Lims Sample ID: 14

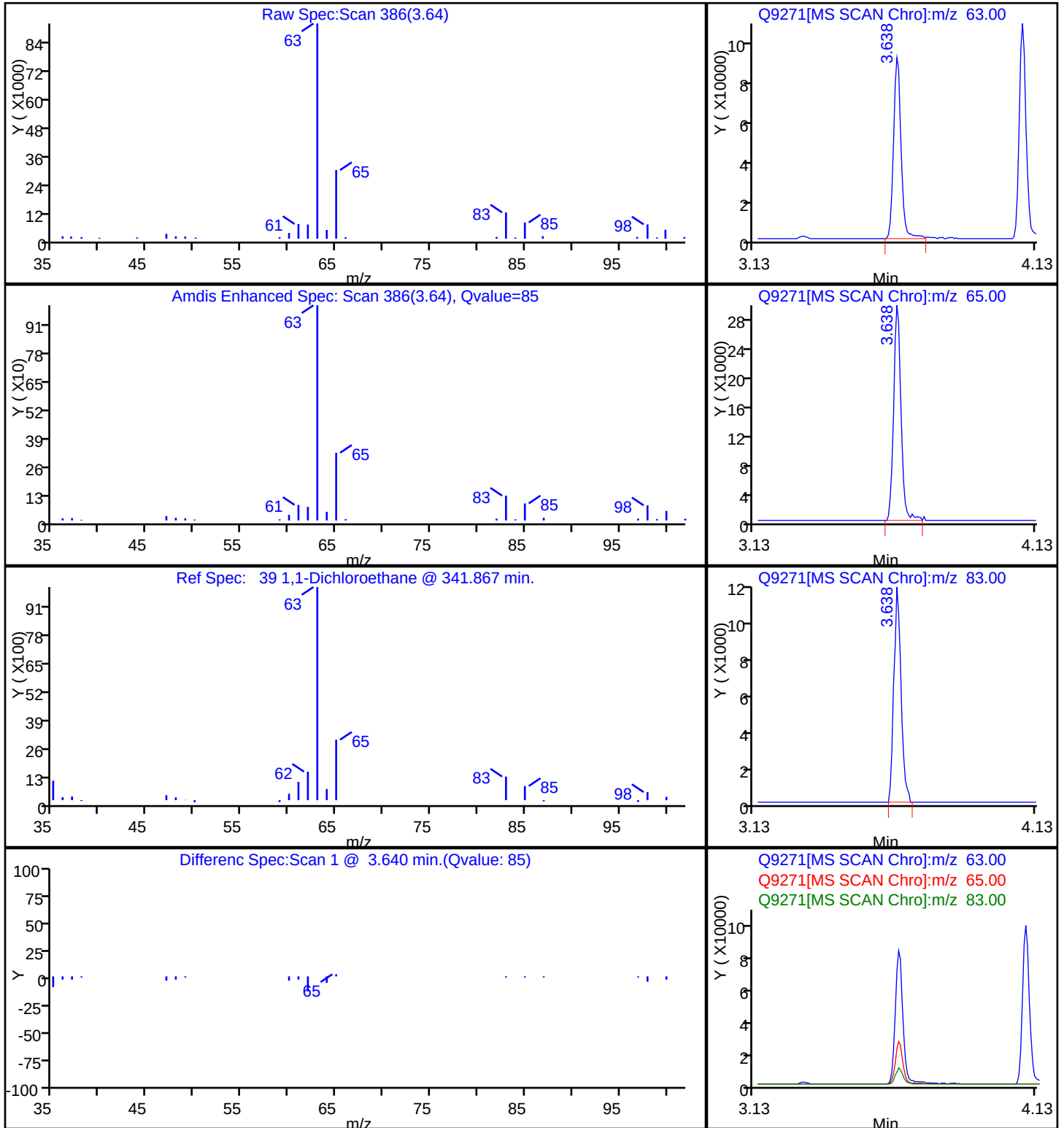
Operator ID: CDC

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9271.D

Injection Date: 08-Jul-2013 02:59:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973Q

Lims Batch ID: 127701

Lims Sample ID: 14

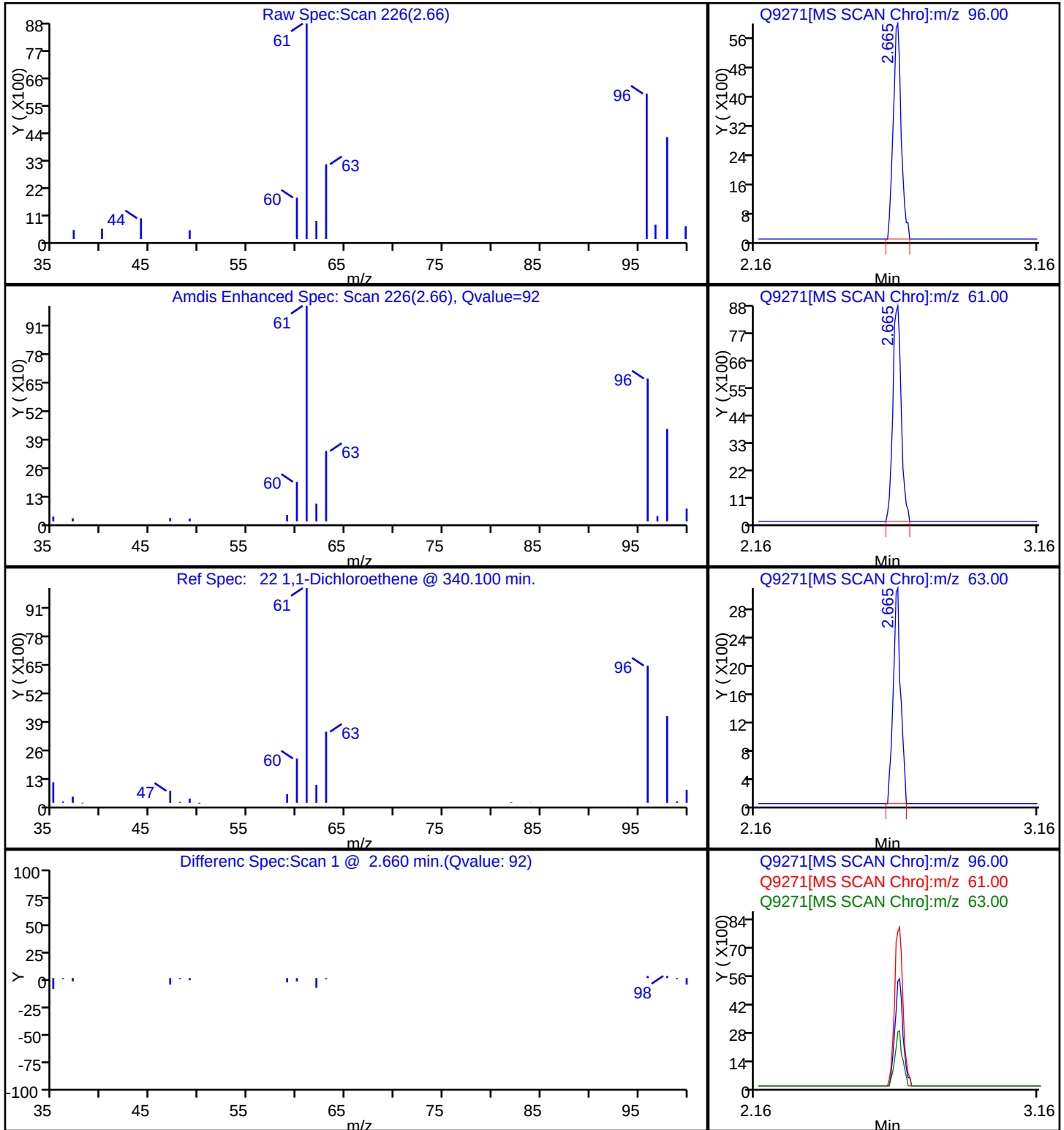
Operator ID: CDC

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

22 1,1-Dichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9271.D

Injection Date: 08-Jul-2013 02:59:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973Q

Lims Batch ID: 127701

Lims Sample ID: 14

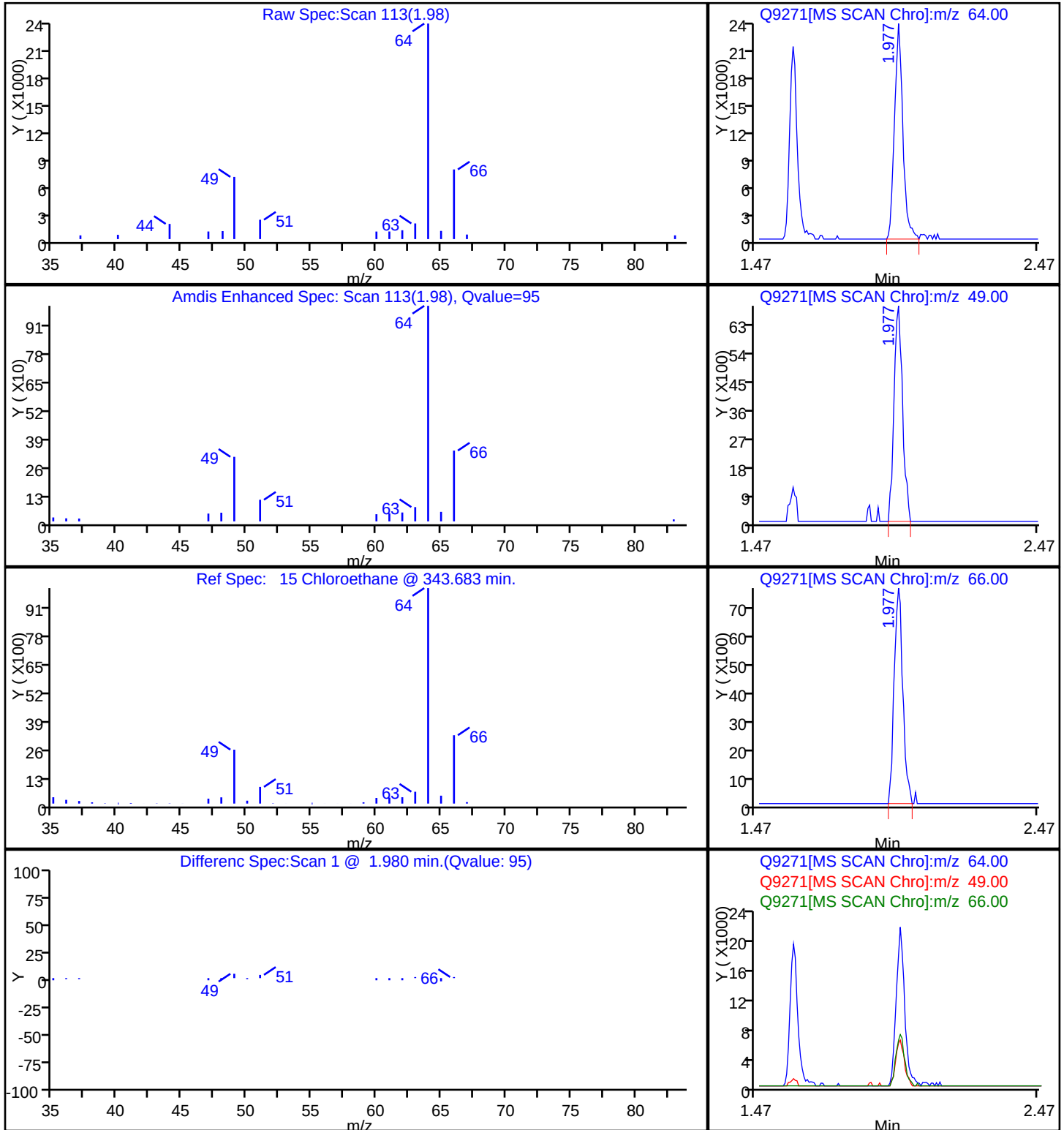
Operator ID: CDC

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9271.D

Injection Date: 08-Jul-2013 02:59:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973Q

Lims Batch ID: 127701

Lims Sample ID: 14

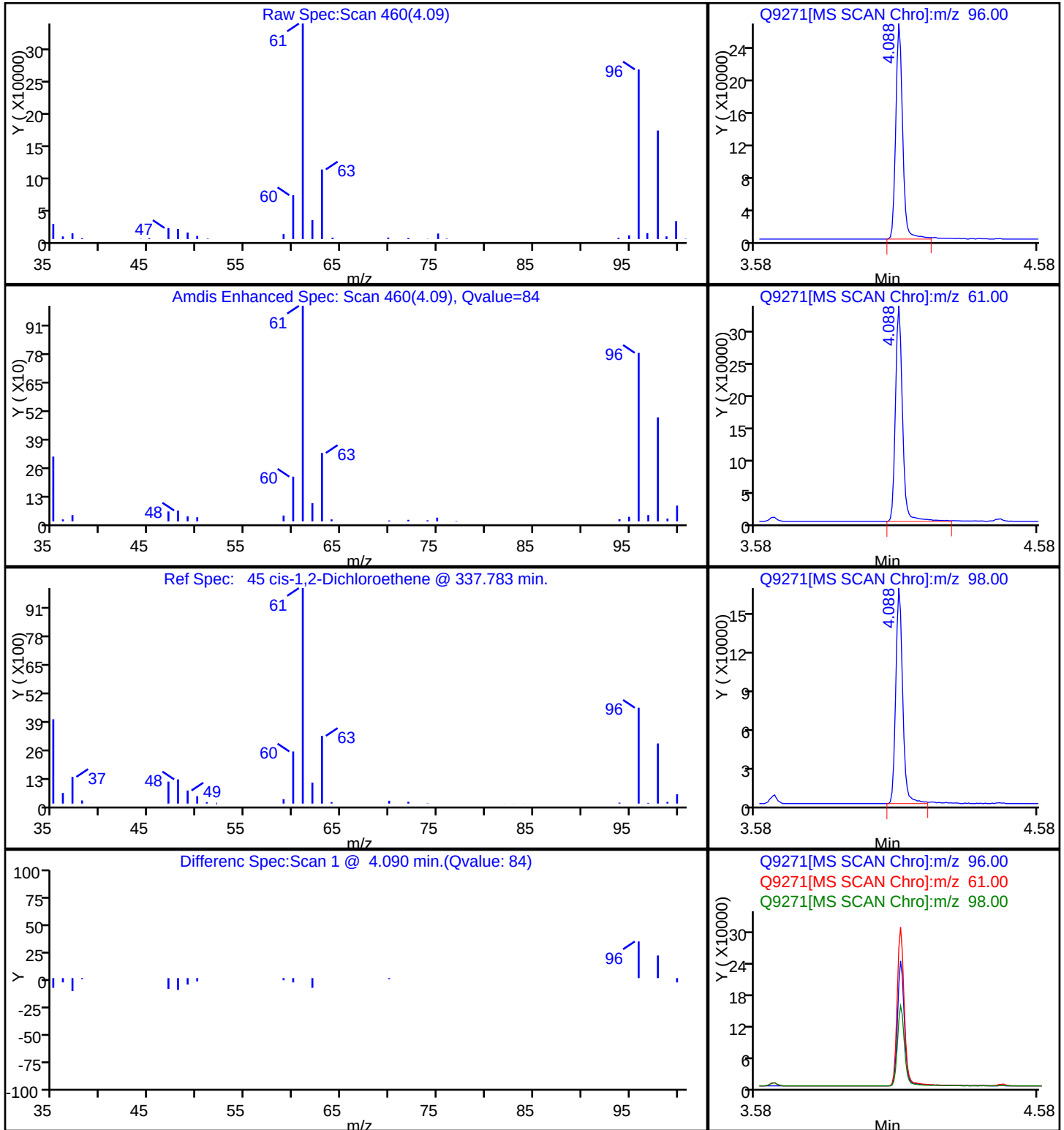
Operator ID: CDC

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9271.D

Injection Date: 08-Jul-2013 02:59:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973Q

Lims Batch ID: 127701

Lims Sample ID: 14

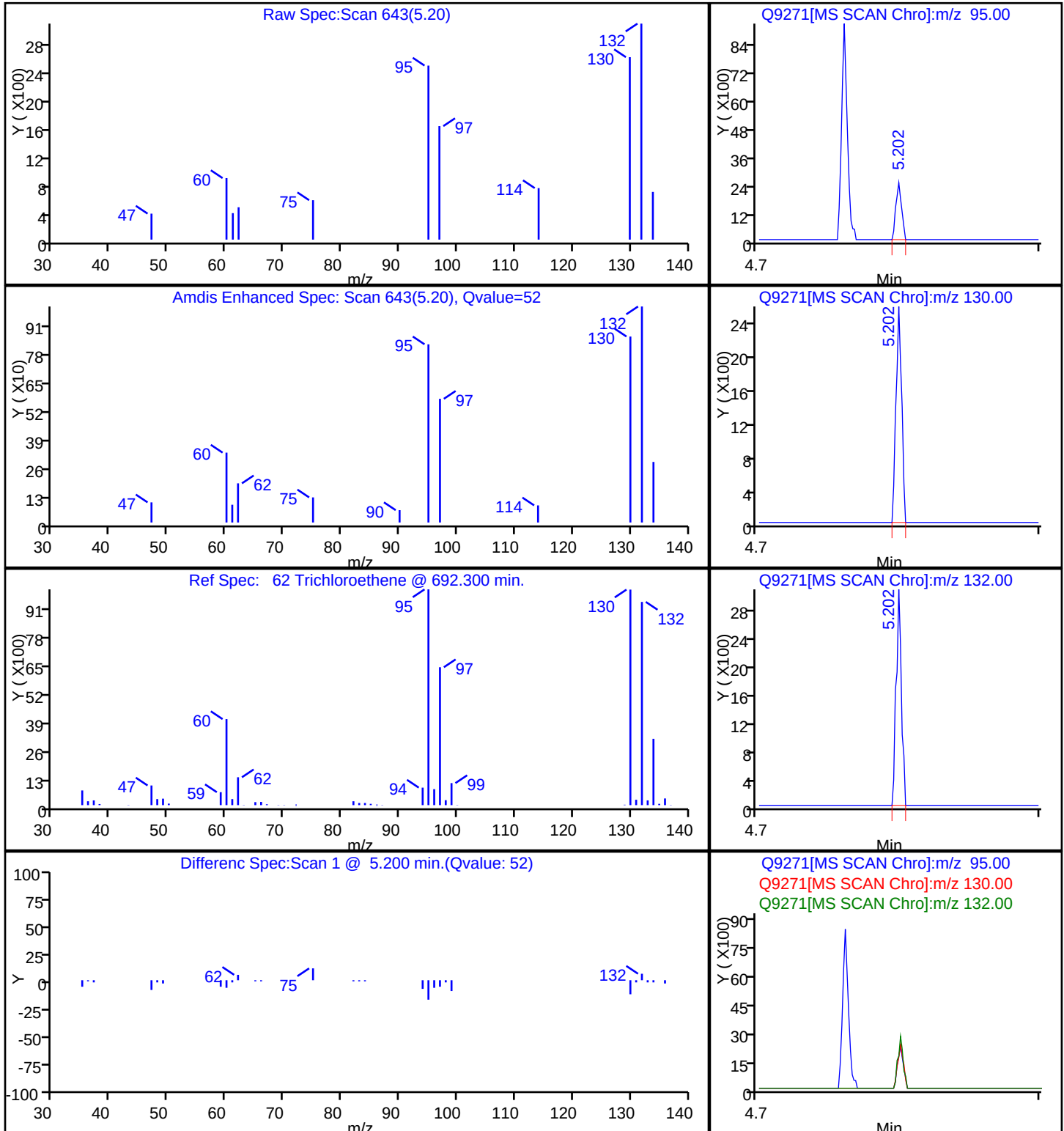
Operator ID: CDC

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9271.D

Injection Date: 08-Jul-2013 02:59:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973Q

Lims Batch ID: 127701

Lims Sample ID: 14

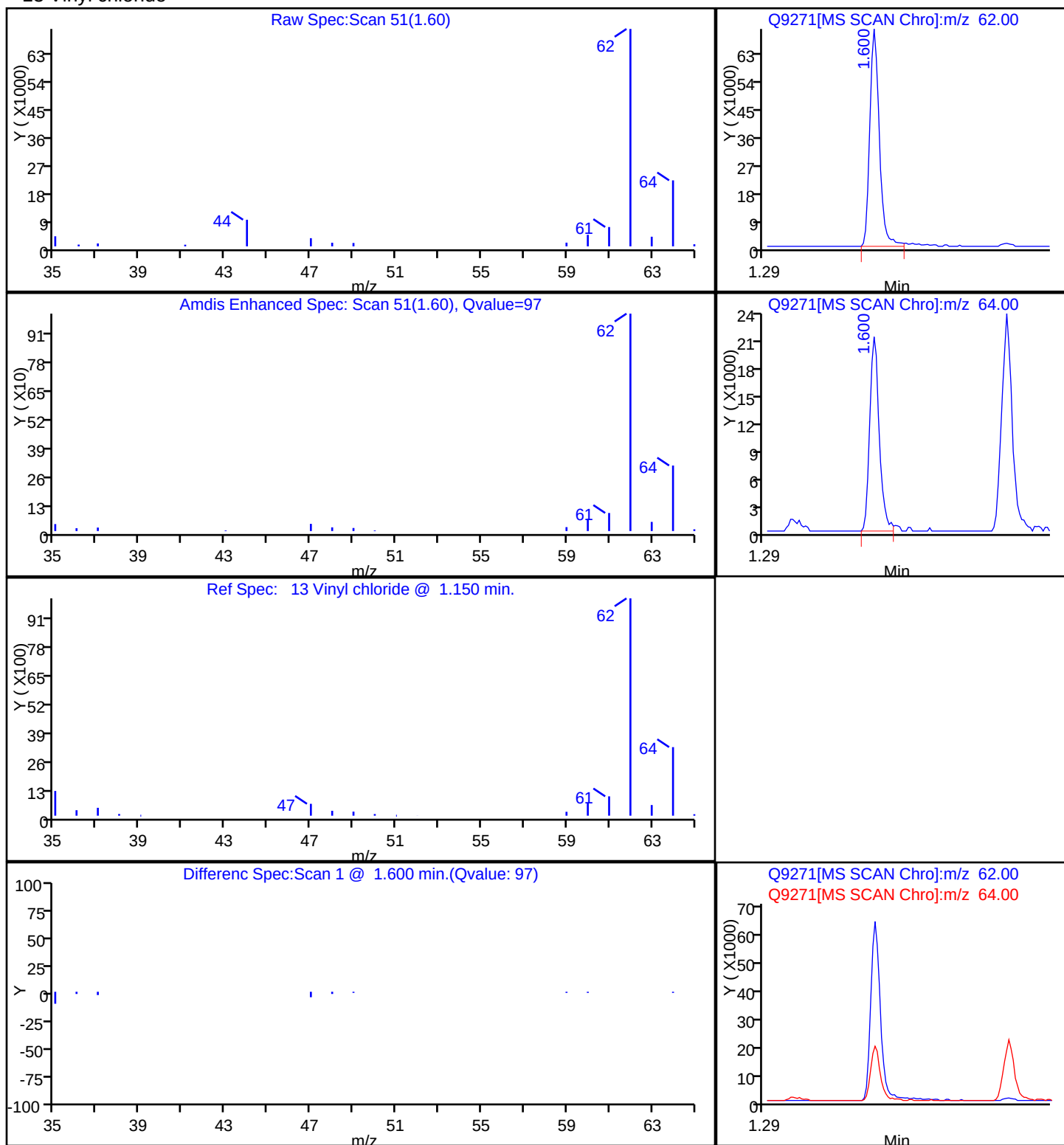
Operator ID: CDC

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

13 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: MW-12 Lab Sample ID: 480-41198-7

Matrix: Ground Water Lab File ID: Q9272.D

Analysis Method: 8260B Date Collected: 07/01/2013 13:00

Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 03:27

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 127701 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	0.30	J	1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	0.95	J	1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	38		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.: 480-41198-1
 SDG No.: _____
 Client Sample ID: MW-12 Lab Sample ID: 480-41198-7
 Matrix: Ground Water Lab File ID: Q9272.D
 Analysis Method: 8260B Date Collected: 07/01/2013 13:00
 Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 03:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 127701 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	6.6		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		66-137
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
2037-26-5	Toluene-d8 (Surr)	103		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9272.D
 Lims ID: 480-41198-A-7 Client ID: MW-12
 Inject. Date: 08-Jul-2013 03:27:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-41198-A-7
 Misc. Info.: 480-0023255-015
 Operator: CDC Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 10
 Lims Batch ID: 127701 Lims Sample ID: 15
 Detector: MS SCAN

Method: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q-8260.m
 Last Update: 08-Jul-2013 07:08:26 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK006

First Level Reviewer: BrandtT

Date: 08-Jul-2013 14:04:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.011	5.006	0.005	93	551741	25.0	
* 2 Chlorobenzene-d5	82	7.195	7.196	-0.001	83	241990	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.057	9.057	0.0	93	257049	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.701	4.702	-0.001	87	82856	25.6	
\$ 5 Toluene-d8 (Surr)	98	6.088	6.089	-0.001	93	607179	25.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.126	8.127	-0.001	95	187302	24.5	
10 Dichlorodifluoromethane	85		1.362					
12 Chloromethane	50		1.508					
13 Vinyl chloride	62	1.598	1.599	-0.001	92	42732	6.59	
14 Bromomethane	94		1.879					
15 Chloroethane	64	1.976	1.964	0.012	98	86240	37.9	
17 Trichlorofluoromethane	101		2.195					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.652					
22 1,1-Dichloroethene	96		2.658					
23 Acetone	43		2.743					
26 Carbon disulfide	76		2.834					
27 Methyl acetate	43		3.010					
30 Methylene Chloride	84		3.090					
32 Methyl tert-butyl ether	73		3.290					
34 trans-1,2-Dichloroethene	96		3.296					
39 1,1-Dichloroethane	63		3.637					
45 cis-1,2-Dichloroethene	96		4.087					9
43 2-Butanone (MEK)	43		4.105					9
50 Chloroform	83		4.331					
51 1,1,1-Trichloroethane	97		4.446					
52 Cyclohexane	56		4.470					
55 Carbon tetrachloride	117		4.562					
57 Benzene	78	4.725	4.726	-0.001	57	27532	0.9470	
58 1,2-Dichloroethane	62	4.756	4.756	0.0	29	2815	0.2968	
62 Trichloroethene	95		5.201					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
64 Methylcyclohexane	83		5.316					
65 1,2-Dichloropropane	63		5.371				9	
68 Dichlorobromomethane	83		5.584					
72 cis-1,3-Dichloropropene	75		5.906					
73 4-Methyl-2-pentanone (MIBK)	43		6.004				9	
74 Toluene	92		6.137				9	
77 trans-1,3-Dichloropropene	75		6.326					
79 1,1,2-Trichloroethane	83		6.466					
81 Tetrachloroethene	166		6.551					
80 2-Hexanone	43		6.630				9	
83 Chlorodibromomethane	129		6.770					
84 Ethylene Dibromide	107		6.855					
87 Chlorobenzene	112		7.220					
88 Ethylbenzene	91		7.287				9	
90 m-Xylene & p-Xylene	106		7.378					
91 o-Xylene	106		7.695				9	
92 Styrene	104		7.713					
95 Bromoform	173		7.889					
94 Isopropylbenzene	105		7.981					
97 1,1,2,2-Tetrachloroethane	83		8.254					
111 1,3-Dichlorobenzene	146		9.009					
113 1,4-Dichlorobenzene	146		9.082					
116 1,2-Dichlorobenzene	146		9.386					
117 1,2-Dibromo-3-Chloropropane	75		10.043					
119 1,2,4-Trichlorobenzene	180		10.712					
S 124 Xylenes, Total	1		30.000				7	

QC Flag Legend

Processing Flags

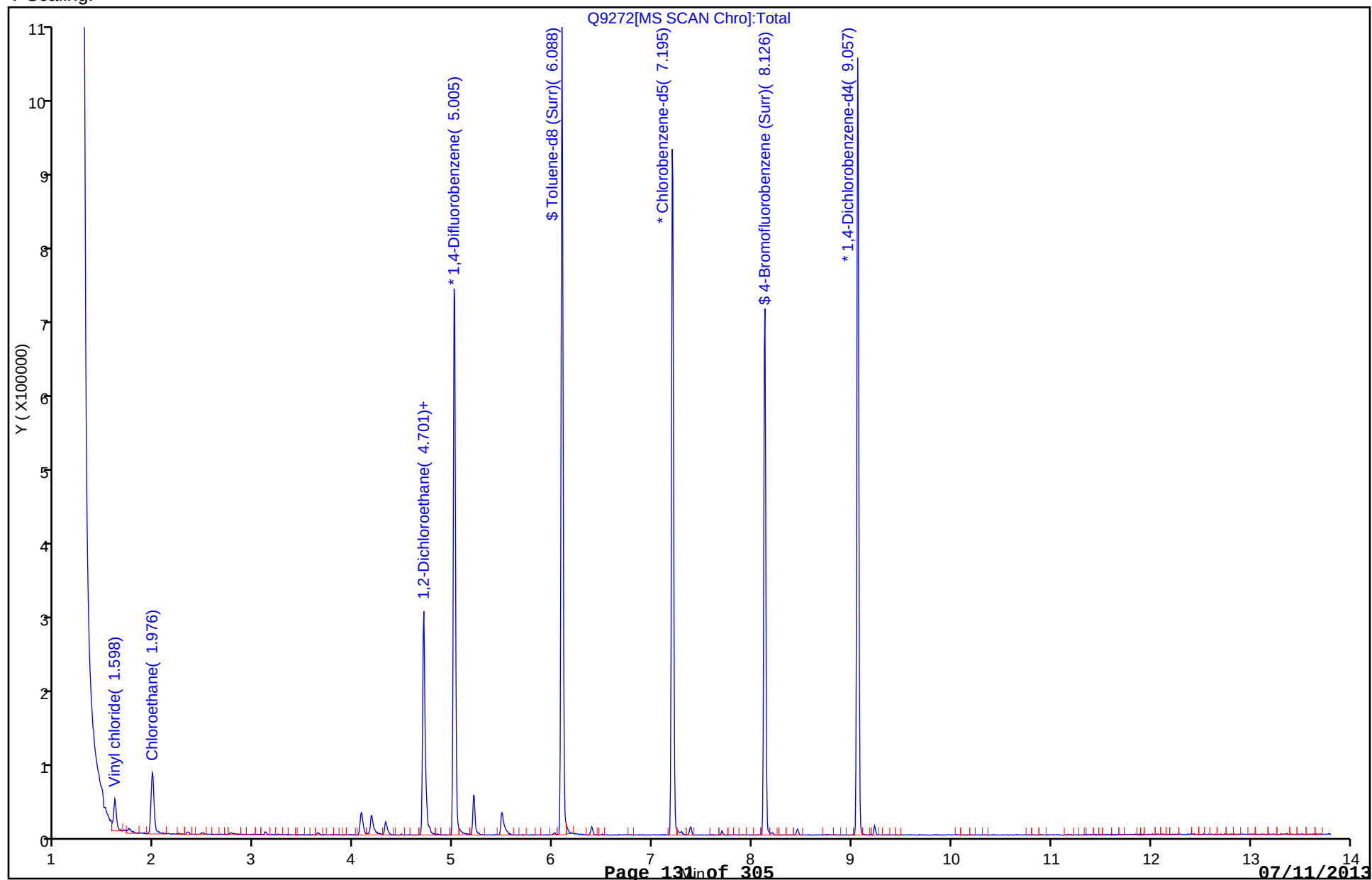
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9272.D
Injection Date: 08-Jul-2013 03:27:30 Limit Group: MV - 8260B ICAL
Client ID: MW-12 Instrument ID: HP5973Q
Lims Batch ID: 127701 Lims Sample ID: 15
Operator ID: CDC Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9272.D

Injection Date: 08-Jul-2013 03:27:30

Limit Group: MV - 8260B ICAL

Client ID: MW-12

Instrument ID: HP5973Q

Lims Batch ID: 127701

Lims Sample ID: 15

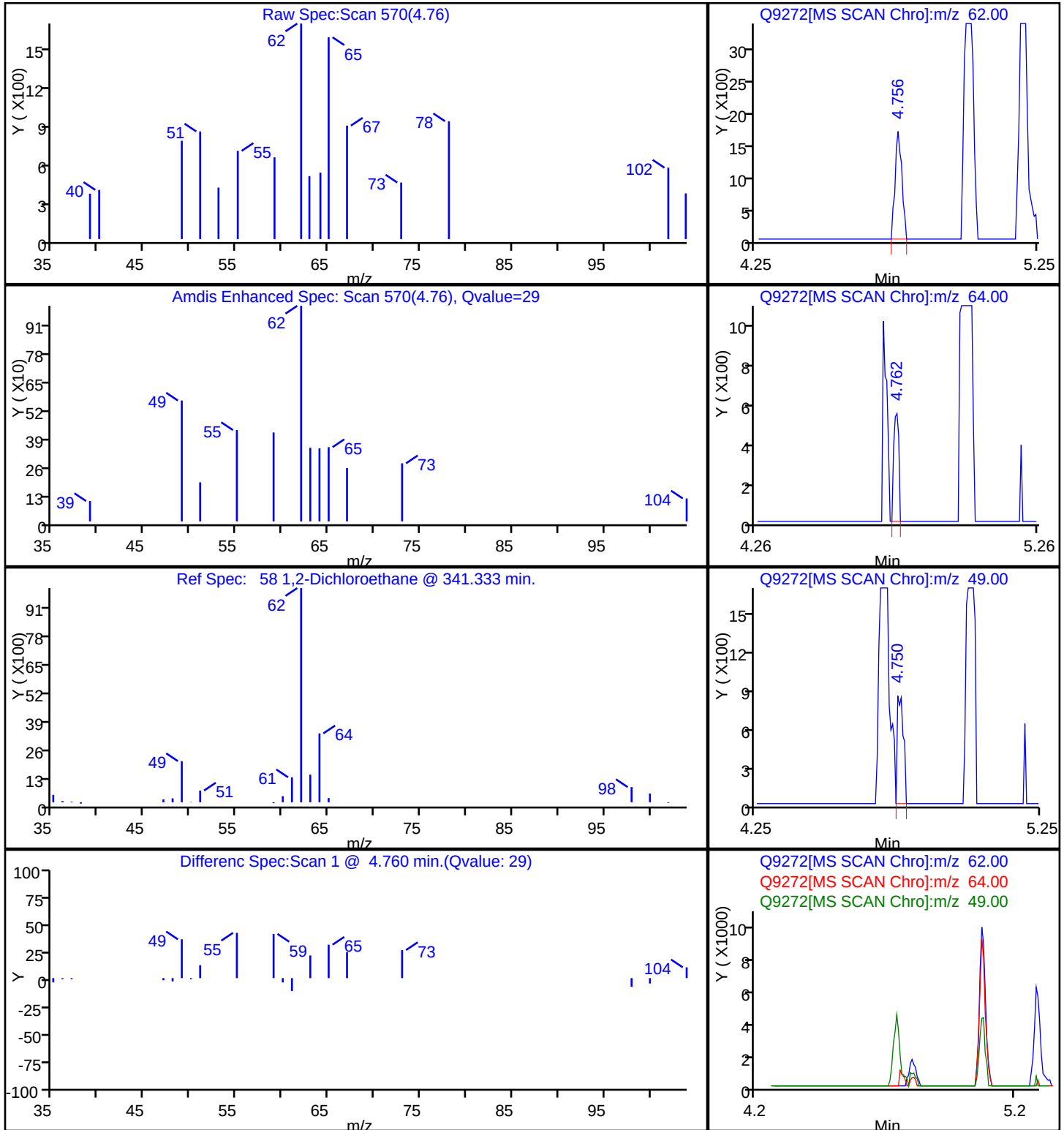
Operator ID: CDC

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

58 1,2-Dichloroethane



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9272.D

Injection Date: 08-Jul-2013 03:27:30

Limit Group: MV - 8260B ICAL

Client ID: MW-12

Instrument ID: HP5973Q

Lims Batch ID: 127701

Lims Sample ID: 15

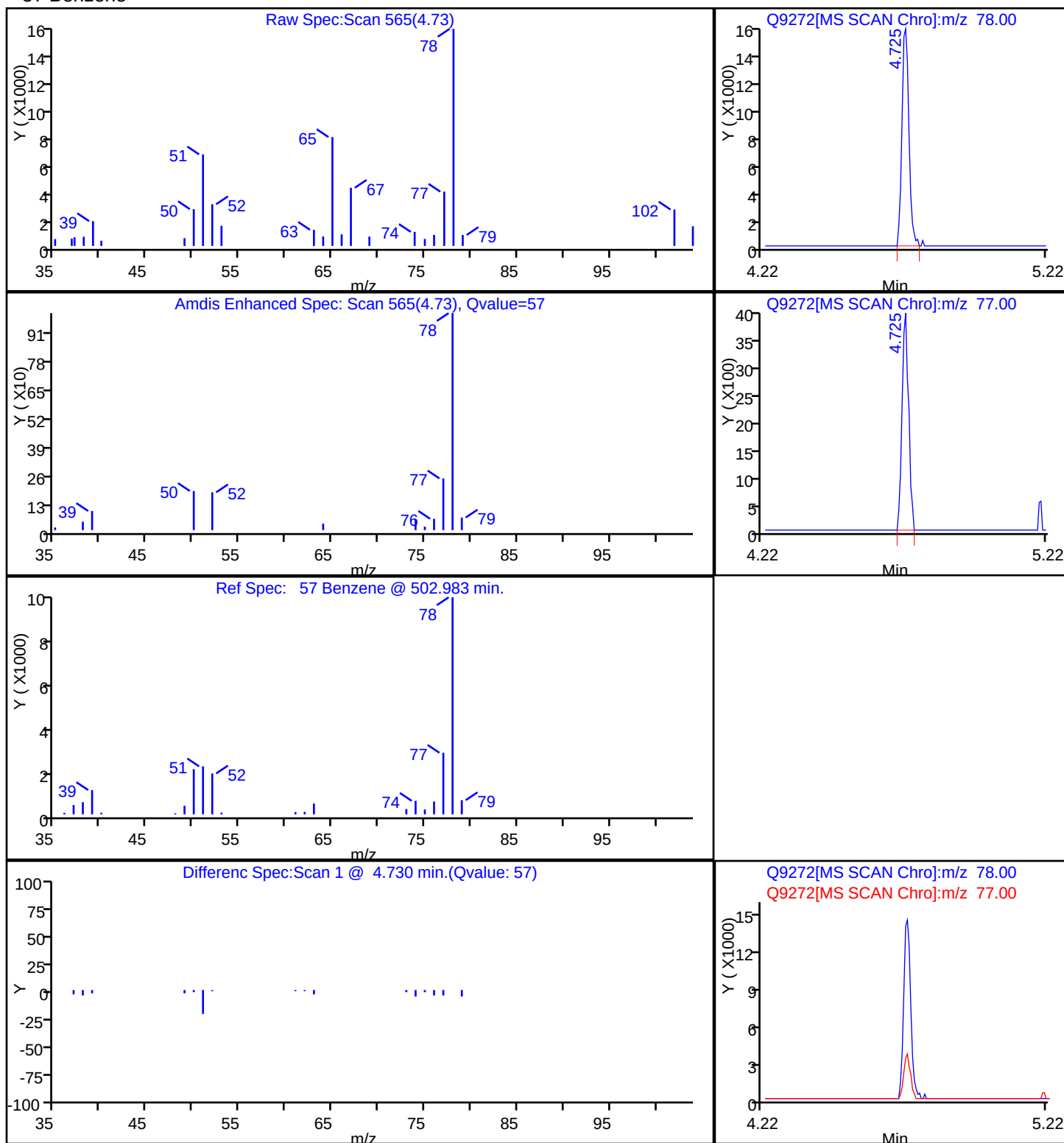
Operator ID: CDC

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

57 Benzene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9272.D

Injection Date: 08-Jul-2013 03:27:30

Limit Group: MV - 8260B ICAL

Client ID: MW-12

Instrument ID: HP5973Q

Lims Batch ID: 127701

Lims Sample ID: 15

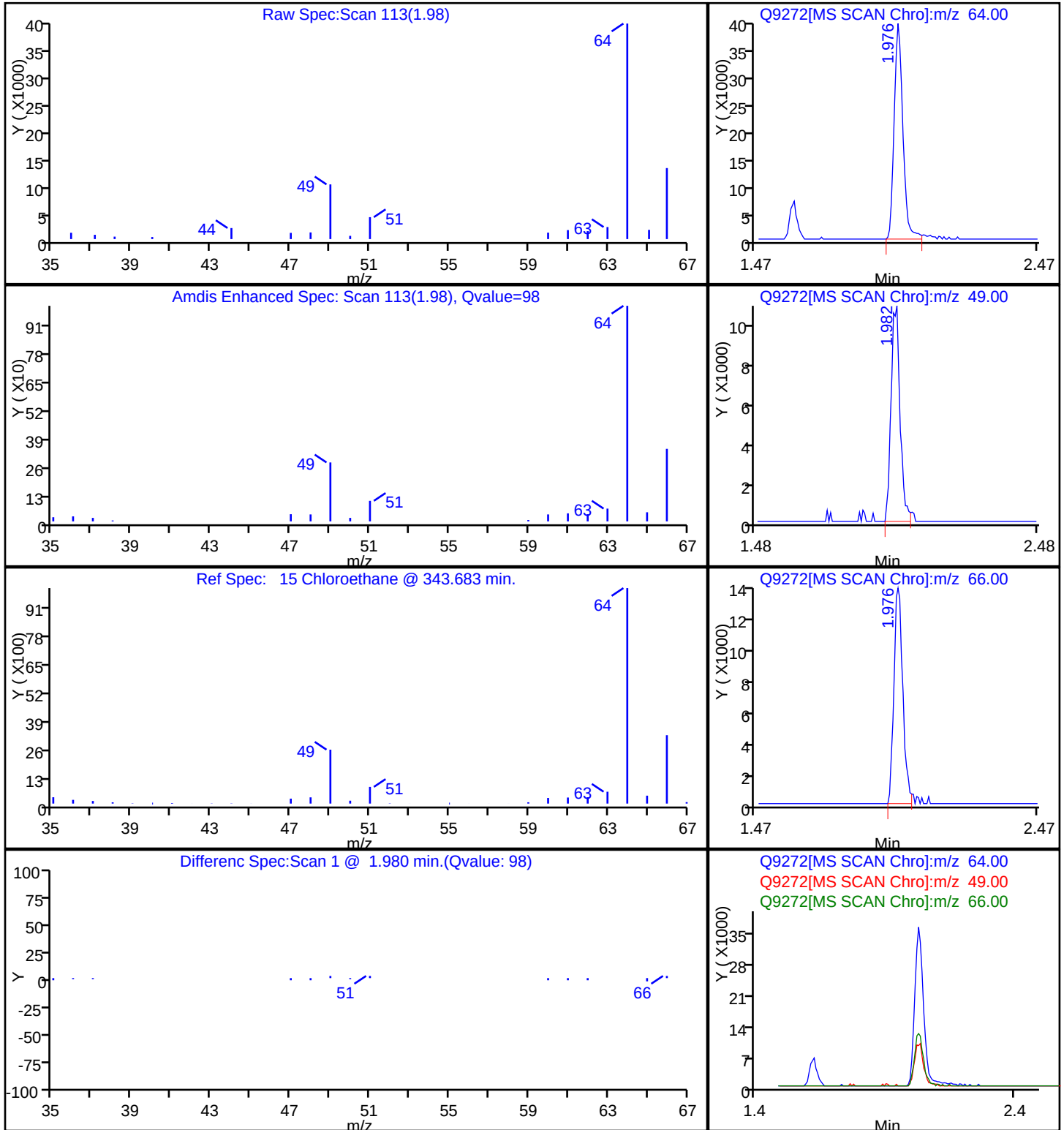
Operator ID: CDC

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9272.D

Injection Date: 08-Jul-2013 03:27:30

Limit Group: MV - 8260B ICAL

Client ID: MW-12

Instrument ID: HP5973Q

Lims Batch ID: 127701

Lims Sample ID: 15

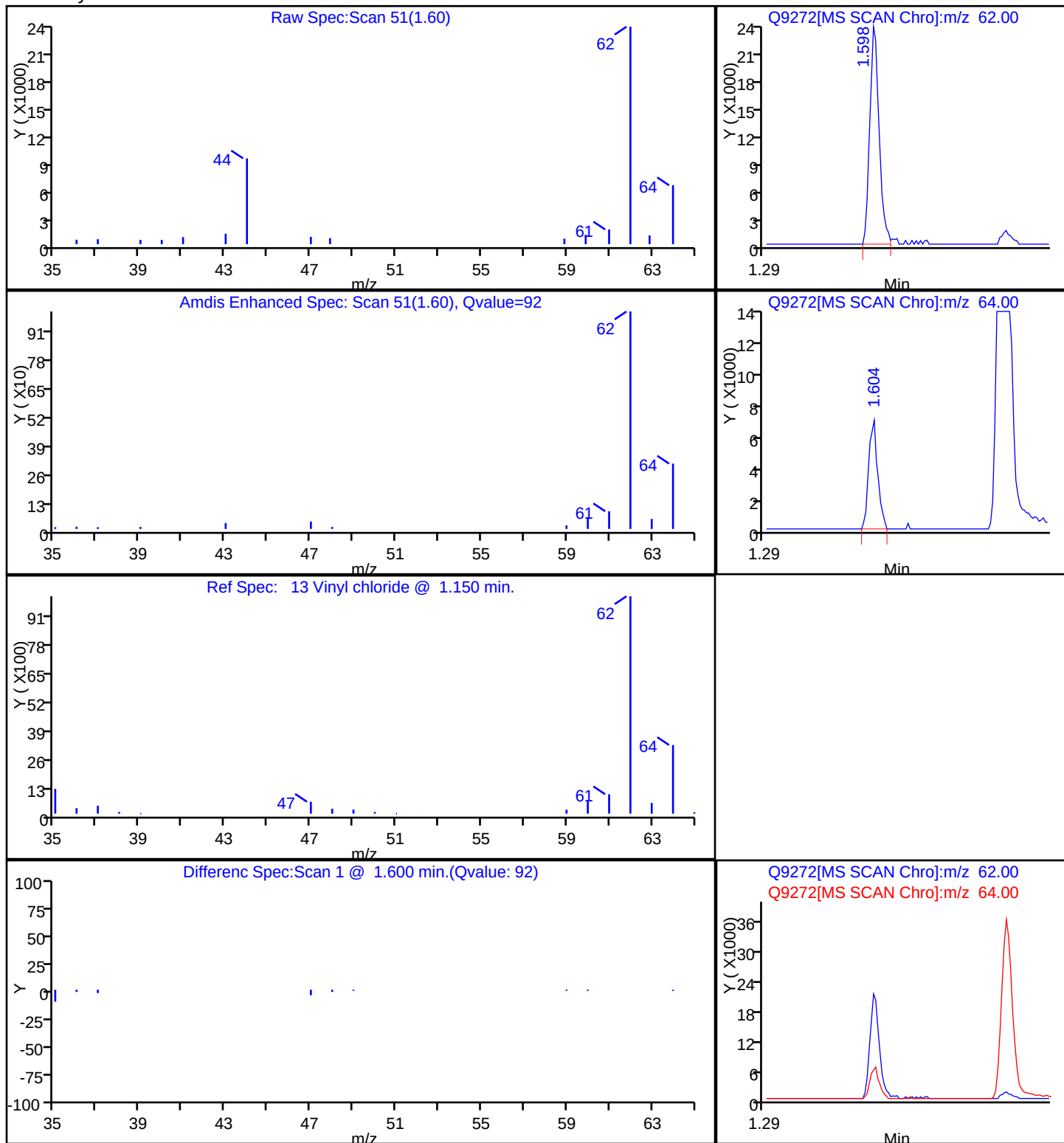
Operator ID: CDC

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

13 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: MW-16S Lab Sample ID: 480-41198-8

Matrix: Ground Water Lab File ID: Q9289.D

Analysis Method: 8260B Date Collected: 07/01/2013 15:30

Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 16:31

Soil Aliquot Vol: _____ Dilution Factor: 200

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 127825 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2600		200	160
79-34-5	1,1,2,2-Tetrachloroethane	ND		200	42
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62
79-00-5	1,1,2-Trichloroethane	ND		200	46
75-34-3	1,1-Dichloroethane	1200		200	76
75-35-4	1,1-Dichloroethene	590		200	58
120-82-1	1,2,4-Trichlorobenzene	ND		200	82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		200	78
106-93-4	1,2-Dibromoethane	ND		200	150
95-50-1	1,2-Dichlorobenzene	ND		200	160
107-06-2	1,2-Dichloroethane	ND		200	42
78-87-5	1,2-Dichloropropane	ND		200	140
541-73-1	1,3-Dichlorobenzene	ND		200	160
106-46-7	1,4-Dichlorobenzene	ND		200	170
78-93-3	2-Butanone (MEK)	ND		2000	260
591-78-6	2-Hexanone	ND		1000	250
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1000	420
67-64-1	Acetone	ND		2000	600
71-43-2	Benzene	ND		200	82
75-27-4	Bromodichloromethane	ND		200	78
75-25-2	Bromoform	ND		200	52
74-83-9	Bromomethane	ND		200	140
75-15-0	Carbon disulfide	ND		200	38
56-23-5	Carbon tetrachloride	ND		200	54
108-90-7	Chlorobenzene	ND		200	150
75-00-3	Chloroethane	1200		200	64
67-66-3	Chloroform	ND		200	68
74-87-3	Chloromethane	ND		200	70
156-59-2	cis-1,2-Dichloroethene	63000	E	200	160
10061-01-5	cis-1,3-Dichloropropene	ND		200	72
110-82-7	Cyclohexane	ND		200	36
124-48-1	Dibromochloromethane	ND		200	64
75-71-8	Dichlorodifluoromethane	ND		200	140
100-41-4	Ethylbenzene	ND		200	150
98-82-8	Isopropylbenzene	ND		200	160

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
 SDG No.: _____
 Client Sample ID: MW-16S Lab Sample ID: 480-41198-8
 Matrix: Ground Water Lab File ID: Q9289.D
 Analysis Method: 8260B Date Collected: 07/01/2013 15:30
 Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 16:31
 Soil Aliquot Vol: _____ Dilution Factor: 200
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 127825 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		200	100
1634-04-4	Methyl tert-butyl ether	ND		200	32
108-87-2	Methylcyclohexane	ND		200	32
75-09-2	Methylene Chloride	ND		200	88
100-42-5	Styrene	ND		200	150
127-18-4	Tetrachloroethene	ND		200	72
108-88-3	Toluene	ND		200	100
156-60-5	trans-1,2-Dichloroethene	250		200	180
10061-02-6	trans-1,3-Dichloropropene	ND		200	74
79-01-6	Trichloroethene	100000	E	200	92
75-69-4	Trichlorofluoromethane	ND		200	180
75-01-4	Vinyl chloride	5400		200	180
1330-20-7	Xylenes, Total	ND		400	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		66-137
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9289.D
 Lims ID: 480-41198-B-8 Client ID: MW-16
 Inject. Date: 08-Jul-2013 16:31:30 Dil. Factor: 200.0000
 Sample Type: Client
 Sample ID: 480-41198-B-8
 Misc. Info.: 480-0023280-006
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 6
 Lims Batch ID: 127825 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q-8260.m
 Last Update: 09-Jul-2013 01:02:33 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK001

First Level Reviewer: BrandtT

Date: 09-Jul-2013 08:22:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.011	5.005	0.006	93	540631	25.0	
* 2 Chlorobenzene-d5	82	7.201	7.195	0.006	82	237343	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.057	9.057	-0.001	93	250814	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.701	4.695	0.006	87	81624	25.8	
\$ 5 Toluene-d8 (Surr)	98	6.088	6.088	0.0	93	589918	25.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.126	8.126	0.0	94	189129	25.2	
10 Dichlorodifluoromethane	85		1.355					
12 Chloromethane	50		1.501					9
13 Vinyl chloride	62	1.598	1.592	0.006	84	170575	26.8	
14 Bromomethane	94		1.866					
15 Chloroethane	64	1.975	1.951	0.024	79	13710	6.15	
17 Trichlorofluoromethane	101		2.188					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.645					
22 1,1-Dichloroethene	96	2.657	2.651	0.006	90	18278	2.95	
23 Acetone	43		2.742					
26 Carbon disulfide	76		2.827					
27 Methyl acetate	43		3.004					
30 Methylene Chloride	84		3.083					
32 Methyl tert-butyl ether	73		3.290					
34 trans-1,2-Dichloroethene	96	3.302	3.296	0.006	85	8584	1.23	
39 1,1-Dichloroethane	63	3.636	3.636	0.0	92	78063	5.94	
45 cis-1,2-Dichloroethene	96	4.086	4.086	0.0	68	2492276	312.7	E
43 2-Butanone (MEK)	43		4.099					9
50 Chloroform	83		4.330					9
51 1,1,1-Trichloroethane	97	4.445	4.445	0.0	91	118790	12.9	
52 Cyclohexane	56		4.470					
55 Carbon tetrachloride	117		4.561					
57 Benzene	78		4.719					9
58 1,2-Dichloroethane	62		4.756					
62 Trichloroethene	95	5.200	5.194	0.006	87	3661800	511.4	E

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
64 Methylcyclohexane	83		5.315					9
65 1,2-Dichloropropane	63		5.370					9
68 Dichlorobromomethane	83		5.583					
72 cis-1,3-Dichloropropene	75		5.905					
73 4-Methyl-2-pentanone (MIBK)	43		6.003					9
74 Toluene	92		6.137					
77 trans-1,3-Dichloropropene	75		6.325					
79 1,1,2-Trichloroethane	83		6.465					
81 Tetrachloroethene	166		6.550					9
80 2-Hexanone	43		6.629					
83 Chlorodibromomethane	129		6.769					
84 Ethylene Dibromide	107		6.854					
87 Chlorobenzene	112		7.219					9
88 Ethylbenzene	91		7.286					9
90 m-Xylene & p-Xylene	106		7.378					9
91 o-Xylene	106		7.694					
92 Styrene	104		7.712					
95 Bromoform	173		7.889					
94 Isopropylbenzene	105		7.980					
97 1,1,2,2-Tetrachloroethane	83		8.254					
111 1,3-Dichlorobenzene	146		9.008					
113 1,4-Dichlorobenzene	146		9.081					
116 1,2-Dichlorobenzene	146		9.391					9
117 1,2-Dibromo-3-Chloropropane	75		10.042					
119 1,2,4-Trichlorobenzene	180		10.711					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9289.D
Injection Date: 08-Jul-2013 16:31:30 Limit Group: MV - 8260B ICAL
Client ID: MW-16 Instrument ID: HP5973Q
Lims Batch ID: 127825 Lims Sample ID: 6
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9289.D

Injection Date: 08-Jul-2013 16:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 6

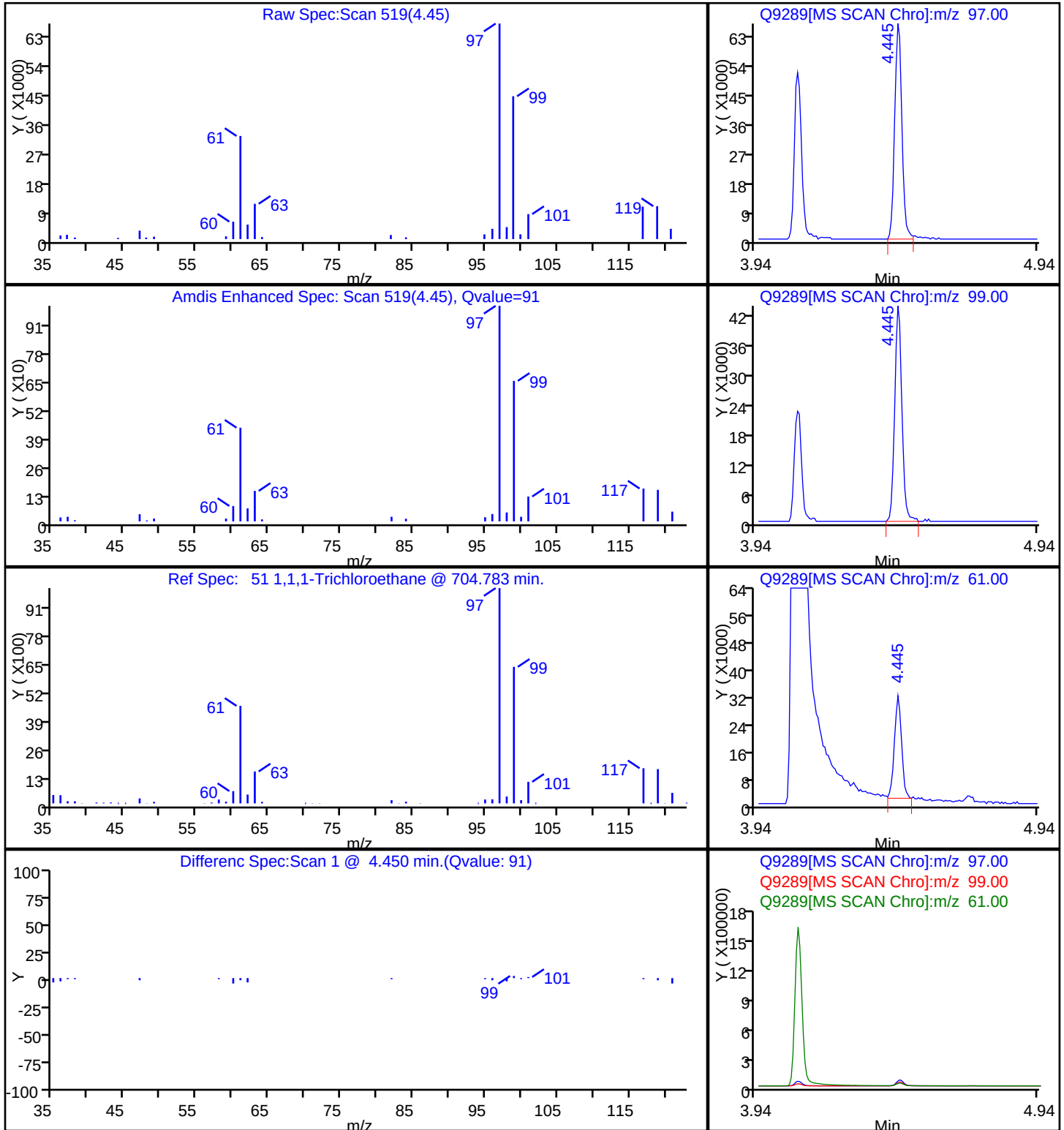
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

51 1,1,1-Trichloroethane



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9289.D

Injection Date: 08-Jul-2013 16:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 6

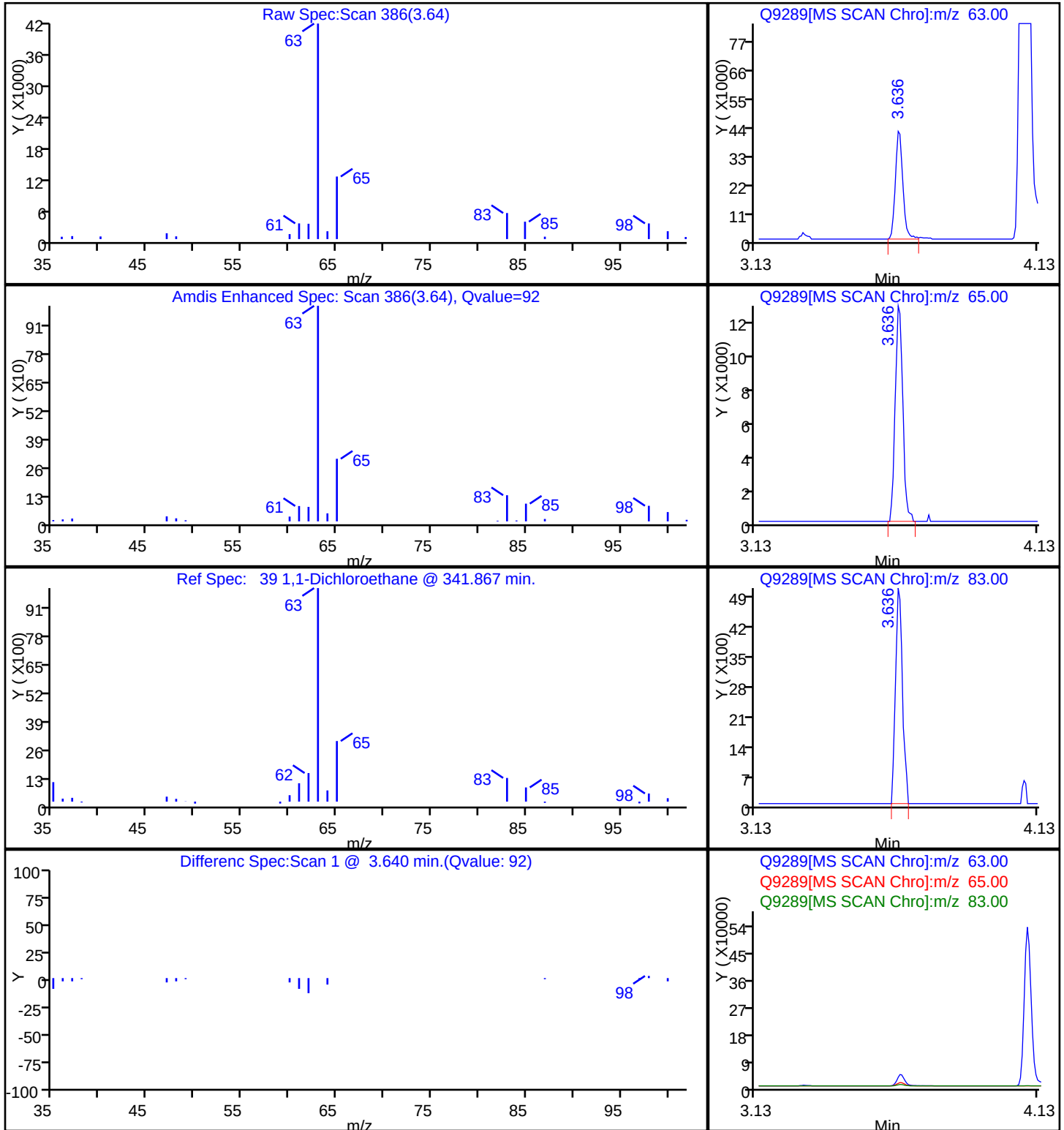
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9289.D

Injection Date: 08-Jul-2013 16:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 6

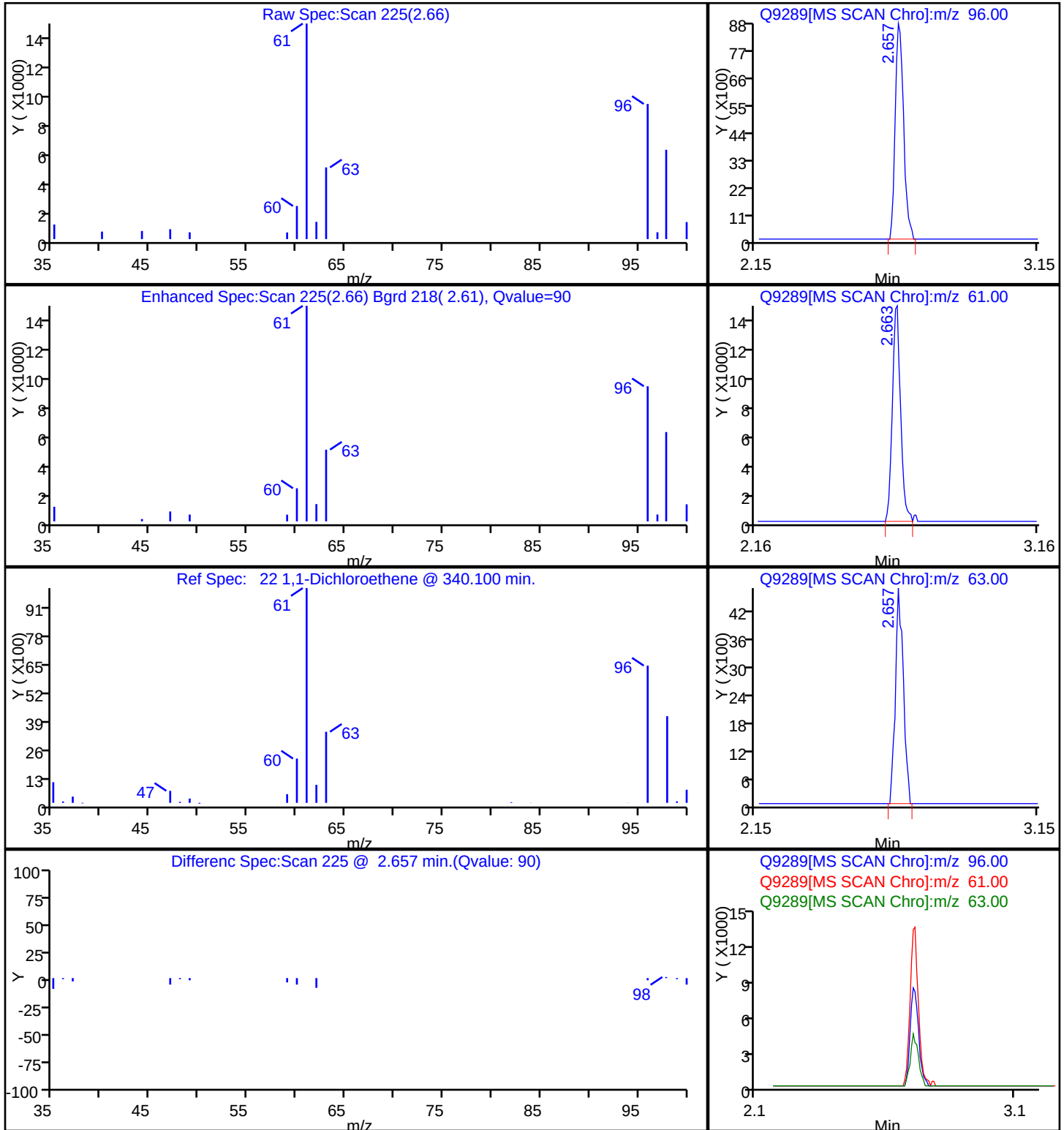
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

22 1,1-Dichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9289.D

Injection Date: 08-Jul-2013 16:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 6

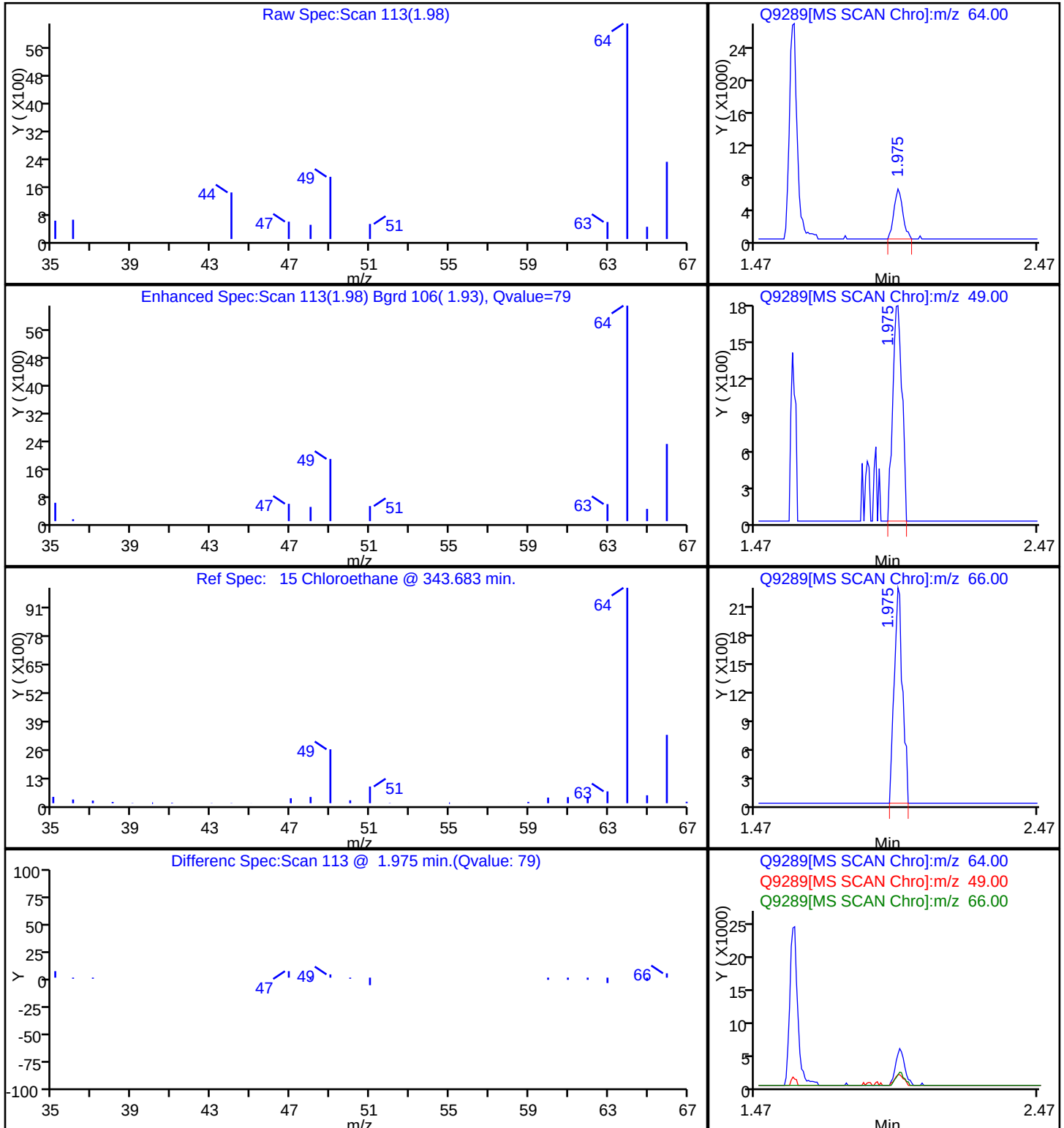
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9289.D

Injection Date: 08-Jul-2013 16:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 6

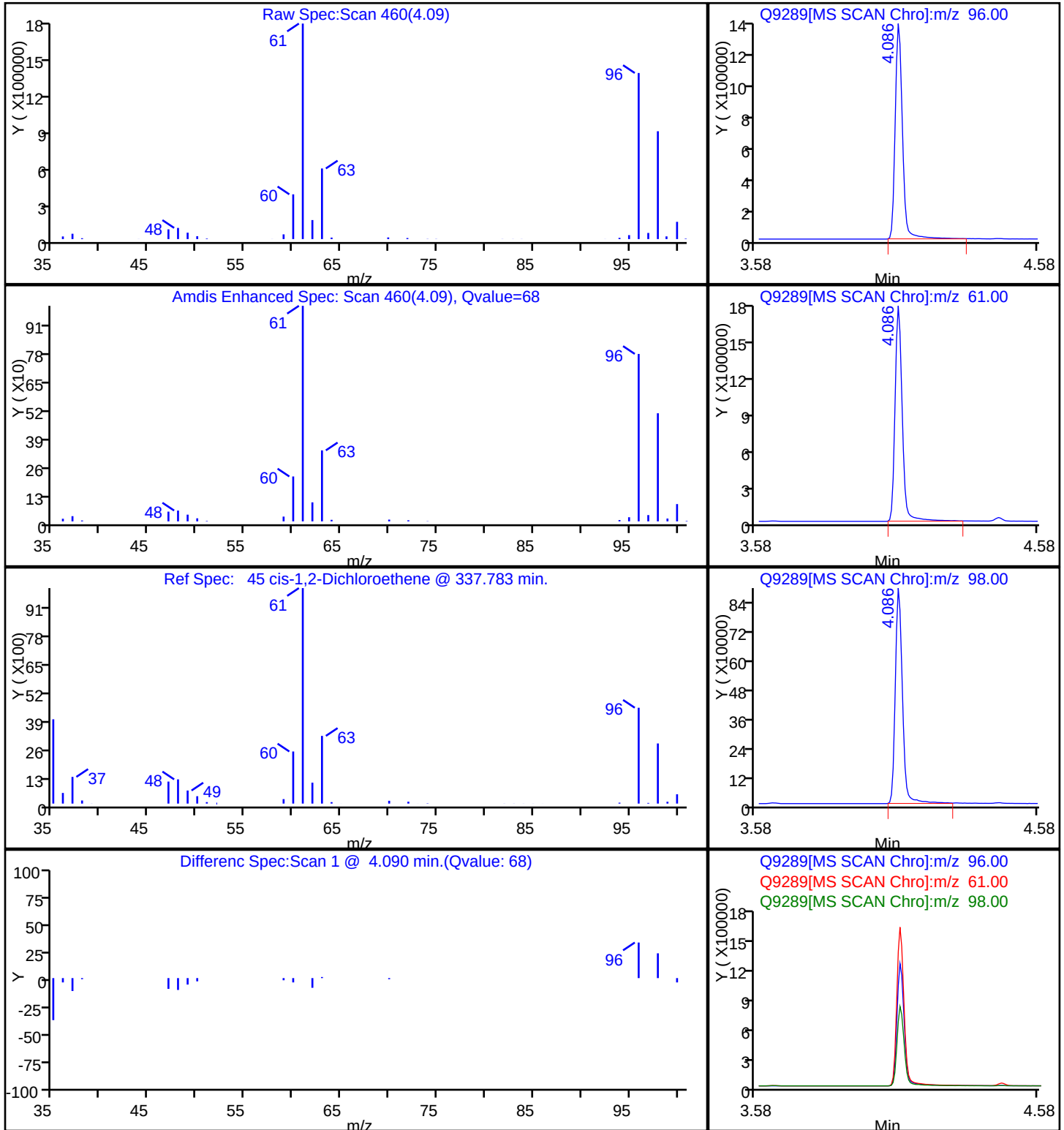
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9289.D

Injection Date: 08-Jul-2013 16:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 6

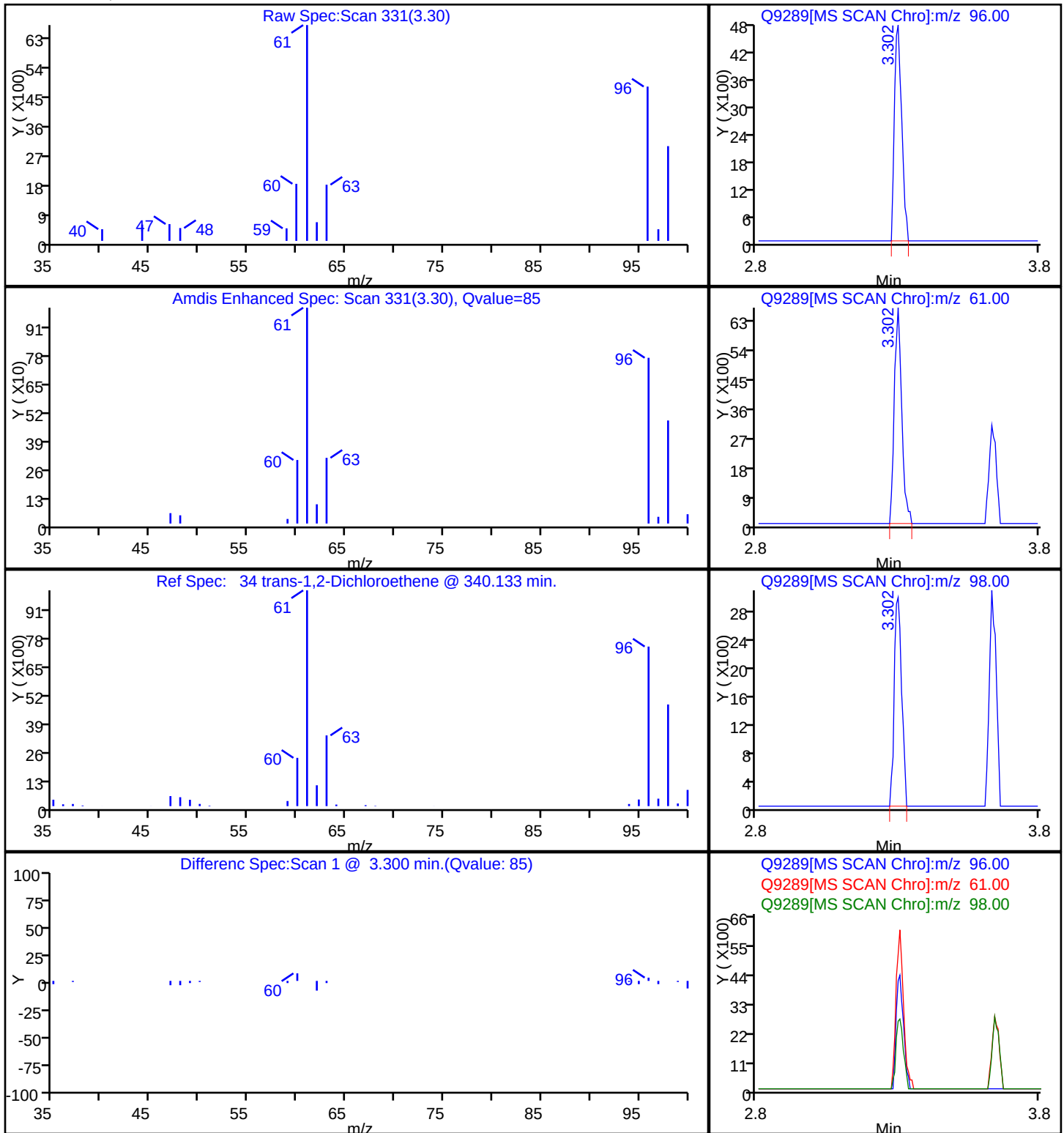
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

34 trans-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9289.D

Injection Date: 08-Jul-2013 16:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 6

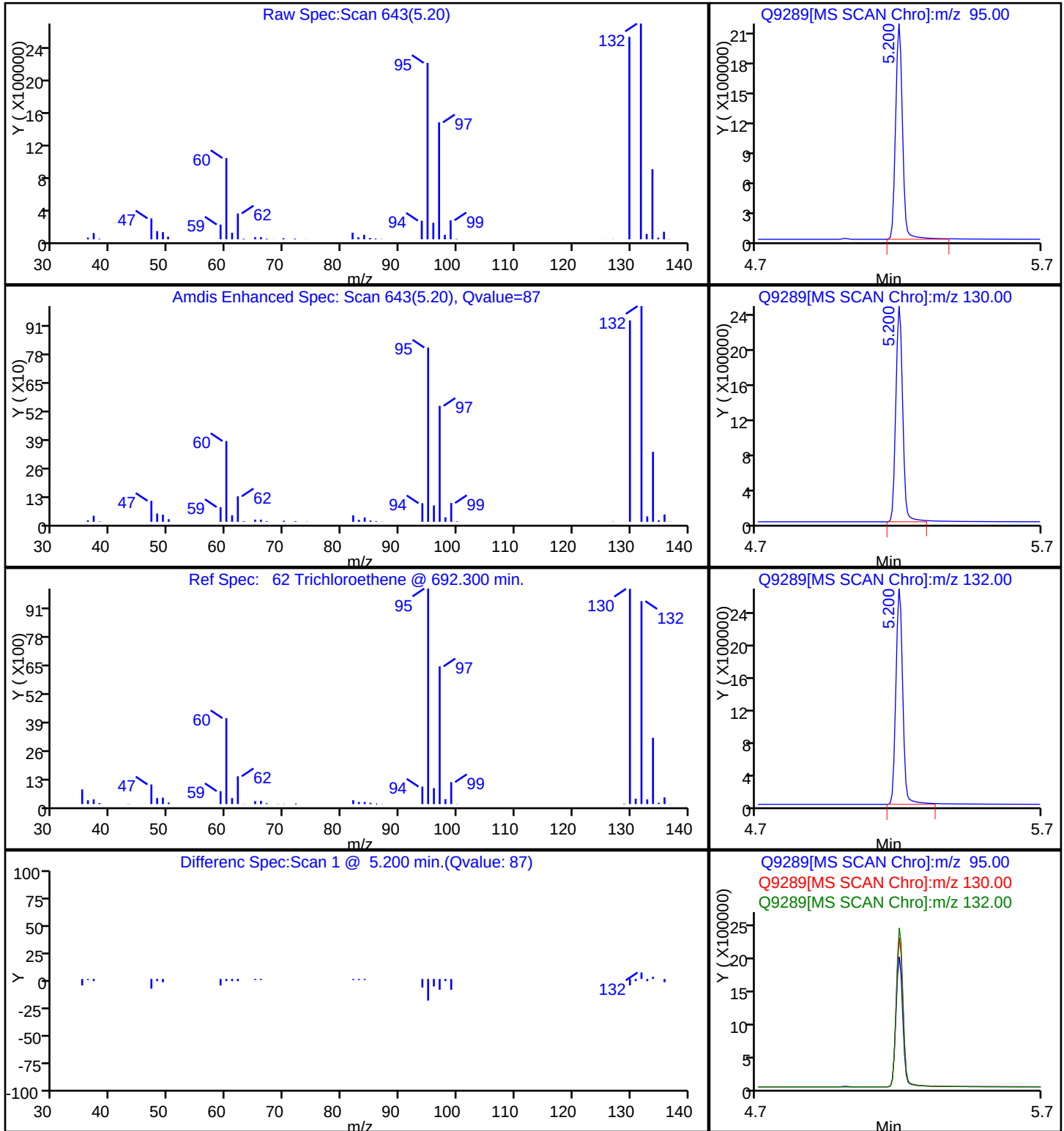
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9289.D

Injection Date: 08-Jul-2013 16:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 6

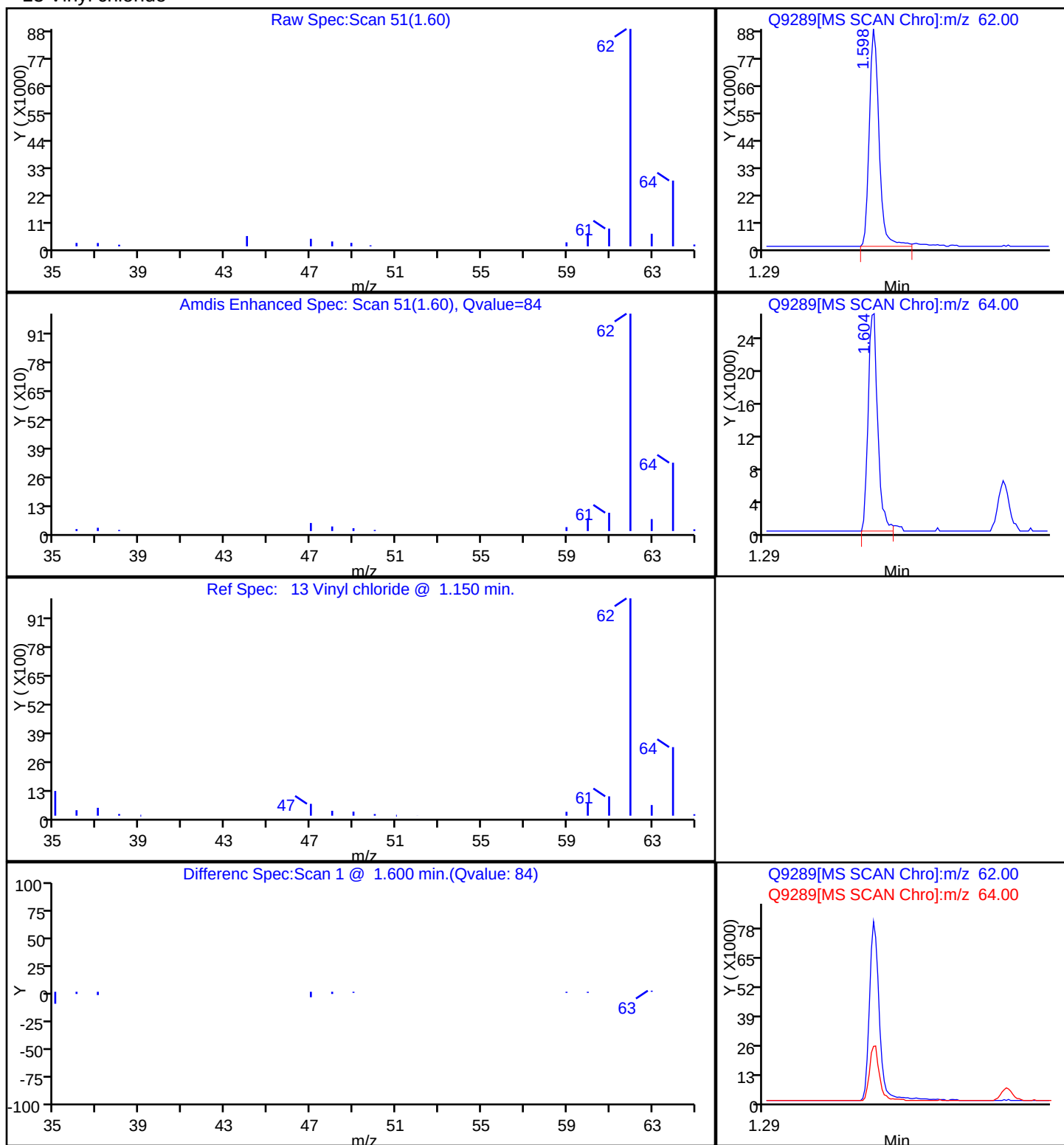
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

13 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: MW-16S DL Lab Sample ID: 480-41198-8 DL

Matrix: Ground Water Lab File ID: Q9315.D

Analysis Method: 8260B Date Collected: 07/01/2013 15:30

Sample wt/vol: 1(uL) Date Analyzed: 07/09/2013 11:04

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.: 127928 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2300		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	1100	J	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	65000		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.: 480-41198-1
 SDG No.: _____
 Client Sample ID: MW-16S DL Lab Sample ID: 480-41198-8 DL
 Matrix: Ground Water Lab File ID: Q9315.D
 Analysis Method: 8260B Date Collected: 07/01/2013 15:30
 Sample wt/vol: 1(uL) Date Analyzed: 07/09/2013 11:04
 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.: 127928 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	120000		2000	920
75-69-4	Trichlorofluoromethane	ND		2000	1800
75-01-4	Vinyl chloride	5100		2000	1800
1330-20-7	Xylenes, Total	ND		4000	1300

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		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\HP5973Q\20130709-23298.b\Q9315.D
 Lims ID: 480-41198-B-8 Client ID: MW-16
 Inject. Date: 09-Jul-2013 11:04:30 Dil. Factor: 2000.0000
 Sample Type: Client
 Sample ID: 480-41198-B-8
 Misc. Info.: 480-0023298-006
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 6
 Lims Batch ID: 127928 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q-8260.m
 Last Update: 09-Jul-2013 17:12:28 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK027

First Level Reviewer: cwiklinc

Date: 09-Jul-2013 21:11:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.008	5.008	0.0	94	512104	25.0	
* 2 Chlorobenzene-d5	82	7.198	7.198	0.0	84	230049	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.059	9.059	0.0	93	244754	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.697	4.697	0.0	87	79245	26.4	
\$ 5 Toluene-d8 (Surr)	98	6.090	6.090	0.0	93	569879	25.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.122	8.122	0.0	94	180713	24.8	
10 Dichlorodifluoromethane	85		1.357					
12 Chloromethane	50		1.503					
13 Vinyl chloride	62	1.601	1.595	0.006	68	15489	2.57	
14 Bromomethane	94		1.868					
15 Chloroethane	64		1.954					9
17 Trichlorofluoromethane	101		2.191					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.647					
22 1,1-Dichloroethene	96		2.653					
23 Acetone	43		2.738					
26 Carbon disulfide	76		2.830					
27 Methyl acetate	43		3.006					
30 Methylene Chloride	84		3.085					
32 Methyl tert-butyl ether	73		3.286					
34 trans-1,2-Dichloroethene	96		3.292					9
39 1,1-Dichloroethane	63	3.639	3.633	0.006	3	6726	0.5403	
45 cis-1,2-Dichloroethene	96	4.089	4.083	0.006	69	247248	32.7	
43 2-Butanone (MEK)	43		4.101					
50 Chloroform	83		4.332					9
51 1,1,1-Trichloroethane	97	4.448	4.442	0.006	64	9829	1.13	
52 Cyclohexane	56		4.466					
55 Carbon tetrachloride	117		4.563					9
57 Benzene	78		4.722					
58 1,2-Dichloroethane	62		4.752					
62 Trichloroethene	95	5.196	5.196	0.0	94	408480	60.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
64 Methylcyclohexane	83		5.312					
65 1,2-Dichloropropane	63		5.366					9
68 Dichlorobromomethane	83		5.585					
72 cis-1,3-Dichloropropene	75		5.902					
73 4-Methyl-2-pentanone (MIBK)	43		6.005					9
74 Toluene	92		6.139					9
77 trans-1,3-Dichloropropene	75		6.322					
79 1,1,2-Trichloroethane	83		6.468					
81 Tetrachloroethene	166		6.553					9
80 2-Hexanone	43		6.632					
83 Chlorodibromomethane	129		6.772					
84 Ethylene Dibromide	107		6.857					
87 Chlorobenzene	112		7.222					9
88 Ethylbenzene	91		7.289					9
90 m-Xylene & p-Xylene	106		7.380					9
91 o-Xylene	106		7.696					
92 Styrene	104		7.709					
95 Bromoform	173		7.891					
94 Isopropylbenzene	105		7.976					
97 1,1,2,2-Tetrachloroethane	83		8.256					
111 1,3-Dichlorobenzene	146		9.004					
113 1,4-Dichlorobenzene	146		9.077					
116 1,2-Dichlorobenzene	146		9.388					9
117 1,2-Dibromo-3-Chloropropane	75		10.039					
119 1,2,4-Trichlorobenzene	180		10.708					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

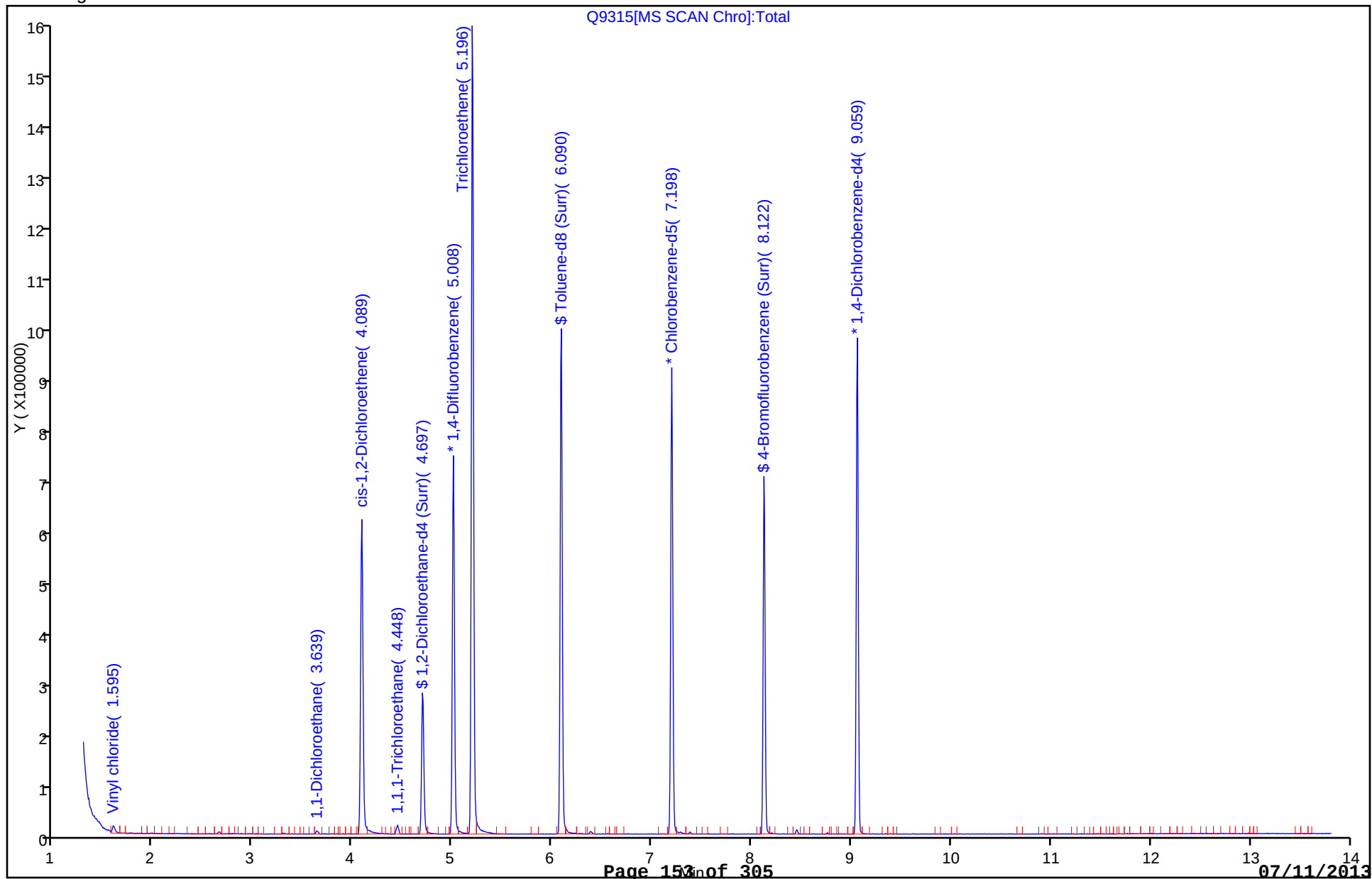
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9315.D
Injection Date: 09-Jul-2013 11:04:30 Limit Group: MV - 8260B ICAL
Client ID: MW-16 Instrument ID: HP5973Q
Lims Batch ID: 127928 Lims Sample ID: 6
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9315.D

Injection Date: 09-Jul-2013 11:04:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16

Instrument ID: HP5973Q

Lims Batch ID: 127928

Lims Sample ID: 6

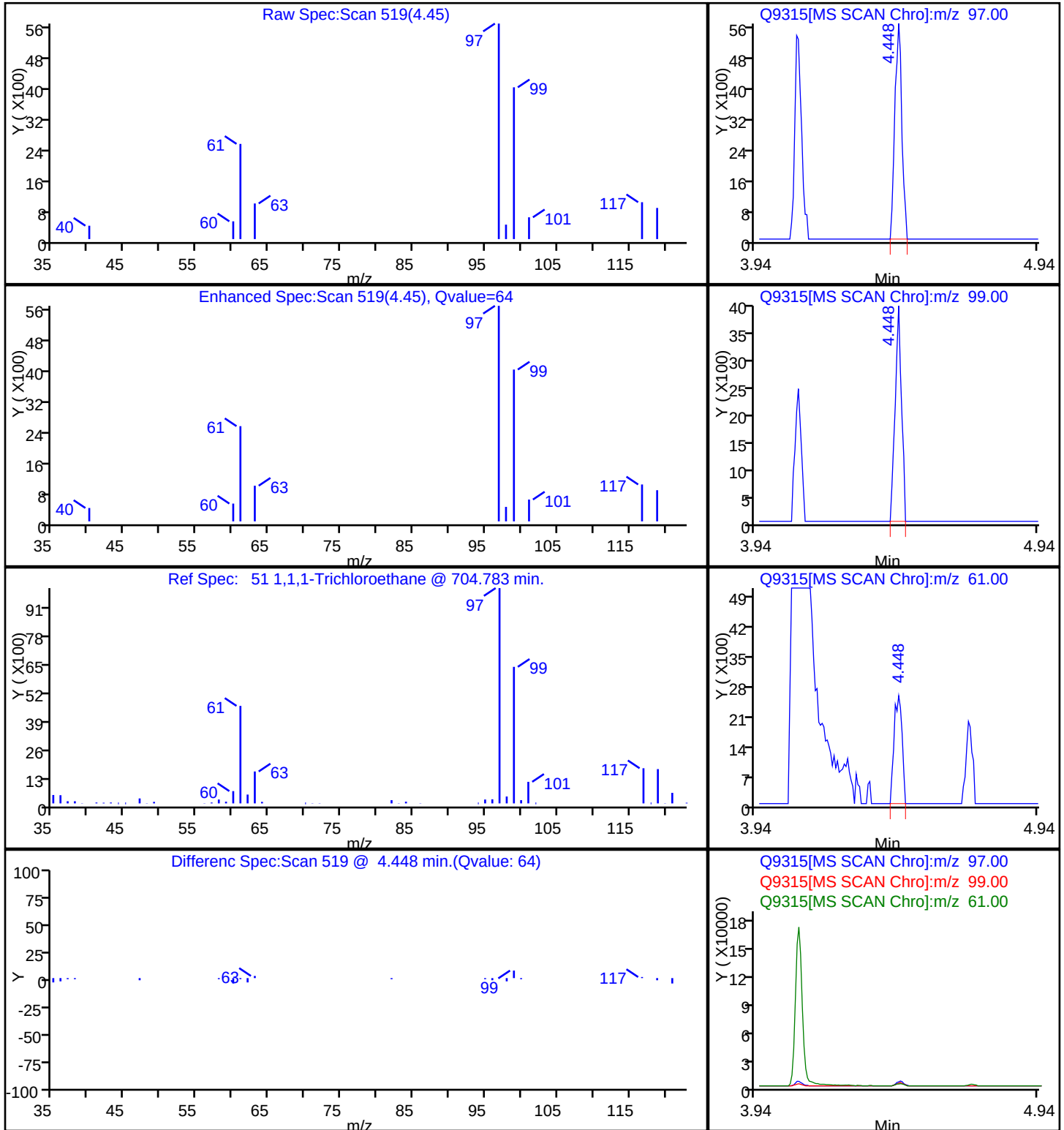
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

51 1,1,1-Trichloroethane



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9315.D

Injection Date: 09-Jul-2013 11:04:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16

Instrument ID: HP5973Q

Lims Batch ID: 127928

Lims Sample ID: 6

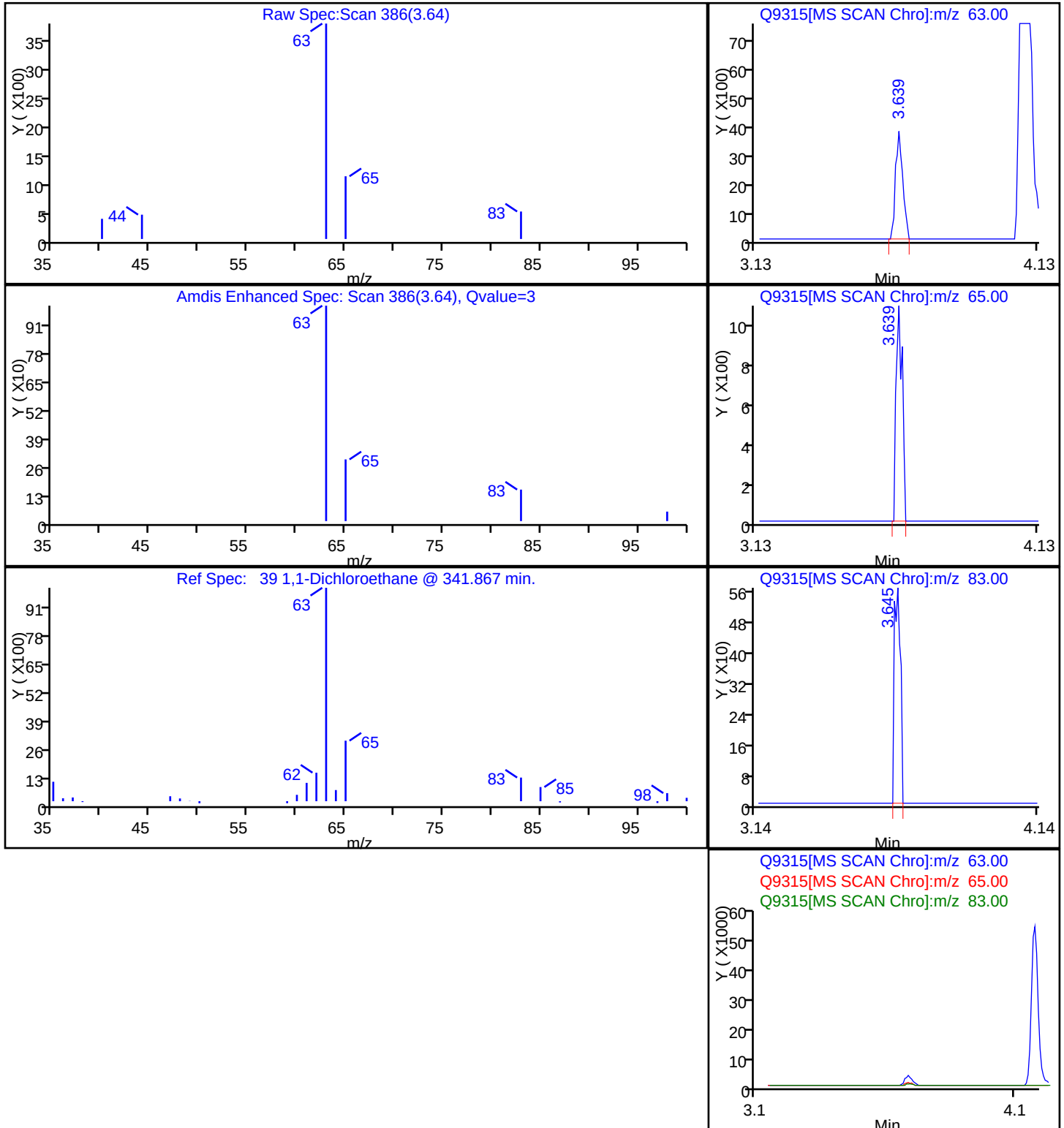
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9315.D

Injection Date: 09-Jul-2013 11:04:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16

Instrument ID: HP5973Q

Lims Batch ID: 127928

Lims Sample ID: 6

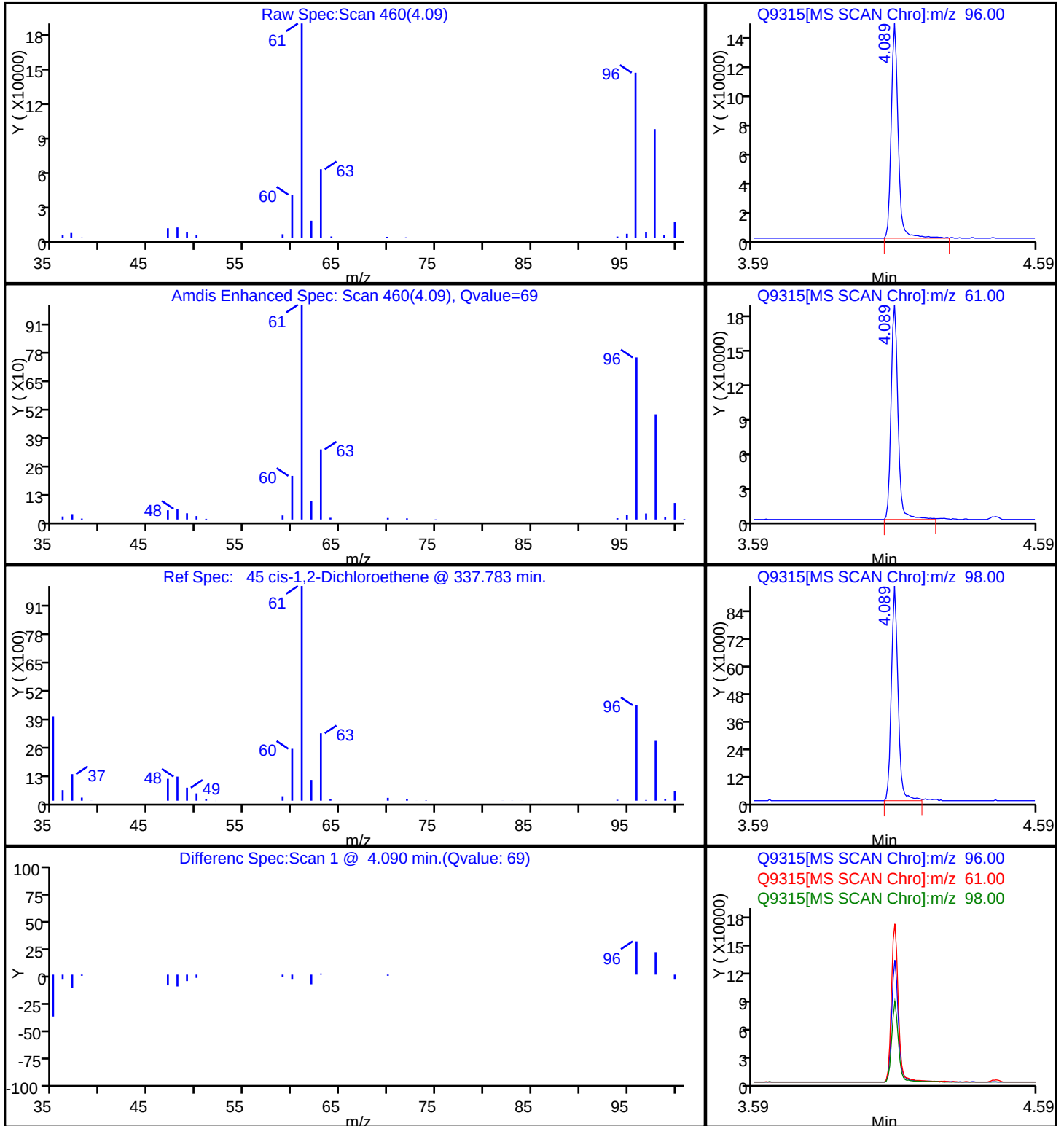
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9315.D

Injection Date: 09-Jul-2013 11:04:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16

Instrument ID: HP5973Q

Lims Batch ID: 127928

Lims Sample ID: 6

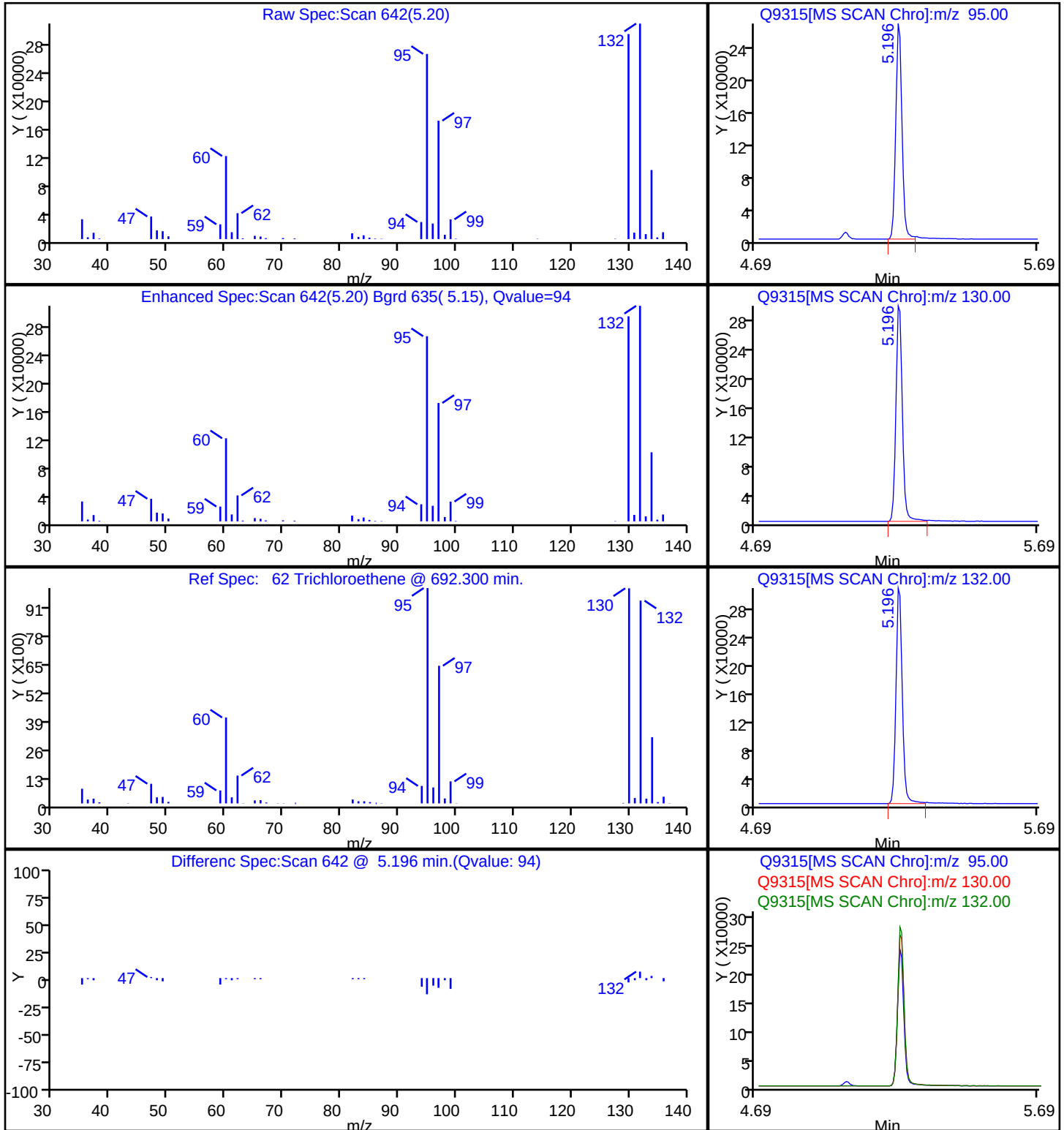
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9315.D

Injection Date: 09-Jul-2013 11:04:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16

Instrument ID: HP5973Q

Lims Batch ID: 127928

Lims Sample ID: 6

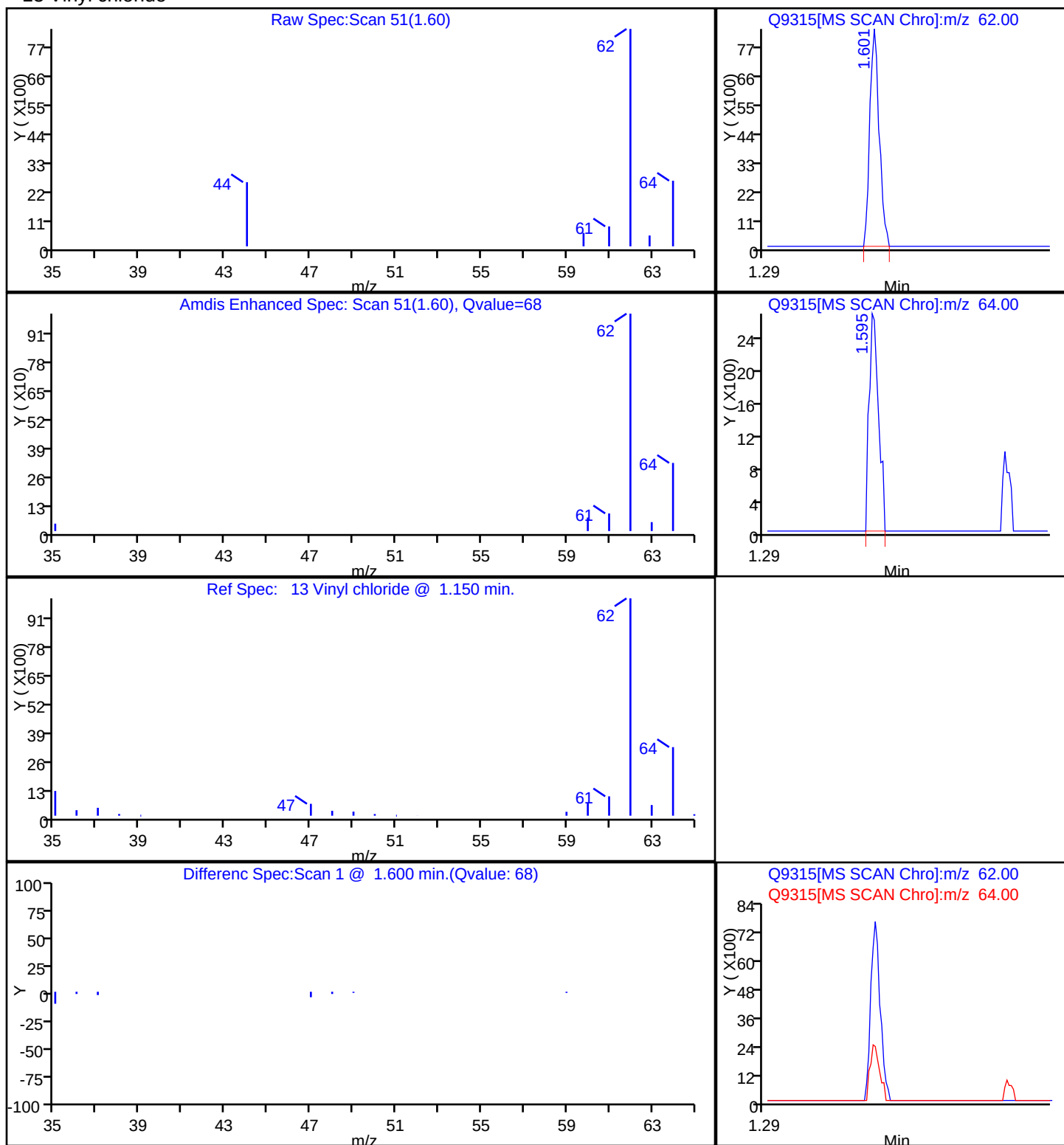
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

13 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: Duplicate Lab Sample ID: 480-41198-9

Matrix: Water Lab File ID: Q9290.D

Analysis Method: 8260B Date Collected: 07/01/2013 13:45

Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 16:59

Soil Aliquot Vol: _____ Dilution Factor: 100

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 127825 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	82
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31
79-00-5	1,1,2-Trichloroethane	ND		100	23
75-34-3	1,1-Dichloroethane	690		100	38
75-35-4	1,1-Dichloroethene	160		100	29
120-82-1	1,2,4-Trichlorobenzene	ND		100	41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	39
106-93-4	1,2-Dibromoethane	ND		100	73
95-50-1	1,2-Dichlorobenzene	ND		100	79
107-06-2	1,2-Dichloroethane	ND		100	21
78-87-5	1,2-Dichloropropane	ND		100	72
541-73-1	1,3-Dichlorobenzene	ND		100	78
106-46-7	1,4-Dichlorobenzene	ND		100	84
78-93-3	2-Butanone (MEK)	ND		1000	130
591-78-6	2-Hexanone	ND		500	120
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	210
67-64-1	Acetone	ND		1000	300
71-43-2	Benzene	ND		100	41
75-27-4	Bromodichloromethane	ND		100	39
75-25-2	Bromoform	ND		100	26
74-83-9	Bromomethane	ND		100	69
75-15-0	Carbon disulfide	ND		100	19
56-23-5	Carbon tetrachloride	ND		100	27
108-90-7	Chlorobenzene	ND		100	75
75-00-3	Chloroethane	ND		100	32
67-66-3	Chloroform	ND		100	34
74-87-3	Chloromethane	ND		100	35
156-59-2	cis-1,2-Dichloroethene	51000	E	100	81
10061-01-5	cis-1,3-Dichloropropene	ND		100	36
110-82-7	Cyclohexane	ND		100	18
124-48-1	Dibromochloromethane	ND		100	32
75-71-8	Dichlorodifluoromethane	ND		100	68
100-41-4	Ethylbenzene	ND		100	74
98-82-8	Isopropylbenzene	ND		100	79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
 SDG No.: _____
 Client Sample ID: Duplicate Lab Sample ID: 480-41198-9
 Matrix: Water Lab File ID: Q9290.D
 Analysis Method: 8260B Date Collected: 07/01/2013 13:45
 Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 16:59
 Soil Aliquot Vol: _____ Dilution Factor: 100
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 127825 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		100	50
1634-04-4	Methyl tert-butyl ether	ND		100	16
108-87-2	Methylcyclohexane	ND		100	16
75-09-2	Methylene Chloride	ND		100	44
100-42-5	Styrene	ND		100	73
127-18-4	Tetrachloroethene	ND		100	36
108-88-3	Toluene	ND		100	51
156-60-5	trans-1,2-Dichloroethene	120		100	90
10061-02-6	trans-1,3-Dichloropropene	ND		100	37
79-01-6	Trichloroethene	15000	E	100	46
75-69-4	Trichlorofluoromethane	ND		100	88
75-01-4	Vinyl chloride	250		100	90
1330-20-7	Xylenes, Total	ND		200	66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		66-137
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	103		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9290.D
 Lims ID: 480-41198-A-9 Client ID: Duplicate
 Inject. Date: 08-Jul-2013 16:59:30 Dil. Factor: 100.0000
 Sample Type: Client
 Sample ID: 480-41198-A-9
 Misc. Info.: 480-0023280-007
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 7
 Lims Batch ID: 127825 Lims Sample ID: 7
 Detector: MS SCAN

Method: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q-8260.m
 Last Update: 09-Jul-2013 01:02:33 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK001

First Level Reviewer: BrandtT

Date: 09-Jul-2013 08:23:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.007	5.005	0.002	93	518319	25.0	
* 2 Chlorobenzene-d5	82	7.197	7.195	0.002	84	232733	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.059	9.057	0.002	93	250929	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.703	4.695	0.008	94	80796	26.6	
\$ 5 Toluene-d8 (Surr)	98	6.090	6.088	0.002	93	586808	25.8	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.128	8.126	0.002	96	185667	25.2	
10 Dichlorodifluoromethane	85		1.355					
12 Chloromethane	50		1.501					
13 Vinyl chloride	62	1.600	1.592	0.008	56	15475	2.54	
14 Bromomethane	94		1.866					
15 Chloroethane	64		1.951					
17 Trichlorofluoromethane	101		2.188					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.645					
22 1,1-Dichloroethene	96	2.659	2.651	0.008	81	9338	1.57	
23 Acetone	43		2.742					
26 Carbon disulfide	76		2.827					
27 Methyl acetate	43		3.004					
30 Methylene Chloride	84		3.083					9
32 Methyl tert-butyl ether	73		3.290					
34 trans-1,2-Dichloroethene	96	3.298	3.296	0.002	77	7787	1.16	
39 1,1-Dichloroethane	63	3.638	3.636	0.002	93	86665	6.88	
45 cis-1,2-Dichloroethene	96	4.088	4.086	0.002	69	3932399	514.6	E
43 2-Butanone (MEK)	43		4.099					
50 Chloroform	83		4.330					9
51 1,1,1-Trichloroethane	97		4.445					2
52 Cyclohexane	56		4.470					
55 Carbon tetrachloride	117		4.561					9
57 Benzene	78		4.719					9
58 1,2-Dichloroethane	62		4.756					9
62 Trichloroethene	95	5.196	5.194	0.002	89	1029768	150.0	E

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
64 Methylcyclohexane	83		5.315					9
65 1,2-Dichloropropane	63		5.370					9
68 Dichlorobromomethane	83		5.583					
72 cis-1,3-Dichloropropene	75		5.905					
73 4-Methyl-2-pentanone (MIBK)	43		6.003					9
74 Toluene	92		6.137					
77 trans-1,3-Dichloropropene	75		6.325					
79 1,1,2-Trichloroethane	83		6.465					9
81 Tetrachloroethene	166		6.550					
80 2-Hexanone	43		6.629					9
83 Chlorodibromomethane	129		6.769					
84 Ethylene Dibromide	107		6.854					
87 Chlorobenzene	112		7.219					
88 Ethylbenzene	91		7.286					9
90 m-Xylene & p-Xylene	106		7.378					
91 o-Xylene	106		7.694					
92 Styrene	104		7.712					
95 Bromoform	173		7.889					
94 Isopropylbenzene	105		7.980					
97 1,1,2,2-Tetrachloroethane	83		8.254					
111 1,3-Dichlorobenzene	146		9.008					
113 1,4-Dichlorobenzene	146		9.081					
116 1,2-Dichlorobenzene	146		9.391					
117 1,2-Dibromo-3-Chloropropane	75		10.042					
119 1,2,4-Trichlorobenzene	180		10.711					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

2 - Failed Coelution Test

E - Exceeded Maximum Amount

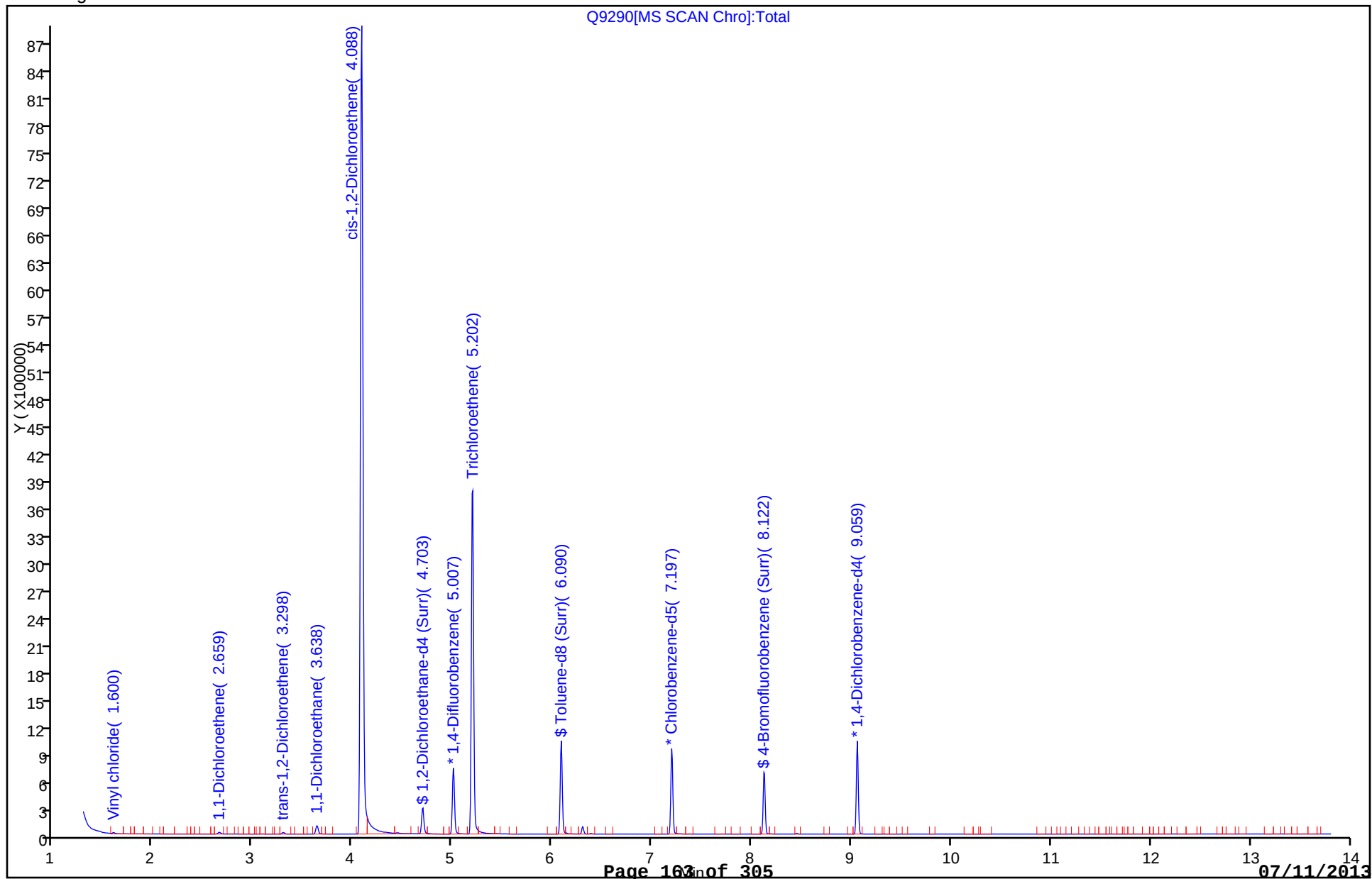
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9290.D
Injection Date: 08-Jul-2013 16:59:30 Limit Group: MV - 8260B ICAL
Client ID: Duplicate Instrument ID: HP5973Q
Lims Batch ID: 127825 Lims Sample ID: 7
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9290.D

Injection Date: 08-Jul-2013 16:59:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 7

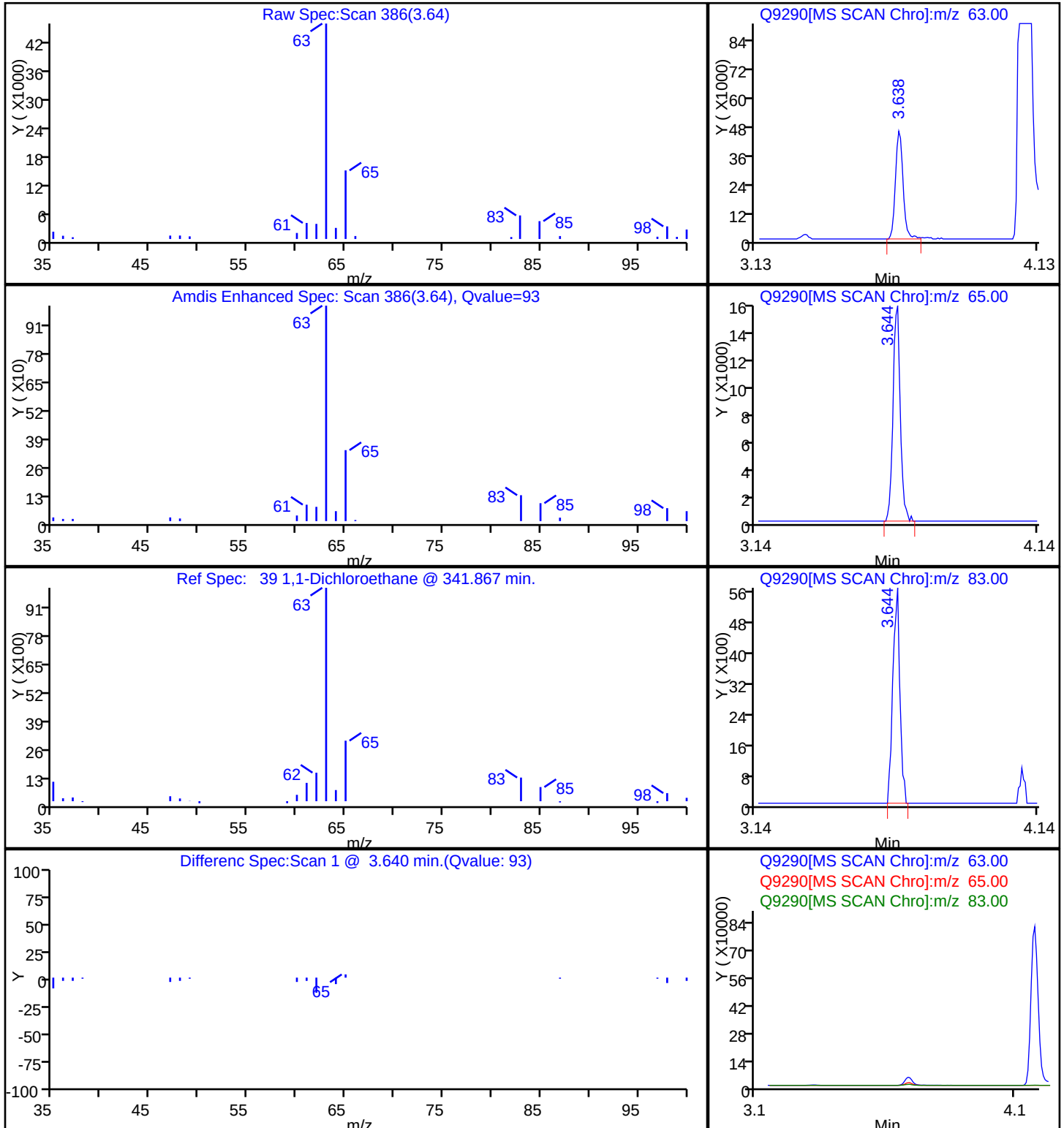
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9290.D

Injection Date: 08-Jul-2013 16:59:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 7

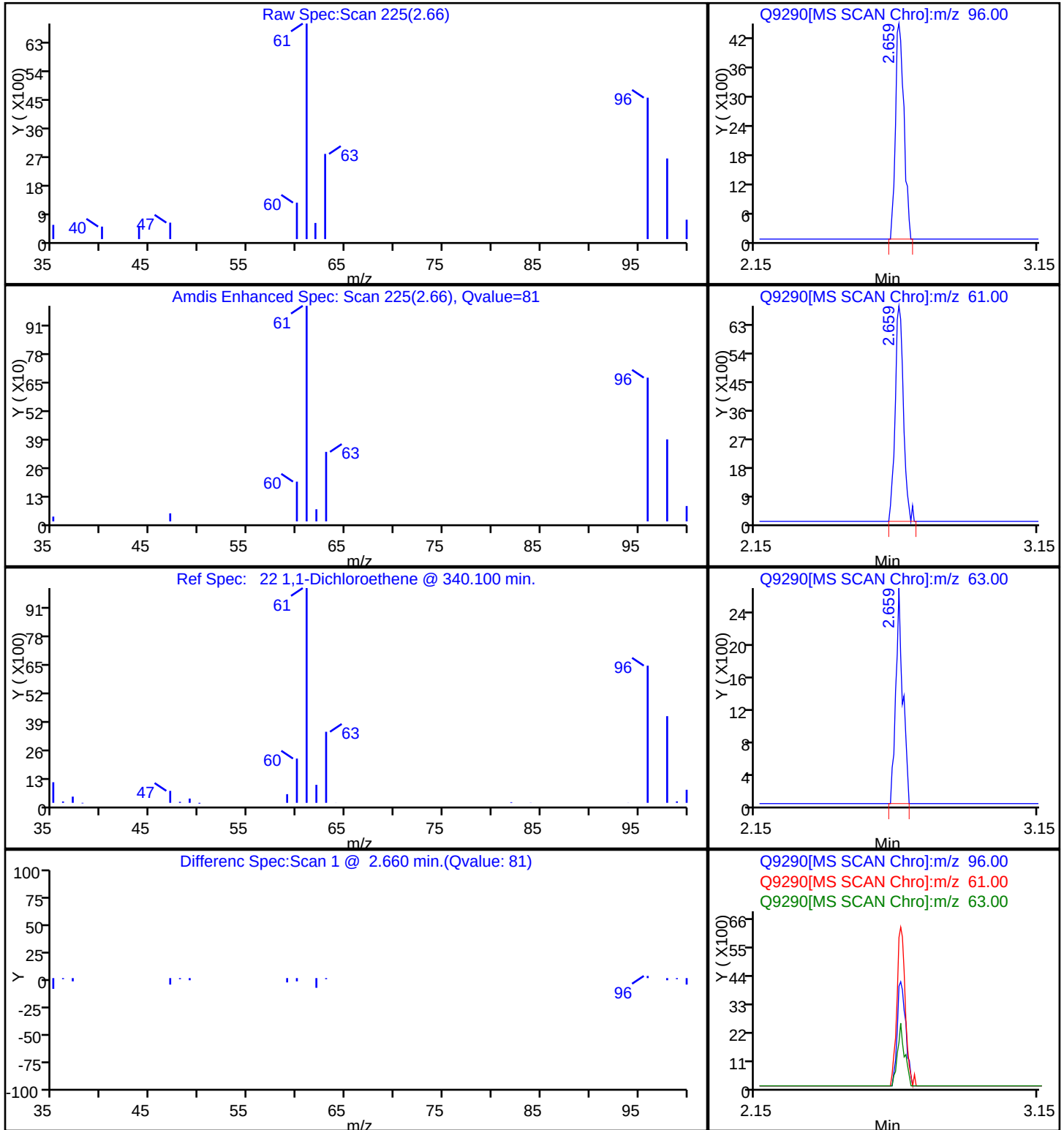
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

22 1,1-Dichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9290.D

Injection Date: 08-Jul-2013 16:59:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 7

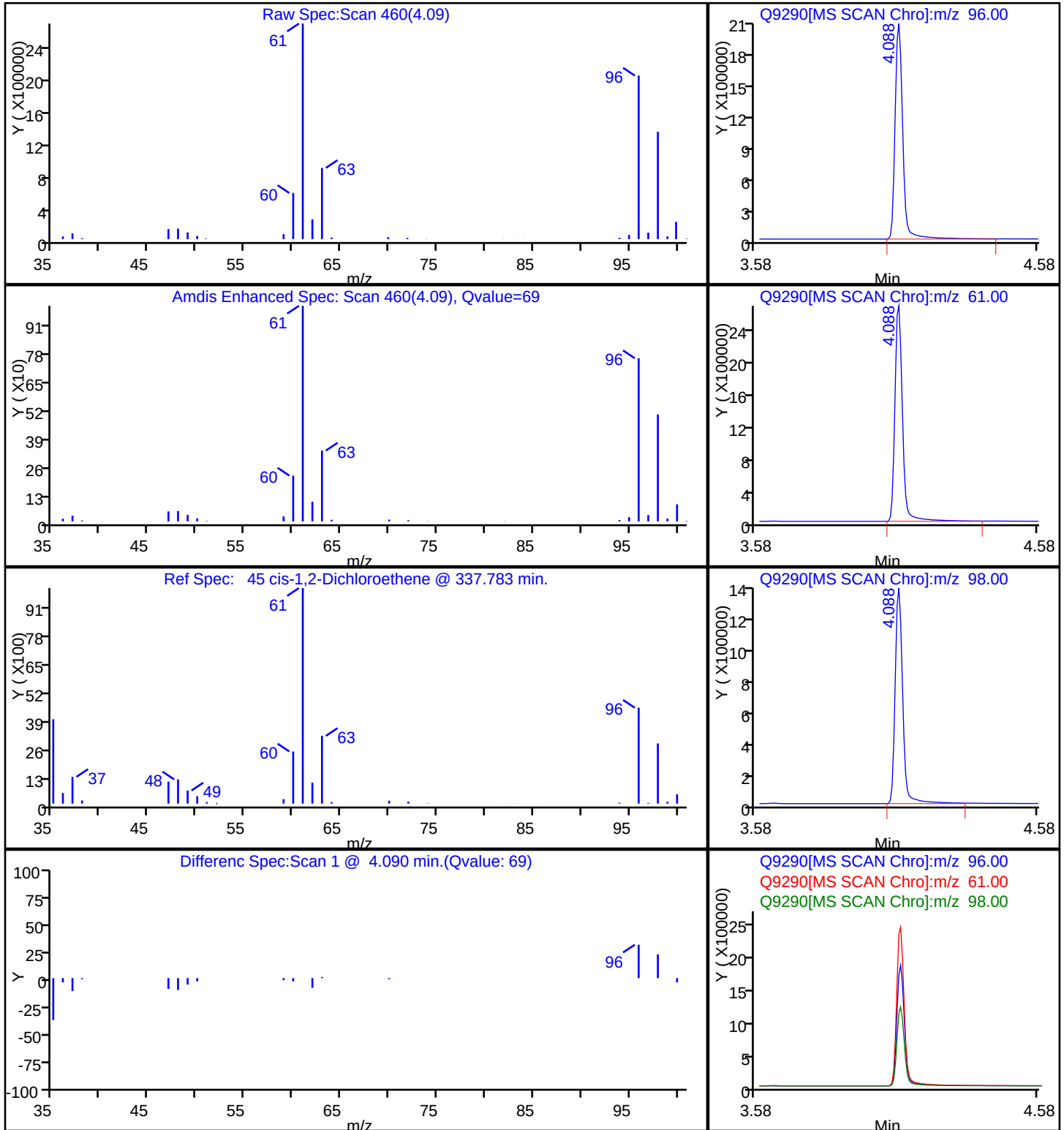
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9290.D

Injection Date: 08-Jul-2013 16:59:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 7

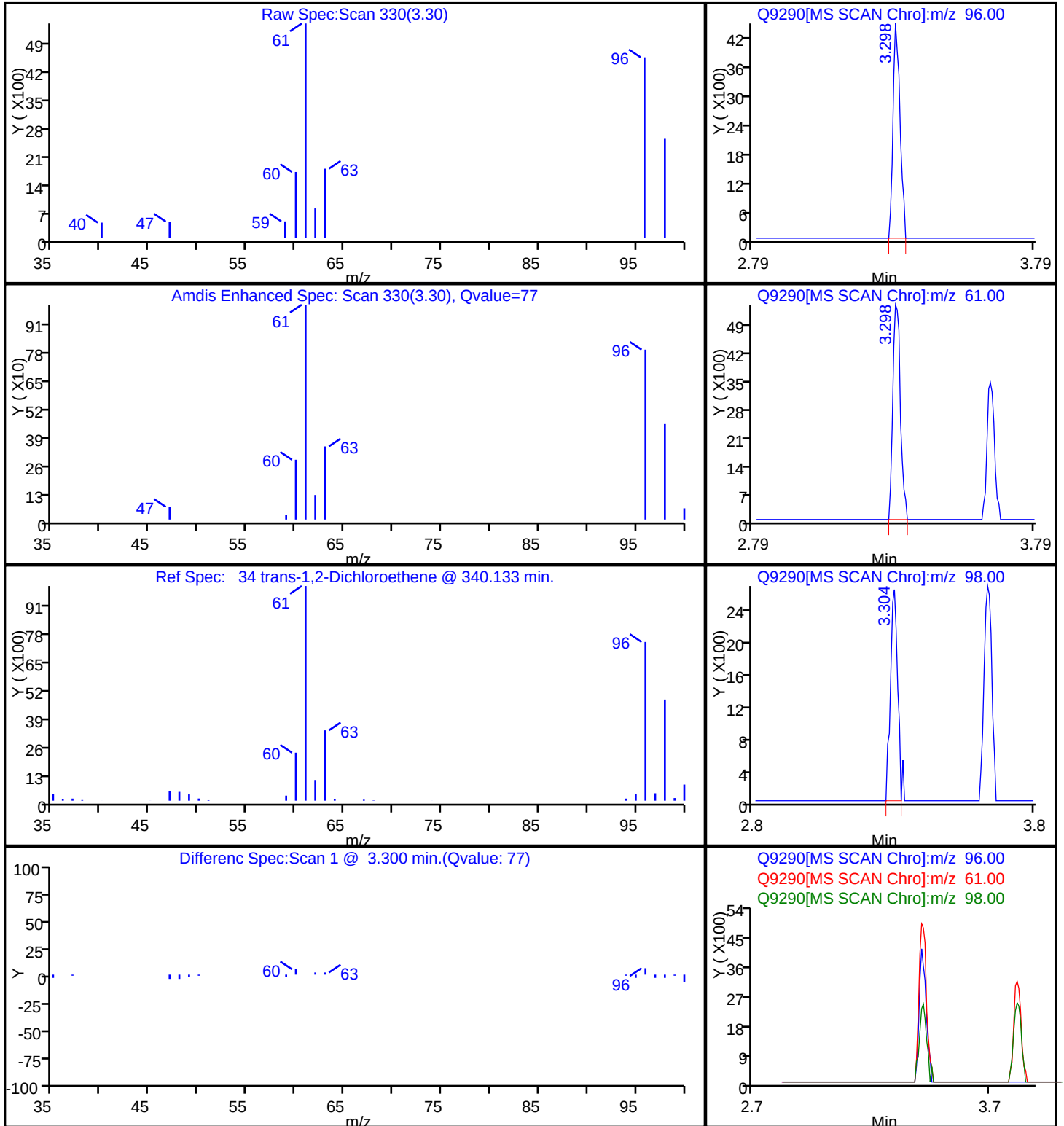
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

34 trans-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9290.D

Injection Date: 08-Jul-2013 16:59:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 7

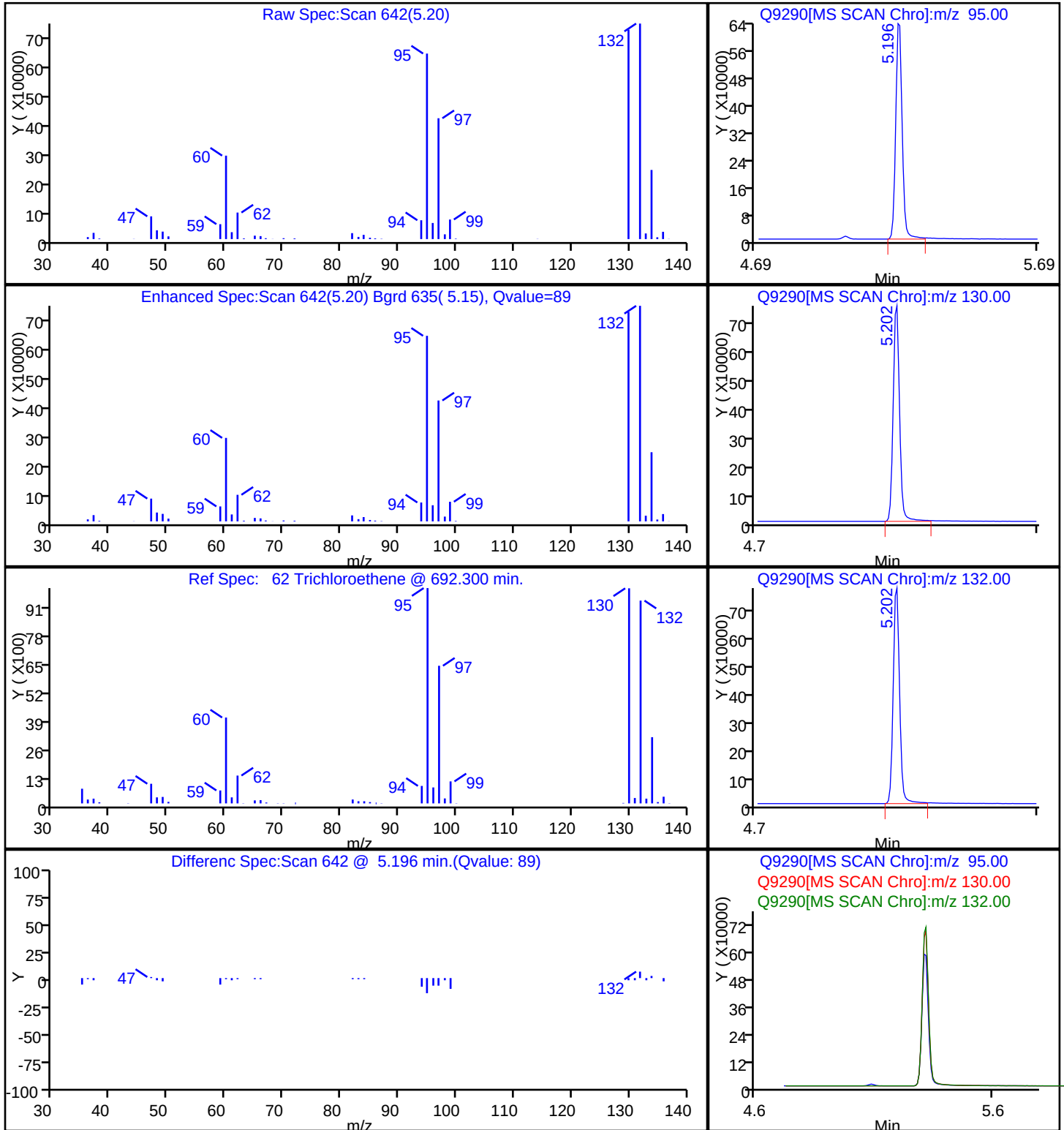
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9290.D

Injection Date: 08-Jul-2013 16:59:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 7

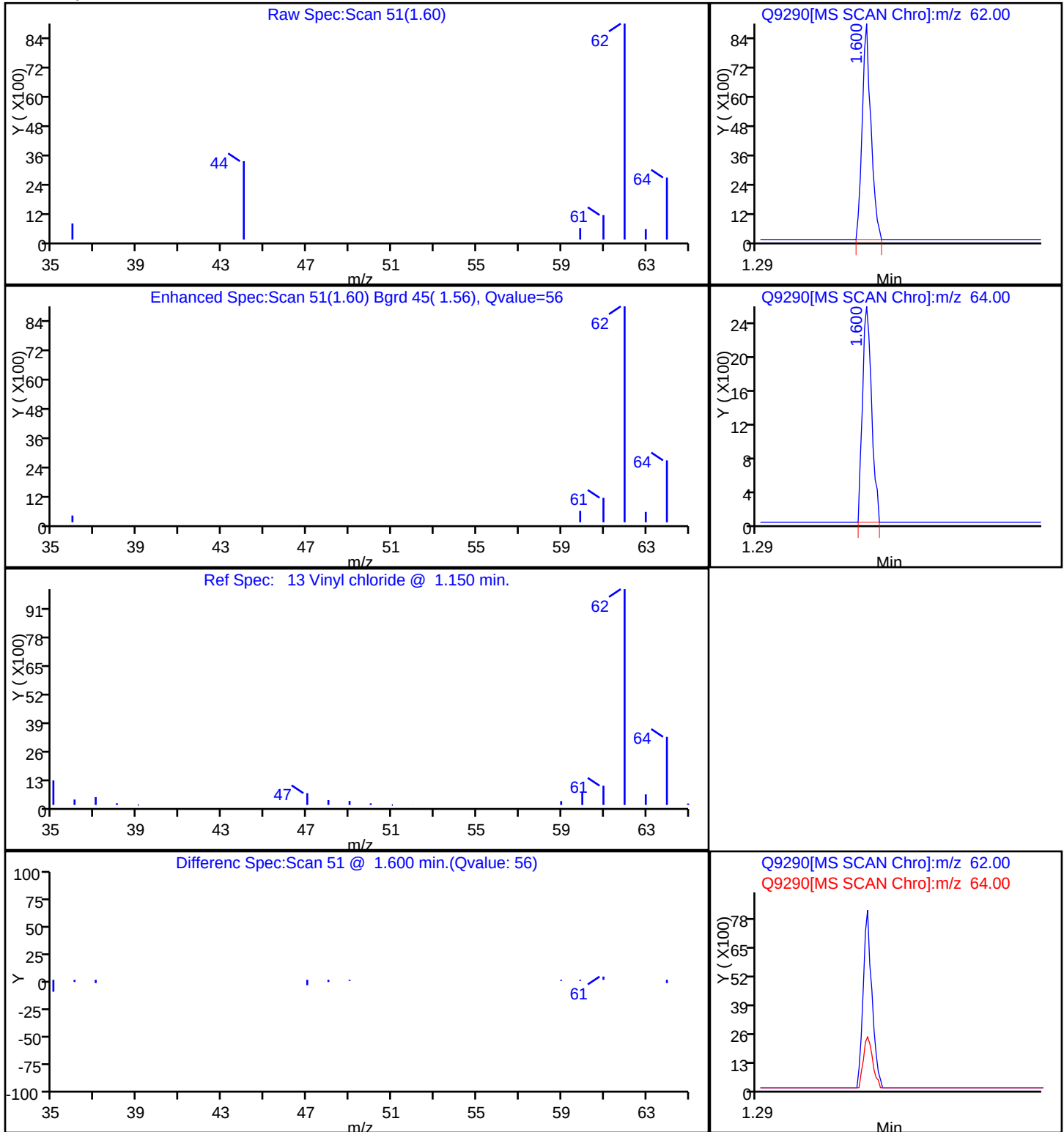
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

13 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: Duplicate DL Lab Sample ID: 480-41198-9 DL

Matrix: Water Lab File ID: Q9316.D

Analysis Method: 8260B Date Collected: 07/01/2013 13:45

Sample wt/vol: 1(uL) Date Analyzed: 07/09/2013 11:31

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.: 127928 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	620	J	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	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.: 480-41198-1
 SDG No.: _____
 Client Sample ID: Duplicate DL Lab Sample ID: 480-41198-9 DL
 Matrix: Water Lab File ID: Q9316.D
 Analysis Method: 8260B Date Collected: 07/01/2013 13:45
 Sample wt/vol: 1(uL) Date Analyzed: 07/09/2013 11:31
 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.: 127928 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	14000		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)	104		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\HP5973Q\20130709-23298.b\Q9316.D
 Lims ID: 480-41198-B-9 Client ID: Duplicate
 Inject. Date: 09-Jul-2013 11:31:30 Dil. Factor: 1000.0000
 Sample Type: Client
 Sample ID: 480-41198-B-9
 Misc. Info.: 480-0023298-007
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 7
 Lims Batch ID: 127928 Lims Sample ID: 7
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q-8260.m
 Last Update: 09-Jul-2013 17:12:28 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK027

First Level Reviewer: cwiklinc

Date: 09-Jul-2013 21:11:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.006	5.008	-0.002	94	511589	25.0	
* 2 Chlorobenzene-d5	82	7.196	7.198	-0.002	84	224230	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.057	9.059	-0.002	93	240004	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.702	4.697	0.005	86	78134	26.1	
\$ 5 Toluene-d8 (Surr)	98	6.089	6.090	-0.001	93	563233	25.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.127	8.122	0.005	95	175186	24.7	
10 Dichlorodifluoromethane	85		1.357					
12 Chloromethane	50		1.503					
13 Vinyl chloride	62		1.595					
14 Bromomethane	94		1.868					
15 Chloroethane	64		1.954					
17 Trichlorofluoromethane	101		2.191					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.647					
22 1,1-Dichloroethene	96		2.653					9
23 Acetone	43		2.738					
26 Carbon disulfide	76		2.830					
27 Methyl acetate	43		3.006					
30 Methylene Chloride	84		3.085					
32 Methyl tert-butyl ether	73		3.286					
34 trans-1,2-Dichloroethene	96		3.292					9
39 1,1-Dichloroethane	63	3.637	3.633	0.004	38	7717	0.6205	
45 cis-1,2-Dichloroethene	96	4.087	4.083	0.004	69	429733	57.0	
43 2-Butanone (MEK)	43		4.101					
50 Chloroform	83		4.332					9
51 1,1,1-Trichloroethane	97		4.442					
52 Cyclohexane	56		4.466					
55 Carbon tetrachloride	117		4.563					
57 Benzene	78		4.722					
58 1,2-Dichloroethane	62		4.752					
62 Trichloroethene	95	5.200	5.196	0.004	89	94585	14.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
64 Methylcyclohexane	83		5.312					
65 1,2-Dichloropropane	63		5.366				9	
68 Dichlorobromomethane	83		5.585					
72 cis-1,3-Dichloropropene	75		5.902					
73 4-Methyl-2-pentanone (MIBK)	43		6.005				9	
74 Toluene	92		6.139				9	
77 trans-1,3-Dichloropropene	75		6.322					
79 1,1,2-Trichloroethane	83		6.468					
81 Tetrachloroethene	166		6.553					
80 2-Hexanone	43		6.632					
83 Chlorodibromomethane	129		6.772					
84 Ethylene Dibromide	107		6.857					
87 Chlorobenzene	112		7.222				9	
88 Ethylbenzene	91		7.289					
90 m-Xylene & p-Xylene	106		7.380				9	
91 o-Xylene	106		7.696					
92 Styrene	104		7.709					
95 Bromoform	173		7.891					
94 Isopropylbenzene	105		7.976					
97 1,1,2,2-Tetrachloroethane	83		8.256					
111 1,3-Dichlorobenzene	146		9.004					
113 1,4-Dichlorobenzene	146		9.077					
116 1,2-Dichlorobenzene	146		9.388					
117 1,2-Dibromo-3-Chloropropane	75		10.039					
119 1,2,4-Trichlorobenzene	180		10.708					
S 124 Xylenes, Total	1		30.000				7	

QC Flag Legend

Processing Flags

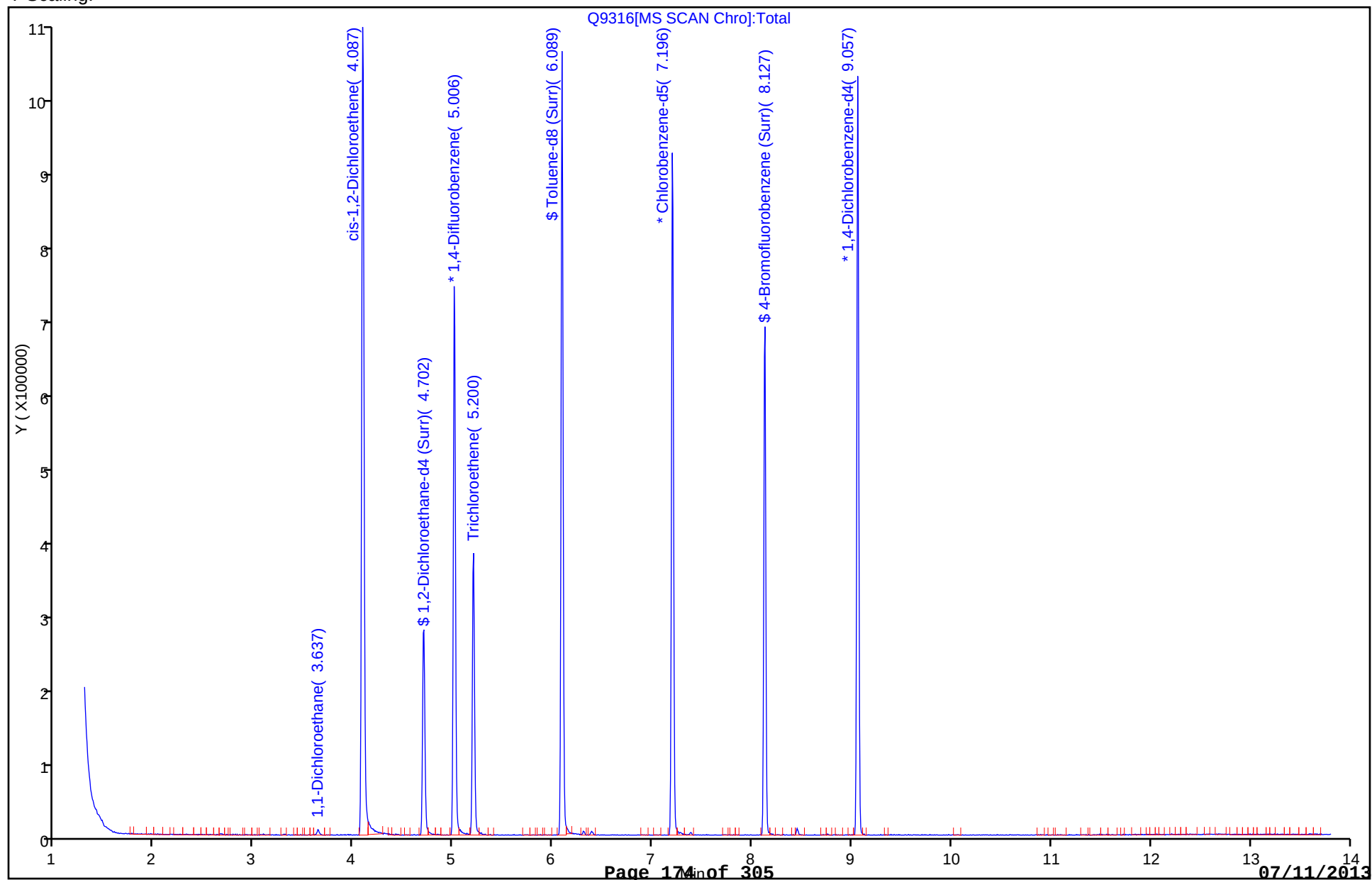
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9316.D
Injection Date: 09-Jul-2013 11:31:30 Limit Group: MV - 8260B ICAL
Client ID: Duplicate Instrument ID: HP5973Q
Lims Batch ID: 127928 Lims Sample ID: 7
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9316.D

Injection Date: 09-Jul-2013 11:31:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973Q

Lims Batch ID: 127928

Lims Sample ID: 7

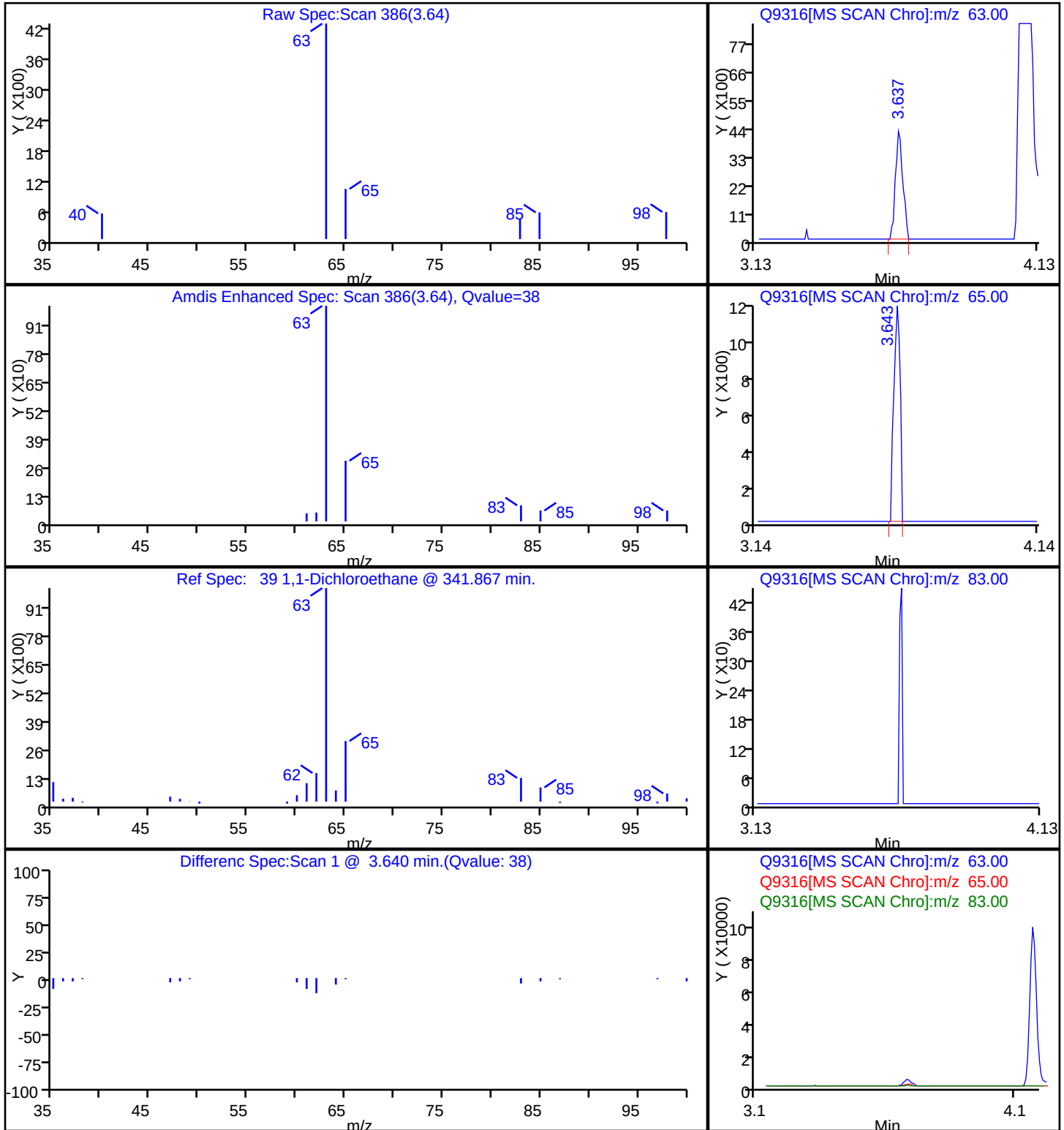
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9316.D

Injection Date: 09-Jul-2013 11:31:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973Q

Lims Batch ID: 127928

Lims Sample ID: 7

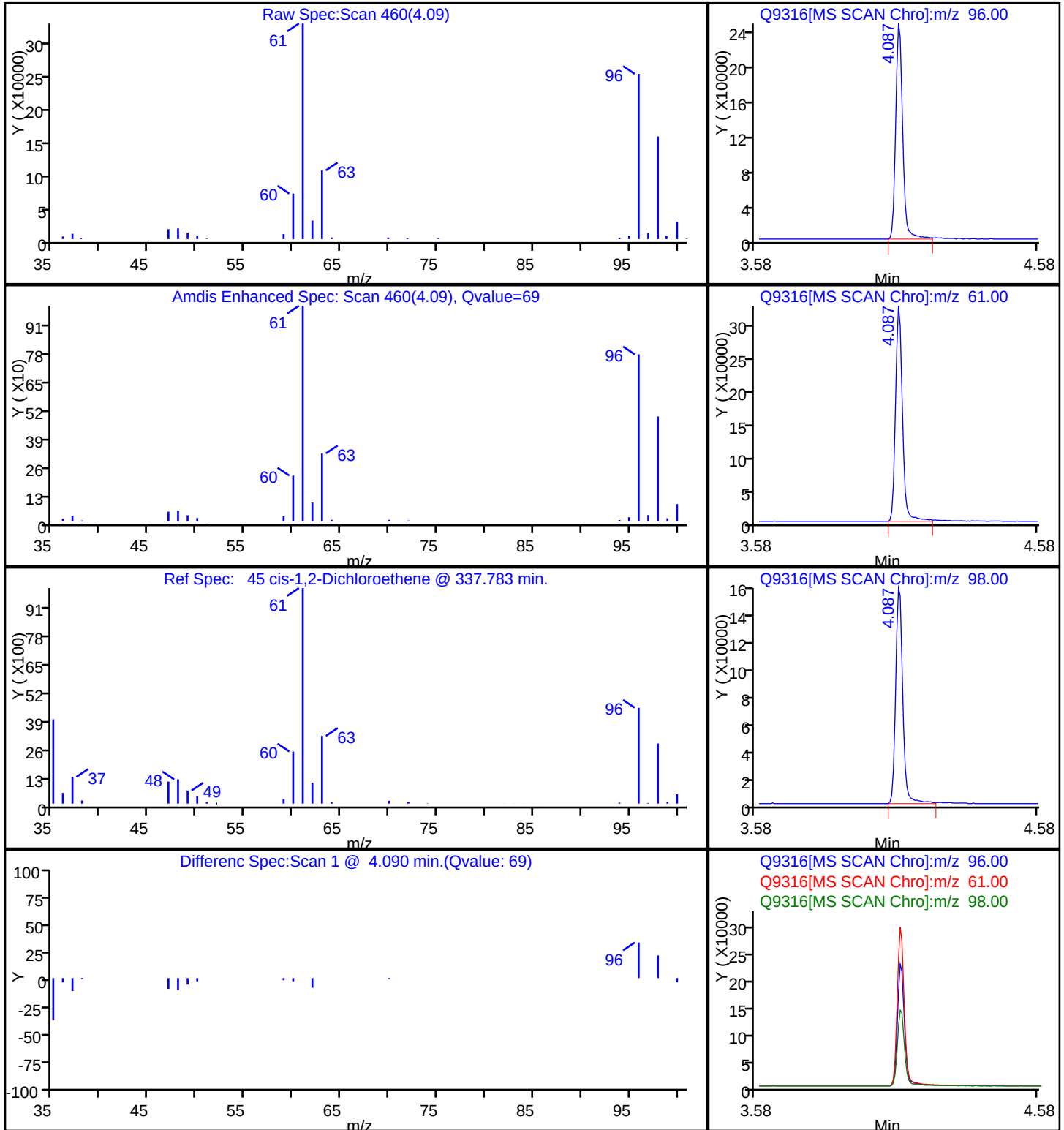
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9316.D

Injection Date: 09-Jul-2013 11:31:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973Q

Lims Batch ID: 127928

Lims Sample ID: 7

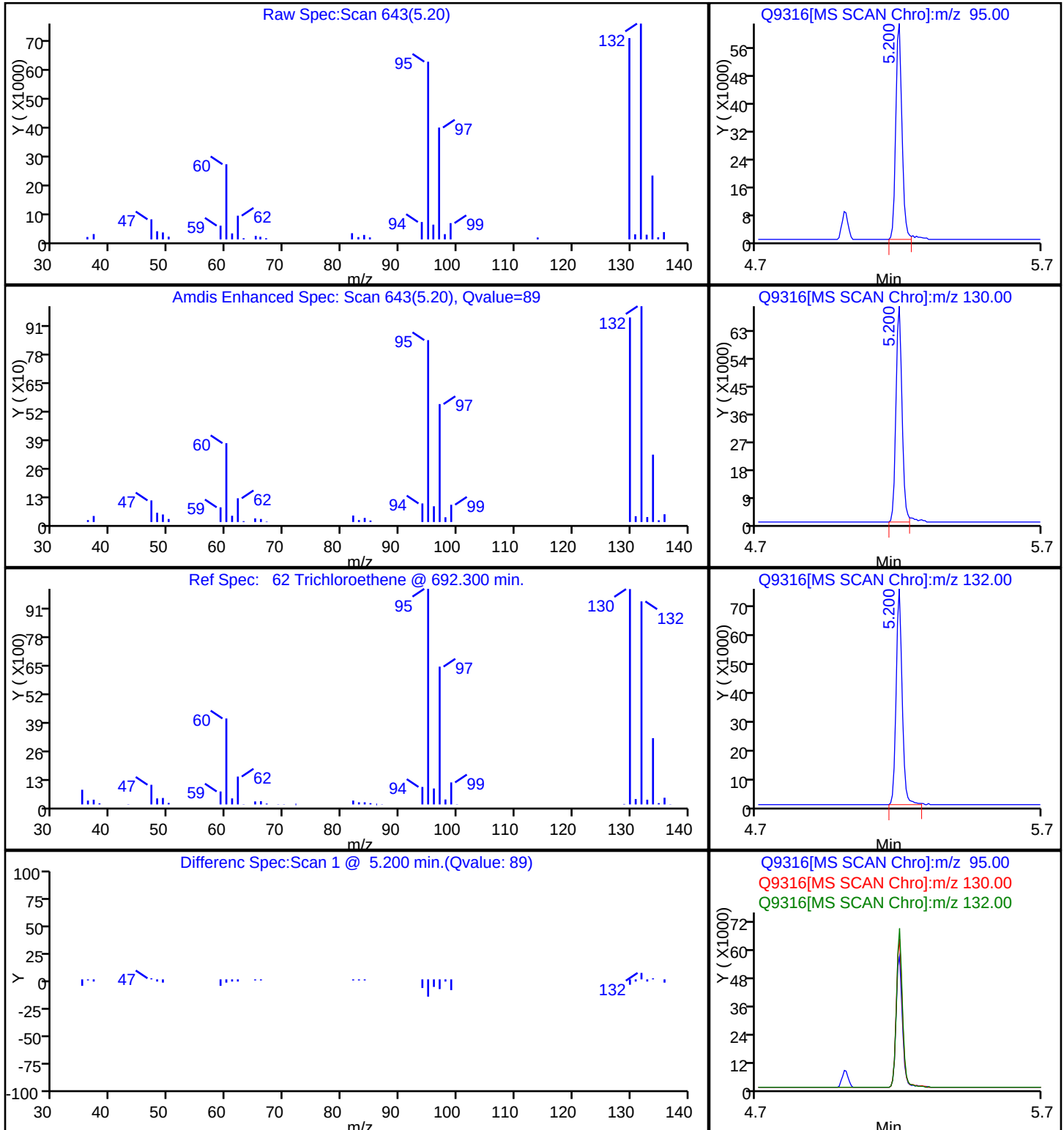
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: Rinse Blank Lab Sample ID: 480-41198-10

Matrix: Water Lab File ID: Q9317.D

Analysis Method: 8260B Date Collected: 07/01/2013 14:40

Sample wt/vol: 1(uL) Date Analyzed: 07/09/2013 11:59

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.: 127928 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.: 480-41198-1
 SDG No.: _____
 Client Sample ID: Rinse Blank Lab Sample ID: 480-41198-10
 Matrix: Water Lab File ID: Q9317.D
 Analysis Method: 8260B Date Collected: 07/01/2013 14:40
 Sample wt/vol: 1(uL) Date Analyzed: 07/09/2013 11:59
 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.: 127928 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	0.44	J	1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9317.D
 Lims ID: 480-41198-B-10 Client ID: Rinse Blank
 Inject. Date: 09-Jul-2013 11:59:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-41198-B-10
 Misc. Info.: 480-0023298-008
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 8
 Lims Batch ID: 127928 Lims Sample ID: 8
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q-8260.m
 Last Update: 09-Jul-2013 17:12:28 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK027

First Level Reviewer: cwiklinc

Date: 09-Jul-2013 21:11:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.010	5.008	0.002	93	495446	25.0	
* 2 Chlorobenzene-d5	82	7.194	7.198	-0.004	83	223779	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.056	9.059	-0.003	94	233919	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.700	4.697	0.003	86	76262	26.3	
\$ 5 Toluene-d8 (Surr)	98	6.087	6.090	-0.003	84	544823	24.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.125	8.122	0.003	93	175157	24.7	
10 Dichlorodifluoromethane	85		1.357					
12 Chloromethane	50		1.503					
13 Vinyl chloride	62		1.595					
14 Bromomethane	94		1.868					
15 Chloroethane	64		1.954					
17 Trichlorofluoromethane	101		2.191					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.647					
22 1,1-Dichloroethene	96		2.653					
23 Acetone	43		2.738					
26 Carbon disulfide	76		2.830					
27 Methyl acetate	43		3.006					
30 Methylene Chloride	84	3.094	3.085	0.009	64	3272	0.4422	
32 Methyl tert-butyl ether	73		3.286					
34 trans-1,2-Dichloroethene	96		3.292					
39 1,1-Dichloroethane	63		3.633					
45 cis-1,2-Dichloroethene	96		4.083					
43 2-Butanone (MEK)	43		4.101					9
50 Chloroform	83		4.332					9
51 1,1,1-Trichloroethane	97		4.442					
52 Cyclohexane	56		4.466					
55 Carbon tetrachloride	117		4.563					
57 Benzene	78		4.722					
58 1,2-Dichloroethane	62		4.752					
62 Trichloroethene	95		5.196					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
64 Methylcyclohexane	83		5.312					
65 1,2-Dichloropropane	63		5.366					
68 Dichlorobromomethane	83		5.585					
72 cis-1,3-Dichloropropene	75		5.902					
73 4-Methyl-2-pentanone (MIBK)	43		6.005					
74 Toluene	92		6.139					9
77 trans-1,3-Dichloropropene	75		6.322					
79 1,1,2-Trichloroethane	83		6.468					
81 Tetrachloroethene	166		6.553					
80 2-Hexanone	43		6.632					
83 Chlorodibromomethane	129		6.772					
84 Ethylene Dibromide	107		6.857					
87 Chlorobenzene	112		7.222					
88 Ethylbenzene	91		7.289					9
90 m-Xylene & p-Xylene	106		7.380					9
91 o-Xylene	106		7.696					9
92 Styrene	104		7.709					
95 Bromoform	173		7.891					
94 Isopropylbenzene	105		7.976					
97 1,1,2,2-Tetrachloroethane	83		8.256					
111 1,3-Dichlorobenzene	146		9.004					
113 1,4-Dichlorobenzene	146		9.077					
116 1,2-Dichlorobenzene	146		9.388					9
117 1,2-Dibromo-3-Chloropropane	75		10.039					
119 1,2,4-Trichlorobenzene	180		10.708					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

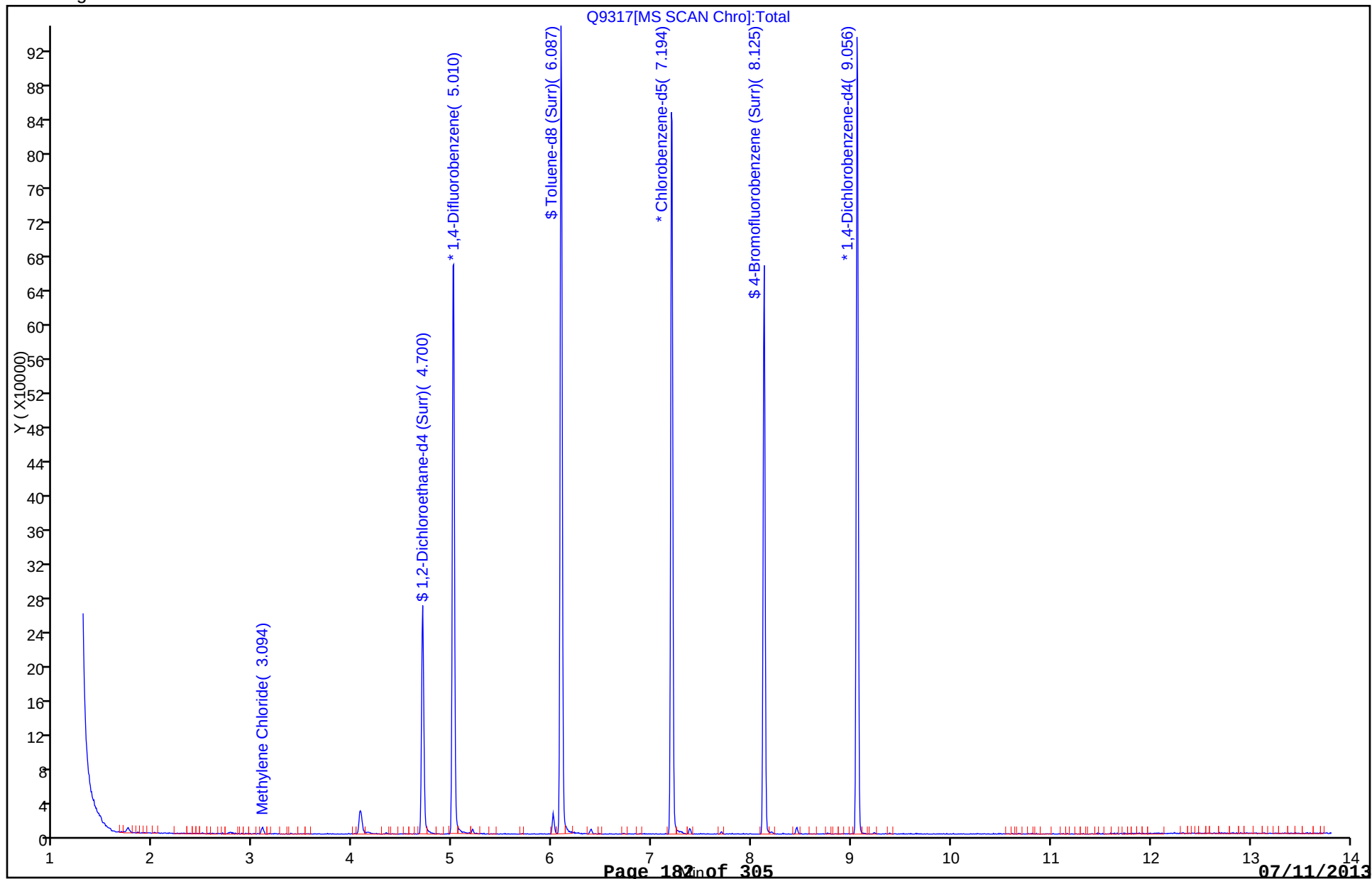
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9317.D
Injection Date: 09-Jul-2013 11:59:30 Limit Group: MV - 8260B ICAL
Client ID: Rinse Blank Instrument ID: HP5973Q
Lims Batch ID: 127928 Lims Sample ID: 8
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9317.D

Injection Date: 09-Jul-2013 11:59:30

Limit Group: MV - 8260B ICAL

Client ID: Rinse Blank

Instrument ID: HP5973Q

Lims Batch ID: 127928

Lims Sample ID: 8

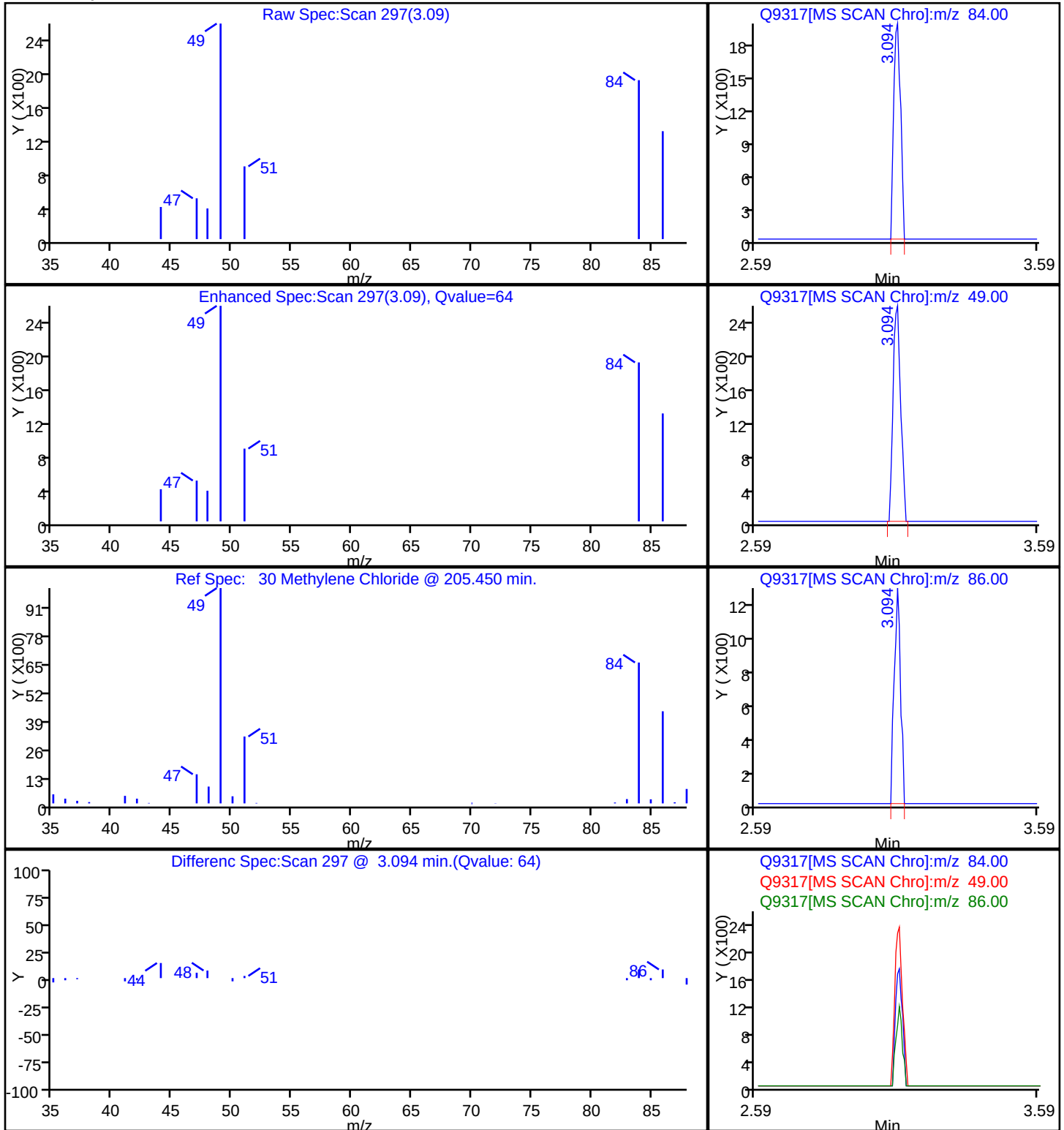
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: Trip Blank Lab Sample ID: 480-41198-11

Matrix: Water Lab File ID: Q9292.D

Analysis Method: 8260B Date Collected: 07/01/2013 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 17:55

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.: 127825 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.: 480-41198-1
 SDG No.: _____
 Client Sample ID: Trip Blank Lab Sample ID: 480-41198-11
 Matrix: Water Lab File ID: Q9292.D
 Analysis Method: 8260B Date Collected: 07/01/2013 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 17:55
 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.: 127825 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)	106		66-137
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
2037-26-5	Toluene-d8 (Surr)	103		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9292.D
 Lims ID: 480-41198-A-11 Client ID: Trip Blank
 Inject. Date: 08-Jul-2013 17:55:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-41198-A-11
 Misc. Info.: 480-0023280-009
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 9
 Lims Batch ID: 127825 Lims Sample ID: 9
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q-8260.m
 Last Update: 09-Jul-2013 01:02:33 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK001

First Level Reviewer: BrandtT

Date: 09-Jul-2013 08:23:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.011	5.005	0.006	93	512909	25.0	
* 2 Chlorobenzene-d5	82	7.201	7.195	0.006	84	227622	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.062	9.057	0.005	93	243145	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.700	4.695	0.005	87	79595	26.5	
\$ 5 Toluene-d8 (Surr)	98	6.087	6.088	-0.001	93	575959	25.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.125	8.126	-0.001	94	180743	25.1	
10 Dichlorodifluoromethane	85		1.355					
12 Chloromethane	50		1.501					
13 Vinyl chloride	62		1.592					
14 Bromomethane	94		1.866					
15 Chloroethane	64		1.951					
17 Trichlorofluoromethane	101		2.188					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.645					
22 1,1-Dichloroethene	96		2.651					
23 Acetone	43		2.742					
26 Carbon disulfide	76		2.827					
27 Methyl acetate	43		3.004					
30 Methylene Chloride	84		3.083					
32 Methyl tert-butyl ether	73		3.290					
34 trans-1,2-Dichloroethene	96		3.296					
39 1,1-Dichloroethane	63		3.636					
45 cis-1,2-Dichloroethene	96		4.086					
43 2-Butanone (MEK)	43		4.099					9
50 Chloroform	83		4.330					9
51 1,1,1-Trichloroethane	97		4.445					
52 Cyclohexane	56		4.470					
55 Carbon tetrachloride	117		4.561					
57 Benzene	78		4.719					
58 1,2-Dichloroethane	62		4.756					
62 Trichloroethene	95		5.194					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
64 Methylcyclohexane	83		5.315					
65 1,2-Dichloropropane	63		5.370					
68 Dichlorobromomethane	83		5.583					
72 cis-1,3-Dichloropropene	75		5.905					
73 4-Methyl-2-pentanone (MIBK)	43		6.003					9
74 Toluene	92		6.137					
77 trans-1,3-Dichloropropene	75		6.325					
79 1,1,2-Trichloroethane	83		6.465					
81 Tetrachloroethene	166		6.550					
80 2-Hexanone	43		6.629					
83 Chlorodibromomethane	129		6.769					
84 Ethylene Dibromide	107		6.854					
87 Chlorobenzene	112		7.219					
88 Ethylbenzene	91		7.286					
90 m-Xylene & p-Xylene	106		7.378					
91 o-Xylene	106		7.694					
92 Styrene	104		7.712					
95 Bromoform	173		7.889					
94 Isopropylbenzene	105		7.980					
97 1,1,2,2-Tetrachloroethane	83		8.254					
111 1,3-Dichlorobenzene	146		9.008					
113 1,4-Dichlorobenzene	146		9.081					
116 1,2-Dichlorobenzene	146		9.391					
117 1,2-Dibromo-3-Chloropropane	75		10.042					
119 1,2,4-Trichlorobenzene	180		10.711					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

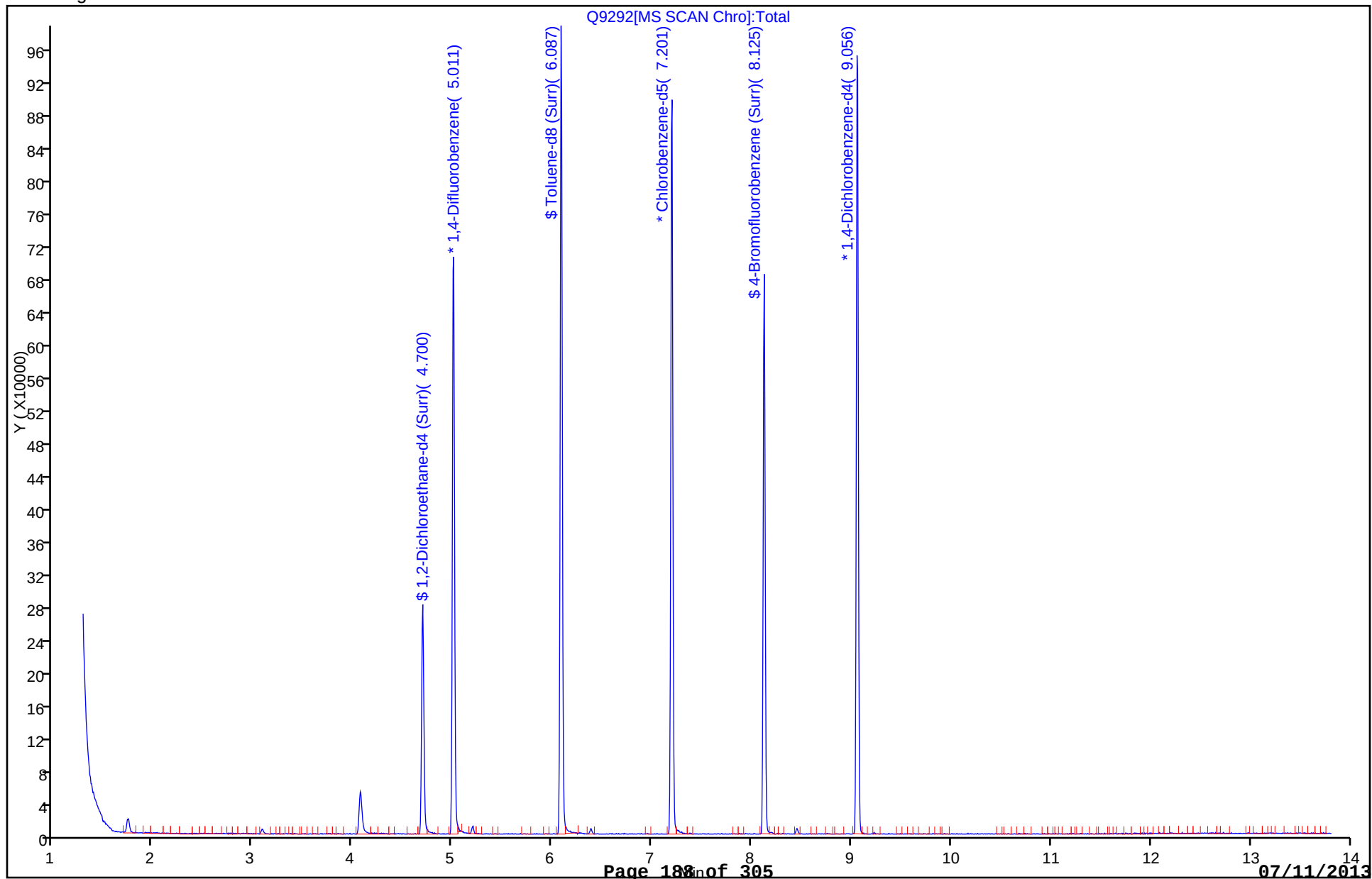
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9292.D
Injection Date: 08-Jul-2013 17:55:30 Limit Group: MV - 8260B ICAL
Client ID: Trip Blank Instrument ID: HP5973Q
Lims Batch ID: 127825 Lims Sample ID: 9
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1 Analy Batch No.: 112223

SDG No.: _____

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 11:47 Calibration End Date: 04/11/2013 14:40 Calibration ID: 13093

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-112223/2	Q6993.D
Level 2	IC 480-112223/3	Q6994.D
Level 3	IC 480-112223/4	Q6995.D
Level 4	ICIS 480-112223/5	Q6996.D
Level 5	IC 480-112223/6	Q6997.D
Level 6	IC 480-112223/7	Q6998.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	0.3260 0.3521	0.2988	0.3426	0.3215	0.3535	Ave		0.3324				6.4		15.0			
Chloromethane	0.5110 0.5033	0.4464	0.4754	0.4964	0.4963	Ave		0.4881			0.1000	4.8		15.0			
Vinyl chloride	0.2851 0.3049	0.2715	0.2978	0.2935	0.3107	Ave		0.2939				4.8		30.0			
Bromomethane	0.0506 0.1054	0.0531	0.0716	0.0794	0.0900	Lin	-0.375	0.1063							0.9940		0.9900
Chloroethane	0.0892 0.1187	0.0955	0.0977	0.1022	0.1151	Ave		0.1031				11.0		15.0			
Trichlorofluoromethane	0.3911 0.4484	0.3850	0.3842	0.4149	0.4424	Ave		0.4110				7.0		15.0			
Acrolein	0.0582 0.0605	0.0537	0.0589	0.0595	0.0624	Ave		0.0589				5.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2778 0.2673	0.2236	0.2700	0.2691	0.2775	Ave		0.2642				7.7		15.0			
1,1-Dichloroethene	0.2896 0.2849	0.2703	0.3017	0.2847	0.2907	Ave		0.2870				3.6		30.0			
Acetone	0.2900 0.1176	0.1300	0.1322	0.1190	0.1199	Lin1	0.7892	0.1154							0.9990		0.9900
Iodomethane	0.1360 0.3880	0.1967	0.2529	0.3113	0.3670	Lin1	-0.425	0.3725							0.9900		0.9900
Carbon disulfide	0.8898 0.9047	0.7568	0.8615	0.8780	0.9253	Ave		0.8693				6.8		15.0			
Acetonitrile	0.0292 0.0274	0.0274	0.0288	0.0287	0.0284	Ave		0.0283				2.7		15.0			
Methyl acetate	0.5101 0.4807	0.4938	0.4846	0.4920	0.4895	Ave		0.4918				2.1		15.0			
Methylene Chloride	0.4778 0.3450	0.3466	0.3729	0.3421	0.3559	Ave		0.3734				14.0		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.: 480-41198-1 Analy Batch No.: 112223

SDG No.: _____

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 11:47 Calibration End Date: 04/11/2013 14:40 Calibration ID: 13093

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								
Methyl tert-butyl ether	0.8693 0.9504	0.8535	0.9379	0.9404	0.9718	Ave		0.9205				5.2		15.0			
trans-1,2-Dichloroethene	0.3383 0.3020	0.3128	0.3398	0.3208	0.3218	Ave		0.3226				4.5		15.0			
Acrylonitrile	0.1481 0.1419	0.1410	0.1557	0.1535	0.1512	Ave		0.1486				4.1		15.0			
1,1-Dichloroethane	0.6178 0.6265	0.5578	0.6227	0.6047	0.6171	Ave		0.6078			0.1000	4.2		15.0			
Vinyl acetate	0.5611 0.6322	0.5650	0.6554	0.6449	0.6628	Ave		0.6202				7.3		15.0			
2,2-Dichloropropane	0.3086 0.4247	0.3094	0.3634	0.3796	0.4118	Ave		0.3662				14.0		15.0			
cis-1,2-Dichloroethene	0.4091 0.3573	0.3384	0.3719	0.3649	0.3699	Ave		0.3686				6.3		15.0			
2-Butanone (MEK)	0.2076 0.1868	0.1751	0.1928	0.1999	0.1991	Ave		0.1935				5.9		15.0			
Bromochloromethane	0.1905 0.1947	0.1803	0.1961	0.1941	0.1970	Ave		0.1921				3.2		15.0			
Tetrahydrofuran	0.1297 0.1252	0.1176	0.1283	0.1314	0.1303	Ave		0.1271				4.0		15.0			
Chloroform	0.5896 0.5328	0.5126	0.5464	0.5349	0.5346	Ave		0.5418				4.8		30.0			
1,1,1-Trichloroethane	0.4056 0.4561	0.3756	0.4310	0.4297	0.4562	Ave		0.4257				7.3		15.0			
Cyclohexane	0.5683 0.5645	0.4976	0.5712	0.5850	0.5990	Ave		0.5643				6.2		15.0			
Carbon tetrachloride	0.3270 0.4058	0.3142	0.3698	0.3672	0.4021	Ave		0.3644				10.0		15.0			
1,1-Dichloropropene	0.4573 0.4243	0.4143	0.4567	0.4456	0.4497	Ave		0.4413				4.1		15.0			
Benzene	1.4112 1.2641	1.2628	1.3416	1.3123	1.3122	Ave		1.3174				4.2		15.0			
1,2-Dichloroethane	0.4591 0.4244	0.4108	0.4396	0.4183	0.4259	Ave		0.4297				4.0		15.0			
Trichloroethene	0.3415 0.3330	0.3073	0.3318	0.3347	0.3386	Ave		0.3311				3.7		15.0			
Methylcyclohexane	0.4767 0.4958	0.4220	0.4730	0.5049	0.5207	Ave		0.4822				7.1		15.0			
1,2-Dichloropropane	0.3734 0.3569	0.3576	0.3781	0.3656	0.3648	Ave		0.3661				2.3		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.: 480-41198-1 Analy Batch No.: 112223

SDG No.: _____

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 11:47 Calibration End Date: 04/11/2013 14:40 Calibration ID: 13093

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	0.2246 0.2117	0.1972	0.2185	0.2106	0.2135	Ave		0.2127				4.3		15.0			
Bromodichloromethane	0.3764 0.4403	0.3777	0.4117	0.4194	0.4381	Ave		0.4106				6.9		15.0			
2-Chloroethyl vinyl ether	0.2473 0.2209	0.2351	0.2633	0.2609	0.2493	Ave		0.2461				6.5		15.0			
cis-1,3-Dichloropropene	0.5122 0.5591	0.4794	0.5405	0.5492	0.5564	Ave		0.5328				5.8		15.0			
4-Methyl-2-pentanone (MIBK)	0.8431 0.8845	0.8722	0.9128	0.9480	0.9374	Ave		0.8997				4.5		15.0			
Toluene	1.9910 1.8713	1.7384	1.8698	1.8786	1.9035	Ave		1.8754				4.3		30.0			
trans-1,3-Dichloropropene	0.7748 1.2376	0.8799	1.0199	1.1283	1.1846	Lin1	-0.755	1.2100							0.9980		0.9900
Ethyl methacrylate	0.8928 1.1324	0.9310	1.0170	1.1075	1.1495	Ave		1.0384				10.0		15.0			
1,1,2-Trichloroethane	0.5654 0.6102	0.5706	0.5848	0.5966	0.6077	Ave		0.5892				3.2		15.0			
Tetrachloroethene	0.7387 0.8710	0.7799	0.8084	0.8253	0.8678	Ave		0.8152				6.3		15.0			
1,3-Dichloropropane	1.2471 1.2789	1.2046	1.2883	1.2896	1.2730	Ave		1.2636				2.6		15.0			
2-Hexanone	0.5786 0.6311	0.5890	0.6498	0.6859	0.6607	Ave		0.6325				6.6		15.0			
Dibromochloromethane	0.6406 0.9231	0.6729	0.7820	0.8304	0.8932	Ave		0.7904				15.0		15.0			
1,2-Dibromoethane	0.7240 0.8585	0.7336	0.7806	0.8344	0.8418	Ave		0.7955				7.3		15.0			
Chlorobenzene	2.1960 2.2254	2.0587	2.2255	2.2266	2.2289	Ave		2.1935			0.3000	3.1		15.0			
1,1,1,2-Tetrachloroethane	0.6465 0.7683	0.6391	0.7000	0.7520	0.7603	Ave		0.7110				8.2		15.0			
Ethylbenzene	3.6747 3.1851	3.2150	3.4551	3.4314	3.3908	Ave		3.3920				5.3		30.0			
m,p-Xylene	1.4444 1.2992	1.3582	1.4429	1.4143	1.3843	Ave		1.3906				4.0		15.0			
o-Xylene	1.4325 1.3822	1.3095	1.4241	1.4435	1.4373	Ave		1.4048				3.7		15.0			
Styrene	2.2848 2.3165	2.2272	2.4248	2.4298	2.4247	Ave		2.3513				3.7		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.: 480-41198-1 Analy Batch No.: 112223

SDG No.: _____

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 11:47 Calibration End Date: 04/11/2013 14:40 Calibration ID: 13093

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	0.4053 0.6456	0.4454	0.5007	0.5559	0.5994	Lin1	-0.418	0.6208			0.1000				0.9950		0.9900
Isopropylbenzene	3.4790 3.4250	3.2800	3.4080	3.4362	3.5199	Ave		3.4247				2.4		15.0			
Bromobenzene	0.9787 0.9287	0.8740	0.9264	0.9197	0.9331	Ave		0.9268				3.6		15.0			
1,1,2,2-Tetrachloroethane	0.9331 0.9037	0.9383	0.9678	0.9704	0.9665	Ave		0.9466			0.3000	2.8		15.0			
1,2,3-Trichloropropane	0.3024 0.2767	0.2754	0.3017	0.2942	0.2914	Ave		0.2903				4.1		15.0			
trans-1,4-Dichloro-2-butene	0.2142 0.2278	0.2153	0.2367	0.2496	0.2453	Ave		0.2315				6.5		15.0			
N-Propylbenzene	4.0575 3.4777	3.7177	3.9760	3.8517	3.8152	Ave		3.8160				5.4		15.0			
2-Chlorotoluene	0.8628 0.8063	0.7826	0.8316	0.8236	0.8366	Ave		0.8239				3.3		15.0			
1,3,5-Trimethylbenzene	2.8324 2.6403	2.5668	2.7545	2.7420	2.7525	Ave		2.7147				3.5		15.0			
4-Chlorotoluene	0.8438 0.8236	0.8272	0.8596	0.8601	0.8529	Ave		0.8445				1.9		15.0			
tert-Butylbenzene	0.6561 0.6361	0.5929	0.6287	0.6436	0.6545	Ave		0.6353				3.7		15.0			
1,2,4-Trimethylbenzene	2.8365 2.6810	2.6170	2.8264	2.7372	2.7703	Ave		2.7447				3.1		15.0			
sec-Butylbenzene	3.4093 3.2990	3.1459	3.3845	3.3520	3.3999	Ave		3.3318				3.0		15.0			
1,3-Dichlorobenzene	1.8027 1.5427	1.5688	1.7282	1.6516	1.6242	Ave		1.6530				5.9		15.0			
4-Isopropyltoluene	2.8062 2.5516	2.6456	2.7970	2.7362	2.7282	Ave		2.7108				3.6		15.0			
1,4-Dichlorobenzene	1.7818 1.6937	1.6313	1.7165	1.6867	1.7152	Ave		1.7042				2.9		15.0			
n-Butylbenzene	2.2019 2.2638	2.0980	2.2673	2.2498	2.3275	Ave		2.2347				3.5		15.0			
1,2-Dichlorobenzene	1.7125 1.6282	1.5407	1.6721	1.6315	1.6406	Ave		1.6376				3.5		15.0			
1,2-Dibromo-3-Chloropropane	0.1389 0.1665	0.1219	0.1455	0.1528	0.1629	Ave		0.1481				11.0		15.0			
1,2,4-Trichlorobenzene	0.9183 0.9909	0.8394	1.0351	0.9354	0.9711	Ave		0.9484				7.1		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.: 480-41198-1 Analy Batch No.: 112223

SDG No.: _____

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 11:47 Calibration End Date: 04/11/2013 14:40 Calibration ID: 13093

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	0.2674 0.3424	0.2988	0.3379	0.3011	0.3367	Ave		0.3141				9.5		15.0			
Naphthalene	1.9899 2.3201	1.9147	2.4795	2.1421	2.2853	Ave		2.1886				9.8		15.0			
1,2,3-Trichlorobenzene	0.6082 0.7503	0.6140	0.9252	0.7108	0.7296	Lin1	-0.109	0.7480							0.9950		0.9900
1,2-Dichloroethane-d4 (Surr)	0.1515 0.1459	0.1434	0.1496	0.1417	0.1471	Ave		0.1465				2.5		15.0			
Toluene-d8 (Surr)	2.4208 2.5058	2.4359	2.4290	2.4168	2.4640	Ave		2.4454				1.4		15.0			
4-Bromofluorobenzene (Surr)	0.7531 0.8462	0.7593	0.7892	0.7929	0.8042	Ave		0.7908				4.3		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.: 480-41198-1 Analy Batch No.: 112223

SDG No.: _____

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 11:47 Calibration End Date: 04/11/2013 14:40 Calibration ID: 13093

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-112223/2	Q6993.D
Level 2	IC 480-112223/3	Q6994.D
Level 3	IC 480-112223/4	Q6995.D
Level 4	ICIS 480-112223/5	Q6996.D
Level 5	IC 480-112223/6	Q6997.D
Level 6	IC 480-112223/7	Q6998.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	9850 903996	43841	94749	223689	478991	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	DFB	Ave	15438 1292024	65509	131494	345376	672414	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	DFB	Ave	8614 782882	39842	82378	204178	420890	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	DFB	Lin	1530 270652	7796	19794	55218	121973	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	DFB	Ave	2695 304770	14010	27010	71131	156006	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	DFB	Ave	11817 1151261	56494	106256	288642	599415	1.00 100	5.00	10.0	25.0	50.0
Acrolein	DFB	Ave	35164 3105352	157522	326072	828111	1690275	20.0 2000	100	200	500	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Ave	8394 686217	32807	74682	187248	375950	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloroethene	DFB	Ave	8748 731363	39664	83433	198048	393853	1.00 100	5.00	10.0	25.0	50.0
Acetone	DFB	Lin1	43811 1509635	95417	182831	413799	812201	5.00 500	25.0	50.0	125	250
Iodomethane	DFB	Lin1	4110 996203	28859	69939	216599	497247	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	DFB	Ave	26882 2322641	111055	238279	610807	1253620	1.00 100	5.00	10.0	25.0	50.0
Acetonitrile	DFB	Ave	35240 2811517	160558	318691	798403	1540985	40.0 4000	200	400	1000	2000
Methyl acetate	DFB	Ave	15410 1234185	72459	134018	342263	663273	1.00 100	5.00	10.0	25.0	50.0
Methylene Chloride	DFB	Ave	14436 885690	50866	103126	237994	482179	1.00 100	5.00	10.0	25.0	50.0
Methyl tert-butyl ether	DFB	Ave	26263 2439934	125246	259390	654214	1316652	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.: 480-41198-1 Analy Batch No.: 112223

SDG No.: _____

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 11:47 Calibration End Date: 04/11/2013 14:40 Calibration ID: 13093

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
trans-1,2-Dichloroethene	DFB	Ave	10219 775420	45904	93988	223187	435982	1.00 100	5.00	10.0	25.0	50.0
Acrylonitrile	DFB	Ave	22367 1821053	103454	215331	533858	1024616	5.00 500	25.0	50.0	125	250
1,1-Dichloroethane	DFB	Ave	18663 1608459	81851	172224	420674	836121	1.00 100	5.00	10.0	25.0	50.0
Vinyl acetate	DFB	Ave	84762 8115478	414560	906301	2243274	4490275	5.00 500	25.0	50.0	125	250
2,2-Dichloropropane	DFB	Ave	9323 1090331	45397	100502	264072	557873	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	12360 917164	49656	102858	253833	501146	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	DFB	Ave	31358 2398128	128492	266573	695218	1348696	5.00 500	25.0	50.0	125	250
Bromochloromethane	DFB	Ave	5755 499780	26458	54234	135004	266913	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	DFB	Ave	19598 1606917	86283	177441	457104	882950	5.00 500	25.0	50.0	125	250
Chloroform	DFB	Ave	17812 1367813	75228	151119	372112	724304	1.00 100	5.00	10.0	25.0	50.0
1,1,1-Trichloroethane	DFB	Ave	12254 1170860	55118	119211	298975	618124	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	DFB	Ave	17170 1449261	73024	157981	406970	811573	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	DFB	Ave	9880 1041815	46110	102287	255446	544792	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	DFB	Ave	13817 1089200	60803	126304	309971	609223	1.00 100	5.00	10.0	25.0	50.0
Benzene	DFB	Ave	42633 3245194	185306	371058	912997	1777853	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane	DFB	Ave	13871 1089624	60289	121583	291001	577081	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	DFB	Ave	10317 854879	45090	91773	232828	458775	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	DFB	Ave	14403 1272835	61931	130811	351249	705531	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	DFB	Ave	11282 916185	52482	104564	254351	494242	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	DFB	Ave	6784 543466	28941	60428	146533	289263	1.00 100	5.00	10.0	25.0	50.0
Bromodichloromethane	DFB	Ave	11372 1130359	55421	113875	291804	593625	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.: 480-41198-1 Analy Batch No.: 112223

SDG No.: _____

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 11:47 Calibration End Date: 04/11/2013 14:40 Calibration ID: 13093

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	37356 2835586	172532	364136	907559	1688735	5.00 500	25.0	50.0	125	250
cis-1,3-Dichloropropene	DFB	Ave	15475 1435296	70354	149490	382096	753891	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	58670 4772760	288676	575419	1441645	2748220	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	27710 2019557	115079	235752	571382	1116087	1.00 100	5.00	10.0	25.0	50.0
trans-1,3-Dichloropropene	CBZ	Lin1	10783 1335657	58246	128590	343176	694571	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	Ave	12426 1222077	61633	128220	336844	674029	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	7869 658582	37772	73731	181465	356316	1.00 100	5.00	10.0	25.0	50.0
Tetrachloroethene	CBZ	Ave	10281 939994	51627	101930	251002	508821	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	17357 1380175	79739	162425	392226	746426	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	40266 3405524	194938	409664	1043021	1936923	5.00 500	25.0	50.0	125	250
Dibromochloromethane	CBZ	Ave	8916 996266	44542	98591	252567	523720	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromoethane	CBZ	Ave	10076 926503	48564	98419	253795	493604	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	30562 2401666	136282	280598	677202	1306905	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	8998 829146	42305	88252	228708	445801	1.00 100	5.00	10.0	25.0	50.0
Ethylbenzene	CBZ	Ave	51142 3437412	212823	435622	1043659	1988210	1.00 100	5.00	10.0	25.0	50.0
m,p-Xylene	CBZ	Ave	40204 2804360	179825	363844	860318	1623413	2.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	19937 1491709	86685	179557	439026	842742	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	31798 2500059	147434	305718	739010	1421712	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	Lin1	5641 696704	29487	63134	169072	351429	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	48396 3853807	220526	443134	1076825	2123248	1.00 100	5.00	10.0	25.0	50.0
Bromobenzene	DCB	Ave	13615 1045014	58761	120452	288224	562878	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.: 480-41198-1 Analy Batch No.: 112223

SDG No.: _____

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 11:47 Calibration End Date: 04/11/2013 14:40 Calibration ID: 13093

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	12980 1016796	63082	125841	304091	583016	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichloropropane	DCB	Ave	4207 311349	18514	39234	92207	175793	1.00 100	5.00	10.0	25.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	14900 1281682	72360	153876	391093	739843	5.00 500	25.0	50.0	125	250
N-Propylbenzene	DCB	Ave	56443 3913109	249953	516985	1207048	2301386	1.00 100	5.00	10.0	25.0	50.0
2-Chlorotoluene	DCB	Ave	12002 907256	52616	108136	258114	504669	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	39401 2970867	172572	358152	859279	1660348	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	11738 926734	55615	111770	269539	514510	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	9127 715706	39863	81745	201700	394810	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	39458 3016644	175950	367508	857789	1671086	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	47426 3711981	211512	440069	1050442	2050899	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	25077 1735852	105474	224709	517582	979771	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	39036 2871065	177874	363688	857458	1645664	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	24786 1905731	109675	223187	528581	1034614	1.00 100	5.00	10.0	25.0	50.0
n-Butylbenzene	DCB	Ave	30630 2547148	141056	294803	705057	1404010	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	23823 1832047	103586	217417	511295	989666	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	1932 187353	8195	18924	47886	98251	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	12775 1114993	56438	134594	293142	585775	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DCB	Ave	3720 385224	20091	43938	94359	203129	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DCB	Ave	27681 2610516	128732	322400	671305	1378545	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DCB	Lin1	8461 844222	41279	120304	222763	440132	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	114456 93654	105198	103409	98560	99664	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.: 480-41198-1 Analy Batch No.: 112223

SDG No.: _____

Instrument ID: HP5973Q GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/11/2013 11:47 Calibration End Date: 04/11/2013 14:40 Calibration ID: 13093

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	842271 676092	806246	765636	735067	722367	25.0 25.0	25.0	25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	262035 228306	251335	248764	241155	235775	25.0 25.0	25.0	25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6993.D
 Lims ID: IC Client ID:
 Inject. Date: 11-Apr-2013 11:47:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: IC
 Misc. Info.: 480-0020501-002
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 2
 Lims Batch ID: 112223 Lims Sample ID: 2
 Sublist: chrom-Q-8260*sub1
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q-8260.m
 Last Update: 11-Apr-2013 16:51:28 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK005

First Level Reviewer: BrandtT

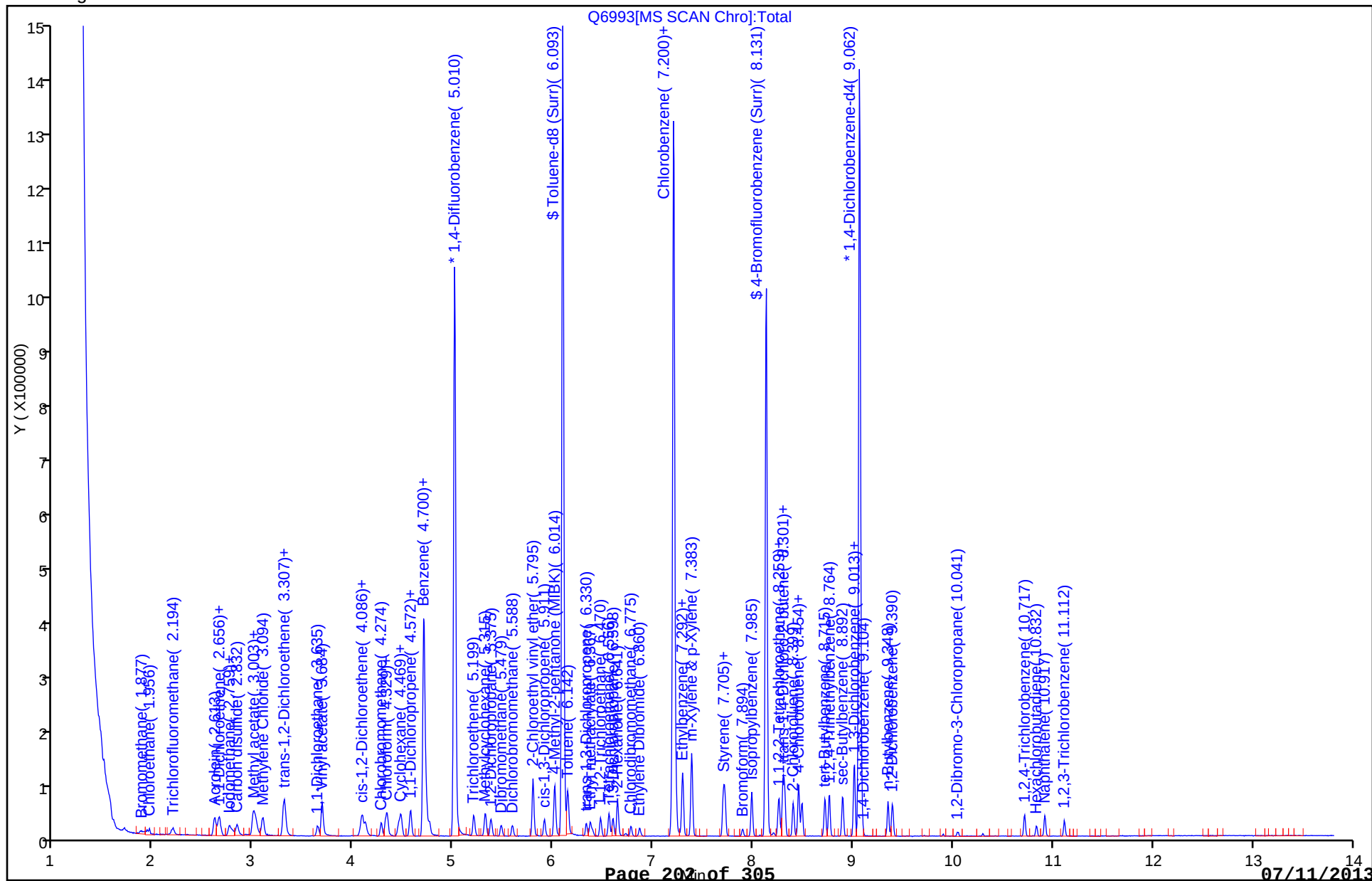
Date: 11-Apr-2013 16:51:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.010	5.010	0.0	94	755278	25.0	
* 2 Chlorobenzene-d5	82	7.200	7.200	0.0	83	347935	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.062	9.062	0.0	93	347771	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.706	4.700	0.006	90	114456	25.9	
\$ 5 Toluene-d8 (Surr)	98	6.093	6.093	0.0	93	842271	24.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.131	8.131	0.0	94	262035	23.8	
10 Dichlorodifluoromethane	85	1.354	1.360	-0.006	67	9850	0.9808	
12 Chloromethane	50	1.500	1.506	-0.006	82	15438	1.05	
13 Vinyl chloride	62	1.604	1.597	0.007	42	8614	0.9701	
14 Bromomethane	94	1.877	1.871	0.006	8	1530	4.00	
15 Chloroethane	64	1.950	1.956	-0.006	52	2695	0.8655	
17 Trichlorofluoromethane	101	2.188	2.187	0.001	54	11817	0.9517	
20 Acrolein	56	2.613	2.601	0.012	90	35164	19.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.656	2.650	0.006	32	8394	1.05	
22 1,1-Dichloroethene	96	2.656	2.656	0.0	86	8748	1.01	
23 Acetone	43	2.753	2.747	0.006	93	43811	5.73	
25 Iodomethane	142	2.784	2.790	-0.006	51	4110	1.51	
26 Carbon disulfide	76	2.832	2.832	0.0	95	26882	1.02	
29 Acetonitrile	40	2.997	2.990	0.007	100	35240	41.2	
27 Methyl acetate	43	3.021	3.009	0.012	93	15410	1.04	
30 Methylene Chloride	84	3.094	3.088	0.006	81	14436	1.28	
32 Methyl tert-butyl ether	73	3.301	3.295	0.006	82	26263	0.9444	
34 trans-1,2-Dichloroethene	96	3.295	3.301	-0.006	65	10219	1.05	
33 Acrylonitrile	53	3.313	3.313	0.0	98	22367	4.98	
39 1,1-Dichloroethane	63	3.635	3.641	-0.006	57	18663	1.02	
37 Vinyl acetate	43	3.684	3.678	0.006	96	84762	4.52	
44 2,2-Dichloropropane	77	4.073	4.073	0.0	69	9323	0.8426	
45 cis-1,2-Dichloroethene	96	4.092	4.092	0.0	73	12360	1.11	
43 2-Butanone (MEK)	43	4.122	4.104	0.018	96	31358	5.36	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.274	4.274	0.0	83	5755	0.99	
49 Tetrahydrofuran	42	4.317	4.304	0.013	89	19598	5.10	
50 Chloroform	83	4.335	4.335	0.0	85	17812	1.09	
51 1,1,1-Trichloroethane	97	4.451	4.450	0.001	75	12254	0.9528	
52 Cyclohexane	56	4.475	4.475	0.0	81	17170	1.01	
55 Carbon tetrachloride	117	4.566	4.566	0.0	57	9880	0.8975	
54 1,1-Dichloropropene	75	4.572	4.566	0.006	77	13817	1.04	
57 Benzene	78	4.724	4.724	0.0	58	42633	1.07	
58 1,2-Dichloroethane	62	4.761	4.761	0.0	61	13871	1.07	
62 Trichloroethene	95	5.205	5.199	0.006	80	10317	1.03	
64 Methylcyclohexane	83	5.315	5.314	0.0	79	14403	0.9887	
65 1,2-Dichloropropane	63	5.369	5.375	-0.006	73	11282	1.02	
67 Dibromomethane	93	5.473	5.473	0.001	75	6784	1.06	
68 Dichlorobromomethane	83	5.588	5.588	0.0	72	11372	0.9167	
69 2-Chloroethyl vinyl ether	63	5.795	5.795	0.0	88	37356	5.02	
72 cis-1,3-Dichloropropene	75	5.911	5.911	0.0	58	15475	0.9614	
73 4-Methyl-2-pentanone (MIBK)	43	6.014	6.008	0.006	94	58670	4.69	
74 Toluene	92	6.142	6.142	0.0	90	27710	1.06	
77 trans-1,3-Dichloropropene	75	6.330	6.330	0.0	69	10783	1.26	
75 Ethyl methacrylate	69	6.367	6.367	0.0	75	12426	0.8598	
79 1,1,2-Trichloroethane	83	6.470	6.470	0.0	70	7869	0.9596	
81 Tetrachloroethene	166	6.556	6.555	0.001	83	10281	0.9062	
82 1,3-Dichloropropane	76	6.592	6.598	-0.006	74	17357	0.9870	
80 2-Hexanone	43	6.641	6.634	0.007	93	40266	4.57	
83 Chlorodibromomethane	129	6.781	6.774	0.007	56	8916	0.8106	
84 Ethylene Dibromide	107	6.860	6.860	0.0	59	10076	0.9101	
87 Chlorobenzene	112	7.225	7.225	0.0	84	30562	1.00	
89 1,1,1,2-Tetrachloroethane	131	7.292	7.291	0.001	69	8998	0.9093	
88 Ethylbenzene	91	7.292	7.291	0.001	90	51142	1.08	
90 m-Xylene & p-Xylene	106	7.383	7.383	0.0	97	40204	2.08	
91 o-Xylene	106	7.699	7.699	0.0	91	19937	1.02	
92 Styrene	104	7.717	7.717	0.0	84	31798	0.9717	
95 Bromoform	173	7.894	7.894	0.0	76	5641	1.33	
94 Isopropylbenzene	105	7.985	7.985	0.0	87	48396	1.02	
101 Bromobenzene	156	8.253	8.253	0.0	85	13615	1.06	
97 1,1,2,2-Tetrachloroethane	83	8.259	8.259	0.0	59	12980	0.9857	
100 1,2,3-Trichloropropane	110	8.295	8.295	0.0	63	4207	1.04	
98 trans-1,4-Dichloro-2-butene	53	8.295	8.295	0.0	73	14900	4.63	
99 N-Propylbenzene	91	8.314	8.313	0.001	93	56443	1.06	
103 2-Chlorotoluene	126	8.399	8.399	0.0	89	12002	1.05	
102 1,3,5-Trimethylbenzene	105	8.454	8.453	0.001	79	39401	1.04	
105 4-Chlorotoluene	126	8.490	8.490	0.0	78	11738	1.00	
106 tert-Butylbenzene	134	8.721	8.715	0.006	76	9127	1.03	
107 1,2,4-Trimethylbenzene	105	8.764	8.758	0.006	83	39458	1.03	
109 sec-Butylbenzene	105	8.892	8.898	-0.006	77	47426	1.02	
111 1,3-Dichlorobenzene	146	9.013	9.013	0.0	70	25077	1.09	
110 4-Isopropyltoluene	119	9.013	9.013	0.0	90	39036	1.04	
113 1,4-Dichlorobenzene	146	9.086	9.086	0.0	73	24786	1.05	
115 n-Butylbenzene	91	9.348	9.348	0.0	86	30630	0.9853	
116 1,2-Dichlorobenzene	146	9.397	9.390	0.006	87	23823	1.05	
117 1,2-Dibromo-3-Chloropropane	75	10.054	10.047	0.007	13	1932	0.9379	
119 1,2,4-Trichlorobenzene	180	10.717	10.716	0.001	57	12775	0.9683	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.832	10.838	-0.006	30	3720	0.8515	
121 Naphthalene	128	10.917	10.917	0.0	73	27681	0.9092	
122 1,2,3-Trichlorobenzene	180	11.112	11.112	0.0	62	8461	0.9593	
S 123 Total BTEX	1				0		6.31	
S 124 Xylenes, Total	1				0		3.10	
S 125 1,2-Dichloroethene, Total	1				0		2.16	
S 126 1,3-Dichloropropene, Total	1				0		2.23	

Data File:	\\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6993.D		
Injection Date:	11-Apr-2013 11:47:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973Q
Lims Batch ID:	112223	Lims Sample ID:	2
Operator ID:	TRB	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm
Y Scaling:			



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6994.D
 Lims ID: IC 2 Client ID:
 Inject. Date: 11-Apr-2013 12:14:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: IC 2
 Misc. Info.: 480-0020501-003
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 3
 Lims Batch ID: 112223 Lims Sample ID: 3
 Sublist: chrom-Q-8260*sub1
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q-8260.m
 Last Update: 11-Apr-2013 16:51:30 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK005

First Level Reviewer: BrandtT

Date: 11-Apr-2013 16:51:30

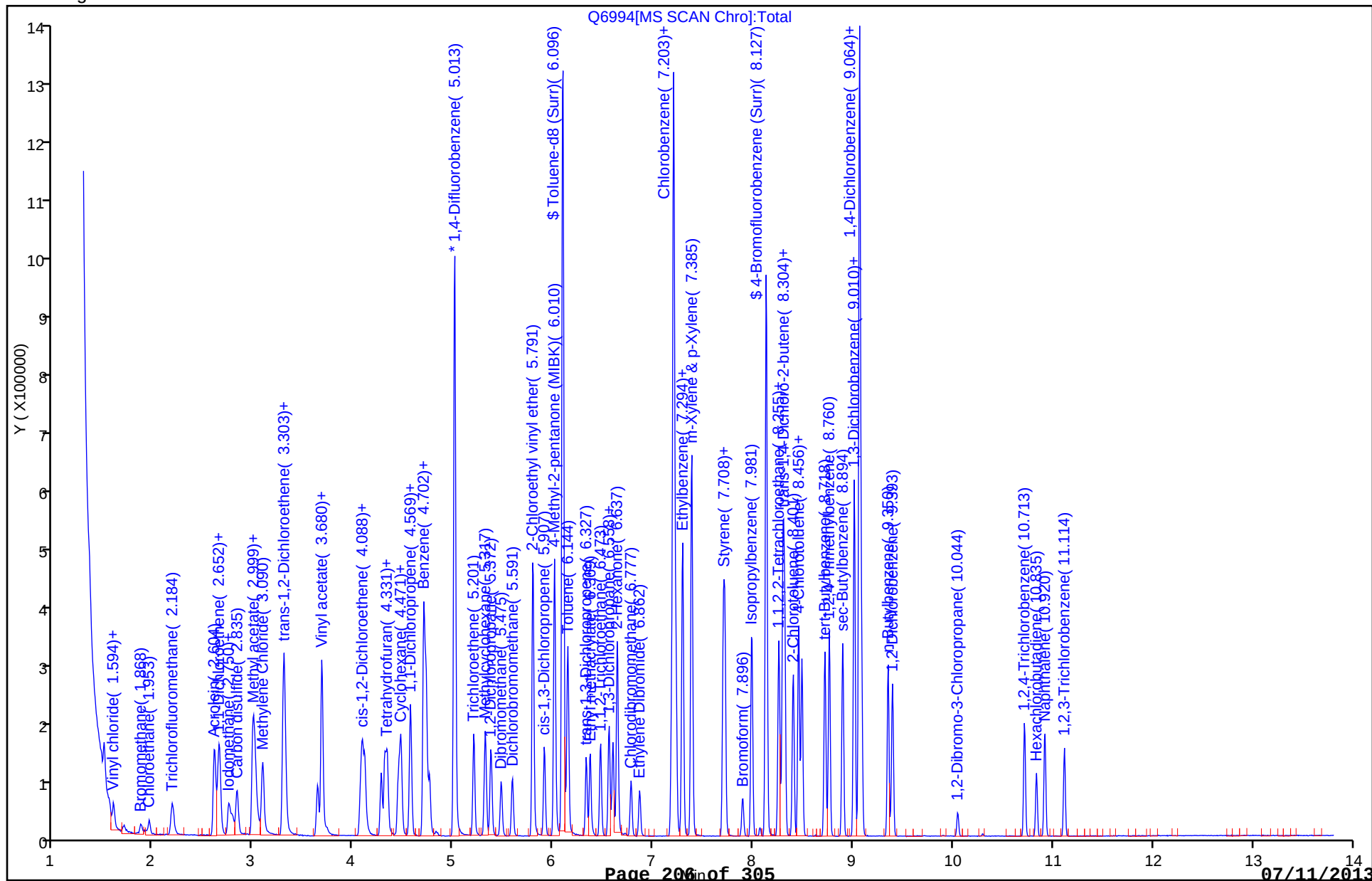
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.013	5.010	0.003	93	733730	25.0	
* 2 Chlorobenzene-d5	82	7.203	7.200	0.003	83	330989	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.064	9.062	0.002	92	336166	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.702	4.700	0.002	94	105198	24.5	
\$ 5 Toluene-d8 (Surr)	98	6.096	6.093	0.003	93	806246	24.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.127	8.131	-0.004	92	251335	24.0	
10 Dichlorodifluoromethane	85	1.357	1.360	-0.003	85	43841	4.49	
12 Chloromethane	50	1.503	1.506	-0.003	99	65509	4.57	
13 Vinyl chloride	62	1.600	1.597	0.003	87	39842	4.62	
14 Bromomethane	94	1.874	1.871	0.003	81	7796	6.03	
15 Chloroethane	64	1.953	1.956	-0.003	91	14010	4.63	
17 Trichlorofluoromethane	101	2.184	2.187	-0.003	93	56494	4.68	
20 Acrolein	56	2.604	2.601	0.003	92	157522	91.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.646	2.650	-0.004	54	32807	4.23	
22 1,1-Dichloroethene	96	2.652	2.656	-0.004	84	39664	4.71	
23 Acetone	43	2.756	2.747	0.009	99	95417	21.3	
25 Iodomethane	142	2.792	2.790	0.002	93	28859	3.78	
26 Carbon disulfide	76	2.835	2.832	0.003	98	111055	4.35	
29 Acetonitrile	40	2.993	2.990	0.003	100	160558	193.3	
27 Methyl acetate	43	3.011	3.009	0.002	97	72459	5.02	
30 Methylene Chloride	84	3.090	3.088	0.002	90	50866	4.64	
32 Methyl tert-butyl ether	73	3.297	3.295	0.002	91	125246	4.64	
34 trans-1,2-Dichloroethene	96	3.297	3.301	-0.004	91	45904	4.85	
33 Acrylonitrile	53	3.309	3.313	-0.004	98	103454	23.7	
39 1,1-Dichloroethane	63	3.638	3.641	-0.003	93	81851	4.59	
37 Vinyl acetate	43	3.680	3.678	0.002	97	414560	22.8	
44 2,2-Dichloropropane	77	4.076	4.073	0.003	83	45397	4.22	
45 cis-1,2-Dichloroethene	96	4.094	4.092	0.002	81	49656	4.59	
43 2-Butanone (MEK)	43	4.112	4.104	0.008	99	128492	22.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.277	4.274	0.003	93	26458	4.69	
49 Tetrahydrofuran	42	4.313	4.304	0.009	91	86283	23.1	
50 Chloroform	83	4.337	4.335	0.002	93	75228	4.73	
51 1,1,1-Trichloroethane	97	4.447	4.450	-0.003	94	55118	4.41	
52 Cyclohexane	56	4.471	4.475	-0.004	91	73024	4.41	
55 Carbon tetrachloride	117	4.569	4.566	0.003	70	46110	4.31	
54 1,1-Dichloropropene	75	4.569	4.566	0.003	93	60803	4.69	
57 Benzene	78	4.727	4.724	0.003	98	185306	4.79	
58 1,2-Dichloroethane	62	4.757	4.761	-0.004	92	60289	4.78	
62 Trichloroethene	95	5.201	5.199	0.002	90	45090	4.64	
64 Methylcyclohexane	83	5.317	5.314	0.003	92	61931	4.38	
65 1,2-Dichloropropane	63	5.372	5.375	-0.003	94	52482	4.88	
67 Dibromomethane	93	5.475	5.473	0.003	89	28941	4.64	
68 Dichlorobromomethane	83	5.591	5.588	0.003	97	55421	4.60	
69 2-Chloroethyl vinyl ether	63	5.791	5.795	-0.004	92	172532	23.9	
72 cis-1,3-Dichloropropene	75	5.907	5.911	-0.004	87	70354	4.50	
73 4-Methyl-2-pentanone (MIBK)	43	6.010	6.008	0.002	97	288676	24.2	
74 Toluene	92	6.144	6.142	0.002	97	115079	4.63	
77 trans-1,3-Dichloropropene	75	6.327	6.330	-0.003	90	58246	4.26	
75 Ethyl methacrylate	69	6.369	6.367	0.002	88	61633	4.48	
79 1,1,2-Trichloroethane	83	6.467	6.470	-0.003	85	37772	4.84	
81 Tetrachloroethene	166	6.558	6.555	0.003	94	51627	4.78	
82 1,3-Dichloropropane	76	6.594	6.598	-0.004	89	79739	4.77	
80 2-Hexanone	43	6.637	6.634	0.003	97	194938	23.3	
83 Chlorodibromomethane	129	6.777	6.774	0.003	85	44542	4.26	
84 Ethylene Dibromide	107	6.862	6.860	0.002	93	48564	4.61	
87 Chlorobenzene	112	7.227	7.225	0.002	88	136282	4.69	
89 1,1,1,2-Tetrachloroethane	131	7.288	7.291	-0.003	88	42305	4.49	
88 Ethylbenzene	91	7.294	7.291	0.003	98	212823	4.74	
90 m-Xylene & p-Xylene	106	7.385	7.383	0.002	97	179825	9.77	
91 o-Xylene	106	7.702	7.699	0.003	94	86685	4.66	
92 Styrene	104	7.714	7.717	-0.003	95	147434	4.74	
95 Bromoform	173	7.896	7.894	0.002	93	29487	4.26	
94 Isopropylbenzene	105	7.988	7.985	0.003	93	220526	4.79	
101 Bromobenzene	156	8.255	8.253	0.002	92	58761	4.72	
97 1,1,2,2-Tetrachloroethane	83	8.261	8.259	0.002	89	63082	4.96	
100 1,2,3-Trichloropropane	110	8.292	8.295	-0.003	78	18514	4.74	
98 trans-1,4-Dichloro-2-butene	53	8.298	8.295	0.003	85	72360	23.2	
99 N-Propylbenzene	91	8.316	8.313	0.003	95	249953	4.87	
103 2-Chlorotoluene	126	8.401	8.399	0.002	97	52616	4.75	
102 1,3,5-Trimethylbenzene	105	8.456	8.453	0.003	79	172572	4.73	
105 4-Chlorotoluene	126	8.486	8.490	-0.004	94	55615	4.90	
106 tert-Butylbenzene	134	8.718	8.715	0.003	88	39863	4.67	
107 1,2,4-Trimethylbenzene	105	8.760	8.758	0.002	96	175950	4.77	
109 sec-Butylbenzene	105	8.894	8.898	-0.004	92	211512	4.72	
111 1,3-Dichlorobenzene	146	9.010	9.013	-0.003	75	105474	4.75	
110 4-Isopropyltoluene	119	9.010	9.013	-0.003	96	177874	4.88	
113 1,4-Dichlorobenzene	146	9.083	9.086	-0.003	93	109675	4.79	
115 n-Butylbenzene	91	9.350	9.348	0.002	95	141056	4.69	
116 1,2-Dichlorobenzene	146	9.393	9.390	0.003	97	103586	4.70	
117 1,2-Dibromo-3-Chloropropane	75	10.044	10.047	-0.003	63	8195	4.12	
119 1,2,4-Trichlorobenzene	180	10.713	10.716	-0.003	92	56438	4.43	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.835	10.838	-0.003	84	20091	4.76	
121 Naphthalene	128	10.920	10.917	0.003	95	128732	4.37	
122 1,2,3-Trichlorobenzene	180	11.114	11.112	0.002	93	41279	4.25	
S 123 Total BTEX	1				0		28.6	
S 124 Xylenes, Total	1				0		14.4	
S 125 1,2-Dichloroethene, Total	1				0		9.44	
S 126 1,3-Dichloropropene, Total	1				0		8.76	

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6994.D
Injection Date: 11-Apr-2013 12:14:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973Q
Lims Batch ID: 112223 Lims Sample ID: 3
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm
Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6995.D
 Lims ID: IC 3 Client ID:
 Inject. Date: 11-Apr-2013 13:18:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: IC 3
 Misc. Info.: 480-0020501-004
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 4
 Lims Batch ID: 112223 Lims Sample ID: 4
 Sublist: chrom-Q-8260*sub1
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q-8260.m
 Last Update: 11-Apr-2013 16:51:33 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK005

First Level Reviewer: BrandtT

Date: 11-Apr-2013 16:51:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.011	5.010	0.001	93	691443	25.0	
* 2 Chlorobenzene-d5	82	7.201	7.200	0.001	84	315202	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.062	9.062	0.0	92	325065	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.701	4.700	0.001	97	103409	25.5	
\$ 5 Toluene-d8 (Surr)	98	6.094	6.093	0.001	93	765636	24.8	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.132	8.131	0.001	94	248764	24.9	
10 Dichlorodifluoromethane	85	1.355	1.360	-0.005	98	94749	10.3	
12 Chloromethane	50	1.495	1.506	-0.011	88	131494	9.74	
13 Vinyl chloride	62	1.592	1.597	-0.005	96	82378	10.1	
14 Bromomethane	94	1.866	1.871	-0.005	90	19794	10.3	
15 Chloroethane	64	1.945	1.956	-0.011	92	27010	9.47	
17 Trichlorofluoromethane	101	2.176	2.187	-0.011	85	106256	9.35	
20 Acrolein	56	2.602	2.601	0.001	95	326072	200.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.644	2.650	-0.006	76	74682	10.2	
22 1,1-Dichloroethene	96	2.651	2.656	-0.005	93	83433	10.5	
23 Acetone	43	2.748	2.747	0.001	100	182831	50.4	
25 Iodomethane	142	2.784	2.790	-0.006	94	69939	7.93	
26 Carbon disulfide	76	2.827	2.832	-0.005	99	238279	9.91	
29 Acetonitrile	40	2.991	2.990	0.001	99	318691	407.1	
27 Methyl acetate	43	3.009	3.009	0.0	96	134018	9.85	
30 Methylene Chloride	84	3.089	3.088	0.001	89	103126	9.99	
32 Methyl tert-butyl ether	73	3.295	3.295	0.0	91	259390	10.2	
34 trans-1,2-Dichloroethene	96	3.295	3.301	-0.006	70	93988	10.5	
33 Acrylonitrile	53	3.314	3.313	0.001	98	215331	52.4	
39 1,1-Dichloroethane	63	3.636	3.641	-0.005	96	172224	10.2	
37 Vinyl acetate	43	3.679	3.678	0.001	97	906301	52.8	
44 2,2-Dichloropropane	77	4.068	4.073	-0.005	90	100502	9.92	
45 cis-1,2-Dichloroethene	96	4.086	4.092	-0.006	83	102858	10.1	
43 2-Butanone (MEK)	43	4.111	4.104	0.007	95	266573	49.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.275	4.274	0.001	96	54234	10.2	
49 Tetrahydrofuran	42	4.305	4.304	0.001	92	177441	50.5	
50 Chloroform	83	4.336	4.335	0.001	81	151119	10.1	
51 1,1,1-Trichloroethane	97	4.445	4.450	-0.005	92	119211	10.1	
52 Cyclohexane	56	4.469	4.475	-0.006	91	157981	10.1	
55 Carbon tetrachloride	117	4.567	4.566	0.001	89	102287	10.2	
54 1,1-Dichloropropene	75	4.567	4.566	0.001	94	126304	10.3	
57 Benzene	78	4.725	4.724	0.001	97	371058	10.2	
58 1,2-Dichloroethane	62	4.755	4.761	-0.006	85	121583	10.2	
62 Trichloroethene	95	5.199	5.199	0.0	95	91773	10.0	
64 Methylcyclohexane	83	5.315	5.314	0.001	91	130811	9.81	
65 1,2-Dichloropropane	63	5.370	5.375	-0.005	96	104564	10.3	
67 Dibromomethane	93	5.473	5.473	0.001	86	60428	10.3	
68 Dichlorobromomethane	83	5.589	5.588	0.001	98	113875	10.0	
69 2-Chloroethyl vinyl ether	63	5.790	5.795	-0.005	92	364136	53.5	
72 cis-1,3-Dichloropropene	75	5.905	5.911	-0.006	90	149490	10.1	
73 4-Methyl-2-pentanone (MIBK)	43	6.009	6.008	0.001	97	575419	50.7	
74 Toluene	92	6.142	6.142	0.0	97	235752	9.97	
77 trans-1,3-Dichloropropene	75	6.325	6.330	-0.005	94	128590	9.05	
75 Ethyl methacrylate	69	6.368	6.367	0.001	91	128220	9.79	
79 1,1,2-Trichloroethane	83	6.471	6.470	0.001	90	73731	9.92	
81 Tetrachloroethene	166	6.556	6.555	0.001	90	101930	9.92	
82 1,3-Dichloropropane	76	6.593	6.598	-0.005	90	162425	10.2	
80 2-Hexanone	43	6.635	6.634	0.001	97	409664	51.4	
83 Chlorodibromomethane	129	6.775	6.774	0.001	91	98591	9.89	
84 Ethylene Dibromide	107	6.860	6.860	0.0	97	98419	9.81	
87 Chlorobenzene	112	7.225	7.225	0.0	88	280598	10.1	
89 1,1,1,2-Tetrachloroethane	131	7.286	7.291	-0.005	89	88252	9.84	
88 Ethylbenzene	91	7.292	7.291	0.001	98	435622	10.2	
90 m-Xylene & p-Xylene	106	7.383	7.383	0.0	97	363844	20.8	
91 o-Xylene	106	7.700	7.699	0.001	94	179557	10.1	
92 Styrene	104	7.712	7.717	-0.005	96	305718	10.3	
95 Bromoform	173	7.894	7.894	0.0	96	63134	8.74	
94 Isopropylbenzene	105	7.986	7.985	0.001	95	443134	9.95	
101 Bromobenzene	156	8.253	8.253	0.0	94	120452	10.0	
97 1,1,2,2-Tetrachloroethane	83	8.259	8.259	0.0	95	125841	10.2	
100 1,2,3-Trichloropropane	110	8.296	8.295	0.001	75	39234	10.4	
98 trans-1,4-Dichloro-2-butene	53	8.296	8.295	0.001	84	153876	51.1	
99 N-Propylbenzene	91	8.314	8.313	0.001	95	516985	10.4	
103 2-Chlorotoluene	126	8.399	8.399	0.0	97	108136	10.1	
102 1,3,5-Trimethylbenzene	105	8.454	8.453	0.001	77	358152	10.1	
105 4-Chlorotoluene	126	8.485	8.490	-0.005	95	111770	10.2	
106 tert-Butylbenzene	134	8.716	8.715	0.001	90	81745	9.90	
107 1,2,4-Trimethylbenzene	105	8.758	8.758	0.0	96	367508	10.3	
109 sec-Butylbenzene	105	8.892	8.898	-0.006	91	440069	10.2	
111 1,3-Dichlorobenzene	146	9.008	9.013	-0.005	77	224709	10.5	
110 4-Isopropyltoluene	119	9.014	9.013	0.001	96	363688	10.3	
113 1,4-Dichlorobenzene	146	9.081	9.086	-0.005	93	223187	10.1	
115 n-Butylbenzene	91	9.348	9.348	0.0	93	294803	10.1	
116 1,2-Dichlorobenzene	146	9.391	9.390	0.001	98	217417	10.2	
117 1,2-Dibromo-3-Chloropropane	75	10.048	10.047	0.001	74	18924	9.83	
119 1,2,4-Trichlorobenzene	180	10.717	10.716	0.001	93	134594	10.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.833	10.838	-0.005	92	43938	10.8	
121 Naphthalene	128	10.918	10.917	0.001	97	322400	11.3	
122 1,2,3-Trichlorobenzene	180	11.113	11.112	0.001	96	120304	12.5	
S 123 Total BTEX	1				0		61.2	
S 124 Xylenes, Total	1				0		30.9	
S 125 1,2-Dichloroethene, Total	1				0		20.6	
S 126 1,3-Dichloropropene, Total	1				0		19.2	

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6995.D

Injection Date: 11-Apr-2013 13:18:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973Q

Lims Batch ID: 112223

Lims Sample ID: 4

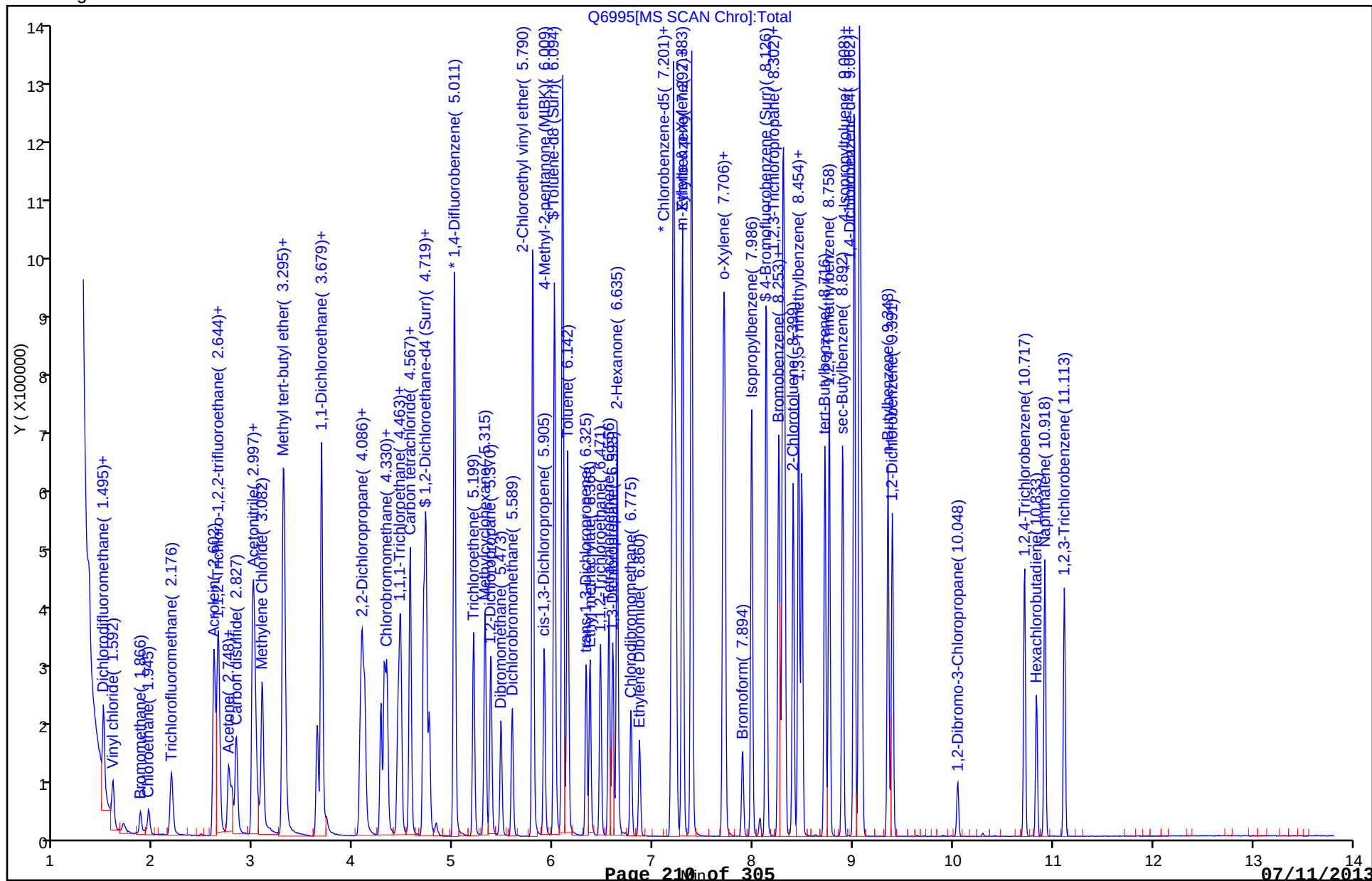
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6996.D
 Lims ID: ICIS 4 Client ID:
 Inject. Date: 11-Apr-2013 13:45:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 4
 Sample ID: ICIS 4
 Misc. Info.: 480-0020501-005
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 5
 Lims Batch ID: 112223 Lims Sample ID: 5
 Sublist: chrom-Q-8260*sub1
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q-8260.m
 Last Update: 11-Apr-2013 16:51:36 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK005

First Level Reviewer: BrandtT

Date: 11-Apr-2013 16:51:36

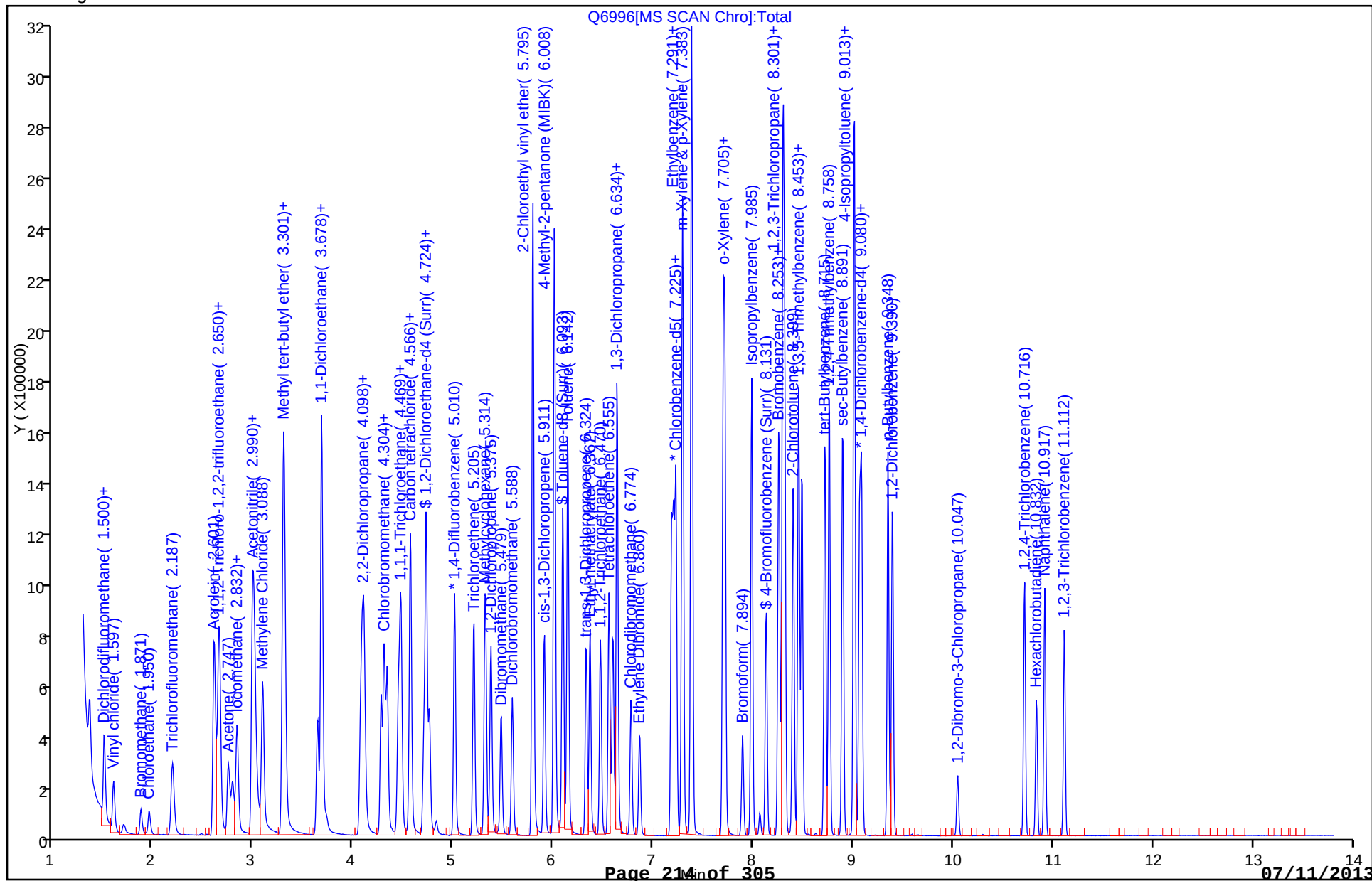
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.010	5.010	0.0	93	695703	25.0	
* 2 Chlorobenzene-d5	82	7.200	7.200	0.0	84	304148	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.062	9.062	0.0	73	313380	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.700	4.700	0.0	93	98560	24.2	
\$ 5 Toluene-d8 (Surr)	98	6.093	6.093	0.0	92	735067	24.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.131	8.131	0.0	95	241155	25.1	
10 Dichlorodifluoromethane	85	1.360	1.360	0.0	98	223689	24.2	
12 Chloromethane	50	1.506	1.506	0.0	89	345376	25.4	
13 Vinyl chloride	62	1.597	1.597	0.0	98	204178	25.0	
14 Bromomethane	94	1.871	1.871	0.0	90	55218	22.2	
15 Chloroethane	64	1.956	1.956	0.0	93	71131	24.8	
17 Trichlorofluoromethane	101	2.187	2.187	0.0	96	288642	25.2	
20 Acrolein	56	2.601	2.601	0.0	95	828111	505.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.650	2.650	0.0	82	187248	25.5	
22 1,1-Dichloroethene	96	2.656	2.656	0.0	93	198048	24.8	
23 Acetone	43	2.747	2.747	0.0	100	413799	122.0	
25 Iodomethane	142	2.790	2.790	0.0	96	216599	22.0	
26 Carbon disulfide	76	2.832	2.832	0.0	99	610807	25.2	
29 Acetonitrile	40	2.990	2.990	0.0	99	798403	1013.7	
27 Methyl acetate	43	3.009	3.009	0.0	99	342263	25.0	
30 Methylene Chloride	84	3.088	3.088	0.0	94	237994	22.9	
32 Methyl tert-butyl ether	73	3.295	3.295	0.0	90	654214	25.5	
34 trans-1,2-Dichloroethene	96	3.301	3.301	0.0	98	223187	24.9	
33 Acrylonitrile	53	3.313	3.313	0.0	98	533858	129.1	
39 1,1-Dichloroethane	63	3.641	3.641	0.0	96	420674	24.9	
37 Vinyl acetate	43	3.678	3.678	0.0	97	2243274	130.0	
44 2,2-Dichloropropane	77	4.073	4.073	0.0	89	264072	25.9	
45 cis-1,2-Dichloroethene	96	4.092	4.092	0.0	82	253833	24.7	
43 2-Butanone (MEK)	43	4.104	4.104	0.0	94	695218	129.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.274	4.274	0.0	96	135004	25.3	
49 Tetrahydrofuran	42	4.304	4.304	0.0	91	457104	129.2	
50 Chloroform	83	4.335	4.335	0.0	86	372112	24.7	
51 1,1,1-Trichloroethane	97	4.450	4.450	0.0	93	298975	25.2	
52 Cyclohexane	56	4.475	4.475	0.0	91	406970	25.9	
55 Carbon tetrachloride	117	4.566	4.566	0.0	81	255446	25.2	
54 1,1-Dichloropropene	75	4.566	4.566	0.0	94	309971	25.2	
57 Benzene	78	4.724	4.724	0.0	97	912997	24.9	
58 1,2-Dichloroethane	62	4.761	4.761	0.0	87	291001	24.3	
62 Trichloroethene	95	5.199	5.199	0.0	93	232828	25.3	
64 Methylcyclohexane	83	5.314	5.314	0.0	92	351249	26.2	
65 1,2-Dichloropropane	63	5.375	5.375	0.0	95	254351	25.0	
67 Dibromomethane	93	5.473	5.473	0.0	92	146533	24.8	
68 Dichlorobromomethane	83	5.588	5.588	0.0	99	291804	25.5	
69 2-Chloroethyl vinyl ether	63	5.795	5.795	0.0	91	907559	132.5	
72 cis-1,3-Dichloropropene	75	5.911	5.911	0.0	91	382096	25.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.008	6.008	0.0	97	1441645	131.7	
74 Toluene	92	6.142	6.142	0.0	98	571382	25.0	
77 trans-1,3-Dichloropropene	75	6.330	6.330	0.0	89	343176	23.9	
75 Ethyl methacrylate	69	6.367	6.367	0.0	90	336844	26.7	
79 1,1,2-Trichloroethane	83	6.470	6.470	0.0	86	181465	25.3	
81 Tetrachloroethene	166	6.555	6.555	0.0	98	251002	25.3	
82 1,3-Dichloropropane	76	6.598	6.598	0.0	88	392226	25.5	
80 2-Hexanone	43	6.634	6.634	0.0	98	1043021	135.5	
83 Chlorodibromomethane	129	6.774	6.774	0.0	88	252567	26.3	
84 Ethylene Dibromide	107	6.860	6.860	0.0	97	253795	26.2	
87 Chlorobenzene	112	7.225	7.225	0.0	95	677202	25.4	
89 1,1,1,2-Tetrachloroethane	131	7.291	7.291	0.0	89	228708	26.4	
88 Ethylbenzene	91	7.291	7.291	0.0	98	1043659	25.3	
90 m-Xylene & p-Xylene	106	7.383	7.383	0.0	97	860318	50.9	
91 o-Xylene	106	7.699	7.699	0.0	95	439026	25.7	
92 Styrene	104	7.717	7.717	0.0	96	739010	25.8	
95 Bromoform	173	7.894	7.894	0.0	98	169072	23.1	
94 Isopropylbenzene	105	7.985	7.985	0.0	95	1076825	25.1	
101 Bromobenzene	156	8.253	8.253	0.0	92	288224	24.8	
97 1,1,2,2-Tetrachloroethane	83	8.259	8.259	0.0	94	304091	25.6	
100 1,2,3-Trichloropropane	110	8.295	8.295	0.0	76	92207	25.3	
98 trans-1,4-Dichloro-2-butene	53	8.295	8.295	0.0	90	391093	134.8	
99 N-Propylbenzene	91	8.313	8.313	0.0	94	1207048	25.2	
103 2-Chlorotoluene	126	8.399	8.399	0.0	97	258114	25.0	
102 1,3,5-Trimethylbenzene	105	8.453	8.453	0.0	84	859279	25.3	
105 4-Chlorotoluene	126	8.490	8.490	0.0	95	269539	25.5	
106 tert-Butylbenzene	134	8.715	8.715	0.0	87	201700	25.3	
107 1,2,4-Trimethylbenzene	105	8.758	8.758	0.0	96	857789	24.9	
109 sec-Butylbenzene	105	8.898	8.898	0.0	93	1050442	25.2	
111 1,3-Dichlorobenzene	146	9.013	9.013	0.0	75	517582	25.0	
110 4-Isopropyltoluene	119	9.013	9.013	0.0	97	857458	25.2	
113 1,4-Dichlorobenzene	146	9.086	9.086	0.0	97	528581	24.7	
115 n-Butylbenzene	91	9.348	9.348	0.0	96	705057	25.2	
116 1,2-Dichlorobenzene	146	9.390	9.390	0.0	98	511295	24.9	
117 1,2-Dibromo-3-Chloropropane	75	10.047	10.047	0.0	87	47886	25.8	
119 1,2,4-Trichlorobenzene	180	10.716	10.716	0.0	93	293142	24.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.838	10.838	0.0	95	94359	24.0	
121 Naphthalene	128	10.917	10.917	0.0	97	671305	24.5	
122 1,2,3-Trichlorobenzene	180	11.112	11.112	0.0	97	222763	23.9	
S 123 Total BTEX	1				0		151.8	
S 124 Xylenes, Total	1				0		76.5	
S 125 1,2-Dichloroethene, Total	1				0		49.6	
S 126 1,3-Dichloropropene, Total	1				0		49.7	

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6996.D
Injection Date: 11-Apr-2013 13:45:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973Q
Lims Batch ID: 112223 Lims Sample ID: 5
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm
Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6997.D
 Lims ID: IC 5 Client ID:
 Inject. Date: 11-Apr-2013 14:13:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: IC 5
 Misc. Info.: 480-0020501-006
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 6
 Lims Batch ID: 112223 Lims Sample ID: 6
 Sublist: chrom-Q-8260*sub1
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q-8260.m
 Last Update: 11-Apr-2013 16:51:38 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK005

First Level Reviewer: BrandtT

Date: 11-Apr-2013 16:51:38

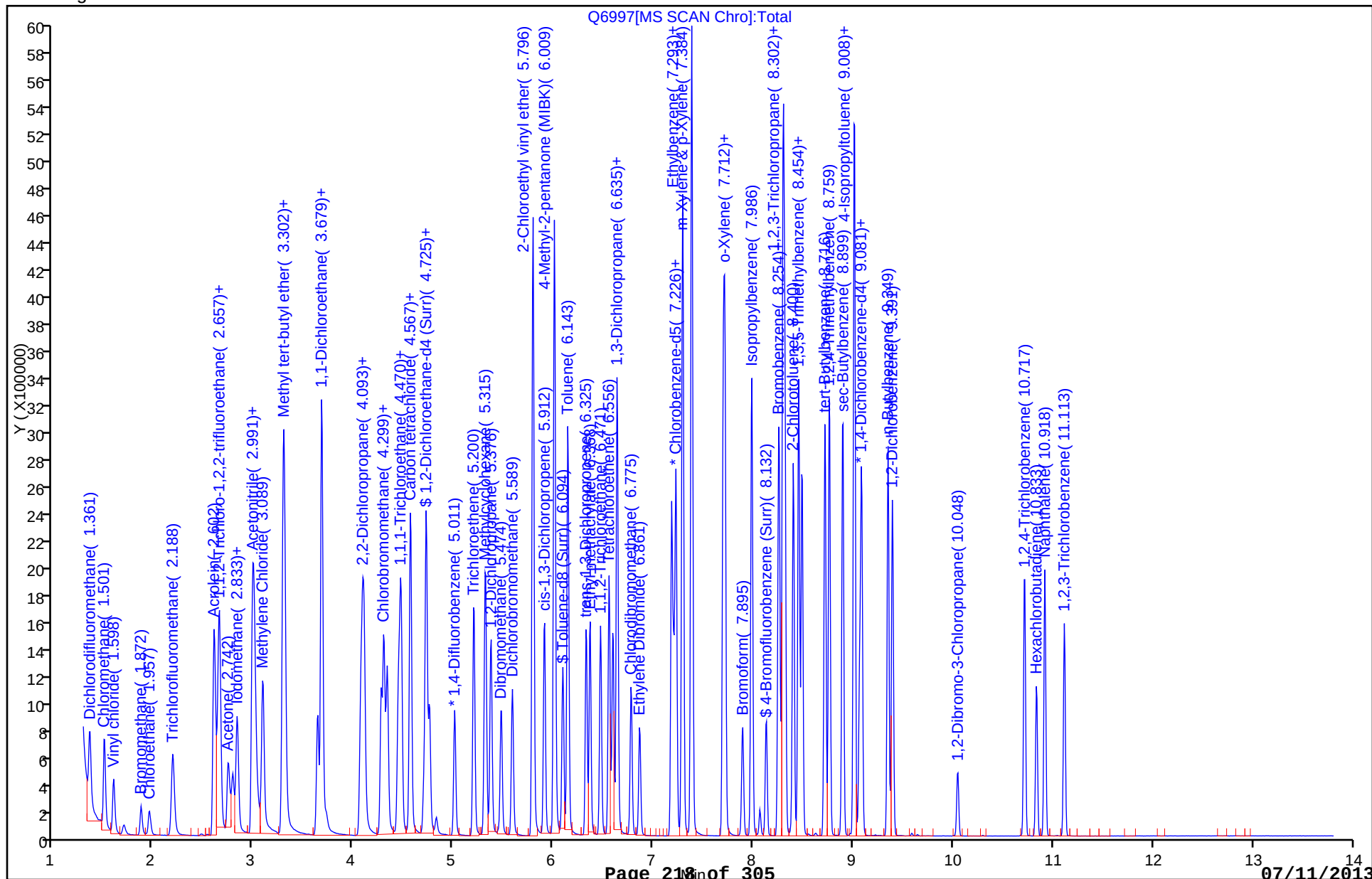
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.011	5.010	0.001	94	677434	25.0	
* 2 Chlorobenzene-d5	82	7.201	7.200	0.001	84	293173	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.063	9.062	0.001	66	301608	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.701	4.700	0.001	95	99664	25.1	
\$ 5 Toluene-d8 (Surr)	98	6.094	6.093	0.001	92	722367	25.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.132	8.131	0.001	95	235775	25.4	
10 Dichlorodifluoromethane	85	1.361	1.360	0.001	88	478991	53.2	
12 Chloromethane	50	1.507	1.506	0.001	89	672414	50.8	
13 Vinyl chloride	62	1.598	1.597	0.001	82	420890	52.8	
14 Bromomethane	94	1.872	1.871	0.001	92	121973	45.9	
15 Chloroethane	64	1.957	1.956	0.001	95	156006	55.9	
17 Trichlorofluoromethane	101	2.188	2.187	0.001	98	599415	53.8	
20 Acrolein	56	2.602	2.601	0.001	95	1690275	1059.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.651	2.650	0.001	81	375950	52.5	
22 1,1-Dichloroethene	96	2.657	2.656	0.001	99	393853	50.7	
23 Acetone	43	2.748	2.747	0.001	100	812201	252.9	
25 Iodomethane	142	2.791	2.790	0.001	96	497247	50.4	
26 Carbon disulfide	76	2.833	2.832	0.001	99	1253620	53.2	
29 Acetonitrile	40	2.991	2.990	0.001	99	1540985	2009.2	
27 Methyl acetate	43	3.010	3.009	0.001	97	663273	49.8	
30 Methylene Chloride	84	3.089	3.088	0.001	89	482179	47.7	
32 Methyl tert-butyl ether	73	3.290	3.295	-0.005	91	1316652	52.8	
34 trans-1,2-Dichloroethene	96	3.296	3.301	-0.005	95	435982	49.9	
33 Acrylonitrile	53	3.314	3.313	0.001	99	1024616	254.5	
39 1,1-Dichloroethane	63	3.642	3.641	0.001	96	836121	50.8	
37 Vinyl acetate	43	3.679	3.678	0.001	97	4490275	267.2	
44 2,2-Dichloropropane	77	4.074	4.073	0.001	89	557873	56.2	
45 cis-1,2-Dichloroethene	96	4.093	4.092	0.001	82	501146	50.2	
43 2-Butanone (MEK)	43	4.105	4.104	0.001	94	1348696	257.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.275	4.274	0.001	97	266913	51.3	
49 Tetrahydrofuran	42	4.299	4.304	-0.005	92	882950	256.4	
50 Chloroform	83	4.336	4.335	0.001	93	724304	49.3	
51 1,1,1-Trichloroethane	97	4.445	4.450	-0.005	93	618124	53.6	
52 Cyclohexane	56	4.476	4.475	0.001	91	811573	53.1	
55 Carbon tetrachloride	117	4.567	4.566	0.001	86	544792	55.2	
54 1,1-Dichloropropene	75	4.567	4.566	0.001	96	609223	50.9	
57 Benzene	78	4.725	4.724	0.001	97	1777853	49.8	
58 1,2-Dichloroethane	62	4.762	4.761	0.001	94	577081	49.6	
62 Trichloroethene	95	5.200	5.199	0.001	95	458775	51.1	
64 Methylcyclohexane	83	5.321	5.314	0.007	92	705531	54.0	
65 1,2-Dichloropropane	63	5.376	5.375	0.001	96	494242	49.8	
67 Dibromomethane	93	5.474	5.473	0.002	87	289263	50.2	
68 Dichlorobromomethane	83	5.589	5.588	0.001	93	593625	53.4	
69 2-Chloroethyl vinyl ether	63	5.796	5.795	0.001	92	1688735	253.2	
72 cis-1,3-Dichloropropene	75	5.912	5.911	0.001	90	753891	52.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.009	6.008	0.001	97	2748220	260.5	
74 Toluene	92	6.143	6.142	0.001	98	1116087	50.7	
77 trans-1,3-Dichloropropene	75	6.325	6.330	-0.005	90	694571	49.6	
75 Ethyl methacrylate	69	6.368	6.367	0.001	90	674029	55.4	
79 1,1,2-Trichloroethane	83	6.471	6.470	0.001	91	356316	51.6	
81 Tetrachloroethene	166	6.556	6.555	0.001	98	508821	53.2	
82 1,3-Dichloropropane	76	6.599	6.598	0.001	87	746426	50.4	
80 2-Hexanone	43	6.635	6.634	0.001	97	1936923	261.1	
83 Chlorodibromomethane	129	6.775	6.774	0.001	89	523720	56.5	
84 Ethylene Dibromide	107	6.861	6.860	0.001	97	493604	52.9	
87 Chlorobenzene	112	7.226	7.225	0.001	89	1306905	50.8	
89 1,1,1,2-Tetrachloroethane	131	7.293	7.291	0.001	89	445801	53.5	
88 Ethylbenzene	91	7.293	7.291	0.001	98	1988210	50.0	
90 m-Xylene & p-Xylene	106	7.384	7.383	0.001	97	1623413	99.6	
91 o-Xylene	106	7.700	7.699	0.001	95	842742	51.2	
92 Styrene	104	7.718	7.717	0.001	96	1421712	51.6	
95 Bromoform	173	7.895	7.894	0.001	98	351429	48.9	
94 Isopropylbenzene	105	7.986	7.985	0.001	95	2123248	51.4	
101 Bromobenzene	156	8.254	8.253	0.001	90	562878	50.3	
97 1,1,2,2-Tetrachloroethane	83	8.260	8.259	0.001	93	583016	51.1	
100 1,2,3-Trichloropropane	110	8.296	8.295	0.001	75	175793	50.2	
98 trans-1,4-Dichloro-2-butene	53	8.296	8.295	0.001	94	739843	264.9	
99 N-Propylbenzene	91	8.315	8.313	0.002	93	2301386	50.0	
103 2-Chlorotoluene	126	8.400	8.399	0.001	97	504669	50.8	
102 1,3,5-Trimethylbenzene	105	8.454	8.453	0.001	74	1660348	50.7	
105 4-Chlorotoluene	126	8.491	8.490	0.001	95	514510	50.5	
106 tert-Butylbenzene	134	8.716	8.715	0.001	91	394810	51.5	
107 1,2,4-Trimethylbenzene	105	8.759	8.758	0.001	96	1671086	50.5	
109 sec-Butylbenzene	105	8.899	8.898	0.001	93	2050899	51.0	
111 1,3-Dichlorobenzene	146	9.014	9.013	0.001	74	979771	49.1	
110 4-Isopropyltoluene	119	9.014	9.013	0.001	97	1645664	50.3	
113 1,4-Dichlorobenzene	146	9.087	9.086	0.001	97	1034614	50.3	
115 n-Butylbenzene	91	9.349	9.348	0.001	97	1404010	52.1	
116 1,2-Dichlorobenzene	146	9.391	9.390	0.001	98	989666	50.1	
117 1,2-Dibromo-3-Chloropropane	75	10.042	10.047	-0.005	89	98251	55.0	
119 1,2,4-Trichlorobenzene	180	10.717	10.716	0.001	93	585775	51.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.833	10.838	-0.005	95	203129	53.6	
121 Naphthalene	128	10.918	10.917	0.001	97	1378545	52.2	
122 1,2,3-Trichlorobenzene	180	11.113	11.112	0.001	94	440132	48.9	
S 123 Total BTEX	1				0		301.2	
S 124 Xylenes, Total	1				0		150.7	
S 125 1,2-Dichloroethene, Total	1				0		100.1	
S 126 1,3-Dichloropropene, Total	1				0		101.8	

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6997.D
Injection Date: 11-Apr-2013 14:13:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973Q
Lims Batch ID: 112223 Lims Sample ID: 6
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm
Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Lims ID: IC 6 Client ID:
 Inject. Date: 11-Apr-2013 14:40:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: IC 6
 Misc. Info.: 480-0020501-007
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 7
 Lims Batch ID: 112223 Lims Sample ID: 7
 Sublist: chrom-Q-8260*sub1
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q-8260.m
 Last Update: 11-Apr-2013 16:51:41 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK005

First Level Reviewer: BrandtT

Date: 11-Apr-2013 16:51:41

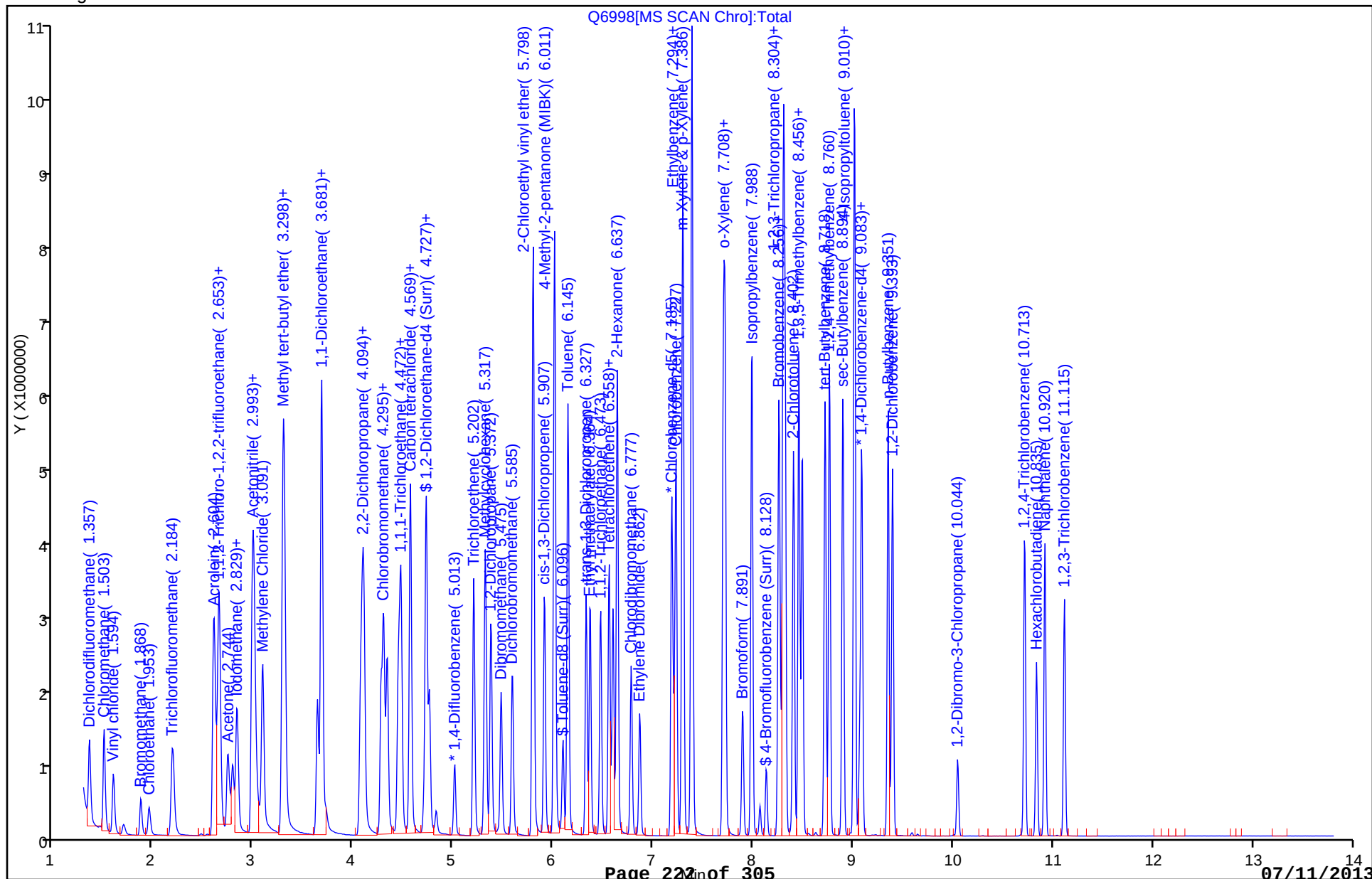
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.013	5.010	0.003	93	641815	25.0	
* 2 Chlorobenzene-d5	82	7.203	7.200	0.003	86	269807	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.065	9.062	0.003	61	281297	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.703	4.700	0.003	90	93654	24.9	
\$ 5 Toluene-d8 (Surr)	98	6.096	6.093	0.003	91	676092	25.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.134	8.131	0.003	96	228306	26.7	
10 Dichlorodifluoromethane	85	1.357	1.360	-0.003	99	903996	105.9	
12 Chloromethane	50	1.503	1.506	-0.003	89	1292024	103.1	
13 Vinyl chloride	62	1.594	1.597	-0.003	98	782882	103.7	
14 Bromomethane	94	1.868	1.871	-0.003	92	270652	102.7	
15 Chloroethane	64	1.953	1.956	-0.003	94	304770	115.2	
17 Trichlorofluoromethane	101	2.190	2.187	0.003	96	1151261	109.1	
20 Acrolein	56	2.604	2.601	0.003	95	3105352	2054.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.647	2.650	-0.003	89	686217	101.2	
22 1,1-Dichloroethene	96	2.653	2.656	-0.003	99	731363	99.3	
23 Acetone	43	2.744	2.747	-0.003	100	1509635	502.6	
25 Iodomethane	142	2.787	2.790	-0.004	96	996203	105.3	
26 Carbon disulfide	76	2.829	2.832	-0.003	99	2322641	104.1	
29 Acetonitrile	40	2.987	2.990	-0.003	99	2811517	3869.2	
27 Methyl acetate	43	3.005	3.009	-0.004	97	1234185	97.8	
30 Methylene Chloride	84	3.091	3.088	0.003	93	885690	92.4	
32 Methyl tert-butyl ether	73	3.291	3.295	-0.004	90	2439934	103.2	
34 trans-1,2-Dichloroethene	96	3.298	3.301	-0.003	94	775420	93.6	
33 Acrylonitrile	53	3.310	3.313	-0.003	98	1821053	477.5	
39 1,1-Dichloroethane	63	3.638	3.641	-0.003	85	1608459	103.1	
37 Vinyl acetate	43	3.681	3.678	0.003	97	8115478	509.7	
44 2,2-Dichloropropane	77	4.070	4.073	-0.003	90	1090331	116.0	
45 cis-1,2-Dichloroethene	96	4.088	4.092	-0.004	83	917164	96.9	
43 2-Butanone (MEK)	43	4.107	4.104	0.003	94	2398128	482.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.277	4.274	0.003	97	499780	101.3	
49 Tetrahydrofuran	42	4.301	4.304	-0.003	91	1606917	492.5	
50 Chloroform	83	4.338	4.335	0.003	94	1367813	98.3	
51 1,1,1-Trichloroethane	97	4.447	4.450	-0.003	93	1170860	107.1	
52 Cyclohexane	56	4.472	4.475	-0.003	92	1449261	100.0	
55 Carbon tetrachloride	117	4.563	4.566	-0.003	90	1041815	111.4	
54 1,1-Dichloropropene	75	4.569	4.566	0.003	95	1089200	96.1	
57 Benzene	78	4.727	4.724	0.003	97	3245194	96.0	
58 1,2-Dichloroethane	62	4.758	4.761	-0.003	91	1089624	98.8	
62 Trichloroethene	95	5.202	5.199	0.003	96	854879	100.6	
64 Methylcyclohexane	83	5.317	5.314	0.003	92	1272835	102.8	
65 1,2-Dichloropropane	63	5.372	5.375	-0.003	96	916185	97.5	
67 Dibromomethane	93	5.475	5.473	0.003	84	543466	99.5	
68 Dichlorobromomethane	83	5.585	5.588	-0.003	99	1130359	107.2	
69 2-Chloroethyl vinyl ether	63	5.798	5.795	0.003	93	2835586	448.7	
72 cis-1,3-Dichloropropene	75	5.907	5.911	-0.004	91	1435296	104.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.011	6.008	0.003	97	4772760	491.6	
74 Toluene	92	6.145	6.142	0.003	98	2019557	99.8	
77 trans-1,3-Dichloropropene	75	6.327	6.330	-0.003	93	1335657	102.9	
75 Ethyl methacrylate	69	6.370	6.367	0.003	91	1222077	109.1	
79 1,1,2-Trichloroethane	83	6.473	6.470	0.003	86	658582	103.6	
81 Tetrachloroethene	166	6.558	6.555	0.003	98	939994	106.8	
82 1,3-Dichloropropane	76	6.595	6.598	-0.003	88	1380175	101.2	
80 2-Hexanone	43	6.637	6.634	0.003	98	3405524	498.9	
83 Chlorodibromomethane	129	6.777	6.774	0.003	89	996266	116.8	
84 Ethylene Dibromide	107	6.862	6.860	0.002	98	926503	107.9	
87 Chlorobenzene	112	7.227	7.225	0.002	89	2401666	101.5	
89 1,1,1,2-Tetrachloroethane	131	7.288	7.291	-0.003	89	829146	108.1	
88 Ethylbenzene	91	7.294	7.291	0.003	98	3437412	93.9	
90 m-Xylene & p-Xylene	106	7.386	7.383	0.003	97	2804360	186.9	
91 o-Xylene	106	7.702	7.699	0.003	95	1491709	98.4	
92 Styrene	104	7.720	7.717	0.003	96	2500059	98.5	
95 Bromoform	173	7.891	7.894	-0.003	98	696704	104.7	
94 Isopropylbenzene	105	7.988	7.985	0.003	95	3853807	100.0	
101 Bromobenzene	156	8.256	8.253	0.003	88	1045014	100.2	
97 1,1,2,2-Tetrachloroethane	83	8.262	8.259	0.003	96	1016796	95.5	
100 1,2,3-Trichloropropane	110	8.292	8.295	-0.003	73	311349	95.3	
98 trans-1,4-Dichloro-2-butene	53	8.304	8.295	0.009	92	1281682	492.1	
99 N-Propylbenzene	91	8.316	8.313	0.003	95	3913109	91.1	
103 2-Chlorotoluene	126	8.402	8.399	0.003	97	907256	97.9	
102 1,3,5-Trimethylbenzene	105	8.456	8.453	0.003	73	2970867	97.3	
105 4-Chlorotoluene	126	8.493	8.490	0.003	95	926734	97.5	
106 tert-Butylbenzene	134	8.718	8.715	0.003	86	715706	100.1	
107 1,2,4-Trimethylbenzene	105	8.760	8.758	0.002	96	3016644	97.7	
109 sec-Butylbenzene	105	8.894	8.898	-0.004	93	3711981	99.0	
111 1,3-Dichlorobenzene	146	9.010	9.013	-0.003	76	1735852	93.3	
110 4-Isopropyltoluene	119	9.016	9.013	0.003	95	2871065	94.1	
113 1,4-Dichlorobenzene	146	9.083	9.086	-0.003	96	1905731	99.4	
115 n-Butylbenzene	91	9.351	9.348	0.003	97	2547148	101.3	
116 1,2-Dichlorobenzene	146	9.393	9.390	0.003	99	1832047	99.4	
117 1,2-Dibromo-3-Chloropropane	75	10.044	10.047	-0.003	91	187353	112.4	
119 1,2,4-Trichlorobenzene	180	10.719	10.716	0.003	91	1114993	104.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.835	10.838	-0.003	95	385224	109.0	
121 Naphthalene	128	10.920	10.917	0.003	96	2610516	106.0	
122 1,2,3-Trichlorobenzene	180	11.115	11.112	0.003	94	844222	100.5	
S 123 Total BTEX	1				0		574.9	
S 124 Xylenes, Total	1				0		285.3	
S 125 1,2-Dichloroethene, Total	1				0		190.6	
S 126 1,3-Dichloropropene, Total	1				0		207.8	

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
Injection Date: 11-Apr-2013 14:40:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973Q
Lims Batch ID: 112223 Lims Sample ID: 7
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm
Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Lab Sample ID: CCVIS 480-127701/3 Calibration Date: 07/07/2013 21:10

Instrument ID: HP5973Q Calib Start Date: 04/11/2013 11:47

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 04/11/2013 14:40

Lab File ID: Q9260.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	0.3324	0.2061		15.5	25.0	-38.0	50.0
Chloromethane	Ave	0.4881	0.3779	0.1000	19.4	25.0	-22.6	50.0
Vinyl chloride	Ave	0.2939	0.2427		20.6	25.0	-17.4	20.0
Bromomethane	Lin		0.0568		16.9	25.0	-32.5	50.0
Chloroethane	Ave	0.1031	0.1270		30.8	25.0	23.2	50.0
Trichlorofluoromethane	Ave	0.4110	0.4032		24.5	25.0	-1.9	50.0
Acrolein	Ave	0.0589	0.0252		214	500	-57.2*	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2642	0.2704		25.6	25.0	2.3	50.0
1,1-Dichloroethene	Ave	0.2870	0.2875	0.1000	25.0	25.0	0.2	20.0
Acetone	Lin1		0.1188		122	125	-2.6	50.0
Iodomethane	Lin1		0.2317		16.7	25.0	-33.2	50.0
Carbon disulfide	Ave	0.8693	0.8247		23.7	25.0	-5.1	50.0
Acetonitrile	Ave	0.0283	0.0293		1030	1000	3.5	50.0
Methyl acetate	Ave	0.4918	0.3470		17.6	25.0	-29.4	50.0
Methylene Chloride	Ave	0.3734	0.3349		22.4	25.0	-10.3	50.0
Methyl tert-butyl ether	Ave	0.9205	0.9497		25.8	25.0	3.2	50.0
trans-1,2-Dichloroethene	Ave	0.3226	0.3154		24.4	25.0	-2.2	50.0
Acrylonitrile	Ave	0.1486	0.1574		132	125	6.0	50.0
1,1-Dichloroethane	Ave	0.6078	0.5804		23.9	25.0	-4.5	50.0
Vinyl acetate	Ave	0.6202	0.7911		159	125	27.5	50.0
2,2-Dichloropropane	Ave	0.3662	0.4096		28.0	25.0	11.8	50.0
cis-1,2-Dichloroethene	Ave	0.3686	0.3665		24.9	25.0	-0.6	50.0
2-Butanone (MEK)	Ave	0.1935	0.1961		127	125	1.3	50.0
Bromochloromethane	Ave	0.1921	0.1920		25.0	25.0	-0.0	50.0
Tetrahydrofuran	Ave	0.1271	0.1303		128	125	2.5	50.0
Chloroform	Ave	0.5418	0.5281		24.4	25.0	-2.5	20.0
1,1,1-Trichloroethane	Ave	0.4257	0.4306		25.3	25.0	1.1	50.0
Cyclohexane	Ave	0.5643	0.5535		24.5	25.0	-1.9	50.0
Carbon tetrachloride	Ave	0.3644	0.3984		27.3	25.0	9.3	50.0
1,1-Dichloropropene	Ave	0.4413	0.4309		24.4	25.0	-2.4	50.0
Benzene	Ave	1.317	1.296		24.6	25.0	-1.6	50.0
1,2-Dichloroethane	Ave	0.4297	0.4088		23.8	25.0	-4.9	50.0
Trichloroethene	Ave	0.3311	0.3249		24.5	25.0	-1.9	50.0
Methylcyclohexane	Ave	0.4822	0.5399		28.0	25.0	12.0	50.0
1,2-Dichloropropane	Ave	0.3661	0.3623		24.7	25.0	-1.0	20.0
Dibromomethane	Ave	0.2127	0.2153		25.3	25.0	1.2	50.0
Bromodichloromethane	Ave	0.4106	0.4149		25.3	25.0	1.0	50.0
2-Chloroethyl vinyl ether	Ave	0.2461	0.2592		132	125	5.3	50.0
cis-1,3-Dichloropropene	Ave	0.5328	0.5585		26.2	25.0	4.8	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8997	0.9426		131	125	4.8	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Lab Sample ID: CCVIS 480-127701/3 Calibration Date: 07/07/2013 21:10

Instrument ID: HP5973Q Calib Start Date: 04/11/2013 11:47

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 04/11/2013 14:40

Lab File ID: Q9260.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	1.875	1.934		25.8	25.0	3.1	20.0
trans-1,3-Dichloropropene	Lin1		1.177		24.9	25.0	-0.2	50.0
Ethyl methacrylate	Ave	1.038	1.166		28.1	25.0	12.3	50.0
1,1,2-Trichloroethane	Ave	0.5892	0.6366		27.0	25.0	8.0	50.0
Tetrachloroethene	Ave	0.8152	0.8938		27.4	25.0	9.6	50.0
1,3-Dichloropropane	Ave	1.264	1.328		26.3	25.0	5.1	50.0
2-Hexanone	Ave	0.6325	0.6763		134	125	6.9	50.0
Dibromochloromethane	Ave	0.7904	0.9020		28.5	25.0	14.1	50.0
1,2-Dibromoethane	Ave	0.7955	0.8524		26.8	25.0	7.2	50.0
Chlorobenzene	Ave	2.194	2.340	0.3000	26.7	25.0	6.7	50.0
1,1,1,2-Tetrachloroethane	Ave	0.7110	0.8134		28.6	25.0	14.4	50.0
Ethylbenzene	Ave	3.392	3.489		25.7	25.0	2.9	20.0
m,p-Xylene	Ave	1.391	1.501		54.0	50.0	7.9	50.0
o-Xylene	Ave	1.405	1.498		26.7	25.0	6.6	50.0
Styrene	Ave	2.351	2.518		26.8	25.0	7.1	50.0
Bromoform	Lin1		0.6242	0.1000	25.8	25.0	3.2	50.0
Isopropylbenzene	Ave	3.425	3.495		25.5	25.0	2.0	50.0
Bromobenzene	Ave	0.9268	0.9419		25.4	25.0	1.6	50.0
1,1,2,2-Tetrachloroethane	Ave	0.9466	0.9858	0.3000	26.0	25.0	4.1	50.0
1,2,3-Trichloropropane	Ave	0.2903	0.2972		25.6	25.0	2.4	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2315	0.2026		109	125	-12.5	50.0
N-Propylbenzene	Ave	3.816	3.916		25.7	25.0	2.6	50.0
2-Chlorotoluene	Ave	0.8239	0.8377		25.4	25.0	1.7	50.0
1,3,5-Trimethylbenzene	Ave	2.715	2.765		25.5	25.0	1.8	50.0
4-Chlorotoluene	Ave	0.8445	0.8759		25.9	25.0	3.7	50.0
tert-Butylbenzene	Ave	0.6353	0.6691		26.3	25.0	5.3	50.0
1,2,4-Trimethylbenzene	Ave	2.745	2.774		25.3	25.0	1.1	50.0
sec-Butylbenzene	Ave	3.332	3.623		27.2	25.0	8.8	50.0
1,3-Dichlorobenzene	Ave	1.653	1.675		25.3	25.0	1.3	50.0
4-Isopropyltoluene	Ave	2.711	2.943		27.1	25.0	8.6	50.0
1,4-Dichlorobenzene	Ave	1.704	1.752		25.7	25.0	2.8	50.0
n-Butylbenzene	Ave	2.235	2.493		27.9	25.0	11.5	50.0
1,2-Dichlorobenzene	Ave	1.638	1.674		25.6	25.0	2.2	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1481	0.1443		24.4	25.0	-2.6	50.0
1,2,4-Trichlorobenzene	Ave	0.9484	0.8536		22.5	25.0	-10.0	50.0
Hexachlorobutadiene	Ave	0.3141	0.3552		28.3	25.0	13.1	50.0
Naphthalene	Ave	2.189	1.853		21.2	25.0	-15.3	50.0
1,2,3-Trichlorobenzene	Lin1		0.5423		18.3	25.0	-26.9	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1465	0.1439		24.6	25.0	-1.8	50.0
Toluene-d8 (Surr)	Ave	2.445	2.513		25.7	25.0	2.8	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7908	0.8193		25.9	25.0	3.6	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9260.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 07-Jul-2013 21:10:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0023255-003
 Operator: CDC Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 1
 Lims Batch ID: 127701 Lims Sample ID: 3
 Sublist: chrom-Q-8260*sub1
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q-8260.m
 Last Update: 07-Jul-2013 21:38:06 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK033

First Level Reviewer: cwiklinc

Date: 07-Jul-2013 21:38:06

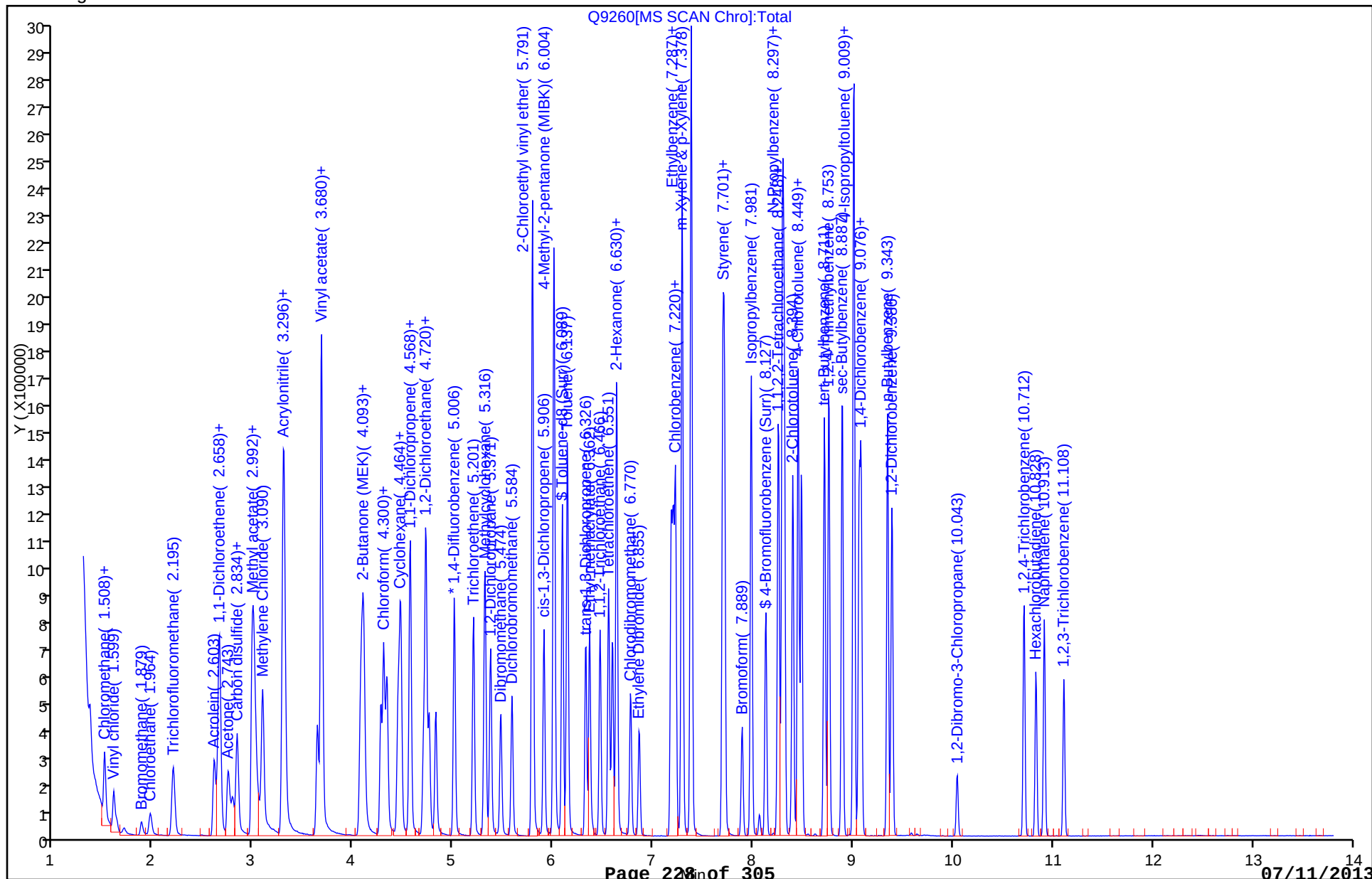
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.006	5.006	0.0	93	640071	25.0	
* 2 Chlorobenzene-d5	82	7.196	7.196	0.0	82	270985	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.057	9.057	0.0	72	293902	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.702	4.702	0.0	86	92105	24.6	
\$ 5 Toluene-d8 (Surr)	98	6.089	6.089	0.0	92	681086	25.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.127	8.127	0.0	97	222021	25.9	
10 Dichlorodifluoromethane	85	1.362	1.362	0.0	87	131922	15.5	
12 Chloromethane	50	1.508	1.508	0.0	99	241848	19.4	
13 Vinyl chloride	62	1.599	1.599	0.0	83	155325	20.6	
14 Bromomethane	94	1.879	1.879	0.0	89	36337	16.9	
15 Chloroethane	64	1.964	1.964	0.0	92	81272	30.8	
17 Trichlorofluoromethane	101	2.195	2.195	0.0	87	258104	24.5	
20 Acrolein	56	2.603	2.603	0.0	95	322191	213.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.652	2.652	0.0	78	173041	25.6	
22 1,1-Dichloroethene	96	2.658	2.658	0.0	90	184003	25.0	
23 Acetone	43	2.743	2.743	0.0	99	380122	121.8	
25 Iodomethane	142	2.791	2.791	0.0	96	148309	16.7	
26 Carbon disulfide	76	2.834	2.834	0.0	99	527883	23.7	
29 Acetonitrile	40	2.986	2.986	0.0	99	749920	1034.9	
27 Methyl acetate	43	3.010	3.010	0.0	96	222113	17.6	
30 Methylene Chloride	84	3.090	3.090	0.0	88	214352	22.4	
32 Methyl tert-butyl ether	73	3.290	3.290	0.0	90	607865	25.8	
34 trans-1,2-Dichloroethene	96	3.296	3.296	0.0	95	201875	24.4	
33 Acrylonitrile	53	3.309	3.309	0.0	99	503742	132.4	
39 1,1-Dichloroethane	63	3.637	3.637	0.0	85	371493	23.9	
37 Vinyl acetate	43	3.680	3.680	0.0	97	2531722	159.4	
44 2,2-Dichloropropane	77	4.069	4.069	0.0	90	262174	28.0	
45 cis-1,2-Dichloroethene	96	4.087	4.087	0.0	69	234580	24.9	
43 2-Butanone (MEK)	43	4.105	4.105	0.0	95	627625	126.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.276	4.276	0.0	93	122876	25.0	
49 Tetrahydrofuran	42	4.300	4.300	0.0	92	417086	128.2	
50 Chloroform	83	4.331	4.331	0.0	80	337997	24.4	
51 1,1,1-Trichloroethane	97	4.446	4.446	0.0	93	275601	25.3	
52 Cyclohexane	56	4.470	4.470	0.0	91	354293	24.5	
55 Carbon tetrachloride	117	4.562	4.562	0.0	77	255002	27.3	
54 1,1-Dichloropropene	75	4.568	4.568	0.0	94	275778	24.4	
57 Benzene	78	4.726	4.726	0.0	96	829325	24.6	
58 1,2-Dichloroethane	62	4.756	4.756	0.0	93	261665	23.8	
62 Trichloroethene	95	5.201	5.201	0.0	90	207974	24.5	
64 Methylcyclohexane	83	5.316	5.316	0.0	90	345582	28.0	
65 1,2-Dichloropropane	63	5.371	5.371	0.0	96	231923	24.7	
67 Dibromomethane	93	5.474	5.474	0.0	83	137811	25.3	
68 Dichlorobromomethane	83	5.584	5.584	0.0	93	265554	25.3	
69 2-Chloroethyl vinyl ether	63	5.791	5.791	0.0	90	829452	131.6	
72 cis-1,3-Dichloropropene	75	5.906	5.906	0.0	92	357446	26.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.004	6.004	0.0	96	1277120	131.0	
74 Toluene	92	6.137	6.137	0.0	98	524009	25.8	
77 trans-1,3-Dichloropropene	75	6.326	6.326	0.0	88	319026	24.9	
75 Ethyl methacrylate	69	6.362	6.362	0.0	89	315871	28.1	
79 1,1,2-Trichloroethane	83	6.466	6.466	0.0	85	172518	27.0	
81 Tetrachloroethene	166	6.551	6.551	0.0	91	242210	27.4	
82 1,3-Dichloropropane	76	6.594	6.594	0.0	87	359879	26.3	
80 2-Hexanone	43	6.630	6.630	0.0	97	916345	133.7	
83 Chlorodibromomethane	129	6.770	6.770	0.0	90	244439	28.5	
84 Ethylene Dibromide	107	6.855	6.855	0.0	99	230990	26.8	
87 Chlorobenzene	112	7.220	7.220	0.0	96	634192	26.7	
89 1,1,1,2-Tetrachloroethane	131	7.287	7.287	0.0	92	220407	28.6	
88 Ethylbenzene	91	7.287	7.287	0.0	97	945423	25.7	
90 m-Xylene & p-Xylene	106	7.378	7.378	0.0	96	813409	54.0	
91 o-Xylene	106	7.695	7.695	0.0	95	405820	26.7	
92 Styrene	104	7.713	7.713	0.0	96	682210	26.8	
95 Bromoform	173	7.889	7.889	0.0	98	169146	25.8	
94 Isopropylbenzene	105	7.981	7.981	0.0	94	1027067	25.5	
101 Bromobenzene	156	8.248	8.248	0.0	90	276813	25.4	
97 1,1,2,2-Tetrachloroethane	83	8.254	8.254	0.0	93	289730	26.0	
100 1,2,3-Trichloropropane	110	8.291	8.291	0.0	74	87351	25.6	
98 trans-1,4-Dichloro-2-butene	53	8.291	8.291	0.0	84	297716	109.4	
99 N-Propylbenzene	91	8.309	8.309	0.0	98	1150845	25.7	
103 2-Chlorotoluene	126	8.394	8.394	0.0	98	246211	25.4	
102 1,3,5-Trimethylbenzene	105	8.449	8.449	0.0	74	812533	25.5	
105 4-Chlorotoluene	126	8.486	8.486	0.0	94	257437	25.9	
106 tert-Butylbenzene	134	8.711	8.711	0.0	90	196653	26.3	
107 1,2,4-Trimethylbenzene	105	8.753	8.753	0.0	96	815369	25.3	
109 sec-Butylbenzene	105	8.893	8.893	0.0	92	1064933	27.2	
111 1,3-Dichlorobenzene	146	9.009	9.009	0.0	72	492340	25.3	
110 4-Isopropyltoluene	119	9.009	9.009	0.0	97	865054	27.1	
113 1,4-Dichlorobenzene	146	9.082	9.082	0.0	97	515055	25.7	
115 n-Butylbenzene	91	9.343	9.343	0.0	94	732590	27.9	
116 1,2-Dichlorobenzene	146	9.386	9.386	0.0	98	492007	25.6	
117 1,2-Dibromo-3-Chloropropane	75	10.043	10.043	0.0	84	42408	24.4	
119 1,2,4-Trichlorobenzene	180	10.712	10.712	0.0	94	250877	22.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.828	10.828	0.0	96	104406	28.3	
121 Naphthalene	128	10.913	10.913	0.0	96	544524	21.2	
122 1,2,3-Trichlorobenzene	180	11.108	11.108	0.0	95	159382	18.3	
S 123 Total BTEX	1				0		156.7	
S 124 Xylenes, Total	1				0		80.6	
S 125 1,2-Dichloroethene, Total	1				0		49.3	
S 126 1,3-Dichloropropene, Total	1				0		51.2	

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9260.D
Injection Date: 07-Jul-2013 21:10:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973Q
Lims Batch ID: 127701 Lims Sample ID: 3
Operator ID: CDC Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm
Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Lab Sample ID: CCVIS 480-127825/2 Calibration Date: 07/08/2013 14:30

Instrument ID: HP5973Q Calib Start Date: 04/11/2013 11:47

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 04/11/2013 14:40

Lab File ID: Q9285.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	0.3324	0.2304		17.3	25.0	-30.7	50.0
Chloromethane	Ave	0.4881	0.4248	0.1000	21.8	25.0	-13.0	50.0
Vinyl chloride	Ave	0.2939	0.2738		23.3	25.0	-6.8	20.0
Bromomethane	Lin		0.0503		15.3	25.0	-38.6	50.0
Chloroethane	Ave	0.1031	0.1270		30.8	25.0	23.2	50.0
Trichlorofluoromethane	Ave	0.4110	0.4162		25.3	25.0	1.3	50.0
Acrolein	Ave	0.0589	0.0365		310	500	-38.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2642	0.2820		26.7	25.0	6.7	50.0
1,1-Dichloroethene	Ave	0.2870	0.2952	0.1000	25.7	25.0	2.9	20.0
Acetone	Lin1		0.1350		139	125	11.5	50.0
Iodomethane	Lin1		0.1181		9.07	25.0	-63.7*	50.0
Carbon disulfide	Ave	0.8693	0.8573		24.7	25.0	-1.4	50.0
Acetonitrile	Ave	0.0283	0.0328		1160	1000	15.9	50.0
Methyl acetate	Ave	0.4918	0.3794		19.3	25.0	-22.9	50.0
Methylene Chloride	Ave	0.3734	0.3419		22.9	25.0	-8.4	50.0
Methyl tert-butyl ether	Ave	0.9205	0.9783		26.6	25.0	6.3	50.0
trans-1,2-Dichloroethene	Ave	0.3226	0.3258		25.2	25.0	1.0	50.0
Acrylonitrile	Ave	0.1486	0.1704		143	125	14.7	50.0
1,1-Dichloroethane	Ave	0.6078	0.6215		25.6	25.0	2.3	50.0
Vinyl acetate	Ave	0.6202	0.8438		170	125	36.0	50.0
2,2-Dichloropropane	Ave	0.3662	0.4238		28.9	25.0	15.7	50.0
cis-1,2-Dichloroethene	Ave	0.3686	0.3817		25.9	25.0	3.6	50.0
2-Butanone (MEK)	Ave	0.1935	0.2235		144	125	15.5	50.0
Bromochloromethane	Ave	0.1921	0.1950		25.4	25.0	1.5	50.0
Tetrahydrofuran	Ave	0.1271	0.1470		145	125	15.7	50.0
Chloroform	Ave	0.5418	0.5303		24.5	25.0	-2.1	20.0
1,1,1-Trichloroethane	Ave	0.4257	0.4371		25.7	25.0	2.7	50.0
Cyclohexane	Ave	0.5643	0.5863		26.0	25.0	3.9	50.0
Carbon tetrachloride	Ave	0.3644	0.3953		27.1	25.0	8.5	50.0
1,1-Dichloropropene	Ave	0.4413	0.4542		25.7	25.0	2.9	50.0
Benzene	Ave	1.317	1.317		25.0	25.0	0.0	50.0
1,2-Dichloroethane	Ave	0.4297	0.4305		25.0	25.0	0.2	50.0
Trichloroethene	Ave	0.3311	0.3407		25.7	25.0	2.9	50.0
Methylcyclohexane	Ave	0.4822	0.5717		29.6	25.0	18.6	50.0
1,2-Dichloropropane	Ave	0.3661	0.3809		26.0	25.0	4.0	20.0
Dibromomethane	Ave	0.2127	0.2225		26.2	25.0	4.6	50.0
Bromodichloromethane	Ave	0.4106	0.4374		26.6	25.0	6.5	50.0
2-Chloroethyl vinyl ether	Ave	0.2461	0.2517		128	125	2.2	50.0
cis-1,3-Dichloropropene	Ave	0.5328	0.5752		27.0	25.0	8.0	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8997	0.9920		138	125	10.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Lab Sample ID: CCVIS 480-127825/2 Calibration Date: 07/08/2013 14:30

Instrument ID: HP5973Q Calib Start Date: 04/11/2013 11:47

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 04/11/2013 14:40

Lab File ID: Q9285.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	1.875	1.908		25.4	25.0	1.7	20.0
trans-1,3-Dichloropropene	Lin1		1.149		24.4	25.0	-2.5	50.0
Ethyl methacrylate	Ave	1.038	1.161		28.0	25.0	11.9	50.0
1,1,2-Trichloroethane	Ave	0.5892	0.6253		26.5	25.0	6.1	50.0
Tetrachloroethene	Ave	0.8152	0.8735		26.8	25.0	7.2	50.0
1,3-Dichloropropane	Ave	1.264	1.323		26.2	25.0	4.7	50.0
2-Hexanone	Ave	0.6325	0.7219		143	125	14.1	50.0
Dibromochloromethane	Ave	0.7904	0.8511		26.9	25.0	7.7	50.0
1,2-Dibromoethane	Ave	0.7955	0.8443		26.5	25.0	6.1	50.0
Chlorobenzene	Ave	2.194	2.310	0.3000	26.3	25.0	5.3	50.0
1,1,1,2-Tetrachloroethane	Ave	0.7110	0.7826		27.5	25.0	10.1	50.0
Ethylbenzene	Ave	3.392	3.534		26.0	25.0	4.2	20.0
m,p-Xylene	Ave	1.391	1.497		53.8	50.0	7.6	50.0
o-Xylene	Ave	1.405	1.505		26.8	25.0	7.1	50.0
Styrene	Ave	2.351	2.527		26.9	25.0	7.5	50.0
Bromoform	Lin1		0.6073	0.1000	25.1	25.0	0.5	50.0
Isopropylbenzene	Ave	3.425	3.441		25.1	25.0	0.5	50.0
Bromobenzene	Ave	0.9268	0.9196		24.8	25.0	-0.8	50.0
1,1,2,2-Tetrachloroethane	Ave	0.9466	1.019	0.3000	26.9	25.0	7.6	50.0
1,2,3-Trichloropropane	Ave	0.2903	0.2937		25.3	25.0	1.2	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2315	0.2126		115	125	-8.2	50.0
N-Propylbenzene	Ave	3.816	3.921		25.7	25.0	2.8	50.0
2-Chlorotoluene	Ave	0.8239	0.8268		25.1	25.0	0.3	50.0
1,3,5-Trimethylbenzene	Ave	2.715	2.770		25.5	25.0	2.0	50.0
4-Chlorotoluene	Ave	0.8445	0.8589		25.4	25.0	1.7	50.0
tert-Butylbenzene	Ave	0.6353	0.6758		26.6	25.0	6.4	50.0
1,2,4-Trimethylbenzene	Ave	2.745	2.762		25.2	25.0	0.6	50.0
sec-Butylbenzene	Ave	3.332	3.656		27.4	25.0	9.7	50.0
1,3-Dichlorobenzene	Ave	1.653	1.724		26.1	25.0	4.3	50.0
4-Isopropyltoluene	Ave	2.711	2.977		27.5	25.0	9.8	50.0
1,4-Dichlorobenzene	Ave	1.704	1.733		25.4	25.0	1.7	50.0
n-Butylbenzene	Ave	2.235	2.535		28.4	25.0	13.5	50.0
1,2-Dichlorobenzene	Ave	1.638	1.656		25.3	25.0	1.1	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1481	0.1560		26.3	25.0	5.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9484	0.8712		23.0	25.0	-8.1	50.0
Hexachlorobutadiene	Ave	0.3141	0.3745		29.8	25.0	19.2	50.0
Naphthalene	Ave	2.189	1.870		21.4	25.0	-14.5	50.0
1,2,3-Trichlorobenzene	Lin1		0.5830		19.6	25.0	-21.5	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1465	0.1540		26.3	25.0	5.1	50.0
Toluene-d8 (Surr)	Ave	2.445	2.475		25.3	25.0	1.2	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7908	0.8324		26.3	25.0	5.3	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9285.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 08-Jul-2013 14:30:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0023280-002
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 2
 Lims Batch ID: 127825 Lims Sample ID: 2
 Sublist: chrom-Q-8260*sub1
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q-8260.m
 Last Update: 08-Jul-2013 14:49:07 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK006

First Level Reviewer: BrandtT

Date: 08-Jul-2013 14:49:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.005	5.005	0.0	93	532048	25.0	
* 2 Chlorobenzene-d5	82	7.195	7.195	0.0	83	238999	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.057	9.057	0.0	79	262155	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.695	4.695	0.0	90	81957	26.3	
\$ 5 Toluene-d8 (Surr)	98	6.088	6.088	0.0	92	591422	25.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.126	8.126	0.0	96	198939	26.3	
10 Dichlorodifluoromethane	85	1.355	1.355	0.0	98	122572	17.3	
12 Chloromethane	50	1.501	1.501	0.0	89	225996	21.8	
13 Vinyl chloride	62	1.592	1.592	0.0	98	145671	23.3	
14 Bromomethane	94	1.866	1.866	0.0	91	26753	15.3	
15 Chloroethane	64	1.951	1.951	0.0	98	67582	30.8	
17 Trichlorofluoromethane	101	2.188	2.188	0.0	85	221429	25.3	
20 Acrolein	56	2.602	2.602	0.0	97	387910	309.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.645	2.645	0.0	80	150032	26.7	
22 1,1-Dichloroethene	96	2.651	2.651	0.0	89	157043	25.7	
23 Acetone	43	2.742	2.742	0.0	99	359182	139.4	
25 Iodomethane	142	2.785	2.785	0.0	93	62841	9.07	
26 Carbon disulfide	76	2.827	2.827	0.0	99	456108	24.7	
29 Acetonitrile	40	2.985	2.985	0.0	99	698224	1159.1	
27 Methyl acetate	43	3.004	3.004	0.0	96	201840	19.3	
30 Methylene Chloride	84	3.083	3.083	0.0	90	181900	22.9	
32 Methyl tert-butyl ether	73	3.290	3.290	0.0	90	520497	26.6	
34 trans-1,2-Dichloroethene	96	3.296	3.296	0.0	94	173343	25.2	
33 Acrylonitrile	53	3.302	3.302	0.0	98	453380	143.4	
39 1,1-Dichloroethane	63	3.636	3.636	0.0	85	330678	25.6	
37 Vinyl acetate	43	3.673	3.673	0.0	97	2244815	170.1	
44 2,2-Dichloropropane	77	4.068	4.068	0.0	88	225495	28.9	
45 cis-1,2-Dichloroethene	96	4.086	4.086	0.0	69	203106	25.9	
43 2-Butanone (MEK)	43	4.099	4.099	0.0	94	594528	144.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.269	4.269	0.0	93	103728	25.4	
49 Tetrahydrofuran	42	4.299	4.299	0.0	92	391130	144.6	
50 Chloroform	83	4.330	4.330	0.0	81	282121	24.5	
51 1,1,1-Trichloroethane	97	4.445	4.445	0.0	93	232551	25.7	
52 Cyclohexane	56	4.470	4.470	0.0	91	311947	26.0	
55 Carbon tetrachloride	117	4.561	4.561	0.0	82	210296	27.1	
54 1,1-Dichloropropene	75	4.567	4.567	0.0	93	241665	25.7	
57 Benzene	78	4.719	4.719	0.0	97	700966	25.0	
58 1,2-Dichloroethane	62	4.756	4.756	0.0	87	229037	25.0	
62 Trichloroethene	95	5.194	5.194	0.0	91	181240	25.7	
64 Methylcyclohexane	83	5.315	5.315	0.0	91	304183	29.6	
65 1,2-Dichloropropane	63	5.370	5.370	0.0	96	202633	26.0	
67 Dibromomethane	93	5.467	5.467	0.0	88	118378	26.2	
68 Dichlorobromomethane	83	5.583	5.583	0.0	92	232701	26.6	
69 2-Chloroethyl vinyl ether	63	5.790	5.790	0.0	91	669466	127.8	
72 cis-1,3-Dichloropropene	75	5.905	5.905	0.0	91	306022	27.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.003	6.003	0.0	97	1185482	137.8	
74 Toluene	92	6.137	6.137	0.0	98	456017	25.4	
77 trans-1,3-Dichloropropene	75	6.325	6.325	0.0	88	274682	24.4	
75 Ethyl methacrylate	69	6.362	6.362	0.0	90	277583	28.0	
79 1,1,2-Trichloroethane	83	6.465	6.465	0.0	91	149434	26.5	
81 Tetrachloroethene	166	6.550	6.550	0.0	98	208764	26.8	
82 1,3-Dichloropropane	76	6.593	6.593	0.0	88	316167	26.2	
80 2-Hexanone	43	6.629	6.629	0.0	97	862652	142.7	
83 Chlorodibromomethane	129	6.769	6.769	0.0	88	203419	26.9	
84 Ethylene Dibromide	107	6.854	6.854	0.0	98	201781	26.5	
87 Chlorobenzene	112	7.219	7.219	0.0	96	552029	26.3	
89 1,1,1,2-Tetrachloroethane	131	7.286	7.286	0.0	90	187033	27.5	
88 Ethylbenzene	91	7.286	7.286	0.0	97	844685	26.0	
90 m-Xylene & p-Xylene	106	7.378	7.378	0.0	96	715432	53.8	
91 o-Xylene	106	7.694	7.694	0.0	94	359632	26.8	
92 Styrene	104	7.712	7.712	0.0	96	603889	26.9	
95 Bromoform	173	7.889	7.889	0.0	98	145154	25.1	
94 Isopropylbenzene	105	7.980	7.980	0.0	95	902157	25.1	
101 Bromobenzene	156	8.248	8.248	0.0	92	241077	24.8	
97 1,1,2,2-Tetrachloroethane	83	8.254	8.254	0.0	87	267017	26.9	
100 1,2,3-Trichloropropane	110	8.290	8.290	0.0	73	76984	25.3	
98 trans-1,4-Dichloro-2-butene	53	8.290	8.290	0.0	84	278656	114.8	
99 N-Propylbenzene	91	8.308	8.308	0.0	94	1028019	25.7	
103 2-Chlorotoluene	126	8.394	8.394	0.0	97	216743	25.1	
102 1,3,5-Trimethylbenzene	105	8.448	8.448	0.0	75	726164	25.5	
105 4-Chlorotoluene	126	8.485	8.485	0.0	94	225167	25.4	
106 tert-Butylbenzene	134	8.710	8.710	0.0	90	177168	26.6	
107 1,2,4-Trimethylbenzene	105	8.752	8.752	0.0	95	723988	25.2	
109 sec-Butylbenzene	105	8.892	8.892	0.0	93	958527	27.4	
111 1,3-Dichlorobenzene	146	9.008	9.008	0.0	73	451847	26.1	
110 4-Isopropyltoluene	119	9.008	9.008	0.0	96	780530	27.5	
113 1,4-Dichlorobenzene	146	9.081	9.081	0.0	97	454323	25.4	
115 n-Butylbenzene	91	9.343	9.343	0.0	97	664647	28.4	
116 1,2-Dichlorobenzene	146	9.391	9.391	0.0	98	434094	25.3	
117 1,2-Dibromo-3-Chloropropane	75	10.042	10.042	0.0	84	40901	26.3	
119 1,2,4-Trichlorobenzene	180	10.711	10.711	0.0	91	228399	23.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.833	10.833	0.0	94	98165	29.8	
121 Naphthalene	128	10.912	10.912	0.0	97	490356	21.4	
122 1,2,3-Trichlorobenzene	180	11.107	11.107	0.0	96	152835	19.6	
S 125 1,2-Dichloroethene, Total	1				0		51.1	
S 126 1,3-Dichloropropene, Total	1				0		51.4	
S 123 Total BTEX	1				0		157.1	
S 124 Xylenes, Total	1				0		80.6	

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9285.D

Injection Date: 08-Jul-2013 14:30:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973Q

Lims Batch ID: 127825

Lims Sample ID: 2

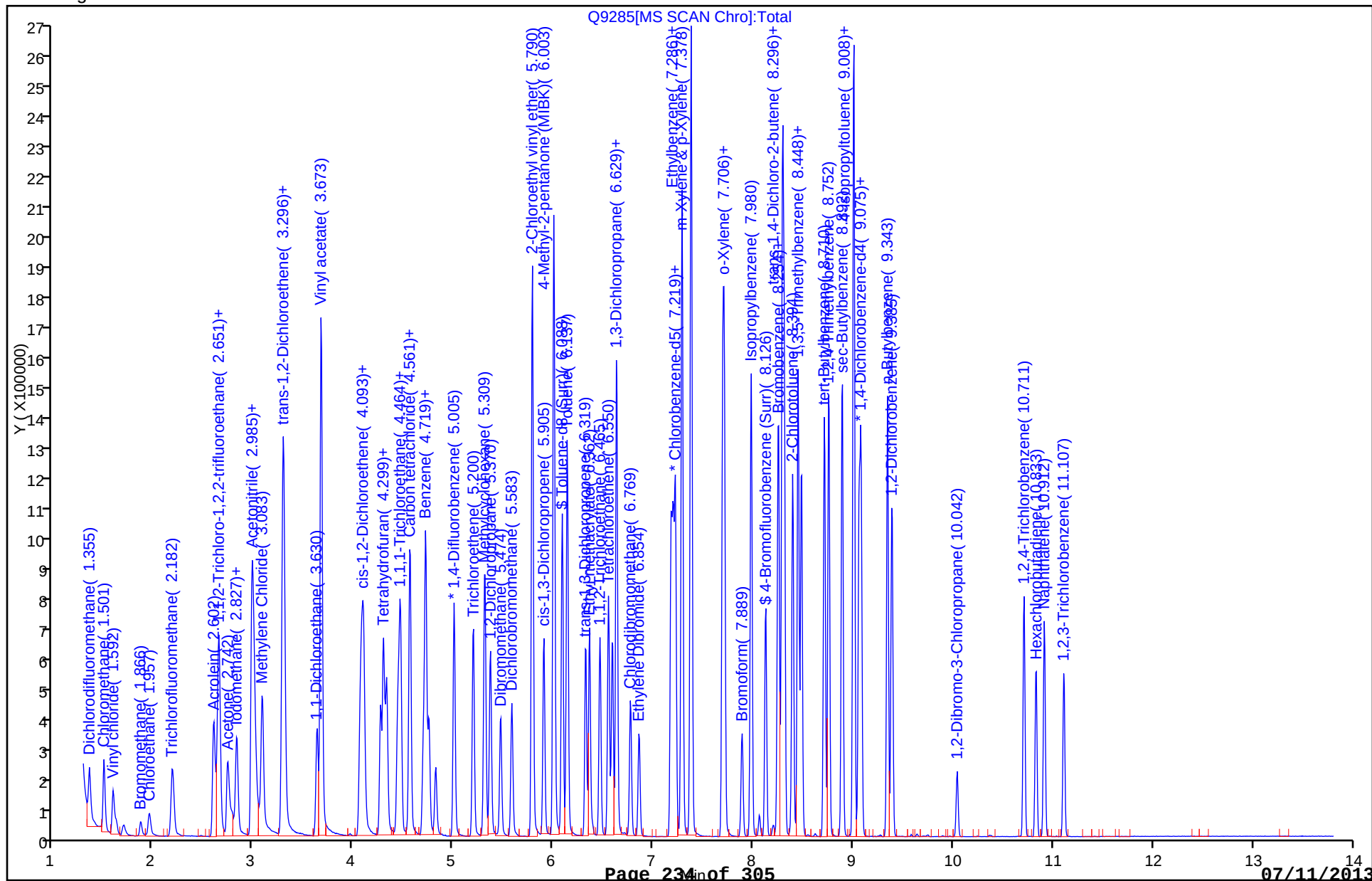
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Lab Sample ID: CCVIS 480-127928/2 Calibration Date: 07/09/2013 08:58

Instrument ID: HP5973Q Calib Start Date: 04/11/2013 11:47

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 04/11/2013 14:40

Lab File ID: Q9311.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	0.3324	0.2102		15.8	25.0	-36.8	50.0
Chloromethane	Ave	0.4881	0.3980	0.1000	20.4	25.0	-18.5	50.0
Vinyl chloride	Ave	0.2939	0.2539		21.6	25.0	-13.6	20.0
Bromomethane	Lin		0.0466		14.5	25.0	-42.1	50.0
Chloroethane	Ave	0.1031	0.1261		30.6	25.0	22.3	50.0
Trichlorofluoromethane	Ave	0.4110	0.3814		23.2	25.0	-7.2	50.0
Acrolein	Ave	0.0589	0.0312		265	500	-47.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2642	0.2375		22.5	25.0	-10.1	50.0
1,1-Dichloroethene	Ave	0.2870	0.2710	0.1000	23.6	25.0	-5.5	20.0
Acetone	Lin1		0.1160		119	125	-4.9	50.0
Iodomethane	Lin1		0.0969		7.64	25.0	-69.4*	50.0
Carbon disulfide	Ave	0.8693	0.7457		21.4	25.0	-14.2	50.0
Acetonitrile	Ave	0.0283	0.0289		1020	1000	2.3	50.0
Methyl acetate	Ave	0.4918	0.3361		17.1	25.0	-31.7	50.0
Methylene Chloride	Ave	0.3734	0.3223		21.6	25.0	-13.7	50.0
Methyl tert-butyl ether	Ave	0.9205	0.9005		24.5	25.0	-2.2	50.0
trans-1,2-Dichloroethene	Ave	0.3226	0.3107		24.1	25.0	-3.7	50.0
Acrylonitrile	Ave	0.1486	0.1492		125	125	0.4	50.0
1,1-Dichloroethane	Ave	0.6078	0.5775		23.8	25.0	-5.0	50.0
Vinyl acetate	Ave	0.6202	0.7779		157	125	25.4	50.0
2,2-Dichloropropane	Ave	0.3662	0.3941		26.9	25.0	7.6	50.0
cis-1,2-Dichloroethene	Ave	0.3686	0.3593		24.4	25.0	-2.5	50.0
2-Butanone (MEK)	Ave	0.1935	0.1839		119	125	-5.0	50.0
Bromochloromethane	Ave	0.1921	0.1762		22.9	25.0	-8.3	50.0
Tetrahydrofuran	Ave	0.1271	0.1252		123	125	-1.5	50.0
Chloroform	Ave	0.5418	0.4968		22.9	25.0	-8.3	20.0
1,1,1-Trichloroethane	Ave	0.4257	0.4005		23.5	25.0	-5.9	50.0
Cyclohexane	Ave	0.5643	0.5047		22.4	25.0	-10.6	50.0
1,1-Dichloropropene	Ave	0.4413	0.4165		23.6	25.0	-5.6	50.0
Carbon tetrachloride	Ave	0.3644	0.3623		24.9	25.0	-0.6	50.0
Benzene	Ave	1.317	1.240		23.5	25.0	-5.9	50.0
1,2-Dichloroethane	Ave	0.4297	0.4016		23.4	25.0	-6.5	50.0
Trichloroethene	Ave	0.3311	0.3220		24.3	25.0	-2.8	50.0
Methylcyclohexane	Ave	0.4822	0.4920		25.5	25.0	2.0	50.0
1,2-Dichloropropane	Ave	0.3661	0.3624		24.8	25.0	-1.0	20.0
Dibromomethane	Ave	0.2127	0.1988		23.4	25.0	-6.5	50.0
Bromodichloromethane	Ave	0.4106	0.4020		24.5	25.0	-2.1	50.0
2-Chloroethyl vinyl ether	Ave	0.2461	0.2370		120	125	-3.7	50.0
cis-1,3-Dichloropropene	Ave	0.5328	0.5255		24.7	25.0	-1.4	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8997	0.8887		123	125	-1.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Lab Sample ID: CCVIS 480-127928/2 Calibration Date: 07/09/2013 08:58

Instrument ID: HP5973Q Calib Start Date: 04/11/2013 11:47

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 04/11/2013 14:40

Lab File ID: Q9311.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	1.875	1.844		24.6	25.0	-1.7	20.0
trans-1,3-Dichloropropene	Lin1		1.102		23.4	25.0	-6.4	50.0
Ethyl methacrylate	Ave	1.038	1.080		26.0	25.0	4.0	50.0
1,1,2-Trichloroethane	Ave	0.5892	0.5910		25.1	25.0	0.3	50.0
Tetrachloroethene	Ave	0.8152	0.8116		24.9	25.0	-0.4	50.0
1,3-Dichloropropane	Ave	1.264	1.242		24.6	25.0	-1.7	50.0
2-Hexanone	Ave	0.6325	0.6384		126	125	0.9	50.0
Dibromochloromethane	Ave	0.7904	0.8168		25.8	25.0	3.3	50.0
1,2-Dibromoethane	Ave	0.7955	0.8031		25.2	25.0	1.0	50.0
Chlorobenzene	Ave	2.194	2.251	0.3000	25.7	25.0	2.6	50.0
1,1,1,2-Tetrachloroethane	Ave	0.7110	0.7716		27.1	25.0	8.5	50.0
Ethylbenzene	Ave	3.392	3.415		25.2	25.0	0.7	20.0
m,p-Xylene	Ave	1.391	1.476		53.1	50.0	6.1	50.0
o-Xylene	Ave	1.405	1.471		26.2	25.0	4.7	50.0
Styrene	Ave	2.351	2.436		25.9	25.0	3.6	50.0
Bromoform	Lin1		0.5568	0.1000	23.1	25.0	-7.6	50.0
Isopropylbenzene	Ave	3.425	3.260		23.8	25.0	-4.8	50.0
Bromobenzene	Ave	0.9268	0.8740		23.6	25.0	-5.7	50.0
1,1,2,2-Tetrachloroethane	Ave	0.9466	0.9195	0.3000	24.3	25.0	-2.9	50.0
1,2,3-Trichloropropane	Ave	0.2903	0.2731		23.5	25.0	-5.9	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2315	0.1896		102	125	-18.1	50.0
N-Propylbenzene	Ave	3.816	3.749		24.6	25.0	-1.8	50.0
2-Chlorotoluene	Ave	0.8239	0.7884		23.9	25.0	-4.3	50.0
1,3,5-Trimethylbenzene	Ave	2.715	2.620		24.1	25.0	-3.5	50.0
4-Chlorotoluene	Ave	0.8445	0.8240		24.4	25.0	-2.4	50.0
tert-Butylbenzene	Ave	0.6353	0.6435		25.3	25.0	1.3	50.0
1,2,4-Trimethylbenzene	Ave	2.745	2.693		24.5	25.0	-1.9	50.0
sec-Butylbenzene	Ave	3.332	3.449		25.9	25.0	3.5	50.0
1,3-Dichlorobenzene	Ave	1.653	1.627		24.6	25.0	-1.6	50.0
4-Isopropyltoluene	Ave	2.711	2.844		26.2	25.0	4.9	50.0
1,4-Dichlorobenzene	Ave	1.704	1.654		24.3	25.0	-2.9	50.0
n-Butylbenzene	Ave	2.235	2.394		26.8	25.0	7.1	50.0
1,2-Dichlorobenzene	Ave	1.638	1.632		24.9	25.0	-0.3	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1481	0.1331		22.5	25.0	-10.2	50.0
1,2,4-Trichlorobenzene	Ave	0.9484	0.7837		20.7	25.0	-17.4	50.0
Hexachlorobutadiene	Ave	0.3141	0.3435		27.3	25.0	9.4	50.0
Naphthalene	Ave	2.189	1.560		17.8	25.0	-28.7	50.0
1,2,3-Trichlorobenzene	Lin1		0.4925		16.6	25.0	-33.6	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1465	0.1472		25.1	25.0	0.4	50.0
Toluene-d8 (Surr)	Ave	2.445	2.502		25.6	25.0	2.3	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7908	0.8386		26.5	25.0	6.0	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9311.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 09-Jul-2013 08:58:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0023298-002
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 2
 Lims Batch ID: 127928 Lims Sample ID: 2
 Sublist: chrom-Q-8260*sub1
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q-8260.m
 Last Update: 09-Jul-2013 09:19:01 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK035

First Level Reviewer: quirkp

Date: 09-Jul-2013 09:19:01

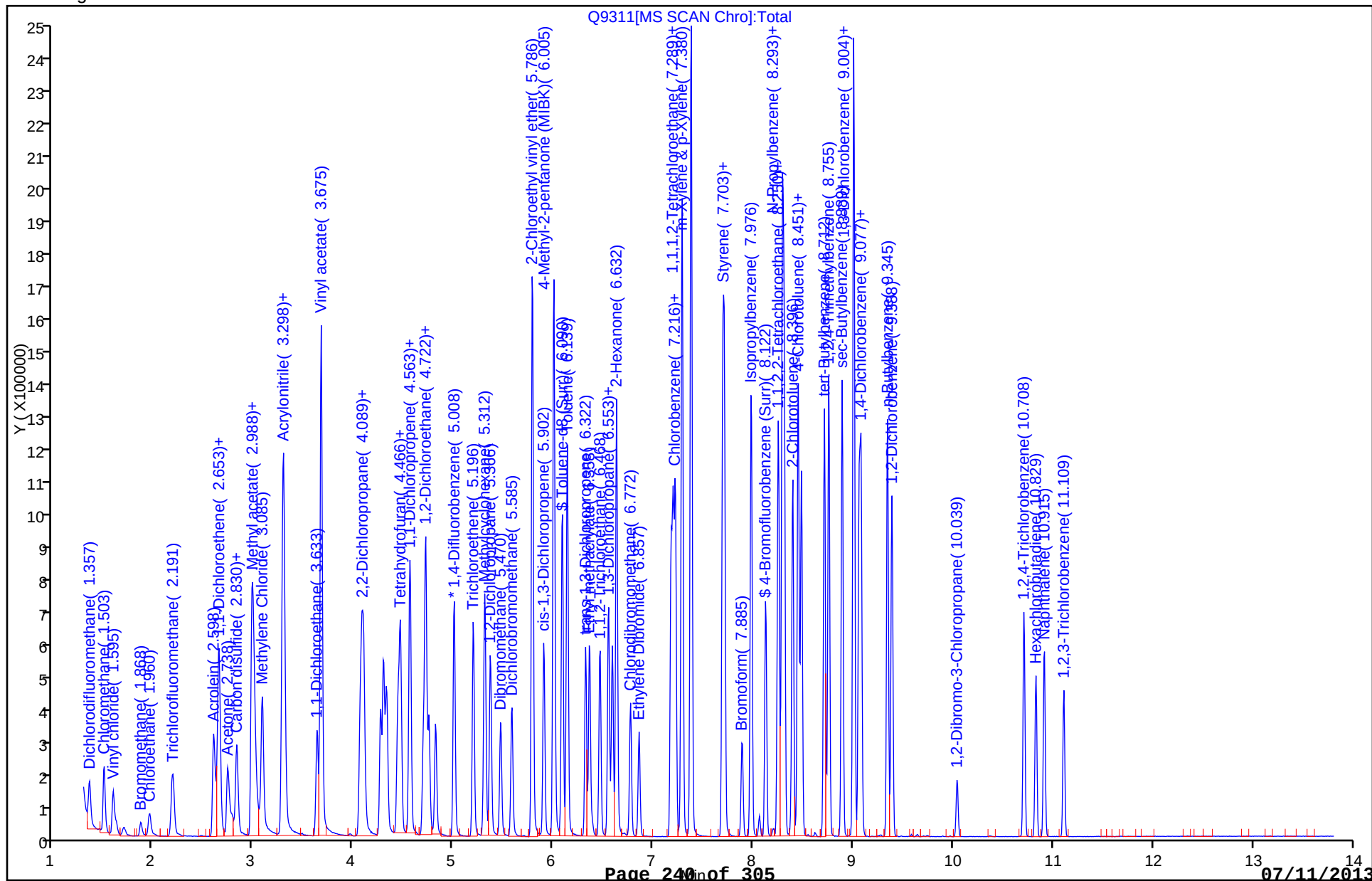
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.008	5.008	0.0	93	528016	25.0	
* 2 Chlorobenzene-d5	82	7.198	7.198	0.0	84	230022	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.059	9.059	0.0	74	256130	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.697	4.697	0.0	93	77718	25.1	
\$ 5 Toluene-d8 (Surr)	98	6.090	6.090	0.0	93	575476	25.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.122	8.122	0.0	94	192894	26.5	
10 Dichlorodifluoromethane	85	1.357	1.357	0.0	87	110994	15.8	
12 Chloromethane	50	1.503	1.503	0.0	89	210172	20.4	
13 Vinyl chloride	62	1.595	1.595	0.0	97	134087	21.6	
14 Bromomethane	94	1.868	1.868	0.0	85	24614	14.5	
15 Chloroethane	64	1.954	1.954	0.0	97	66568	30.6	
17 Trichlorofluoromethane	101	2.191	2.191	0.0	84	201358	23.2	
20 Acrolein	56	2.598	2.598	0.0	96	329435	265.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.647	2.647	0.0	78	125419	22.5	
22 1,1-Dichloroethene	96	2.653	2.653	0.0	90	143113	23.6	
23 Acetone	43	2.738	2.738	0.0	100	306326	118.8	
25 Iodomethane	142	2.787	2.787	0.0	95	51144	7.64	
26 Carbon disulfide	76	2.830	2.830	0.0	99	393734	21.4	
29 Acetonitrile	40	2.988	2.988	0.0	99	611276	1022.5	
27 Methyl acetate	43	3.006	3.006	0.0	97	177481	17.1	
30 Methylene Chloride	84	3.085	3.085	0.0	89	170169	21.6	
32 Methyl tert-butyl ether	73	3.286	3.286	0.0	91	475455	24.5	
34 trans-1,2-Dichloroethene	96	3.292	3.292	0.0	94	164063	24.1	
33 Acrylonitrile	53	3.304	3.304	0.0	98	393763	125.5	
39 1,1-Dichloroethane	63	3.633	3.633	0.0	84	304918	23.8	
37 Vinyl acetate	43	3.675	3.675	0.0	97	2053674	156.8	
44 2,2-Dichloropropane	77	4.065	4.065	0.0	91	208069	26.9	
45 cis-1,2-Dichloroethene	96	4.083	4.083	0.0	83	189696	24.4	
43 2-Butanone (MEK)	43	4.101	4.101	0.0	94	485566	118.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.271	4.271	0.0	92	93049	22.9	
49 Tetrahydrofuran	42	4.296	4.296	0.0	91	330578	123.1	
50 Chloroform	83	4.332	4.332	0.0	81	262298	22.9	
51 1,1,1-Trichloroethane	97	4.442	4.442	0.0	93	211488	23.5	
52 Cyclohexane	56	4.466	4.466	0.0	91	266512	22.4	
55 Carbon tetrachloride	117	4.563	4.563	0.0	84	191276	24.9	
54 1,1-Dichloropropene	75	4.563	4.563	0.0	94	219905	23.6	
57 Benzene	78	4.722	4.722	0.0	97	654480	23.5	
58 1,2-Dichloroethane	62	4.752	4.752	0.0	93	212073	23.4	
62 Trichloroethene	95	5.196	5.196	0.0	92	170028	24.3	
64 Methylcyclohexane	83	5.312	5.312	0.0	91	259771	25.5	
65 1,2-Dichloropropane	63	5.366	5.366	0.0	97	191368	24.8	
67 Dibromomethane	93	5.470	5.470	0.0	87	104952	23.4	
68 Dichlorobromomethane	83	5.585	5.585	0.0	93	212268	24.5	
69 2-Chloroethyl vinyl ether	63	5.786	5.786	0.0	91	625703	120.4	
72 cis-1,3-Dichloropropene	75	5.902	5.902	0.0	91	277463	24.7	
73 4-Methyl-2-pentanone (MIBK)	43	6.005	6.005	0.0	97	1022118	123.5	
74 Toluene	92	6.139	6.139	0.0	98	424215	24.6	
77 trans-1,3-Dichloropropene	75	6.322	6.322	0.0	89	253557	23.4	
75 Ethyl methacrylate	69	6.358	6.358	0.0	90	248355	26.0	
79 1,1,2-Trichloroethane	83	6.468	6.468	0.0	86	135936	25.1	
81 Tetrachloroethene	166	6.553	6.553	0.0	92	186685	24.9	
82 1,3-Dichloropropane	76	6.589	6.589	0.0	87	285607	24.6	
80 2-Hexanone	43	6.632	6.632	0.0	97	734261	126.2	
83 Chlorodibromomethane	129	6.772	6.772	0.0	89	187888	25.8	
84 Ethylene Dibromide	107	6.857	6.857	0.0	98	184729	25.2	
87 Chlorobenzene	112	7.222	7.222	0.0	90	517791	25.7	
89 1,1,1,2-Tetrachloroethane	131	7.283	7.283	0.0	89	177485	27.1	
88 Ethylbenzene	91	7.289	7.289	0.0	98	785500	25.2	
90 m-Xylene & p-Xylene	106	7.380	7.380	0.0	96	679010	53.1	
91 o-Xylene	106	7.696	7.696	0.0	93	338450	26.2	
92 Styrene	104	7.709	7.709	0.0	96	560306	25.9	
95 Bromoform	173	7.891	7.891	0.0	98	128086	23.1	
94 Isopropylbenzene	105	7.976	7.976	0.0	95	834987	23.8	
101 Bromobenzene	156	8.250	8.250	0.0	92	223855	23.6	
97 1,1,2,2-Tetrachloroethane	83	8.256	8.256	0.0	95	235502	24.3	
100 1,2,3-Trichloropropane	110	8.287	8.287	0.0	77	69958	23.5	
98 trans-1,4-Dichloro-2-butene	53	8.293	8.293	0.0	90	242750	102.4	
99 N-Propylbenzene	91	8.311	8.311	0.0	98	960180	24.6	
103 2-Chlorotoluene	126	8.396	8.396	0.0	98	201938	23.9	
102 1,3,5-Trimethylbenzene	105	8.451	8.451	0.0	80	670991	24.1	
105 4-Chlorotoluene	126	8.481	8.481	0.0	95	211058	24.4	
106 tert-Butylbenzene	134	8.712	8.712	0.0	90	164826	25.3	
107 1,2,4-Trimethylbenzene	105	8.755	8.755	0.0	96	689643	24.5	
109 sec-Butylbenzene	105	8.889	8.889	0.0	93	883317	25.9	
110 4-Isopropyltoluene	119	9.004	9.004	0.0	97	728523	26.2	
111 1,3-Dichlorobenzene	146	9.004	9.004	0.0	72	416630	24.6	
113 1,4-Dichlorobenzene	146	9.077	9.077	0.0	96	423721	24.3	
115 n-Butylbenzene	91	9.345	9.345	0.0	96	613104	26.8	
116 1,2-Dichlorobenzene	146	9.388	9.388	0.0	98	418025	24.9	
117 1,2-Dibromo-3-Chloropropane	75	10.039	10.039	0.0	82	34079	22.5	
119 1,2,4-Trichlorobenzene	180	10.708	10.708	0.0	95	200717	20.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.829	10.829	0.0	97	87978	27.3	
121 Naphthalene	128	10.915	10.915	0.0	96	399654	17.8	
122 1,2,3-Trichlorobenzene	180	11.109	11.109	0.0	94	126136	16.6	
S 123 Total BTEX	1				0		152.5	
S 124 Xylenes, Total	1				0		79.3	
S 125 1,2-Dichloroethene, Total	1				0		48.4	
S 126 1,3-Dichloropropene, Total	1				0		48.1	

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9311.D
Injection Date: 09-Jul-2013 08:58:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973Q
Lims Batch ID: 127928 Lims Sample ID: 2
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm
Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6992.D
Lims ID: BFB Client ID:
Inject. Date: 11-Apr-2013 11:23:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0020501-001
Operator: TRB Instrument ID: HP5973Q
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 112223 Lims Sample ID: 1
Detector: MS SCAN

Method: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q-8260.m
Last Update: 11-Apr-2013 11:32:33 Calib Date: 10-Apr-2013 14:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130410-20456.b\Q6982.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK005

First Level Reviewer: BrandtT

Date: 11-Apr-2013 11:32:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags

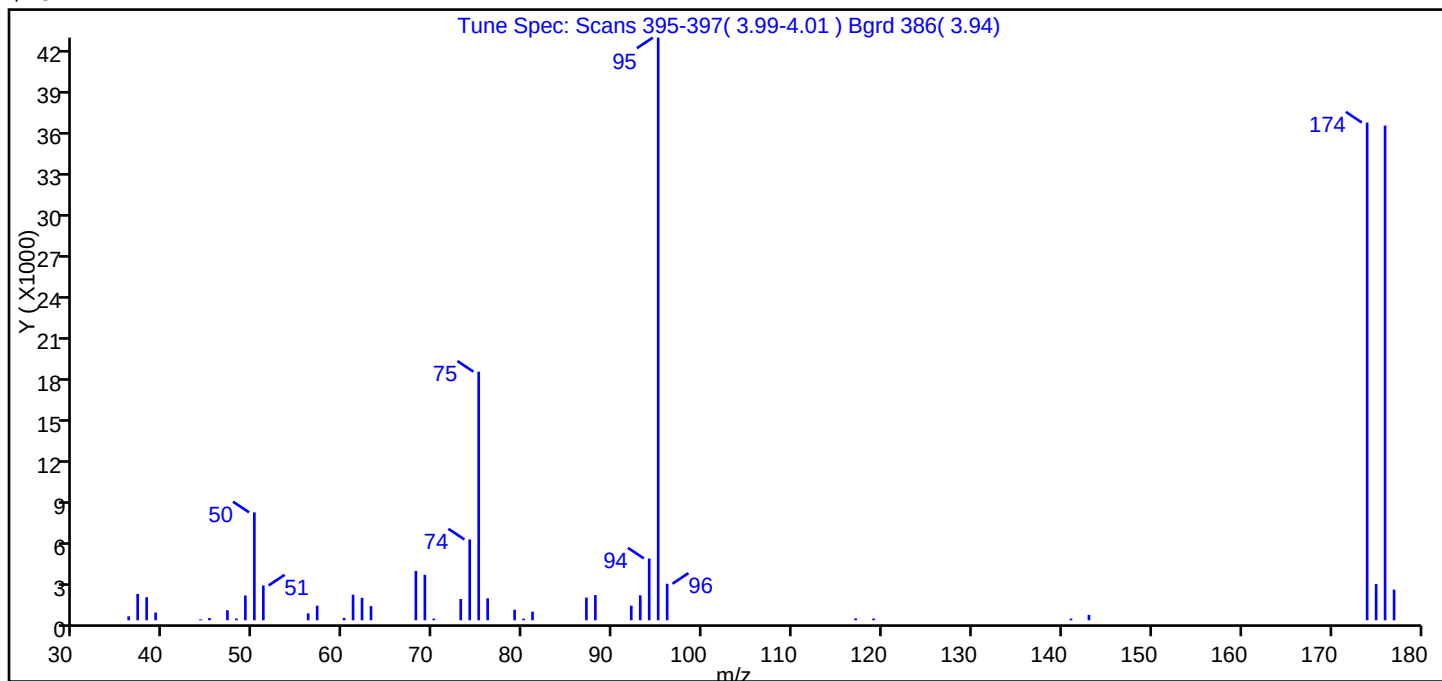
\$ 61 BFB

95 4.000 4.000 0.0 0 110713 0

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6992.D
Injection Date: 11-Apr-2013 11:23:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973Q
Lims Batch ID: 112223 Lims Sample ID: 1
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm
Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.52
75	30.00 - 60.00% of mass 95	42.66
96	5.00 - 9.00% of mass 95	6.27
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	85.42
175	5.00 - 9.00% of mass 174	6.21 (7.27)
176	95.00 - 101.00% of mass 174	84.89 (99.38)
177	5.00 - 9.00% of mass 176	5.26 (6.19)

Data File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6992.D\Q-8260.rslt\spectra.d
Injection Date: 11-Apr-2013 11:23:30
Spectrum: Tune Spec: Scans 395-397(3.99-4.01) Bgrd 386(3.94)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 42

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	289	56.00	502	75.00	18144	96.00	2665
37.00	1922	57.00	1067	76.00	1606	117.00	135
38.00	1681	60.00	166	79.00	765	119.00	121
39.00	564	61.00	1863	80.00	117	141.00	119
44.00	74	62.00	1635	81.00	623	143.00	391
45.00	157	63.00	1034	87.00	1655	174.00	36328
47.00	732	68.00	3601	88.00	1841	175.00	2640
48.00	123	69.00	3314	92.00	1059	176.00	36104
49.00	1808	70.00	119	93.00	1820	177.00	2236
50.00	7877	73.00	1553	94.00	4510		
51.00	2539	74.00	5897	95.00	42528		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9259.D
Lims ID: BFB Client ID:
Inject. Date: 07-Jul-2013 20:43:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0023255-002
Operator: CDC Instrument ID: HP5973Q
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 127701 Lims Sample ID: 2
Detector: MS SCAN

Method: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q-8260.m
Last Update: 07-Jul-2013 20:56:03 Calib Date: 11-Apr-2013 14:40:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK033

First Level Reviewer: cwiklinc

Date: 07-Jul-2013 20:56:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags

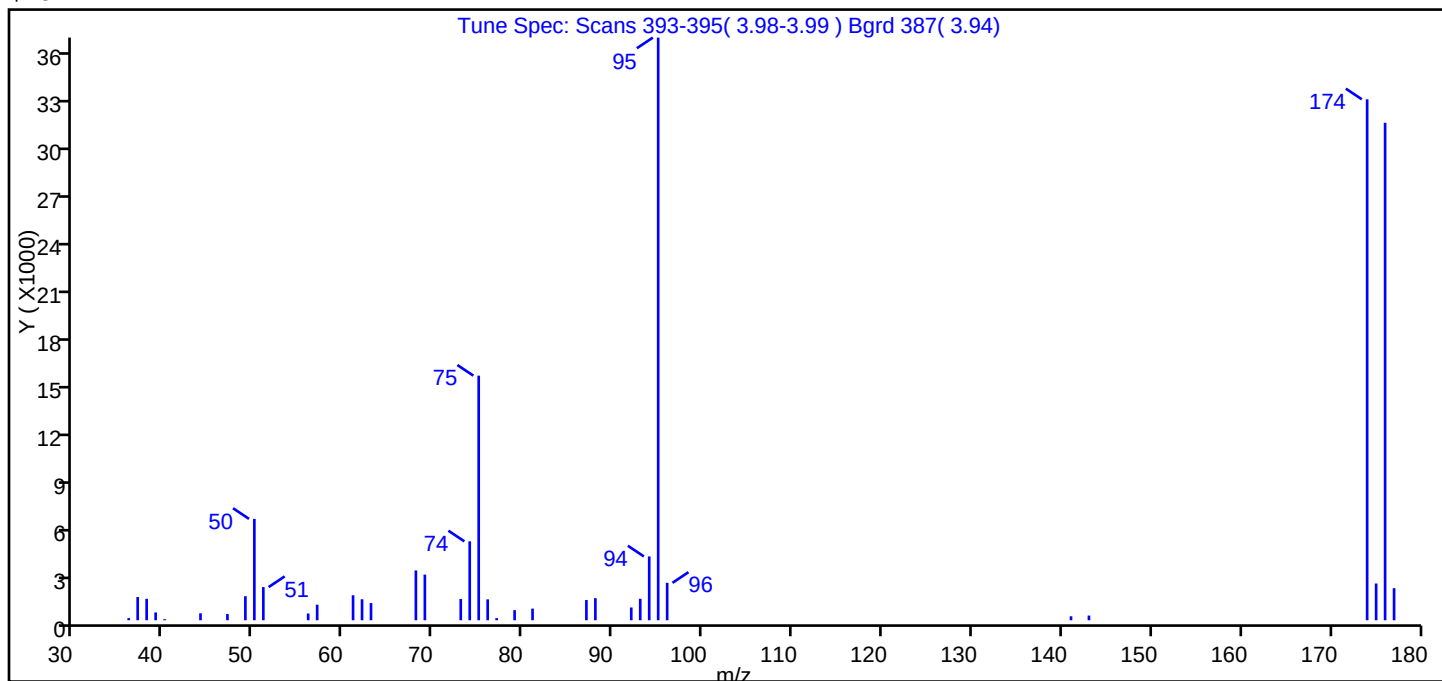
\$ 61 BFB

95 3.985 3.985 0.0 0 70273 0

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9259.D
Injection Date: 07-Jul-2013 20:43:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973Q
Lims Batch ID: 127701 Lims Sample ID: 2
Operator ID: CDC Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm
Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.40
75	30.00 - 60.00% of mass 95	41.98
96	5.00 - 9.00% of mass 95	6.43
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	89.41
175	5.00 - 9.00% of mass 174	6.31 (7.05)
176	95.00 - 101.00% of mass 174	85.38 (95.49)
177	5.00 - 9.00% of mass 176	5.51 (6.45)

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9259.D\Q-8260.rslt\spectra.d
Injection Date: 07-Jul-2013 20:43:30
Spectrum: Tune Spec: Scans 393-395(3.98-3.99) Bgrd 387(3.94)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 37

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	134	56.00	419	76.00	1295	96.00	2320
37.00	1440	57.00	964	77.00	133	141.00	246
38.00	1328	61.00	1548	79.00	628	143.00	291
39.00	487	62.00	1302	81.00	721	174.00	32280
40.00	68	63.00	1064	87.00	1253	175.00	2277
44.00	433	68.00	3088	88.00	1370	176.00	30824
47.00	385	69.00	2829	92.00	792	177.00	1989
49.00	1490	73.00	1317	93.00	1331		
50.00	6281	74.00	4888	94.00	3955		
51.00	2056	75.00	15155	95.00	36104		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9284.D
Lims ID: BFB Client ID:
Inject. Date: 08-Jul-2013 14:12:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0023280-001
Operator: TRB Instrument ID: HP5973Q
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 127825 Lims Sample ID: 1
Detector: MS SCAN

Method: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q-8260.m
Last Update: 08-Jul-2013 14:21:20 Calib Date: 11-Apr-2013 14:40:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK006

First Level Reviewer: BrandtT

Date: 08-Jul-2013 14:21:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags

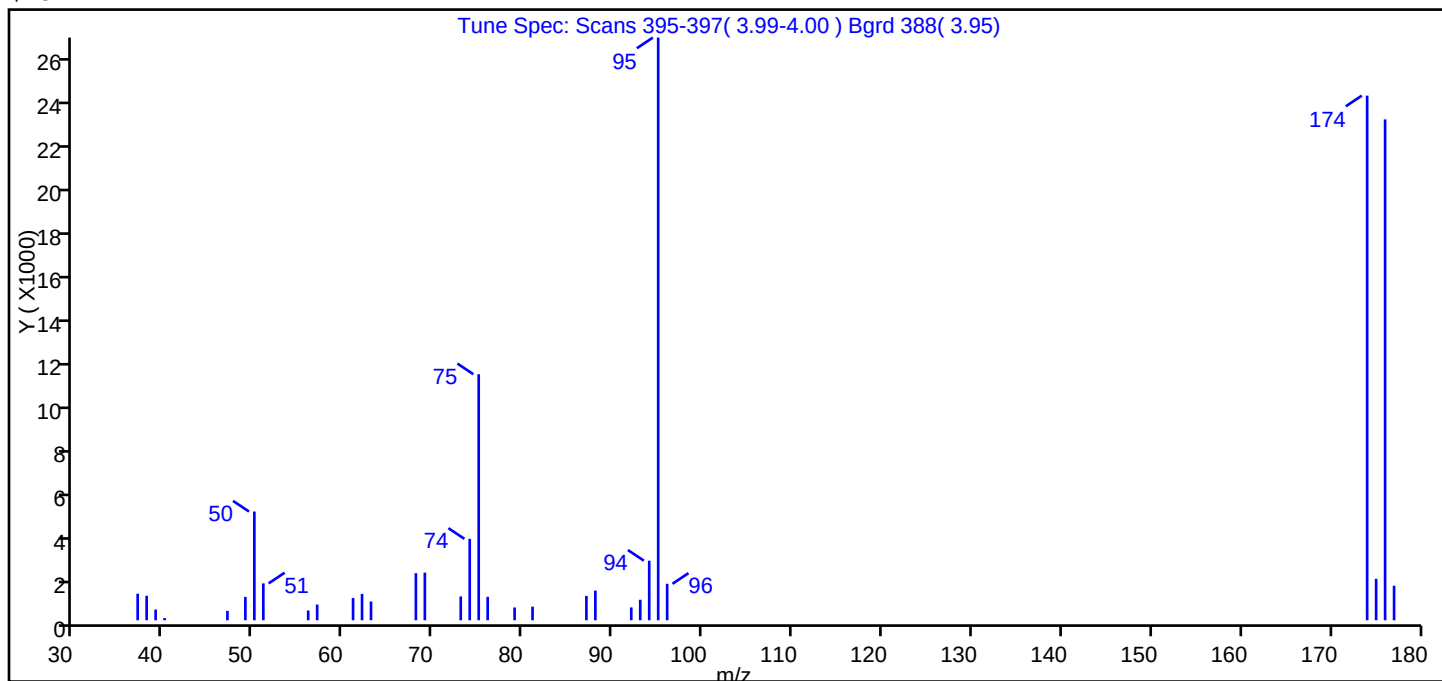
\$ 61 BFB

95 3.996 3.996 0.0 0 75681 0

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9284.D
Injection Date: 08-Jul-2013 14:12:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973Q
Lims Batch ID: 127825 Lims Sample ID: 1
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm
Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.66
75	30.00 - 60.00% of mass 95	42.23
96	5.00 - 9.00% of mass 95	6.26
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	90.04
175	5.00 - 9.00% of mass 174	7.11 (7.90)
176	95.00 - 101.00% of mass 174	85.96 (95.47)
177	5.00 - 9.00% of mass 176	5.93 (6.90)

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9284.D\Q-8260.rslt\spectra.d
Injection Date: 08-Jul-2013 14:12:30
Spectrum: Tune Spec: Scans 395-397(3.99-4.00) Bgrd 388(3.95)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 32

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1207	56.00	444	74.00	3702	93.00	932
38.00	1114	57.00	714	75.00	11188	94.00	2709
39.00	488	61.00	1013	76.00	1066	95.00	26496
40.00	102	62.00	1198	79.00	582	96.00	1658
47.00	426	63.00	853	81.00	618	174.00	23856
49.00	1061	68.00	2139	87.00	1108	175.00	1885
50.00	4943	69.00	2167	88.00	1348	176.00	22776
51.00	1677	73.00	1084	92.00	583	177.00	1572

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9310.D
Lims ID: BFB Client ID:
Inject. Date: 09-Jul-2013 08:38:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0023298-001
Operator: TRB Instrument ID: HP5973Q
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 127928 Lims Sample ID: 1
Detector: MS SCAN

Method: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q-8260.m
Last Update: 09-Jul-2013 08:48:51 Calib Date: 11-Apr-2013 14:40:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK035

First Level Reviewer: quirkp

Date: 09-Jul-2013 08:48:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags

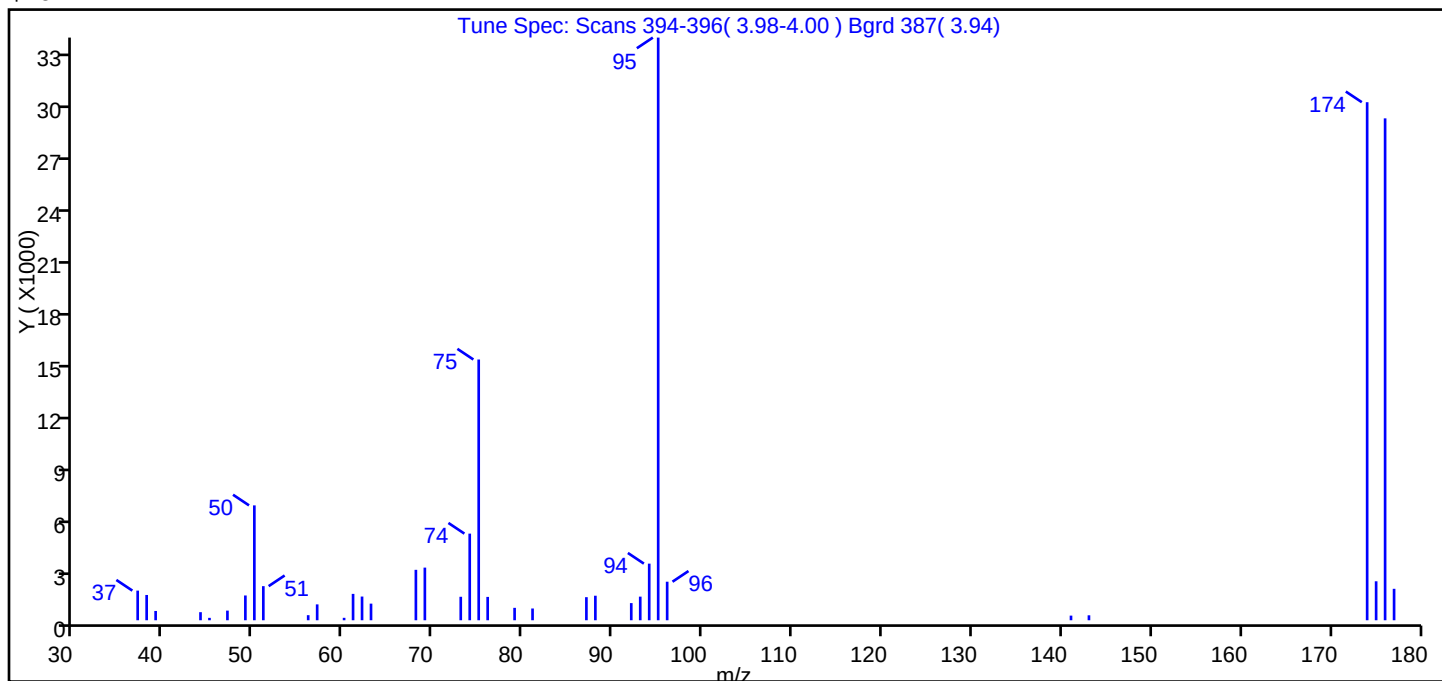
\$ 61 BFB

95 3.990 3.990 0.0 0 71971 0

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9310.D
Injection Date: 09-Jul-2013 08:38:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973Q
Lims Batch ID: 127928 Lims Sample ID: 1
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm
Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.71
75	30.00 - 60.00% of mass 95	44.75
96	5.00 - 9.00% of mass 95	6.61
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	88.91
175	5.00 - 9.00% of mass 174	6.69 (7.52)
176	95.00 - 101.00% of mass 174	86.14 (96.88)
177	5.00 - 9.00% of mass 176	5.40 (6.27)

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9310.D\Q-8260.rslt\spectra.d
Injection Date: 09-Jul-2013 08:38:30
Spectrum: Tune Spec: Scans 394-396(3.98-4.00) Bgrd 387(3.94)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 36

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1688	56.00	289	74.00	4934	94.00	3225
38.00	1440	57.00	904	75.00	14850	95.00	33184
39.00	529	60.00	139	76.00	1330	96.00	2195
44.00	460	61.00	1502	79.00	707	141.00	264
45.00	137	62.00	1350	81.00	670	143.00	282
47.00	549	63.00	947	87.00	1315	174.00	29504
49.00	1411	68.00	2872	88.00	1397	175.00	2220
50.00	6542	69.00	2998	92.00	977	176.00	28584
51.00	1942	73.00	1337	93.00	1345	177.00	1791

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-127701/5

Matrix: Water Lab File ID: Q9262.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2013 22:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 127701 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.: 480-41198-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-127701/5
 Matrix: Water Lab File ID: Q9262.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 07/07/2013 22:20
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 127701 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)	103		73-120
2037-26-5	Toluene-d8 (Surr)	104		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9262.D
 Lims ID: MB Client ID:
 Inject. Date: 07-Jul-2013 22:20:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0023255-005
 Operator: CDC Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 3
 Lims Batch ID: 127701 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q-8260.m
 Last Update: 07-Jul-2013 22:55:44 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK033

First Level Reviewer: cwiklinc

Date: 07-Jul-2013 22:55:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.010	5.006	0.004	93	641490	25.0	
* 2 Chlorobenzene-d5	82	7.200	7.196	0.004	81	269583	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.061	9.057	0.004	93	292343	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.699	4.702	-0.003	94	92035	24.5	
\$ 5 Toluene-d8 (Surr)	98	6.093	6.089	0.004	93	684340	26.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.124	8.127	-0.003	95	218834	25.7	
10 Dichlorodifluoromethane	85		1.362					
12 Chloromethane	50		1.508					9
13 Vinyl chloride	62		1.599					
11 Chlorodifluoromethane	51		1.687					
14 Bromomethane	94		1.879					
15 Chloroethane	64		1.964					9
17 Trichlorofluoromethane	101		2.195					
16 Dichlorofluoromethane	67		2.431					
18 Ethyl ether	59		2.461					
20 Acrolein	56		2.603					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.652					
22 1,1-Dichloroethene	96		2.658					
19 Propene oxide	58		2.741					
23 Acetone	43		2.743					
25 Iodomethane	142		2.791					
26 Carbon disulfide	76		2.834					
24 Isopropyl alcohol	45		2.925					
29 Acetonitrile	40		2.986					9
27 Methyl acetate	43		3.010					
28 3-Chloro-1-propene	41		3.053					
30 Methylene Chloride	84		3.090					
31 2-Methyl-2-propanol	59		3.283					
32 Methyl tert-butyl ether	73		3.290					
34 trans-1,2-Dichloroethene	96		3.296					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
33 Acrylonitrile	53		3.309					
35 Hexane	57		3.477					
36 Isopropyl ether	45		3.571					
39 1,1-Dichloroethane	63		3.637					
40 2-Chloro-1,3-butadiene	53		3.638					
37 Vinyl acetate	43		3.680					
38 1,1-Dimethoxyethane	75		3.721					
41 Tert-butyl ethyl ether	59		3.802					
46 Propionitrile	54		4.016					
44 2,2-Dichloropropane	77		4.069					
45 cis-1,2-Dichloroethene	96		4.087					
42 Ethyl acetate	43		4.104					
43 2-Butanone (MEK)	43		4.105					
47 Methacrylonitrile	41		4.107					
48 Chlorobromomethane	128		4.276					
49 Tetrahydrofuran	42		4.300					
50 Chloroform	83		4.331					9
51 1,1,1-Trichloroethane	97		4.446					
53 Isobutyl alcohol	43		4.463					
52 Cyclohexane	56		4.470					
56 Tert-amyl methyl ether	73		4.546					
55 Carbon tetrachloride	117		4.562					
54 1,1-Dichloropropene	75		4.568					
59 n-Heptane	43		4.619					
57 Benzene	78		4.726					9
58 1,2-Dichloroethane	62		4.756					
60 n-Butanol	56		4.822					9
66 1,4-Dioxane	88		5.004					9
62 Trichloroethene	95		5.201					9
63 Methyl methacrylate	41		5.308					
64 Methylcyclohexane	83		5.316					
65 1,2-Dichloropropane	63		5.371					
70 2-Nitropropane	43		5.430					
67 Dibromomethane	93		5.474					
71 Epichlorohydrin	57		5.534					
68 Dichlorobromomethane	83		5.584					
69 2-Chloroethyl vinyl ether	63		5.791					
72 cis-1,3-Dichloropropene	75		5.906					
76 2-Methylthiophene	97		5.918					
78 3-Methylthiophene	97		5.934					
73 4-Methyl-2-pentanone (MIBK)	43		6.004					9
74 Toluene	92		6.137					9
77 trans-1,3-Dichloropropene	75		6.326					
75 Ethyl methacrylate	69		6.362					
79 1,1,2-Trichloroethane	83		6.466					
81 Tetrachloroethene	166		6.551					9
82 1,3-Dichloropropane	76		6.594					
80 2-Hexanone	43		6.630					
83 Chlorodibromomethane	129		6.770					
85 3-Chlorobenzotrifluoride	180		6.796					
86 4-Chlorobenzotrifluoride	180		6.838					
84 Ethylene Dibromide	107		6.855					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
87 Chlorobenzene	112		7.220				9	
89 1,1,1,2-Tetrachloroethane	131		7.287					
88 Ethylbenzene	91		7.287				9	
90 m-Xylene & p-Xylene	106		7.378					
93 2-Chlorobenzotrifluoride	180		7.527					
91 o-Xylene	106		7.695				9	
92 Styrene	104		7.713					
96 Cyclohexanone	55		7.735					
95 Bromoform	173		7.889					
94 Isopropylbenzene	105		7.981				9	
104 3-Chlorotoluene	126		8.082					
101 Bromobenzene	156		8.248					
97 1,1,2,2-Tetrachloroethane	83		8.254					
108 Pentachloroethane	167		8.265					
100 1,2,3-Trichloropropane	110		8.291					
98 trans-1,4-Dichloro-2-butene	53		8.291					
99 N-Propylbenzene	91		8.309				9	
103 2-Chlorotoluene	126		8.394					
102 1,3,5-Trimethylbenzene	105		8.449				9	
105 4-Chlorotoluene	126		8.486					
106 tert-Butylbenzene	134		8.711					
114 Dicyclopentadiene	66		8.715					
107 1,2,4-Trimethylbenzene	105		8.753				9	
109 sec-Butylbenzene	105		8.893				9	
112 1,2,3-Trimethylbenzene	105		9.007				9	
111 1,3-Dichlorobenzene	146		9.009				9	
110 4-Isopropyltoluene	119		9.009				9	
113 1,4-Dichlorobenzene	146		9.082				9	
115 n-Butylbenzene	91		9.343				9	
116 1,2-Dichlorobenzene	146		9.386				9	
118 1,3,5-Trichlorobenzene	180		9.850					
117 1,2-Dibromo-3-Chloropropane	75		10.043					
119 1,2,4-Trichlorobenzene	180		10.712				9	
120 Hexachlorobutadiene	225		10.828				9	
121 Naphthalene	128		10.913				9	
122 1,2,3-Trichlorobenzene	180		11.108				9	
S 123 Total BTEX	1		30.000				7	
S 124 Xylenes, Total	1		30.000				7	
S 125 1,2-Dichloroethene, Total	1		30.000				7	
S 126 1,3-Dichloropropene, Total	1		30.000				7	
T 127 Ethanol TIC	45		0.000				1	
T 128 Hexachloroethane TIC	1		0.000				1	
T 9 bis(2-chloromethyl)ether TIC	1		0.000				1	
T 8 t-Amyl alcohol	59		0.000				1	
T 7 Ethylene oxide	44		1.872					

QC Flag Legend

Processing Flags

1 - Missing Peaks

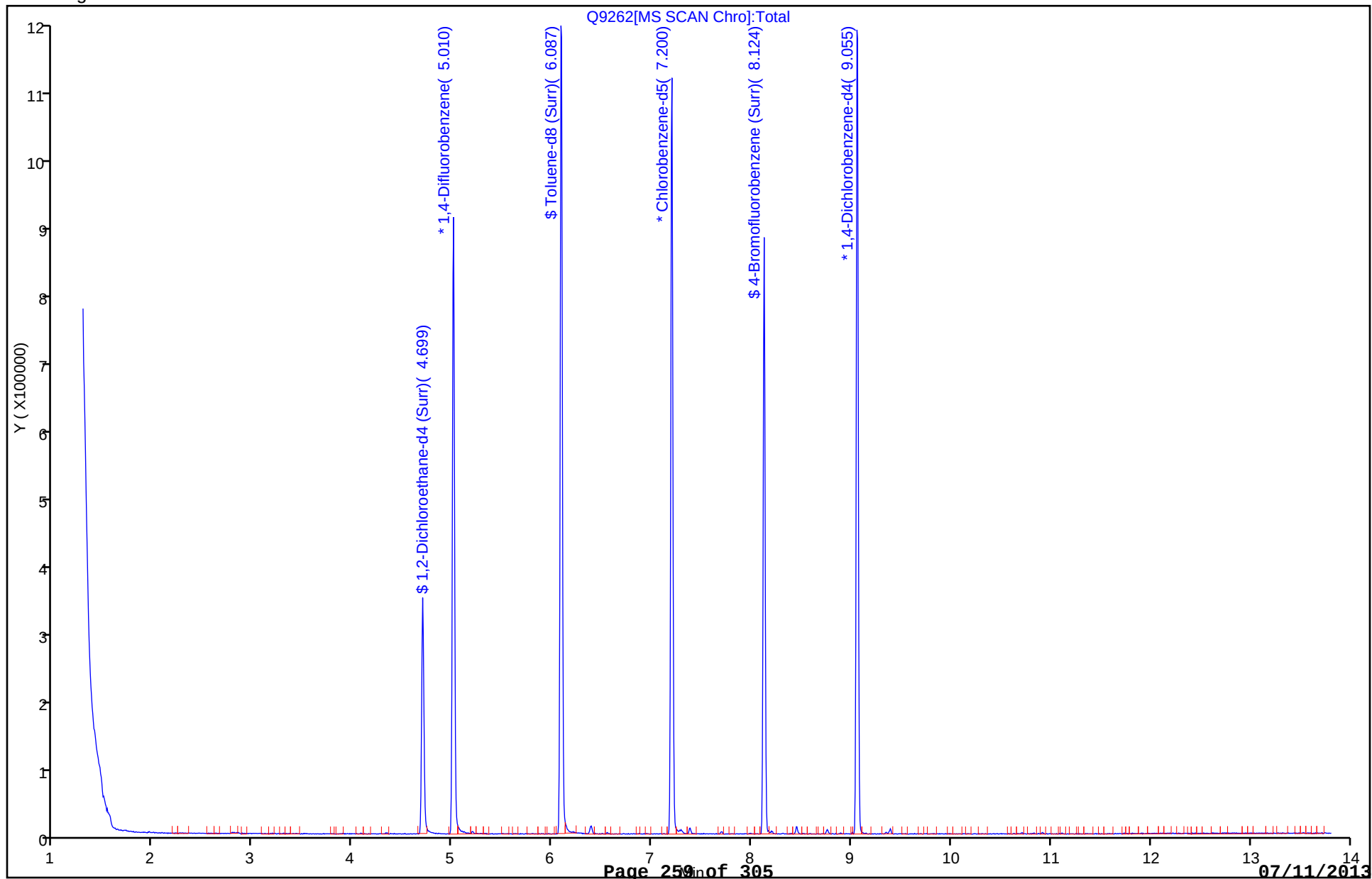
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9262.D
Injection Date: 07-Jul-2013 22:20:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973Q
Lims Batch ID: 127701 Lims Sample ID: 5
Operator ID: CDC Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-127825/4

Matrix: Water Lab File ID: Q9287.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 15:31

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.: 127825 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.: 480-41198-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-127825/4
 Matrix: Water Lab File ID: Q9287.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 15:31
 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.: 127825 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)	104		66-137
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	101		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9287.D
 Lims ID: MB Client ID:
 Inject. Date: 08-Jul-2013 15:31:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0023280-004
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 4
 Lims Batch ID: 127825 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q-8260.m
 Last Update: 08-Jul-2013 15:49:02 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK006

First Level Reviewer: BrandtT

Date: 08-Jul-2013 15:49:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.006	5.005	0.001	94	557860	25.0	
* 2 Chlorobenzene-d5	82	7.196	7.195	0.001	84	248538	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.057	9.057	0.0	93	266938	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.701	4.695	0.006	86	85364	26.1	
\$ 5 Toluene-d8 (Surr)	98	6.089	6.088	0.001	93	615491	25.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.126	8.126	0.0	96	199054	25.3	
10 Dichlorodifluoromethane	85		1.355					
12 Chloromethane	50		1.501					
13 Vinyl chloride	62		1.592					
11 Chlorodifluoromethane	51		1.687					
14 Bromomethane	94		1.866					
15 Chloroethane	64		1.951					
17 Trichlorofluoromethane	101		2.188					
16 Dichlorofluoromethane	67		2.431					
18 Ethyl ether	59		2.461					
20 Acrolein	56		2.602					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.645					
22 1,1-Dichloroethene	96		2.651					
19 Propene oxide	58		2.741					
23 Acetone	43		2.742					
25 Iodomethane	142		2.785					9
26 Carbon disulfide	76		2.827					
24 Isopropyl alcohol	45		2.925					
29 Acetonitrile	40		2.985					
27 Methyl acetate	43		3.004					
28 3-Chloro-1-propene	41		3.053					
30 Methylene Chloride	84		3.083					
31 2-Methyl-2-propanol	59		3.283					
32 Methyl tert-butyl ether	73		3.290					
34 trans-1,2-Dichloroethene	96		3.296					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
33 Acrylonitrile	53		3.302					
35 Hexane	57		3.477					
36 Isopropyl ether	45		3.571					
39 1,1-Dichloroethane	63		3.636					
40 2-Chloro-1,3-butadiene	53		3.638					
37 Vinyl acetate	43		3.673					
38 1,1-Dimethoxyethane	75		3.721					
41 Tert-butyl ethyl ether	59		3.802					
46 Propionitrile	54		4.016					
44 2,2-Dichloropropane	77		4.068					
45 cis-1,2-Dichloroethene	96		4.086					
43 2-Butanone (MEK)	43		4.099					
42 Ethyl acetate	43		4.104					
47 Methacrylonitrile	41		4.107					
48 Chlorobromomethane	128		4.269					
49 Tetrahydrofuran	42		4.299					
50 Chloroform	83		4.330					9
51 1,1,1-Trichloroethane	97		4.445					
53 Isobutyl alcohol	43		4.463					
52 Cyclohexane	56		4.470					
56 Tert-amyl methyl ether	73		4.546					
55 Carbon tetrachloride	117		4.561					
54 1,1-Dichloropropene	75		4.567					
59 n-Heptane	43		4.619					
57 Benzene	78		4.719					9
58 1,2-Dichloroethane	62		4.756					
60 n-Butanol	56		4.822					9
66 1,4-Dioxane	88		5.004					9
62 Trichloroethene	95		5.194					9
63 Methyl methacrylate	41		5.308					
64 Methylcyclohexane	83		5.315					
65 1,2-Dichloropropane	63		5.370					
70 2-Nitropropane	43		5.430					
67 Dibromomethane	93		5.467					
71 Epichlorohydrin	57		5.534					
68 Dichlorobromomethane	83		5.583					
69 2-Chloroethyl vinyl ether	63		5.790					
72 cis-1,3-Dichloropropene	75		5.905					
76 2-Methylthiophene	97		5.918					
78 3-Methylthiophene	97		5.934					
73 4-Methyl-2-pentanone (MIBK)	43		6.003					9
74 Toluene	92		6.137					9
77 trans-1,3-Dichloropropene	75		6.325					
75 Ethyl methacrylate	69		6.362					
79 1,1,2-Trichloroethane	83		6.465					
81 Tetrachloroethene	166		6.550					9
82 1,3-Dichloropropane	76		6.593					
80 2-Hexanone	43		6.629					
83 Chlorodibromomethane	129		6.769					
85 3-Chlorobenzotrifluoride	180		6.796					
86 4-Chlorobenzotrifluoride	180		6.838					
84 Ethylene Dibromide	107		6.854					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
87 Chlorobenzene	112		7.219				9	
89 1,1,1,2-Tetrachloroethane	131		7.286					
88 Ethylbenzene	91		7.286				9	
90 m-Xylene & p-Xylene	106		7.378					
93 2-Chlorobenzotrifluoride	180		7.527					
91 o-Xylene	106		7.694				9	
92 Styrene	104		7.712					
96 Cyclohexanone	55		7.735					
95 Bromoform	173		7.889					
94 Isopropylbenzene	105		7.980				9	
104 3-Chlorotoluene	126		8.082					
101 Bromobenzene	156		8.248					
97 1,1,2,2-Tetrachloroethane	83		8.254					
108 Pentachloroethane	167		8.265					
100 1,2,3-Trichloropropane	110		8.290					
98 trans-1,4-Dichloro-2-butene	53		8.290					
99 N-Propylbenzene	91		8.308				9	
103 2-Chlorotoluene	126		8.394					
102 1,3,5-Trimethylbenzene	105		8.448				9	
105 4-Chlorotoluene	126		8.485					
106 tert-Butylbenzene	134		8.710					
114 Dicyclopentadiene	66		8.715					
107 1,2,4-Trimethylbenzene	105		8.752				9	
109 sec-Butylbenzene	105		8.892				9	
112 1,2,3-Trimethylbenzene	105		9.007				9	
111 1,3-Dichlorobenzene	146		9.008				9	
110 4-Isopropyltoluene	119		9.008				9	
113 1,4-Dichlorobenzene	146		9.081				9	
115 n-Butylbenzene	91		9.343				9	
116 1,2-Dichlorobenzene	146		9.391				9	
118 1,3,5-Trichlorobenzene	180		9.850					
117 1,2-Dibromo-3-Chloropropane	75		10.042					
119 1,2,4-Trichlorobenzene	180		10.711				9	
120 Hexachlorobutadiene	225		10.833					
121 Naphthalene	128		10.912				9	
122 1,2,3-Trichlorobenzene	180		11.107				9	
S 125 1,2-Dichloroethene, Total	1		30.000				7	
S 126 1,3-Dichloropropene, Total	1		30.000				7	
S 123 Total BTEX	1		30.000				7	
S 124 Xylenes, Total	1		30.000				7	
T 9 bis(2-chloromethyl)ether TIC	1		0.000				1	
T 8 t-Amyl alcohol	59		0.000				1	
T 127 Ethanol TIC	45		0.000				1	
T 128 Hexachloroethane TIC	1		0.000				1	
T 7 Ethylene oxide	44		1.872					

QC Flag Legend

Processing Flags

1 - Missing Peaks

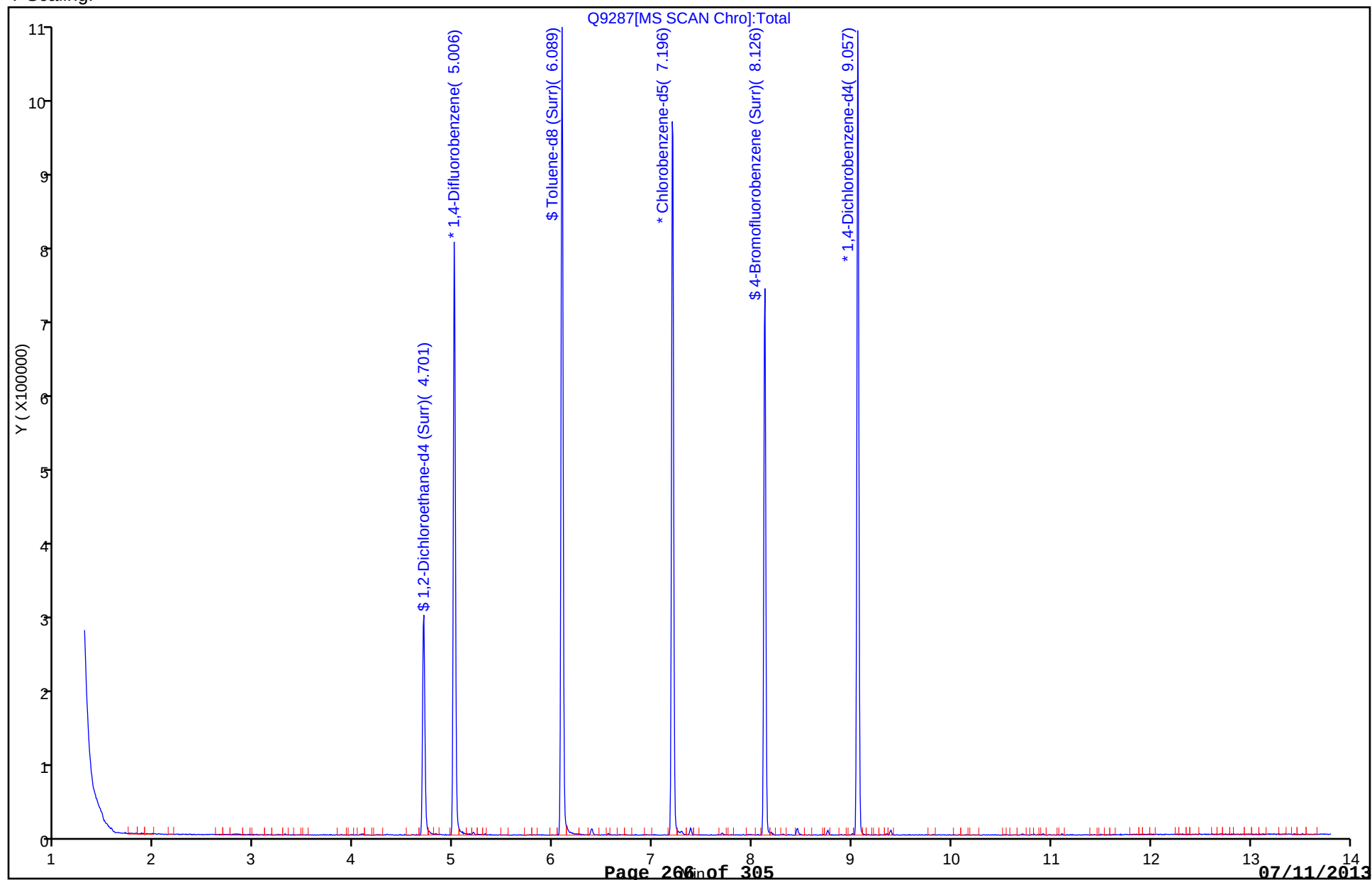
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9287.D
Injection Date: 08-Jul-2013 15:31:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973Q
Lims Batch ID: 127825 Lims Sample ID: 4
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-127928/4

Matrix: Water Lab File ID: Q9313.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 07/09/2013 10:02

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

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

Analysis Batch No.: 127928 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.: 480-41198-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-127928/4
 Matrix: Water Lab File ID: Q9313.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 07/09/2013 10:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 127928 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)	103		66-137
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9313.D
 Lims ID: MB Client ID:
 Inject. Date: 09-Jul-2013 10:02:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0023298-004
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 4
 Lims Batch ID: 127928 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q-8260.m
 Last Update: 09-Jul-2013 10:19:02 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK035

First Level Reviewer: quirkp

Date: 09-Jul-2013 10:19:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.006	5.008	-0.002	93	529661	25.0	
* 2 Chlorobenzene-d5	82	7.196	7.198	-0.002	83	235909	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.057	9.059	-0.002	93	256669	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.695	4.697	-0.002	87	79988	25.8	
\$ 5 Toluene-d8 (Surr)	98	6.088	6.090	-0.002	93	589563	25.5	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.126	8.122	0.004	95	188525	25.3	
10 Dichlorodifluoromethane	85		1.357					
12 Chloromethane	50		1.503					
13 Vinyl chloride	62		1.595					
11 Chlorodifluoromethane	51		1.687					
14 Bromomethane	94		1.868					
15 Chloroethane	64		1.954					
17 Trichlorofluoromethane	101		2.191					
16 Dichlorofluoromethane	67		2.431					
18 Ethyl ether	59		2.461					
20 Acrolein	56		2.598					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.647					
22 1,1-Dichloroethene	96		2.653					
23 Acetone	43		2.738					
19 Propene oxide	58		2.741					
25 Iodomethane	142		2.787					
26 Carbon disulfide	76		2.830					
24 Isopropyl alcohol	45		2.925					
29 Acetonitrile	40		2.988					
27 Methyl acetate	43		3.006					
28 3-Chloro-1-propene	41		3.053					
30 Methylene Chloride	84		3.085					
31 2-Methyl-2-propanol	59		3.283					
32 Methyl tert-butyl ether	73		3.286					9
34 trans-1,2-Dichloroethene	96		3.292					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
33 Acrylonitrile	53		3.304					
35 Hexane	57		3.477					
36 Isopropyl ether	45		3.571					
39 1,1-Dichloroethane	63		3.633					
40 2-Chloro-1,3-butadiene	53		3.638					
37 Vinyl acetate	43		3.675					
38 1,1-Dimethoxyethane	75		3.721					
41 Tert-butyl ethyl ether	59		3.802					
46 Propionitrile	54		4.016					
44 2,2-Dichloropropane	77		4.065					
45 cis-1,2-Dichloroethene	96		4.083					9
43 2-Butanone (MEK)	43		4.101					
42 Ethyl acetate	43		4.104					
47 Methacrylonitrile	41		4.107					
48 Chlorobromomethane	128		4.271					
49 Tetrahydrofuran	42		4.296					
50 Chloroform	83		4.332					9
51 1,1,1-Trichloroethane	97		4.442					
53 Isobutyl alcohol	43		4.463					
52 Cyclohexane	56		4.466					
56 Tert-amyl methyl ether	73		4.546					
55 Carbon tetrachloride	117		4.563					
54 1,1-Dichloropropene	75		4.563					
59 n-Heptane	43		4.619					
57 Benzene	78		4.722					9
58 1,2-Dichloroethane	62		4.752					9
60 n-Butanol	56		4.822					9
66 1,4-Dioxane	88		5.004					9
62 Trichloroethene	95		5.196					
63 Methyl methacrylate	41		5.308					
64 Methylcyclohexane	83		5.312					
65 1,2-Dichloropropane	63		5.366					
70 2-Nitropropane	43		5.430					
67 Dibromomethane	93		5.470					
71 Epichlorohydrin	57		5.534					
68 Dichlorobromomethane	83		5.585					
69 2-Chloroethyl vinyl ether	63		5.786					
72 cis-1,3-Dichloropropene	75		5.902					
76 2-Methylthiophene	97		5.918					
78 3-Methylthiophene	97		5.934					
73 4-Methyl-2-pentanone (MIBK)	43		6.005					9
74 Toluene	92		6.139					
77 trans-1,3-Dichloropropene	75		6.322					
75 Ethyl methacrylate	69		6.358					
79 1,1,2-Trichloroethane	83		6.468					
81 Tetrachloroethene	166		6.553					
82 1,3-Dichloropropane	76		6.589					
80 2-Hexanone	43		6.632					
83 Chlorodibromomethane	129		6.772					
85 3-Chlorobenzotrifluoride	180		6.796					
86 4-Chlorobenzotrifluoride	180		6.838					
84 Ethylene Dibromide	107		6.857					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
87 Chlorobenzene	112		7.222				9	
89 1,1,1,2-Tetrachloroethane	131		7.283					
88 Ethylbenzene	91		7.289				9	
90 m-Xylene & p-Xylene	106		7.380					
93 2-Chlorobenzotrifluoride	180		7.527					
91 o-Xylene	106		7.696				9	
92 Styrene	104		7.709					
96 Cyclohexanone	55		7.735					
95 Bromoform	173		7.891					
94 Isopropylbenzene	105		7.976				9	
104 3-Chlorotoluene	126		8.082					
101 Bromobenzene	156		8.250					
97 1,1,2,2-Tetrachloroethane	83		8.256					
108 Pentachloroethane	167		8.265					
100 1,2,3-Trichloropropane	110		8.287					
98 trans-1,4-Dichloro-2-butene	53		8.293					
99 N-Propylbenzene	91		8.311					
103 2-Chlorotoluene	126		8.396					
102 1,3,5-Trimethylbenzene	105		8.451				9	
105 4-Chlorotoluene	126		8.481					
106 tert-Butylbenzene	134		8.712					
114 Dicyclopentadiene	66		8.715					
107 1,2,4-Trimethylbenzene	105		8.755					
109 sec-Butylbenzene	105		8.889				9	
110 4-Isopropyltoluene	119		9.004				9	
111 1,3-Dichlorobenzene	146		9.004				9	
112 1,2,3-Trimethylbenzene	105		9.007					
113 1,4-Dichlorobenzene	146		9.077				9	
115 n-Butylbenzene	91		9.345				9	
116 1,2-Dichlorobenzene	146		9.388					
118 1,3,5-Trichlorobenzene	180		9.850					
117 1,2-Dibromo-3-Chloropropane	75		10.039					
119 1,2,4-Trichlorobenzene	180		10.708				9	
120 Hexachlorobutadiene	225		10.829					
121 Naphthalene	128		10.915				9	
122 1,2,3-Trichlorobenzene	180		11.109				9	
S 123 Total BTEX	1		30.000				7	
S 124 Xylenes, Total	1		30.000				7	
S 125 1,2-Dichloroethene, Total	1		30.000				7	
S 126 1,3-Dichloropropene, Total	1		30.000				7	
T 127 Ethanol TIC	45		0.000				1	
T 128 Hexachloroethane TIC	1		0.000				1	
T 9 bis(2-chloromethyl)ether TIC	1		0.000				1	
T 8 t-Amyl alcohol	59		0.000				1	
T 7 Ethylene oxide	44		1.872					

QC Flag Legend

Processing Flags

1 - Missing Peaks

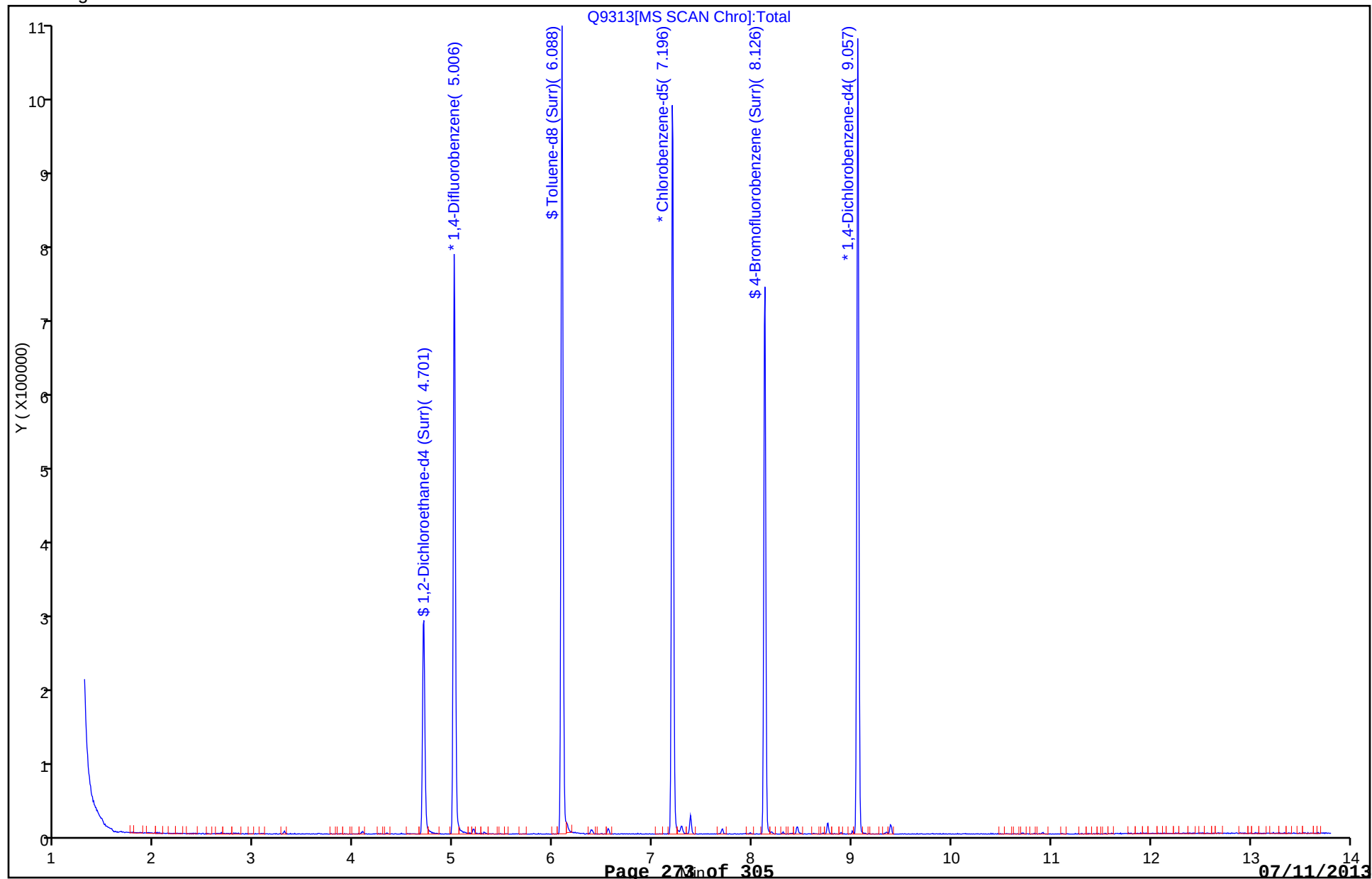
7 - Failed Limit of Detection

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9313.D
Injection Date: 09-Jul-2013 10:02:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973Q
Lims Batch ID: 127928 Lims Sample ID: 4
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-127701/4
 Matrix: Water Lab File ID: Q9261.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 07/07/2013 21:53
 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.: 127701 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	22.1		1.0	0.38
75-35-4	1,1-Dichloroethene	18.9		1.0	0.29
95-50-1	1,2-Dichlorobenzene	23.8		1.0	0.79
107-06-2	1,2-Dichloroethane	22.1		1.0	0.21
71-43-2	Benzene	23.3		1.0	0.41
108-90-7	Chlorobenzene	25.1		1.0	0.75
156-59-2	cis-1,2-Dichloroethene	23.4		1.0	0.81
100-41-4	Ethylbenzene	24.8		1.0	0.74
1634-04-4	Methyl tert-butyl ether	23.1		1.0	0.16
127-18-4	Tetrachloroethene	25.2		1.0	0.36
108-88-3	Toluene	24.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.5		1.0	0.90
79-01-6	Trichloroethene	22.2		1.0	0.46
1330-20-7	Xylenes, Total	74.9		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)	104		73-120
2037-26-5	Toluene-d8 (Surr)	105		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9261.D
 Lims ID: LCS Client ID:
 Inject. Date: 07-Jul-2013 21:53:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0023255-004
 Operator: CDC Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 2
 Lims Batch ID: 127701 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q-8260.m
 Last Update: 07-Jul-2013 22:55:12 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK033

First Level Reviewer: cwiklinc

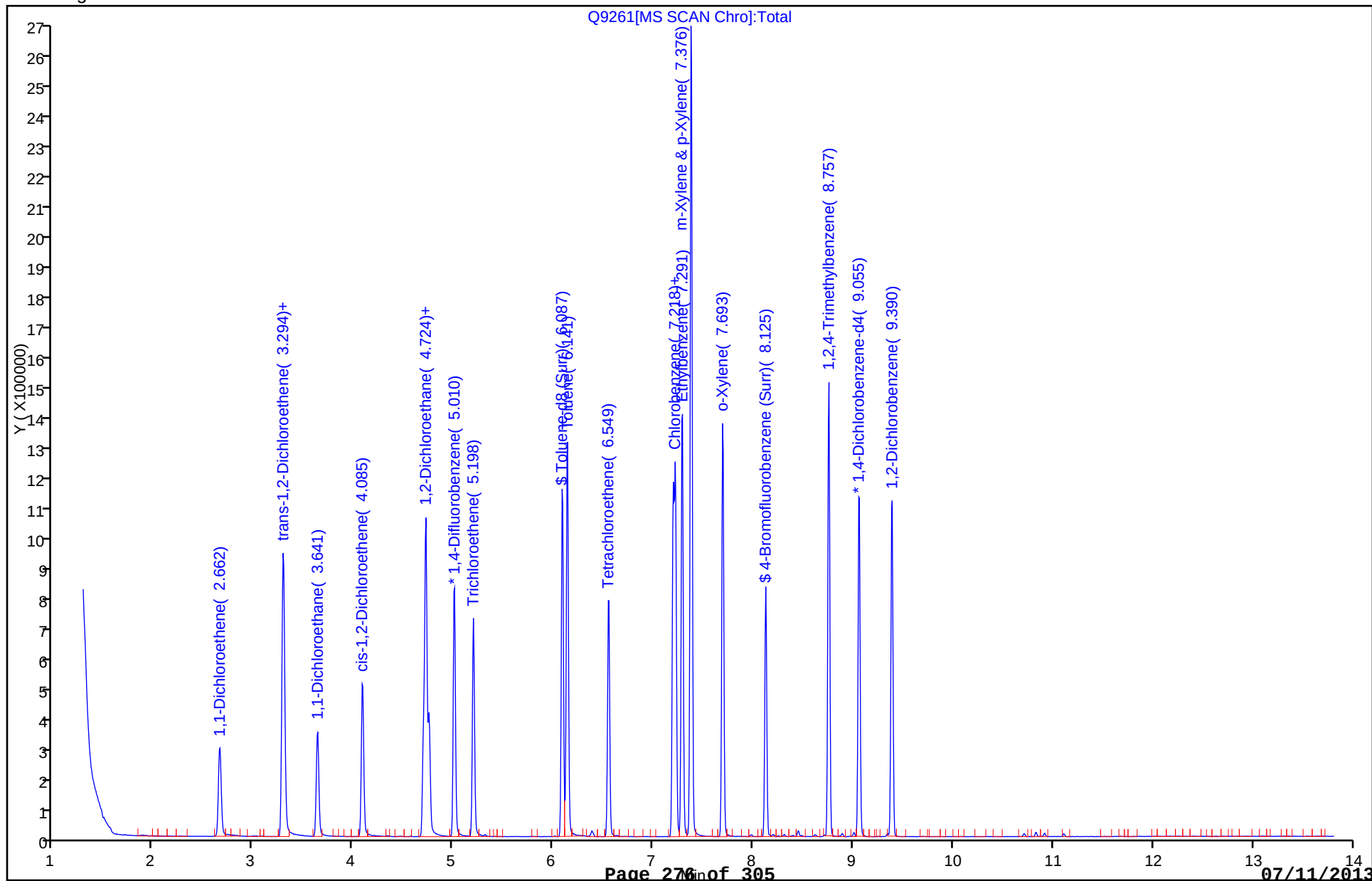
Date: 07-Jul-2013 22:55:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.010	5.006	0.004	93	627511	25.0	
* 2 Chlorobenzene-d5	82	7.200	7.196	0.004	82	270023	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.061	9.057	0.004	92	296462	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.700	4.702	-0.002	87	91699	24.9	
\$ 5 Toluene-d8 (Surr)	98	6.087	6.089	-0.002	84	690592	26.1	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.125	8.127	-0.002	94	221408	25.9	
22 1,1-Dichloroethene	96	2.662	2.658	0.004	89	136466	18.9	
32 Methyl tert-butyl ether	73	3.294	3.290	0.004	91	532938	23.1	
34 trans-1,2-Dichloroethene	96	3.300	3.296	0.004	99	189997	23.5	
39 1,1-Dichloroethane	63	3.641	3.637	0.004	85	337673	22.1	
45 cis-1,2-Dichloroethene	96	4.091	4.087	0.004	67	216313	23.4	
57 Benzene	78	4.724	4.726	-0.002	96	771680	23.3	
58 1,2-Dichloroethane	62	4.754	4.756	-0.002	86	237959	22.1	
62 Trichloroethene	95	5.198	5.201	-0.002	88	184795	22.2	
74 Toluene	92	6.141	6.137	0.004	98	491646	24.3	
81 Tetrachloroethene	166	6.555	6.551	0.004	92	222170	25.2	
87 Chlorobenzene	112	7.218	7.220	-0.002	97	595423	25.1	
88 Ethylbenzene	91	7.291	7.287	0.004	97	907354	24.8	
90 m-Xylene & p-Xylene	106	7.376	7.378	-0.002	96	755545	50.3	
91 o-Xylene	106	7.693	7.695	-0.002	95	373730	24.6	
107 1,2,4-Trimethylbenzene	105	8.757	8.753	0.004	96	763917	23.5	
116 1,2-Dichlorobenzene	146	9.390	9.386	0.004	98	462248	23.8	
S 124 Xylenes, Total	1				0		74.9	
S 125 1,2-Dichloroethene, Total	1				0		46.8	

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130707-23255.b\Q9261.D
Injection Date: 07-Jul-2013 21:53:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973Q
Lims Batch ID: 127701 Lims Sample ID: 4
Operator ID: CDC Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-127825/3
 Matrix: Water Lab File ID: Q9286.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 07/08/2013 15:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 127825 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	26.4		1.0	0.38
75-35-4	1,1-Dichloroethene	22.9		1.0	0.29
95-50-1	1,2-Dichlorobenzene	25.4		1.0	0.79
107-06-2	1,2-Dichloroethane	26.1		1.0	0.21
71-43-2	Benzene	26.9		1.0	0.41
108-90-7	Chlorobenzene	27.4		1.0	0.75
156-59-2	cis-1,2-Dichloroethene	26.3		1.0	0.81
100-41-4	Ethylbenzene	26.8		1.0	0.74
1634-04-4	Methyl tert-butyl ether	27.4		1.0	0.16
127-18-4	Tetrachloroethene	27.8		1.0	0.36
108-88-3	Toluene	26.4		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	27.0		1.0	0.90
79-01-6	Trichloroethene	25.8		1.0	0.46
1330-20-7	Xylenes, Total	82.5		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		66-137
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
2037-26-5	Toluene-d8 (Surr)	104		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9286.D
 Lims ID: LCS Client ID:
 Inject. Date: 08-Jul-2013 15:03:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0023280-003
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 3
 Lims Batch ID: 127825 Lims Sample ID: 3
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q-8260.m
 Last Update: 08-Jul-2013 15:49:02 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK006

First Level Reviewer: BrandtT

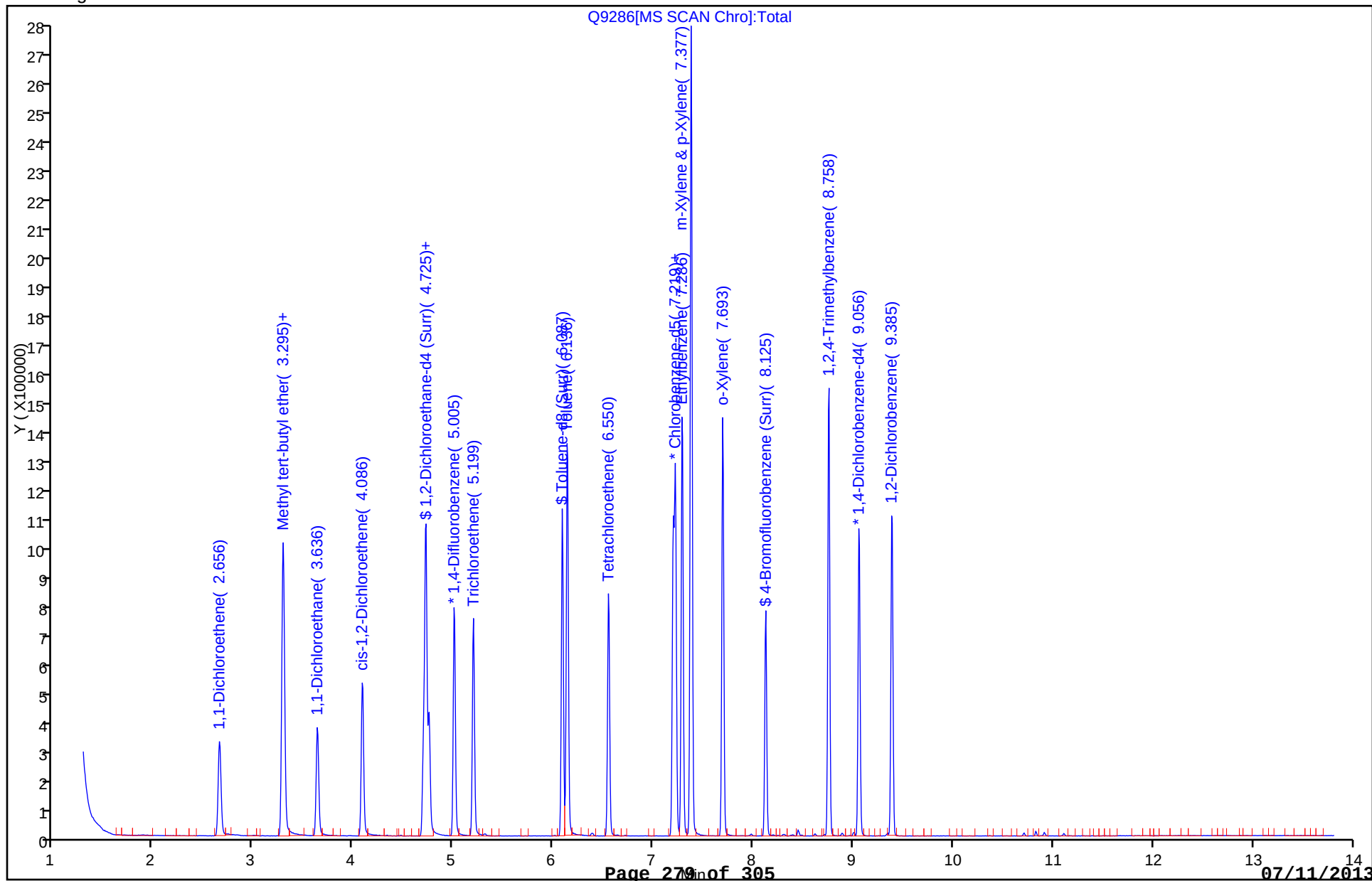
Date: 08-Jul-2013 15:45:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.005	5.005	0.0	94	562372	25.0	
* 2 Chlorobenzene-d5	82	7.201	7.195	0.006	83	248952	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.056	9.057	-0.001	93	270387	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.700	4.695	0.005	91	88236	26.8	
\$ 5 Toluene-d8 (Surr)	98	6.087	6.088	-0.001	93	635627	26.1	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.125	8.126	-0.001	96	206683	26.2	
22 1,1-Dichloroethene	96	2.656	2.651	0.005	90	148071	22.9	
32 Methyl tert-butyl ether	73	3.289	3.290	-0.001	91	567149	27.4	
34 trans-1,2-Dichloroethene	96	3.301	3.296	0.005	99	196090	27.0	
39 1,1-Dichloroethane	63	3.636	3.636	0.0	96	360998	26.4	
45 cis-1,2-Dichloroethene	96	4.086	4.086	0.0	69	218121	26.3	
57 Benzene	78	4.725	4.719	0.006	97	798475	26.9	
58 1,2-Dichloroethane	62	4.755	4.756	-0.001	93	252017	26.1	
62 Trichloroethene	95	5.199	5.194	0.005	90	192178	25.8	
74 Toluene	92	6.136	6.137	-0.001	98	493332	26.4	
81 Tetrachloroethene	166	6.550	6.550	0.0	92	225352	27.8	
87 Chlorobenzene	112	7.219	7.219	0.0	97	598515	27.4	
88 Ethylbenzene	91	7.286	7.286	0.0	97	905665	26.8	
90 m-Xylene & p-Xylene	106	7.377	7.378	-0.001	96	766549	55.4	
91 o-Xylene	106	7.693	7.694	-0.001	95	378841	27.1	
107 1,2,4-Trimethylbenzene	105	8.758	8.752	0.006	96	765427	25.8	
116 1,2-Dichlorobenzene	146	9.391	9.391	0.0	99	449422	25.4	
S 125 1,2-Dichloroethene, Total	1				0		53.3	
S 124 Xylenes, Total	1				0		82.4	

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130708-23280.b\Q9286.D
Injection Date: 08-Jul-2013 15:03:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973Q
Lims Batch ID: 127825 Lims Sample ID: 3
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-127928/3
 Matrix: Water Lab File ID: Q9312.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 07/09/2013 09:34
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 127928 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	24.0		1.0	0.38
75-35-4	1,1-Dichloroethene	21.3		1.0	0.29
95-50-1	1,2-Dichlorobenzene	24.3		1.0	0.79
107-06-2	1,2-Dichloroethane	24.0		1.0	0.21
71-43-2	Benzene	25.1		1.0	0.41
108-90-7	Chlorobenzene	25.7		1.0	0.75
156-59-2	cis-1,2-Dichloroethene	24.4		1.0	0.81
100-41-4	Ethylbenzene	25.3		1.0	0.74
1634-04-4	Methyl tert-butyl ether	24.7		1.0	0.16
127-18-4	Tetrachloroethene	25.9		1.0	0.36
108-88-3	Toluene	25.5		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.3		1.0	0.90
79-01-6	Trichloroethene	24.0		1.0	0.46
1330-20-7	Xylenes, Total	77.7		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9312.D
 Lims ID: LCS Client ID:
 Inject. Date: 09-Jul-2013 09:34:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0023298-003
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 3
 Lims Batch ID: 127928 Lims Sample ID: 3
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q-8260.m
 Last Update: 09-Jul-2013 09:57:36 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK035

First Level Reviewer: quirkp

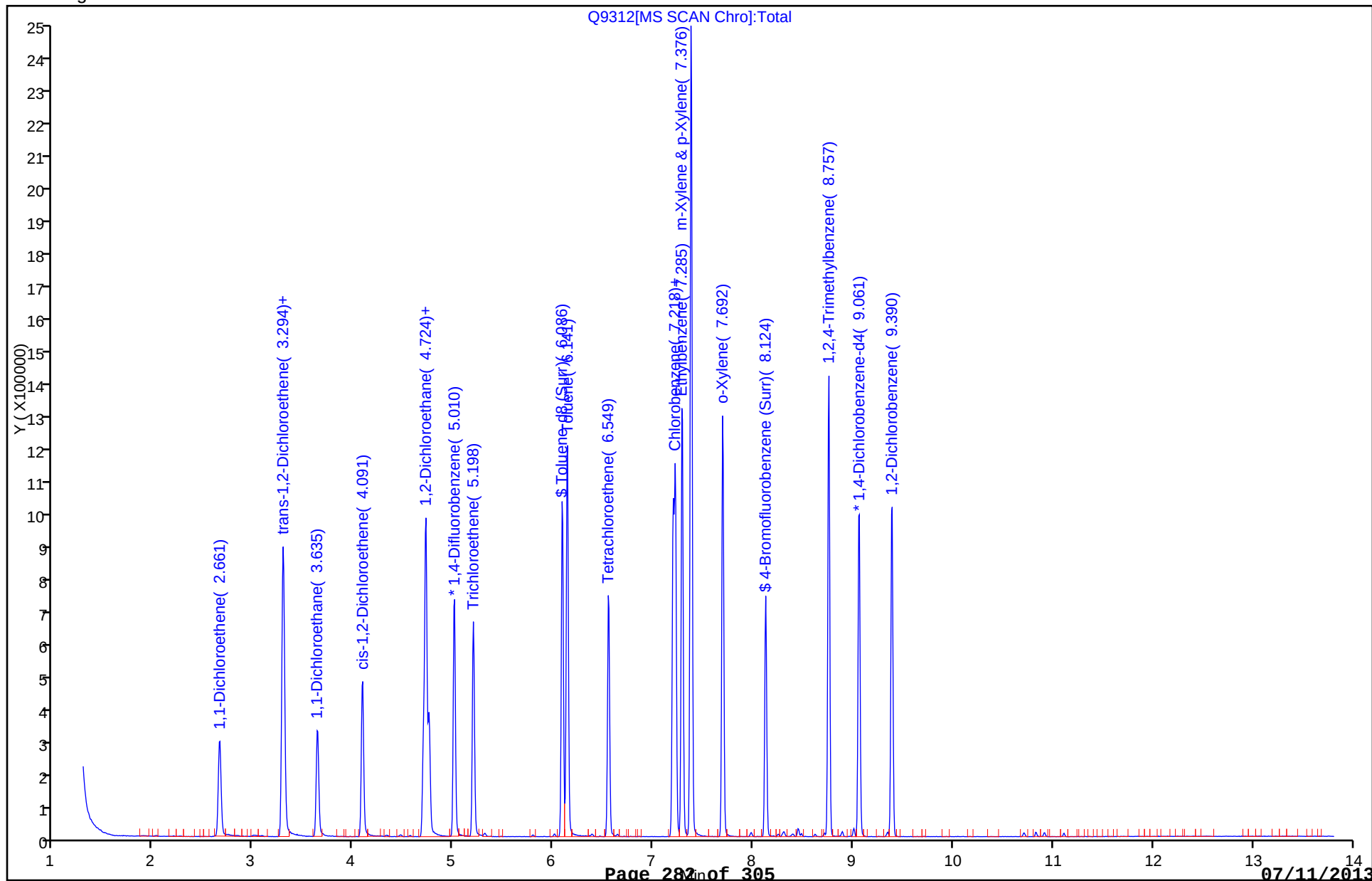
Date: 09-Jul-2013 09:57:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.010	5.008	0.002	93	544882	25.0	
* 2 Chlorobenzene-d5	82	7.200	7.198	0.002	84	239893	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.061	9.059	0.002	93	261224	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.699	4.697	0.002	87	83579	26.2	
\$ 5 Toluene-d8 (Surr)	98	6.086	6.090	-0.004	93	597954	25.5	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.124	8.122	0.002	95	198513	26.2	
22 1,1-Dichloroethene	96	2.655	2.653	0.002	89	133309	21.3	
32 Methyl tert-butyl ether	73	3.288	3.286	0.002	91	495038	24.7	
34 trans-1,2-Dichloroethene	96	3.300	3.292	0.008	96	178215	25.3	
39 1,1-Dichloroethane	63	3.635	3.633	0.002	85	317739	24.0	
45 cis-1,2-Dichloroethene	96	4.091	4.083	0.008	80	195706	24.4	
57 Benzene	78	4.724	4.722	0.002	97	719493	25.1	
58 1,2-Dichloroethane	62	4.754	4.752	0.002	85	224795	24.0	
62 Trichloroethene	95	5.198	5.196	0.002	89	173158	24.0	
74 Toluene	92	6.141	6.139	0.002	98	459091	25.5	
81 Tetrachloroethene	166	6.549	6.553	-0.004	98	202837	25.9	
87 Chlorobenzene	112	7.218	7.222	-0.004	96	541040	25.7	
88 Ethylbenzene	91	7.285	7.289	-0.004	97	824902	25.3	
90 m-Xylene & p-Xylene	106	7.376	7.380	-0.004	96	698188	52.3	
91 o-Xylene	106	7.692	7.696	-0.004	96	341805	25.4	
107 1,2,4-Trimethylbenzene	105	8.757	8.755	0.002	96	701639	24.5	
116 1,2-Dichlorobenzene	146	9.390	9.388	0.002	99	415848	24.3	
S 124 Xylenes, Total	1				0		77.7	
S 125 1,2-Dichloroethene, Total	1				0		49.7	

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9312.D
Injection Date: 09-Jul-2013 09:34:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973Q
Lims Batch ID: 127928 Lims Sample ID: 3
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: Duplicate MS Lab Sample ID: 480-41198-9 MS

Matrix: Water Lab File ID: Q9327.D

Analysis Method: 8260B Date Collected: 07/01/2013 13:45

Sample wt/vol: 1(uL) Date Analyzed: 07/09/2013 16:37

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.: 127928 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	26300		1000	380
75-35-4	1,1-Dichloroethene	22400		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	24200		1000	790
107-06-2	1,2-Dichloroethane	25200		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	26500		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	26600		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	79100		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	26200		1000	740
98-82-8	Isopropylbenzene	ND		1000	790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
 SDG No.: _____
 Client Sample ID: Duplicate MS Lab Sample ID: 480-41198-9 MS
 Matrix: Water Lab File ID: Q9327.D
 Analysis Method: 8260B Date Collected: 07/01/2013 13:45
 Sample wt/vol: 1(uL) Date Analyzed: 07/09/2013 16:37
 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.: 127928 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	26500		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	26700		1000	360
108-88-3	Toluene	26500		1000	510
156-60-5	trans-1,2-Dichloroethene	27300		1000	900
10061-02-6	trans-1,3-Dichloropropene	ND		1000	370
79-01-6	Trichloroethene	38600		1000	460
75-69-4	Trichlorofluoromethane	ND		1000	880
75-01-4	Vinyl chloride	ND		1000	900
1330-20-7	Xylenes, Total	80400		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		66-137
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	103		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9327.D
 Lims ID: 480-41198-B-9 MS Client ID:
 Inject. Date: 09-Jul-2013 16:37:30 Dil. Factor: 1000.0000
 Sample Type: MS
 Sample ID: 480-41198-B-9 MS
 Misc. Info.: 480-0023298-018
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 18
 Lims Batch ID: 127928 Lims Sample ID: 18
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q-8260.m
 Last Update: 09-Jul-2013 21:16:17 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK027

First Level Reviewer: cwiklinc

Date: 09-Jul-2013 21:16:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.006	5.008	-0.002	94	498613	25.0	
* 2 Chlorobenzene-d5	82	7.196	7.198	-0.002	85	223265	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.057	9.059	-0.002	93	244183	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.695	4.697	-0.002	87	75454	25.8	
\$ 5 Toluene-d8 (Surr)	98	6.088	6.090	-0.002	93	561714	25.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.126	8.122	0.004	96	179903	25.5	
10 Dichlorodifluoromethane	85		1.357					
12 Chloromethane	50		1.503					
13 Vinyl chloride	62		1.595					
14 Bromomethane	94		1.868					
15 Chloroethane	64		1.954					
17 Trichlorofluoromethane	101		2.191					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.647					
22 1,1-Dichloroethene	96	2.657	2.653	0.004	97	128351	22.4	
23 Acetone	43		2.738					
26 Carbon disulfide	76		2.830					
27 Methyl acetate	43		3.006					
30 Methylene Chloride	84		3.085					
32 Methyl tert-butyl ether	73	3.290	3.286	0.004	92	485659	26.5	
34 trans-1,2-Dichloroethene	96	3.296	3.292	0.004	96	175690	27.3	
39 1,1-Dichloroethane	63	3.637	3.633	0.004	96	319396	26.3	
45 cis-1,2-Dichloroethene	96	4.087	4.083	0.004	68	581725	79.1	
43 2-Butanone (MEK)	43		4.101					
50 Chloroform	83		4.332					9
51 1,1,1-Trichloroethane	97		4.442					9
52 Cyclohexane	56		4.466					
55 Carbon tetrachloride	117		4.563					
57 Benzene	78	4.720	4.722	-0.002	97	695324	26.5	
58 1,2-Dichloroethane	62	4.756	4.752	0.004	87	216245	25.2	
62 Trichloroethene	95	5.200	5.196	0.004	94	254658	38.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
64 Methylcyclohexane	83		5.312					
65 1,2-Dichloropropane	63		5.366					9
68 Dichlorobromomethane	83		5.585					
72 cis-1,3-Dichloropropene	75		5.902					
73 4-Methyl-2-pentanone (MIBK)	43		6.005					9
74 Toluene	92	6.137	6.139	-0.002	97	443722	26.5	
77 trans-1,3-Dichloropropene	75		6.322					9
79 1,1,2-Trichloroethane	83		6.468					9
81 Tetrachloroethene	166	6.551	6.553	-0.002	98	194100	26.7	
80 2-Hexanone	43		6.632					
83 Chlorodibromomethane	129		6.772					
84 Ethylene Dibromide	107		6.857					
87 Chlorobenzene	112	7.220	7.222	-0.002	97	521797	26.6	
88 Ethylbenzene	91	7.287	7.289	-0.002	97	794693	26.2	
90 m-Xylene & p-Xylene	106	7.378	7.380	-0.002	96	669523	53.9	
91 o-Xylene	106	7.695	7.696	-0.002	95	332484	26.5	
92 Styrene	104		7.709					
95 Bromoform	173		7.891					
94 Isopropylbenzene	105		7.976					9
97 1,1,2,2-Tetrachloroethane	83		8.256					
111 1,3-Dichlorobenzene	146		9.004					9
113 1,4-Dichlorobenzene	146		9.077					9
116 1,2-Dichlorobenzene	146	9.386	9.388	-0.002	99	387083	24.2	
117 1,2-Dibromo-3-Chloropropane	75		10.039					
119 1,2,4-Trichlorobenzene	180		10.708					
S 124 Xylenes, Total	1				0		80.4	

QC Flag Legend

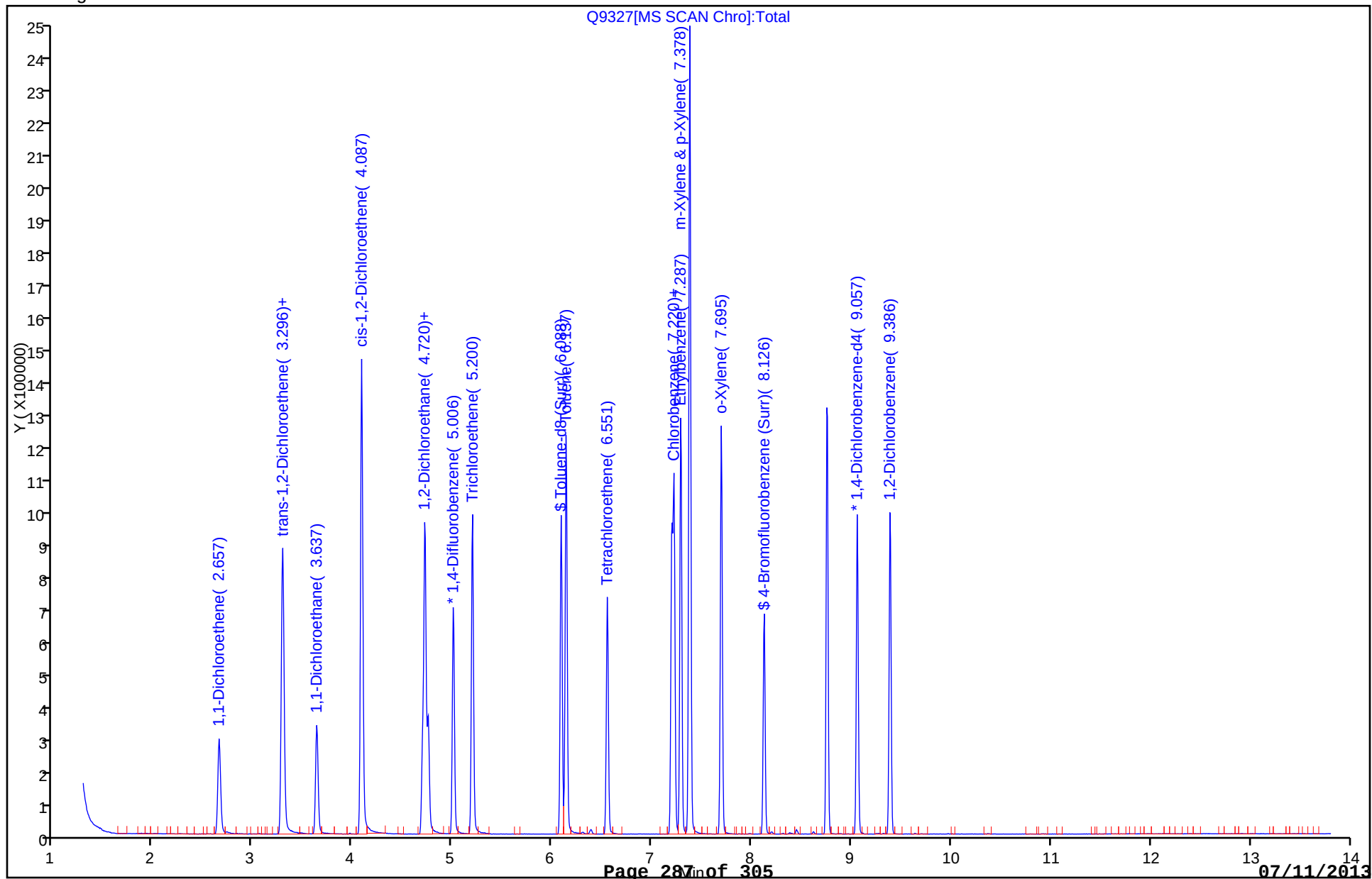
Processing Flags

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9327.D
Injection Date: 09-Jul-2013 16:37:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973Q
Lims Batch ID: 127928 Lims Sample ID: 18
Operator ID: TRB Purge Vol: 5.000 mL
Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Client Sample ID: Duplicate MSD Lab Sample ID: 480-41198-9 MSD

Matrix: Water Lab File ID: Q9328.D

Analysis Method: 8260B Date Collected: 07/01/2013 13:45

Sample wt/vol: 1(uL) Date Analyzed: 07/09/2013 17:05

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.: 127928 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	25500		1000	380
75-35-4	1,1-Dichloroethene	22000		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	24300		1000	790
107-06-2	1,2-Dichloroethane	24900		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	25600		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	25400		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	76700		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	25300		1000	740
98-82-8	Isopropylbenzene	ND		1000	790

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1
 SDG No.: _____
 Client Sample ID: Duplicate MSD Lab Sample ID: 480-41198-9 MSD
 Matrix: Water Lab File ID: Q9328.D
 Analysis Method: 8260B Date Collected: 07/01/2013 13:45
 Sample wt/vol: 1(uL) Date Analyzed: 07/09/2013 17:05
 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.: 127928 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	26300		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	25200		1000	360
108-88-3	Toluene	25000		1000	510
156-60-5	trans-1,2-Dichloroethene	25600		1000	900
10061-02-6	trans-1,3-Dichloropropene	ND		1000	370
79-01-6	Trichloroethene	36900		1000	460
75-69-4	Trichlorofluoromethane	ND		1000	880
75-01-4	Vinyl chloride	ND		1000	900
1330-20-7	Xylenes, Total	77200		2000	660

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9328.D
 Lims ID: 480-41198-B-9 MSD Client ID:
 Inject. Date: 09-Jul-2013 17:05:30 Dil. Factor: 1000.0000
 Sample Type: MSD
 Sample ID: 480-41198-B-9 MSD
 Misc. Info.: 480-0023298-019
 Operator: TRB Instrument ID: HP5973Q
 Purge Vol: 5.000 mL ALS Bottle#: 19
 Lims Batch ID: 127928 Lims Sample ID: 19
 Detector: MS SCAN
 Method: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q-8260.m
 Last Update: 09-Jul-2013 21:16:17 Calib Date: 11-Apr-2013 14:40:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BUFCHROM\ChromData\HP5973Q\20130411-20501.b\Q6998.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Column Type: ZB-624 Column Dia: 0.25 mm
 Process Host: XAWRK027

First Level Reviewer: cwiklinc

Date: 09-Jul-2013 21:16:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.006	5.008	-0.002	93	495898	25.0	
* 2 Chlorobenzene-d5	82	7.196	7.198	-0.002	84	223739	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.058	9.059	-0.001	93	242034	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.702	4.697	0.005	86	76037	26.2	
\$ 5 Toluene-d8 (Surr)	98	6.089	6.090	-0.001	93	559073	25.5	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.127	8.122	0.005	96	180108	25.4	
10 Dichlorodifluoromethane	85		1.357					
12 Chloromethane	50		1.503					
13 Vinyl chloride	62		1.595					
14 Bromomethane	94		1.868					
15 Chloroethane	64		1.954					
17 Trichlorofluoromethane	101		2.191					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.647					
22 1,1-Dichloroethene	96	2.658	2.653	0.005	90	125506	22.0	
23 Acetone	43		2.738					
26 Carbon disulfide	76		2.830					
27 Methyl acetate	43		3.006					
30 Methylene Chloride	84		3.085					
32 Methyl tert-butyl ether	73	3.291	3.286	0.005	92	480751	26.3	
34 trans-1,2-Dichloroethene	96	3.297	3.292	0.005	97	163863	25.6	
39 1,1-Dichloroethane	63	3.638	3.633	0.005	85	307767	25.5	
45 cis-1,2-Dichloroethene	96	4.088	4.083	0.005	68	560920	76.7	
43 2-Butanone (MEK)	43		4.101					
50 Chloroform	83		4.332					9
51 1,1,1-Trichloroethane	97		4.442					
52 Cyclohexane	56		4.466					
55 Carbon tetrachloride	117		4.563					
57 Benzene	78	4.720	4.722	-0.002	97	668276	25.6	
58 1,2-Dichloroethane	62	4.757	4.752	0.005	93	212599	24.9	
62 Trichloroethene	95	5.201	5.196	0.005	90	242610	36.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
64 Methylcyclohexane	83		5.312					
65 1,2-Dichloropropane	63		5.366					9
68 Dichlorobromomethane	83		5.585					
72 cis-1,3-Dichloropropene	75		5.902					
73 4-Methyl-2-pentanone (MIBK)	43		6.005					9
74 Toluene	92	6.138	6.139	-0.001	98	418904	25.0	
77 trans-1,3-Dichloropropene	75		6.322					9
79 1,1,2-Trichloroethane	83		6.468					9
81 Tetrachloroethene	166	6.552	6.553	-0.001	92	183548	25.2	
80 2-Hexanone	43		6.632					
83 Chlorodibromomethane	129		6.772					
84 Ethylene Dibromide	107		6.857					
87 Chlorobenzene	112	7.221	7.222	-0.001	97	498932	25.4	
88 Ethylbenzene	91	7.288	7.289	-0.001	97	768737	25.3	
90 m-Xylene & p-Xylene	106	7.379	7.380	-0.001	96	647667	52.0	
91 o-Xylene	106	7.695	7.696	-0.001	95	317385	25.2	
92 Styrene	104		7.709					
95 Bromoform	173		7.891					
94 Isopropylbenzene	105		7.976					9
97 1,1,2,2-Tetrachloroethane	83		8.256					
111 1,3-Dichlorobenzene	146		9.004					9
113 1,4-Dichlorobenzene	146		9.077					9
116 1,2-Dichlorobenzene	146	9.386	9.388	-0.002	98	384671	24.3	
117 1,2-Dibromo-3-Chloropropane	75		10.039					
119 1,2,4-Trichlorobenzene	180		10.708					
S 124 Xylenes, Total	1				0		77.3	

QC Flag Legend

Processing Flags

9 - Failed A Reference Spectral Test

TestAmerica Buffalo

Data File: \\BUFCHROM\ChromData\HP5973Q\20130709-23298.b\Q9328.D

Injection Date: 09-Jul-2013 17:05:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973Q

Lims Batch ID: 127928

Lims Sample ID: 19

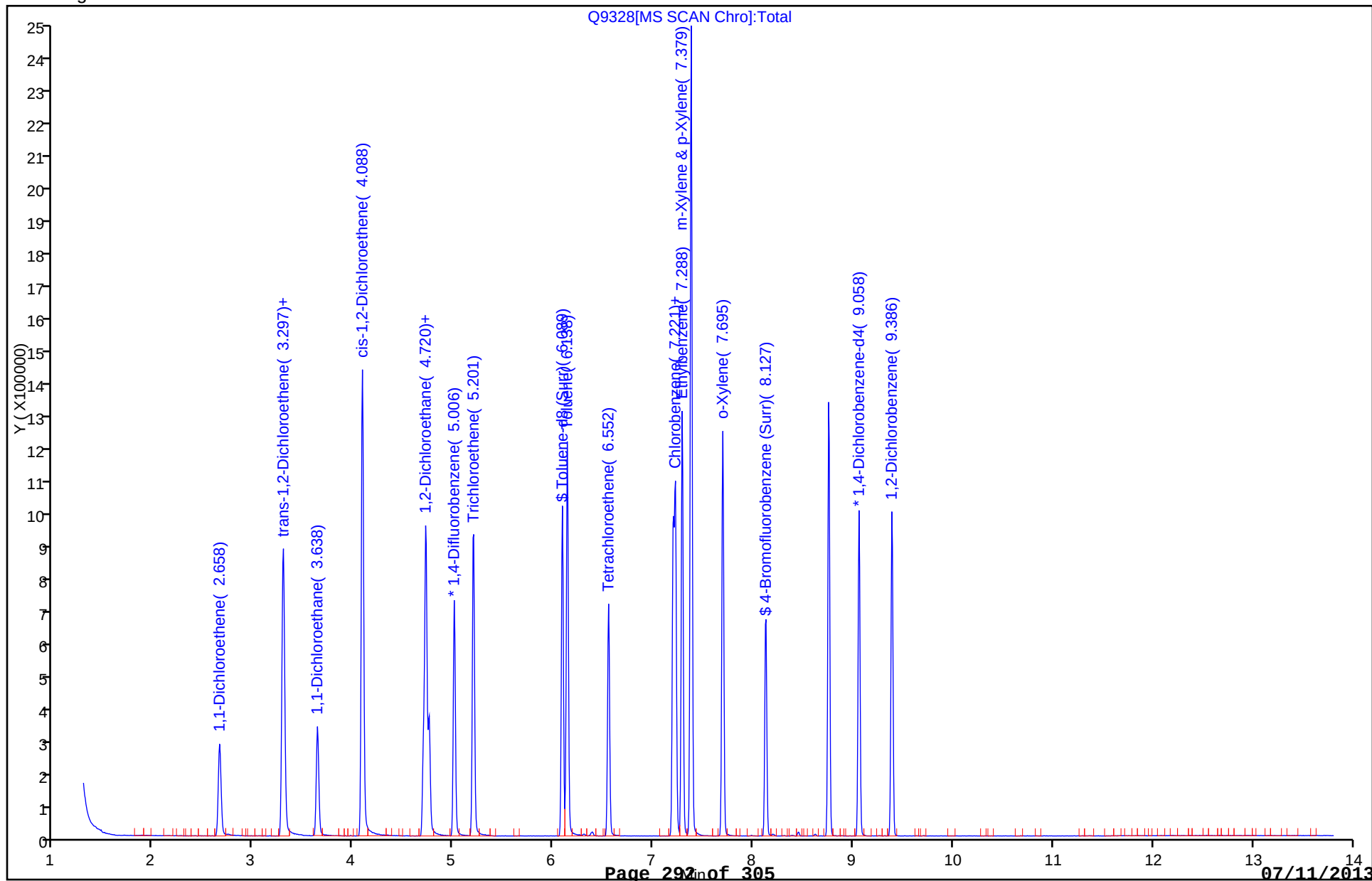
Operator ID: TRB

Purge Vol: 5.000 mL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Instrument ID: HP5973Q Start Date: 04/11/2013 11:23Analysis Batch Number: 112223 End Date: 04/11/2013 16:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-112223/1		04/11/2013 11:23	1	Q6992.D	ZB-624 (60) 0.25 (mm)
IC 480-112223/2		04/11/2013 11:47	1	Q6993.D	ZB-624 (60) 0.25 (mm)
IC 480-112223/3		04/11/2013 12:14	1	Q6994.D	ZB-624 (60) 0.25 (mm)
IC 480-112223/4		04/11/2013 13:18	1	Q6995.D	ZB-624 (60) 0.25 (mm)
ICIS 480-112223/5		04/11/2013 13:45	1	Q6996.D	ZB-624 (60) 0.25 (mm)
IC 480-112223/6		04/11/2013 14:13	1	Q6997.D	ZB-624 (60) 0.25 (mm)
IC 480-112223/7		04/11/2013 14:40	1	Q6998.D	ZB-624 (60) 0.25 (mm)
MDLV 480-112223/10		04/11/2013 16:03	1		ZB-624 (60) 0.25 (mm)
ICV 480-112223/11		04/11/2013 16:30	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Instrument ID: HP5973Q Start Date: 07/07/2013 20:43Analysis Batch Number: 127701 End Date: 07/08/2013 07:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-127701/2		07/07/2013 20:43	1	Q9259.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-127701/3		07/07/2013 21:10	1	Q9260.D	ZB-624 (60) 0.25 (mm)
LCS 480-127701/4		07/07/2013 21:53	1	Q9261.D	ZB-624 (60) 0.25 (mm)
MB 480-127701/5		07/07/2013 22:20	1	Q9262.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		07/07/2013 23:18	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/07/2013 23:45	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/08/2013 00:13	1		ZB-624 (60) 0.25 (mm)
480-41198-1	MW-2	07/08/2013 00:41	1	Q9266.D	ZB-624 (60) 0.25 (mm)
480-41198-2	MW-3	07/08/2013 01:08	1	Q9267.D	ZB-624 (60) 0.25 (mm)
480-41198-4	MW-6	07/08/2013 02:04	1	Q9269.D	ZB-624 (60) 0.25 (mm)
480-41198-5	MW-10	07/08/2013 02:31	1	Q9270.D	ZB-624 (60) 0.25 (mm)
480-41198-6	MW-11	07/08/2013 02:59	1	Q9271.D	ZB-624 (60) 0.25 (mm)
480-41198-7	MW-12	07/08/2013 03:27	1	Q9272.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		07/08/2013 04:22	5		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/08/2013 04:50	25		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/08/2013 05:17	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/08/2013 05:45	25		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/08/2013 07:54	2		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Instrument ID: HP5973Q Start Date: 07/08/2013 14:12Analysis Batch Number: 127825 End Date: 07/09/2013 01:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-127825/1		07/08/2013 14:12	1	Q9284.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-127825/2		07/08/2013 14:30	1	Q9285.D	ZB-624 (60) 0.25 (mm)
LCS 480-127825/3		07/08/2013 15:03	1	Q9286.D	ZB-624 (60) 0.25 (mm)
MB 480-127825/4		07/08/2013 15:31	1	Q9287.D	ZB-624 (60) 0.25 (mm)
480-41198-3	MW-4	07/08/2013 16:03	100	Q9288.D	ZB-624 (60) 0.25 (mm)
480-41198-8	MW-16S	07/08/2013 16:31	200	Q9289.D	ZB-624 (60) 0.25 (mm)
480-41198-9	Duplicate	07/08/2013 16:59	100	Q9290.D	ZB-624 (60) 0.25 (mm)
480-41198-11	Trip Blank	07/08/2013 17:55	1	Q9292.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		07/08/2013 18:53	10		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/08/2013 19:21	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/08/2013 19:49	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/08/2013 20:17	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/08/2013 20:44	2		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/08/2013 21:12	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/08/2013 21:40	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/08/2013 22:08	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/08/2013 22:35	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/08/2013 23:12	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/08/2013 23:40	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/09/2013 00:07	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/09/2013 01:03	4		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-41198-1

SDG No.: _____

Instrument ID: HP5973Q Start Date: 07/09/2013 08:38Analysis Batch Number: 127928 End Date: 07/09/2013 18:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-127928/1		07/09/2013 08:38	1	Q9310.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-127928/2		07/09/2013 08:58	1	Q9311.D	ZB-624 (60) 0.25 (mm)
LCS 480-127928/3		07/09/2013 09:34	1	Q9312.D	ZB-624 (60) 0.25 (mm)
MB 480-127928/4		07/09/2013 10:02	1	Q9313.D	ZB-624 (60) 0.25 (mm)
480-41198-3 DL	MW-4 DL	07/09/2013 10:36	1000	Q9314.D	ZB-624 (60) 0.25 (mm)
480-41198-8 DL	MW-16S DL	07/09/2013 11:04	2000	Q9315.D	ZB-624 (60) 0.25 (mm)
480-41198-9 DL	Duplicate DL	07/09/2013 11:31	1000	Q9316.D	ZB-624 (60) 0.25 (mm)
480-41198-10	Rinse Blank	07/09/2013 11:59	1	Q9317.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		07/09/2013 12:27	4		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/09/2013 13:22	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/09/2013 13:50	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/09/2013 14:18	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/09/2013 15:14	10		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/09/2013 15:42	5		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/09/2013 16:09	80		ZB-624 (60) 0.25 (mm)
480-41198-9 MS	Duplicate MS	07/09/2013 16:37	1000	Q9327.D	ZB-624 (60) 0.25 (mm)
480-41198-9 MSD	Duplicate MSD	07/09/2013 17:05	1000	Q9328.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		07/09/2013 17:33	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/09/2013 18:01	10		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/09/2013 18:28	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		07/09/2013 18:56	10		ZB-624 (60) 0.25 (mm)

GC/MS VOA Worksheet

Batch Number: 480-127701

Date Open: Jul 07 2013 8:43PM

Method: 8260B

Batch End:

Analyst: Brandt, Todd R

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	17_COMP_WRK_0002 6	60COMP_WRK_000 49
BFB~480-127701/2		8260B			1 uL	1 uL	HP5973Q		
CCVIS~480-127701/3		8260B			5 mL	5 mL	HP5973Q		12.5 uL
LCS~480-127701/4		8260B			5 mL	5 mL	HP5973Q	25 uL	
MB~480-127701/5		8260B			5 mL	5 mL	HP5973Q		
480-41143-E-2	Effluent	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41193-D-1	A4-MW-5R	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41193-D-4	A4-MW-9	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41198-A-1	MW-2	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41198-A-2	MW-3	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41198-A-4	MW-6	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41198-A-5	MW-10	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41198-A-6	MW-11	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41198-A-7	MW-12	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41228-G-7	N28D	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41279-C-1	Site 21 INF	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41279-C-2	Site 21 EFF	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41372-D-1	MW-04	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41372-D-2	MW-05	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		

GC/MS VOA Worksheet

Batch Number: 480-127701

Date Open: Jul 07 2013 8:43PM

Method: 8260B

Batch End:

Analyst: Brandt, Todd R

Lab ID	Client ID	Method Chain	Basis	8260+_SS_WRK_0004 5	BFB_WRK_00028	Q_8260_IS_00039	Q_8260_SURR_00040
BFB~480-127701/2		8260B			1 uL		
CCVIS~480-127701/ 3		8260B		12.5 uL		1.25 uL	1.25 uL
LCS~480-127701/4		8260B				1.25 uL	1.25 uL
MB~480-127701/5		8260B				1.25 uL	1.25 uL
480-41143-E-2	Effluent	8260B	T			1.25 uL	1.25 uL
480-41193-D-1	A4-MW-5R	8260B	T			1.25 uL	1.25 uL
480-41193-D-4	A4-MW-9	8260B	T			1.25 uL	1.25 uL
480-41198-A-1	MW-2	8260B	T			1.25 uL	1.25 uL
480-41198-A-2	MW-3	8260B	T			1.25 uL	1.25 uL
480-41198-A-4	MW-6	8260B	T			1.25 uL	1.25 uL
480-41198-A-5	MW-10	8260B	T			1.25 uL	1.25 uL
480-41198-A-6	MW-11	8260B	T			1.25 uL	1.25 uL
480-41198-A-7	MW-12	8260B	T			1.25 uL	1.25 uL
480-41228-G-7	N28D	8260B	T			1.25 uL	1.25 uL
480-41279-C-1	Site 21 INF	8260B	T			1.25 uL	1.25 uL
480-41279-C-2	Site 21 EFF	8260B	T			1.25 uL	1.25 uL
480-41372-D-1	MW-04	8260B	T			1.25 uL	1.25 uL
480-41372-D-2	MW-05	8260B	T			1.25 uL	1.25 uL

GC/MS VOA Worksheet

Batch Number: 480-127825

Date Open: Jul 08 2013 2:12PM

Method: 8260B

Batch End:

Analyst: Quirk, Patrick J

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	17_COMP_WRK_0002 6	60COMP_WRK_000 49
BFB~480-127825/1		8260B			1 uL	1 uL	HP5973Q		
CCVIS~480-127825/2		8260B			5 mL	5 mL	HP5973Q		12.5 uL
LCS~480-127825/3		8260B			5 mL	5 mL	HP5973Q	25 uL	
MB~480-127825/4		8260B			5 mL	5 mL	HP5973Q		
480-41198-B-3	MW-4	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41198-B-8	MW-16	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41198-A-9	Duplicate	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41198-A-11	Trip Blank	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41372-D-4	MW-09	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41372-C-5	MW-12	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41255-A-1	MW-2	8260B	T		5 mL	5 mL	HP5973Q		
480-41255-A-2	Trip Blank	8260B	T		5 mL	5 mL	HP5973Q		
480-41280-B-1	GWTP INF	8260B	T		5 mL	5 mL	HP5973Q		
480-41280-B-2	GWTP EFF	8260B	T		5 mL	5 mL	HP5973Q		
480-41309-J-1	TANKM3	8260B	T		5 mL	5 mL	HP5973Q		
480-41446-A-1	GW-2	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41446-A-2	GW-4	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41446-A-3	GW-3	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41446-A-4	GW-5	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41446-A-5	GW-6	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		
480-41446-A-7	GW-8	8260B	T	<2 SU	5 mL	5 mL	HP5973Q		

GC/MS VOA Worksheet

Batch Number: 480-127825

Date Open: Jul 08 2013 2:12PM

Method: 8260B

Batch End:

Analyst: Quirk, Patrick J

Lab ID	Client ID	Method Chain	Basis	8260+_SS_WRK_0004 5	BFB_WRK_00028	Q_8260_IS_00039	Q_8260_SURR_00040
BFB~480-127825/1		8260B			1 uL		
CCVIS~480-127825/ 2		8260B		12.5 uL		1.25 uL	1.25 uL
LCS~480-127825/3		8260B				1.25 uL	1.25 uL
MB~480-127825/4		8260B				1.25 uL	1.25 uL
480-41198-B-3	MW-4	8260B	T			1.25 uL	1.25 uL
480-41198-B-8	MW-16	8260B	T			1.25 uL	1.25 uL
480-41198-A-9	Duplicate	8260B	T			1.25 uL	1.25 uL
480-41198-A-11	Trip Blank	8260B	T			1.25 uL	1.25 uL
480-41372-D-4	MW-09	8260B	T			1.25 uL	1.25 uL
480-41372-C-5	MW-12	8260B	T			1.25 uL	1.25 uL
480-41255-A-1	MW-2	8260B	T			1.25 uL	1.25 uL
480-41255-A-2	Trip Blank	8260B	T			1.25 uL	1.25 uL
480-41280-B-1	GWTP INF	8260B	T			1.25 uL	1.25 uL
480-41280-B-2	GWTP EFF	8260B	T			1.25 uL	1.25 uL
480-41309-J-1	TANKM3	8260B	T			1.25 uL	1.25 uL
480-41446-A-1	GW-2	8260B	T			1.25 uL	1.25 uL
480-41446-A-2	GW-4	8260B	T			1.25 uL	1.25 uL
480-41446-A-3	GW-3	8260B	T			1.25 uL	1.25 uL
480-41446-A-4	GW-5	8260B	T			1.25 uL	1.25 uL
480-41446-A-5	GW-6	8260B	T			1.25 uL	1.25 uL
480-41446-A-7	GW-8	8260B	T			1.25 uL	1.25 uL

GC/MS VOA Worksheet

Batch Number: 480-127928

Date Open: Jul 09 2013 8:38AM

Method: 8260B

Batch End:

Analyst: Cwiklinski, Charles D

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	17_COMP_WRK_0002 6	60COMP_WRK_000 49
BFB~480-127928/1		8260B			1 uL	1 uL	HP5973Q		
CCVIS~480-127928/ 2		8260B			5 mL	5 mL	HP5973Q		12.5 uL
LCS~480-127928/3		8260B			5 mL	5 mL	HP5973Q	25 uL	
MB~480-127928/4		8260B			5 mL	5 mL	HP5973Q		
480-41198-B-3	MW-4	8260B	T	<2 SU	1 uL	1 uL	HP5973Q		
480-41198-B-8	MW-16	8260B	T	<2 SU	1 uL	1 uL	HP5973Q		
480-41198-B-9	Duplicate	8260B	T	<2 SU	1 uL	1 uL	HP5973Q		
480-41198-B-10	Rinse Blank	8260B	T	<2 SU	1 uL	1 uL	HP5973Q		
480-41370-C-1	MW-01	8260B	T	<2 SU	1 uL	1 uL	HP5973Q		
480-41370-C-3	MW-06	8260B	T	<2 SU	1 uL	1 uL	HP5973Q		
480-41370-C-4	MW-07	8260B	T	<2 SU	1 uL	1 uL	HP5973Q		
480-41370-C-5	MW-12	8260B	T	<2 SU	1 uL	1 uL	HP5973Q		
480-41370-C-7	MW-17R	8260B	T	<2 SU	1 uL	1 uL	HP5973Q		
480-41372-E-3	MW-08	8260B	T	<2 SU	1 uL	1 uL	HP5973Q		
480-41446-B-6	GW-1	8260B	T	<2 SU	1 uL	1 uL	HP5973Q		
480-41198-B-9~MS		8260B	T		1 uL	1 uL	HP5973Q	25 uL	
480-41198-B-9~MSD		8260B	T		1 uL	1 uL	HP5973Q	25 uL	
480-41521-A-1	EFF02	8260B	T	<2 SU	1 uL	1 uL	HP5973Q		
480-41521-A-3	INF01	8260B	T	<2 SU	1 uL	1 uL	HP5973Q		
480-41522-A-1	EFF02	8260B	T	<2 SU	1 uL	1 uL	HP5973Q		
480-41522-A-3	INF01	8260B	T	<2 SU	1 uL	1 uL	HP5973Q		

GC/MS VOA Worksheet

Batch Number: 480-127928

Date Open: Jul 09 2013 8:38AM

Method: 8260B

Batch End:

Analyst: Cwiklinski, Charles D

Lab ID	Client ID	Method Chain	Basis	8260+_SS_WRK_0004 5	BFB_WRK_00028	Q_8260_IS_00039	Q_8260_SURR_00040
BFB~480-127928/1		8260B			1 uL		
CCVIS~480-127928/ 2		8260B		12.5 uL		1.25 uL	1.25 uL
LCS~480-127928/3		8260B				1.25 uL	1.25 uL
MB~480-127928/4		8260B				1.25 uL	1.25 uL
480-41198-B-3	MW-4	8260B	T			1.25 uL	1.25 uL
480-41198-B-8	MW-16	8260B	T			1.25 uL	1.25 uL
480-41198-B-9	Duplicate	8260B	T			1.25 uL	1.25 uL
480-41198-B-10	Rinse Blank	8260B	T			1.25 uL	1.25 uL
480-41370-C-1	MW-01	8260B	T			1.25 uL	1.25 uL
480-41370-C-3	MW-06	8260B	T			1.25 uL	1.25 uL
480-41370-C-4	MW-07	8260B	T			1.25 uL	1.25 uL
480-41370-C-5	MW-12	8260B	T			1.25 uL	1.25 uL
480-41370-C-7	MW-17R	8260B	T			1.25 uL	1.25 uL
480-41372-E-3	MW-08	8260B	T			1.25 uL	1.25 uL
480-41446-B-6	GW-1	8260B	T			1.25 uL	1.25 uL
480-41198-B-9~MS		8260B	T			1.25 uL	1.25 uL
480-41198-B-9~MSD		8260B	T			1.25 uL	1.25 uL
480-41521-A-1	EFF02	8260B	T			1.25 uL	1.25 uL
480-41521-A-3	INF01	8260B	T			1.25 uL	1.25 uL
480-41522-A-1	EFF02	8260B	T			1.25 uL	1.25 uL
480-41522-A-3	INF01	8260B	T			1.25 uL	1.25 uL

Shipping and Receiving Documents

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TAL-4124 (1007)

Client AECOM		Project Manager DINO ZACK		Date 7/1/13	Chain of Custody Number 242280
Address 100 Corporate Pkwy Suite 211		Telephone Number (Area Code)/Fax Number 716 836 4506		Lab Number	Page 1 of 1
City Amherst	State NY	Zip Code 14226	Site Contact	Analysis (Attach list if more space is needed)	
Project Name and Location (State) Scott Auction 3Q13NY			Carrier/Maybill Number	Special Instructions/ Conditions of Receipt	
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				
			Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH
MW-2	7/1/13	1015	✓							3		
MW-3		1330	✓							3		
MW-4		1415	✓							3		
MW-6		1210	✓							3		
MW-10		1130	✓							3		
MW-11		1100	✓							3		
MW-12		1300	✓							3		
MW-16		1530	✓							3		
DUPLICATE		1345	✓							3		
RINSE BLANK		1440	✓							3		
TRIP BLANK		—	✓							1		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown
☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify)
 Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other **510**

1. Relinquished By Dino Zack	Date 7/1/13	Time 1908
2. Relinquished By	Date	Time
3. Relinquished By	Date	Time

Comments
4.3 # 1

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-41198-1

Login Number: 41198

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert K

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.	False	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



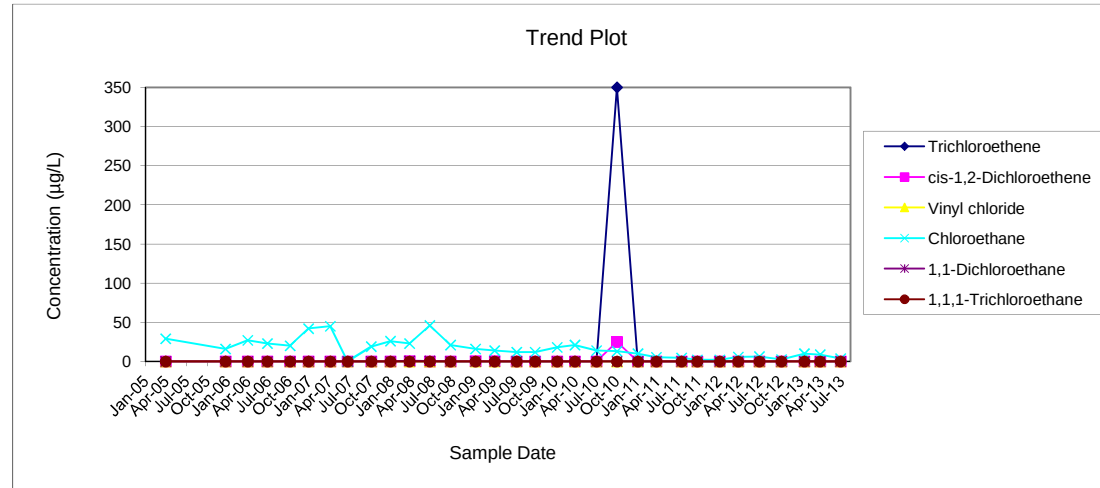
APPENDIX D

Historical and Current Summary of VOCs in Groundwater

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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 10	< 10	29	< 10	<10
1/5/2006	< 25	< 25	< 25	16	< 25	< 25
4/14/2006	< 25	< 25	< 25	27	< 25	< 25
7/10/2006	< 25	< 25	< 25	23	< 25	< 25
10/19/2006	< 5	< 5	< 5	20	< 5	< 5
1/9/2007	< 5	< 5	< 5	42	< 5	< 5
4/16/2007	< 20	< 20	< 20	45	< 20	< 20
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/15/2007	< 5	< 5	< 5	19	< 5	< 5
1/8/2008	< 5	< 5	< 5	26	< 5	< 5
4/2/2008	< 5	0.48	< 5	23	1	< 5
7/1/2008	< 5	< 5	< 5	46	0.65	< 5
10/1/2008	< 5	< 5	< 5	21	<5	< 5
1/20/2009	< 5	0	< 5	16	<5	< 5
4/15/2009	< 5	0	< 5	14	<5	< 5
7/22/2009	< 5	< 5	< 5	12	<5	< 5
10/12/2009	< 5	< 5	< 5	12	<5	< 5
1/18/2010	< 25	< 25	< 25	18	< 25	< 25
4/7/2010	< 25	< 25	< 25	21	< 25	< 25
7/12/2010	< 25	< 25	< 25	14	< 25	< 25
10/11/2010	350	25	< 25	13	< 25	< 25
1/12/2011	<1	<1	<1	10	<1	<1
4/4/2011	<1	<1	<1	5.4	<1	<1
7/25/2011	<1	<1	<1	4.5	<1	<1
10/3/2011	<1	<1	<1	2.1	<1	<1
1/11/2012	<1	<1	<1	2	<1	<1
4/2/2012	<1	<1	<1	5.8	<1	<1
7/5/2012	<1	<1	<1	6.3	<1	<1
10/11/2012	<1	<1	<1	2.4	<1	<1
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

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

Trend Plot

Concentration ($\mu\text{g/L}$)

Sample Date

Legend:

- Trichloroethene
- cis-1,2-Dichloroethene
- Vinyl chloride
- Chloroethane
- 1,1-Dichloroethene
- 1,1,1-Trichloroethene

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	1,1,1,1-Tetrachloroethane
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

Trend Plot

Concentration (µg/L)

Sample Date

Legend:

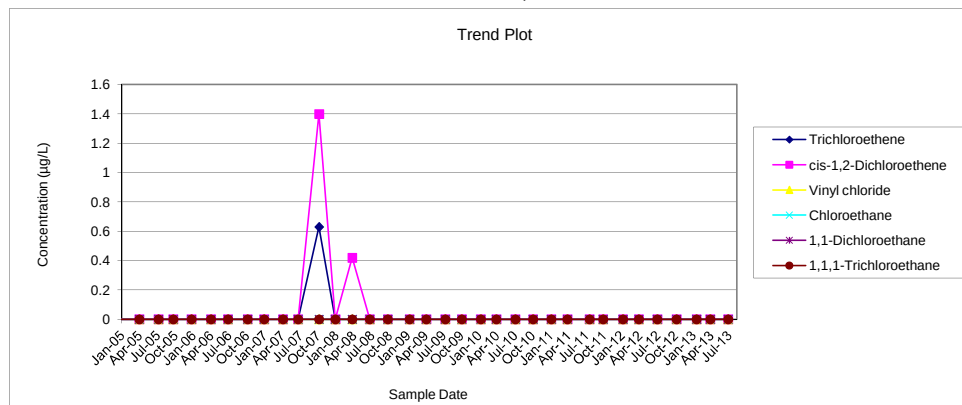
- Trichloroethene
- cis-1,2-Dichloroethene
- Vinyl chloride
- Chloroethane
- 1,1-Dichloroethane
- 1,1,1-Trichloroethane

Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	< 10	< 10	< 10	< 10	< 10	< 6
10/12/2004	< 10	< 10	< 10	< 10	< 10	< 10
1/6/2005	< 10	< 10	< 10	< 10	< 10	< 10
4/14/2005	< 10	< 10	< 10	< 10	< 10	< 10
7/21/2005	< 5	< 5	< 5	< 5	< 5	< 5
10/4/2005	< 5	< 5	< 5	< 5	< 5	< 5
1/5/2006	< 5	< 5	< 5	< 5	< 5	< 5
4/14/2006	< 5	< 5	< 5	< 5	< 5	< 5
7/10/2006	< 5	< 5	< 5	< 5	< 5	< 5
10/18/2006	< 5	< 5	< 5	< 5	< 5	< 5
1/10/2007	< 5	< 5	< 5	< 5	< 5	< 5
4/16/2007	< 5	< 5	< 5	< 5	< 5	< 5
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/17/2007	0.63	1.4	< 5	< 5	< 5	< 5
1/8/2008	<5	<5	<5	<5	<5	<5
4/3/2008	<5	0.42	<5	<5	<5	<5
7/1/2008	<5	<5	<5	<5	<5	<5
10/1/2008	<5	<5	<5	<5	<5	<5
1/20/2009	<5	<5	<5	<5	<5	<5
4/15/2009	<5	<5	<5	<5	<5	<5
7/21/2009	<5	<5	<5	<5	<5	<5
10/13/2009	<5	<5	<5	<5	<5	<5
1/18/2010	<5	<5	<5	<5	<5	<5
4/7/2010	<5	<5	<5	<5	<5	<5
7/13/2010	<5	<5	<5	<5	<5	<5
10/11/2010	<5	<5	<5	<5	<5	<5
1/12/2011	<1	<1	<1	<1	<1	<1
4/4/2011	<1	<1	<1	<1	<1	<1
7/26/2011	<1	<1	<1	<1	<1	<1
10/3/2011	<1	<1	<1	<1	<1	<1
1/12/2012	<1	<1	<1	<1	<1	<1
4/2/2012	<1	<1	<1	<1	<1	<1
7/5/2012	<1	<1	<1	<1	<1	<1
10/11/2012	<1	<1	<1	<1	<1	<1
1/21/2013	<1	<1	<1	<1	<1	<1
4/1/2013	<1	<1	<1	<1	<1	<1
7/1/2013	<1	<1	<1	<1	<1	<1

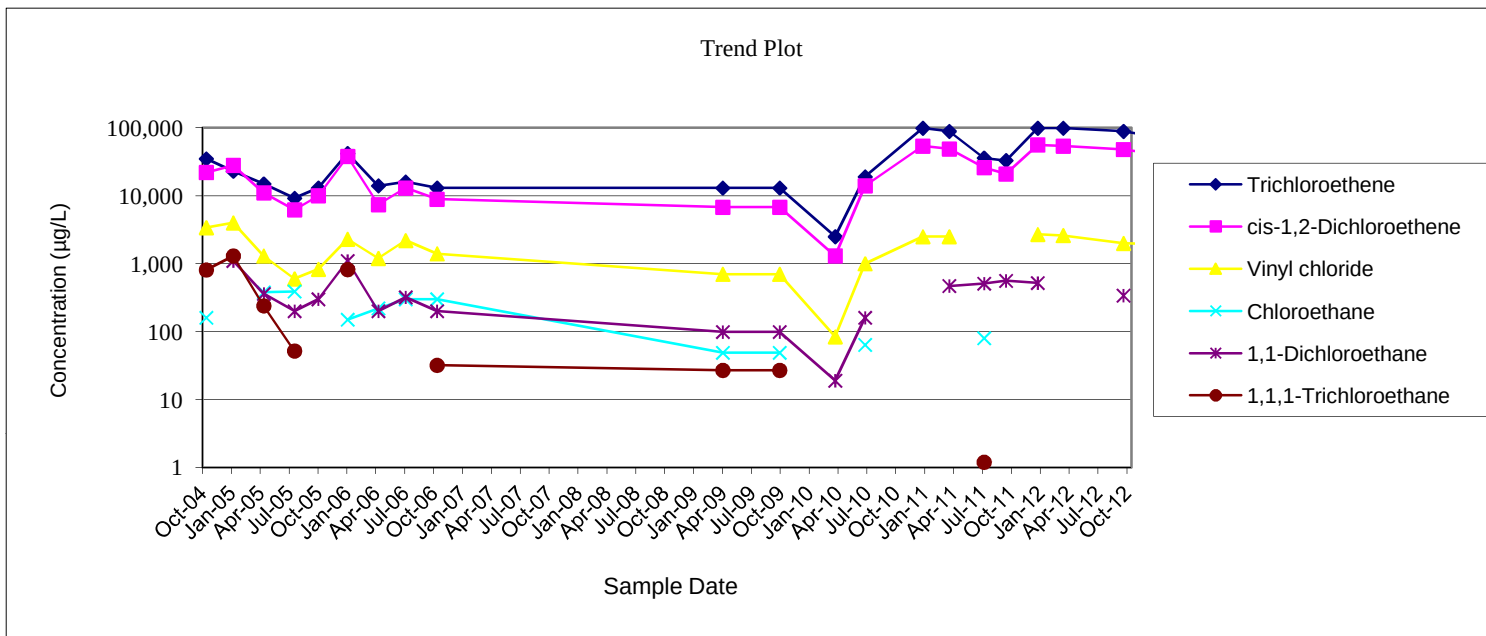
MONITORING WELL MW-6
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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
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

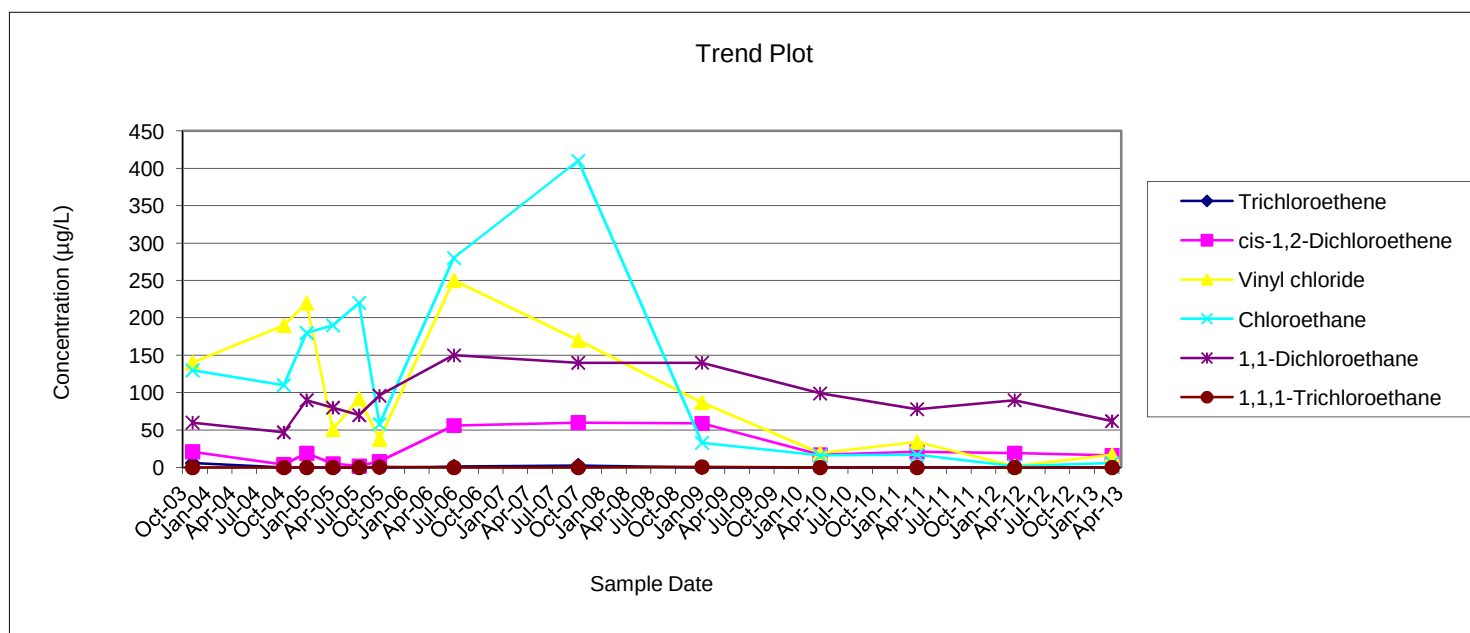
MONITORING WELL MW-8R
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

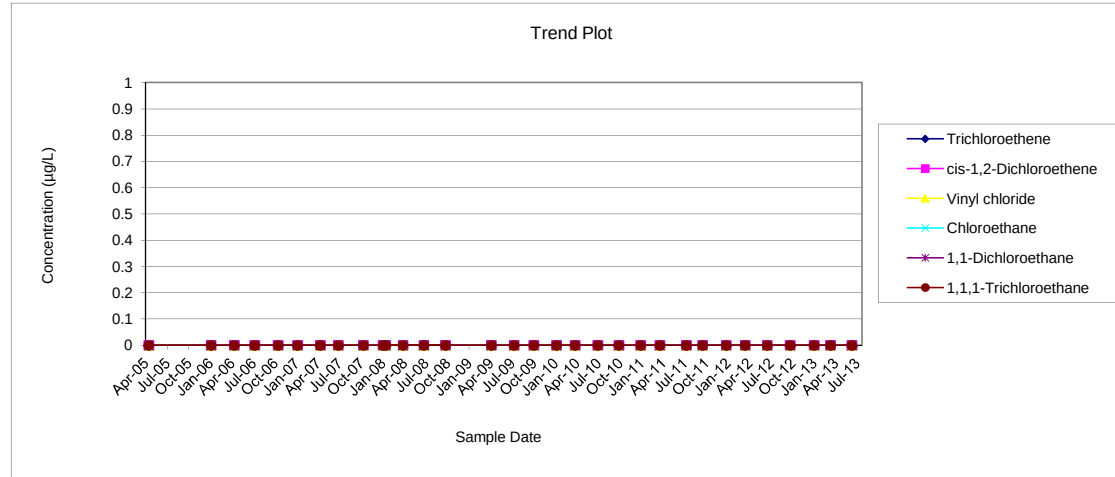
MONITORING WELL MW-9
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 10	< 10	< 10	< 10	<10
1/5/2006	< 5	< 5	< 5	< 5	< 5	< 5
4/14/2006	< 5	< 5	< 5	< 5	< 5	< 5
7/10/2006	< 5	< 5	< 5	< 5	< 5	< 5
10/18/2006	< 5	< 5	< 5	< 5	< 5	< 5
1/9/2007	< 5	< 5	< 5	< 5	< 5	< 5
4/16/2007	< 5	< 5	< 5	< 5	< 5	< 5
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/17/2007	< 5	< 5	< 5	< 5	< 5	< 5
1/9/2008	< 5	< 5	< 5	< 5	< 5	< 5
4/3/2008	< 5	< 5	< 5	< 5	< 5	< 5
7/1/2008	< 5	< 5	< 5	< 5	< 5	< 5
10/1/2008	< 5	< 5	< 5	< 5	< 5	< 5
1/20/2008	< 5	< 5	< 5	< 5	< 5	< 5
4/15/2009	< 5	< 5	< 5	< 5	< 5	< 5
7/21/2009	< 5	< 5	< 5	< 5	< 5	< 5
10/13/2009	< 5	< 5	< 5	< 5	< 5	< 5
1/18/2010	< 5	< 5	< 5	< 5	< 5	< 5
4/7/2010	< 5	< 5	< 5	< 5	< 5	< 5
7/13/2010	< 5	< 5	< 5	< 5	< 5	< 5
10/11/2010	< 5	< 5	< 5	< 5	< 5	< 5
1/12/2011	<1	<1	<1	<1	<1	<1
4/4/2011	<1	<1	<1	<1	<1	<1
7/26/2011	<1	<1	<1	<1	<1	<1
10/3/2011	<1	<1	<1	<1	<1	<1
1/12/2012	<1	<1	<1	<1	<1	<1
4/2/2012	<1	<1	<1	<1	<1	<1
7/5/2012	<1	<1	<1	<1	<1	<1
10/11/2012	<1	<1	<1	<1	<1	<1
1/21/2013	<1	<1	<1	<1	<1	<1
4/1/2013	<1	<1	<1	<1	<1	<1
7/1/2013	<1	<1	<1	<1	<1	<1

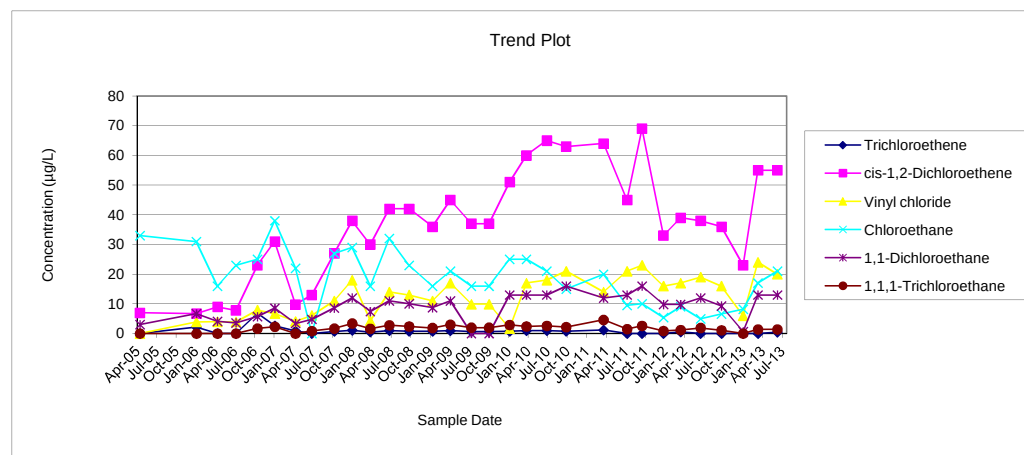
MONITORING WELL MW-10
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

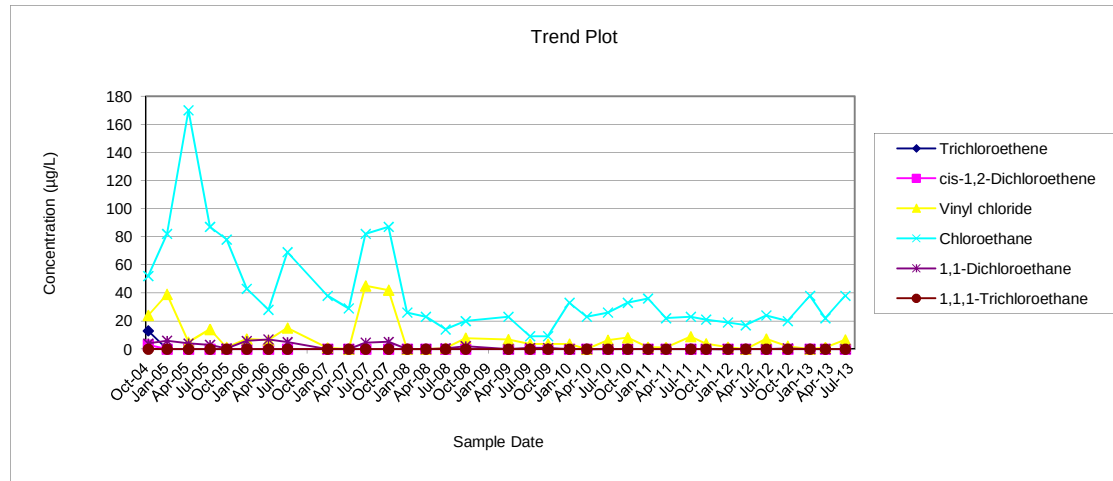
MONITORING WELL MW-11
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

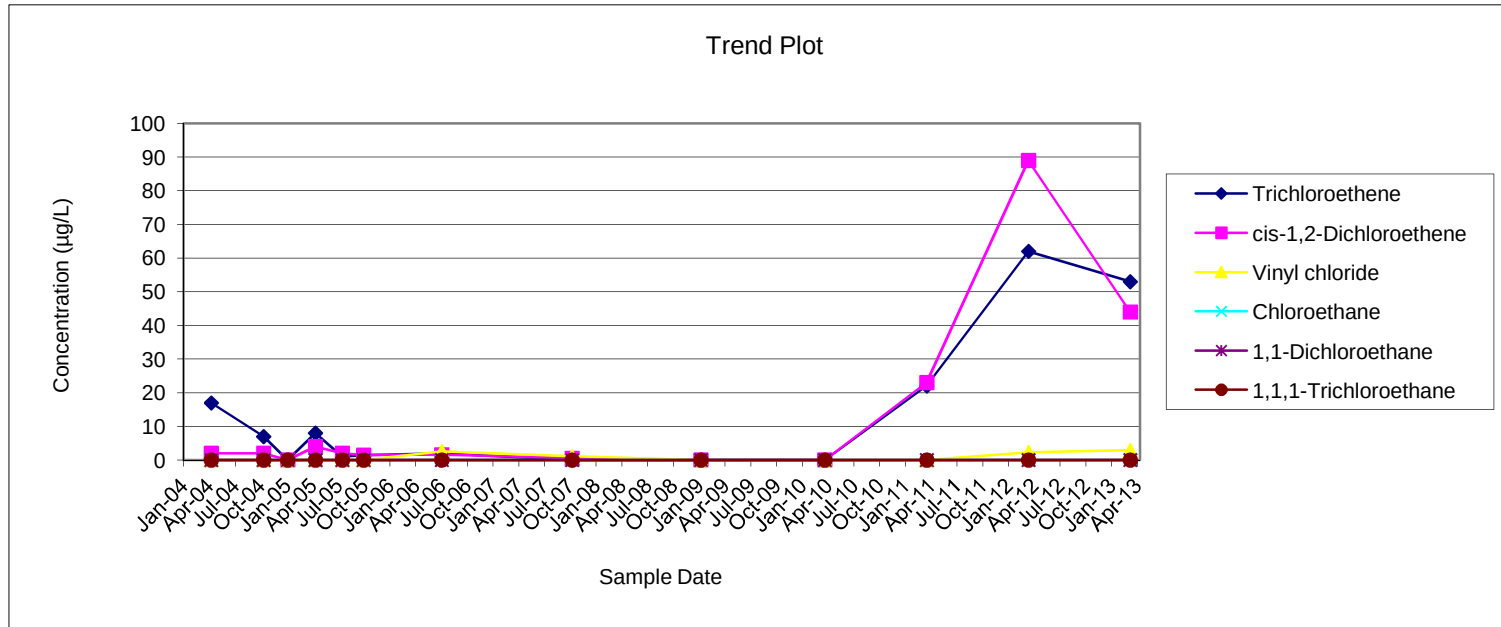
MONITORING WELL MW-12
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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	1,1,1,1-Tetrachloroethane
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

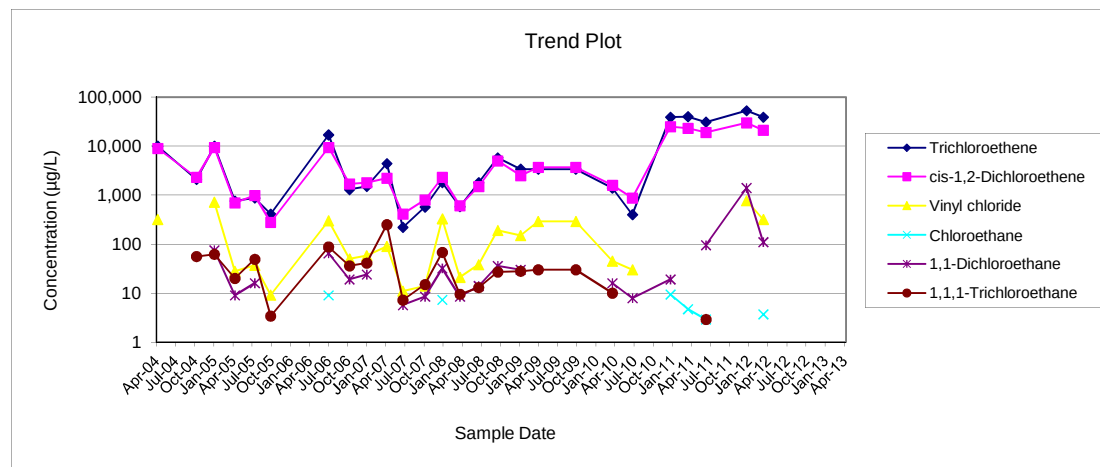
PIEZOMETER MW-13D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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

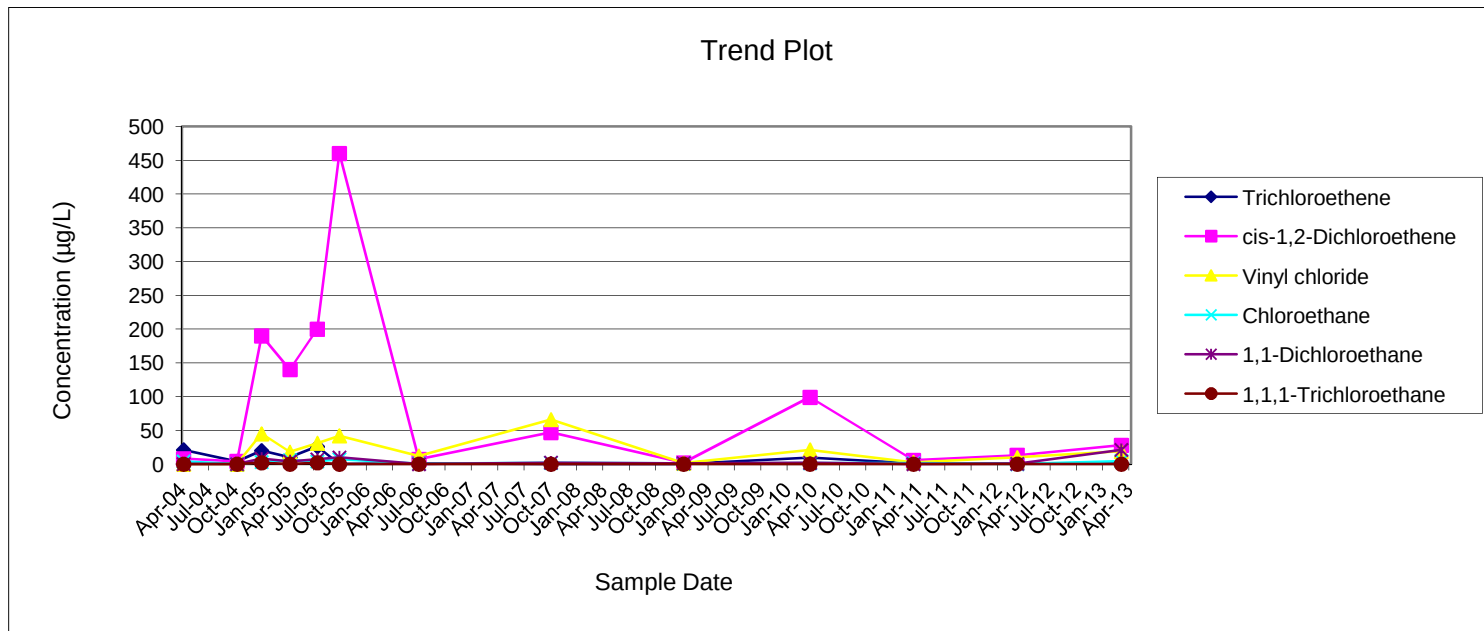
**PIEZOMETER MW-13S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**



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	1,1,1,1-Tetrachloroethane
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

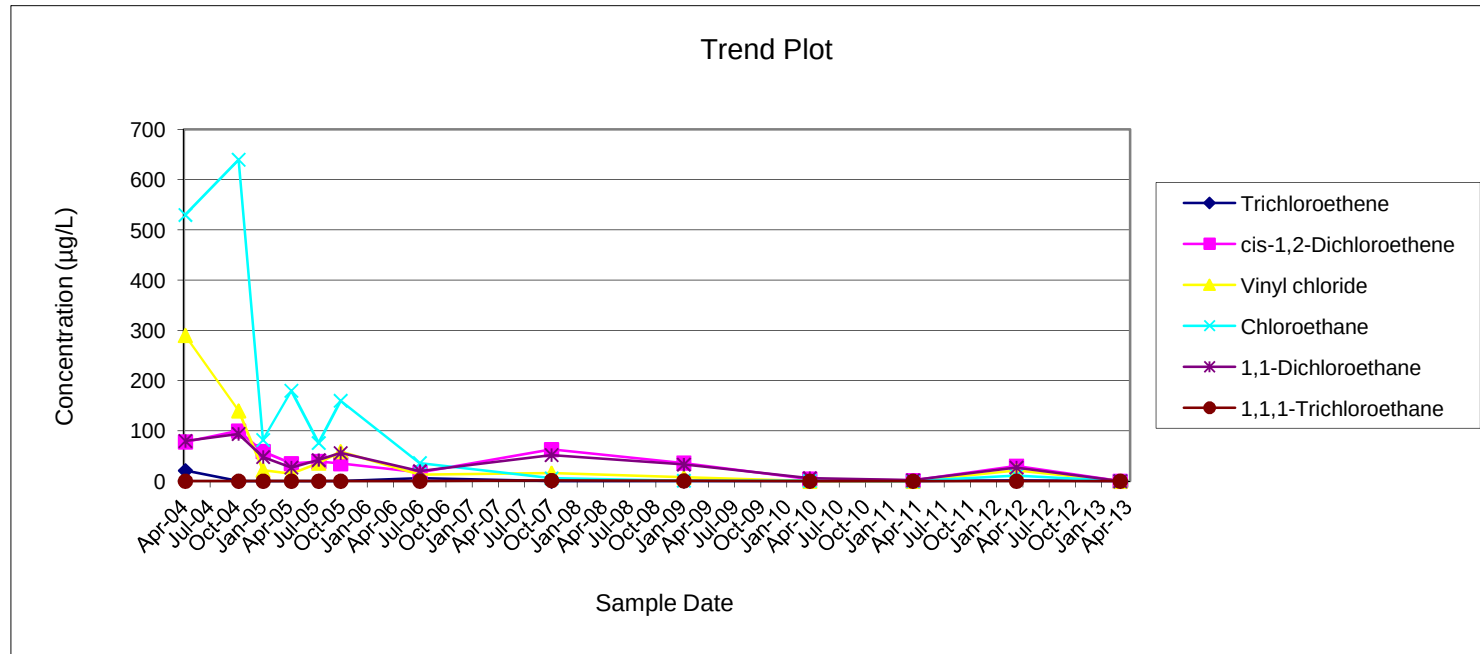
PIEZOMETER MW-14D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1,1-Tetrachloroethane
4/8/2004	21	78	290	530	80	< 20
10/12/2004	< 10	100	140	640	94	< 10
1/6/2005	< 10	59	22	82	48	< 10
4/15/2005	< 10	35	15	180	27	< 10
7/20/2005	< 5	39	36	76	42	< 5
10/5/2005	< 5	35	59	160	56	<5
7/10/2006	5.7	17	13	36	20	< 25
10/15/2007	< 5	63	16	5.7	52	1.3
1/21/2009	0.38	36	7.9	0.87	33	0.63
4/8/2010	< 5	4	< 5	0.62	5.9	<5
4/5/2011	< 1	1.1	<1	<1	1.9	<1
4/2/2012	1.3	30	21	11	27	<1
4/1/2013	<1	<1	<1	<1	<1	<1

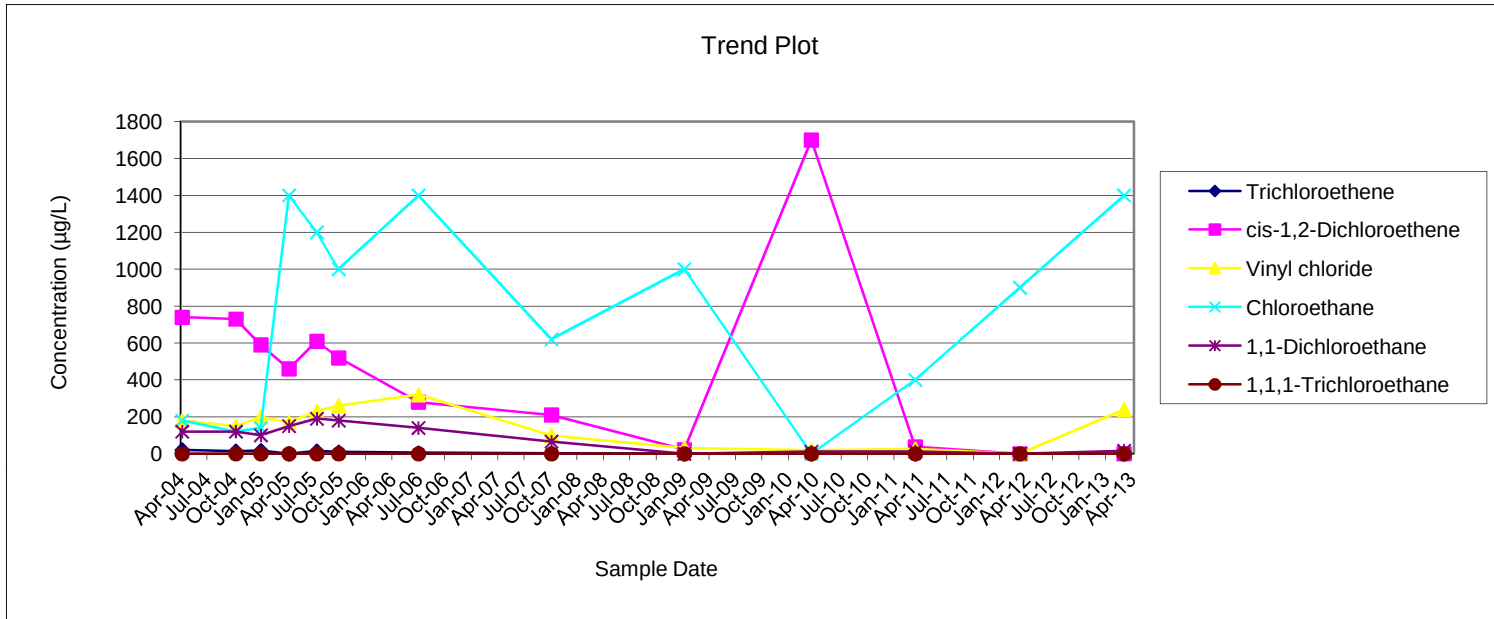
PIEZOMETER MW-14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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	1,1,1,1-Tetrachloroethane
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

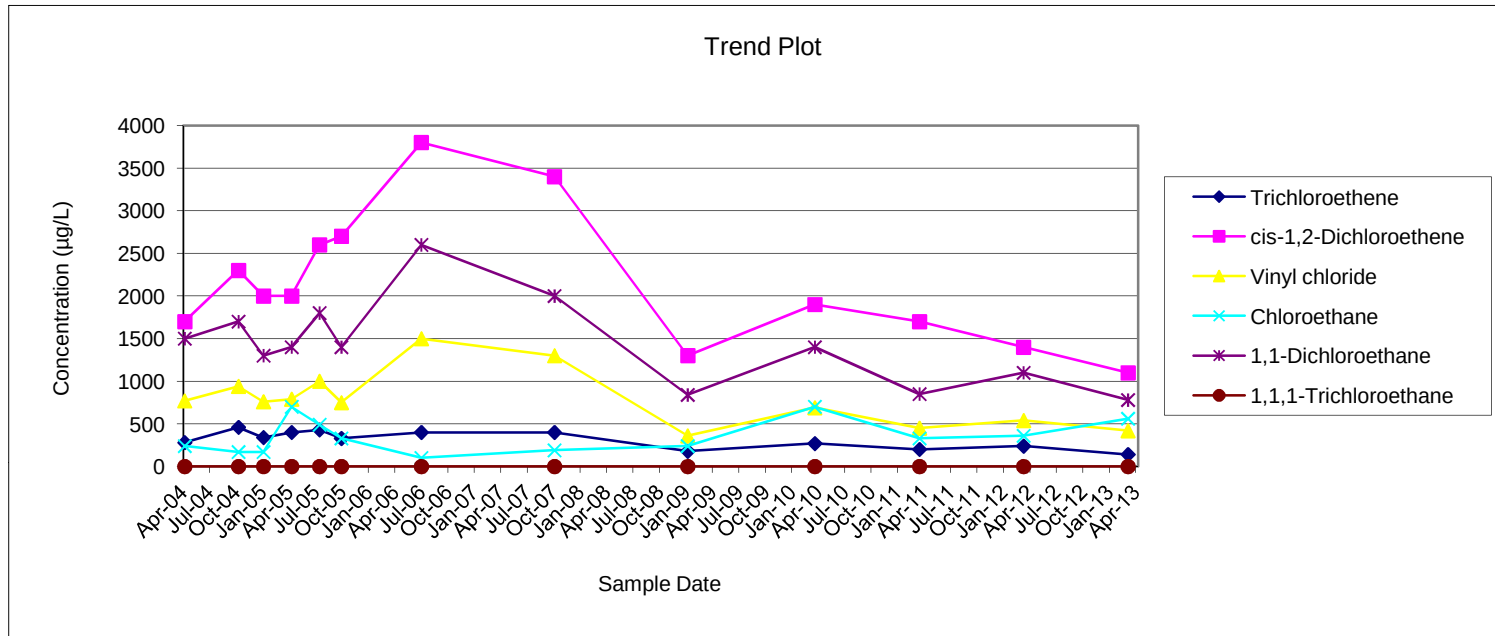
PIEZOMETER MW-15D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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	1,1,1,1-Tetrachloroethane
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

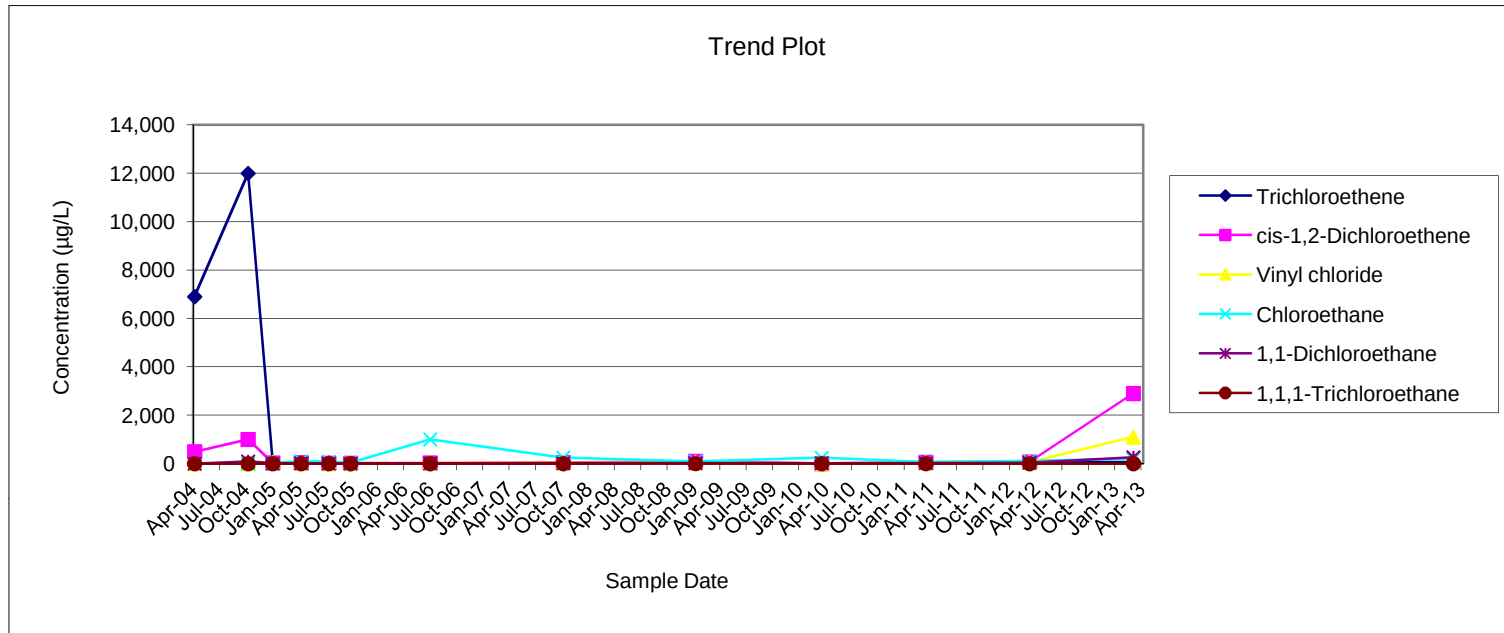
PIEZOMETER MW-15S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



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	1,1,1,1-Tetrachloroethane
4/8/2004	6,900	490	< 500	< 500	< 500	< 500
10/12/2004	12,000	1,000	< 500	< 500	91	< 500
1/6/2005	9	27	39	22	15	< 10
4/15/2005	32	36	17	100	10	< 10
7/21/2005	25	12	4	84	2	< 10
10/5/2005	1.3	16	10	41	5	<5
7/10/2006	6.1	27	21	1,000	9.7	< 5
10/18/2007	6	48	39	250	16	< 20
1/22/2009	52	92	39	90	21	1.9
4/8/2010	12	6.9	3.6	240	8.7	< 10
4/7/2011	22	59	33	59	27	1.2
4/3/2012	42	66	46	110	35	<1
4/1/2013	57	2900	1100	190	260	<1

**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

